

Bid Documents

The Summit County Combined General Health District Fairway Storm and Sanitary Sewer Improvement Project Rebid

1867 West Market Street

Akron, Ohio 44313



September 2019

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LEGAL ADVERTISEMENT

INVITATION TO BID

Sealed bids will be received by the Summit County Combined General Health District, 1867 West Market Street, Akron, Ohio 44313, until 9:00 a.m., October 7, 2019 (The Bid Opening Date”), at which place and time bids will be publicly opened and read for the:

Fairway Storm and Sanitary Sewer Improvement Project Rebid

The estimated cost of the project is \$1,230,802.46.

There will be a mandatory bidders meeting at the site on September 18, 2019. The meeting will begin promptly at 9:00 a.m. in the Board Room at 1867 W. Market St., Akron, Ohio. Bids will not be accepted from companies not represented at this meeting.

The Health District reserves the right to reject any and all bids and any part or parts of any bid. The Health District also reserves the right to waive any informalities in the bid.

Bid documents are available at scph.org/bid or by calling (330) 926-5771.

Summit County Combined General Health District
Donna R. Skoda, Health Commissioner

To be advertised in the Akron Beacon Journal 9/10/2019-9/16/2019

INSTRUCTIONS TO BIDDERS

Sealed bids will be received by the Summit County Combined General Health District (“District”), 1867 W. Market Street, Akron, Ohio 44313 until 9:00 a.m. local time October 7, 2019 for:

The “Fairway Storm and Sanitary Sewer Improvement Project Rebid”.

The envelope containing the bid shall be marked with the name of the Project and shall be opened immediately thereafter and read publicly.

I. BID BOND

Each bid in the amount of twenty-five thousand dollars (\$25,000.00) or more shall be accompanied by a bid bond signed by a surety company authorized to do business in Ohio, or a certified check or cashiers check on a solvent bank, which bond or check shall be in the amount not less than 3% of the amount bid. This bond or check shall be given as security that if the bid is accepted; a contract will be executed in conformity with the bid. Bids less than twenty-five thousand dollars (\$25,000.00) shall require no bid bond.

- A. The bid bond or check of the successful bidder will be returned upon execution of the contract.
- B. Bid bonds or checks of unsuccessful bidders will be returned upon a written request submitted to Summit County Combined General Health District.

II. LICENSES/PERMITS

Bidders shall include in their proposal the cost for all licenses/permits required by the State of Ohio and/or any municipality, township or village that are necessary to perform the contract for this Project and shall obtain all such permits.

III. FORM OF PROPOSAL

The proposal shall be made on the attached blank forms, designated for such purpose, and shall be completely filled out to contain all the required information for the Project, and must be properly signed.

Any costs incurred by the Contractor in preparing, submitting, or presenting a bid response are the sole responsibility of the Contractor. The District shall not be

responsible to reimburse any costs incurred including, but not limited to, travel, lodging, or supplies.

IV. UNACCEPTABLE BIDS

No bid will be accepted from, or contract awarded to any person, firm, or corporation that is in arrears or is in default to the County of Summit upon any debt or contract, or that is in default as surety or otherwise, upon any obligation to the County, or has failed to perform faithfully any previous contract with the County or has been debarred by the County from consideration for contract awards.

V. WITHDRAWAL OF BIDS

No bid will be allowed to be withdrawn after it has been deposited with the District, except as provided by law.

VI. REJECTION OR ACCEPTANCE OF BIDS

The District reserves the right to reject any and all bids, and any part or parts of any bid, and also the right to waive any informality in any bid. The District has a right to hold bids for up to sixty (60) days. In awarding a contract, the District has the right to consider all elements in determining the responsibility of the bidder. Any bid which is incomplete, conditional, obscure, or which contains additions not called for or irregularities of any kind, may be rejected.

VII. BIDDER QUALIFICATIONS

With their proposal, the bidder shall furnish evidence that is satisfactory to the District of:

- A. Adequate experience in work of this type.
- B. Financial ability to perform the work to its completion in accordance with the specifications, and/or supply the required commodity.
- C. Effort and intent to provide equal employment opportunity and minority business enterprise requirements.
- D. Local Preference Ordinance 94-178

Summit County has established a "Local Preference" for construction contracts by Ordinance 94-178, dated February 22, 1994. Local preference is given to contractors that have an established principal place of business in either Summit County or the State of Ohio. This principal place of business must have been established at least two (2) years prior to the bid opening date.

Bidders having established their principal place of business in Summit County may be preferred as lowest if their bid does not exceed by more than 3%, with an upper limit of Ten Thousand Dollars (\$10,000), of the apparent lowest bidder.

Bidders having established their principal place of business in the State of Ohio may be preferred as lowest if their bid does not exceed by more than 2% of the apparent lowest bid.

To qualify for local preference, bidders must state on the bid form their principal place of business and the date of establishment. Each bidder shall have only one principal place of business. Local preference may only be applied in considering the lowest bid and shall not waive or nullify evaluation of which bidders are responsive and responsible. In no event shall any preference granted herein exceed a maximum of 3% or \$10,000.00, whichever is less.

E. Disadvantaged Business Preference—Ordinance 93-67

Summit County has established a “Disadvantaged Business Preference” for construction contracts by Ordinance 93-67, dated February 2, 1993. Disadvantaged Business Preference is given to contractors who have submitted proof of certification as a “disadvantaged business” as provided in Section 177.04 of the Codified Ordinances of County of Summit prior to the advertisement for bids or other announcement for quotes by the County and must actually perform the work or supply the goods or services themselves without the use of subcontractors other than certified disadvantaged businesses. No person, with purpose to obtain a bid preference as a disadvantaged business, shall knowingly misrepresent that he owns, controls, operates or participates in the operation of a disadvantaged business, subject to the penalties specified in Section 177.04(h) of the Codified Ordinances.

Bids from disadvantaged businesses may be preferred as lowest if their bid does not exceed by more than three percent (3%) the apparent lowest bid or ten thousand dollars (\$10,000.00), whichever is less. The disadvantaged business preference shall not apply where prohibited by State or Federal law or regulation.

F. Cumulative Preferences

No bidder shall receive preferences cumulatively exceeding five percent (5%) or fifteen thousand dollars (\$15,000.00), whichever is less.

VIII. TAXES

The District is exempt from all sales, excise, and transportation taxes, except State of Ohio gasoline tax. The unit prices for bid shall exclude all such taxes, and will be so construed.

IX. EXAMINATION OF SPECIFICATIONS, SITE, ETC.

The bidder must examine the specifications, location of the proposed work, if applicable, exercise individual judgement as to the extent of the work to be done, and agree to fully complete the work or deliver equipment or materials in accordance with the specifications for the price bid.

All bidders will be held to have thoroughly acquainted themselves with all conditions pertaining to the work and to have visited the site and to have familiarized themselves with the exact conditions existing.

The contractor is required to carefully read the specifications for all parts of the work so as to become familiar with the work covered under this contract.

There will be a pre-bid meeting at the project site located at 1867 W. Market Street, Akron, OH, on July 22, 2019 at 9:00 a.m. All bidders are required to attend.

X. EEO COMPLIANCE

The successful bidder must furnish documentation complying with State of Ohio and federal laws relating to discrimination and equal employment opportunity as outlined in the specifications on included forms. Questions relating to EEO requirements should be directed to the District's EEO Office, telephone (330) 926-5738.

XI. OTHER REQUIREMENTS FOR SUCCESSFUL BIDDERS

- A. All permits, certificates of inspection, etc., relating to performance of contracts, if any, must be obtained prior to the contract being executed.
- B. Successful bidders must furnish a copy of an unexpired State of Ohio Certificate of Worker's Compensation.
- C. A 100% performance bond based on the bid and/or contract amount must be submitted within ten (10) days after receipt of notification of award.
- D. A "Declaration of Personal Property Tax Delinquency" form must be fully executed and notarized pursuant to Ohio Revised Code Section 5719.042, before an award can be made.
- E. The contractor shall indemnify and save the District harmless from all claims or liabilities of any type or nature to any person, firm, or corporation arising from, resulting from, or attributable to the work done under this agreement by the contractor itself or acting with others.

- F. Successful bidder must furnish the District with a taxpayer identification number. The Internal Revenue Code requires the District to file an information return by January 31st of the following year on all payments made to another person of \$600.00 or more. Section 3406 of the Internal Revenue Code (26 U.S.C. 3406) requires the District to withhold at a rate of thirty-one percent (31%) if a payee fails to furnish a correct taxpayer identification number, and the back-up withholding requirements continues until the requested information is received.

XII. SAFETY REQUIREMENT

The contractor, its employees, agents, representatives, and any other party working on its behalf, shall comply with all applicable terms of the Occupational Safety and Health Act, 29 U.S.C. 651 et seq. and any applicable related regulations, including, but not limited to, those stated in 29 CFR 1910.01-1910.1450, as amended, and 29 CFR 1926.1-1926.1152, as amended, and shall comply with all applicable terms of Ohio Revised Code Chapter 4167, as amended, and any applicable related regulations under the Ohio Administrative Code, as amended. This compliance shall include, but shall not be limited to, at a minimum, providing all employees working on the project with the necessary training before the work is performed, and providing all safeguards, safety devices, and protective equipment. The contractor further shall take any and all other actions reasonably necessary to protect the life and health of employees of the contractor and of the District and to protect property in connection with the performance of the work under this agreement.

XIII. INSURANCE

The Contractor must provide insurance covering the working period in the amounts according to the contract documents.

The Contractor shall furnish the District with proof of insurance.

XIV. STATE OF OHIO PREVAILING WAGE RATES

All wages paid to employees on the work site shall be paid at the prevailing wage rate of wages for the class of work called for under this agreement. The prevailing wage rate for such wages shall be determined in accordance with Ohio Revised Code Chapter 4115, except for any employees who are covered by a collective bargaining agreement in existence prior to the date of this contract, who shall be paid the rate of pay provided for under such an agreement. The contractor agrees to provide the District with full and complete documentation of payment records.

The contractor agrees to provide the District with a contact person, a telephone number, a mailing address and if available, an electronic mail address for purposes of giving notice to the contractor of any changes in prevailing wage rates. Where an electronic mail address is given, the contractor agrees that the use of that method by the District satisfies

any notice requirements of any change in prevailing wage rates that it may have under Ohio Revised Code Chapter 4115.

The contractor further agrees that upon receipt of notice from the District of any changes in prevailing wage rates to immediately inform all subcontractors with whom it has contracted of such changes. The contractor agrees to defend and indemnify the District, its Board, agents and employees, against all claims, actions, demands, judgments, settlements, damages, liabilities, losses, and costs of any kind, including, but not limited to, reasonable fees of attorneys and experts, arising from or related to the contractor's failure to inform its subcontractors of changes in prevailing wage rates upon notice from the District of such changes.

FORM OF PROPOSAL

(Submit in triplicate)

The wording of the proposal shall be retained throughout, without change, alterations, or additions. Any changes in the wording may cause the proposal to be rejected.

To: Summit County Combined General Health District
Attn: Eddie Mink, Facilities Supervisor
1867 W. Market Street
Akron, Ohio 44313

Having read the specifications and examined the work required for the project entitled:

Fairway Storm and Sanitary Sewer Improvement Project Rebid

And also having received and taken into account addenda numbers:

And likewise having inspected the site and the conditions affecting and governing the work of said project, the undersigned hereby proposes to furnish all material and to perform all labor as specified and described in said specification for the said work, for the following sum:

_____ Dollars \$ _____

Time is of the essence in execution of the Work, and as part of this proposal, the undersigned agrees, if awarded this work, all of the work for Phase I must be completed by December 15, 2019. All of the work for Phase II must be completed by May 31, 2020. Liquidated damages in the amount of \$500.00 per day will be credited for each day that the project is not completed beyond each phase deadline.

Accompanying this proposal is _____ (certified check, bank draft, security bond) in the amount of _____, which is to be forfeited to Summit County Combined General Health District, Akron, Ohio, if the undersigned fails to execute the contract in conformity with "the terms of contract" and furnish bond as specified within (10) days after notification of award of contract to the undersigned. I (we) agree to complete all work in connection with this bid in accordance with the number of days noted above.

In submitting this bid, it is understood that the right is reserved by the District to reject any and all bids. It is also agreed that this bid may not be withdrawn for a period of sixty (60) days from the opening thereof. Any contract formed as a result of the bidding process is subject to the Board of Health's final approval.

Insert below the bidder's name. If a corporation, give the State of incorporation using the phrase, "A corporation organized under the laws of:". If a partnership, give name of partner using the

phrase, “Copartners trading and doing business under the firm name and style of;”. If an individual using a trade name, give individual name using the phrase, “An individual doing business under the name and style of”.

NAME OF FIRM_____

NAME OF CORPORATION_____

NAME OF PRESIDENT_____

CORPORATION IS ORGANIZED UNDER THE LAWS OF _____

SIGNATURE_____

BY_____

PRINCIPAL PLACE OF BUSINESS ADDRESS_____

DATE OF ESTABLISHMENT OF PLACE OF BUSINESS_____

FEDERAL TAX I.D. NUMBER_____

TELEPHONE NUMBER_____

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE CERTIFICATE

As used in this certificate, the term "contract" includes the term "Purchase Order" and all other agreements effecting purchase of supplies or services. If this certificate is submitted as part of a bid or proposal, the term "seller" shall to refer to the Bidder, Offeror, Subcontractor or Supplier. This certificate shall be renewed annually. Notwithstanding the foregoing, the certifications made herein shall remain applicable until completion of all nonexempt contracts/subcontracts awarded while this certificate is in effect. The undersigned Seller certifies the following to Summit County Combined General Health District hereinafter referred to as Buyer:

A. REPORTS Within thirty (30) days after any contract subcontract awards and prior to each March 31 thereafter during the performance of work under that contract, the Seller shall file Standard Form 100, entitled "Equal Employment Opportunity Employer Information Report EEO-1" unless Seller has either filed a report within 12 months preceding the date of the award or is not otherwise required by law or regulation to file.

B. PRIOR REPORTS: If seller has participated in a previous contract or subcontract subject to the Equal Opportunity Clause 41 C.F.R. Sec. 60-1.4 (a) (1) through (7), the clause originally contained in section 301 or Executive Order No. 10925, or the clause contained in section 201 of the Executive Order No. 11114, seller certifies it has filed all required compliance reports. Seller shall obtain similar signed representations indicating filing of all required compliance reports, signed from all proposed subcontractors prior to awarding subcontracts not exempt from the Equal Opportunity clause.

C. CERTIFICATION OF NONSEGREGATED FACILITIES: Seller certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. Contractor certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments and that it will not permit its employees to perform services at any location under its control where segregated facilities are maintained. Seller agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this certificate. As used in this certification, the term "segregated facilities" means any waiting rooms, rest rooms, and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or natural origin, because of habit, local customs or otherwise. Contractor further agrees that except where it has obtained identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000.00 which are not exempt from the provisions of the Equal Opportunity Clause; that it will retain such certifications in its files; and that it will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods): NOTICE TO PROSPECTIVE SUBCONTRACTORS OR REQUIREMENT FOR CERTIFICATIONS OF NONSEGREGATED FACILITIES. A Certification of Nonsegregated Facilities, as required by Section 60-1.8 of Title 41 of the Code of Federal Regulations, must be submitted prior to the award of a subcontract exceeding \$10,000.00 which is not exempt from the provisions of the Equal

Opportunity Clause. Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

D. AFFIRMATIVE ACTION COMPLIANCE PROGRAM: Prior to 120 days after receipt of any subcontract in the amount of \$50,000.00 or more, a Seller, with fifty (50) or more employees which is not otherwise exempt under 41 C.F.R., Part 60-1, shall develop for each of its establishments a written affirmative action compliance program as called for in 41 C.F.R., Sect. 60-1.40. Seller will also require its lower-tier subcontractors who have fifty (50) or more employees and receive a subcontract of \$50,000.00 or more and who are not otherwise exempt under C.F.R., Part 60-1 to establish written affirmative action compliance programs in accordance with 41 C.F.R., Section 60-1.40.

E. Bidders are responsible for EEO compliance as provided in Executive Order 11246 and implementing regulations TITLE 41, Chapter 60-4.3 (Equal Opportunity Clause and Notice of Standard Specifications), 60-250, and 60-741 when applicable.

F. Seller certifies that it is not currently in receipt of any outstanding letters of deficiencies, show cause, probable cause or other such notifications or noncompliance with EEO regulations.

Executed this _____ day of _____, 20_____ by:

Firm: _____

By: _____ Title: _____

Project: _____

NON-COLLUSION AFFIDAVIT

THIS AFFIDAVIT IS TO BE FILLED OUT AND EXECUTED BY THE BIDDER: IF THE BID IS MADE BY A CORPORATION, THEN BY ITS PROPERLY AUTHORIZED AGENT.

State of Ohio)
) ss
County of Summit)

(Name of Bidder or Bidders)

BEING DULY SWORN, DEPOSE AND SAY THAT _____

reside at _____
(Give residence of each bidder)

and that _____
(Give names of persons, firms, or corp. interested in the bid)

are the only person(s) interested with (him) (them) in the profits of the herein contained Contract; that the said Contract is on (his) (their) part, in all respects fair, said without collusion or fraud, and also that no head of any department or Bureau, or employee therein, or any officer of the District is directly or indirectly interested therein.

	_____ Signature	_____ Date
State of Ohio)		
) ss		
County of Summit)		

Before me, a Notary Public, in and for said County and State, personally appeared the above named, who acknowledged the making and signing of the foregoing instrument to be his own free act and deed. In testimony thereof, I have herunto set my hand and official seal this _____ day of _____, 20____.

Notary Public

My Commission Expires _____, 20_____.

NOTICE

Attached is a declaration of Personal Property Tax Delinquency form, which is required by ORC 5719.042 for every competitive bid contract awarded by the County.

When an award is made after a competitive bid, the successful bidder must attach the fully executed statement to his contract documents, i.e., contract or purchase order, as applicable. If the declaration shows monies owed, the County Auditor shall forward a copy to the County Treasurer within 30 days of receipt.

Inquiries concerning this matter may be directed to Eddie Mink, Facilities Supervisor, Summit Combined General Health District, 1867 W. Market Street, Akron, OH 44313, 330-926-5771.

DECLARATION OF PERSONAL PROPERTY TAX DELINQUENCY

OHIO REVISED CODE 5719.042

I, _____ hereby affirm that

_____, Bidder herein IS/ISNOT

(as applicable) charged at the time of submitting this bid with any delinquent personal property taxes on the general tax list of personal property of the County of Summit.

The amount of such due and unpaid delinquent tax and any due and unpaid penalties and interest is \$_____.

Signature

Title

STATE OF OHIO

COUNTY OF SUMMIT, ss.

Before me, a Notary Public, in and for said County, personally appeared _____, authorized signatory for _____, and acknowledges that he has signed the foregoing instrument and that the same is his free act and deed.

IN TESTIMONY WHEREOF, I have affixed by hand and seal of my office at _____, Ohio, this _____ day of _____, 20____.

Notary Public

RESOURCES AND EXPERIENCE OF BIDDER

The Bidder is required to state, in detail, in the space provided below, what work of a character similar to that included in the proposed Contract it has done, or give reference and such other detailed information as will enable the District to judge the Bidder's responsibility, experience, skill and financial standing. Among other things, this statement shall include the following: Evidence to the effect that the Bidder maintains a permanent place of business; list of plant equipment available for the work under the proposed Contract, together with the statements as to when purchased or otherwise obtained and statements as to its present physical condition; evidence to the effect that the Bidder has suitable financial status to meet obligations incident to work, and evidence to the effect that the Bidder has appropriate technical experience.

(Attach additional sheets as may be necessary)

1. Bidder's Name: _____

2. Bidder's Address: _____

3. History of Firm: _____

4. Previous Jobs Completed: _____

5. Manpower and Equipment Available to Perform Work: _____

6. Evidence of Financial Status: _____

BID GUARANTY & CONTRACT BOND
(SECTION 153.571 Ohio Revised Code)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____

(Insert full name and address or legal title of Contractor)

as Principal and _____
(Insert full name or legal title of Surety)

as Surety, are hereby held and firmly bound unto the **Summit County Combined General Health District** as Obligee, in the penal sum of the dollar amount of the bid submitted by the Principal to the Obligee on _____ (date) to undertake the project known as:

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Obligee, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee. In no case shall the penal sum exceed the amount of:

Dollars (\$_____))
(if the foregoing blank is not filled in, the penal sum will be the full amount of the Principal's bid including Alternates. Alternately, if the blank is filled in, the amount stated must not be less than the full amount of the bid including Alternates in dollars and cents. A percentage is not acceptable.)

For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH that, whereas the above named Bidder has submitted a Bid on the above referenced project;

NOW, THEREFORE, if the Obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the Bid, plans, details specifications, and bills of material; and in the event the Principal pays to the Obligee the difference not to exceed three percent of the penalty hereof between the amount specified in the Bid and such larger amount for which the Obligee may in good faith contract with the next lowest bidder to perform the work covered by the Bid; or in the event the Obligee does not award the Contract to the next lowest bidder and resubmits the Project for bidding, the Principal pays to the Obligee the difference not to exceed three percent of the penalty hereof between the amount specified in the Bid, or the costs in connection with the resubmission of printing new Contract Documents, required advertising and

printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the Obligee accepts the bid of the Principal and the Principal within ten days after the awarding of the Contract enters into a proper Contract in accordance with the Bid, plans, details, specifications, and bills of materials which said Contract is made a part of this bond the same as though set forth herein; and

IF THE SAID Principal shall well and faithfully perform each and every condition of such contract; and indemnify the Obligee against all damage suffered by failure to perform such contract according to the provision thereof and in accordance with the plans, details, specifications, and bills of materials therefore; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said Contract; we agreeing and assenting that his undertaking shall be for the benefit of any materialmen or laborer having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety of any and all claims hereunder shall in no event exceed the penal amount of this obligation as stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to terms of said Contract or to the plans or specifications therefore shall in any way affect the obligations of said Surety on this bond.

SIGNED AND SEALED this _____ day of _____ 20_____.

BIDDER _____

By: _____

Title: _____

SURETY: _____

Street

City State Zip

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATE

_____ (Name of Bidder) understands that, if it is found to be the best suitable bidder hereby agrees that in the hiring of employees for the performance of work under this contract or any sub-contract hereunder, no contractor or sub-contractor or any person acting on behalf of such contractor shall by reason of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color, discriminate against any citizen of the State of Ohio in the employment of labor or workers who qualify and who are available to perform the work to which this contract relates.

_____ (Name of Bidder) further agrees that no contractor, subcontractor or any person acting in his behalf shall in any manner discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, creed sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color.

OFFICIAL SIGNATURE

DATE

This certification becomes part of the resultant contract.

LIST OF SUBCONTRACTORS

List subcontractors that you will be using on this project. Subcontractors cannot be changed without approval by the Summit County Combined General Health District.

<u>TRADE</u>	<u>FIRM</u>	<u>LOCATION</u>
Sitework	_____	_____
Concrete	_____	_____
Masonry	_____	_____
Steel	_____	_____
Carpentry	_____	_____
Flooring	_____	_____
Plumbing	_____	_____
Electrical	_____	_____
Other	_____	_____

Please list all trades being used. If a trade is not used for this specific project, leave that line blank

**GENERAL CONDITIONS TO THE
AGREEMENT BETWEEN THE SUMMIT COUNTY COMBINED GENERAL HEALTH
DISTRICT
AND THE CONTRACTOR
WHEN A DESIGN PROFESSIONAL IS INVOLVED IN THE PROJECT**

ARTICLE 1 CONTRACT DOCUMENTS

1.1 DEFINITIONS

1.1.1. The Contract Documents comprise the entire Contract between the Owner and the Contractor, and consist of:

1.1.1.1 The Agreement and these General Conditions, which record the facts of the contractual relationship that the Owner and Contractor have agreed upon and includes any documents or exhibits incorporated by the Agreement or by these General Conditions.

1.1.1.2 The Construction Documents, which the Design Professional has prepared, and which set forth and describe in detail the Work and the materials, workmanship, and equipment required for the Project. The Construction Documents include:

1.1.1.2.1 Project Manual and Specifications, which stipulate and describe the administrative procedures to be followed; specify the character and quality of materials and items of equipment; the method of their application or installation; and coordinate their location in the Project with the Drawings. The Project Manual includes the following non-technical Provisions: (a) bidding requirements, including the Instruction to Bidders; (b) various contract forms; and (c) these General Conditions. The Specifications include the technical provisions, which include all stipulations pertaining to furnishing and installing materials and equipment as required for completion of the Project. The Specifications are separated into sections, each covering the work of only one basic trade; but the Owner does not guarantee the accuracy of such separation by trades.

1.1.1.2.2 Drawings, which indicate in graphic form the scope, location and arrangement of materials and equipment.

1.1.1.2.3 Addenda, which record modifications to or interpretations of the Construction Documents by additions, deletions, clarifications, or corrections prior to the signing of Agreement for the construction of the Project by the Owner and the Contractor.

- 1.1.1.2.4 Modifications, which may be accomplished after execution of the Agreement, and without invalidating the Agreement. Modifications include change orders, construction change directives, and authorizations for a minor change in the Work.
- 1.1.2 The Owner is the Summit County Combined General Health District, and its designated representatives, successors, and assigns.
- 1.1.3 The Contractor is the entity identified as such in the Agreement and its authorized representatives, its Owner-approved Subcontractors, and any of its successors or assigns.
- 1.1.4 The Design Professional is the entity identified as such in the Agreement and its authorized representatives, its Owner-approved consultants, any of its successors or assigns, or another firm or person that the Owner designates to act in the same capacity.
- 1.1.5 A Subcontractor is an entity that has a direct contract with the Contractor to perform or provide a portion of the Work and its authorized representatives, successors, and assigns. The term “Subcontractor” includes material and equipment suppliers and manufacturers and subcontractors to a Subcontractor (regardless of tier), but does not include a Separate Contractor or a subcontractor of a Separate Contractor.
- 1.1.6 A Separate Contractor is an entity with whom the Owner has contracted to perform work on the Project other than the Work that the Contractor has agreed to perform. The term “Separate Contractor” includes subcontractors of Separate Contractors.
- 1.1.7 The Contract Sum is the amount stated as such in the Agreement and, including authorized adjustments thereto, is the total amount payable by the Owner to the Contractor for the performance of the Work.
- 1.1.8 The Contract Time is the period of time stated as such in the Agreement and, including authorized adjustments thereto, is the total period of time allotted for the Contractor’s completion of the Work.
- 1.1.9 The Work is the construction and services required by the Contract Documents, whether completed or partially completed, and includes all labor, material, equipment, transportation, supervision, and services necessary to prosecute and complete it in all respects and in a timely manner. The Work may constitute the whole or a part of the Project.
- 1.1.10 The Project is identified in the Contract Documents and is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner or by Separate Contractors.

- 1.1.11 The Site is identified in the Contract Documents and includes all of the premises upon which the Project is located.
- 1.1.12 The term “others” refers to parties other than the Contractor or its Subcontractors.
- 1.1.13 The term “provide” means the furnishing of all labor, materials, equipment, transportation, and services required.

1.2 EXECUTION, CORRELATION, AND INTENT OF DOCUMENTS

- 1.2.1 The Owner and the Contractor must sign the Contract Documents. If the Owner or the Contractor or both fail to sign the Contract Documents, the Design Professional will identify the Contract Documents.
- 1.2.2 By executing the Agreement, the Contractor represents and affirms that it has (a) examined the Contract Documents thoroughly, (b) visited the Site to become familiar with the local conditions that may in any manner affect cost, progress, or performance of the Work, (c) become familiar with federal, state, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the Work, and (d) studied and carefully correlated its observations with the Contract Documents.
- 1.2.3 The Contract Documents are complementary and what is called for by any one is as binding as if called for by all.
- 1.2.4 If any portion of the Contract Documents conflicts with any other portion, the various documents comprising the Contract Documents govern in the following order of precedence: the Agreement and any Modifications; the General Conditions; the Specifications; the Instructions to Bidders; the Drawings. The priority of an Addendum is determined by the priority given to the Contract Document it modifies. Addenda of a more recent date take precedence over earlier Addenda regarding the same subject matter. As between figures given on the Drawings and measurements scaled from the Drawings, the figures govern. As between detailed Drawings and general Drawings, the detailed drawings govern. As between noted materials and graphic indications of materials, the noted materials govern.
- 1.2.5 Should the Contract Documents disagree as to quality or quantity of Work required, the Contractor must provide the better quality or greater quantity unless the Owner gives a written instruction otherwise.
- 1.2.6 Where Drawings show only a portion of the Work in full detail and the remainder only in outline, the Contractor must execute the portions in outline as required for like portions shown in full detail. Where ornament or other detail is shown by starting only, the Contractor must continue such detail throughout the parts in which it is shown and throughout all other similar parts of the Work unless the Owner gives written instructions otherwise. Where items are shown in

diagrammatic/schematic drawings, the Contractor must verify location with the Design Professional before installation.

- 1.2.7 References to known standards, specifications, manuals, or codes of any technical society, organization, or association, or to the laws or regulations of any governmental authority are to the latest edition in effect thirty (30) days prior to the date of the Construction Documents.
- 1.2.8 The Design Professional will issue written clarifications and interpretations of the requirements of the Contract Documents as the Owner or the Design Professional may deem necessary. Such clarifications and interpretations will be consistent with or reasonably inferable from the overall intent of the Contract Documents.
- 1.2.9 The intent of the Contract Documents is to include all labor, materials, equipment, transportation and services necessary for the proper execution of the Work, including all minor items to fully complete each branch of the Work, and the coordination with other branches. Whether specified explicitly or not, the Contractor must provide all Work that may be reasonably inferred from the Contract Documents as being required to produce the intended result. Work described in words, which so applied, have a well-known technical or trade meaning will be held to refer to such recognized definition.
- 1.2.10 It is not intended that Work not covered under any heading, section, branch, class, or trade of the Specifications must be supplied, unless it is shown on Drawings, or is reasonably inferable from the Contract Documents as being necessary to produce the intended results.
- 1.2.11 Nothing contained in the Contract Documents creates any contractual relationship between the Owner or any of its agents, employees, or representatives and any Subcontractor.
- 1.2.12 Nothing contained in the Contract Documents creates any contractual relationship between the Design Professional or any of its agents, employees, or representatives and the Contractor or any Subcontractor.

1.3 OWNERSHIP AND USE OF CONSTRUCTION DOCUMENTS AND MODELS

- 1.3.1 The Contractor does not have any ownership rights or interests whatsoever in any of the Contract Documents.
- 1.3.2 The Contractor and its Subcontractors must not use any of the Contract Documents for any purpose other than the completion of the Work. With the exception of one signed set of Contract Documents, the Contractor must deliver all copies of the Contract Documents to the Design Professional at the completion of the Work or upon the termination of the Agreement.

- 1.3.3 Unless otherwise provided in the Contract Documents, the Owner will furnish to the Contractor, free of charge, all copies of Drawings and Specifications reasonably necessary, as the Design Professional determines, for the execution of the Work. The Owner will furnish additional copies of the Drawings and Specifications at the cost of reproduction.

1.4. COMMUNICATIONS

- 1.4.1 Except as otherwise provided in the Contract Documents or when direct communications have been specifically authorized, the Owner and the Contractor must endeavor to communicate through the Design Professional. Communications by and with the Design Professional's consultants must be through the Design Professional. Communications by and with Subcontractors and sub-subcontractors must be through the Contractor. Communications by and with Separate Contractors must be through the Owner.

ARTICLE 2 THE DESIGN PROFESSIONAL

2.1 SERVICES

- 2.1.1 The Design Professional will administer the Contract as described in the Contract Documents and will advise and consult with the Owner in connection with the administration of the Contract. The Design Professional has authority to act on behalf of the Owner only to the extent provided in the Contract Documents, unless otherwise modified in writing.
- 2.1.2 The Design Professional is not responsible for the Contractor's means, methods, techniques, sequences or procedures of construction or the safety precautions and programs incident to the Work.
- 2.1.3 The Design Professional will visit the Site at intervals appropriate to the stage of construction to become familiar with and keep the Owner informed about the progress and quality of the portion of Work being performed and to determine if the Work is proceeding in accordance with all of the requirements of the Contract Documents and all applicable laws, statutes, ordinances, codes, rules, regulations, orders, and decrees. The Design Professional, however, will not make exhaustive or continuous on-site observations to check the quality or quantity of the Work. On the basis of such on-site observations as a Design Professional, the Design Professional will use its best efforts to guard the Owner against defects and deficiencies in the Work of the Contractors.
- 2.1.4 The Design Professional will furnish with reasonable promptness additional instructions, by means of drawings or otherwise, necessary for the proper execution of the Work. All such drawings and instructions will be consistent with the Contract Documents. The Contractor must execute the Work in conformity with any

additional instruction furnished by the Design Professional. The Contractor must not perform any Work without proper drawings and instructions. In giving such additional instructions, the Design Professional will have the authority to make minor changes in the work that do not involve extra cost and are consistent with the purpose of the Project.

- 2.1.5 The Design Professional will review with reasonable promptness shop drawings, submittals, and samples, but the Design Professional's review will be for the purpose of determining whether or not the Work, when completed, will comply with requirements of the Contract Documents. The review will not, however, extend to means, methods, techniques, sequences or procedures of construction or to safety precautions or programs.
- 2.1.6 Should errors, omissions or conflicts in the Contract Documents prepared by the Design Professional be discovered, the Design Professional will prepare clarification amendments or supplementary documents and provide consultation as may be required to correct or clarify the Contract Documents.
- 2.1.7 The Design Professional will prepare and promptly submit to the Owner written reports of the Contractor's Work that is not in conformance with the Contract Documents. The Design Professional will transmit copies of such reports to the Contractor.
- 2.1.8 The Design Professional, in consultation with the Owner, will issue the Certificate of Substantial Completion and the Certificate of Final Completion.
- 2.1.9 The Design Professional may provide assistance in the initial operation of any equipment or system such as start-up, testing, adjusting, and balancing.
- 2.1.10 Except as provided in paragraph 10.4.1 the Design Professional is not authorized to revoke, alter, enlarge, relax, or release any requirements of the Contract Documents or approve or accept any portion of the Work not performed in accordance with the Contract Documents or issue instructions contrary to the Contract Documents.
- 2.1.11 The Design Professional has authority on behalf of the Owner to disapprove or reject Work where, in the opinion of the Design Professional, the Work is defective. Whenever, in the opinion of the Design Professional, it is considered necessary or advisable for the proper implementation of the intent of the Contract Documents, the Design Professional, with the consent of the Owner, is authorized to require special inspection or testing of any Work, regardless of whether the Work is already fabricated, installed or completed.
- 2.1.12 The Owner or Design Professional may require special inspection or testing of the Work in accordance with the Contract Documents regardless of whether such Work is already fabricated, installed or completed. Neither the Owner's or Design Professional's authority to act under paragraphs 2.1.11 and 2.1.12, nor any decisions

to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Owner or Design Professional to the Contractor, any Subcontractor, any of their agents or employees or any other person performing any of the Work.

- 2.1.13 The Design Professional will regularly call, schedule, and conduct job meetings which the Owner, Contractor, and Subcontractors must attend to discuss such matters as procedures, progress, problems and scheduling. In addition to any regularly scheduled job meetings, the Design Professional is authorized to call, schedule, and conduct such job meetings as the Design Professional deems appropriate or as the Owner directs.
- 2.1.14 The Design Professional will establish and follow procedures for processing, tracking, and maintaining shop drawings, submittals, catalogs, Project reports, test reports, maintenance manuals, changes, applications for payment, and other documents. All such documents will be forwarded to the Owner upon completion of the Project.
- 2.1.15 The Design Professional will review all requests for changes and will process all Modifications.
- 2.1.16 The Design Professional will review and process all Applications for Payment and upon review will forward such applications to Owner.
- 2.1.17 In the case of the termination of the employment of the Design Professional, the Owner may appoint a design professional whose status under the Contract Documents will be that of the former Design Professional.

ARTICLE 3 THE OWNER

3.1 THE OWNER

- 3.1.1 The Owner is not responsible for and does not have control or charge of the construction means, methods, techniques, sequences or procedures or of safety precautions and programs in connection with the Work and is not responsible for the Contractor's failure to carry out the Work in accordance with the requirements of the Contract Documents. The Owner is not responsible for the acts or omissions of the Contractor, any other contractor, any Subcontractor of the Contractor or other contractors, any of their suppliers, agents, or employees, or any other persons performing any work on the Project.
- 3.1.2 The Owner is not responsible for the failure of the Contractor to plan, schedule, or perform the Work in accordance with the Contractor's Construction Schedule, or the failure of the Contractor to cooperate with Separate Contractors to meet scheduled

completion dates, or the failure of the Contractor to schedule and coordinate the work of Subcontractors.

- 3.1.3 The Owner will provide engineering surveys to establish reference points for construction if, in the Design Professional's judgment, the surveys are necessary to enable the Contractor to proceed with the Work. The Contractor must lay out the Work, and must protect and preserve the established reference points and make no changes or relocations of those reference points without the Owner's prior written approval. The Contractor must report to the Design Professional and the Owner whenever any reference point is lost or destroyed. The Contractor must cause professionally qualified personnel to accurately replace or relocate any lost or destroyed reference point.
- 3.1.4 The Owner will furnish, as indicated in the Contract Documents, the lands upon which the Work is to be performed. Rights-of-way and easements for access to the Site and easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the Owner. The Contractor must provide at its expense all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.
- 3.1.5 The Design Professional will furnish with reasonable promptness additional instructions, by means of drawings or otherwise, necessary for the proper execution of the Work. All such drawings and instructions will be consistent with the Contract Documents. The Contractor must execute the Work in conformity with any additional instruction furnished by the Design Professional. The Contractor must not perform any Work without proper drawings and instructions.
- 3.1.6 Within a reasonable time after its receipt of a written request from the Contractor, the Owner will furnish to the Contractor information or services under the Owner's control that are reasonably necessary for the Contractor's completion of the Work. To the extent that the Contractor is not negligent, the Contractor is entitled to rely upon the accuracy and completeness of the information and services provided by the Owner.
- 3.1.7 Pursuant to Ohio Revised Code Sections 1311.25 *et seq.*, the Owner will prepare a Notice of Commencement and make it available to the public upon request.

3.2 OWNER'S RIGHT TO STOP OR SUSPEND THE WORK

- 3.2.1 If the Work is defective or if the Contractor fails to supply sufficient skilled workers, suitable materials or equipment or if the Contractor fails to furnish or perform the Work in such a way that the completed Work will conform to the requirements of the Contract Documents, the Owner may order the Contractor to stop the Work or any portion thereof until the Contractor has eliminated the cause for such order. This right of the Owner to stop the Work does not give rise to any duty to exercise

this right for the benefit of the Contractor or any other party and the Owner's exercise or failure to exercise this right will not prejudice the Owner's right of termination pursuant to Article 12. The Owner's exercise of its right to stop the Work pursuant to this paragraph will not entitle the Contractor to any adjustment in the Contract Sum or Contract Time.

- 3.2.2 The Owner may at any time without cause and upon seven (7) days written notice to the Contractor suspend the Work or any portion thereof for a period of not more than one hundred eighty (180) days. The notice to the Contractor will fix the date on which the Work must be resumed and the Contractor must resume the Work on the date so fixed. In such an event, the Contractor may be entitled to an increase of the Contract Sum or an extension of the Contract Time, or both, in accordance with the provisions of Articles 7, 10, and 13.

3.3 THE OWNER'S RIGHT TO PERFORM WORK

- 3.3.1 If the Contractor fails within seven (7) days after its receipt of written notice from the Owner to proceed to correct defective Work or to remove and replace rejected Work as required by the Owner in accordance with Article 11 or if the Contractor fails to perform the Work in accordance with the Contract Documents, or if the Contractor fails to comply with any other provision of the Contract Documents, the Owner may, in addition to any other rights the Owner has, after three (3) days written notice to the Contractor, correct and remedy any such deficiency.
- 3.3.2 In the event of defective or incomplete Work that threatens the safety or welfare of persons or property, the Owner may, in addition to any other rights the Owner has, immediately correct and remedy any such deficiency without prior notice to the Contractor.
- 3.3.3 To the extent necessary to take the corrective and remedial action set forth in Subparagraphs 3.3.1 and 3.3.2, the Owner may exclude the Contractor from all or part of the Site; take possession of all or part of the Work and suspend the Contractor's services related thereto; take possession of the Contractor's tools, appliances, construction equipment, and machinery at the Site; and incorporate in the Work all materials and equipment stored at the Site or for which the Owner has paid the Contractor but which are stored elsewhere. The Contractor must allow the Owner, the Owner's representatives, agents, and employees such access to the Site as may be necessary to enable the Owner to exercise its rights and remedies. All direct and indirect costs of the Owner in exercising such rights and remedies will be charged to the Contractor by way of a reduction of the Contract Sum. Such direct and indirect costs include, but are not limited to, fees and charges of engineers, architects, attorneys and other professionals, all court and arbitration costs, and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the Contractor's defective Work. The Contractor is not entitled to an increase of the Contract Sum or an extension of the

Contract Time on account of the Owner's exercise of its rights and remedies under this Paragraph 3.3.

ARTICLE 4 THE CONTRACTOR

4.1 ACCESS TO THE WORK

4.1.1 The Owner, the Design Professional, testing agencies, and governmental authorities having jurisdiction and their respective representatives must at all times have access to the Work wherever it is in preparation or progress. The Contractor must provide proper facilities for such access.

4.2 CONTRACTOR'S REVIEW OF CONTRACT DOCUMENTS

4.2.1 Since the Contract Documents are complimentary, before starting each portion of the Work, the Contractor must carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner, must take field measurements of any existing or new conditions related to that portion of the Work, and must take into account any Site conditions that may affect the Work. The Contractor must immediately notify the Owner and the Design Professional of any errors, inconsistencies, or omissions in the Contract Documents or Owner-furnished information including any requirement that may be contrary to any usual construction practice, law, ordinance, rule, regulation, or order of any public authority bearing on the performance of the Work. If the Contractor performs any construction activity that it knows or should have known involves a recognized error, inconsistency, or omission without such notice to the Owner and the Design Professional, the Contractor is responsible for such activity and the costs associated with correction.

4.2.2 The Contractor must notify the Design Professional of any condition the Contractor finds where, in the Contractor's judgment, it would be desirable to modify the requirements of the Contract Documents to produce the best results. If the Contractor fails to so notify the Design Professional, or if the Contractor's recommendations for modifications are accepted, the Contractor assumes sole responsibility for satisfactory results.

4.3. SUPERVISION AND CONSTRUCTION PROCEDURES

4.3.1 The Contractor must supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as is necessary to perform the Work in accordance with the Contract Documents.

4.3.2 The Contractor is solely responsible for the means, methods, techniques, sequences, and procedures for the construction of the Work. If specific means, methods, techniques, sequences, or procedures of construction are indicated in or required by

the Contract Documents, the Contractor may use a substitute means, method, technique, sequence, or procedure of construction acceptable to the Design Professional if the Contractor submits sufficient information to allow the Design Professional to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents.

- 4.3.3. The Contractor is solely responsible for the acts and omissions of the Contractor's employees and Subcontractors and their respective agents and employees and other persons performing any of the Work.
- 4.3.4 It is solely the Contractor's responsibility complete all of the Work according to the requirements of the Contract Documents. The Contractor will not be relieved of its obligations to perform the Work in accordance with the Contract Documents by the activities or duties of the Owner or the Design Professional or by inspections, tests, or approvals, or the lack thereof, required or performed by any entity other than the Contractor.
- 4.3.5 The Contractor must verify all grades, lines, levels, and dimensions as indicated on the Drawings. Before commencing Work, the Contractor must report any errors or inconsistencies in these items to the Design Professional.

4.4 LABOR AND MATERIALS

- 4.4.1 Unless otherwise specified, the Owner will provide and pay for all water, light, and power required and necessary for the execution and completion of the Project. The Contractor, however, will be responsible for any damage to these systems, if used for this purpose.
- 4.4.2 The Contractor must provide and pay for all materials, labor, appliances, transportation, and other facilities necessary for the execution and completion of its obligations under the Contract.
- 4.4.3 When reference is made in the Construction Documents to trade names or to the names of manufacturers, such references are made solely to designate and identify the quality of material or equipment to be furnished, and are the standards upon which this Contract is based. All Work must be carefully executed in a skilled manner as indicated by the Contract Documents, or as the Design Professional may direct, where not explicitly so indicated. Quality of all workmanship must be such as to produce results having a high degree of mechanical perfection, high architectural value, and uniformity of character. By entering into this Contract, the Contractor will have signified its understanding of, and sympathy with, such requirements, recognizing its obligation to so execute the Work.
- 4.4.4 The Contractor must enforce strict discipline and good order among its employees at all times, and must not employ on the Project any unfit person or any person not

skilled in the Work assigned to that person. The Design Professional and Owner have the authority to order removed from the Project, any person or entity that the Design Professional or the Owner deems incompetent or whose work, methods, or conduct are inimical to the Owner's interest. The Contractor must immediately comply with any such order.

- 4.4.5 The Contractor must prevent everyone on the Site for whom it is responsible from using tobacco, radios and similar devices (not including electronic devices used for communication between the Contractor's staff), or any facility owned by the Owner, including but not limited to telephones, restrooms, showers, and lunch rooms.

4.5 WARRANTY

- 4.5.1 The Contractor warrants to the Owner and the Design Professional that all materials and equipment furnished under the Contract Documents will be of good quality and new unless otherwise specifically required by the Contract Documents and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized will be considered defective.
- 4.5.2 If required by the Owner or the Design Professional, the Contractor must furnish satisfactory evidence, including reports of required tests, as to the kind and quality of the materials and equipment. All materials and equipment must be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable supplier unless specifically provided otherwise in the Contract Documents.
- 4.5.3 Upon Final Payment, the Contractor must assign and transfer to the Owner all guarantees, warranties, and agreements from and with all Subcontractors regarding their performance, quality of workmanship, or quality of materials supplied in connection with the Work. The Contractor represents and warrants that all such guarantees, warranties, and agreements will be freely assignable to the Owner and that upon final completion of the Work, all such guarantees, warranties, and agreements will be in place and enforceable by the Owner in accordance with their terms. The Owner, however, will not assume through any assignment or transfer required under this Subparagraph 4.5.3, any of the Contractor's payment obligations to its Subcontractors.

4.6 TAXES

- 4.6.1 The Contractor must pay all applicable sales, consumer, use, service, and other similar taxes for the Work that are legally enacted at the time the bids are opened, whether or not yet effective or merely scheduled to go into effect. It is the Contractor's responsibility to obtain written verification of tax exemption.

4.7 PERMITS, FEES, AND NOTICES

- 4.7.1 Unless otherwise specifically set forth in the Contract Documents, the Contractor must secure and pay for all required temporary and permanent permits and licenses and must pay all fees necessary for the proper execution, completion, and occupancy of the Work and the Project. The cost of such procurement, payment, and delivery are included in the Contract Sum. Upon Substantial Completion of the Work, the Contractor must deliver to the Owner all certificates of inspection, use and occupancy permit, and any other permit applicable to the Project.
- 4.7.2 The Contractor must give all notices and comply with all laws, ordinances, rules and regulations bearing on the performance of the Work.

4.8 CASH ALLOWANCES

- 4.8.1 The Contractor must include in the Contract Sum all allowances stated in the Contract Documents. Items covered by these allowances must be supplied for such amounts and by such persons as the Owner may direct, but the Contractor will not be required to employ persons against whom the Contractor makes a reasonable and timely objection. Unless otherwise provided in the Contract Documents:
 - 4.8.1.1 Allowances cover the cost to the Contractor, less any applicable trade discount, of the materials and equipment required by the allowance delivered at the Site, and all applicable taxes;
 - 4.8.1.2 The Contractor's costs for unloading and handling on the Site, labor, installation costs, overhead, profit and other expenses contemplated for the original allowance must be included in the Contract Sum and not in the allowance;
 - 4.8.1.3 Whenever the cost is more than or less than the allowance, the Contract Sum will be adjusted accordingly by Change Order, the amount of which will recognize changes, if any, in handling costs on the Site, labor, installation costs, overhead, profit and other expenses.

4.9 SUPERINTENDENCE

- 4.9.1 At all times during the Contractor's performance of the Work, the Contractor must keep on the Site a competent superintendent and any necessary assistants; all satisfactory to the Owner and Design Professional. The Contractor must not change its Project superintendent except with the prior written consent of the Owner, unless the superintendent proves to be unsatisfactory to the Contractor, and ceases to be in the Contractor's employ. The superintendent will represent the Contractor and all directions given to the superintendent will bind the Contractor. The Owner will not be responsible for the acts or omissions of the superintendent or the superintendent's assistants.

4.10 DRAWINGS AND SPECIFICATIONS ON THE SITE

4.10.1 The Contractor must maintain in a secure place at the Site one record copy of all Contract Documents, shop submittals, and written interpretations and clarifications in good order and annotated to show all changes made during construction. The Contractor must make these record documents available to the Owner and Design Professional for reference at all reasonable times. Upon completion of the Work, the Contractor must deliver these record documents to the Owner.

4.11 SHOP SUBMITTALS

4.11.1 The Contractor must check and verify all field measurements, and must submit to the Design Professional with such promptness as to cause no delay in the Contractor's Work or in that of any other contractor, three copies, checked and approved by the Contractor, of all shop and setting drawings, samples, and schedules required for the Work. The Contractor must clearly label each submittal with the Project's name, the part of the Work for which submitted, the Contractor's name, and as applicable, the name of the associated Subcontractor.

4.11.2 The Design Professional will check and approve the shop submittals with reasonable promptness, making desired and necessary corrections for conformance with the design concept of the Project and compliance with the Contract Documents. The Contractor must make any corrections required by the Design Professional, file with the Design Professional two corrected copies of the submittal, and furnish such other copies as the Design Professional requests. The Design Professional's approval of shop submittals will not include the approval of quantities of materials or dimensions, and will not relieve the Contractor of (a) the Contractor's responsibility for deviations from the Contract Documents unless the Contractor informs the Design Professional in writing at the time of the submission of deviations, and the Contractor secures the Design Professional's written approval of the deviation; or (b) the Contractor's responsibility for any errors in shop submittals.

4.11.3 Shop submittals, in any part, in any form, or in any stage of submittal, review, or approval do not constitute Contract Documents or parts thereof.

4.11.4 The Contractor is not required to provide professional design services in violation of applicable law. If the Contract Documents require the Contractor to provide professional design services or certifications related to systems, materials, or equipment, the Design Professional will specify appropriate performance and design criteria that the Contractor must satisfy. The Contractor must cause the professional design services or certifications to be provided by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, shop submittals, and other documents prepared by the Contractor's design professional. Shop submittals and other documents designed or certified by the Contractor's design professional, if prepared by others, must bear the Contractor's design professional's written approval when submitted to the Owner or

the Design Professional. The Owner and the Design Professional are entitled to rely on the adequacy, accuracy, and completeness of the services, certifications, or approvals performed by the Contractor's design professional. The provisions of this paragraph 4.11.4 do not apply to construction means, methods, techniques, sequences, or procedures, the design or certification of which are the Contractor's responsibility unless specifically noted otherwise in the Contract Documents.

4.12 USE OF PREMISES

- 4.12.1 The Contractor must confine construction operations, equipment, storage of materials, and the activities of the workers to the Site and the limits indicated by law, ordinances, permits, and the direction of the Design Professional or Owner.
- 4.12.2 The Contractor must store building materials and equipment (a) only where directed by the Design Professional; (b) so as not to create a hazard; and (c) properly protected at all times from the elements.
- 4.12.3 The Contractor must not unreasonably encumber the Site with materials or equipment, and must not use the Site to store any materials or equipment not immediately needed for the Work.
- 4.12.4 The Contractor must insure free, unencumbered, and safe direct access to and from the properties neighboring the Site for the owners of such properties and their respective lessees, agents, invitees, and guests at all times during the performance of the Work. The Contractor is responsible for any damage to any such land or area or to the owner or occupant thereof or of any land or areas contiguous thereto resulting from the performance of the Work.

4.13 CUTTING, PATCHING, DIGGING

- 4.13.1 The Contractor must perform all cutting, fitting, and patching of the Work as may be required to make its several parts come together properly and integrate with the Project. The Contractor must not endanger any work of others by cutting, excavating, or otherwise altering their work and must only cut their work with the written consent of the Owner, the Design Professional, and others whose work would be affected.
- 4.13.2 Any cost caused by defective or ill-timed work must be borne by the party responsible therefor.
- 4.13.3 The Contractor must not endanger any work by cutting, digging, or otherwise, and must not cut or alter the work of any other contractor except with the consent of the Design Professional.

4.14 CLEANING UP

4.14.1 The Contractor must at all times keep the Site free from accumulation of waste material or rubbish resulting from the Work. At least once each week during the construction period, the Contractor must remove all waste material and rubbish from the Site and leave the Work "broom-clean" or its equivalent. At the completion of the Work, the Contractor must remove all rubbish, tools, appliances, equipment, and surplus material from and about the Site and Project, and must leave the Site and Project clean and ready for occupancy. The Contractor must restore to original condition all property altered during the Project by the Contractor although the property was not designated for alteration by the Contract Documents.

4.14.2 In the case of dispute or delinquency, the Owner may remove the rubbish and charge the cost to the Contractor by way of change order.

4.15 PATENT FEES AND ROYALTIES

4.15.1 The Contractor must pay all royalties and license fees. The Contractor must protect the Owner from claims from infringement of any patent and copy rights, and must save the Owner harmless from any and all loss on account thereof including attorneys' fees.

4.16 INDEMNIFICATION

4.16.1 To the fullest extent permitted by law, the Contractor must indemnify, defend, and hold harmless the Owner and the Design Professional from and against any and all suits or claims for damages or losses arising or allegedly arising out of, or resulting directly or indirectly from the performance of the Work by the Contractor or its Subcontractors, but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable regardless of whether or not such suit, claim, damage or loss is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge or reduce other rights or obligations of indemnity, which would otherwise exist as to a party or person described in this Paragraph 4.16. The Contractor must promptly reimburse the Owner, the Design Professional, and their respective successors and assigns, for any cost, expense, or attorneys' fees incurred on account of any such suit or claim, or incurred in enforcing the terms of the Contract. The Contractor must cause this indemnification provision to be included in every Subcontract entered into with regard to the Work. This indemnification obligation is in no way limited by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor, its Subcontractors, or any other person or organization under workers' compensation acts, disability benefit acts, or other employee benefit acts.

4.17 TESTS AND INSPECTIONS

- 4.17.1 If the Construction Documents, the Design Professional's instructions, or the laws, ordinances, or regulations of any public authority with jurisdiction over the Project require testing, inspection, or approval of any Work, the Contractor must give the Design Professional timely notice of its readiness for observation by the Design Professional or inspection by another authority, and if the inspection is by an authority other than the Design Professional, of the date fixed for such inspection. The Contractor must secure all required certificates of inspection.
- 4.17.2 All inspections, tests, or approvals other than those required by laws or regulations of a governmental authority having jurisdiction over the Project must be performed by organizations acceptable to the Design Professional.
- 4.17.3 Inspections or testing performed solely for the Contractor's convenience are the sole responsibility of the Contractor and the Contractor alone must bear the associated cost.
- 4.17.4 The Contractor must deliver original copies of all certificates of inspection and like documents to the Design Professional and Owner upon completion of the Work and Request for Final Payment.

4.18 PHYSICAL CONDITIONS AND FACILITIES AFFECTING THE WORK; EXISTING FACILITIES

- 4.18.1 The information and data shown or indicated in the Contract Documents with respect to existing subsurface facilities at or contiguous to the Site is based on information and data furnished to the Owner or the Design Professional by the owners of such underground facilities or by others. The Owner is not responsible for and does not warrant the accuracy or completeness of any such information or data.
- 4.18.2 If an underground facility was not shown or indicated in the Contract Documents and was not a facility of which a contractor of similar skill and expertise to that of the Contractor could reasonably have been expected to have been aware and the underground facility is uncovered or revealed at or contiguous to the Site, the Contractor must promptly after becoming aware thereof and before performing any Work affected thereby, except in an emergency as permitted by paragraph 9.2.1, identify the owner of such underground facility and give written notice thereof to that owner and to the Owner and Design Professional. The Design Professional will review the underground facility and modify the Contract Documents to the extent necessary to reflect and document the existence of the underground facility. During such time, the Contractor is responsible for the safety and protection of such underground facility as provided in Article 9. The Contractor is entitled to an equitable adjustment of the Contract Sum or the Contract Time, or both, to the extent that the need for such adjustment or adjustments is attributable to the existence of an

underground facility that was not shown or indicated in the Contract Documents and of which a contractor of similar skill and knowledge and expertise to that of the Contractor could not reasonably have been expected to have been aware.

4.18.3 The Contractor must comply with the provisions of the Ohio Revised Code Section 153.64 and other pertinent provisions of law relating to underground facilities.

4.18.4 To the extent that the Contractor is not negligent in doing so, the Contractor may rely upon the accuracy of technical data contained in reports of explorations and tests of subsurface conditions at the Site that the Design Professional has used in the preparation of the Contract Documents and that have been furnished to the Contractor.

4.18.4.1 If the Contractor believes that: (a) any technical data on which the Contractor is entitled to rely is inaccurate, or (b) any physical condition uncovered or revealed at the Site differs materially from that indicated or referred to in the Contract Documents; the Contractor must promptly after becoming aware thereof and before performing any Work in connection therewith, except in an emergency as permitted by paragraph 9.2.1, notify the Owner and Design Professional in writing about the inaccuracy or difference.

4.18.4.2 If the Owner and Design Professional conclude that there is a material difference from that indicated or referred to in the Contract Documents or that there exist physical conditions of which a contractor of similar skill and expertise to that of the Contractor could not reasonably have been expected to have been aware, the Contractor may be entitled to an equitable adjustment of the Contract Sum or the Contract Time, or both; provided, however, that the Contractor's failure to give the notice required in Clause 4.18.4.1 will constitute an irrevocable waiver of the claim.

ARTICLE 5 SUBCONTRACTORS

5.1 AWARD OF SUBCONTRACTS

5.1.1 Upon execution of the Agreement, the Contractor must submit to the Owner and the Design Professional the names of the Contractor's proposed Subcontractors. The Contractor must not employ any Subcontractor that is not identified at the time of the execution of the Agreement.

5.1.2. The Contractor must not employ any Subcontractor against whom the Owner or Design Professional has a reasonable objection. The Owner or Design Professional's approval or disapproval of any Subcontractor, however, will not relieve the Contractor of the Contractor's full responsibility for performance of the Work.

- 5.1.3 The Owner will not require the Contractor to employ any Subcontractor against whom the Contractor has a reasonable objection.
- 5.1.4 The Contractor is fully responsible for the acts and omissions of the Subcontractors and of persons either directly or indirectly employed by them.
- 5.1.5 The Design Professional will, on request, furnish to any Subcontractor, wherever practicable, evidence of the amounts certified on the Subcontractor's account.

5.2 RELATIONS OF CONTRACTOR AND SUBCONTRACTOR

- 5.2.1 The Contractor agrees to bind every Subcontractor to the terms of the Contract Documents, as far as applicable to the Subcontractor's work, unless specifically noted to the contrary in a subcontract approved in writing by the Owner or Design Professional prior to the execution of the subcontract.

ARTICLE 6 WORK BY THE OWNER OR BY SEPARATE CONTRACTORS

6.1 THE OWNER'S RIGHT TO PERFORM WORK AND TO AWARD SEPARATE CONTRACTS

- 6.1.1 The Owner reserves the right to perform other work related to the Project with its own forces or let other contracts in connection with this Work.

6.2 MUTUAL RESPONSIBILITY OF CONTRACTORS

- 6.2.1 The Contractor must afford all Separate Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and must properly connect and coordinate with their work. The Contractor must notify Separate Contractors of any Work, which will affect the installation of their work.
- 6.2.2 If any part of the Work depends for proper execution or results upon the work of any Separate Contractor, the Contractor must inspect and promptly report to the Design Professional any defects in such work that render it unsuitable for such proper execution and results. The Contractor's failure to inspect and report constitutes an acceptance of the Separate Contractor's work as fit and proper for the reception of the Contractor's Work, except as to defects which may develop in the Separate Contractor's work after the execution of the Contractor's Work.
- 6.2.3 The Contractor must perform the Work so as not to interfere, disturb, hinder, or delay the work of the Separate Contractors.
 - 6.2.3.1 Should the Contractor, or any party for whom the Contractor is responsible under the Contract Documents, cause damage or injury to the property or Work of any Separate Contractor performing work on the Site, or by failure

to perform the Work with due diligence, delay, interfere, hinder, or disrupt any Separate Contractor who suffers additional expense and damage thereby, the Contractor is responsible for such damage, injury, or expense.

6.2.3.2 The intent of paragraph 6.2.3.1 is to benefit the Separate Contractors on the Project, if any, and to demonstrate that Separate Contractors are intended third party beneficiaries of the Contract.

6.2.3.3 The Contractor must not delay the Work on account of any claim, dispute, or action between the Contractor and a Separate Contractor, if any.

6.2.4 If the Contractor causes damage to the work or property of the Owner or to other facilities on the Site, the Contractor must promptly remedy such damage.

6.2.5 If more than one contractor is or will be working on the Site, the Owner will designate the contractor responsible for coordination of all or certain portions of the work of the other contractor(s). If so designated, the Contractor must coordinate the Work of the Separate Contractor(s); otherwise, the Contractor must cooperate with the coordination of its Work by another contractor.

6.3 THE OWNER'S RIGHT TO PERFORM DISPUTED WORK

6.3.1 If a dispute arises between the Contractor and a Separate Contractor as to the responsibility for performing any work, the Owner may perform such work and charge the costs thereof to the several contractors responsible therefor in the amount that the Owner determines to be equitable.

ARTICLE 7 TIME

7.1 DEFINITIONS.

7.1.1 A "day" is a calendar day of twenty-four (24) hours measured from midnight to the next midnight. Under no circumstances does the term "day" mean or refer to workdays, notwithstanding the fact that Paragraph 5.6 of the Agreement may restrict hours of operation to certain times of the day or days of the week, or both. Any period of time referred to in the Contract Documents by a number of days is to be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday, Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day is omitted from the computation.

7.1.2 Except as excluded in Subparagraph 7.1.1, the Contract Time includes Saturdays, Sundays, and all days made a legal holiday by the law of the applicable jurisdiction.

7.1.3 The date of substantial completion of the Work is the date determined by the Owner and Design Professional when the Work is sufficiently complete in accordance with the requirements of the Contract Documents that the Owner can fully occupy and

use the Work or designated portion thereof for the use for which it is intended, with all of the Work's parts and systems operable as required by the Contract Documents and all required final occupancy permits, if any, have been issued.. Only incidental corrective work and final cleaning, if required beyond cleaning needed for the Owner's full use, may remain for final completion.

- 7.1.4 The date of final completion of the Work is the date determined by the Owner and Design Professional when all Work is complete, accessible, operable, and usable by the Owner and all parts, systems and Site work are one hundred percent complete and cleaned for the Owner's full use and all drawings, certificates, bonds, guarantees and documents required by the Contract Documents have been provided to the Owner by the Contractor.

7.2 PROGRESS AND COMPLETION

- 7.2.1 Within ten (10) days after executing the Agreement, the Contractor must prepare and submit to the Owner and Design Professional the Contractor's proposed construction schedule for performance of the Work (the "Contractor's Construction Schedule"). The Contractor must prepare the Contractor's Construction Schedule in consultation and cooperation with the Owner and any Separate Contractors involved in the Project and must indicate the proposed start and end of each separate phase of the Work, along with such other detail as the Owner and Design Professional may require. The Contractor must revise as necessary and resubmit to the Owner and Design Professional the Contractor's Construction Schedule. The Contractor's Construction Schedule must be acceptable to the Owner and Design Professional as providing an orderly progression of the Work to completion within the Contract Time, but such acceptance neither imposes on the Owner or Design Professional responsibility for the progress or scheduling of the Work nor relieves the Contractor from full responsibility therefor. No progress payments will be processed until the Contractor properly prepares and submits the Contractor's Construction Schedule.
- 7.2.2 The Contractor must cooperate with the Owner, Design Professional and Separate Contractors, if any, in the development of the Project time schedule (the "Project Time Schedule") by providing information for the scheduling of the times and sequence of the operations required for the Work to meet the Owner's overall requirements, must continuously monitor the Project Time Schedule so as to be fully familiar with the timing, phasing and the sequence of the operations of the Work in relation to the other work on the Project, and must execute the Work in accordance with the requirements of the Project Time Schedule, including any revisions thereof.
- 7.2.3 Every month, the Contractor must revise the Contractor's Construction Schedule to indicate the progress of the Work by identifying the Work completed and adjusting as necessary the scheduling of the unfinished Work. The Contractor must submit the revised Contractor's Construction Schedule as an attachment to the Contractor's monthly applications for payment.

7.3 DELAYS AND EXTENSIONS OF TIME

- 7.3.1 In the event that the Contractor is delayed in the progress of the Work by any act (except that involving removal or correction of defective work or pursuant to the Owner or Design Professional's right to stop the Work) or omission of the Owner, Design Professional, or any Separate Contractor, or by strikes, lockouts, fire, unusual delays in transportation, unavoidable casualties, or any cause beyond the Contractor's reasonable control, including changes in the Contract Documents, then the Contract Time may be extended by change order for such reasonable time as the Owner may determine.
- 7.3.2 Notwithstanding any other provision in the Contract Documents to the contrary, an extension of the Contract Time will be the Contractor's exclusive remedy in the event of any delay not directly caused by the Owner, and the Contractor specifically waives any right it may otherwise have to an increase in the Contract Sum or damages because of such delay or disruption to all or any part of the Work, whether such delay was foreseen or unforeseen and whether caused by the active interference of any party for whom the Owner is not directly responsible.
- 7.3.3 The Contract Time will not be adjusted for normal inclement weather. Unless the Contractor can substantiate to the satisfaction of the Owner and the Design Professional that there was greater than normal inclement weather considering the full term of the Contract Time and using a ten-year average of accumulated record mean values from climatological data compiled by the U.S. Department of Commerce National Oceanic and Atmospheric Administration for the locale of the Project and that such alleged abnormal inclement weather had an adverse impact on a critical element of the Contractor's Construction Schedule, the Contractor will not be entitled to an extension of the Contract Time. If the total accumulated number of calendar days lost due to inclement weather from the start of Work until final completion exceeds the total accumulated number to be expected for the same period from the aforesaid data, the Contract Time will be extended by the appropriate number of calendar days. In no event, however, will the Contractor be entitled to any increase in the Contract Sum on account of inclement weather.
- 7.3.4 Notwithstanding any other provision in the Contract Documents to the contrary, the Contractor must give written notice of any claim for an adjustment of the Contract Sum or the Contract Time, or both, to the Owner and the Design Professional not more than ten (10) calendar days after the commencement of the delay. In case of a continuing cause of delay occurring on consecutive days, only one claim is necessary; provided, however, that within ten (10) days after the cessation of the cause of the continuing delay, the Contractor must notify the Owner and the Design Professional in writing that the cause of the delay has ceased.
- 7.3.5 No adjustments in the Contract Time or the Contract Sum will be allowed if a delaying event did not directly and adversely impact a critical element of the Contractor's Construction Schedule. Any request for an adjustment of the Contract

Time or the Contract Sum, or both, must be accompanied by supporting data and a written statement that the adjustment requested is the entire adjustment resulting from the occurrence of the delaying event. The supporting data must include a detailed schedule which identifies the critical portions of the Work impacted by the delaying event, the dates of such impact, and any other pertinent data or information required in the Contract Documents or by the Owner. No request for an adjustment in the Contract Time will be valid if not submitted in accordance with the requirements of this Subparagraph.

- 7.3.6 The failure to give written notice of the commencement of any delay or the failure to give written notice of the cessation of the cause of a continuing delay, both as set forth in Subparagraph 7.3.4, or the failure to submit a written request for an adjustment of the Contract Time or the Contract Sum, or both, as set forth in Subparagraph 7.3.5, will constitute an irrevocable waiver of the claim.

7.4 RESPONSIBILITY FOR COMPLETION

- 7.4.1 The Contractor must furnish such employees, materials, facilities and equipment and, subject to the provisions of Paragraph 5.6 of the Agreement, must work such hours, including extra shifts, overtime operations and Sundays and holidays as may be necessary to ensure the prosecution and completion of the Work in accordance with the Contractor's Construction Schedule. If the Contractor is not performing the Work in accordance with the Contractor's Construction Schedule and it becomes apparent that the Contractor will not complete the Work within the Contract Time, the Contractor must, as necessary to improve its progress, take some or all of the following actions, at no additional cost to the Owner:

7.4.1.1 Increase the number of employees in such crafts as will regain lost schedule progress; and

7.4.1.2 Increase the number of working hours per shift, shifts per working day, working days per week, the amount of equipment or any combination of the foregoing to regain lost schedule progress.

- 7.4.2 In addition, the Owner or Design Professional may require the Contractor to prepare and submit a proposed recovery schedule and plan, which demonstrate the Contractor's program to regain lost schedule progress and to ensure completion of the Work within the Contract Time. The Contractor must submit the proposed recovery schedule and plan within forty-eight (48) hours after the Owner or Design Professional requests it. If the Owner or the Design Professional finds the proposed recovery schedule and plan not acceptable, the Contractor may be required to submit a new proposed recovery schedule and plan. The Contractor must submit the second proposed recovery schedule and plan within forty-eight (48) hours after the Owner or Design Professional requests it. If the actions taken by the Contractor or the second proposed recovery schedule and plan are not satisfactory to the Owner or the Design Professional, the Owner or Design Professional may require the Contractor

to take any of the actions set forth in the Subparagraph 7.4.1 without additional cost to the Owner.

ARTICLE 8 PAYMENTS AND COMPLETION

8.1 PRICE ALLOCATION TO THE CONTRACTOR'S CONSTRUCTION SCHEDULE AND SCHEDULE OF VALUES

8.1.1 Within ten (10) days after the Owner and Design Professional accept the Contractor's Construction Schedule pursuant to Article 7 and thereafter as the Owner or Design Professional requires, the Contractor must submit schedules of materials and equipment for each category or subcontract for which application for payment will be made, which schedules must allocate the prices to the Contractor's Construction Schedule and must include items, quantities, values, or unit prices with extensions and the month in which application for payment with respect thereto is expected to occur. The Contractor must update all schedules on a monthly basis and submit the schedules as attachments to the Contractor's application for payment.

8.1.2 Before the first application for payment, the Contractor must submit to the Design Professional a schedule of values allocated to various portions of the Work, prepared in such form and supported by such data to substantiate its accuracy as the Owner or the Design Professional may require. The schedule of values must be prepared in such a manner that each item of the Work and each subcontracted item of the Work is shown as a separate line item. Unless objected to by the Owner or the Design Professional, this schedule of values will be used as a basis for reviewing the Contractor's applications for payment.

8.2 APPLICATIONS FOR PAYMENT

8.2.1 At least ten (10) days before each progress payment is scheduled, but not more often than once a month, the Contractor must submit to the Design Professional an application for payment. With each application for Payment, the Contractor must provide lien waivers and other documents from Contractor and its subcontractors as the Owner may reasonably request. If payment is requested for materials, equipment, or supplies stored off Site, the application must be accompanied by bills of sale, invoices, or other documentation warranting that the Owner has received the materials, equipment, or supplies free and clear of all liens, charges, security interests or encumbrances, and by evidence that the materials, equipment, or supplies are covered by appropriate property insurance and other arrangements to protect the Owner's interest therein, all of which must be satisfactory to the Owner.

8.2.2 The Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any application for payment, whether incorporated into the Project or not, will pass to the Owner free and clear of all liens, charges, security interests or encumbrances no later than the time of payment.

- 8.2.3 The Design Professional will determine the actual quantities and classifications of unit price Work that the Contractor performs. The Design Professional's determination thereof will be final and binding upon the Contractor unless, within five (5) days after the date of such decision, the Contractor delivers to the Owner and the Design Professional written notice of objection to the determination.

8.3 CERTIFICATE FOR PAYMENT

- 8.3.1 Within ten (10) days after receipt of each application for payment, the Design Professional must either certify the application to the Owner for payment or return the application to the Contractor indicating in writing the reasons for rejecting the application for payment. If the Design Professional rejects the application, the Contractor must make the necessary corrections and resubmit the application.

- 8.3.2 The issuance of a certificate for payment constitutes a representation by the Design Professional to the Owner that the Work has progressed to the point indicated and that the quality of the Work is in accordance with the requirements of the Contract Documents. The foregoing representations are subject to minor deviations from the Contract Documents correctable prior to final completion and to specific qualifications expressed by the Design Professional. The issuance of a certificate for payment will further constitute a representation that the Contractor is entitled to payment in the amount certified. The issuance of a certificate for payment, however, will not be a representation that the Design Professional has:

8.3.2.1 Reviewed construction means, methods, techniques, sequences, or procedures; or

8.3.2.1 Made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

8.4 PROGRESS PAYMENTS

- 8.4.1 The Owner will make progress payments on account of the Contract Sum on the basis of the Contractor's applications for payment as certified by the Design Professional and as approved by the Owner.

- 8.4.2 The Contractor must promptly pay each Subcontractor and all of the Contractor's laborers upon receipt of payment from the Owner out of the amount paid to the Contractor on account of the Work of each Subcontractor or laborer, the amount to which each Subcontractor and laborer is entitled. The Contractor must, by an appropriate agreement with each Subcontractor, also require each Subcontractor to make payments to its subcontractor(s) in the same manner. The Owner may require such evidence of payments in accordance with this Paragraph as it may deem appropriate.

- 8.4.3 The Owner may, upon request and at the Owner's sole discretion, furnish to any Subcontractor, if practicable, information regarding the percentage of completion or the amounts applied for by the Contractor and the action taken thereon by the Design Professional on account of work done by each Subcontractor.
- 8.4.4 The Owner and the Design Professional are not obligated to pay or see to the payment of any monies to any Subcontractor, except as may otherwise be required by law.
- 8.4.5 No progress payment, nor any partial or entire use or occupancy of the Project by the Owner will constitute an acceptance of any Work that does not conform to the requirements of the Contract Documents.
- 8.4.6 The Contractor agrees to keep the Work, the Site, and funds encumbered for the Project free and clear of all liens for labor and materials furnished pursuant to the Contract Documents. Notwithstanding anything to the contrary contained in the Contract Documents, if any such lien is filed or asserted or there is any reason to believe that any lien may be filed or asserted at any time during the progress of the Work or within the duration of the Contract, the Owner may refuse to make any payment otherwise due the Contractor or withhold from any payment due the Contractor a sum sufficient, in the Owner's opinion or as required by law, to pay all obligations and expenses necessary to satisfy such lien and to indemnify the Owner against any such lien until the Contractor furnishes evidence satisfactory to the Owner that the indebtedness and the lien in respect thereof, if any, has been satisfied, discharged, and released of record if and as provided by law pending the resolution of any such dispute between the Contractor and the person filing such lien. If the Contractor does not furnish such evidence to the Owner within a period of seven (7) days after demand therefor, the Owner may discharge such indebtedness as provided by law and deduct the amount required therefor, together with any and all losses, costs, damages, and attorneys' fees suffered or incurred by the Owner from any sum payable to the Contractor. The Owner may withhold final payment to the Contractor until the Work, the Site, and any funds encumbered therefor, are free and clear of any and all liens or rights thereto arising because of Work performed or materials furnished under the Contract Documents.

8.5 PAYMENTS WITHHELD

- 8.5.1. The Design Professional may withhold or nullify or the Owner may refuse to pay the whole or a part of any certificate for payment to such extent as may be necessary in the opinion of the Design Professional or Owner to protect the Owner from loss on account of:
 - 8.5.1.1 Defective work not remedied;
 - 8.5.1.2 Third-party claims filed or reasonable evidence indicating probable filing of claims;

- 8.5.1.3 Failure of the Contractor to make payments properly to Subcontractors or laborers;
 - 8.5.1.4 A reasonable doubt that the Contractor cannot complete the Work for the balance of the Contract Sum then unpaid;
 - 8.5.1.5 Damage to the Owner or a Separate Contractor;
 - 8.5.1.6 Failure to comply with the Contractor's Construction Schedule or the Project Time Schedule or other evidence that the Contractor will not complete the Work within the Contract Time;
 - 8.5.1.7 The Contractor's unsatisfactory prosecution of the Work;
 - 8.5.1.8 Liens filed or asserted or reason to believe that it is probable that a lien will be filed or asserted for any portion of the Work;
 - 8.5.1.9 Claims filed or asserted against the Contractor or reasonable evidence indicating the probable filing or assertion of claims; or
 - 8.5.1.10 Failure of the Contractor to comply with the Owner's prevailing wage or non-discrimination requirements.
- 8.5.2 When the above grounds are removed to the Owner's satisfaction, payment will be made for amounts withheld because of them.

8.6 SUBSTANTIAL COMPLETION

- 8.6.1 Substantial completion is the stage in the progress of the Work when the Work or a designated portion thereof is sufficiently complete in accordance with the requirements of the Contract Documents that the Owner can fully occupy and use the Work or designated portion thereof for the use for which it is intended, with all of the Work's parts and systems operable as required by the Contract Documents and all required final occupancy permits, if any, have been issued. Only incidental corrective work and final cleaning, if required beyond cleaning needed for the Owner's full use, may remain for final completion..
- 8.6.2 When the Contractor considers the entire Work ready for its intended use and substantially complete in accordance with the requirements of the Contract Documents, the Contractor must notify the Design Professional in writing that the Contractor considers the Work to be substantially complete and request that the Design Professional issue a certificate of substantial completion. Within a reasonable time thereafter, the Design Professional will make an inspection with the Owner and the Contractor to determine the status of completion. If, in consultation with the Owner, the Design Professional does not consider the Work substantially complete, the Design Professional will notify the Contractor in writing, with a copy

to the Owner, giving the reasons therefor. If, in consultation with the Owner, the Design Professional considers the Work substantially complete, the Design Professional will prepare and deliver to the Owner a certificate of substantial completion. The Design Professional will attach to the certificate a list ("Punch List") of items to be completed or corrected before final payment. Unless otherwise expressly noted in the certificate of substantial completion, the Contractor must complete all items on the Punch List within thirty (30) days of the date of substantial completion. The Contractor will be allowed reasonable access to the Project to complete or correct items on the Punch List. If the Contractor fails to complete all items on the Punch List within the time period set forth above or in the certificate of substantial completion, the Owner in its discretion may perform the Work by itself or others and may charge the cost against the Contractor.

- 8.6.3 At the time of delivery of the certificate of substantial completion, the Design Professional will deliver to the Owner and Contractor a written notice of the division of responsibilities pending final payment between the Owner and the Contractor with respect to security, operation, safety, maintenance, heat, utilities, insurance, and warranties. Such notice will be binding on the Contractor until final payment.

8.7 PARTIAL USE

8.7.1 The Owner's use of any finished part of the Work that has been specifically identified in the Contract Documents or which the Owner and the Contractor agree constitutes a separately functioning and usable part of the Work that the Owner can use without significant interference with the Contractor's performance of the remainder of the Work may be accomplished prior to substantial completion of all of the Work. The Owner and the Design Professional may at any time ask the Contractor in writing to permit the Owner to use any such part of the Work. Within a reasonable time after such request by the Owner, the Design Professional and the Contractor must make an inspection of that part of the Work to determine its status of completion.

8.7.1.1 If the Design Professional determines that the part of the Work to be used is substantially complete, the provisions of subparagraphs 8.6.2 and 8.6.3 will apply with respect to a certificate of substantial completion for that part of the Work and the division of responsibility in respect thereof and access thereto.

8.7.1.2 If the Design Professional determines that the part of the Work to be used is not substantially complete, Design Professional will notify the Owner and Contractor in writing, giving the reasons therefor.

8.7.1.3 No occupancy or separate operation of part of the Work will be accomplished until the insurers providing the property insurance have acknowledged notice thereof in writing and have effected the changes in coverage necessitated thereby. The insurers providing the property insurance must consent by endorsement to the policy or policies, but the property insurance must not be canceled or permitted to lapse on account of any partial use or occupancy. The Contractor is responsible for providing

the notice and securing the acknowledgment and endorsement required by this Clause.

8.8 FINAL INSPECTION

- 8.8.1 In consultation with the Owner, the Design Professional will determine when the Work is finally complete. Upon written notice from the Contractor that it considers the entire Work or an agreed portion thereof to be complete, the Design Professional will make a final inspection with the Owner and the Contractor and will notify the Contractor in writing, with a copy to the Owner, of all items determined to be incomplete or defective. The Contractor must immediately take such measures as are necessary to remedy such deficiencies. If the Contractor fails to immediately take such measures, the Owner in its discretion may perform the Work by itself or others and may charge the cost against the Contractor. When the Design Professional considers the Work finally complete, the Design Professional will prepare and deliver to the Contractor a Certificate of Final Completion with a copy to the Owner.

8.9 FINAL APPLICATION FOR PAYMENT

- 8.9.1 After the Contractor has completed all of the Work to the satisfaction of the Owner and the Design Professional, the Contractor may make application for final payment.
- 8.9.2 Within ten (10) days after receipt of the Contractor's final application for payment, the Design Professional will either certify the application and submit it to the Owner or return the application to the Contractor indicating in writing the reasons for rejecting the application for payment. If the Design Professional rejects the application, the Contractor must make the necessary corrections and resubmit the application. The Design Professional's certification of the final application for payment will constitute a representation by the Design Professional to the Owner that to the best of the Design Professional's knowledge, information, and belief, and on the basis of the Design Professional's Site visits and inspections, the Work has been completed in accordance with the requirements of the Contract Documents and that the entire balance found to be due the Contractor and noted in the final certificate is due and payable. Such certification is subject to approval of the Owner. The Design Professional's final certificate for payment will also constitute a further representation that the conditions listed in the following paragraph 8.9.3 as precedent to the Contractor's being entitled to final payment have been fulfilled.
- 8.9.3 Neither final payment nor any remaining retainage shall become due until the Contractor submits to the Owner through the Design Professional:
- 8.9.3.1 An affidavit in form and substance satisfactory to the Owner that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's funds might be responsible or encumbered have been paid or otherwise satisfied;

- 8.9.3.2 A certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be canceled or allowed to expire until at least thirty (30) days prior written notice has been given to the Owner;
- 8.9.3.3 A written statement that the Contractor knows of no substantial reason why the insurance will not be renewable to cover the period required by the Contract Documents;
- 8.9.3.4 Consent of surety to final payment (if applicable);
- 8.9.3.5 All maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, record documents, and other documents required by the Contract Documents;
- 8.9.3.6 Other data required by the Owner establishing payment or satisfaction of obligations, such as receipts, releases, waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner.

8.10 FINAL ACCEPTANCE AND PAYMENT

- 8.10.1 Subject to the provisions of Paragraph 8.5, final payment will become due and payable by the Owner to the Contractor thirty (30) days after (1) presentation to the Owner of the Contractor's certified application for final payment and accompanying documentation in appropriate form and substance and (2) the Owner's submission of the certified application to the Owner's internal payment process.

8.11 THE CONTRACTOR'S CONTINUING OBLIGATION

- 8.11.1 Neither certification of any progress or final payment by the Design Professional, nor issuance of a certificate of substantial completion or a certificate of final completion, nor any progress payment by the Owner to the Contractor, nor any use or occupancy of the Work or any part thereof by the Owner, nor any act of acceptance by the Owner, nor any review or approval of any shop submittals will constitute an acceptance of Work not in accordance with the requirements of the Contract Documents or release the Contractor of its obligation to perform the Work in accordance with the Contract Documents.

8.12 WAIVER OF CLAIMS

- 8.12.1 The making and acceptance of final payment will constitute the following:

- 8.12.1.1 A waiver of all claims by the Owner against the Contractor, except claims arising from unsettled liens, from defective Work appearing after final

inspection, from failure to comply with the requirements of the Contract Documents or from the terms of any special guarantees specified in the Contract Documents. It will not constitute a waiver by the Owner of any rights in respect of the Contractor's continuing obligations under the Contract Documents; and

8.12.1.2 With the exception of claims pending at the time of the Contractor's acceptance of final payment, a waiver of all claims by the Contractor against the Owner.

ARTICLE 9 PROTECTION OF WORK, PROPERTY, ADJACENT PROPERTY AND THE PUBLIC

9.1 SAFETY AND PROTECTION

- 9.1.1 The Contractor is solely responsible for initiating, maintaining and supervising safety precautions in connection with the Work. The Contractor must designate a responsible representative at the Site whose duty will be the prevention of accidents. This person must be the Contractor's superintendent unless otherwise designated in writing by the Contractor to and accepted by the Design Professional. In addition, the Contractor must provide such watchmen, and take such other precautions as the Contractor may deem necessary to protect the Work, the Owner's property, adjacent property, and the public.
- 9.1.2 The Contractor must continuously maintain adequate protection of the Work from damage, and must protect the Owner's property from injury or loss arising in connection with the Work and must repair any such damage, injury, or loss. The Contractor must adequately protect adjacent property as provided by law and the Contract Documents.
- 9.1.3 The Contractor must construct and maintain all necessary temporary drainage, and do all pumping necessary to keep excavations, floors, pits, and trenches free of water. The Contractor must at all times provide protection against rain, wind, storms, frost, or heat, so as to maintain all Work, materials, apparatus, and fixtures free from injury or damage. At the end of each day's work, the Contractor must cover all Work likely to be damaged. If low temperatures make it impossible to continue operations safely in spite of cold weather precautions, the Contractor must cease Work and notify the Design Professional. Open fires are not permitted.
- 9.1.4 The Contractor must take all necessary precautions for the safety of employees on the Project, and must comply with all applicable provisions of federal, state and local safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the Site. The Contractor must provide and maintain all passageways, guard fences, lights, and other facilities for protection required by the public authority or local conditions. The Contractor is responsible for supervising all safety precautions throughout the construction of the Project.

- 9.1.5 The Contractor must maintain protection of all adjacent property as provided by law and the Contract Documents. Before any Work is started, all owners of property adjacent to the Owner's property or property that may under any circumstances whatsoever be injured by the Work, must be notified by the Contractor, in writing, of the time the Contractor expects to begin operations under the Contract, of the extent of the Work, and to take such steps as may be necessary to protect their property during the performance of the Work. The Contractor must deliver duplicate copies of such notices to the Design Professional immediately after sending them. The Contractor assumes full and sole responsibility for the maintenance and support of all adjacent property, and the Contractor must promptly repair, at its own expense, any damage to adjacent property caused by operations under this Agreement.
- 9.1.6 For additions and Work adjacent to existing buildings, the Contractor must take all necessary precautions (such as underpinning, shoring, etc.) to protect existing foundations and walls for the safety of all workmen, the public or other persons who may be involved at the location in connection with the Work.
- 9.1.7 The Contractor must at all times protect the public by erecting and maintaining suitable and approved temporary sidewalks, fences, barriers, or other structures as may be required by law or as may be necessary for the protection of the public.
- 9.1.8 The Contractor must not load or permit any part of the structure to be loaded in any manner that would endanger the structure. The Contractor must not subject any part of the Work, Site, or adjacent property to stresses or pressures that would endanger it.
- 9.1.9 The Contractor must not introduce any explosives or other hazardous materials or equipment in any form whatsoever to the Site without the Owner's prior written approval, which approval is subject to the Owner's sole discretion may be made subject to any conditions the Owner deems necessary.

9.2 EMERGENCIES

- 9.2.1 In an emergency affecting the safety of life or of the Work or of adjoining property, the Contractor, without special instructions or authorization from the Design Professional or Owner, is permitted to act, at its discretion, to prevent such threatened loss or injury, and it must so act, without appeal, if authorized or instructed. The Design Professional will determine the extent of the adjustments, if any, in the Contract Sum or Contract Time on account of emergency work.

9.3 HAZARDOUS MATERIALS

- 9.3.1 If reasonable precautions would be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, such material or substance

is defined herein as a "Hazardous Material." In the event that the Contractor encounters a material or substance that the Contractor reasonably believes is a Hazardous Material, including but not limited to asbestos or polychlorinated biphenyl (PCB), and such Hazardous Material has not been rendered harmless, the Contractor must immediately stop Work in the affected area and report the condition to the Owner and Design Professional in writing. Thereafter, the Contractor must not resume the Work in the affected area until such time as testing in the affected area confirms an exposure within acceptable limits.

- 9.3.2 The definition of "rendered harmless" as it relates to hazardous materials means that in any affected area where these materials are present, the exposure concentration of them shall not exceed the Permissible Exposure Level (PEL) as established by the Occupational Safety and Health Administration (OSHA) and/or any other agency having regulations governing the exposure to and handling of these materials. All costs associated with the confirmation of the conditions relating to hazardous materials or substances and whether or not, by definition, they have been rendered harmless, shall be assumed by the Owner. Should it be confirmed that hazardous materials or substances are present in the project area(s), all costs associated with rendering these materials harmless shall be borne by the Owner.

ARTICLE 10 CHANGES IN THE WORK

10.1 MODIFICATIONS

- 10.1.1 Changes in the Work may be accomplished after execution of the Agreement, and without invalidating the Agreement, only by change order, construction change directive, or authorization for a minor change in the Work, subject to the limitations stated in this Article 10 and elsewhere in the Contract Documents. Except as provided in Paragraph 9.2, the Contractor's failure to secure a change order or a construction change directive prior to proceeding with any change in the Work will constitute an irrevocable waiver of any right the Contractor may have to an equitable adjustment of the Contract Sum, Contract Time, or both, on account of the associated change in the Work.
- 10.1.2 A change order is based upon an agreement between the Owner, the Design Professional, and the Contractor after obtaining the Owner's consent. The Owner's consent must be in writing should a change order increase costs by at least 10% of any category total in the final budget or in conjunction with all prior change orders. A construction change directive requires agreement by the Owner and the Design Professional and may or may not be agreed to by the Contractor. A minor change in the work may be authorized by the Owner or Design Professional and need not be agreed to by the Contractor.
- 10.1.3 Unless otherwise provided in the change order, construction change directive, or authorization for a minor change in the Work, the Contractor must promptly perform changes in the Work in accordance with the applicable provisions of the Contract Documents.

10.1.4 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are so changed that application of such unit prices to quantities of Work proposed will cause substantial inequity to the Owner or the Contractor, as determined by the Design Professional, the applicable unit prices will be equitably adjusted.

10.1.5 If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents including, but not limited to, the Contract Sum or the Contract Time is required by any surety providing a bond on behalf of the Contractor, the Contractor is responsible for giving such notice and the amount of each applicable bond must be adjusted accordingly. The Contractor must provide a copy of any such notice to the Owner.

10.2 CHANGE ORDERS

10.2.1 A change order is a written instrument prepared by the Owner and signed by the Owner, Design Professional, and the Contractor stating their agreement upon all of the following:

10.2.1.1 A change in the Work;

10.2.1.2 The total amount of the adjustment in the Contract Sum, if any; and

10.2.1.3 The extent of the total adjustment in the Contract Time, if any.

10.2.2 In no event is the Contractor entitled to reserve any rights or take other similar action with respect to a change order if the effect or intent of such reservation or action would be to accommodate a further adjustment in the Contract Time, Contract Sum, or both after the Contractor executes the change order. By executing a change order, the Contractor irrevocably certifies that the elements of a change order set forth at clauses 10.2.1.1 through 10.2.1.3 are completely satisfied, and waives all rights to seek a further adjustment of the Contract Time, Contract Sum, or both at a later date with respect to the associated change in the Work.

10.2.3 The methods used to determine adjustments in the Contract Sum, are set forth in paragraph 10.3.

10.2.4 The allowance for overhead and profit combined on any Change Order must not exceed 10% of the cost of the Work affected by the Change Order.

10.3 CONSTRUCTION CHANGE DIRECTIVES

10.3.1 A construction change directive is a written order prepared by the Design Professional and signed by the Owner and the Design Professional, directing a change in the Work and stating a proposed basis for adjustment, if any, in the

Contract Sum, Contract Time, or both. By construction change directive, the Owner may order changes in the Work within the general scope of the Contract Documents, consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

- 10.3.2 A construction change directive will be used in the absence of total agreement on the terms of a change order.
- 10.3.3 If the construction change directive provides for an adjustment to the Contract Sum, the adjustment must be based on one of the following methods:
 - 10.3.3.1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
 - 10.3.3.2 Unit prices stated in the Contract Documents or subsequently agreed upon;
 - 10.3.3.3 Costs to be determined in a manner agreed upon by the parties and a mutually accepted fixed or percentage fee; or
 - 10.3.3.4 As provided in paragraph 10.3.6 below.
- 10.3.4 Upon receipt of a construction change directive, the Contractor must promptly proceed with the change in the Work involved and advise the Design Professional of the Contractor's agreement or disagreement with the method, if any, provided in the construction change directive for determining the proposed adjustment in the Contract Sum, Contract Time, or both.
- 10.3.5 Subject to the provisions of subparagraph 10.2.2, a construction change directive signed by the Contractor indicates the agreement of the Contractor therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement will be effective immediately and will be recorded as a change order.
- 10.3.6 If the Contractor does not respond promptly or disagrees with the method for adjustment on the Contract Sum, the Design Professional will determine the method of adjustment on the basis of reasonable expenditures and savings for those performing the Work attributable to the change, including, in case of increases in the Contract Sum, a reasonable allowance for overhead and profit. In such case, and also under paragraph 10.3.3.3 the Contractor must keep and present in such form as the Owner and the Design Professional may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this paragraph 10.3.6 shall be limited to the following:

- 10.3.6.1 Costs of labor, including social security, old age and unemployment insurance, fringe benefits required by agreement or custom, and worker's compensation insurance;
 - 10.3.6.2 Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;
 - 10.3.6.3 Rental costs of machinery or equipment, exclusive of hand tools, whether rented from the Contractor or others;
 - 10.3.6.4 Costs of premiums for all bonds and insurance, permit fees, and sales, use or similar taxes related to the Work; and
 - 10.3.6.5 Additional costs of supervision and field office personnel directly attributable to the change.
- 10.3.7 The amount of credit to the Owner for a deletion or change that results in a net decrease in the Contract Sum must be actual net cost as the Design Professional determines. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit will be figured on the basis of net increase, if any, with respect to that change.
- 10.3.8 When the Owner and the Contractor agree with the adjustments in the Contract Sum and the Contract Time, such agreement will be effective immediately and will be recorded by preparation and execution of an appropriate change order.
- 10.3.9 When either the Owner or the Contractor or both do not agree with the determination made by the Design Professional concerning the adjustment in the Contract Sum or Contract Time, such disagreement must be resolved in the manner prescribed by Article 13.

10.4 AUTHORIZATION FOR MINOR CHANGE IN THE WORK

- 10.4.1 The Owner or Design Professional may authorize minor variations in the Work from the requirements of the Contract Documents that do not involve an adjustment in the Contract Sum or the Contract Time and that are consistent with the overall intent of the Contract Documents. The Design professional will communicate these changes to the Contractor who must perform the Work promptly.
- 10.4.2 If the Contractor reasonably believes that it is entitled to an equitable adjustment of the Contract Sum, Contract Time, or both, on account of an authorization for a minor change in the Work, the Contractor must, at least three (3) days prior to commencing the associated Work, notify the Owner and Design Professional in writing of the Contractor's intention to initiate a claim as a result of the authorization

for a minor change in the Work. The failure to give such notice will constitute an irrevocable waiver of the claim.

ARTICLE 11 UNCOVERING AND CORRECTION OF WORK

11.1 UNCOVERING WORK

11.1.1 If the Contractor covers any Work without the Design Professional's approval or consent or contrary to the Contract Documents, the Contractor must at the Contractor's expense, if the Design Professional requires, uncover the Work for the Design Professional's examination.

11.1.2 Subject to the provisions of subparagraph 11.1.1, the Owner, the Design Professional, or any governmental authority having jurisdiction may order the Contractor to uncover any Work. If such Work is found in accordance with the Contract Documents, the Owner will pay the cost of uncovering and replacement. If such Work is found not in accordance with the Contract Documents, the Contractor must pay such cost.

11.2 CORRECTION OF WORK BEFORE FINAL PAYMENT

11.2.1 The Contractor must promptly remove from the Site all Work that the Design Professional deems to be not in accordance to the Contract Documents, whether incorporated into the Project or not, and the Contractor must promptly replace and re-execute the Work in accordance with the Contract Documents and without expense to the Owner, and must bear the expense of repairing all work of other contractors that was destroyed or damaged by such removal or replacement.

11.2.2 If the Contractor does not remove such condemned Work within a reasonable time, fixed by written notice, the Owner may remove it and may store any removed material at the expense of the Contractor. If the Contractor does not pay the expenses of such removal and storage within ten (10) days' time thereafter, the Owner may, upon an additional ten (10) days' written notice, sell such materials at auction or at private sale, and shall account for the net proceeds thereof, after deducting all the costs and expenses that should have been borne by the Contractor. If proceeds of such sale do not cover the expense the Contractor was required to bear, the Contractor must pay the difference to the Owner.

11.3 CORRECTION OF WORK AFTER FINAL PAYMENT

11.3.1 If, within one (1) year after the date of final payment or such longer period of time as may be prescribed by laws or regulations or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any of the Work is found to not conform to the requirements of the Contract Documents, the Contractor must promptly, without cost to the Owner and in accordance with written instructions from the Owner or the Design

Professional, remove it from the Site and replace it with Work that meets the requirements of the Contract Documents. If the Contractor does not promptly comply with the terms of such instructions or in an emergency where delay would cause serious risk of loss or damage, the Owner may have the nonconforming Work corrected or removed and replaced, and all direct and indirect costs of such correction or removal and replacement including, but not limited to, fees and charges of engineers, architects, attorneys and other professionals shall be paid by the Contractor.

11.4 ACCEPTANCE OF NONCONFORMING WORK

11.4.1 If the Owner prefers to accept Work which does not meet the requirements of the Contract Documents, the Owner may do so in writing instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate. Such adjustment will be effected whether or not final payment has been made.

ARTICLE 12 TERMINATION OF THE AGREEMENT

12.1 TERMINATION BY THE CONTRACTOR

12.1.1 If, through no act or fault of the Contractor, the Owner suspends the Work for a period of more than one hundred eighty (180) days or if the Owner fails to pay the Contractor any sum within sixty (60) days of the date the sum is finally determined to be due, the Contractor may, upon seven (7) days written notice to the Owner, terminate the Agreement and recover from the Owner payment for all Work performed by the Contractor to the date of termination and for proven loss with respect to materials, equipment, tools and construction equipment and machinery, including reasonable overhead but excluding profit and other damages. The provisions of this paragraph do not relieve the Contractor of its obligations to perform the Work in accordance with the Contract Documents and without delay during disputes with the Owner.

12.2 TERMINATION FOR THE CONVENIENCE OF THE OWNER

12.2.1 Upon seven (7) days' written notice to the Contractor, the Owner may, without cause and without prejudice to any other right or remedy it may have, elect to terminate the Agreement. In such case, the Owner will pay the Contractor for all Work that the Contractor satisfactorily performed prior to the date of termination and for proven loss with respect to materials, equipment, tools and construction equipment and machinery, including reasonable overhead but excluding profit and other damages.

12.3 TERMINATION FOR DEFAULT

12.3.1 The Owner may terminate the Agreement for default upon the occurrence of any of the following events as determined by the Owner:

- 12.3.1.1 If the Contractor fails to perform the Work in accordance with the Contract Documents including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, failure to prosecute the Work promptly and diligently, or failure to adhere to the Schedule established in Article 7;
- 12.3.1.2 If the Contractor abandons the Work;
- 12.3.1.3 If a mechanic's or materialmen's lien or claim against funds or notice of lien or claim against funds is filed with the county recorder or served upon the Owner and not properly bonded or insured over by the Contractor in a manner satisfactory to the Owner;
- 12.3.1.4 If the Contractor fails to make prompt payment to Subcontractors or laborers or otherwise breaches an obligation under a Subcontract;
- 12.3.1.5 If the Contractor fails to comply with any requirement of the Contract Documents governing prevailing wages or non-discrimination;
- 12.3.1.6 If the Contractor makes a general assignment for the benefit of creditors;
- 12.3.1.7 If the Contractor violates in any material way any provisions of the Contract Documents;
- 12.3.1.8 If the Contractor admits in writing an inability to pay its debts generally as they become due;
- 12.3.1.9 If a trustee, receiver, custodian, or agent of the Contractor is appointed under applicable law or under contract whose appointment of authority to take charge of property of the Contractor is for the purpose of enforcing a lien against such property or for the purpose of general administration of such property for the benefit of the Contractor's creditors;
- 12.3.1.10 If the Contractor commences a voluntary action under any chapter of the United States Bankruptcy Code as now or hereafter in effect or if the Contractor takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to bankruptcy or insolvency;
- 12.3.1.11 If a petition is filed against the Contractor under any chapter of the United States Bankruptcy Code as now or hereafter in effect at the time of filing or a petition is filed seeking any such equivalent or similar relief

against the Contractor under any other federal or state law in effect at such time relating to bankruptcy or insolvency.

