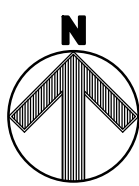


HUDSON VETERINARY

CITY OF HUDSON COUNTY OF SUMMIT STATE OF OHIO



VICINITY MAP
NO SCALE



Survey by: _____



IMPERVIOUS AREAS			
PREDEVELOPED	= 0.00 AC.	=	0.00%
POSTDEVELOPED	= 0.00 AC.	=	0.00%
TOTAL SITE AREA = 0.00 AC.			



2555 Hartville Rd., Suite B
Rousestown, OH 44272
www.WeberEngineeringServices.com
330-329-2037
matt@webercivil.com



Reg. No.: 61709

CLIENT:

OWNER:

Issue Date

12-17-2024
12-19-2024
02-11-2025
03-17-2025
04-21-2025

HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

TITLE
SHEET

C100
Project No. 2024-183

- GENERAL NOTES
- ALL ROAD SURFACES, EASEMENTS OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT ARE TO BE RESTORED COMPLETELY TO THE EXISTING CONDITION OR BETTER, WHEN ORDERED BY THE CITY ENGINEER. ALL ITEMS ARE INCLUDED IN THE PAY ITEMS.
 - PRICES BID PER FOOT FOR ALL PIPE IS COMPLETE IN PLACE REGARDLESS OF SOIL OR ROCK CONDITIONS.
 - THE LOCATIONS OF ALL GAS LINES AND GAS SERVICE LINES TO BE DETERMINED BY THE CONTRACTOR. EXISTING APPURTENANCES SUCH AS UTILITY POLES AND VALVE BOXES, ETC. ARE TO BE HELD BY THE CONTRACTOR DURING CONSTRUCTION.
 - THE CONSTRUCTION OF THIS PROJECT SHALL BE GOVERNED BY THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (CURRENT EDITION) SUPPLEMENTED WHERE APPLICABLE BY THE CITY OF HUDSON ENGINEERING STANDARDS AND/OR LAND DEVELOPMENT CODE. CITY OF HUDSON REGULATIONS SHALL TAKE PRECEDENCE WHENEVER IN CONFLICT WITH O.D.O.T.
 - NOTIFY THE CITY OF HUDSON ENGINEER AT 330-342-1770, 48 HOURS BEFORE ANY CONSTRUCTION ACTIVITY.
 - FERTILIZING, SEEDING AND MULCHING FOR RESTORATION OF DISTURBED AREAS SHALL CONFORM TO SECTIONS 659.08 AND 659.09 AS SPECIFIED IN O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS (CURRENT EDITION).
 - ALL DISTURBED SIGNS, DRIVES AND DRIVE CULVERTS SHALL BE REPAIRED AND/OR REPLACED DURING THE CONSTRUCTION AT NO ADDITIONAL COST UNLESS OTHERWISE INDICATED ON THE PLANS.
 - ALL DISTURBED AND/OR DAMAGED STORM SEWER PIPES, STORM SEWER APPURTENANCES, PAVEMENTS, BERMS AND DITCHES SHALL BE REPAIRED AND/OR REPLACED AS DIRECTED BY THE CITY ENGINEER.
 - CALL THE OHIO UTILITIES PROTECTION 48 HOURS PRIOR TO START OF CONSTRUCTION AT 1-800-362-2764 OR 8-1-1.
 - TEMPORARY WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL, SHALL BE REQUIRED IN ACCORDANCE WITH THE APPROVED SWP3 AS DIRECTED BY THE CITY ENGINEER AND SUMMIT SOIL AND WATER CONSERVATION DISTRICT.
 - STORM SEWER PIPE MATERIALS SHALL CONSIST OF PVC MEETING ASTM D-3034 OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE MEETING AASHTO M294, TYPE 5, (PRIVATE PROPERTY ONLY). ALL STORM SEWER PIPE MATERIAL WITHIN THE R/W & STORM WATER MANAGEMENT BASIN SHALL BE RCP.
 - THE CITY ENGINEER IN APPROVING THESE PLANS AND DEDICATION PLAT THEREOF DOES NOT IN ANY WAY RELIEVE THE DEVELOPER'S ENGINEER OF THEIR RESPONSIBILITY FOR ACCURATE AND COMPLETE ENGINEERING DESIGN.
 - THE CITY ENGINEER SHALL NOT BE HELD LIABLE FOR DAMAGES OF ANY TYPE, WHICH OCCUR AS A RESULT OF ERROR AND/OR OMISSIONS IN THE ENGINEERING DESIGN DATA PRESENTED BY THE OWNER'S ENGINEER. NEITHER SHALL THE CITY ENGINEER BE LIABLE FOR DAMAGES RESULTING FROM THE DEVELOPER'S CONTRACTORS NOT COMPLYING WITH APPROVED PLANS OR BY USING CONSTRUCTION METHODS OR MATERIALS NOT APPROVED BY THE CITY ENGINEER.
 - ALL STORM WATER MANAGEMENT FACILITIES ARE TO BE PRIVATELY OWNED AND MAINTAINED.
 - A 12" MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF ALL WATER MAINS TO THE EDGE OF ALL PROPOSED STORM SEWERS AND/OR INLET LEAD PIPE WHERE THEY CROSS.
 - A 10.0' MINIMUM HORIZONTAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF THE STORM SEWER PIPE.
 - A 10.0' MINIMUM HORIZONTAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF THE SANITARY SEWER AND/OR FORCE MAIN PIPE.
 - AN 18" MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF ALL WATER MAIN PIPES TO THE EDGE OF ALL SANITARY SEWER PIPE WHERE THEY CROSS.
 - EARTHWORK AND SITE PREPARATION SHALL BE AS SPECIFIED IN THE SOILS REPORT.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IN THE CITY ENGINEERING AND COUNTY BUILDING DEPARTMENTS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL SILTATION CONTROL MEASURES NECESSARY TO PREVENT SILT FROM LEAVING THE SITE.
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF DEMOLITION MATERIAL AND DEBRIS.
 - ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
 - ALL CURB CUTS MUST BE PERFORMED WITH A HORIZONTAL CONCRETE CUTTING SAW.
 - ELECTRICAL CONDUIT SHALL BE AS REQUIRED BY HUDSON PUBLIC POWER.
 - TELEPHONE CONDUIT SHALL BE AS REQUIRED BY LOCAL PHONE COMPANY.
 - ALL SANITARY SEWER MATERIAL SHALL CONSIST OF PVC SDR-35 MEETING ASTM D3034 WITH JOINTS CONFORMING TO ASTM D3212, UNLESS OTHERWISE NOTED ON THE PLANS.

INDEX

DESCRIPTION

TITLE SHEET
DEMOLITION PLAN
SITE PLAN
UTILITY PLAN
GRADING PLAN
SITE DETAILS
SWP3
SWP3 DETAILS

SHEET NO.

C100
C101
C102
C103
C104
C105
C106
C107-C110





EXISTING LEGEND

- | | | | |
|--|---------------------------|--|------------------------|
| | POWER POLE | | EX. EDGE OF WATER |
| | POWER POLE - EMPTY | | EX. FENCE |
| | POWER POLE - HIGH TENSION | | EX. TREE LINE |
| | CATCH BASIN | | EX. RAILROAD |
| | CLEAN-OUT | | FENCE |
| | WELL | | OVERHEAD UTILITY WIRES |
| | GAS MARKER | | GAS LINES |
| | GAS TONE | | SANITARY LINES |
| | GAS METER | | STORM LINES |
| | ELECTRIC TONE | | EX. WATER |
| | ELECTRIC OUTLET | | WATER LINES |
| | CABLE MARKER | | MAJOR CONTOURS |
| | SIGN | | MINOR CONTOURS |
| | | | EX. EASEMENT |
| | | | EX. COMM. LINE |

① R = 2182.49
Δ = 0514'05"
A = 199.40
T = 99.77
C = 199.33
N36°27'58"W

② R = 2172.49
Δ = 06°42'39"
A = 254.46
T = 127.38
C = 254.31
N30°40'25"W

P.N. 30-01860
JOHN W. and MARY KAY JAEGER
DOC. No. 54319042
1506 PROSPECT RD.

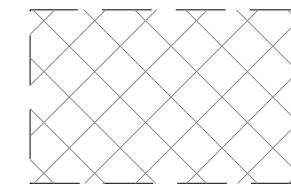
P.N. 30-01786
PARCEL 1
DOC. No. 55298478

P.N. 30-09247
PARCEL 3
DOC. No. 56298478

EXCEPTION PARCEL 2
TRACT B - 0.247 Ac.
DOC. No. 6401724

P.N. 30-03900
PARCEL 2
DOC. No. 56298478

LEGEND



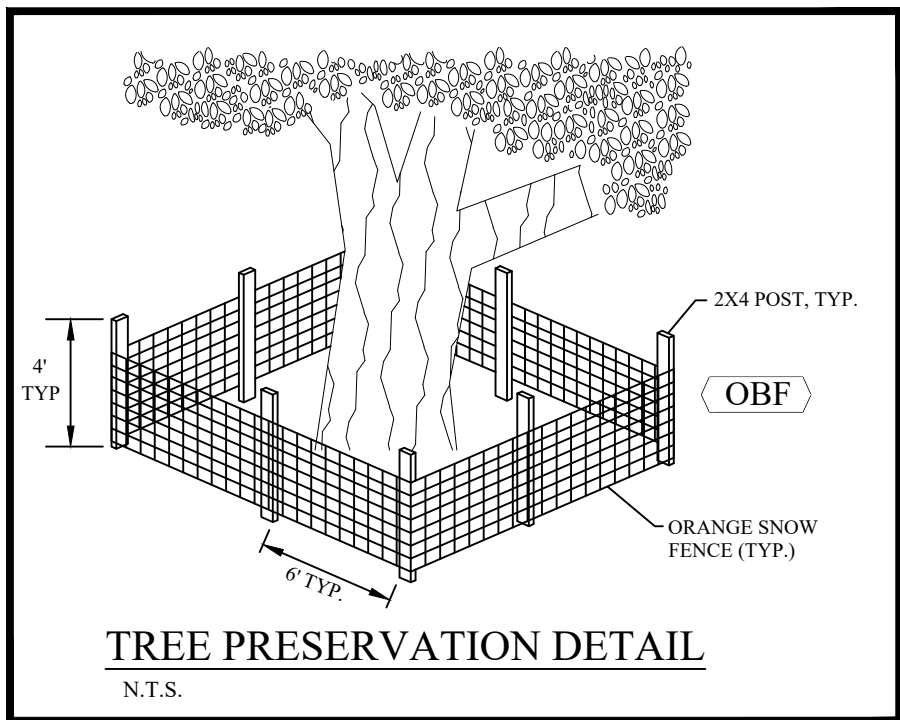
WETLANDS

ITALICS TEXT REPRESENTS EXISTING CONDITION
NON-ITALICS TEXT REPRESENTS PROPOSED CONDITION

SITE BENCH MARK

BENCH MARK #1
SANITARY M.H. RIM

ELEVATION = 1074.05



TREE PRESERVATION DETAIL

N.T.S.

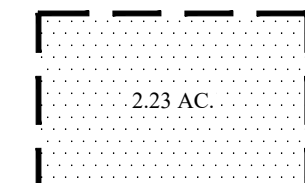
TREE DESCRIPTION LEGEND

SIZE AND SPECIES FOR TREES SHOWN ON THIS DRAWING HAVE BEEN DESIGNATED AS FOLLOWS:

- | | | | |
|--|-------------------------------|--|-----------------|
| NO. INDICATES DIAMETER OF TREE IN INCHES | SHAPE DESIGNATES TYPE OF TREE | | CONIFEROUS TREE |
| | | | DECIDUOUS TREE |

NOTE: FOR SAKE OF CLARITY, DRIP LINES OF INDIVIDUAL TREES HAVE NOT BEEN SHOWN.

LEGEND



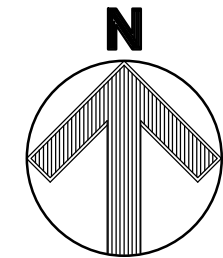
TREE TO BE REMOVED

TREE TO REMAIN

ORANGE BARRICADE FENCE

ITALICS TEXT REPRESENTS EXISTING CONDITION
NON-ITALICS TEXT REPRESENTS PROPOSED CONDITION

NOTE: ALL TREE CLEARING AND PRESERVATION WAS COMPLETED PRIOR TO MARCH 31, 2025



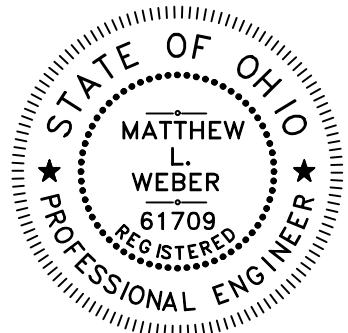
GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.



