#### **SECTION 009111 - ADDENDUM NUMBER 2**

#### **PARTICULARS**

- 1.1 DATE: DECEMBER 16, 2024
- 1.2 PROJECT: FULTON CO. PUBLIC LIBRARY: ADDITION, RENOVATIONS & SITE IMPROVEMENTS TO: AUBBEE, FULTON & ROCHESTER LIBRARIES
- 1.3 PROJECT NUMBER: 24029
- 1.4 OWNER: FULTON COUNTY PUBLIC LIBRARY, 320 W. 7TH STREET, ROCHESTER, IN 46975
- 1.5 ARCHITECT: ODLE MCGUIRE SHOOK MATTHEW R. MAYOL #IN19900090



#### TO: PROSPECTIVE BIDDERS:

- 2.1 THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND MODIFIES THE ORIGINAL PROCUREMENT DOCUMENTS DATED NOVEMBER 15, 2024, WITH AMENDMENTS AND ADDITIONS NOTED BELOW.
- 2.2 ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE BID FORM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.
- 2.3 THIS ADDENDUM CONSISTS OF 35 PAGES AND THE FOLLOWING DRAWINGS: G002, C0.0, C0.1, C1.0, C2.0, C3.0, C3.1, C7.0, C7.1, L100, L101-L102, L200, L201, E101 AND E105

#### 2.4 GENERAL:

- A. There was a second Pre-Bid meeting held on Wedesday, December 11. Copies of the Pre-Bid Sign-In-Sheets are attached to this Addendum for reference only.
- B. If an alternative site visit date is needed, *Bidders may contact the Library directly for a site visit during regular business hours by contacting Maintenance Director Phil Dilley (574) 270-0746 or Library Director Andrea Roe (574) 223-1002. Please contact the Architect directly if you need assistance (317) 408-9566, mmayol@omscorp.net.*
- C. Bidder questions are as follows:
  - 1. Q: At Rochester Library, do the plans call for extending the existing sprinkler system into the other half of the building.
    - a. A: No. Sprinklers in the south half of the building are not required.
  - 2. Q: Can you share Planholder lists?

- a. A: Yes. Planholder lists will be added for reference only (and updated periodically) at the following link:
- 1) https://omscorp.sharefile.com/d-s7283e74acbe64eb6a03bc016d707f5bd
- 3. Q: INSULATION SPEC 072100 is the Architect wanting the ABAA requirement for the fluid applied only?
  - a. A: Yes, correct. ABAA for fluid applied applications only.
- 4. Q: Please clarify intent of Unit Price #2. Is this only the walls that correspond with Unit Price #1?
  - a. No, Unit Price #2 is intended for paint to any surface that may not be called out in the Drawings. Unit Price #2 may, or may not include painting on Unit Price #1 walls.
- Q: Rochester Library: A105 Plan Note 4 states that the new folding partition is an Alternate. The folding partition is not an Alternate option in the Specifications. Please clarify
  - The folding partition wall is Base Bid. Disregard the word "Alternate on A105 Plan Note 4.
- 6. Q: Aubbee Branch Library: DA101 RCP / M101 In areas where new duct and gas line is to go over GBW ceilings, is the intend to be completed in the attic space, or should new GWB ceilings be inlouded in these areas?
  - a. A: The intent is to route new gas lines and duct in the existing attic. If portions of existing GWB ceilings need to be removed and replaced to insatll the systems, it will be considered an unforseen condition and handeld by an Allowance.
- 7. Q: Aubbee Branch Library: F101-FF&E RELOCATION in noted to be supplied by Owner, coordinated by GC, does this inlcude the removal of FF&E in Note 4?
  - All items on DA101-DEMO PLAN & CEILING PLAN are the responsibility of the General Contractor. Demo note references on F101 are intended for the Owner's Shelving, Furniture & Equipment Mover.
- 8. Q: Aubbee Branch Library:
  - a. Q: C0.1-General Note #25- Calls for a unit price for structure repair but this is not indicated on the Bid Form. Please clarify if this is required?
    - 1) A: No, this is not required. Disregard the Unit Price in Note #25.
  - b. Q: C1.1-Note 5 calls for existing structure to be removed and all connecctions to be routed ot new storm sewer. Is the new strom sewer referencing the French drain? No new structures are identified outside of the French drain.
    - A: Correct, route connections to the French drain.
  - c. Q: C0.1-Demo Note #13 calls for dewatering to be included, can you please clarify the extent that should be provided as there are not additions or major alterations at which ground water should be an issue? Geotech report calls aout "a seasonal high ground water table greater than 80 incehes below natural ground surface."

- 1) A: Disregard Demo Note #13 on C0.1.
- d. Q: C3.1-Can a specification be provided on the Pavedrain unit?
  - 1) A: Yes. This will be provided in a subsequent Addendum.

#### **CHANGES TO PRIOR ADDENDA: NONE**

#### **CHANGES TO THE PROJECT MANUAL - SPECIFICATIONS:**

#### 4.1 SECTION 004113-CONTRACTOR'S BID FOR PUBLIC WORKS

A. Replace Section 004113 in it's entirety with attached section ADD.2-04113-Contractor's Bid for Public Works.

#### 4.2 SECTION 012300-ALTERNATES

A. Replace this Section in its entirety which adds Paragraph 1.4 Schedule of Alternates C. Alternate No. 3: Site Improvements at Rochester Library.

#### 4.3 SECTION 102239-FOLDING PANEL PARTITIONS

- A. Add Coreflex Operable Partitions as an approved Manufacturer.
  - 1. Corflex Series 5500 Paired Panel Partition System
  - 2. (877) 410-2422; corflex.ca
  - 3. Mfgr Rep. Doug Holmes: (312) 480-1566; doug.holmes@structuraspec.com; dholmes@corflex.ca.

#### 4.4 SECTION 096766-FLUID APPLIED ATHLETIC FLOORING

- A. Add Monoflex as an approved Manufacturer.
  - 1. Monoflex 9+2
  - 2. Champion Flooring | PH: 620-232-2671 | 1820 E. 27th Terrace Pittsburg, KS 67662 |
  - 3. www.ChampionFlooring.biz | Mfgr Rep: Chuck Gonzales; 503-547-5521

#### **CHANGES TO DRAWINGS:**

#### 5.1 DRAWING L100-FULTON BRANCH PLANTING PLAN & PLANT DETAILS

A. Change the plant symbol on Planting Plan from WG to WC to match Plant Schedule.

#### 5.2 ROCHESTER LIBRRARY: DRAWING A105 REFLECTED CEILING PLAN AREA A

A. Plan Note 4: Delete the word "ALTERNATE". The folding partion wall is Base Bid.

# 5.3 ADD THE FOLLOWING DRAWINGS FOR ROCHESTER SITE IMPROVEMENTS ALTERNATE NO. 3:

- A. G000-COVER SHEET
- B. G002-ADD.2 SITE PLAN & SITE SCOPE
- C. C0.0-aCOVER SHEET
- D. C0.1-ADD.2 GENERAL NOTES AND SPECIFICATIONS
- E. C1.0-ADD.2 EXISTING CONDITIONS/DEMOLITION PLAN
- F. C2.0-ADD.2 SITE DEVELOPMENT PLAN
- G. C3.0-ADD.2GRADING AND DRAINAGE PLAN
- H. C3.1-ADD.2 DRAINAGE PLAN

- I. C7.0-ADD.2 CONSTRUCTION DETAILS
- J. C7.1-ADD.2 CONSTRUCTION DETAILS
- K. L100-ADD.2 LANDSCAPE DEMO & SALVAGE DRAWING
- L. L101-ADD.2 SITE AMENITY PLAN SOUTH & DETAILS
- M. L102-ADD.2 SITE AMENITY PLAN NORTH & DETAILS
- N. L200-ADD.2 LANDSCAPE PLAN SOUTH
- O. L201-ADD.2 LANDSCAPE PLAN NORTH
- P. E101-ADD.2 SITE LIGHTING PLAN
- Q. E105-ADD.2 SITE PHOTOMETRIC PLAN

**END OF SECTION** 

# SECTION 009111.10 - PRE-BID CONFERENCE AGENDA NO. 2 FULTON COUNTY PUBLIC LIBRARY:

DATE: DECEMBER 11, 2004

2.1 PROJECT: FULTON CO. PUBLIC LIBRARY: ADDITION, RENOVATIONS & SITE

IMPROVEMENTS TO: AUBBEE, FULTON & ROCHESTER

2.2 PROJECT NUMBER: 24029

2.3 INTRODUCTIONS: MATT MAYOL, OMS PROJECT ARCHITECT

A. OMS requests everyone present please sign-in on the sheet provided.

### 2.4 GENERAL OVERVIEW OF PROJECT SCOPE:

A. The work consists of architectural / interiors, civil / landscape, mechanical, plumbing, and electrical work as indicated on the Bidding Documents for Fulton County Public Library Addition, Renovations & Site Improvements dated November 15, 2024.

### Work includes:

- a. Aubbee Branch Library:
  - Paving, sidewalk and storm drainage improvements including new plantings and landscaping; Vestibule door replacement; Womens and Mens Toilet renovations for ADA; Interior floor, wall and ceiling finish renovations; new HVAC in the Meeting Room; Lighting replacements and miscellaneous other renovations.
- b. Fulton Branch Library:
  - Paving, sidewalk and storm drainage improvements including new plantings and landscaping; Vestibule addition for safety, security ADA and energy efficiency; Interior floor, wall and ceiling finish renovations; New bottle filler, new HW recirculation pump; Lighting replacements and miscellaneous other renovations.
- c. Rochester Library:
  - 1) Interior renovations to relocate the Main Circulation Desk, Teen Dept., Local History and Tech. Services Deaprtments. Create a new Maker Space area and new Small Conference / Quiet Study rooms; Interior floor,wall and ceiling finish renovations; Vestibule door replacements; Removal of exterior landscape planters and associated masonry repairs; Plumbing upgrades: Lighting replacements and, miscellaneous other renovations.

#### 2.5 TYPE OF BID:

- One Stipulated Sum Contract.
- B. Bids will be received until 2:00p.m. Local Time, Wednesday, January 8, 2024 at the Rochester Library, 320 W. 7th Street, Rochester, IN 46975. Bids received after that time will be returned unopened.
- C. Bids will be publicly opened and read aloud.

### 2.6 TIME OF COMMENCEMENT AND COMPLETION:

- A. Notice to Proceed on or about: January 14, 2024. 5
- B. Substantial Completion: December 31, 2025.

### 2.7 PROCUREMENT OF DOCUMENTS:

A. Bidders may obtain Bidding Documents from ARC Document Solutions for the cost of reproduction plus shipping and handling. Documents can be ordered online at www.earc.com/location/south.bend/ via virtual ePlanroom or contact ARC Documents Planroom, 1303 Northside Blvd, South Bend IN 46615; email: southbend.orders@e-arc.com; Phone 574-287-2944; All payments and costs for printed Contract Documents and supplemental materials are non-refundable.

- B. Bidders may also obtain Bidding Documents from Eastern Engineering for the cost of reproduction plus shipping and handling. There is no cost for downloading the Bidding Documents. Documents can be ordered online at www.easternengineering.com via virtual ePlanroom or contact Eastern Engineering Plan Room, 1239 N Wells St., Fort Wayne, Indiana 46808; Phone (260) 969-6510. All payments and costs for printed Contract Documents and supplemental materials are non-refundable.
- C. Bidders may also obtain Bidding Documents from ReproGraphix for the cost of reproduction plus shipping and handling. Documents can be ordered online at www.reprographix.com via virtual ePlanroom or contact ReproGraphix Inc., 437 N. Illinois Street, Indianapolis, Indiana 46204; Phone: (317) 637-3377. Digital downloads of Contract Documents are available at no cost to plan holders. All payments and costs for printed Contract Documents and supplemental materials are non-refundable.

### 2.8 BID SECURITY:

A. Five percent (5%) Bid Security shall accompany each Bid.

#### 2.9 PERFORMANCE AND PAYMENT BOND:

A. In the amount 100% of Contract Sum will be required from the successful Bidder.

#### 2.10 CONDITION OF AWARD:

- A. The Owner reserves the right to accept or reject any Bid and to Waive irregularities in Bidding.
- B. The Project is financed using General Obligation Bonds. Contracts will be awarded contingent upon approval by the Owner.
- C. The Owner shall be granted 30 days to award a Contract but the intent is to issue Notice to Proceed on or around January 14, 2024. 5

### 2.11 CONTRACTOR/SUBCONTRACTOR EMPLOYEES:

A. Contractor shall review Supplementary Conditions Section 007300 Article 13 for conditions regarding employment of workers. This refers to Equal Opportunity, Sexual Predator and Criminal History Backgrounds.

#### 2.12 INSTRUCTIONS TO BIDDERS:

- A. AIA 701 Instructions to Bidders and Supplemental Instructions to Bidders are included in the Division One Specifications and should be reviewed by all Bidders.
- B. Contractor's Bid for Public Works is to be completed in full for Bids and is included in the Division One Specifications.
- C. The Agreement shall be AIA Document A101.

- D. AIA Document A201, "General Conditions of the Contract for Construction" shall be used and is included in the Division One Specifications.
- E. The Supplementary Conditions included in the Division 1 Specifications modify the General Conditions of the Contract for Construction and should be carefully reviewed by all Bidders.

#### 2.13 ALTERNATES:

A. 012300 - Altenrantes is included in the Division Zero One Specifications.

#### 2.14 ADDENDA:

- A. Addenda will be issued as required with the last addenda being issues no later than three (3) regular business days before bids are due.
- B. Questions concerning the Bidding Documents must be forwarded to the Project Architect no later than five (5) regular business days and will be answered by Addendum.

#### 2.15 ARCHITECT'S COMMENTS:

A.

- B. The Contract Documents are complementary, and what is required by one shall be binding as required by all.
- C. Bidders shall be required to provide what is called for in the Contract Documents. If the Contract Documents call for #53 Widgets, Bid #53 Widgets. Do not under any circumstances bid #52 Widgets and expect approval for use in the Project at a later date. "We didn't bid it that way" will not be an acceptable reason for a claim for extra money. Product Substitutions will be considered only in accordance with the Contract Documents (Reference Section 012513 for requirements).
- D. Each Contractor is responsible for reviewing the complete set of Drawings and Specifications to assure the Work required to be installed to complete his phase of the Work is included in his proposal.

#### 2.16 QUESTIONS:

- A. Questions concerning the Bidding Documents must be forwarded to the Project Architect and will be answered in writing by Addendum.
- Verbal questions and verbal answers will not be considered valid.

#### 2.17 TOUR:

A. A tour of the existing facilities will be conducted for interested Bidders to review existing conditions immediately following this Meeting. ALL BIDDERS ARE ENCOURAGED TO PARTICIPATE.



Joe Cox PM - Estimator

2529 N. Washington St. Kokomo, IN 46901-5847 765-438-6707 Cell 765-452-2090 Office 765-452-1276 Fax jcox@stelkoelectric.com www.stelkoelectric.com



ESTABLISHED 1919

Nic Michuda CM-Lean Project Manager

c 773-617-1934 D 708-928-8912

o 773-445-5505

nmichuda@michuda.com

Main Office:

18505 West Creek Drive, Suite 1A Tinley Park, IL 60477

Indiana Office:

115 South Court Street, Suite E Crown Point, IN 46307



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### Mike Duncan

Sr. Estimator/Project Manager

(765) 452-2669 Office (765) 461-9543 Cell (765) 204-0006 Fax

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nealing - Air Conditioning Refrigeration & Chiller Service Plumbing & Process Piping

> Industrial & Commercial · Service - Installation

Steel Fabrication

Matt Nafziger

Office 574.858.0242

matt.nafziger@core-m-s.com

Cell 317.455.8779

**Estimator** 

mduncan@hcibuilt.com

# CRISTIAN CARDENAS

- □ ccardenas@omrcc.com



#### **NIK CASWELL**

Junior Estimator ncaswell@kinderandsons.com

Office (260) 744-4359 Cell (260) 687-0337

6055 Innovation Blvd. Fort Wayne, Indiana 46818

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SETH HUITT, CET

Service/Inspection Manager

1454 3rd St Osceola, IN 46561

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

PLAN | DESIGN | BUILD

(574) 318-4109 Office 24-Hour (574) 732-7422 Mobile

seth.huitt@femoran.com



1/3

Renovations & Site Improvements to: Aubbee, Fulton & Rochester Libraries

Fulton County Public Library

NAME: Matt Natziger COMPANY NAME: Core Mechanica!
COMPANY NAME: Core Mechanical
PHONE: _3/7-455-8779
EMAIL: Mattenatziger e vore-m-s.com
NAME: Joe lox
COMPANY NAME: STELK O Electric.
PHONE:
EMAIL: JCOX @ Stelko Electric, Con
NAME: Mile Duncan
COMPANY NAME: Hearn Construction
PHONE: <u>765-461-9543</u>
EMAIL: mouncan a hoi built com
NAME: <u>Cristian</u> <u>Carpenters</u> COMPANY NAME: <u>Carpenters</u> Union  PHONE: <u>(574)</u> 526 - 4227
COMPANY NAME: Carpenters Unid
PHONE: (5+4) 5 26 - 42 27
EMAIL: CCardenas @ CMRCL - COM
NAME:
COMPANY NAME:
PHONE:
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NAME:
COMPANY NAME:
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EMAIL:
NAME:
COMPANY NAME:
PHONE:
EMAIL:
END OF OFOTION

**END OF SECTION** 

Renovations & Site Improvements to: Aubbee, Fulton & Rochester Libraries

NAME: MAY LANG
COMPANY NAME: HEARN CONSTRUCTION IN C
PHONE: 765. 614. 9451
EMAIL: Mlanga hai built.com
NAME: NC MICHULA
NAME: NC Michala  COMPANY NAME: Michala Construction Inc
PHONE: ((12)(17 ~ 1934)
EMAIL: nmichoda com
Michida, com
NAME:
COMPANY NAME:
PHONE:
EMAIL:
NAME:
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END OF SECTION

Renovations & Site Improvements to: Aubbee, Fulton & Rochester Libraries

NAME: SAM ALLBRITTEN
COMPANY NAME: GEL HALLING & GY (ALATING
PHONE: 574-554-8736
EMAIL: Sama Qgandghauling. com
NAME: Andrew Sures
COMPANY NAME: (MCC)
PHONE: 574-527-9352
PHONE: 574-527-9352 EMAIL: Ojones @cmrec.com
NAME:
COMPANY NAME:
PHONE:
EMAIL:
NAME:
COMPANY NAME:
PHONE:
EMAIL:
NAME:
COM AT NAME.
PHONE:
EMAIL:
NAME:
COMPANT NAME:
PHONE:
EMAIL:
NAME:
COMPANY NAME:
PHONE:
EMAIL:

Prescribed by State Board of Accounts

Form No. 96 (Revised 2013) Modified for this Project

# CONTRACTOR'S BID FOR PUBLIC WORKS PART I

(To be completed for all bids) (Please type or print)

	Date (month, day, year):,	2024
GOVERNMENTAL UNI COUNTY:	Γ (OWNER): Fulton County Public Library Fulton	
BIDDER (Firm):		
STREET ADDRESS:		
CITY/STATE/ZIPcode:		
PHONE NUMBER:		
EMAIL:		
public works project ider Renovations and Site I November 15, 2024, prepa	the undersigned offers to furnish labor and/or material necessary to complete tiffied as the complete Work for Fulton County Public Library Admprovements 2024 in accordance with the Bidding Documents ared by Odle McGuire Shook, Indianapolis, Indiana and its consultants, as for	diton, dated
BASE BID: For the sum o		
(Show amounts in both wo	DOLLARS (\$) ords and figures. In case of discrepancy, the amount in words shall govern	າ.)
The undersigned further aç Advertisement for Bids.	rees to furnish a bond or certified check with this bid for an amount specified	in the
ALLOWANCES INCLUDE	ED WITH BASE BID (Reference Section 012100 – Allowances for	
further information):	DOLLARS (\$	)
TOTAL BASE BID:	DOLLARS (\$	)

**ALTERNATES:** The amounts listed below for each Alternate include costs, related coordination, modifications, and adjustments to the Work. Include as part of each Alternate miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not described as part of the Alternate. Respond to each Alternate even if acceptance or rejection of an Alternate will not change the Bid Amount. Where (Add to) (Deduct from) choice occurs, indicate definitively the appropriate action. Do not include Alternate work in the Base Bid. (Reference Section 01230 - Alternates for further information.)