12.3.2 Upon the occurrence of any event of default:

12.3.2.1 The Owner may, after giving the Contractor and its surety three (3) days' written notice, except in the event of an emergency as determined by the Owner in which case the Owner need not give any advance notice, terminate any services of the Contractor, exclude the Contractor from the Site and take possession of the Work and all of the Contractor's tools, appliances, construction equipment, and machinery at the Site and use the same to the full extent they could be used by the Contractor without liability to the Contractor for trespass or conversion, incorporate in the Work all materials and equipment stored at the Site or for which the Owner has paid the Contractor, but which are stored elsewhere and finish the Work as the Owner may deem expedient. If the Owner requests, the Contractor must remove any part or all of its equipment, machinery, and supplies from the Site within three (3) days from the date of such request, and in the event of the Contractor's failure to do so, the Owner will have the right to remove or store such equipment, machinery, and supplies at the Contractor's expense.

12.3.2.2 The Contractor will not be entitled to receive any further payment until the Owner finally completes or accepts all of the Work. If the unpaid balance of the Contract Sum exceeds the direct and indirect costs of completing the Work, including, but not limited to, fees and charges of engineers, architects, attorneys, and other professionals and court costs, then the Contractor will be paid for all Work that the Contractor performed prior to the date of termination, but in no event, an amount greater than such excess. If such costs exceed the unpaid balance, the Contractor must pay the difference to the Owner. The amount of such costs will be determined by the Owner and the Design Professional and incorporated into a change order. When exercising any rights or remedies under this paragraph, the Owner is not required to obtain the lowest prices for the Work.

12.4 RESPONSIBILITY UPON TERMINATION

12.4.1 After the Owner terminates the Agreement, the Contractor must, unless the notice of termination directs otherwise, immediately discontinue the Work on that date, place no further Subcontracts or orders for materials, equipment, services, or facilities, except as may be necessary for completion of such portion of the Work as is not discontinued; promptly make every effort to procure cancellation upon terms satisfactory to the Owner of all orders and Subcontracts to the extent they relate to the performance of a discontinued portion of the Work; and thereafter do only such Work as may be necessary to preserve and protect materials, plants, and equipment on the Site or in transit thereto.

12.4.2 From the effective date of termination until three (3) years after final settlement under the Agreement, the Contractor must preserve and make available to the Owner at all reasonable times at the office of the Contractor, but without charge to the Owner, all of the Contractor's books, records, documents, and other evidence bearing on the Contractor's costs and expenses relating to the Work.

12.5 THE OWNER'S RIGHTS

12.5.1 If the Owner terminates the Agreement, the termination will not affect any of the Owner's rights or remedies against the Contractor then existing or which may thereafter accrue. Any retention or payment of monies due to the Contractor by the Owner will not release the Contractor from liability for performance of the Work in accordance with the requirements of the Contract Documents.

ARTICLE 13 DISPUTE RESOLUTION

13.1 CLAIMS AND DAMAGES

13.1.1 The failure to initiate a claim as provided in the Contract Documents will constitute an irrevocable waiver of the claim.

13.1.2 If for any reason the Contractor wishes to make a claim for an increase in the Contract Sum or Contract Time, other than the claims for adjustment in Contract Time that are described in Paragraph 7.3, which claims shall be handled in accordance therewith, the Contractor must initiate a claim by giving written notice of the claim to the Owner and Design Professional within twenty-one (21) days after the occurrence of the event giving rise to the claim. Within a reasonable period of time not to exceed ninety (90) days after it gives written notice of a claim to the Owner and the Design Professional, the Contractor must substantiate its claim with such documentation as the Owner or Design Professional requires. After evaluating the Contractor's substantiating documentation, the Design Professional may either accept the claim or reject the claim. In the event that the Design Professional rejects the claim, the claim will become subject to the dispute resolution procedures set forth elsewhere in these General Conditions.

13.1.3 The Owner and the Contractor must initially refer to the Design Professional in writing with a copy to the other party, all claims, disputes, and other matters in question relating to the execution or progress of the Work, the interpretation of the requirements of the Contract Documents, or requests for and changes in the Contract Sum or Contract Time. The Design Professional will issue a recommendation regarding the claim or request in writing within a reasonable time after the presentation of evidence.

13.1.3.1 The Design Professional's issuance of a recommendation in writing with respect to any request, claim, dispute, or other matter, except any that have

been waived by the making or acceptance of final payment as provided in paragraph 8.12, is a condition precedent to the parties' rights to proceed to mediation or litigation; provided, however, that if the Design Professional has not rendered a decision within twenty (20) days after the parties have presented their evidence or been given a reasonable opportunity to do so, the parties may then proceed to mediation or litigation in the absence of the Design Professional's decision.

13.1.3.2 Notwithstanding any other provision of the Contract Documents to the contrary, the Contractor must continue to perform the Work and adhere to the Contractor's Construction Schedule and the Project Time Schedule during all disputes or disagreements with the Owner. Except with written consent of the Owner and Design Professional, the Contractor must not delay or postpone any Work pending the resolution of any disputes or disagreements.

13.2 LITIGATION

13.2.1 All claims, disputes, or controversies arising out of or relating to the Project or to the Contract Documents or the breach thereof, except for any that have been waived as provided elsewhere in these General Conditions, must be brought only in the Common Pleas Court of Summit County, Ohio. The Contractor and Owner consent to the exclusive jurisdiction and venue of that court.

13.2.2 All litigation arising out of or relating to the Project or to the Contract Documents or to the breach thereof must include as a party by consolidation, joinder or joint filing, any additional person or entity not a party to the Contract Documents to the extent necessary for the final resolution of the matter in controversy.

13.2.3 The Contractor must include provisions similar to Subparagraphs 13.2.1 through 13.2.3 in each of its subcontracts and purchase orders and must provide that similar provisions be included in all sub-subcontracts.

13.3 CLAIMS FOR CONSEQUENTIAL DAMAGES

13.3.1 The Owner and the Contractor waive consequential damages for claims, disputes or other matters in question arising out of or relating to this Agreement. This mutual waiver includes: (1) damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and (2) damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit except anticipated profit arising directly from the Work. This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination. This mutual waiver, however, is not to be deemed to preclude an award of

liquidated damages, when applicable, in accordance with the terms of the Contract Documents.

ARTICLE 14 GENERAL PROVISIONS

14.1 NONDISCRIMINATION

14.1.1 The Contractor and all Subcontractors must not discriminate in any manner in the performance of the Contract by reason of race, handicap, color, religion, sex, age, national origin, disability, or any other factor as specified in Title VI of the Civil Rights Act of 1964 or Section 504 of the Rehabilitation Act of 1983 and all subsequent amendments. The Contractor must comply with the provisions of Ohio Revised Code Section 153.59 and 153.60 relative to discrimination and intimidation of employees and must comply with any and all policies and procedures of the Owner relating to discrimination and intimidation and any other applicable laws or regulations relating thereto. All solicitations or advertisements for employees placed by or on behalf of the Contractor or a Subcontractor must state that the Contractor or Subcontractor is an equal opportunity employer. The Contractor must cause this nondiscrimination provision to be included in every Subcontract entered into with regard to the Work.

14.2 PREVAILING WAGES

14.2.1 The Contractor and all Subcontractors must comply with all applicable Ohio and local prevailing wage requirements and must pay each laborer, workman, and mechanic employed by them not less than the prevailing rates of wages as determined by the Ohio Department of Industrial Relations. The Contractor must coordinate, compile, and submit to the Owner all documentation as and when required to comply with the applicable requirements for the Contractor and all Subcontractors. The Contractor must cause this prevailing wage provision to be included in every Subcontract entered into with regard to the Work.

14.3 ANTI-KICKBACK ACT

14.3.1 The Contractor and all Subcontractors must comply with the Copeland Anti-Kickback Act, 18 USC 874, and any applicable regulations issued by the United States Department of Labor, including, but not limited to, 29 CFR Part 3.

14.4 SUCCESSORS AND ASSIGNS

- 14.4.1 The Owner and the Contractor each bind themselves, their successors, assigns, and legal representatives to the other party hereto, their partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.
- 14.4.2 Neither party to the Contract shall assign the Contract or sublet it as a whole without the written consent of the other, nor shall the Contractor assign any moneys due or to become due hereunder without the Owner's prior written consent.

14.5 COMMENCEMENT OF STATUTORY LIMITATION PERIOD

- 14.6.1 Regardless of any provision to the contrary, the statute of limitations with respect to any defective or nonconforming Work which is not discovered by the Owner will not commence until the discovery of such defective or nonconforming Work.

14.6 NOTICES

- 14.6.1 All notices to be given pursuant to the Contract Documents must be in writing and will be deemed to have been given and served when delivered in person, by facsimile evidenced by a confirmation of transmission, or by certified mail to the appropriate representative as set forth in the Agreement.

14.7 GOVERNING LAW & ENFORCEABILITY

- 14.7.1 The Contract Documents shall be interpreted and enforced in accordance with the laws of the State of Ohio.
- 14.7.2 The failure of the Owner to insist in any one or more instances upon the strict performance of any one or more of the provisions of the Contract Documents or to exercise any right herein contained or provided by law is not to be construed as a waiver or relinquishment of such provision or right or of the right to subsequently demand such strict performance or exercise such right and the rights will continue unchanged and remain in full force and effect.
- 14.7.3 If any clause of this Agreement is held as a matter of law to be unenforceable or unconscionable, the remainder of this Agreement is enforceable without such clause.

Contract No. _____

**AGREEMENT BETWEEN
THE SUMMIT COUNTY COMBINED GENERAL HEALTH DISTRICT
AND THE CONTRACTOR**

This Agreement is made this _____ day of October, 2019.

By and between:

Summit County Combined General Health District
1867 W. Market Street
Akron, Ohio 44313

and the Contractor (*full name, address, and tax-payer ID*):

For the Project (*name and location*):

Fairway Storm and Sanitary Sewer Improvement Project
1867 W. Market St.
Akron, Ohio 44313

The Work generally consists of but is not limited to:

Replacement of sanitary sewer lateral and some interior sewer lines, installation of storm water control structures and the expansion of parking facilities.

The Design Professional is (*full name and address, if applicable*):

DLZ Architecture, Inc.
1 Canal Square Plaza, Suite 1300
Akron, Ohio 44308

The Owner and the Contractor agree as set forth below.

ARTICLE 1 CONTRACT DOCUMENTS

- 1.1** The Contract Documents represent the entire and integrated agreement between the Owner and the Contractor and supersede all prior negotiations, representations or agreements, either written or oral; provided, however, if not incorporated herein, the Contract shall also be deemed to include to the extent necessary all applicable provisions of any pertinent law, rule, regulation, or ordinance in effect on the date of the Agreement. The Contract Documents may be amended only by written instrument as set forth in the General Conditions. An enumeration of the Contract Documents is provided in Exhibit 1.

ARTICLE 2 THE WORK

- 2.1** The Contractor must furnish in a good, workmanlike, and timely manner, strictly in accordance with the Contract Documents, all labor, materials, tools, equipment, supervision and services necessary to prosecute and complete in all respects the Work identified in the Contract Documents.

ARTICLE 3 CONTRACT SUM

- 3.1** Subject to all of the other provisions of the Contract Documents, the Owner will pay to the Contractor for the due and full performance of the Work, the sum of _____ (\$ _____) (the "Contract Sum").

ARTICLE 4 PAYMENTS

- 4.1** The Owner will make monthly progress payments to the Contractor in accordance with the provisions of the Contract Documents for the period ending the last day of each month.
- 4.2** The Contract Sum will be apportioned to the major components of the Work as provided in the Contract Documents.
- 4.3** Retainage Provision. Subject to the provisions of the Contract Documents, progress payments made for any and all construction costs, labor and materials shall be subject to 5% retainage which shall be held in escrow until the conditions in Paragraph 4.4 are satisfied.
- 4.4** All funds retained pursuant to Paragraph 4.3 for the performance of the Work in accordance with the requirements of the Contract Documents will be deposited in an escrow account. When the major portion of the Project is substantially completed and occupied, or in use, or otherwise accepted, and there exists no other reason pursuant to the Contract Documents to withhold retainage, the retained funds will be released from escrow and paid to the Contractor, withholding only that amount necessary to assure completion of the Work pursuant to the Contract Documents. Funds in the escrow account not heretofore paid, with accumulated interest, will be paid to the Contractor thirty (30) days from the date of final completion and acceptance by the Owner. The Contractor hereby agrees and consents to the bank or building and loan association selected by the Owner for the escrow account and authorizes the Owner to establish the fee, if any, to be paid the escrow agent from the income of the escrow account.

- 4.5 When progress payment is made on account of material delivered on the Site of in the vicinity thereof or under the possession or control of the Contractor but not yet incorporated into the Work, such material will become the property of the Owner, but if such material is stolen, lost, or damaged by casualty before being used, the Contractor will replace it at its own expense.
- 4.6 Final payment will be made as provided in the Contract Documents.
- 4.7 The amount needed to pay this obligation has been lawfully appropriated for such purpose and is in the treasury or in process of collection to the credit of the appropriate fund free from any previous or outstanding obligations.
- 4.8 Use of proceeds from Project Fund. The proceeds in the Project Fund shall be disbursed for the following uses: costs of acquiring, constructing and equipping the Project in accordance with the Contract Documents.

ARTICLE 5 CONTRACT TIME

- 5.1 All time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work. The Owner, however, does not warrant that the Work can be completed within the Contract Time and the Contractor assumes the sole risk of performing within the specified time.
- 5.2 The Contractor must start to perform the Work within seven (7) days after receiving the Owner's Notice to Proceed and must achieve substantial completion of the Work in accordance with the requirements of the Contract Documents by December 15, 2019 for Phase I and May 31, 2020 for Phase II.
- 5.3 In the event of delay in the performance of the Work by the Contractor, the parties acknowledge that it would be difficult, if not impossible, to determine the actual damages to the Owner. Consequently, the parties agree that as liquidated damages and not as a penalty, the Contractor must pay or credit to the Owner the amount of \$500.00 per day for each day beyond the Contract Time that the Contractor fails to achieve substantial completion in accordance with the requirements of the Contract Documents.
- 5.4 The Contractor must execute such portions of the Work as may be required to enable others promptly to engage in and carry on their work on the Project in a timely manner. The Contractor understands that it and its Subcontractors may be required to work in congested areas or in a sequence not originally contemplated.
- 5.5 The Contractor must furnish sufficient forces, supervision, equipment and materials in compliance with the requirements of the Contract Documents.
- 5.6 The Contractor must perform all of its Work between the hours of 7:00 a.m. and 5:00 p.m. local time on Monday through Sunday unless the parties agree otherwise to meet specific

goals or targets. The Contractor must obtain the Owner's written permission before performing any Work during other hours or on other days or both. If the Owner grants such permission, the Contractor must reimburse the Owner for all of the Owner's associated expenses.

ARTICLE 6 INSURANCE AND BOND

6.1 The Contractor must carry the insurance and provide the bond specified in Exhibit 2.

ARTICLE 7 REPRESENTATIVES

7.1 The parties must communicate with each other through their respective representatives as identified below. Each representative is authorized to act on behalf of the party which the representative represents. Except as provided in Subparagraph 3.9.1 of the General Conditions, a party may change its representative by providing written notice of the change to the other party and, if applicable, the Design Professional.

7.2 The name, address, telephone number, and fax number of the Owner's representative are as follows:

Summit County Combined General Health District
Eddie Mink, Facilities Supervisor
1867 W. Market Street
Akron, Ohio 44313
(330) 926-5771

7.3 The Contractor's superintendent is the Contractor's representative. The name, address, telephone number, and fax number of the Contractor's superintendent are as follows:

7.4 *(If applicable)* The name, address, telephone number, and fax number of the Design Professional's representative are as follows:

DLZ Architecture, Inc.
Peter Neugebauer, Project Manager
1 Canal Square Plaza, Suite 1300
Akron, Ohio
(330) 923-0401 X616

ARTICLE 8 GENERAL

- 8.1 Unresolved Findings of Recovery. Pursuant to Ohio Revised Code §9.24, Company represents and warrants that no unresolved findings of recovery have been issued against Company by the Auditor of the State of Ohio.
- 8.2 Compliance. Vendor agrees that in the hiring of employees for the performance of work under this Agreement, the Vendor, its subcontractors, or any person acting on a Vendor's or its subcontractor's behalf, by reason of race, creed, sex, disability, military status as defined in section 4112.01 of the Ohio Revised Code, color, gender identity as defined in Section 101.02(f) in the Codified Ordinances of the County of Summit and sexual orientation as defined in Section 101.02(r) in the Codified Ordinances of the County of Summit, shall not discriminate against any citizen of the state in the employment of labor or workers who are qualified and available to perform the work to which the employment relates. Vendor further agrees that Vendor, its subcontractors, or any person on a Vendor's or its subcontractor's behalf, in any manner, shall not discriminate against or intimidate any employee hired for the performance of work under this Agreement on account of race, creed, sex, disability, military status as defined in section 4112.01 of the Ohio Revised Code, color, gender identity as defined in Section 101.02(f) in the Codified Ordinances of the County of Summit and sexual orientation as defined in Section 101.02(r) in the Codified Ordinances of the County of Summit. Vendor certifies it does not maintain and it will not permit its employees from performing services at any segregated facilities.

ARTICLE 9 CONTRACT AUTHORIZATION FROM BOARD OF HEALTH

- 9.1 The Board of Health shall consider a resolution awarding the Agreement to the successful bidder (if any) which authorizes the Health Commissioner to sign this Agreement on behalf of the District. No contract shall be deemed to be created and exist, unless and until the District: 1) adopts a resolution awarding this Agreement to Contractor; 2) authorizes the Health Commissioner to execute this Agreement; and 3) the Health Commissioner has signed the Contract Documents.

This Agreement is entered into as of the date first written above.

**SUMMIT COUNTY COMBINED GENERAL
HEALTH DISTRICT
Donna R. Skoda
Health Commissioner**

CONTRACTOR *(Signature)*

Date _____

(Printed name and title)

Tax ID # _____

Tax ID # _____

APPROVED AS TO FORM:

(Date)

EXHIBIT 1

CONTRACT DOCUMENTS

The Contract Documents consist of:

1. Agreement, pages C-1 through C-16.
2. Instructions to Bidders, pages B-1 through B-6.
3. Form of Proposal, pages P-1 through P-13.
4. General Conditions of the Contract, pages G-1 through G-44.
5. Supplementary General Conditions listed herein:

-
6. Specifications listed herein (*attach additional pages as necessary*):

<i>Date</i>	<i>Section</i>	<i>Title</i>
7/12/19	S1-S24	DETAILED SPECIFICATIONS
9/6/19	W1-W126	PREVAILING WAGE

7. Drawings listed herein (*attach additional pages as necessary*):

<i>Date</i>	<i>Number</i>	<i>Title</i>
9/6/19	C0000	COVER SHEET
9/6/19	C0101	EXISTING CONDITIONS PLAN
9/6/19	C0201	DEMOLITION PLAN, PHASED PER PLAN
9/6/19	C0301	OVERALL SITE PLAN, PHASED PER PLAN
9/6/19	C0302	PARKING LOT SITE PLAN, PHASE II
9/6/19	C0401	OVERALL GRADING PLAN, PHASE II
9/6/19	C0402	PARKING LOT ENLARGED GRADING PLAN, PHASE II
9/6/19	C0403	REGRADE AREAS ENLARGED PLAN, PHASE II
9/6/19	C0501	OVERALL STORM SEWER PLAN, PHASE II
9/6/19	C0502	STORM SEWER PLAN AND PROFILE STA. 20+00 TO 25+50, PHASE II
9/6/19	C0503	STORM SEWER PLAN AND PROFILE STA. 25+50 TO 29+00, PHASE II
9/6/19	C0504	STORM SEWER PLAN AND PROFILE 29+00 TO 34+00, PHASE II
9/6/19	C0505	STORM DETENTION CALCULATIONS
9/6/19	C0506	STORM SEWER PLAN AND PROFILE STA. 34+00 TO 38+00, PHASE II
9/6/19	C0507	STORM SEWER PLAN AND PROFILE STA. 38+00 TO 41+30, PHASE II

9/6/19	C0601	SANITARY SEWER PLAN AND PROFILE STA. 0+00 TO 4+00, PHASE II
9/6/19	C0602	SANITARY SEWER PLAN AND PROFILE 4+00 TO 9+00, PHASED PER PLAN
9/6/19	C0603	SANITARY SEWER PLAN AND PROFILE 9+00 TO 12+00, PHASE I
9/6/19	C0701	SITE DETAILS
9/6/19	C0702	PAVEMENT DETAILS
9/6/19	C0703	PAVEMENT JOINT DETAILS
9/6/19	C0704	SEWER DETAILS
9/6/19	C0705	SEWER DETAILS
9/6/19	C0706	SEWER AND RAIN-GARDEN DETAILS
9/6/19	C0707	CITY OF AKRON SEWER DETAILS
9/6/19	C0708	CITY OF AKRON SEWER AND PAVEMENT RESTORATION DETAILS
9/6/19	C0801	PRE-DEVELOPED STORM WATER POLLUTION PREVENTION PLAN
9/6/19	C0802	POST-DEVELOPED STORM WATER POLLUTION PREVENTION PLAN
9/6/19	C0803	SEDIMENT BASIN PLAN, NOTES AND DETAILS
9/6/19	C0804	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
9/6/19	C0805	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
9/6/19	C0806	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
9/6/19	C0807	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
9/6/19	C0901	MAINTENANCE OF TRAFFIC PHASE I
9/6/19	C0902	MAINTENANCE OF TRAFFIC PHASE I
9/6/19	C0903	MAINTENANCE OF TRAFFIC PHASE II
9/6/19	C0904	MAINTENANCE OF TRAFFIC PHASE II
9/6/19	C0905	MAINTENANCE OF TRAFFIC NOTES AND DETAILS
9/6/19	L0101	DRY EXTENDED DETENTION BASIN PLANTING PLAN
9/6/19	E0101	ELECTRICAL AND SITE LIGHTING PLAN, PHASE II
9/6/19	E0102	SANITARY SEWER EMERGENCY ALERT PLAN, PHASE I
9/6/19	P0100	PLUMBING SANITARY PLANS, PHASE I
9/6/19	P0101	PLUMBING ROOF PLAN – AREA B, PHASE II
9/6/19	P0102	PLUMBING STORM PIPING – AREA B, PHASE II
9/6/19	P0103	PLUMBING SECTIONS AND DETAILS, PHASE II

8. Addenda (*attach additional pages as necessary:*

<i>Date</i>	<i>Number</i>	<i>Title</i>
_____	_____	_____
_____	_____	_____
_____	_____	_____

9. Other (*attach additional pages as necessary:*

EXHIBIT 2

SCHEDULE OF INSURANCE AND BOND REQUIREMENTS

Prior to the commencement of any Work, the Contractor, at its own expense, shall obtain the following insurance and bond to be maintained until the completion of the Work or its final acceptance, whichever is later, except as set forth below.

Insurance

1. Workers Compensation and Employers Liability- Workers Compensation for all statutory obligations imposed by state law; Employers Liability Insurance with limits of not less than \$1,000,000 bodily injury each accident, \$1,000,000 bodily injury by disease each employee.
2. Commercial General Liability- Commercial General Liability (CGL) insurance covering the Work with limits of liability of not less than One Million Dollars (\$1,000,000) each occurrence. If such insurance contains a general aggregate limit, it shall apply separately to this project. This coverage shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract including the tort liability of another assumed in a business contract. Contractor may purchase Umbrella or Excess Liability insurance excess of a CGL limit that it less than \$1,000,000 provided the sum total of the CGL and Umbrella/Excess Liability limits applicable to the Work is not less than \$1,000,000.

Owner shall be included as an additional insured under the CGL insurance (and Umbrella/Excess Liability insurance if purchased) using ISO additional insured endorsement CG 20 10 or a substitute providing equivalent coverage. Such CGL and Umbrella/Excess Liability insurance shall be maintained for at least three (3) years following substantial completion of the Project, including Products and Completed Operations coverage.

3. Commercial Auto Liability- Commercial Auto Liability with a combined single limit bodily injury and property damage of not less than One Million Dollars (\$1,000,000) each accident. This insurance shall cover liability arising out of any auto, including owned, non-owned and hired autos.
4. Excess or Umbrella Liability- Excess or Umbrella Liability with limits of liability of not less than Three Million Dollars (\$3,000,000). Such coverage shall be excess of the CGL, all coverage parts, and the Commercial Auto Liability, all coverage parts except, as determined in Contractor's discretion, Uninsured Motorists/Underinsured Motorists coverage.

5. Proof and Purchase of Coverage- Certificates of coverage indicating the Project and evidencing all required coverages must be submitted to and approved by the Owner prior to the commencement of any Work. All insurance purchased by Contractor pursuant to this agreement shall be purchased from insurers deemed acceptable to Owner. If Owner deems an insurer of Contractor or any subcontractor as unacceptable, Contractor or subcontractor, as the case may be, shall within thirty (30) days of receipt of written notice from Owner, replace such policy or policies with insurance issued by an insurer acceptable to Owner. The failure of Contractor or any subcontractor to purchase and maintain the insurance required in this agreement may result in the termination of the agreement, at Owner's option. If Contractor or any subcontractor fails to purchase and maintain the insurance required by this agreement, Owner shall have the right but not the obligation to purchase said insurance at Contractor's or subcontractor's expense, as the case may be.
6. Notice, Cross Liability-All insurance purchased by Contractor pursuant to this agreement (a) shall expressly require that the coverage afforded shall not be canceled, reduced, materially modified, or non-renewed until at least thirty (30) days prior to written notice has been given to the Owner via certified mail, and (b) shall contain standard separation of insured provisions, or otherwise be endorsed to provide cross-liability coverage.
7. Contractors Equipment Insurance, Other-Contractor may purchase and maintain, at its own expense, for the duration of the Project such other Contractors Equipment, Inland Marine, Property or Contractors Floater insurance it deems necessary or appropriate for protection against loss of owned or rented capital equipment, facilities and tools, including any tools owned by mechanics and any tools, equipment scaffolds, bracing, stagings, towers, forms and similar items owned or rented by it or its subcontractors. The Owners shall have no liability with respect to such equipment, facilities and tools. Failure of the Contractor to purchase and maintain such insurance or to maintain adequate levels of coverage shall not obligate the Owner, its agents, or employees for any losses of contractor-owned or rented equipment. If Contractor purchases the insurance described in this paragraph, the insurance policy(ies) shall include a waiver of subrogation stating that in no event shall the issuing insurance company have any right of recovery, claim or set-off against the Owner, its agents or employees.

The Contractor's coverage or limits may not be adequate or sufficient to protect Contractor or subcontractor. Such insurance coverage, terms and conditions shall not be deemed to be a limitation on Contractor's or subcontractor's liability under the indemnification rights granted to Owner under this agreement.
8. Builders Risk, Waiver of Subrogation-Owner shall purchase Builders Risk insurance for the full value of the Project. Owner will absorb all losses coming within policy deductibles not covered by such Builders Risk insurance. The Builders Risk insurance shall list as additional insureds the Contractor, and all subcontractors performing any portion of the Work. Owner and Contractor hereby waive all rights

against each other and any of their subcontractors, sub-subcontractors, agents and employees, each of the other, for damages caused by fire or other causes of loss to the extent covered by the Builders Risk insurance purchased by Owner pursuant to this paragraph 8. Owner or Contractor, as appropriate, shall require of the contractors, subcontractors, and sub-subcontractors, and agents and employees of each of them, by appropriate written agreements, similar waivers each in favor of the other parties enumerated herein. The Builders Risk policy shall provide such waivers of subrogation by endorsement or otherwise. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, was not responsible for the payment of the insurance premium, directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged. Such waivers of subrogation discussed herein shall apply only as respects property insured under or pursuant to the Builders Risk insurance policy.

9. Property Insurance, Waiver of Subrogation- Owner shall purchase and maintain Property insurance on the buildings and premises currently existing and owned by the Owner that are to be subject to alterations or the performance of Work pursuant to this Agreement. Owner shall absorb all losses coming within the policy deductible not covered by such Property insurance. Owner and Contractor hereby waive all rights against each other and any of their subcontractors, agents and employees, each of the other, for damages caused by fire or other causes of loss to the extent covered by the Property insurance purchased and maintained by Owner. Owner or Contractor, as appropriate, shall require of the contractors, subcontractors, and sub-subcontractors, and agents and employees of each of them, by appropriate written agreements, similar waivers each in favor of other parties enumerated herein. Such Property insurance purchased and maintained by Owner shall permit such pre-loss waiver of subrogation by endorsement or otherwise, and operate to waive all subrogation rights of the insurer as respects the parties enumerated. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, was not responsible for the payment of insurance premium directly or indirectly, and whether or not the person or entity has an insurable interest in the property damaged. Such waivers of subrogation discussed herein shall apply only as respects property insured under or pursuant to the Property insurance policy purchased and maintained by Owner.
10. Construction Management Errors and Omissions-If and to the extent that Contractor may perform or provide any construction management activities, Contractor shall purchase and maintain for the duration of the Project and for a period of three (3) years following substantial completion of Work, such liability insurance covering Contractor's construction management professional liability exposures, including without limitation exposures relating to or arising out of Project coordination, inspection, supervision, or quality control activities, with limits of not less than One Million Dollars (\$1,000,000) each occurrence in the aggregate.

Performance and Payment Bond

1. Contractor must furnish and include the cost of same in its proposal, a bid guaranty and performance bond in accordance with Ohio law, covering the faithful performance of the Contract and the payment of all obligations arising hereunder. The performance and payment bond must meet the following requirements:
 - a. Executed by a surety or sureties licensed to conduct business in the State of Ohio and satisfactory to the Owner.
 - b. If signed by an agent, accompanied by a certified copy of the authority to act.
 - c. In the form provided by Section 153.547(A) of the Ohio Revised Code
 - d. In an amount equal to One Hundred Percent (100%) of the Contract Sum.
 - e. The Bond must remain in force for a period of one (1) year from and after the completion of the Work and its acceptance by the Owner.
 - f. Name the Owner as obligee.
2. If the surety on any bond furnished by the Contractor is declared bankrupt or becomes insolvent or its right to conduct business is terminated in any state, the Contractor will have five (5) days thereafter to substitute another bond and surety acceptable to the Owner.

CONTRACT BOND

(Section 153.57 Ohio Revised Code)

KNOW ALL MEN BY THESE PRESENT, that we, the undersigned _____

(Insert full name and address or legal title of Contractor)

as Principal and _____
(Full name or legal title of Surety)

as Surety, are hereby held and firmly bound unto _____

(Full name or legal title of Owner)

hereinafter called the Obligee, in the penal sum of _____
dollars, (\$ _____), for the payment of which well and truly to be made, we
hereby joint and severally bind ourselves, our heirs, executors, administrators, successors, and
assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named
Principal did on the _____ day of _____, 20____
file with the Obligee, a proposal for the erection and completion of:

NOW, THEREFORE, after the awarding of the said contract in accordance with the proposal,
plans, details, specifications and bills of material, which said proposal and contract are made a
part of this Bond the same as though set forth herein; and faithfully perform each and every
condition of such contract; and indemnify the Obligee against all damage suffered by failure to
perform such contract according to the provisions thereof and in accordance with the plans,
details, specifications and bills of material therefore; and pay all lawful claims of subcontractors,
materialmen and laborers, for labor performed or material furnished in carrying forward,
performing or completing of said contract, we agreeing and assenting that this undertaking shall
be for the benefit of any subcontractor, materialmen or laborer having a just claim, as well as for
the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full
force and effect; it being expressly understood and agreed that the liability of the Surety for any
and all claims hereunder shall in no event exceed the penal amount of this obligation as herein
stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions or additions in
or to the terms of said contract or in or to the plans and specifications therefore shall in any ways

affect the obligations of said Surety on this bond, and it does hereby waive notice of any modifications, omissions or additions to the terms of the contract or to the work or to the specifications.

SIGNED AND SEALED this _____ day of _____, 20____.

Principal

By: _____

Title: _____

Surety

By: _____
Attorney-in-Fact

Surety Company Address

Surety Agent's Name & Address

I, _____,
(Name of Person Signing Affidavit) (Title)

(Project and Location)

I further certify that no rebates or deductions for any wages due any person have been directly or indirectly made other than those provided by law.

Sworn to and subscribed in my presence this _____ day of _____, 20____.

The above affidavit must be executed and sworn to by the officer or agent or the Contractor or Subcontractor who supervises the payment of employees, before the owner will release the surety and/or make a final payment due under the terms of the Contract.

NOTICE TO LABOR UNIONS OR OTHER ORGANIZATIONS OF WORKERS

NON-DISCRIMINATION IN EMPLOYMENT

To: _____
(Name of Union or Organization of Workers)

The undersigned currently holds contracts with the Summit County Combined General Health District, involving funds or credit of the U.S. Government or (1) subcontract(s) with a prime Contractor holding such contracts(s). You are advised that under the provision of the above contract(s) and in accordance with Executive Order 11246, section 202, dated September 28, 1965, the undersigned is obliged not to discriminate against any employee or applicant for employment because of race, color, creed, or national origin. This obligation not to discriminate in employment includes, but is not limited to the following:

HIRING, PLACEMENT, UPGRADING, TRANSFER OR DEMOTION,
RECRUITMENT, ADVERTISING, OR SOLICITATION FOR EMPLOYMENT
TRAINING DURING EMPLOYMENT, RATE OF PAY OR OTHER FORMS OF
COMPENSATION, SELECTION FOR TRAINING INCLUDING APPRENTICESHIP,
LAYOFF OR TERMINATION.

This notice is furnished to you pursuant to the provisions of the above contract(s) or subcontract(s) and Executive Order No. 11246.

Copies of this notice will be posted by the undersigned in conspicuous places available to employees or applicants for employment.

(Contractor or Subcontractor)

SUMMIT COUNTY COMBINED GENERAL HEALTH DISTRICT

=====CHANGE ORDER FORM=====

Additional Work Order No.: _____

Credit Order No.: _____

Change Order No.: _____

Contractor:

Name & Address: _____

Project: _____

Description of Work: _____

Original Contract \$ _____

Previous Additions \$ _____

Subtotal \$ _____

Previous Credits \$ _____

Subtotal \$ _____

This Addition \$ _____

% Change + _____

This Credit \$ _____

% Change - _____

Adjusted total _____

To date \$ _____

Cumulative %

Of Change _____

Approved by: _____

Contractor: _____

Date: _____

Architect: _____

Date: _____

Facility. Mgr: _____

Date: _____

Director: _____

Date: _____

*

* The above is hereby accepted and is
* submitted for approval and is to be
* made part of this contract:

*

* Approved by Health Commissioner:

*

*

*

*

Date: _____

The Fiscal Officer has hereby authorized P.O. No. _____ in the amount of \$ _____

Date: _____ by:

Angela Burgess, Fiscal Officer

**REVISED CODE S1311.252
NOTICE OF COMMENCEMENT OF A
PUBLIC IMPROVEMENT**

State of Ohio)
)ss:
County of Summit)

_____ (The "Affiant"), being first duly sworn, says that:

1. Affiant is the _____ of the Summit County Combined General Health District.

2. The Public Authority will be commencing a public improvement Project as follows:

3. The following lists the name, address and trade of each of the principal contractors working on the public improvement:

NAME	ADDRESS	TRADE
------	---------	-------

4. The following lists the name and address of the sureties for all of those principal contractors:

PRINCIPAL CONTRACTOR	NAME OF SURETY	ADDRESS OF SURETY
----------------------	----------------	-------------------

5. For the purpose of serving an affidavit pursuant to Revised Code S1311.26, service may be made upon the following representative of the Public Authority: Donna R. Skoda, Health Commissioner at 1867 W. Market Street, Akron, OH 44313.

Affiant

SWORN TO before me and subscribed in my presence this _____ day of _____
20____.

Notary Public

Seal

Detailed Specifications

The Summit County Combined General Health District

Fairway Storm and Sanitary Sewer Improvement Project

1867 West Market Street

Akron, Ohio 44313

SECTION 02 41 19 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Demolition and removal of selected portions of building or structure.

1.2 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Detach items from existing construction and deliver them to Owner.
- C. Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.
- D. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

1.3 SUBMITTALS

- A. Schedule of Selective Demolition Activities: Indicate detailed sequence of selective demolition and removal work, with starting and ending dates for each activity, interruption of utility services, use of elevator and stairs, and locations of temporary partitions and means of egress.
- B. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

1.4 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.
- B. Requirements for Building Reuse:
 - 1. Maintain existing building structure (including structural floor and roof decking) and envelope (exterior skin and framing, excluding window assemblies and nonstructural roofing material) not indicated to be demolished; do not demolish such existing construction beyond indicated limits.

- C. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- D. Standards: Comply with ANSI A10.6 and NFPA 241.

1.5 PROJECT CONDITIONS

- A. Owner will be occupying the facility during construction.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Owner of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: Any existing suspected hazardous materials will be removed prior to Contractor possession. It is not expected that hazardous materials will be encountered in the Work.
 - 1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Owner will remove hazardous materials under a separate contract.
- E. Storage or sale of removed items or materials on-site is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
 - 1. Maintain fire-protection facilities in service during selective demolition operations.

1.6 WARRANTY

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

- B. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.
- C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- D. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.

3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems: Maintain services/systems indicated to remain and protect them against damage during selective demolition operations.
- B. Service/System Requirements: Locate, identify, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.
 - 1. Arrange to shut off indicated utilities with utility companies.
 - 2. Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing.

3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
- C. Temporary Shoring: Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.

3.4 SELECTIVE DEMOLITION

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.

2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 3. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
- B. Reuse of Building Elements: Project has been designed to result in end-of-Project rates for reuse of building elements as follows. Do not demolish building elements beyond what is indicated on Drawings without Architect's approval.
- C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

3.6 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 02 41 19

SECTION 03 30 53 - MISCELLANEOUS CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes cast-in-place concrete, including reinforcement, concrete materials, mixture design, placement procedures, and finishes.
- B. Related Sections:

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Other Action Submittal:
 - 1. Design Mixtures: For each concrete mixture.

1.4 QUALITY ASSURANCE

- A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.
- B. Comply with the following sections of ACI 301, unless modified by requirements in the Contract Documents:
 - 1. "General Requirements."
 - 2. "Formwork and Formwork Accessories."
 - 3. "Reinforcement and Reinforcement Supports."
 - 4. "Concrete Mixtures."
 - 5. "Handling, Placing, and Constructing."
- C. Comply with ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

PART 2 - PRODUCTS

2.1 FORMWORK

- A. Furnish formwork and formwork accessories according to ACI 301.

2.2 STEEL REINFORCEMENT

- A. Plain-Steel Wire: ASTM A 82/A 82M, as drawn.
- B. Plain-Steel Welded Wire Reinforcement: ASTM A 185/A 185M, fabricated from as-drawn steel wire into flat sheets.

2.3 CONCRETE MATERIALS

- A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source throughout Project:
 - 1. Portland Cement: ASTM C 150, Type I. Supplement with the following:
 - a. Fly Ash: ASTM C 618, Class C or F.
 - b. Ground Granulated Blast-Furnace Slag: ASTM C 989, Grade 100 or 120.
- B. Normal-Weight Aggregate: ASTM C 33, graded, 1-1/2-inch nominal maximum aggregate size.
- C. Water: ASTM C 94/C 94M.

2.4 ADMIXTURES

- A. Air-Entraining Admixture: ASTM C 260.
- B. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
 - 1. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.
 - 2. Retarding Admixture: ASTM C 494/C 494M, Type B.
 - 3. Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type D.
 - 4. High-Range, Water-Reducing Admixture: ASTM C 494/C 494M, Type F.
 - 5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type G.
 - 6. Plasticizing and Retarding Admixture: ASTM C 1017/C 1017M, Type II.

2.5 RELATED MATERIALS

- A. Vapor Retarder: Plastic sheet, ASTM E 1745, Class A or B.
- B. Vapor Retarder: Polyethylene sheet, ASTM D 4397, not less than 10 mils thick; or plastic sheet, ASTM E 1745, Class C.
- C. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber, or ASTM D 1752, cork or self-expanding cork.

2.6 CURING MATERIALS

- A. Evaporation Retarder: Waterborne, monomolecular film forming; manufactured for application to fresh concrete.
- B. Absorptive Cover: AASHTO M 182, Class 3, burlap cloth or cotton mats.
- C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
- D. Water: Potable.
- E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.
- F. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.

2.7 CONCRETE MIXTURES

- A. Comply with ACI 301 requirements for concrete mixtures.
- B. Normal-Weight Concrete: Prepare design mixes, proportioned according to ACI 301, as follows:
 - 1. Minimum Compressive Strength: 4000 psi at 28 days.
 - 2. Maximum Water-Cementitious Materials Ratio: 0.50.
 - 3. Cementitious Materials: Use fly ash, pozzolan, ground granulated blast-furnace slag, and silica fume as needed to reduce the total amount of portland cement, which would otherwise be used, by not less than 40 percent.
 - 4. Slump Limit: 4 inches, plus or minus 1 inch.
 - 5. Air Content: Maintain within range permitted by ACI 301. Do not allow air content of trowel-finished floor slabs to exceed 3 percent.

2.8 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M, and furnish batch ticket information.

1. When air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.
- B. Project-Site Mixing: Measure, batch, and mix concrete materials and concrete according to ASTM C 94/C 94M. Mix concrete materials in appropriate drum-type batch machine mixer.
 1. For mixer capacity of 1 cu. yd. or smaller, continue mixing at least 1-1/2 minutes, but not more than 5 minutes after ingredients are in mixer, before any part of batch is released.
 2. For mixer capacity larger than 1 cu. yd., increase mixing time by 15 seconds for each additional 1 cu. yd.
 3. Provide batch ticket for each batch discharged and used in the Work, indicating Project identification name and number, date, mix type, mix time, quantity, and amount of water added. Record approximate location of final deposit in structure.

PART 3 - EXECUTION

3.1 FORMWORK

- A. Design, construct, erect, brace, and maintain formwork according to ACI 301.

3.2 VAPOR RETARDERS

- A. Install, protect, and repair vapor retarders according to ASTM E 1643; place sheets in position with longest dimension parallel with direction of pour.
 1. Lap joints 6 inches and seal with manufacturer's recommended adhesive or joint tape.

3.3 STEEL REINFORCEMENT

- A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.
 1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.

3.4 JOINTS

- A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.
- B. Construction Joints: Locate and install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Architect.

3.5 CONCRETE PLACEMENT

- A. Comply with ACI 301 for placing concrete.
- B. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301.
- C. Do not add water to concrete during delivery, at Project site, or during placement.
- D. Consolidate concrete with mechanical vibrating equipment.
- E. Equipment Bases and Foundations:
 - 1. Coordinate sizes and locations of concrete bases with actual equipment provided.
 - 2. Construct concrete bases 4 inches high unless otherwise indicated; and extend base not less than 6 inches in each direction beyond the maximum dimensions of supported equipment unless otherwise indicated or unless required for seismic anchor support.
 - 3. Minimum Compressive Strength: 4000 psi at 28 days.
 - 4. Install dowel rods to connect concrete base to concrete floor. Unless otherwise indicated, install dowel rods on 18-inch centers around the full perimeter of concrete base.
 - 5. For supported equipment, install epoxy-coated anchor bolts that extend through concrete base, and anchor into structural concrete substrate.
 - 6. Prior to pouring concrete, place and secure anchorage devices. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
 - 7. Cast anchor-bolt insert into bases. Install anchor bolts to elevations required for proper attachment to supported equipment.

3.6 FINISHING FORMED SURFACES

- A. Rough-Formed Finish: As-cast concrete texture imparted by form-facing material with tie holes and defective areas repaired and patched. Remove fins and other projections exceeding 1/2 inch.
 - 1. Apply to concrete surfaces not exposed to public view.
- B. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces, unless otherwise indicated.

3.7 FINISHING UNFORMED SURFACES

- A. General: Comply with ACI 302.1R for screeding, restraighening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.

- B. Screed surfaces with a straightedge and strike off. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane before excess moisture or bleedwater appears on surface.
 - 1. Do not further disturb surfaces before starting finishing operations.
- C. Trowel Finish: Apply a hard trowel finish to surfaces indicated and to floor and slab surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin film-finish coating system.

3.8 CONCRETE PROTECTING AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and with ACI 301 for hot-weather protection during curing.
- B. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.
- C. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
- D. Curing Methods: Cure formed and unformed concrete for at least seven days by one or a combination of the following methods:
 - 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:
 - a. Water.
 - b. Continuous water-fog spray.
 - c. Absorptive cover, water saturated and kept continuously wet. Cover concrete surfaces and edges with 12-inch lap over adjacent absorptive covers.
 - 2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
 - 3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.
 - 4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial

application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.9 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Tests: Perform according to ACI 301.
 - 1. Testing Frequency: One composite sample shall be obtained for each day's pour of each concrete mix exceeding 5 cu. yd. but less than 25 cu. yd., plus one set for each additional 50 cu. yd. or fraction thereof.

3.10 REPAIRS

- A. Remove and replace concrete that does not comply with requirements in this Section.

END OF SECTION 03 30 53

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SECTION 09 68 13 - TILE CARPETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Modular fusion bonded carpet tile.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
 - 1. Carpet Tile: Full-size Sample.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

1.6 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.

- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

1.7 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.
 - b. Dimensional instability.
 - c. Excess static discharge.
 - d. Loss of tuft-bind strength.
 - e. Loss of face fiber.
 - f. Delamination.
 - 3. Warranty Period: Lifetime limited.

PART 2 - PRODUCTS

- 2.1 CARPET TILE See Drawings for existing carpet tile to match.

2.2 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.
- C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 03 30 00 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
 - 1. Moisture Testing: Perform

3.2 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.3 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: As recommended in writing by carpet tile manufacturer.
- C. Maintain existing pile-direction patterns.
- D. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 09 68 13

SECTION 22 13 16 - SANITARY WASTE AND VENT PIPING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. PVC pipe and fittings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.4 INFORMATIONAL SUBMITTALS

- A. Field quality-control reports.

1.5 FIELD CONDITIONS

- A. Interruption of Existing Sanitary Waste Service: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:
 - 1. Notify Owner no fewer than two days in advance of proposed interruption of sanitary waste service.
 - 2. Do not proceed with interruption of sanitary waste service without Owner's written permission.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Components and installation shall be capable of withstanding the following minimum working pressure unless otherwise indicated:

1. Soil, Waste, and Vent Piping: 10-foot head of water.

2.2 PIPING MATERIALS

- A. Piping materials shall bear label, stamp, or other markings of specified testing agency.
- B. Comply with requirements in "Piping Schedule" Article for applications of pipe, tube, fitting materials, and joining methods for specific services, service locations, and pipe sizes.

2.3 PVC PIPE AND FITTINGS

- A. Comply with NSF 14, "Plastics Piping Systems Components and Related Materials," for plastic piping components. Include marking with "NSF-dwv" for plastic drain, waste, and vent piping and "NSF-sewer" for plastic sewer piping.
- B. Solid-Wall PVC Pipe: ASTM D 2665, drain, waste, and vent.
- C. PVC Socket Fittings: ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe.
- D. Adhesive Primer: ASTM F 656.
- E. Solvent Cement: ASTM D 2564.

2.4 SPECIALTY PIPE FITTINGS

- A. Transition Couplings:
 1. Fitting-Type Transition Couplings: Manufactured piping coupling or specified piping system fitting.

2.5 PIPING INSTALLATION

- A. Drawing plans, schematics, and diagrams indicate general location and arrangement of piping systems.
 1. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations.
 2. Install piping as indicated unless deviations to layout are approved on coordination drawings.
- B. Install piping in concealed locations unless otherwise indicated and except in equipment rooms and service areas.
- C. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal.

- D. Install piping at indicated slopes.
- E. Install piping free of sags and bends.
- F. Install fittings for changes in direction and branch connections.
- G. Make changes in direction for soil and waste drainage and vent piping using appropriate branches, bends, and long-sweep bends.
 - 1. Sanitary tees and short-sweep 1/4 bends may be used on vertical stacks if change in direction of flow is from horizontal to vertical.
 - 2. Use long-turn, double Y-branch and 1/8-bend fittings if two fixtures are installed back to back or side by side with common drain pipe.
 - a. Straight tees, elbows, and crosses may be used on vent lines.
 - 3. Do not change direction of flow more than 90 degrees.
 - 4. Use proper size of standard increasers and reducers if pipes of different sizes are connected.
 - a. Reducing size of waste piping in direction of flow is prohibited.
- H. Lay buried building waste piping beginning at low point of each system.
 - 1. Install true to grades and alignment indicated, with unbroken continuity of invert. Place hub ends of piping upstream.
 - 2. Install required gaskets according to manufacturer's written instructions for use of lubricants, cements, and other installation requirements.
 - 3. Maintain swab in piping and pull past each joint as completed.
- I. Install aboveground PVC piping according to ASTM D 2665.
- J. Install underground PVC piping according to ASTM D 2321.
- K. Plumbing Specialties:
 - 1. Install cleanouts at grade and extend to where building sanitary drains connect to building sanitary sewers in sanitary waste gravity-flow piping.
 - a. Install cleanout fitting with closure plug inside the building in sanitary drainage force-main piping.
 - b. Comply with requirements for cleanouts specified in Section 22 13 19 "Sanitary Waste Piping Specialties."
- L. Do not enclose, cover, or put piping into operation until it is inspected and approved by authorities having jurisdiction.

2.6 JOINT CONSTRUCTION

- A. Plastic, Nonpressure-Piping, Solvent-Cement Joints: Clean and dry joining surfaces. Join pipe and fittings according to the following:
 - 1. Comply with ASTM F 402 for safe-handling practice of cleaners, primers, and solvent cements.
 - 2. PVC Piping: Join according to ASTM D 2855 and ASTM D 2665 appendixes.

2.7 CONNECTIONS

- A. Drawings indicate general arrangement of piping, fittings, and specialties.
- B. Connect soil and waste piping to exterior sanitary sewerage piping. Use transition fitting to join dissimilar piping materials.

2.8 FIELD QUALITY CONTROL

- A. During installation, notify authorities having jurisdiction at least 24 hours before inspection must be made. Perform tests specified below in presence of authorities having jurisdiction.
 - 1. Roughing-in Inspection: Arrange for inspection of piping before concealing or closing-in after roughing-in and before setting fixtures.
 - 2. Final Inspection: Arrange for final inspection by authorities having jurisdiction to observe tests specified below and to ensure compliance with requirements.
- B. Reinspection: If authorities having jurisdiction find that piping will not pass test or inspection, make required corrections and arrange for reinspection.
- C. Reports: Prepare inspection reports and have them signed by authorities having jurisdiction.
- D. Test sanitary waste and vent piping according to procedures of authorities having jurisdiction or, in absence of published procedures, as follows:
 - 1. Test for leaks and defects in new piping and parts of existing piping that have been altered, extended, or repaired.
 - a. If testing is performed in segments, submit separate report for each test, complete with diagram of portion of piping tested.
 - 2. Leave uncovered and unconcealed new, altered, extended, or replaced waste and vent piping until it has been tested and approved.
 - a. Expose work that was covered or concealed before it was tested.
 - 3. Roughing-in Plumbing Test Procedure: Test waste and vent piping except outside leaders on completion of roughing-in.

- a. Close openings in piping system and fill with water to point of overflow, but not less than 10-foot head of water.
 - b. From 15 minutes before inspection starts to completion of inspection, water level must not drop.
 - c. Inspect joints for leaks.
4. Finished Plumbing Test Procedure: After plumbing fixtures have been set and traps filled with water, test connections and prove they are gastight and watertight.
 - a. Plug vent-stack openings on roof and building drains where they leave building. Introduce air into piping system equal to pressure of 1-inch wg.
 - b. Use U-tube or manometer inserted in trap of water closet to measure this pressure.
 - c. Air pressure must remain constant without introducing additional air throughout period of inspection.
 - d. Inspect plumbing fixture connections for gas and water leaks.
5. Repair leaks and defects with new materials and retest piping, or portion thereof, until satisfactory results are obtained.
6. Prepare reports for tests and required corrective action.

2.9 CLEANING AND PROTECTION

- A. Clean interior of piping. Remove dirt and debris as work progresses.
- B. Protect sanitary waste and vent piping during remainder of construction period to avoid clogging with dirt and debris and to prevent damage from traffic and construction work.
- C. Place plugs in ends of uncompleted piping at end of day and when work stops.
- D. Repair damage to adjacent materials caused by waste and vent piping installation.

2.10 PIPING SCHEDULE

- A. Underground, soil, waste, and vent piping NPS 4 and smaller shall be the following:
 1. Solid wall PVC pipe, PVC socket fittings, and solvent-cemented joints.

END OF SECTION 22 13 16

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SECTION 22 13 19 - SANITARY WASTE PIPING SPECIALTIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Cleanouts.

1.3 DEFINITIONS

- A. ABS: Acrylonitrile butadiene styrene.
- B. PVC: Polyvinyl chloride.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 CLEANOUTS

- A. Cast-Iron Exposed Floor Cleanouts FCO-1:
 - 1. Standard: ASME A112.36.2M for adjustable housing.
 - 2. Size: Same as connected branch.
 - 3. Type: Heavy-duty, adjustable housing.
 - 4. Body or Ferrule: Epoxy Coated Cast iron.
 - 5. Outlet Connection: 4"
 - 6. Closure: Brass plug with straight threads and gasket.
 - 7. Adjustable Housing Material: Cast iron with threads.
 - 8. Frame and Cover Material and Finish: Nickel-bronze, copper alloy.
 - 9. Frame and Cover Shape: Round.
 - 10. Top-Loading Classification: Heavy Duty.

- B. Basis of design: Watts model CO-200-RX

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install cleanouts in aboveground piping and building drain piping according to the following, unless otherwise indicated:
 - 1. Size same as drainage piping up to NPS 4. Use NPS 4 for larger drainage piping unless larger cleanout is indicated.
 - 2. Locate at each change in direction of piping greater than 45 degrees.
 - 3. Locate at base of each vertical soil and waste stack.
- B. For floor cleanouts for piping below floors, install cleanout deck plates with top flush with finished floor.

3.2 PIPING CONNECTIONS

- A. Comply with requirements in Section 22 13 16 "Sanitary Waste and Vent Piping" for piping installation requirements. Drawings indicate general arrangement of piping, fittings, and specialties.

3.3 PROTECTION

- A. Protect drains during remainder of construction period to avoid clogging with dirt or debris and to prevent damage from traffic or construction work.
- B. Place plugs in ends of uncompleted piping at end of each day or when work stops.

END OF SECTION 22 13 19

Prevailing Wage Determination Cover Letter

County: SUMMIT
Determination Date: 09/05/2019
Expiration Date: 12/05/2019

THE FOLLOWING PAGES ARE PREVAILING RATES OF WAGES ON PUBLIC IMPROVEMENTS FAIRLY ESTIMATED TO BE MORE THAN THE AMOUNT IN O.R.C. SEC. 4115.03 (b) (1) or (2), AS APPLICABLE.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work, and shall be printed on the bidding blanks where the work is done by contract..."

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wage as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefore an affidavit stating that he has fully complied with Chapter 4115 of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code (the basic hourly rates plus certain fringe benefits). These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115 of the Ohio Revised Code by contractors and subcontractors. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to the Prevailing Wage Coordinator appointed by the public authority as soon as prevailing wage rates increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of work a legible statement of the Schedule of Wage Rates specified in the contract to the various classifications of laborers, workmen, and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07, Ohio Revised Code.

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio Apprenticeship Council.

Section 4115.071 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, Ohio Revised Code, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code.

Section 4115.05 provides for an escalator in the prevailing wage rate. Each time a new rate is established, that rate is required to be paid on all ongoing public improvement projects.

A further requirement of Section 4115.05 of the Ohio Revised Code is: "On the occasion of the first pay date under a contract, the contractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of Labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage Coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed."

Work performed in connection with the installation of modular furniture may be subject to prevailing wage.

THIS PACKET IS NOT TO BE SEPARATED BUT IS TO REMAIN COMPLETE AS IT IS SUBMITTED TO YOU. (Reference guidelines and forms are included in this packet to be helpful in the compliance of the Prevailing Wage law.)

wh1500



**Department
of Commerce**

Division of Industrial Compliance

John R. Kasich, Governor
Jacqueline T. Williams, Director

Bureau of Wage and Hour Administration
6606 Tussing Road - PO Box 4009
Reynoldsburg, OH 43068-9009
Phone 614-644-2239 | Fax 614-728-8639
TTY/TDD 800-750-0750

com.ohio.gov

An Equal Opportunity Employer and Service Provider

PREVAILING WAGE CONTRACTOR RESPONSIBILITIES

This is a summary of prevailing wage contractors' responsibilities. For more detailed information please refer to Chapter 4115 of the Ohio Revised Code

General Information

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$250,000 for new construction or \$75,000 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting.

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$91,150 for new construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction or \$27,309 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting of a public improvement that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction.

- a) Thresholds are to be adjusted biennially by the Administrator of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration
- b) Biennial adjustments to threshold levels are made according to the Price Deflator for Construction Index, United States Department of Commerce, Bureau of the Census*, but may not increase or decrease more than 3% for any year

Penalties for violation

Violators are to be assessed the wages owed, plus a penalty of 100% of the wages owed.

Intentional Violations

If an intentional violation is determined to have occurred, the contractor is prohibited from contracting directly or indirectly with any public authority for the construction of a public improvement. Intentional violation means "a willful, knowing, or deliberate disregard for any provision" of the prevailing wage law and includes but is not limited to the following actions:

- Intentional failure to submit payroll reports as required, or knowingly submitting false or erroneous reports.
- Intentional misclassification of employees for the purpose of reducing wages.
- Intentional misclassification of employees as independent contractors or as apprentices.
- Intentional failure to pay the prevailing wage.
- Intentional failure to comply with the allowable ratio of apprentices to skilled workers as required by the regulations established by Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration.
- Intentionally employing an officer, of a contractor or subcontractor, that is known to be prohibited from contracting, directly or indirectly, with a public authority.

Responsibilities

- A. Pay the prevailing rate of wages as shown in the wage rate schedules issued by the Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration, for the classification of work being performed.
 1. Wage rate schedules include all modifications, corrections, escalations, or reductions to wage rates issued for the project.

2. Overtime must be paid at time and one-half the employee's base hourly rate. Fringe benefits are paid at straight time rate for all hours including overtime.
 3. Prevailing wages must be paid in full without any deduction for food, lodging, transportation, use of tools, etc.; unless, the employee has voluntarily consented to these deductions in writing. The public authority and the Director of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration - must approve these deductions as fair and reasonable. Consent and approval must be obtained before starting the project.
- B. Use of Apprentices and Helpers cannot exceed the ratios permitted in the wage rate schedules.
1. Apprentices must be registered with the U.S. Department of Labor Bureau of Apprenticeship and Training.
 2. Contractors must provide the Prevailing Wage Coordinator a copy of the Apprenticeship Agreement for each apprentice on the project.
- C. Keep full and accurate payroll records available for inspection by any authorized representative of the Ohio Department of Commerce, Division of Industrial Compliance, and Labor, Bureau of Wage and Hour Administration or the contracting public authority, including the Prevailing Wage Coordinator. Records should include but are not limited to:
1. Time cards, time sheets, daily work records, etc.
 2. Payroll ledger\journals and canceled checks\check register.
 3. Fringe benefit records must include program, address, account number, & canceled checks.
 4. Records made in connection with the public improvement must not be removed from the State for one year following the completion of the project.
 5. Out-of-State Corporations must submit to the Ohio Secretary of State the full name and address of their Statutory Agent in Ohio.
- D. Prevailing Wage Rate Schedule must be posted on the job site where it is accessible to all employees.
- E. Prior to submitting the initial payroll report, supply the Prevailing Wage Coordinator with your project dates to schedule reporting of your payrolls.
- F. Supply the Prevailing Wage Coordinator a list of all subcontractors including the name, address, and telephone number for each.
1. **Contractors are responsible for their subcontractors' compliance with requirements of Chapter 4115 of the Ohio Revised Code.**
- G. Before employees start work on the project, supply them with written notification of their job classification, prevailing wage rate, fringe benefit amounts, and the name of the Prevailing Wage Coordinator for the project. A copy of the completed signed notification should be submitted to Prevailing Wage Coordinator.
- H. Supply all subcontractors with the Prevailing Wage Rates and changes.
- I. Submit certified payrolls within two (2) weeks after the initial pay period. Payrolls must include the following information:
1. Employees' names, addresses, and social security numbers.
 - (a) Corporate officers/owners/partners and any salaried personnel who do physical work on the project are considered employees. All rate and reporting requirements are applicable to these individuals.
 2. Employees' work classification.
 - (a) Be specific about the laborers and/or operators (Group)
 - (b) For all apprentices, show level/year and percent of journeyman's rate
 3. Hours worked on the project for each employee.

- (a) The number of hours worked in each day and the total number of hours worked each week.
 - 4. Hourly rate for each employee.
 - (a) The minimum rate paid must be the wage rate for the appropriate classification. The Department's Wage Rate Schedule sets this rate.
 - (b) All overtime worked is to be paid at time and one-half for all hours worked more than forty (40) per week.
 - 5. Where fringes are paid into a bona fide plan instead of cash, list each benefit and amount per hour paid to program for each employee.
 - (a) When the amount contributed to the fringe benefit plan and the total number of hours worked by the employee on all projects for the year are documented, the hourly amount is calculated by dividing the total contribution of the employer by the total number of hours worked by the employee.
 - (b) When the amount contributed to the fringe benefit is documented but not the total hours worked, the hourly amount is calculated by **dividing the total yearly contribution by 2080**.
 - 6. Gross amount earned on all projects during the pay period.
 - 7. Total deductions from employee's wages.
 - 8. Net amount paid.
- J. The reports shall be certified by the contractor, subcontractor, or duly appointed agent stating that the payroll is correct and complete; and that the wage rates shown are not less than those required by the O.R.C. 4115.
- K. Provide a Final Affidavit to the Prevailing Wage Coordinator upon the completion of the project.

§ 4115.05. Locally prevailing wage rates to determine minimum contract wage.

The prevailing rate of wages to be paid for a legal day's work, as prescribed in section 4115.04 of the Revised Code, to laborers, workers, or mechanics upon public works shall not be less at any time during the life of a contract for the public work than the prevailing rate of wages then payable in the same trade or occupation in the locality where such public work is being performed, under collective bargaining agreements or understandings, between employers and bona fide organizations of labor in force at the date the contract for the public work, relating to the trade or occupation, was made, and collective bargaining agreements or understandings successor thereto.

Serving laborers, helpers, assistants and apprentices shall not be classified as common labor and shall be paid not less at any time during the life of a contract for the public work than the prevailing rate of wages then payable for such labor in the locality where the public work is being performed, under or as a result of collective bargaining agreements or understandings between employers and bona fide organizations of labor in force at the date the contract for the public work, requiring the employment of serving laborers, helpers, assistants, or apprentices, was made, and collective bargaining agreements or understandings successor thereto.

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and is registered with the Ohio apprenticeship council.

The allowable ratio of apprentices to skilled workers permitted to work shall not be greater than the ratio allowed the contractor or subcontractor in the collective bargaining agreement or understanding referred to in this section under which the work is being performed.

In the event there is no such collective bargaining agreement or understanding in the immediate locality, then the prevailing rates of wages in the nearest locality in which such collective bargaining agreements or understandings are in effect shall be the prevailing rate of wages, in such locality, for the various occupations covered by sections 4115.03 to 4115.16 of the Revised Code.

The prevailing rate of wages to be paid for a legal day's work, to laborers, workers, or mechanics, upon any material to be used in or in connection with a public work, shall be not less than the prevailing rate of wages payable for a day's work in the same trade or occupation in the locality within the state where such public work is being performed and where the material in its final or completed form is to be situated, erected, or used.

Every contract for a public work shall contain a provision that each laborer, worker, or mechanic, employed by such contractor, subcontractor, or other person about or upon such public work, shall be paid the prevailing rate of wages provided in this section.

No contractor or subcontractor under a contract for a public work shall sublet any of the work covered by such contract unless specifically authorized to do so by the contract.

Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing rate of wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded. Upon receipt from the director of commerce of a notice of a change in prevailing wage rates, a public authority shall, within seven working days after receipt thereof, notify all affected contractors and subcontractors with whom the public authority has contracts for a public improvement of the changes and require the contractors to make the necessary adjustments in the prevailing wage rates.

If the director determines that a contractor or subcontractor has violated sections 4115.03 to 4115.16 of the Revised Code because the public authority has not notified the contractor or subcontractor as required by this section, the public authority is liable for any back wages, fines, damages, court costs, and attorney's fees associated with the enforcement of said sections by the

director for the period of time running until the public authority gives the required notice to the contractor or subcontractor.

On the occasion of the first pay date under a contract, the contractor or subcontractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed.

HISTORY: GC § 17-4a; 116 v 206; 118 v 587; Bureau of Code Revision, 10-1-53; 128 v 935 (Eff 11-9-59); 131 v 992 (Eff 11-3-65); 135 v H 1171 (Eff 9-26-74); 137 v H 1129 (Eff 9-25-78); 141 v H 238 (Eff 7-1-85); 146 v S 162 (Eff 10-29-95); 148 v H 471. Eff 7-1-2000.

The effective date is set by section 12(A) of HB 471.

PREVAILING WAGE NOTIFICATION TO EMPLOYEE

4115.05On the occasion of the first pay date under a contract, the contractor or subcontractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed.

Project Name:		Job Number:	
Contractor:			
Project Location:			
Jobsite posting of prevailing wage rates located:			
Prevailing Wage Coordinator		Employee	
Name: Eddie Mink		Name:	
Street: 1867 West Market Street		Street:	
City: Akron		City:	
State / Zip: Ohio 44313		State / Zip:	
Phone: 330-926-5771		Phone:	
You will be performing work on this project that falls under these classifications. You will be paid the appropriate rate for the type of work you are performing.			
Classification	Prevailing Wage Rate Total Package	Minus Your Fringe Benefits	Your Hourly Base Rate
Hourly fringe benefits paid on your behalf by this company.			
Fringe	Amount	Fringe	Amount
Health Insurance		Health Insurance	
Life Insurance		Holiday	
Pension		Sick Pay	
Bonus		Training	
Other		TOTAL HOURLY FRINGES	
Contractor's Signature:		Date:	
Employee's Signature:		Date:	

Prevailing Wage Notice

www.obes.org

Ohio Bureau Of Employment Services, Wage & Hour Division is NOW on the internet and ready to accept wage requests for your projects electronically. All you need is an E-Mail Address.

This is what it all means:

1. All Public Authorities can view and print the wage rates they need for their projects.
2. All Public Authorities will receive notifications of all wage rate changes by E-mail.

This service is also available to the public. This means that if you are a Public Authority that uses outside services, ie: contractors, architects, project managers and engineers, you can receive these wage rates via the internet for inclusion in your bid specifications.

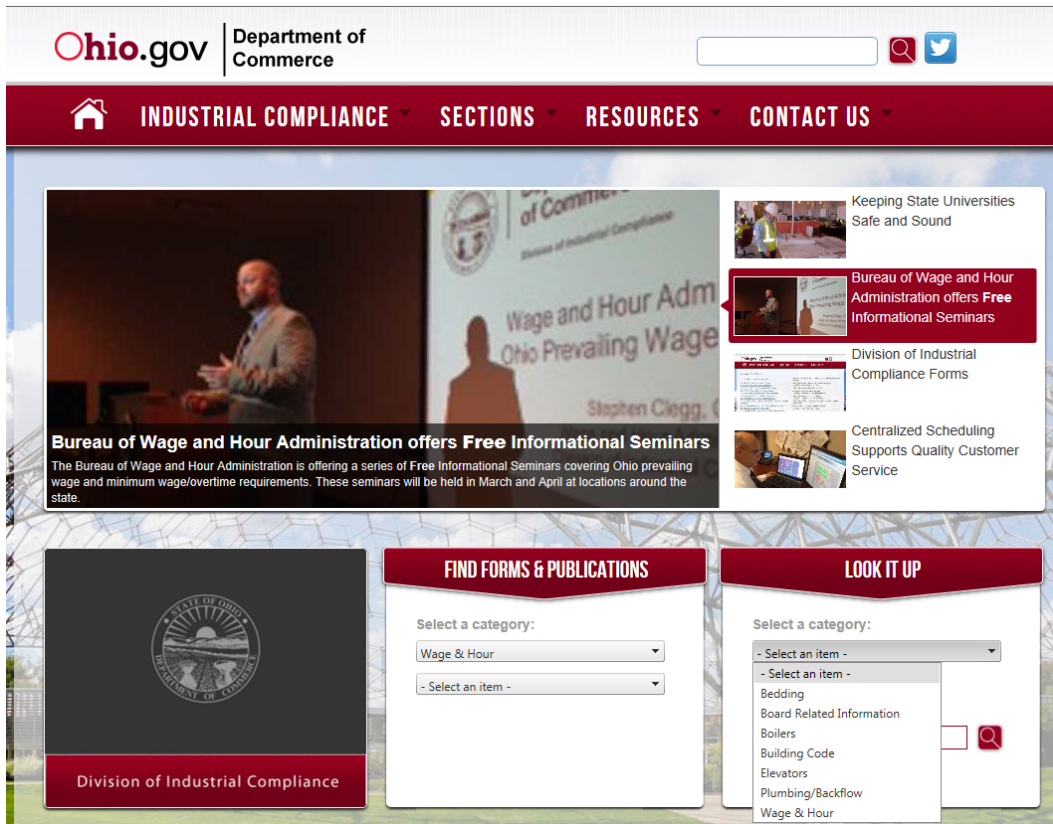
Contractors/Architects, & Engineers can also view wage rates and receive notification of changes by internet e-mail. The only thing that is required is an e-mail address.

The following pages are instructions as to how to get ON-LINE.

The on-line viewing of wage rates and notification of wage rate changes should enable you to receive this information in a more efficient manner.

This division would like to thank all of our customers for their cooperation and help during this transition.

If you have any questions please call or email this division. 614 728-8683



Instructions for Using the Ohio Wage and Hour Division Web Site to Access Wage Rate Information

February 10, 2016

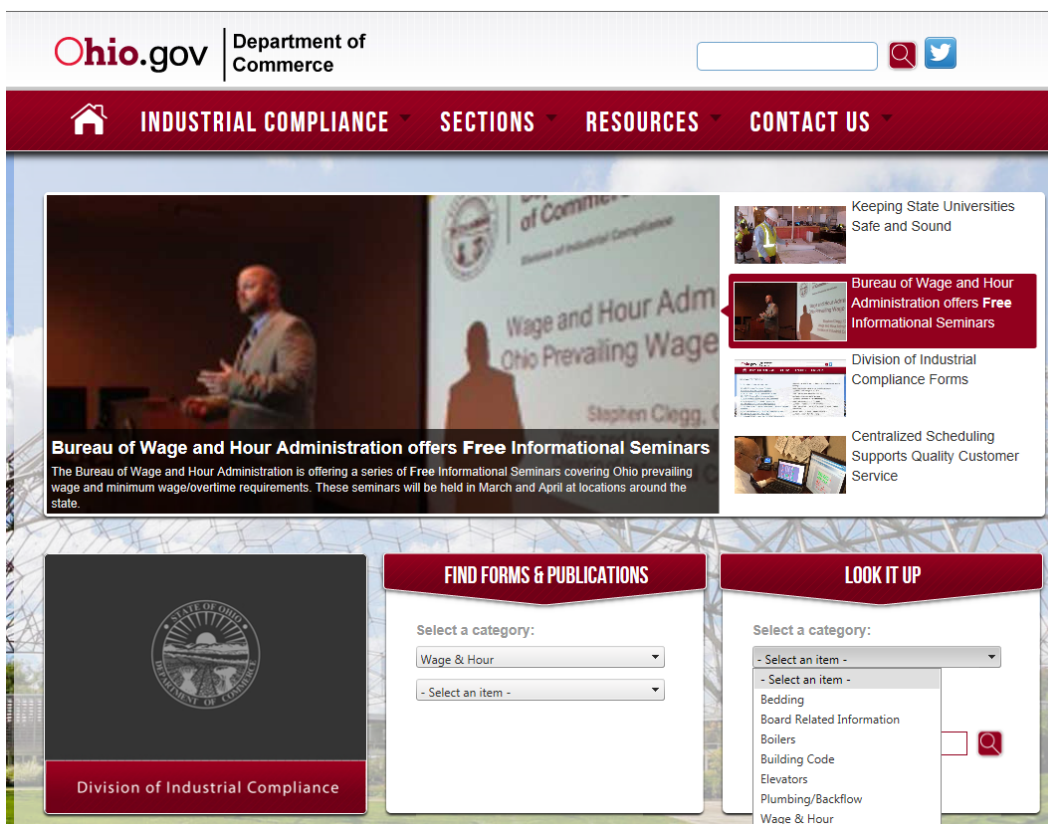
The Wage and Hour Web Site

The Ohio Wage and Hour Division web site is located under the Ohio Department of Commerce - Bureau of Labor & Worker Safety and has been recently re-designed in an effort to make access to the wage rates more efficient for Division customers. Internal and external cost reductions were also accomplished by the re-design. New procedures have been established for accessing the wage rate information through the web site from the documents within the wage rate database. This document contains instructions on those procedures.

How to View Wage Rate Data

The Ohio Wage and Hour web site is connected to a database which has the latest wage rate information that the Division currently has calculated. Access to the internet is, of course, required to obtain the wage rate information in this manner. The following procedure will help in finding the website on the internet:

- 1) Establish a connection to the internet
- 2) Open the following location, <http://www.com.ohio.gov/dico/> this will take you to the Ohio Department of Commerce - Bureau of Labor & Worker Safety services web site.
- 3) Once the web site is open the top banner of the Wage and Hour home page should look like this:



To gain entry into the database which contains the wage rates under “Look It Up”, click on “Select an Item” - [“View Wage Rates”](#) which is on the home page.

- 4) The system will then request that the user submit three basic bits of information in order to gain access to the data. These bits of information include; “Your Name”, “Your E-Mail”, and “Password” to login. When the system requests this information the prompt should look like this;

The screenshot shows the Ohio Department of Commerce Bureau of Labor & Worker Safety website. The header includes the Ohio.gov logo and navigation links: forms, contacts, about LAWS, and search. Below the header is a navigation bar with links for Consumers, Business, and License/Permit Holders & Applicants. The main content area is titled "Prevailing Wage Rates Authentication" and contains instructions: "You must type your name, email, and password exactly. Then click the 'Login' button to view the wage rates." Below the instructions is a login form with fields for "Your Name:", "Your E-Mail:", and "Password:", followed by a "Login" button. At the bottom of the form area are three links: "Register Online (I have not previously registered.)", "Email me my Password", and "Modify my Registration Information".

- 5) If you have not previously registered, click on the “Register Online” link to set up “Your Name”, “Your E-Mail” and “Password”.
- 6) After you click on “Register Online” the screen will look as shown below and on the next page.

Prevailing Wage Rates Information

Step 1. Public Authority Information


If you have previously requested wage rates please find the name of your organization in the list. If you can not find your name in the list enter your organization or individual name in the "Name" field. Select what type of user you are.

The screenshot shows the "Step 1. Public Authority Information" form. It has two sections: "Existing Owner/Public Authority Name:" and "New Owner/Public Authority Name:". The "Existing Owner/Public Authority Name:" section has a dropdown menu with "A" selected and a search field with "-Select-". The "New Owner/Public Authority Name:" section has a text input field. Below these sections is the "Type of User:" section with four radio buttons: "Public Authority", "Company", "Contractor", and "Individual".

Step 2. Project Information

Please use the small drop down arrow to find your project. If not found, please enter it in the "New Project Name" line. If you do not know what project to select or enter, type in "project unknown". Enter the following Mandatory information: your Name, a Password that you will remember, and a valid e-mail address.

Note: If you do not enter a valid email address, you will not be able to login the next time you visit our site.

Existing Project Name: 

- OR -

New Project Name:

Prevailing Wage Coordinator or Your Information

Your Name: (required)


Your E-Mail: (required - valid email address)

Password: (required)

Step 3. Prevailing Wage Rates Agreement

If all information is correct and you are a legitimate user of prevailing wage rate information, then click "I Agree". You will then have access rights for viewing wage rates for the current browser session. If information is not correct please click: "Start Over".

- 7) Follow Steps 1 through 3 with your organization's name and type of user, project name if known, and "Your Name", "Your E-Mail" and "Password".
- 8) By clicking the "I Agree" button the information will be transmitted to the Wage and Hour server. Access will be granted for a period of 24 hours. The next screen that pops up will be a search engine that assists one in narrowing down the 39,000 plus documents. It looks like the following;



- forms
- contacts
- about LAWS
- search

Ohio Department of Commerce
Bureau of Labor & Worker Safety

[Consumers](#) [Business](#) [License/Permit Holders & Applicants](#) [Other Government Agencies](#)

Prevailing Wage Rates

Select the classification. Choose any combination of the following categories, by using the down arrows. Then click the "View Wage Rates" button.

Classification <input type="text" value="-Select-"/>	County <input type="text" value="-Select-"/>	Union <input type="text" value="-Select-"/>
<input type="button" value="View Wage Rates"/>		

- 9) By using the drop down arrows to the right of each line, one can select which wage rates to call up. By leaving select in the line, all the wage rates for that particular category will be called up. When each category has the appropriate selection, then the "View Wage Rates" button can be clicked.

10) It will produce a pop up chart that lists the selections chosen and which looks like this;

[Back to wage rate search](#) [Back to Home](#)

Classification = **Truck Driver**, County = **SUMMIT**, Union = **All**

Classification	County	Union	Effective	Expires	Posted
Truck Driver	SUMMIT	Truck Driver Bldg & Hwy Class 1 Locals 20,40,92,92b,100,175,284,438,377,505,637,908,957	5/1/2009		7/10/2007
Truck Driver	SUMMIT	Truck Driver Bldg & Hwy Class 2 Locals 20,40,92,92b,100,175,284,438,377,505,637,908,957	6/4/2009		6/4/2009

[Back to home](#)

- 11) Most charts will have more than one row of clickable items. Clicking on any of the underlined items in the chart will bring the wage rates up for that item. This will be in the format of a form, which is printable. Use whichever "Effective" date that covers the construction period for your local authority project, or the latest rate posted. The wage rate form will look like the example on the next page.
- 12) To escape from the form when done viewing or printing, simply click the browser's "back" button to return to the previous screen. Another item in the chart (if there is more than one) may then be chosen and viewed.
- 13) If you return to the site within 24 hours and click on the "View Wage Rates" icon, the system will skip the log on procedure and immediately present the selection view with the classification, county, or union selection lines as shown in items numbered 10 and 11. If you return after a 24 hour period, you will be required to repeat the log on procedure as described in steps 1 through 12.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver Bldg & Hwy Class 2
Locals 20,40,92,92b,100,175,284,438,377,505,637,908,957

Change # : CN1-2009BldgHwyHwy

Craft : Truck Driver Effective Date : 06/04/2009 Last Posted : 06/04/2009

			Fringe Benefit Payments										
			BHR	H&W	Pension		App Tr.		Vac.	Annuity	Other	Total PWR	Overtime Rate
Classification													
Truck Driver CLASS 2 Tractor Trailer- Semi Tractor Trucks-Pole Trailers-Ready Mix Trucks- Fuel Trucks- Asphalt-Oil Spraybar men- 5 Axel & Over -Belly Dumps- End Dumps- Articulated Dump Trucks- Low boys- Heavy duty Equipment (irrespective of load carried) when used exclusively for transportation- Truck Mechanics (when needed)	\$22.50		\$6.11	\$4.90		\$0.50		\$0.00	\$0.00	\$0.00	\$34.01	\$45.26	
Apprentice				Percent									
First 6 months				64.00	\$14.40	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$25.91	\$33.11
7-12 months				67.95	\$15.29	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$26.80	\$34.44
13-18 months				71.99	\$16.20	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$27.71	\$35.81
19-24 months				75.95	\$17.09	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$28.60	\$37.14
25-30 months				80.00	\$18.00	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$29.51	\$38.51
31-36 months				85.00	\$19.12	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$30.63	\$40.20
37-42 months				90.00	\$20.25	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$31.76	\$41.89
43-48 months				95.00	\$21.37	\$6.11	\$4.90		\$0.50	\$0.00	\$0.00	\$32.89	\$43.57

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

3 Journeymen to 1 Apprentice
per company/project

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

** Asphalt - Oil spraybar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.

PREVAILING WAGE THRESHOLD LEVELS

IMPORTANT NOTICE

Before advertising for bids, contracting, or undertaking construction with its own forces, to construct a public improvement, the Public Authority shall have the Ohio Department of Commerce-Division of Industrial Compliance, Bureau of Wage and Hour Administration determine the prevailing rates of wages for workers employed on the public improvement. The wage determination must be included in the project specifications and printed on the bidding blanks where work is done by contract.

“New” construction threshold for <i>Building Construction</i>:	\$250,000
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“Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” threshold level for <i>Building Construction</i>:	\$75,000
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As of January 1, 2018:

“New” construction that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to:	\$91,150
---	-----------------

“Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to:	\$27,309
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- A) Thresholds are to be adjusted biennially by the Director of the Ohio Department of Commerce.
- B) Biennial adjustments to threshold levels are made according to the Building Cost for Skilled Labor Index published by McGraw-Hill’s Engineering News-Record, but may not increase or decrease more than 3% for any year.

If there are questions concerning this notification, please contact:

Ohio Department of Commerce
Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov

CERTIFIED PAYROLL REPORT

Employer Name & Address				Name of General / Prime Contractor				Project Name & Location					Contracting Public Authority									
Check if subcontractor <input type="checkbox"/>				Week Ending				Payroll # Page _____ Of _____					Project Number									
1. Employee Name, Address and Social Security Number		2. Work Class	3. Hours Worked - Day & Date						4. Project Total Hrs.	5. Base Rate	6. Project Gross	7. Fringes: Cash <input type="checkbox"/> Approved Plans <input type="checkbox"/> Cash & Approved Plans <input type="checkbox"/>					8. Total Hours All Jobs	9. Total Gross All Jobs	10. Taxes Withheld	11. Other Deducts	12. NET Paid	
															H&W	Pens	Vac	App	Other			
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Date _____ My signature on this form signifies that I pay, or supervise the payment of the employees shown above. I am certifying: 1) That during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done. 2) That the fringe benefits have been paid as indicated above. 3) That no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissible deductions as defined in the Ohio Revised Code Chapter 4115. 4) That apprentices are registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training. The willful falsification of any of the above statements may subject the contractor or subcontractor to civil or criminal prosecution.

Name and Title _____

Signature _____



Affidavit of Compliance

PREVAILING WAGES

I, _____
(Name of person signing affidavit) (Title)

do hereby certify that the wages paid to all employees of

(Company Name)

for all hours worked on the

(Project name and location)

project, during the period from _____ to _____ are in
(Project Dates)

compliance with prevailing wage requirements of Chapter 4115 of the Ohio Revised Code. I further certify that no rebates or deductions have been or will be made, directly or indirectly, from any wages paid in connection with this project, other than those provided by law.

(Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of _____,
20_____.

(Notary Public)

The above affidavit must be executed and sworn to by the officer or agent of the contractor or subcontractor who supervises the payment of employees. This affidavit must be submitted to the owner (public authority) before the surety is released or final payment due under the terms of the contract is made.

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 207 OH

Change # : LCN01-2018fbLoc207OH

Craft : Asbestos Worker Effective Date : 08/23/2018 Last Posted : 08/23/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Asbestos Abatement	\$25.50	\$7.25	\$6.45	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$39.92	\$52.67
Trainee	\$16.50	\$7.25	\$1.50	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$25.97	\$34.22

Special Calculation Note :

Ratio :

3 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA*, ATHENS, AUGLAIZE, BROWN, BUTLER*, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARDIN, HARRISON, HIGHLAND, HOCKING, HOLMES, HURON, KNOX, LAKE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MIAMI, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PORTAGE, PREBLE, RICHLAND, ROSS, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN*, WAYNE

Special Jurisdictional Note : Butler County:(townships of

Fairfield,Hanover,Liberty,Milford,Morgan,Oxford,Ripley,Ross,StClair,Union & Wayne.) (Lemon & Madison)

Warren County: (townships of: Deerfield, Hamilton, Harlan, Salem, Union & Washington). (Clear Creek,

Franklin, Mossie, Turtle Creek & Wayney). Ashtabula County: (post offices & townships of Ashtabula,

Austinburg, Geneva, Harperfield, Jefferson, Plymouth & Saybrook) (townships of Andover, Cherry Valley,

Colbrook, Canneaut, Denmark, Dorset, East Orwell, Hartsgrove, Kingville, Lenox, Monroe,Morgan,New

Lyme,North Kingsville, Orwell, Pierpoint, Richmond Rock Creek, Rome, Sheffield, Trumbull, Wayne,

Williamsfield & Windsor) Erie County:(post offices & townships of Berlin, Berlin Heights,Birmingham,Florence

,Huron, Milan, Shinrock & Vermilion)

Details :

Asbestos & lead paint abatement including,but not limited to the removal or encapsulation of asbestos & lead paint,all

work in conjunction with the preparation of the removal of same & all work in conjunction with the clean up after said removal. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Abatement Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

An Abatement Journeyman is anyone who has more than 300 hours in the Asbestos Abatement field.

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 84 Heat & Frost Insulators

Change # : LCN01-2018fbLoc84

Craft : Asbestos Worker **Effective Date :** 06/06/2018 **Last Posted :** 06/06/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Insulation Worker	\$31.47		\$9.49	\$8.36	\$0.36	\$0.00	\$3.39	\$0.24	\$0.00	\$0.00	\$53.31	\$69.04
Apprentice	Percent											
1st Year	50.00	\$15.74	\$9.49	\$8.36	\$0.36	\$0.00	\$3.39	\$0.24	\$0.00	\$0.00	\$37.58	\$45.44
2nd Year	60.00	\$18.88	\$9.49	\$8.36	\$0.36	\$0.00	\$3.39	\$0.24	\$0.00	\$0.00	\$40.72	\$50.16
3rd Year	70.00	\$22.03	\$9.49	\$8.36	\$0.36	\$0.00	\$3.39	\$0.24	\$0.00	\$0.00	\$43.87	\$54.88
4th Year	80.00	\$25.18	\$9.49	\$8.36	\$0.36	\$0.00	\$3.39	\$0.24	\$0.00	\$0.00	\$47.02	\$59.60

Special Calculation Note : Other is Industry and Labor Management Fund

Ratio :

3 Journeymen to 1 Apprentice per shop

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, ASHTABULA*, CARROLL, COLUMBIANA, COSHOCTON, ERIE*, HARRISON, HOLMES, MAHONING, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE

Special Jurisdictional Note : Ashtabula County: except for the townships of Ashtabula, Austinburg, Geneva, Harpersfield, Jefferson, Plymouth and Saybrook. Erie except Sandusky city limits.

Details :

The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

Prevailing Wage Rate Skilled Crafts

Name of Union: **Boilermaker Local 744**

Change # : **LCNO1-2019fbLoc744**

Craft : **Boilermaker** Effective Date : **04/03/2019** Last Posted : **04/03/2019**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Boilermaker	\$38.05		\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$67.76	\$86.78
Apprentice	Percent											
1st 6 months	70.02	\$26.64	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$56.35	\$69.67
2nd 6 months	72.52	\$27.59	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$57.30	\$71.10
3rd 6 months	75.00	\$28.54	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$58.25	\$72.52
4th 6 months	77.51	\$29.49	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$59.20	\$73.95
5th 6 months	80.00	\$30.44	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$60.15	\$75.37
6th 6 months	85.03	\$32.35	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$62.06	\$78.24
7th 6 months	90.00	\$34.25	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$63.96	\$81.08
8th 6 months	95.00	\$36.15	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$65.86	\$83.93
Helper	60.00	\$22.83	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$52.54	\$63.96

Special Calculation Note : Other is Supplemental Health

Ratio :

5 Journeymen to 1 Apprentice to 1 Helper

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CARROLL, COSHOCTON, CUYAHOGA, GEAUGA, HARRISON, HOLMES, LAKE, LORAIN, MAHONING, MEDINA, PORTAGE, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 36 Zone 2 Tile Finisher

Change # : LCN01-2019fbLoc7

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Finisher	\$24.44		\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$37.22	\$49.44
Apprentice	Percent											
1st 6 months	60.00	\$14.66	\$8.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.66	\$30.00
2nd 6 months	70.00	\$17.11	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$29.89	\$38.44
3rd 6 months	75.00	\$18.33	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$31.11	\$40.28
4th 6 months	80.00	\$19.55	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$32.33	\$42.11
5th 6 months	85.00	\$20.77	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$33.55	\$43.94
6th 6 months	90.00	\$22.00	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$34.78	\$45.77

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

1-4 Journeymen to 1 Apprentice
5-10 Journeymen to 2 Apprentices
11-16 Journeymen to 3 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

The rate of Sewer Bricklayer will be \$.50 cents per above the building bricklayer's rate. Men working from cable or rope hung scaffold shall receive .50 cents per hour above building bricklayer rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 36 Zone 2 Tile Layer

Change # : LCN01-2019fbLoc7

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Layer	\$29.56		\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$42.60	\$57.38
Tile Layer Apprentice	Percent											
1st 30 days	60.00	\$17.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.74	\$26.60
1st 6 months	60.00	\$17.74	\$8.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.74	\$34.60
2nd 6 months	65.00	\$19.21	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$32.25	\$41.86
3rd 6 months	70.00	\$20.69	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$33.73	\$44.08
4th 6 months	75.00	\$22.17	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$35.21	\$46.29
5th 6 months	80.00	\$23.65	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$36.69	\$48.51
6th 6 months	85.00	\$25.13	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$38.17	\$50.73
7th 6 months	90.00	\$26.60	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$39.64	\$52.95
8th 6 months	95.00	\$28.08	\$8.00	\$3.41	\$0.63	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$41.12	\$55.16

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

1-4 Journeyman to 1 Apprentice
5-10 Journeymen to 2 Apprentice
11-16 Journeymen to 3 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Marble Mason

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Horizontal Marble Mason	\$23.80		\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.15	\$53.05
Masonary Maintenance Specialist	\$11.90		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.90	\$17.85
Apprentice	Percent											
1st 6 Months	50.00	\$11.90	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.74	\$25.69
2nd 6 Months	60.00	\$14.28	\$7.84	\$1.60	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.33	\$31.47
3rd 6 Months	65.00	\$15.47	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.82	\$40.56
4th 6 Months	70.00	\$16.66	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.01	\$42.34
5th 6 Months	75.00	\$17.85	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.20	\$44.13
6th 6 Months	85.00	\$20.23	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.58	\$47.70
MASON TRAINEES												
1st 90 Days	45.00	\$10.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.71	\$16.07
1st year after 90 Days	45.00	\$10.71	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.55	\$23.91
2nd Year	50.00	\$11.90	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.74	\$25.69

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Ratio : **Jurisdiction (* denotes special jurisdictional note**

1-2 Journeyman to 1 Apprentice
3-4 Journeyman to 2 Apprentices
5-6 Journeyman to 2 Apprentices
6-10 Journeyman to 3 Apprentices

) :
ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
LORAIN, MEDINA, PORTAGE, SUMMIT

1 Apprentice permits 1 Mason Trainee
2 Apprentice permits 1 Mason Trainee
3 Apprentice permits 2 Mason Trainee
4 Apprentice permits 2 Mason Trainee

Special Jurisdictional Note :

Details :

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Marble,Terrazzo & Mosaic

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Marble, Terrazzo, Mosaic	\$34.60		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.06	\$69.36
Swing Scaffold Workers	\$35.35		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.81	\$70.49
Stack	\$35.10		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.56	\$70.11
Masonary Maintenance	\$15.57		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.57	\$23.35
Apprentice	Percent											
1st 6 months	50.00	\$17.30	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.14	\$33.79
2nd 6 months	55.00	\$19.03	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.49	\$46.01
3rd 6 months	60.00	\$20.76	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.22	\$48.60
4th 6 months	65.00	\$22.49	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.95	\$51.20
5th 6 months	70.00	\$24.22	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.68	\$53.79
6th 6 months	75.00	\$25.95	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.41	\$56.39
7th 6 months	80.00	\$27.68	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.14	\$58.98
8th 6 months	85.00	\$29.41	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.87	\$61.57
MASON TRAINEES 1st 90 Days	45.00	\$15.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.57	\$23.35
1st Year after 90 Days	45.00	\$15.57	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.41	\$31.19
2nd Year	50.00	\$17.30	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.14	\$33.79

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Ratio :

1-2 Journeyman to 1 Apprentice
3-4 Journeyman to 2 Apprentices
5-6 Journeyman to 3 Apprentices
7-10 Journeyman to 4 Apprentices

1 Apprentice permits 1 Mason Trainee
2 Apprentice permits 1 Mason Trainee
3 Apprentice permits 2 Mason Trainee
4 Apprentice permits 2 Mason Trainee

Special Jurisdictional Note :**Details :**

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, GEAUGA, LAKE, PORTAGE, SUMMIT

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Terrazzo Finisher

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/23/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Terrazzo Finisher	\$28.05		\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.35	\$55.38
Apprentice Terrazzo Finishers	Percent											
1st 6 months	60.00	\$16.83	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.67	\$33.08
2nd 6 months	70.00	\$19.63	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.93	\$42.75
3rd 6 months	75.00	\$21.04	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.34	\$44.86
4th 6 months	80.00	\$22.44	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.74	\$46.96
5th 6 months	85.00	\$23.84	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.14	\$49.06
6th 6 months	90.00	\$25.25	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.54	\$51.17

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

1-2 Journeymen to 1 Apprentice
3- 4 Journeymen to 2 Apprentices
5- 6 Journeymen to 3 Apprentices
7- 8 Journeymen to 4 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle and distribute all materials such as sand,cement,lime,tile,all types of tile panels,prefabricated tile units, plastic materials

and protective covering of all tile. Clean up and removal of always used in connection of said work.

Terrazzo Finishers:Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

Marble Finishers:Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waster material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Tile & Marble Finisher

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/23/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Finisher	\$28.43		\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.35	\$55.57
Apprentice Tile Marble Finishers	Percent											
1st 6 months	60.00	\$17.06	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.90	\$33.43
2nd 6 months	70.00	\$19.90	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.82	\$42.77
3rd 6 months	75.00	\$21.32	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.24	\$44.90
4th 6 months	80.00	\$22.74	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.66	\$47.04
5th 6 months	85.00	\$24.17	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.09	\$49.17
6th 6 months	90.00	\$25.59	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.51	\$51.30

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

1-2 Journeymen to 1 Apprentice
3- 4 Journeymen to 2 Apprentice
5-6 Journeymen to 3 Apprentice
7-8 Journeymen to 4 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle

and distribute all materials such as sand, cement, lime, tile, all types of tile panels, prefabricated tile units, plastic materials and protective covering of all tile. Clean up and removal of always used in connection of said work.

Terrazzo Finishers: Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

Marble Finishers: Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waste material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.