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matt@webercivil.com



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Issue Date

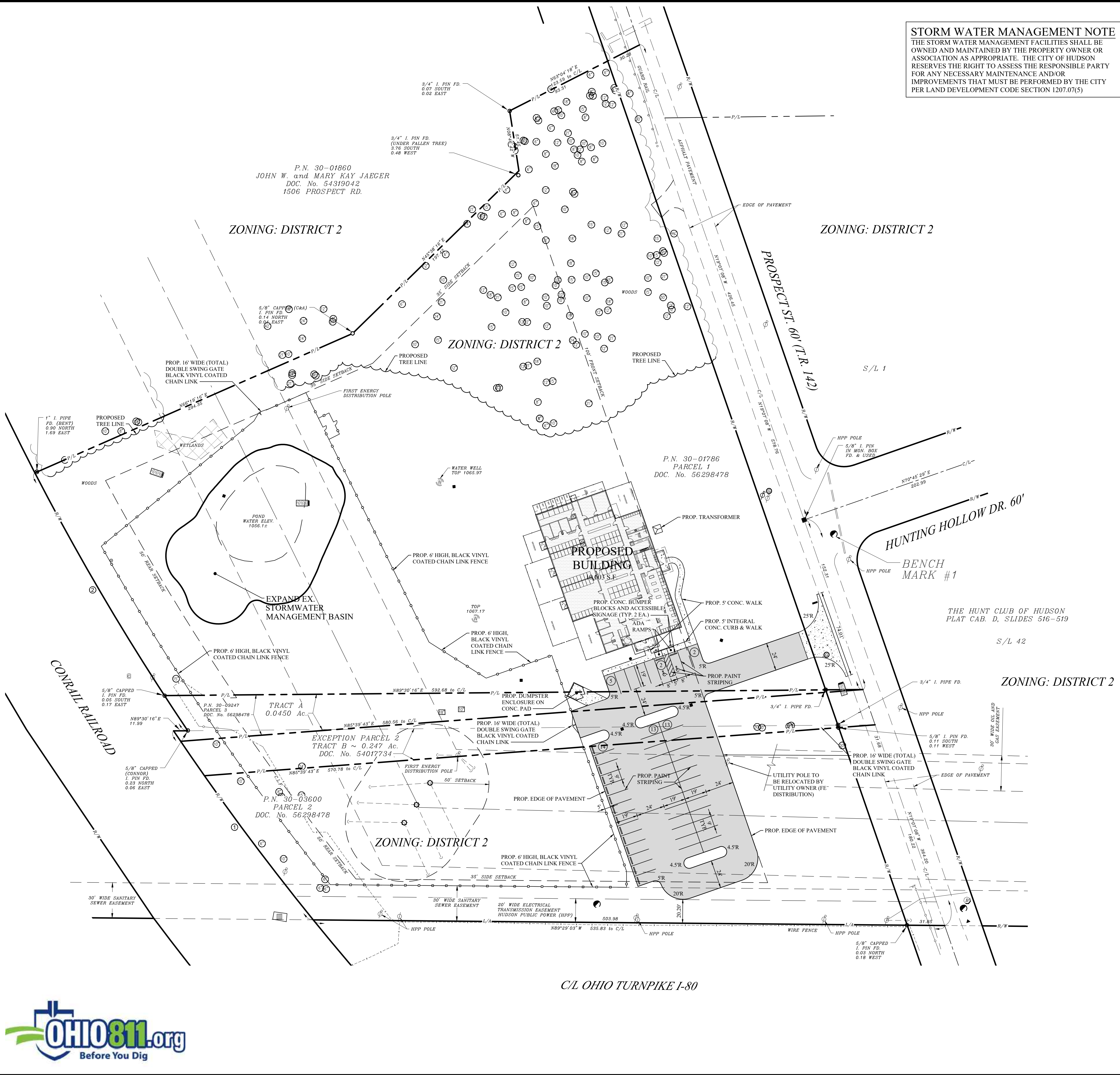
12-17-2024
12-19-2024
02-11-2025
03-17-2025
04-21-2025

HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

DEMOLITION &
TREE PRESERVATION
PLAN

C101B

Project No. 2024-183



STORM WATER MANAGEMENT NOTE
THE STORM WATER MANAGEMENT FACILITIES SHALL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER OR ASSOCIATION AS APPROPRIATE. THE CITY OF HUDSON RESERVES THE RIGHT TO ASSESS THE RESPONSIBLE PARTY FOR ANY NECESSARY MAINTENANCE AND/OR IMPROVEMENTS THAT MUST BE PERFORMED BY THE CITY PER LAND DEVELOPMENT CODE SECTION 1207.07(5)

SITE BENCH MARK
BENCH MARK #1
SANITARY M.H. RIM
ELEVATION = 1074.05

SITE DATA

USE DISTRICT = 2 - RURAL RESIDENTIAL CONSERVATION

SITE AREA = 6.96 AC.

PROP. BUILDING AREA = 8,550 S.F. (FOOTPRINT)

BUILDING SETBACKS:
FRONT YARD = 100'
SIDE YARD = 35'
REAR YARD = 50'

NUMBER OF PARKING SPACES:
(4 SPACES PER EXAMINATION ROOM)
REGULAR PARKING SPACES = 47
HANDICAP PARKING SPACES = 2
TOTAL PARKING SPACES = 49

FLOOD ZONE

FLOOD ZONE "X" PER FLOOD INSURANCE
RATE MAP NUMBER 39153C0064E
EFFECTIVE DATE JULY 20, 2009

LEGEND

REGULAR DUTY ASPHALT

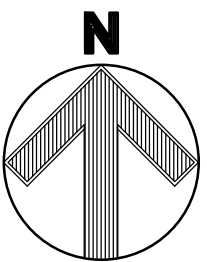
CONCRETE PAVING

WETLANDS

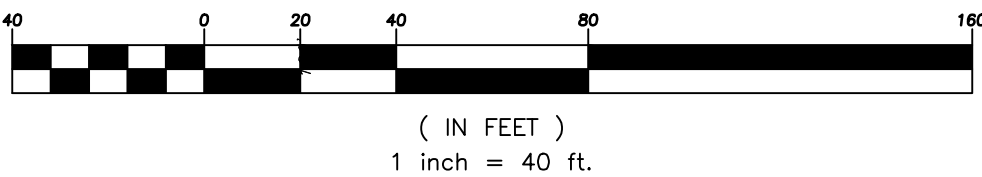
ITALICS TEXT REPRESENTS EXISTING CONDITION
NON-ITALICS TEXT REPRESENTS PROPOSED CONDITION

① R = 2182.49
Δ = 05°14'05"
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C = 199.33
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GRAPHIC SCALE



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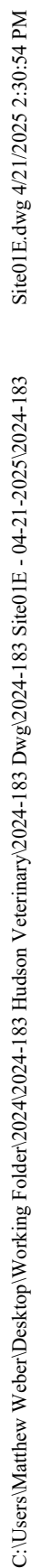
Issue Date
12-17-2024
12-19-2024
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03-17-2025
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HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

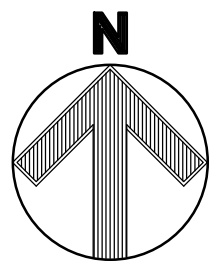
OVERALL
SITE PLAN

C102
Project No. 2024-183





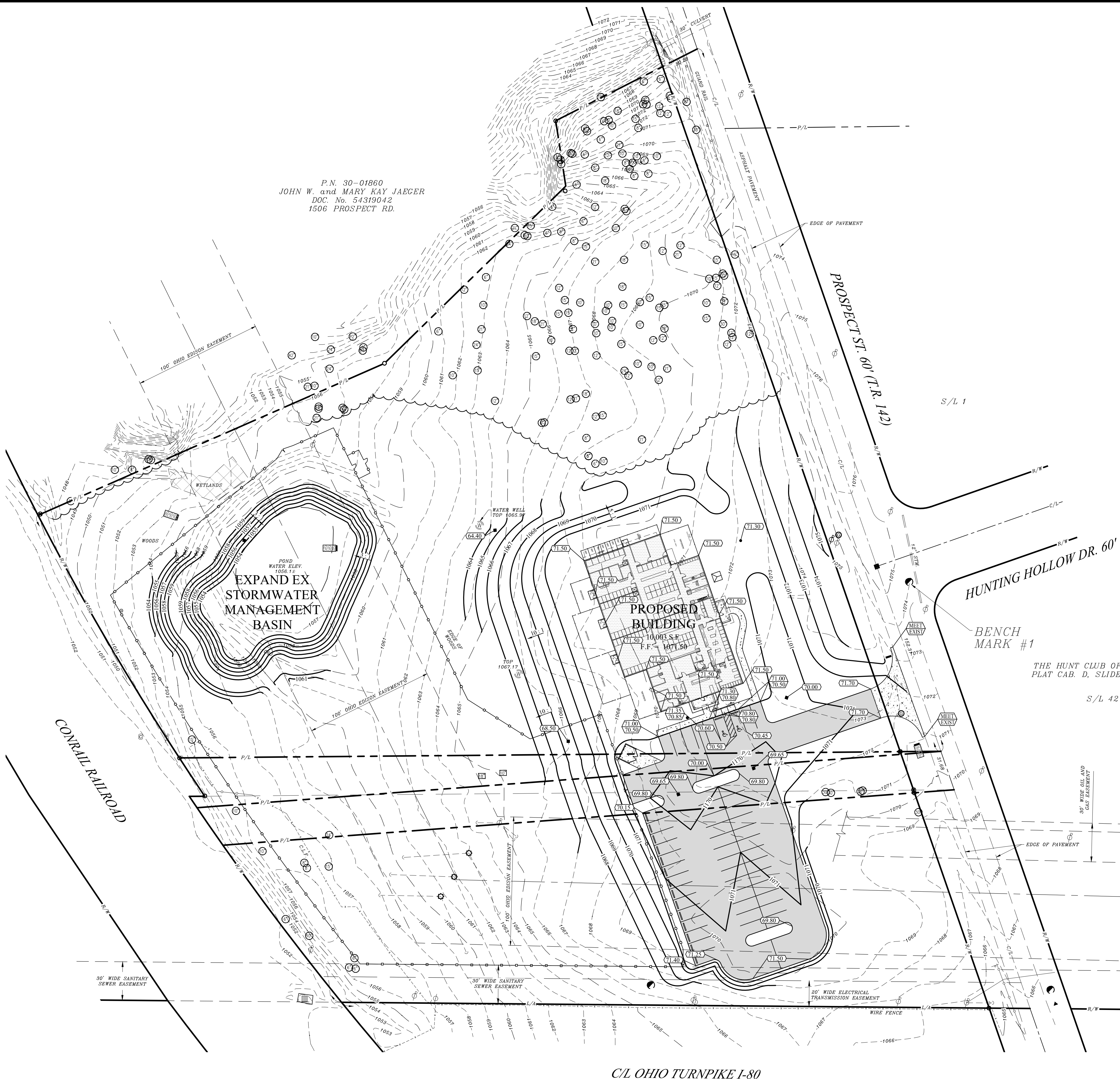
C/L OHIO TURNPIKE I-80



Category	0-19	20-39	40-59	60-79	80+
No opinion	40%	20%	40%	80%	160%
Not a problem	0%	0%	0%	0%	0%
Problem	0%	0%	0%	0%	0%
Big problem	0%	0%	0%	0%	0%
Very big problem	0%	0%	0%	0%	0%

Project No. 2024-183

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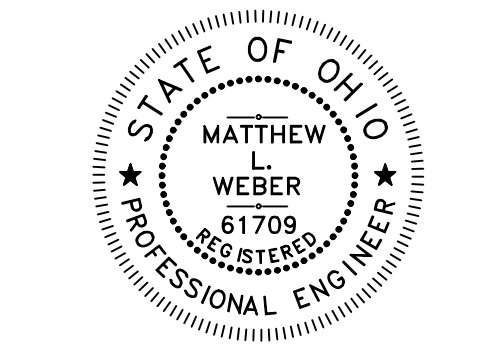


P.N. 30-01860
JOHN W. and MARY KAY JAEGER
DOC. No. 54319042
1506 PROSPECT RD.

SITE BENCH MARK
BENCH MARK #1
SANITARY M.H. RIM
ELEVATION = 1074.05



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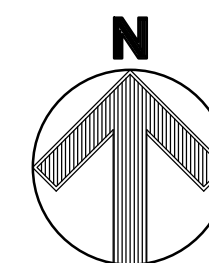
LEGEND

ITALICS TEXT REPRESENTS EXISTING CONDITION
NON-ITALICS TEXT REPRESENTS PROPOSED CONDITION

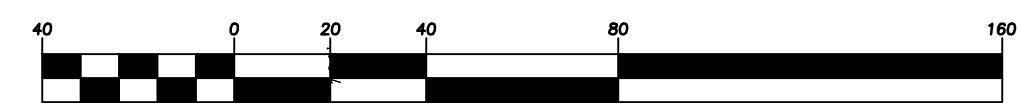
- PROPOSED SPOT GRADE
- PROPOSED GRADE AT CURB
- MEET EXISTING GRADE LABEL
- EXISTING SPOT GRADE

GRADING NOTE:

ALL GRADES SHOWN ARE FINISHED GRADES. 6" TOPSOIL RESPREAD MAX.



GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.