#### ALTERNATE BID NO. 1: RUBBER FLOOR AT FULTON BRANCH LIBRARY

Add to the Base E	Bid the sum of	
	DO  ooth words and figures. In case of discrepancy, the	OLLARS (\$)
(Show amounts in I	ooth words and figures. In case of discrepancy, the	amount in words shall govern.)
ALTERNATE BID	NO. 2: RUBBER FLOOR AT ROCHESTER L	IBRARY
Add to the Base E	Bid the sum of	
	DO	OLLARS (\$)
(Show amounts in I	poth words and figures. In case of discrepancy, the	amount in words shall govern.)
ALTERNATE BID	NO. 3: SITEWORK IMPROVEMENTS AT RC	CHESTER LIBRARY
Add to the Base E	Bid the sum of	
	Dooth words and figures. In case of discrepancy, the	OLLARS (\$)
(Show amounts in t	ooth words and figures. In case of discrepancy, the	amount in words shall govern.)
work, the Contract S	s agreed that in the event it is found necessary to po Sum shall be adjusted by Change Order on the basis costs, overhead, taxes, insurance and profit.	
WORK CATEGOR	Y AND UNIT:	COST PER UNIT
Unit Price No. 1:	Level five (5) finish on existing drywall where previous wall surface was removed per square foot	\$
Unit Price No. 2:	Paint applied to smooth surface (CMU, Gypsum Board, or Plaster), up to 10'-0" Above finished floor per square foot	\$

**PRINCIPAL SUBCONTRACTORS:** In compliance with Form 96, Part II, "Section II Plan and Equipment Questionnaire" as required by the Indiana State Board of Accounts, which states in paragraph 2. "If you intend to sublet any portion of the work, state the name and address of each subcontractor, equipment to be used by the subcontractor, and whether you expect to require a bond". Each Bidder shall complete the completed Document 004336 – Subcontractor and Products list within 24 hours of the time stated for receipt of Bids. Failure to do so may disqualify the Bid.

**NON-DISCRIMINATION**: The Contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

**CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS:** I, the undersigned Bidder or agent as a contractor on this project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use United States steel products on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

**PROPOSAL TIME:** Bidder agrees that this Bid shall remain in force for a period of thirty (30) days from the due date, and Bids may be accepted or rejected at any time during this period. Bids not awarded within said time shall be deemed rejected.

ADDENDA: The bidder hereby acknowledges receipt of the following addenda:

Addendum No. \_\_\_\_ Dated

Addendum No. \_\_\_\_ Dated

Addendum No. \_\_\_\_ Dated

Addendum No. \_\_\_\_ Dated

**TIME OF COMMENCEMENT AND COMPLETION:** The Bidder agrees that, if awarded the Contract, Bidder will substantially complete the work, ready for occupancy by the Owner, in accordance with the schedule indicated in Section 01121 – Summary of Work (Saturdays, Sundays, and Holidays included) except for delays caused by Strikes, Acts of God, or other causes beyond the Contractor's control.

**GENERAL AGREEMENTS:** It is agreed the Bidder has examined the site of the Work and has examined the Bidding Documents therefor, and has carefully prepared this proposal upon the basis thereof, and the Bidder has carefully examined and checked this proposal and the materials, equipment, and labor required thereunder, the cost thereof, and the figures therefor, and hereby states that the amount or amounts set forth in this proposal is, or are correct, and that no mistake or error has occurred in this proposal or in the computations upon which this proposal is based, and the Bidder will make no claim for reformation, modification, rescission or correction of this proposal after the scheduled closing time for the receipt of proposals.

It is agreed the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

It is agreed the Owner will not be liable for any amount in excess of the lump sum bid, except as expressly stated in written change orders duly executed and delivered by the Owner.

It is agreed the Bidder has available all labor, materials, and products required to complete the Work.

#### **PART II**

(For Projects of \$150,000 or more – IC 36-1-12-4)
Complete sections I, II, III, and IV for all state and local public works projects as required by statutes.)
Governmental Unit: Fulton County Public Library

Bidder (Firm):			
Date:			
These statements are pages for each section SECTION I EXPERIE	on as needed.		ith and as part of each Bid. Attach additiona
What public vidate of the co	works projects has urrent bid?	your organization com	pleted for the period of one (1) year prior to the
Contract Amount	Class of Work	When Completed	Name and Address of Owner
What public v     Contract Amount	works projects are	now in progress of co When to be Completed	nstruction by your organization?  Name and Address of Owner
		Completed	
3. Have you ev	er failed to comple	te any work awarded t	to you? If so, where and why?
4. List reference	es from private firn	ns for which you have	performed work.

#### **SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE**

- Explain your plan or layout for performing proposed work. (Examples could include a narrative of when you could begin work, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)
- 2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.
- 3. If you intend to sublet any portion of the work, state the name and address of each subcontractor, equipment to be used by the subcontractor, and whether you will require a bond. However, if you are unable to currently provide a listing, please understand, a listing must be provided prior to contract approval. Until completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.
- 4. What equipment do you have available to use for the proposed project? Any equipment to be used by subcontractors may also be required to be listed by the governmental unit.
- 5. Have you made contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which would corroborate the prices listed.

#### SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the project if awarded.

#### SECTION IV CONTRACTOR'S NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to include anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

### **SECTION V OATH AND AFFIRMATION**

I hereby affirm under the Public Works are true ar	penalties for perjury that nd correct.	the facts and information cont	ained in the foregoing Bid fo
Dated at	this	day of	, 20
		·(Nar	me of Organization)
	ВУ	<b>′</b>	
		(Title	e of Person Signing)
ACKNOWLEDGEMENT	-		
STATE OF	)   SS:		
COUNTY OF	) 55:		
Before me, a Notary Pub	olic, personally appeared	I the above-named	,
and swore that the state	ments contained in the f	oregoing document are true a	and correct.
Subscribed and sworn to	before me this	day of	, 20
		Nota	ary Public
My Commission Expires	:		
County of Residence: _			
END OF BID FORM			

Part of State Form 52414 (R2 / 2-13) / Form 96 (Revised 2013)
BID OF
(Contractor)
(Address)
FOR
PUBLIC WORKS PROJECTS
OF
Filed,
Action taken

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**IMPROVEM** 

SITE

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# BUILDING RENOVATIONS & SITE IMPROVEMENTS TO: ROCHESTER PUBLIC LIBRARY

320 W. 7TH STREET, ROCHESTER, INDIANA, 46975, FULTON COUNTY

100% CONSTRUCTION DOCUMENTS

**OMS PROJECT NUMBER: 24029** 

**PRESIDENT** 

**SECRETARY** 

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VICE PRESIDENT

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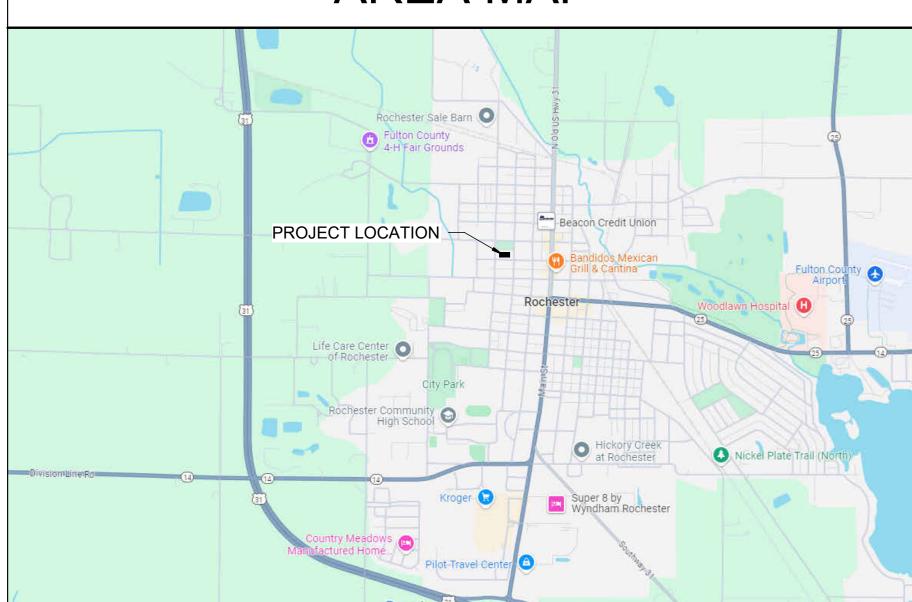
LIBRARY DIRECTOR

**BUSINESS MANAGER** 

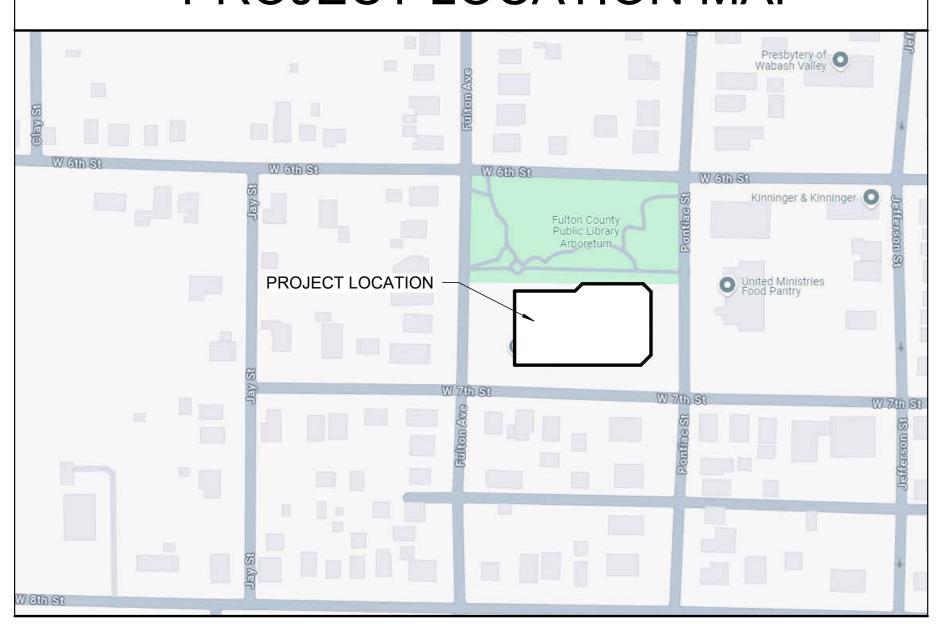
ISSUE DATE: NOV. 15, 2024

BOARD OF THE FULTON COUNTY PUBLIC LIBRARY TRUSTEES 320 W. 7TH STREET ROCHESTER, INDIANA, 46975

# **AREA MAP**



# PROJECT LOCATION MAP



	GENERAL	
	G000	COVER SHEET
	G001	CODE SUMMARY & LIEE SAFETY PLAN
	_G002	SITE PLAN & SITE SCOPE)——ADD2
	_G002-A	ARCHITECTURAL SITE PLAN
	_G003	ACCESSIBILITY REFERENCE
	_G005	PHASING PLANS
		AÓD2
	CIVIL	······························
	C0.0	COVER SHEET
V	C0.1	GENERAL NOTES AND SPECIFICATIONS
	C1.0	EXISTING CONDITIONS / DEMOLITION PLAN
	C2.0	SITE DEVELOPMENT PLAN
	C3.0	GRADING AND DRAINAGE PLAN
(	C3.1	DRAINAGE PLAN  CONSTRUCTION DETAILS  ADD2  ADD2
$\rangle$	C7.0	CONSTRUCTION DETAILS —
١	C7.1	CONSTRUCTION DETAILS
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	LANDSCAPE	LANDOGADE DEMOLITION DI ANI A CALVACE DEMANINO
Ŋ	L100	LANDSCAPE DEMOLITION PLAN & SALVAGE DRAWING SITE AMENITY PLAN SOUTH & DETAILS
	L101 L102	SITE AMENITY PLAN SOUTH & DETAILS  SITE AMENITY PLAN NORTH & DETAILS
	L102 L200	LANDSCAPE PLAN SOUTH
}	L200	LANDSCAPE PLAN NORTH
١		LANDSCAFE FLAN NORTH
	ARCHITECTUR	RAI
	A001	GENERAL INFORMATION
	A002	GENERAL INFORMATION
	A003	TYPICAL DETAILS

OVERALL DEMO PLAN DA102 AREA A DEMO PLAN AREA B & MEZZANINE DEMO PLAN **OVERALL FLOOR PLAN** FLOOR PLAN AREA A

FLOOR PLAN AREA B & MEZZANINE PLAN OVERALL REFLECTED CEILING PLAN A105 REFLECTED CEILING PLAN AREA A A106 REFLECTED CEILING PLAN AREA B **EXTERIOR ELEVATIONS** A202 INTERIOR ELEVATIONS A203 **INTERIOR & CASEWORK ELEVATIONS** 

WALL SECTIONS A501 OPENING SCHEDULES, ELEVATIONS, & DETAILS ARCHITECTURAL INTERIORS FINISH PLAN, LEGEND, AND DETAILS

DEMO/EXISTING FURNITURE, SHELVING & EQUIPMENT PLAN

NEW/RELOCATED FURNITURE, SHELVING & EQUIPMENT PLAN

DM101 FIRST FLOOR MECHANICAL DEMO WORK M101 MECHANICAL PLAN AREA A MECHANICAL PLAN AREA B & MEZZANINE PLAN M102 M201 MECHANICAL SCHEDULES M202 MECHANICAL DETAILS MECHANICAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

**PLUMBING** FIRST FLOOR PLUMBING DEMO WORK PLUMBING PLAN AREA A PLUMBING PLAN AREA B PLUMBING SCHEDULES AND DETAILS PLUMBING SPECIFICATIONS P302 PLUMBING SPECIFICATIONS

M302

FIRST FLOOR LIGHING DEMO WORK FIRST FLOOR ELECTRICAL DEMO WORK É101 SITE LIGHTING PLAN E102 LIGHTING PLAN AREA A

# DRAWING INDEX

FIRE ALARM PLAN AREA A

Odle McGuire Shook LANDSCAPE ARCHITECTURE ENGINEERING

**ARCHITECT ODLE MCGUIRE SHOOK** 7222 N. Shadeland Avenue, Suite 100 Indianapolis, Indiana 46250

Contact: Matt Mayol office: 317.842.0000 direct: 317.408.9566 email: mmayol@omscorp.net

www.omscorp.net

**BOARD OF TRUSTEES:** 

RAENAE OVERMYER:

PAUL ZARTMAN:

RACHEL ARNDT:

**BETTY MARTENS:** 

**EMILY SCHOUTEN:** 

JO MCCOLLOUGH:

**LIBRARY ADMINISTRATION:** 

PHYL OLINGER:

**BRIAN WALSH:** 

ANDREA ROE:



**CIVIL ENGINEER** VITREON GROUP, LLC 17520 Dartown Road Westfield, Indiana 46074

Contact: Adam Hoffer, Project Manager phone: 317.449.5702 email: adam@vitreon.group.com

www.vitreon.group.com



**ENGINEER** SPENCER ENGINEERING 35 Whittington Drive Brownsburg, Indiana 46112

Contact: Micah Cordray phone: 317.858.9970 email: mcordray@spencermep.com

www.spencermep.com

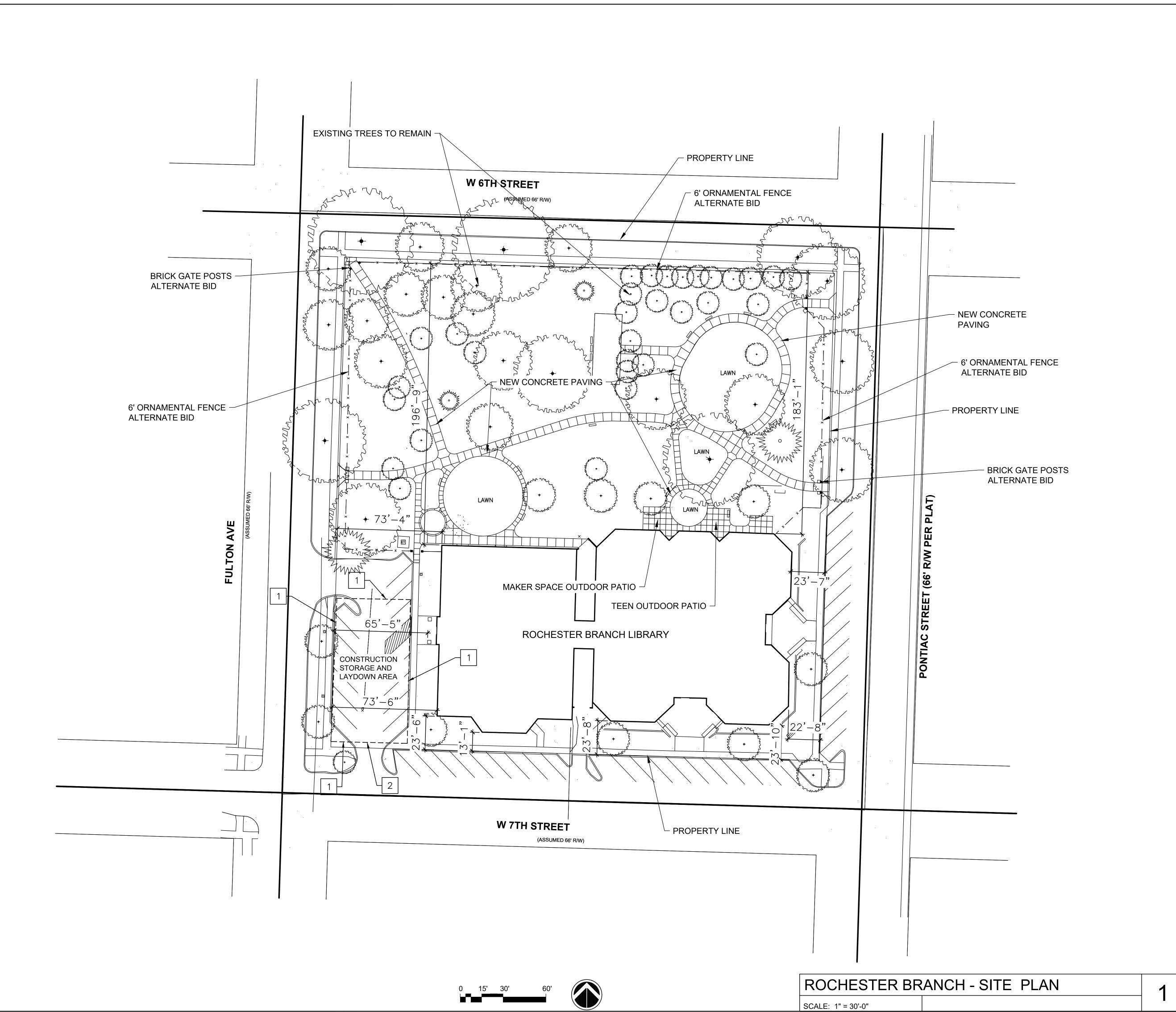


INTERIOR DESIGN **RELOCATION STRATEGIES** 7222 North Shadeland Avenue, Suite 170 Indianapolis, Indiana 46250

Contact: Gretchen Bontrager, Project Manager phone: 317.202.0000 gbontrager@relocationstrategies.com

www.relostrategies.com

BUILDING STER PUBL 24029 ROCH



# **GENERAL NOTES:**

- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL BURIED UTILITIES PRIOR TO EXCAVATION BY CALLING UTILITY LOCATING SURVEY AND PROPERTY BOUNDARY
- INFORMATION PROVIDED BY VITREON GROUP, INDIANAPOLIS, INDIANA.

# LEGEND:

LAYOUT REFERENCE NOTE

DETAIL REFERENCE NUMBER SHEET NUMBER

CONCRETE PAVING

CONSTRUCTION PROTECTION NOTE

STANDARD ASPHALT PAVING

6' HGT. CONSTRUCTION FENCE

## 100% CONSTRUCTION DOCUMENTS

**Odle McGuire Shook** 

ARCHITECTURE INTERIOR DESIGN LANDSCAPE ARCHITECTURE ENGINEERING "A history of forward thinking...

| www.omscorp.net

7222 N Shadeland Avenue

Suite 100 Indianapolis, Indiana 46250 317.842.0000

oms@omscorp.net



Matthew R. Mayol

Description

REVISIONS

SITE BUILDING RENOVATIONS & IMPROVEMENTS TO: ROCHESTER PUBLIC LIBRA

# CONSTRUCTION PROTECTION NOTES:

- 6' HEIGHT CHAINLINK FENCE WITH WINDSCREEN MATERIAL ATTACHED TO FENCE FRAME TO ELIMINATE CLEAR VIEW INTO CONSTRUCTION ZONE. INSTALL POSTS IN POST HOLES WHERE POSTS ARE INSTALLED IN LAWN AREAS. ATTACH POSTS TO MOVABLE BASES WHERE POSTS ARE INSTALLED IN PAVED AREAS. STABILIZE MOVABLE POST BASES WITH SAND BAGS TO KEEP FENCES FROM MOVING OR BLOWING OVER IN HEAVY WINDS. REFER TO SPECIFICATION SECTION 015000-CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS.
  - 6' HEIGHT CHAINLINK GATES WITH LOCKING HASPS AND MEANS TO KEEP GATES HELD OPEN AND CLOSED. CONTRACTOR SHALL PROVIDE PADLOCKS FOR ALL GATES. REFER TO SPECIFICATION SECTION 015000-CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS.

# CONSTRUCTION SCHEDULE:

CONSTRUCTION SCHEDULE ASSUMES MATERIALS SPECIFIED AND NOTED ARE READILY AVAILABLE. CONSTRUCTION SCHEDULE IS ALSO WEATHER DEPENDENT.