Prevailing Wage Rate Skilled Crafts

Name of Union: **Bricklayer Local 7**

Change # : **LCN01-2010jcLoc7**

Craft : **Bricklayer** Effective Date : **06/07/2010** Last Posted : **06/07/2010**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Terrazzo Finisher	\$23.70		\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$32.55	\$44.40
Apprentice	Percent											
1st 6 Months	60.00	\$14.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			\$14.22	\$21.33
2nd 6 Months	70.00	\$16.59	\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$25.44	\$33.74
3rd 6 Months	75.00	\$17.77	\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$26.62	\$35.51
4th 6 Months	80.00	\$18.96	\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$27.81	\$37.29
5th 6 Months	85.00	\$20.14	\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$29.00	\$39.07
6th 6 Months	90.00	\$21.33	\$5.80	\$2.45	\$0.60	\$0.00	\$0.00	\$0.00			\$30.18	\$40.85

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

5 Journeymen to 1 Apprentice
10 Journeymen to 2 Apprentices
15 Journeymen to 2 Apprentices
20 Journeymen to 4 Apprentices
25 Journeymen to 5 Apprentices

Jurisdiction (* denotes special jurisdictional note) :
PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: **Bricklayer Local 7**

Change # : **LCR01-2019fbLoc7**

Craft : **Bricklayer** Effective Date : **06/19/2019** Last Posted : **06/19/2019**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer	\$31.79		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$49.70	\$65.59
Pointer Caulker Cleaner	\$31.79		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$49.70	\$65.59
Swing Scaffold Workers	\$32.29		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$50.20	\$66.35
Sewer Stack	\$32.29		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$50.20	\$66.35
Hot Pay	\$32.79		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$50.70	\$67.10
Stone Mason	\$31.79		\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$49.70	\$65.59
Apprentice	Percent											
1st 6 Months	60.00	\$19.07	\$8.13	\$0.00	\$0.00	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$28.20	\$37.74
2nd 6 Months	65.00	\$20.66	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$38.57	\$48.91
3rd 6 Months	70.00	\$22.25	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$40.16	\$51.29
4th 6 Months	75.00	\$23.84	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$41.75	\$53.67
5th 6 Months	80.00	\$25.43	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$43.34	\$56.06
6th 6 Months	85.00	\$27.02	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$44.93	\$58.44
7th 6 Months	90.00	\$28.61	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$46.52	\$60.83
8th 6 Months	95.00	\$30.20	\$8.13	\$8.08	\$0.70	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$48.11	\$63.21

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

10 Journeymen to 2 Apprentice
15 Journeymen to 3 Apprentice

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 7 Marble Mason

Change # : LCN01-2013fbLoc7

Craft : Bricklayer Effective Date : 06/26/2013 Last Posted : 06/26/2013

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Marble Mason	\$29.67		\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.22	\$54.06
Terrazzo Worker	\$29.67		\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.22	\$54.06
Apprentice	Percent											
1st 6 Months	60.00	\$17.80	\$6.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.20	\$33.10
2nd 6 Months	70.00	\$20.77	\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.32	\$40.70
3rd 6 Months	75.00	\$22.25	\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.80	\$42.93
4th 6 Months	80.00	\$23.74	\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.29	\$45.15
5th 6 Months	85.00	\$25.22	\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.77	\$47.38
6th 6 Months	90.00	\$26.70	\$6.40	\$2.55	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.25	\$49.60

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.
Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

1 Journeymen to 1 Apprentice
5 Journeymen to 1 Apprentice
10 Journeymen to 2 Apprentice
15 Journeymen to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Commercial NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter	\$30.78		\$7.22	\$9.18	\$0.50	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$50.16	\$65.55
Apprentice	Percent											
1st 3 months	60.00	\$18.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.47	\$27.70
2nd 3 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
2nd 6 months is 1st year	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
3rd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
4th 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
5th 6 months	70.00	\$21.55	\$7.22	\$6.43	\$0.50	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$37.44	\$48.21
6th 6 months	75.00	\$23.08	\$7.22	\$6.89	\$0.50	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$39.56	\$51.10
7th 6 months	80.00	\$24.62	\$7.22	\$7.34	\$0.50	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$41.66	\$53.98
8th 6 months	85.00	\$26.16	\$7.22	\$7.80	\$0.50	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$43.79	\$56.87

Special Calculation Note :

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Floorlayer NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Floorlayer	\$30.78		\$7.22	\$9.18	\$0.52	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$50.18	\$65.57
Apprentice	Percent											
1st 3 months	60.00	\$18.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.47	\$27.70
2nd 3 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
2nd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
3rd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
4th 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
5th 6 months	70.00	\$21.55	\$7.22	\$6.43	\$0.52	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$37.46	\$48.23
6th 6 months	75.00	\$23.08	\$7.22	\$6.89	\$0.52	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$39.58	\$51.12
7th 6 months	80.00	\$24.62	\$7.22	\$7.34	\$0.52	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$41.68	\$54.00
8th 6 months	85.00	\$26.16	\$7.22	\$7.80	\$0.52	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$43.81	\$56.89

Special Calculation Note :

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Insulation NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Insulation	\$24.62		\$7.22	\$9.18	\$0.50	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$44.00	\$56.31
Apprentice	Percent											
1st 3 months	50.00	\$12.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.31	\$18.46
2nd 3 months	50.00	\$12.31	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.03	\$26.18
2nd 6 months	50.00	\$12.31	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.03	\$26.18
3rd 6 months	55.00	\$13.54	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.26	\$28.03
4th 6 months	60.00	\$14.77	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.49	\$29.88
5th 6 months	70.00	\$17.23	\$7.22	\$6.43	\$0.50	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$33.12	\$41.74
6th 6 months	75.00	\$18.46	\$7.22	\$6.89	\$0.50	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$34.93	\$44.17
7th 6 months	80.00	\$19.70	\$7.22	\$7.34	\$0.50	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$36.74	\$46.58
8th 6 months	85.00	\$20.93	\$7.22	\$7.80	\$0.50	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$38.56	\$49.02

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Millwright NE Zone M1

Change # : LCN01-2019fbLocNEZoneM1

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Millwright	\$30.54		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$52.10	\$67.37
Certified Welder	\$31.54		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$53.10	\$68.87
Layout man on Monorail	\$32.29		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$53.85	\$69.99
Apprentice	Percent											
1st 6 months	60.00	\$18.32	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$39.88	\$49.05
2nd 6 months	60.00	\$18.32	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$39.88	\$49.05
3rd 6 months	62.00	\$18.93	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$40.49	\$49.96
4th 6 months	65.50	\$20.00	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$41.56	\$51.57
5th 6 months	69.00	\$21.07	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$42.63	\$53.17
6th 6 months	72.50	\$22.14	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$43.70	\$54.77
7th 6 months	76.00	\$23.21	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$44.77	\$56.38
8th 6 months	80.00	\$24.43	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$45.99	\$58.21

Special Calculation Note : Other \$0.05 is for UBC Millwright Promotional Fund

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :

The term “Millwright and Machine Erectors” jurisdiction shall mean the unloading, hoisting, rigging, skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintenance and adjusting of all structures, processing areas either under cover, under ground or elsewhere, required to process material, handle, manufacture or service, be it powered or receiving power manually, by steam, gas, electricity, gasoline, diesel, nuclear, solar, water, air or chemically, and in industries such as and including, which are identified for the purpose of description, but not limited to, the following: woodworking plants; canning industries; steel mills; coffee roasting plants; paper and pulp; cellophane; stone crushing; gravel and sand washing and handling; refineries; grain storage and handling; asphalt plants; sewage disposal; water plants; laundries; bakeries; mixing plants; can, bottle and bag packing plants; textile mills; paint mills; breweries; milk processing plants; power plants; aluminum processing or manufacturing plants; and amusement and entertainment fields. The installation of mechanical equipment in atomic energy plants; installation of reactors in power plants; installation of control rods and equipment in reactors; and installation of mechanical equipment in rocket missile bases, launchers, launching gantry, floating bases, hydraulic escape doors and any and all component parts thereto, either assembled, semi-assembled or disassembled. The installation of, but not limited to, the following: setting-up of all engines, motors, generators, air compressors, fans, pumps, scales, hoppers, conveyors of all types, sizes and their supports; escalators; man lifts; moving sidewalks; hoists; dumb waiters; all types of feeding machinery; amusement devices; mechanical pin setters and spotters in bowling alleys; refrigeration equipment; and the installation of all types of equipment necessary and required to process material either in the manufacturing or servicing. The handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives and gear drives directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, booth tanks, all bin valves, turn heads and indicators, shafting, bearings, cable sprockets, cutting all key seats in new and old work, troughs, chippers, filters, calendars, rolls, winders, rewinders, slitters, cutters, wrapping machines, blowers, forging machines, rams, hydraulic or otherwise, planing, extruder, ball, dust collectors, equipment in meat packing plants, splicing of ropes and cables. The laying-out, fabrication and installation of protection equipment including machinery guards, making and setting of templates for machinery, fabrication of bolts, nuts, pans, drilling of holes for any equipment which the Millwrights install regardless of materials; all welding and burning regardless of type, fabrication of all lines, hose or tubing used in lubricating machinery installed by Millwrights; grinding, cleaning, servicing and any machine work necessary for any part of any equipment installed by the Millwrights; and the break-in and trial run of any equipment or machinery installed by the Millwrights. It is agreed the Millwrights shall use the layout tools and optic equipment necessary to perform their work.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter NE District Industrial Dock & Door

Change # : LCN01-2014fbCarpNEStatewide

Craft : Carpenter **Effective Date :** 03/05/2014 **Last Posted :** 03/05/2014

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter	\$19.70		\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.90	\$35.75
Trainee	Percent											
1st Year	60.00	\$11.82	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.02	\$23.93
2nd Year	80.20	\$15.80	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.00	\$29.90

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note : Industrial Dock and Door is the installation of overhead doors, roll up doors and dock leveling equipment

Details :

10/27/10 New Contract jc

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Pile Driver NE Zone P1

Change # : LCN01-2019fbLocNEZoneP1

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Pile Driver	\$30.81		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$52.10	\$67.50
Diver	\$46.22		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$67.51	\$90.62
Certified Welder	\$31.86		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$53.15	\$69.08
Apprentice	Percent											
1st 6 months	60.00	\$18.49	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$39.78	\$49.02
2nd 6 months	60.00	\$18.49	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$39.78	\$49.02
3rd 6 months	62.00	\$19.10	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$40.39	\$49.94
4th 6 months	65.50	\$20.18	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$41.47	\$51.56
5th 6 months	69.00	\$21.26	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$42.55	\$53.18
6th 6 months	72.50	\$22.34	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$43.63	\$54.80
7th 6 months	76.00	\$23.42	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$44.71	\$56.41
8th 6 months	80.00	\$24.65	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$45.94	\$58.26

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :

Pile Drivers duties shall include but not limited to: Pile driving, milling, fashioning, joining assembling, erecting,

fastening, or dismantling of all material of wood, plastic, metal, fiber, cork and composition and all other substitute materials: pile driving, cutting, fitting and placing of lagging, and the handling, cleaning, erecting, installing and dismantling of machinery, equipment and erecting pre-engineered metal buildings. Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling and reloading all equipment that is used for pile driving including pile butts is defined as sheeting or scrap piling. Underwater work that may be required in connection with the installation of piling. The driver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete or composite that is jetted, driven or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary. The construction of all wharves and docks, including the fabrication and installation of floating docks. Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite, loading, unloading, erecting, framing, dismantling, moving and handling of pile driving equipment piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams and erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline, work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. Rate shall include carpenters, acoustic and ceiling installers, drywall installers, pile drivers and floorlayers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 Hwy A

Change # : LCN01-2019fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2019 Last Posted : 05/29/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Sewer Water Works A	\$29.34		\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.45	\$60.12
Apprentice	Percent											
1st year	50.00	\$14.67	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.78	\$38.12
2nd year	70.00	\$20.54	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.65	\$46.92
3rd year	90.00	\$26.41	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.52	\$55.72

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

3 Journeymen to 1 Apprentice
6 Journeymen to 2 Apprentice
9 Journeymen to 3 Apprentice
12 Journeymen to 4 Apprentice
15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 Hwy B

Change # : LCN01-2019fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2019 Last Posted : 05/29/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B	\$30.33		\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.45	\$61.62
Apprentice	Percent											
1st year	50.00	\$15.16	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.28	\$38.87
2nd year	70.00	\$21.23	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.35	\$47.97
3rd year	90.00	\$27.30	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.42	\$57.07

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

3 Journeymen to 1 Apprentice
6 Journeymen to 2 Apprentice
9 Journeymen to 2 Apprentice
12 Journeymen to 4 Apprentice
15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON,

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit A District II

Change # : LCN01-2019fbCementHevHwy

Craft : Cement Mason Effective Date : 06/26/2019 Last Posted : 06/26/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$29.36		\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$47.16	\$61.84
Apprentice	Percent											
1st Year	70.00	\$20.55	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$38.35	\$48.63
2nd Year	80.00	\$23.49	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$41.29	\$53.03
3rd Year	90.00	\$26.42	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$44.22	\$57.44

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

Special Jurisdictional Note : (A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site, Heavy Construction, Airport Construction Or Railroad Construction Work.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit B District II

Change # : LCN01-2019fbCementHevHwy

Craft : Cement Mason Effective Date : 06/26/2019 Last Posted : 06/26/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$30.23		\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$48.03	\$63.14
Apprentice	Percent											
1st Year	70.00	\$21.16	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$38.96	\$49.54
2nd Year	80.00	\$24.18	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$41.98	\$54.08
3rd Year	90.00	\$27.21	\$8.00	\$6.90	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$45.01	\$58.61

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

Special Jurisdictional Note : (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason & Plasterer Local 109

Change # : LCN01-2019fbLoc109

Craft : Cement Effective Date : 08/28/2019 Last Posted : 08/28/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$29.54		\$8.59	\$6.90	\$0.40	\$0.00	\$4.00	\$0.06	\$0.00	\$0.00	\$49.49	\$64.26
Plasterer	\$28.83		\$8.09	\$6.90	\$0.40	\$0.00	\$3.75	\$0.06	\$0.00	\$0.00	\$48.03	\$62.44
Apprentice Cement Mason	Percent											
1st year	70.00	\$20.68	\$8.59	\$6.90	\$0.40	\$0.00	\$4.00	\$0.06	\$0.00	\$0.00	\$40.63	\$50.97
2nd year	80.00	\$23.63	\$8.59	\$6.90	\$0.40	\$0.00	\$4.00	\$0.06	\$0.00	\$0.00	\$43.58	\$55.40
3rd year	90.00	\$26.59	\$8.59	\$6.90	\$0.40	\$0.00	\$4.00	\$0.06	\$0.00	\$0.00	\$46.54	\$59.83
Plasterer Apprentice												
1st year	68.35	\$20.19	\$8.09	\$6.90	\$0.40	\$0.00	\$3.75	\$0.06	\$0.00	\$0.00	\$39.39	\$49.49
2nd year	78.10	\$23.07	\$8.09	\$6.90	\$0.40	\$0.00	\$3.75	\$0.06	\$0.00	\$0.00	\$42.27	\$53.81
3rd year	87.85	\$25.95	\$8.09	\$6.90	\$0.40	\$0.00	\$3.75	\$0.06	\$0.00	\$0.00	\$45.15	\$58.13

Special Calculation Note : Other is for International Training.

Ratio :

1 Journeymen to 1 Apprentice
5 Journeymen to 2 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

CARROLL, HOLMES, MEDINA, PORTAGE, STARK, SUMMIT, TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Finishers when applying colorshake shall be paid an additional \$2.00 per DAY.
Swing Scaffolds up to 50 feet shall be paid \$0.25 above the Journeymen rate.
Swing Scaffolds over 50 feet shall be paid \$0.35 above the Journeymen rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside

Change # : LCN01-2019fbLoc306in

Craft : Electrical Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$34.89		\$9.71	\$1.05	\$0.70	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$55.35	\$72.79
Electrician w/10 hrs JATC training in the past 12 months	\$35.39		\$9.71	\$1.06	\$0.71	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$55.87	\$73.56
Cable Splicer	\$38.38		\$9.71	\$1.15	\$0.77	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$59.01	\$78.20
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.93		\$9.71	\$1.17	\$0.78	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$59.59	\$79.05
Apprentice	Percent											
1st period	40.00	\$13.96	\$9.71	\$0.42	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.37	\$31.34
2nd period	45.00	\$15.70	\$9.71	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$34.04
3rd period	50.00	\$17.44	\$9.71	\$0.52	\$0.35	\$0.00	\$4.50	\$0.00	\$0.00	\$0.00	\$32.53	\$41.25
4th period	55.00	\$19.19	\$9.71	\$0.58	\$0.38	\$0.00	\$4.95	\$0.00	\$0.00	\$0.00	\$34.81	\$44.40
5th period	65.00	\$22.68	\$9.71	\$0.68	\$0.45	\$0.00	\$5.85	\$0.00	\$0.00	\$0.00	\$39.37	\$50.71
6th period	80.00	\$27.91	\$9.71	\$0.84	\$0.56	\$0.00	\$7.20	\$0.00	\$0.00	\$0.00	\$46.22	\$60.18

Special Calculation Note :

Ratio :

Each job site

2 Apprentices to 3 Journeymen or fraction thereof:

1 - 3 Journeymen to 2 Apprentice

4 - 6 Journeymen to 4 Apprentice

7 - 9 Journeymen to 6 Apprentice

10-12 Journeymen to 8 Apprentice

13-15 Journeymen to 10 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

First person assigned to a job site shall be a Journeyman Wireman

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Canaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside Lt Commercial Northern

Change # : LCN02-2019fbLoc306in

Craft : Electrical Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrician	\$34.89	\$8.90	\$1.04	\$0.70	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.34	\$72.78
Electrician w/10 hrs JATC training in the past 12 months	\$35.39	\$8.90	\$1.06	\$0.71	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.87	\$73.56
Cable Splicer	\$38.38	\$8.90	\$1.15	\$0.77	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.01	\$78.20
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.93	\$8.90	\$1.17	\$0.78	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.59	\$79.06
CE-3 12,001-14,000 Hrs	\$25.00	\$5.95	\$0.75	\$0.82	\$0.00	\$0.75	\$0.10	\$0.00	\$0.00	\$33.37	\$45.87
CE-2 10,001-12,000 Hrs	\$19.64	\$5.95	\$0.59	\$0.82	\$0.00	\$0.59	\$0.10	\$0.00	\$0.00	\$27.69	\$37.51
CE-1 8,001-10,000 Hrs	\$17.86	\$5.95	\$0.54	\$0.82	\$0.00	\$0.54	\$0.10	\$0.00	\$0.00	\$25.81	\$34.74
CW-4 6,001-8,000 Hrs	\$16.07	\$5.95	\$0.48	\$0.82	\$0.00	\$0.48	\$0.10	\$0.00	\$0.00	\$23.90	\$31.94
CW-3 4,001-6,000 Hrs	\$14.28	\$5.95	\$0.43	\$0.82	\$0.00	\$0.43	\$0.10	\$0.00	\$0.00	\$22.01	\$29.15
CW-2 2,001-4,000 Hrs	\$13.39	\$5.95	\$0.40	\$0.82	\$0.00	\$0.40	\$0.10	\$0.00	\$0.00	\$21.06	\$27.75
CW-1 0-2,000 Hrs	\$12.50	\$5.95	\$0.38	\$0.82	\$0.00	\$0.38	\$0.10	\$0.00	\$0.00	\$20.13	\$26.38

Apprentice	Percent											
1st period	40.00	\$13.96	\$9.71	\$0.42	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.37	\$31.34
2nd period	45.00	\$15.70	\$9.71	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$34.04
3rd period	50.00	\$17.44	\$9.71	\$0.52	\$0.35	\$0.00	\$4.50	\$0.00	\$0.00	\$0.00	\$32.53	\$41.25
4th period	55.00	\$19.19	\$9.71	\$0.58	\$0.38	\$0.00	\$4.95	\$0.00	\$0.00	\$0.00	\$34.81	\$44.40
5th period	65.00	\$22.68	\$9.71	\$0.68	\$0.45	\$0.00	\$5.85	\$0.00	\$0.00	\$0.00	\$39.37	\$50.71
6th period	80.00	\$27.91	\$9.71	\$0.84	\$0.56	\$0.00	\$7.20	\$0.00	\$0.00	\$0.00	\$46.22	\$60.18

Special Calculation Note : Other is for Retirement Health and Welfare and Adminstration Fund for CE/CW.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**
MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Each job site
2 Apprentices to 3 Journeymen or fraction thereof:
1 - 3 Journeymen to 2 Apprentice
4 - 6 Journeymen to 4 Apprentice
7 - 9 Journeymen to 6 Apprentice
10-12 Journeymen to 8 Apprentice
13-15 Journeymen to 10 Apprentice

First person assigned to a job site shall be a Journeyman
Wireman

Construction Electrician and Construction Wireman Ratio
There shall be a minimum ratio of one inside Journeyman
Wireman to every (4) employees of different classifications
per jobsite. An Inside Journeyman Wireman is required on
the project as the fifth (5th) worker or when apprentices are
used.

Special Jurisdictional Note :
Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).
Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).
Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

The scope of work for the light commercial agreement shall apply to the following small medical clinics, stand-alone doctor and dentist offices with up to 600 amp service (not attached to a hospital), gas stations/convenience stores, fast food restaurants and franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurants facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless other wise covered under this agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) Lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures.

Details :
This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all

work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Lightning Rod

Change # : LCN01-2019fbLoc306VDV

Craft : Voice Data Video Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lightning Protection Installer	\$29.50		\$7.50	\$0.89	\$0.00	\$2.09	\$1.77	\$0.00	\$0.00	\$0.00	\$41.75	\$56.50
Apprentice	Percent											
1st Day- 6 months	50.00	\$14.75	\$7.50	\$0.44	\$0.00	\$0.00	\$0.89	\$0.39	\$0.00	\$0.00	\$23.97	\$31.35
2nd 6 months	55.00	\$16.23	\$7.50	\$0.49	\$0.00	\$0.00	\$0.97	\$0.43	\$0.00	\$0.00	\$25.61	\$33.73
3rd 6 months	60.00	\$17.70	\$7.50	\$0.53	\$0.00	\$0.87	\$1.06	\$0.00	\$0.00	\$0.00	\$27.66	\$36.51
4th 6 months	65.00	\$19.17	\$7.50	\$0.58	\$0.00	\$0.94	\$1.15	\$0.00	\$0.00	\$0.00	\$29.34	\$38.93
3rd Year	70.00	\$20.65	\$7.50	\$0.62	\$0.00	\$1.47	\$1.24	\$0.00	\$0.00	\$0.00	\$31.48	\$41.80
4th Year	80.00	\$23.60	\$7.50	\$0.71	\$0.00	\$1.68	\$1.42	\$0.00	\$0.00	\$0.00	\$34.91	\$46.71
5th Year	90.00	\$26.55	\$7.50	\$0.80	\$0.00	\$1.89	\$1.59	\$0.00	\$0.00	\$0.00	\$38.33	\$51.61

Special Calculation Note : Other is Holiday

Ratio : 1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) : MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Special Jurisdictional Note : In Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York). In Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield). In Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Voice Data Video

Change # : LCN01-2019fbLoc306VDV

Craft : Voice Data Video Effective Date : 01/30/2019 Last Posted : 01/30/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Installer Technician	\$23.85	\$8.05	\$0.75	\$0.37	\$1.07	\$2.75	\$0.51	\$0.00	\$0.00	\$37.35	\$49.28
Cable Puller	\$13.12	\$8.05	\$0.39	\$0.20	\$0.57	\$1.51	\$0.51	\$0.00	\$0.00	\$24.35	\$30.91
Journeyman/Tech with 10 Hrs of Journeyman Training	\$24.35	\$8.05	\$0.76	\$0.38	\$1.10	\$2.75	\$0.51	\$0.00	\$0.00	\$37.90	\$50.08
Apprentice	Percent										
1st Period	55.00	\$13.12	\$8.05	\$0.38	\$0.20	\$0.59	\$1.51	\$0.51	\$0.00	\$24.36	\$30.92
2nd Period	65.00	\$15.50	\$8.05	\$0.45	\$0.23	\$0.70	\$1.79	\$0.51	\$0.00	\$27.23	\$34.98
3rd Period	75.00	\$17.89	\$8.05	\$0.52	\$0.27	\$0.81	\$2.06	\$0.51	\$0.00	\$30.11	\$39.05
4th Period	80.00	\$19.08	\$8.05	\$0.56	\$0.29	\$0.86	\$2.20	\$0.51	\$0.00	\$31.55	\$41.09
5th Period	85.00	\$20.27	\$8.05	\$0.59	\$0.30	\$0.91	\$2.34	\$0.51	\$0.00	\$32.97	\$43.11
6th Period	90.00	\$21.47	\$8.05	\$0.63	\$0.32	\$0.97	\$2.48	\$0.51	\$0.00	\$34.42	\$45.16

Special Calculation Note : Other is Retiree Health Fund.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**
1 Journeyman to 1 Apprentice MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Special Jurisdictional Note : In Medina County the following townships are included: Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York.

In Portage County the following townships are included: Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield.

In Wayne County the following townships are included: Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne.

Details :

The following work is EXCLUDED from the Teledata Technician scope of work:

Installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.

Installation of conduit and/or raceways shall be installed by Inside Wireman . On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway or conduit not greater than 10 foot.

Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit.

All HVAC control work.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 High Tension Pipe Type Cable

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Certified Lineman Welder	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Certified Cable Splicer	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Operator A	\$39.02	\$6.00	\$1.17	\$0.39	\$0.00	\$8.97	\$0.35	\$0.00	\$0.00	\$55.90	\$75.41
Operator B	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60
Operator C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79
Groundman 0-12 months Exp	\$21.74	\$6.00	\$0.65	\$0.22	\$0.00	\$5.00	\$0.35	\$0.00	\$0.00	\$33.96	\$44.83
Groundman 0-12 months Exp w/CDL	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68
Groundman 1 yr or more	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68
Groundman 1 yr or more w/CDL	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37
Equipment Mechanic A	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60
Equipment Mechanic B	\$31.26	\$6.00	\$0.94	\$0.31	\$0.00	\$7.19	\$0.35	\$0.00	\$0.00	\$46.05	\$61.68
Equipment Mechanic C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79
X-Ray Technician	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30

Apprentice	Percent											
1st 1000 hrs	60.00	\$26.09	\$6.00	\$0.78	\$0.26	\$0.00	\$6.00	\$0.35	\$0.00	\$0.00	\$39.48	\$52.52
2nd 1000 hrs	65.00	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37
3rd 1000 hrs	70.00	\$30.44	\$6.00	\$0.91	\$0.30	\$0.00	\$7.00	\$0.35	\$0.00	\$0.00	\$45.00	\$60.21
4th 1000 hrs	75.00	\$32.61	\$6.00	\$0.98	\$0.33	\$0.00	\$7.50	\$0.35	\$0.00	\$0.00	\$47.77	\$64.07
5th 1000 hrs	80.00	\$34.78	\$6.00	\$1.04	\$0.35	\$0.00	\$8.00	\$0.35	\$0.00	\$0.00	\$50.52	\$67.92
6th 1000 hrs	85.00	\$36.96	\$6.00	\$1.11	\$0.37	\$0.00	\$8.50	\$0.35	\$0.00	\$0.00	\$53.29	\$71.77
7th 1000 hrs	90.00	\$39.13	\$6.00	\$1.17	\$0.39	\$0.00	\$9.00	\$0.35	\$0.00	\$0.00	\$56.04	\$75.61

Special Calculation Note : Other is Health Retirement Account

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater then 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger-wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

*All Operators of cranes 45 ton or larger shall be paid the journeyman rate of pay. \$0.30 is for Health Retirement Account.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN,

Special Jurisdictional Note :

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Substation Technician	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Cable Splicer	\$43.14	\$6.00	\$1.29	\$0.43	\$0.00	\$9.92	\$0.35	\$0.00	\$0.00	\$61.13	\$82.70
Operator A	\$37.00	\$6.00	\$1.11	\$0.37	\$0.00	\$8.51	\$0.35	\$0.00	\$0.00	\$53.34	\$71.84
Operator B	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Operator C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Groundman 0-12 months Exp	\$20.61	\$6.00	\$0.62	\$0.21	\$0.00	\$4.74	\$0.35	\$0.00	\$0.00	\$32.53	\$42.84
Groundman 0-12 months Exp w/CDL	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more w/CDL	\$26.80	\$6.00	\$0.80	\$0.27	\$0.00	\$6.16	\$0.35	\$0.00	\$0.00	\$40.38	\$53.78
Equipment Mechanic A	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Equipment Mechanic B	\$29.62	\$6.00	\$0.89	\$0.30	\$0.00	\$6.81	\$0.35	\$0.00	\$0.00	\$43.97	\$58.78
Equipment Mechanic C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Line Truck w/uuger	\$29.17	\$6.00	\$0.88	\$0.29	\$0.00	\$6.71	\$0.35	\$0.00	\$0.00	\$43.40	\$57.99
Apprentice	Percent										

1st 1000 hrs	60.00	\$24.73	\$6.00	\$0.74	\$0.25	\$0.00	\$5.69	\$0.35	\$0.00	\$0.00	\$37.76	\$50.13
2nd 1000 hrs	65.00	\$26.79	\$6.00	\$0.80	\$0.27	\$0.00	\$6.16	\$0.35	\$0.00	\$0.00	\$40.37	\$53.77
3rd 1000 hrs	70.00	\$28.85	\$6.00	\$0.87	\$0.29	\$0.00	\$6.64	\$0.35	\$0.00	\$0.00	\$43.00	\$57.43
4th 1000 hrs	75.00	\$30.91	\$6.00	\$0.93	\$0.31	\$0.00	\$7.11	\$0.35	\$0.00	\$0.00	\$45.62	\$61.07
5th 1000 hrs	80.00	\$32.98	\$6.00	\$0.99	\$0.33	\$0.00	\$7.59	\$0.35	\$0.00	\$0.00	\$48.24	\$64.72
6th 1000 hrs	85.00	\$35.04	\$6.00	\$1.05	\$0.35	\$0.00	\$8.06	\$0.35	\$0.00	\$0.00	\$50.85	\$68.37
7th 1000 hrs	90.00	\$37.10	\$6.00	\$1.11	\$0.37	\$0.00	\$8.53	\$0.35	\$0.00	\$0.00	\$53.46	\$72.01

Special Calculation Note : Other is Health Retirement Account

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger-wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note : 0.30 is for Health Retirement Account.

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers,

smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside (North Central Ohio)

Change # : LCN01-2019fbLoc71CentralOhio

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$38.27	\$6.00	\$1.15	\$0.38	\$0.00	\$6.89	\$0.06	\$0.00	\$0.00	\$52.75	\$71.89
Traffic Signal & Lighting Journeyman	\$36.81	\$6.00	\$1.10	\$0.37	\$0.00	\$6.63	\$0.06	\$0.00	\$0.00	\$50.97	\$69.37
Equipment Operator	\$33.62	\$6.00	\$1.01	\$0.34	\$0.00	\$6.05	\$0.06	\$0.00	\$0.00	\$47.08	\$63.89
Groundman 0-12 months (W/O CDL)	\$20.39	\$6.00	\$0.61	\$0.20	\$0.00	\$3.67	\$0.06	\$0.00	\$0.00	\$30.93	\$41.13
Groundman 0-12 months (W/CDL) plus	\$22.27	\$6.00	\$0.67	\$0.22	\$0.00	\$4.01	\$0.06	\$0.00	\$0.00	\$33.23	\$44.37
Groundsman greater than 1 Year (W/CDL)	\$24.17	\$6.00	\$0.73	\$0.24	\$0.00	\$4.35	\$0.06	\$0.00	\$0.00	\$35.55	\$47.64
Traffic Signal Apprentices											
1st 1,000 hours	\$22.09	\$6.00	\$0.66	\$0.22	\$0.00	\$3.98	\$0.06	\$0.00	\$0.00	\$33.01	\$44.05
2nd 1,000 hours	\$23.93	\$6.00	\$0.72	\$0.24	\$0.00	\$4.31	\$0.06	\$0.00	\$0.00	\$35.26	\$47.23
3rd 1,000 hours	\$25.77	\$6.00	\$0.77	\$0.26	\$0.00	\$4.64	\$0.06	\$0.00	\$0.00	\$37.50	\$50.39
4th 1,000 hours	\$27.61	\$6.00	\$0.83	\$0.28	\$0.00	\$4.97	\$0.06	\$0.00	\$0.00	\$39.75	\$53.56
5th 1,000 hours	\$29.45	\$6.00	\$0.88	\$0.29	\$0.00	\$5.30	\$0.06	\$0.00	\$0.00	\$41.98	\$56.71
6th 1,000 hours	\$33.13	\$6.00	\$0.99	\$0.33	\$0.00	\$5.96	\$0.06	\$0.00	\$0.00	\$46.47	\$63.04
Apprentice	Percent										

Lineman												
1st 1,000 Hours	60.00	\$22.96	\$6.00	\$0.69	\$0.23	\$0.00	\$4.13	\$0.06	\$0.00	\$0.00	\$34.07	\$45.55
2nd 1,000 Hours	65.00	\$24.88	\$6.00	\$0.75	\$0.25	\$0.00	\$4.48	\$0.06	\$0.00	\$0.00	\$36.42	\$48.85
3rd 1,000 Hours	70.00	\$26.79	\$6.00	\$0.80	\$0.27	\$0.00	\$4.82	\$0.06	\$0.00	\$0.00	\$38.74	\$52.13
4th 1,000 Hours	75.00	\$28.70	\$6.00	\$0.86	\$0.29	\$0.00	\$5.17	\$0.06	\$0.00	\$0.00	\$41.08	\$55.43
5th 1,000 Hours	80.00	\$30.62	\$6.00	\$0.92	\$0.31	\$0.00	\$5.51	\$0.06	\$0.00	\$0.00	\$43.42	\$58.72
6th 1,000 Hours	85.00	\$32.53	\$6.00	\$0.98	\$0.33	\$0.00	\$5.86	\$0.06	\$0.00	\$0.00	\$45.76	\$62.02
7th 1,000 Hours	90.00	\$34.44	\$6.00	\$1.03	\$0.34	\$0.00	\$6.20	\$0.06	\$0.00	\$0.00	\$48.07	\$65.29

Special Calculation Note : Other is Safety & Education Fund.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**
 1 Journeymen to 1 Apprentice
 BELMONT, CARROLL, HARRISON, HOLMES, JEFFERSON, MEDINA, PORTAGE, STARK, SUMMIT, WAYNE

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeyman in the performance of his/her work on the ground, including the use of hand tools. A Groundman under no circumstances shall climb poles, towers, ladders, or work from an elevated platform or bucket truck.

No more than three (3) Groundmen shall work alone. Jobs with more than three Groundmen shall be supervised by a Groundcrew Foreman, Journeyman Lineman, Journeyman Traffic Signal Technician or an Equipment Operator.

Scope of Work: installation and maintenance of highway and street lighting, highway and street sign lighting, electronic message boards and traffic control systems, camera systems, traffic signal work, substation and line construction including overhead and underground projects for private and industrial work as in accordance with the IBEW Constitution. This Agreement includes the operation of all tools and equipment necessary for the installation of the above projects.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Voice Data Video Outside

Change # : LCR01-2017fbLoc71VDV

Craft : Voice Data Video Effective Date : 10/18/2017 Last Posted : 10/18/2017

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Installer Technician I	\$23.46	\$5.50	\$0.70	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$29.96	\$41.69
Installer Technician II	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Equipment Operator I	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Equipment Operator II	\$18.43	\$5.50	\$0.55	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$24.78	\$33.99
Installer /Repair Outside	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Ground Driver W/CDL	\$15.83	\$5.50	\$0.47	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$22.10	\$30.01
Groundman	\$13.24	\$5.50	\$0.40	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$19.44	\$26.06
Cable Splicer	\$23.46	\$5.50	\$0.70	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$29.96	\$41.69

Special Calculation Note :

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI,

MONROE, MONTGOMERY, MORGAN, MORROW,
MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE,
PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO,
SHELBY, STARK, SUMMIT, TRUMBULL,
TUSCARAWAS, UNION, VINTON, WARREN,
WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

Cable Splicer: Inspect and test lines or cables, analyze results, and evaluate transmission characteristics. Cover conductors with insulation or seal splices with moisture-proof covering. Install, splice, test, and repair cables using tools or mechanical equipment. This will include the splicing of fiber.

Journeyman Technician I: Must know all aspects of telephone and cable work. This is to include aerial, underground, and manhole work. Must know how to climb and run bucket. Must have all the tools required to perform these tasks. Must be able to be responsible for the safety of the crew at all times. Must also have CDL license and have at least 5 years experience.

Installer/Repairman: Perform tasks of repairing, installing, and testing phone and CATV services.

Technician II: Have at least three years of telephone and CATV experience. Must have the knowledge of underground, aerial, and manhole work. Must be able to climb and operate bucket. Must have CDL. Must have all tools needed to perform these tasks.

Equipment Operator I: Able to operate a digger derrick or bucket truck. Have at least 5 years of experience and must have a valid CDL license.

Equipment Operator II: Able to operate a digger derrick or bucket truck. Have at least 3 years of experience and must have a valid CDL license.

Groundman W/CDL: Must have a valid CDL license and be able to perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Must have at least 5 year's experience.

Groundman: Perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Experience 0-5 years.

Prevailing Wage Rate Skilled Crafts

Name of Union: Elevator Local 45

Change # : LCN01-2012kpLoc45

Craft : Elevator Effective Date : 04/04/2012 Last Posted : 04/04/2012

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Elevator Mechanic	\$41.92		\$11.03	\$6.96	\$0.55	\$3.35	\$5.00	\$0.00	\$0.00	\$0.00	\$68.81	\$89.77
Helper	\$29.34		\$11.03	\$6.96	\$0.55	\$1.76	\$5.00	\$0.00	\$0.00	\$0.00	\$54.64	\$69.31
Apprentice	Percent											
Apprentice												
0-6 months Probation	50.00	\$20.96	\$11.03	\$6.96	\$0.55	\$1.26	\$5.00	\$0.00	\$0.00	\$0.00	\$45.76	\$56.24
1st year	55.00	\$23.06	\$11.03	\$6.96	\$0.55	\$1.38	\$5.00	\$0.00	\$0.00	\$0.00	\$47.98	\$59.50
2nd year	65.00	\$27.25	\$11.03	\$6.96	\$0.55	\$1.64	\$5.00	\$0.00	\$0.00	\$0.00	\$52.43	\$66.05
3rd year	70.00	\$29.34	\$11.03	\$6.96	\$0.55	\$1.76	\$5.00	\$0.00	\$0.00	\$0.00	\$54.64	\$69.32
4th year	80.00	\$33.54	\$11.03	\$6.96	\$0.55	\$2.01	\$5.00	\$0.00	\$0.00	\$0.00	\$59.09	\$75.85

Special Calculation Note : Vacation moves to 8% of BHR after 5 years

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**

The total number of Helpers & Apprentices employed shall not exceed the number of Mechanics on any one job, except on jobs where (2) teams or more are working, (1) extra Helper or Apprentice may be employed for the first (2) teams and an extra Helper or Apprentice for each additional (3) teams.

ASHLAND, CARROLL, COLUMBIANA, COSHOCTON, HARRISON, HOLMES, MAHONING, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Vacation 6%/under 5 years based on regular hourly rate for all hours worked. 8%/over 5 years based on regular hourly rate for all hours worked.

Prevailing Wage Rate Skilled Crafts

Name of Union: Glazier Local 1162

Change # : LCN02-2017fbLoc1162

Craft : Glazier Effective Date : 11/08/2017 Last Posted : 11/08/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Glazier	\$25.00		\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$37.79	\$50.29
Apprentice	Percent											
1st 6 months	50.00	\$12.50	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$25.29	\$31.54
2nd 6 months	55.00	\$13.75	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$26.54	\$33.42
3rd 6 months	60.00	\$15.00	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$27.79	\$35.29
4th 6 months	65.00	\$16.25	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$29.04	\$37.17
5th 6 months	70.00	\$17.50	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$30.29	\$39.04
6th 6 months	75.00	\$18.75	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$31.54	\$40.92
7th 6 months	80.00	\$20.00	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$32.79	\$42.79
8th 6 months	90.00	\$22.50	\$6.48	\$5.76	\$0.30	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00	\$35.29	\$46.54

Special Calculation Note : OTHER IS : Supplemental Unemployment Benefits

Ratio :

1 Journeyman to 1 Apprentice
3 Journeymen to 1 Apprentice Thereafter

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON, HOLMES,
MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT,
TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Add \$1.25 per hour for High Pay which is all work that requires the employee be supported by equipment which hangs or suspends from the roof of a building or structure including all repelling .

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 17

Change # : LCN01-2017fbLoc17

Craft : **Ironworker** Effective Date : **05/24/2017** Last Posted : **05/24/2017**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker	\$31.30		\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$54.80	\$70.45
Apprentice	Percent											
1st 6 Months	50.00	\$15.65	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$39.15	\$46.97
2nd 6 Months	55.00	\$17.22	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$40.72	\$49.32
2nd Year 1st 6 Months	70.00	\$21.91	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$45.41	\$56.37
2nd Year 2nd 6 Months	75.00	\$23.48	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$46.97	\$58.71
3rd Year 1st 6 Months	80.00	\$25.04	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$48.54	\$61.06
3rd Year 2nd 6 Months	85.00	\$26.60	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$50.10	\$63.41
4th Year 1st 6 Months	90.00	\$28.17	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$51.67	\$65.76
4th Year 2nd 6 Months	95.00	\$29.73	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$53.24	\$68.10

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

4 Journeymen to 1 Apprentice on Structural Work
 3 Journeymen to 1 Apprentice on Rod Work
 2 Journeymen to 1 Apprentice on Finishing, Steel Sash, Stairway and Ornamental Work
 1 Apprentice for every Sheeting Gang
 1 Journeymen to 2 Apprentice Roadway Signage and Sound Barriers

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note : West Boundary Line :Sandusky, Ohio: Boundary lines between Local 17 & Local 55 are as follows: Columbus Ave north to Sandusky Bay (and/or Lake Erie): Columbus Ave South to present Route 4: Route 4 South to present Route 99: from Route 99 south to old Route 224-all territory to the west of the boundary line to be the jurisdiction of Local 55.All territory to the East of the boundary line to be the jurisdiction of Local 17.Kelly's Island to be within jurisdiction of Local 17.All bridges,tunnels,viaducts,etc, relative to these boundary lines shall be the jurisdiction of Local 17

South Boundary Line:Canton, Ohio: Boundary lines between Local 17 & Local 550 are as follows: All territory north of old Route 224 line to be the jurisdiction of Local 17. All bridges,tunnels,viaducts,signs,etc, relative to old Route 224 line to be within the jurisdiction of Local 17. All territory south of old Route 224 line is to be within the jurisdiction of Local 550, except for everything within the city limits of Barberton which shall be the jurisdiction of Local 17.

Reading from West to East: Route old 224 line: Greenwich Ave-Wooster Road or East Ave. Route old 224 line: New 224 line including Cloverleaf: East Waterloo Road: New 224 line-Attwood Road-Old 224. This will be considered to be the old Route 224 line,except for the city limits of Barberton, Ohio which shall be the jurisdiction of Local 17

Southeast Boundary : Between local 17 and Local 207 are as follows: West of a line from Middlefield to Shalersville to Deerfield, shall be under the jurisdiction of local 17. East of a line from Middlefield, to Shalersville to Deerfield, shall be under the jurisdiction of Local 207.

Local 17 & Local 207 have agreed that the Ohio County of Ashtabula shall be as follows: Everything North of Route 6, starting at the Geauga County line, proceeding east to State Route 45, shall be under the jurisdiction of Local 17. Everything South, starting at the Geauga County line shall be under local 207.

North Boundary: The East boundary line and the West boundary line continuing North halfway across Lake Erie.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 2

Change # : LCN01-2019fbLaborHevHwy2

Craft : Laborer Group 1 Effective Date : 05/23/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	\$32.05		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.30	\$59.33
Group 2	\$32.22		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.47	\$59.58
Group 3	\$32.55		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.80	\$60.08
Group 4	\$33.00		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.25	\$60.75
Watch Person	\$24.35		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$35.60	\$47.78
Apprentice	Percent											
0-1000 hrs	60.00	\$19.23	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$30.48	\$40.10
1001-2000 hrs	70.02	\$22.44	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$33.69	\$44.91
2001-3000 hrs	80.00	\$25.64	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$36.89	\$49.71
3001-4000 hrs	90.00	\$28.84	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$40.10	\$54.52
More Than 4000 hrs	100.00	\$32.05	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.30	\$59.33

Special Calculation Note : Watchman has no Apprentices. Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate.

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, ERIE, HURON, LORAIN, LUCAS,
MAHONING, MEDINA, OTTAWA, PORTAGE,
SANDUSKY, STARK, SUMMIT, TRUMBULL, WOOD

Special Jurisdictional Note : Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site, Sewer Plant, Waste Water Treatment Facilities Construction

Details :

Group 1
Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting

Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C)

***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

Group 3

Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

Group 4

Miner, Welder, Guniting Nozzle Person

A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc.

The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor Local 894 Building

Change # : LCN01-2018fbLoc894

Craft : Laborer Effective Date : 06/01/2018 Last Posted : 05/25/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	\$31.07		\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.07	\$57.61
Laborer Group 2	\$31.22		\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.22	\$57.83
Laborer Group 3	\$31.27		\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.27	\$57.91
Laborer Group 4	\$31.57		\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.57	\$58.36
Laborer Group 5	\$26.10		\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$37.10	\$50.15
Apprentice	Percent											
1ST 1-1000 hrs	60.00	\$18.64	\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$29.64	\$38.96
2nd 1000-2000 hrs	70.00	\$21.75	\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$32.75	\$43.62
3rd 2000-3000 hrs	80.00	\$24.86	\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$35.86	\$48.28
4th 3000-4000 hrs	90.00	\$27.96	\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$38.96	\$52.94
More than 4000 hrs	100.00	\$31.07	\$6.90	\$3.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.07	\$57.61

Special Calculation Note : \$0.10 for LECET is for Labor Management

Ratio :

1 Apprentice to 1 Journeymen
1 Apprentice to 4 Journeymen

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Group 1
Building & Construction Laborer, Welder Helper, Carpenter Tender, Landscape Laborer, Mason Tender, Concrete Bucket Tender, Concrete & Construction Specialist, Asbestos Laborer, Toxic/Hazardous Waste Laborer, Lead Removal,

Level D

Group 2

Air Driven Boring Machine, Tamper Operator, Asphalt Raker, Paving Bed Maker, Concrete Puddler on Building Work, Concrete Batch Dumper, Materials Mixer, Wire Mesh Handler, Hook-up on Demolition Work, Scaffold Erector, Structural, Precast Erector, Power Tools - Air, Gas or Electric, Hazardous Waste Laborer, Lead Removal Level C

Group 3

Pipe Layer, Rock Driller, Mucker-Tunnel, Burner, Form Setter, Power Saw Jackhammer, Bottom Man, Hod Carrier, Power Buggy or Power Wheelbarrow, Bob Cat, Skid Steer Work and or similar, Hazardous Waste Laborer, Lead Removal Level B

Group 4

Gunnite Nozzle Man, Tunnel Miner, Water Link Caulker, Dynamite Man, Structural Precast Welder, Pump Hose Nozzle Man, Hazardous Waste Laborer, Lead Removal Level A

Group 5

Watchman

Hazardous Waste Removal and Lead Abatement:

For Laborers, working in an exclusive or "hot" area with toxic or hazardous materials, one of the following personal protective equipment ensembles will be required.

Level A

When the area has been determined to contain extremely toxic contaminants or contaminants unknown but may be expected to be extremely toxic and/or immediately dangerous to life and health. This ensemble includes a fully encapsulated chemical suit, self contained breathing apparatus (SCBA) or airline fed respirator, and various types and numbers of boots and gloves; cool vests and voice-activated radios are optional equipment sometimes worn.

Level B

Protective equipment includes a chemically resistant splash suit and a SCBA or airline respirator. This ensemble is required when the situation is very hazardous, such as oxygen deficient atmospheres, IDLH atmospheres, or confined space entries, but the risk of skin exposure is not as great as in Level A situation.

Level C

Protective equipment includes a protective suit and an air purifying respirator (APR) with the appropriate filter canisters. The ensemble is used when the contaminants are reliably known not to be hazardous to the skin and not IDLH (Immediately Dangerous to Life or Health) and correct filter protection is available.

Level D

Protective Equipment to be worn only in established "safe zones" may consist of, from normal work clothes to normal skin protection such as gloves, face shields goggles, coveralls and occasionally respiratory protection.

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - Building Local 18 - Zone I

Change # : LCN01-2019fbLoc18

Craft : Operating Engineer **Effective Date :** 05/01/2019 **Last Posted :** 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Class 1	\$38.63		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.83	\$73.15
Class 2	\$38.53		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.73	\$73.00
Class 3	\$37.49		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.69	\$71.43
Class 4	\$36.27		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$51.47	\$69.60
Class 5	\$30.98		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.18	\$61.67
Class 6	\$38.88		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.08	\$73.52
Class 7	\$39.13		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.33	\$73.90
Class 8	\$39.63		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.83	\$74.65
Class 9	\$39.88		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.08	\$75.02
Apprentice	Percent											
1st Year	50.00	\$19.32	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.52	\$44.17
2nd Year	60.00	\$23.18	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.38	\$49.97
3rd Year	70.00	\$27.04	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.24	\$55.76
4th Year	80.00	\$30.90	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.10	\$61.56
Field Mechanic Trainee												
1st Year	50.00	\$19.32	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.52	\$44.17
2nd Year	60.00	\$23.18	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.38	\$49.97
3rd Year	70.00	\$27.04	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.24	\$55.76
4th Year	80.00	\$30.90	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.10	\$61.56

Special Calculation Note : Other: Education & Safety Fund is \$0.09 per hour.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**

For every (3) Operating Engineer Journeymen employed by SUMMIT, PORTAGE the company ,there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An apprentice, while employed as part of a crew per Article VIII, paragraph 77, will not be subject to the apprenticeship ratios in this collective bargaining

Special Jurisdictional Note :

Details :

Note: There will be a 10% increase for the apprentices on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% increase if required to have CDL

Class 1 - Barrier Moving Machine; Boiler Operators or Compressor Operators, when compressor or boiler is mounted on crane (Piggyback Operation); Boom Trucks (all types); Cableways Cherry Pickers; Combination - Concrete Mixers & Towers; All Concrete Pumps with Booms; Cranes (all types) Derricks (all types); Draglines Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Gradalls; Helicopter Operators; hoisting building materials; Helicopter Winch Operators, Hoisting building materials; Hoes (All types) Hoists (with two or more drums in use); Hydraulic Gantry (lift system); Laser Finishing Machines; Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Engineers (Mechanic and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps, with booms, Panelboards, (all types on site); Pile Drivers; Power Shovels; Prentice Loader; Rail Tamper (with automatic lifting and aligning device); Rotary Drills (all), used on caissons for foundations and sub-structure work; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Tug Boats. Horizontal Directional Drill, Rough Terrain Fork-lift with Winch/Hoist, Laser Screed, and Like equipment, Compact Cranes, track or rubber over 4,000 pound capacity, self-erecting cranes: stationary, track or truck (all configurations) bucket trench machines (over 24 " wide).

Class 2 - Asphalt Pavers; Bobcat-type and/or skid steer loader with hoe attachment greater than 7000 lbs.; Bulldozers; CMI type Equipment; C; Endloaders; Hydro Milling Machine; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Pettibone-Rail Equipment; Power Graders; Power Scoops; Power Scrapers; Push Cats; Vermeer Type Concrete Saw, All rotomills, grinders & planers of all types. Articulating/end dumps (minus \$4.00/hour from Class 2 rate)

Class 3 - A Frames; Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Bobcat-type and/or skid steer loader with or without attachments; Boilers (15 lbs pressure and over); All concrete Pumps (without booms with 5 inch system); Fork Lifts (except masonry); Highway Drillers - all types (with integral power); Hoists (with one drum); House Elevators (except those automatic call button controlled); Man Lifts; Mud Jacks; Pressure Grouting; Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pumps (4 inches and over discharge); Railroad Tie Insert/Remover; Rotator (Lime-Soil Stabilizer); Submersible Pumps (4 inches and over discharge); Switch & Tie Tampers (without lifting and aligning device); Trench Machines (24 inches and under); Utility Operators, Material hoist/elevators.

Class 4 - Ballast Re-locator; Backfillers and Tampers; Batch Plant Operators; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Clefplanes; Compressors, on building construction; Concrete Spreader; Conveyors, used for handling building materials; Concrete Mixers, one bag capacity (side loader); Concrete Mixers, capacity more than one bag; Crushers; Deck Hands; Drum Fireman (in Asphalt Plant); Farm type tractors pulling attachments; Finishing Machines; Form Trenchers; Generators; Guniting Machines; Hydro-Seeders; Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Pressure Pumps (over 1/2 inch discharge); Road Widening Trenchers; Rollers (except asphalt); All Concrete pumps (without Boom with 4 inch or smaller systems); self-propelled Power Spreaders; self-propelled Sub-graders; Shotcrete Machines; Tire Repairmen; Tractors, pulling sheepfoot rollers or graders; VAC/ALLS; Vibratory Compactors, with integral power; Welder Operators.

Class 5 - Boilers (less than 15 lbs. pressure); Inboard/outboard Motor Boat Launches; Light Plant Operators; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen, Submersible Pumps (under 4 inch discharge). Directional Drill Locator and Allen Screed Concrete Paver, Fueling & greasing (plus \$3.00), compact cranes: track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Class 7 - Boom & Jib 150 - 180 feet

Class 8 - Boom & Jib 180 - 249 feet

Class 9 - Boom & Jib 250 - or over

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone I

Change # : LCN01-2019fbLoc18hevhwyI

Craft : Operating Engineer Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Class 1	\$38.63		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.83	\$73.15
Class 2	\$38.53		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.73	\$73.00
Class 3	\$37.49		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.69	\$71.43
Class 4	\$36.27		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$51.47	\$69.60
Class 5	\$30.98		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.18	\$61.67
Class 6	\$38.88		\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.08	\$73.52
Apprentice	Percent											
1st Year	50.00	\$19.32	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.52	\$44.17
2nd Year	60.00	\$23.18	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.38	\$49.97
3rd Year	70.00	\$27.04	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.24	\$55.76
4th Year	80.00	\$30.90	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.10	\$61.56
Field Mech Trainee												
1st year	49.89	\$19.27	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.47	\$44.11
2nd year	59.85	\$23.12	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.32	\$49.88
3rd year	69.82	\$26.97	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.17	\$55.66
4th year	79.78	\$30.82	\$8.26	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.02	\$61.43

Special Calculation Note : Other: Education & Safety Fund is \$0.09 per hour.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**

For every (3) Operating Engineer Journeymen employed by ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, the company , there may be employed (1) Registered Apprenticeship or Trainee Engineer through the referral when they are available. An apprentice, while employed as part of a crew per Article VIII paragraph 65, will not be subject the apprenticeship ratios in this collective bargaining agreement.

Special Jurisdictional Note :

Details :

****Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% if required to have a CDL.**

Class 1 - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types); Derricks (all types); Draglines; Elevating Graders or Euclid Loaders; Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Locomotives (standard guage); Maintenance Operators (class A); Mixers, paving (single or double drum); Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Side Booms; Slip Form Pavers; Tower Dericks; Trench Machines; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators;Industrial-type tractors; Jet Engine - Dryer (D8 or D9) Diesel Tractors Mucking Machines; Multiple Scrapers; Tree Shreddes. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes,track or rubber over 4,000 pound capacity, self-erecting cranes:stationary,track or truck (all configurations) bucket trench machines (over 24 inches wide).

Class 2 - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or skid steer loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; ;Endloaders; Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Maintenance Operators, Class B (Portage and Summit Counties only); Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Trench Machines (24inch wide and under); Vermeer Type Concrete saw. Material Transfer Equipment (Shuttle buggy) Asphalt All rotomills, grinders and planers of all types. Horizontal Directional Drill (Over 50,000 ft.lbs.thrust and over).

Class 3 - A-Frames; Air Compressors, on tunnel work (low Pressure); All Asphalt Rollers; Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rotovator (lime-soil Stabilzer); Switch & Tie Tampers (without lifting and aligning device); Locomotives (narrow gage); Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Utilities Operators, (small equipment); Welding Machines and Generators; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour)

Class 4 - Ballast Re-loacator; Backfillers and Tampers; Batch Plant Operators; Bar and Joint Installing Machines; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yd and under); Conveyors (highway); Concrete Saws (multiple); Crushers; Deckhands; Farm type tractors, with attachments (highway); Finishing Machines; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Tractors, pulling sheepsfoot rollers or graders; Steam Firemen; Vibratory Compactors, with integral power.

Class 5 - Compressors (portable, Sewer, Heavy and Highway); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen; Drum Fireman (in Asphalt Plant); Oil Heaters (Asphalt Plant); Tire Repairmen; VAC/ALLS; Fueling and greasing (plus \$3.00), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639

Change # : LCNO1-2015fbLoc639

Craft : Painter Effective Date : 06/10/2015 Last Posted : 06/10/2015

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Metal Finisher/Helpers											
Top Helper Class A	\$19.09	\$3.65	\$0.00	\$0.00	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$23.40	\$32.94
Top Helper Class B	\$19.09	\$3.65	\$0.65	\$0.00	\$1.03	\$0.00	\$0.37	\$0.00	\$0.00	\$24.79	\$34.33
Top Helper Class C	\$19.09	\$3.65	\$1.00	\$0.00	\$1.76	\$0.00	\$0.37	\$0.00	\$0.00	\$25.87	\$35.41
Helper Class A	\$14.69	\$3.65	\$0.00	\$0.00	\$0.51	\$0.00	\$0.00	\$0.00	\$0.00	\$18.85	\$26.19
Helper Class B	\$14.69	\$3.65	\$0.65	\$0.00	\$0.79	\$0.00	\$0.28	\$0.00	\$0.00	\$20.06	\$27.40
Helper Class C	\$14.69	\$3.65	\$1.00	\$0.00	\$1.64	\$0.00	\$0.28	\$0.00	\$0.00	\$21.26	\$28.60
New Hire 90 Days	\$11.00	\$3.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14.65	\$20.15

Special Calculation Note : Other is Sick and Personal Time

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL,

TUSCARAWAS, UNION, VAN WERT, VINTON,
WARREN, WASHINGTON, WAYNE, WILLIAMS,
WOOD, WYANDOT

Special Jurisdictional Note :

Details :

Top Helper: Shall perform the responsibilities of a Helper and be responsible for the setup, break down, safety and quality of the company's product.

Helper : Shall be responsible for performing tasks in refinishing, compliance with safety procedures, setting up and breaking down job sites, scaffolding and swing stages and preparing surfaces for refinishing including but not limited to, masking and stripping and cleaning, oxidizing, polishing and scratch removal on various surfaces

.

Class A Workers: Less than 1 Year of Service.

Class B Workers: More than 1 and less than 8 Years of Service.

Class C Workers: More than 8 Years of Service.

Metal Polisher Scope of Work: Polishing, buffing, stripping, coloring, lacquering, spraying, cleaning and maintenance of ornamental and architectural metals, iron, bronze, nickel, aluminum and stainless steel and in mental specialty work, various stone finishes, stone specialty work and any other work pertaining to the finishing of metal, stones, woods, and any window washing/cleaning done in conjunction with this work, using chemicals, solvents, coatings and hand applied lacquer thinner, removing scratches from mirror finished metals, burnishing of bronze, statuary finishes on exterior and interior surfaces and the use of all tools required to perform such work, including but not limited to polishes, spray equipment and scaffolding.

Swing State Rate: All work on scaffold 4 sections or higher, including any boom lifts and swing stage scaffolds including the rigging and derigging of hanging/suspended swing stage systems and rappelling/bolson chair work, ADD \$1.50 per hour.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 1 Sign

Change # : LCN01-2019fbLoc639

Craft : Painter Effective Date : 06/12/2019 Last Posted : 06/12/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Sign Erector Service/Patteren/Metal Fab/Neon Class A	\$23.34		\$6.66	\$4.75	\$0.25	\$0.67	\$0.00	\$0.94	\$0.00	\$0.00	\$36.61	\$48.28
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class B	\$23.34		\$6.66	\$4.75	\$0.25	\$1.35	\$0.00	\$0.94	\$0.00	\$0.00	\$37.29	\$48.96
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class C	\$23.34		\$6.66	\$4.75	\$0.25	\$2.02	\$0.00	\$0.94	\$0.00	\$0.00	\$37.96	\$49.63
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class D	\$23.34		\$6.66	\$4.75	\$0.25	\$2.69	\$0.00	\$0.94	\$0.00	\$0.00	\$38.63	\$50.30
Computer Operator, Router, Spray Painter/Wood Class A	\$21.83		\$6.66	\$4.75	\$0.25	\$0.64	\$0.00	\$0.90	\$0.00	\$0.00	\$35.03	\$45.95
Computer Operator, Router, Spray Painter/Wood Class B	\$21.83		\$6.66	\$4.75	\$0.25	\$1.29	\$0.00	\$0.90	\$0.00	\$0.00	\$35.68	\$46.60
Computer Operator, Router, Spray Painter/Wood Class C	\$21.83		\$6.66	\$4.75	\$0.25	\$1.93	\$0.00	\$0.90	\$0.00	\$0.00	\$36.32	\$47.24
Computer Operator, Router, Spray Painter/Wood Class D	\$21.83		\$6.66	\$4.75	\$0.25	\$2.58	\$0.00	\$0.90	\$0.00	\$0.00	\$36.97	\$47.89
Final Assembly,Helper Class A	\$17.36		\$6.66	\$4.75	\$0.25	\$0.56	\$0.00	\$0.78	\$0.00	\$0.00	\$30.36	\$39.04
Final Assembly,Helper Class B	\$17.36		\$6.66	\$4.75	\$0.25	\$1.12	\$0.00	\$0.78	\$0.00	\$0.00	\$30.92	\$39.60
Final Assembly,Helper Class C	\$17.36		\$6.66	\$4.75	\$0.25	\$1.67	\$0.00	\$0.78	\$0.00	\$0.00	\$31.47	\$40.15
Final Assembly,Helper Class D	\$17.36		\$6.66	\$4.75	\$0.25	\$2.23	\$0.00	\$0.78	\$0.00	\$0.00	\$32.03	\$40.71
Apprentice	Percent											
1-2000 hrs	49.98	\$11.67	\$6.66	\$4.75	\$0.25	\$0.00	\$0.00	\$0.63	\$0.00	\$0.00	\$23.96	\$29.79
2001-3000 hrs	55.00	\$12.84	\$6.66	\$4.75	\$0.25	\$1.88	\$0.00	\$0.66	\$0.00	\$0.00	\$27.04	\$33.46
3001-4000 hrs	60.00	\$14.00	\$6.66	\$4.75	\$0.25	\$1.97	\$0.00	\$0.69	\$0.00	\$0.00	\$28.32	\$35.33
4001-5000 hrs	65.00	\$15.17	\$6.66	\$4.75	\$0.25	\$2.06	\$0.00	\$0.72	\$0.00	\$0.00	\$29.61	\$37.20
5001-6000 hrs	70.00	\$16.34	\$6.66	\$4.75	\$0.25	\$2.15	\$0.00	\$0.75	\$0.00	\$0.00	\$30.90	\$39.07

6001-7000 hrs	85.00	\$19.84	\$6.66	\$4.75	\$0.25	\$2.42	\$0.00	\$0.85	\$0.00	\$0.00	\$34.77	\$44.69
7001-8000 hrs	90.00	\$21.01	\$6.66	\$4.75	\$0.25	\$2.51	\$0.00	\$0.88	\$0.00	\$0.00	\$36.06	\$46.56

Special Calculation Note : Other is for paid holidays. Apprentice Pay Rate should be based on proper Classification.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :
ASHLAND, ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :
Class A Worker: More than 1 year but less that 2 years.
Class B Worker: More than 2 years but less than 10 years.
Class C Worker: More than 10 years but less that 20 years.
Class D Worker: More than 20 years

Prevailing Wage Rate Skilled Crafts

Name of Union: Roofer Local 88

Change # : LCN01-2019fbLoc88

Craft : Roofer Effective Date : 06/19/2019 Last Posted : 06/19/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Roofer	\$26.55		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$45.05	\$58.32
HELPERS												
Helper -500 Hrs. 1st 6 months	\$14.87		\$2.25	\$0.00	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$18.51	\$25.94
Helper - 500 Hrs. 2nd 6 months	\$16.46		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$34.96	\$43.19
2nd year Helper	\$18.05		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$36.55	\$45.57
3rd year Helper	\$19.65		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$38.15	\$47.97
4th year Helper	\$21.24		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$39.74	\$50.36
5th year Helper	\$22.83		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$41.33	\$52.74
6th year Helper	\$24.43		\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$42.93	\$55.14
Apprentice	Percent											
1st 6 months w/500 hrs	56.00	\$14.87	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$33.37	\$40.80
2nd 6 months w/500 hrs	62.00	\$16.46	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$34.96	\$43.19
3rd 6 months w/500 hrs	68.00	\$18.05	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$36.55	\$45.58
4th 6 months w/500 hrs	74.00	\$19.65	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$38.15	\$47.97
5th 6 months w/500 hrs	80.00	\$21.24	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$39.74	\$50.36

6th 6 months w/500 hrs	86.00	\$22.83	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$41.33	\$52.75
7th 6 months w/500 hrs	92.00	\$24.43	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$42.93	\$55.14
8th 6 months w/500 hrs	100.00	\$26.55	\$8.72	\$8.39	\$0.30	\$0.00	\$0.94	\$0.15	\$0.00	\$0.00	\$45.05	\$58.32

Special Calculation Note : Roofers working in any form of coal tar pitch, whether hot or cold, installing and/or removing will be paid \$.25 more per hour.
Other \$0.15 is for C.I.D.B.

Ratio :

No helper shall be used on any one job unless 1
Journeymen, and 1 Apprentices are working on said job
.One
(1) Journeymen to One (1) Apprentice to One (1) Helper

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON, CRAWFORD,
HOLMES, HURON, LORAIN*, MEDINA, PORTAGE,
RICHLAND, STARK, SUMMIT, TUSCARAWAS,
WAYNE

Special Jurisdictional Note : In Lorain County (South of the Turnpike)

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 33 (Akron)

Change # : LCN01-2019fbLoc33Akron

Craft : Sheet Metal Worker Effective Date : 06/03/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sheet Metal Worker	\$31.72		\$8.00	\$12.89	\$1.21	\$0.00	\$6.00	\$0.00	\$0.00	\$0.00	\$59.82	\$75.68
Apprentice	Percent											
Apprentice												
1st year	45.00	\$14.27	\$8.00	\$3.47	\$0.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.91	\$33.05
2nd year	50.00	\$15.86	\$8.00	\$4.62	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$0.00	\$32.69	\$40.62
3rd year	55.00	\$17.45	\$8.00	\$5.00	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$0.00	\$34.66	\$43.38
4th year	65.00	\$20.62	\$8.00	\$5.77	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$0.00	\$38.60	\$48.91
5th year	80.00	\$25.38	\$8.00	\$6.93	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$0.00	\$44.52	\$57.20

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice
 2 Journeymen to 1 Apprentice
 3 Journeymen to 2 Apprentice
 4 Journeymen to 2 Apprentice
 5-7 Journeymen to 3 Apprentice
 8-10 Journeymen to 4 Apprentice
 11-13 Journeymen to 5 Apprentice
 14, 15 Journeymen to 6 Apprentice
 and maintaining a three to one apprentice ratio thereafter.

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON, CRAWFORD, HOLMES, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Scope of Work: This Agreement covers the rates of pay and conditions of employment of all employees of the Employer engaged in, but not limited to, the a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, conditioning, adjustment, alteration, repairing and servicing of all ferrous or non-ferrous metal work and all other materials used in lieu thereof and of all HVAC systems, air-veyor systems, exhaust systems, and air handling systems regardless of material used, including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct-lining; (c) testing, servicing, and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches, whether manually drawn or computer assisted, used in fabrication and erection, including those taken from original architectural and engineering drawings or

sketches, and (e) metal roofing; and (f) all other work included in the jurisdictional claims of Sheet Metal Worker's International Association.

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN01-2019fbLoc669

Craft : Sprinkler Fitter Effective Date : 04/03/2019 Last Posted : 04/03/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$37.78		\$10.02	\$6.60	\$0.52	\$0.00	\$6.41	\$0.00	\$0.00	\$0.00	\$61.33	\$80.22
Apprentice Indentured after April 1, 2013	Percent											
CILASS 1	46.53	\$17.58	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.85	\$34.64
CLASS 2	51.73	\$19.54	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.81	\$37.59
CLASS 3	56.23	\$21.24	\$10.02	\$6.60	\$0.52	\$0.00	\$0.90	\$0.00	\$0.00	\$0.00	\$39.28	\$49.91
CLASS 4	61.38	\$23.19	\$10.02	\$6.60	\$0.52	\$0.00	\$0.90	\$0.00	\$0.00	\$0.00	\$41.23	\$52.82
CLASS 5	66.58	\$25.15	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$43.44	\$56.02
CLASS 6	71.73	\$27.10	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$45.39	\$58.94
CLASS 7	76.90	\$29.05	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$47.34	\$61.87
CLASS 8	82.08	\$31.01	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$49.30	\$64.80
CLASS 9	87.25	\$32.96	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$51.25	\$67.73
CLASS 10	92.40	\$34.91	\$10.02	\$6.60	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$53.20	\$70.65

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW,

MUSKINGUM, NOBLE, OTTAWA, PAULDING,
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,
PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO,
SENECA, SHELBY, STARK, SUMMIT, TRUMBULL,
TUSCARAWAS, UNION, VAN WERT, VINTON,
WARREN, WASHINGTON, WAYNE, WILLIAMS,
WOOD, WYANDOT

Special Jurisdictional Note :

Details :

Sprinkler Fitter work shall consist of the installation,dismantling,maintenance,repairs,adjustments,and corrections of all fire protection and fire control systems including the unloading,handling by hand,power equipment and installation of all piping or tubing,appurtenances and equipment pertaining thereto,including both overhead and underground water mains,fire hydrants and hydrant mains,standpipes and hose connections to sprinkler systems used in connection with sprinkler and alarm systems. Also all tanks and pumps connected thereto,also included shall be CO-2 and Cardox Systems, Dry Chemical Systems,Foam Systems and all other fire protection systems.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver Bldg & Hwy Class 1
Locals 20,40,92,92b,100,175,284,438,377,637,908,957

Change # : LCON1-2017fbBldgHwy

Craft : Truck Driver **Effective Date :** 07/05/2017 **Last Posted :** 07/05/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 1 4 wheel service, dump, and batch trucks, Oil Distributor - Asphalt Distributor-Tandems	\$26.49		\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.99	\$54.24
Apprentice	Percent											
First 6 months	80.00	\$21.19	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.69	\$46.29
7-12 months	85.00	\$22.52	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.02	\$48.27
13-18 months	90.00	\$23.84	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.34	\$50.26
19-24 months	95.00	\$25.17	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.67	\$52.25
25-30 months	100.00	\$26.49	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.99	\$54.24

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

3 Journeymen to 1 Apprentice
per company/project

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY,

HIGHLAND, HOCKING, HOLMES, HURON,
JACKSON, JEFFERSON, KNOX, LAWRENCE,
LICKING, LOGAN, LORAIN, LUCAS, MADISON,
MAHONING, MARION, MEDINA, MEIGS, MERCER,
MIAMI, MONROE, MONTGOMERY, MORGAN,
MORROW, MUSKINGUM, NOBLE, OTTAWA,
PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE,
PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY,
SCIOTO, SENECA, SHELBY, STARK, SUMMIT,
TRUMBULL, TUSCARAWAS, UNION, VAN WERT,
VINTON, WARREN, WASHINGTON, WAYNE,
WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver Bldg & Hwy Class 2
Locals 20,40,92,92b,100,175,284,438,377,637,908,957

Change # : CN1-2017-fbBldgHwy

Craft : Truck Driver **Effective Date :** 07/05/2017 **Last Posted :** 07/05/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 2 Tractor Trailer-Semi Tractor Trucks-Pole Trailers-Ready Mix Trucks-Fuel Trucks- Asphalt-Oil Spray bar men- 5 Axle & Over - Belly Dumps-End Dumps-Articulated Dump Trucks- Low boys-Heavy duty Equipment(irrespective of load carried) when used exclusively for transportation-Truck Mechanics (when needed)	\$26.91		\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.41	\$54.87
Apprentice	Percent											
First 6 months	80.00	\$21.53	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.03	\$46.79
7-12 months	85.00	\$22.87	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.37	\$48.81
13-18 months	90.00	\$24.22	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.72	\$50.83
19-24 months	95.00	\$25.56	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.06	\$52.85
25-30 months	100.00	\$26.91	\$7.00	\$7.30	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.41	\$54.87

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

3 Journeymen to 1 Apprentice
per company/project

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS,
AUGLAIZE, BELMONT, BROWN, BUTLER,
CARROLL, CHAMPAIGN, CLARK, CLERMONT,
CLINTON, COLUMBIANA, COSHOCTON,
CRAWFORD, DARKE, DEFIANCE, DELAWARE,
ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON,
GALLIA, GREENE, GUERNSEY, HAMILTON,
HANCOCK, HARDIN, HARRISON, HENRY,

HIGHLAND, HOCKING, HOLMES, HURON,
JACKSON, JEFFERSON, KNOX, LAWRENCE,
LICKING, LOGAN, LORAIN, LUCAS, MADISON,
MAHONING, MARION, MEDINA, MEIGS, MERCER,
MIAMI, MONROE, MONTGOMERY, MORGAN,
MORROW, MUSKINGUM, NOBLE, OTTAWA,
PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE,
PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY,
SCIOTO, SENECA, SHELBY, STARK, SUMMIT,
TRUMBULL, TUSCARAWAS, UNION, VAN WERT,
VINTON, WARREN, WASHINGTON, WAYNE,
WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Glazier Local 181

Change # : LCN01-2019fbLoc181

Craft : Glazier Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Glazier	\$32.07		\$6.92	\$10.33	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.72	\$65.76
Apprentice	Percent											
1st 6 months	40.00	\$12.83	\$6.92	\$0.92	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.07	\$27.48
2nd 6 months	45.00	\$14.43	\$6.92	\$0.96	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.71	\$29.93
3rd 6 months	50.00	\$16.03	\$6.92	\$0.98	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.33	\$32.35
4th 6 months	55.00	\$17.64	\$6.92	\$1.02	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.98	\$34.80
5th 6 months	60.00	\$19.24	\$6.92	\$1.04	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.60	\$37.22
6th 6 months	70.00	\$22.45	\$6.92	\$1.10	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.87	\$42.09
7th 6 months	80.00	\$25.66	\$6.92	\$1.16	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.14	\$46.96
8th 6 months	90.00	\$28.86	\$6.92	\$1.22	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.40	\$51.83

Special Calculation Note : No special calculations for this classification.

Ratio :

2 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice Thereafter

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, ERIE*, GEAUGA,
HURON, LAKE, LORAIN, MEDINA*, PORTAGE*,
SUMMIT*

Special Jurisdictional Note : Start at the intersection of Route 305 and the eastern boundary line of Portage County. Follow Route 305 west onto Route 82, follow Route 82 west to the intersection of Routes 82,8 and 271, follow Route 271 south to Medina County line west to Route 94, follow Route 94 south to Route 303, follow Route 303 west to Route 252, follow Route 252 south to Route 18, follow Route 18 west to Route 301, follow 301 south to Route 162, follow Route 162 west to Route 58, follow Route 58 south to the Ashland County line, follow the Ashland County line. The eastern part of Route 4 north to Lake Erie is the jurisdiction of Local 181. Local 181 has the jurisdiction on all projects built on the property which borders on the above Routes and/or intersections, wherever a County line is the divider between Local 181 and another

Union, the jurisdiction is only to the county line.

Details :

High Pay: All work is defined for the purpose of the agreement as being work which requires that the employee be supported by equipment that hangs from or suspends from the wall or roof of a building or structure. This work shall receive an additional \$1.25 per hour.

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 550

Change # : LCN01-2019fbLoc550

Craft : Ironworker Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker	\$28.90		\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$48.72	\$63.17
Apprentice	Percent											
1st 6 months	60.00	\$17.34	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$37.16	\$45.83
2nd 6 months	65.00	\$18.78	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$38.60	\$48.00
3rd 6 months	70.00	\$20.23	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$40.05	\$50.16
4th 6 months	75.00	\$21.67	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$41.49	\$52.33
5th 6 months	80.00	\$23.12	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$42.94	\$54.50
6th 6 months	85.00	\$24.56	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$44.38	\$56.67
7th 6 months	90.00	\$26.01	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$45.83	\$58.83
8th 6 months	95.00	\$27.45	\$7.88	\$8.34	\$0.72	\$0.00	\$2.73	\$0.15	\$0.00	\$0.00	\$47.27	\$61.00

Special Calculation Note : OTHER IS: JOURNEYMAN UPGRADE AND WELLNESS FUND.

Ratio :

4 Journeymen to 1 Apprentice
 1 Journeymen to 1 Apprentice, spinning of cable for suspension bridge
 1 Journeymen to 1 Apprentice, ornamental work
 2 Journeymen to 1 Apprentice, reinforcing work
 1 Journeymen to 2 Apprentice, roadway sinage/sound barrier
 ***the ratio of apprentices to journeymen may be adjusted higher on a job-to-job basis with the approval of the business manager and/or business agent.

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COLUMBIANA*,
 COSHOCTON, HOLMES*, HURON, MAHONING*,
 MEDINA*, PORTAGE*, RICHLAND, STARK,
 SUMMIT*, TUSCARAWAS, WAYNE

Special Jurisdictional Note : The jurisdictional line between Local 17 and Local 550 is determined as

follows: All territory North of Old Route 224 line to be within the jurisdiction of Local 17. All territory South of Old Route 224 line is to be the jurisdiction of Local 550, except for everything within the City limits of Barberton which shall be under the jurisdiction of Local 17.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 550 Glass & Curtain Wall

Change # : LCN01-2017fbLoc550

Craft : Ironworker **Effective Date :** 07/01/2017 **Last Posted :** 06/28/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker Glass & Curtain Wall	\$22.00		\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$36.89	\$47.89
Apprentice	Percent											
1st 6 months	60.00	\$13.20	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$28.09	\$34.69
2nd 6 months	65.00	\$14.30	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$29.19	\$36.34
3rd 6 months	70.00	\$15.40	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$30.29	\$37.99
4th 6 months	75.00	\$16.50	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$31.39	\$39.64
5th 6 months	80.00	\$17.60	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$32.49	\$41.29
6th 6 months	85.00	\$18.70	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$33.59	\$42.94
7th 6 months	90.00	\$19.80	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$34.69	\$44.59
8th 6 months	95.00	\$20.90	\$7.00	\$7.47	\$0.09	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$35.79	\$46.24

Special Calculation Note :

Ratio :

1 Apprentice to 1 Journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COLUMBIANA*,
COSHOCOTON, HOLMES, HURON*, MAHONING*,
MEDINA*, PORTAGE*, RICHLAND, STARK,
SUMMIT*, TUSCARAWAS, WAYNE

Special Jurisdictional Note : The jurisdictional line between Locals 17 and 550 is determined as follows: All territory North of Old Route 224 line is to be within the jurisdiction of Local 17.

All territory South of Old Route 224 line is to be the jurisdiction of Local 550, except for everything within the City limits of Barberton which shall be under the jurisdiction of Local 17.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 505

Change # : LCN01-2019fbLoc505

Craft : Drywall Finisher Effective Date : 05/23/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Drywall Finisher	\$29.64		\$6.66	\$6.34	\$0.40	\$0.00	\$3.47	\$0.00	\$0.00	\$0.00	\$46.51	\$61.33
Apprentice	Percent											
1st 6 months	45.00	\$13.34	\$6.66	\$2.10	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.50	\$29.17
2nd 6 months	50.00	\$14.82	\$6.66	\$2.20	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.08	\$31.49
3rd 6 months	55.00	\$16.30	\$6.66	\$2.65	\$0.40	\$0.00	\$1.91	\$0.00	\$0.00	\$0.00	\$27.92	\$36.07
4th 6 months	60.00	\$17.78	\$6.66	\$2.75	\$0.40	\$0.00	\$2.08	\$0.00	\$0.00	\$0.00	\$29.67	\$38.57
5th 6 months	65.00	\$19.27	\$6.66	\$3.20	\$0.40	\$0.00	\$2.26	\$0.00	\$0.00	\$0.00	\$31.79	\$41.42
6th 6 months	70.00	\$20.75	\$6.66	\$3.30	\$0.40	\$0.00	\$2.43	\$0.00	\$0.00	\$0.00	\$33.54	\$43.91

Special Calculation Note : No special calculation for this classification.

Ratio : 1 Apprentice to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) : ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Portage & Summit North of the East-West Turnpike.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 707

Change # : LCN02-2019fbLoc707

Craft : Painter Effective Date : 05/01/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush Roll	\$28.36		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.91	\$59.09
Paperhanger	\$28.36		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.91	\$59.09
Sandblasting & Buffing	\$28.76		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$45.31	\$59.69
Spray Painting	\$29.06		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$45.61	\$60.14
REPAINT Brush Roll & Paperhanger	\$26.86		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$43.41	\$56.84
REPAINT Sandblasting & Buffing	\$27.26		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$43.81	\$57.44
REPAINT Spray Painting	\$27.56		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.11	\$57.89
Apprentice - Painter	Percent											
1st 6 months	45.00	\$12.76	\$6.92	\$1.59	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.67	\$28.05
2nd 6 months	50.00	\$14.18	\$6.92	\$1.64	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.14	\$30.23
3rd 6 months	55.00	\$15.60	\$6.92	\$2.13	\$0.40	\$0.00	\$2.28	\$0.00	\$0.00	\$0.00	\$27.33	\$35.13
4th 6 months	60.00	\$17.02	\$6.92	\$2.17	\$0.40	\$0.00	\$2.49	\$0.00	\$0.00	\$0.00	\$29.00	\$37.50
5th 6 months	65.00	\$18.43	\$6.92	\$2.52	\$0.40	\$0.00	\$2.70	\$0.00	\$0.00	\$0.00	\$30.97	\$40.19
6th 6 months	70.00	\$19.85	\$6.92	\$2.56	\$0.40	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$32.64	\$42.57
7th 6 months	75.00	\$21.27	\$6.92	\$3.31	\$0.40	\$0.00	\$3.11	\$0.00	\$0.00	\$0.00	\$35.01	\$45.65
8th 6 months	80.00	\$22.69	\$6.92	\$3.35	\$0.40	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$36.68	\$48.02

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

1 Apprentice to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,

Special Jurisdictional Note : Portage & Summit North of the East-West Turnpike.

Details :

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 707 HwyHwy

Change # : LCN01-2019fbLoc707Ind

Craft : Painter Effective Date : 05/01/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Bridge Class 1 Bridge Blaster	\$34.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$51.17	\$68.48
Class 2 Bridge Painter, RiggerContainment Builder, Spot Blaster	\$31.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$48.17	\$63.98
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control Boat Person, Driver (0-5 Years Exp.)	\$24.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$41.17	\$53.48
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control Boat Person, Driver (5 Plus Years Exp.)	\$27.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.17	\$57.98
Class 4 Concrete Sealing, Concrete Blasting/Power Washing/Etc	\$23.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$40.17	\$51.98
Class 5 Quality Control.Quality Assurance, Traffic Safety, Competent Person	\$27.62		\$6.92	\$5.08	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.17	\$57.98
Apprentice - Painter	Percent											
1st 6 months	45.00	\$15.58	\$6.92	\$1.59	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.49	\$32.28
2nd 6 months	50.00	\$17.31	\$6.92	\$1.64	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.27	\$34.92

3rd 6 months	55.00	\$19.04	\$6.92	\$2.13	\$0.40	\$0.00	\$2.28	\$0.00	\$0.00	\$0.00	\$30.77	\$40.29
4th 6 months	60.00	\$20.77	\$6.92	\$2.17	\$0.40	\$0.00	\$2.49	\$0.00	\$0.00	\$0.00	\$32.75	\$43.14
5th 6 months	65.00	\$22.50	\$6.92	\$2.52	\$0.40	\$0.00	\$2.70	\$0.00	\$0.00	\$0.00	\$35.04	\$46.29
6th 6 months	70.00	\$24.23	\$6.92	\$2.56	\$0.40	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$37.02	\$49.14
7th 6 months	75.00	\$25.96	\$6.92	\$3.31	\$0.40	\$0.00	\$3.11	\$0.00	\$0.00	\$0.00	\$39.71	\$52.69
8th 6 months	80.00	\$27.70	\$6.92	\$3.32	\$0.40	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$41.66	\$55.50

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**
1 Apprentice to 1 Journeyman ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
LORAIN, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Portage & Summit North of the East-West Turnpike.

Details :

Painter Bridge Class 2 is Defined as; Bridge Painter, Rigger, Containment Builder

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

* Concrete Sealing: on highway work, scaling of concrete surfaces, the treating and sealing of bridge decks, the painting and staining of concrete, including the abutments, barricades, noise barriers, lane dividers, etc.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I

Change # : LCN01-2017fbLoc841

Craft : Painter Effective Date : 11/08/2017 Last Posted : 11/08/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush Roll	\$25.33		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$39.25	\$51.92
Paperhanger	\$25.33		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$39.25	\$51.92
Painter Spray Gun Operator Any and Al Coatings)	\$26.18		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.10	\$53.19
Swing Scaffold, Bosum Chair, & Window Jacks	\$26.08		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.00	\$53.04
Sandblast, Painting of Standpipes, etc. from Scaffolds Open Structural Steel, Standpipes and Water Towers	\$26.58		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.50	\$53.79
Epoxy Application	\$25.98		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$39.90	\$52.89
Synthetic Exterior, Lead Abatement, Asbestos Removal	\$26.58		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.50	\$53.79
Apprentice	Percent											
1st Year	50.00	\$12.66	\$6.50	\$2.50	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$22.51	\$28.85
2nd Year	60.00	\$15.20	\$6.50	\$2.58	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$25.13	\$32.73
3rd Year	70.00	\$17.73	\$6.50	\$2.92	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$28.00	\$36.87

4th Year	80.00	\$20.26	\$6.50	\$3.60	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$31.21	\$41.35
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Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :
3 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit Cnty: North to and including the Ohio Turnpike, Portage Cnty: North to and including the Ohio Turnpike

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I

Change # : LCN01-2017fbLoc841

Craft : Drywall Finisher Effective Date : 11/08/2017 Last Posted : 11/08/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Drywall Finisher/PainterTaper	\$26.58		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.50	\$53.79
Automatic Tools	\$26.58		\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.50	\$53.79
Apprentice	Percent											
1st Year	50.00	\$13.29	\$6.50	\$2.25	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$22.89	\$29.53
2nd Year	65.00	\$17.28	\$6.50	\$2.92	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$27.55	\$36.19
3rd Year	80.00	\$21.26	\$6.50	\$3.60	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$32.21	\$42.85

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

1 Apprentice to 3 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit County North to and including the Ohio Turnpike, Portage Cnty: North to and including the Ohio Turnpike

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I Bridge Painter

Change # : LCN01-2017fbLoc841

Craft : Painter **Effective Date :** 11/08/2017 **Last Posted :** 11/08/2017

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Bridge Blaster Class 1	\$35.00	\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$48.92	\$66.42
Class 2 Bridge Painter, Rigger, Containment Builder, Spot Blaster	\$32.00	\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$45.92	\$61.92
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control, Boat Person, Diver	\$25.00	\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$38.92	\$51.42
Class 4 Concrete Sealing, Concrete Blasting/Power Washing/Etc.	\$28.00	\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$41.92	\$55.92
Class 5 Quality Control/Quality Assurance Traffic Safety, Competent Person	\$28.00	\$6.50	\$6.57	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$41.92	\$55.92
Apprentice	Percent										
1st Year	50.00	\$17.50	\$6.50	\$2.25	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$27.10	\$35.85
2nd Year	60.00	\$21.00	\$6.50	\$2.58	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$30.93	\$41.43
3rd year	70.00	\$24.50	\$6.50	\$2.92	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$34.77	\$47.02
4th Year	80.00	\$28.00	\$6.50	\$3.60	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$38.95	\$52.95

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

3 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice Thereafter

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit County: North to and including the Ohio Turnpike, Portage County: North to and including the Ohio Turnpike

Details :

1) JOURNEYMAN BRIDGE PAINTER: any employee hired to perform abrasive blasting, surface preparation of any kind, rigging, containment building and/or coatings application of any kind. Journeypersons shall be paid the

journeyperson rate regardless of what type of work they are assigned to do.

2) QUALITY CONTROL/QUALITY ASSURANCE WITH CERTIFICATION: employees whose job it is to assure all work is completed according to the job specifications or whose job it is to assure all safety laws, standard, and regulations are adhered to, who also have an up to date NACE CIP Level 1 or Level II Certification.

3) QUALITY CONTROL/QUALITY ASSURANCE: employees whose job it is to assure all work is completed according to the job specifications or whose job it is to assure all safety laws, standards, and regulations are adhered to.

4) PAINT TENDER 1: employees who tend the employers equipment, including but not limited to all equipment associated with abrasive blasting, power washer, spray painting, forklifts, hoists, trucks, etc.

5) PAINT TENDER II: employees who load and unload trucks, handle material, man safety boats, handle traffic control, work in cleaning up and/or vacuuming of abrasive materials, and other ancillary tanks. *** Employees in this classification may also perform sealing/staining/waterproofing coatings of concrete.

6) WINTER SHOP RATE: (December 1 through March 31: This rate applies only to employees working in the employers shop or warehouse from December 1 through March 31. Under NO circumstance shall this rate apply to jobsite work.

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120

Change # : LCNO1-2018fbLoc120

Craft : **Sprinkler Fitter** Effective Date : **07/18/2018** Last Posted : **07/18/2018**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$37.67		\$11.50	\$10.30	\$0.87	\$0.00	\$2.60	\$0.40	\$0.00	\$0.00	\$63.34	\$82.17
Apprentice	Percent											
1st year	43.96	\$16.56	\$5.30	\$0.00	\$0.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.73	\$31.01
2nd year	45.15	\$17.01	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$35.23	\$43.73
3rd year	53.44	\$20.13	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$38.35	\$48.42
4th year	70.03	\$26.38	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$44.60	\$57.79
5th year	78.31	\$29.50	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$47.72	\$62.47

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

- 1 Journeymen to 1 Apprentice per project
- 2 - 4 Journeymen to 2 Apprentices
- 5 - 7 Journeymen to 3 Apprentices

- 3 Journeymen to 1 Apprentice on jobs with
- 9 or more journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details :

Sprinklerfitter duties shall include: installation, dismantling, maintenance, repairs, adjustments and corrections of all fire protection and extinguishing systems; consist of handling and installing of all piping and appurtenances pertaining to sprinkler equipment including both overhead and underground water mains, fire hydrants and hydrants mains, stand pipes, hose connections, tank heaters, air lines, thermal systems and their connections; all operating and actuating lines and devices and their protective covering; all fire stopping of sprinkler piping systems; all tanks, pumps and city connections; fire protection systems using emulsify, spray, water fog, CO2 gas, foam and other fire control agents, settling of all fire pumps and tank filling pumps, air compressors and their connections; all work related to sprinkler inspections (included but not limited to: adjustments, maintenance, repair, testing, etc.)

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120

Change # : LCNO1-2019fbLoc120

Craft : **Sprinkler Fitter** Effective Date : **08/28/2019** Last Posted : **08/28/2019**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$38.77		\$11.70	\$10.70	\$0.94	\$0.00	\$2.80	\$0.30	\$0.00	\$0.00	\$65.21	\$84.59
Apprentice	Percent											
1st year	49.19	\$19.07	\$5.35	\$0.00	\$0.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.36	\$34.90
2nd year	50.76	\$19.68	\$11.20	\$6.10	\$0.94	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$38.22	\$48.06
3rd year	59.04	\$22.89	\$11.20	\$6.10	\$0.94	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$41.43	\$52.87
4th year	70.65	\$27.39	\$11.20	\$6.10	\$0.94	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$45.93	\$59.63
5th year	78.93	\$30.60	\$11.20	\$6.10	\$0.94	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$49.14	\$64.44

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

- 1 Journeyman to 1 Apprentice per project
- 2 - 4 Journeymen to 2 Apprentices
- 5 - 7 Journeymen to 3 Apprentices

- 3 Journeymen to 1 Apprentice on jobs with
- 9 or more journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details :

Sprinklerfitter duties shall include: installation, dismantling, maintenance, repairs, adjustments and corrections of all fire protection and extinguishing systems; consist of handling and installing of all piping and appurtenances pertaining to sprinkler equipment including both overhead and underground water mains, fire hydrants and hydrants mains, stand pipes, hose connections, tank heaters, air lines, thermal systems and their connections; all operating and actuating lines and devices and their protective covering; all fire stopping of sprinkler piping systems; all tanks, pumps and city connections; fire protection systems using emulsify, spray, water fog, CO2 gas, foam and other fire control agents, settling of all fire pumps and tank filling pumps, air compressors and their connections; all work related to sprinkler inspections (included but not limited to: adjustments, maintenance, repair, testing, etc.)

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120 Mechanical Equipment

Change # : LCN01-2019fbLoc120

Craft : Pipefitter **Effective Date :** 08/28/2019 **Last Posted :** 08/28/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Pipefitter Mechanical Equipment Service	\$30.61		\$11.70	\$10.70	\$0.94	\$0.00	\$2.80	\$0.30	\$0.00	\$0.00	\$57.05	\$72.35
Intermediate Journeymen												
Serviceman 1	\$21.52		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$39.31	\$50.07
Serviceman 2	\$24.15		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$41.94	\$54.01
Serviceman 3	\$27.11		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$44.90	\$58.45
Serviceman 4	\$30.32		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$48.11	\$63.27
MES Trainees	Percent											
1st year	51.81	\$15.86	\$5.35	\$0.00	\$0.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.15	\$30.08
2nd year	49.85	\$15.26	\$5.35	\$3.80	\$0.94	\$0.00	\$1.30	\$0.00	\$0.00	\$0.00	\$26.65	\$34.28
3rd year	56.16	\$17.19	\$5.35	\$3.80	\$0.94	\$0.00	\$1.30	\$0.00	\$0.00	\$0.00	\$28.58	\$37.18
4th year	60.33	\$18.47	\$5.35	\$3.80	\$0.94	\$0.00	\$1.30	\$0.00	\$0.00	\$0.00	\$29.86	\$39.09
5th year	64.55	\$19.76	\$5.35	\$3.80	\$0.94	\$0.00	\$1.30	\$0.00	\$0.00	\$0.00	\$31.15	\$41.03

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

3 Journeymen to 1 Apprentice
2 Intermediate Servicemen to 1 Serviceman
Trainee per shop

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details :

Work scope but not limited to: Mechanical Service and Maintenance work normally performed by contractors, either by contracts or emergency call basis, who are equipped to handle all work relating to evacuation, charging, start-up, inspection, operating, maintenance and service call necessary to keep mechanical system and controls of a refrigeration , air conditioning, heating and/or ventilation or any other newly installed, remodeled, revamped or redesigned mechanical system in operational order; all fire stopping and piping systems. Shall include but not limited to all maintaining, cleaning, adjusting, repairing, overhauling, starting and balancing of any system or component part thereof, regardless of size or location, including all other service and maintenance work assigned to the employer by the customer. Shall also be allowed to do the following installation work: All residential humidifiers and dehumidifiers, all window type units, all residential heating and cooling systems, excluding steam and hot water, and when a building is not new construction, all refrigeration systems up to 20 tons, split air conditioning systems up to 50 tons, and package or self-contained air conditioning units up to 50 tons.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Local 219 Mechanical Equipment Service (HVAC)

Change # : LCN02-2016fbLoc219

Craft : Plumber Effective Date : 01/28/2016 Last Posted : 01/28/2016

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber Service Journeyman	\$32.59		\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.08	\$60.38
Apprentice	Percent											
1st 6 months	50.00	\$16.30	\$5.84	\$0.00	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.71	\$30.86
2nd 6 months	55.00	\$17.92	\$5.84	\$0.00	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.34	\$33.31
3rd 6 months	60.00	\$19.55	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.04	\$40.82
4th 6 months	65.00	\$21.18	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.67	\$43.27
5th 6 months	70.00	\$22.81	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.30	\$45.71
6th 6 months	75.00	\$24.44	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.93	\$48.15
7th 6 months	80.00	\$26.07	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.56	\$50.60
8th 6 months	85.00	\$27.70	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.19	\$53.04
9th 6 months	90.00	\$29.33	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.82	\$55.49
10th 6 months	95.00	\$30.96	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.45	\$57.93

Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice
5 Journeymen to 2 Apprentice
9 Journeymen to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE, SUMMIT*

Special Jurisdictional Note : Summit County: South of Route 303, except for the corporate limits of Hudson, Ohio, which shall be considered neutral territory, dependent on the contractor doing work from the jurisdiction of Local Unions #55 & #120 & #219. Medina County: Route 18 from the eastern edge of Medina County west to eastern corporate limits of the City of Medina and on the county Road from the west corporate limits of the City of Medina, running due west to and through the community of Risley to the western edge of Medina County. All territory south of this line is the jurisdiction of Local #219. Work within the corporate limits of the City of Medina shall be neutral territory, dependent on the contractor doing the work from the jurisdiction of Locals #55, #120 & #219.

Details :

Service and maintenance shall include, all the maintaining, cleaning, adjusting, repairing, altering, overhauling, dismantling, reconditioning, replacing, modifying, renovating, evacuating, charging, inspecting, operating, starting, calibrating, and balancing of any system or component part thereof. work performed by Service Journeymen &

Apprentices shall include: all heating repairs & emergency service up to a capacity of 2,000,000 BTU input. Air conditioning repairs and emergency service up to and including 50 ton single systems. Refrigeration repairs and emergency service up to 50 HP on all low and medium temperature systems. Servicing of propane equipment. Preventive maintenance of all equipment listed above. Installation of heating systems up to 1,000,000 BTU/hr. input for the building or structure. Air conditioning single systems up to 20 ton. Refrigeration units, meat cases, florist boxes, bottle coolers, food freezers, water coolers-units up to 35 HP.

(A Mechanical Journeyman) must over 3 yrs accumulated at least 300 hrs class training, + 3 years experience, pass written exam prepared by joint labor management and administered by the union.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Local 55

Change # : LCN0-2019fbLoc55Plum

Craft : Plumber Effective Date : 05/29/2019 Last Posted : 05/29/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber	\$36.55		\$9.75	\$11.65	\$1.23	\$0.00	\$4.10	\$0.01	\$0.00	\$0.00	\$63.29	\$81.56
Yard Piping	\$24.36		\$6.94	\$2.91	\$0.69	\$0.00	\$1.59	\$0.30	\$0.00	\$0.00	\$36.79	\$48.97
Shopman (When in the field)	\$20.05		\$7.43	\$6.74	\$0.10	\$0.00	\$2.14	\$0.00	\$0.00	\$0.00	\$36.46	\$46.49
Shopman (when in the field) After 5/1/10	\$13.82		\$6.46	\$1.80	\$0.10	\$0.00	\$0.85	\$0.00	\$0.00	\$0.00	\$23.03	\$29.94
Apprentice Initiated AFTER 5/1/10	Percent											
1-6 Months	45.93	\$16.79	\$5.79	\$1.05	\$0.95	\$0.00	\$0.36	\$0.00	\$0.00	\$0.00	\$24.94	\$33.33
7-12 Months	52.66	\$19.25	\$5.87	\$1.35	\$1.00	\$0.00	\$0.66	\$0.01	\$0.00	\$0.00	\$28.14	\$37.76
2nd year 1-6	55.72	\$20.37	\$6.49	\$1.86	\$1.05	\$0.00	\$1.56	\$0.01	\$0.00	\$0.00	\$31.34	\$41.52
2nd year 7-12	57.05	\$20.85	\$6.54	\$3.96	\$1.05	\$0.00	\$2.13	\$0.01	\$0.00	\$0.00	\$34.54	\$44.97
3rd year 1-6	64.38	\$23.53	\$6.93	\$4.01	\$1.05	\$0.00	\$2.20	\$0.01	\$0.00	\$0.00	\$37.73	\$49.50
3rd year 7-12	69.02	\$25.23	\$7.03	\$4.94	\$1.05	\$0.00	\$2.67	\$0.01	\$0.00	\$0.00	\$40.93	\$53.54
4th year	75.43	\$27.57	\$7.14	\$5.48	\$1.05	\$0.00	\$2.88	\$0.01	\$0.00	\$0.00	\$44.13	\$57.91
5th year	81.83	\$29.91	\$7.25	\$6.03	\$1.05	\$0.00	\$3.08	\$0.01	\$0.00	\$0.00	\$47.33	\$62.28

Special Calculation Note : OTHER IS: SUPPLEMENTAL UNEMPLOYMENT

Ratio :

1 Apprentice for the first steadily employed journeyman, and thereafter 1 Apprentice for every 2 steadily employed

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA*, SUMMIT*

journeymen

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and the corporate limits of the City of Medina.

Details :

The Plumber Shopman will have charge of the Employer's shop and warehouse containing plumbing and heating supplies and equipment, and perform such duties as are customarily required by a Plumber or a Plumber's Shopman, including casual delivery of tools and equipment necessary for installation of Plumbing and Heating facilities.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Pipefitter Local 219

Change # : LCN01-2019fbLoc219

Craft : Plumbers Effective Date : 02/13/2019 Last Posted : 02/13/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber Pipefitter	\$37.57		\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$61.76	\$80.54
Apprentice	Percent											
1st 6 months	40.00	\$15.03	\$7.56	\$0.00	\$1.28	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$25.37	\$32.88
2nd 6 months	45.00	\$16.91	\$7.56	\$0.00	\$1.28	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$27.25	\$35.70
3rd 6 months	50.00	\$18.78	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$42.98	\$52.37
4th 6 months	55.00	\$20.66	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$44.85	\$55.19
5th 6 months	60.00	\$22.54	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$46.73	\$58.00
6th 6 months	65.00	\$24.42	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$48.61	\$60.82
7th 6 months	70.00	\$26.30	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$50.49	\$63.64
8th 6 months	75.00	\$28.18	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$52.37	\$66.46
9th 6 months	80.00	\$30.06	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$54.25	\$69.27
10th 6 months	85.00	\$31.93	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$56.12	\$72.09

Special Calculation Note :

Ratio :

1 Apprentice for 1 Journeyman.
1 Apprentice for 3 Journeyman.

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE, SUMMIT*

Special Jurisdictional Note : Summit County: South of Route 303, except for the corporate limits of Hudson, Ohio, which shall be considered neutral territory, dependent on the contractor doing work from the jurisdiction of Local Unions #55 & #120& 219.

Medina County: Route 18 from the eastern edge of Medina County west to eastern corporate limits of the

City of Medina and on the county Road from the west corporate limits of the City of Medina, running due west to and through the community of Risley to the western edge of Medina County. All territory south of this line is the jurisdiction of Local #219. Work within the corporate limits of the City of Medina shall be neutral territory, dependent on the contractor doing the work from the jurisdiction of Locals #55, #120 & #219.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Pipefitter Local 219 Light Commercial

Change # : LCN01-2014fbLoc219

Craft : Plumbers **Effective Date :** 10/16/2014 **Last Posted :** 10/16/2014

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Plumber Pipefitter	\$31.64	\$5.64	\$5.07	\$0.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.23	\$59.05

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**
MEDINA*, PORTAGE, SUMMIT*

Special Jurisdictional Note : Summit County: South of Route 303, except for the corporate limits of Hudson, Ohio, which shall be considered neutral territory, dependent on the contractor doing work from the jurisdiction of Local Unions #55 & #120 & 219.

Medina County: Route 18 from the eastern edge of Medina County west to eastern corporate limits of the City of Medina and on the county Road from the west corporate limits of the City of Medina, running due west to and through the community of Risley to the western edge of Medina County. All territory south of this line is the jurisdiction of Local #219. Work within the corporate limits of the City of Medina shall be neutral territory, dependent on the contractor doing the work from the jurisdiction of Locals #55, #120 & #219.

Details :

Light Commercial shall include the following: Office buildings and medical/dental buildings, up to 3 stories, no more than 15,500 sq. ft., pharmacies, auto parts stores, auto service stores and centers, convenience stores, hardware stores, strip malls, retail stores (except entire mall complex i.e. Summit Mall, tenant build outs are ok) outlets (freestanding and multiple vendor), grocery stores (remodel/renovation of existing facilities only), banks, bars, restaurants, churches, bowling alleys, movie theaters, hotels/motels not exceeding four floors and nursing homes, assisted living facilities and retirement homes not exceeding 450 fixture units counting floor drains.