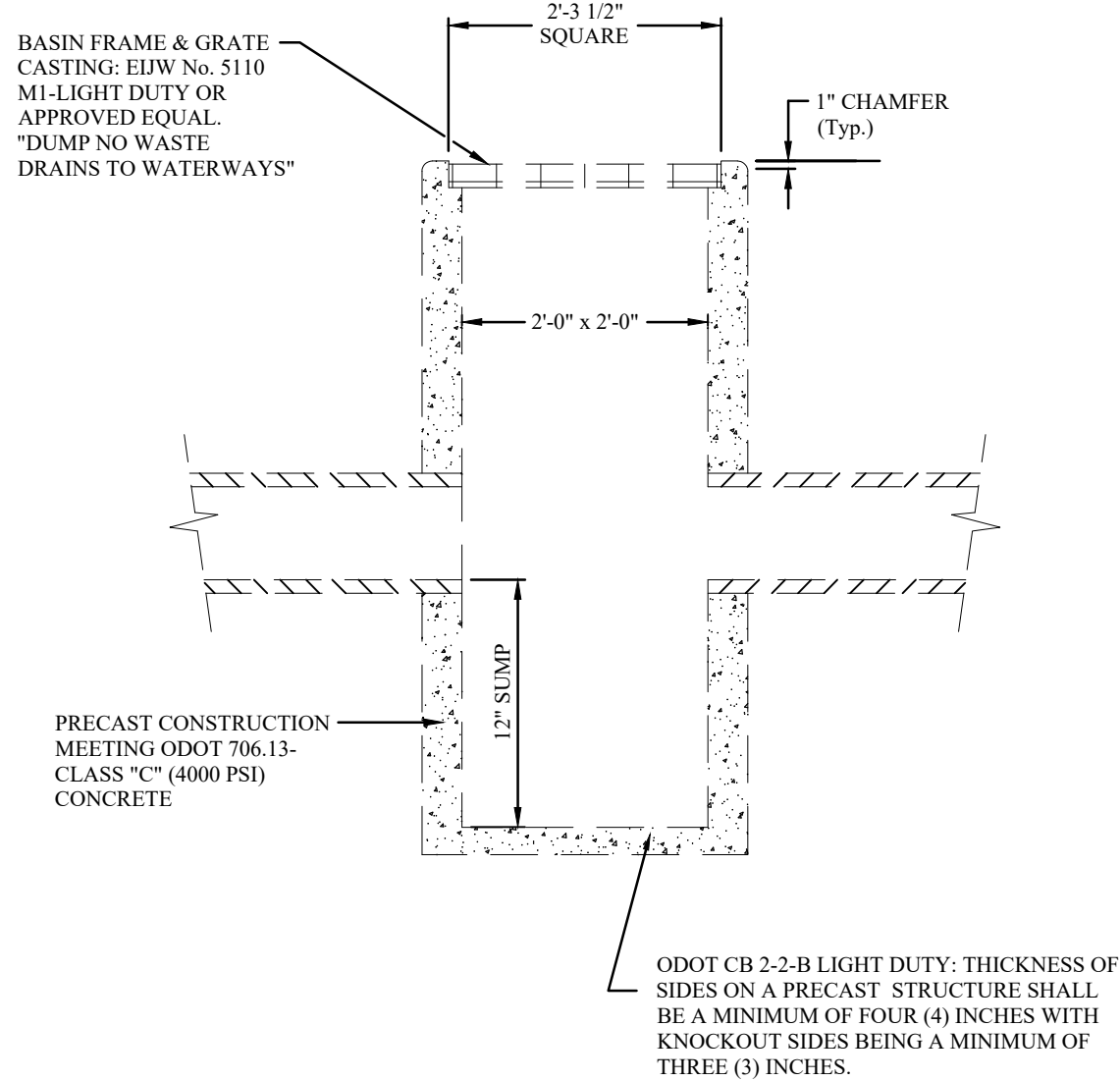
HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

OVERALL
GRADING
PLAN

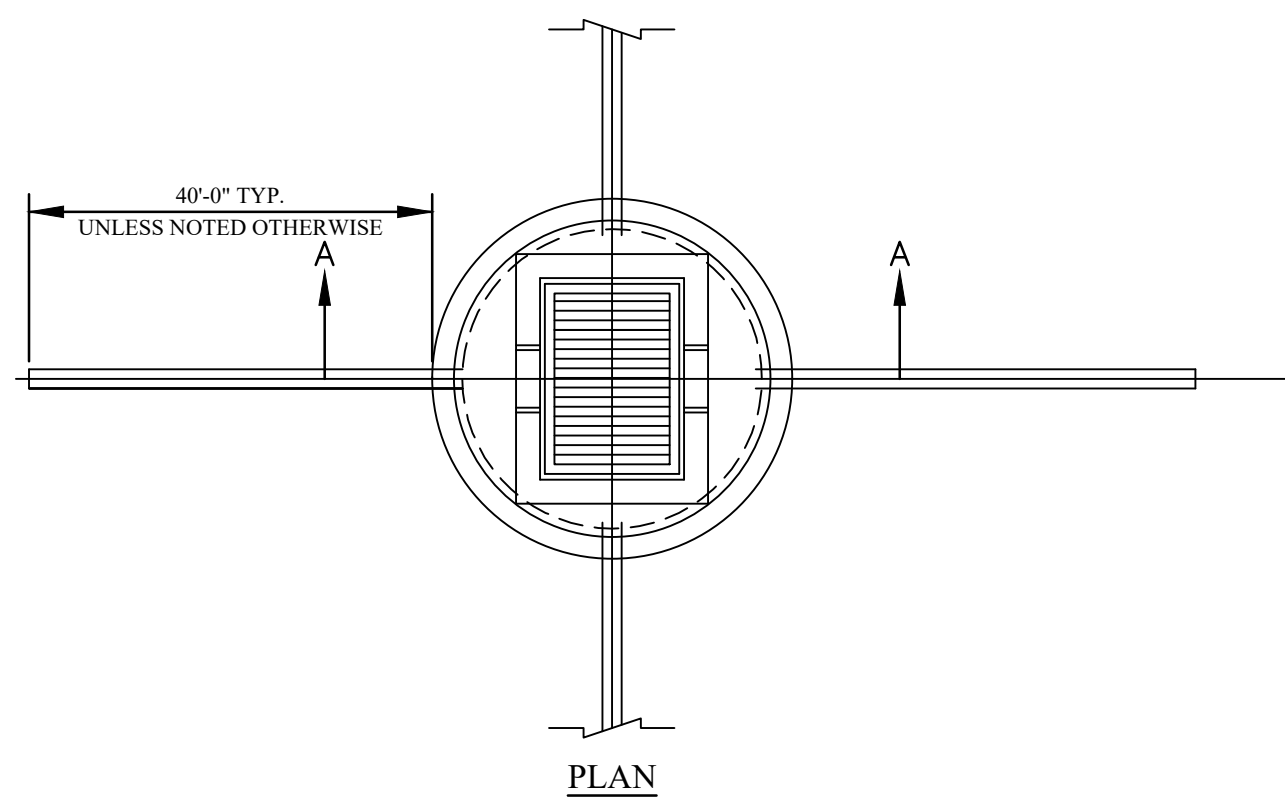
C104
Project No. 2024-183

Issue Date

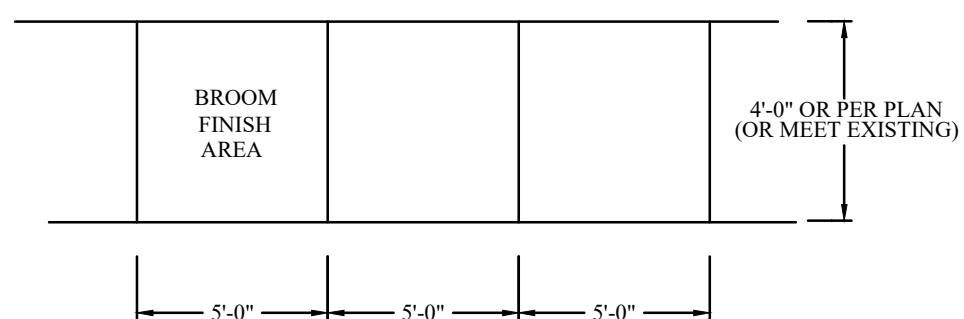
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04-21-2025



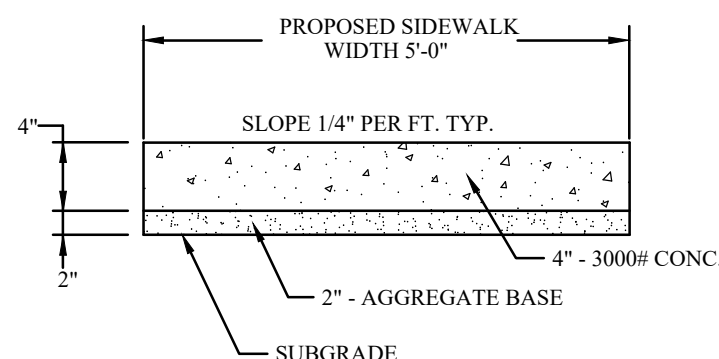
YARD INLET W/SUMP DETAIL
REFERENCE ONLY NOT TO SCALE



SECTION A-A
FINGER DRAIN DETAIL
REFERENCE ONLY NOT TO SCALE

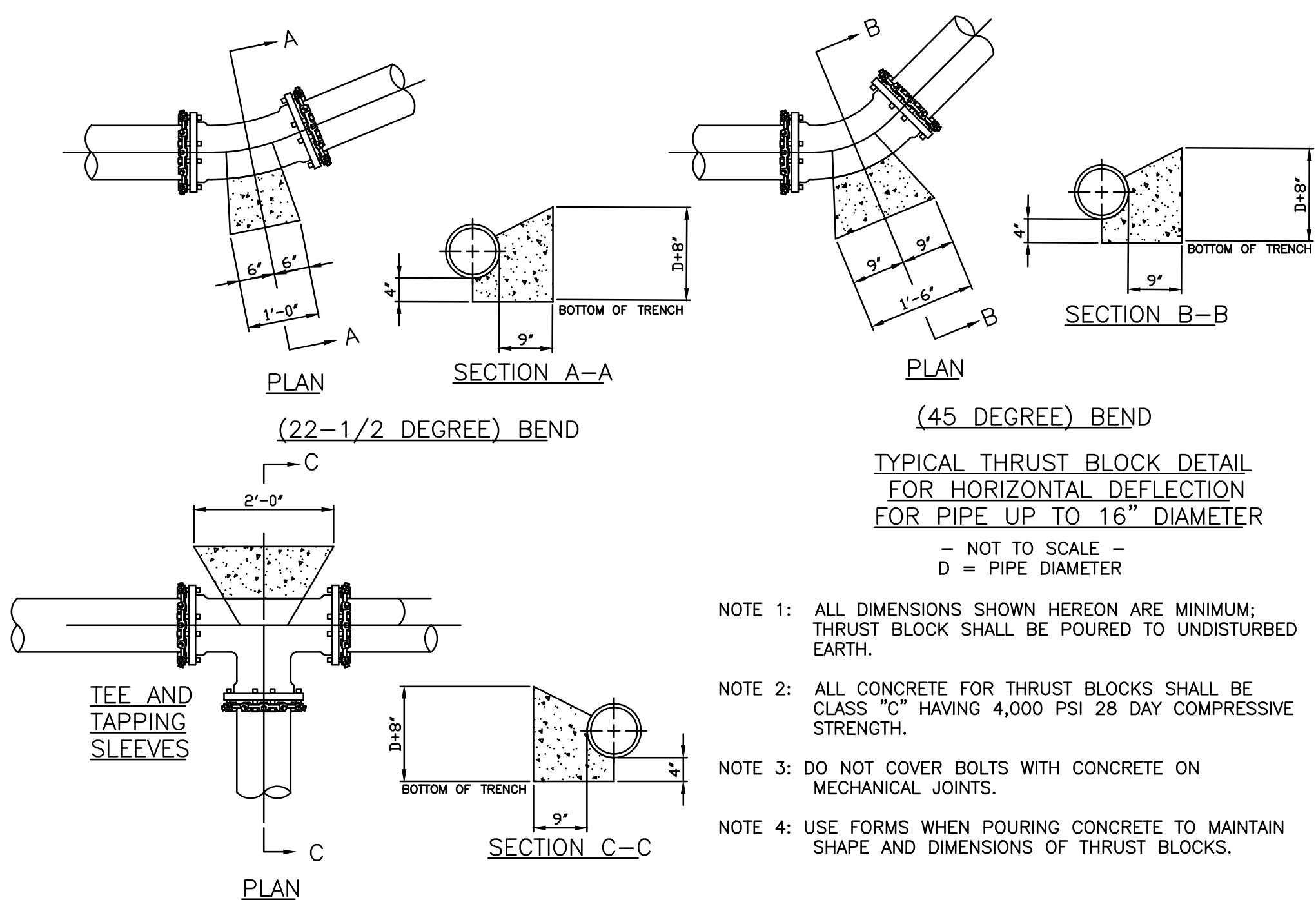


CONCRETE SIDEWALK FINISH AND JOINTS
REFERENCE ONLY NOT TO SCALE



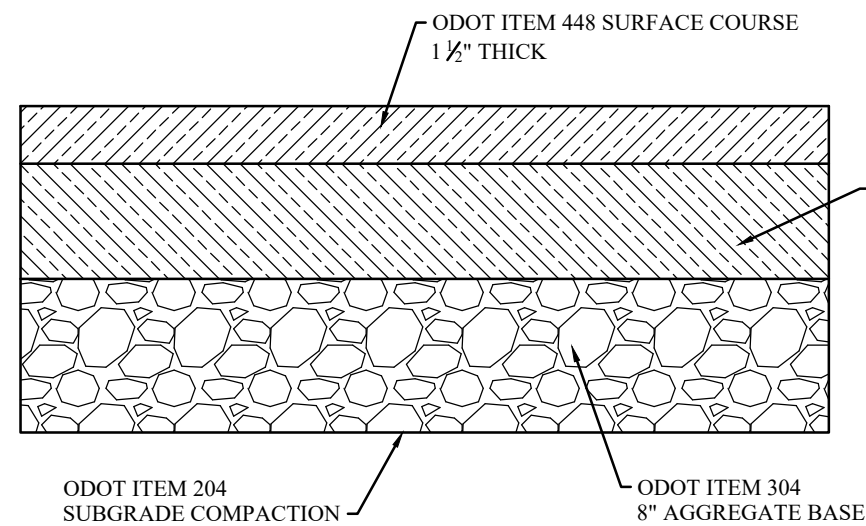
NOTE:
CRACK CONTROL SHALL BE AT FIFTEEN FOOT (15') INTERVALS AND SCORE MARKS SHALL BE AT FIVE FOOT (5') INTERVALS. CONSTRUCTION SHALL BE IN ACCORDANCE WITH O.D.O.T. ITEM 608. PRIOR TO THE START OF SIDEWALK CONSTRUCTION THE SUBGRADE MUST BE INSPECTED AND APPROVED BY THE OWNERS REPRESENTATIVE. ANY SETTLEMENT OR DEFICIENT AREAS IDENTIFIED BY THE OWNERS REPRESENTATIVE SHALL BE REPAIRED BY A METHOD ACCEPTABLE TO THE OWNER. THE REPAIRED AREAS WILL BE SUBJECT TO COMPACTION TESTING AND APPROVAL BY THE OWNER PRIOR TO THE START OF SIDEWALK CONSTRUCTION.