PHASE 1: BUILDING RENOVATIONS: 1. SCHEDULED DURATION: 2/1/2025 TO 8/31/2025

PHASE 2: SIDEWALKS, BUILDING STOOPS, ASPHALT RESURFACING OF EAST & SOUTH PARKING LOTS & MISCELLANEOUS SITE FEATURES: 1. SCHEDULED DURATION: 3/1/2025 TO 10/31/2025

PHASE 3: REMOVE STAGING AREA FENCE & RESURFACE SOUTHWEST PARKING LOT.

1. SCHEDULED DURATION: 10/1/2025 TO 10/31/2025

FINAL COMPLETION: 11/15/2025

Checked by: Designed by: G002 ADD.2

Drawn by:

ROCHESTER BRANCH SITE PLAN & SITE SCOPE PLAN

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work is the overall form as well as the arrangement and composition of spaces and elements in the design

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Date: DEC. 16, 2024

by ODLE McGUIRE SHOOK

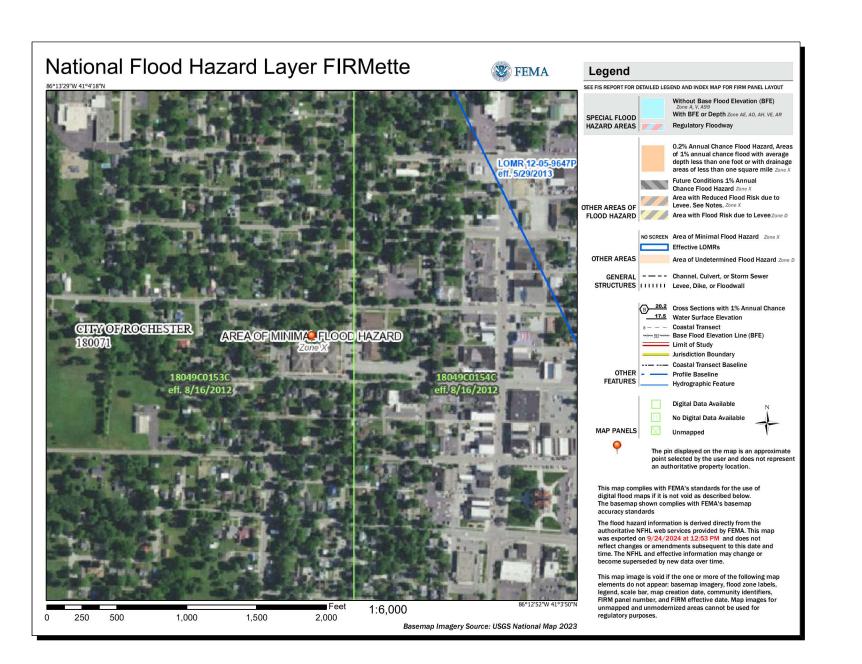
Project number:

# BUILDING ADDITIONS, RENOVATIONS & SITE IMPROVEMENTS 2024 - FULTON PUBLIC LIBRARY

ROCHESTER TOWNSHIP, FULTON COUNTY, INDIANA ADDRESS: 320 W. 7TH STREET, ROCHESTER INDIANA 46975



Map Ur	nit Legend		
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KoA	Kosciusko-Ormas complex, 0 to 2 percent slopes	4.1	100.0%
Totals for Area of Interest		4.1	100.0%







# PLANS PREPARED FOR:

OWNER: FULTON COUNTY PUBLIC LIBRARY PROJECT LOCATION: ROCHESTER BRANCH LIBRARY 320 W. 7TH STREET, ROCHESTER, IN 46975

# PROJECT TEAM



DEVELOPER/OWNER FULTON COUNTY PUBLIC LIBRARY 320 W. 7TH STREET **ROCHESTER, IN 46975** 



CIVIL ENGINEER/LAND SURVEYOR **VITREON AEC** ADAM G. HOFFER, PROJECT MANAGER P.O. BOX 402 WESTFIELD, IN 46074 (317) 449-5700



OMS CORP (317) 842-0000 mmayol@omscorp.net

MATT MAYOL, ARCHITECT 7222 N. SHADELAND AVENUE

# **GENERAL NOTES**

SHEET INDEX			
SHT. NO.	DESCRIPTION		
C0.0	COVER SHEET		
CO.1	GENERAL NOTES AND SPECIFICATIONS		
C1.0	EXISTING CONDITIONS/DEMOLITION PLAN		
C2.0	SITE DEVELOPMENT PLAN		
C3.0-C3.1	GRADING AND DRAINAGE PLAN		
C4.0	OMITTED		
C5.0	OMITTED		
C6.0	OMITTED		
C7.0-C7.1	CONSTRUCTION DETAILS		

## **FULTON COUNTY**

CONSTRUCTION OF ±3,200 SFT OF PROPOSED PAVEMENT AND CONCRETE SIDEWALK, INCLUDING UTILITY AND STORM INFRASTRUCTURE. THE PROJECT IS LOCATED IN THE TOWN OF ROCHESTER, INDIANA

ALL CONTRACTORS SHALL REVIEW FULTON COUNTY STANDARDS AND SPECIFICATIONS PRIOR TO BIDDING ON THIS PROJECT. ADDITIONAL SPECIFICATIONS, NOT INCLUDED IN THIS SET OF PLANS, MAY BE REQUIRED.

THE PRESENCE OF A FULTON COUNTY REVIEW AND ACCEPTANCE STAMP ON PLANS DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER FROM COMPLIANCE OF THE "FULTON COUNTY" CONSTRUCTION STANDARDS LATEST EDITION. THIS REVIEW ONLY DESIGNATES THAT THE GENERAL CONFORMANCE WITH DESIGN AND SPECIFICATIONS HAVE BEEN MET. FIELD CHANGES MAY BECOME NECESSARY IN ORDER TO COMPLY WITH THE DETAILED FULTON COUNTY SPECIFICATIONS.

## ERRORS AND OMISSIONS STATEMENT:

DESIGN PROFESSIONAL CERTIFYING PLANS FOR THE PROJECT ACKNOWLEDGES THEIR PROFESSIONAL RESPONSIBILITY FOR ENSURING THAT ALL WORK IS CORRECT, ACCURATE AND COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES. IF SUCH AN ERROR/OR OMISSION IS FOUND, THE CONTRACTOR IS NOT RELIEVED OF COMPLYING WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES.

INDIANA STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, TO BE USED AS SUPPLEMENTAL INFORMATION WITH THESE PLANS.

THESE DOCUMENTS ARE SUBJECT TO PERIODIC REVISIONS BY VITREON GROUP THE HOLDER IS RESPONSIBLE FOR VERIFYING THAT THESE DOCUMENTS ARE THE MOST CURRENT PRIOR TO USE

THIS DRAWING AND THE DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF VITREON GROUP AND ARE NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF VITREON GROUP

RECORDATION OF THIS SURVEY (OR THESE PLANS) DOES NOT CONSTITUTE AN ELIMINATION OF, ANY RESTRICTIONS OR LIMITATIONS OF RIGHTS HELD BY THIS SURVEYOR / DESIGNER AND OR ENGINEER UNDER FEDERAL COPYRIGHT LAW



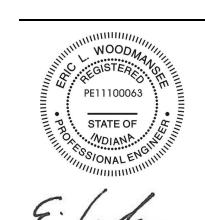
ARCHITECTURE INTERIOR DESIGN "A history of forward thinking...

www.omscorp.net

7222 N Shadeland Avenue

Indianapolis, Indiana 46250

100% CONSTRUCTION DOCUMENTS



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э.	Description	Date
	REVISIONS	

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Project number: Date: 12/16/2024 Drawn by:

CO.O - ADD.2

**COVER SHEET** 

THE MUNICIPALITY REQUIREMENTS AND THE LATEST INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS INCLUDING CHANGES SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED. WHEN CONFLICTS ARISE BETWEEN THE ABOVE LISTED SPECIFICATIONS, THE MORE STRINGENT SHALL TAKE

STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND RECURRING SPECIAL PROVISIONS. CONSTRUCTION PLANS. AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO THE CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITY SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL INDIANA UTILITIES PROTECTION SERVICE (INDIANA 811) AND THE MUNICIPALITY FOR UTILITY LOCATIONS.

NO CONSTRUCTION PLANS SHALL BE USED FOR THE CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION" PRIOR TO COMMENCEMENT OF THE CONSTRUCTION. THE CONTRACTORSHALL VERIFY ALL DIMENSIONS AND CO9NDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE IOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE SURVEYOR'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE/SHE MUST IMMEDIATELY REPORT THEM TO THE SURVEYOR OR ENGINEER BEFORE ANY WORK IS TO BE PERFORMED. OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF A DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION. THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT THE CONTRACTOR'S OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

- 5. NOTIFICATION OF COMMENCING CONSTRUCTION:
- A. THE CONTRACTOR SHALL NOTIFY AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY, AS NECESSARY, ALL TESTING AGENCIES, THE MUNICIPALITY, AND THE OWNER SUFFICIENTLY IN ADVANCE OF CONSTRUCTION.
- B. FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN THE TESTING COMPANIES TO BE UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND THE OPERATION TO BE TESTED UNTIL THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK SHALL BE BORNE BY THE
- ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL EMERGENCY TRAFFIC, AS DIRECTED BY THE
- 7. ALL PROPOSED GRADES SHOWN ON PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS NOTED OTHERWISE.
- 8. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE SURVEYOR AT THE CONTRACTOR'S
- ALL FRAMES AND LIDS FOR STORM AND SANITARY SEWERS, VALVE VAULT COVERS, FIRE HYDRANTS, AND B-BOXES ARE TO BE ADJUSTED TO MEET FINISHED GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER AND WATER CONTRACTOR, AND THE COST IS TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVIATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE MUNICIPALITY UPON FINAL INSPECTION OF THE PROJECT. FINAL GRADES MAY BE DETERMINED BY THE MUNICIPALITY AND MAY VARY FROM PLAN GRADE.
- 10. ANY EXISTING SIGNS, LIGHT STANDARDS, AND UTILITY POLES THAT INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED ON THE PLANS FOR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND HIS/HER OWN EXPENSE TO THE SATISFACTION OF THE OWNER. ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE RESPECTIVE
- 11. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC.. SHALL BE LEGALLY AND ETHICALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMITS REQUIRED FOR SUCH DISPOSAL
- 12. ANY FIELD TILES ENCOUNTERED SHALL BE INSPECTED BY THE MUNICIPALITY. THE DRAIN TILE SHALL BE CONNECTED TO THE STORM SEWER SYSTEM AND A RECORD KEPT BY THE CONTRACTOR OF THE LOCATIONS AND TURNED OVER TO THE MUNICISPALITY UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 13. BEFORE ACCEPTANCE, ALL WORK SHALL BE INSPECTED BY THE MUNICIPALITY, AS NECESSARY.
- 14. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAYS ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH LOCATIONS OF THE NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- 15. OWNER SHALL OBTAIN EASEMENTS AND APPROVAL OF PERMITS NECESSARY TO FACILITATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, HOWEVER, SHALL FURNISH ALL REQUIRED BONDS AND EVIDENCE OF INSURANCE NECESSARY TO
- 16. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATIONS, AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK.
- 17. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB PER OSHA REGULATIONS.
- 18. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING, WARNING DEVICES, AND THE SAFE MANAGEMENT OF TRAFFIC WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREET AND HIGHWAYS, LATEST EDITION, AND IN ACCORDANCE WITH THE MUNICIPAL ORDINANCES.
- 19. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS, AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEANUP, AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE
- 20. NO UNDERGROUND WORKSHALL BE COVERED UNTIL IT AS BEEN APPROVED BY THE MUNICIPALITY. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE MUNICIPALITY PRIOR TO INSTALLING PAVEMENT BASE, BINDER, AND SURFACE, AND PRIOR TO POURING AND CONCRETE AFTER FORMS HAVE BEEN SET, AS NECESSARY.
- 21. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT, AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A PAY ITEM IS LISTED ON THE BID LIST.
- 22. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. 23. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED, AS PER
- 24. LIMP PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED LANDSCAPE ARCHITECT, FORESTER, OR ARBORIST AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SOAS NOTTO INTERFERE WITH CONSTRUCTION. ALL LIMBS, BRANCHES,
- HIS/HER OWN EXPENSE. ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT. 25. WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, THE EXISTING DRAINAGE STRUCTURES AND PIPE SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE MERGED INTO THE CONTRACT UNIT PRICE EACH FOR STRUCTURES AND CONTACT UNIT PRICE PER LINEAL FOOT FOR STORM SEWERS, WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL, AND DISPOSAL OF DEBRIS AND

AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF LEGALLY AND ETHICALLY OFF-SITE BY THE CONTRACTOR AT

DIRT. DRAINAGE STRUCTURES AND STORM SEWERS CONSTRUCTED AS PART OF THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR CLEANING STRUCTURES OR STORM SEWERS CONSTRUCTED AS PART OF THIS PROJECT. 26. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ONTO THE ROAD SUBGRADES. WHENEVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO LOT AREAS OR THE STORM SEWER SYSTEM IF AVAILABLE DAMAGE TO THE ROAD SUBGRADE OR LOT

GRADING DUE TO EXCESSIVE WATER SATURATION AND/OR EROSION FROM HYDRANT FLUSHING. OR FROM LEAKS IN THE WATER

DISTRIBUTION SYSTEM, WILL BE REPAIRED BY THE CONTRACTOR FLUSHING OR USING THE HYDRANT AT THE CONTRACTOR'S OWN

27. AFTER THE STORM SEWER SYSTEM HAS BEEN CONSTRUCTED, THE CONTRACTOR SHALL PLACE EROSION CONTROL AT LOCATIONS INDICATED BY THE ENGINEER. THE PURPOSE OF EROSION CONTROL WILL BE TO MINIMIZE THE AMOUNT OF SILTATION THAT NORMALLY WOULD ENTER THE STORM SEWER SYSTEM FROM ADJACENT AND/OR UPSTREAM DRAINAGE AREAS.

EXPENSE. LEAKS IN THE WATER DISTRIBUTION SYSTEM SHALL BE THE RESPONSIBILITY OF THE WATER MAIN CONTRACTOR AND SHALL

- 28. THE TRENCHES FOR PIPE INSTALLATION SHALL BE KEPT DRY AT ALL TIMES DURING PIPE PLACEMENT. APPROPRIATE FACILITIES TO MAINTAIN THE DRY TRENCH SHALL BE PROVIDED BY THE CONTRACTOR, AND THE COST OF SUCH SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE ITEM. PLANS FOR SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR DEWATERING DURING CONSTRUCTION UNLESS APPROVED IN WRITING BY THE OWNER.
- 29. EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH IDEM REGULATIONS AND STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL AND SHALL BE MAINTAINED BY THE CONTRACTOR AND REMAIN IN PLACE UNTIL A SUITABLE GROWTH OF GRASS, ACCEPTABLE TO THE ENGINEER, HAS DEVELOPED.

BE REPAIRED AT HIS EXPENSE.

CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE CONSTRUCTION SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.

- 2. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
- TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. ASAN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTORS SHALLALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
- 4. BMP'S HAVE BEEN LOCATED AS INDICATED IN THESE PLANS IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE-OF-SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.

1. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THE

2. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES AND FIELD VERIFY ALL UNDERGROUND UTILITIES. 3. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE EXISTING BUILDING AT ALL TIMES. UTILITY SERVICES SHALL

4. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY DEMOLITION PERMITS.

NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER.

5. THE CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE TRUCKS AT ALL TIMES DURING DEMOLITION OF THE EXISTING

6. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR

SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES OR PRIOR TO ANY FURTHER DEMOLITION. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY

CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE

PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.

8. THE CONTRACTOR SHALL USE DUE CARE IN HAULING DEBRIS FROM THE SITE TO ENSURE THE SAFETY OF THE PUBLIC.

- DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 10. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWING SUNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.
- 11. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER
- 12. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIAL TRACKED ONTO ADJOINING ROADWAYS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.

13. DEWATERING SHOULD BE ANTICIPATED AND INCLUDED. DEWATERING SHALL BE DONE IN ACCORDANCE WITH LOCAL AND REGIONAL REQUIREMENTS.

- ALL EARTHWORK OPERATIONS SHALL CONFORM TO GEOTECHNICAL RECOMMENDATIONS IN THE GEOTECHNICAL REPORT. B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
- C. ANY QUANTITIES IN THE BID PROPOSAL ARE INTENDED AS A GUIDE FOR THE CONTRACTOR'S USE IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRISE HIMSELF/HERSELF OF ALL SITE CONDITIONS. THE CONTRACTOR PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS A LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED
- D. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE AND SUBGRADE ELEVATIONS (AS NOTED) AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC. MUST BE ACCOUNTED FOR. E. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND PREVENT STORMWATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. THE FAILURE TO PROVIDE PROPER DRAINAGE WILL NEGATE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF. FINAL GRADES
- SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC F. PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED, AND APPROVED PRIOR TO IMPLEMENT 5 ATION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR DEWATERING DURING CONSTRUCTION.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT AND FILTER FENCING, ETC. TO PROTECT ADJACENT PROPERTY, ETC., SHALL OCCUR BEFORE GRADING BEGINS.
- PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, THE CONTRACTOR SHALL ERECT A CONSTRUCTION FENCE AROUND ANY TREE DESIGNATED TO BE PRESERVED. SAID FENCE SHALL BE PLACED IN A CIRCLE CENTERED AROUND THE TREE, THE DIAMETER OF WHICH SHALL BE SUCH THAT THE ENTIRE DRIP ZONE (EXTENT OF FURTHEST EXTENDING BRANCHES) SHALL BE WITHIN THE FENCE LIMITS. THE EXISTING GRADE WITHIN THE FENCED AREA SHALL NOT BE DISTURBED.
- TOPSOIL EXCAVATION INCLUDED: A. EXCAVATION OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WILL REQUIRE EARTH EXCAVATION OR COMPACTED EARTH FILL MATERIAL. EXISTING VEGETATION SHALL BE REMOVED PRIOR TO STRIPPING TOPSOIL OR FILLING AREAS.
- 3. PLACEMENT OF EXCAVATED MATERIAL IN OWNER-DESIGNATED AREAS FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED AND THOSE AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL. PROVIDE NECESSARY EROSION CONTROL MEASURES FOR
- C. TOPSOIL STOCKPILED FOR RESPREAD SHALL BE FREE OF CLAY AND SHALL NOT CONTAIN AND OF THE TRANSITIONAL MATERIAL BETWEEN THE TOPSOIL AND CLAY. THE TRANSITIONAL MATERIAL SHALL BE USED IN NON-STRUCTURAL FILL AREAS OR DISPOSED OF OFF-SITE.
- D. TOPSOIL RESPREAD SHALL INCLUDE HAULING AND SPREADING OF TOPSOIL DIRECTLY OVER AREAS TO BE LANDSCAPED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER.
- FARTH EXCAVATION INCLUDED:
- A. EXCAVATION OF SUBSURFACE MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL THE EXCAVATION SHALL BE WITHIN A TOLERANCE OF 0.1 FEET OF THE PLAN SUBGRADE ELEVATIONS WHILE MAINTAINING PROPER DRAINAGE. THE TOLERANCE WITHIN PAVEMENT AREAS SHALL BE SUCH THAT THE EARTH MATERIALS SHALL "BALANCE" DURING THE FINE
- B. PLACEMENT OF SUITABLE MATERIALS SHALL BE WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL TO A CHIEVE THE PLAN SUBGRADE ELEVATIONS TO WITHIN A TOLERANCE OF 0.1 FEET. THE FILL MATERIALS SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED TO ACHIEVE REQUIRED
- C. STRUCTURAL FILL MATERIAL MAY BE PLACED WITHIN THOSE PORTIONS OF THE SITE NOT REQUIRING STRUCTURAL FILL. WITHIN SIX(6) INCHES OF THE PLAN FINISHED GRADE ELEVATION. IN AREAS REQUIRING STRUCTURAL FILL, HOWEVER, THIS MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS UNLESS SPECIFICALLY DIRECTED BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER
- D. COMPACTION OF SUITABLE MATERIALS SHALL BE TO AT LEAST 93% OF THE MODIFIED PROCTOR DRY DENSITY WITHIN PROPOSED PAVEMENT AREAS, SIDEWALK, ETC. COMPACTION SHALL BE AT LEAST 95% OF THE MODIFIED PROCTOR WITHIN PROPOSED BUILDING PAD AREAS OR AS RECOMMENDED BY THE GEOTECHNICAL REPORT.
- 4. UNSUIT5ABLE MATERIAL: UNSUITABLE MATERIALS SHALL BE CONSIDERED MATERIAL THAT IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND BUILDING CONSTRUCTION AND IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL AND TO WHAT EXTENT SHALL BE MADE BY THE GEOTECHNICAL ENGINEER OR SOILS TESTING AGENCY WITH THE CONCURRENCE OF THE OWNER.
- MISCELLANEOUS THE CONTRACTOR SHALL:
- A. SPREAD AND COMPACT UNIFORMLY, TO THE DEGREE SPECIFIED, ALL EXCESS TRENCH SPOIL AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS.
- B. SCARIFY, DISC, AERATE, AND COMPACT, TO THE DEGREE SPECIFIED, THE UPPER TWELVE (12) INCHES OF THE SUITABLE SUBGRADE MATERIAL IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL
- PROVIDE WATER TO ADD TO DRY MATERIAL TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE
- SPECIFIED COMPACTION. D. BACKFILL THE CURB AND BUTTER AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL.
- 6. TESTING AND FINAL ACCEPTANCE:
- A. THE CONTRACTOR SHALL PROVIDE AS A MINIMUM A FULLY LOADED SIX-WHEEL TANDEM AXLE TRUCK FOR PROOF ROLLING THE PAVEMENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND BUTTER AND THE BASE MATERIAL. THIS SHALL BE WITNESSED BY THE GEOTECHNICAL ENGINEER OR SOILS TESTING AGENCY AND THE OWNER. (SEE PAVING SPECIFICATIONS)
- B. ANY UNSUITABLE AREA ENCOUNTERED AS A RESULT OF PROOF ROLLING SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL OR OTHERWISE CORRECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR SOILS TESTING AGENCY.