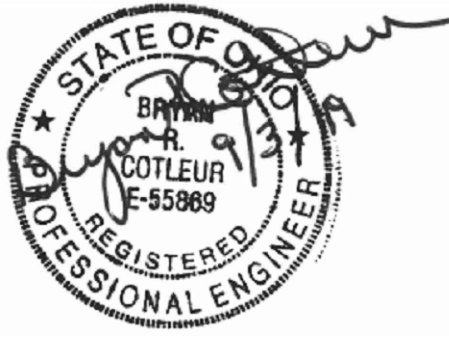
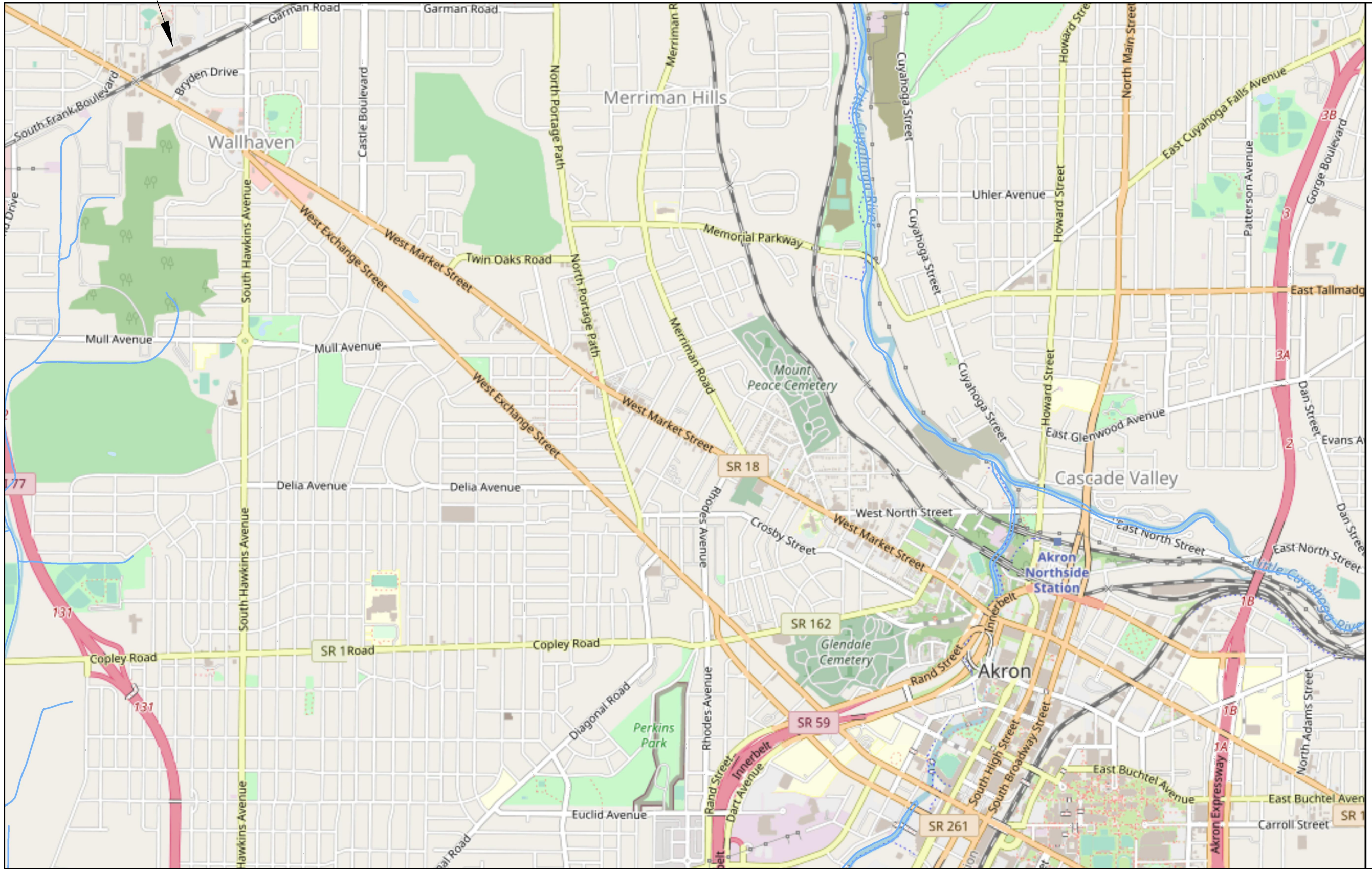
AKRON, OHIO

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

PROJECT LOCATION:
SUMMIT COUNTY
PUBLIC HEALTH
FAIRWAY CENTER
1867 WEST MARKET STREET
AKRON, OHIO 44313

1922-6003-00
SEPTEMBER 6, 2019

ENGINEER:
DLZ OHIO, INC.
1 CANAL SQUARE PLAZE, SUITE 1300
AKRON, OHIO 44308
TELE: (330) 258-9600
FAX: (330) 928-1029

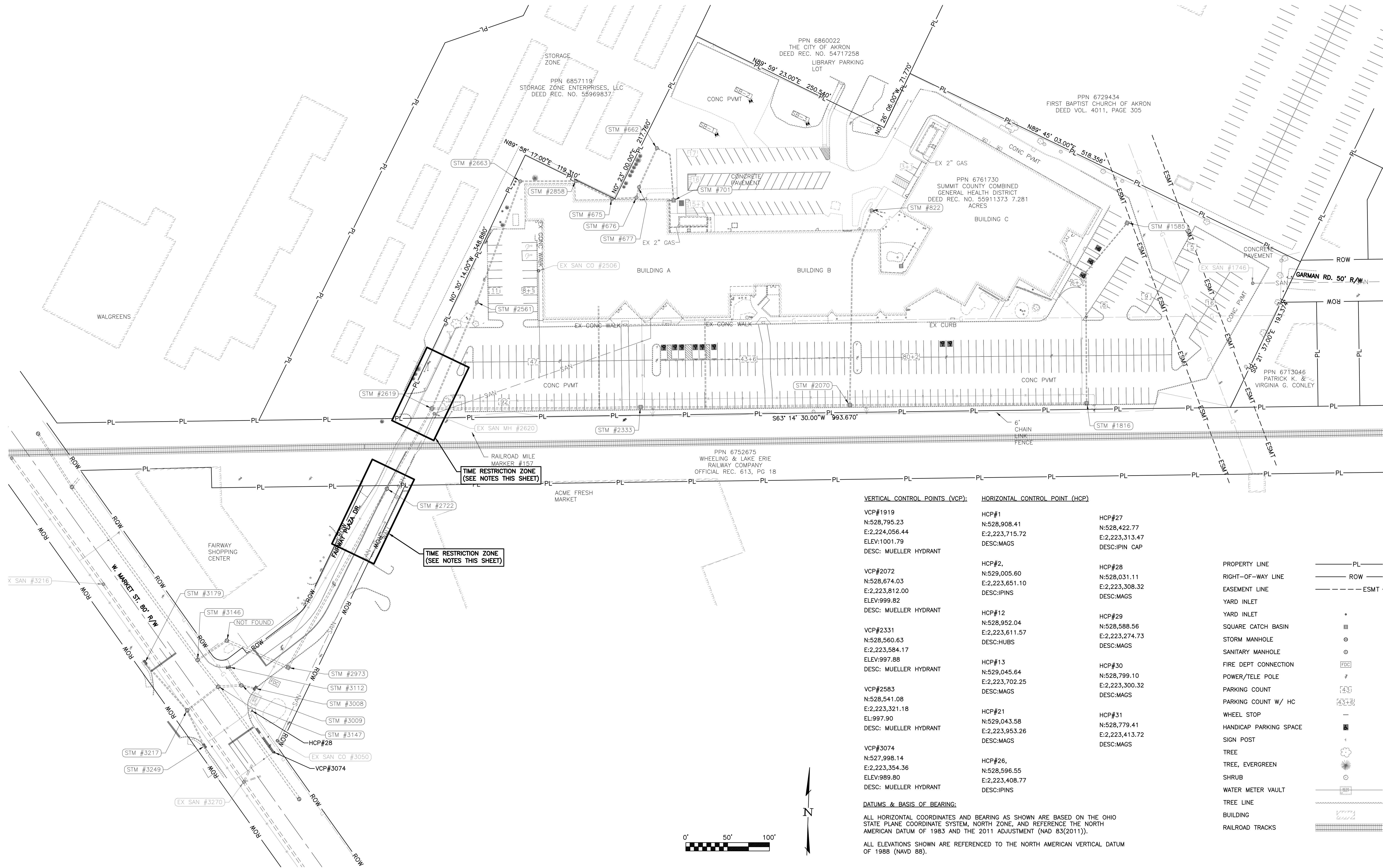


ISSUED FOR BIDDING:
09/05/2019



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C0401	6	OVERALL GRADING PLAN, PHASE II
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C0804	30	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
C0805	31	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
C0806	32	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
C0807	33	STORM WATER POLLUTION PREVENTION NOTES AND DETAILS
C0901	34	MAINTENANCE OF TRAFFIC PHASE I
C0902	35	MAINTENANCE OF TRAFFIC PHASE I
C0903	36	MAINTENANCE OF TRAFFIC PHASE II
C0904	37	MAINTENANCE OF TRAFFIC PHASE II
C0905	38	MAINTENANCE OF TRAFFIC NOTES AND DETAILS
L0101	39	DRY EXTENDED DETENTION BASIN PLANTING PLAN
E0101	40	ELECTRICAL AND SITE LIGHTING PLAN, PHASE II
E0102	41	SANITARY SEWER EMERGENCY ALERT PLAN, PHASE I
P0100	42	PLUMBING SANITARY PLANS, PHASE I
P0101	43	PLUMBING ROOF PLAN - AREA B, PHASE II
P0102	44	PLUMBING STORM PIPING - AREA B, PHASE II
P0103	45	PLUMBING SECTIONS AND DETAILS, PHASE II

Date: September 05, 2019, 8:24am
File: X:\Projects\GFL\2019\1922-600300 SCHD Fairway Ctr\Site Civil\Phase II-Site & Sewer\00101.dwg Layout Tab: -



VERTICAL CONTROL POINTS (VCP):

VCP#1919
N:528,795.23
E:2,224,056.44
ELEV:1001.79
DESC: MUELLER HYDRANT

VCP#2072
N:528,674.03
E:2,223,812.00
ELEV:999.82
DESC: MUELLER HYDRANT

VCP#2331
N:528,560.63
E:2,223,584.17
ELEV:997.88
DESC: MUELLER HYDRANT

VCP#2583
N:528,541.08
E:2,223,321.18
EL:997.90
DESC: MUELLER HYDRANT

VCP#3074
N:527,998.14
E:2,223,354.36
ELEV:989.80
DESC: MUELLER HYDRANT

HORIZONTAL CONTROL POINT (HCP):

HCP#1
N:528,908.41
E:2,223,715.72
DESC:MAGS

HCP#2
N:529,005.60
E:2,223,651.10
DESC:IPINS

HCP#12
N:528,952.04
E:2,223,611.57
DESC:HUBS

HCP#13
N:529,045.64
E:2,223,702.25
DESC:MAGS

HCP#21
N:529,043.58
E:2,223,953.26
DESC:MAGS

HCP#26
N:528,596.55
E:2,223,408.77
DESC:IPINS

HCP#27
N:528,422.77
E:2,223,313.47
DESC:IPIN CAP

HCP#28
N:528,031.11
E:2,223,308.32
DESC:MAGS

HCP#29
N:528,588.56
E:2,223,274.73
DESC:MAGS

HCP#30
N:528,799.10
E:2,223,300.32
DESC:MAGS

HCP#31
N:528,779.41
E:2,223,413.72
DESC:MAGS

PROPERTY LINE	PL
RIGHT-OF-WAY LINE	ROW
EASEMENT LINE	ESMT
YARD INLET	*
YARD INLET	■
SQUARE CATCH BASIN	⊙
STORM MANHOLE	⊙
SANITARY MANHOLE	⊙
FIRE DEPT CONNECTION	FDC
POWER/TELE POLE	⊙
PARKING COUNT	[43]
PARKING COUNT W/ HC	[43+8]
WHEEL STOP	—
HANDICAP PARKING SPACE	■
SIGN POST	+
TREE	⊙
TREE, EVERGREEN	⊙
SHRUB	⊙
WATER METER VAULT	⊙
TREE LINE	—
BUILDING	▨
RAILROAD TRACKS	▨

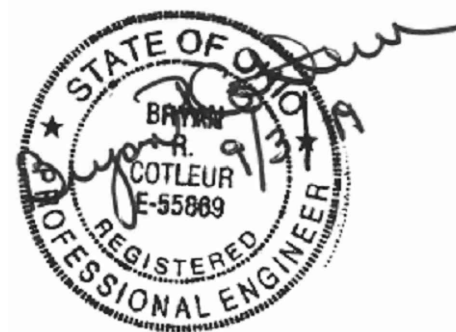
DATUMS & BASIS OF BEARING:

ALL HORIZONTAL COORDINATES AND BEARING AS SHOWN ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, AND REFERENCE THE NORTH AMERICAN DATUM OF 1983 AND THE 2011 ADJUSTMENT (NAD 83(2011)).

ALL ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



ISSUED FOR BIDDING:
09/05/2019

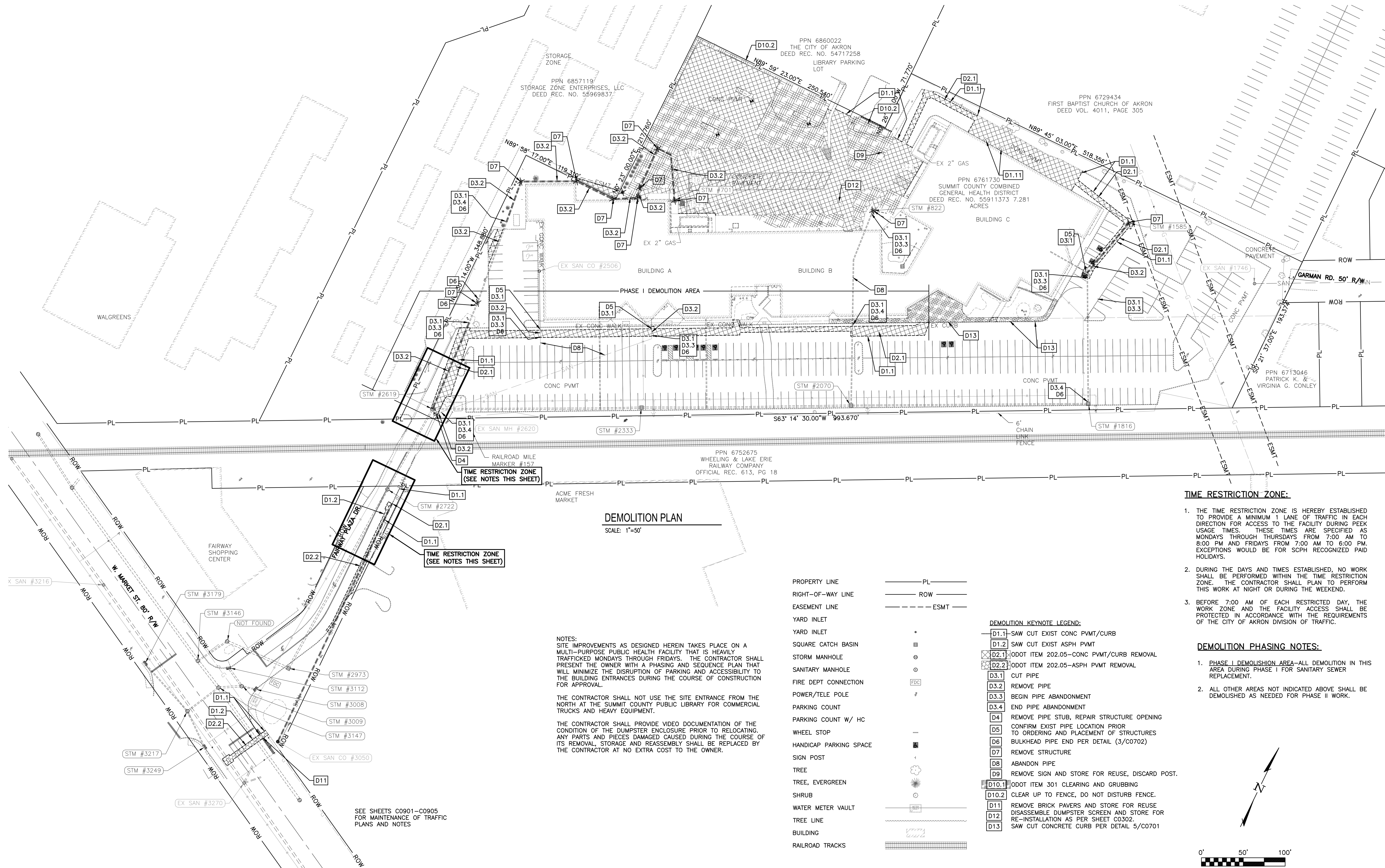


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
EXISTING CONDITIONS PLAN

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=50'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

SHEET 2
OF 45
DRAWING NUMBER
C0101



DEMOLITION PLAN
SCALE: 1"=50'

NOTES:
SITE IMPROVEMENTS AS DESIGNED HEREIN TAKES PLACE ON A MULTI-PURPOSE PUBLIC HEALTH FACILITY THAT IS HEAVILY TRAFFICKED MONDAYS THROUGH FRIDAYS. THE CONTRACTOR SHALL PRESENT THE OWNER WITH A PHASING AND SEQUENCE PLAN THAT WILL MINIMIZE THE DISRUPTION OF PARKING AND ACCESSIBILITY TO THE BUILDING ENTRANCES DURING THE COURSE OF CONSTRUCTION FOR APPROVAL.

THE CONTRACTOR SHALL NOT USE THE SITE ENTRANCE FROM THE NORTH AT THE SUMMIT COUNTY PUBLIC LIBRARY FOR COMMERCIAL TRUCKS AND HEAVY EQUIPMENT.

THE CONTRACTOR SHALL PROVIDE VIDEO DOCUMENTATION OF THE CONDITION OF THE DUMPSTER ENCLOSURE PRIOR TO RELOCATING. ANY PARTS AND PIECES DAMAGED CAUSED DURING THE COURSE OF ITS REMOVAL, STORAGE AND REASSEMBLY SHALL BE REPLACED BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.

PROPERTY LINE	PL
RIGHT-OF-WAY LINE	ROW
EASEMENT LINE	ESMT
YARD INLET	*
SQUARE CATCH BASIN	■
STORM MANHOLE	⊙
SANITARY MANHOLE	⊙
FIRE DEPT CONNECTION	FDC
POWER/TELE POLE	⚡
PARKING COUNT	1
PARKING COUNT W/ HC	1
WHEEL STOP	—
HANDICAP PARKING SPACE	♿
SIGN POST	+
TREE	🌳
TREE, EVERGREEN	🌲
SHRUB	🌿
WATER METER VAULT	Ⓜ
TREE LINE	—
BUILDING	—
RAILROAD TRACKS	—

DEMOLITION KEYNOTE LEGEND:	
D1.1	SAW CUT EXIST CONC PVMT/CURB
D1.2	SAW CUT EXIST ASPH PVMT
D2.1	DOT ITEM 202.05—CONC PVMT/CURB REMOVAL
D2.2	DOT ITEM 202.05—ASPH PVMT REMOVAL
D3.1	CUT PIPE
D3.2	REMOVE PIPE
D3.3	BEGIN PIPE ABANDONMENT
D3.4	END PIPE ABANDONMENT
D4	REMOVE PIPE STUB, REPAIR STRUCTURE OPENING
D5	CONFIRM EXIST PIPE LOCATION PRIOR TO ORDERING AND PLACEMENT OF STRUCTURES
D6	BULKHEAD PIPE END PER DETAIL (3/C0702)
D7	REMOVE STRUCTURE
D8	ABANDON PIPE
D9	REMOVE SIGN AND STORE FOR REUSE, DISCARD POST.
D10.1	DOT ITEM 301 CLEARING AND GRUBBING
D10.2	CLEAR UP TO FENCE, DO NOT DISTURB FENCE.
D11	REMOVE BRICK PAVERS AND STORE FOR REUSE
D12	DISASSEMBLE DUMPSTER SCREEN AND STORE FOR RE-INSTALLATION AS PER SHEET C0302.
D13	SAW CUT CONCRETE CURB PER DETAIL 5/C0701

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEAK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPP RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.

DEMOLITION PHASING NOTES:

1. PHASE I DEMOLITION AREA—ALL DEMOLITION IN THIS AREA DURING PHASE I FOR SANITARY SEWER REPLACEMENT.
2. ALL OTHER AREAS NOT INDICATED ABOVE SHALL BE DEMOLISHED AS NEEDED FOR PHASE II WORK.



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

**DEMOLITION PLAN
PHASED PER PLAN**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	▲			
DATE: SEPTEMBER 2019		▲			
HORIZ. SCALE: 1"=50'		▲			
VERT. SCALE: NONE		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			

DLZ OHIO, INC

SHEET 3
OF 45
DRAWING NUMBER
C0201

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEAK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPP RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.

SITE PHASING NOTES:

1. PHASE I PAVEMENT REPAIR--ALL PAVEMENT DISTURBED IN THIS AREA DURING PHASE I SANITARY SEWER REPLACEMENT SHALL BE REPAIRED IMMEDIATELY AS PER DETAIL 3 ON SHEET C0302.
2. PHASE I TEMPORARY PAVEMENT REPAIR--ALL PAVEMENT DISTURBED IN THIS AREA SHALL TEMPORARILY REPAIRED WITH #57 LIMESTONE UNTIL THE COMPLETION OF THE PHASE II WORK, AT WHICH TIME THE PAVEMENT SHALL BE REPAIRED PER DETAIL 3 ON SHEET C0302.
3. ALL OTHER AREAS NOT INDICATED ABOVE SHALL BE CONSIDERED PHASE II SITE WORK.

SITE PLAN KEYNOTE LEGEND:

- SP1 REPAIR CURB (SAME AS EXIST)
SP1.1 REPAIR CURB (SAME AS EXIST) PER DETAIL ON SHEET C0708
SP2 REPAIR PAVEMENT STRIPING (SAME COLOR/SIZE AS EXIST)
SP3 REPAIR CONCRETE PER DETAIL (2/C0701)
SP3.1 REPAIR CONCRETE PER DETAIL ON SHEET C0708
SP4 REPAIR ASPHALT PER DETAIL ON SHEET C0708
SP5 USE SAVED BRICK PAVERS TO REPAIR BRICK AREA
SP6 SET REUSED SIGN ON NEW SIGN POST PER DETAIL (1/C0701)
SP7 DRIVEWAY CONCRETE SECTION DETAIL (3/C0702)
SP8 ADA CURB RAMP WITH BACK CURB DETAIL (5/C0701)
SP9 ADA CURB RAMP WITHOUT BACK CURB DETAIL (5/C0701)

PARKING SPACES:

- 368 EXISTING REGULAR SPACES
14 EXISTING HANDICAP SPACES
388 PROPOSED REGULAR SPACES
17 PROPOSED HANDICAP SPACES

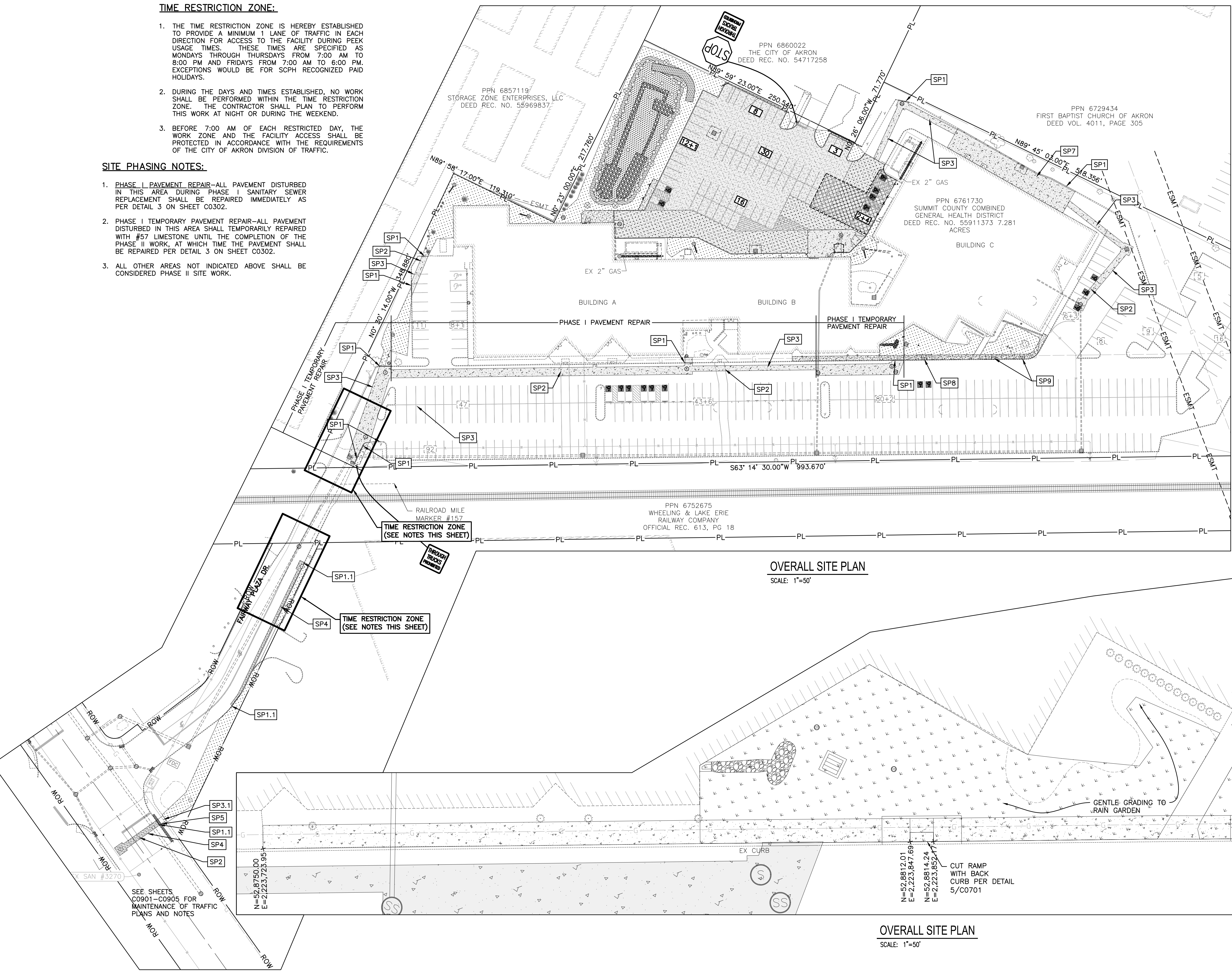
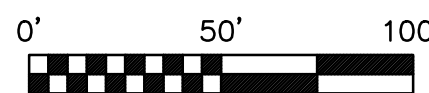
- PROPERTY LINE PL
RIGHT-OF-WAY LINE ROW
EASEMENT LINE ESMT
YARD INLET
YARD INLET
SQUARE CATCH BASIN
STORM MANHOLE
SANITARY MANHOLE
FIRE DEPT CONNECTION FDC
POWER/TELE POLE
PARKING COUNT
PARKING COUNT W/ HC
WHEEL STOP
HANDICAP PARKING SPACE
SIGN POST
TREE
TREE, EVERGREEN
SHRUB
WATER METER VAULT
TREE LINE
BUILDING
RAILROAD TRACKS

OVERALL SITE PLAN

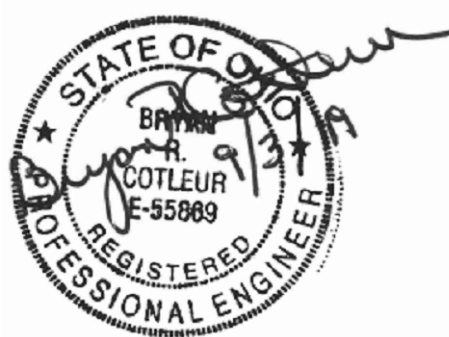
SCALE: 1"=50'

OVERALL SITE PLAN

SCALE: 1"=50'



ISSUED FOR BIDDING:
09/05/2019



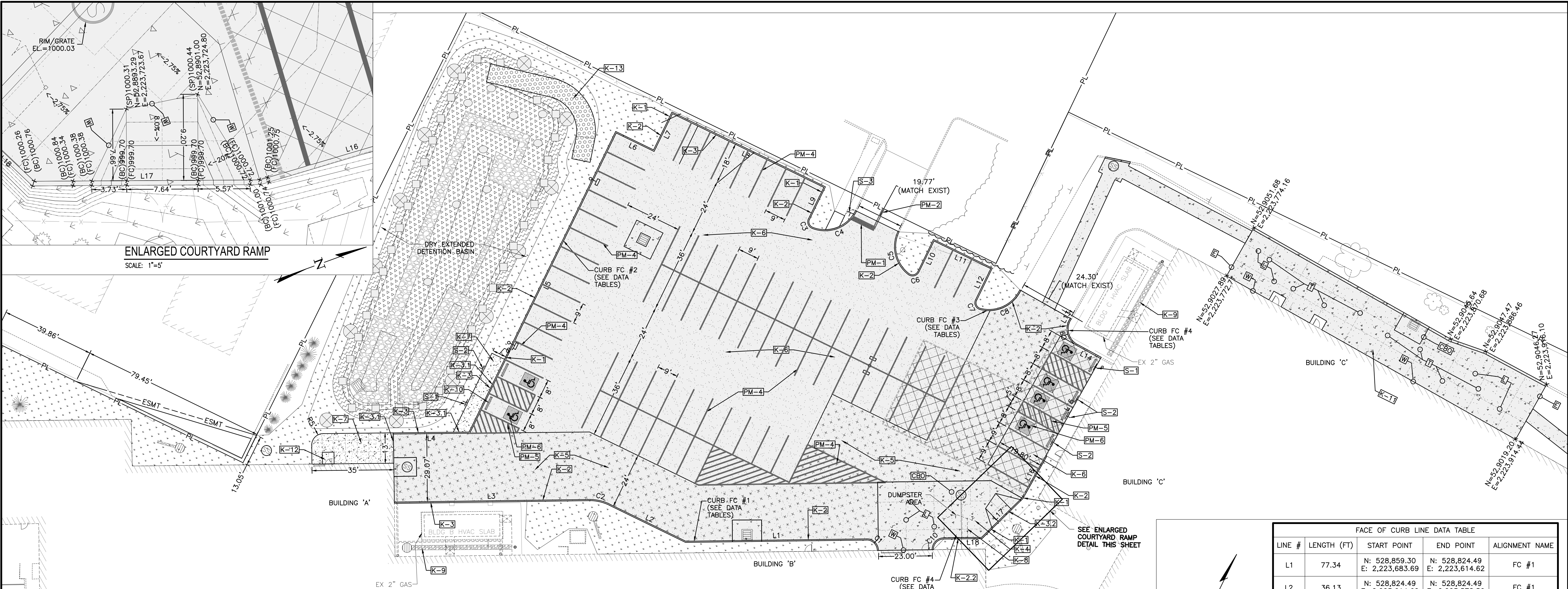
AKRON SUMMIT COUNTY PUBLIC HEALTH OHIO
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS
OVERALL SITE PLAN
PHASED PER PLAN

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPRV'D: BMS				
DATE: SEPTEMBER 2019					
HORIZ. SCALE: 1"=50'					
VERT. SCALE: NONE					
PROJECT NUMBER					
1922-6003-00					

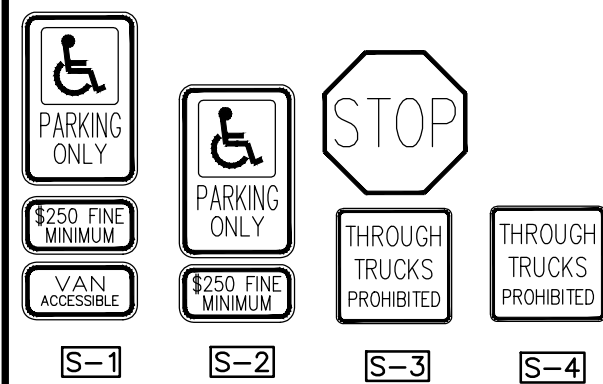
DLZ OHIO, INC

SHEET 4
OF 45
DRAWING NUMBER
C0301

Date: September 05, 2019, 8:19am
File: X:\Projects\GFL\2019\1922-6003300 SCHD Fairway Ctr Site Civil\Phase II-Site & Sewer\0302.dwg
Layout Tab: -



SIGN LEGEND:



PAVEMENT MARKING LEGEND:

- PM-1** STOP LINES--(DETAIL 10/C0702)
PM-2 CENTER LINES--(DETAIL 10/C0702)
PM-3 PATIENT PARKING LOT STALL MARKING--(DETAIL 10/C0702)
PM-4 EMPLOYEE PARKING LOT STALL MARKING--(DETAIL 10/C0702)
PM-5 ADA ACCESS AISLE/PAINTED ISLAND STRIPING--(DETAIL 8/C0702)
PM-6 ADA PARKING STALL SYMBOL--(DETAIL 9/C0702)
XXXX PATIENT PARKING AREA, (NON-HATCHED ARE EMPLOYEE DESIGNATED)

CONCRETE PAVEMENT JOINT FOR 8" LEGEND:

- E** EXPANSION JOINT AS PER BP-2.2 (DETAIL 3/C0703)
W EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS (DETAIL 3/C0703)
L STANDARD LONGITUDINAL JOINT AS PER BP-2.1 (DETAIL 3/C0703)
S STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS (DETAIL 3/C0703)
C CONTRACTION JOINT AS PER BP-2.2 (DETAIL 3/C0703)
T TRANSVERSE JOINT (DETAIL 3/C0703)
CBO MANHOLE/CASTING PAVEMENT BLOCKOUT (DETAIL 4/C0703)

KEYNOTE LEGEND:

- K-1** TAPER CONCRETE CURB FROM 6-INCH REVEAL TO 0-INCH REVEAL IN 24-INCHES
K-2 ODOT TYPE 6 CURB WITH 6-INCH REVEAL (SEE DETAIL 6/C0702)
K-2.1 6" REVEAL CURB POURED INTEGRAL WITH SIDEWALK
K-2.2 6" REVEAL CURB POURED INTEGRAL WITH HEAVY DUTY CONCRETE PAVEMENT
K-3 ODOT TYPE 6 CURB WITH 0-INCH REVEAL (SEE DETAIL 7/C0702)
K-3.1 0" REVEAL CURB POURED INTEGRAL WITH SIDEWALK
K-3.2 0" REVEAL CURB POURED INTEGRAL WITH HEAVY DUTY CONCRETE PAVEMENT
K-4 HEAVY DUTY CONCRETE PAVEMENT (SEE DETAIL 2/C0702)
K-5 HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL 3/C0702)
K-6 REGULAR DUTY ASPHALT PAVEMENT (SEE DETAIL 4/C0702)
K-7 5" CONCRETE SIDEWALK (SEE DETAIL 1/C0702)
K-8 RELOCATED DUMPSTER SCREEN LOCATION (VERT-A-A-CADE 301 SCREEN TO BE INSTALLED IN ACCORDANCE WITH CONSTRUCTION SPECIALTIES SPECIFICATIONS USING MANUFACTURER APPROVED PARTS AND MATERIALS)
[HTTPS://WWW.C-SGROUP.COM/ARCHITECTURAL-GRILLES-AND-VISION-BARRIERS/VISION-BARRIER-SCREENS/VERT-A-A-CADE-301](https://www.c-sgroup.com/architectural-grilles-and-vision-barriers/vision-barrier-screens/vert-a-CADE-301)
K-9 UPON COMPLETION OF TRENCH/FOOTER DRAIN INSTALLATION, SPREAD STOCKPILED GRAVEL REMOVED DURING DEMOLITION. (SEE DETAIL 4/C0704 AND 5/C0704)
K-10 CONCRETE WHEEL STOP (SEE DETAIL 2/C0302)
K-11 CONCRETE DRIVEWAY REPLACEMENT INTEGRAL WITH ODOT TYPE 3 CURB (SEE DETAIL 5/C0702)
K-12 FROST PROOF SLAB (SEE DETAIL 3/C0701)
K-13 GRAVEL PAVEMENT (SEE DETAIL 11/C0702)

PLANTING LEGEND (SEE SHEET L0101):

- WET TO MESIC TALLGRASS PRAIRIE MIX
 NATIVE WILDFLOWER MIX
 RED MAPLE, OCTOBER GLORY
 POTTED DOGWOOD, NEON BURST
 POTTED SILKY DOGWOOD

PARKING LOT SITE PLAN

SCALE: 1"=20'

FACE OF CURB CURVE DATA TABLE

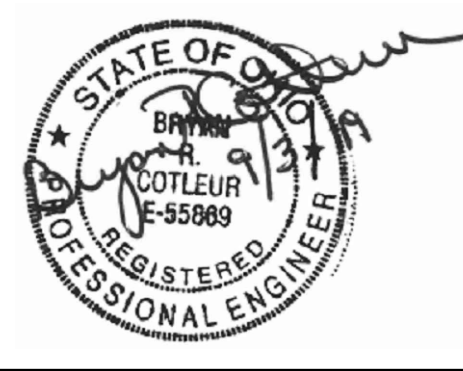
CURVE #	RADIUS (FT)	LENGTH (FT)	START POINT	END POINT	ALIGNMENT NAME
C1	5.00	7.85	N: 528,857.08 E: 2,223,690.40	N: 528,859.30 E: 2,223,683.69	FC #1
C2	20.00	9.33	N: 528,824.49 E: 2,223,578.50	N: 528,822.35 E: 2,223,569.50	FC #1
C3	3.00	4.96	N: 528,971.53 E: 2,223,601.31	N: 528,968.54 E: 2,223,604.56	FC #2
C4	15.00	22.31	N: 528,968.54 E: 2,223,604.56	N: 528,983.47 E: 2,223,618.34	FC #2
C5	15.00	20.53	N: 528,983.48 E: 2,223,638.11	N: 528,968.80 E: 2,223,650.12	FC #3
C6	3.00	5.32	N: 528,968.80 E: 2,223,650.12	N: 528,971.74 E: 2,223,653.71	FC #3
C7	3.00	5.32	N: 528,971.75 E: 2,223,680.71	N: 528,968.81 E: 2,223,684.31	FC #3
C8	15.00	19.69	N: 528,968.81 E: 2,223,684.31	N: 528,982.65 E: 2,223,696.29	FC #3
C9	8.00	12.71	N: 528,981.58 E: 2,223,720.56	N: 528,973.10 E: 2,223,728.21	FC #4
C10	5.00	7.85	N: 528,874.15 E: 2,223,713.16	N: 528,867.43 E: 2,223,710.94	FC #4

FACE OF CURB LINE DATA TABLE

LINE #	LENGTH (FT)	START POINT	END POINT	ALIGNMENT NAME
L1	77.34	N: 528,859.30 E: 2,223,683.69	N: 528,824.49 E: 2,223,614.62	FC #1
L2	36.13	N: 528,824.49 E: 2,223,614.62	N: 528,824.49 E: 2,223,578.50	FC #1
L3	83.14	N: 528,822.35 E: 2,223,569.50	N: 528,784.94 E: 2,223,495.26	FC #1
L4	32.66	N: 528,810.92 E: 2,223,482.13	N: 528,825.55 E: 2,223,511.34	FC #2
L5	142.93	N: 528,825.55 E: 2,223,511.34	N: 528,968.48 E: 2,223,511.31	FC #2
L6	18.00	N: 528,968.48 E: 2,223,511.31	N: 528,968.48 E: 2,223,529.31	FC #2
L7	18.00	N: 528,968.48 E: 2,223,529.31	N: 528,986.48 E: 2,223,529.31	FC #2
L8	72.00	N: 528,986.48 E: 2,223,529.31	N: 528,986.49 E: 2,223,601.31	FC #2
L9	14.96	N: 528,986.49 E: 2,223,601.31	N: 528,971.53 E: 2,223,601.31	FC #2
L10	14.76	N: 528,971.74 E: 2,223,653.71	N: 528,986.50 E: 2,223,653.71	FC #3
L11	27.00	N: 528,986.50 E: 2,223,653.71	N: 528,986.51 E: 2,223,680.71	FC #3
L12	14.76	N: 528,986.51 E: 2,223,680.71	N: 528,971.75 E: 2,223,680.71	FC #3
L13	0.74	N: 528,982.32 E: 2,223,720.61	N: 528,981.58 E: 2,223,720.56	FC #4
L14	11.55	N: 528,973.10 E: 2,223,728.21	N: 528,972.50 E: 2,223,739.74	FC #4
L15	47.63	N: 528,972.50 E: 2,223,739.74	N: 528,924.95 E: 2,223,736.95	FC #4
L16	20.88	N: 528,924.95 E: 2,223,736.95	N: 528,904.11 E: 2,223,735.68	FC #4
L17	24.10	N: 528,904.11 E: 2,223,735.68	N: 528,881.41 E: 2,223,727.57	FC #4
L18	16.14	N: 528,881.41 E: 2,223,727.57	N: 528,874.15 E: 2,223,713.16	FC #4



ISSUED FOR BIDDING:
09/05/2019



AKRON

**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

OHIO

**PARKING LOT SITE PLAN
PHASE II**

DRAWN: CHK'D: NO.
DESIGNED: APPRV'D: BMS
DATE: SEPTEMBER 2019
HORIZ. SCALE: 1"=50'
VERT. SCALE: NONE
PROJECT NUMBER
1922-6003-00

REVISION	BY	DATE

DLZ OHIO, INC

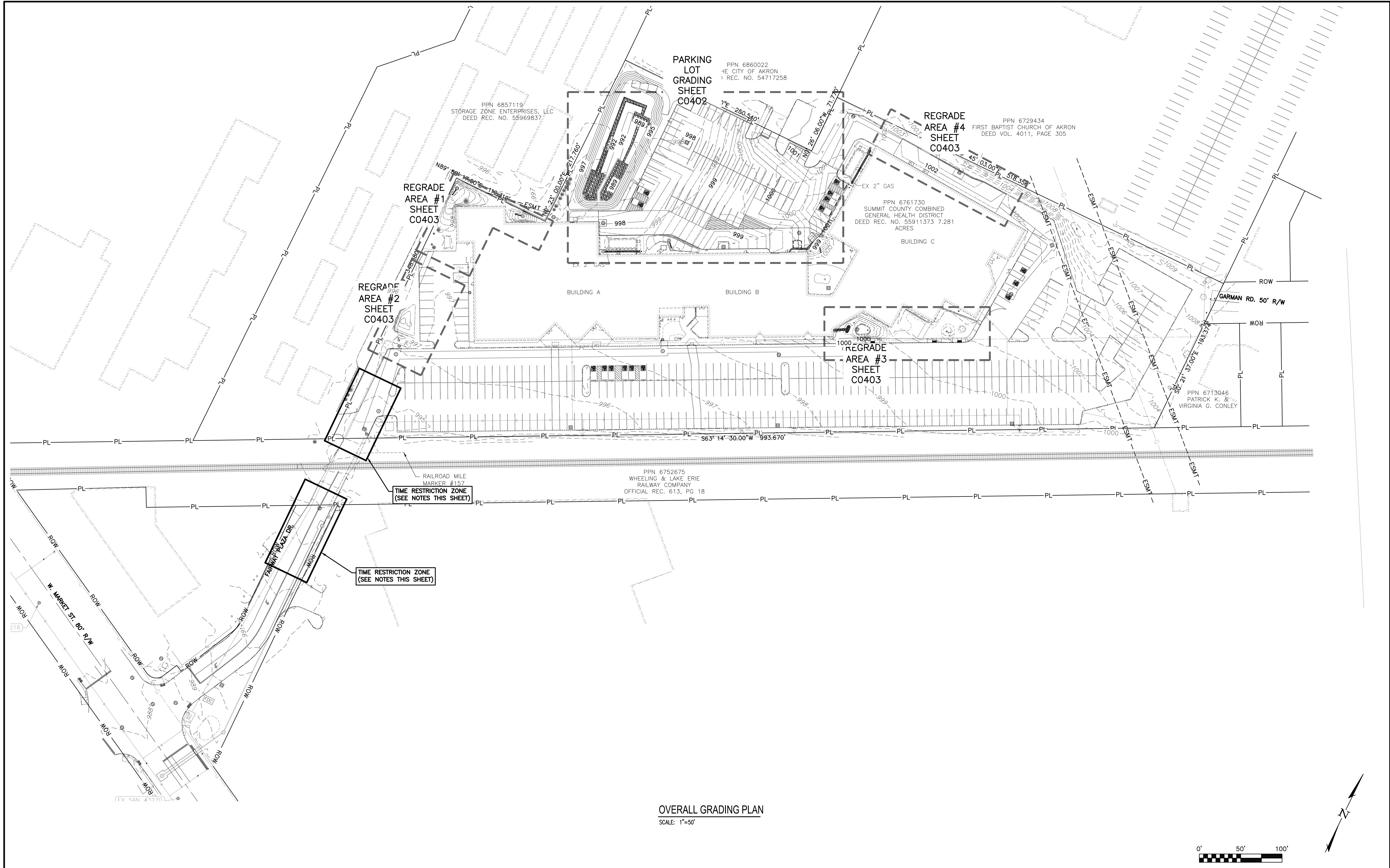
SHEET 5

OF 45

DRAWING NUMBER

C0302

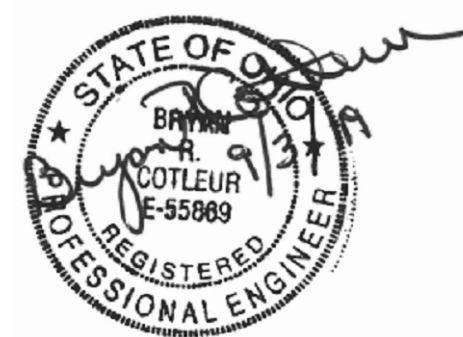
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OVERALL GRADING PLAN
SCALE: 1"=50'



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**OVERALL GRADING PLAN
PHASE II**

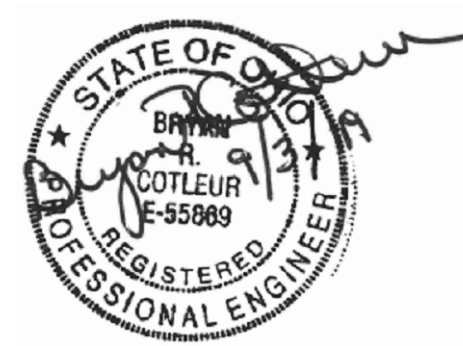
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DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=50'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

SHEET 6
OF 45
DRAWING NUMBER
C0401



ISSUED FOR BIDDING:
09/05/2019



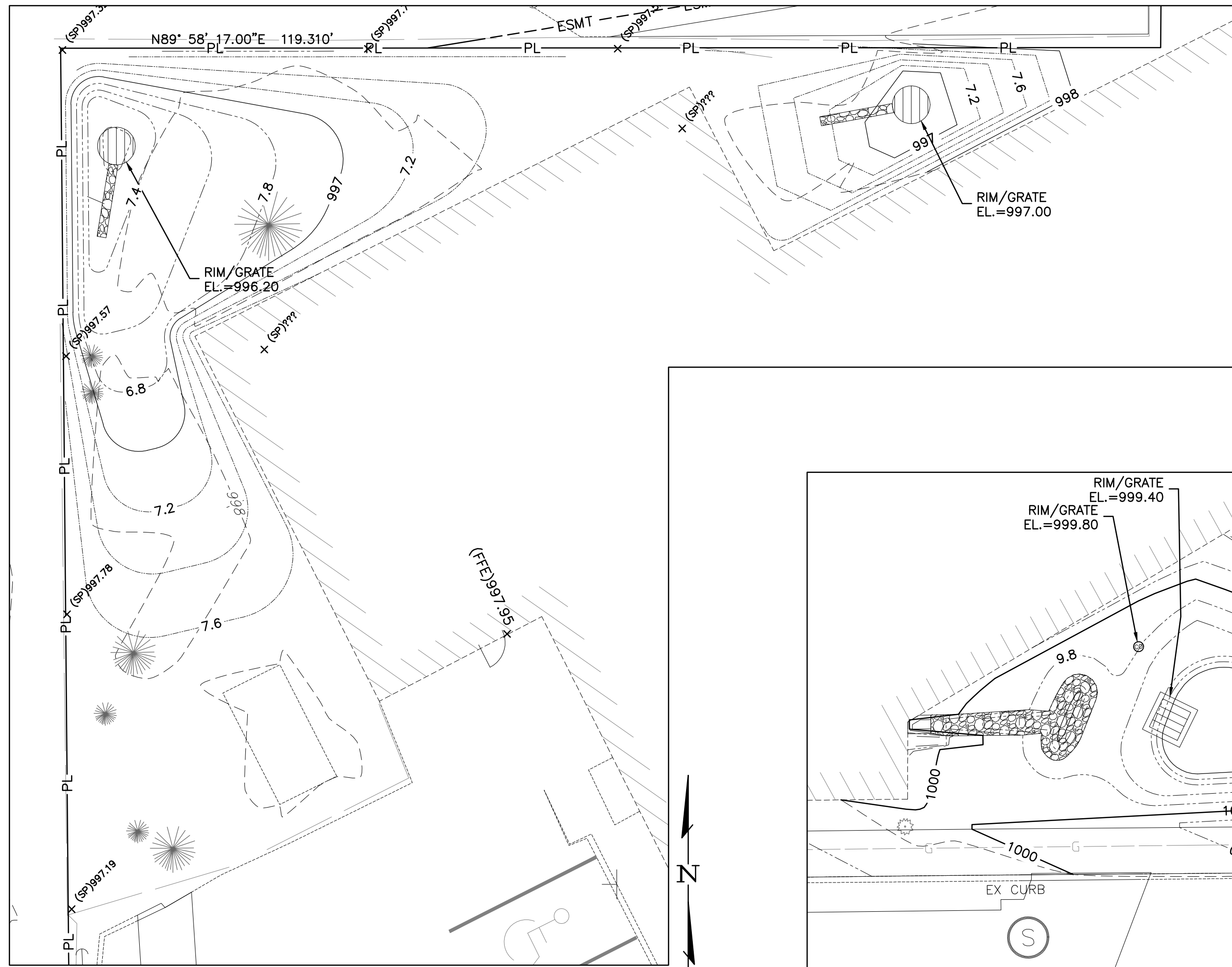
AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**PARKING LOT ENLARGED GRADING PLAN
PHASE II**

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DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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1922-6003-00		△			

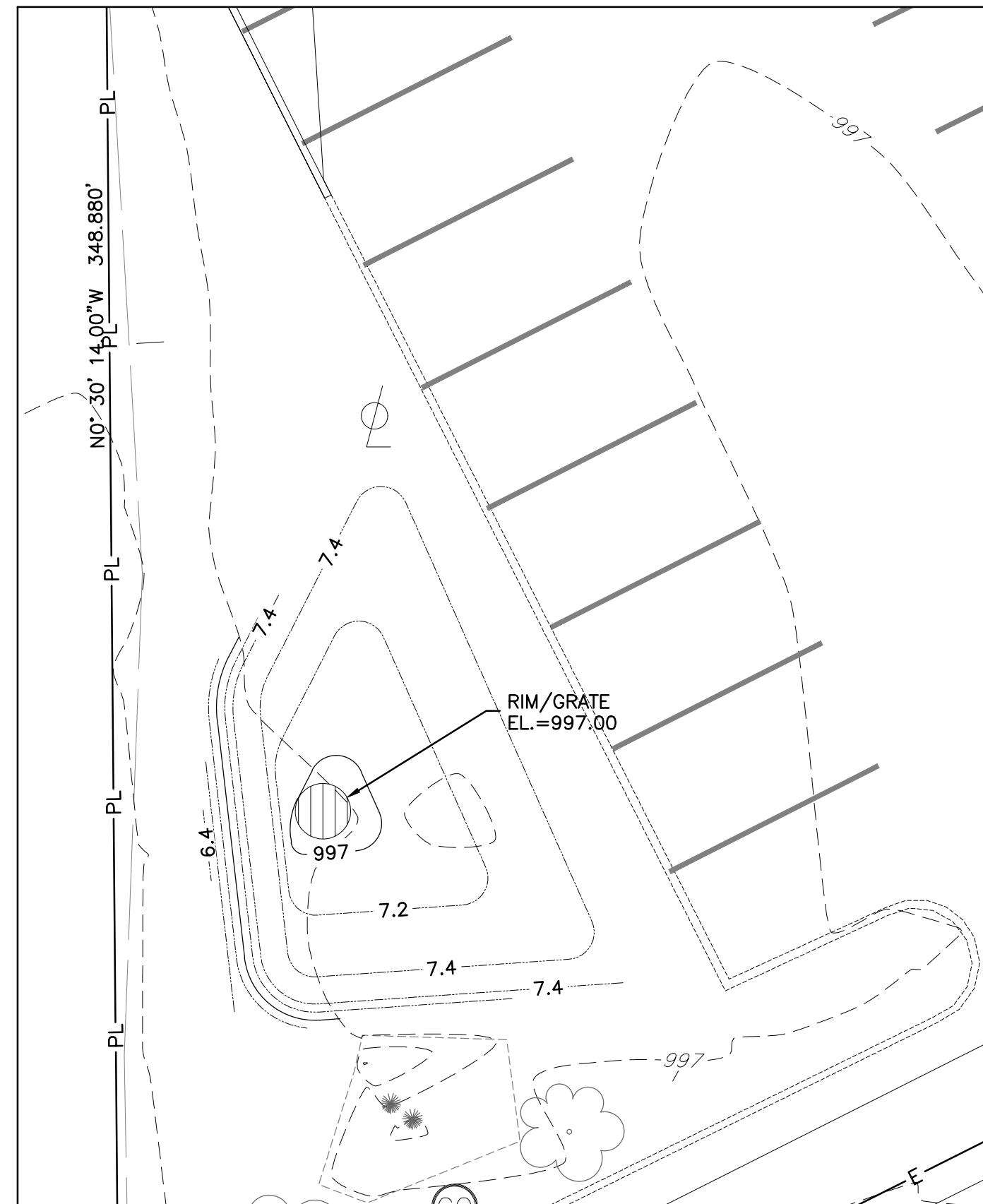
DLZ OHIO, INC

SHEET 7
OF 45
DRAWING NUMBER
C0402

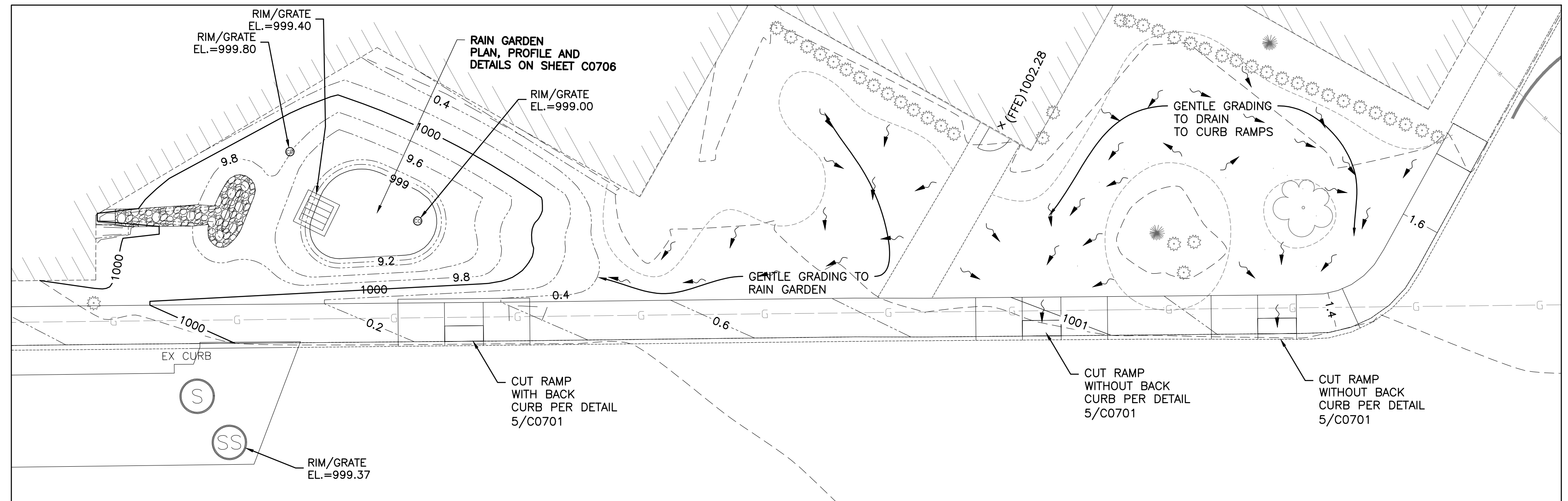
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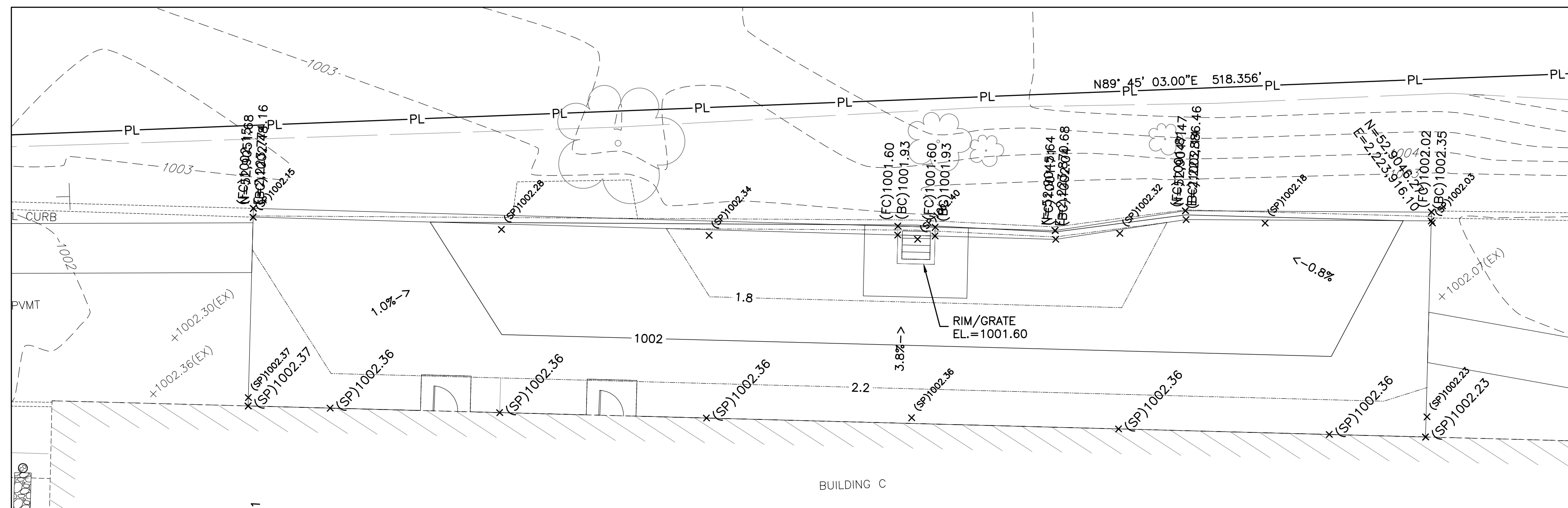
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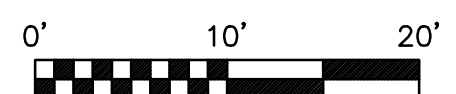
REGRADE AREA #2
SCALE: 1"=10'



REGRADE AREA #3
SCALE: 1"=10'



REGRADE AREA #4
SCALE: 1"=10'



ISSUED FOR BIDDING:
09/05/2019

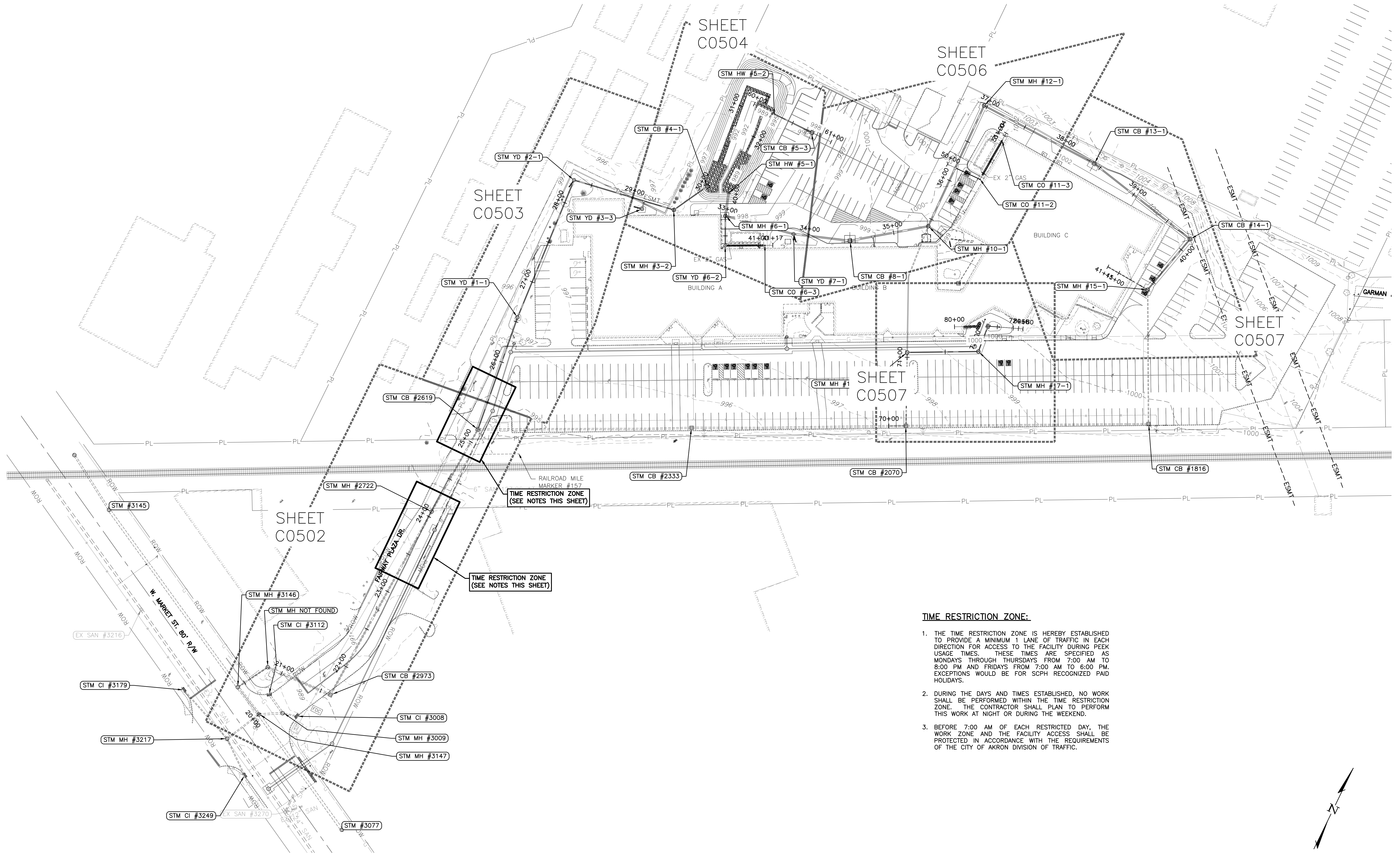


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**REGRADE AREAS ENLARGED PLAN
PHASE II**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

SHEET 8
OF 45
DRAWING NUMBER
C0403



TIME RESTRICTION ZONE:

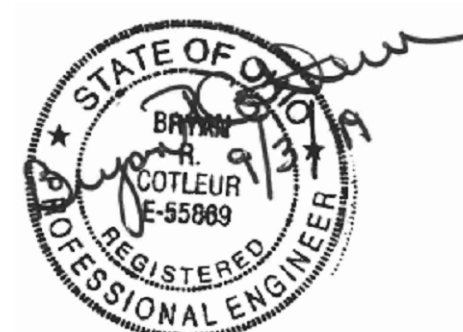
1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEEK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPH RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.

OVERALL STORM SEWER PLAN
SCALE: 1"=50'

0' 50' 100'



ISSUED FOR BIDDING:
09/05/2019



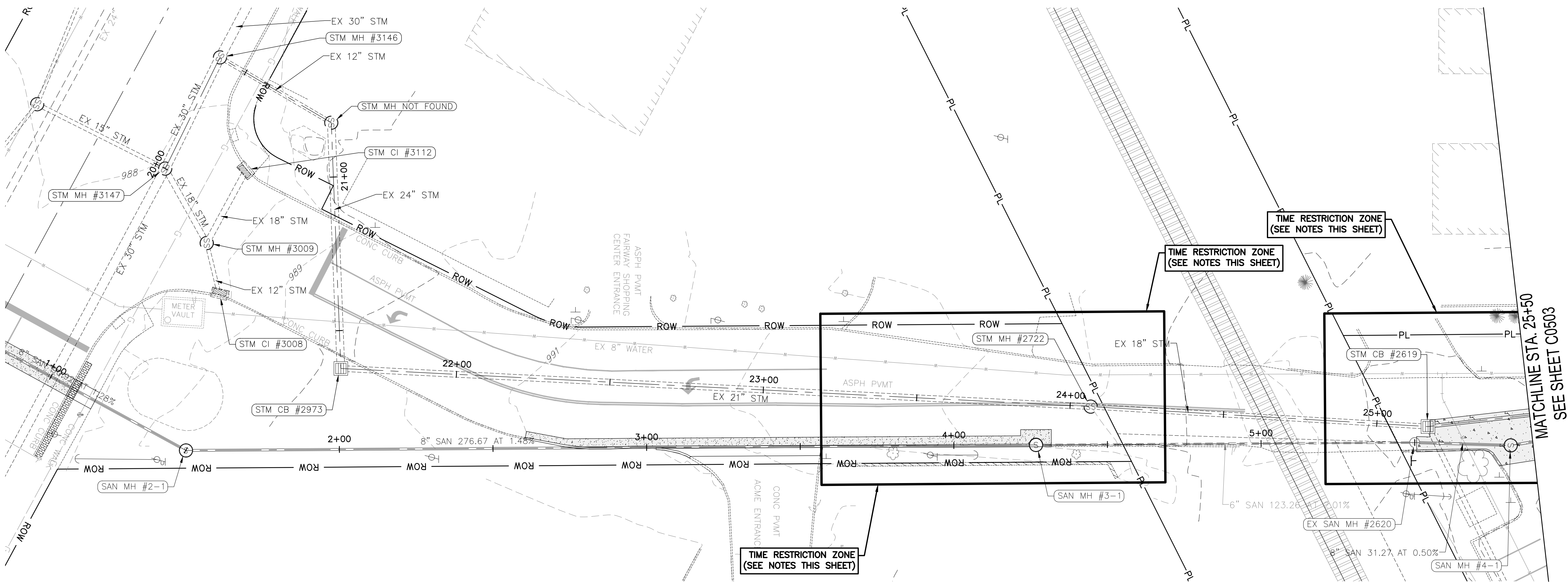
AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**OVERALL STORM SEWER PLAN
PHASE II**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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PROJECT NUMBER		△			
1922-6003-00		△			

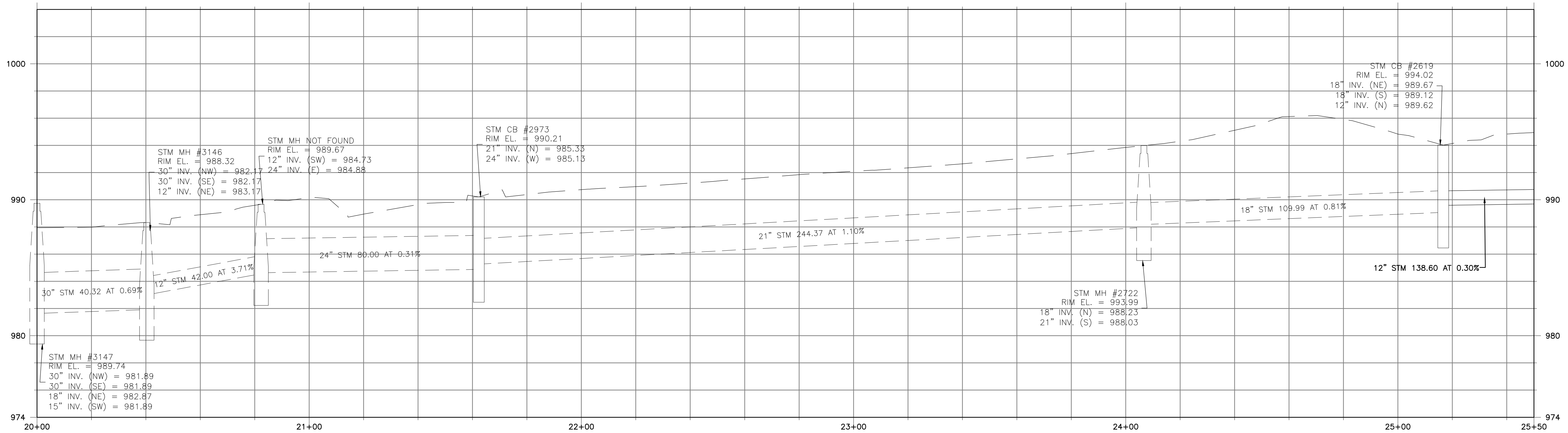
DLZ OHIO, INC

SHEET 9
OF 45
DRAWING NUMBER
C0501

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STORM SEWER PLAN, STA 20+00 TO 25+50
SCALE: 1"=20'



STORM SEWER PROFILE, STA 20+00 TO 25+50
SCALE: H: 1"=20', V: 1"=4'



TIME RESTRICTION ZONE:

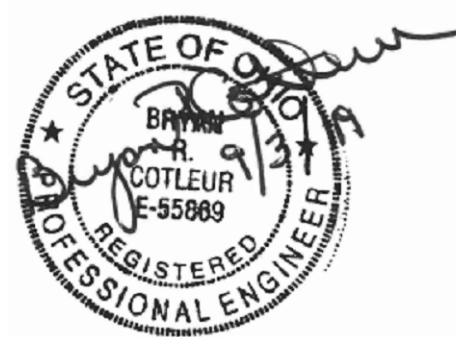
1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEEK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPH RECOGNIZED PAID HOLIDAYS.
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3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.

STORM STRUCTURE TABLE		
STRUCTURE ID	LOCATION	DETAILS
STM CB #2619	N=528,450.35 E=2,223,343.10	RIM EL. = 994.02 SUMP EL. = 987.12 18" INV. (NE) = 989.67 18" INV. (S) = 989.12 12" INV. (N) = 989.62

STORM PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH	SLOPE (%)
STM 1-1	12"	138.60	0.30%



ISSUED FOR BIDDING:
09/05/2019



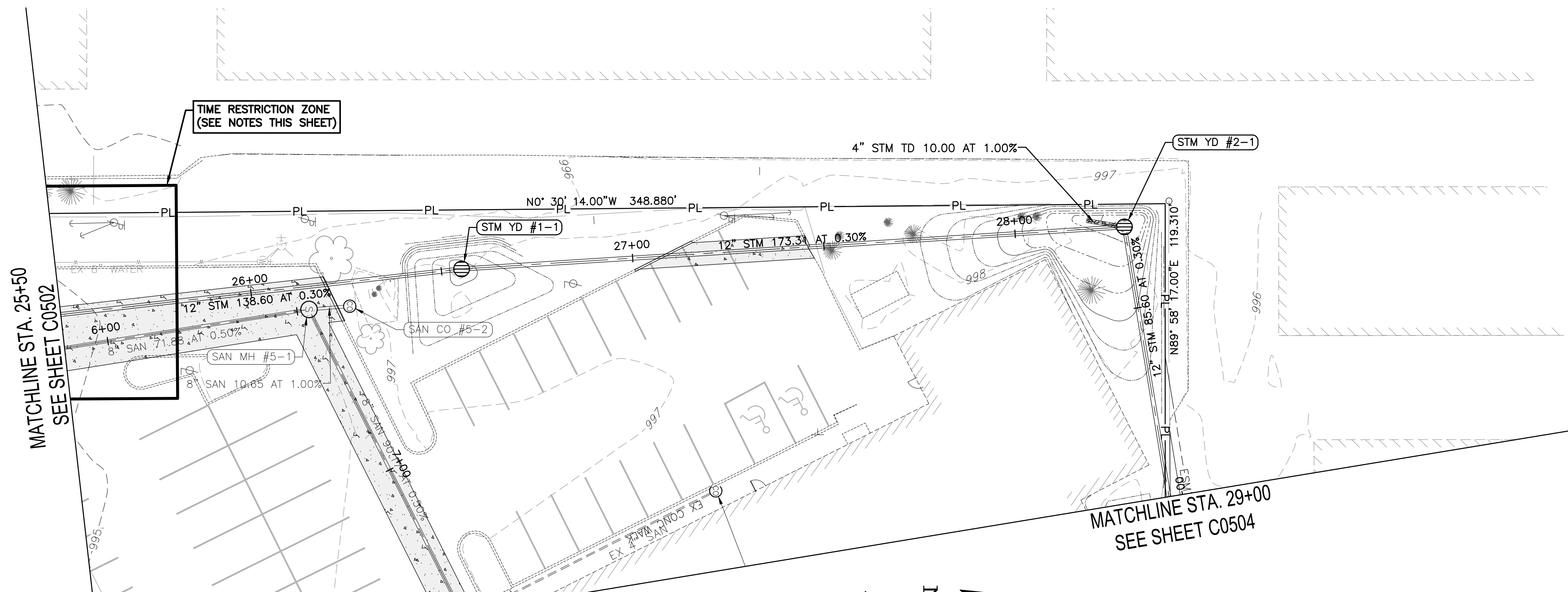
AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**STORM SEWER PLAN AND PROFILE
STA. 20+00 TO 25+50
PHASE II**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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VERT. SCALE: 1"=4'		△			
PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

SHEET 10
OF 45
DRAWING NUMBER
C0502

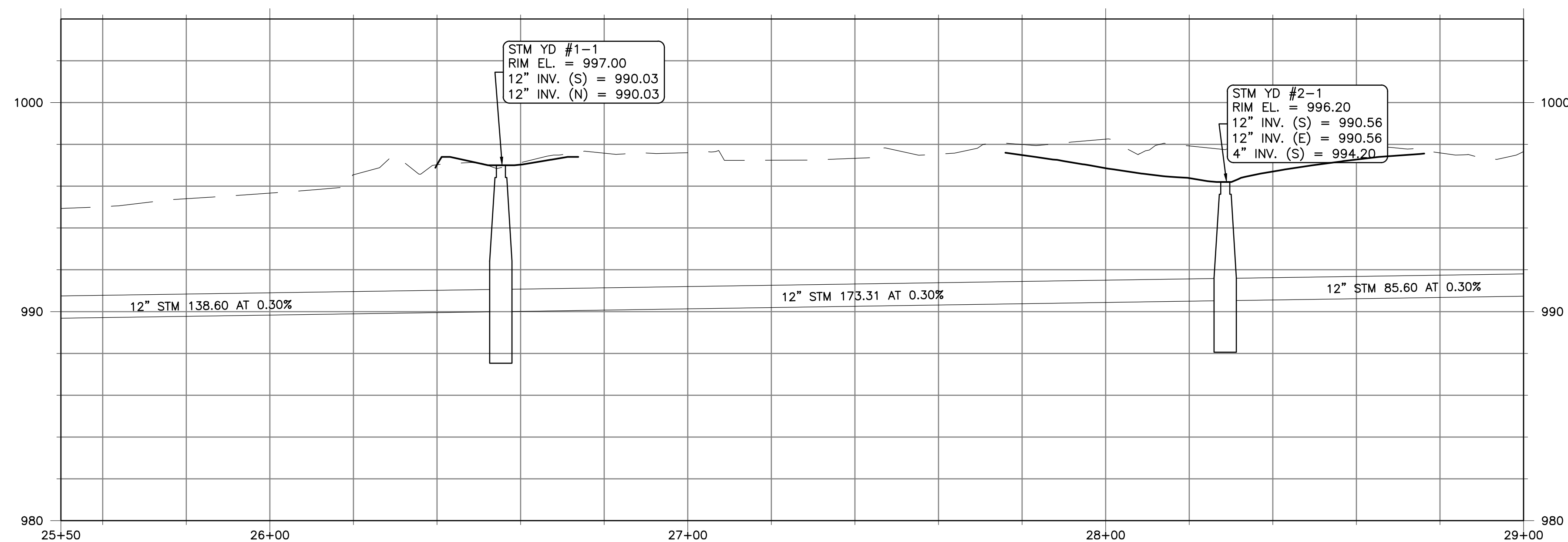
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STORM SEWER PLAN, STA 25+50 TO 29+00
SCALE: 1"=20'

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEAK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPH RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
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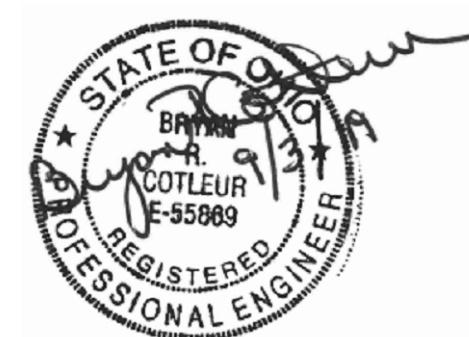
STORM SEWER PROFILE, STA 25+50 TO 29+00
SCALE: H: 1"=20', V: 1"=4'

STORM STRUCTURE TABLE		
STRUCTURE ID	LOCATION	DETAILS
STM YD #1-1	N=528,588.07 E=2,223,327.47	RIM EL. = 997.00 SUMP EL. = 988.03 12" INV (S) = 990.03 12" INV (N) = 990.03
STM YD #2-1	N=528,761.03 E=2,223,316.47	RIM EL. = 996.20 SUMP EL. = 988.56 12" INV (S) = 990.56 4" INV (S) = 994.20 12" INV (E) = 990.56

STORM PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH	SLOPE (%)
STM 1-1	12"	138.60	0.30%
STM 2-1	12"	173.31	0.30%
STM 3-1	12"	85.60	0.30%



ISSUED FOR BIDDING:
09/05/2019

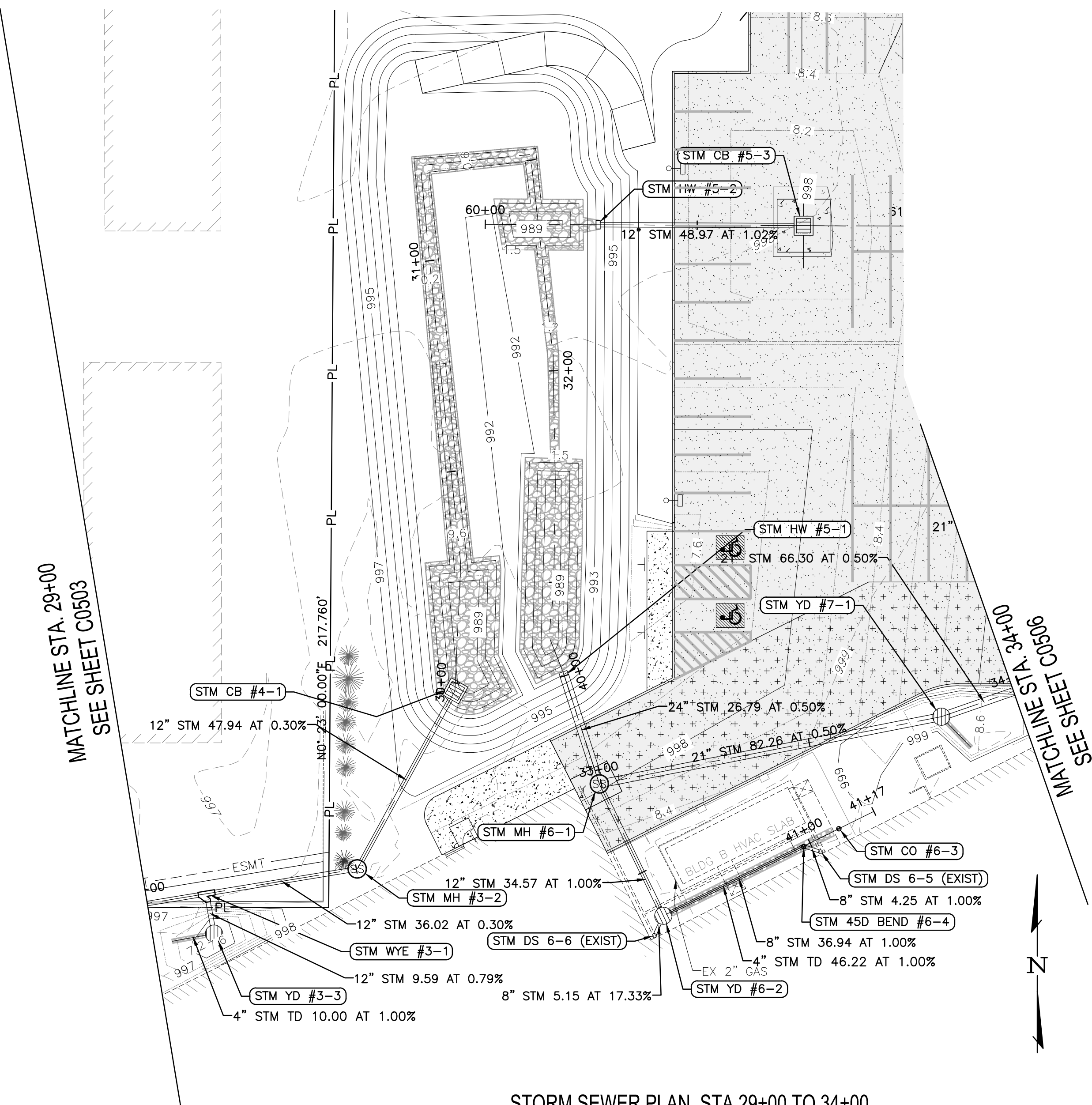


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**STORM SEWER PLAN AND PROFILE
STA. 25+50 TO 29+00
PHASE II**

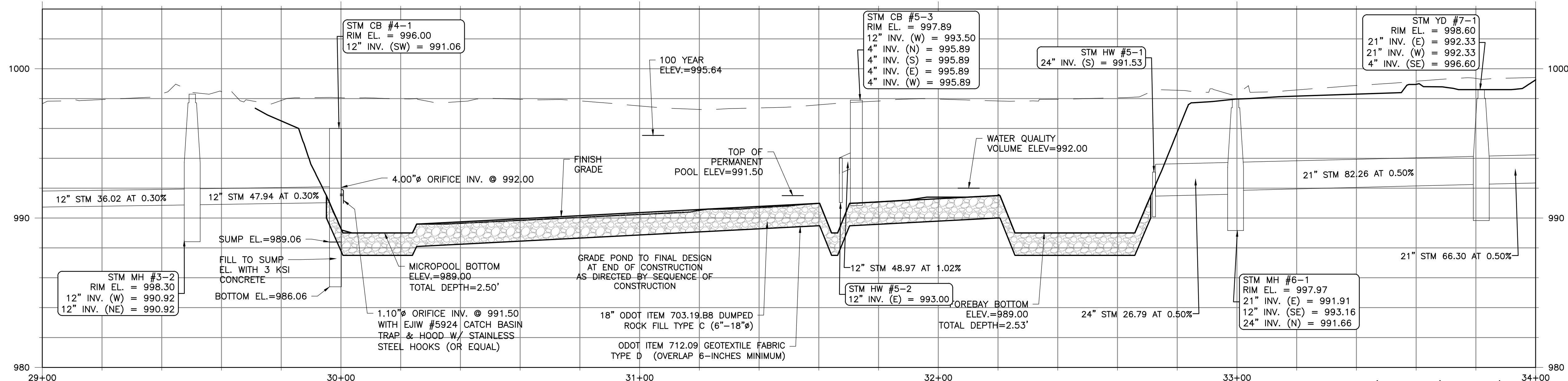
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PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

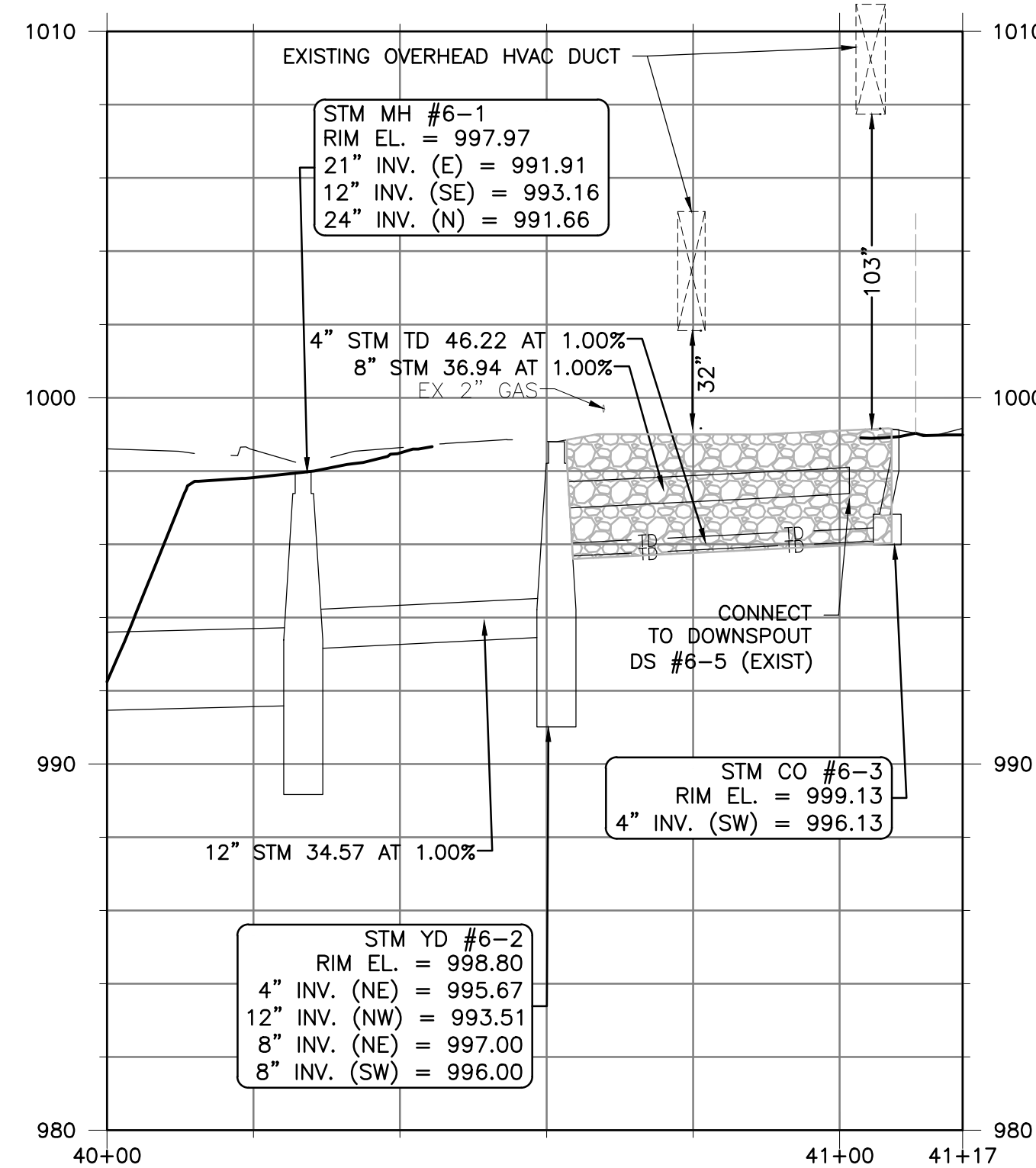
SHEET 11
OF 45
DRAWING NUMBER
C0503



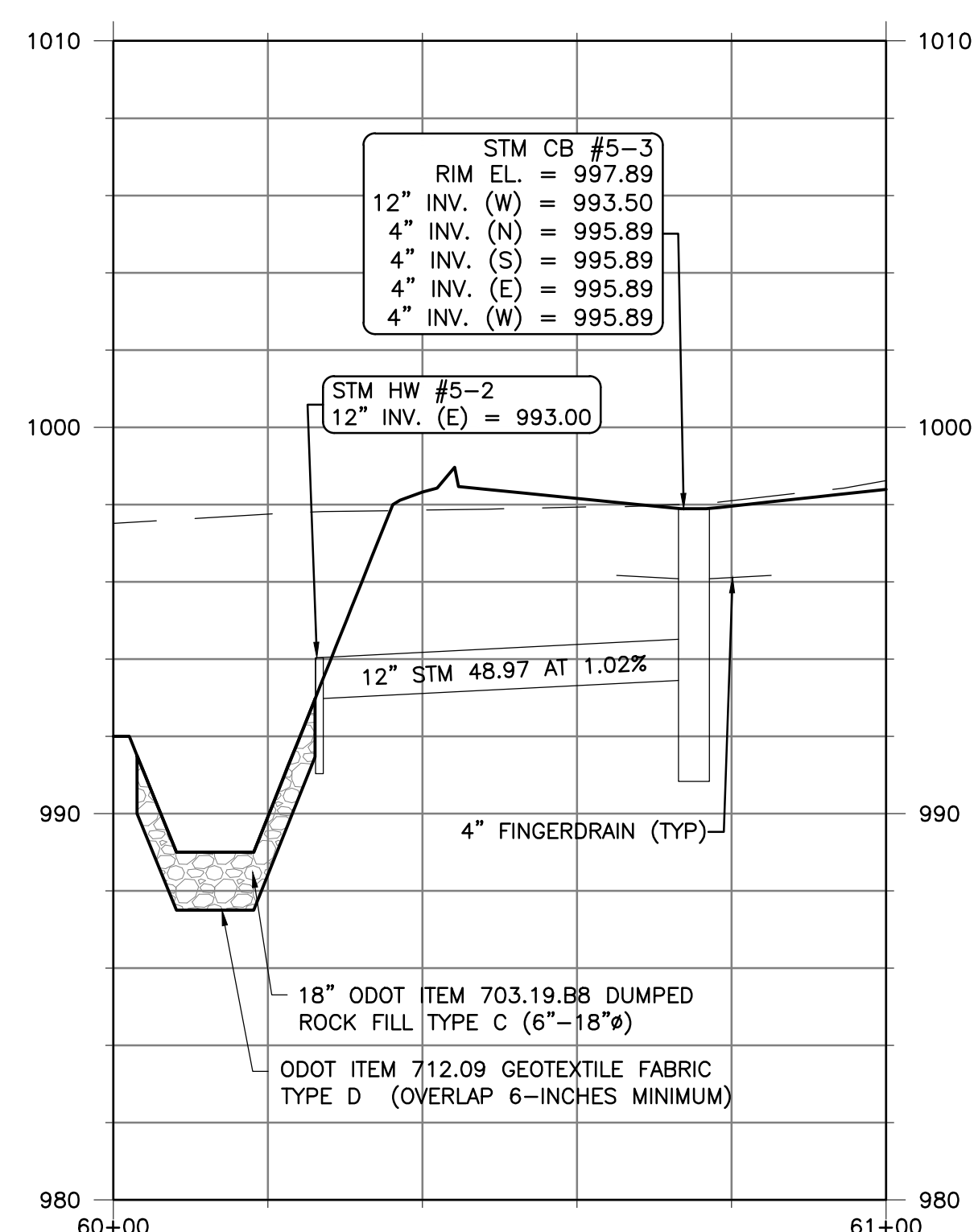
STORM SEWER PLAN, STA 29+00 TO 34+00
SCALE: 1"=20'



STORM SEWER PROFILE, STA 29+00 TO 34+00
SCALE: H: 1"=20', V: 1"=4'



STORM SEWER PROFILE, STA 40+00 TO 41+17
SCALE: H: 1"=20', V: 1"=4'



STORM SEWER PROFILE, STA 60+00 TO 61+00
SCALE: H: 1"=20', V: 1"=4'

Table 2.6.3 Typical Maintenance Activities For Water Quality Ponds (USEPA) Adapted from WMI, 1997 and SMR

Schedule	Activity
Monthly	Mow embankment and clean trash and debris from outlet structure. Address any accumulation of hydrocarbons.
Annually	Inspect embankment and outlet structure for damage and proper flow. Remove woody vegetation and fix any eroding areas. Monitor sediment accumulations in forebay and main pool.
Semi-Annually	Inspect wetland areas for invasive plants.
3-7 years	Remove Sediment from forebay s.
15-20 years	Monitor sediment accumulations in the main pool and clean as pond becomes eutrophic or pool volume is reduced significantly.