CONCRETE SIDEWALK
REFERENCE ONLY NOT TO SCALE

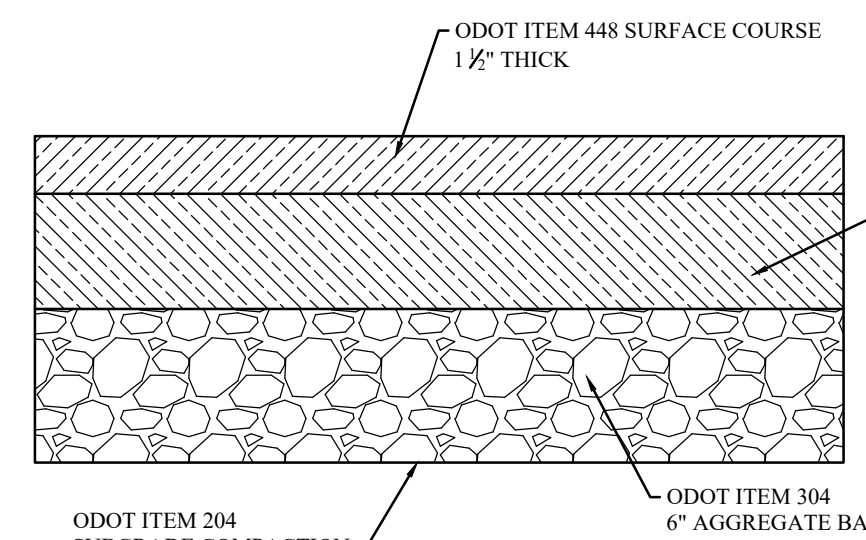


TYPICAL THRUST BLOCK DETAIL FOR HORIZONTAL
DEFLECTION FOR PIPE UP TO 16" DIAMETER
REFERENCE ONLY NOT TO SCALE

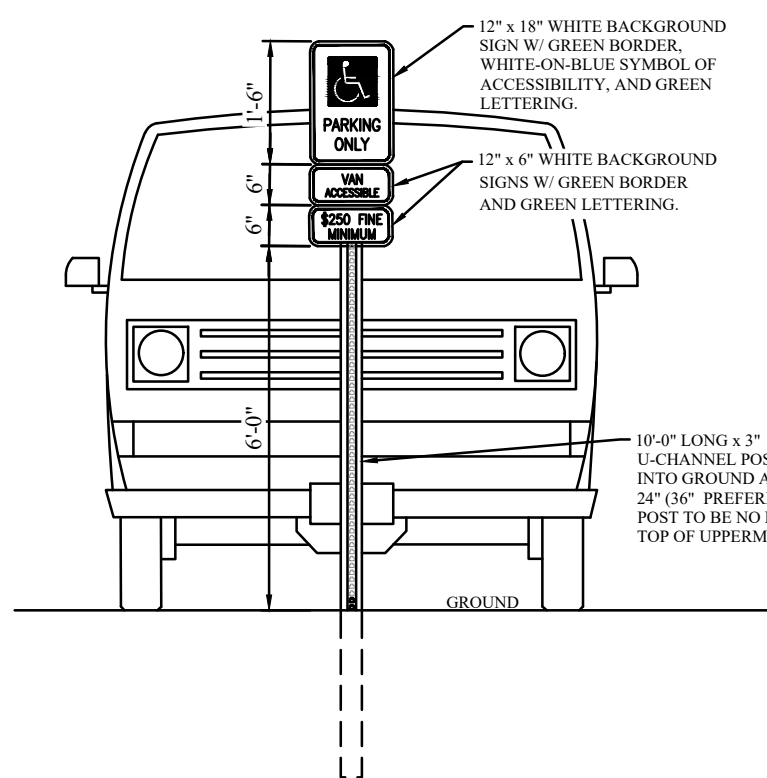
- NOTE 1: ALL DIMENSIONS SHOWN HEREON ARE MINIMUM; THRUST BLOCK SHALL BE POURED TO UNDISTURBED EARTH.
- NOTE 2: ALL CONCRETE FOR THRUST BLOCKS SHALL BE CLASS "C" HAVING 4,000 PSI 28 DAY COMPRESSIVE STRENGTH.
- NOTE 3: DO NOT COVER BOLTS WITH CONCRETE ON MECHANICAL JOINTS.
- NOTE 4: USE FORMS WHEN POURING CONCRETE TO MAINTAIN SHAPE AND DIMENSIONS OF THRUST BLOCKS.



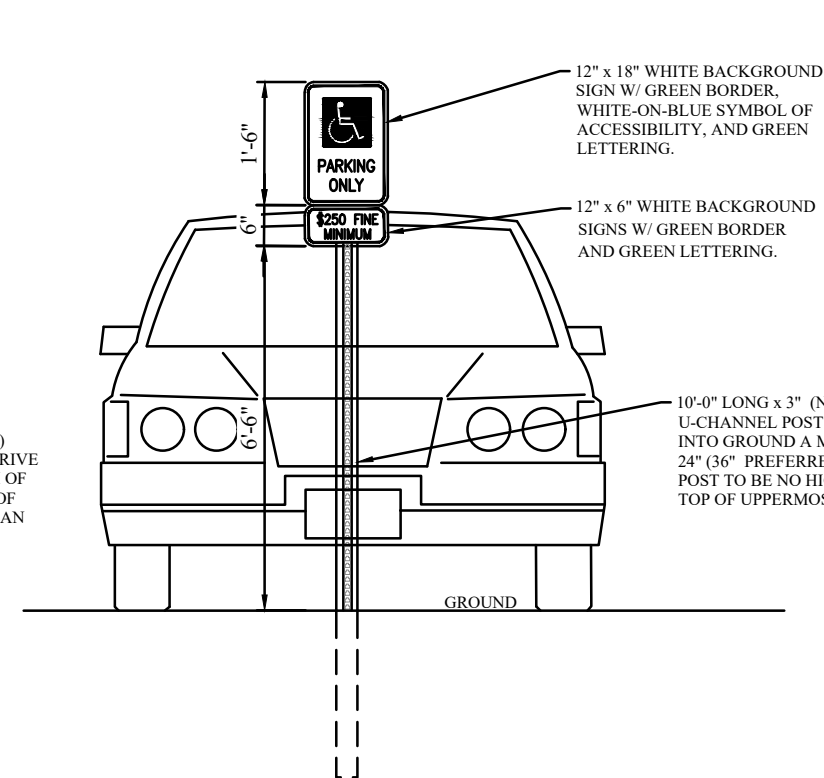
PROP. HEAVY DUTY ASPHALT PAVEMENT
REFERENCE ONLY NOT TO SCALE
(CONTRACTOR SHALL VERIFY WITH CURRENT GEOTECHNICAL REPORT PROVIDED BY OWNER)



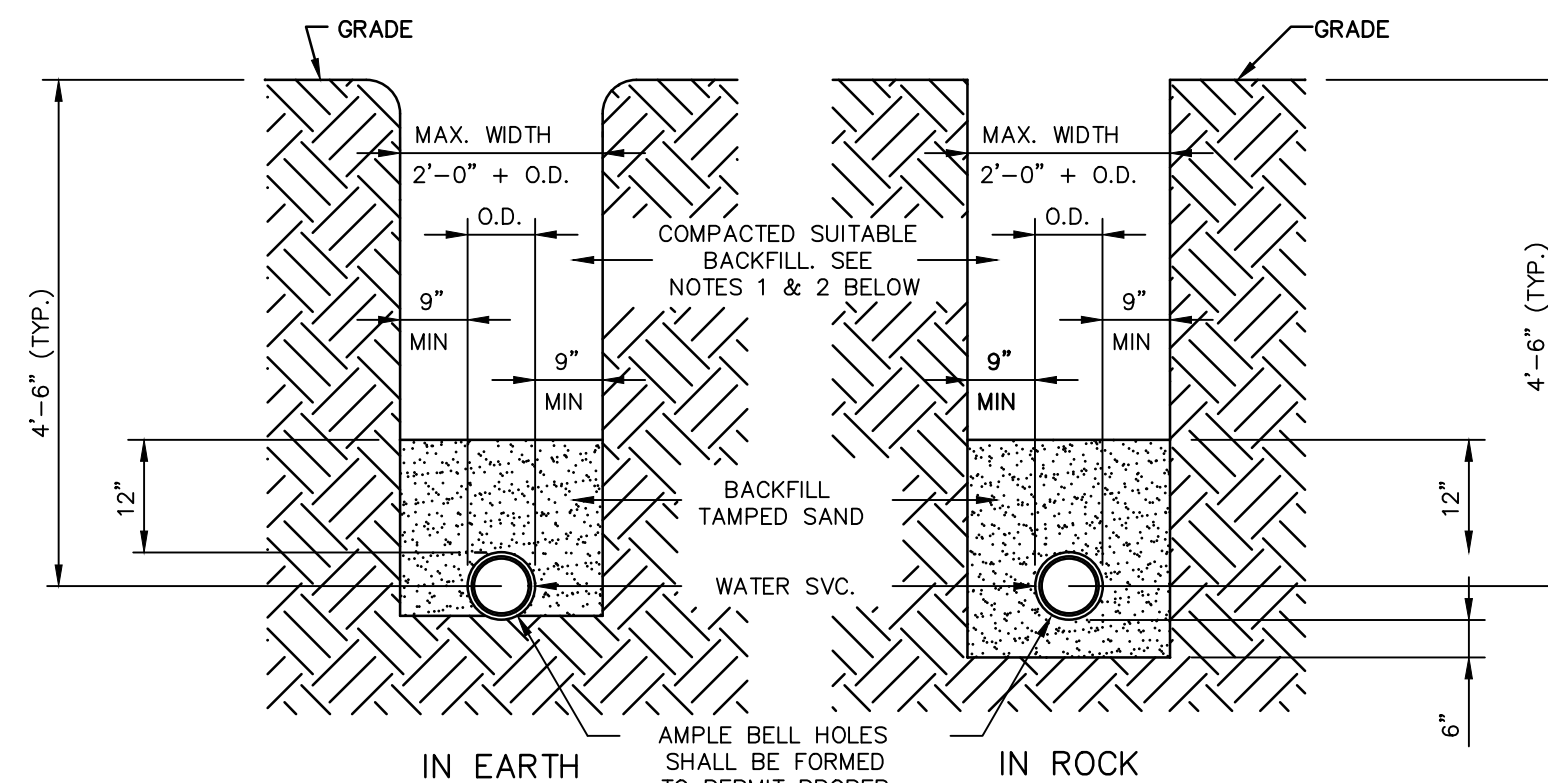
PROP. REGULAR DUTY ASPHALT PAVEMENT
REFERENCE ONLY NOT TO SCALE
(CONTRACTOR SHALL VERIFY WITH CURRENT GEOTECHNICAL REPORT PROVIDED BY OWNER)