### SIGNING AND PAVEMENT MARKING NOTES ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

- SIGNS: SIGNS SHALL BE CONSTRUCTED OF 0.080-INCH THICK FLAT ALUMINUM PANELS WITH REFLECTORIZED LEGEND ON THE FACE. LEGEND SHALL BE IN ACCORDANCE WITH THE MUTCD.
- 3. POSTS: SIGN POSTS SHALL BE NEW GALVANIZED STEEL PIPE IN ACCORDANCE WITH ASTM A 53 OR ASTM F 1083. USE STANDARD WEIGHT, SCHEDULE 40 PIPE PER THE INDOT STANDARDS.
- 4. SIGNS AND POSTS SHALL BE INSTALLED IN ACCORDANCE WITH INDOT STANDARDS.

(MUTCD) AND THE INDIANA DEPARTMENT OF TRANSPORTATION (IN DOT) STANDARDS.

- 5. PAVEMENT MARKINGS: ALL PAVEMENT MARKINGS IN THE ROADWAY LIMITS, SUCH AS STOP LINES, CENTERLINES, CROSSWALKS, AND DIRECTIONAL ARROWS, SHALL BE REFLECTORIZED THE RMOPLASTIC HOT ROLLED INTO PAVEMENT OR PAINT PER INDOT
- PAVEMENT MARKINGS ON BIKE PATHS, PARKING LOT STALLS, AND SIMILAR "LOW-WEAR" APPLICATIONS, SHALL BE PAINTED IN ACCORDANCE WITH INDOT STANDARDS.
- 7. COLOR, WIDTH, STYLE, AND SIZE OF ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND MUNICIPAL CODE.
- 8. THERMOPLASTIC MARKINGS SHALL BE INSTALLED WHEN THE PAVEMENT TEMPERATURE IS 55 DEGREES FAHRENHEIT AND RISING. PAINT MARKINGS MAY BE INSTALLED WHEN THE AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT AND RISING.

- A. PAVING WORK INCLUDES FINAL SUBGRADE SHAPING, PREPARATION, AND COMPACTION: PLACEMENT OF SUBBASE OR BASE COURSE MATERIALS; BITUMINOUS INTERMEDIATE AND/OR SURFACE COURSES; FORMING, FINISHING, AND CURI9NG CONCRETE PAVEMENT, CURBS, AND WALKS; AND FINAL CLEAN-UP AND RELATED WORK.
- A. EARTHWORK FOR PROPOSED PAVEMENT SUBGRADE SHALL BE FINISHED WITHIN 0.1 FOOT, PLUS OR MINUS, OF PLAN ELEVATION. THE CONTRACTOR SHALL SATISFY HIMSELF/HERSELFTHATTHE SUBGRADE HAS BEEN PROPERLY PREPARED AND THAT THE FINISH TOP SUBGRADE ELEVATION HAS BEEN GRADED WITHIN TOLERANCES ALLOWED IN THESE SPECIFICATIONS UNLESS THE CONTRACTOR ADVISES THE ENGINEER IN WRITING PRIOR TO FINE GRADING FOR BASE COURSE CONSTRUCTION. IT
- IS UNDERSTOOD THAT HE/SHE HAS APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUBGRADE. B. AFTER STRIPPING TO THE PROPOSED SUBGRADE LEVEL, THE BUILDING AND PARKING AREA SHOULD BE PROOF-ROLLED WITH A TANDEM AXLE DUMP TRUCK OR SIMILAR HEAVY RUBBER-TIRED VEHICLE TYPICALLY WITH AN AXIAL LOAD GREATER THAN FIFTEEN
- (15) TONS OR MEETING SPECIFICATIONS OUTLINED IN INDOT CMS ITEM 203 FOR ROADWAY SUBGRADE COMPACTION AND
- C. MAXIMUM DEFLECTION ALLOWED IN ISOLATED AREAS MAY BE ONE (1) INCH IF NO DEFLECTION OCCURS OVER THE MAJORITY OF THE AREA
- D. PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE PAVEMENT AREA SHALL BE FINE-GRADED TO WITHIN 0.04 FEET (1/2 INCH) OF FINAL SUBGRADE ELEVATION. TO A POINT TWO (2) FEET BEYOND THE BACK OF THE CURB, TO ENSURE THE PROPER THICKNESS OF PAVEMENT COURSES. NO CLAIMS FOR EXCESS QUANTITY OF BASE MATERIALS DUE TO IMPROPER SUBGRADE PREPARATION WILL BE HONORED.
- E. PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE SHALL BE APPROVED BY THE TESTING ENGINEER.
- - A. ALL EXTERIOR CONCRETE SHALL BE PORTLAND CEMENT CONCRETE CLASS S1 OR PV. CONCRETE SHALL BE A MINIMUM OF SIX (6) BAG MIX AND SHALL DEVELOP A MINIMUM OF 4,000 PSI COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS. ALL CONCRETE SHALL BE BROOM-FINISHED PERPENDICULAR TO THE DIRECTION OF TRAVEL
  - B. CONCRETE CURB AND/OR COMBINATION CURB AND GUTTER SHALL BE OF THE TYPE SHOWN ON THE PLANS. THE CONTRACTOR IS CAUTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAVEMENT CROSS SECTION TO DETERMINE THE GUTTER FLAG THICKNESS AND THE AGGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. PRE-MOLDED FIBER EXPANSION JOINTS, WITH TWO 3/4-INCH BY 18-INCH EPOXY-COATED STEEL DOWEL BARS, SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. SAWED OR FORMED CONTRACTION JOINTS SHALL BE PROVIDED AT NO GREATER THAN TEN (10) TO TWENTY-FIVE (25) FOOT INTERVALS BETWEEN EXPANSION JOINTS. NO HONEYCOMBING OF THE CURB AND GUTTER WILL BE
  - C. CURBS SHALL BE DEPRESSED AT LOCATIONS WHERE PUBLIC WALKS INTERSECT CURB LINES AND OTHER LOCATIONS, AS DIRECTED, FOR THE PURPOSE OF PROVIDING ACCESSIBILITY.
- D. THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE. E. CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. PROVIDE SCORED JOINTS AT MAXIMUM 6-FOOT INTERVALS AND 1/2-INCH PRE-MOLDED FIBER EXPANSION JOINTS AT 20-FOOT MAXIMUM INTERVALS AND ADJACENT TO CONCRETE CURBS, DRIVEWAYS, FOUNDATIONS, AND OTHER STRUCTURES
- F. CONCRETE DRIVEWAYS APRONS SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. PROVIDE 6-INCH BY 6-INCH NO. 6 WELDED WIRE MESH IN ALL DRIVEWAYS. PROVIDE 1/2-INCH PRE-MOLDED FIBER EXPANSION JOINT ADJACENT TO CURBS AND CONCRETE SIDEWALKS. PROVIDE SAWED OR FORMED CONTRACTION JOINTS AT MID-POINT AND 15-FOOT MAXIMUM.
- G. STANDARD REINFORCED CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. SAWED OR FORMED CONTRACTION EXPANSION JOINTS SHALL BE AS SHOWN ON THE PLANS. H. CONCRETE CURING AND PROTECTION SHALL BE PER INDOT STANDARDS. TWO (2) COATS OF INDOT APPROVED CURING AGENT
- SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. THE COST OF AGGREGATE BASE OR SUBBASE UNDER CONCRETE WORK SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE
- A. THE PAVEMENT MATERIALS FOR BITUMINOUS STREETS, PARKING LOTS, AND DRIVE AISLES SHALL BE AS DETAILED ON THE PLANS. UNLESS OTHERWISE SHOWN ON THE PLANS, THE FLEXIBLE PAVEMENTS SHALL CONSIST OF AGGREGATE BASE, ASPHALT INTERMEDIATE COURSE TYPE 2, AND ASPHALT SURFACE COURSE TYPE 1, OF THE THICKNESS AND MATERIALS SPECIFIED ON THE
- PLANS. THICKNESSES SPECIFIED SHALL BE CONSIDERED THE MINIMUM COMPACTED THICKNESS. B. ALL TRAFFIC SHALL BE KEPT OFF THE COMPLETED AGGREGATE BASE UNTIL THE INTERMEDIATE COURSE IS LAID. C. PRIOR TO PLACEMENT OF THE SURFACE COURSE, THE INTERMEDIATE COURSE SHALL BE CLEARED AND TACK-COATED IF DUSTY OR DIRTY. ALL DAMAGED AREAS IN THE INTERMEDIATE COURSE, BASE, OR CURB SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER PRIOR TO LAYING THE SURFACE COURSE. THE CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND STAFF
- NECESSARY, INCLUDING THE USE OF POWER BROOMS IF REQUIRED BY THE OWNER, TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE. THE TACK COAT SHALL BE UNIFORMLY APPLIED TO THE BINDER COURSE AT A RATE OF 0.05 TO 0.10 GALLONS PER SQUARE YARD. TACK COAT SHALL BE AS PER INDOT STANDARDS.
- 5. TESTING AND FINAL ACCEPTANCE:

D. SEAMS IN SURFACE AND BASE COURSES SHALL BE STAGGERED A MINIMUM OF 6 INCHES.

CODE, AND GENERAL NOTES, THE MORE STRINGENT SHALL TAKE PRECEDENCE.

- A. THE CONTRACTOR SHALL FOLLOW THE QUALITY CONTROL TESTING PROGRAM FOR CONCRETE AND PAVEMENT MATERIALS B. PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE, THE CONTRACTOR, WHEN REQUIRED BY THE MUNICIPALITY, SHALL OBTAIN SPECIMENS OF THE INTERMEDIATE COURSE WITH CORE DRILL WHERE DIRECTED, FOR THE
- PURPOSE OF THICKNESS VERIFICATION. C. WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE FULL DEPTH BITUMINOUS CONCRETE PAVEMENT STRUCTURE WITH A CORE DRILL WHERE DIRECTED IN ORDER TO CONFIRM THE PLAN THICKNESS.
- DEFICIENCIES IN THICKNESS SHALL BE ADJUSTED FOR BY THE METHOD REQUIRED BY INDOT STANDARDS.
- D. FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND CHECKING E. ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE MUNICIPAL CODE. WHEN CONFLICTS ARISE BETWEEN MUNICIPAL

## STORM SEWER NOTES

STORM SEWER PIPE: ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), UNLESS OTHERWISE NOTED ON THE PLANS, IN ACCORDANCE WITH THE FOLLOWING:

PLAN CODE MATERIAL 12" - 66" RCP (ASTM C-76) PVC SDR-35, ASTM D-3034

## REFER TO PLANS FOR PIPE SIZES.

FOR PIPE SIZES 12" TO 54" WITH COVER BETWEEN 1'-3', USE SEWER CLASS III CONCRETE PIPE. FOR COVER GREATER THAN 3' BUT LESS THAN 9', USE CLASS II CONCRETE PIPE. FOR COVER BETWEEN 9'-13', USE CLASS III CONCRETE PIPE. FOR PIPE SIZES GREATER THAN 54" WITH COVER BETWEEN 1'-9', USE CLASS II CONCRETE PIPE. FOR COVER GREATER THAN 9' BUT LESS THAN 13', USE CLASS III CONCRETE

- 2. BAND-SEAL OR SIMILAR COUPLING SHALL BE USED WHEN JOINING STORM SEWER PIPES OF DISSIMILAR MATERIALS.
- ALL FOOTING DRAIN DISCHARGE PIPES AND DOWN SPOUTS SHALL DISCHARGE TO THE GROUND/STORM SEWER SYSTEM.
- 4. CONSTRUCTION: ALL STORM SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND GRADE. 5. COVER: THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO (2) FEET OF COVER OVER THE TOP OF SHALLOW PIPES AT ALL TIMES
- DURING CONSTRUCTION. THE CONTRACTOR SHALL MOUND OVER ANY PIPES THAT HAVE LESS THAN TWO (2) FEET OF COVER DURING CONSTRUCTION UNTIL THE AREA IS FINAL GRADED OR PAVED. 6. STRUCTURES: MANHOLE, CATCH BASIN, AND INLET BOTTOMS SHALL BE PRECAST CONCRETE SECTIONAL UNITS OR MONOLITHIC
- CONCRETE. MANHOLES AND CATCH BASINS SHALL BE A MINIMUM OF FOUR (4) FEET IN DIAMETER UNLESS OTHERWISE SPECIFIED ON THE PLANS. STRUCTURE JOINTS SHALL BE SEALED WITH "O" RING OR BUTYL ROPE. A MAXIMUM OF TWELVE (12) INCHES OF ADJUSTING
- 7. A CONCRETE BENCH TO DIRECT FLOWS SHALL BE CONSTRUCTED IN THE BOTTOM OF ALL INLETS AND MANHOLES.
- 8. THE FRAME, GRATE, AND/OR CLOSED LID SHALL BE CAST IRON OF THE STYLE SHOWN ON THE PLANS.
- 9. CLEANING: THE STORM SEWER SYSTEM SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL INSPECTION AND TESTING.
- 10. MANHOLES, CATCH BASINS, INLETS, FRAMES, GRATES, AND OTHER STRUCTURES SHALL BE CONSTRUCTED OF THE TYPE, STYLE. AND SIZE AS SET FORTH WITH THE ORDINANCES AND STANDARDS OF THE LOCAL MUNICIPALITY.
- ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE LOCAL MUNICIPALITY CODE. WHEN CONFLICTS ARISE BETWEEN MUNICIPAL CODE AND GENERAL NOTES, THE MORE STRINGENT SHALL TAKE PRECEDENCE.

- ALL UNSUITABLE MATERIALS SHALL BE REMOVED BELOW THE PROPOSED SANITARY SEWER AND REPLACED WITH COMPACTED CRUSHED GRAVEL OR STONE, AS PER MUNICIPAL AND/OR INDOT STANDARDS.
- 2. ALL TRENCHES BENEATH PROPOSED OR EXISTING UTILITIES, PAVEMENTS, ROADWAYS, SIDEWALKS, AND FOR A DISTANCE OF THREE (3) FEET ON EITHER SIDE OF SAME, AND/OR WHERE SHOWN ON THE PLANS, SHALL BE BACKFILLED WITH MATERIAL THAT HAS BEEN TREATED AND COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DAY DENSITY.
- 3. ALL SANITARY SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND GRADE.
- 4. CONNECTIONS TO EXISTING SANITARY SEWER SYSTEM SHALL NOT BE DOWN UNTIL AUTHORIZED BY LOCAL MUNICIPALITY.
- WATERMAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS IN ACCORDANCE WITH INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM) REQUIREMENTS, AS SPECIFIED IN THE STANDARDS FOR WATER AND SEWER
- 6. NO WATER LINE SHALL BE PLACED IN THE SAME TRENCH AS A SEWER LINE, EXCEPT UNDER SPECIAL CIRCUMSTANCES AND THEN ONLY UNDER THE FOLLOWING RULES: A. IF NECESSARY, PERMISSION SHALL BE OBTAINED FROM THE LOCAL MUNICIPALITY OR UTILITY AGENCY IN WRITING PRIOR TO
- BEGINNING CONSTRUCTION. B. THE BOTTOM OF A WATER LINE SHALL BE INSTALLED ON A SHELF A MINIMUM OF 18 INCHES ABOVE THE TOP OF THE SEWER AND 18 INCHES HORIZONTALLY AWAY FROM THE EDGE OF THE SEWER.

- FRAMES AND LIDS: ALL SANITARY SEWER MANHOLE FRAMES AND LIDS SHALL BE PER DETAIL SHEET, UNLESS OTHERWISE NOTED ON THE PLANS AND DETAILS. THE LIDS SHALL HAVE RECESSED (CONCEALED) PICK HOLE AND BE SELF-SEALING WITH AN "O" RING GASKET. THE JOINTS BETWEEN THE FRAME AND CONCRETE SECTION SHALL BE SEALED WITH A BUTYL ROPE.
- A MAXIMUM OF TWELVE (12) INCHES OF CONCRETE-ADJUSTING RINGS SHALL BE USED TO ADJUST FRAME ELEVATIONS. RINGS SHALL BE SEALED TOGETHER WITH BUTYL ROPE.
- CLEANING: ALL MANHOLES AND PIPES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS, AND ALL VISIBLE LEAKAGE ELI9MINATED. BEFORE FINAL INSPECTION AND ACCEPTANCE.
- 10. TESTING: DEFLECTION, AIR, AND LEAKAGE TESTING WILL BE REQUIRED. THE PROCEDURE AND ALLOWABLE TESTING LIMITS SHALL
- BE IN ACCORDANCE WITH THE TEN STATE STANDARDS.
- TESTING AND ALIGNMENT/STRAIGHTNESS SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS.
- TELEVISING: IF REQUIRED BY THE LOCAL MUNICIPALITY, ALL SANITARY SEWERS SHALL BE TELEVISED, AND A COPY OF THE VIDEO RECORDING AND A WRITTEN REPORT SHALL BE SUBMITTED AND REVIEWED BY THE LOCAL MUNICIPALITY BEFORE FINAL ACCEPTANCE. THE REPORT SHALL INCLUDE STUB LOCATION AS WELL AS A DESCRIPTION OF ALL DEFECTS, WATERLEVEL, LEAKS, AND LENGTHS. IDENTIFY MANHOLE TO MANHOLE BOTH VERBALLY AND ON-SCREEN USING MANHOLE NUMBERS FROM APPROVED PLANS. THE ORDER OF THE WRITTEN REPORT SHALL BE THE SAME AS THE VIDEO RECORDINGS.
- TEST RESULTS: IF THE SANITARY SEWER INSTALLATION FAILS TO MEET THE TEST REQUIREMENTS SPECIFIED, THE CONTRACTOR SHALL DETERMINE THE CAUSE OR CAUSES OF THE DEFECT AND REPAIR, OR REPLACE ALL MATERIALS AND WORKMANSHIP, AS MAY BE NECESSARY TO COMPLY WITH THE TEST REQUIREMENTS.
- 14. CERTIFICATION: CONTRACTOR SHALL SUBMIT CERTIFIED COPIES OF ALL REPORTS OF TESTS CONDUCTED BY AN INDEPENDENT LABORATORY BEFORE INSTALLATION OF PVC PLASTIC PIPE. TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD METHOD OF TEST FOR "EXTERNAL LOADING PROPERTIES OF PLASTIC PIPE BY PARALLEL PLATE LOADING." ASTM STANDARDS
- 15. IF CONFLICT ARISES BETWEEN THE LOCAL MUNICIPALITY STANDARDS AND SANITARY SEWER NOTES, THE MORE STRINGENT

D-2241, AS APPROPRIATE FOR THE PIPE, TO BE USED. TESTS SHALL ALSO BE CONDUCTED TO DEMONSTRATE JOINT

PERFORMANCE AT FIVE (5) PERCENT MAXIMUM DIAMETRIC DEFLECTION OF THE SPIGOT.

ALL SANITARY SEWER LINES SHALL BE PVC MEETING ASTM D-3034 STANDARDS AND JOINTS MEETING ASTM D-3212. ALL SANITARY MANHOLES TO BE CONCRETE AND MEET MANHOLE DESIGN SPECIFICATION OF ASTM C-478 AND JOINT SPECIFICATIONS OF ASTM C-443. SANITARY SEWER LINES THAT ARE PROPOSED AT A DEPTH OF 15 FEET OR GREATER SHALL BE DUCTILE IRON CLASS 51 PIPE, UNLESS OTHERWISE SPECIFIED BY LOCAL MUNICIPALITY.

- ALLWATERLINEMATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF
- THE AUTHORITATIVE LOCAL UTILITY AGENCY. PIPE MATERIALS: WATER MAINS SHALL BE CONSTRUCTED OF AWWA C900 OR AWWA C905 PLASTIC PIPE AND SHALL BE CLASS 150 UNLESS OTHERWISE INDICATED ON THE PLANS. ONE COUPLING WITH TWO (2) RUBBER GASKETS SHALL BE FURNISHED WITH EACH LENGTH OF PIPE. IT SHALL BE OF THE SAME MATERIAL AND BY THE SAME MANUFACTURER AS THE PIPE AND
- CONFORM TO ASTM D-3139. RUBBER GASKETS SHALL CONFORM TO ASTM F-477. B. TESTING OF THE PIPE AND COUPLINGS SHALL BE DONE IN ACCORDANCE WITH AWWA C900. REGARDLESS OF THE PLACE OF MANUFACTURE, ALL PIPES SHALL BE TESTED WITHIN THE CONTINENTAL UNITED STATES.
- PRESSURE RATING: THE PIPE SHALL BE DR 14 FOR FIRE PROTECTION MAINS AND DR 18 FOR WATER MAINS.
- JOINTS: JOINTS SHALL BE BELL END OR COUPLING PUSH-ON TYPE. THE PUSH-ON JOINT AND JOINT COMPONENTS SHALL MEET THE REQUIREMENTS FOR ASTM D-3139, JOINT FOR PLASTIC PRESSURE PIPE, USING FLEXIBLE ELASTOMERIC SEALS. THE JOINT SHALL BE DESIGNED TO PROVIDE FOR THERMAL EXPANSION AND CONTRACTION EXPERIENCED WITH A TOTAL TEMPERATURE CHANGE OF 75 DEGREES F IN EACH JOINT OF PIPE. THE LUBRICANT SHALL HAVE NO DETERIORATING EFFECTS ON THE GASKET OR THE PIPE. GASKETS SHALL MEET ALL APPLICABLE REQUIREMENTS OF ANSI STANDARD A21.11.
- FITTINGS: ALL FITTINGS SHALL BE OF DUCTILE IRON WITH GASKETS, GLANDS AND T-HEAD BOLTS WITH NUTS. DUCTILE IRON FITTINGS SHALL CONFORM TO ANSI/AWWA C110-A21.10.350 POUNDS PER SQUARE INCH (PSI) PRESSURE RATING REQUIREMENTS. ALL FITTINGS SHALL BE CEMENT MORTAR LINED, CONFORMING TO ANSI/AWWA C104/A21.4 AND SHALL BE COATED OUTSIDE WITH A BITUMINOUS COATING OR FUSION-BONDED EPOXY. FITTINGS SHALL HAVE DISTINCTLY CAST INTO THE PIPE EXTERIOR THE PRESSURE RATING AND LETTERS "DI" OR "DUCTILE". ALL DUCTILE IRON FITTINGS ACCEPTABLE TO THE UTILITY SHALL BE RATED AT A MINIMUM OF 70-50-05 (KSI TENSILE STRENGTH-KSI YIELD STRENGTH-PERCENT ELONGATION), IN ACCORDANCE WITH ANSI/AWWA C110 STANDARDS REGARDING STRENGTH OF MATERIALS.
- FITTING JOINTS SHALL BE OF THE STANDARD MECHANICAL JOINT TYPE CONFORMING TO ANSI/AWWAC111/A21.11 OR PUSH JOINT TYPE CONFORMING TO ANSI/AWWA C111/A21.11. ALL GASKETS, GLANDS AND T-HEAD BOLTS SHALL BE IN ACCORDANCE WITH
- POLYETHYLENE ENCASEMENT: HIGH DENSITY CROSS-LAMINATED POLYETHYLENE ENCASEMENT MATERIALS SHALL BE USED FOR DUCTILE IRON PIPE AND FITTINGS. THE HIGH DENSITY CROSS-LAMINATED POLYETHYLENE TUBE MATERIAL SHALL CONFORM TO ANSI/AWWA C105 WITH A MINIMUM THICKNESS OF 4 MILS. VALVES: GATE VALVES SHALL BE USED ON ALL WATER MAINS. ALL VALVES SHALL TURN COUNTERCLOCKWISE TO OPEN. VALVES
- SHALL BE IRON BODY RESILIENT WEDGE GATE. GATE VALVES WITH BRONZE-MOUNTED SEATS AND NON-RISING STEMS CONFORMING TO AWWA C-509. THE VALVES SHALL HAVE MECHANICAL JOINTS. WHERE WATER MAINS AND SERVICES CROSS PROPOSED OR EXISTING STREETS, BACKFILL SHALL BE COMPACTED GRANULAR
- MATERIAL EXTENDING AT LEAST 5 FEET BEYOND THE BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE AND INSTALL FOUR "MEGA-LUG" JOINT RESTRAINTS AT EACH JOINT FROM THE MAINLINE TEE TO THE AUXILIARY VALVE
- AND BETWEEN THE AUXILIARY VALVE AND THE HYDRANT BARREL. 10. THE BREAK FLANGE AND ALL BELOW-GRADE FITTING SHALL HAVE STAINLESS STEEL NUTS AND BOLTS.
- CORPORATION STOPS: CORPORATION STOPS SHALL BE BRONZE BODY KEY STOPS CONFORMING TO AWWA C-800 AND SHALL INCLUDE "J" BEND, TAIL PIECE, AND COMPRESSION FITTINGS. SIZE AND LOCATION AS SHOWN ON THE PLANS.
- MAXIMUM DEFLECTION AT PIPE JOINTS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURER'S CURRENT RECOMMENDATIONS AND AWWA SPECIFICATIONS
- BETTING: ALL WATER MAINS SHALL BE BEDDED ON FIRM GROUND, WITH BELLHOLES EXCAVATED SO THAT THE PIPE HAS HA EVEN BEDDING FOR ITS ENTIRE LENGTH.
- GRANULAR BEDDING MATERIAL OR GRANULAR BACKFILL MATERIAL SHALL BE CAREFULLY PLACED TO TWELVE (12) INCHES OVER THE TOP OF THE PIPE BEFORE FINAL BACKFILLING AND COMPACTION.
- 15. A MINIMUM DEPTH OF COVER OF FIFTY-FOUR (54) INCHES SHALL BE MAINTAINED OVER THE WATER LINES. THE MAXIMUM COVER SHALL BE SEVENTY-TWO (72) INCHES, EXCEPT AT SPECIAL CROSSINGS. "MEGA-LUG" RETAINER GLANDS AND THRUST BLOCKING SHALL BE INSTALLED ON WATER MAINS AT ALL BENDS, FITTINGS, TEES,
- 17 HORIZONTAL SEPARATION:
- A. WATER MAINS SHALL BE LAID AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER OR SEWER SERVICES CONNECTION

ELBOWS, ETC. "MEGA-LUG" RESTRAINED JOINTS ARE REQUIRED ON ALL VALVES AND ALL FITTINGS.

- WATER MAINS MAY BE LAID CLOSER THAN TEN (10) FEET TO A SEWER LINE WHEN: LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET; THE WATER MAIN INVERT IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE SEWER:
- iii. THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENT TO WATER MAIN STANDARDS

# THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

WITH JOINTS EQUAL DISTANCE FROM THE SEWER OR DRAIN.

ii. OR THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

A. ALL SERVICE PIPES SHALL BE BURIED AT LEAST FIFTY-FOUR (54) INCHES DEEP IN THE GROUND. B. A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF

ANY SEWER OR DRAIN CROSSED. THE LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED

OF CONSTRUCTION WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE-TESTED TO

- BOTH THE WATER MAINS AND SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENTTO WATER MAIN STANDARDS OF CONSTRUCTION WHEN: IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, AS DESCRIBED IN (A) ABOVE;
- TO PREVENT SETTLING AND BREAKING THE WATER MAIN. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.

D. A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE

WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES

ALLWATER MAINS SHALL BE PRESSURE-TESTED FOR A MINIMUM OF TWO (2) HOURS AT 150 PSI, FLUSHED, AND DISINFECTED IN

ACCORDANCE WITH AWWA AND AUTHORITATIVE LOCAL UTILITY AGENCY SPECIFICATIONS. EACH VALVE SECTION SHALL BE

## PRESSURE-TESTED FOR A MINIMUM OF ONE (1) HOUR. AT NO TIME IS THERE TO BE ANY VISIBLE LEAKAGE FROM THE MAIN.

- 20. IDEM WATER MAIN NOTES: . ALL WATER LINES SHALL BE AWWA APPROVED.
- B. THE NORMAL WORKING PRESSURE IN THE WATER LINES WILL NOT BE LESS THAN 35 PSI. INDIVIDUAL BOOSTER PUMPS WILL NOT BE ALLOWED FOR ANY INDIVIDUAL SERVICE. D. ALL FIRE HYDRANTS SHALL BE AWWA APPROVED.

NOTE: ALL WORK TO CONFORM TO CURRENT LOCAL MUNICIPALITY UTILITY AND INFRASTRUCTURE STANDARDS AND SPECIFICATIONS.

WARNING: CONTRACTOR TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION

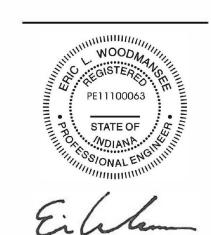


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100% CONSTRUCTION DOCUMENTS



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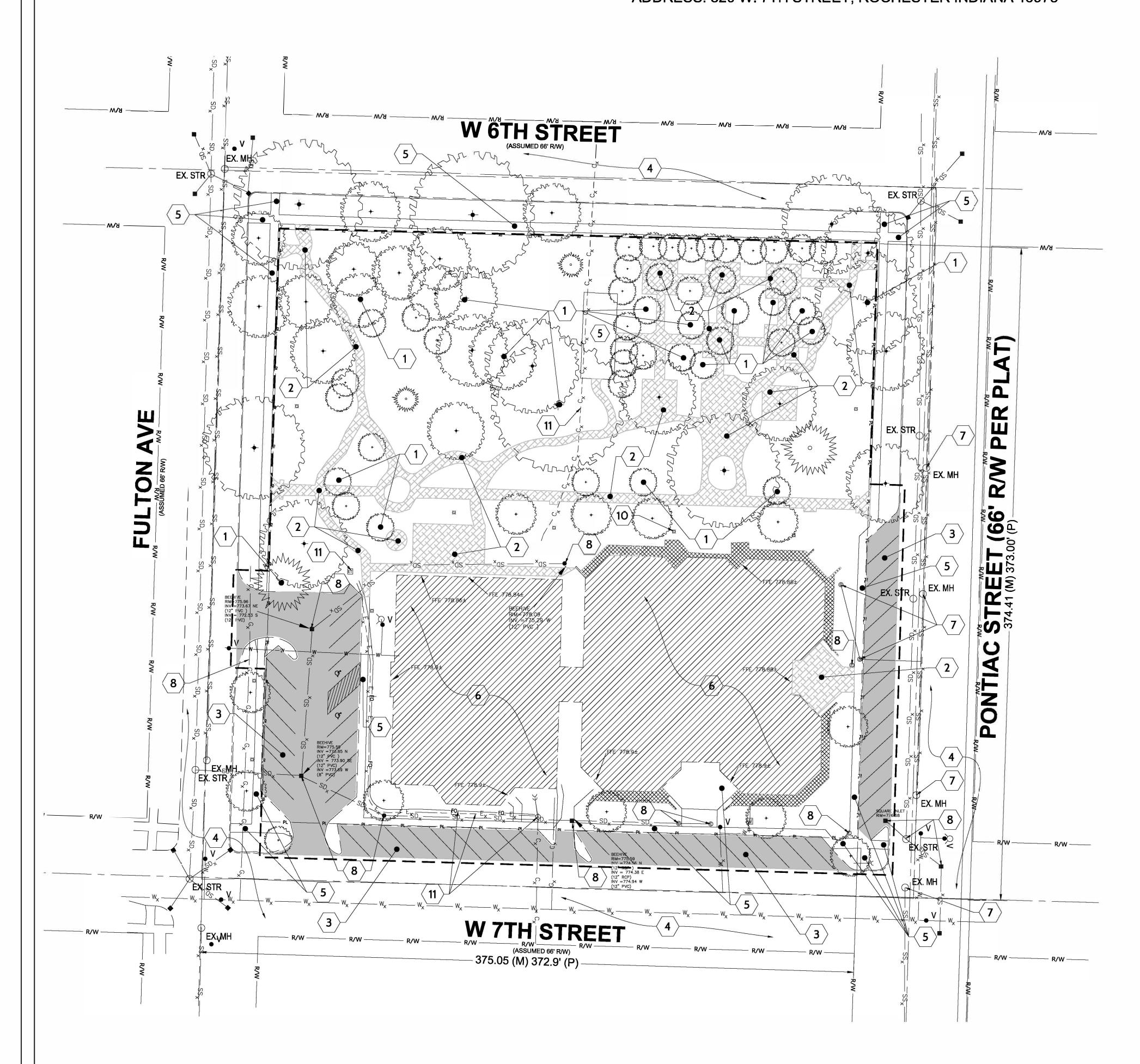
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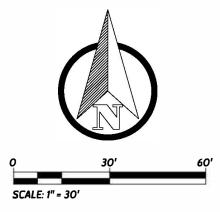
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GENERAL NOTES AND SPECIFICATIONS

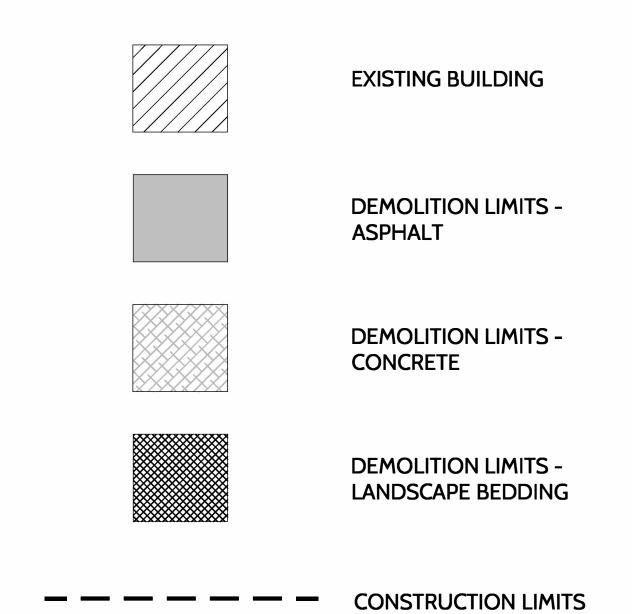
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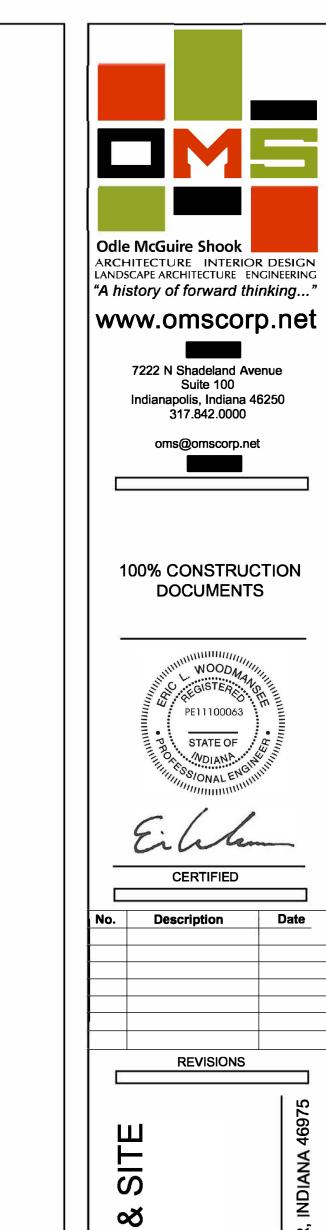


# **DEMOLITION LEGEND**



- REMOVE EXISTING CONCRETE AND DISPOSE OF LEGALLY OFF-SITE.
- MILL EXISTING ASPHALT PARKING AREA AND DISPOSE OF LEGALLY
- PROTECT EXISTING ASPHALT PAVING DURING ALL PHASES OF
- PROTECT EXISTING BUILDING DURING ALL PHASES OF
- FOR ADDITION AND RENOVATION).
- ALL PHASES OF CONSTRUCTION.
- PROTECT EXISTING STORM SEWER, CLEANOUT, AND PIPE DURING ALL PHASES OF CONSTRUCTION.

- PROTECT EXISTING UNDERGROUND/OVERHEAD ELECTRICAL CONDUITS AND POLES (POWER OR LIGHT) FROM ALL PHASES OF CONSTRUCTION.



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**EXISTING** CONDITIONS/DEMOLITION

12/16/2024

by ODLE McGUIRE SHOOK

# **DEMOLITION KEYNOTES LEGEND**

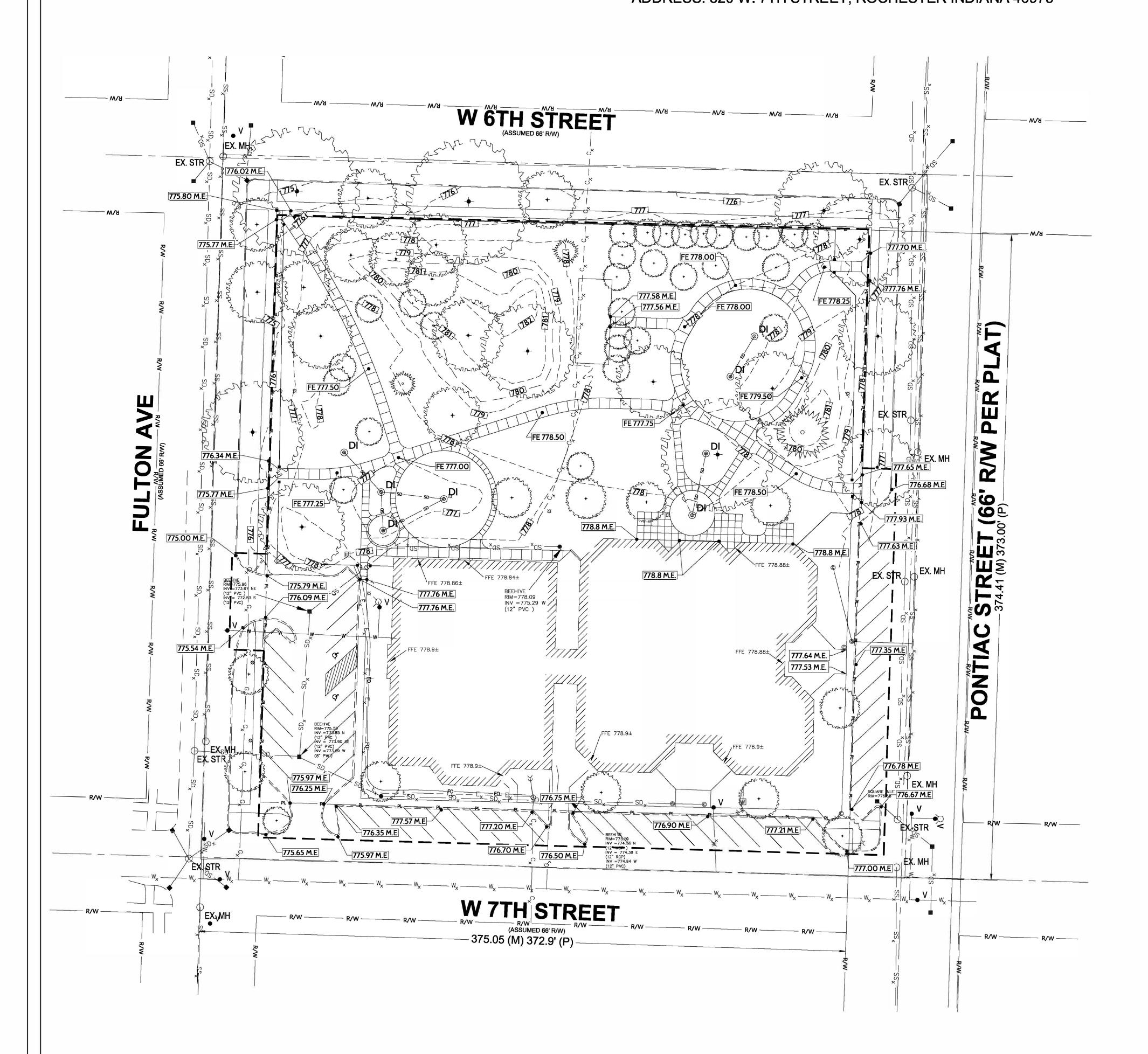
- REMOVE EXISTING TREES AND DISPOSE OF LEGALLY OFF-SITE.

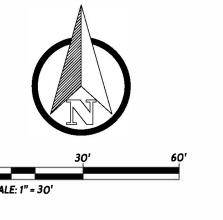
- PROTECT EXISTING CONCRETE, SIDEWALK, AND/OR CURB DURING ALL PHASES OF CONSTRUCTION.
- CONSTRUCTION. (SEE ARCHITECTURAL PLANS FOR DEMOLITION
- PROTECT EXISTING SANITARY SEWER, CLEANOUT, AND PIPE DURING
- PROTECT EXISTING GAS LINES AND METER FROM ALL PHASES OF
- REMOVE EXISTING UNDERGROUND/OVERHEAD ELECTRICAL CONDUITS AND POLES (POWER OR LIGHT) AND DISPOSE OF LEGALLY OFF-SITE.