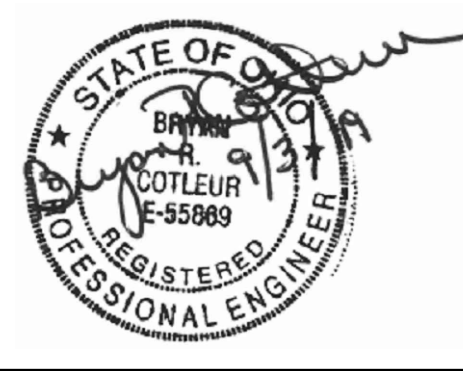
STORM STRUCTURE TABLE		
STRUCTURE ID	LOCATION	DETAILS
STM CB #4-1	N=528,822.82 E=2,223,459.54	RIM EL. = 996.00 SUMP EL. = 996.06 12" INV (SW) = 991.06
STM CB #5-3	N=528,932.55 E=2,223,541.79	RIM EL. = 997.89 SUMP EL. = 991.50 4" INV (N) = 995.89 4" INV (W) = 995.89 12" INV (W) = 993.50 4" INV (S) = 995.89 4" INV (E) = 995.89
STM CO #6-3	N=528,790.25 E=2,223,550.12	RIM EL. = 999.13 SUMP EL. = 991.53 4" INV (SW) = 996.13
STM MH #3-2	N=528,780.79 E=2,223,436.47	RIM EL. = 998.30 SUMP EL. = 998.92 12" INV (W) = 990.92 12" INV (NE) = 990.92
STM MH #6-1	N=528,800.84 E=2,223,493.59	RIM EL. = 997.97 SUMP EL. = 989.66 21" INV (E) = 991.91 12" INV (SE) = 993.16 24" INV (N) = 991.66
STM YD #3-3	N=528,765.51 E=2,223,402.68	RIM EL. = 997.00 SUMP EL. = 999.89 4" INV (W) = 993.80 12" INV (N) = 991.89
STM YD #6-2	N=528,769.74 E=2,223,508.70	RIM EL. = 998.80 SUMP EL. = 991.51 8" INV (NE) = 997.00 8" INV (SW) = 996.00 4" INV (NE) = 995.67 12" INV (NW) = 993.51
STM YD #7-1	N=528,816.70 E=2,223,574.31	RIM EL. = 998.60 SUMP EL. = 990.33 21" INV (E) = 992.33 21" INV (W) = 992.33 4" INV (SE) = 996.60

STORM CONNECTOR TABLE			
STRUCTURE ID	LOCATION	DETAILS	
STM 45D BEND #6-4	N=528,786.13 E=2,223,541.80	8" INV (E) = 997.37 8" INV (SW) = 997.37	
STM DS 6-5 (EXIST)	N=528,784.80 E=2,223,545.83	8" INV (W) = 997.41	
STM DS 6-6 (EXIST)	N=528,765.05 E=2,223,506.59	8" INV (NE) = 996.89	
STM HW #5-1	N=528,826.33 E=2,223,485.36	24" INV (S) = 991.53	
STM HW #5-2	N=528,932.76 E=2,223,492.82	12" INV (E) = 993.00	
STM WYE #3-1	N=528,774.94 E=2,223,400.94	12" INV (W) = 990.81 12" INV (S) = 991.81 12" INV (E) = 990.81	

STORM PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH	SLOPE (%)
STM 3-1	12"	85.60	0.30%
STM 3-2	12"	36.02	0.30%
STM 3-3	12"	9.59	0.79%
STM 4-1	12"	47.94	0.30%
STM 5-3	12"	48.97	1.02%
STM 6-1	24"	26.79	0.50%
STM 6-2	12"	34.57	1.00%
STM 6-4	8"	36.94	1.00%
STM 6-5	8"	4.25	1.00%
STM 6-6	8"	5.15	17.33%
STM 7-1	21"	82.26	0.50%
STM 8-1	21"	66.30	0.50%
STM TD 3-3	4"	10.00	1.00%
STM TD 6-3	4"	46.22	1.00%



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**STORM SEWER PLAN AND PROFILE
STA. 29+00 TO 34+00
PHASE II**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D:				
DATE: SEPTEMBER 2019					
HORIZ. SCALE: 1"=20'					
VERT. SCALE: 1"=4'					
PROJECT NUMBER					
1922-6003-00					

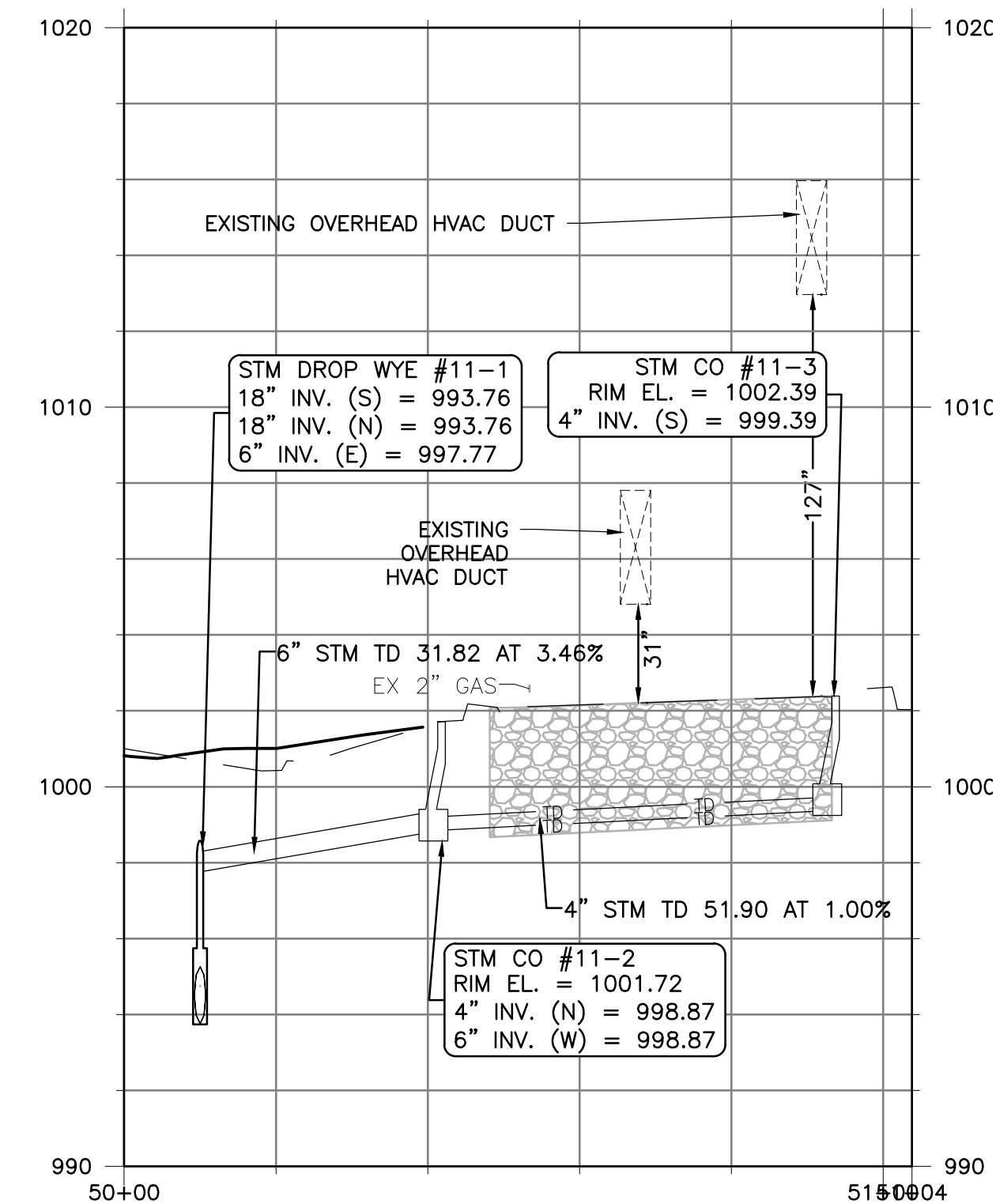
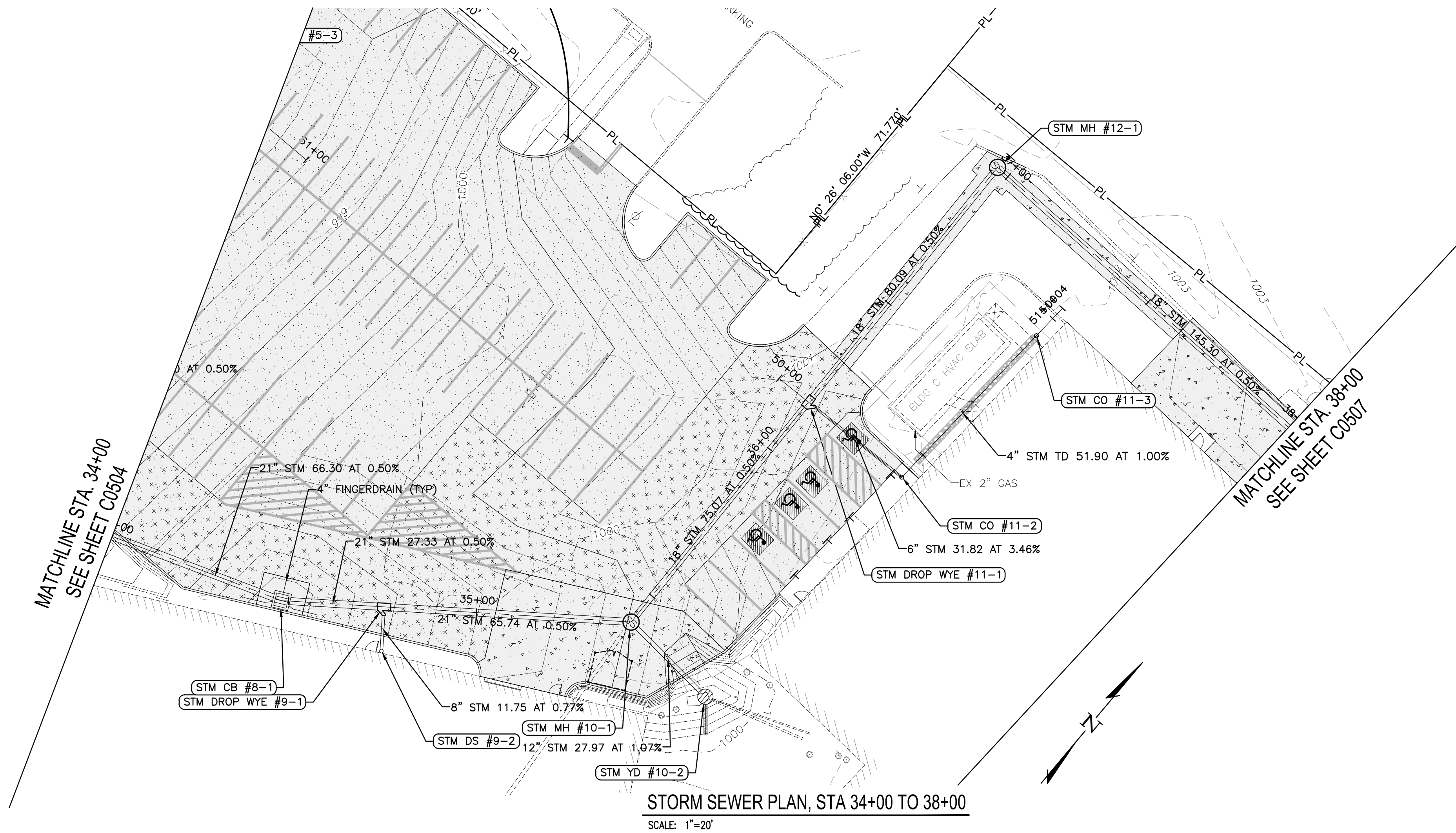
DLZ OHIO, INC

SHEET 12
OF 45
DRAWING NUMBER
C0504

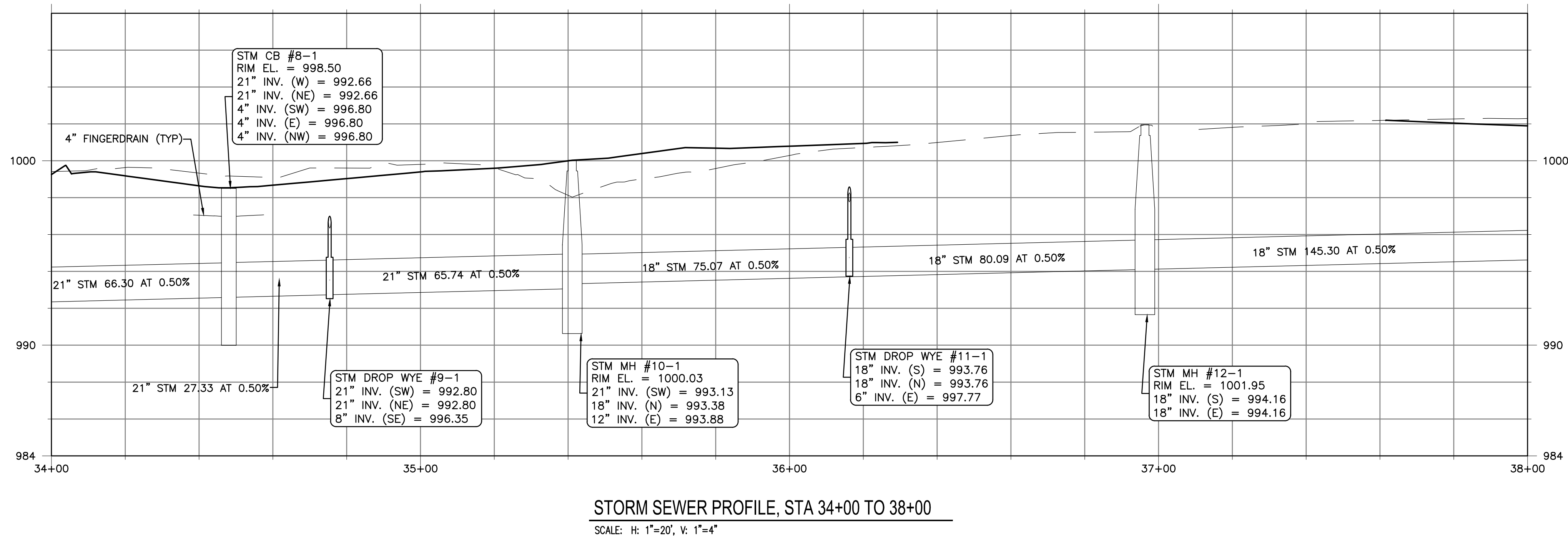
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Layout Tab: -

SUMMIT COUNTY HEALTH DISTRICT									
Storm Water Quality & Detention Calculations				Project Name: Fairway Center					
Calculated By: PAN		Date: 6/18/2019		Project Number: 1922-6003-00					
Checked By: _____		Date: _____							
Site Data									
AREAS						SQ. FT.		ACRE	
Total Site Area=						317,173.45		7.28	
								SQ. MI.	
								0.011	

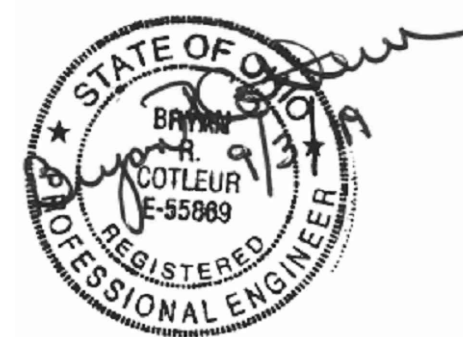
		Additional 20% capacity for sediment accumulation=	0.009	acre feet =	412.12	cubic feet			
		Total Water Quality Volume Required=	412.12	plus	2060.59	equals	2472.709	cubic feet	
		Sediment Accumulation Volume provided=	2796.33	cubic feet	at elevation=	991.50			
		Total Water Quality Volume Provided at elev.992.00 =	4702.43	cubic feet	minus	1792.46	equals	2909.973	cubic feet
		Total Pond Area=	6859.78	square feet	at elevation =	993.00			
		Forebay Area Required 8% to 25% of Pond Area=	549	to	1715	square feet			
		Forebay area provided=	694.99	square feet	at elevation =	991.50	10.1%		
		Micro-pool Volume Required 10% of total Water Quality Volume=	0.0047	acre feet =	206.06	cubic feet			
		Micro-pool Volume provided=	266.63	cubic feet	at elevation =	990.00	12.9%		
NORTH POND									
		Elevation		Pond and Forebay	Micropool	Sum	Average Volume	Incremental Volume	Accumulated Volume cubic feet
		989.00		159.26	161.82	321.08	401.87	200.94	200.94
		989.50	0.50	251.29	231.37	482.66	637.76	318.88	519.81
		990.00	0.50	350.88	441.98	792.86			
		991.00	1.00	350.88	441.98	792.86	1272.64	1272.64	1792.46
		991.00	0.50	572.73	1179.69	1752.42			
			0.50	694.99	1568.08	2263.07	2007.75	1003.87	2796.33
		991.50	0.50	694.99	1568.08	2263.07	3812.20	1906.10	4702.43
		992.00	1.00	5361.32		5361.32			
			1.00	5361.32		5361.32	6110.55	6110.55	10812.98
		993.00	1.00	6859.78		6859.78			
			1.00	6859.78		6859.78	7279.92	7279.92	18092.89
		994.00	1.00	7700.05		7700.05			
			1.00	7700.05		7700.05	8135.40	8135.40	26228.29
		995.00	1.00	8570.75		8570.75			
			1.00	8570.75		8570.75	9036.87	9036.87	35265.16
		996.00	1.00	9502.98		9502.98			
			1.00	9502.98		9502.98	10072.61	10072.61	45337.77
		997.00		10642.24		10642.24			
MICROPOOL CAPACITY									
		Elevation							
			Average Volume (cf)	Incremental Volume (cf)	Accumulated Volume (cf)				
		989.00							
			196.60	98.30	98.30				
		989.50							
			336.67	168.34	266.63				
		990.00							
			810.84	810.84	1077.47				
		991.00							
			1373.89	686.94	1764.42				
		991.50							
Post Construction Water Quality Pond Draw Down Time:									
Orifice Size needed to dewater 100% of Water Quality Volume in 48 hours minium									
		Q=CxAx(2gxH)^0.5							
			C=	0.60					
			Orifice diameter=	1.100	inches=	0.09	feet		
			Orifice Area A=	0.0066	square feet				
			g=	32.20	ft/sec^2				
			Elev at top of volume=	992.00					
			Elev at bottom of volume=	991.50					
			Average Height H=	0.25					
			Q=	0.0159	cubic feet per second				
			Total Volume of water=	2909.97	cubic feet				
			Total Amount of time for dewatering=	183152.32	seconds=	50.88	hours		



STORM STRUCTURE TABLE			
STRUCTURE ID	LOCATION	DETAILS	
STM CB #8-1	N=528,838.52 E=2,223,636.91	RIM EL. = 998.50	
		SUMP EL. = 990.66	
		4" INV (SW) = 996.80	
		4" INV (NW) = 996.80	
		21" INV (W) = 992.66	
STM CO #11-2	N=528,969.55 E=2,223,742.06	21" INV (NE) = 992.66	
		4" INV (E) = 996.80	
		RIM EL. = 1001.72	
		SUMP EL. = 994.04	
		6" INV (W) = 998.87	
STM CO #11-3	N=529,021.36 E=2,223,745.31	4" INV (N) = 998.87	
		RIM EL. = 1002.39	
		SUMP EL. = 994.79	
		4" INV (S) = 999.39	
		RIM EL. = 1000.03	
STM MH #10-1	N=528,893.86 E=2,223,711.74	SUMP EL. = 991.13	
		21" INV (SW) = 993.13	
		12" INV (E) = 993.88	
		18" INV (N) = 993.38	
		RIM EL. = 1001.95	
STM MH #12-1	N=529,048.99 E=2,223,708.64	SUMP EL. = 992.16	
		18" INV (S) = 994.16	
		18" INV (E) = 994.16	
		RIM EL. = 999.00	
		SUMP EL. = 992.18	
STM YD #10-2	N=528,891.34 E=2,223,739.59	12" INV (W) = 994.18	
		6" INV (E) = 996.80	
		4" INV (E) = 996.05	
		4" INV (SE) = 997.00	
STORM CONNECTOR TABLE			
STRUCTURE ID	LOCATION	DETAILS	
STM DROP WYE #9-1	N=528,854.77 E=2,223,658.88	21" INV (SW) = 992.80	
		21" INV (NE) = 992.80	
		8" INV (SE) = 996.35	
STM DROP WYE #11-1	N=528,968.92 E=2,223,710.24	18" INV (S) = 993.76	
		18" INV (N) = 993.76	
		6" INV (E) = 997.77	
STM DS #9-2	N=528,845.32 E=2,223,665.87	8" INV (NW) = 996.44	
STORM PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH	SLOPE (%)
STM 8-1	21"	66.30	0.50%
STM 9-1	21"	27.33	0.50%
STM 9-2	8"	11.75	0.77%
STM 10-1	21"	65.74	0.50%
STM 10-2	12"	27.97	1.07%
STM 11-1	18"	75.07	0.50%
STM 11-2	6"	31.82	3.46%
STM 12-1	18"	80.09	0.50%
STM 13-1	18"	145.30	0.50%
STM TD 11-3	4"	51.90	1.00%



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AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**STORM SEWER PLAN AND PROFILE
STA. 34+00 TO 38+00
PHASE II**

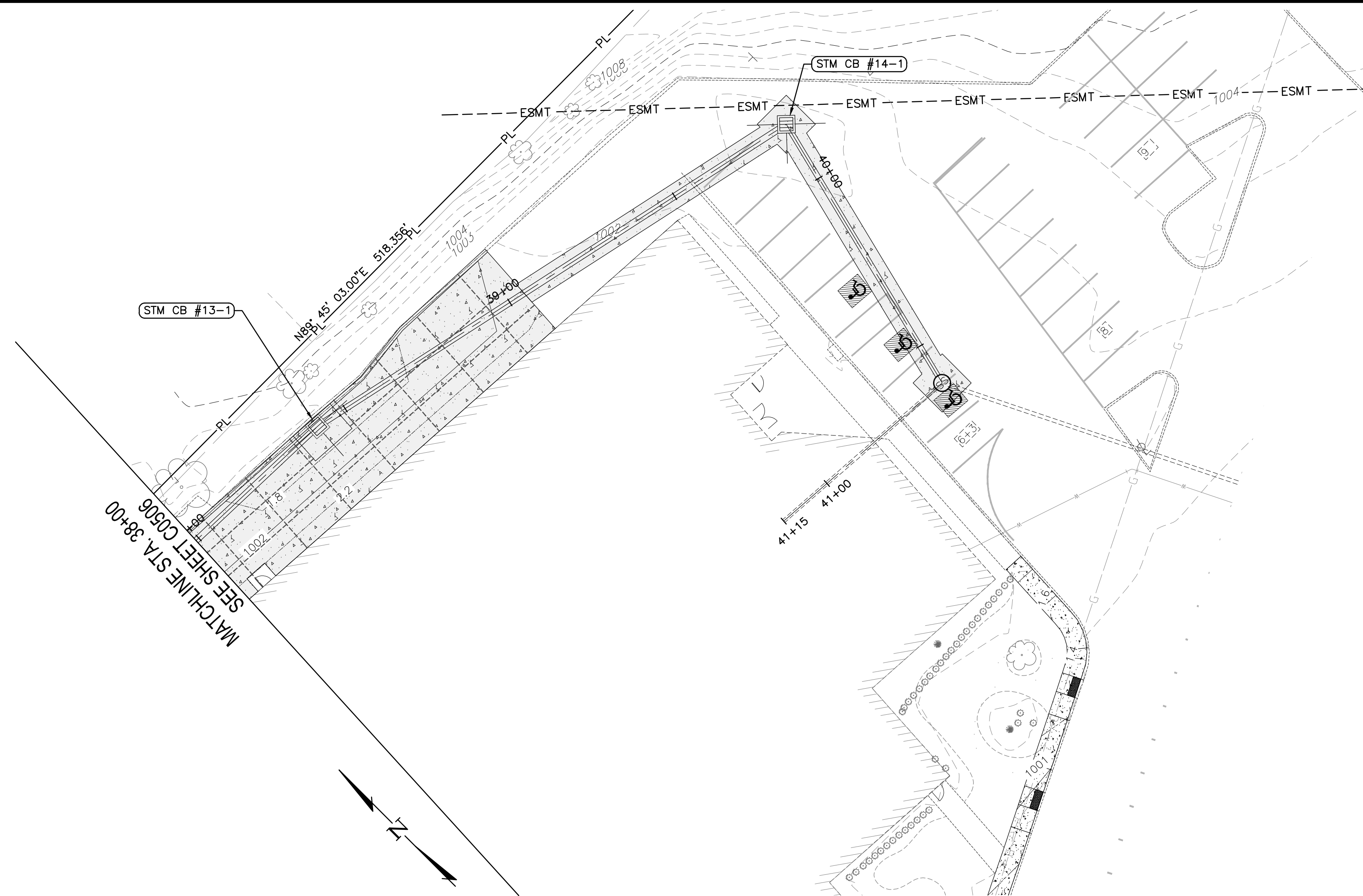
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1922-6003-00		△			



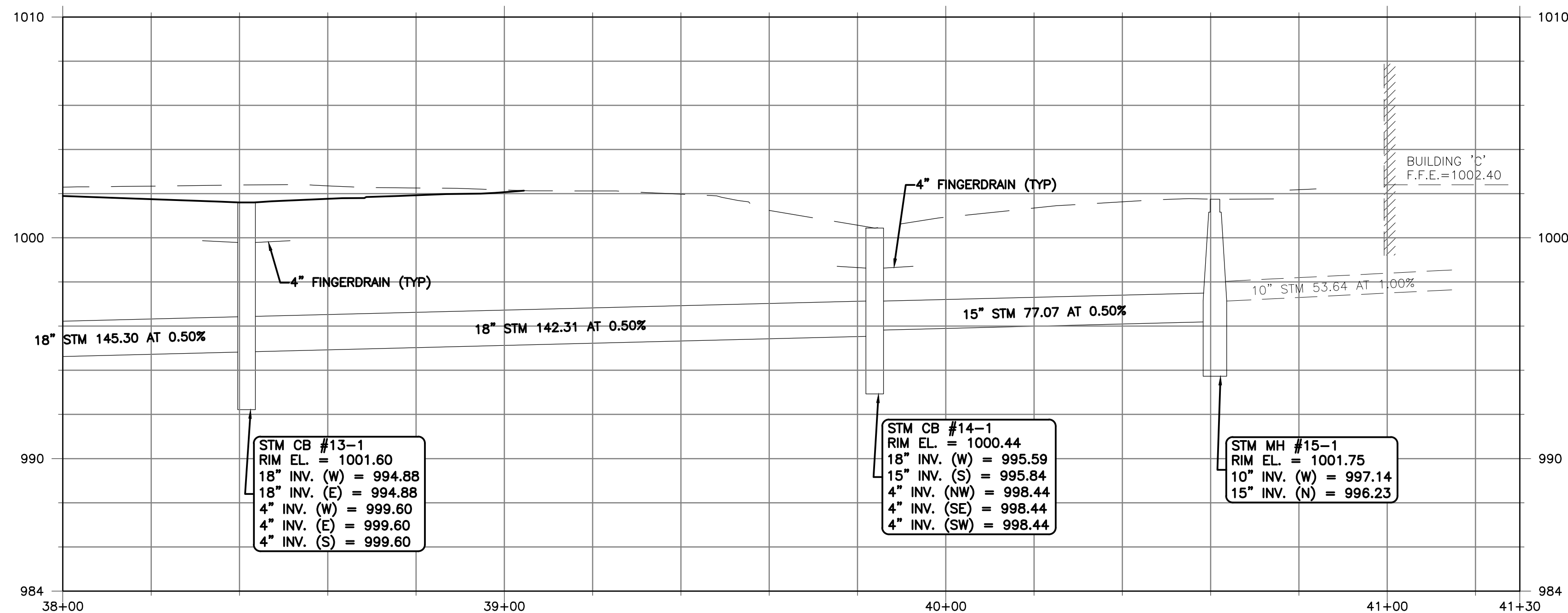
DLZ OHIO, INC

SHEET 14
OF 45
DRAWING NUMBER
C0506

Date: September 05, 2019, 8:48am
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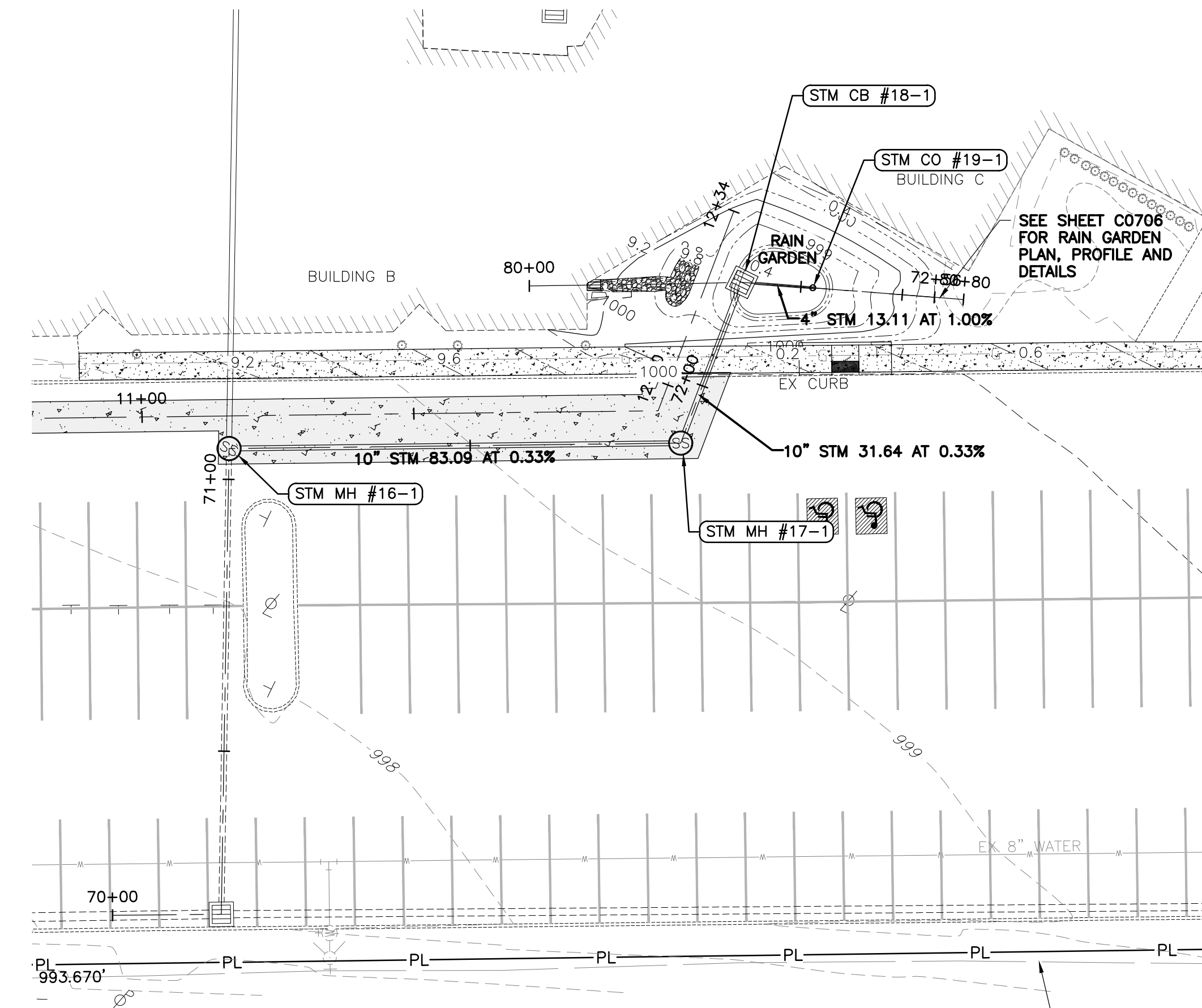


STORM SEWER PLAN, STA 38+00 TO 41+30
SCALE: 1"=20'

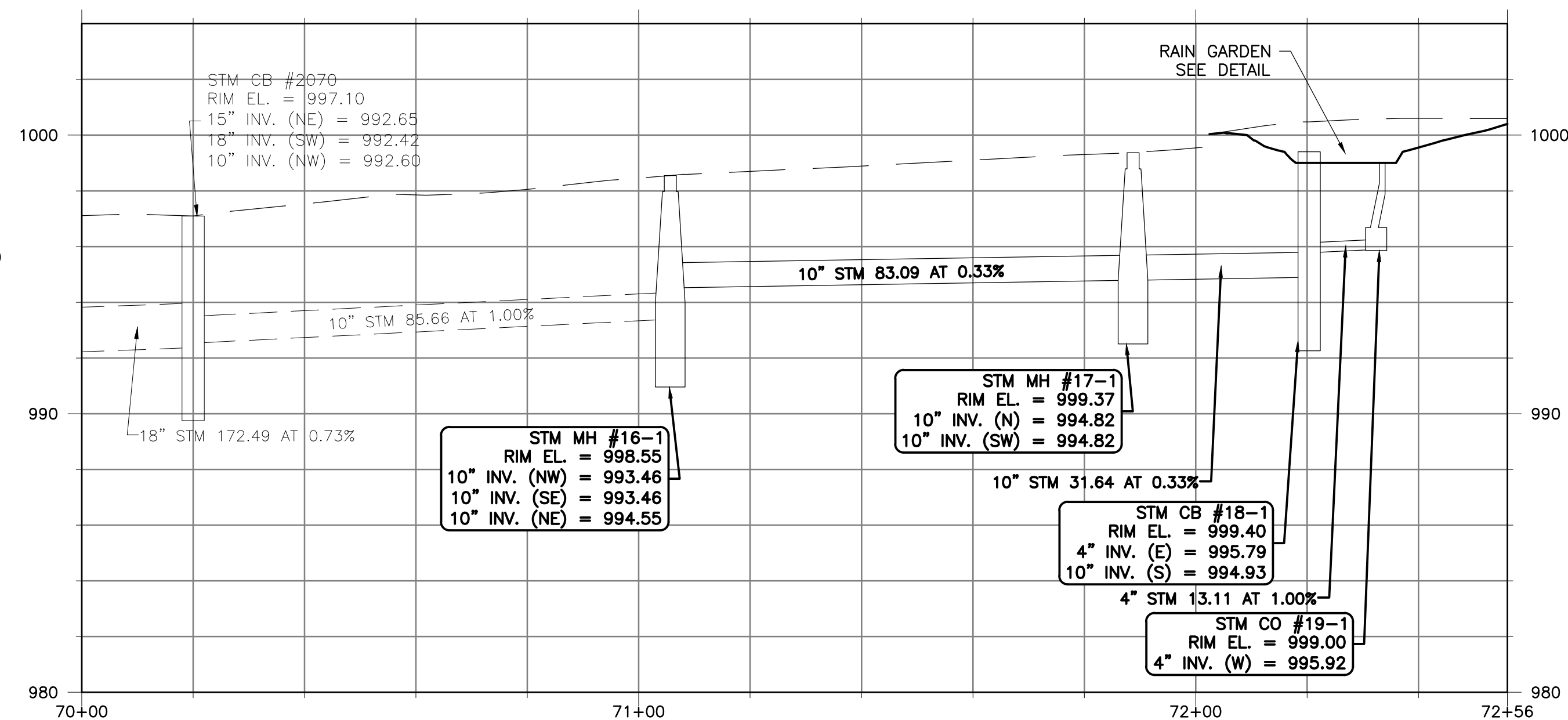


STORM SEWER PROFILE, STA 38+00 TO 41+30
SCALE: H: 1"=20', V: 1"=4'

STORM STRUCTURE TABLE			
STRUCTURE ID	LOCATION	DETAILS	
STM CB #13-1	N=529,044.44 E=2,223,853.87	RIM EL. = 1001.60	
		SUMP EL. = 992.88	
		18" INV (W) = 994.88	
		4" INV (W) = 999.60	
		4" INV (S) = 999.60	
STM CB #14-1	N=529,014.38 E=2,223,992.97	RIM EL. = 1000.44	
		SUMP EL. = 993.59	
		18" INV (W) = 995.59	
		4" INV (NW) = 998.44	
		15" INV (S) = 995.84	
STM CB #18-1	N=528,819.63 E=2,223,825.54	RIM EL. = 999.40	
		SUMP EL. = 992.93	
		4" INV (E) = 995.79	
		10" INV (S) = 994.93	
STM CO #19-1	N=528,824.45 E=2,223,837.73	RIM EL. = 999.00	
		SUMP EL. = 993.92	
STM MH #15-1	N=528,939.58 E=2,223,974.41	4" INV (W) = 995.92	
		RIM EL. = 1001.75	
		SUMP EL. = 994.23	
		10" INV (W) = 997.14	
		15" INV (N) = 996.23	
STM MH #16-1	N=528,750.80 E=2,223,754.18	RIM EL. = 998.55	
		SUMP EL. = 991.46	
		10" INV (NW) = 993.46	
		10" INV (NE) = 994.55	
		10" INV (SE) = 993.46	
STM MH #17-1	N=528,788.13 E=2,223,828.42	RIM EL. = 999.37	
		SUMP EL. = 993.01	
		10" INV (N) = 994.82	
		10" INV (SW) = 994.82	
STORM PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH	SLOPE (%)
STM 13-1	18"	145.30	0.50%
STM 14-1	18"	142.31	0.50%
STM 15-1	15"	77.07	0.50%
STM 17-1	10"	83.09	0.33%
STM 18-1	10"	31.64	0.33%



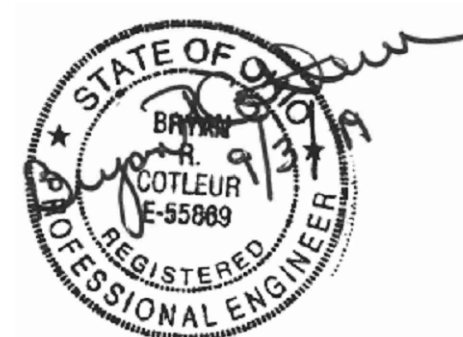
STORM SEWER PLAN, STA 70+00 TO 72+36
SCALE: 1"=20'



STORM SEWER PROFILE, STA 70+00 TO 72+36
SCALE: H: 1"=20', V: 1"=4'



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AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**STORM SEWER PLAN AND PROFILE
STA. 38+00 TO 41+30
PHASE II**

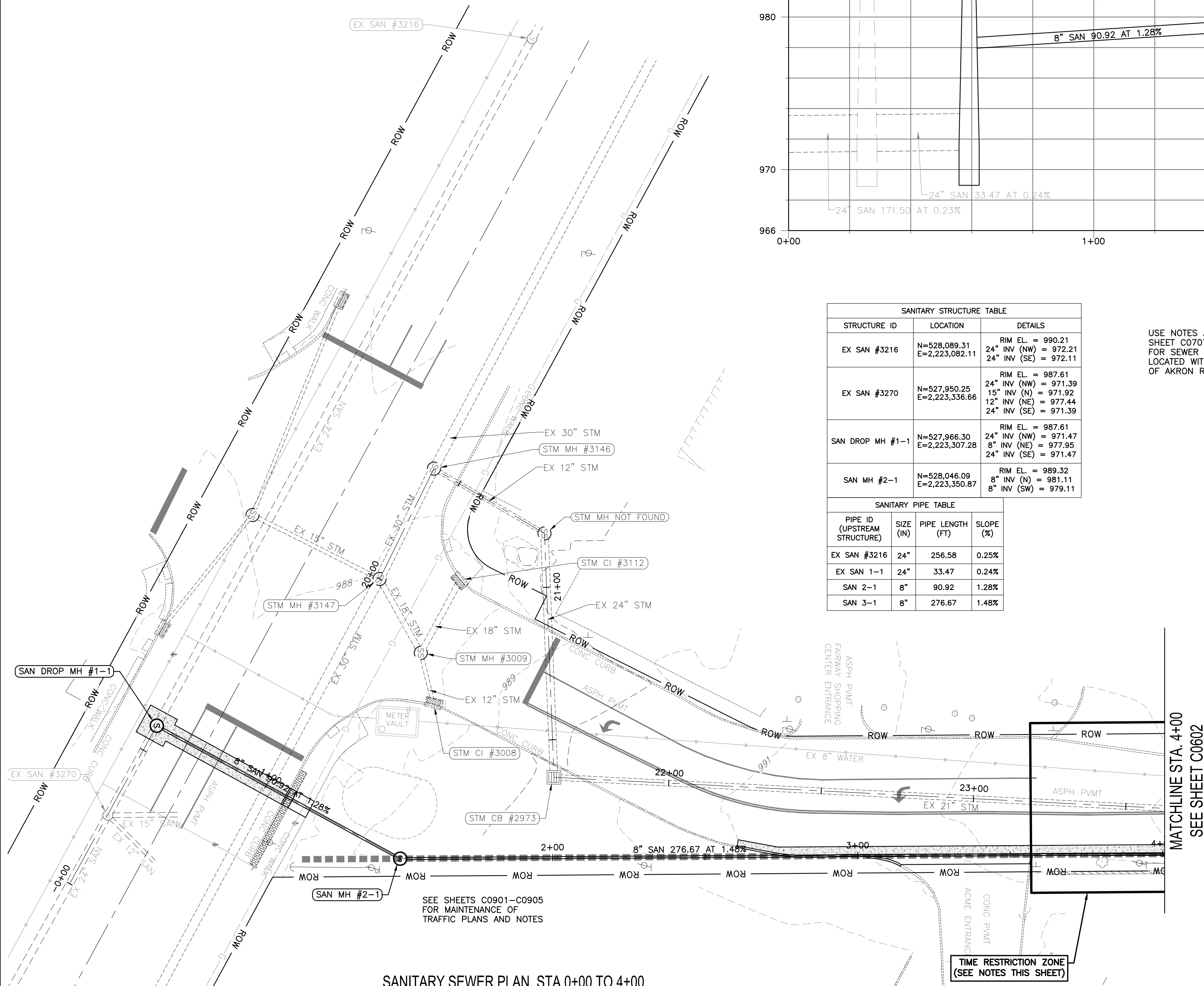
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1922-6003-00		△			



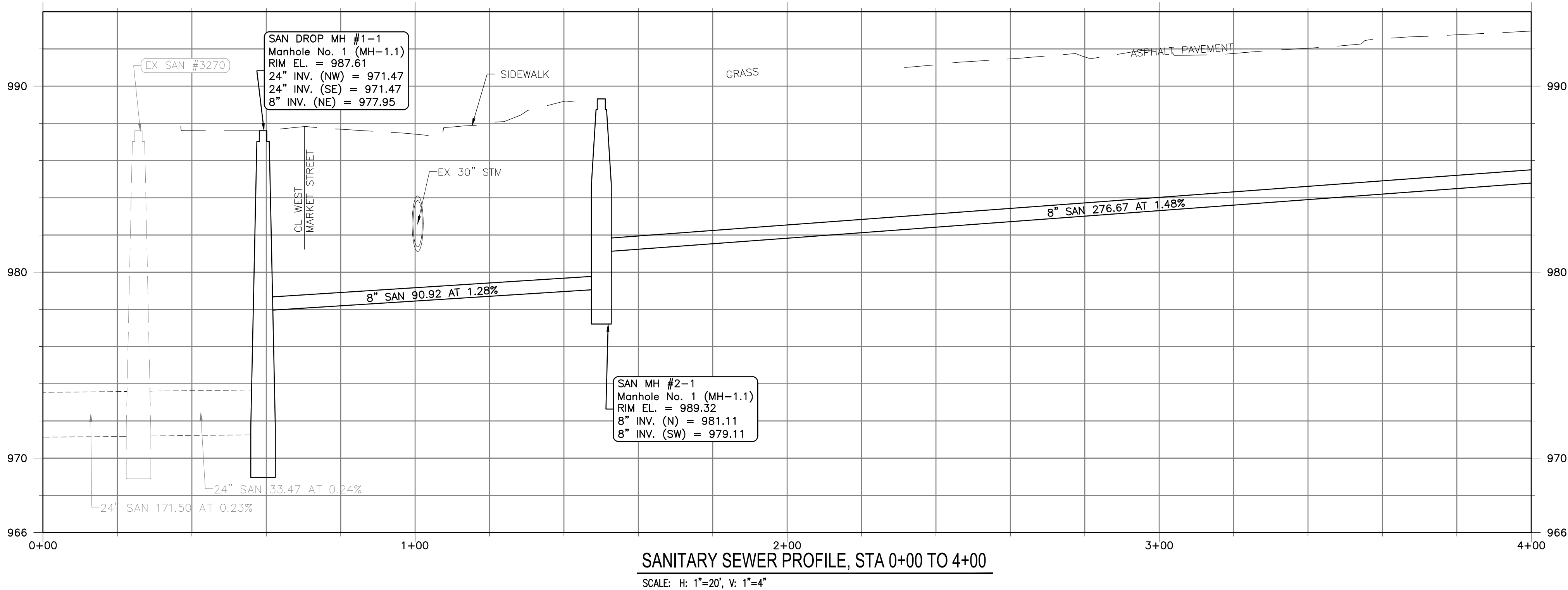
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SHEET 15
OF 45
DRAWING NUMBER
C0507

Date: September 05, 2019, 8:50am
File: X:\Projects\GFL\2019\1922\600300 SCHD Fairway Ctr Site & Sewer\0601.dwg Layout Tab: -



SANITARY SEWER PLAN, STA 0+00 TO 4+00
SCALE: 1"=20'



SANITARY STRUCTURE TABLE		
STRUCTURE ID	LOCATION	DETAILS
EX SAN #3216	N=528,089.31 E=2,223,082.11	RIM EL. = 990.21 24" INV (NW) = 972.21 24" INV (SE) = 972.11
EX SAN #3270	N=527,950.25 E=2,223,336.66	RIM EL. = 987.61 24" INV (NW) = 971.39 15" INV (N) = 971.92 12" INV (NE) = 977.44 24" INV (SE) = 971.39
SAN DROP MH #1-1	N=527,966.30 E=2,223,307.28	RIM EL. = 987.61 24" INV (NW) = 971.47 8" INV (NE) = 977.95 24" INV (SE) = 971.47
SAN MH #2-1	N=528,046.09 E=2,223,350.87	RIM EL. = 989.32 8" INV (N) = 981.11 8" INV (SW) = 979.11

SANITARY PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH (FT)	SLOPE (%)
EX SAN #3216	24"	256.58	0.25%
EX SAN 1-1	24"	33.47	0.24%
SAN 2-1	8"	90.92	1.28%
SAN 3-1	8"	276.67	1.48%

USE NOTES AND DETAILS ON SHEET C0707 AND C0708 FOR SEWER AND PAVEMENTS LOCATED WITHIN THE CITY OF AKRON RIGHT-OF-WAY

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEEK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPP RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.



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AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**SANITARY SEWER PLAN & PROFILE
STA. 0+00 TO 4+00
PHASE II**

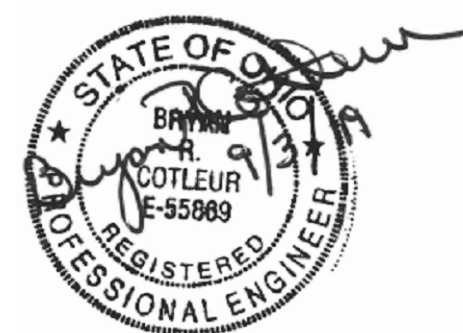
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DLZ OHIO, INC

SHEET 16
OF 45
DRAWING NUMBER
C0601



ISSUED FOR BIDDING:
09/05/2019

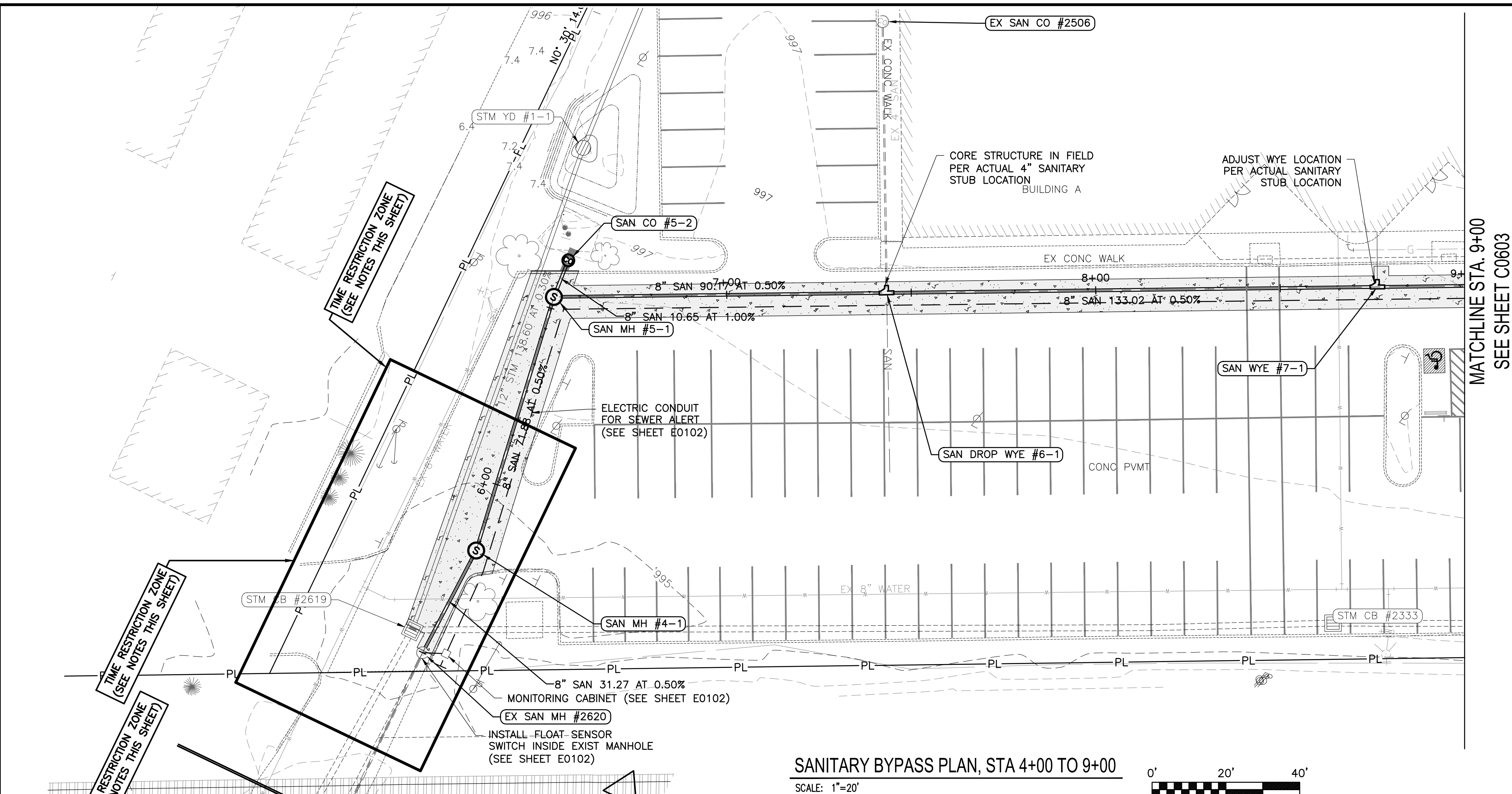


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**SANITARY SEWER PLAN AND PROFILE
STA. 4+00 TO 9+00
PHASED PER PLAN**

DRAWN:	CHK'D.	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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1922-6003-00		△			

DLZ OHIO, INC

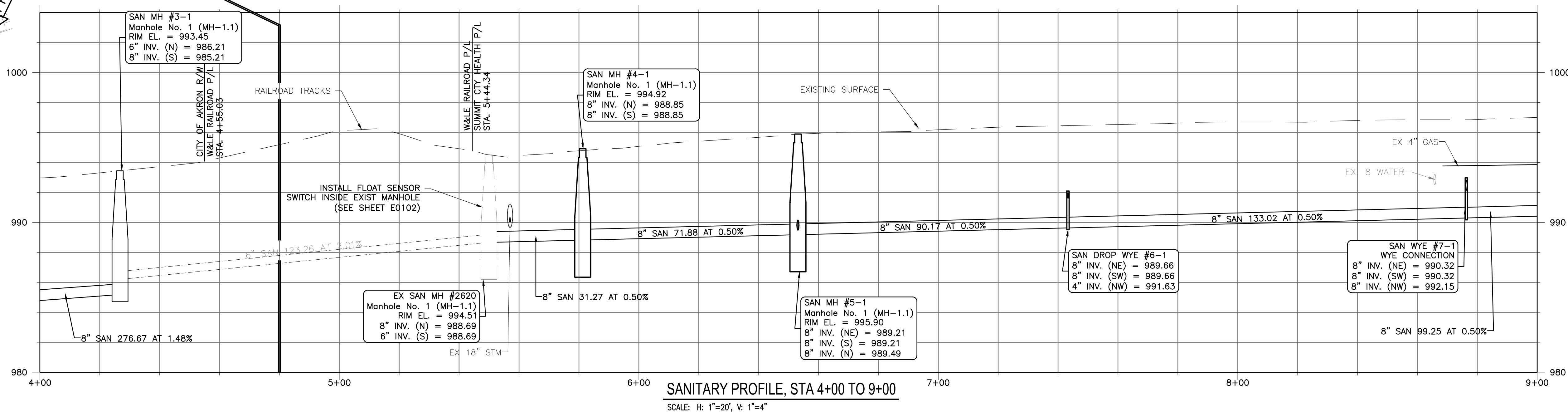
SHEET 17
OF 45
DRAWING NUMBER
C0602



SANITARY STRUCTURE TABLE			
STRUCTURE ID		LOCATION	DETAILS
EX SAN MH #2620		N=528,446.01 E=2,223,348.30	RIM EL. = 994.51 8" INV (N) = 988.69 6" INV (S) = 988.69
SAN CO #5-2		N=528,558.89 E=2,223,337.18	RIM EL. = 996.72 8" INV (S) = 989.59
SAN MH #3-1		N=528,322.76 E=2,223,349.09	RIM EL. = 993.45 6" INV (N) = 986.21 8" INV (S) = 985.21
SAN MH #4-1		N=528,477.27 E=2,223,349.22	RIM EL. = 994.92 8" INV (N) = 988.85 8" INV (S) = 988.85
SAN MH #5-1		N=528,548.27 E=2,223,338.02	RIM EL. = 995.90 8" INV (NE) = 989.21 8" INV (N) = 989.49 8" INV (S) = 989.21
SANITARY WYE TABLE			
STRUCTURE ID		LOCATION	DETAILS
SAN DROP WYE #6-1		N=528,588.78 E=2,223,418.59	8" INV (NE) = 989.66 4" INV (NW) = 991.63 8" INV (SW) = 989.66
SAN WYE #7-1		N=528,648.53 E=2,223,537.43	8" INV (NE) = 990.32 8" INV (NW) = 992.15 8" INV (SW) = 990.32
SANITARY PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH (FT)	SLOPE (%)
SAN 3-1	8"	276.67	1.48%
SAN 4-1	8"	31.27	0.50%
SAN 5-1	8"	71.88	0.50%
SAN 5-2	8"	10.65	1.00%
SAN 6-1	8"	90.17	0.50%
SAN 7-1	8"	133.02	0.50%
SAN 8-1	8"	99.25	0.50%
SAN 2620	6"	123.26	2.01%

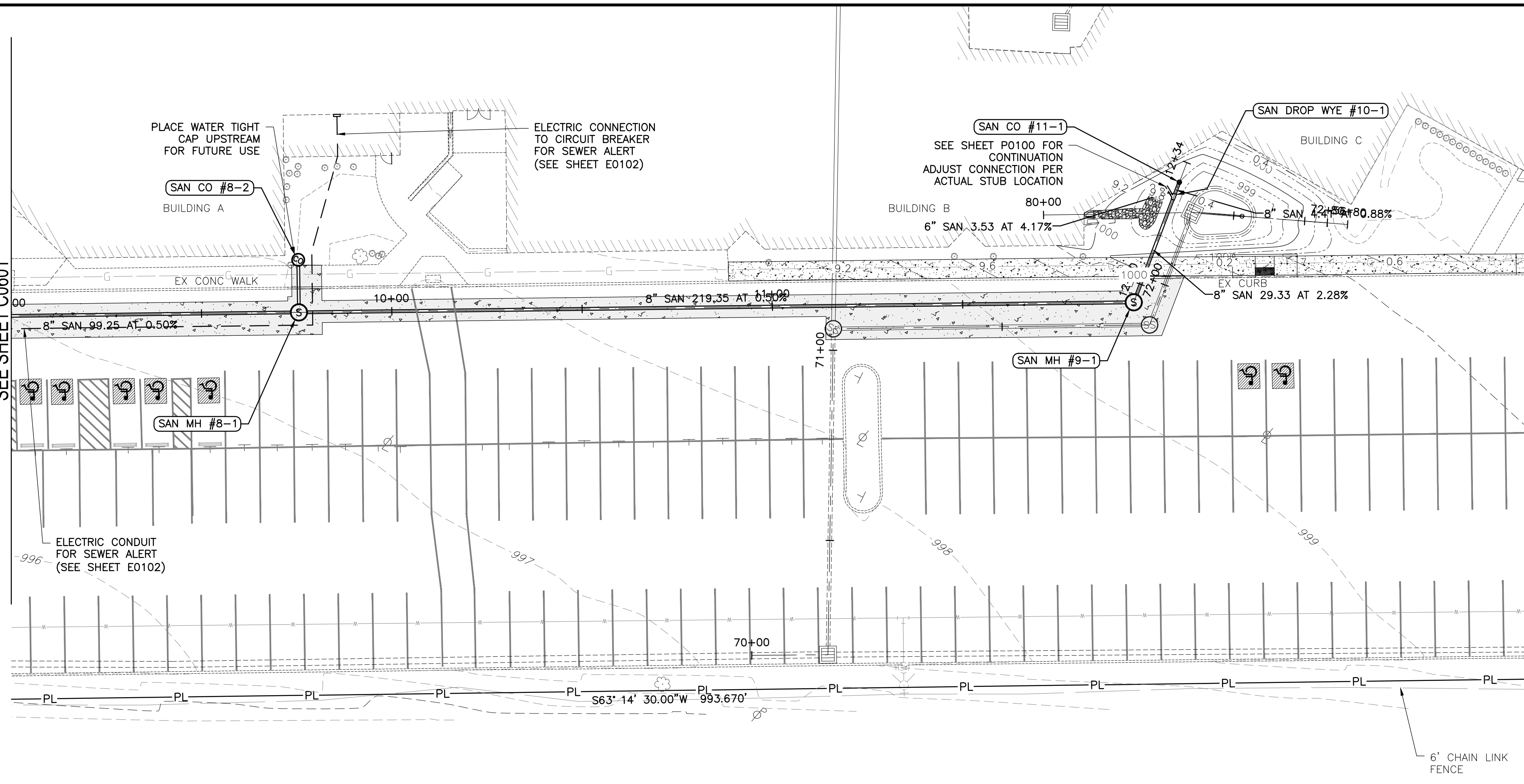
TIME RESTRICTION ZONE:

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Date: September 05, 2019, 8:55am
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MATCHLINE STA. 9+00
SEE SHEET C0601



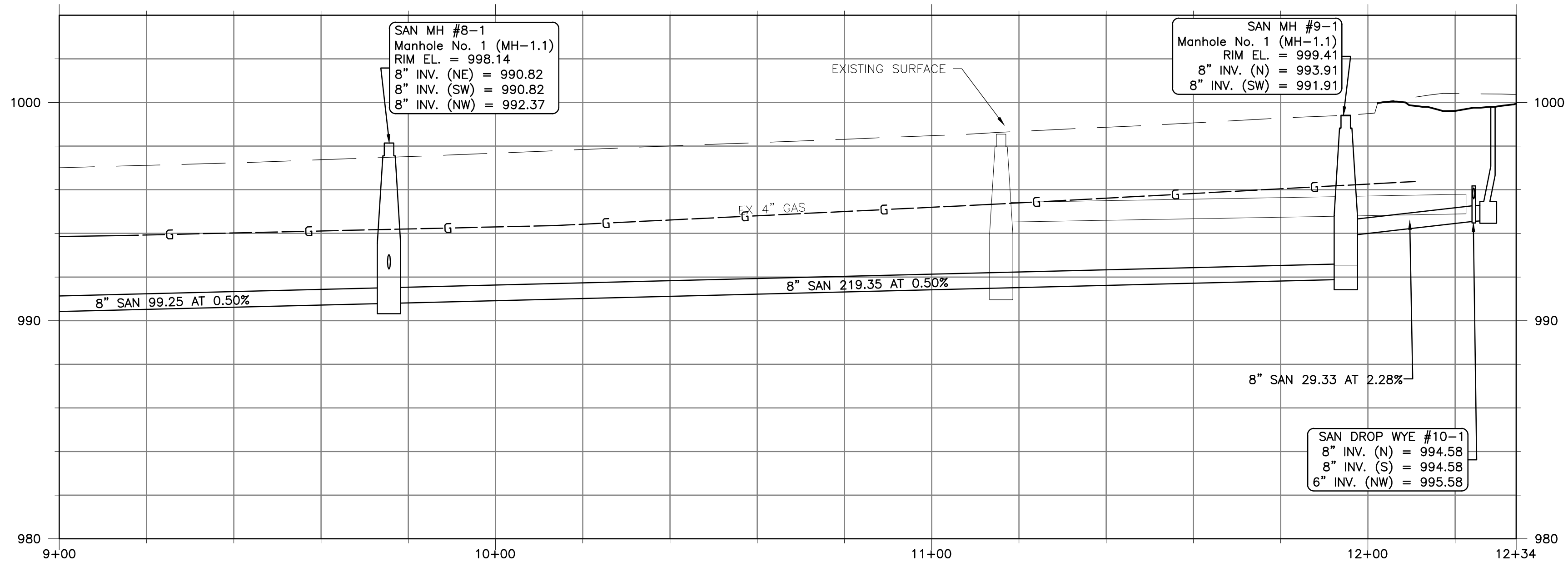
SANITARY STRUCTURE TABLE		
STRUCTURE ID	LOCATION	DETAILS
SAN CO #8-2	N=528,705.45 E=2,223,619.88	RIM EL. = 998.28 8" INV (SE) = 992.50
SAN CO #11-1	N=528,825.25 E=2,223,619.01	RIM EL. = 999.80 8" INV (S) = 994.62
SAN MH #8-1	N=528,693.11 E=2,223,626.10	RIM EL. = 998.14 8" INV (NE) = 990.82 8" INV (NW) = 992.37 8" INV (SW) = 990.82
SAN MH #9-1	N=528,791.65 E=2,223,822.07	RIM EL. = 999.41 8" INV (N) = 993.91 8" INV (SW) = 991.91

SANITARY WYE TABLE		
STRUCTURE ID	LOCATION	DETAILS
SAN DROP WYE #10-1	N=528,820.86 E=2,223,819.41	8" INV (N) = 994.58 8" INV (S) = 994.58 6" INV (NW) = 995.58

SANITARY PIPE TABLE			
PIPE ID (UPSTREAM STRUCTURE)	SIZE (IN)	PIPE LENGTH (FT)	SLOPE (%)
SAN 8-1	8"	99.25	0.50%
SAN 8-2	8"	13.82	1.00%
SAN 9-1	8"	219.35	0.50%
SAN 10-1	8"	29.33	2.28%
SAN 11-1	8"	4.41	0.88%
SAN 11-2	6"	3.53	4.17%

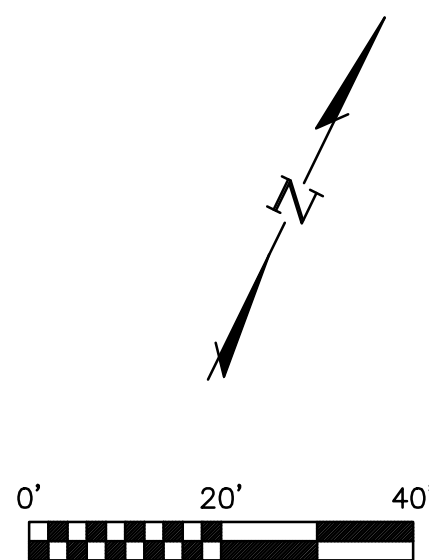
SANITARY BYPASS PLAN, STA 9+00 TO 12+00

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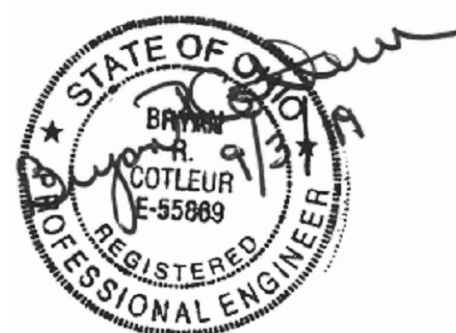


SANITARY BYPASS PROFILE, STA 9+00 TO 12+00

SCALE: H: 1"=20', V: 1"=4'



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09/05/2019



AKRON

**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

OHIO

**SANITARY SEWER PLAN AND PROFILE
STA. 9+00 TO 12+00
PHASE I**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
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1922-6003-00		△			

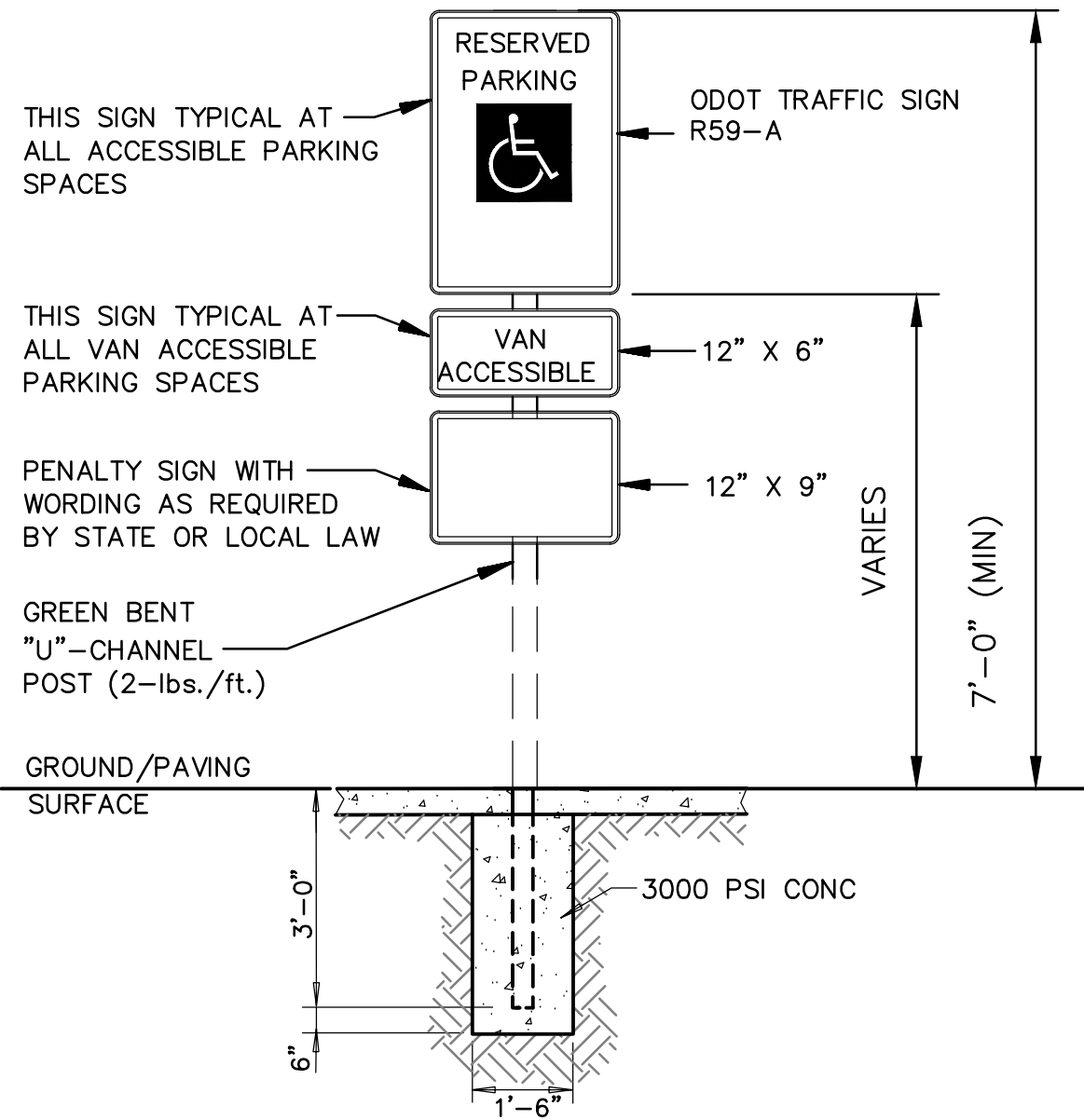
DLZ OHIO, INC

SHEET 18

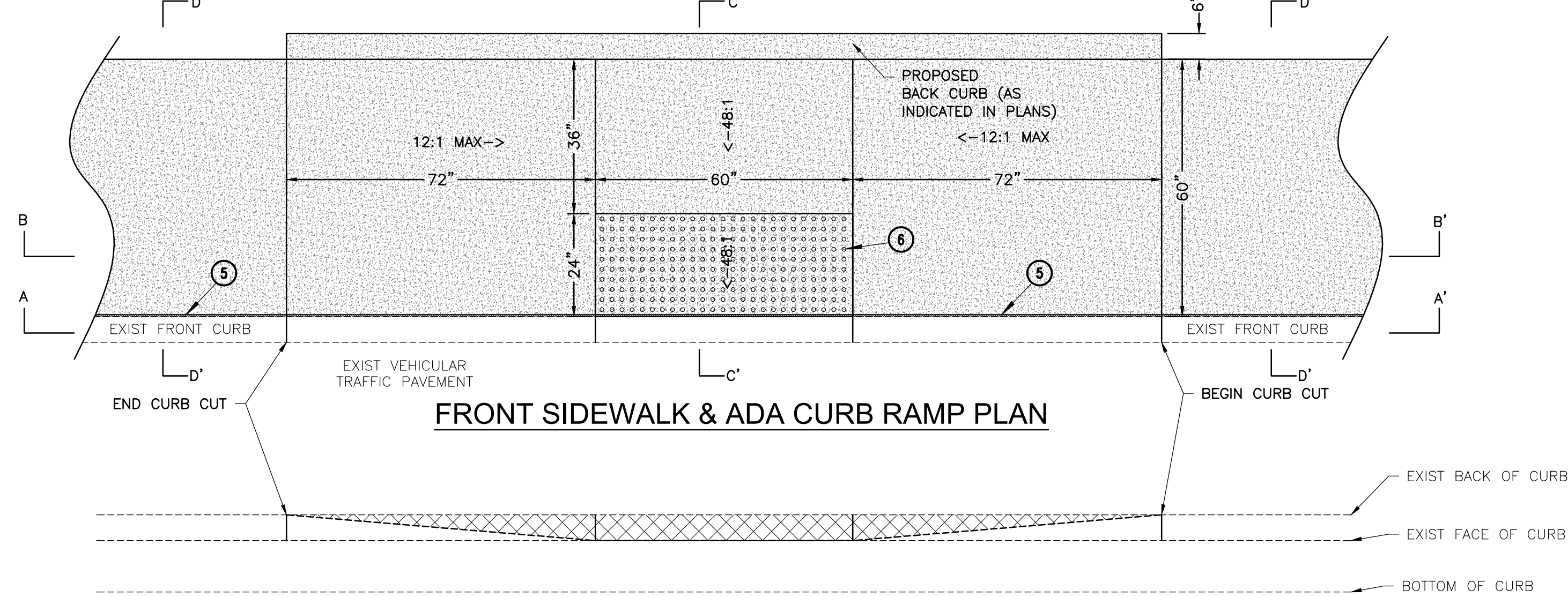
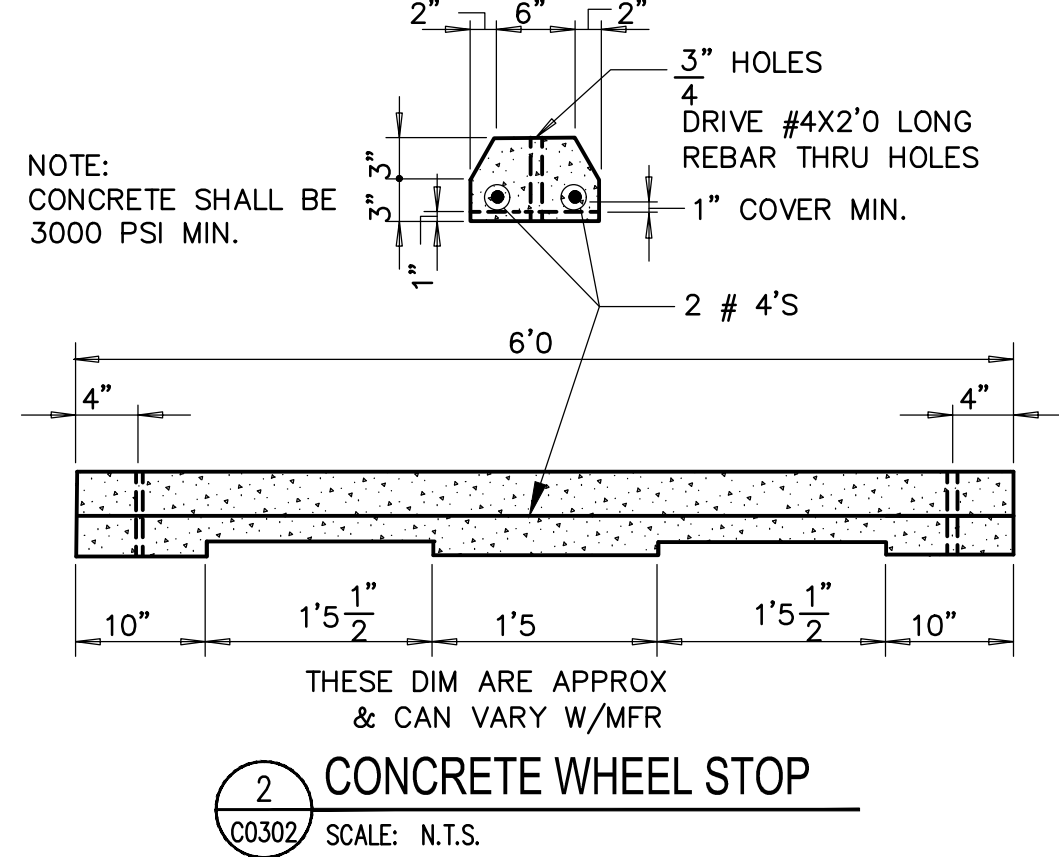
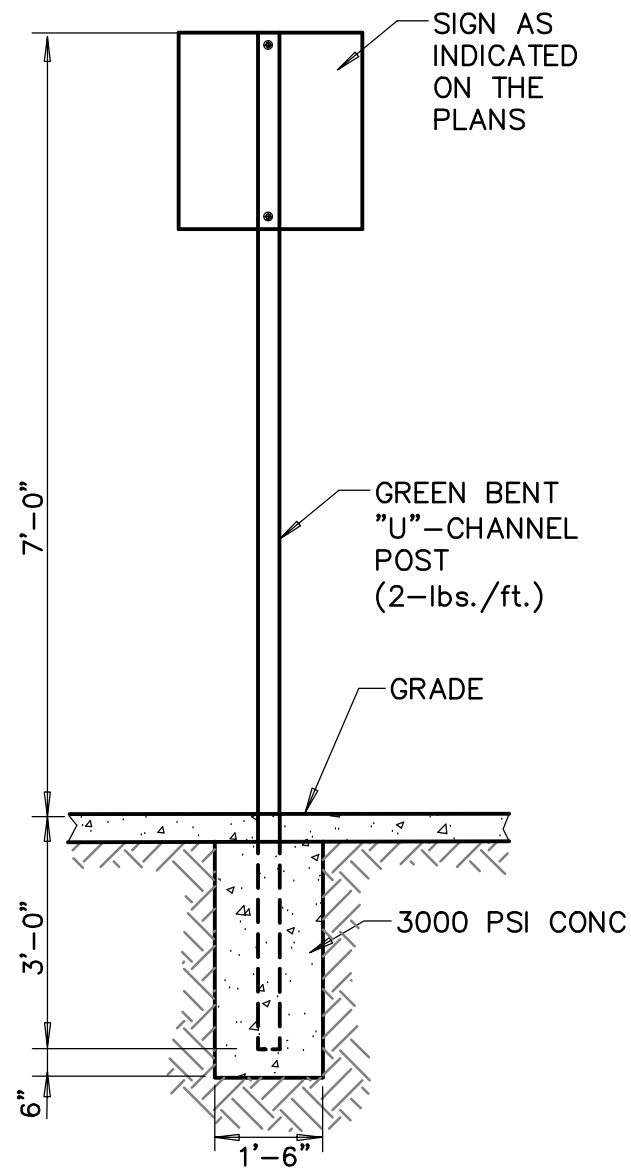
OF 45

DRAWING NUMBER

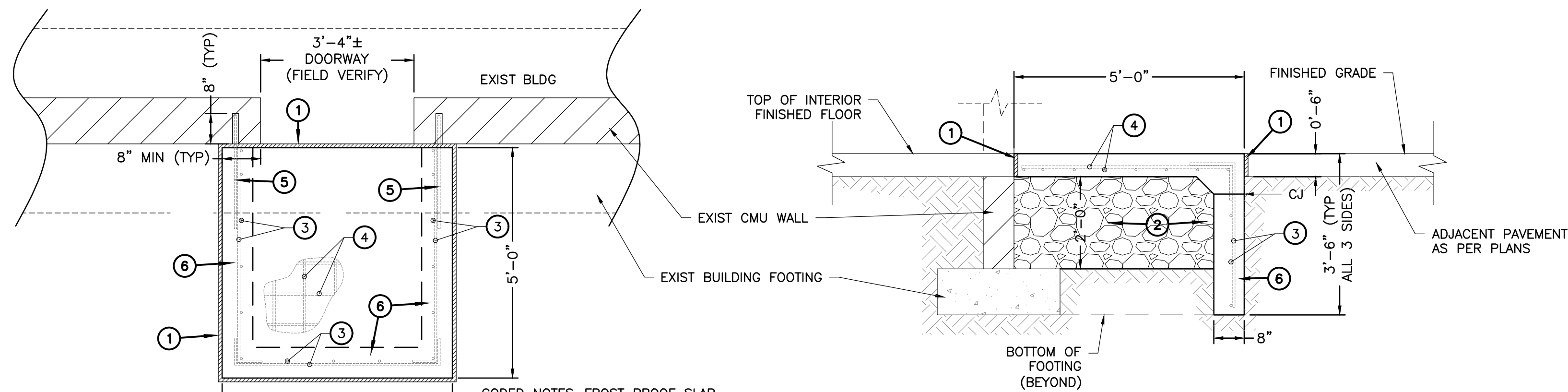
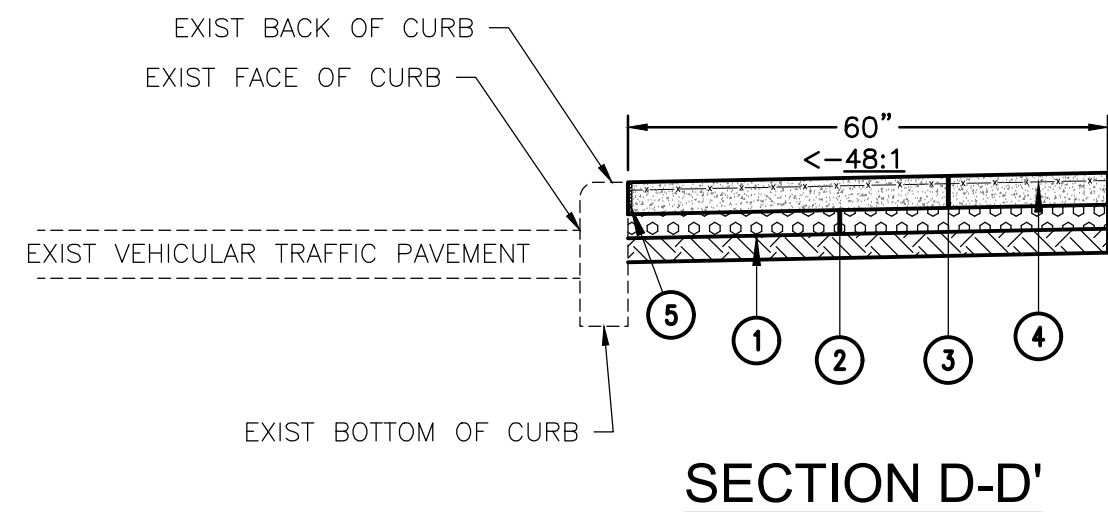
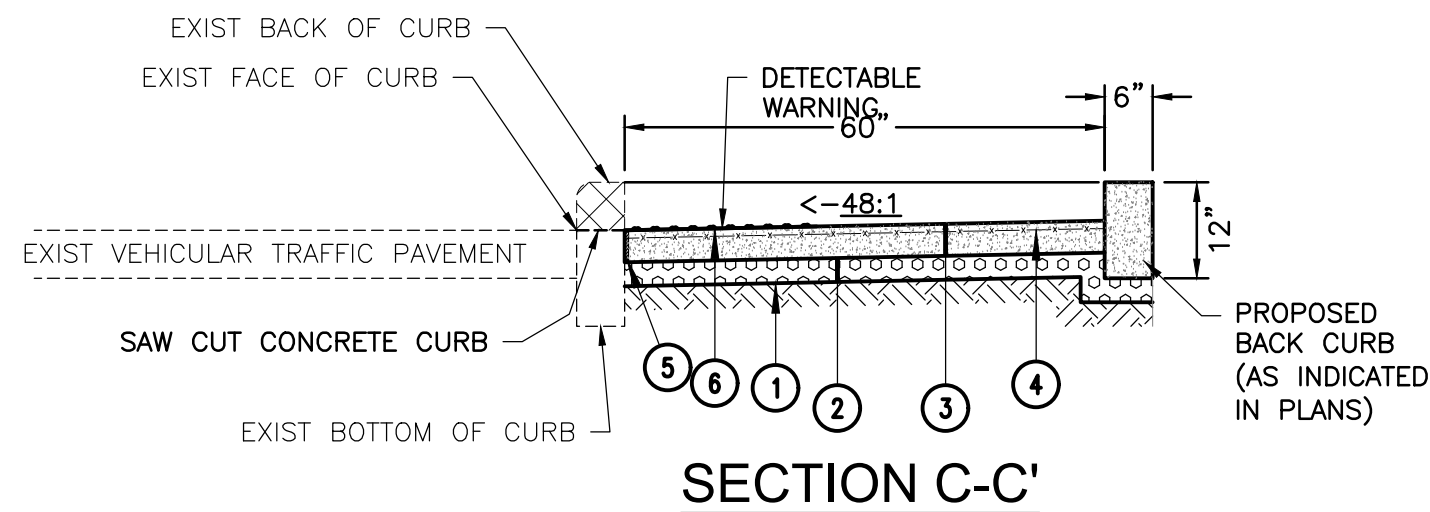
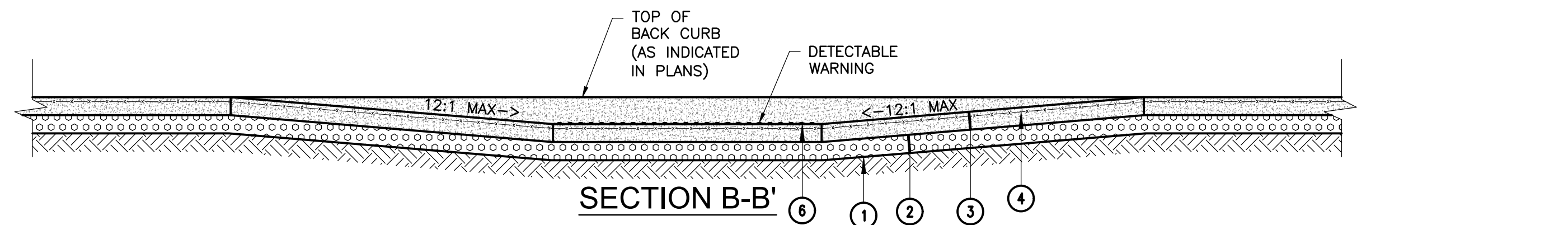
C0603



1 SIGN INSTALLATION DETAIL
SCALE: N.T.S.



CURB DEMOLITION SECTION A-A'



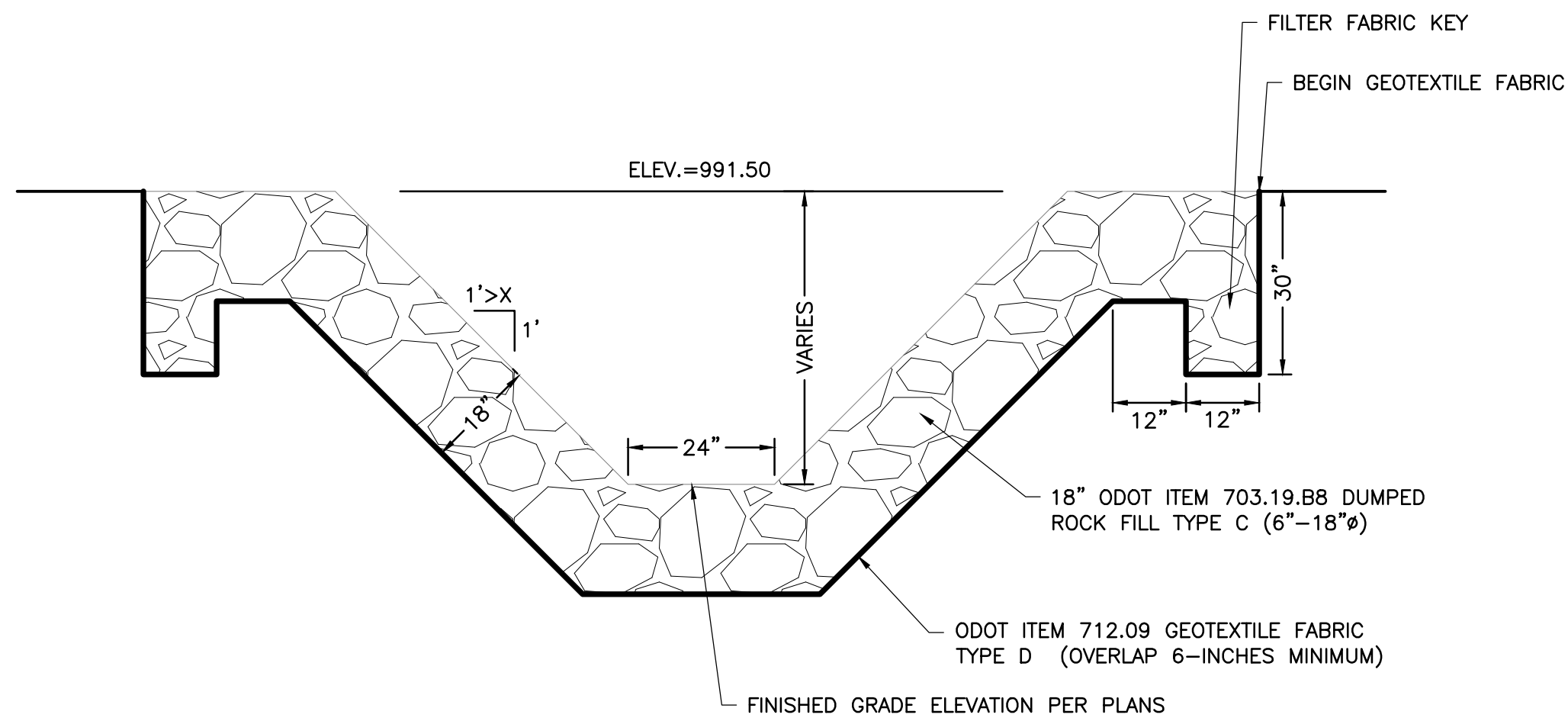
CODING NOTES-FROST PROOF SLAB

- 1 1/2" X 6" WIDE PREFORMED EXPANSION JOINT MATERIAL ALL AROUND
- 2 STONE FILL #5'S OR #8/#9'S
- 3 #5 @ 12" O.C. EACH WAY IN FOOTING. (SEE NOTE #3)
- 4 #5 @ 8" O.C. EACH WAY IN SLAB
- 5 3-#5x30" LONG @ 12" HORIZ. DOWELS WITH ADHESIVE. ADHESIVE SHALL BE HILTI HIT HY-70 OR APPROVED EQUAL.
- 6 8" WALL FOOTING TYPICAL AT 3 SIDES

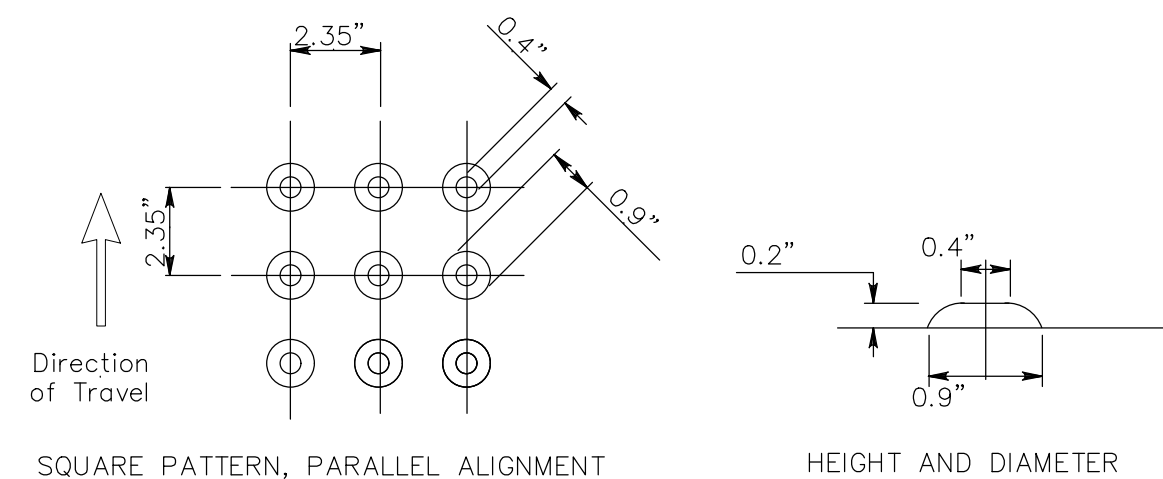
3 FROST PROOF SLAB
SCALE: 1/2"=1'

SECTION

- NOTES:
- CONCRETE FOR THE FROST PROOF SLAB SHALL COMPLY WITH THE REQUIREMENTS OF ODOT CMS ITEM 511. CONCRETE SHALL BE CLASS QC-1 OR QC-2 WITH MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 - STEEL REINFORCEMENT SHALL BE GRADE 60 AND SHALL COMPLY WITH THE REQUIREMENTS OF ODOT CMS ITEM 509.
 - HORIZONTAL REINFORCEMENT TERMINATING AT WALL CORNER AND VERTICAL REINFORCEMENT TERMINATING AT SLAB SHALL BE FABRICATED WITH 90° HOOKS.



TRUNCATED DOMES DETAILS



CURB RAMP NOTES

DETECTABLE WARNINGS: INSTALL TRUNCATED DOMES ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN ON SHEET 3. INSTALL THESE PROPRIETARY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

DRAINAGE: CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP SLOPES. VERTICAL CHANGE IN LEVEL EXCEEDING 1/8" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.

SURFACE TEXTURE: TEXTURE OF CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES AND IS TO BE ROUGHER THAN THE ADJACENT WALK.

JOINTS: PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A 1" ITEM 705.03 EXPANSION JOINT FILLER AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT LINES.

5 FRONT SIDEWALK AND CURB RAMP
SCALE: 1"=2'

DETECTABLE WARNINGS NOTES

ALIGNMENT: TRUNCATED DOMES ARE TO BE INSTALLED AT ANY LOCATION WHERE PEDESTRIANS MIGHT CROSS PATHS WITH VEHICULAR TRAFFIC LANES, SUCH AS THE BASE OF CURB RAMPS OR AT BLENDED CURBS. A 24" STRIP OF DOMES IS TO BE INSTALLED FOR THE FULL WIDTH OF THE RAMP.

ALIGNMENT: TRUNCATED DOMES SHOULD BE ALIGNED WITH THE PRIMARY DIRECTION OF PEDESTRIAN TRAVEL AS SHOWN ON THE DOME ALIGNMENT DETAIL. NORMALLY THE DOMES SHOULD BE FLUSH WITH THE BACK OF THE CURB.

PRODUCTS: TRUNCATED PANELS SHALL BE COLOR SAFETY RED TUFTILE HIGH IMPACT POLYMER TILES OR ENGINEER APPROVED EQUAL. (HTTP://WWW.TUFTILE.COM/INDEX.PHP/PRODUCTS/POLYMER-TILES) INSTALL PRODUCTS AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.

CODING NOTES: FRONT SIDEWALK AND CURB RAMP

- 1 ODOT ITEM 204-SUBGRADE COMPACTION & PROOF ROLL
- 2 4" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
- 3 4" ODOT ITEM 608-REINFORCED CONCRETE PAVEMENT USING CLASS QC-1 MIX DESIGN PER TABLE 499.03-1 (WITH LIMESTONE AGGREGATE ONLY)
- 4 6X6-W1.4XW1.4 WELDED WIRE FABRIC
- 5 1/2" PREMOLDED JT FILLER AND SEALANT (WHERE ADJACENT TO STRUCTURES)
- 6 24" X 60" DETECTABLE WARNING SURFACE (SEE NOTES)
- NOTES:
- CROSS SLOPES FOR WALKS AS PER GRADING PLAN.
 - INSTALL CONTRACTION JOINTS 5' ON CENTER.
 - INSTALL EXPANSION JOINTS 30' ON CENTER.
 - BROOM FINISH PERPENDICULAR TO TRAFFIC FLOW. TROWEL FINISH EDGES.



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

SITE DETAILS

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	▲			
DATE: SEPTEMBER 2019		▲			
HORIZ. SCALE: AS SHOWN		▲			
VERT. SCALE: AS SHOWN		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			

DLZ OHIO, INC

SHEET 19

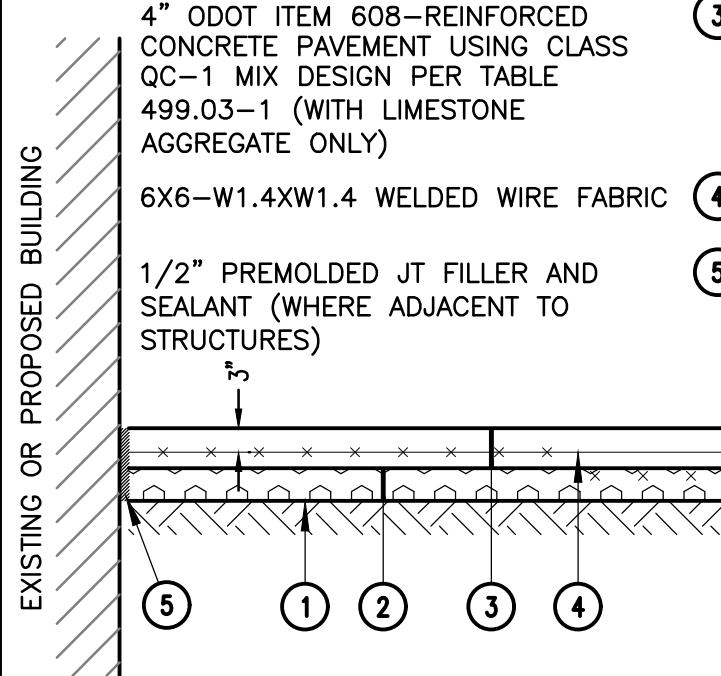
OF 45

DRAWING NUMBER

C0701

- LEGEND:**
- ODOT ITEM 204-SUBGRADE COMPACTION & PROOF ROLL
 - 4" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
 - 4" ODOT ITEM 608-REINFORCED CONCRETE PAVEMENT USING CLASS QC-1 MIX DESIGN PER TABLE 499.03-1 (WITH LIMESTONE AGGREGATE ONLY)
 - 6X6-W1.4XW1.4 WELDED WIRE FABRIC
 - 1/2" PREMOLDED JT FILLER AND SEALANT (WHERE ADJACENT TO STRUCTURES)

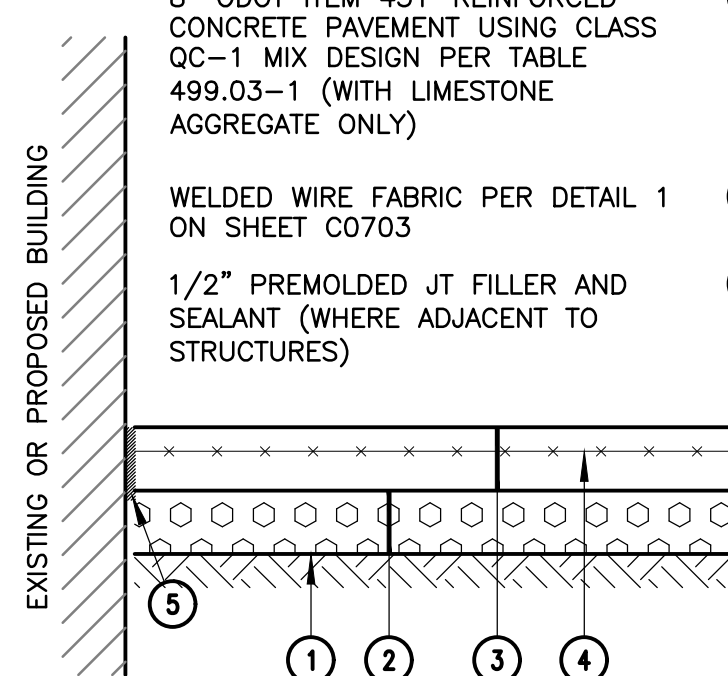
- NOTES:**
- CROSS SLOPES FOR WALKS AS PER GRADING PLAN.
 - INSTALL CONTRACTION JOINTS 5' ON CENTER.
 - INSTALL EXPANSION JOINTS 30' ON CENTER.
 - BROOM FINISH PERPENDICULAR TO TRAFFIC FLOW. TROWEL FINISH EDGES.



1 5" CONCRETE SIDEWALK
C0302 SCALE: AS SHOWN

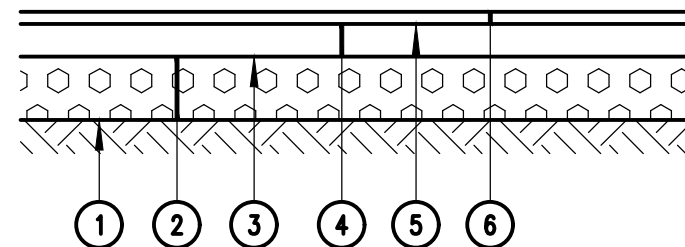
- LEGEND:**
- ODOT ITEM 204-SUBGRADE COMPACTION & PROOF ROLL
 - 8" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
 - 8" ODOT ITEM 451-REINFORCED CONCRETE PAVEMENT USING CLASS QC-1 MIX DESIGN PER TABLE 499.03-1 (WITH LIMESTONE AGGREGATE ONLY)
 - WELDED WIRE FABRIC PER DETAIL 1 ON SHEET C0703
 - 1/2" PREMOLDED JT FILLER AND SEALANT (WHERE ADJACENT TO STRUCTURES)

- LAY OUT ALL PAVEMENT JOINTS FOR 8" HEAVY DUTY CONCRETE PAVEMENT AS PER SITE PLAN AND CONSTRUCT IN ACCORDANCE WITH ODOT DETAILS SHOWN ON SHEET C0703.



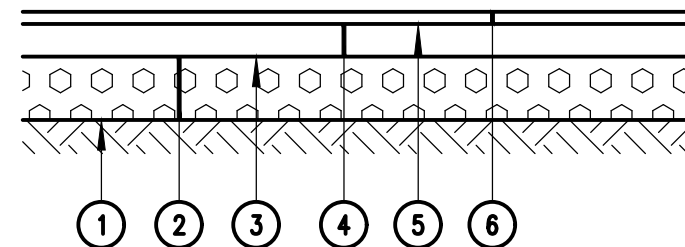
2 8" HEAVY DUTY CONCRETE PAVEMENT
C0302 SCALE: AS SHOWN

- LEGEND:**
- ODOT ITEM 404-SUBGRADE COMPACTION & PROOF ROLL
 - 8" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
 - ODOT ITEM 408-PRIME COAT
 - 4" ODOT ITEM 448, TYPE-2 INTERMEDIATE COURSE (LIMESTONE AGGREGATE ONLY)
 - ODOT ITEM 407-TACK COAT
 - 1 1/2" ODOT ITEM 448, TYPE-1 SURFACE COURSE (LIMESTONE AGGREGATE ONLY)

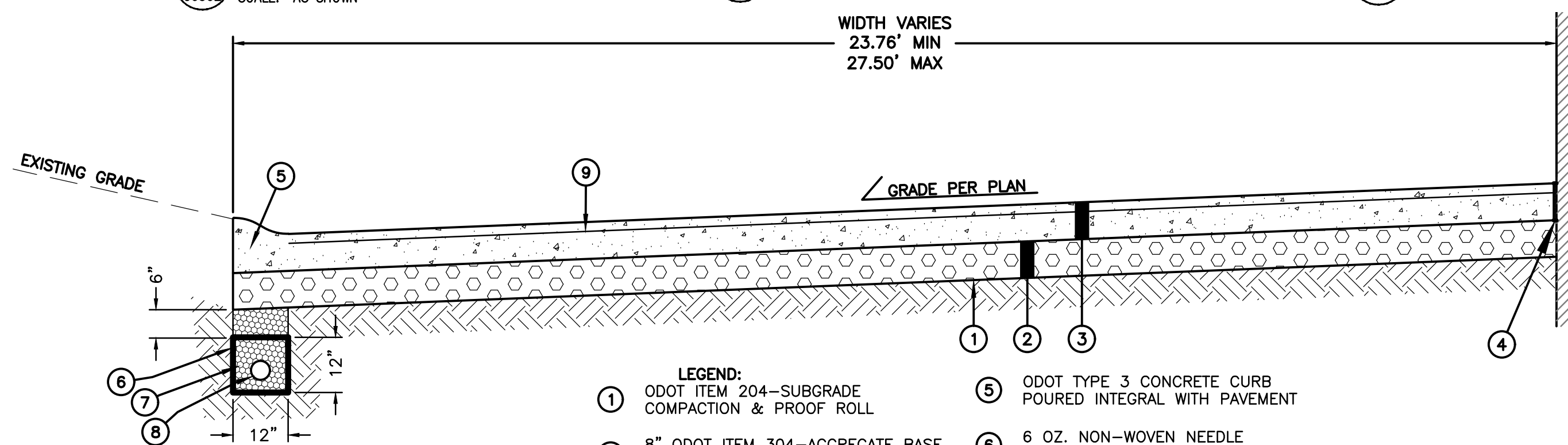


3 HEAVY DUTY ASPHALT PAVEMENT
C0302 SCALE: AS SHOWN

- LEGEND:**
- ODOT ITEM 404-SUBGRADE COMPACTION & PROOF ROLL
 - 6" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
 - ODOT ITEM 408-PRIME COAT
 - 2 1/2" ODOT ITEM 448, TYPE-2 INTERMEDIATE COURSE (LIMESTONE AGGREGATE ONLY)
 - ODOT ITEM 407-TACK COAT
 - 1 1/2" ODOT ITEM 448, TYPE-1 SURFACE COURSE (LIMESTONE AGGREGATE ONLY)

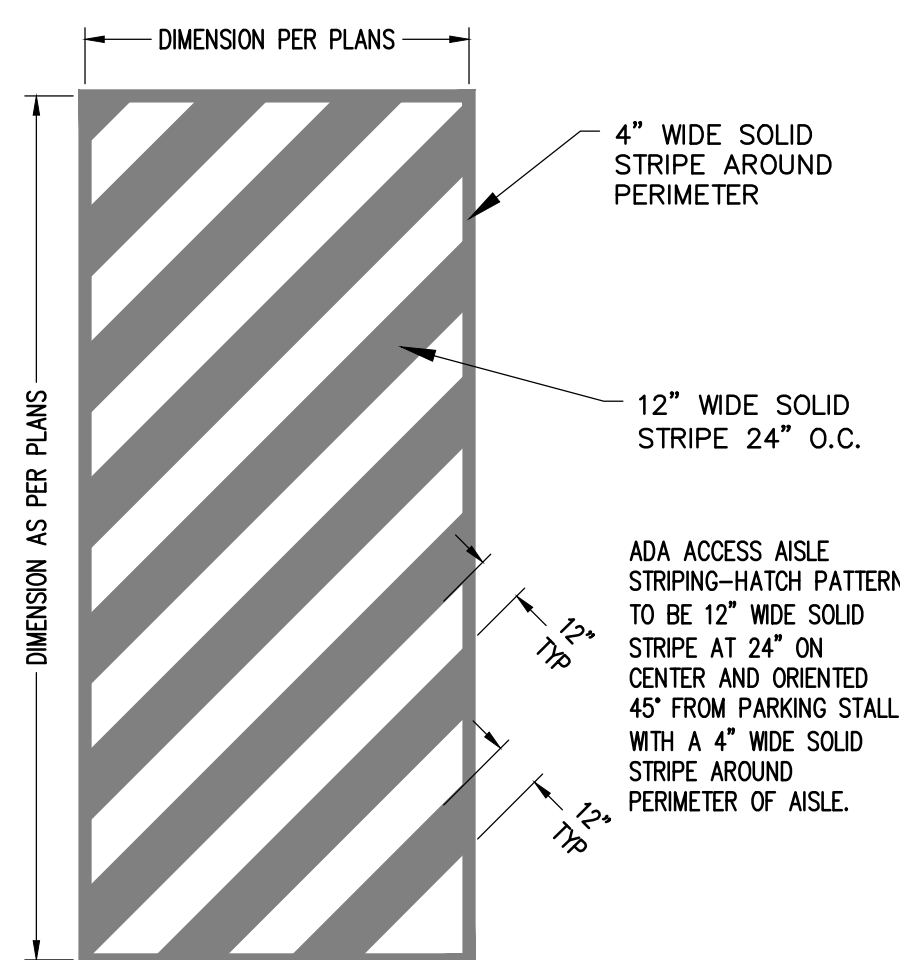


4 REGULAR DUTY ASPHALT PAVEMENT
C0302 SCALE: AS SHOWN



- LEGEND:**
- ODOT ITEM 204-SUBGRADE COMPACTION & PROOF ROLL
 - 8" ODOT ITEM 304-AGGREGATE BASE (LIMESTONE ONLY)
 - 8" ODOT ITEM 608-REINFORCED CONCRETE PAVEMENT (WITH LIMESTONE AGGREGATE ONLY)
 - 1/2" PREMOLDED JT FILLER AND SEALANT
 - ODOT TYPE 3 CONCRETE CURB POURED INTEGRAL WITH PAVEMENT
 - 6 OZ. NON-WOVEN NEEDLE PUNCHED GEOTEXTILE FABRIC
 - NO. 8 WASHED STONE BACKFILL
 - 4" PERFORATED PVC SLOTTED SIDE DOWN.
 - WELDED WIRE FABRIC PER DETAIL 1 ON SHEET C0703

5 CONCRETE DRIVEWAY REPLACEMENT
C0302 SCALE: AS SHOWN

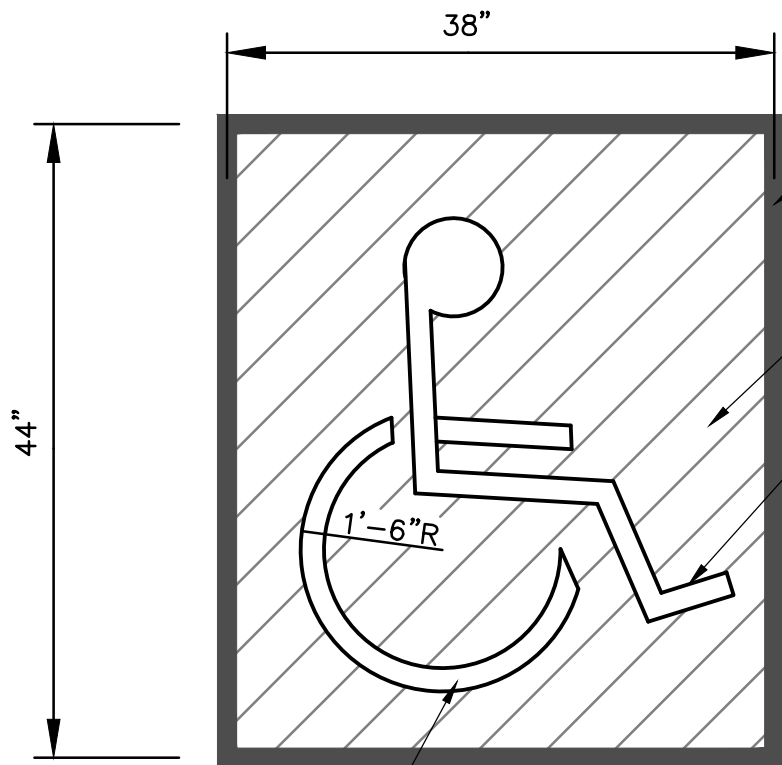


ALL PAVEMENT MARKING PAINT SHALL BE ODOT ITEM 642 TYPE 1 WITH TYPE A GLASS BEADS.

PAINT COLOR:
USE YELLOW PAINT FOR ALL STRIPING WHEN IN EMPLOYEE PARKING AREAS.

USE WHITE PAINT FOR ALL STRIPING WHEN IN PATIENT PARKING AREAS.

8 ADA ACCESS AISLE STRIPING (PM-5) PM-5
C0302 SCALE: AS SHOWN



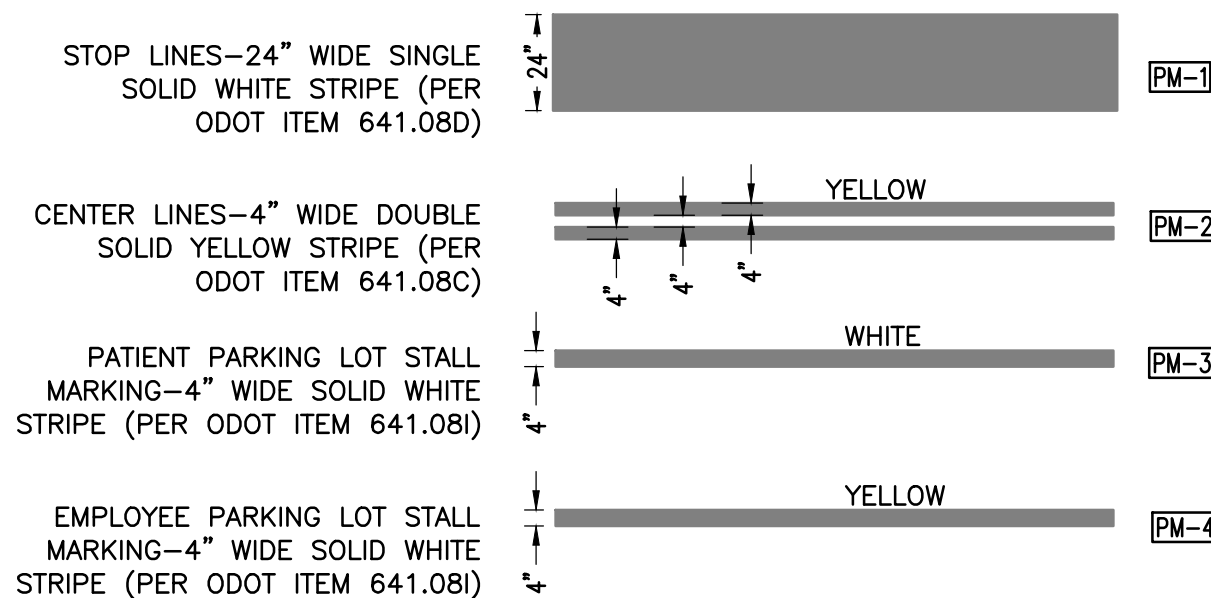
- NOTES:**
- SYMBOL TO MEET CURRENT ADA GUIDELINES.
 - PAINT AT ENTRANCE OF EACH HANDICAPPED PARKING SPACE AS SHOWN ON THE PLAN SHEET C0301.

ALL PAVEMENT MARKING PAINT SHALL BE ODOT ITEM 642 TYPE 1 WITH TYPE A GLASS BEADS.

PAINT COLOR:
USE YELLOW PAINT FOR ALL STRIPING WHEN IN EMPLOYEE PARKING AREAS.