VAN ACCESSIBLE PARKING SPACE SIGN
NOT TO SCALE

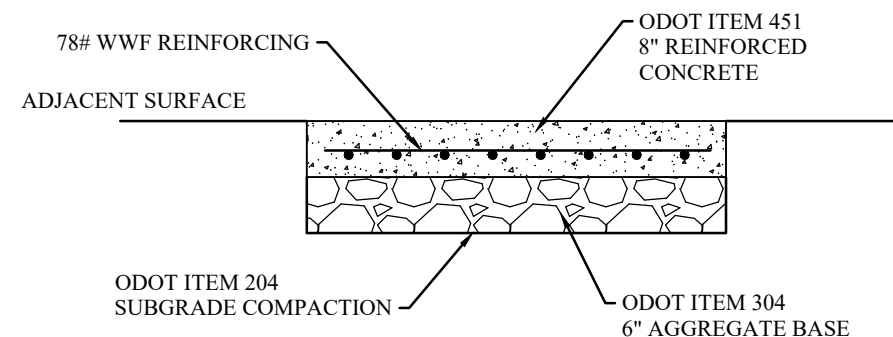


HANDICAPPED PARKING DETAIL
REFERENCE ONLY NOT TO SCALE



WATER SERVICE TRENCH DETAILS
NOT TO SCALE

- NOTES:
- 1) PREMIUM BACKFILL REQUIRED UNDER EXISTING OR FUTURE PAVEMENTS, SIDEWALKS, AND/OR DRIVES OR WHEN REQUIRED BY LOCAL MUNICIPALITY.
 - 2) PREMIUM BACKFILL SHALL BE LIMESTONE SCREENINGS GRADED PER ODOT 304.02 OR ODOT 411. NO SLAG IS PERMITTED.
 - 3) CONTRACTOR SHALL USE SPECIAL CARE IN PLACING THE SAND BEDDING BACKFILL, SO AS TO AVOID SCRAPING OF THE EXTERIOR COATING, INJURING THE PIPE, DISTORTING OR MOVING THE PIPE WHEN COMPACTING THE SAME. THE SAND BEDDING BACKFILL SHALL BE TAMPED IN SIX (6) INCH LAYERS, SIMULTANEOUSLY ON EACH SIDE OF THE PIPE, AND THOROUGHLY COMPACTED SO AS TO PROVIDE A SOLID BACKING AGAINST THE EXTERNAL SURFACE OF THE PIPE.
 - 4) MINIMUM COMPACTION FOR ALL SAND BEDDING BACKFILL, BACKFILL AND PREMIUM BACKFILL SHALL BE 95% STANDARD PROCTOR.
 - 5) PAVEMENT, SIDEWALK OR DRIVES TO BE INSTALLED IN ACCORDANCE WITH LOCAL MUNICIPALITY'S SPECIFICATIONS.



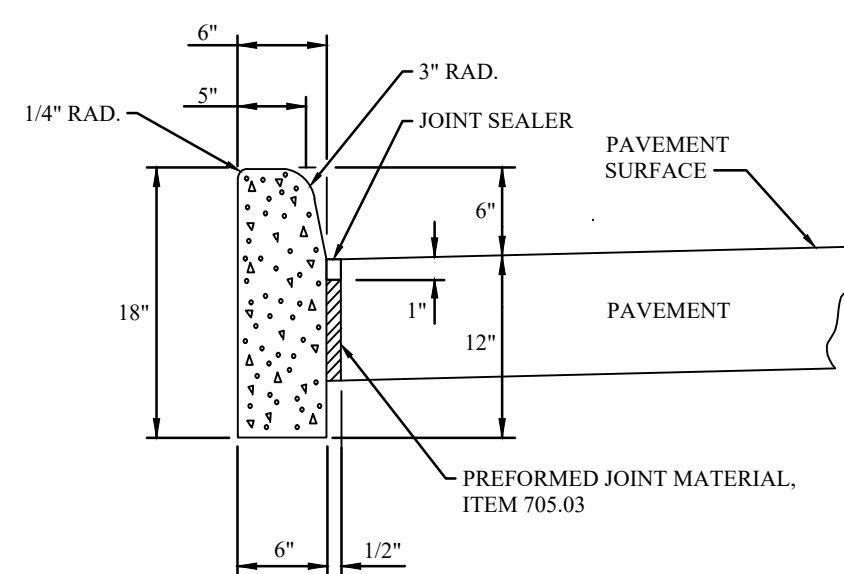
ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED 6% ± 1%.

CONTROL JOINTS/SAWCUTS

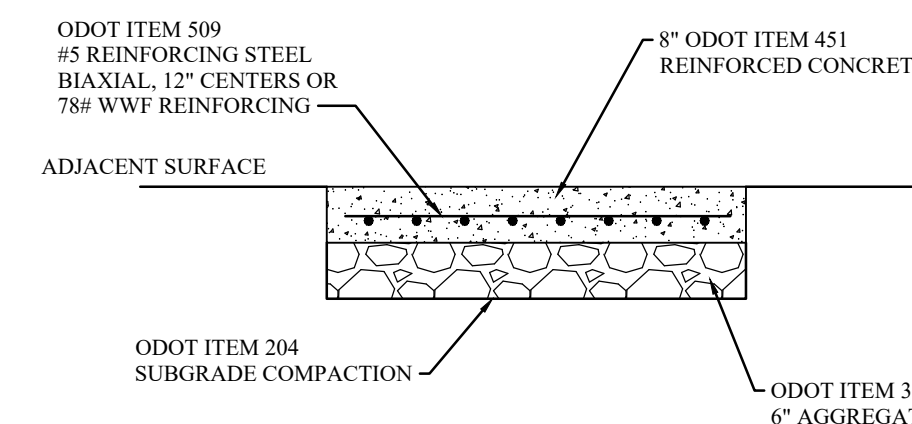
SOFF CUT SAW CUTS WITHIN 24 HOURS OF POUR TO BE T/4 (T=SLAB THICKNESS). MAX SPACING SHALL BE 12'-0" O.C. MAXIMUM EACH WAY.

CONTROL JOINTS SHALL NOT TERMINATE AT ANY INTERSECTION JOINT (EITHER CONSTRUCTION OR CONTROL) SO AS TO CREATE A "T" INTERSECTION. EXCEPTION: SAWCUTS MAY TERMINATE AT UNDOVELED CONSTRUCTION JOINTS.