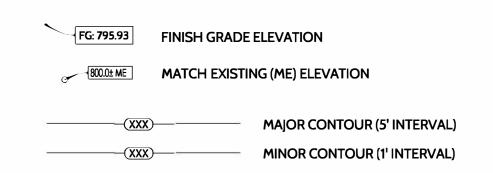
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# **GRADING LEGEND**

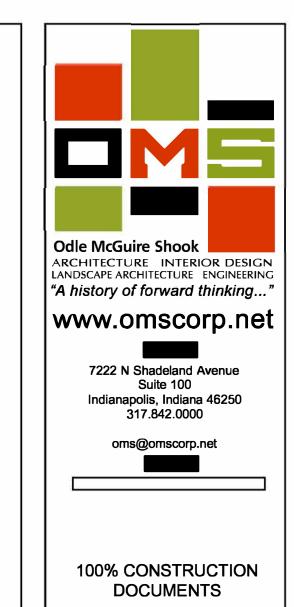


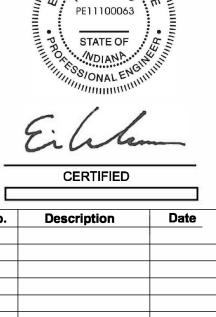
# **GENERAL PLAN NOTES:**

- 2, TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS. TOPSOIL SHALL
- 4. CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
- 5. PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
- 6. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY
- 7. SEE UTILITY PLAN SHEETS FOR STORM SEWER INVERT AND RIM ELEVATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.

# **GRADING PLAN NOTES:**

- 1. ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
- 2. TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS. TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF 6 INCHES UNLESS NOTED OTHERWISE.
- 3. MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
- 4. CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION. 5. PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND
- COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
- 6. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY
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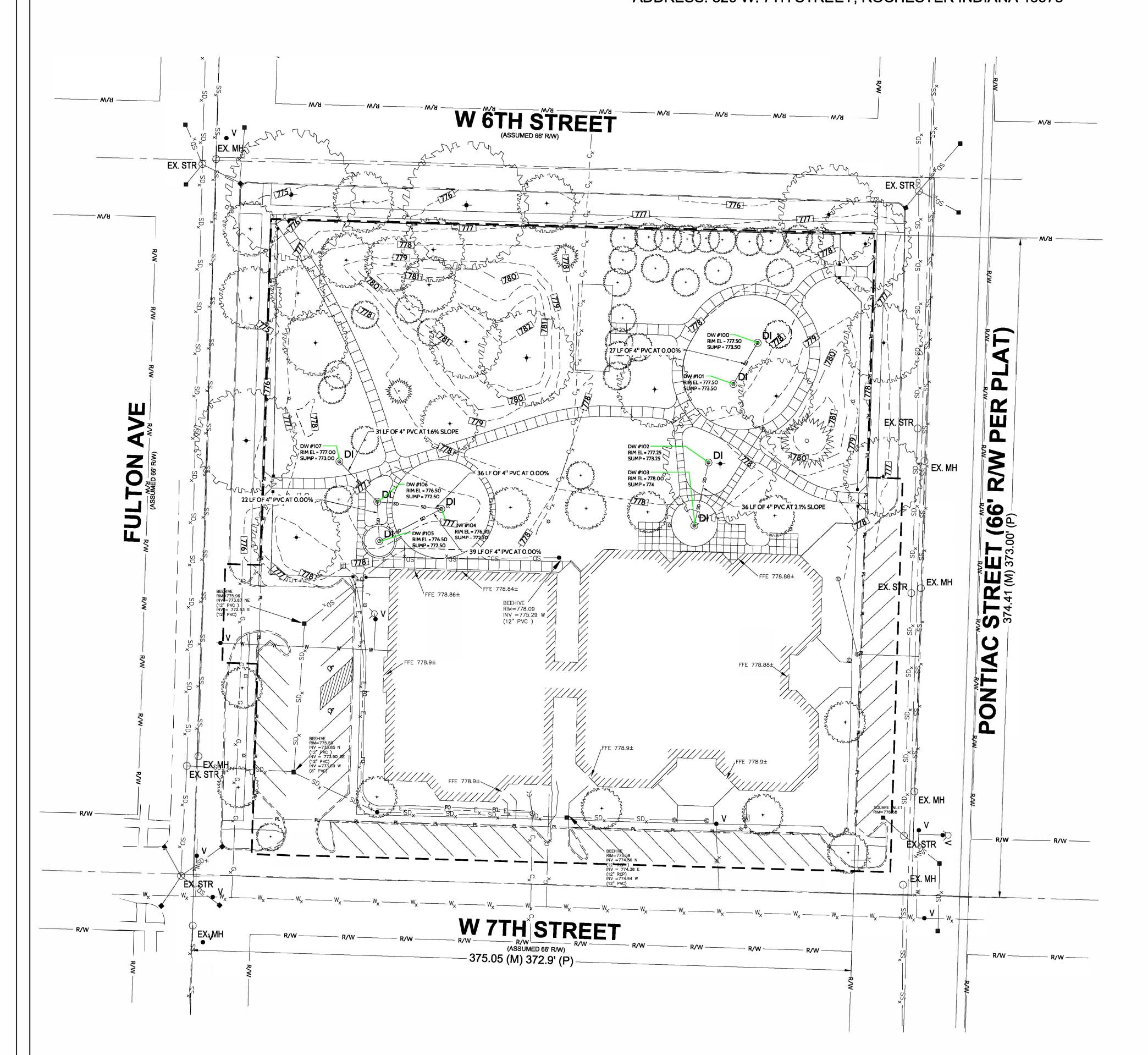
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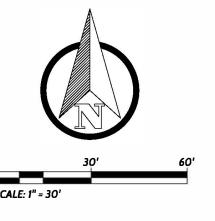
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**GRADING AND DRAINAGE** 

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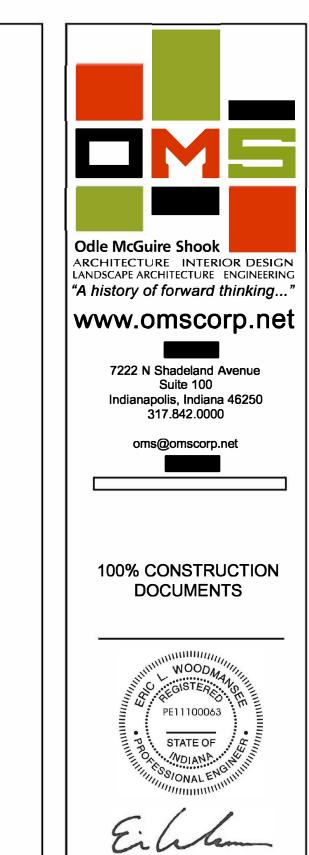




# **GRADING LEGEND**

# **GENERAL PLAN NOTES:**

- 1. ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
- BE SPREAD TO A MINIMUM DEPTH OF 6 INCHES UNLESS NOTED OTHERWISE.
- 3. MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE
- 4. CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
- 5. PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
- 6. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY
- 7. SEE UTILITY PLAN SHEETS FOR STORM SEWER INVERT AND RIM ELEVATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.



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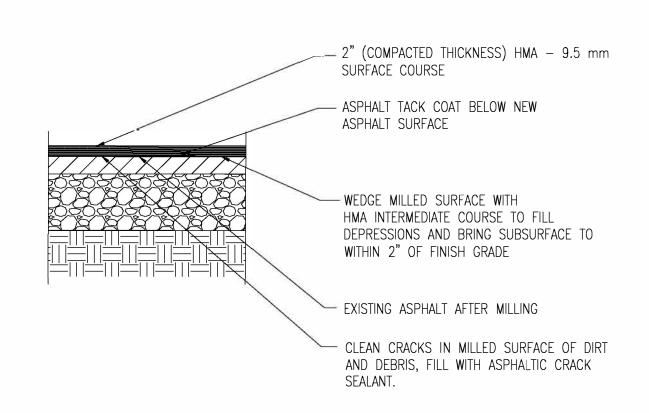
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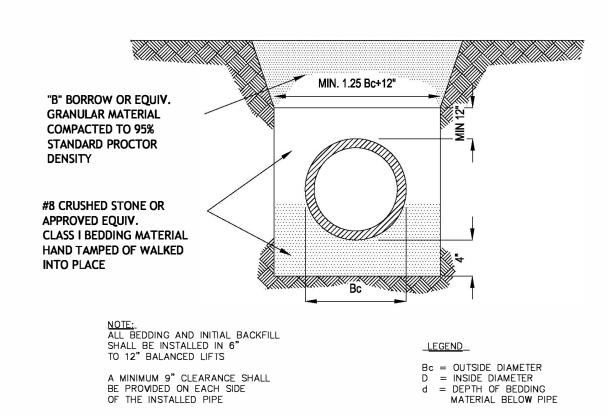
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C3.1 - ADD.2 DRAINAGE PLAN

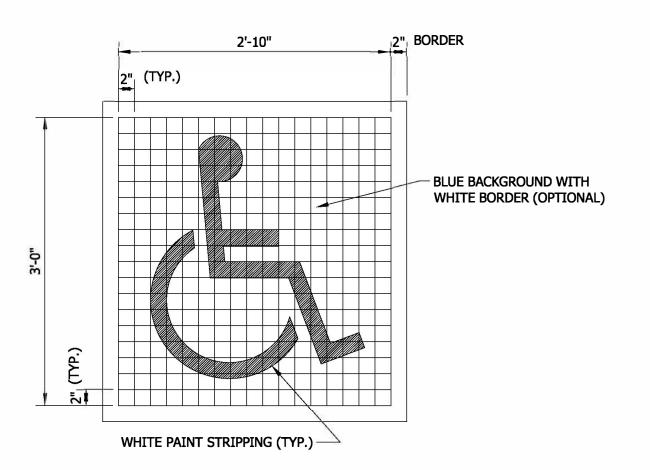




**ASPHALT RESURFACING DETAIL** SCALE: NONE



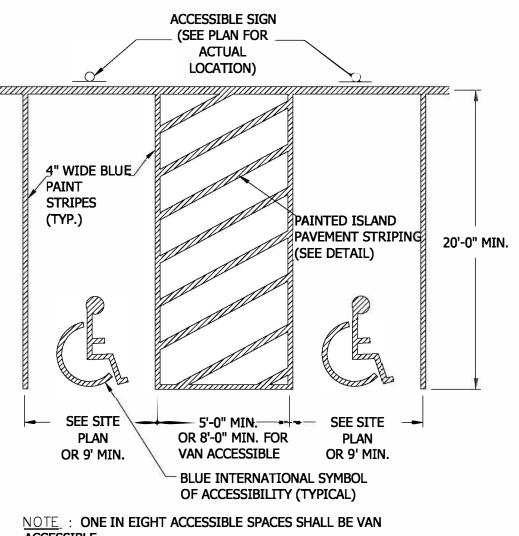
PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL SCALE: NONE



1. GRID IS FOR LAYOUT PURPOSES ONLY. IT SHALL NOT BE 2. HANDICAP PAVEMENT MARKINGS SHALL BE INSTALLED IN

## ADA PAVEMENT MARKING SCALE: NONE

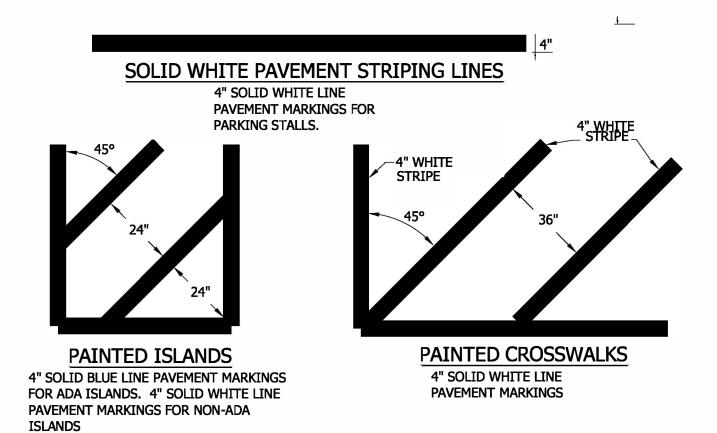
THE CENTER OF EACH PER PLAN.



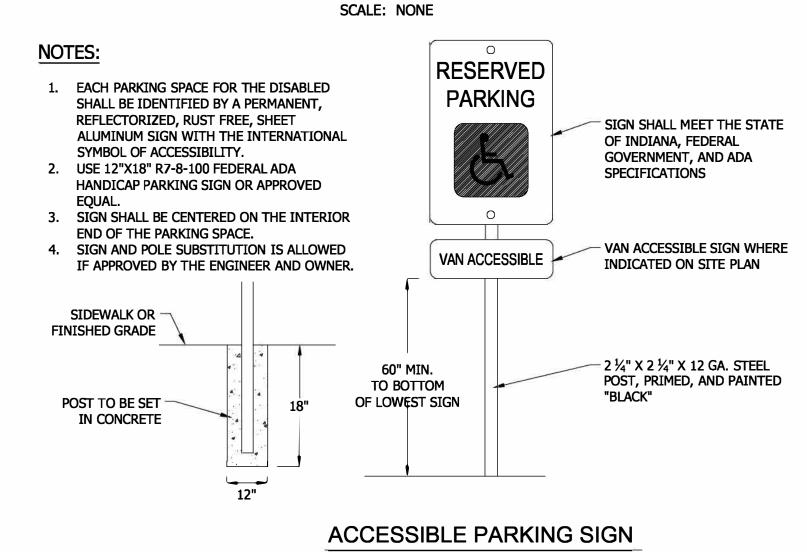
 $\underline{\text{NOTE}}_{-}$ : One in eight accessible spaces shall be van accessible,

ALCESSIBLES ATKANGS FACES SATTE BEADENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

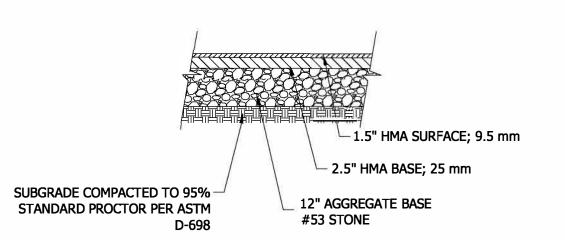
ACCESSIBLE PARKING SPACE SCALE: NONE



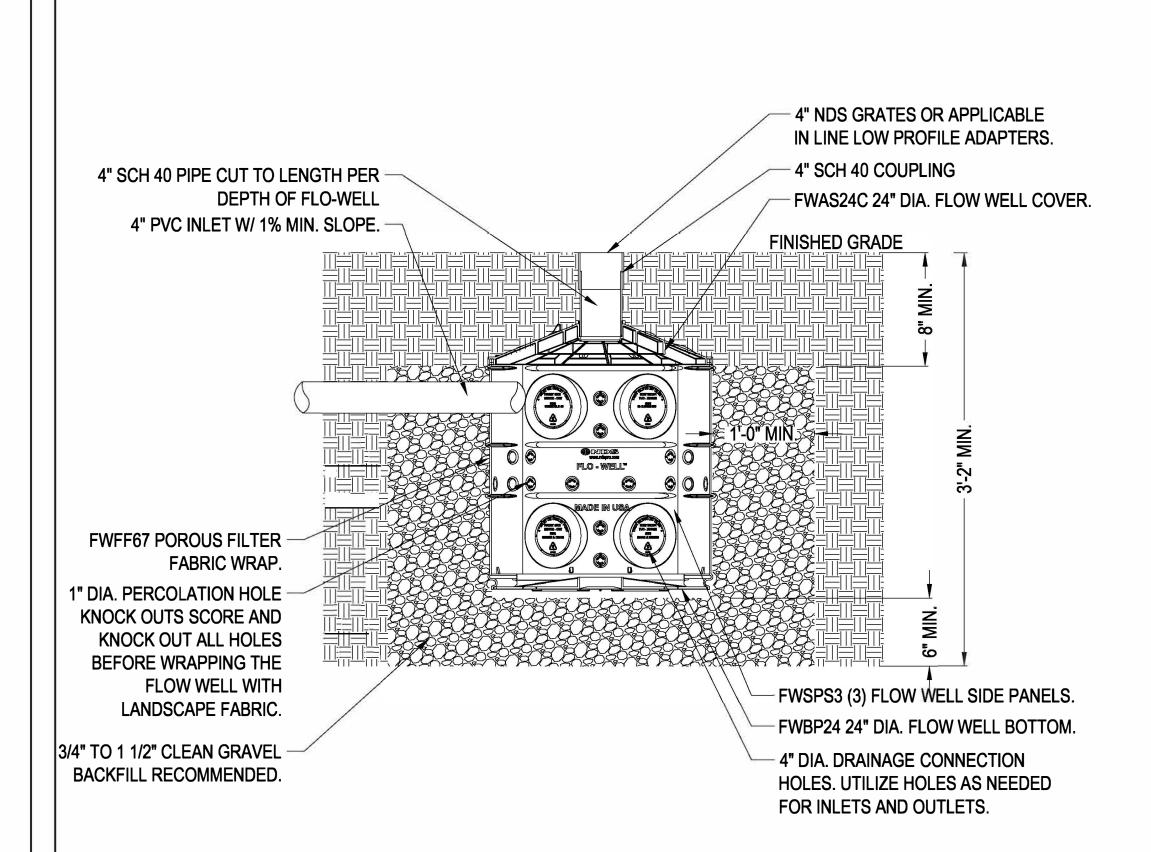
# PAVEMENT STRIPING



SCALE: NONE



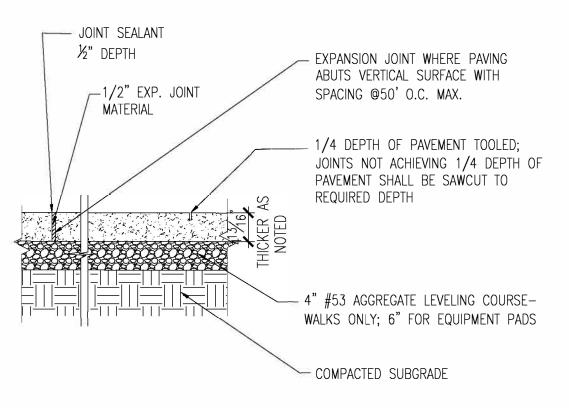
ASPHALT PARKING LOT PAVEMENT SECTION SCALE: NONE



- 1. MUST BE INSTALLED 10' AWAY FROM STRUCTUREOR FOUNDATION.
- 2. FWAS24 KIT DOES NOT COME WITH FWPB24 BTM.
- 3. REFERENCE FLO-WELL CALCULATOR ON NDSPRO.COM
- 4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 5. DO NOT SCALE DRAWING.
- 6. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
- 7. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.



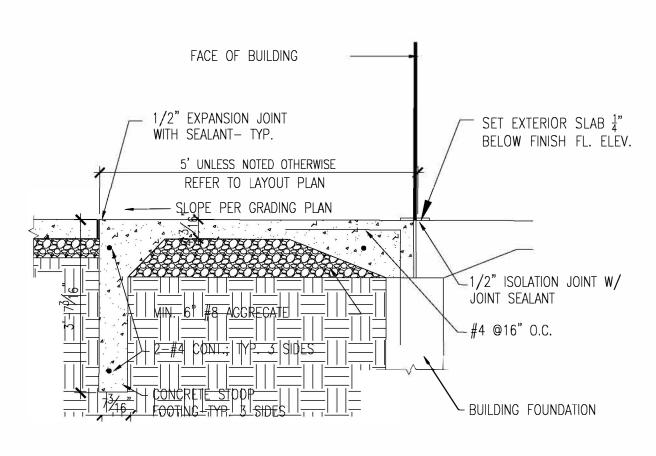
FLO-WELL INSTALLATION DETAIL - LOAD CLASS "A" & "B" - GRAVEL INSTALLATION DETAIL



NOTE: ALL CONCRETE PAVING SHALL HAVE FIBERMESH REINFORCING CONCRETE PAVING SHALL A LIGHT BROOM FINISH-TYP. -UNLESS NOTED OTHERWISE; BROOM TRANSVERSE TO DIRECTION OF TRAVEL

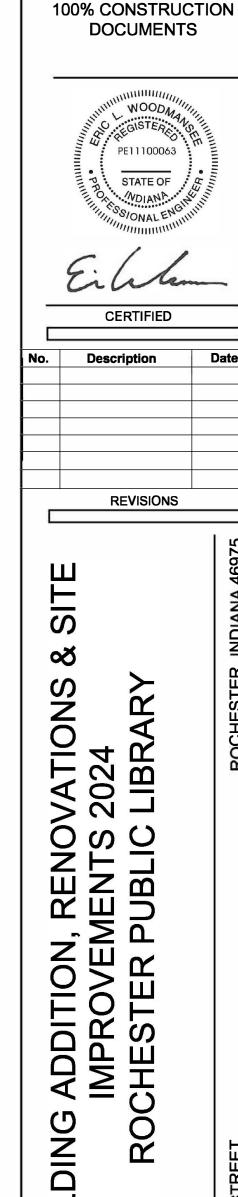
# **CONCRETE PAVEMENT**

SCALE: NONE



EXTEND STOOP 1'-0" WIDER THAN DOOR OPENING-BOTH SIDES UNLESS NOTED OTHERWISE

**CONCRETE STOOP** SCALE: NONE



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**CONSTRUCTION DETAILS** 

24029

**ELW** 

12/16/2024

by ODLE McGUIRE SHOOK

Project number:

Drawn by:

Checked by:

**Odle McGuire Shook** 

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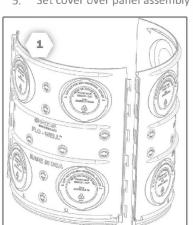
# Flo-Well Assembly and Installation Sheet

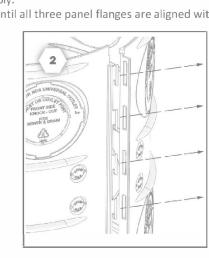
Thank you for purchasing the Flo-Well system by NDS, the following information can help you maximize the benefits Flo-Well has to offer.
Formname LFWAS24WH

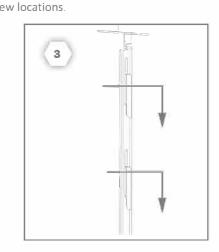
**WARNING**: Call before you dig. Contact your local utilities to create utility mark-out, and to avoid personal injury. **RECOMMENDED**: For all Flo-Well configurations install at least an appropriate 10 feet from foundations or structures.