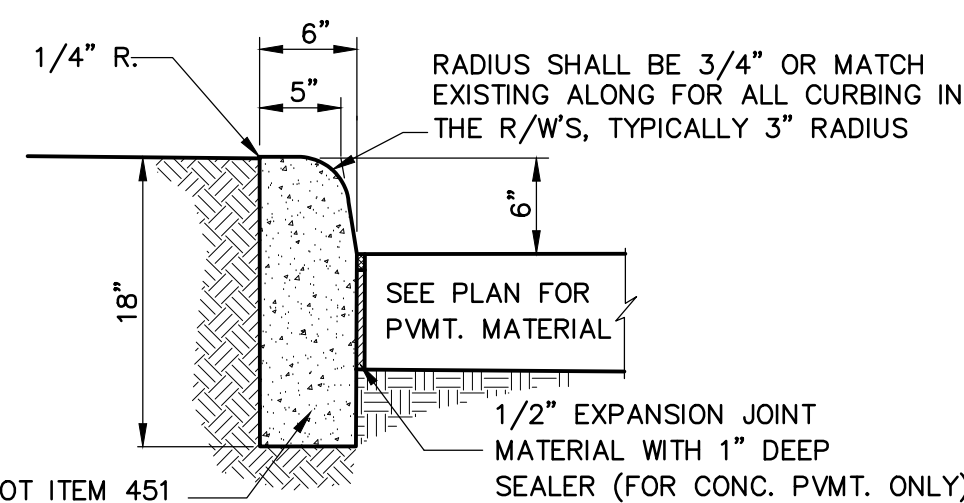
USE WHITE PAINT FOR ALL STRIPING WHEN IN PATIENT PARKING AREAS.

9 HANDICAP PARKING STALL PAVEMENT MARKING (PM-6) PM-6
C0302 SCALE: AS SHOWN

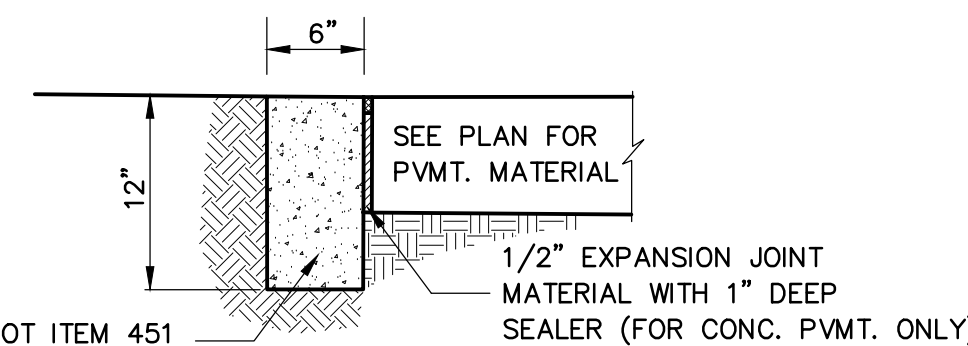


ALL PAVEMENT MARKING PAINT SHALL BE ODOT ITEM 642 TYPE 1 WITH TYPE A GLASS BEADS.

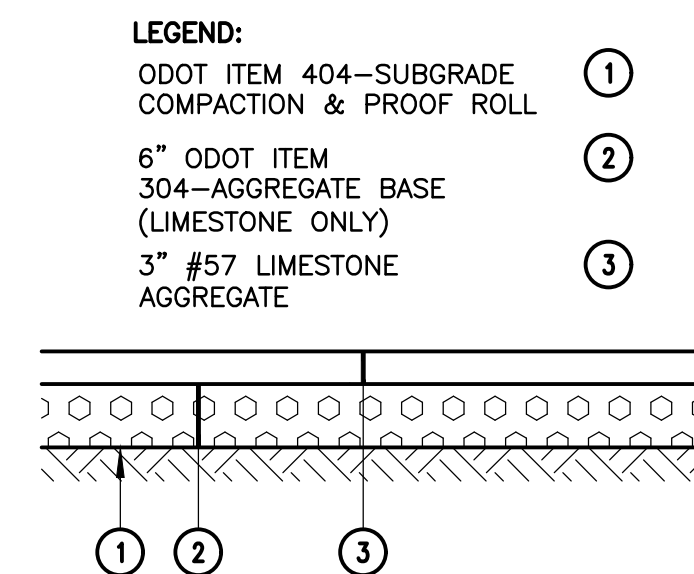
10 PAVEMENT MARKING DETAIL
C0302 SCALE: AS SHOWN



6 6" REVEAL CONCRETE CURB
C0302 SCALE: N.T.S.



7 0" REVEAL CONCRETE CURB
C0302 SCALE: N.T.S.



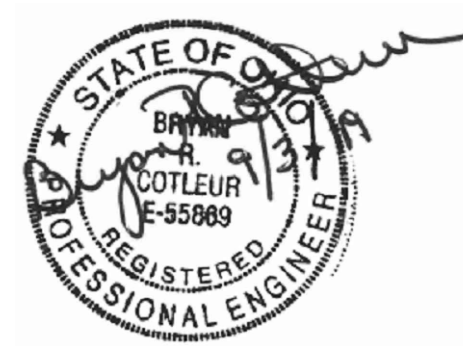
11 GRAVEL PAVEMENT
L0101 C0302 SCALE: AS SHOWN

NOT USED

12 CUT DOWN CURB
C0403 SCALE: AS SHOWN



ISSUED FOR BIDDING:
09/05/2019

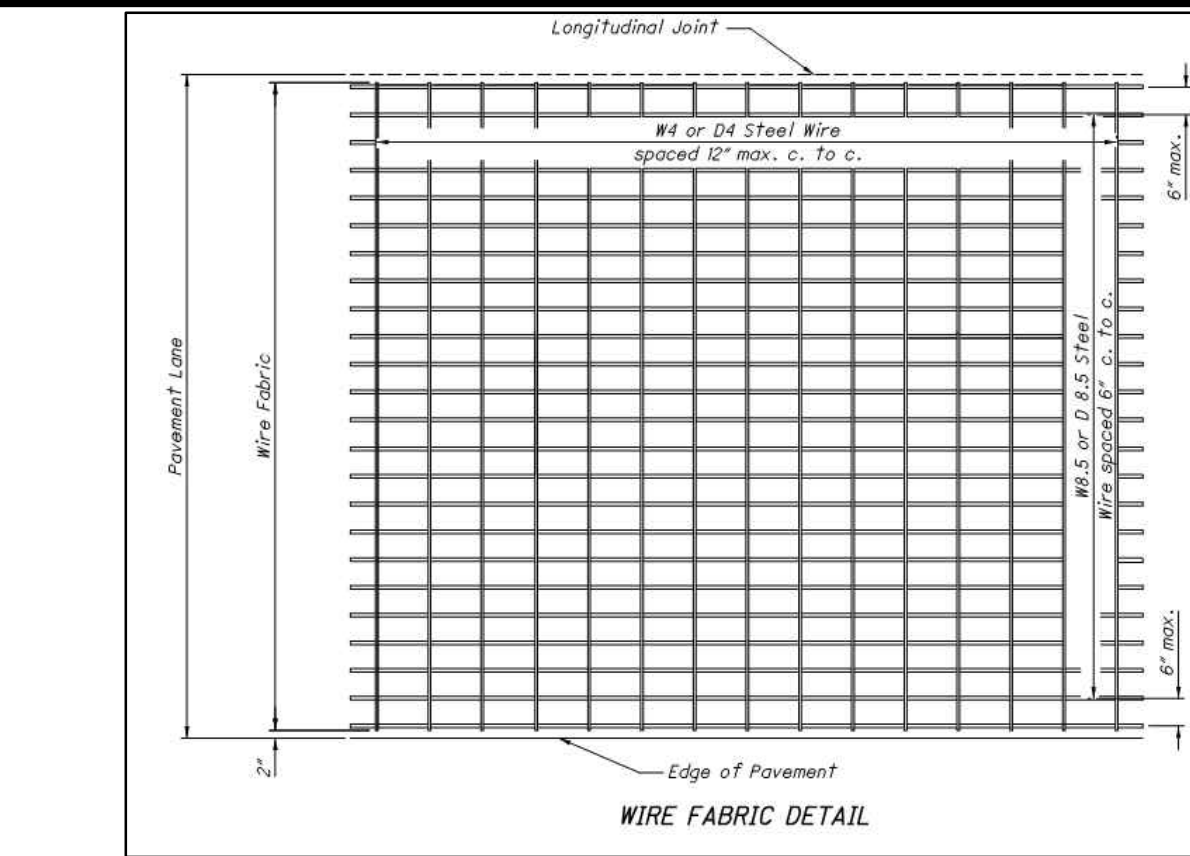


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
PAVEMENT DETAILS

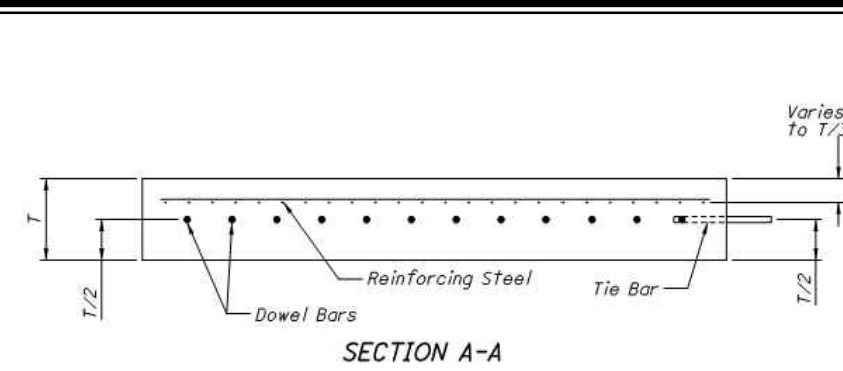
DRAWN:	CHK'D.	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS				
DATE: SEPTEMBER 2019					
HORIZ. SCALE: AS SHOWN					
VERT. SCALE: AS SHOWN					
PROJECT NUMBER					
1922-6003-00					

DLZ OHIO, INC

SHEET 20
OF 45
DRAWING NUMBER
C0702

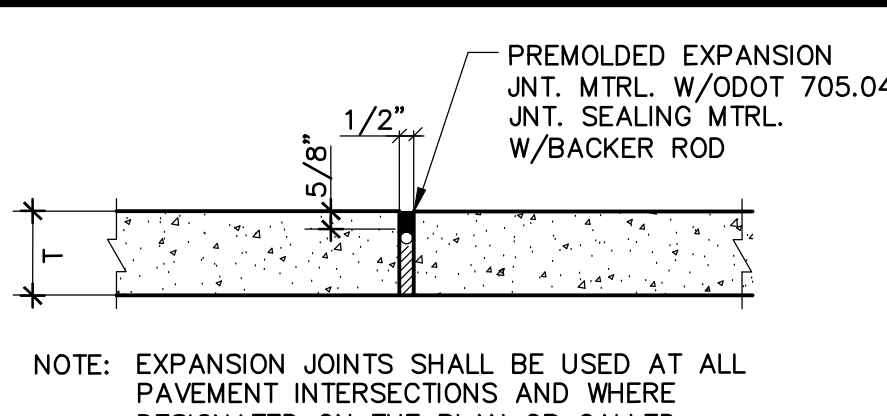


1 ODOT WIRE MESH DETAIL
C306 SCALE: AS SHOWN



NOTES

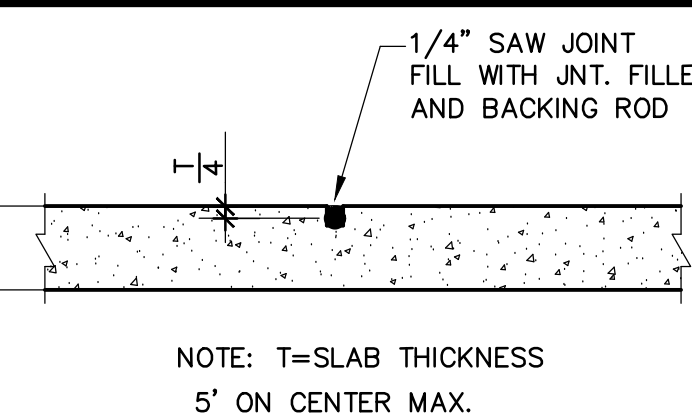
STEEL REINFORCING: In normal or wider lane widths, reinforcing may consist of two girts with an approved longitudinal hinge. The hinge shall consist of #4 or D4 steel wires connecting the two girts such that the longitudinal members on either side of the hinge will be properly spaced when the reinforcing is in the final position. Reinforcing steel in final position shall not touch either the dowels or tie bars.



NOTE: EXPANSION JOINTS SHALL BE USED AT ALL PAVEMENT INTERSECTIONS AND WHERE DESIGNATED ON THE PLAN OR CALLED FOR BY THE ENGINEER.

NOTE: T=SLAB THICKNESS
30' ON CENTER MAX.

EXPANSION JOINT

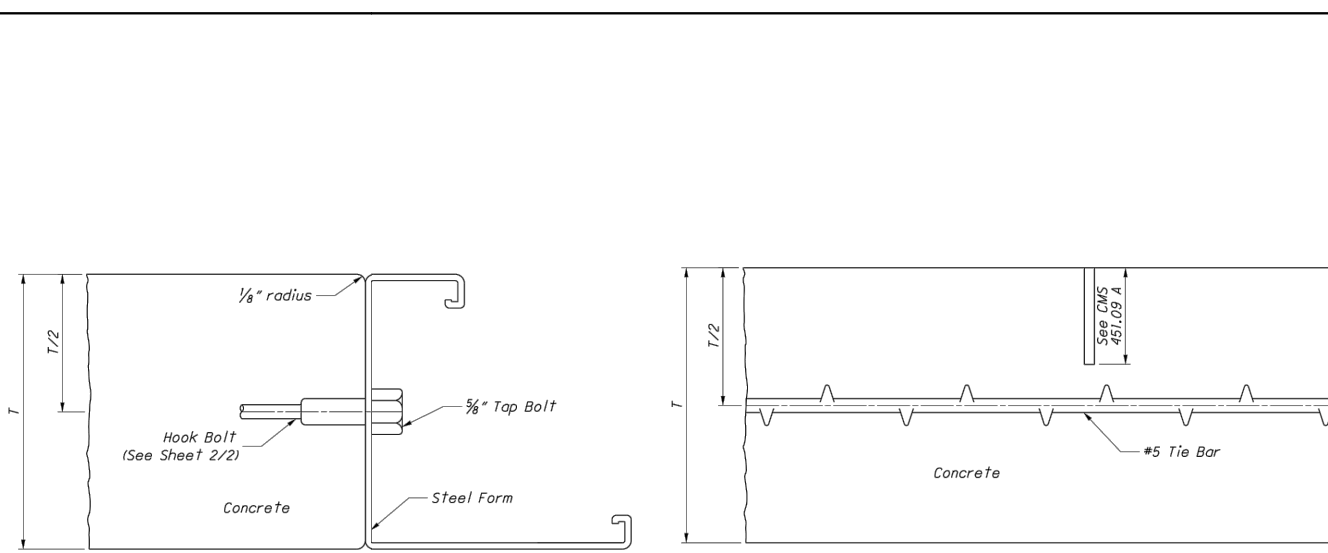


NOTE: T=SLAB THICKNESS
5' ON CENTER MAX.

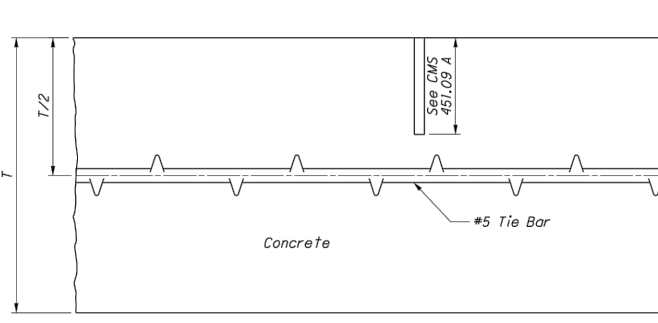
CONTRACTION JOINT

IN ALL CONCRETE WALKS AND DRIVES AND APRONS, INSTALL CONTRACTION JOINTS AT 5' ON CENTER, AND INSTALL EXPANSION JOINTS AT 30' ON CENTER.

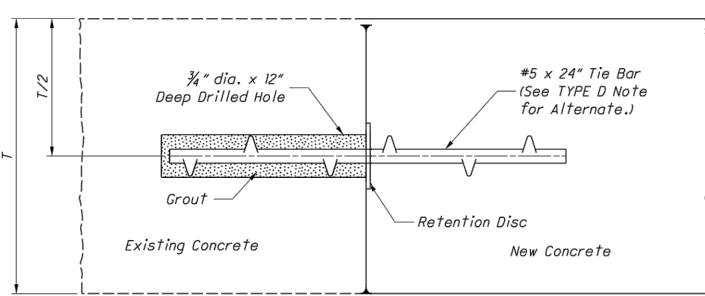
2 CONCRETE JOINTS
C306 SCALE: AS SHOWN



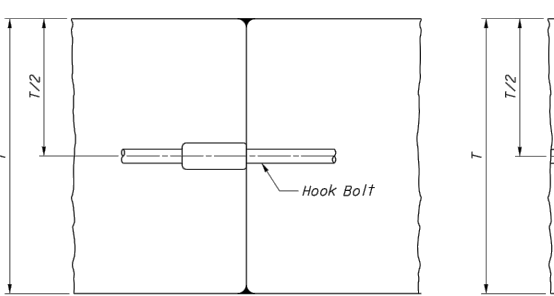
ACCEPTABLE METHOD OF FORMING JOINT



SAWED JOINT



TYPE D (DRILLED TIED LONGITUDINAL) JOINT



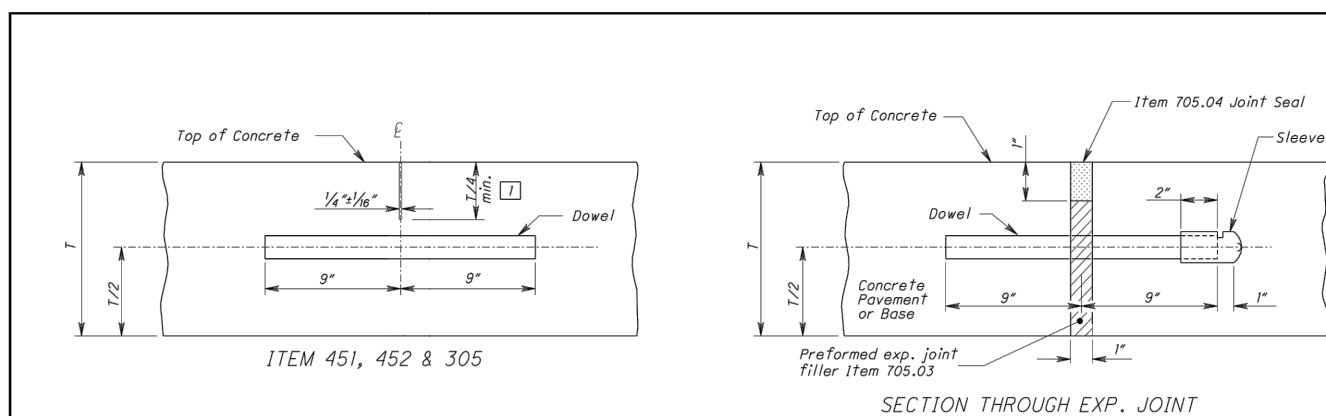
BUTT JOINT
w/ TIE BAR

NOTES

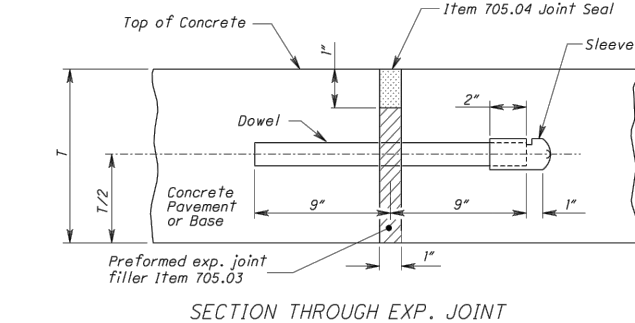
GENERAL: Longitudinal joints shall be used when specified on the typical section and shall be constructed as shown in this drawing in Items 451 and 452 Pavement and Item 305 Base. The joint shall be on the centerline of the pavement unless otherwise shown on the plans, where the pavement width exceeds 16', an additional longitudinal joint shall be introduced into the jointing details as directed by the Engineer. Tie bars shall be #4 deformed bars, a satisfactory device shall be used to hold the tie bars in proper position or they may be installed by a mechanical installing device. Tie bars shall be centered on the longitudinal joint as nearly as practical.

BUTT JOINT: The longitudinal joint between adjoining slabs poured in separate operations shall be butt joint with hook bolts or tie bars, unless otherwise shown on the plans. Butt tie bars shall not be permitted. **TYPE D DRILLED TIED LONGITUDINAL JOINT:** Type D joints shall be constructed in accordance with CAG 255.05; the nylon or plastic retention disc shall be clear or opaque white in color. Grout shall meet the requirements of CAG 255.02. 3/8" expansion anchors, **SHOULD** be used in lieu of the #4 x 24" deformed bar and shall be installed according to the manufacturer's recommendations. The use of self drilling expansion shield anchors, **SHOULD** not be permitted. See sheet 2/2 for additional details.

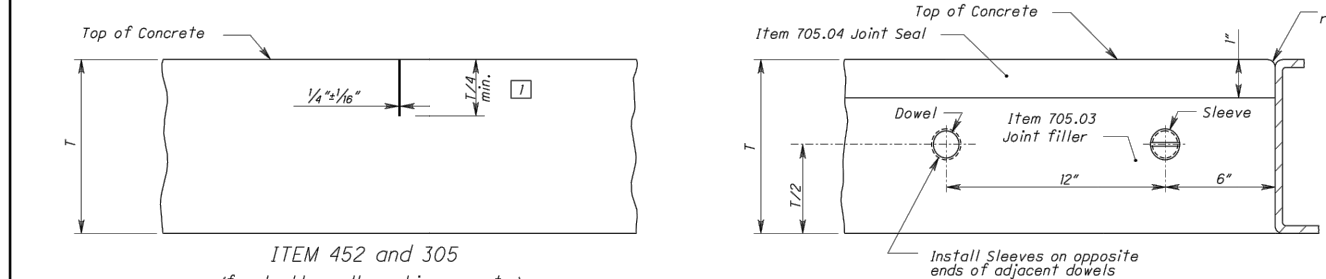
REVISION NO. 1-17-2018
BY: David J. Humphrey
DATE: 1-17-2018
OFFICE OF PAVEMENT ENGINEERING
D. Miller
LONGITUDINAL PAVEMENT JOINTS
BP-2.1
THIS SHEET REPLACES BP-2.1, DATED 7-18-04.



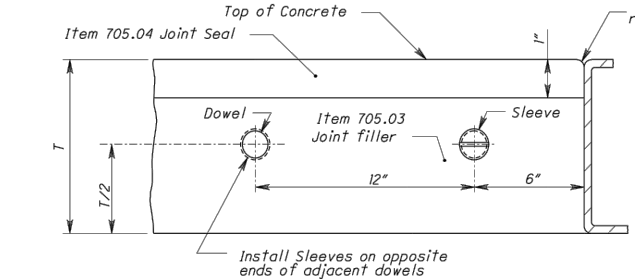
CONTRACTION JOINTS SECTIONS



SECTION THROUGH EXP. JOINT



ITEM 452 and 305
(for shoulders, alleys, driveways, etc.)



SECTION THROUGH CONSTRUCTION JOINT

CONSTRUCTION JOINT

LEGEND

Where 1" x 10", the sawcut depth shall be 1/2". If using 1/2" saw cut, cut joints 24" to 25" deep and 1/2" wide.

NOTES

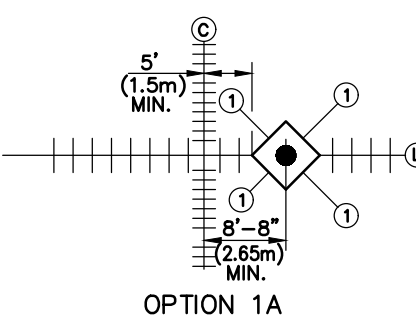
GENERAL: Notes and details shown on this drawing shall be considered in conjunction with and supplemental to the pertinent specifications for portland cement concrete pavement and bases, and related accessories. **JOINT COMPONENTS:** This drawing is intended for use with a uniform depth pavement. When the project involves the placing of varying depth pavement, the joint components shall be placed in place in accordance with the method shown in the plans or as approved by the Engineer. **CONTRACTION JOINTS:** Contraction joints in Items 451 and 305 shall not be drilled in alleys, private drives, or commercial drives. Contraction joints of the type specified shall be placed in accordance with the CONTRACTION JOINT SPACING Table.

Types of Pavement or Base	Maximum Spacing Between Joints
Item 451 Reinforced Concrete Pavement	21'
Item 452 Non-Reinforced Concrete Pavement	15'
Item 305 Concrete Base	15'

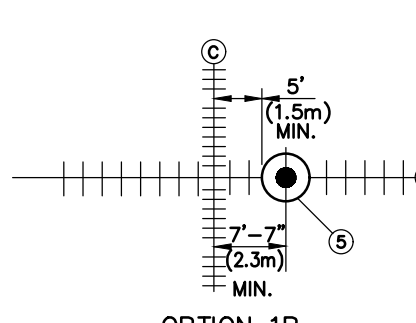
REVISION NO. 1-17-2018
BY: David J. Humphrey
DATE: 1-17-2018
OFFICE OF PAVEMENT ENGINEERING
D. Miller
TRANSVERSE PAVEMENT JOINTS
BP-2.2
THIS SHEET REPLACES BP-2.2, DATED 7-18-04.

SITUATION 1

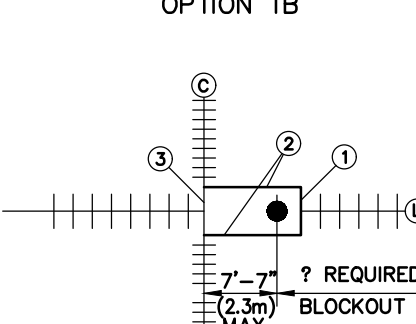
CASTING CENTERED +/- 6" (±150mm) ON PROPOSED LONGITUDINAL JOINT.



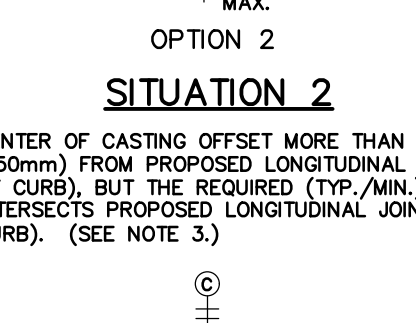
OPTION 1A



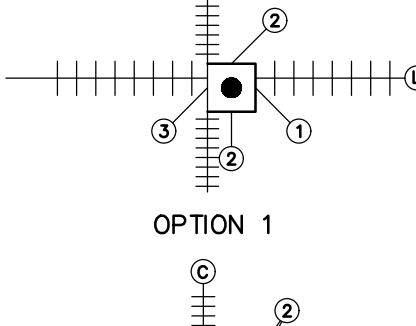
OPTION 1B



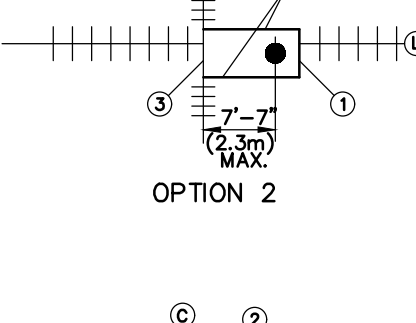
OPTION 2



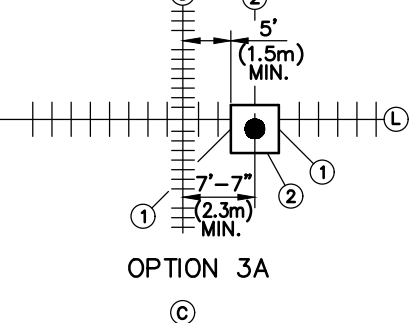
OPTION 3



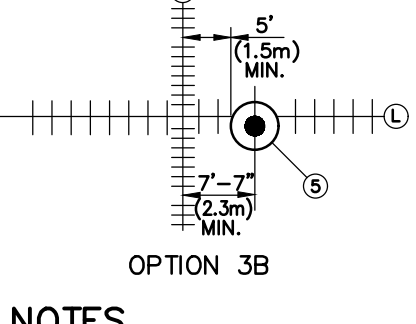
OPTION 4A



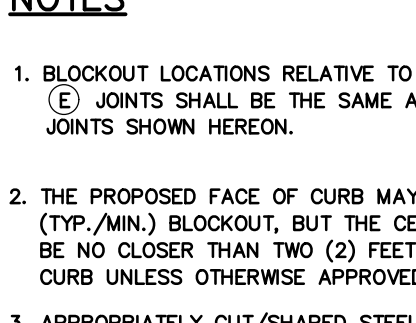
OPTION 4B



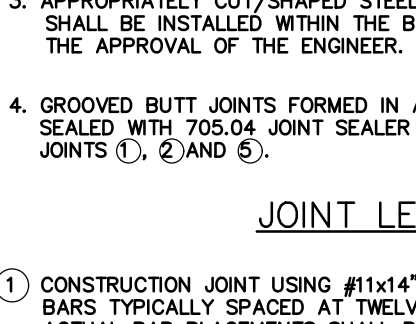
OPTION 3A



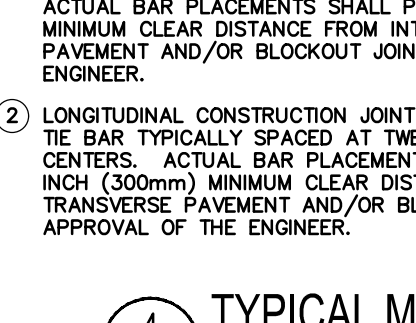
OPTION 3B



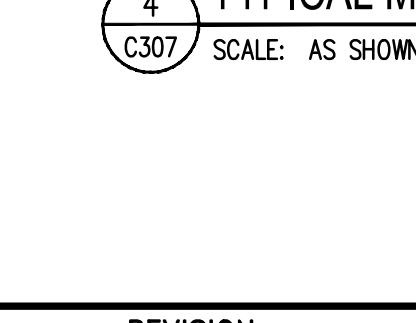
OPTION 3C



OPTION 3D



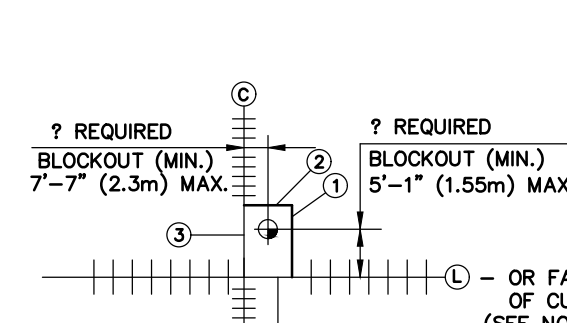
OPTION 3E



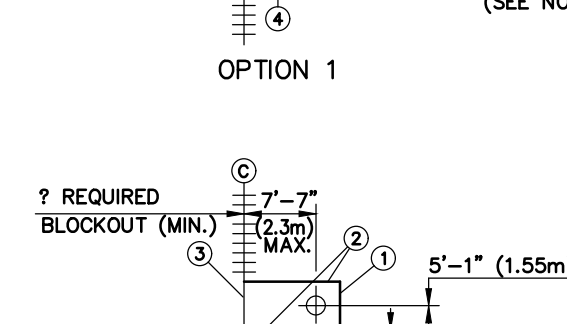
OPTION 3F

SITUATION 3

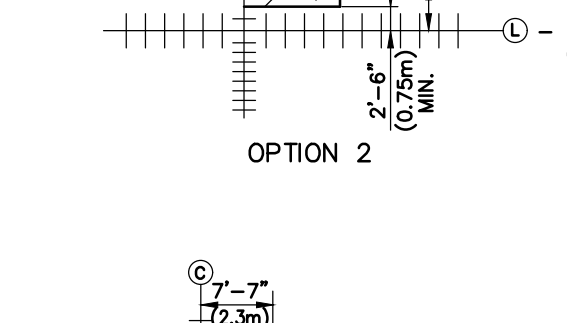
CENTER OF CASTING IS OFFSET FROM PROPOSED LONGITUDINAL JOINT (OR FACE OF CURB) AND REQUIRED (TYP./MIN.) BLOCKOUT DOES NOT INTERSECT PROPOSED LONGITUDINAL JOINT (SEE NOTE 3).



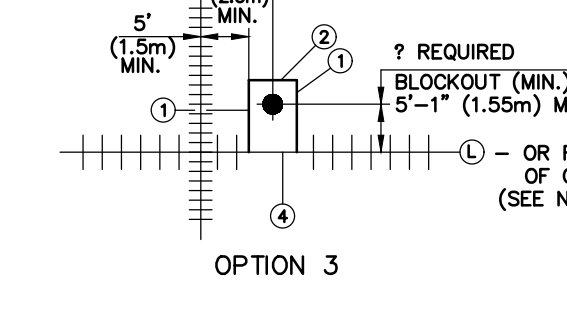
OPTION 1



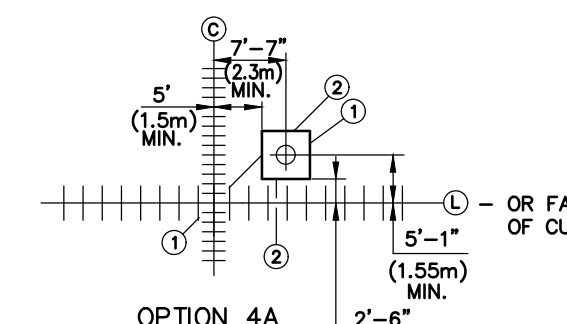
OPTION 2



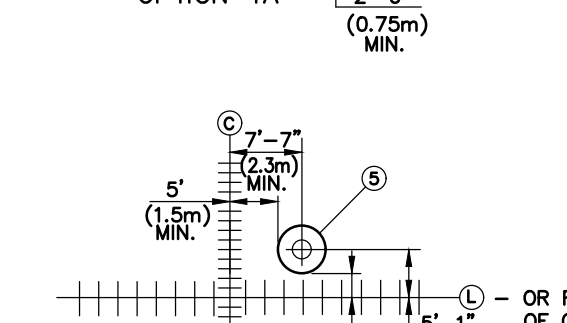
OPTION 3



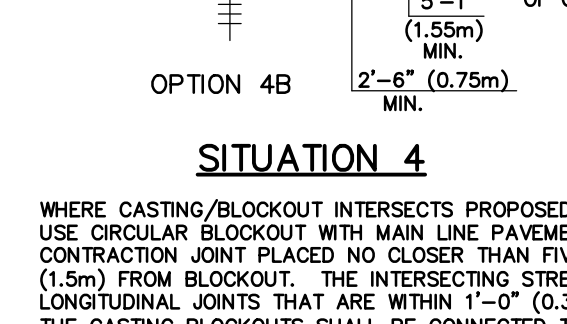
OPTION 4A



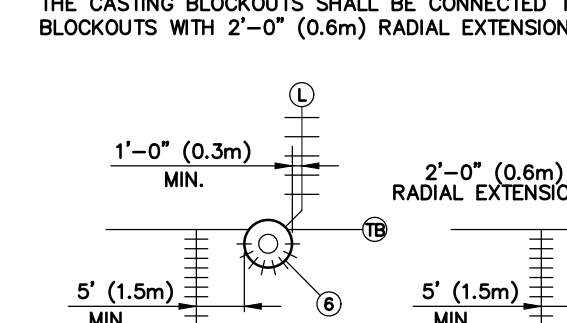
OPTION 4B



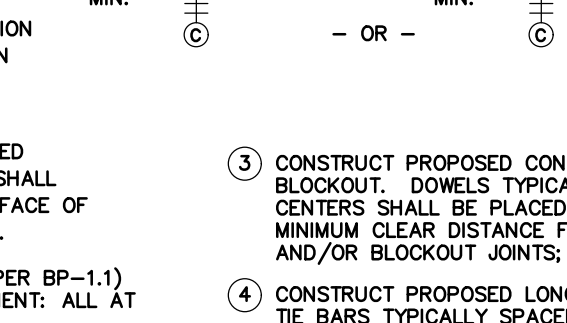
OPTION 4C



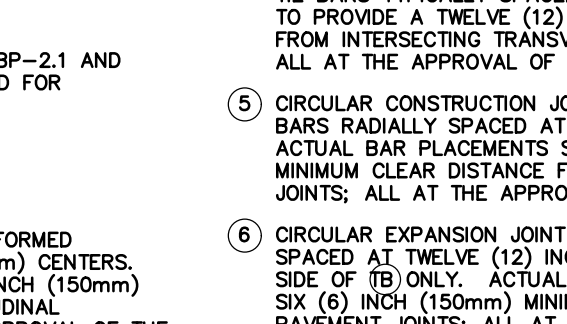
OPTION 4D



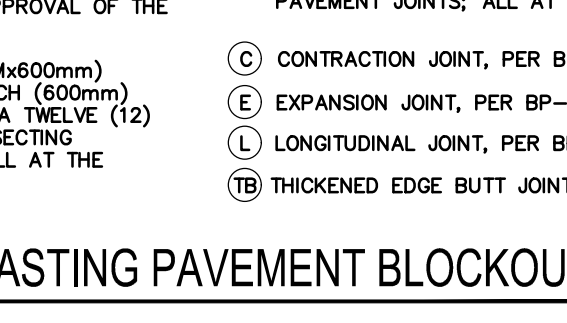
OPTION 4E



OPTION 4F



OPTION 4G



OPTION 4H



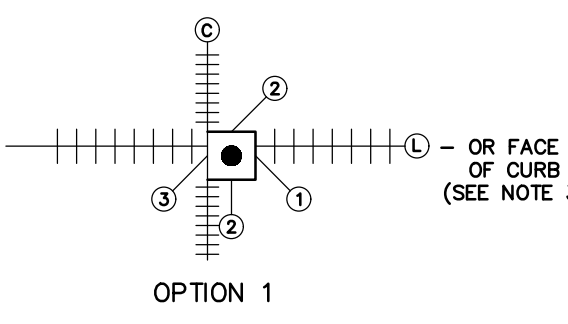
OPTION 4I



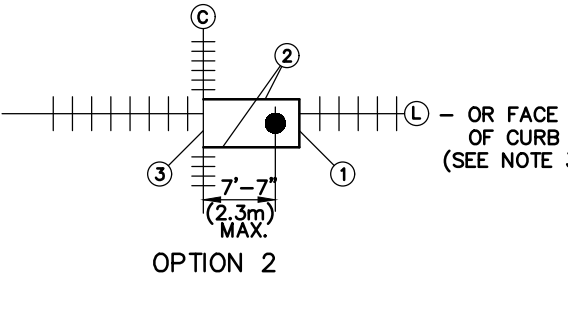
OPTION 4J

SITUATION 2

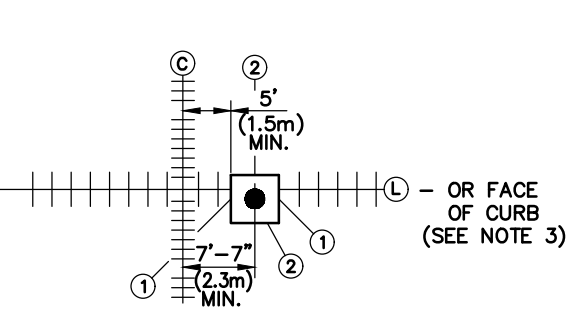
CENTER OF CASTING OFFSET MORE THAN SIX (6) INCHES (150mm) FROM PROPOSED LONGITUDINAL JOINT (OR FACE OF CURB), BUT THE REQUIRED (TYP./MIN.) BLOCKOUT INTERSECTS PROPOSED LONGITUDINAL JOINT (OR FACE OF CURB). (SEE NOTE 3).



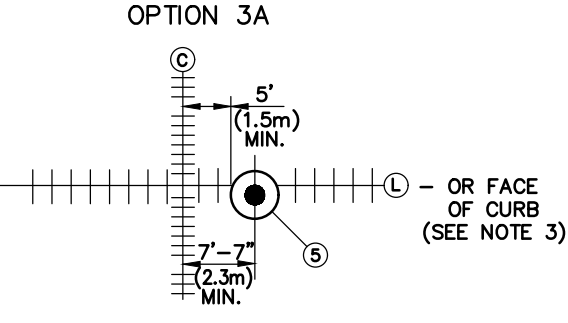
OPTION 1



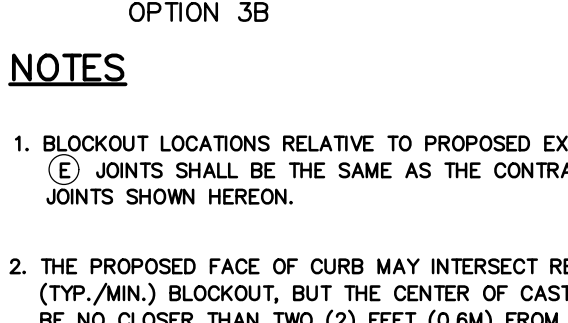
OPTION 2



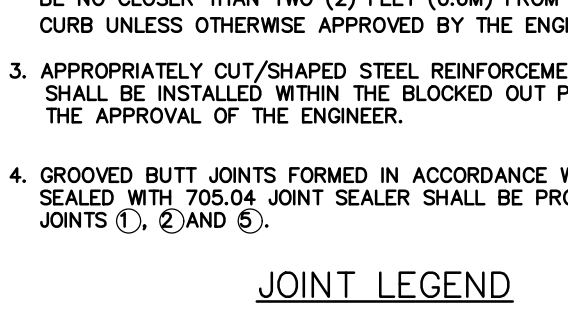
OPTION 3A



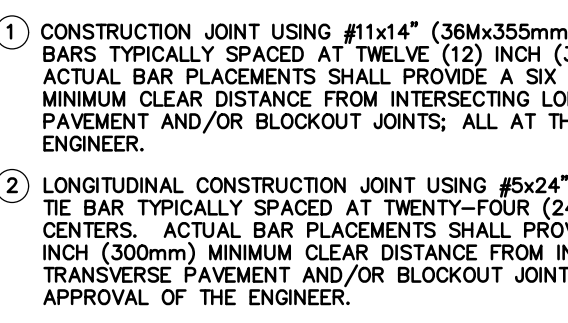
OPTION 3B



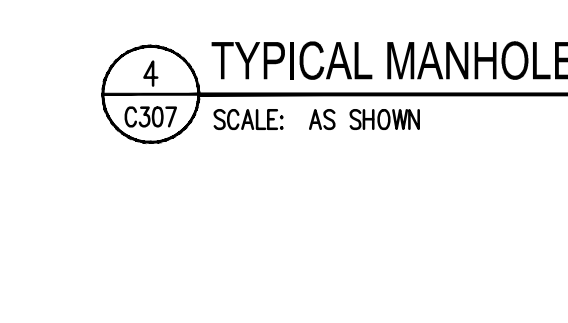
OPTION 3C



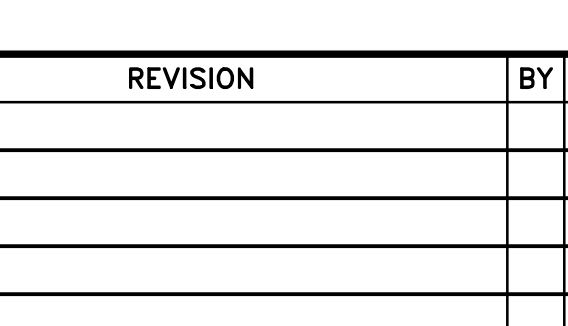
OPTION 3D



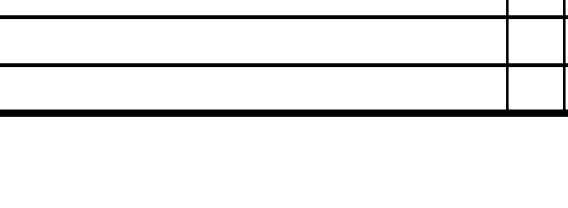
OPTION 3E



OPTION 3F



OPTION 3G



OPTION 3H

OPTION 3I

OPTION 3J

OPTION 3K

OPTION 3L

OPTION 3M

OPTION 3N

OPTION 3O

OPTION 3P

OPTION 3Q

OPTION 3R

OPTION 3S

OPTION 3T

OPTION 3U

OPTION 3V

OPTION 3W

OPTION 3X

OPTION 3Y

OPTION 3Z

OPTION 3AA

OPTION 3AB

OPTION 3AC

OPTION 3AD

OPTION 3AE

OPTION 3AF

OPTION 3AG

OPTION 3AH

OPTION 3AI

OPTION 3AJ

OPTION 3AK

OPTION 3AL

OPTION 3AM

OPTION 3AN

OPTION 3AO

OPTION 3AP

OPTION 3AQ

OPTION 3AR

OPTION 3AS

OPTION 3AT

OPTION 3AU

OPTION 3AV

OPTION 3AW

OPTION 3AX

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OPTION 3BE

OPTION 3BF

OPTION 3BG

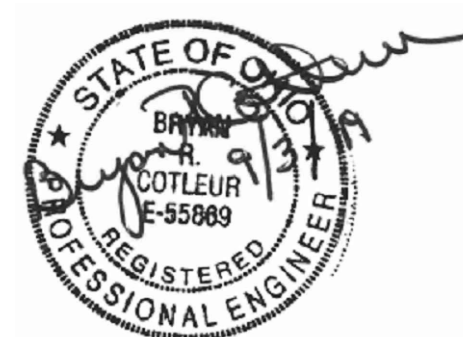
OPTION 3BH

OPTION 3BI

OPTION 3BJ



ISSUED FOR BIDDING:
09/05/2019

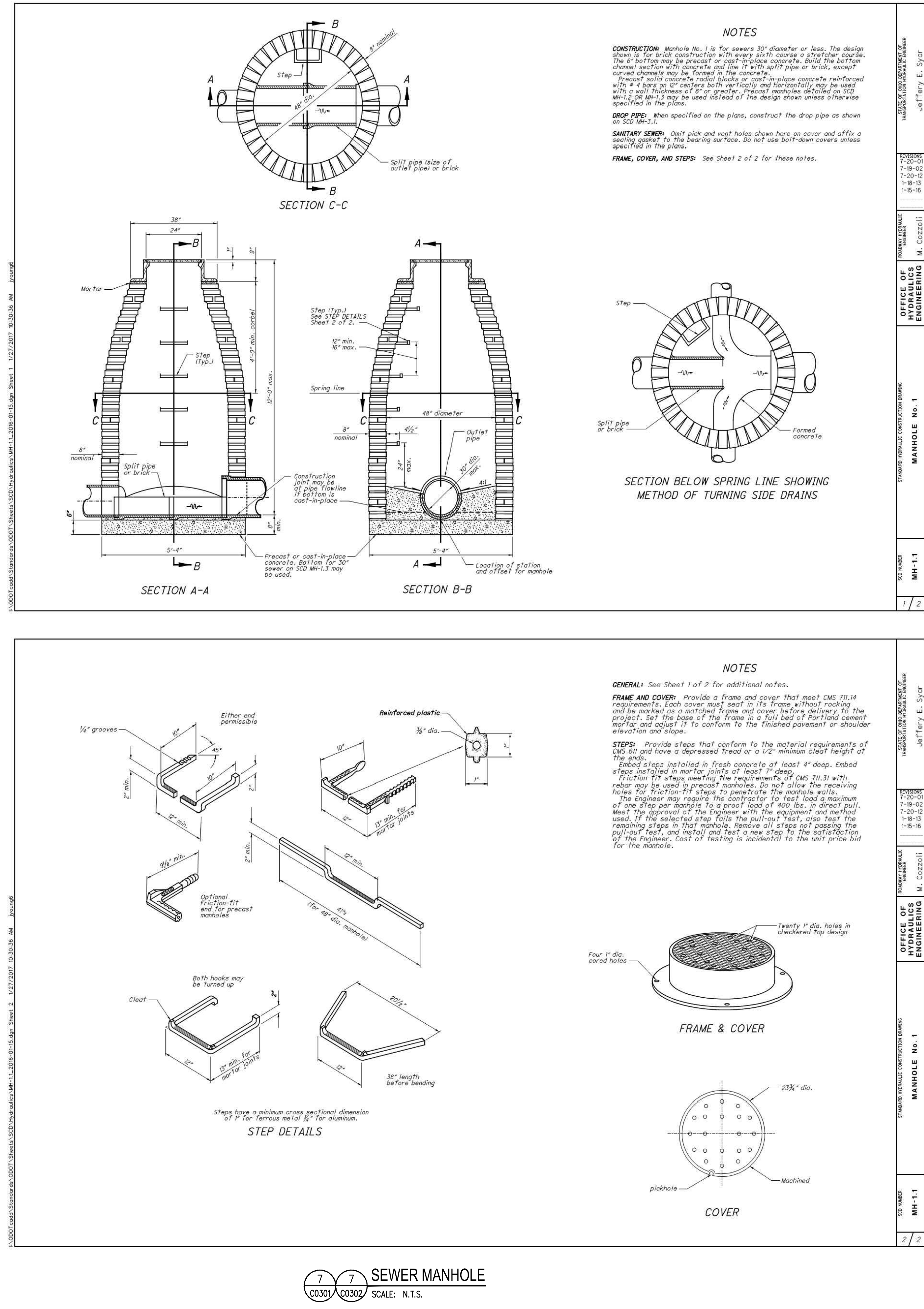
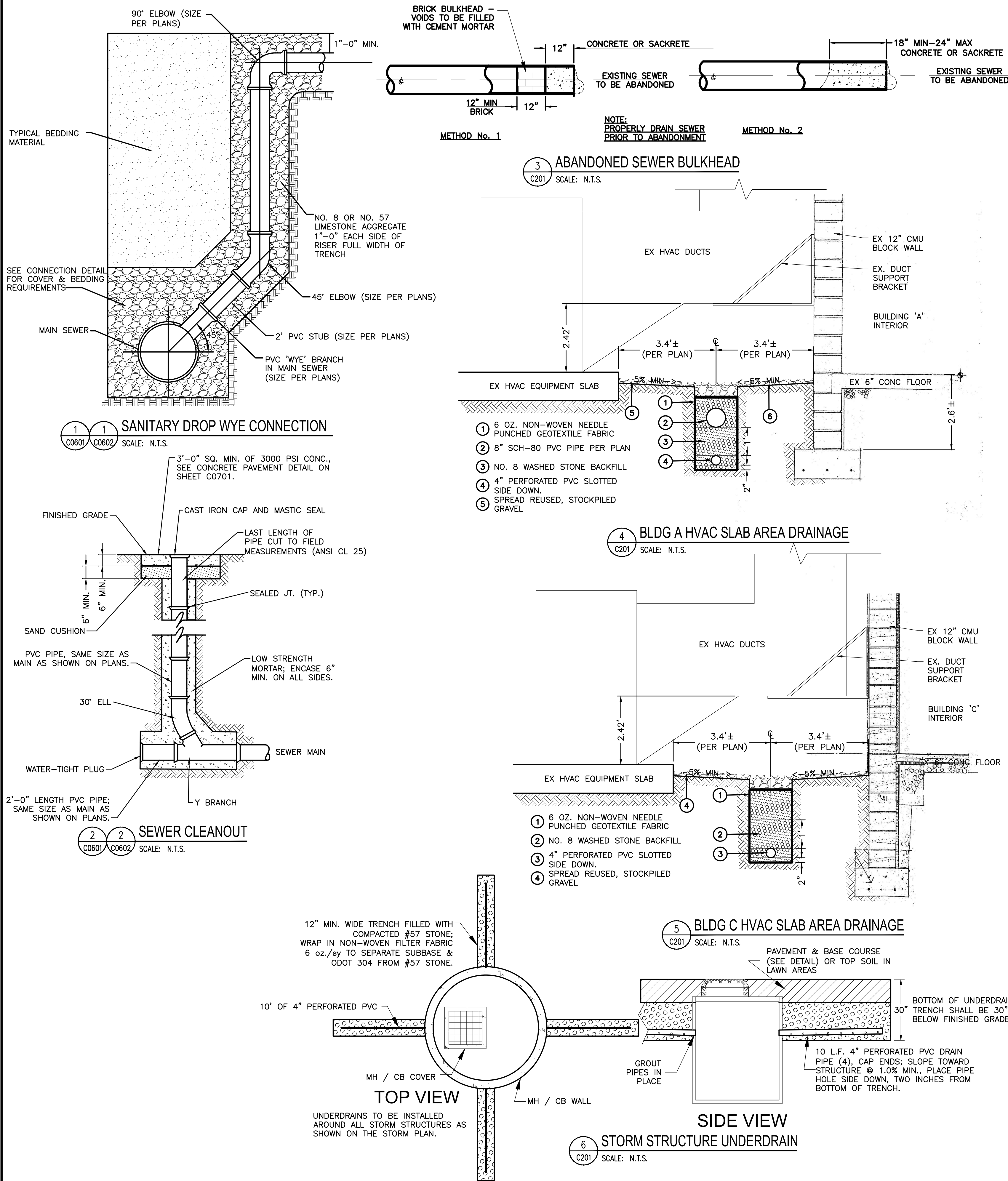


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
SEWER DETAILS

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS				
DATE: SEPTEMBER 2019					
HORIZ. SCALE: AS SHOWN					
VERT. SCALE: AS SHOWN					
PROJECT NUMBER					
1922-6003-00					

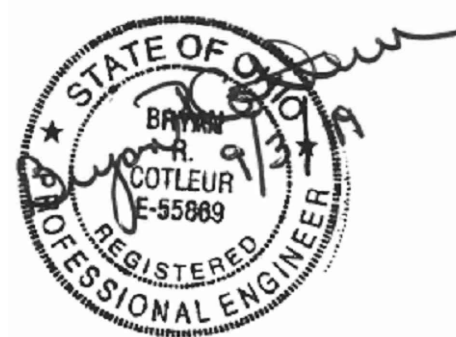
DLZ OHIO, INC

SHEET 22
OF 45
DRAWING NUMBER
C0704





ISSUED FOR BIDDING:
09/05/2019

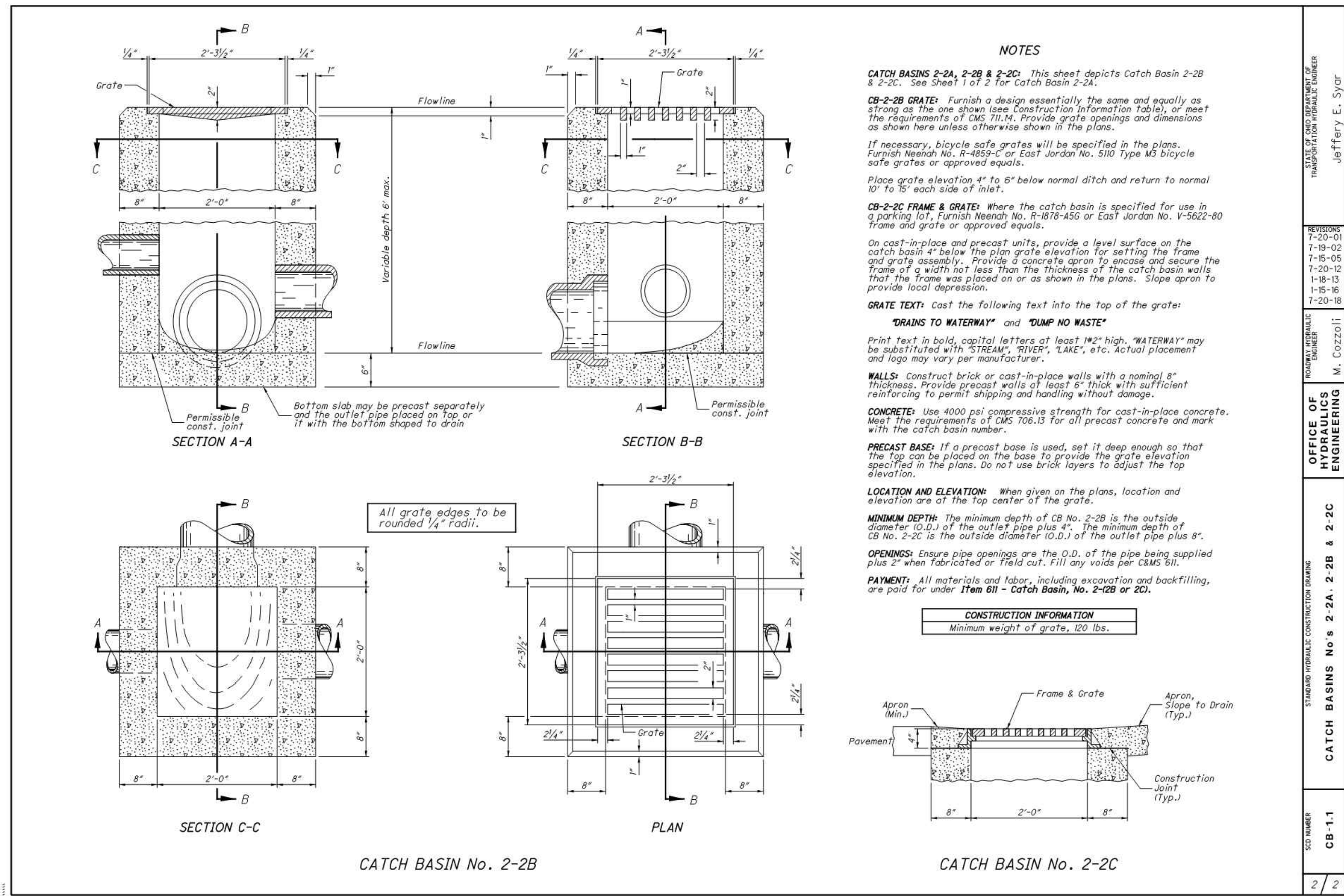


AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
SEWER DETAILS

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	▲			
DATE: SEPTEMBER 2019		▲			
HORIZ. SCALE: AS SHOWN		▲			
VERT. SCALE: AS SHOWN		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			

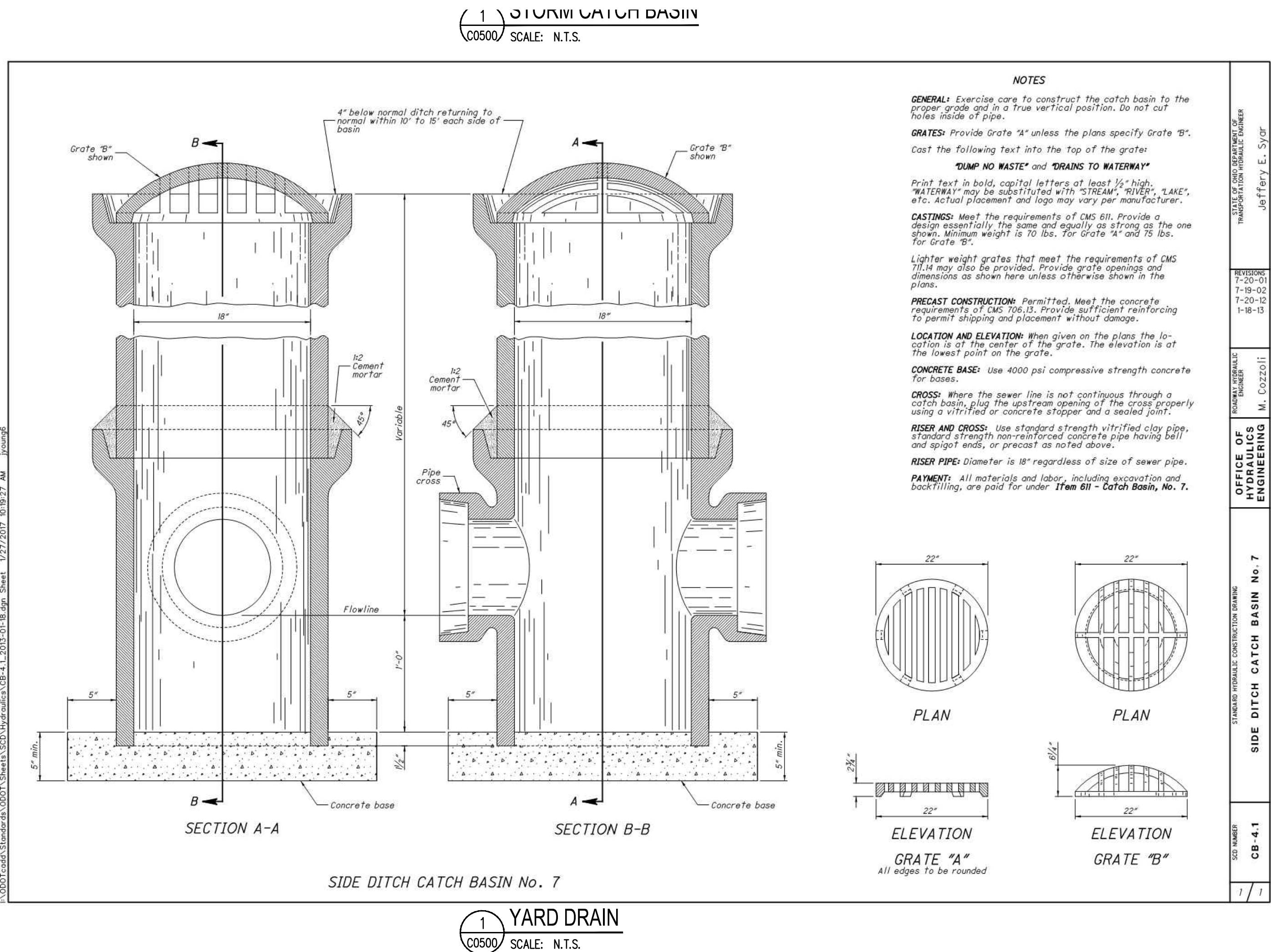
DLZ OHIO, INC

SHEET 23
OF 45
DRAWING NUMBER
C0705

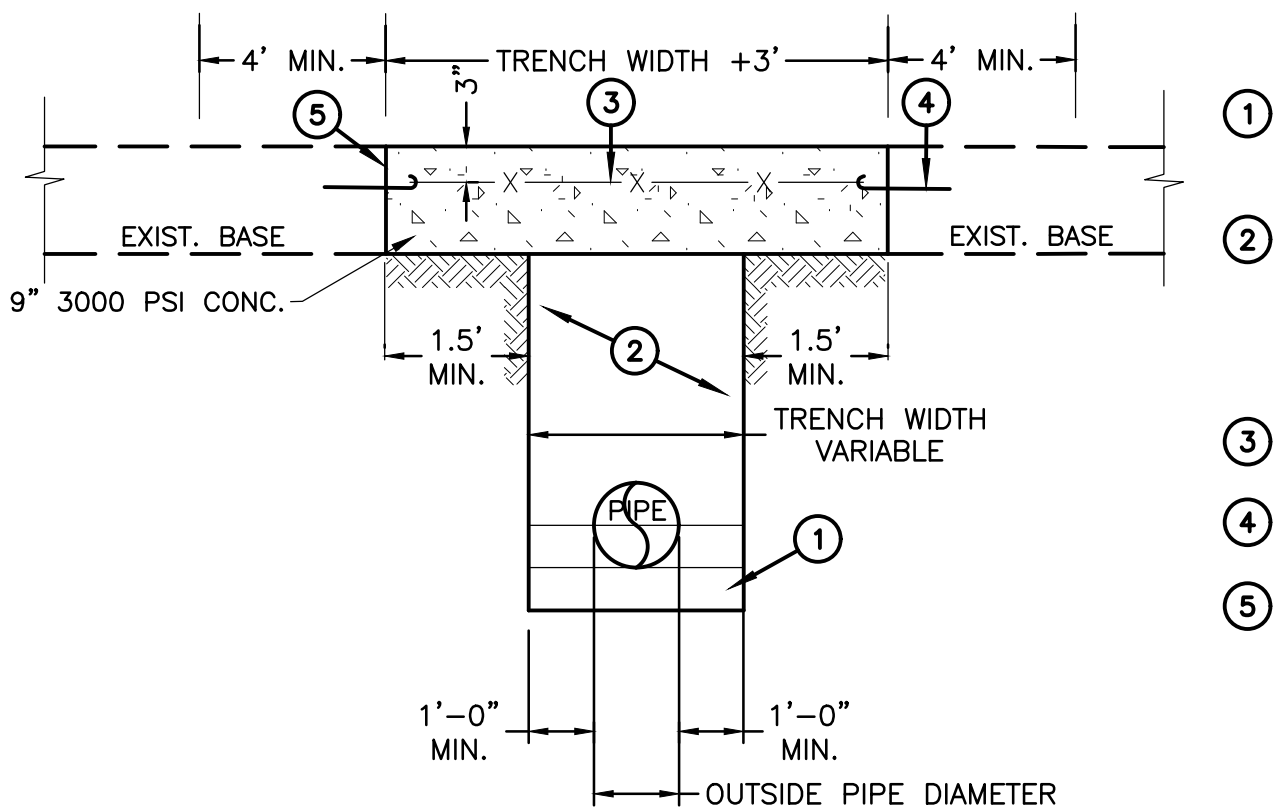


NOT USED. FOR REPAIR
WITHIN CITY OF AKRON
R/W. USE DETAIL ON
C0708

2 ASPHALT PAVEMENT REPAIR
C0302 SCALE: N.T.S.



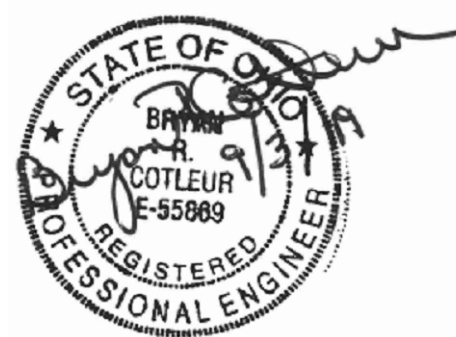
1 YARD DRAIN
C0500 SCALE: N.T.S.



3 CONCRETE PAVEMENT REPAIR
C0302 SCALE: N.T.S.



ISSUED FOR BIDDING:
09/05/2019



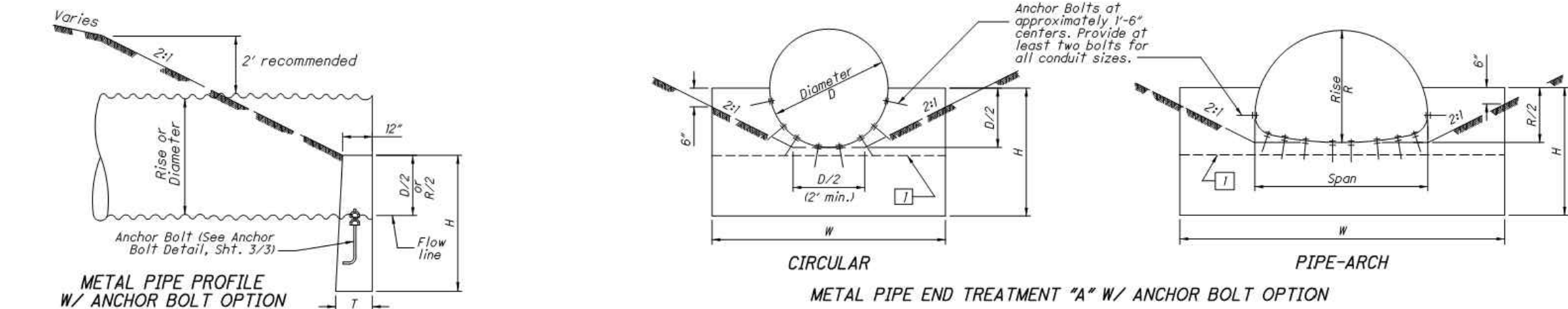
AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

SEWER AND RAIN-GARDEN DETAILS

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	1			
DATE: SEPTEMBER 2019		2			
HORIZ. SCALE: AS SHOWN		3			
VERT. SCALE: AS SHOWN		4			
PROJECT NUMBER		5			
1922-6003-00		6			

DLZ OHIO, INC

SHEET 24
OF 45
DRAWING NUMBER
C0706



CAST-IN-PLACE HW FOR CORRUGATED METAL PIPE & PLASTIC PIPE (English)														
CIRCULAR					PIPE ARCH					PIPE ARCH				
D	H	T	CONC. Cu. Yds.	SPAN	RISE	W	H	T	CONC. Cu. Yds.	SPAN	RISE	W	H	T
12"	2'-0"	3'-0"	0.21	17'	13'	13'-0"	3'-0"	12"	0.31	81'	59'	12'-4"	5'-5"	15'
15"	2'-6"	3'-2"	0.27	17'	13'	13'-0"	3'-0"	12"	0.31	81'	59'	12'-4"	5'-5"	15'
18"	3'-0"	3'-3"	0.33	21'	15'	15'-0"	3'-0"	12"	0.38	85'	63'	13'-0"	5'-7"	17'
21"	3'-6"	3'-4"	0.39	24'	18'	18'-0"	3'-2"	12"	0.43	103'	71'	15'-0"	5'-11"	22'
24"	4'-0"	3'-6"	0.46	28'	20'	20'-0"	3'-3"	12"	0.48	103'	75'	15'-0"	5'-11"	22'
27"	4'-6"	3'-8"	0.53	32'	24'	24'-0"	3'-5"	12"	0.61	117'	79'	15'-0"	6'-3"	25'
30"	5'-0"	3'-9"	0.60	42'	29'	29'-0"	3'-7"	12"	0.73	128'	83'	15'-0"	6'-5"	26'
33"	5'-6"	3'-10"	0.68	49'	33'	33'-0"	3'-9"	12"	0.90	137'	87'	15'-0"	6'-7"	27'
36"	6'-0"	4'-0"	0.76	53'	38'	38'-0"	4'-0"	12"	1.10	142'	91'	15'-0"	6'-9"	27'
39"	6'-6"	4'-2"	0.84	64'	43'	43'-0"	4'-4"	12"	1.31					
42"	7'-0"	4'-3"	0.92	71'	47'	47'-0"	4'-6"	12"	1.54					
48"	8'-0"	4'-6"	1.10	83'	52'	52'-0"	5'-3"	12"	1.84					
54"	9'-3"	4'-9"	1.33	83'	57'	57'-0"	5'-5"	15'	2.46					
60"	10'-6"	5'-6"	1.78											
66"	11'-9"	5'-9"	2.06											
72"	13'-0"	6'-0"	2.37	13'-3"	9'-4"	23'-11"	7'-11"	32'	9.63	7'-3"	5'-3"	12'-11"	5'-11"	17'
78"	14'-3"	6'-3"	2.84	13'-6"	9'-6"	24'-8"	8'-0"	32'	10.12	7'-8"	5'-5"	13'-2"	6'-0"	18'
84"	15'-6"	6'-6"	3.30	14'-0"	9'-8"	24'-10"	8'-1"	33'	10.53	7'-11"	5'-7"	14'-0"	6'-4"	20'
90"	16'-9"	6'-9"	4.00	14'-2"	9'-10"	25'-3"	8'-2"	33'	10.87	8'-2"	5'-9"	14'-8"	6'-2"	21'
96"	18'-0"	7'-0"	4.40	14'-5"	10'-0"	25'-8"	8'-3"	33'	11.39	8'-7"	5'-11"	15'-0"	6'-3"	22'
102"	19'-3"	7'-3"	5.28	14'-11"	10'-2"	26'-3"	8'-4"	34'	11.68	8'-10"	6'-1"	15'-10"	6'-4"	23'
108"	20'-6"	7'-6"	6.21	15'-4"	10'-4"	26'-11"	8'-5"	34'	12.01	9'-4"	6'-3"	16'-0"	6'-5"	24'
114"	21'-9"	7'-9"	7.25	15'-7"	10'-6"	27'-3"	8'-6"	34'	12.51	9'-6"	6'-5"	16'-10"	6'-6"	24'
120"	23'-0"	8'-0"	8.38	15'-10"	10'-8"	28'-3"	8'-7"	35'	13.06	9'-9"	6'-7"	17'-0"	6'-7"	27'
126"	23'-0"	8'-3"	8.64	16'-3"	10'-8"	28'-8"	8'-8"	35'	13.34	10'-3"	6'-9"	17'-10"	6'-8"	27'
132"	23'-0"	8'-6"	28'	9.23	16'-6"	11'-0"	29'-3"	35'	13.94	10'-8"	6'-11"	17'-11"	6'-9"	27'
138"	24'-3"	8'-9"	30'	10.50	17'-0"	11'-2"	29'-8"	36'	14.24	10'-11"	7'-1"	18'-10"	6'-10"	28'
144"	25'-3"	9'-0"	32'	11.88	17'-3"	11'-4"	30'-3"	36'	14.84	11'-5"	7'-3"	18'-11"	6'-11"	28'
150"	26'-4"	9'-3"	34'	13.38	17'-5"	11'-6"	31'-5"	36'	15.42	11'-7"	7'-5"	19'-3"	7'-0"	28'
156"	27'-5"	9'-6"	36'	15.01	17'-11"	11'-8"	31'-7"	37'	16.83	11'-10"	7'-7"	20'-3"	7'-1"	29'
162"	28'-7"	9'-9"	38'	16.75	18'-1"	11'-10"	32'-5"	37'	16.43	12'-4"	7'-9"	20'-10"	7'-2"	29'
168"	29'-8"	10'-0"	40'	18.61	18'-7"	12'-0"	32'-6"	37'	16.78	12'-6"	7'-11"	21'-8"	7'-3"	29'
174"	30'-9"	10'-3"	42'	20.28	18'-9"	12'-2"	33'-4"	38'	17.43	12'-8"	8'-1"	22'-7"	7'-4"	30'
180"	31'-10"	10'-6"	43'	21.87	19'-3"	12'-4"	33'-5"	38'	17.78	12'-10"	8'-4"	23'-7"	7'-5"	30'
186"	33'-0"	10'-9"	44'	23.54	19'-6"	12'-6"	34'-5"	38'	18.49	13'-5"	8'-5"	23'-7"	7'-6"	30'
192"	34'-2"	11'-0"	45'	25.30	19'-8"	12'-8"	35'-3"	39'	19.19	13'-11"	8'-7"	23'-7"	7'-7"	31'
198"	35'-3"	11'-3"	46'	27.12	19'-11"	12'-10"	36'-1"	39'	19.86	14'-1"	8'-9"	25'-11"	7'-8"	31'
204"	36'-4"	11'-6"	47'	29.15	20'-5"	13'-0"	36'-3"	39'	20.30	14'-3"	8'-11"	25'-6"	7'-9"	31'
210"	37'-6"	11'-9"	48'	31.03	20'-7"	13'-2"	37'-2"	40'	21.08	14'-10"	9'-1"	25'-6"	7'-10"	32'
216"	38'-7"	12'-0"	49'	33.43						15'-4"	9'-3"	25'-6"	7'-11"	32'
222"	39'-9"	12'-3"	50'	36.26	40'	31'	8'-6"	37'-7"	0.70	15'-6"	9'-5"	26'-5"	8'-0"	32'
228"	40'-10"	12'-6"	51'	37.52	46'	36'	7'-8"	37'-9"	0.85	15'-8"	9'-7"	27'-5"	8'-1"	33'
234"	42'-0"	12'-9"	52'	39.86	53'	41'	8'-0"	4'-0"	1.06	15'-10"	9'-10"	28'-5"	8'-2"	33'
240"	43'-7"	13'-0"	53'	42.28	60'	46'	10'-0"	4'-4"	1.27	16'-5"	9'-11"	28'-5"	8'-3"	33'
246"	44'-2"	13'-3"	54'	44.83	66'	51'	11'-0"	4'-8"	1.54	16'-7"	10'-1"	29'-4"	8'-4"	34'
252"	45'-4"	13'-6"	55'	47.44	73'	57'	11'-4"	5'-3"	1.81	--	--	--	--	--

* Determine channel configuration for pipe sizes between and treatment "A" and treatment "B" by 2/1 slopes passing through a point 6" below the top and at each side of the headwall. For end treatment "B", 2/1 slopes are tangent to pipe.

1 HEADWALL
05050 SCALE: N.T.S.

PLANTING SOILS:

OPTION 1:

USE KURTZ BROS., INC HYDRO CLEAR BIORETENTION SOIL, OR ENGINEER APPROVED ALTERNATE PRE-PACKAGED SOIL.
[HTTPS://WWW.KURTZ-BROS.COM/GREEN-INFRASTRUCTURE/HYDRO-CLEAR-BIORETENTION-SOIL/](https://www.kurtz-bros.com/green-infrastructure/hydro-clear-bioretention-soil/)

OPTION 2:

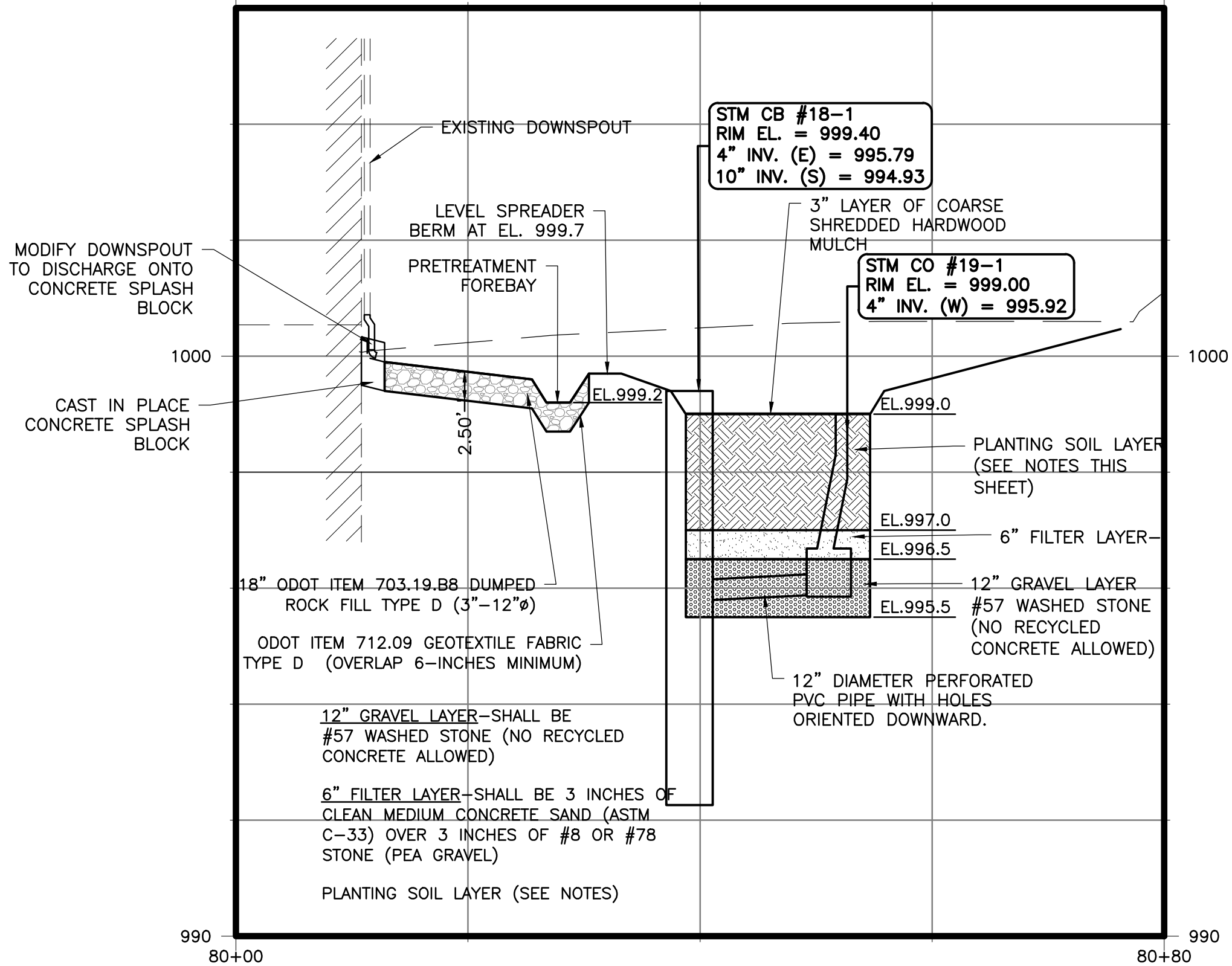
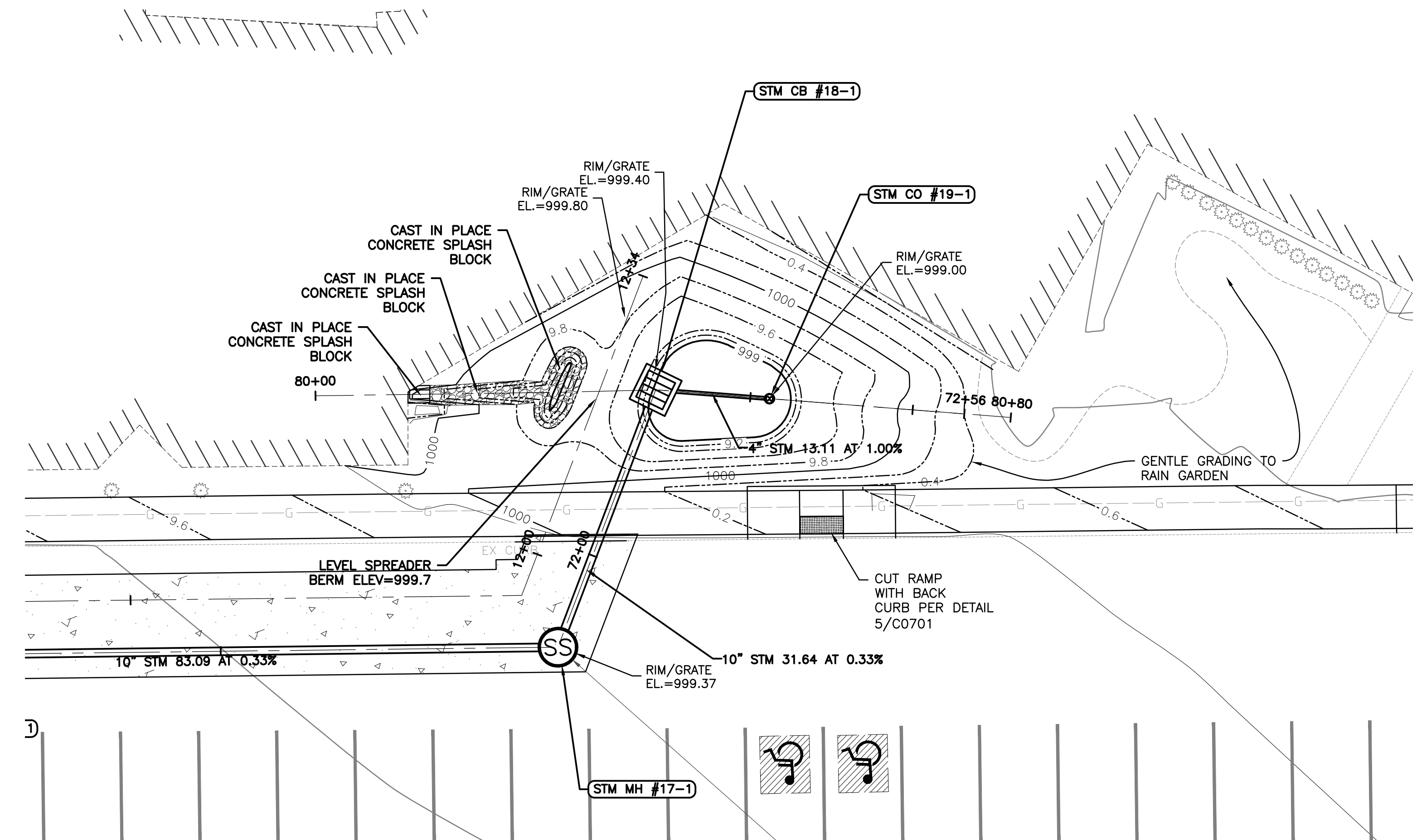
- SOILS AND SOIL MIXES MUST BE CERTIFIED BY A QUALIFIED LABORATORY (1 TEST PER 100 CU. YD. OF SOIL) HAVING THE FOLLOWING ATTRIBUTES:
- TEXTURE CLASS: LOAMY SAND. HAVING NO LESS THAN 80% SAND AND NO GREATER THAN 10% CLAY CONSIDERING ONLY THE MINERAL FRACTION OF THE SOIL.
 - pH RANGE: 5.2 - 8.0
 - SOLUBLE SALTS: 500 PPM MAXIMUM.
 - DECOMPOSED ORGANIC MATTER: 3-5% BY WEIGHT [NOTE: THIS TRANSLATES TO 8-20% ORGANIC MATTER BY VOLUME. SEE NOTE ON "CREATING A SUITABLE SOIL MEDIA"]
 - THE PHOSPHORUS OF THE PLANTING MEDIA SHOULD FALL BETWEEN 15 AND 60 MG/KG (PPM) AS DETERMINED BY THE MEHLICH III TEST. FOR SITES IN WATERSHEDS WITH A PHOSPHORUS TMDL OR SITES WITH HIGH PHOSPHORUS LOADS, THE PHOSPHORUS CONTENT OF THE PLANTING MEDIA SHOULD FALL BETWEEN 10 AND 30 MG/KG AS DETERMINED BY THE MEHLICH III TEST.
 - SAND ADDED SHALL BE CLEAN AND MEET AASHTO M-6 OR ASTM C-33 WITH A GRAIN SIZED OF 0.02-0.04 INCHES.

CREATING SUITABLE SOIL MEDIA-TO MEET THE ABOVE SOIL MEDIA CRITERIA, THE FOLLOWING MIX (BY VOLUME) IS RECOMMENDED AS A STARTING POINT:

- SAND: 5 PARTS CLEAN SAND
- NATIVE SOIL: 1 PART (LOAM, SILT LOAM OR CLAY LOAM TEXTURE)
- DECOMPOSED ORGANIC MATTER: 3 PARTS (LEAF COMPOST, BARK FINES, MULCH FINES, ETC.)

BASED ON TESTING, EXPERIENCE AND NATIVE SOIL CHARACTERISTICS THE SAND, SOIL OR ORGANIC MATTER CONTENT CAN BE ADJUSTED TO ACHIEVE THE DESIRED MIX. THE SOIL MIX SUPPLIER SHOULD PRE-TEST THE SAND, NATIVE SOIL AND ORGANIC MATTER TO EVALUATE THEIR PHOSPHOROUS CONTENT. THE SOIL MIX SUPPLIER MUST PRESENT A SOIL TEST SHOWING THE PLANTING MEDIA MEETS THE CRITERIA ABOVE.