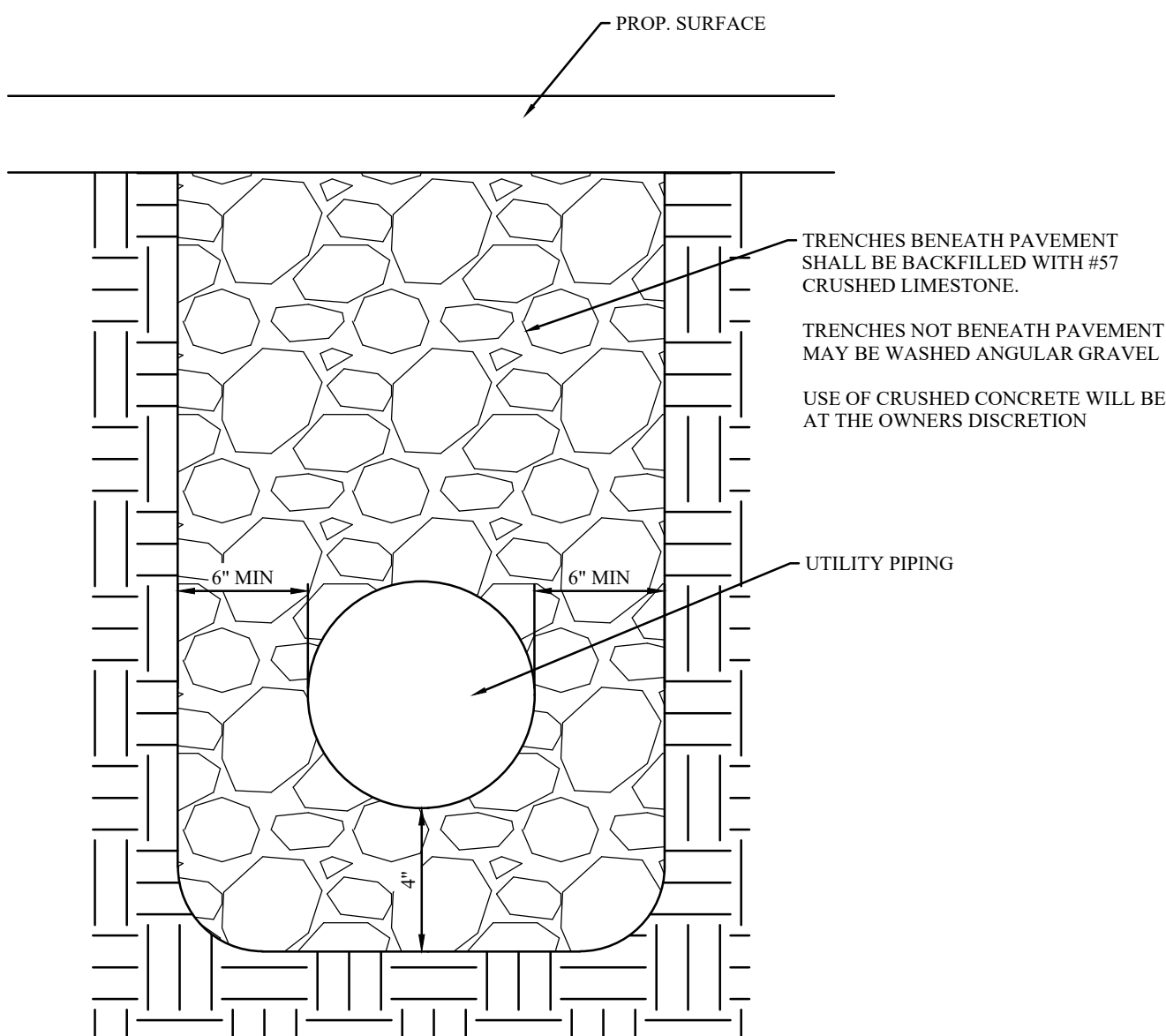
CONCRETE LOADING DOCK DETAIL
REFERENCE ONLY NOT TO SCALE



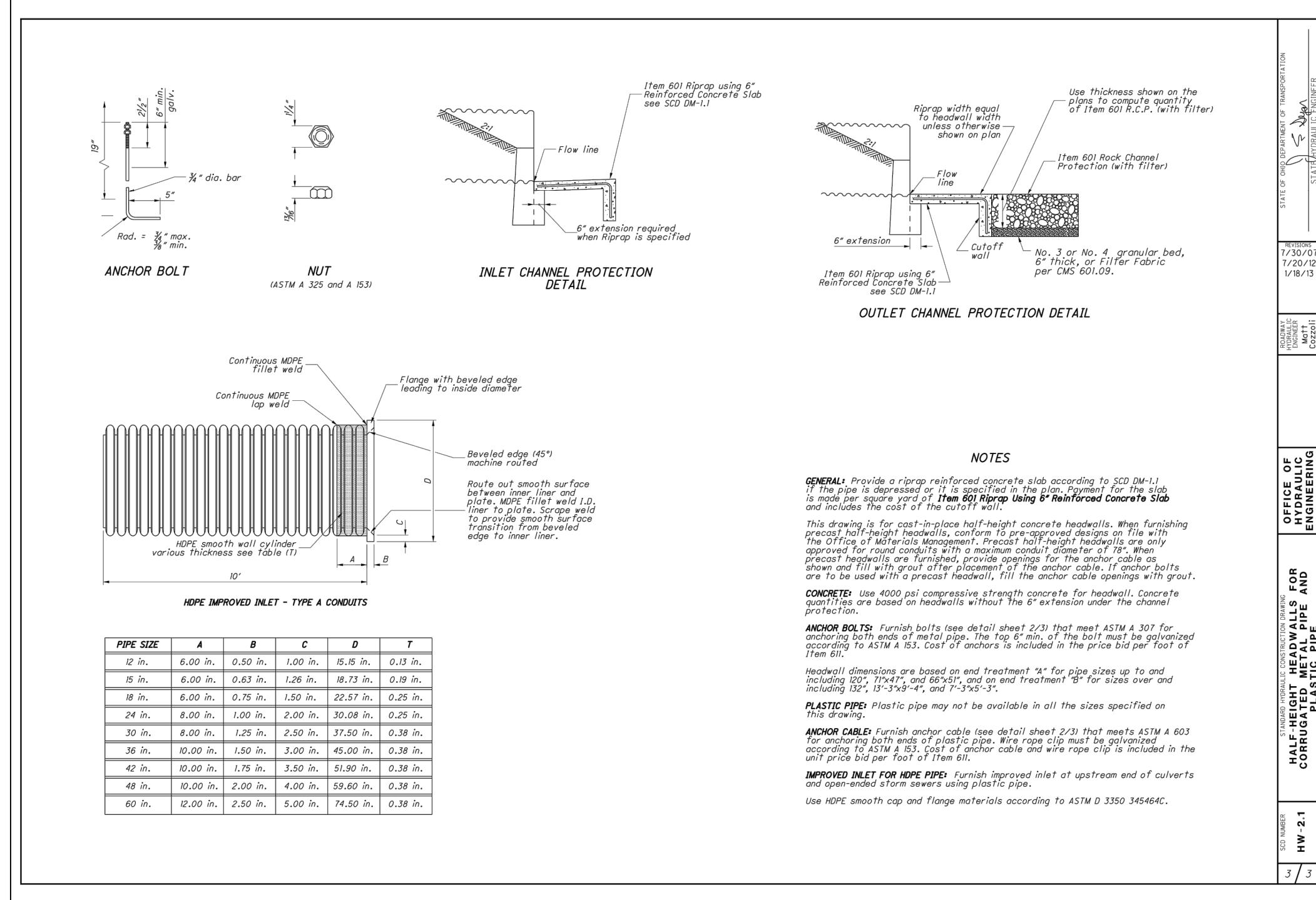
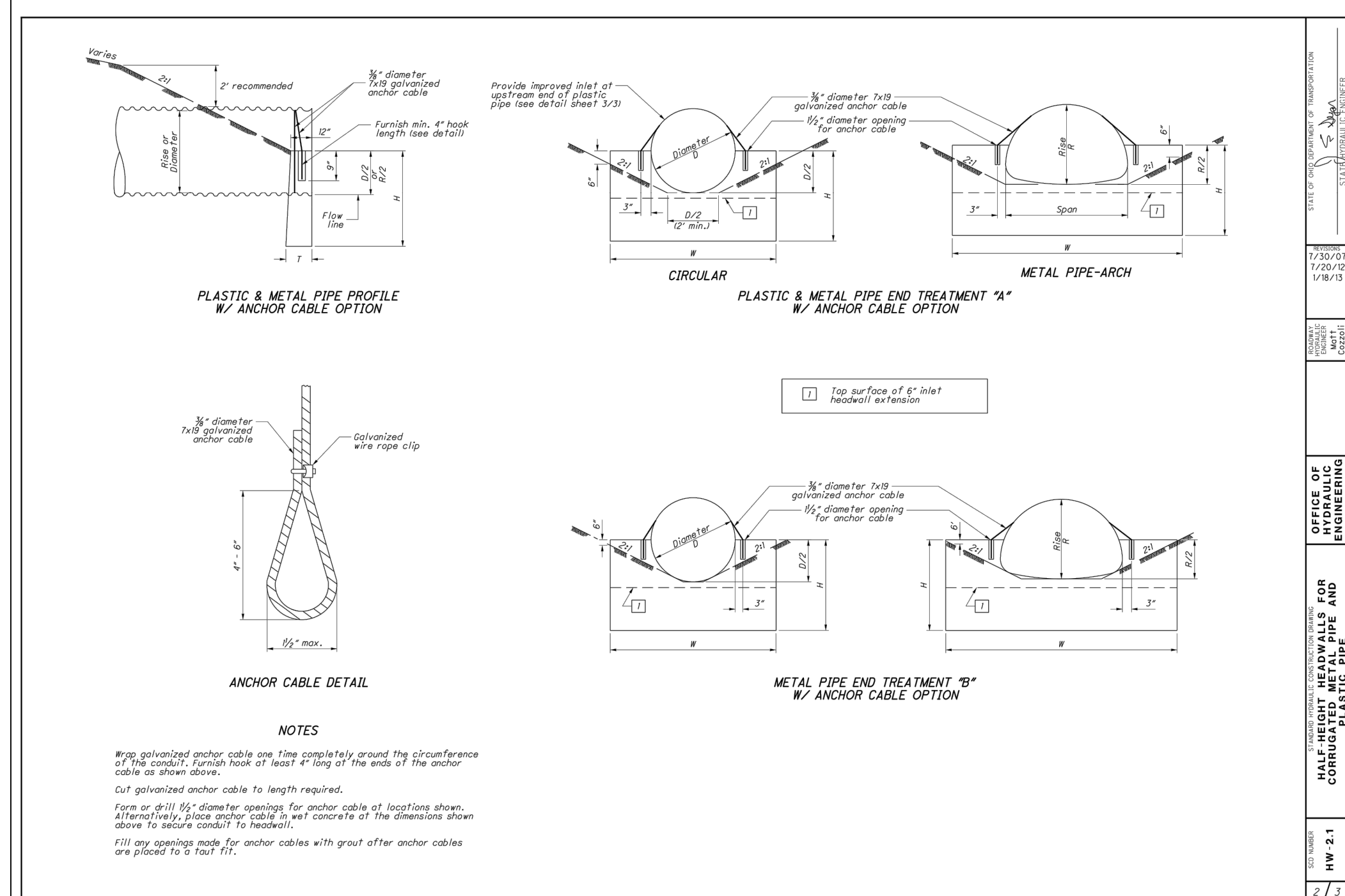
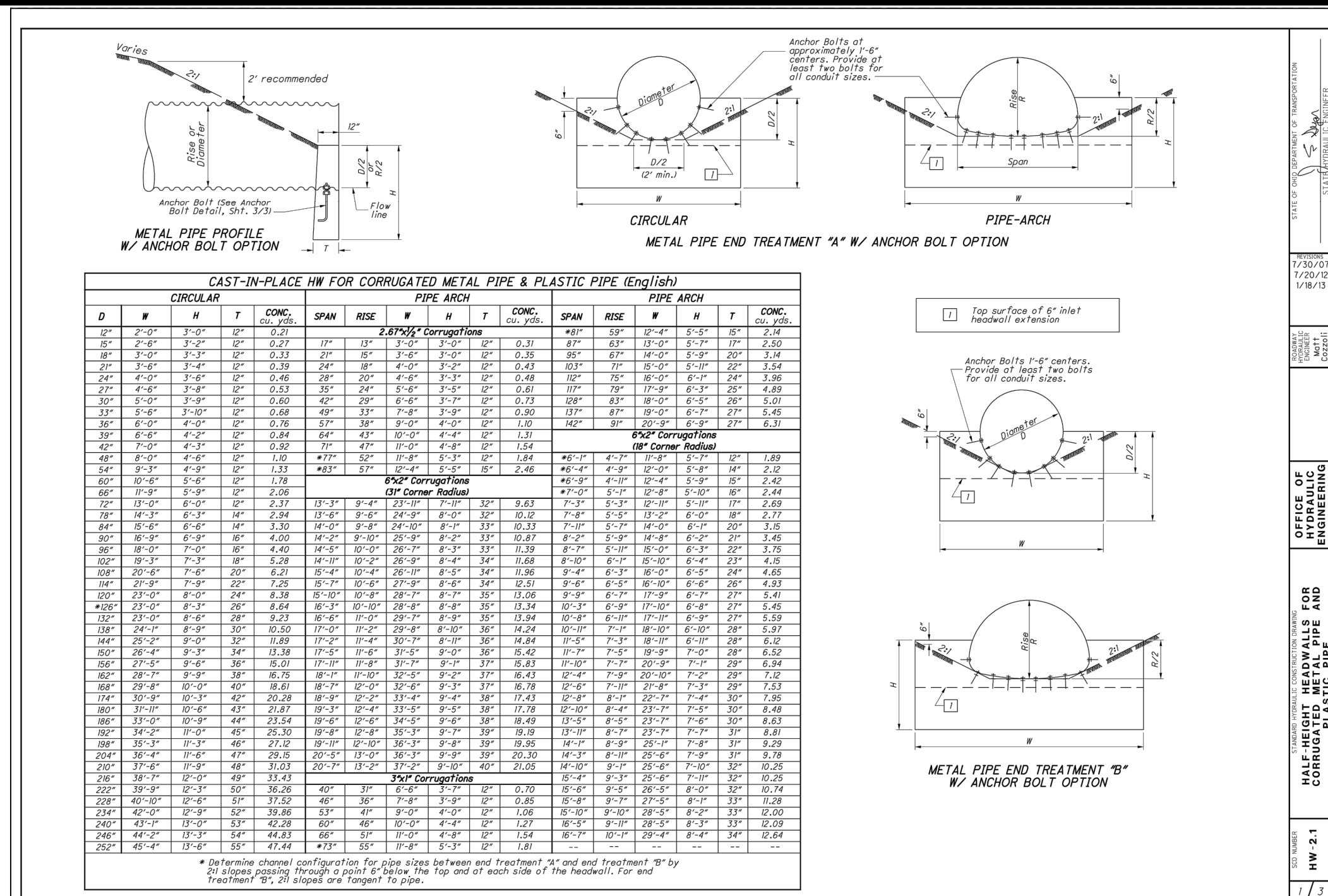
ODOT TYPE 6 CONCRETE CURB
REFERENCE ONLY NOT TO SCALE



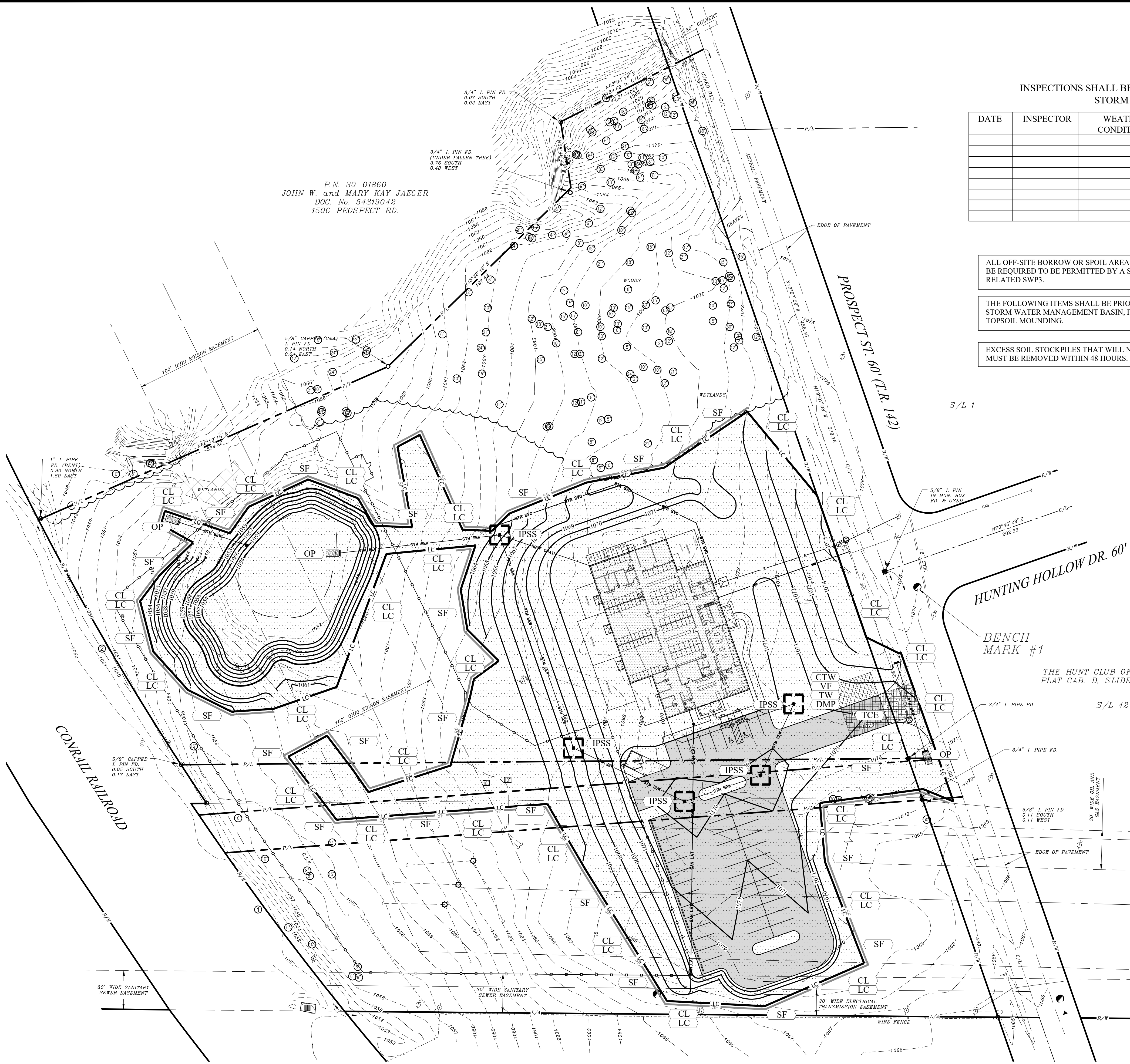
CONCRETE DRIVE APRON DETAIL
REFERENCE ONLY NOT TO SCALE



UTILITY TRENCH DETAIL
REFERENCE ONLY NOT TO SCALE



C:\Users\Matthew Weber\Desktop\Working Folder\2024\2024-183 Hudson Veterinary\2024-183 Dog\2024-183 Site\01E - 04-21-2025\2024-183
Site\01E.dwg 4/21/2025 2:31:45 PM



P.N. 30-01860
JOHN W. and MARY KAY JAEGER
DOC. No. 54319042
1506 PROSPECT RD.

INSPECTION CHECKLIST

INSPECTIONS SHALL BE MADE ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVEN GREATER THAN ONE-HALF INCH OF RAIN PER 24 HOUR PERIOD

DATE	INSPECTOR	WEATHER CONDITIONS	RAINFALL AMOUNT	SEDIMENT DISCHARGE	DISCHARGE LOCATION	BMPs FAILED	ADDITIONAL BMPs NEEDED	CORRECTION MADE

ALL OFF-SITE BORROW OR SPOIL AREAS SHALL BE REQUIRED TO BE PERMITTED BY A SEPARATE NOI AND RELATED SWP3.

THE FOLLOWING ITEMS SHALL BE PRIORITIZED FOR SEEDING: STORM WATER MANAGEMENT BASIN, FILL BACKSLOPES & TOPSOIL MOUNDING.

EXCESS SOIL STOCKPILES THAT WILL NOT BE USED ON SITE MUST BE REMOVED WITHIN 48 HOURS.