### **ASSEMBLY INSTRUCTIONS**

- 1. Place two panels side by side and align male tabs with female flange.
- 2. Pinch tabs and flange flush until panels interlock. 3. For final lock, slide male tabs downward until panel edges are leveled at top.
- 4. Repeat steps 1-3 for the third panel assembly.
- 5. Set cover over panel assembly and rotate until all three panel flanges are aligned with cover screw locations.



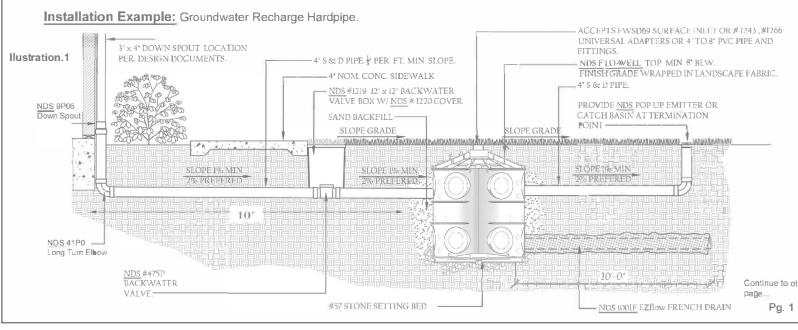


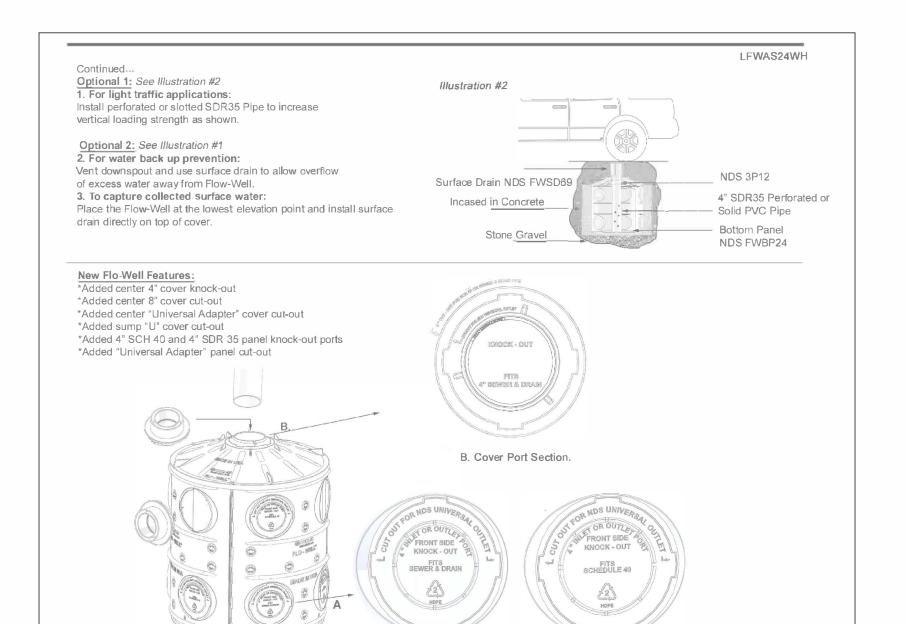


### **DRY WELL SETUP**

Required items: Small hammer, tape, fabric pack, NDS Universal Adapter, shovel, sand or recommended 3/4" stone gravel, 4" PVC pipe, jig-saw, and catch basin or downspout adapter

- 1. Strategically plan Flo-Wells location at a minimum distance of 10' from foundations.
- a. Note: Take into consideration traffic and elevation conditions. 2. Once Flo-Well location is verified; dig a 4' wide by 4' deep hole.
- 3. Dig a trench from the end of the downspout at about 1' deep and 6" wide that slopes gradually towards the Flo-Well.
- 4. For pipe connection and leach direction, use small hammer to knock-out appropriate 1" and 4" panel ports or use jigsaw to cut out universal adapter port.
- 5. Wrap fabric around Flo-Well and secure with tape to prevent soil from entering drain holes. 6. Place Flo-Well assembly into ground and insert preferred 4" pipe into knocked-out port. Connect other end of 4" pipe to downspout
- either by catch basin or downspout adapter. a. Note: Use NDS Universal Adapter and lock within panel universal adapter cut out for 3" and 6" pipes.
- 7. Backfill evenly around the Flo-Well with sand or recommended 3/4" stone gravel.
- 8. Bury Flo-well assembly with top at least 8" below the surface grade.





## SUMP PUMP SETUP

Required items: Small hammer, tape, fabrīc pack, shovel, sand or recommended ¾" stone gravel, jīg saw, and pump 1. Follow assembly instructions in section 1 then dig a 4' wide by 4' deep hole at a minimum distance of 10' from foundations.

- 2. For leach direction, use small hammer to knock-out appropriate 1" panel drain holes. 3. Wrap fabric around Flo-Well and secure with tape to prevent soil from entering drain holes.
- 4. Place Flo-Well assembly into ground and back fill around evenly up to cover with sand or recommended ¾" stone gravel.
- 5. For sump pumps there are (3) options:
- 6. a.) Knock-out the center 4" plug on the top cover if your pump has a center discharge. b.) Cut-out 8" circle template on cover with jigsaw for drop-in sump, cover with 8" S&D pipe, cap or install NDS 8" rnd. Grate part #
- c.) Cut out the "U" shaped section on the top of cover with a jig saw for pedestal pumps with cut-off floats.
- 7. Attach pump to cover to insure smooth operation of cut-off float.

## For Installation details, please visit our website www.NDSPRO.com

Ndspro.com > Products and Solutions > Drainage Solutions > Flo-Well Drywell. The detail drawings will be under the 'Specify Flo-Well' category. **IMPORTANT NOTICE:** It is your obligation to determine whether this product is suitable for your intended use and particular method of application. CONSULT YOUR LOCAL BUILDING OFFICIALS TO INSURE COMPLIANCE WITH ALL BUILDING CODES AND REQUIREMENTS.

CAUTION: The step-by-step installation instructions provided reflect mechanical assembly only. Additional information may be necessary to insure proper results for all applications. Consult with professionals to determine special soils conditions and structural requirements.



Another Quality Product brought to you by NDS, Inc. 851 N. Harvard Avenue, Lindsay CA 93247

WE PUT WATER IN ITS PLACE If you have any questions or comments about this product, please call us at (800) 726-1994

A. Side Panel Ports Section

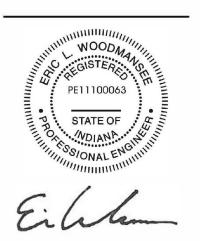
Pg. 2



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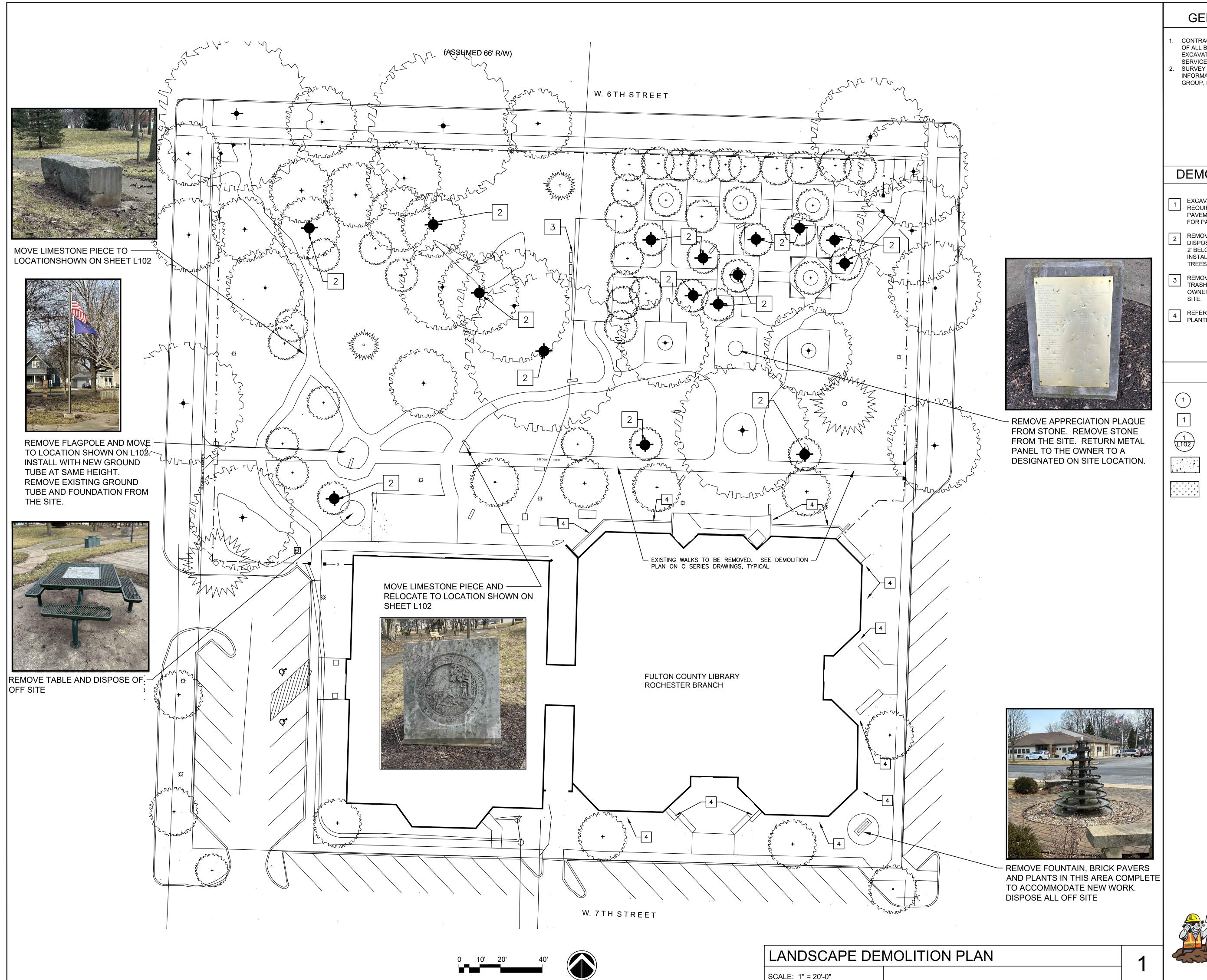
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**CONSTRUCTION DETAILS** 



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SURVEY AND PROPERTY BOUNDARY INFORMATION PROVIDED BY VITREON GROUP, INDIANAPOLIS, INDIANA.

# **DEMOLITION NOTES:**

 EXCAVATE TO SUBGRADE ELEVATION REQUIRED FOR NEW CONCRETE PAVEMENT. SEE LAYOUT PLAN AND DETAILS FOR PAVEMENT DEPTHS AND LOCATIONS.

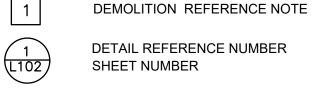
REMOVE EXISTING TREE AND ROOT AND DISPOSE OF OFF SITE. REMOVE ROOTS TO 2' BELOW PROPOSED FINISH GRADE. INSTALL NEW TOPSOIL IN AREAS WHERE TREES HAVE BEEN REMOVED.

REMOVE ALL EXISTING BENCHES AND TRASH CONTAINERS AND RETURN TO OWNER. DELIVER TO DESIGNATED AREA ON

4 REFERENCE 'A' SERIES DRAWINGS FOR PLANTER WALL REMOVAL IN THIS AREA.

# LEGEND:

LAYOUT REFERENCE NOTE



DETAIL REFERENCE NUMBER SHEET NUMBER

Know what's **below**. **Call** before you dig.



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Matthew R. Mayol

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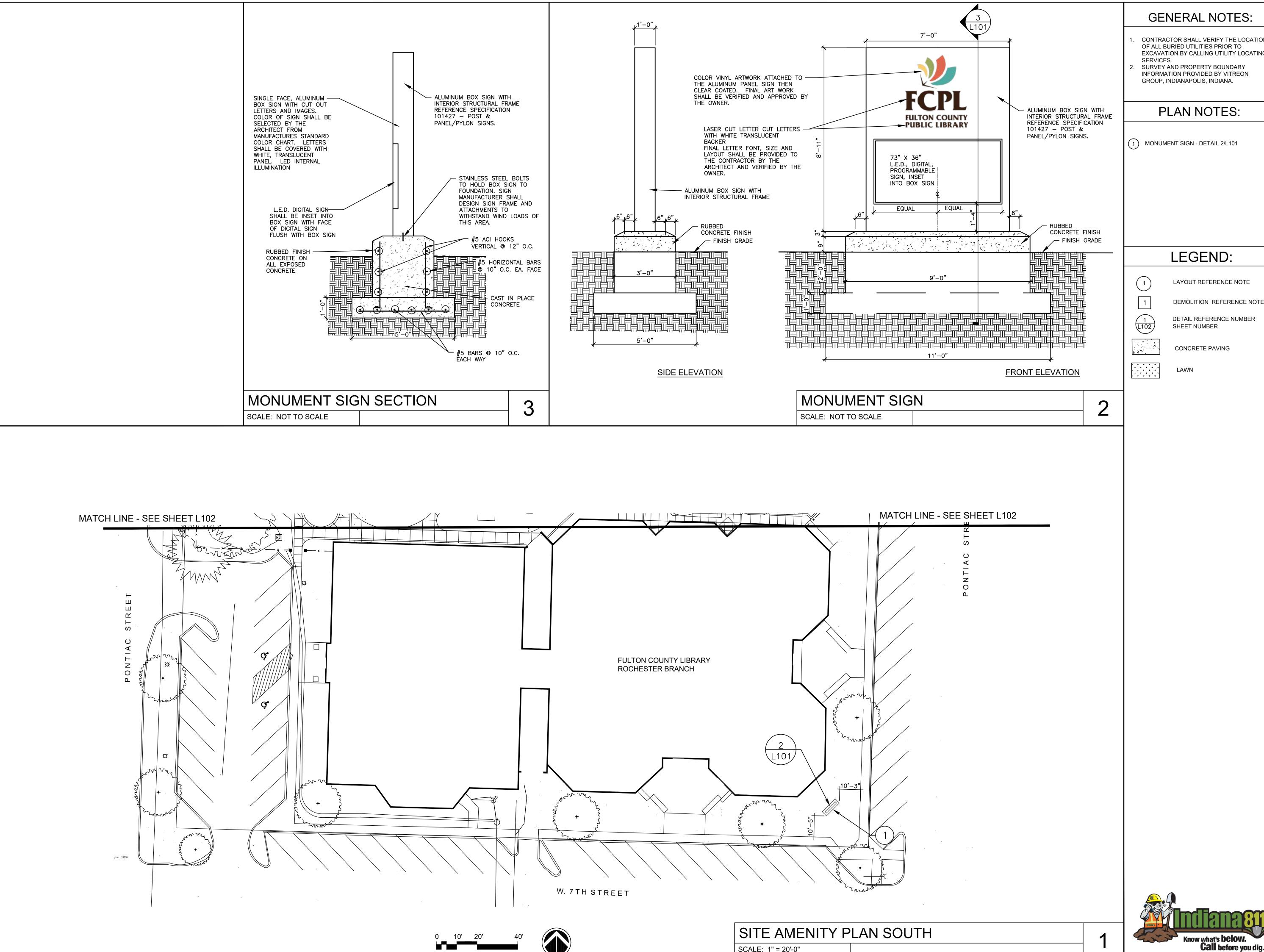
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L100 ADD.2

**ROCHESTER BRANCH** LANDSCAPE DEMOLITION PLAN



SCALE: 1" = 20'-0"

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# PLAN NOTES:

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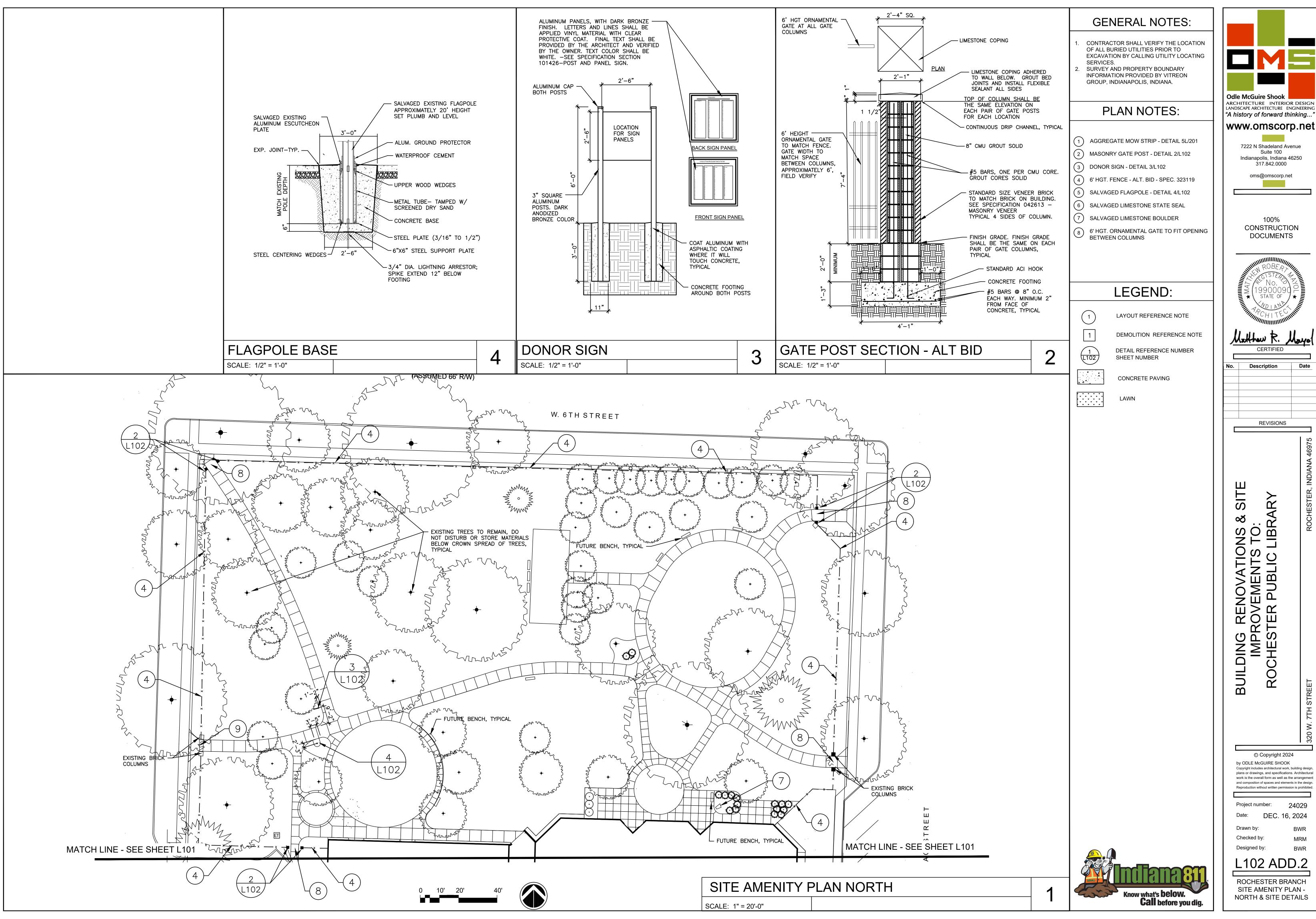
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ROCHESTER BRANCH SITE AMENITY PLAN & SITE **DETAILS** 



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**ROCHESTER BRANCH** SITE AMENITY PLAN -NORTH & SITE DETAILS

## PLANT SCHEDULE

QUANTITY:	SYMBOL:	BOTANICAL NAME:	COMMON NAME:	SIZE - CONDITION:	REMARKS:	
ORNAMENTAL TREES						
3	AS	Acer r. 'Somerset'	Somerset Red Maple	2 ½" Cal. B&B	Straight trunks	
EVERGRE	EN SHRU	BS				
6 3 26 16	BK IG JK JG	Buxus k. 'Green Gem' llex glabra 'Chamzin' Juniperus p. 'Kallay' Juniperus v. 'Gray Owl'	Green Gem Boxwood Nordic Holly Kallay Juniper Gray Owl Juniper	18" Hgt. B&B 18" Hgt. B&B 24" Spr. B&B 24" Spr. B&B	Matched, Full to ground Matched, Full to ground	
FLOWERING SHRUBS						
9 3 11 14	HA HQ SJ VD	Hydrangea a. 'Annabelle' Hydrangea quercifolia Spirea j. 'Neon Flash' Viburnum d. Christom	Annabelle Hydrangea Oakleaf Hydrangea Neon Flash Spirea Blue Muffin Viburnum	30" Hgt. B&B 30" Hgt. B&B 18" Hgt. Pot 24" Hgt. B&B	Full Full Full Full	
PERENNIA	ALS					
24 15 25	EH SN WC	Echinacea x. 'Harvest Moon' Sedum sp. 'Neon' Nepeta f 'Walker's Low'	Harvest Moon Coneflower Neon Upright Sedum Walker's Low Catmint	1 Gal. Pot 1 Gal. Pot 1 Gal. Pot		
ORNAMENTAL GRASSES						
18 34	PS SB	Panicum v. 'Shenandoah' Schizachyrium s. 'The Blues'	Shenandoah Switch Grass The Blues Little Bluestem	1 Gal. Pot 1 Gal. Pot		

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- SURVEY AND PROPERTY BOUNDARY INFORMATION PROVIDED BY VITREON GROUP, INDIANAPOLIS, INDIANA.