1 RAIN-GARDEN PLAN, PROFILE AND NOTES
05050 SCALE: N.T.S.





ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
CITY OF AKRON SEWER DETAILS

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	1			
DATE: SEPTEMBER 2019		2			
HORIZ. SCALE: AS SHOWN		3			
VERT. SCALE: AS SHOWN		4			
PROJECT NUMBER		5			
1922-6003-00		6			

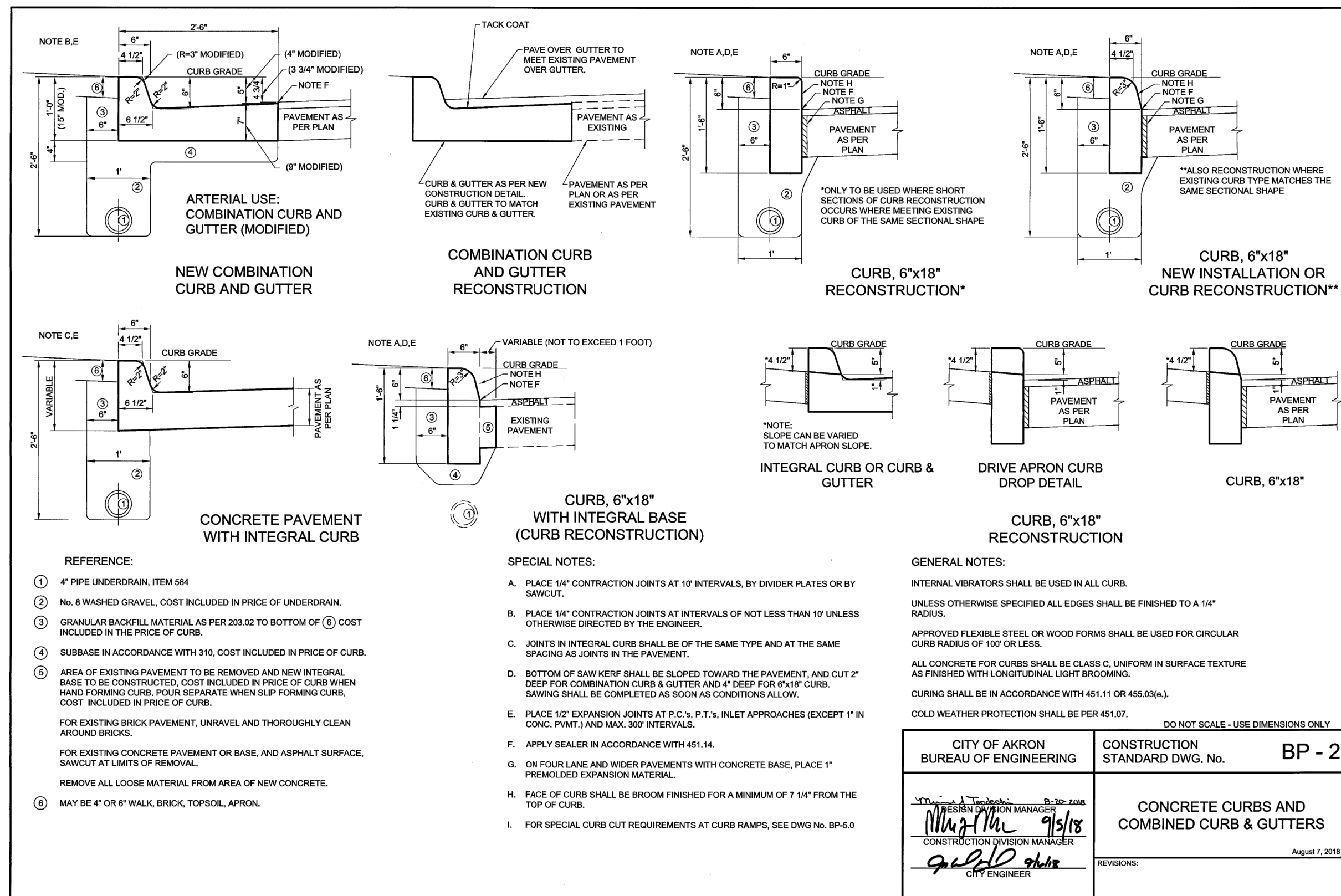
DLZ OHIO, INC

SHEET 25

OF 45

DRAWING NUMBER

C0707



ACCEPTABLE CASTINGS & RELATED ITEMS	NEENAH FOUNDRY COMPANY NUMBER	EAST JORDAN IRON WORKS, INC. NUMBER
MANHOLE, 8" HIGH FRAME	R-1642-A	10462
MANHOLE, 8" HIGH FRAME (REVERSIBLE FRAME)		10462
MANHOLE, 4" HIGH FRAME		10462
MANHOLE COVER, SOLID	R-1642 PLATED LID "CITY OF AKRON, SEWER"	10462 LID "CITY OF AKRON, SEWER"
MANHOLE COVER, SOLID, WITH TYPE K LOCK	R-1642 LID, WITH TYPE K LOCK "CITY OF AKRON, SEWER"	
MANHOLE COVER, SOLID, WITH CAM LOCK	R-1642 LID, WITH "O" CAM LOCK "CITY OF AKRON, SEWER"	10462S CAM COVER "CITY OF AKRON, SEWER"
MANHOLE COVER, ALTERNATE, SLOTTED GRATE	R-2370 GRATE	10463M, 10462M, 10463
MANHOLE COVER, ALTERNATE, SLOTTED GRATE, DOME		10463
MANHOLE COVER, ALTERNATE, SLOTTED GRATE, BEEHIVE	R-2860	104632
MANHOLE ADJUSTING RING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER)	R-1642 SIZES (1 1/2", 2", 2 1/2" & 3")	10463H 3", 10463H 2"
MANHOLE STEP (NEW)	R-1980-F	
MANHOLE STEP (REPLACEMENT)	R-1980-C	
NO. 2 INLET FRAME & GRATE	R-3337	5385
NO. 2 INLET FRAME & GRATE	R-3337	7260
NO. 3 INLET FRAME & COVER, W/6"x18" CURB	R-3338	7260
NO. 3 INLET FRAME & COVER, W/COMB. CURB	R-3338-A	7265
NO. 3 INLET F-PLATE	R-3338-007	7265J
NO. 3 INLET FRAME, CURB CASTING, GRATE "Y"	R-3338-HV, GRATE TYPE V	7360, GRATE TYPE M
NO. 3 INLET (DOUBLE), FRAME, CURB CASTING, GRATE "Y" (D)	R-3338-HV, GRATE TYPE V	7360, GRATE TYPE M
MONUMENT BOX, FRAME & COVER	R-1973-A	1024 "HAB RESERV. AVAILABLE"
HEAVY DUTY TRENCH FRAME & GRATE	R-4990, GRATE TYPE A, C, P	8500 GRATE TYPE M
HEAVY DUTY TRENCH FRAME & COVER (SOLID)	R-4990, GRATE TYPE D, E	8500 GRATE TYPE A

MANHOLE IDENTIFICATION

MANHOLE	SEWER TYPE	PIPE DIAMETER
DESIGNATION		
MM-1A	48"	12" - 18"
MM-1B	60"	21" - 27"
MM-1C	72"	30" - 36"
MM-2A	48"	8" - 18"
MM-2B	60"	21" - 27"
MM-2C	72"	30" - 36"
MM-3A	48"	42"
MM-3B	48"	48"
MM-3C	48"	54"
MM-4A	48"	60"
MM-4B	48"	66"
MM-4C	48"	72"
MM-4D	48"	78"
MM-4E	48"	84"
MM-4F	48"	90"
MM-4G	48"	96"
MM-5A	48"	8" - 30"
MM-5B	60"	13" - 42"
MM-5C	48"	48" - 96"

DO NOT SCALE - USE DIMENSIONS ONLY

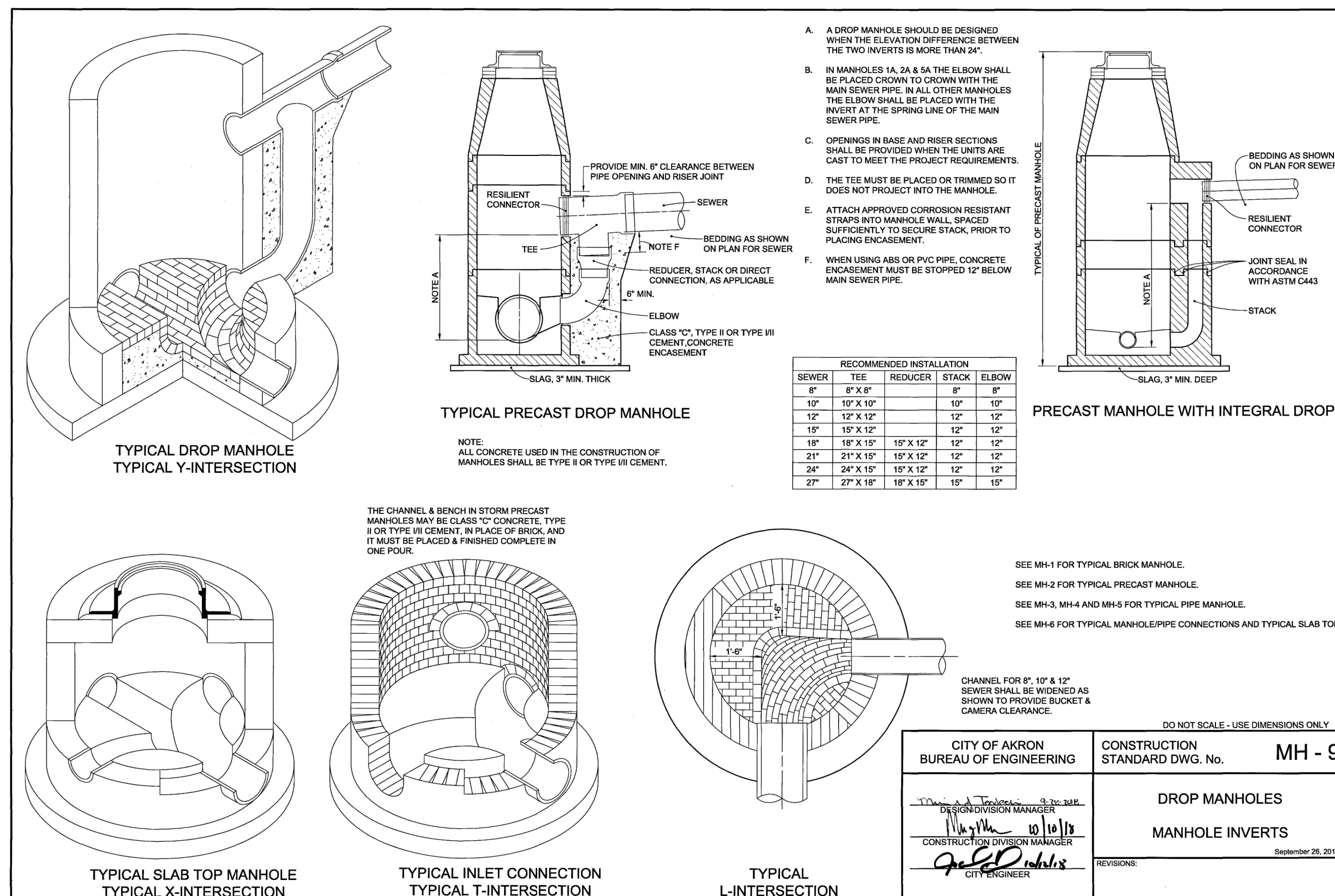
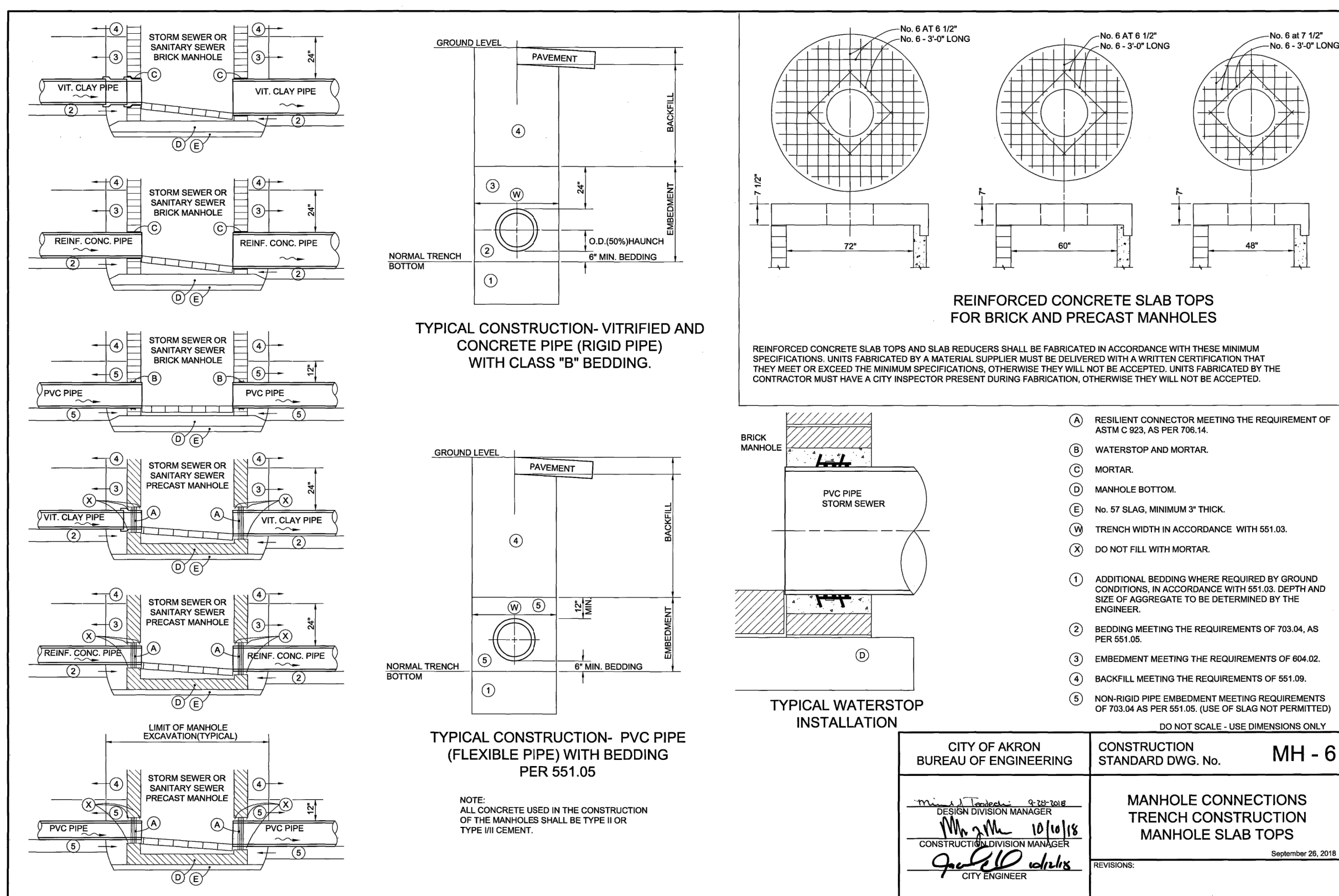
**CITY OF AKRON
BUREAU OF ENGINEERING**

**CONSTRUCTION
STANDARD DWG. No. MH - 8**

SEWER RELATED ITEMS

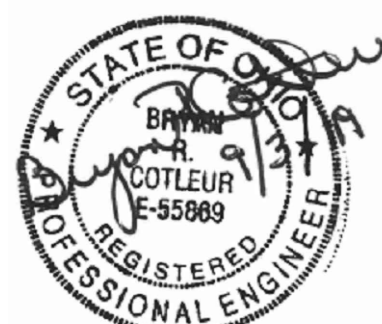
REVISIONS: _____

September 26, 2018





ISSUED FOR BIDDING:
09/05/2019



AKRON

**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

OHIO

**CITY OF AKRON SEWER AND
PAVEMENT RESTORATION DETAILS**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	▲			
DATE: SEPTEMBER 2019		▲			
HORIZ. SCALE: AS SHOWN		▲			
VERT. SCALE: AS SHOWN		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			

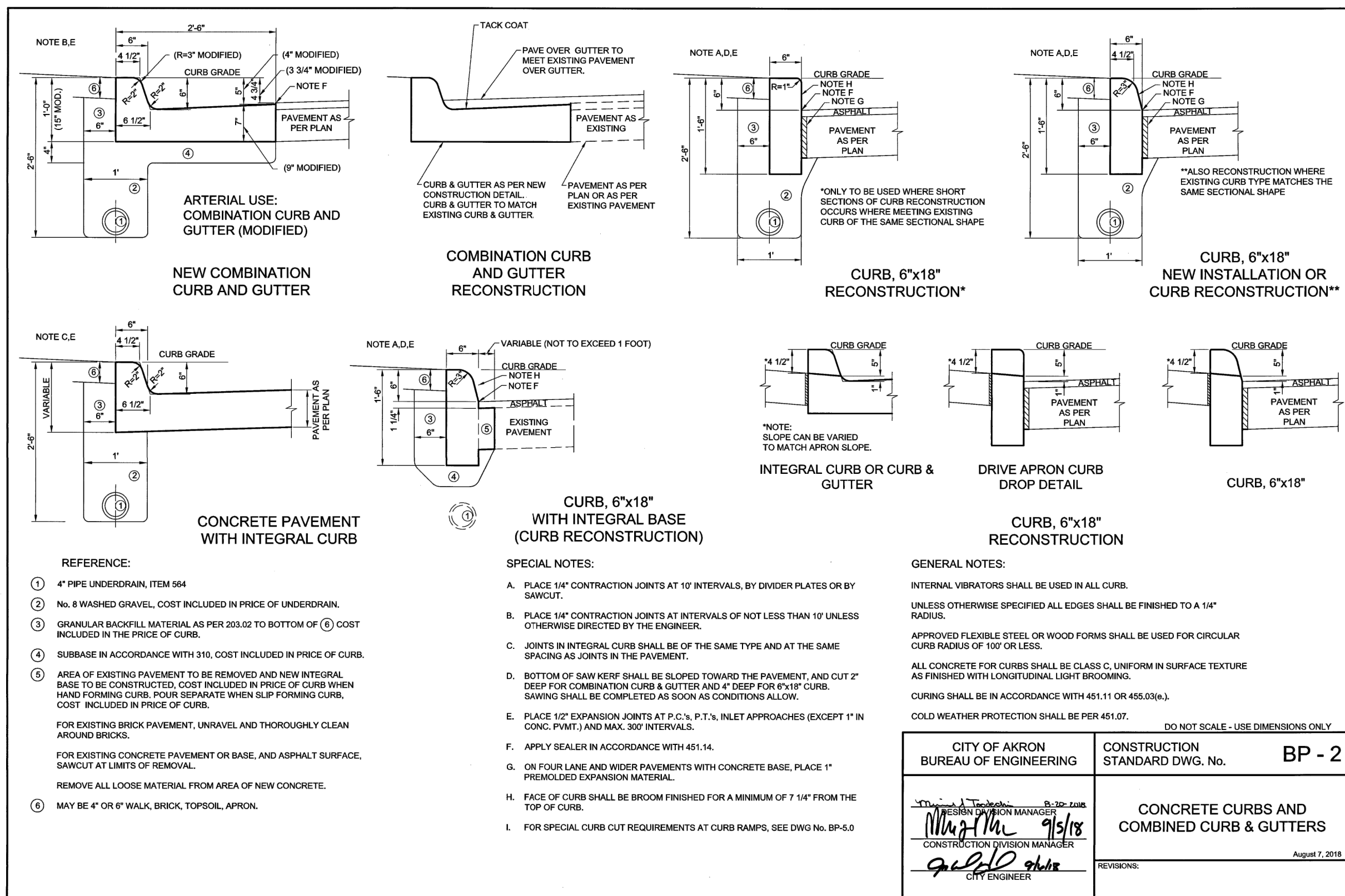
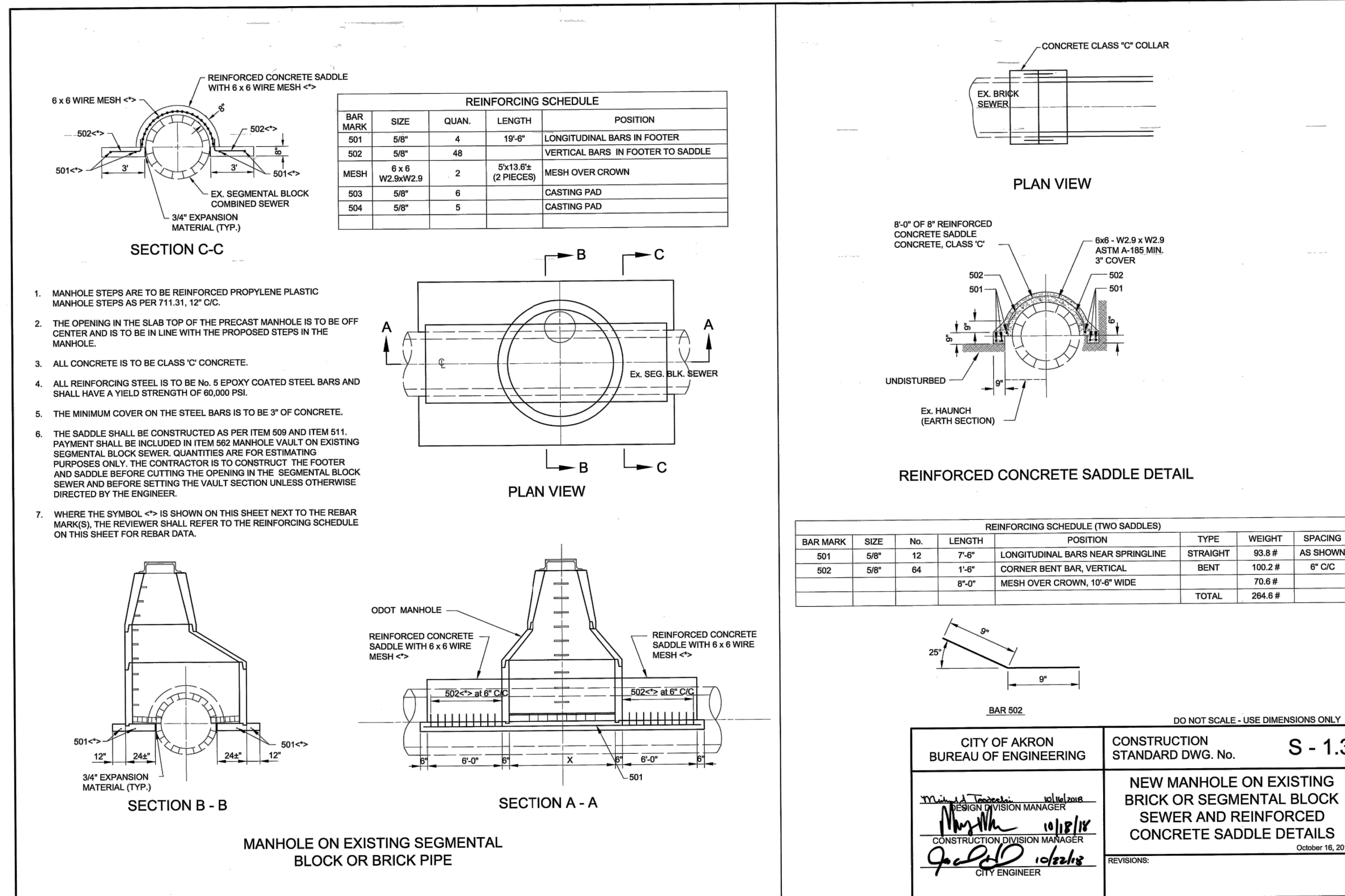
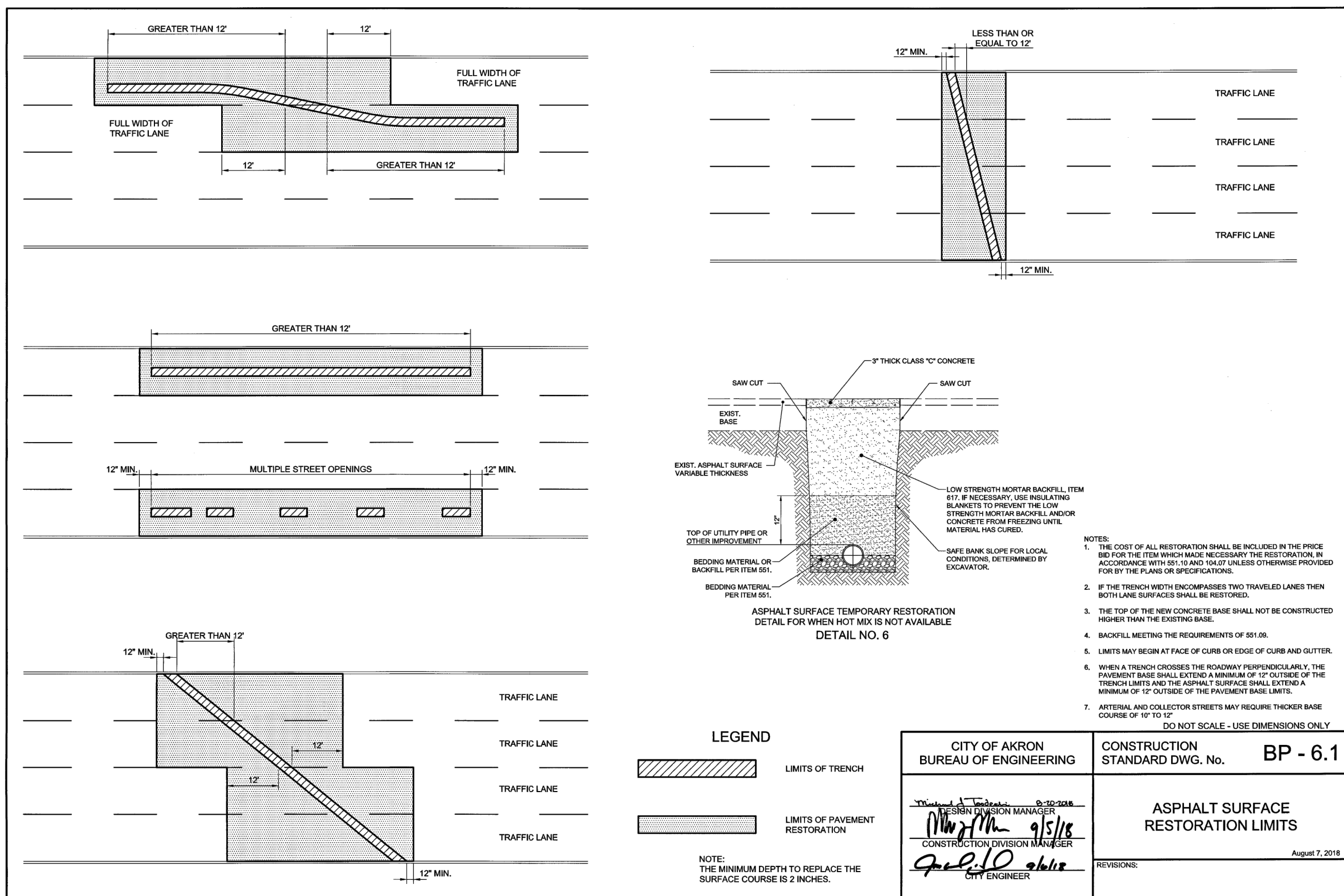
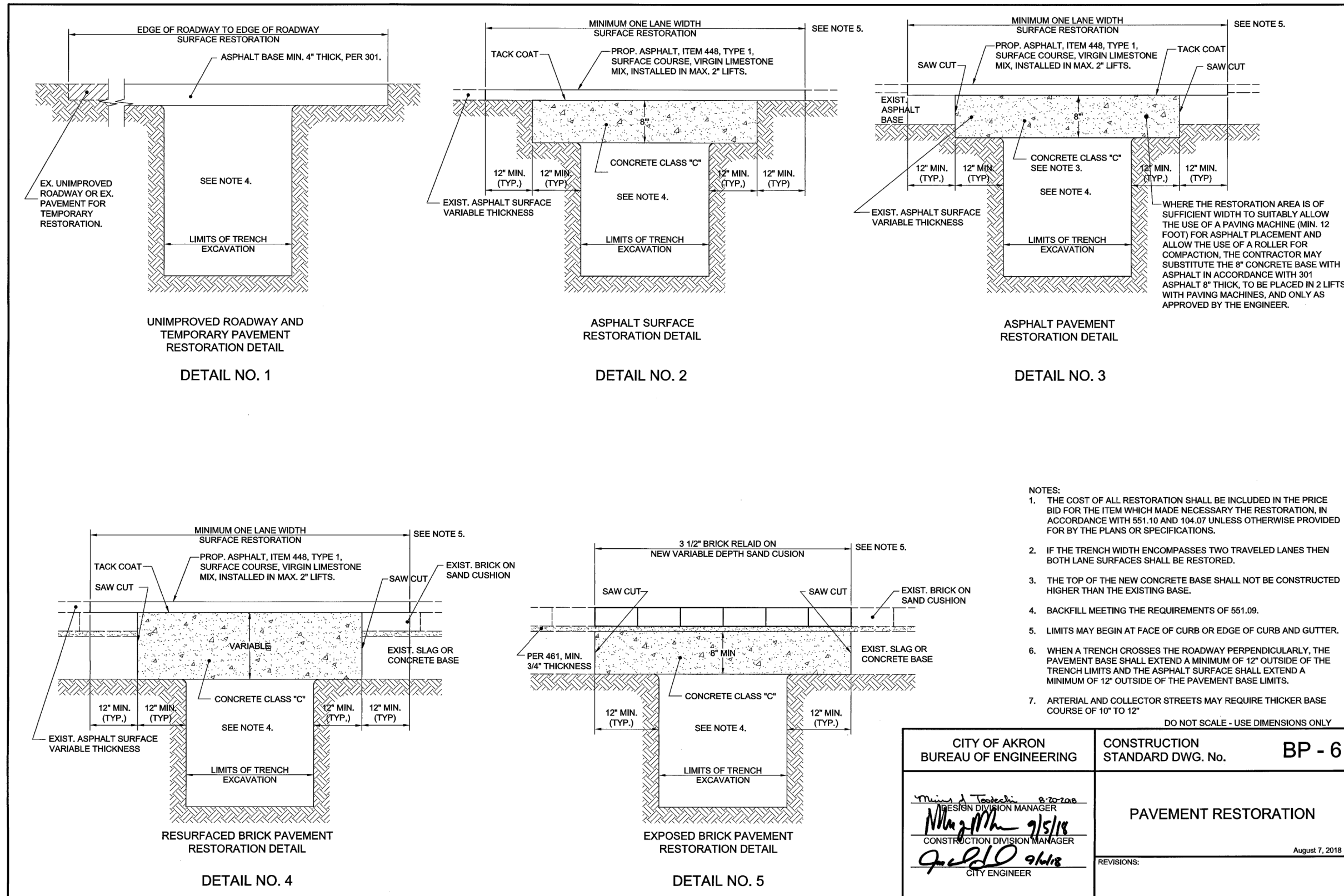
DLZ OHIO, INC

SHEET 26

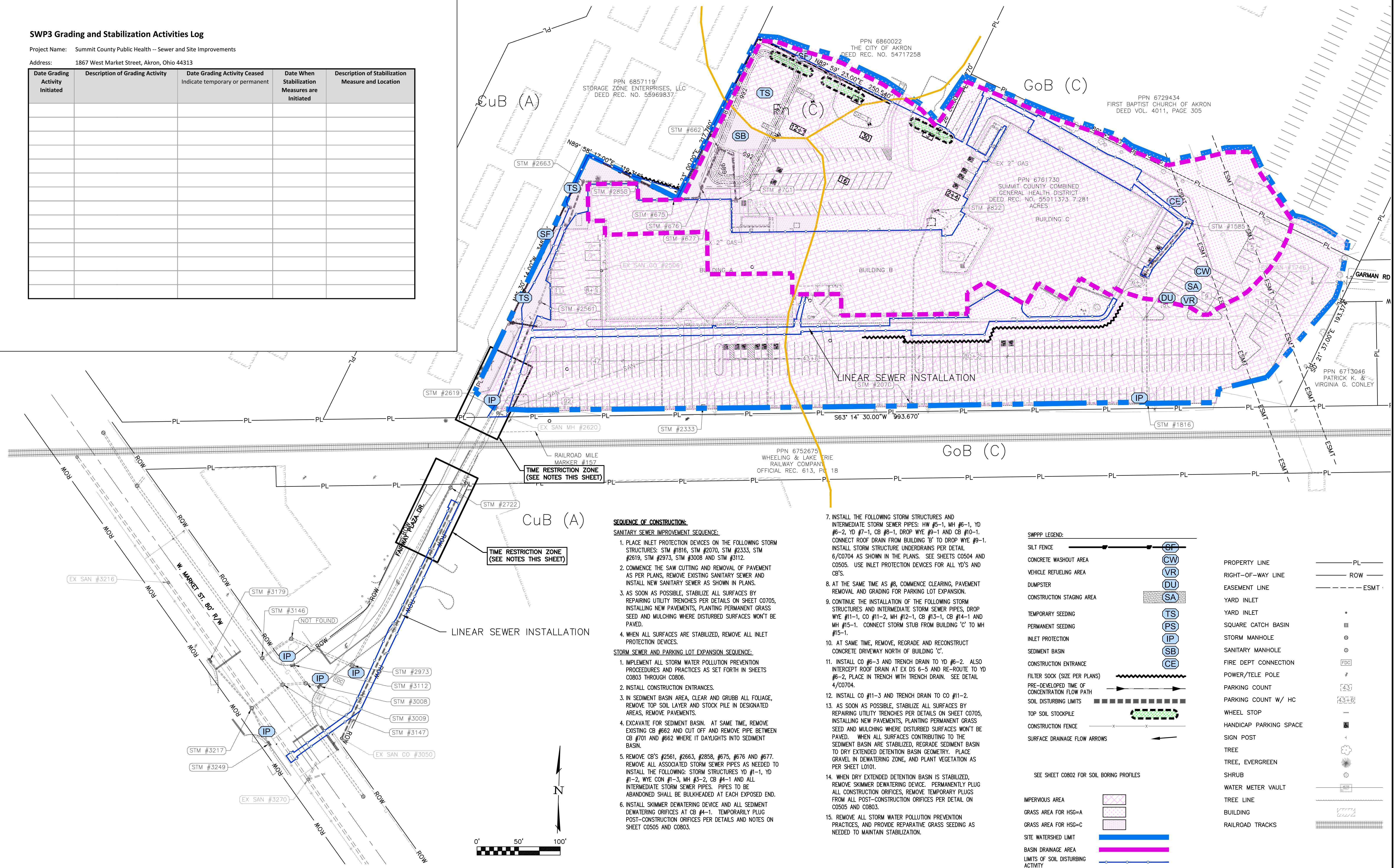
OF 45

DRAWING NUMBER

C0708



Address: 1867 West Market Street, Akron, Ohio 44313

[illegible]

AKRON SUMMIT COUNTY PUBLIC HEALTH OH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

PRE-DEVELOPED STORM WATER POLLUTION PREVENTION PLAN

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	▲			
DATE: SEPTEMBER 2019		▲			
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VERT. SCALE: NONE		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			
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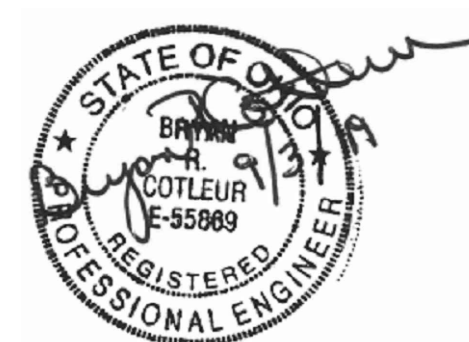
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C0801

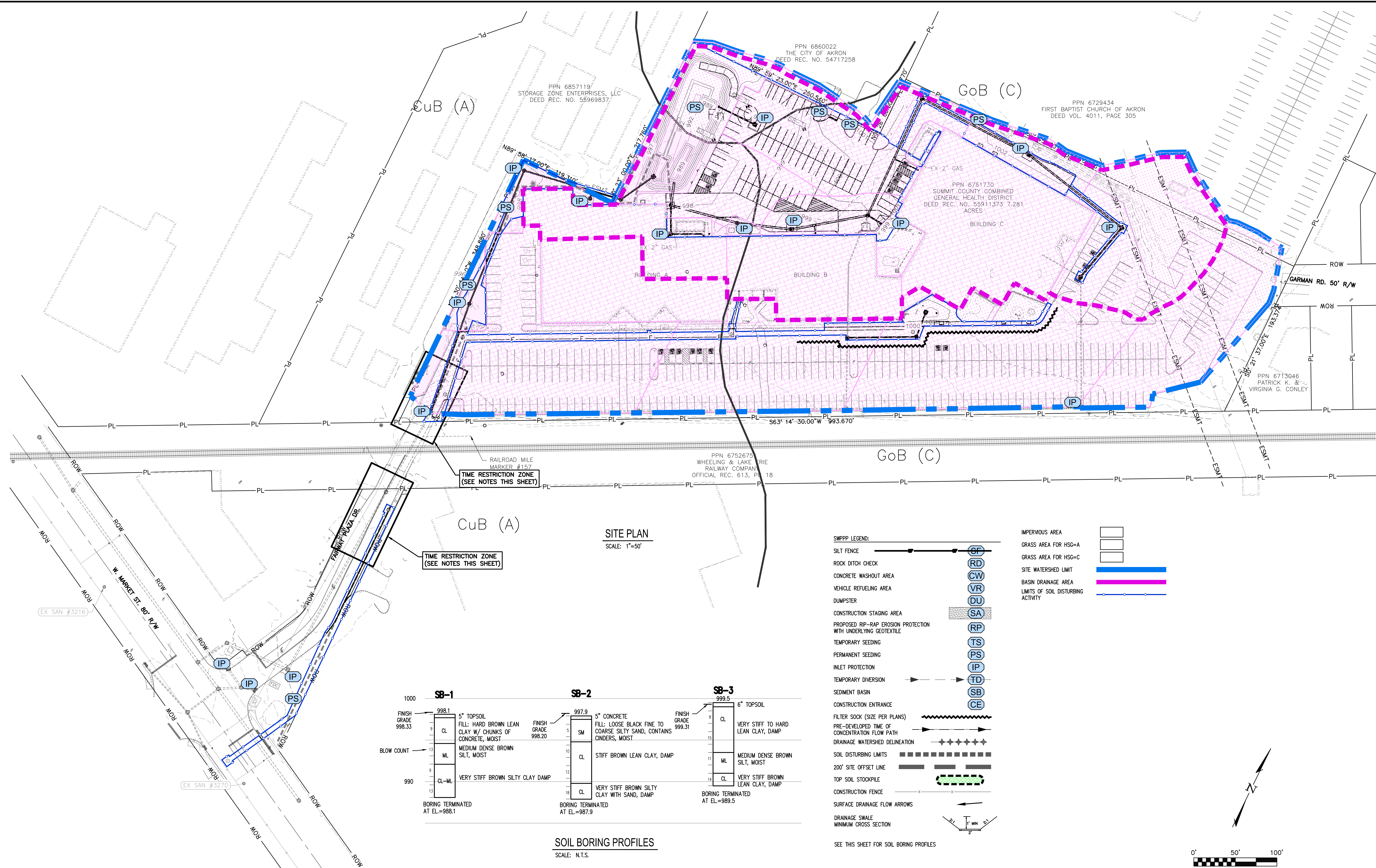
DLZ OHIO, INC



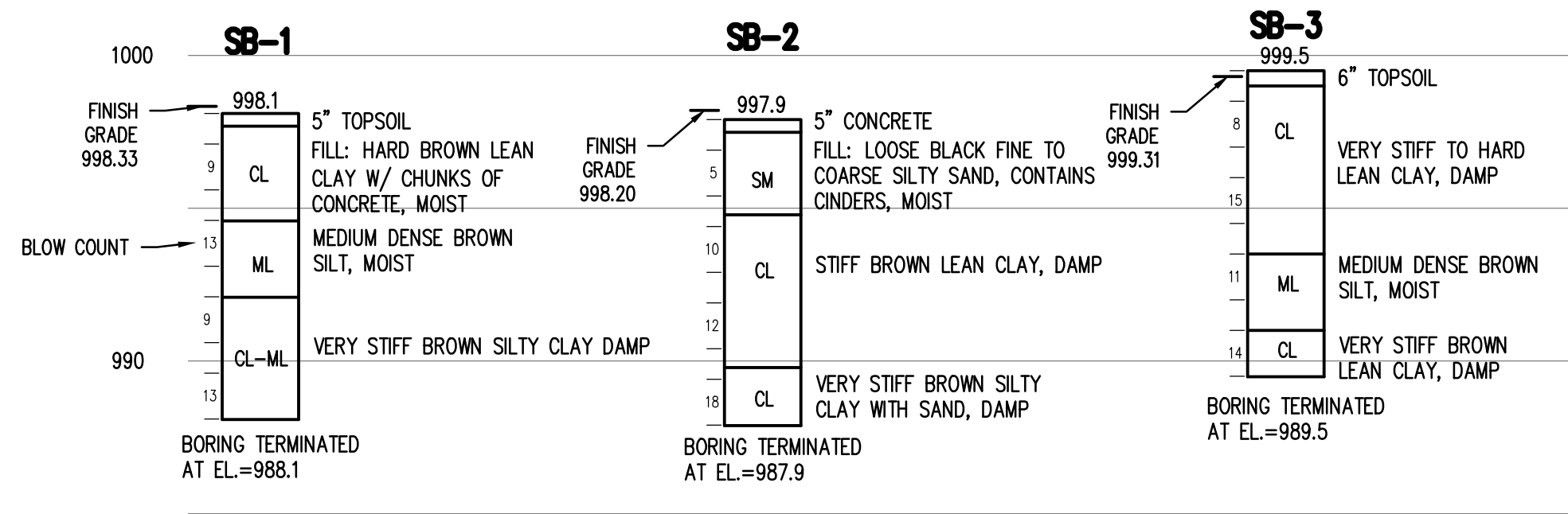
ISSUED FOR BIDDING:
09/05/2019



Date: September 05, 2019, 10:08am
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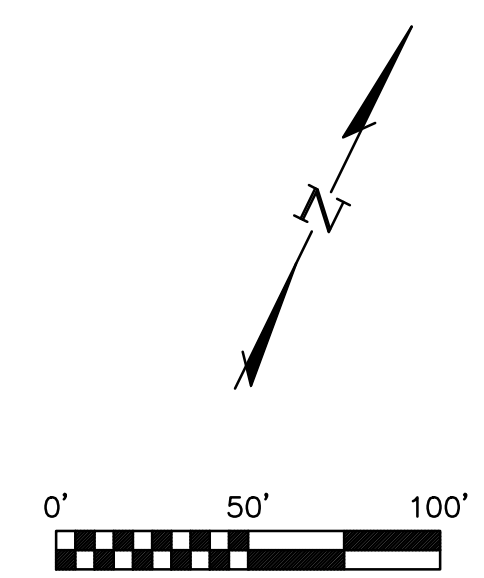
SITE PLAN
SCALE: 1"=50'



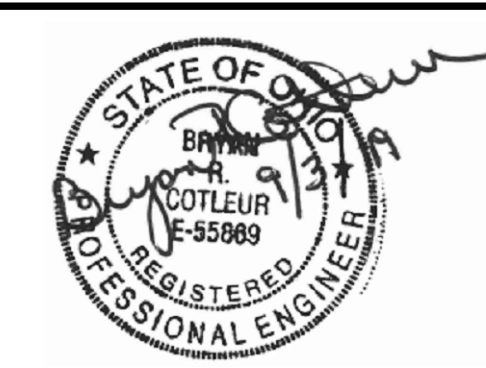
SOIL BORING PROFILES
SCALE: N.T.S.

- SWPPP LEGEND:**
- SILT FENCE
 - ROCK DITCH CHECK
 - CONCRETE WASHOUT AREA
 - VEHICLE REFUELING AREA
 - DUMPSTER
 - CONSTRUCTION STAGING AREA
 - PROPOSED RIP-RAP EROSION PROTECTION WITH UNDERLYING GEOTEXTILE
 - TEMPORARY SEEDING
 - PERMANENT SEEDING
 - INLET PROTECTION
 - TEMPORARY DIVERSION
 - SEDIMENT BASIN
 - CONSTRUCTION ENTRANCE
 - FILTER SOCK (SIZE PER PLANS)
 - PRE-DEVELOPED TIME OF CONCENTRATION FLOW PATH
 - DRAINAGE WATERSHED DELINEATION
 - SOIL DISTURBING LIMITS
 - 200' SITE OFFSET LINE
 - TOP SOIL STOCKPILE
 - CONSTRUCTION FENCE
 - SURFACE DRAINAGE FLOW ARROWS
 - DRAINAGE SWALE
 - MINIMUM CROSS SECTION
- SEE THIS SHEET FOR SOIL BORING PROFILES

- IMPERVIOUS AREA**
- GRASS AREA FOR HSG=A
 - GRASS AREA FOR HSG=C
 - SITE WATERSHED LIMIT
 - BASIN DRAINAGE AREA
 - LIMITS OF SOIL DISTURBING ACTIVITY



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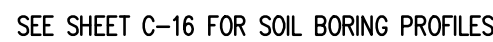


AKRON
SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS
OHIO
POST-DEVELOPED STORMWATER
POLLUTION PREVENTION PLAN

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS				
DATE: SEPTEMBER 2019					
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VERT. SCALE: NONE					
PROJECT NUMBER					
1922-6003-00					

DLZ OHIO, INC

SHEET 28
OF 45
DRAWING NUMBER
C0802



SEDIMENT BASIN

Sediment Storage:

Total Disturbed Area

Contributing Disturbance

Ad times 1000 of r

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398</
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Volume Provided		
75	1	

Dewatering Storage:

Total Contributing Area s.f=

Total Contributing Drainage	1,000
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Ad times 67 cv per Acre (C

Values in Cuba: Four

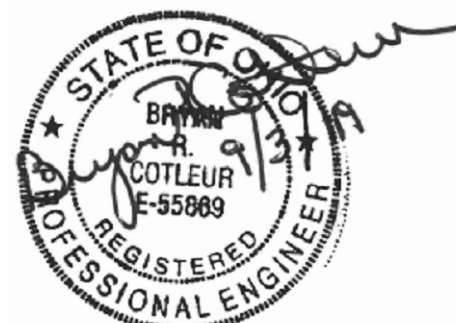
Volume in Cubic Feet—	
Volume in Board Feet—	

Volume Provided—	
773	1

SEDIMENT BASIN CAPACITY	
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SEE FAIRCLOTH SKIMMER DEWATERING DEVICE CALCULATIONS

ISSUED FOR BIDDING:
09/05/2019



KRON

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

SEDIMENT BASIN PLAN, NOTES AND DETAILS

OHIO

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=50'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			
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DLZ OHIO, INC

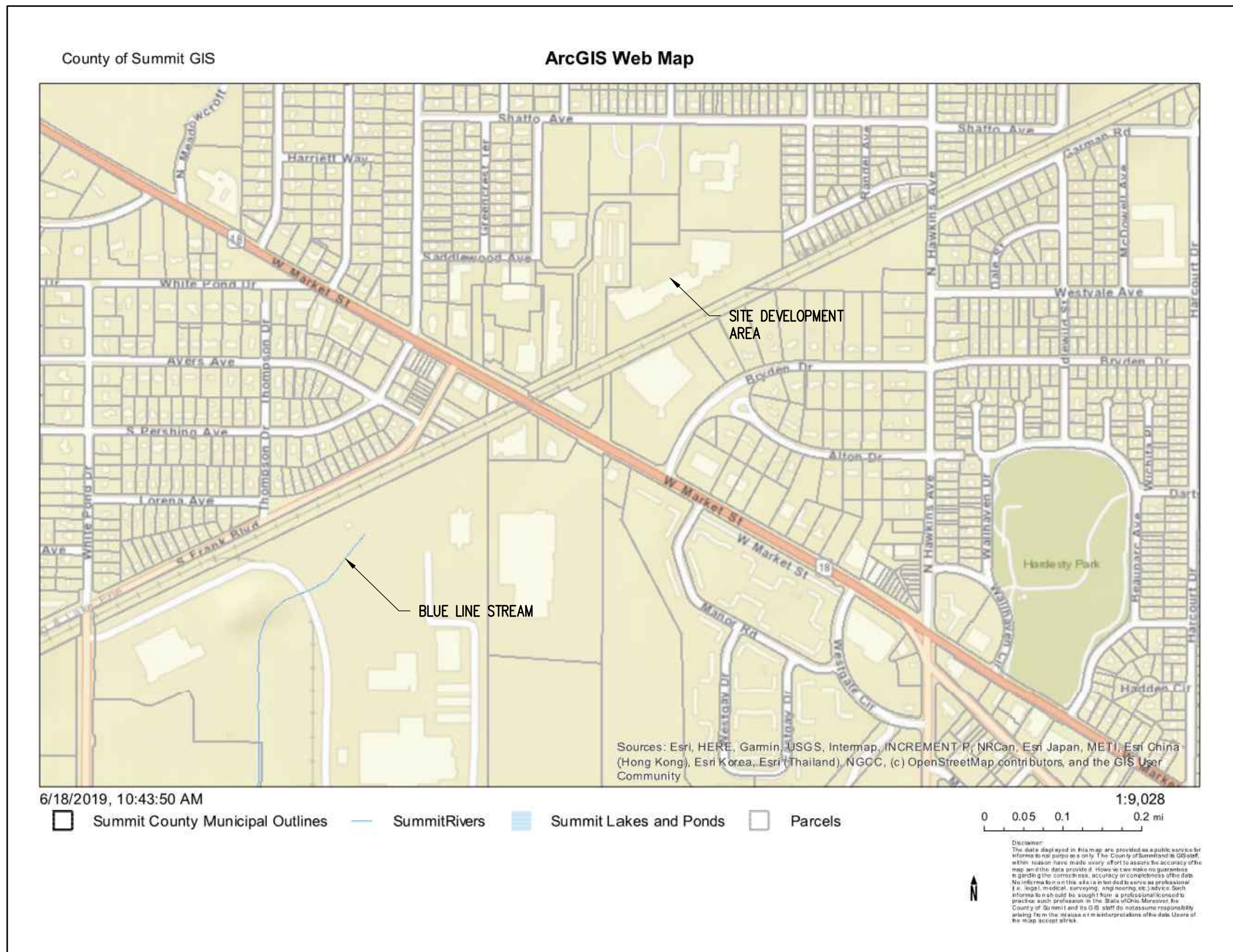
SHEET 29

OF 45

DRAWING NUMBER

C0803

Date: September 05, 2019, 10:05am
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SUMMIT COUNTY GIS WETLANDS, BLUE LINE STREAMS, ETC.

SCALE: PER ABOVE

SITE DESCRIPTION

PROJECT NAME AND LOCATION:

SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER
IMPROVEMENTS
1867 W. MARKET ST.
AKRON, OHIO 44313

OWNER NAME AND ADDRESS:

HEATHER PIERCE
1867 W. MARKET ST.
AKRON, OHIO 44313

DESCRIPTION: (PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES)

THE SUMMIT COUNTY PUBLIC HEALTH (SCPH) FAIRWAY CENTER HAS BEEN EXPERIENCING STORM DRAINAGE ISSUES AROUND THE SITE. BY INVESTIGATION, IT HAS BEEN DETERMINED THAT THE ON-SITE INFRASTRUCTURE IS GROSSLY UNDERSIZED. THE INFRASTRUCTURE CURRENTLY DISCHARGES INTO PUBLIC STORM INFRASTRUCTURE OWNED BY THE CITY OF AKRON AT MARKET STREET. THE PIPES THAT CONVEY THE SITE'S RUNOFF IS ALSO UNDERSIZED. THE CITY WOULD NOT ALLOW ANY INCREASE IN RUNOFF, THEREFORE A STORMWATER DETENTION POND HAS BECOME NECESSARY TO PROVIDE STORAGE WHILE IT DEWATERS. THESE PLANS PROVIDE DESIGN FOR THE UPGRADE OF THE EXISTING ON-SITE INFRASTRUCTURE WITH A DRY EXTENDED DETENTION BASIN. BY RE-ROUTING, 52 PERCENT OF THE SITE WILL BE DETAINED TO THE GREATEST EXTENT POSSIBLE TO OFFSET THE RUNOFF FROM THE REST OF THE SITE. PARKING LOT EXPANSION AND SANITARY SEWER IMPROVEMENTS HAVE BEEN INCLUDED IN THIS PROJECT TO IMPROVE THE SITE FUNCTIONALITY.

DURING CONSTRUCTION, ALL DISTURBED SURFACES WILL BE PROTECTED BY TEMPORARY SEEDING AS PER NOTES ON SHEET C0806. WHEN BROUGHT TO FINAL GRADE, ALL SURFACES WILL BE PLANTED WITH PERMANENT SEEDING.

SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN PRIOR TO RESHAPING FOR THE POST CONSTRUCTION BASIN FOR THE NEMF SITE.

SITE AREA:

THE COMBINED SITES TOTAL AREA OF 3.63 ACRES WILL ALL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

SOIL TYPES AND CLASSIFICATIONS:

AS PER THE USDA SOIL SURVEY, THE ENTIRE SITE, AND ALL CONTRIBUTING AREAS TO THE TWO PONDS HAVE A SOILS WITH A HYDROLOGIC SOIL GROUP OF D.

CuB CHILI--URBAN LAND COMPLEX, UNDULATING A
Fn FITCHVILLE--URBAN LAND COMPLEX (0-2% SLOPE) C/D
GoB GLENFORD--URBAN LAND COMPLEX (0-2% SLOPE) C/D

A GEOTECHNICAL EXPLORATION HAS BEEN PERFORMED BY DLZ. THE SOIL BORINGS ARE SHOWN ON SHEET C-01 AND C-09. SEE SHEET C0802 FOR SOIL BORING PROFILES.

THE SUMMIT COUNTY SOIL AND WATER REQUIRES DETENTION PER THE SCS METHOD PRESCRIBED IN USDA'S TR-55, URBAN HYDROLOGY FOR SMALL WATERSHEDS. WHERE THE DRAINAGE AREA'S CURVE NUMBER INCREASES WITH THE DEVELOPMENT, DETENTION MUST BE PROVIDED PER THE CRITICAL STORM METHOD.

THE TOTAL EXISTING SITE DRAINAGE AREA IS 7.28 ACRES. IT HAS A WEIGHTED COEFFICIENT OF RUNOFF OF 0.76, AND WEIGHTED CURVE NUMBER OF 90.85. THE SITE IS 78.1 PERCENT IMPERVIOUS.

THE PROPOSED SITE WILL BE DIVIDED INTO TWO. THE TOTAL AREA THAT HAS BEEN REROUTED TO THE BASIN IS 3.80 ACRES. THE TOTAL AREA THAT WILL RUNOFF UNDETAINED IS 3.48 ACRES. THE PROPOSED SITE WILL HAVE A COMBINED WEIGHTED COEFFICIENT OF RUNOFF OF 0.77, AND A WEIGHTED CURVE NUMBER OF 91.21. THE PROPOSED SITE IS 79.8 PERCENT IMPERVIOUS. SINCE THE SITE IS INCREASING IN IMPERVIOUSNESS RESULTING FROM THESE IMPROVEMENTS, DETENTION WOULD BE REQUIRED PER THE CRITICAL STORM METHOD. THE CRITICAL STORM FOR THIS IMPROVEMENT WOULD BE THE 1-YEAR STORM. THE 5-YEAR DEVELOPED RUNOFF HAS BEEN REDUCED TO LESS THAN THE 1-YEAR EXISTING RUNOFF. IN ADDITION, THE POND HAS BEEN DESIGNED TO DETAIN THE 100-YEAR STORM.

NAME OF RECEIVING WATERS:

THE SITE DRAINS SOUTH ALONG FAIRWAY PLAZA DRIVE THROUGH 21" PIPES TO THE 30" STORM SEWER LOCATED IN WEST MARKET STREET. THIS SYSTEM DRAINS INTO HANDS LATERAL DRAINAGE DITCH WHICH DRAINS INTO TOWARDS THE SOUTH UNDER THE ACCESS DRIVE. THE PROPOSED CONDITIONS WILL MAINTAIN THE EXISTING DRAINAGE DIRECTION. THIS PIPE DISCHARGES INTO A SERIES OF DRAINAGE SWALES AND CULVERTS THAT END UP IN AN UNNAMED STREAM THAT DISCHARGES INTO NORTH FORK YELLOW CREEK, WHICH DISCHARGES INTO YELLOW CREEK, WHICH DISCHARGES INTO THE CUYAHOGA RIVER, WHICH DRAINS INTO LAKE ERIE.

CONTROLS

EROSION AND SEDIMENT CONTROLS:

STABILIZATION PRACTICES

- B. Soil Stabilization.** Stabilization of disturbed areas shall, at a minimum, be initiated in accordance with the time frames specified in the following tables.

Table 1: Permanent Stabilization

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the state and at final grade	Within two days of reaching final grade
Other areas at final grade	Within seven days of reaching final grade within that area

Table 2: Temporary Stabilization

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbed areas within 50 feet of a surface water of the state and not at final grade	Within two days of the most recent disturbance if the area will remain idle for more than 14 days
Any disturbed areas that will be dormant for more than 14 days but less than one year, and not within 50 feet of a surface water of the state	Within seven days of the most recent disturbance within the area
	For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s).
Disturbed areas that will be idle over winter	Prior to the onset of winter weather

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, AND

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:	VARNISHES
1. CONCRETE	6. CLEANING SOLVENTS
2. FERTILIZERS	7. METAL STUDS
3. DETERGENTS	8. LUMBER AND TIMBER
4. PETROLEUM BASED PRODUCTS	9. ASPHALT
5. PAINTS AND	10. MASONRY BLOCK
	11. TAR
	12. ROOFING MATERIALS
	13. OTHER POTENTIAL MATERIALS NOT LISTED

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

- THE SITE SUPERINTENDENT WILL SELECT A "QUALIFIED INSPECTION PERSONNEL" (QIP) TO BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, REPAIR ACTIVITIES, AND COMPLETING INSPECTION AND MAINTENANCE REPORT CHECKLISTS.
- A MAINTENANCE INSPECTION REPORT CHECKLIST IS TO BE COMPLETED AFTER EACH INSPECTION, AND SHALL BE SIGNED BY THE QIP.
- ALL SIGNED INSPECTION AND MAINTENANCE REPORT CHECKLISTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES.
- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD.
- ALL SEDIMENT PONDS NEEDING REPAIR OR TO BE CLEANED OUT SHALL BE DONE SO WITHIN 10 DAYS OF THE INSPECTION. ALL NON-SEDIMENT POND BMP'S THAT REQUIRE REPAIR OR MAINTENANCE SHALL BE REPAIRED AND MAINTAINED WITHIN 3 DAYS OF THE INSPECTION.
- ALL BMP'S NOT MEETING THE INTENDED FUNCTION SHALL BE REPLACED WITH A ANOTHER, MORE APPROPRIATE CONTROL PRACTICE THAT WILL PROVIDE THE NECESSARY FUNCTION WITHIN 10 DAYS OF THE INSPECTION.
- ALL MISSING BMP'S THAT ARE REQUIRED BY THE SWPPP SHALL BE NOTED IN THE REPORT BY THE QIP AND INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWP3 SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE VEHICLE TRACKING.
- BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE AND FILTER SOCK WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE/STOCK.
- SILT FENCE TO BE INSPECTED TO DETERMINE SEDIMENT DEPTH, TEARS, FABRIC SECURELY ATTACHED TO THE POSTS, AND POSTS ARE FIRMLY IN THE GROUND.
- TEMPORARY/PERMANENT SEEDING AND PLANTING ARE TO BE INSPECTED ON A WEEKLY BASIS FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

NON-STORMWATER DISCHARGES:

IT IS EXPECTED THAT THE FOLLOWING NON-STORM DISCHARGES ARE LIKELY TO OCCUR DURING CONSTRUCTION:

- WATER FROM WATER LINE FLUSHINGS.
- PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
- UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES: THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING:

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER SECURE ENCLOSURE. PRODUCTS SHALL ALSO BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. SUBSTANCES ARE NOT TO BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

THE FOLLOWING PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. ALL PRODUCTS ARE TO BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA MUST BE RETAINED AS THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL, STATE, AND FEDERAL RECOMMENDED PROCEDURES FOR PROPER DISPOSAL SHALL BE FOLLOWED.

SOIL PROTECTION CHART

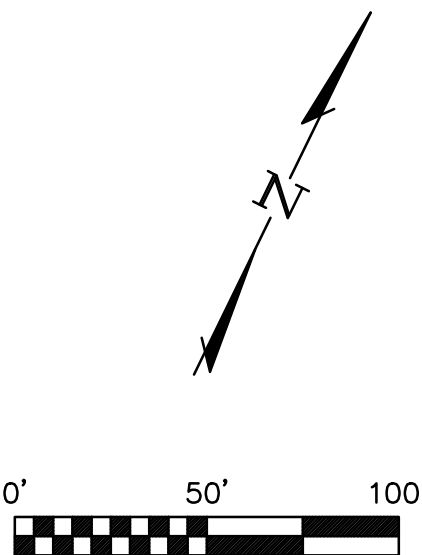
STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING												
DORMANT SEEDING												
TEMPORARY SEEDING												
SODDING												
MULCHING												

* -- IRRIGATION NEEDED
** -- IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

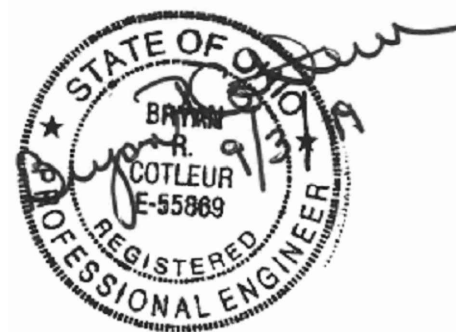
GENERAL NOTES:

- A NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE OHIO EPA FOR NPDES PERMIT 14 DAYS PRIOR TO THE START OF CLEARING OR GRADING OPERATION.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE OHIO EPA REQUIREMENTS.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE CURRENT OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF SOIL AND WATER CONSERVATION RAINWATER AND LAND DEVELOPMENT MANUAL. OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
- REGULAR INSPECTION AND MAINTENANCE MUST BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL STORM INLETS/CATCH BASINS THAT ARE MADE OPERATIONAL DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

CONTINUED ON C0805



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

STORM WATER POLLUTION PREVENTION NOTES & DETAILS

DRAWN:	CHK'D:	NO.
DESIGNED:	APPR'D: BMS	
DATE: SEPTEMBER 2019		
HORIZ. SCALE: 1"=50'		
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PROJECT NUMBER		
1922-6003-00		

REVISION	BY	DATE

SHEET	30
OF	45
DRAWING NUMBER	C0804

DLZ OHIO, INC

Date: September 05, 2019, 10:02am
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GENERAL NOTES CONTINUED (PRODUCT SPECIFIC PRACTICES)

THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED WHILE ONSITE:

PETROLEUM PRODUCTS – ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS MUST BE STORED IN APPROVED SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE ARE TO BE APPLIED ACCORDING TO THE MANUFACTURER’S RECOMMENDATIONS.

FERTILIZERS – FERTILIZERS USED SHALL BE APPLIED IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE OF ALL MATERIAL SHALL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER MUST BE TRANSFERRED TO A SEALABLE CONTAINER, MADE OF A SUITABLE MATERIAL TO PREVENT SPILLS.

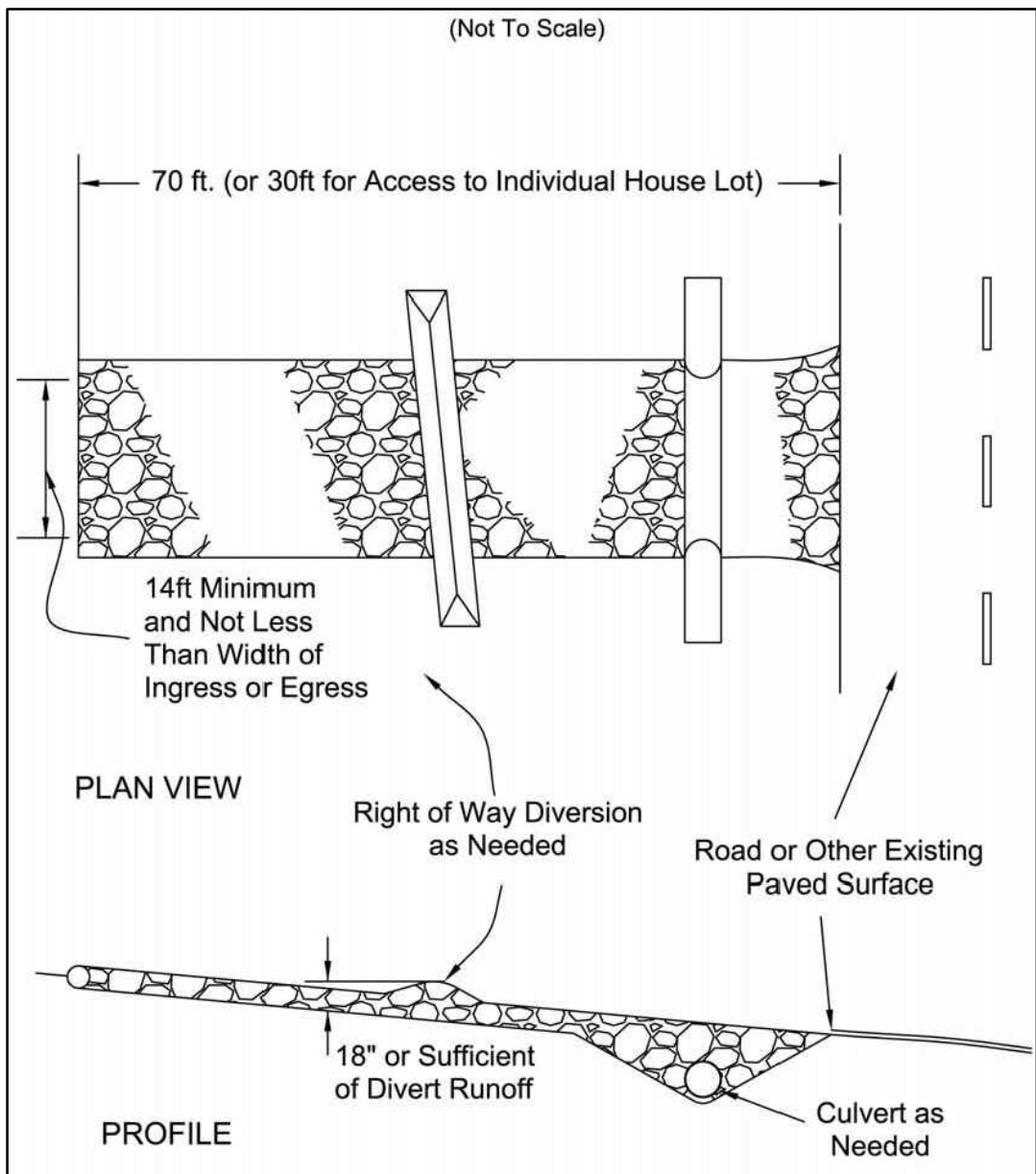
PAINTS – ALL CONTAINERS SHALL BE TIGHTLY SEALED AND PROPERLY STORED WHEN NOT IN USE. EXCESS PAINT IS NOT BE DISCHARGED TO THE STORM SEWER SYSTEM, BUT PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS’ INSTRUCTIONS OR STATE, LOCAL, OR FEDERAL REGULATIONS.

CONCRETE TRUCKS – CONCRETE TRUCKS SHALL ONLY WASH OUT SURPLUS CONCRETE OR DRUM WASH WATER INTO DESIGNATED CONCRETE WASHOUT AREAS.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

1. THE MANUFACTURERS’ RECOMMENDED METHODS FOR SPILL CLEANUP MUST POSTED AT ALL TIMES AND SITE PERSONNEL SHALL BE AWARE OF THE PROCEDURES AND LOCATION OF INFORMATION AND CLEANUP SUPPLIES.
2. THE MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, INDUSTRIAL SPILL ABSORBSION MATERIAL, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. ALL SPILLS WILL ARE TO BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. TOXIC OR HAZARDOUS MATERIAL SPILLS OR EXPOSURES MUST BE REPORTED TO THE APPROPRIATE AUTHORITIES IMMEDIATELY, REGARDLESS OF SIZE. THE SPILL PREVENTION PLAN SHALL BE UPDATED TO INCLUDE PROCEDURES FOR PREVENTING ANY REOCCURANCE ALONG WITH PROVEN SUCCESSFUL CLEAN–UP PROCEDURES.
5. THE NAMES OF ALL PERSONNEL GIVEN THE RESPONSIBILITY OF HAZARDOUS MATERIAL CLEANUPS SHALL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE CONSTRUCTION OFFICE.



1. STONE SIZE--ODOT # 2 (1.5–2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
3. THICKNESS --THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH --THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE --A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT–PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:
6. TIMING--THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT --A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR --A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE --TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF–SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION–SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL--THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

CONSTRUCTION ENTRANCE

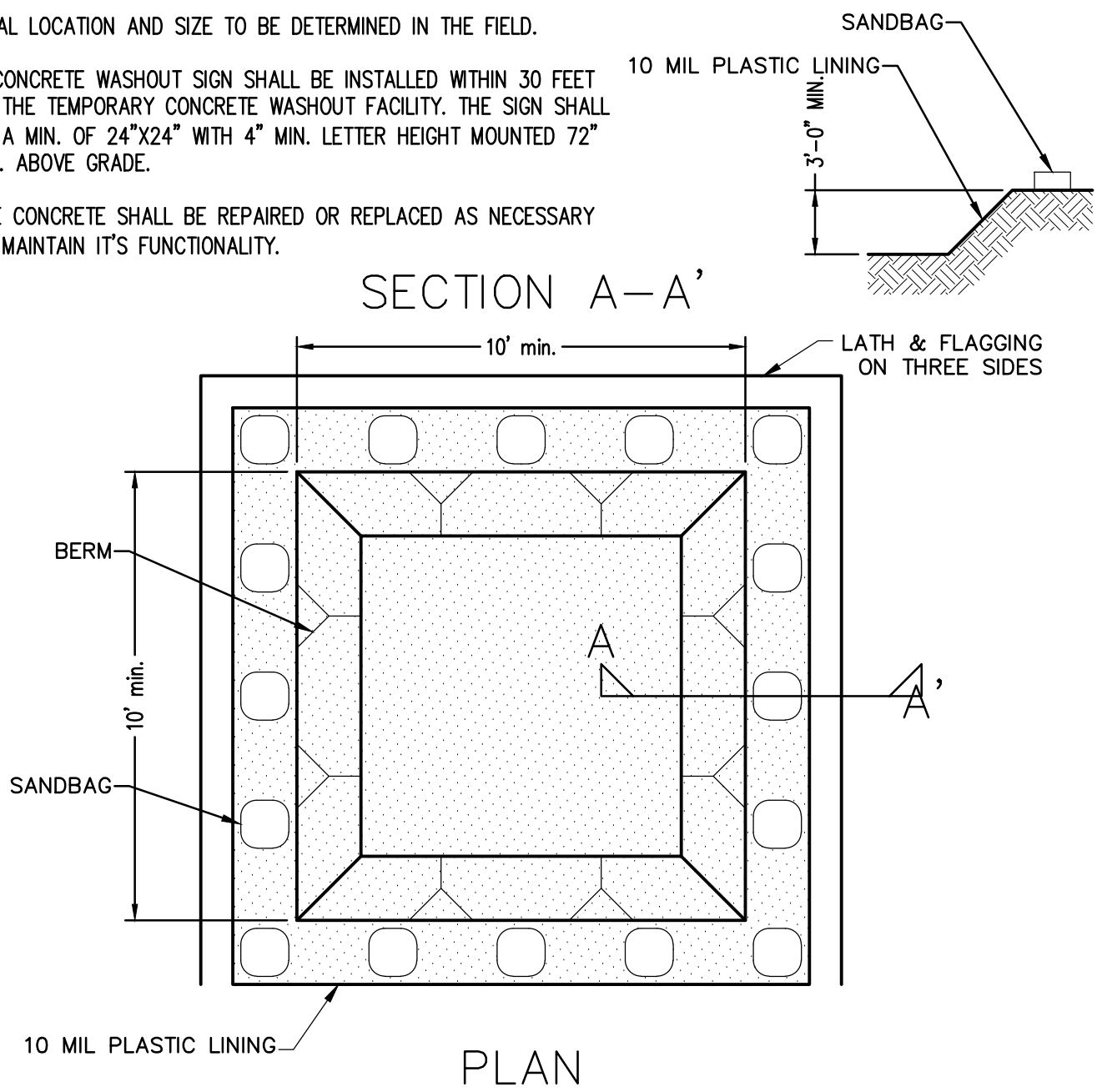
SCALE: N.T.S.

DESCRIPTION:

A CONCRETE WASH OUT AREA IS A STABILIZED LINED COLLECTION AREA WHERE TRUCKS, PANS AND TOOLS CAN BE WASHED OFF AFTER WORKING WITH CONCRETE.

NOTES:

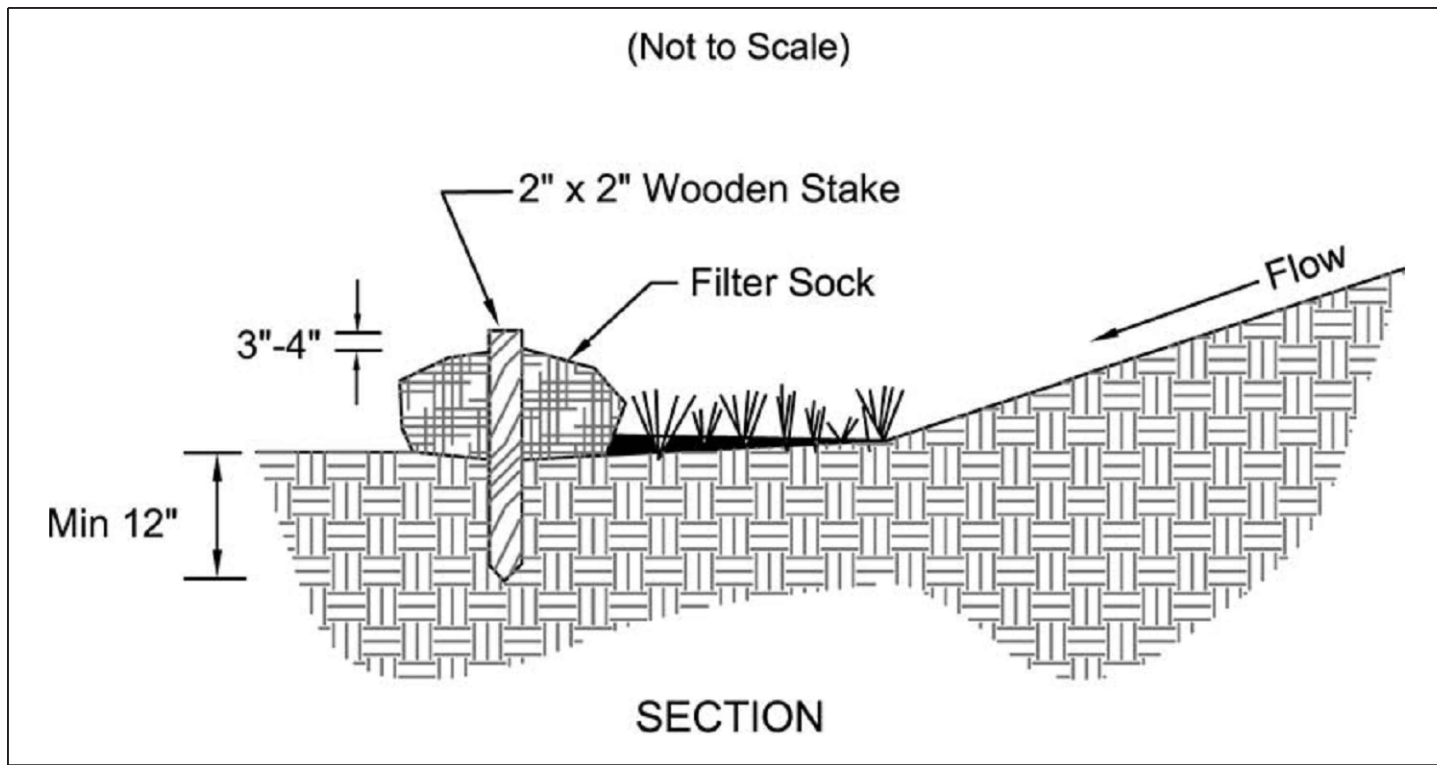
1. FINAL LOCATION AND SIZE TO BE DETERMINED IN THE FIELD.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY. THE SIGN SHALL BE A MIN. OF 24"x24" WITH 4" MIN. LETTER HEIGHT MOUNTED 72" MIN. ABOVE GRADE.
3. THE CONCRETE SHALL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN IT'S FUNCTIONALITY.



PLAN

CONCRETE WASHOUT AREA

SCALE: N.T.S.



1. MATERIALS – COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL–DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
2. FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HOPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

INSTALLATION:

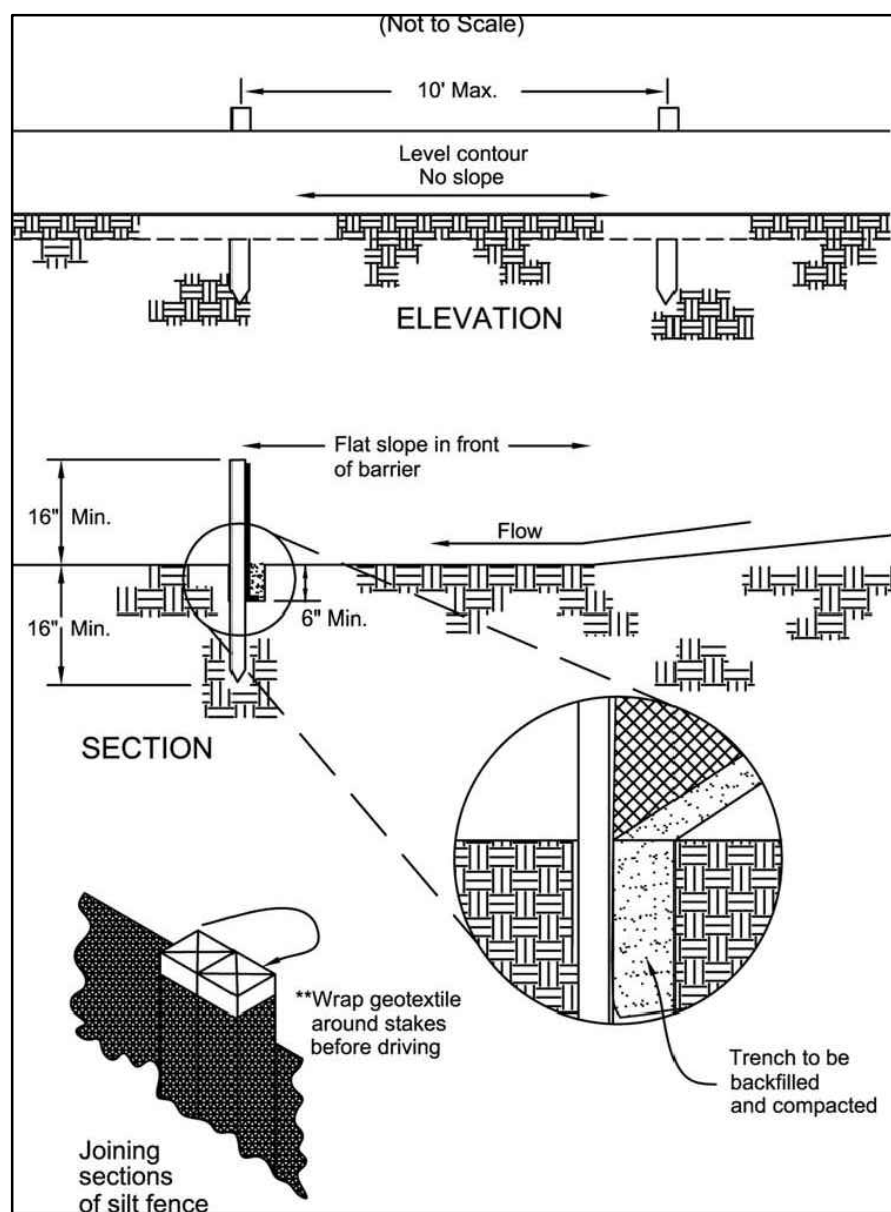
3. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID– SLOPE.
4. FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
5. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:

6. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
7. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
8. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
9. REMOVAL – FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH AS WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

FILTER SOCK

SCALE: N.T.S.



1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND, (SEE DETAILS).
10. MAINTENANCE--SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVER– TOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE–HALF OF THE HEIGHT OF THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS

1. FENCE POST – THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2–BY–2–IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.

2. SILT FENCE FABRIC – SEE CHART BELOW.

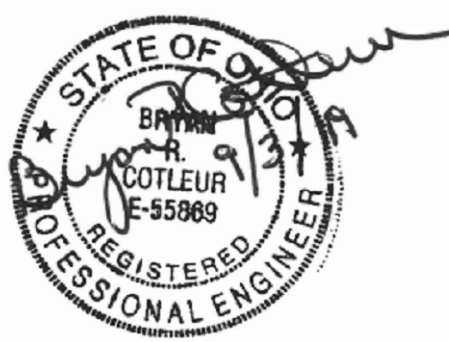
Table 6.3.2 Minimum Criteria for Silt Fence Fabric (ODOT 2002)		
FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs. (535 N)	ASTM D 4632
Maximum Elongation at 60 lbs	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (220 N)	ASTM D 4833
Minimum Tear Strength	40 lbs (180 N)	ASTM D 4533
Aparent Opening Size	<= 0.84 mm	ASTM D 4751
Minimum Permittivity	1x10-2 sec.-1	ASTM D 4491
UV Exposure Strength Retention	70%	ASTM G 4355

SILT FENCE

SCALE: N.T.S.



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

STORM WATER POLLUTION
PREVENTION NOTES & DETAILS

DRAWN:	CHK'D:	NO.
DESIGNED:	APPRV'D: BMS	
DATE: SEPTEMBER 2019		
HORIZ. SCALE: 1"=50'		
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REVISION	BY	DATE

DLZ OHIO, INC

SHEET 31

OF 45

DRAWING NUMBER

C0805

Date: September 05, 2019, 10:01am
File: X:\Projects\GFL\2019\1922\600300 SCHD Fairway Ctr\Site Civil\Phase II--Site & Sewer\C0806.dwg

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1. VEGETATIVE COVER AND/MULCH – APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 21 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING – SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3. SPRAY-ON ADHESIVES – APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

Adhesive	Water Dilution (Adhesive: Water)	Nozzle Type	Application Rate Gal./Ac.
Latex Emulsion	12.5:1	Fine	235
Resin in Water Acrylic Emulsion (No-traffic)	4:01	Fine	300
Acrylic Emulsion (No-traffic)	7:01	Coarse	450
Acrylic Emulsion (Traffic)	3.5:1	Coarse	350

- DHESIVES FOR DUST CONTROL
4. STONE – GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
5. BARRIERS – EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
6. CALCIUM CHLORIDE – THIS CHEMICAL MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIERS' SPECIFIED RATES.
7. OPERATION AND MAINTENANCE – WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.

STREET CLEANING – PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET TYPE ENDLOADER OR SCRAPER.

DUST CONTROL

SCALE: N.T.S.

1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
- STRAW – STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ.FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.
 - HYDROSEEDERS – WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
 - OTHER – ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10–20 TONS/AC.
3. MULCH ANCHORING – MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
- MECHANICAL – USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
 - MULCH NETTINGS – USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
 - SYNTHETIC BINDERS – FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
 - WOOD CELLULOSE FIBER – WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

MULCHING

SCALE: N.T.S.

1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
- PREVENT SPILLS
 - USE PRODUCTS UP
 - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
 - REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
 - RECYCLE WASTES WHENEVER POSSIBLE
 - DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
 - DON'T POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
 - DON'T BURY CHEMICALS OR CONTAINERS
 - DON'T BURN CHEMICALS OR CONTAINERS
 - DON'T MIX CHEMICALS TOGETHER

2. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE CONTAINERS MUST BE COVERED WITH A WATERPROOF TARP IN ADDITION TO THE WASTE CONTAINERS LID. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT AN OHIO EPA APPROVED CD&D LANDFILL.

3. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE. BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE, SOIL) MAY BE UTILIZED IN A WAY WHICH DOES NOT ENCROACH UPON NATURAL WETLANDS, STREAMS OR FLOOD-PLAINS OR RESULT IN THE CONTAMINATION OF WATERS OF THE STATE.

4. HANDLING CONSTRUCTION CHEMICALS, MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.

5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE DISPOSED OF IN ACCORDANCE WITH ITEM 8.

6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE, A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES.

7. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378). SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA, WOOSTER FIRE DEPARTMENT (330-263-5266), AND THE WAYNE COUNTY EMA (330-262-9817) WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO OHIO EPA.

8. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY. (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). NOTE THAT STORM WATER RUN-OFF ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER OHIO EPA'S GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

9. NO OPEN BURNING WILL BE PERMITTED ON THIS PROJECT.

10. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.

11. OTHER AIR PERMITTING REQUIREMENTS: CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC OHIO EPA AIR PERMITS FOR INSTALLATION AND OPERATION. OPERATORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING DISTRICT OF OHIO EPA. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO OHIO EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.

12. PROCESS WASTE WATER/LEACHATE MANAGEMENT. OHIO EPA'S CONSTRUCTION GENERAL PERMIT UNILY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE, CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTIC IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.

13. A PERMIT TO INSTALL (PTI) IS REQUIRED PRIOR TO THE CONSTRUCTION OF ALL CENTRALIZED SANITARY SYSTEMS, INCLUDING SEWER EXTENSIONS, AND SEWERAGE SYSTEMS (EXCEPT THOSE SERVING ONE, TWO, AND THREE FAMILY DWELLINGS) AND POTABLE WATER LINES. PLANS MUST BE SUBMIT TED AND APPROVED BY OHIO EPA. ISSUANCE OF AN OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT DOES NOT AUTHORIZE THE INSTALLATION OF ANY SEWERAGE SYSTEM WHERE OHIO EPA HAS NOT APPROVED A PTI.

ADDITIONAL CONSTRUCTION SITE POLLUTION PREVENTION

SCALE: N.T.S.

SPECIFICATIONS FOR PERMANENT SEEDING SITE PREPARATION

1. A SUB-SOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUB-SOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUB-SOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

2. THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.

3. TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION

1. LIME-AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-SQ. FT. OR 2 TONS PER ACRE.

2. FERTILIZER-SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN PLACE OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1,000-SQ. FT. OR 1000 POUNDS PER ACRE OF A 10-10-10 OR 12-12-12 ANALYSES.

3. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

SEEDING DATES AND SOIL CONDITIONS

- SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE-SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

DORMANT SEEDINGS

1. SEEDINGS SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.

2. THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING":

- FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
- FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
- APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTI-PACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.
- WHERE FEASIBLE, EXCEPT WHEN A CULTI-PACKER TYPE SEEDER IS USED, THE SEEDBED

SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTI-PACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

MULCHING

1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.

2. MATERIALS

- STRAW-IF STRAW IS USED IT SHALL BE UN-ROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE OR 90 POUNDS (TWO TO THREE BALES) PER 1,000-SQ. FT. THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY APPLIED SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000-SQ.-FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
- HYDRO-SEEDERS-IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
- OTHER-OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.

3. STRAW AND MULCH ANCHORING METHODS

- a. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.

- b. MECHANICAL-A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 INCHES.

- c. MULCH-NETTING-NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.

- d. ASPHALT EMULSION-ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURE OR AT THE RATE OF 160 GALLONS PER ACRE.

- e. SYNTHETIC BINDERS-SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK or engineer approved equivalent MAY BE USED AT RATES SPECIFIED BY THE MANUFACTURER.

- f. WOOD-CELLULOSE FIBER-WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

IRRIGATION

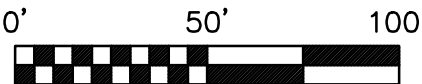
PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.

IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF.

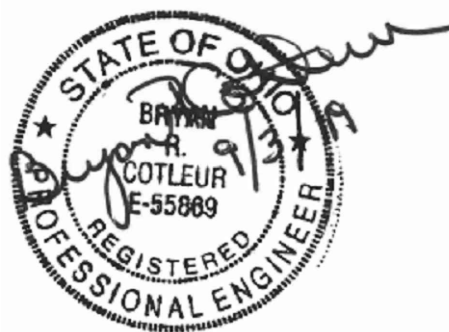
Seed Mix	Seeding Rate			Notes:
	Lbs./acre	Lbs./1,000	Sq. Feet	
General Use				
Creeping Red Fescue	20-40	1/2-1	For close mowing & for waterways with <2.0 ft/sec velocity	
Domestic Ryegrass	10-20	1/4-1/2		
Kentucky Bluegrass	20-40	1/2-1		
Tall Fescue	40-50	1-1 1/4		
Turf-type (dwarf) Fescue	90	2 1/4		
Steep Banks or Cut Slopes				
Tall Fescue	40-50	1-1 1/4	Do not seed later than August	
Crown Vetch	10-20	1/4-1/2		
Tall Fescue	20-30	1/2-3/4		
Flat Pea	20-25	1/2-3/4	Do not seed later than August	
Tall Fescue	20-30	1/2-3/4		
Road Ditches and Swales				
Tall Fescue	40-50	1-1 1/4		
Turf-type (Dwarf) Fescue	90 5	2 1/4 0.1		
Kentucky Bluegrass				
Lawns				
Kentucky Bluegrass	100-120	2	For shaded areas	
Perennial Ryegrass		2		
Kentucky Bluegrass	100-120	2		
Creeping Red Fescue		1-1/2		

PERMANENT SEEDING

SCALE: N.T.S.



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

STORM WATER POLLUTION PREVENTION NOTES & DETAILS

DRAWN: CHK'D.

DESIGNED: APPRV'D: BMS

DATE: SEPTEMBER 2019

HORIZ. SCALE: 1"=50'

VERT. SCALE: NONE

PROJECT NUMBER

1922-6003-00

NO.

REVISION

BY

DATE

SHEET 32

OF 45

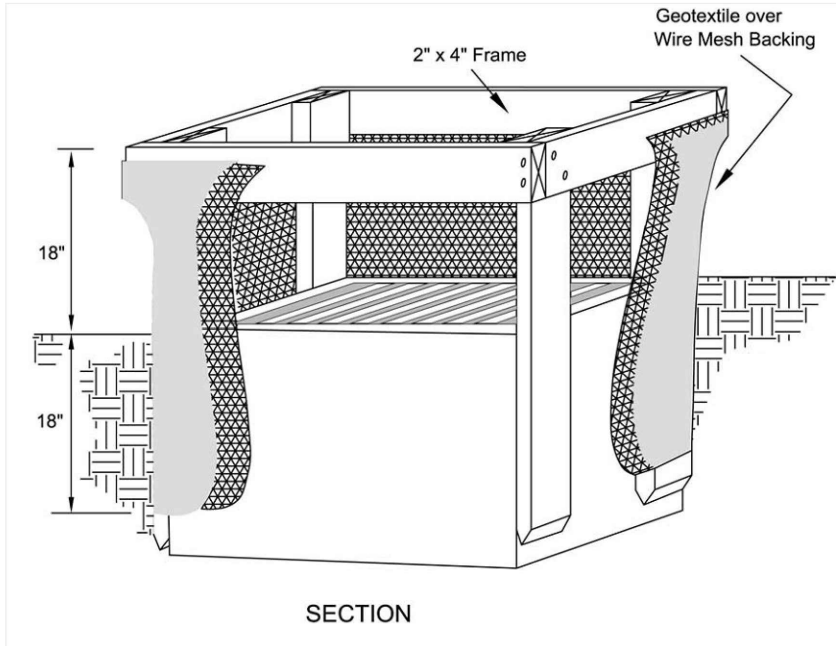
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C0806

DLZ OHIO, INC

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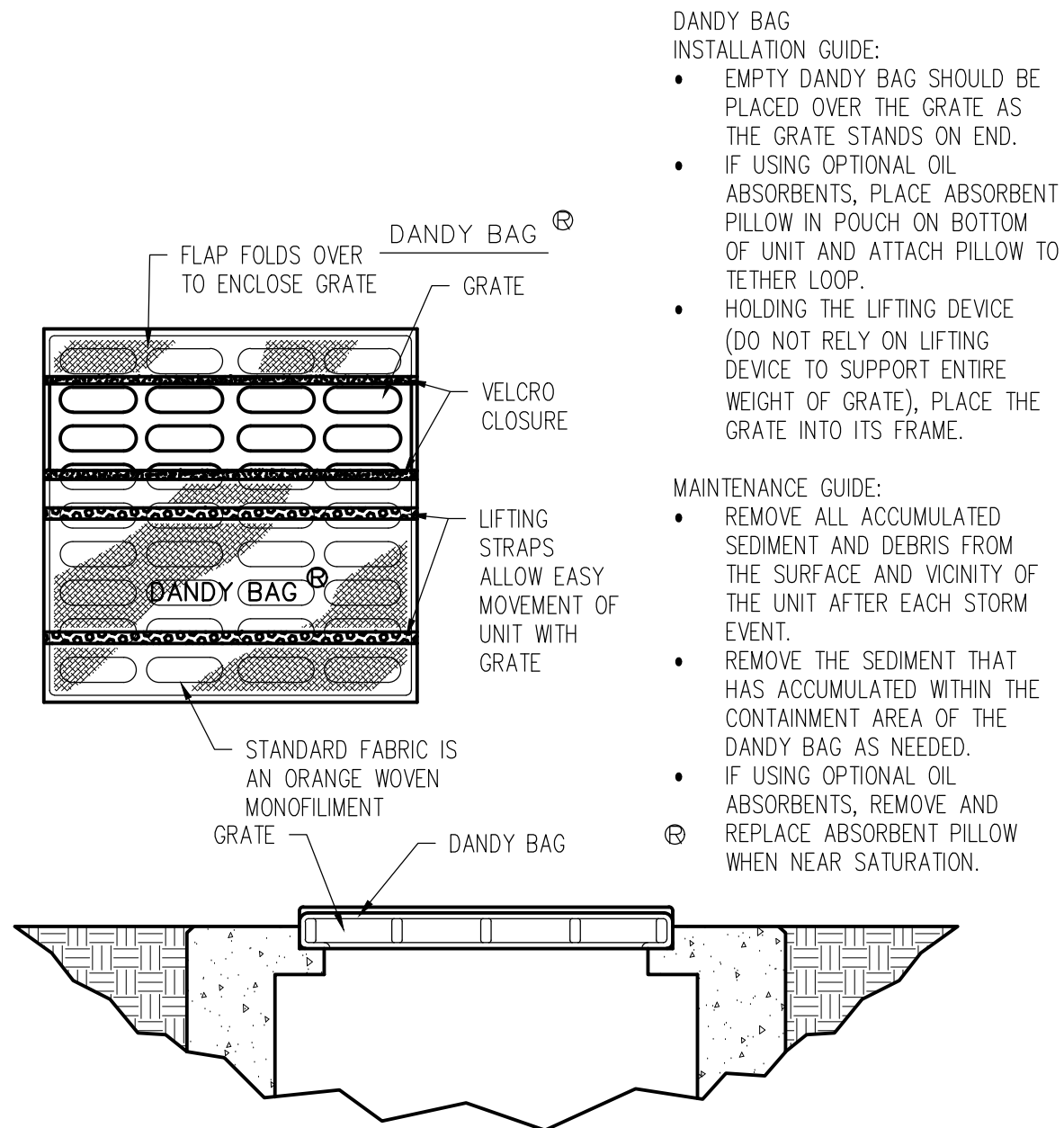
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1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1) FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVER- LAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6- INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CON- STRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

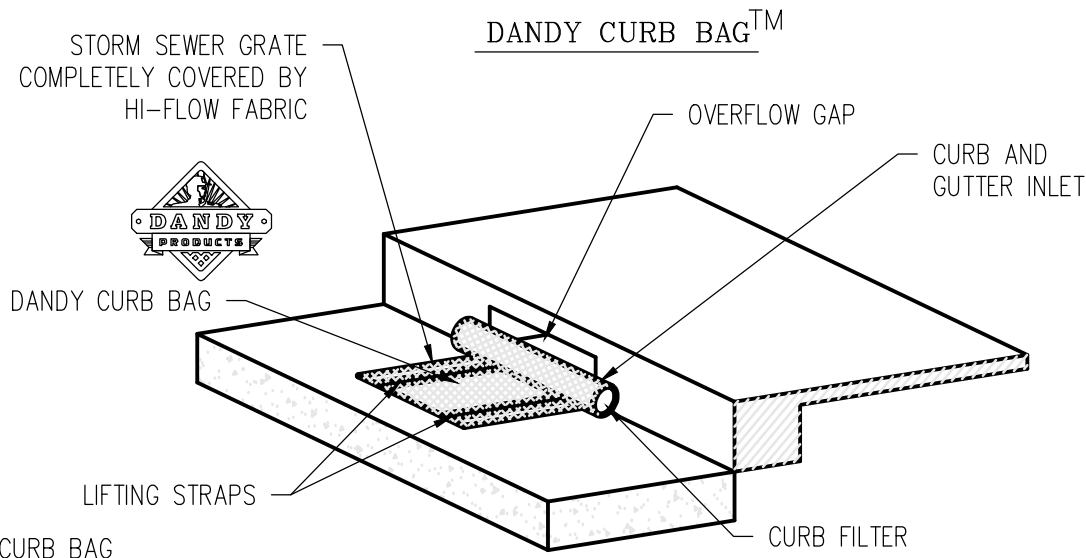
INLET PROTECTION TYPE A

SCALE: N.T.S.



INLET PROTECTION TYPE B

SCALE: N.T.S.



DANDY CURB BAG
INSTALLATION GUIDE:

- THE EMPTY DANDY CURB BAG SHALL BET PLACED OVER THE GRATE AS THE GRATE STANDS ON ITS END.
- IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW ON THE BOTTOM OF THE GRATE POUCH.
- ATTACH ABSORBENT PILLOW TO TETHER LOOP.
- TUCK ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE.
- HOLDING THE LIFTING STRAPS (DO NOT RELY ON LIFTING STRAPS TO SUPPORT ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME (STREET SIDE FIRST), THEN LOWER THE BACK EDGE WITH DAM INTO PLACE.
- WHEN PROPERLY INSTALLED, THE DANDY BAG SHOULD BE PARTIALLY BLOCKING THE CURB HOOD.

MAINTENANCE GUIDE:

- REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH STORM EVENT.
- REMOVE THE SEDIMENT THAT HAS ACCUMULATED WITHIN CONTAINMENT AREA OF THE DANDY CURB BAG AS NEEDED.
- IF USING OPTIONAL OIL ABSORBENTS, REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

INLET PROTECTION TYPE C

SCALE: N.T.S.

TABLE 7.8.1 TEMPORARY SEEDING SPECIES SELECTION

Seeding Dates	Species	Lb./1000 ft2	Lb/Acre
March 1 to August 15	Oats	3	128 (4 Bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Perennial Ryegrass	1	40
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Annual Ryegrass	1.25	55
	Perennial Ryegrass	3.25	142
	Creeping Red Fescue	0.4	17
	Kentucky Bluegrass	0.4	17
August 16th to November	Oats	3	128 (3 bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Wheat	3	120 (2 bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Perennial Rye	1	40
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Annual Ryegrass	1.25	40
November 1 to Feb. 29	Perennial Ryegrass	3.25	40
	Creeping Red Fescue	0.4	40
	Kentucky Bluegrass	0.4	40
	Use mulch only or dormant seeding		

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.
3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS--TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
5. SEEDING METHOD--SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVOR- ABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

2. MATERIALS:

STRAW--IF STRAW IS USED, IT SHALL BE UNROTTED SMALL--GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 LBS./ 1,000 SQ. FT. (2-3 BALES)

HYDROSEEDERS--IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./ AC. OR 46 LB./ 1,000-SQ.-FT.

OTHER--OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/ AC.

3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:

MECHANICAL--A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.

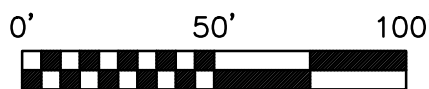
MULCH NETTING--NETTING SHALL BE USED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.

SYNTHETIC BINDERS--SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TRACK or engineer approved equivalent MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

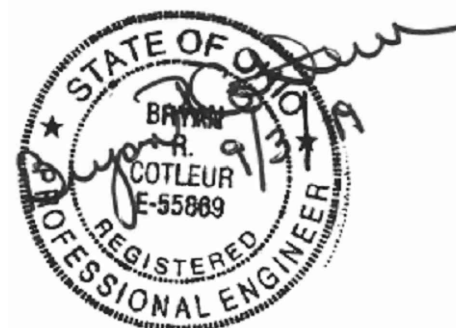
WOOD--CELLULOSE FIBER--WOOD--CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD--CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.

TEMPORARY SEEDING

SCALE: N.T.S.



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

STORM WATER POLLUTION PREVENTION NOTES & DETAILS

DRAWN:	CHK'D.	NO.	REVISION	BY	DATE
DESIGNED:	APPRV'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=50'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

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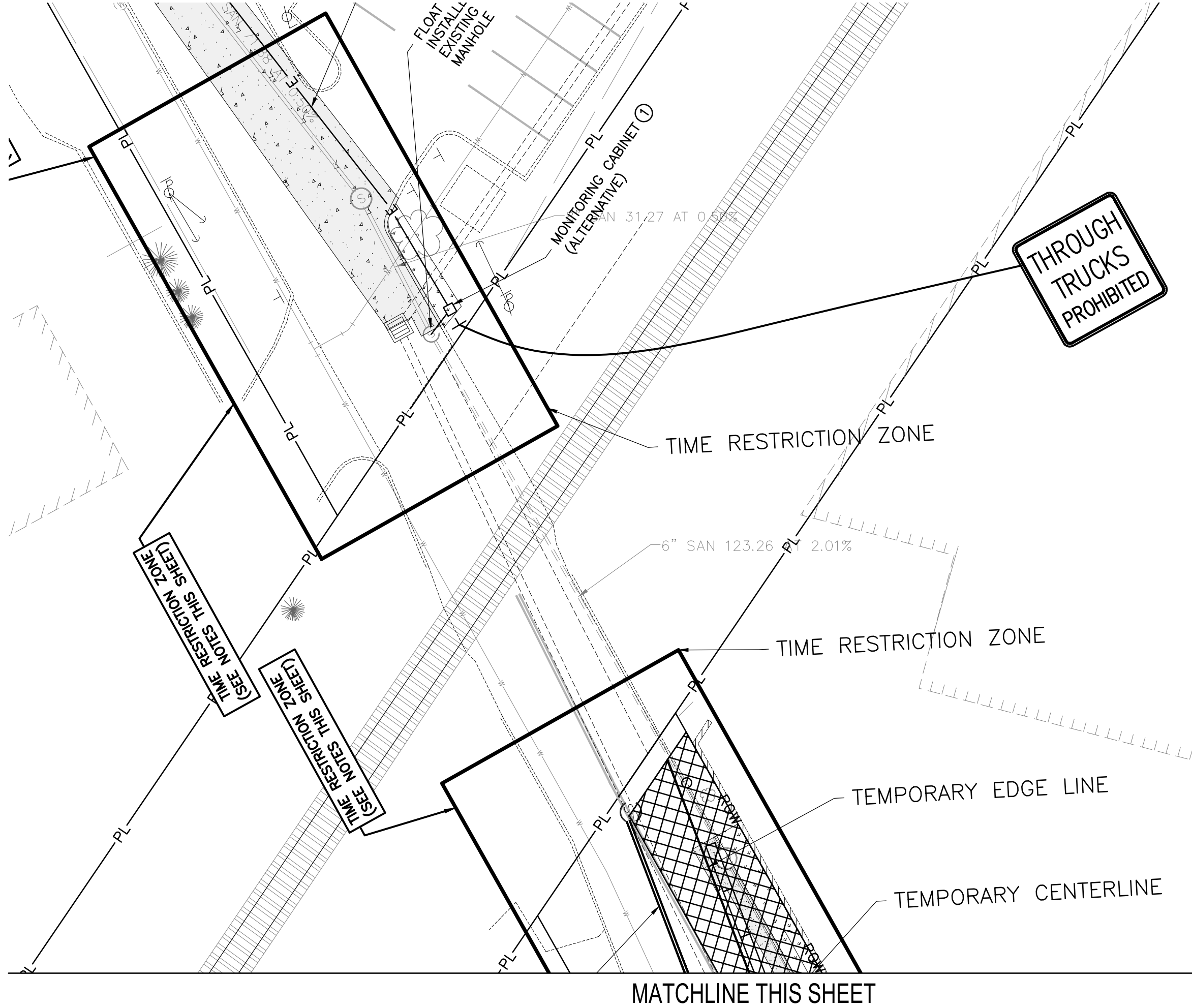
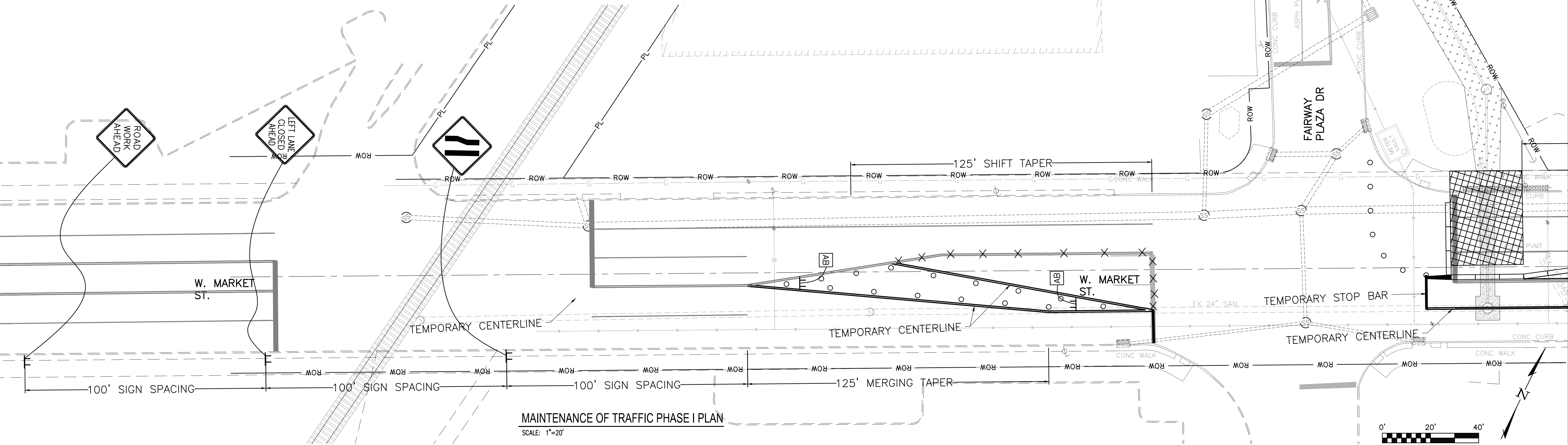
SHEET 33

OF 45

DRAWING NUMBER

C0807

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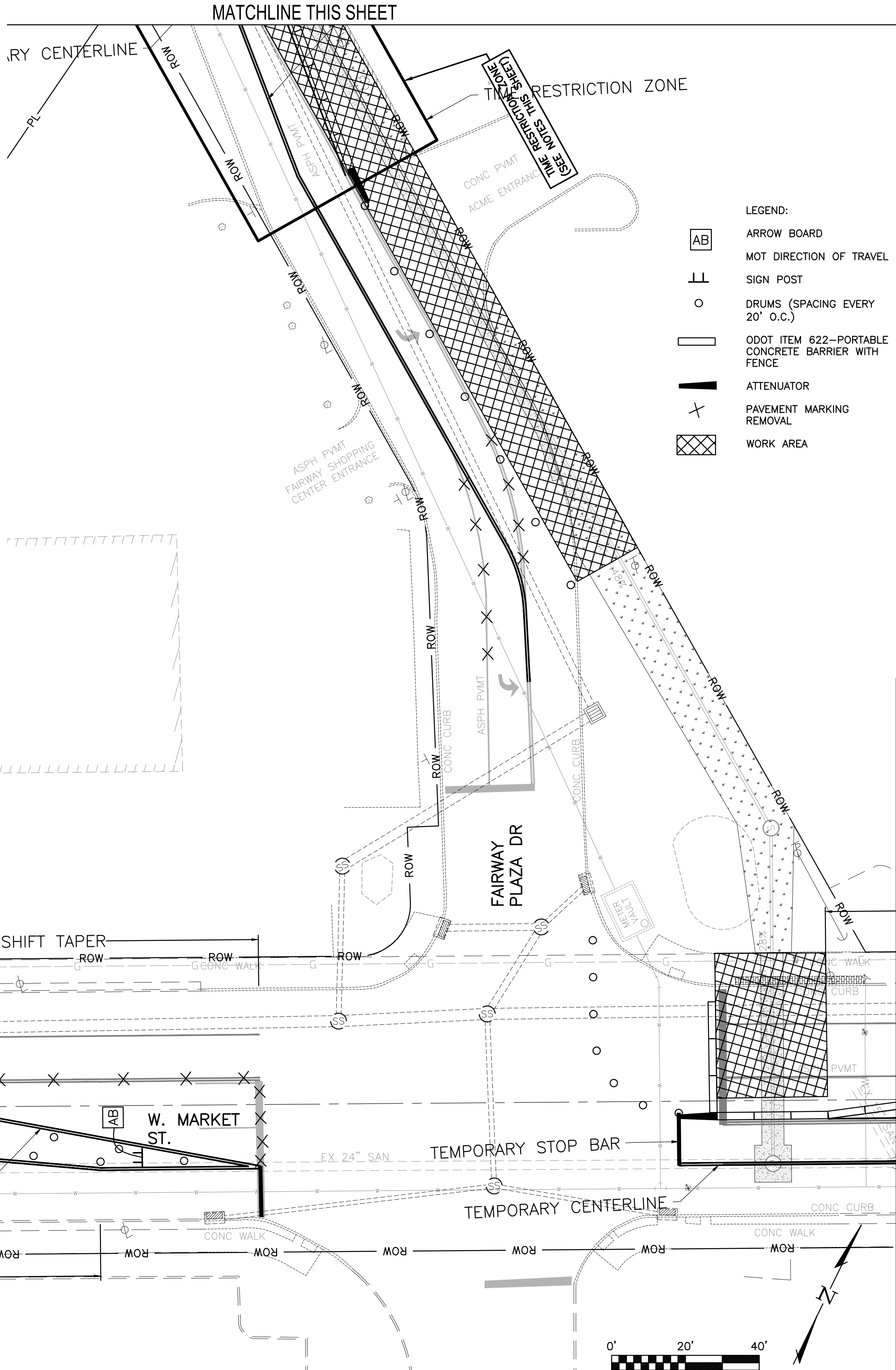


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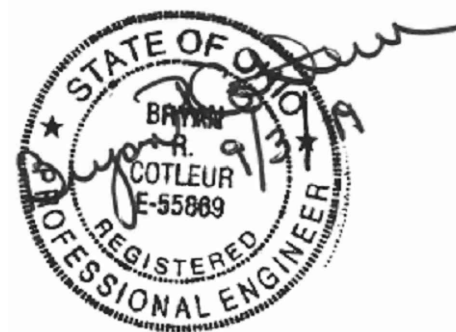
1. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED AS PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATION MANUAL.
2. THE CONTRACTOR SHALL PROVIDE A SAFE ROUTE FOR PEDESTRIANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AS PER THE OMUTCD (TA-28 AND TA-29) AND THE ODOT STANDARD CONSTRUCTION DRAWINGS (MT-110.10).
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL PROPERTIES THROUGHOUT CONSTRUCTION.
4. ALL PERMANENT PAVEMENT MARKINGS IMPACTED BY THE MAINTENANCE OF TRAFFIC SHALL BE REPLACED AFTER CONSTRUCTION IS COMPLETE.
5. MINIMUM DISTANCE BETWEEN SIGNS AND DISTANCE IN ADVANCE OF CONSTRUCTION ACTIVITIES SHALL BE AS REQUIRED BY OMUTCD PART 6.
6. CONTRACTOR SHALL SET TRAFFIC CONTROL PER STANDARD CONSTRUCTION DRAWING MT-95.40. WITH THE EXCEPTION THAT THE DISTANCES "A", "B" AND "C" MAY BE SHORTENED TO 250' DUE TO THE URBAN CONDITION.
7. CONTRACTOR SHALL MAINTAIN AT LEAST ONE 12' LANE IN EACH DIRECTION AT ALL TIMES ON SUPERIOR ROAD.
8. UPON COMPLETION OF WORK, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND ALL PAVEMENT MARKINGS THAT WERE DISRUPTED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED.

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEEK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SOPH RECOGNIZED PAID HOLIDAYS.
2. DURING THE DAYS AND TIMES ESTABLISHED, NO WORK SHALL BE PERFORMED WITHIN THE TIME RESTRICTION ZONE. THE CONTRACTOR SHALL PLAN TO PERFORM THIS WORK AT NIGHT OR DURING THE WEEKEND.
3. BEFORE 7:00 AM OF EACH RESTRICTED DAY, THE WORK ZONE AND THE FACILITY ACCESS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF AKRON DIVISION OF TRAFFIC.