SITE BENCH MARK
BENCH MARK #1
SANITARY M.H. RIM
ELEVATION = 1074.05

FLOOD ZONE

FLOOD ZONE "X" PER FLOOD INSURANCE
RATE MAP NUMBER 39153C 0120 E
EFFECTIVE DATE JULY 20, 2009

SWP3 AMENDMENT ACTIVITIES

GRADING DATE

SITE STABILIZATION DATE

SWP3 AMENDMENT DATE

SWP3 RESPONSIBLE PARTY

COMPANY NAME
CONTACT NAME
COMPANY STREET ADDRESS
CITY, STATE ZIP CODE
CONTACT PHONE NUMBER

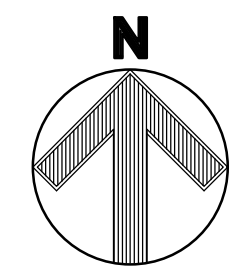
ESTIMATED CONSTRUCTION DATES

START DATE 05-23-2025
END DATE 10-23-2025

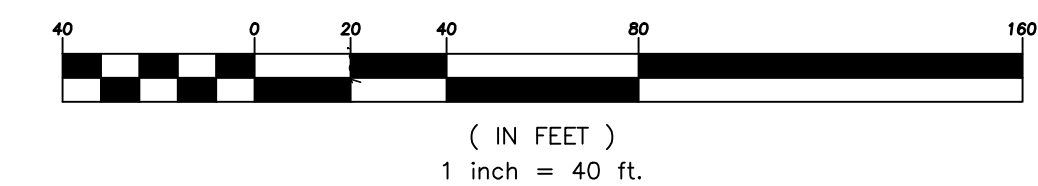
SWP3 PREPARED

04-21-2024

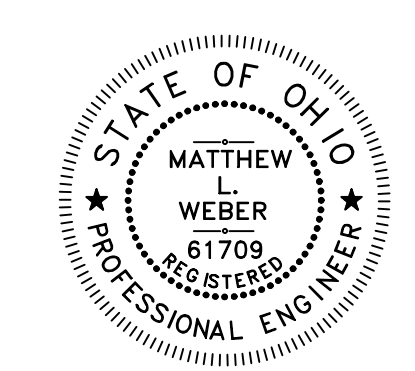
TAG	HATCH/SYMBOL	SWP3 BMP
<div>CL</div> <div>LC</div>		CLEARING LIMITS, LIMITS OF CONSTRUCTION
<div>TCE</div>		TEMPORARY CONSTRUCTION ENTRANCE
<div>CTW</div> <div>VF</div> <div>TW</div> <div>DMP</div>		CEMENT TRUCK WASHOUT, VEHICLE FUELING, TOXIC WASTE AND DUMPSTER LOCATION
<div>IP</div>		INLET PROTECTION (SEE DETAIL ON SHT. C111)
<div>IPSS</div>		INLET SILT SACK PROTECTION (SEE DETAIL ON SHT. C111)
TAG	LINE	SWP3 BMP
<div>SF</div>		SILT FENCE
<div>CFS</div>		12" COMPOST FILTER SOCK MAY BE SUBSTITUTED FOR SILT FENCE AT CONTRACTORS DISCRETION
<div>OP</div>		OUTLET PROTECTION



GRAPHIC SCALE



2555 Hartville Rd., Suite B
Rookstown, OH 44272
www.WeberEngineeringServices.com
330-329-2037
matt@webercivil.com



Reg. No.: 61709

CLIENT:

OWNER:

HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

Issue Date
12-17-2024
12-19-2024
02-11-2025
03-17-2025
04-21-2025

SWP3
PLAN

C106
Project No. 2024-183

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SWP3 Amendment Log

Project Name: Hudson Veterinary Tree Clearing & ESCP

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared By

SWP3 Grading and Stabilization Activities Log

Project Name: Hudson Veterinary Tree Clearing & ESCP

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased Indicate temporary or permanent	Data When Stabilization Measures are Initiated	Description of Stabilization Measure and Location

Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: 2024-183

Project Title: Hudson Veterinary Tree Clearing & ESCP

Operator(s): Hudson Veterinary Hospital

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWP3) for any work that you perform on-site. Any person or group who violates any condition of the SWP3 may be subject to substantial penalties or loss of contract. You are encouraged to advise each of the employees working on this project of the requirements of the SWP3. A copy of the SWP3 is available for review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWP3 for the above designated project and agree to follow the practices described in the SWP3.

This certification is hereby signed in reference to the above named project:

Company:

Address:

Telephone number:

Type of construction service to be provided:

Signature:

Title:

Date:

Corrective Action Log

Project Name: Hudson Veterinary Tree Clearing & ESCP

Inspection Date	Inspector Name	Description of Corrective Action Needed (From Inspection Report)	Corrective Action Taken	Date Action Taken

SWP3 Inspection Report Log

Project Name: Hudson Veterinary Tree Clearing & ESCP

Inspection #	Name of Inspector	Date of Inspection	Rain Event	Type of Corrective Action Required
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including Ohio EPA's Construction General Permit (CGP), at the Hudson Veterinary Tree Clearing & ESCP construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans, and all other documents required by the permit.

(name of person or position)

(company)

(address)

(city, state, zip)

(phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part V.G.2 of Ohio EPA's CGP.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name:

Company:

Title:

Signature:

Date:



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04-21-2025

SWP3
PLAN

C106A
Project No. 2024-183



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SITE BENCH MARK
BENCH MARK #1
SANITARY M.H. RIM
ELEVATION = 1074.05

PRE-DEVELOPED DRAINAGE MAP & SOILS MAP

PRE-DEVELOPED: AREA = 4.11 AC., CN = 71, TC = 47 MIN.

- EIC2 - Ellsworth silt loam, 6 to 12% slopes
- MgB - Mahoning silt loam 2 to 6% slopes
- Ua - Udorthents
- Uf - Udorthents, sanitary landfill



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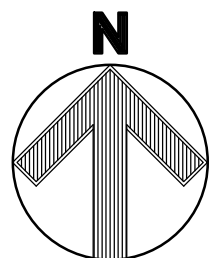
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HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

SWP3
DETAILS

C107

Project No. 2024-183

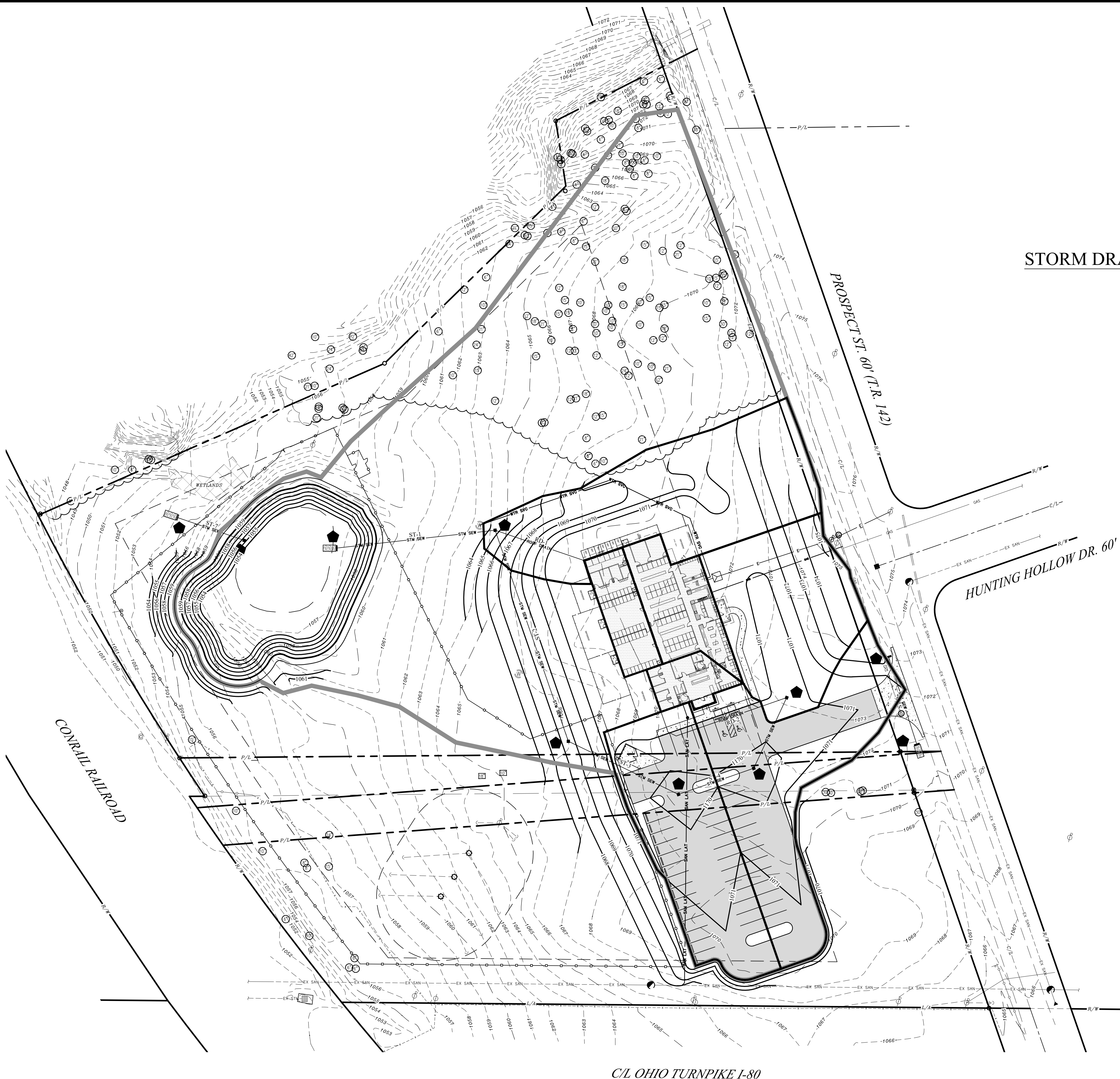


GRAPHIC SCALE



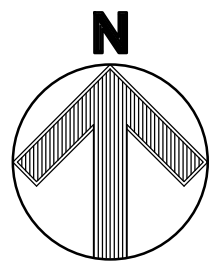
(IN FEET)
1 inch = 40 ft.

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STORM DRAINAGE MAP & POST DEVELOPED DRAINAGE

POST-DEVELOPED: AREA = 4.11 AC., CN = 87, TC = 10 MIN.



GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.



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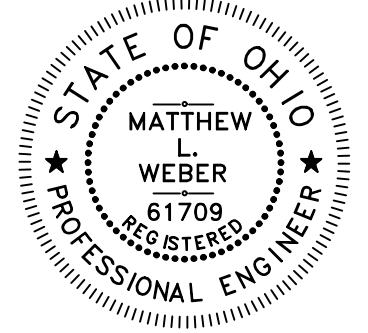
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SWP3
DETAILS