# LANDSCAPE NOTES:

- 1. ALL PLANT MATERIAL SHALL CONFORM TO ANSI Z 60-2004. SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE SPECIMEN OR QUALITY GRADE.
- 2. CONTRACTOR SHALL TILL EXISTING TOPSOIL 6" DEEP IN AREAS WHERE LAWN IS TO BE SODDED AND AMEND SOILS PER THE SOIL PREPARATION SPECIFICATION. INSTALL TOPSOIL TO FINISH GRADE IN AREAS WHERE EXISTING TREES OR PAVEMENT WAS REMOVED. IF LANDSCAPE IRRIGATION ALLOWANCE IS ACCEPTED BY THE OWNER, INSTALL LANDSCAPE IRRIGATION BEFORE FINAL GRADING AND INSTALLATION OF SOD. INSTALL SOD AND FERTILIZER PER SPECIFICATIONS.
- 3. CONTRACTOR SHALL TILL EXISTING TOPSOIL TO DEPTH OF 4" WHERE LAWN IS TO BE SEEDED AND AMEND SOIL PER THE SOIL PREPARATION SPECIFICATION. INSTALL TOPSOIL TO FINISH GRADE IN AREAS WHERE EXISTING PAVEMENT OR TREES WERE REMOVED. SEED, FERTILIZE AND MULCH PER SPECIFICATIONS.
- 4. CONTRACTOR SHALL REPAIR, FINISH GRADE AND SEED ALL AREAS DISTURBED BY CONSTRUCTION. INSTALL TOPSOIL TO FINISH GRADE IN AREAS WHERE TREES, WALLS OR PAVEMENT WAS REMOVED. DO NOT DISTURB EXISTING TREE ROOTS OR TRUNKS.
- 5. PLANT BED WOOD MULCH EDGE PER DETAIL
- 6. AGGREGATE MOW STRIP PER DETAIL 5/L201.

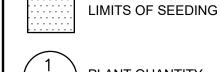
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# LANDSCAPE LEGEND:



ZS PLANT QUANTITY PLANT NAME KEY



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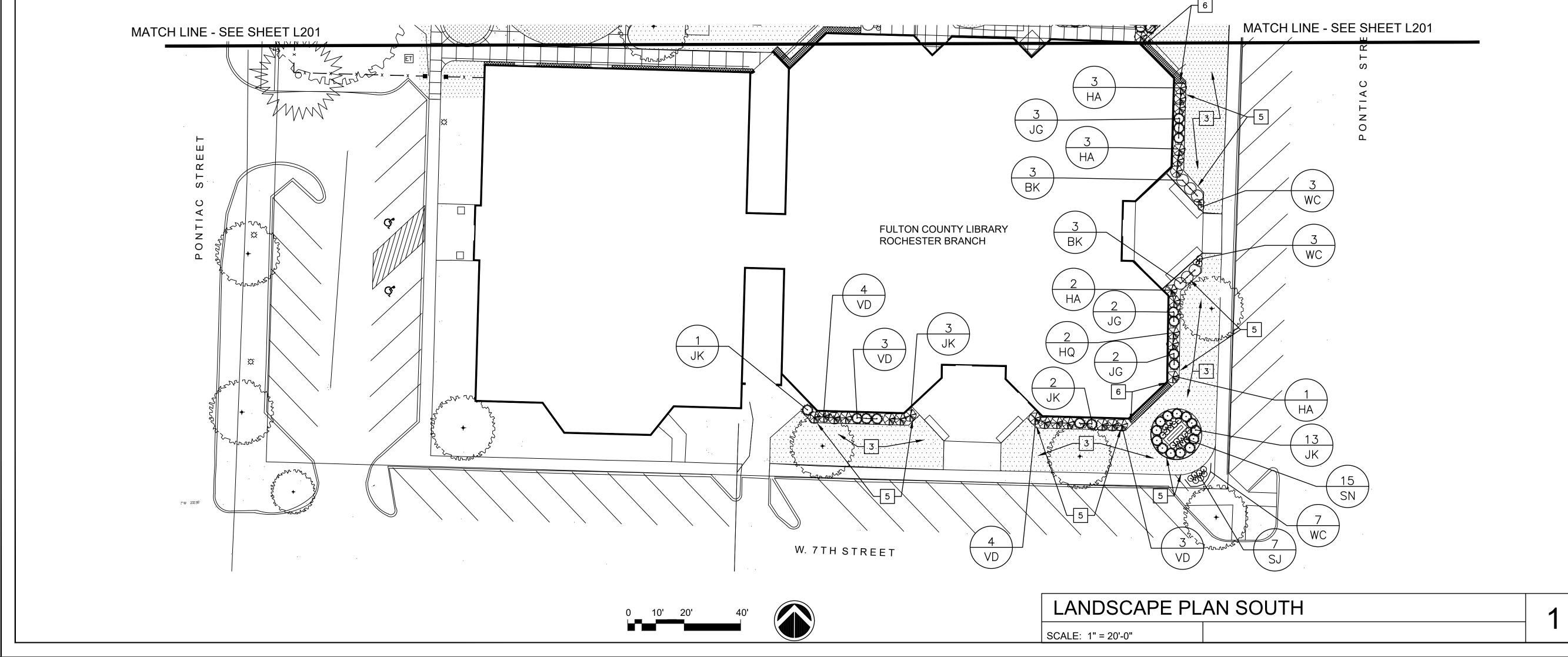
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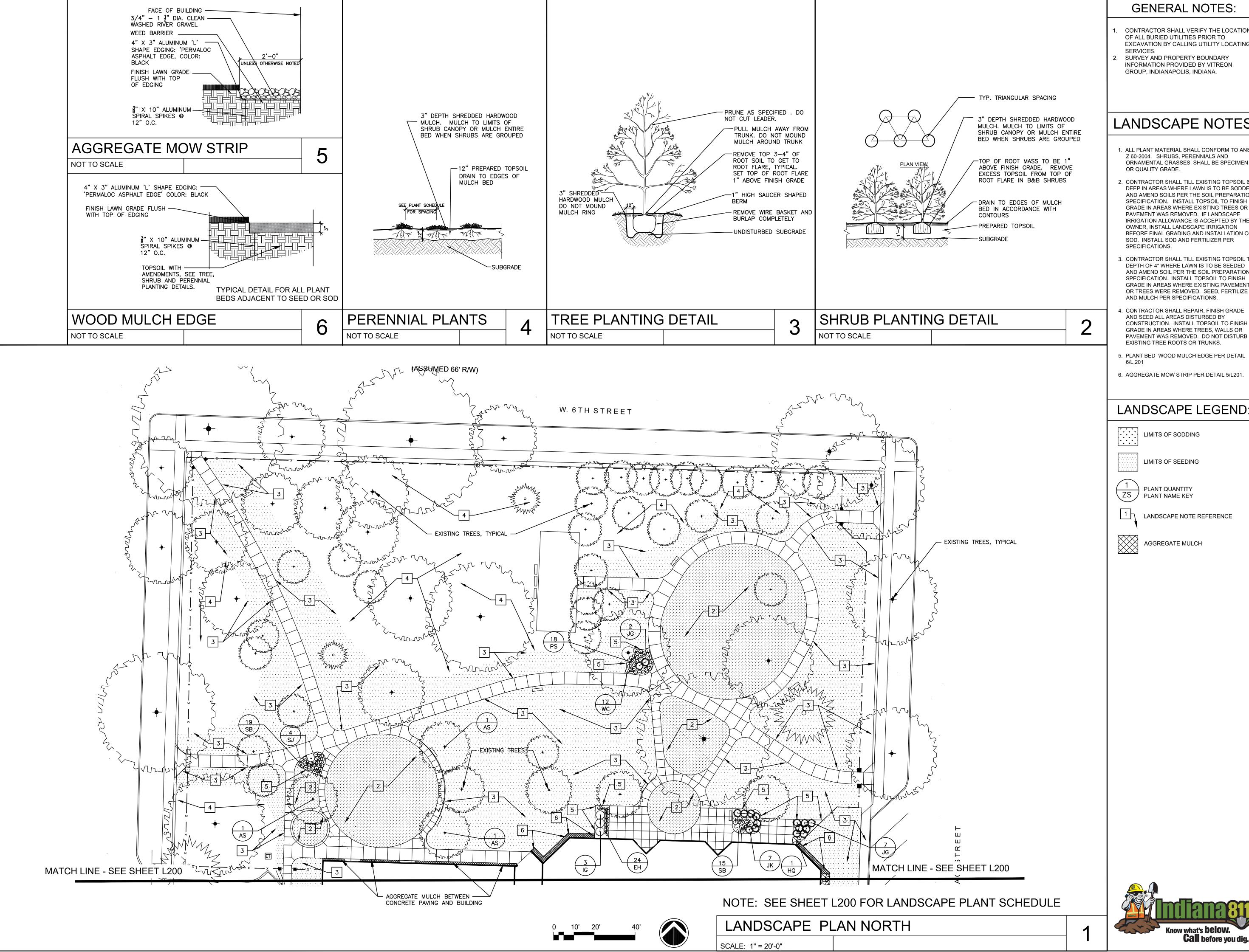
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LANDSCAPE PLAN - SOUTH

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- 6. AGGREGATE MOW STRIP PER DETAIL 5/L201.

# LANDSCAPE LEGEND:

PLANT QUANTITY ZS PLANT NAME KEY

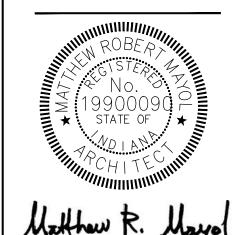
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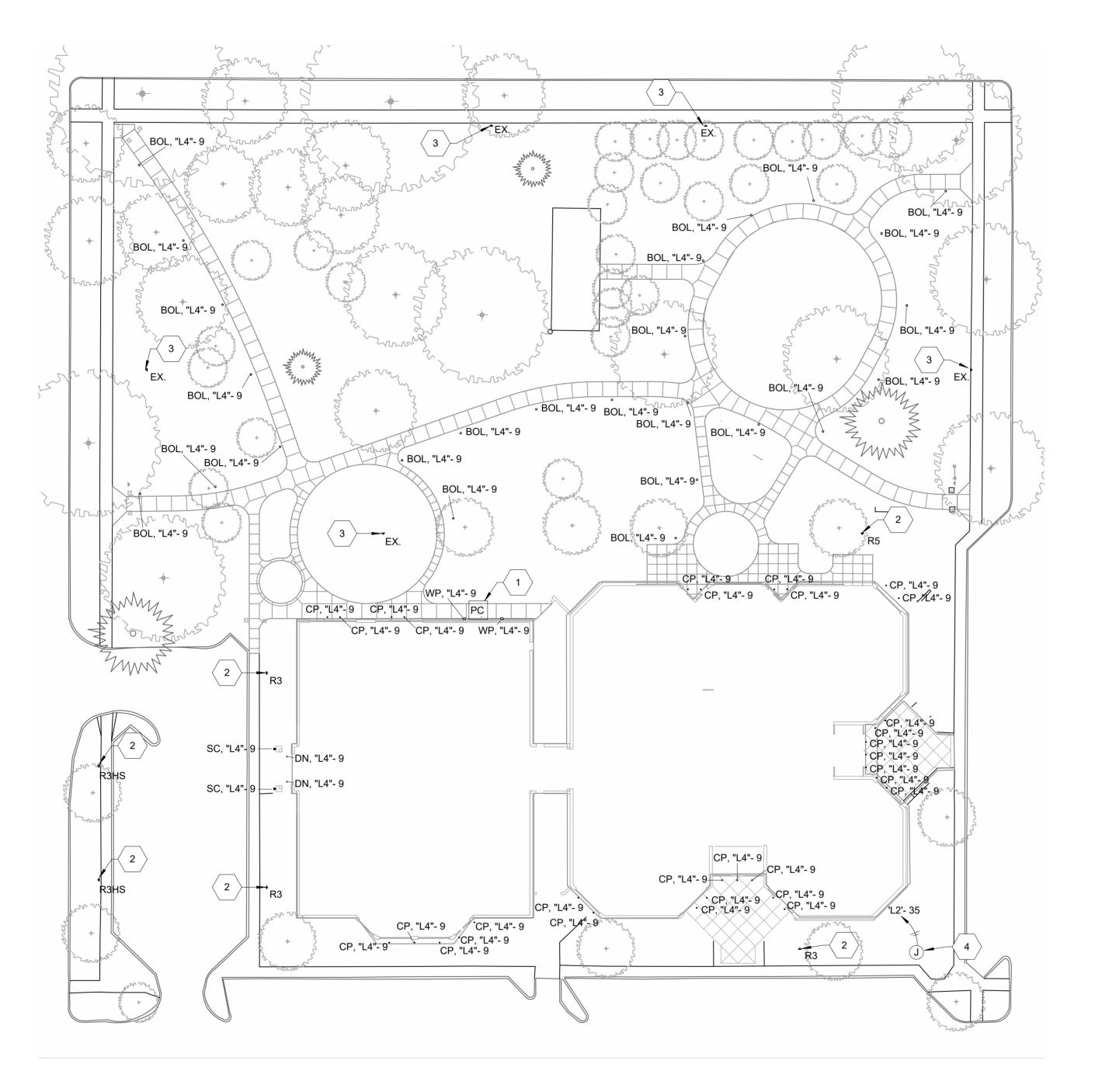
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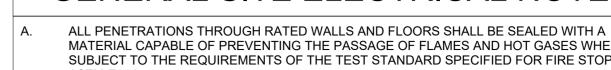


# GENERAL SITE ELECTRICAL NOTES

- ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECT TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIED FOR FIRE STOPS
- ALL WIRE SHALL BE IN RIGID CONDUIT. FLEXIBLE CONDUIT AND MC CABLE CAN BE USED FOR FINAL CONNECTIONS. ROMEX IS NOT PERMITTED.
- MAXIMUM LOAD ON A 20 AMP CIRCUIT MUST NOT EXCEED 80% OR 16 AMPS.
- SHALLOW BOXES.
- CONTRACTOR TO VERIFY EXACT CIRCUITS BEING USED PRIOR TO BID.

- ALL DASHED CONDUIT SHWON IN PLANS IS TO BE DIRECT BURIED.
- SEE SHEET E-104 FOR LIGHTING SCHEDULE INFORMATION.
- PHOTOCELL ON EXTERIOR OF BUILDING ON THE NORTH SIDE OR AS REQUIRED PER MANUFACTURER RECOMMENDATIONS FOR CONTROL OF EXTERIOR LIGHTING, TORK, MODEL #3010 OR SIMILAR. PROVIDE APPROPRIATE LIGHTING CONTACTOR TO CONTROL ALL EXTERIOR LIGHTING FROM THE SAME PHOTOCELL.
- 2 EXISTING SITE LIGHTING TO REMAIN. CONTRACTOR SHALL FURNISH AND INSTALL NEW FIXTURE AT EXISTING LOCATION. NO CHANGE TO CIRCUIT OR CONTROL ANTICIPATED. MAINTAIN EXISTING POLE AND BASE. VERIFY EXACT LOCATION PRIOR TO REPLACEMENT.
- 3 REMOVE EXISTING OUTDOOR LIGHT FIXTURE, BASE AND WIRING FROM THE INDICATED AREA. 4 FURNISH AND INSTALL NEW JUNCTION BOX FOR CONNECTION TO MESSAGE SIGN. PROVIDE CONDUIT WITH PULLSTRING BACK TO INTERIOR OF SPACE. COORDINATE INSTALLATION OF





ALL CONDUIT LOCATED ON CMU WALLS TO BE SURFACE MOUNTED RECPTACLES WITH

ALL SURFACE MOUNTED CONDUIT AND BOXES ARE TO BE SHALLOW AND PAINTED SUCH THAT THEY MATCH EXISTING OR ARCHITECTURAL FINISH.

ALL CIRCUIT NUMBERS LISTED ARE PLACEHOLDERS FOR DESIGN PURPOSES ONLY.

CONTRACTOR TO VERIFY THAT NO OVERLOADING OCCURS.

# **KEY NOTES**

1 FURNISH AND INSTALL NEW PHOTOCELL. EXTERIOR FIXTURES SHALL BE CONTROLLED BY

JUNCTION-BOX AND CONTROL WITH INSTALLATION OF SIGN.

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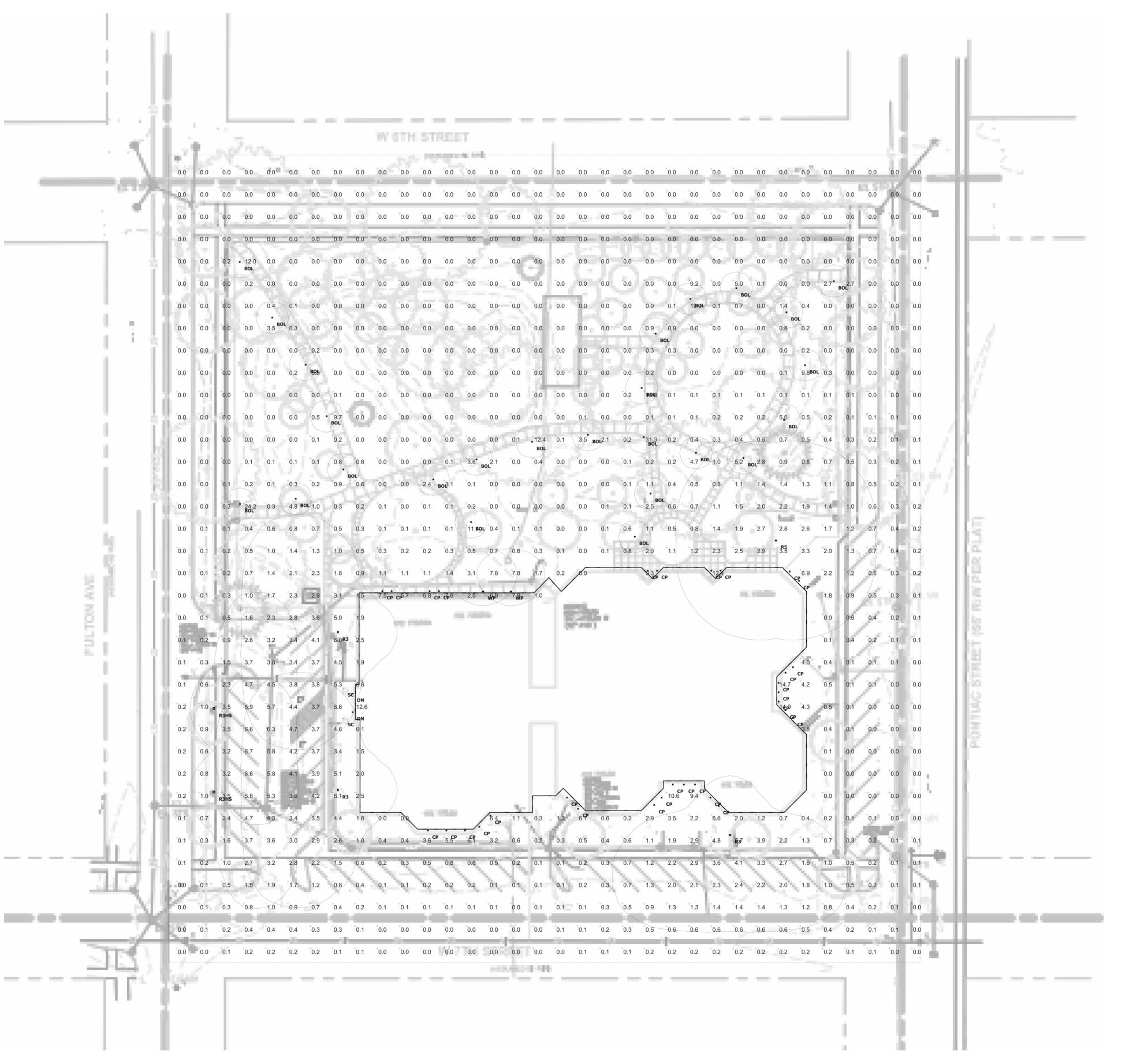
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SITE LIGHTING PLAN







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