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

MAINTENANCE OF TRAFFIC
PHASE I PLAN

DRAWN: CHK'D: NO. REVISION BY DATE
DESIGNED: APPRV'D: BMS
DATE: SEPTEMBER 2019
HORIZ. SCALE: 1"=20'
VERT. SCALE: NONE
PROJECT NUMBER
1922-6003-00

SHEET 34

OF 45

DRAWING NUMBER

C0901

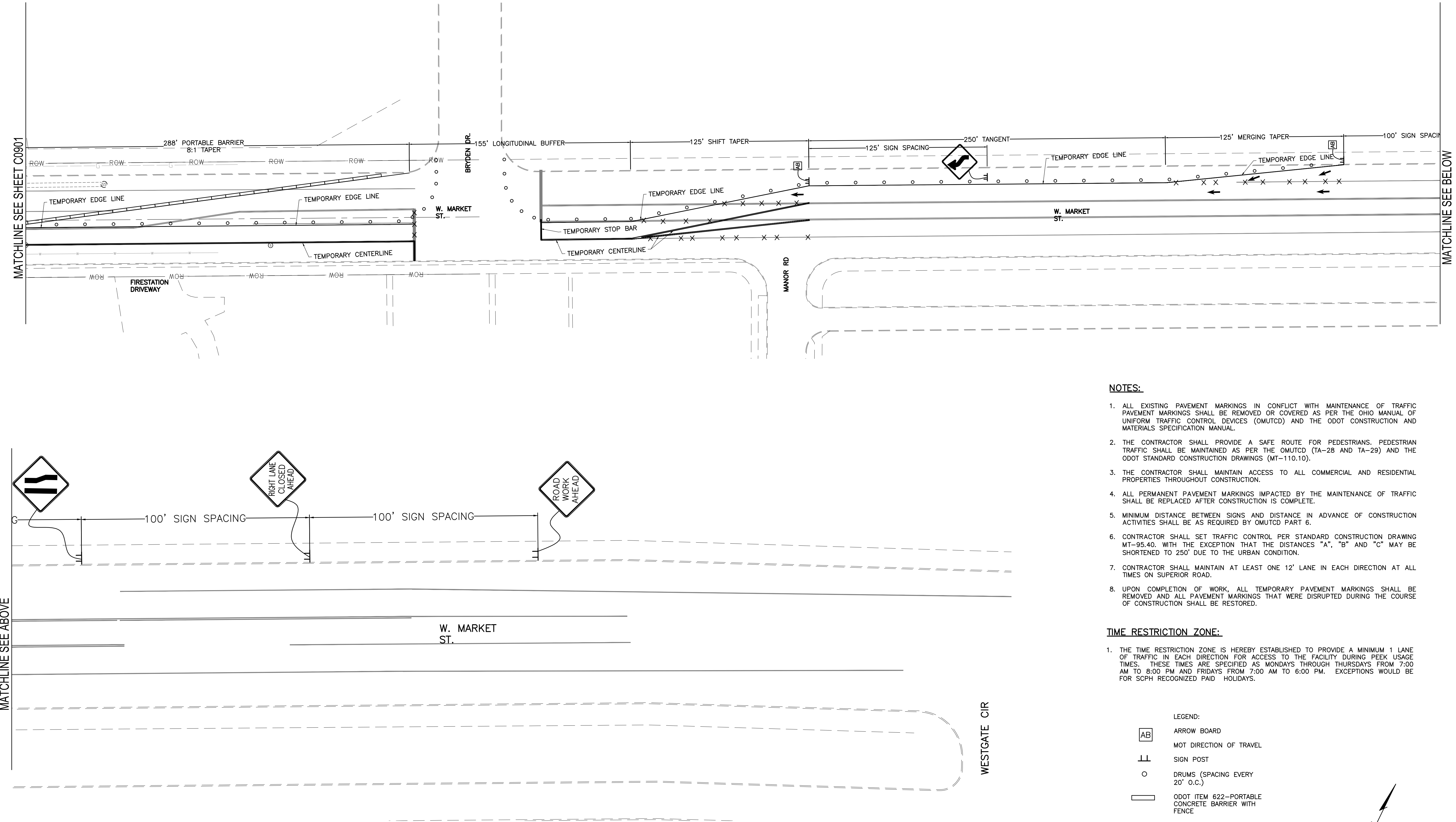
DLZ OHIO, INC

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MAINTENANCE OF TRAFFIC PHASE I PLAN

SCALE: 1"=20'

NOTES:

1. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED AS PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATION MANUAL.
2. THE CONTRACTOR SHALL PROVIDE A SAFE ROUTE FOR PEDESTRIANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AS PER THE OMUTCD (TA-28 AND TA-29) AND THE ODOT STANDARD CONSTRUCTION DRAWINGS (MT-110.10).
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4. ALL PERMANENT PAVEMENT MARKINGS IMPACTED BY THE MAINTENANCE OF TRAFFIC SHALL BE REPLACED AFTER CONSTRUCTION IS COMPLETE.
5. MINIMUM DISTANCE BETWEEN SIGNS AND DISTANCE IN ADVANCE OF CONSTRUCTION ACTIVITIES SHALL BE AS REQUIRED BY OMUTCD PART 6.
6. CONTRACTOR SHALL SET TRAFFIC CONTROL PER STANDARD CONSTRUCTION DRAWING MT-95.40. WITH THE EXCEPTION THAT THE DISTANCES "A", "B" AND "C" MAY BE SHORTENED TO 250' DUE TO THE URBAN CONDITION.
7. CONTRACTOR SHALL MAINTAIN AT LEAST ONE 12' LANE IN EACH DIRECTION AT ALL TIMES ON SUPERIOR ROAD.
8. UPON COMPLETION OF WORK, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND ALL PAVEMENT MARKINGS THAT WERE DISRUPTED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED.

TIME RESTRICTION ZONE:

1. THE TIME RESTRICTION ZONE IS HEREBY ESTABLISHED TO PROVIDE A MINIMUM 1 LANE OF TRAFFIC IN EACH DIRECTION FOR ACCESS TO THE FACILITY DURING PEAK USAGE TIMES. THESE TIMES ARE SPECIFIED AS MONDAYS THROUGH THURSDAYS FROM 7:00 AM TO 8:00 PM AND FRIDAYS FROM 7:00 AM TO 6:00 PM. EXCEPTIONS WOULD BE FOR SCPH RECOGNIZED PAID HOLIDAYS.

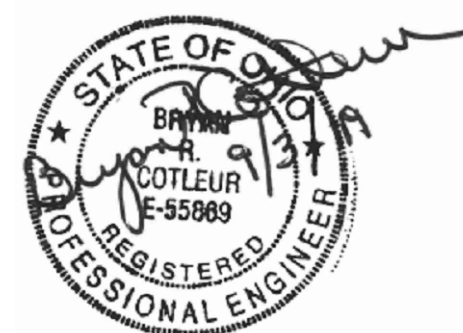
LEGEND:

- AB ARROW BOARD
- MOT DIRECTION OF TRAVEL
- || SIGN POST
- DRUMS (SPACING EVERY 20' O.C.)
- ODOT ITEM 622-PORTABLE CONCRETE BARRIER WITH FENCE
- ATTENUATOR
- PAVEMENT MARKING REMOVAL
- WORK AREA

0' 20' 40'



ISSUED FOR BIDDING:
09/05/2019



AKRON

SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

OHIO

MAINTENANCE OF TRAFFIC PHASE I PLAN

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=20'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

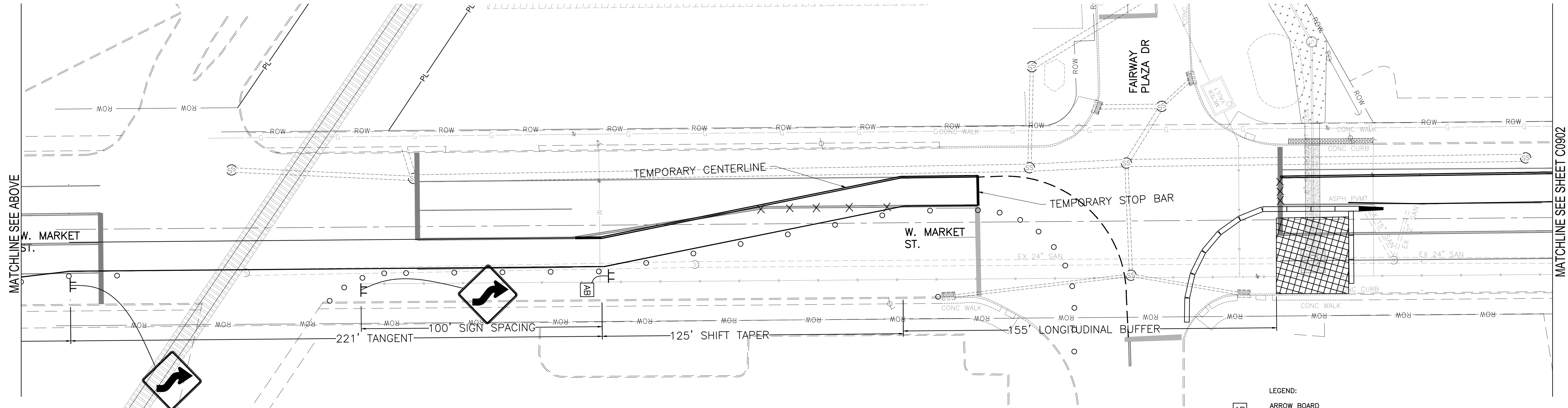
SHEET 35

OF 45

DRAWING NUMBER

C0902

Date: September 05, 2019, 10:18am
File: X:\Projects\GFL\2019\1922\600300 SCHD Fairway Ctr\Site Civil\Phase II-Site & Sewer\C0903.dwg Layout Tab: -



NOTES:

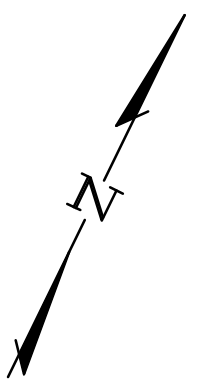
1. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED AS PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATION MANUAL.
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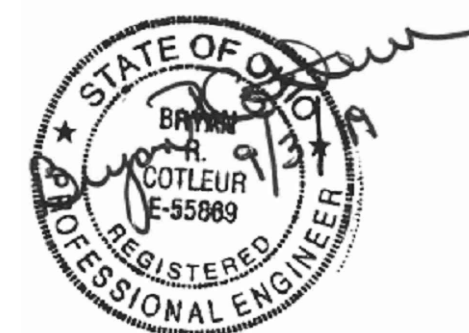
MAINTENANCE OF TRAFFIC PHASE II PLAN

SCALE: 1"=20'

- LEGEND:**
- AB ARROW BOARD
 - MOT DIRECTION OF TRAVEL
 - || SIGN POST
 - DRUMS (SPACING EVERY 20' O.C.)
 - ODOT ITEM 622-PORTABLE CONCRETE BARRIER WITH FENCE
 - ATTENUATOR
 - PAVEMENT MARKING REMOVAL
 - WORK AREA



ISSUED FOR BIDDING:
09/05/2019



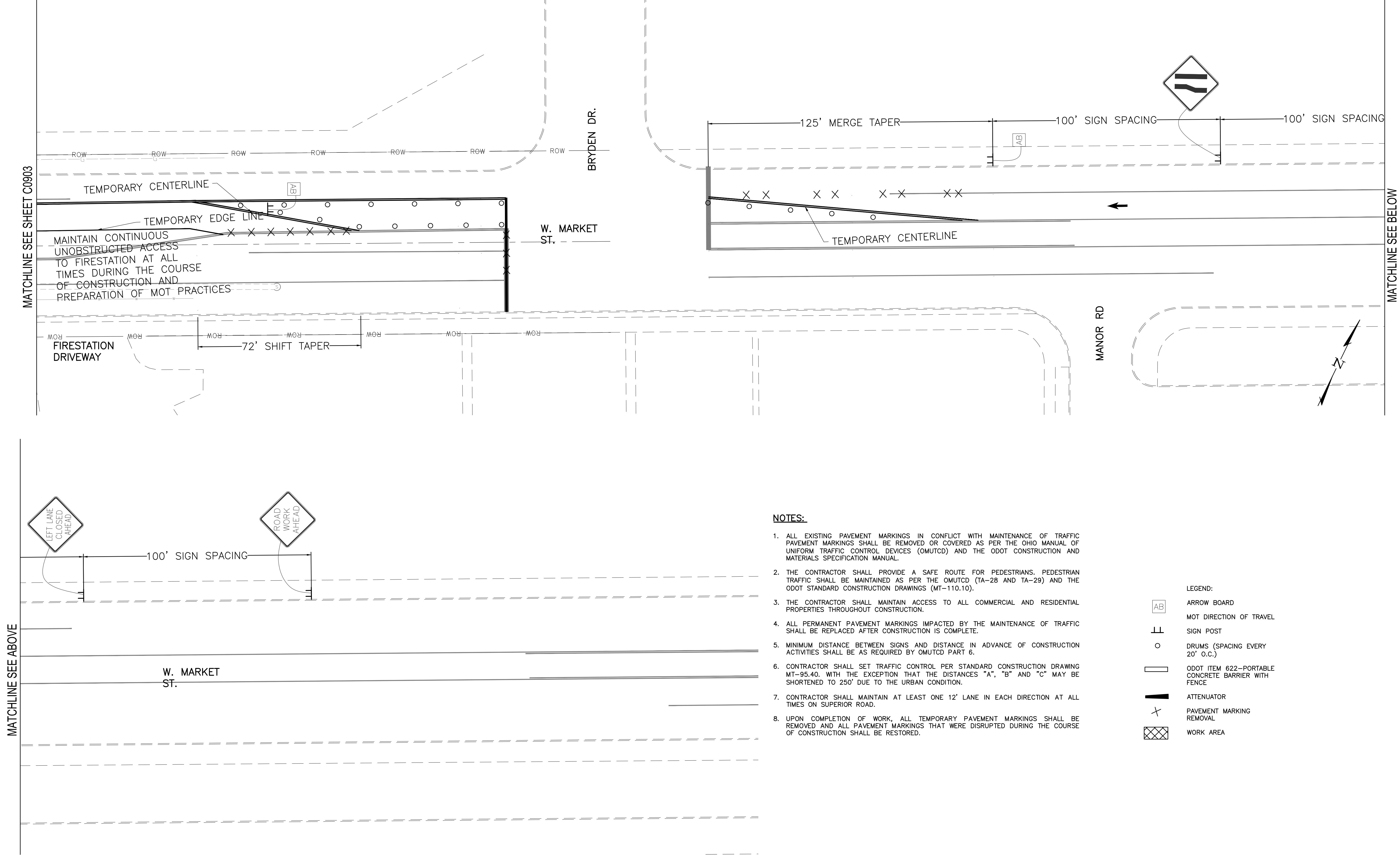
AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**MAINTENANCE OF TRAFFIC
PHASE II PLAN**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=20'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

DLZ OHIO, INC

SHEET 36
OF 45
DRAWING NUMBER
C0903

Date: September 05, 2019, 10:17am
File: X:\Projects\GFL\2019\1922\600300 SCHD Fairway Ctr\Site Civil\Phase II-Site & Sewer\C0904.dwg Layout Tab: -



NOTES:

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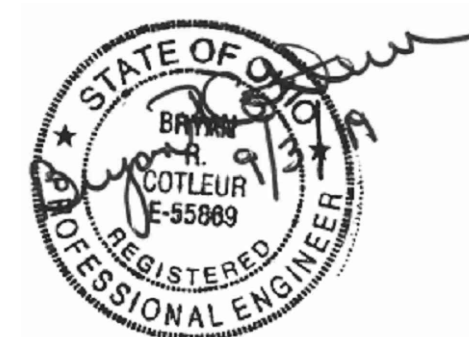
LEGEND:

- AB ARROW BOARD
- MOT DIRECTION OF TRAVEL
- || SIGN POST
- O DRUMS (SPACING EVERY 20' O.C.)
- ODOT ITEM 622-PORTABLE CONCRETE BARRIER WITH FENCE
- ATTENUATOR
- X PAVEMENT MARKING REMOVAL
- WORK AREA

MAINTENANCE OF TRAFFIC PHASE II PLAN
SCALE: 1"=20'



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**MAINTENANCE OF TRAFFIC
PHASE II PLAN**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPR'D: BMS	△			
DATE: SEPTEMBER 2019		△			
HORIZ. SCALE: 1"=20'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

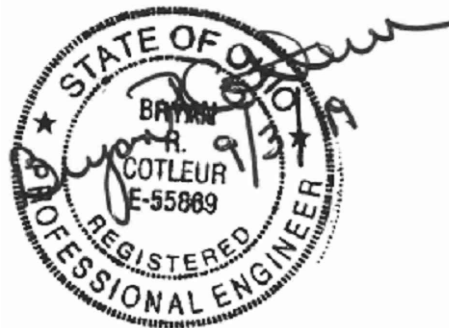
DLZ OHIO, INC

SHEET 37
OF 45
DRAWING NUMBER
C0904

Date: September 05, 2019, 10:15am
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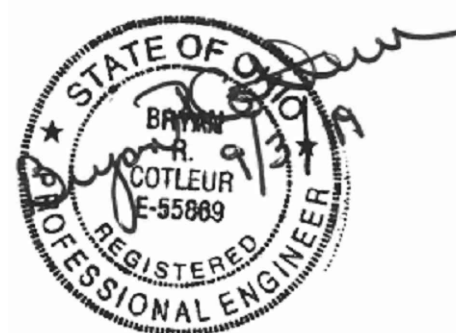
ISSUED FOR BIDDING:
09/05/2019



AKRON	SUMMIT COUNTY PUBLIC HEALTH FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS	OHIO	DRAWN:	CHK'D:	NO.	REVISION		BY	DATE	SHEET 38
			DESIGNED:	APPRV'D: BMS	▲					
MAINTENANCE OF TRAFFIC NOTES			DATE: SEPTEMBER 2019		▲					DRAWING NUMBER C0905
			HORIZ. SCALE: AS SHOWN		▲					
			VERT. SCALE: AS SHOWN		▲					
			PROJECT NUMBER		▲					
			1922-6003-00		▲					
										DLZ OHIO, INC



ISSUED FOR BIDDING:
09/05/2019



AKRON

**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**

**DRY EXTENDED DETENTION BASIN
PLANTING PLAN**

OHIO

DRAWN:	CHK'D:	NO.
DESIGNED:	APPR'D: BMS	
DATE: SEPTEMBER 2019		
HORIZ. SCALE: 1"=50'		
VERT. SCALE: NONE		
PROJECT NUMBER		
1922-6003-00		

NO.	REVISION	BY	DATE

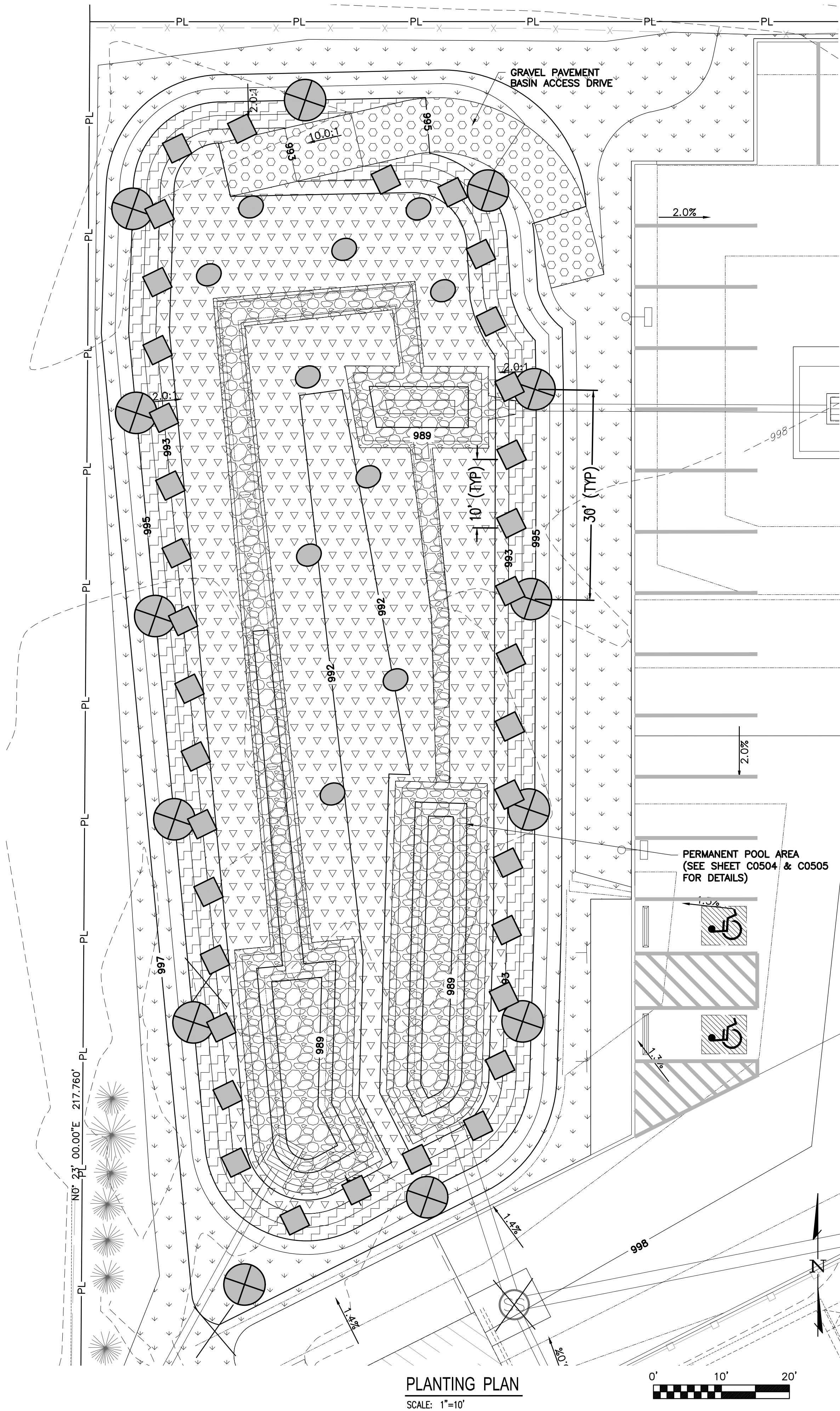
DLZ OHIO, INC

SHEET 39

OF 45

DRAWING NUMBER

L0101



PLANTING LEGEND:		QUANTITIES
	WET TO MESIC TALLGRASS PRAIRIE SEED MIX BETWEEN RIP-RAP AND 993 CONTOUR LINE	4500 S.F.
	NATIVE WILDFLOWER SEED MIX 1550 SF BETWEEN 993 AND 995 CONTOUR LINES	1550 S.F.
	3" MAPLE, RED, OCTOBER GLORY TREES, 30-35 FEET O.C. ALONG THE 995 CONTOUR	13 EACH
	36" TALL POTTED DOGWOOD, NEON BURST, 10 FEET O.C. ALONG THE 993 CONTOUR LINE	36 EACH
	24-36" TALL POTTED SILKY DOGWOOD (CORNUS AMOMUM) PLACED IN GROUPS OF 3 PLANTED PER NURSERY RECOMMENDATIONS BASED ON VARIETY, TOTAL OF 10 GROUPING, 30 PLANTS	30 EACH

SITE LEGEND (SEE CIVIL PLANS):	
	GRAVEL PAVEMENT (SEE DETAIL 11 ON SHEET C0702)
	RIP-RAP LINED BASIN PERMANENT POOL AREA (SEE DETAIL 4 ON SHEET C0701)
	PERMANENT GRASS SEEDING AND MULCHING (SEE DETAIL ON SHEET C0806)

- NOTES:
1. ALL TREES AND SHRUBS SHALL BE PLANTED PRIOR TO SEEDING.
 2. SEEDS SHALL NOT BE PLACED ON SOILS THAT ARE WET ENOUGH TO CAUSE RUTTING.
 3. CONTRACTOR SHALL USE STRAW MULCH OVER ALL AREAS AT A RATE OF 2000 POUNDS PER ACRE AFTER SEEDING IS PLACED.
 4. THE CONTRACTOR MUST WARRANTY ALL SHRUBS AND TREES FOR 2 GROWING SEASONS.
 5. TREES AND SHRUBS SHALL HAVE SHREDDED BARK MULCH ADDED OVER THE PLANTING AREA TO 2-INCH MINIMUM DEPTH.
 6. TREES MUST BE GUY WIRED WITH WIRES REMOVED BY CONTRACTOR AFTER THE 2ND GROWING SEASON.
 7. IF SELECTED TREES AND SHRUBS ARE NOT AVAILABLE AT THE TIME OF CONSTRUCTION THE CONTRACTOR MAY SUBSTITUTE WITH THE APPROVAL OF THE DLZ ENGINEER.

Dogwood, Neon Burst



SHRUB	
<i>Cornus Alba 'bybonghen' Pp27956 Zone 3</i>	
<ul style="list-style-type: none">• Shape: Rounded• Growth Rate: Moderate (6-12" per year)• Flowers: White, lacy clusters in June• Fruit: White to pale blue berries in late summer• Foliage: New leaves are tinged with bronze, becoming chartreuse through summer; purple, red, yellow and orange in fall• Soil: Prefers moist conditions, tolerates occasional wetness	
<ul style="list-style-type: none">• Bright scarlet red stems in winter• Compact growth habit with attractive foliage all season-long, with a rainbow of colors in fall• Use as a single specimen or in large groupings	
Features Attractive Fall Color Attractive Foliage Butterfly Cut Flower Deer Resistant Tolerates Moisture	Sun Exposure Full Sun Part Sun/Part Shade
Flower Colors White	Foliage Colors Yellow Foliage Green Foliage
Height 5-6'	Spread (Width) 5-6'

Maple, Red, October Glory



TREE	
<i>Acer Rubrum 'october Glory' Zone 5</i>	
<ul style="list-style-type: none">• Shape: Broad oval to rounded• Growth Rate: Fast (12-18" per year)• Flowers: Small red flowers in April• Fruit: Red samaras (helicopters) turning brown• Foliage: Glossy green leaves turn bold shades of orange and red in late fall• Soil: Prefers moist, slightly acidic (pH 5.5-6.5), tolerates seasonal moisture	
<ul style="list-style-type: none">• Attractive shade tree with upright branching habit ideal for street and lawn use• Brilliant autumn color appears later than most other Red Maple varieties	
Features Attractive Fall Color Deer Resistant Michigan Native Tolerates Black Walnut Tolerates Moisture	Sun Exposure Full Sun
Flower Colors Red	Foliage Colors Green Foliage
Height 40-50'	Spread (Width) 30-40'

Wet-to-Mesic Prairie Seed Mix		PLS
Botanical Name	Common Name	Ounces/Acre
Permanent Grasses:		
<i>Andropogon gerardii</i>	Big Bluestem	16.00
<i>Calamagrostis canadensis</i>	Bluejoint Grass	1.00
<i>Carex lurida</i>	Bottlebrush Sedge	3.00
<i>Carex stricta</i>	Common Tussock Sedge	1.00
<i>Carex vulpinoidea</i>	Brown Fox Sedge	1.00
<i>Elymus virginicus</i>	Virginia Wild Rye	24.00
<i>Juncus canadensis</i>	Canadian Rush	0.50
<i>Panicum virgatum</i>	Switch Grass	2.00
<i>Scirpus cyperinus</i>	Wool Grass	0.50
<i>Sorghastrum nutans</i>	Indian Grass	8.00
<i>Spartina pectinata</i>	Prairie Cord Grass	3.00
Total		60.00

Temporary Cover:		
<i>Avena sativa</i>	Common Oat	360.00
<i>Lolium multiflorum</i>	Annual Rye	100.00
Total		460.00

Forbs:		
<i>Asclepias syriaca</i>	Common Milkweed	2.00
<i>Baptisia alba</i>	White Wild Indigo	1.00
<i>Chamaecrista fasciculata</i>	Partridge Pea	10.00
<i>Coreopsis lanceolata</i>	Sand Coreopsis	4.00
<i>Coreopsis tripteris</i>	Tall Coreopsis	2.00
<i>Desmodium illinoense</i>	Illinois Tick Trefoil	0.50
<i>Doellingeria umbellata</i>	Flat-Top Aster	0.50
<i>Echinacea purpurea</i>	Broad-Leaved Purple Coneflower	4.00
<i>Eryngium yuccifolium</i>	Rattlesnake Master	2.00
<i>Helenium autumnale</i>	Sneezeweed	2.00
<i>Helianthus grosseserratus</i>	Sawtooth Sunflower	0.50
<i>Lespedeza capitata</i>	Round-Headed Bush Clover	1.50
<i>Liatris spicata</i>	Marsh Blazing Star	1.00
<i>Monarda fistulosa</i>	Wild Bergamot	1.00
<i>Oligoneuron rigidum</i>	Stiff Goldenrod	1.00
<i>Parthenium integrifolium</i>	Wild Quinine	1.00
<i>Physostegia virginiana</i>	Obedient Plant	0.25
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	0.50
<i>Ratibida pinnata</i>	Yellow Coneflower	4.00
<i>Rudbeckia hirta</i>	Black-Eyed Susan	4.00
<i>Rudbeckia laciniata</i>	Wild Golden Glow	1.00
<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	0.50
<i>Senna hebecarpa</i>	Wild Senna	2.25
<i>Silphium integrifolium</i>	Rosin Weed	1.00
<i>Silphium laciniatum</i>	Compass Plant	2.00
<i>Silphium perfoliatum</i>	Cup Plant	2.00
<i>Silphium terebinthinaceum</i>	Prairie Dock	3.00
<i>Solidago juncea</i>	Early Goldenrod	0.25
<i>Solidago rugosa</i>	Rough Goldenrod	0.25
<i>Symphotrichum novae-angliae</i>	New England Aster	0.50
<i>Tradescantia ohiensis</i>	Common Spiderwort	1.25
<i>Vernonia fasciculata</i>	Common Ironweed	3.00
<i>Veronicastrum virginicum</i>	Culver's Root	0.25
<i>Zizia aurea</i>	Golden Alexanders	1.00
Total		59.00

Native Wildflower Seed Mix		PLS
Botanical Name	Common Name	Ounces/Acre
Permanent Native Species:		
<i>Asclepias syriaca</i>	Common Milkweed	4.00
<i>Chamaecrista fasciculata</i>	Partridge Pea	16.00
<i>Coreopsis lanceolata</i>	Sand Coreopsis	8.00
<i>Desmanthus illinoensis</i>	Illinois Sensitive Plant	12.00
<i>Echinacea purpurea</i>	Broad-Leaved Purple Coneflower	12.00
<i>Lupinus perennis v. occidentalis</i>	Wild Lupine	4.00
<i>Monarda fistulosa</i>	Wild Bergamot	1.50
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	1.00
<i>Ratibida pinnata</i>	Yellow Coneflower	4.00
<i>Rudbeckia hirta</i>	Black-Eyed Susan	10.00
<i>Solidago speciosa</i>	Showy Goldenrod	0.50
<i>Symphotrichum laeve</i>	Smooth Blue Aster	1.00
Total		74.00

ELECTRICAL SPECIFICATIONS

I GENERAL

- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- B. THE ELECTRICAL CONTRACTOR SHALL:
- 1) PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL INSTALLATION.
 - 2) SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR ELECTRICAL WORK.
 - 3) VISIT JOB SITE AND VERIFY ALL EXISTING CONDITIONS AND REQUIREMENTS PRIOR TO BID SUBMISSION.
 - 4) COORDINATE WORK WITH OTHER TRADES AND ARCHITECT.
 - 5) PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK .
 - 6) PROVIDE NEW SITE LIGHTING POLES AND LUMINAIRES.
 - 7) PROVIDE LIGHTING CONTROLS FOR NEW SITE LIGHTING.
 - 8) PROVIDE BRANCH CIRCUIT WIRING AND GROUNDING FOR NEW SITE LIGHTING.
 - 9) PROVIDE EMPTY CONDUITS WITH PULLWIRES FOR FUTURE SURVEILLANCE CAMERAS ON POLES.
 - 10) UNDER ALTERNATE BID, PROVIDE SANITARY SEWER ALARM MONITORING SYSTEM.
 - 11) PROVIDE ALL TRENCHING, BACKFILL AND CONCRETE WORK REQUIRED FOR INSTALLATION OF ELECTRICAL WORK.
 - 12) GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE DATE.
 - 13) PROVIDE SUBMITTAL DRAWINGS FOR LIGHT POLES, LUMINAIRES AND CONTROLS AND SANITARY SEWER MONITORING SYSTEM FOR REVIEW BY ENGINEER.
- C. THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS ELECTRICAL DEVICES, EQUIPMENT, AND FIXTURES, AND THE METHOD OF CONNECTING AND CONTROLLING THEM. THEY ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL NOR ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM. MATERIAL OR LABOR WHICH IS NOT SHOWN ON THE DRAWINGS OR INCLUDED IN THE SPECIFICATIONS BUT IS NECESSARY TO COMPLETE THE WORK SHALL BE PROVIDED.

II MATERIALS

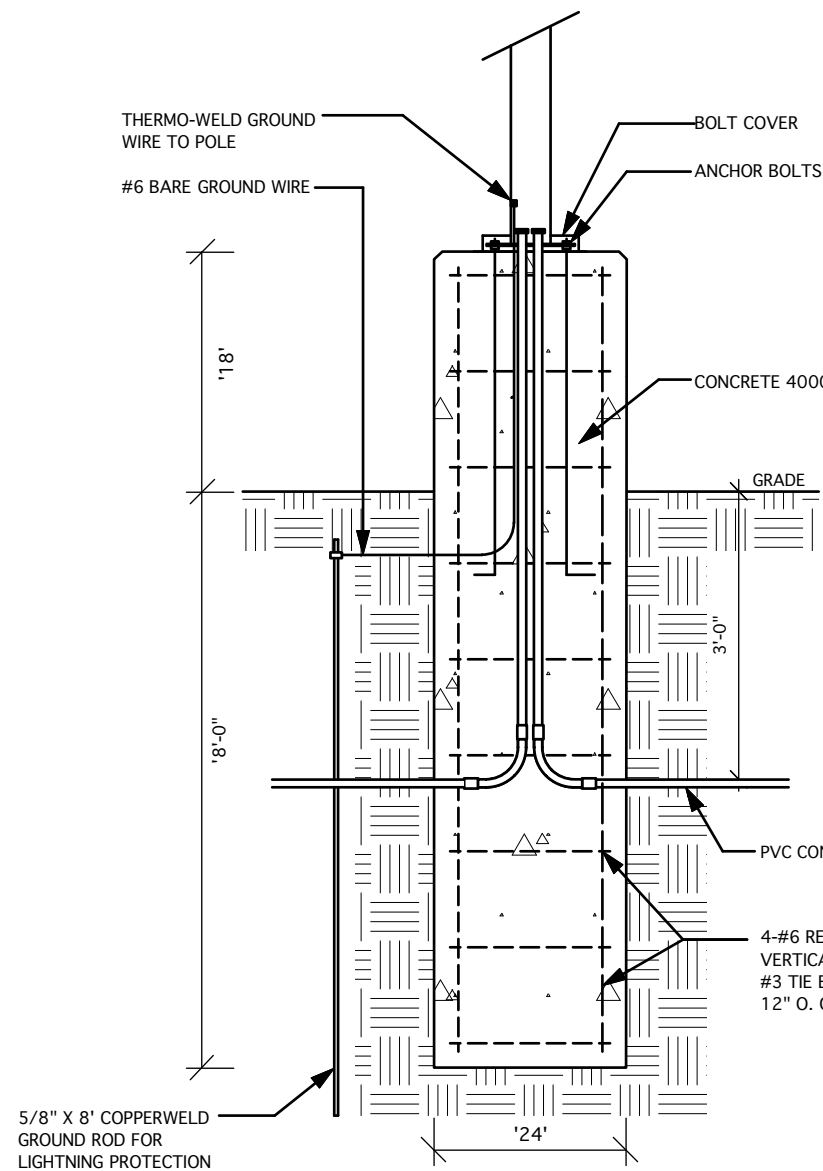
- A. ALL MATERIALS SHALL BE NEW, MEET N.E.C. STANDARDS, AND BE 'UL' LABELED.
- B. RACEWAYS SHALL BE:
- 1) RIGID GALVANIZED STEEL CONDUIT FOR EXPOSED EXTERIOR WORK AND ELSEWHERE AS NOTED.
 - 2) GALVANIZED STEEL E.M.T. IN ELECTRICAL ROOM
 - 3) P.V.C. SCHEDULE 40 CONDUIT FOR EXTERIOR UNDERGROUND.
- C. CONDUCTORS SHALL BE TYPE 'THWN', 600 VOLT, COPPER, FOR BRANCH CIRCUITS AND FEEDERS, #12 AWG MINIMUM SIZE. ALUMINUM IS NOT PERMITTED.
- D. POWER WIRING INSIDE LIGHT POLES FROM BASE TO LUMINAIRE SHALL BE (2)#12+#12G TYPE UF CABLE TO BE SUITABLE FOR SHARING POLE AS RACEWAY WITH FUTURE CAMERA CABLES.
- E. NEW LIGHT POLES SHALL BE AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE.
- F. LIGHTING CONTROLS SHALL BE AS SPECIFIED IN DIAGRAM
- G. SANITARY SEWER ALARM MONITORING SYSTEM SHALL BE AS SPECIFIED IN DIAGRAM.

III EXECUTION

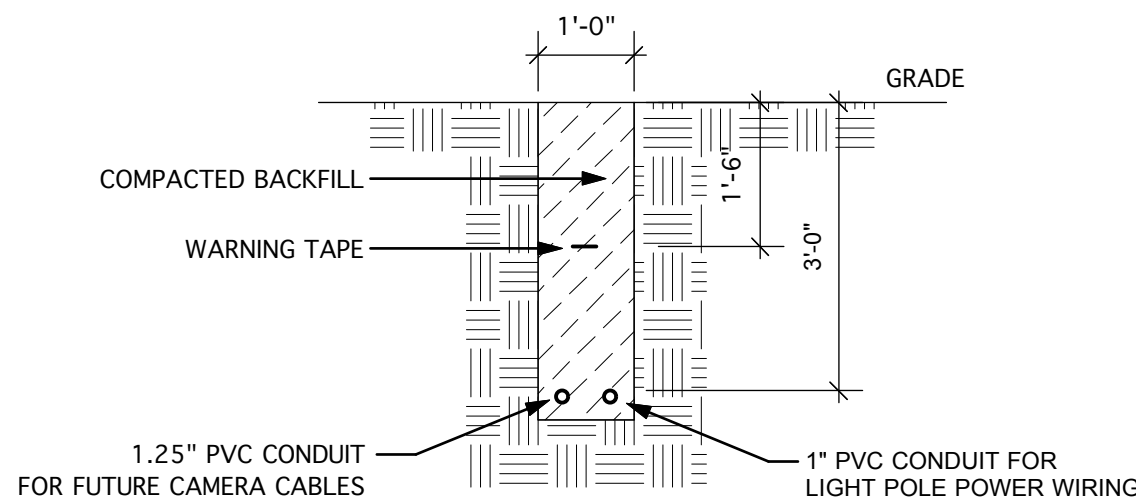
- A. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE COMPLETE SATISFACTION OF THE OWNER.
- B. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S AND U.L. LABELING INSTRUCTIONS.
- C. ALL CIRCUITS SHALL BE TESTED FOR SHORTS AND GROUNDS BEFORE ENERGIZING.
- D. PULLWIRES SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
- E. UPDATE CIRCUIT BREAKER PANEL SCHEDULE FOR NEW LIGHTING CIRCUIT.
- F. UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE.

PLAN NOTES

- 1 WIRE NEW LIGHT POLES TO EXISTING SPARE 20 AMP, 1 POLE CIRCUIT BREAKER IN PANEL 'HP2'.
- 2 WIRE LIGHTS WITH (2)#10+(1)#10G IN 1" CONDUIT. ROUTE CONDUIT IN TRENCH UNDER NEW PAVEMENT. COORDINATE LOCATION OF CONDUIT AND ROUTING WITH OTHER TRADES. ENTER ELECTRICAL ROOM WITH LB FITTING ABOVE GRADE.
- 3 INCLUDE IN TRENCH WITH SITE LIGHTING CONDUIT (1) 1.25" CONDUIT WITH PULLWIRE FOR FUTURE SURVEILLANCE CAMERAS TO BE MOUNTED ON POLES. STUB CONDUIT INTO THE BASE OF EACH POLE AND INTO ELECTRICAL ROOM WITH LB FITTING ABOVE GRADE.



POLE BASE DETAIL
NOT TO SCALE

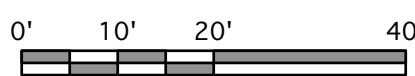


TRENCH DETAIL
NOT TO SCALE



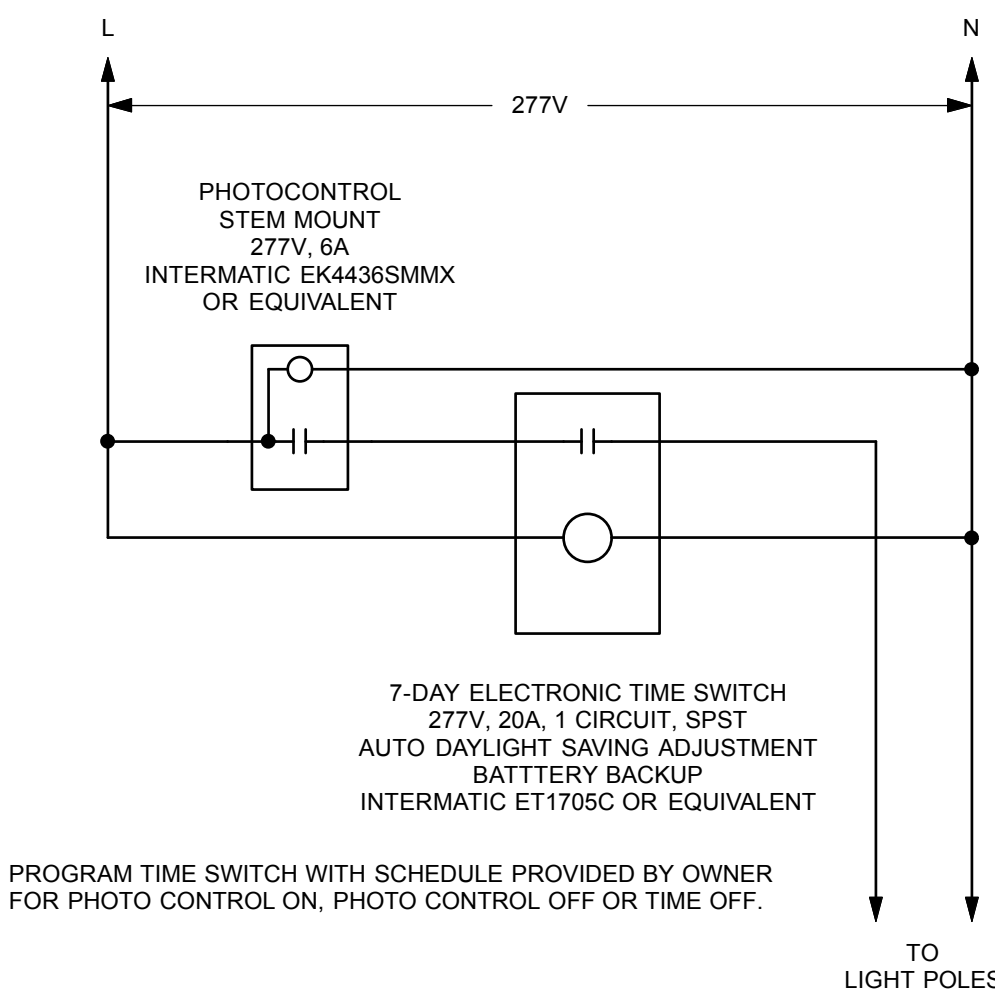
ELECTRICAL SITE PLAN

SCALE: 1" = 20'



LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTAGE	VOLTAGE	CATALOG NUMBER
A	SINGLE LED AREA LIGHT WITH TYPE IV CUT-OFF OPTICS, 19,984 LUMENS, 4000K COLOR TEMPERATURE, BRONZE FINISH ON 25 FOOT STRAIGHT SQUARE ALUMINUM POLE WITH PROVISIONS FOR FUTURE CAMERA MOUNTING AND WIRING.	153	277	EATON PRV-C60-D-UNV-T4-SA-BZ / SSA-25
B	SAME AS TYPE A WITH TWO LUMINAIRES ON POLE AT 180°.	306	277	EATON (2)PRV-C60-D-UNV-T4-SA-BZ / SSA-25



LIGHTING CONTROL DIAGRAM



ISSUED FOR BIDDING:
09/05/2019



AKRON SUMMIT COUNTY PUBLIC HEALTH OHIO
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS

SITE LIGHTING AND ELECTRICAL PLAN
PHASE II

DRAWN: PAN	CHK'D: AM	NO.	REVISION	BY	DATE
DESIGNED: PAN	APPR'VD: BMS	▲			
DATE: JULY 2019		▲			
HORIZ. SCALE:		▲			
VERT. SCALE:		▲			
PROJECT NUMBER		▲			
1922-6003-00		▲			

DLZ OHIO, INC

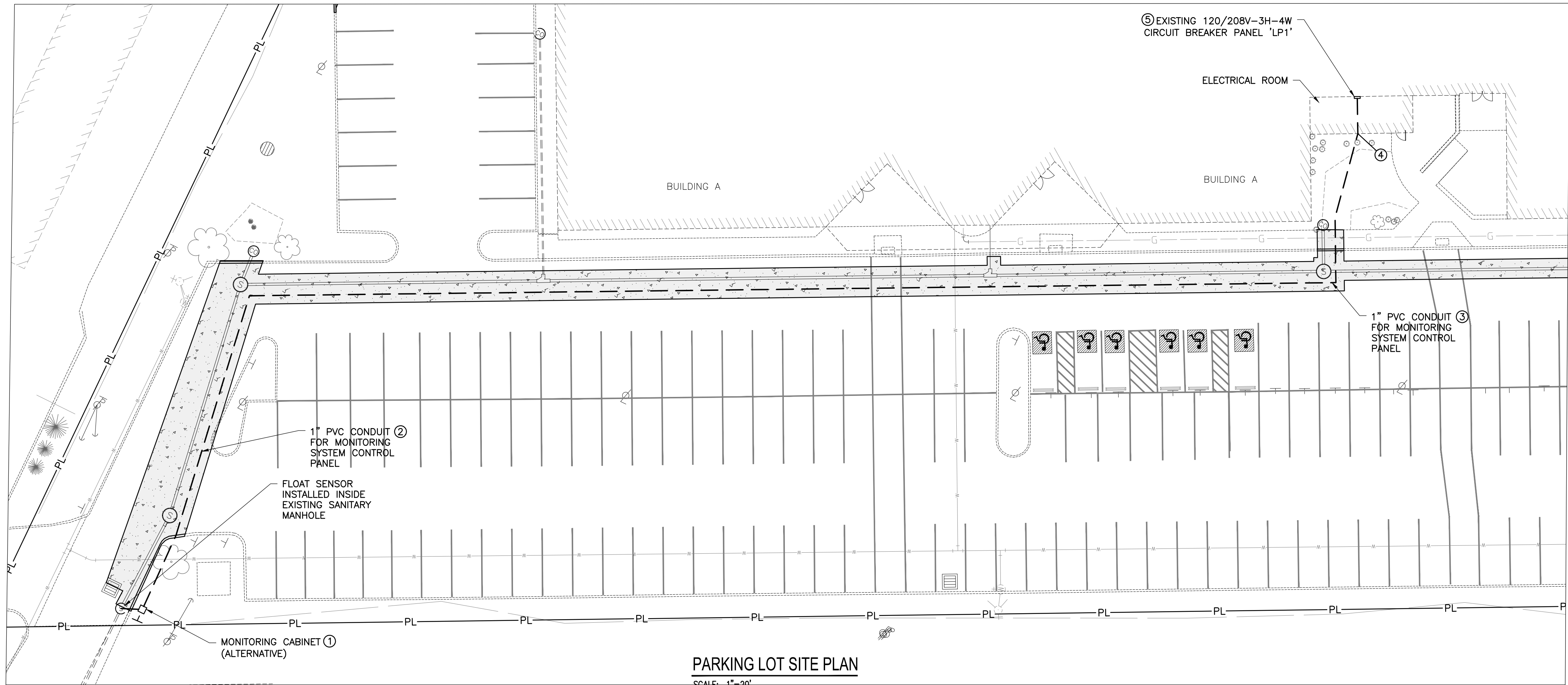
SHEET 40

OF 45

DRAWING NUMBER

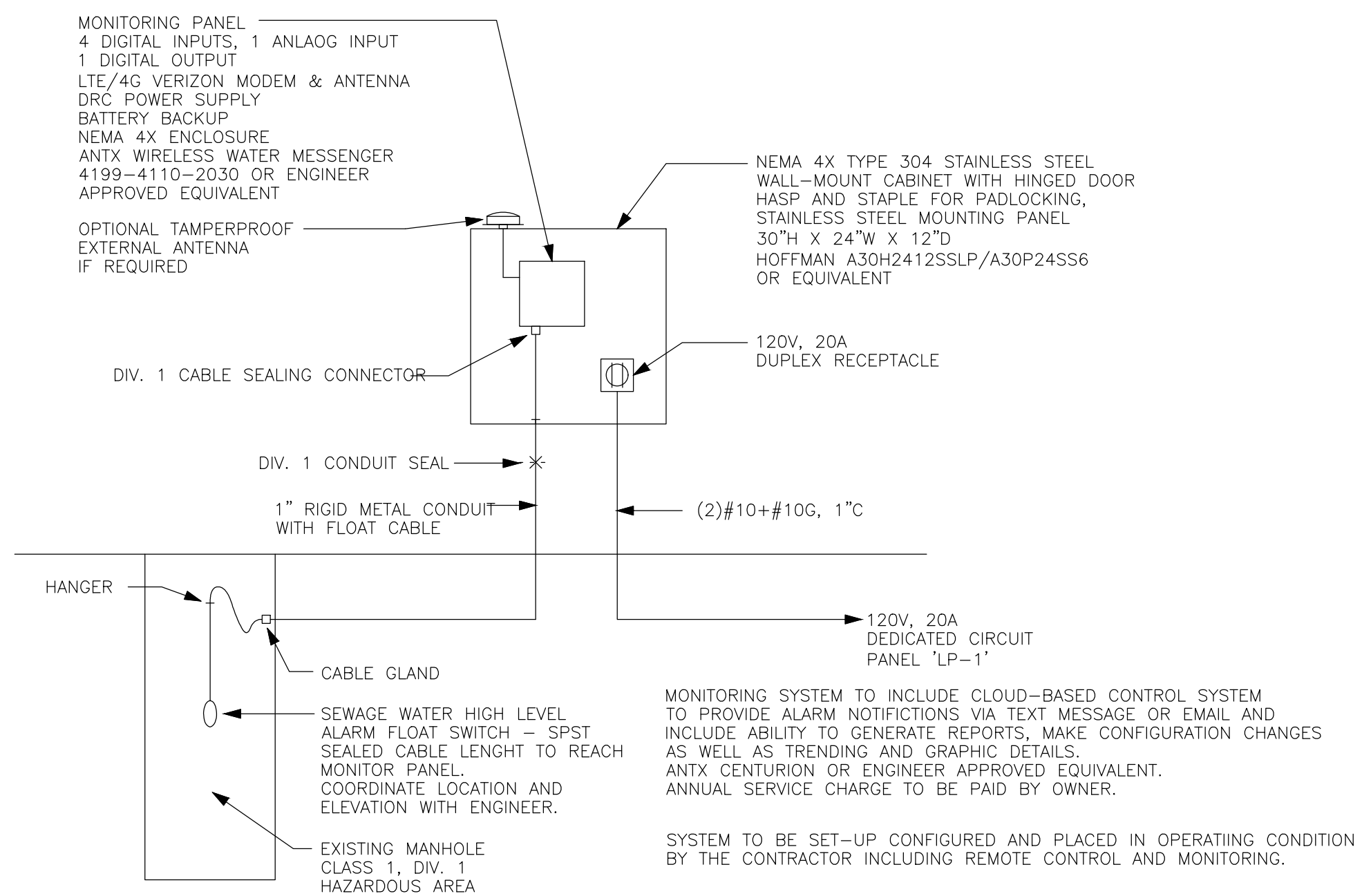
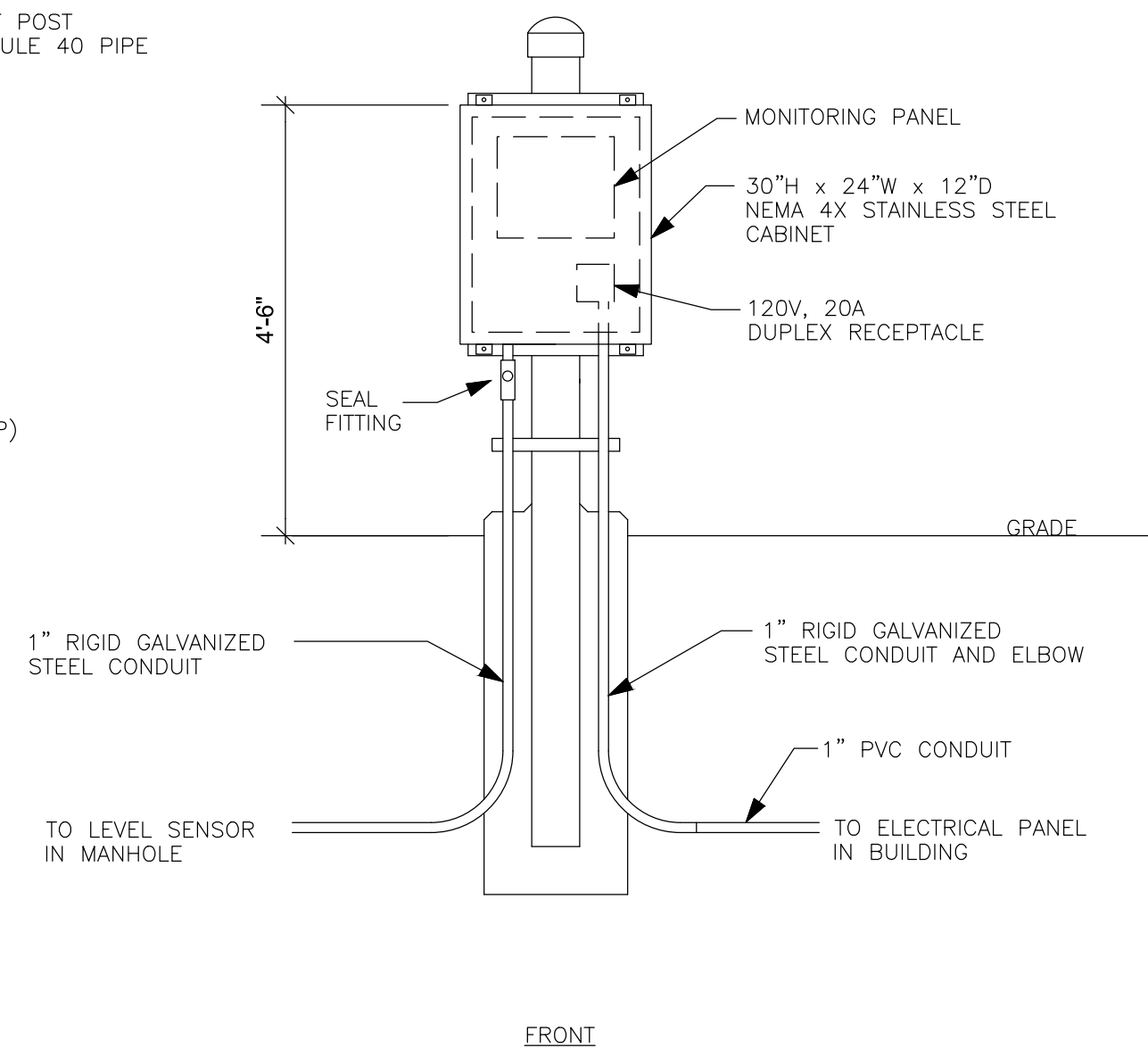
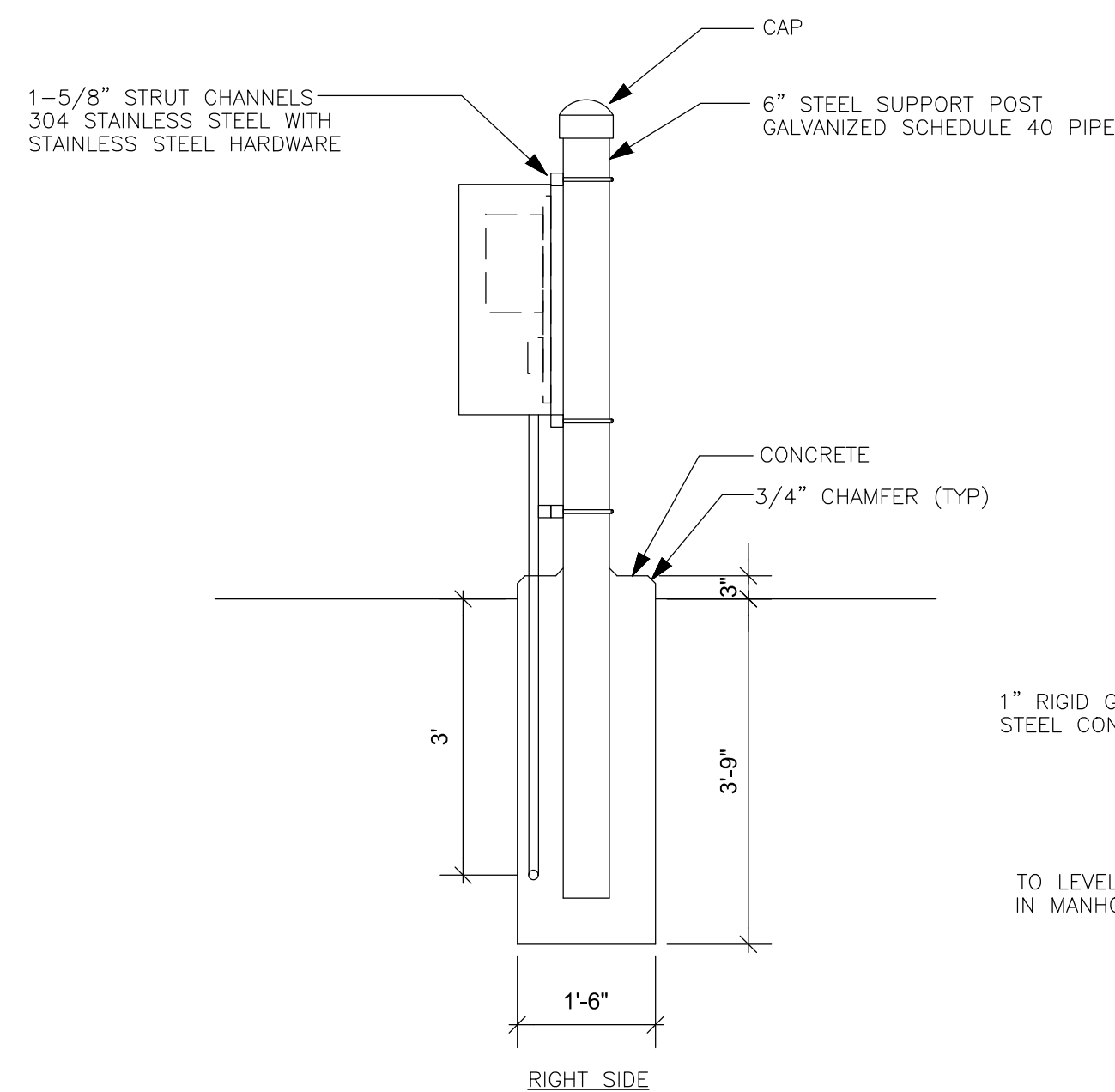
E0101

Date: July 12, 2019, 8:29am
File: M:\Proj\1922-6003-00 SCHD Fairway Ctr\Site Civil\Phase II-Site & Sewer\E0102.dwg Layout Tab: -



PLAN NOTES

- 1 UNDER ALTERNATIVE BID, FURNISH AND INSTALL COMPLETE MONITORING SYSTEM INCLUDING MONITORING PANEL, CABINET, FLOAT SENSOR, SUPPORT POST, CONDUIT AND WIRING. SEE DETAIL AND DIAGRAM THIS SHEET. COORDINATE EXACT LOCATION AND ORIENTATION OF THE PANEL WITH THE ENGINEER.
- 2 PROVIDE DEDICATED 120V, 20A CIRCUIT FOR MONITORING SYSTEM. WIRE TO PANEL 'LP1' IN BUILDING WITH (2)#10+(1)#10G IN 1" CONDUIT. RUN CONDUIT IN TRENCH UNDER NEW PAVEMENT. COORDINATE LOCATION OF CONDUIT AND ROUTING WITH OTHER TRADES. PROVIDE GRADE LEVEL PULLBOX, IF REQUIRED, AND COORDINATE LOCATION OF PULLBOX WITH ENGINEER. TRENCHING AND BACKFILL FOR ELECTRICAL WORK BY EC. RESTORATION DISTURBED AREA THROUGH LAWN BY GC.
- 3 ROUTE CONDUIT THROUGH LANDSCAPING BED. COORDINATE ROUTING AND REMOVAL OF EXISTING VEGETATION WITH GENERAL CONTRACTOR. RESTORATION OF BED BY GENERAL CONTRACTOR.
- 4 MAKE CONDUIT ENTRY INTO ELECTRICAL ROOM WITH LB FITTING AND THROUGH WALL CONDUIT ABOVE GRADE AT MINIMUM HEIGHT.
- 5 UTILIZE SPARE 20A, 1 POLE CIRCUIT BREAKER IN PANEL 'LP1' FOR MONITORING SYSTEM POWER CIRCUIT, IF AVAILABLE, OTHERWISE, PROVIDE NEW CIRCUIT BREAKER IN UNUSED SPACE.



ISSUED FOR BIDDING:
09/05/2019



AKRON OHIO
**SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SITE AND SEWER IMPROVEMENTS**
**SANITARY SEWER EMERGENCY ALERT PLAN
PHASE I**

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
DESIGNED:	APPRV'D: BMS	△			
DATE: JULY 2019		△			
HORIZ. SCALE: 1"=20'		△			
VERT. SCALE: NONE		△			
PROJECT NUMBER		△			
1922-6003-00		△			

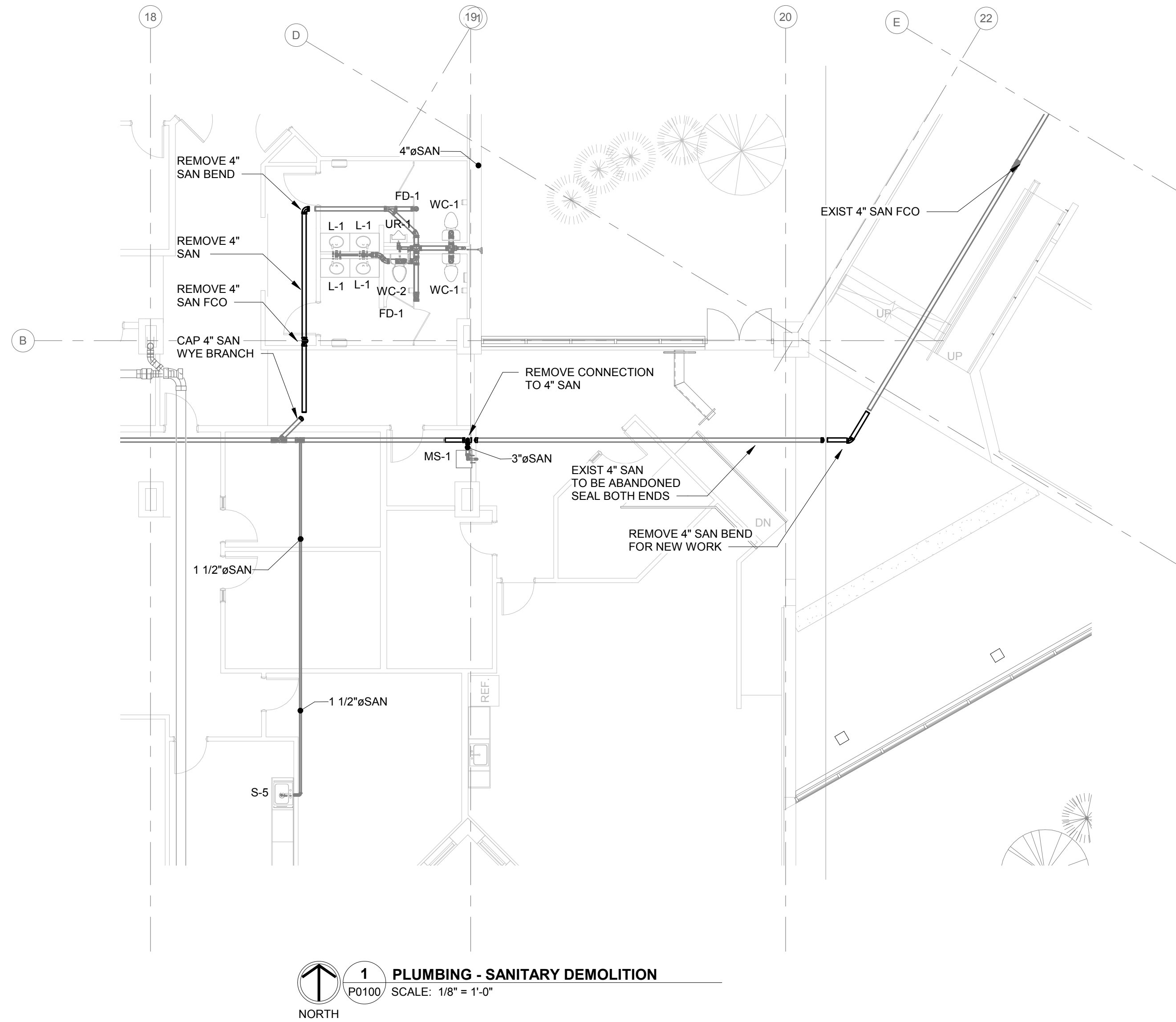
DLZ OHIO, INC

SHEET 41

OF 45

DRAWING NUMBER

E0102



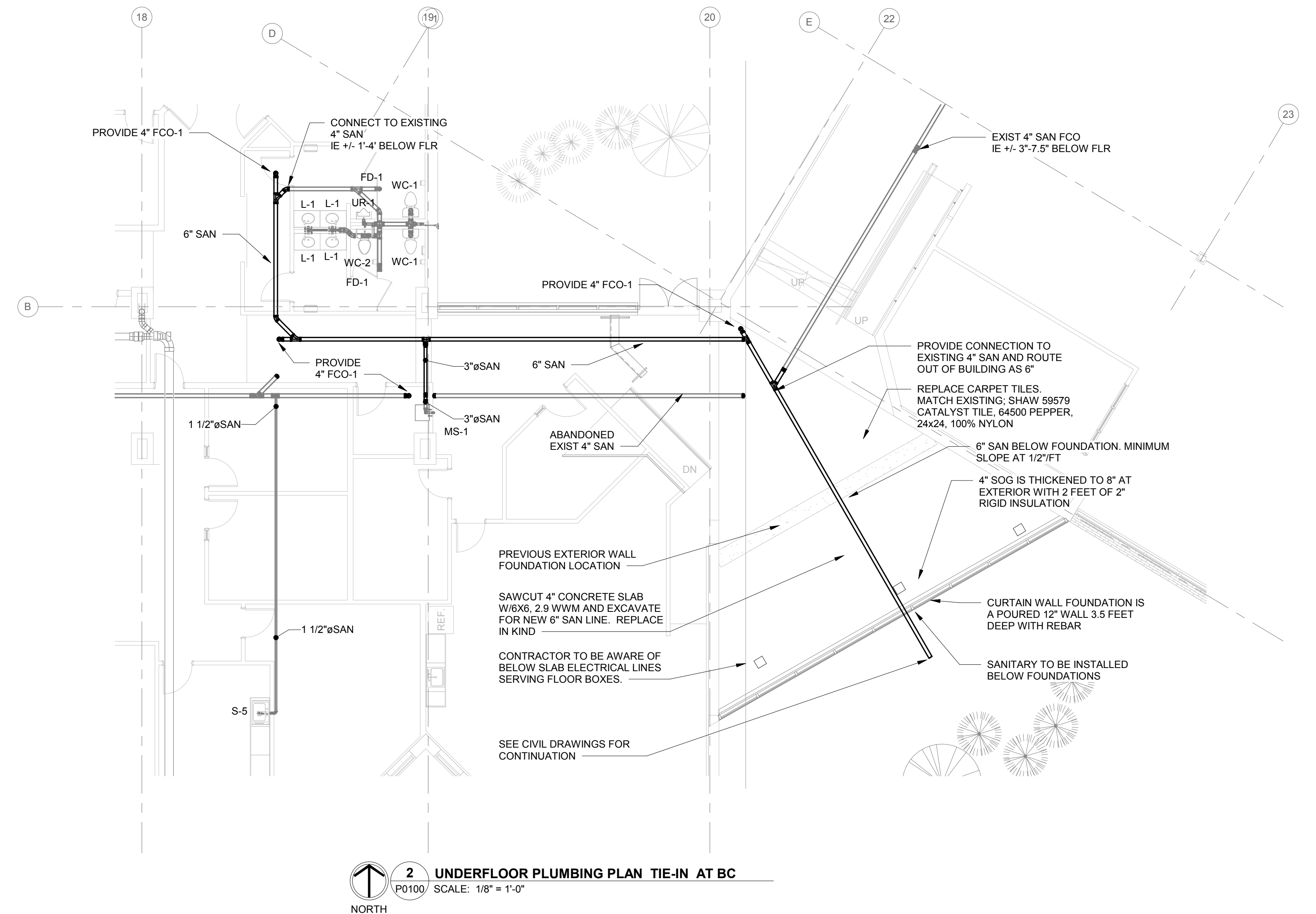
1 PLUMBING - SANITARY DEMOLITION
 P0100 SCALE: 1/8" = 1'-0"
 NORTH

PLUMBING GENERAL NOTES

1. INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
2. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
3. IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S).
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.
5. ALL PLUMBING SERVICES GOING INTO THE BUILDING AND LEAVING THE BUILDING SHALL BE CONNECTED TO THE SITE UTILITIES. COORDINATE WITH SITE UTILITIES DWGS. COORDINATE ALL EXTERIOR UNDERGROUND PLUMBING WORK WITH THE SITE UTILITIES BEFORE COMMENCING WORK. COORDINATE ALL UNDERGROUND PIPING WITH FOUNDATION DRAWINGS.
6. ALL PLUMBING PIPING IN TRENCHES SHALL REMAIN OPEN UNTIL INSPECTED, TESTED, AND APPROVED BY THE GOVERNING AUTHORITY HAVING JURISDICTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE BARRICADES AND SIGNS TO ALL UNCOVERED TRENCHES FOR PUBLIC SAFETY.
7. ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE UNIFORM PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF OHIO WITH OHIO AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.

PLUMBING SYMBOLS

----- A	COMPRESSED AIR
----- CW	DOMESTIC COLD WATER
----- G	NATURAL GAS
----- HW	DOMESTIC HOT WATER
----- HWR	HOT WATER RETURN
----- SAN	ABOVE GROUND SANITARY
----- SAN	BELOW GROUND SANITARY
----- ST	STORM
----- V	ABOVE GROUND VENT
----- V	BELOW GROUND VENT
	BALL VALVE
	CALIBRATED BALANCING VALVE
	CHECK VALVE
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	DOWNSPOUT NOZZLE



2 UNDERFLOOR PLUMBING PLAN TIE-IN AT BC
 P0100 SCALE: 1/8" = 1'-0"
 NORTH



ISSUED FOR BIDDING:
 09/05/2019

AKRON

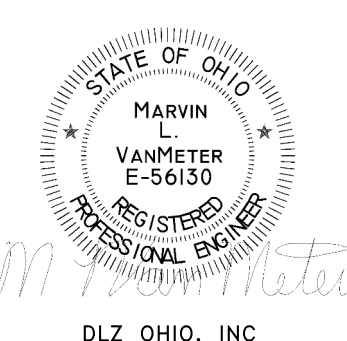
SUMMIT COUNTY PUBLIC HEALTH
 FAIRWAY CENTER SANITARY SEWER IMPROVEMENTS

OHIO

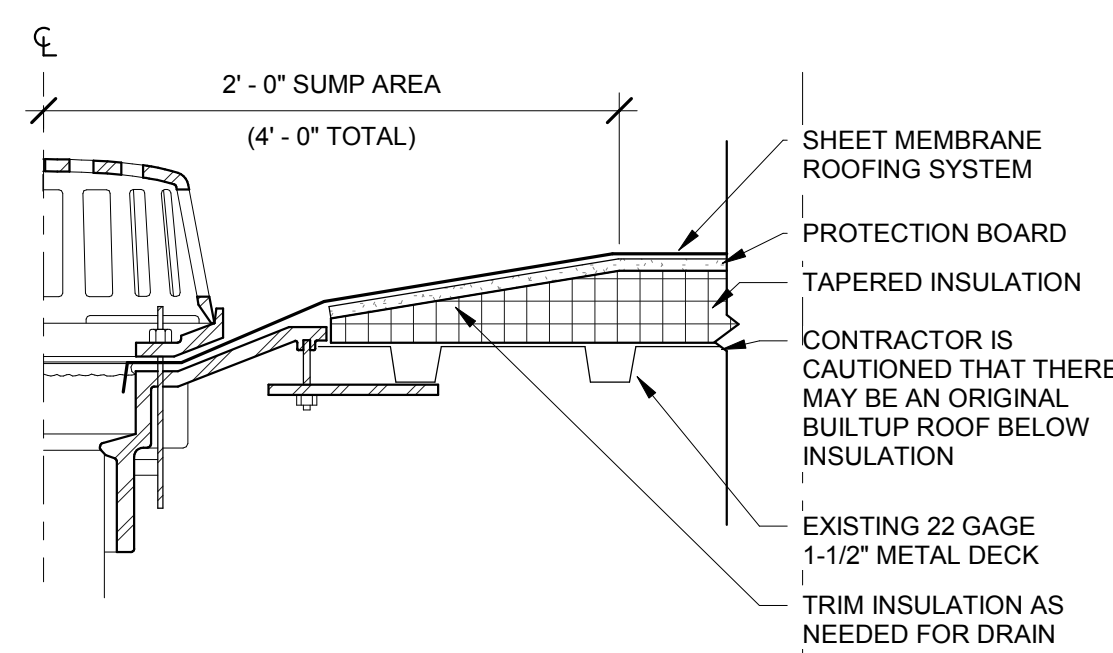
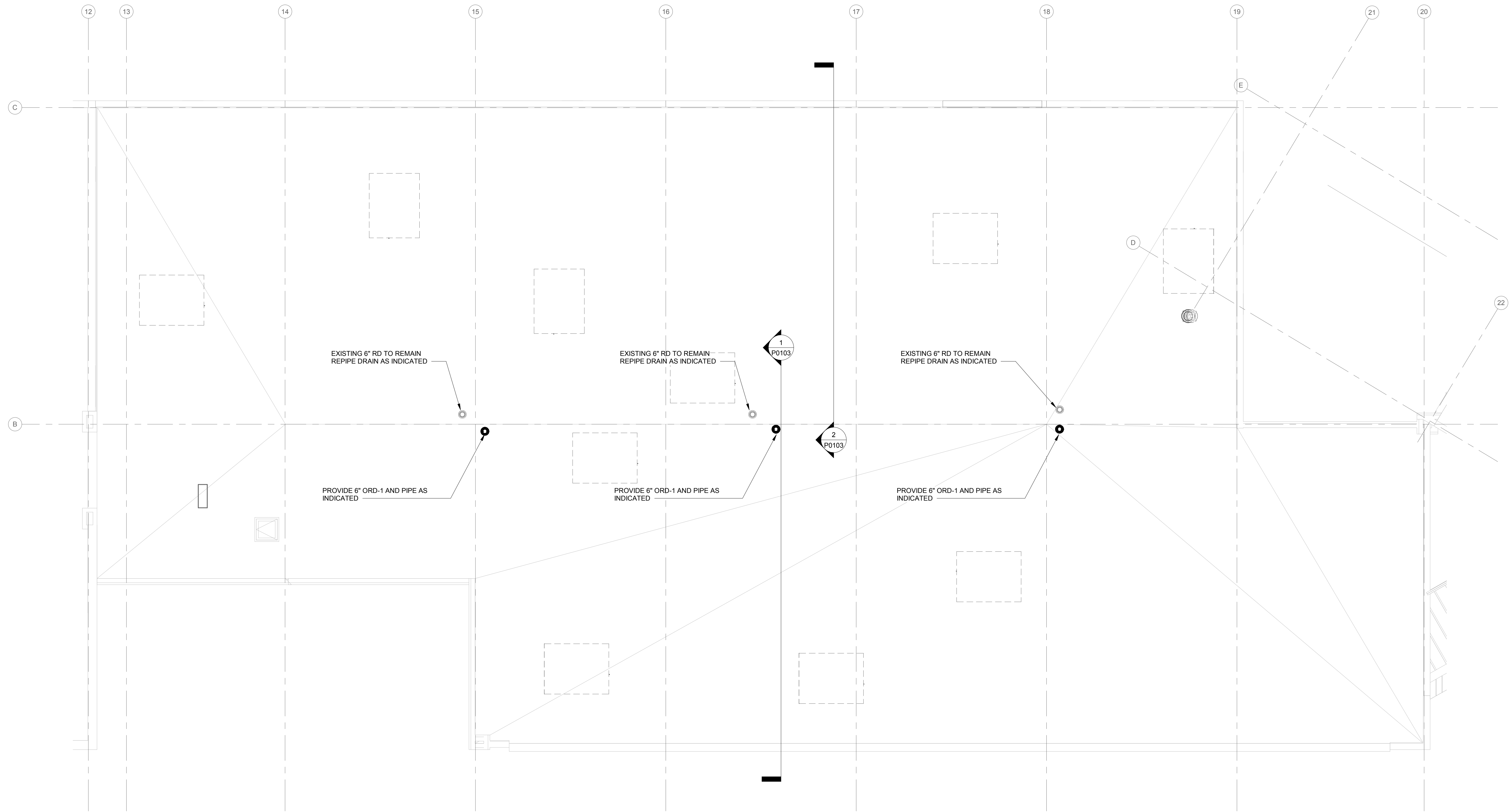
PLUMBING
 SANITARY PLANS PHASE I

DRAWN: MLV CHK'D: JRA
 DESIGNED: MLV APPR'D: MLV
 DATE: JULY 2019
 HORIZ. SCALE:
 VERT. SCALE:
 PROJECT NUMBER
 1922-6003-00

NO.	REVISION	BY	DATE

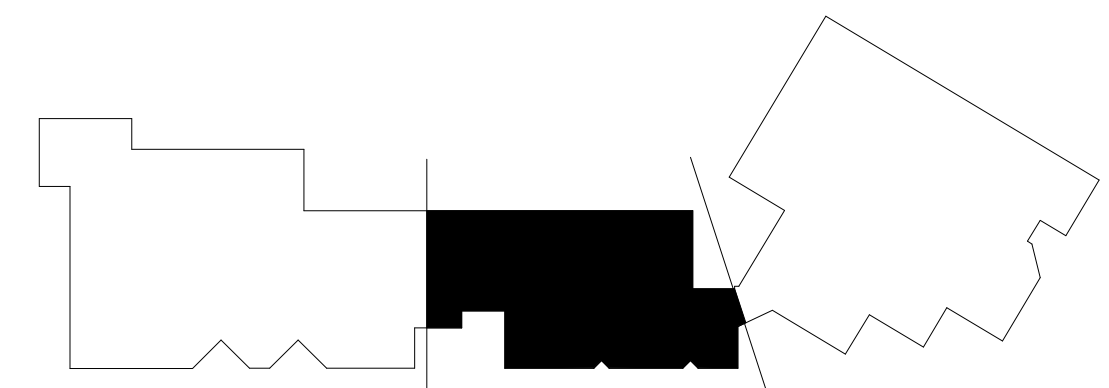
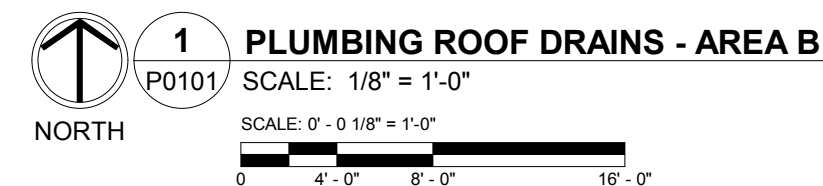


SHEET 42
 OF 45
 DRAWING NUMBER
 P0100



EXISTING SINGLE PLY ROOFING IS UNDER WARRANTY.
CONTACT JIM ARMSTRONG AT LAKESHORE ROOFING AND
SHEETMETAL AT 216-332-0444

2 TYPICAL ROOF DRAIN DETAIL
1 1/2" = 1'-0"



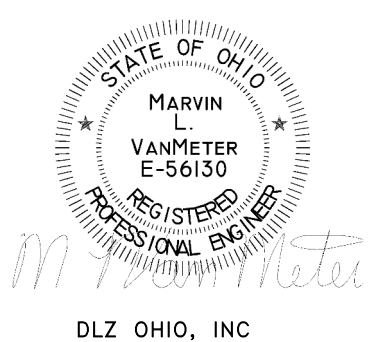
KEY PLAN - AREA B



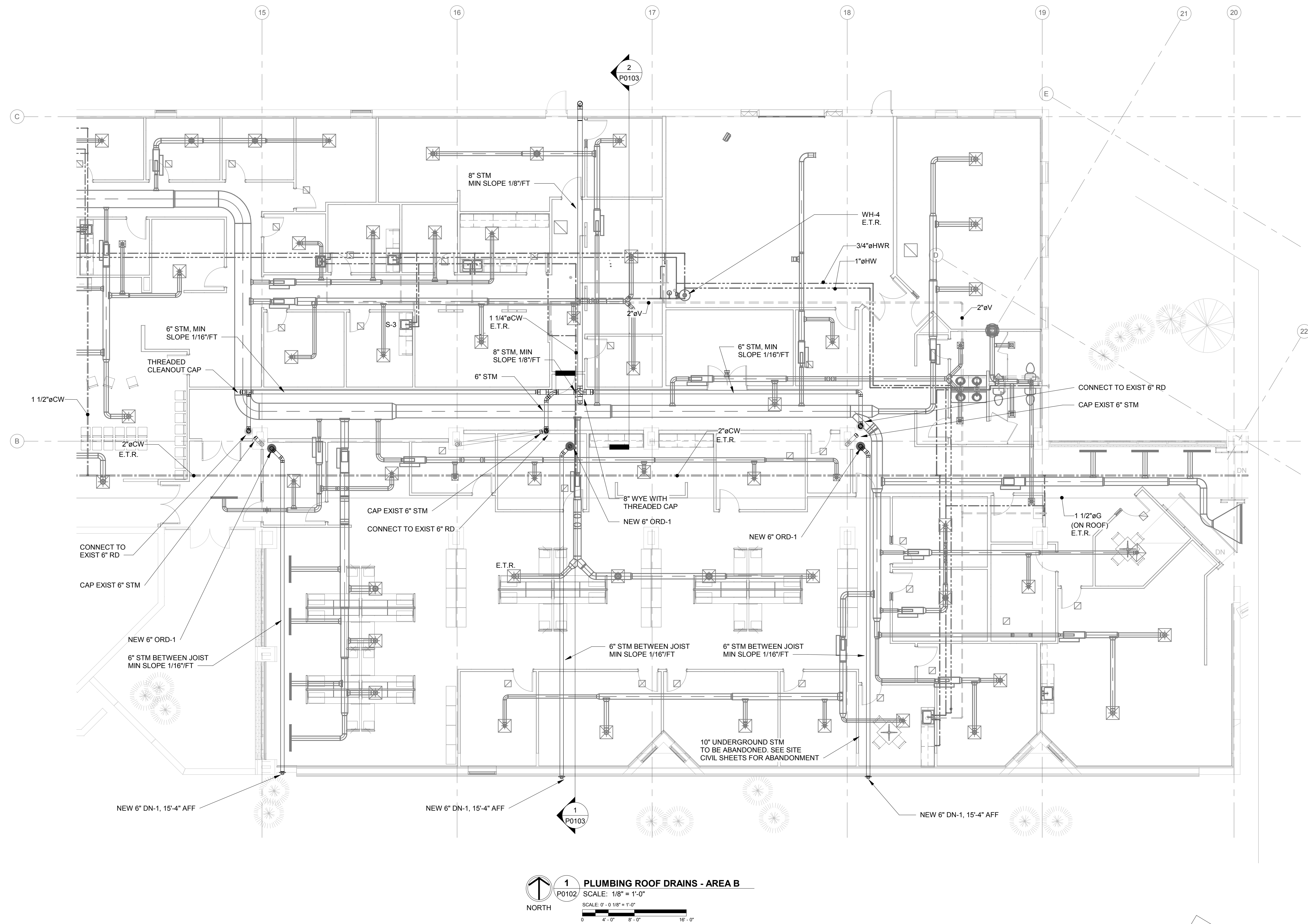
ISSUED FOR BIDDING:
09/05/2019

AKRON OHIO
SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SANITARY SEWER IMPROVEMENTS
PLUMBING
ROOF PLAN - AREA B PHASE II

DRAWN: MLV	CHK'D: JRA	NO.	REVISION	BY	DATE
DESIGNED: MLV	APPR'D: MLV	1			
DATE: JULY 2019		2			
HORIZ. SCALE:		3			
VERT. SCALE:		4			
PROJECT NUMBER		5			
1922-6003-00		6			



SHEET 43
OF 45
DRAWING NUMBER
P0101



PLUMBING GENERAL NOTES

1. INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
2. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
3. IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S).
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS. ALL PLUMBING SERVICES GOING INTO THE BUILDING AND LEAVING THE BUILDING SHALL BE CONNECTED TO THE SITE UTILITIES, COORDINATE WITH SITE UTILITIES DWGS. COORDINATE ALL EXTERIOR UNDERGROUND PLUMBING WORK WITH THE SITE UTILITIES BEFORE COMMENCING WORK. COORDINATE ALL UNDERGROUND PIPING WITH FOUNDATION DRAWINGS.
5. ALL PLUMBING PIPING IN TRENCHES SHALL REMAIN OPEN UNTIL INSPECTED, TESTED, AND APPROVED BY THE GOVERNING AUTHORITY HAVING JURISDICTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE BARRICADES AND SIGNS TO ALL UNCOVERED TRENCHES FOR PUBLIC SAFETY.
6. ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE UNIFORM PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF OHIO WITH OHIO AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.

PLUMBING SYMBOLS

---	A	COMPRESSED AIR
---	CW	DOMESTIC COLD WATER
---	G	NATURAL GAS
---	HW	DOMESTIC HOT WATER
---	HWR	HOT WATER RETURN
---	SAN	ABOVE GROUND SANITARY
---	SAN	BELOW GROUND SANITARY
---	ST	STORM
---	V	ABOVE GROUND VENT
---	V	BELOW GROUND VENT
---	⊗	BALL VALVE
---	⊕	CALIBRATED BALANCING VALVE
---	∇	CHECK VALVE
---	RD	ROOF DRAIN
---	ORD	OVERFLOW ROOF DRAIN
---	DN	DOWNSPOUT NOZZLE

PLUMBING BASIS OF DESIGN

SANITARY	N/A	DFU'S
STORM	18,300	S.F.
COLD WATER	N/A	WSFU'S
GAS	N/A	CFH

PLUMBING NOTES

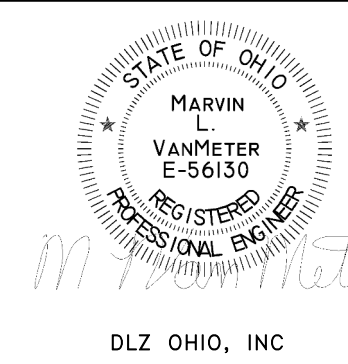
1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING CEILING TILES FOR THIS WORK. TILES TO MATCH EXISTING LAYIN CEILING SYSTEMS (USG RADAR HIGH CAC, HIGH NRC UNITS).
2. CONTRACTOR IS RESPONSIBLE FOR DAILY CLEANING OF WORK AREAS.



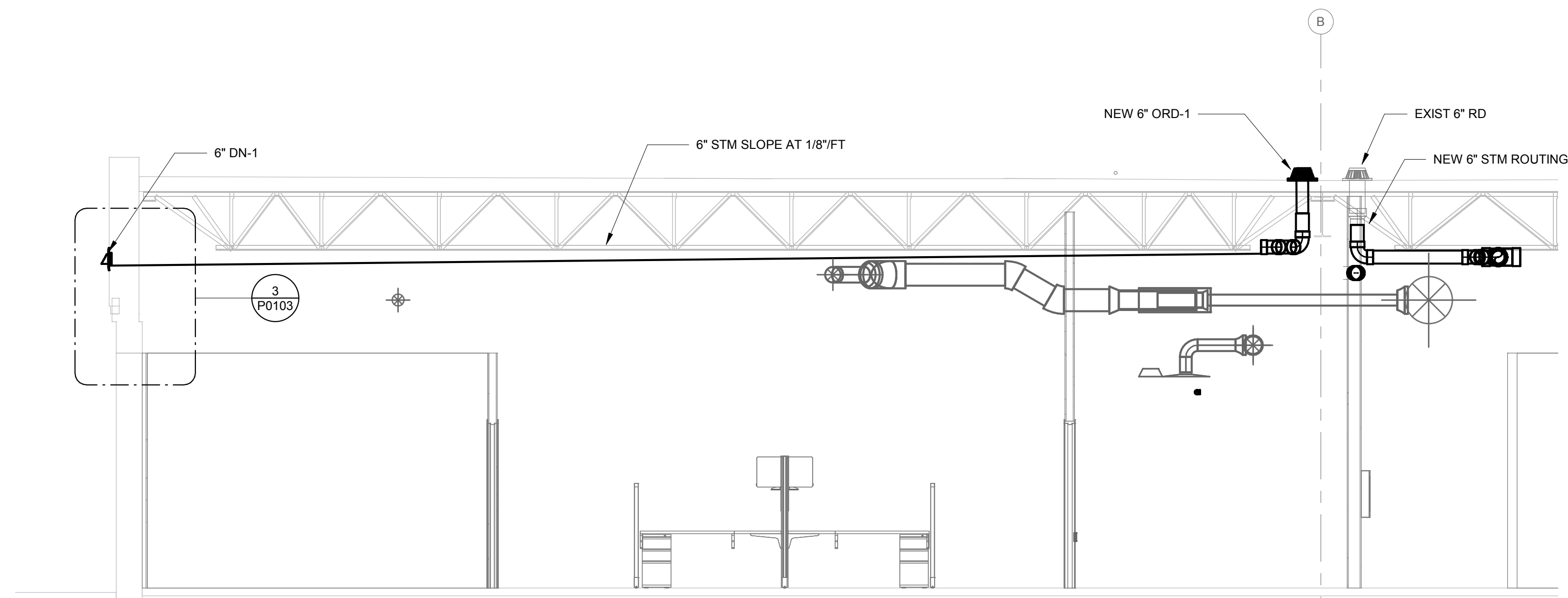
ISSUED FOR BIDDING:
09/05/2019

AKRON OHIO
SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SANITARY SEWER IMPROVEMENTS
PLUMBING
STORM PIPING - AREA B PHASE II

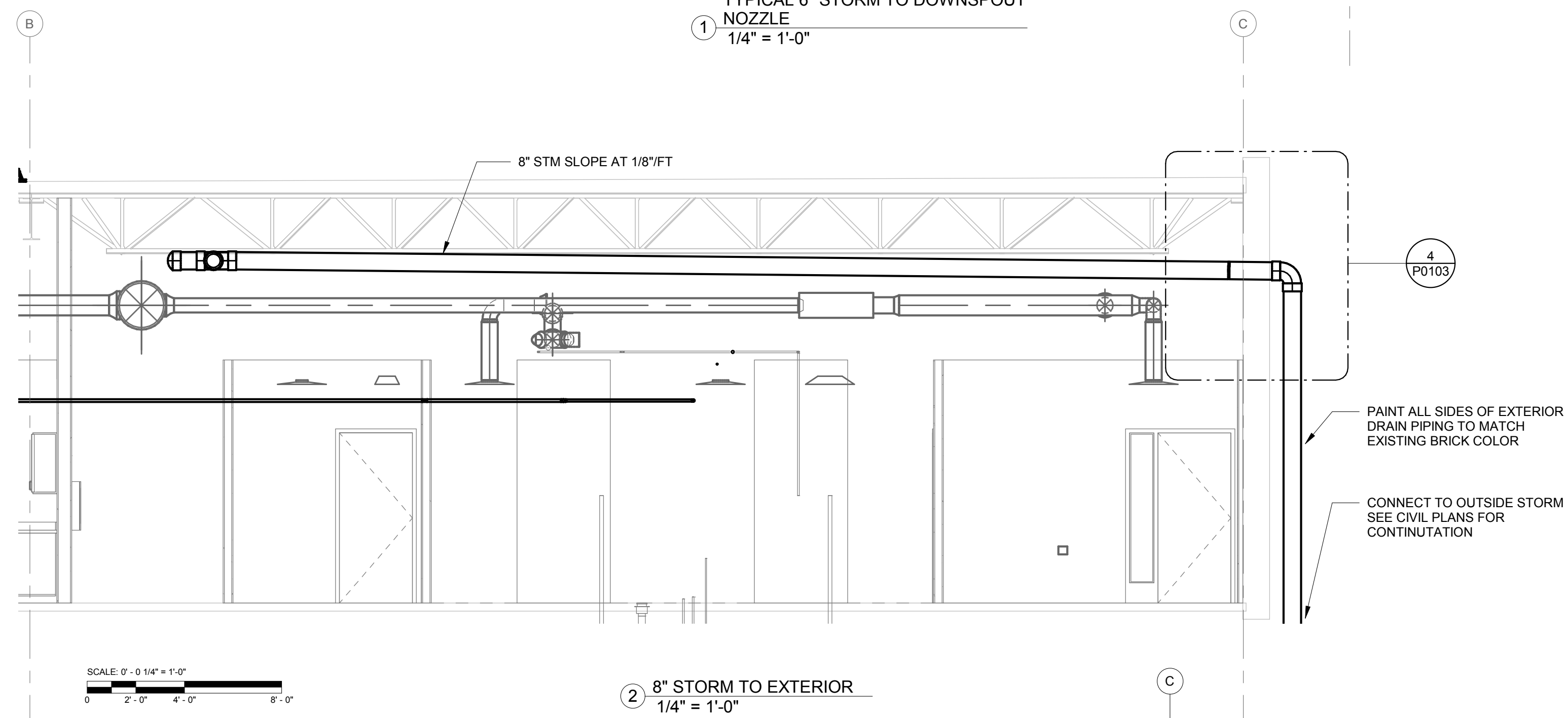
NO.	REVISION	BY	DATE
1	DRAWN: MLV CHK'D: JRA		
2	DESIGNED: MLV APPR'D: MLV		
3	DATE: JULY 2019		
4	HORIZ. SCALE:		
5	VERT. SCALE:		
6	PROJECT NUMBER		
7	1922-6003-00		



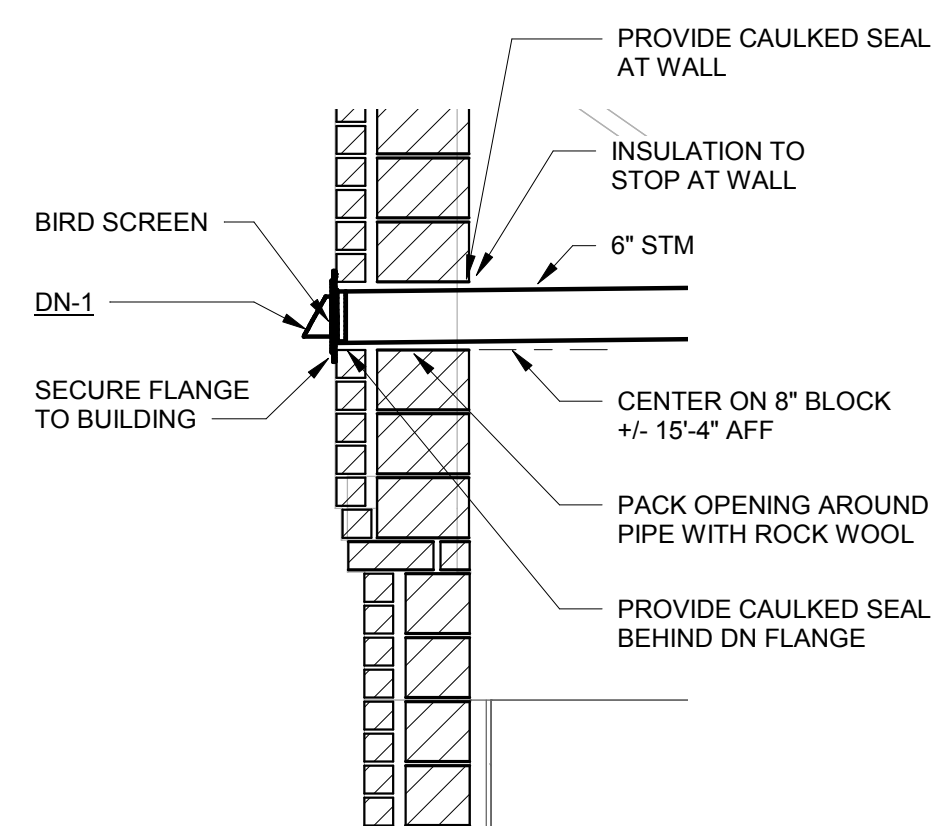
SHEET 44
OF 45
DRAWING NUMBER
P0102



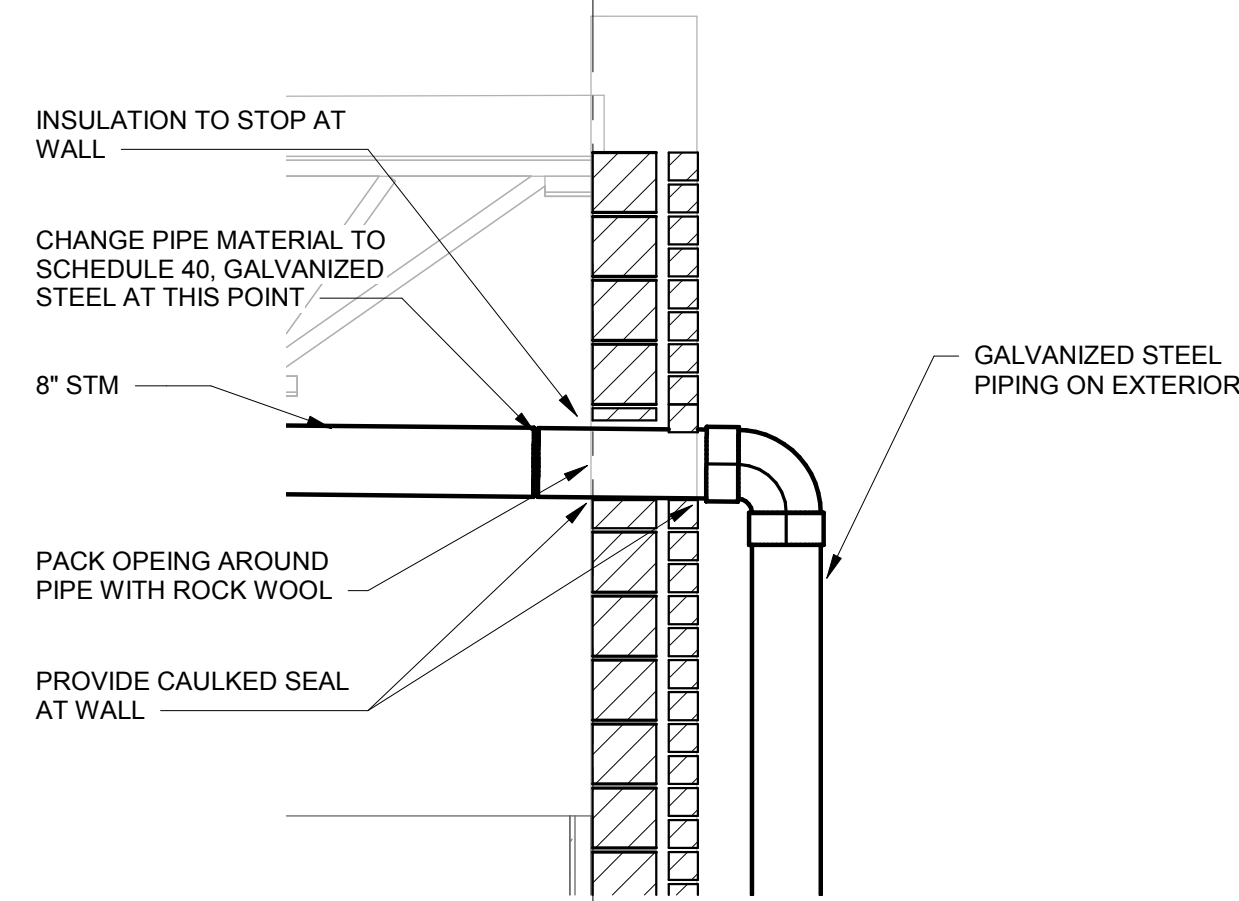
1 TYPICAL 6" STORM TO DOWNSPOUT NOZZLE
1/4" = 1'-0"



2 8" STORM TO EXTERIOR
1/4" = 1'-0"



3 DOWNSPOUT NOZZLE DETAIL
1/2" = 1'-0"



4 EXTERIOR STORM DROP
1/2" = 1'-0"

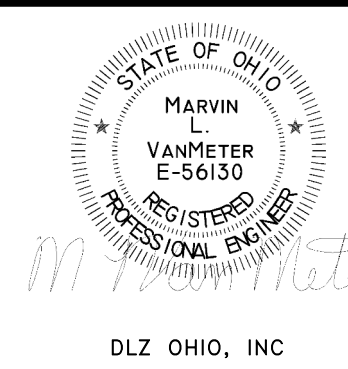
PLUMBING SCHEDULE					
PUMP NO.	FUNCTION	WATTS MODEL NO.	TYPE	PIPE SIZE	REMARKS
ORD-1	OVERFLOW ROOF DRAIN	RD-100-R	ORD W/ 2" DAM	6"	EPOXY COATED CAST IRON OVERFLOW DRAIN WITH FLASHING CLAMP AND D2" HIGH INTEGRAL DAM. PROVIDE WITH SUMP RECEIVER, ALUMINUM DOME AND STAINLESS STEEL MESH DOME COVER
DN-1	DOWNSPOUT NOZZLE	RD-940	DN	6	NICKEL BRONZE DOWNSPOUT NOZZLE WITH ANCHOR FLANGE PROVIDE WITH STAINLESS STEEL BIRD SCREEN
FCO-1	FLOOR CLEANOUT	CO-200-RX	RND	4	EPOXY COATED CAST IRON ADJUSTABLE ROUND FLOOR CLEANOUT. GASKETED BRASS PLUG



ISSUED FOR BIDDING:
09/05/2019

AKRON OHIO
SUMMIT COUNTY PUBLIC HEALTH
FAIRWAY CENTER SANITARY SEWER IMPROVEMENTS
PLUMBING
SECTIONS AND DETAILS PHASE II

NO.	REVISION	BY	DATE
1	DRAWN: MLV		
2	DESIGNED: MLV		
3	DATE: JULY 2019		
4	HORIZ. SCALE:		
5	VERT. SCALE:		
6	PROJECT NUMBER		
7	1922-6003-00		



SHEET 45
OF 45
DRAWING NUMBER
P0103