C107A
Project No. 2024-183





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OWNER

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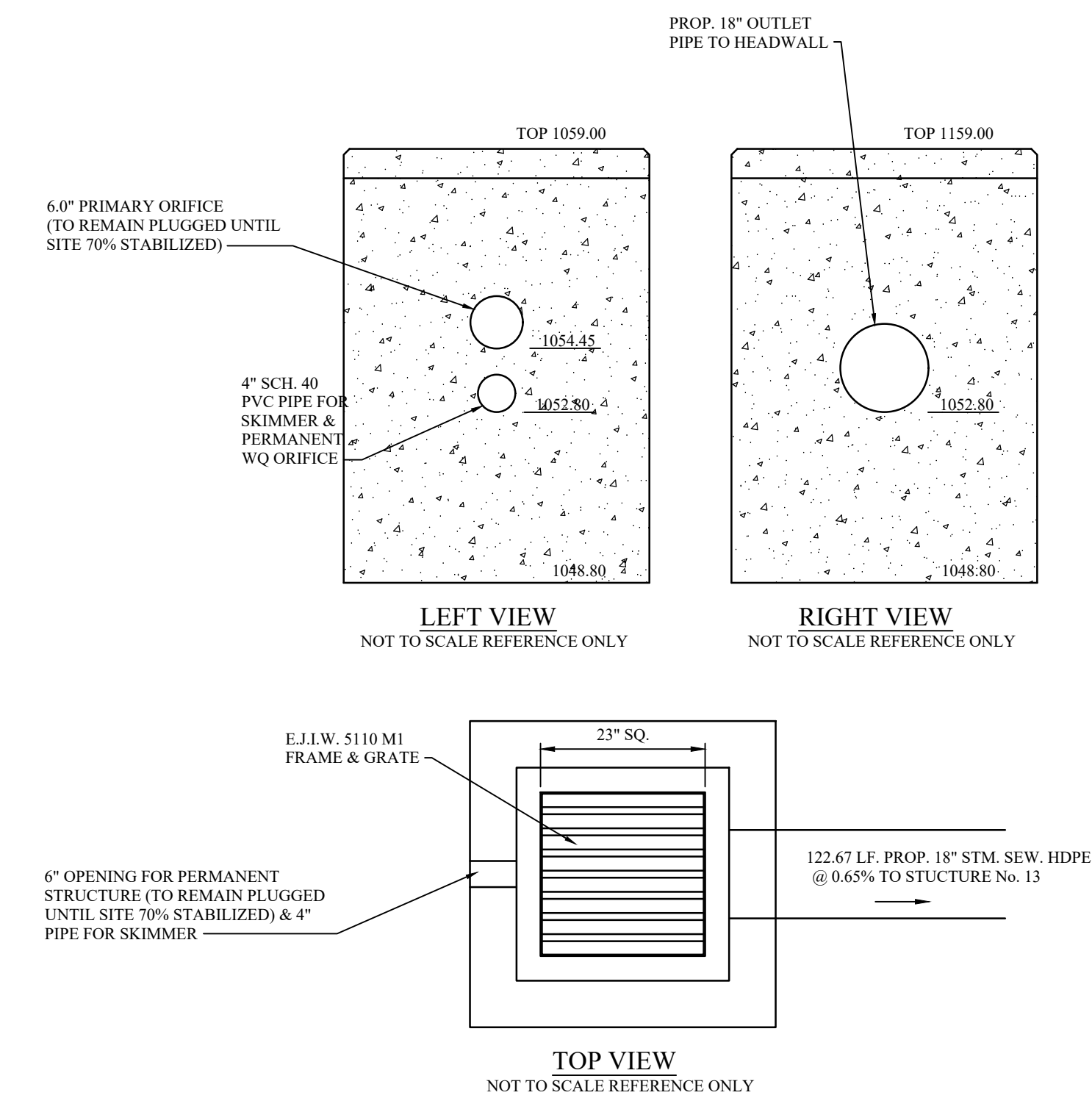
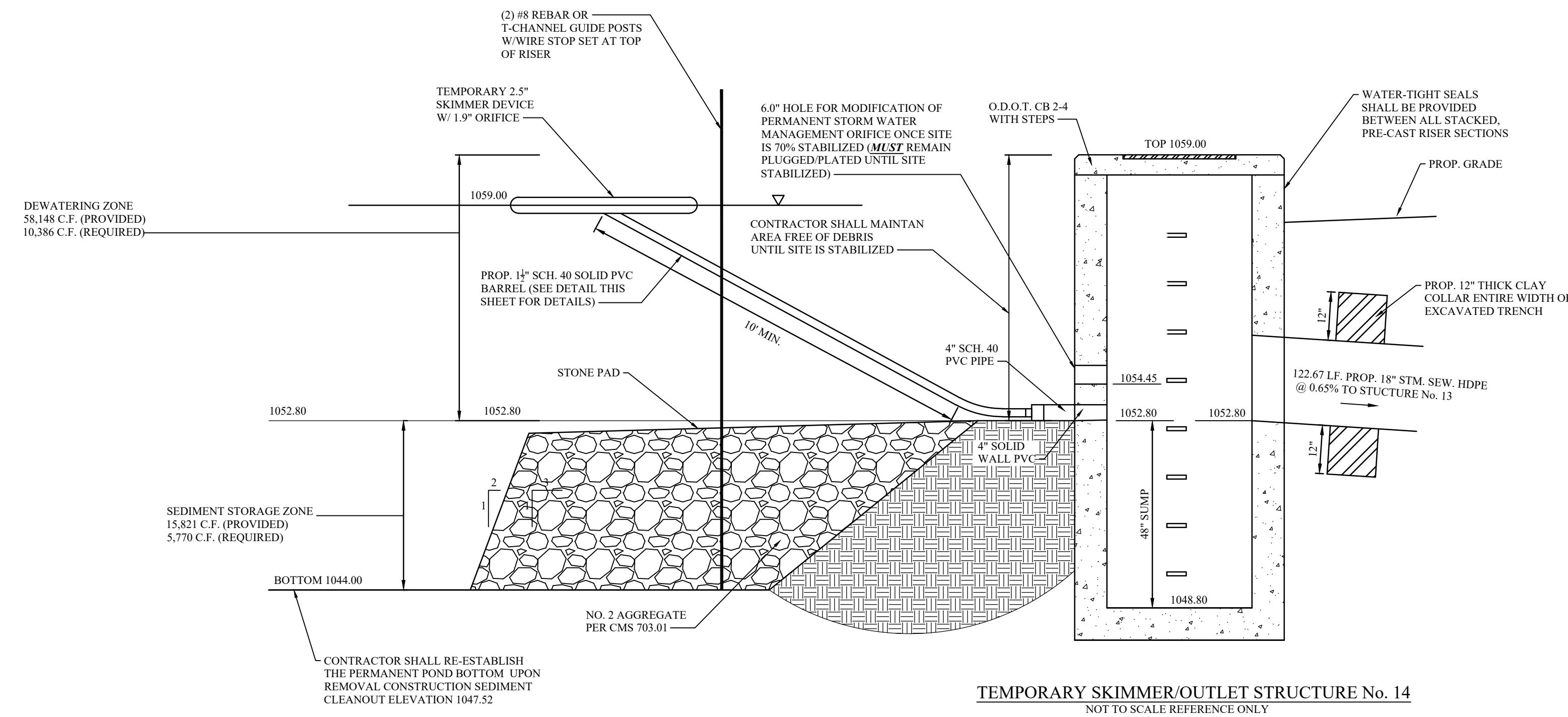
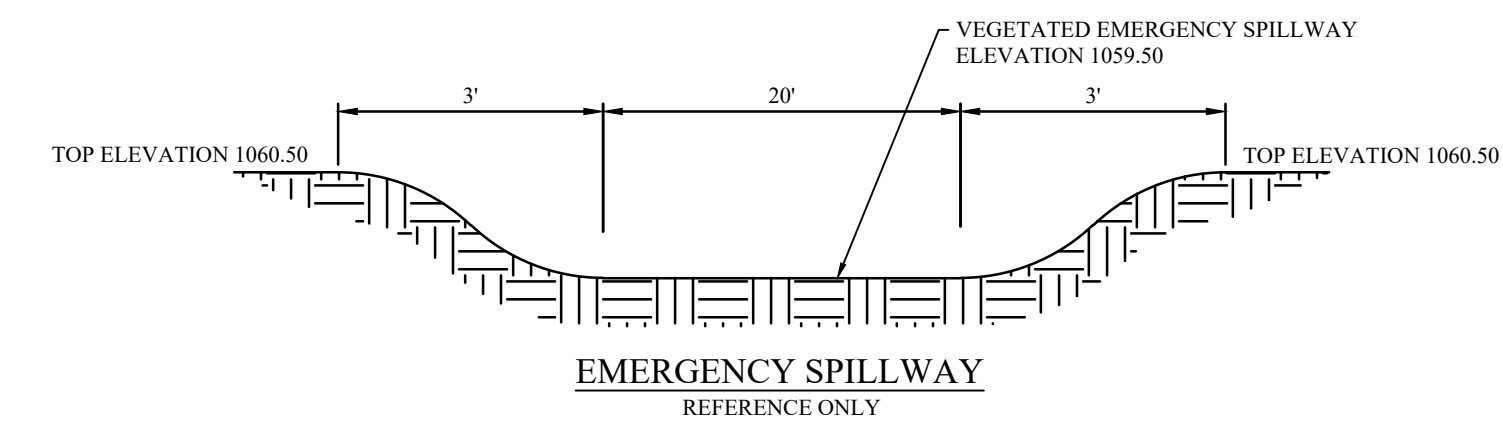
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HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

SWP3 DETAILS

C108

Project No. 2024-183





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CLIENT:

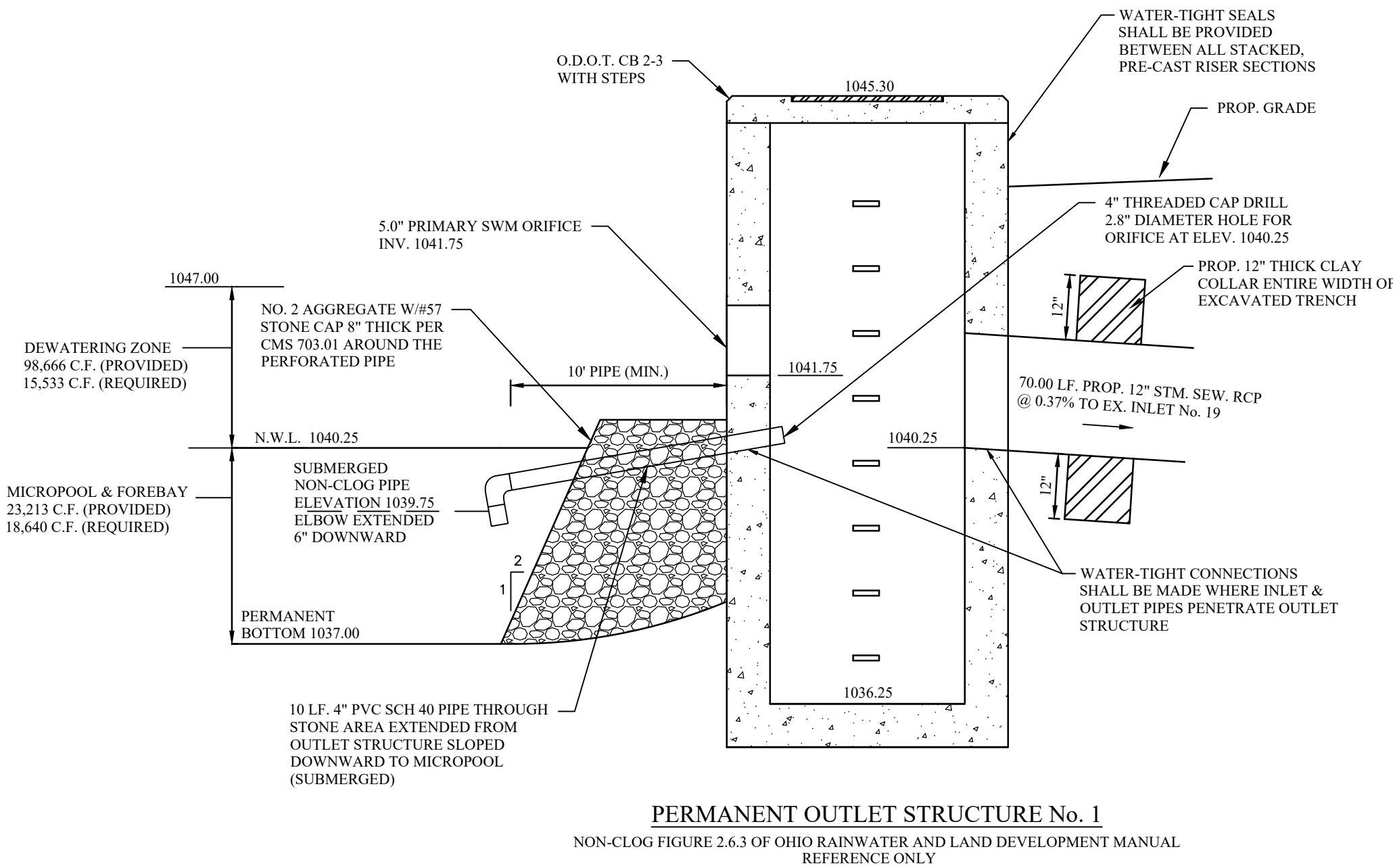
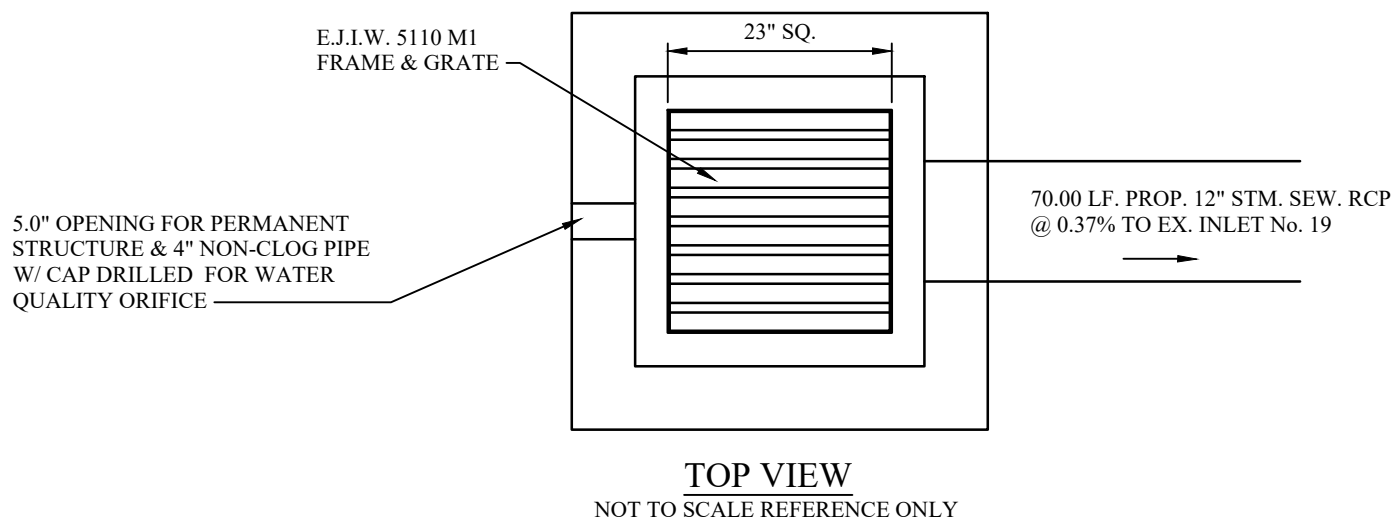
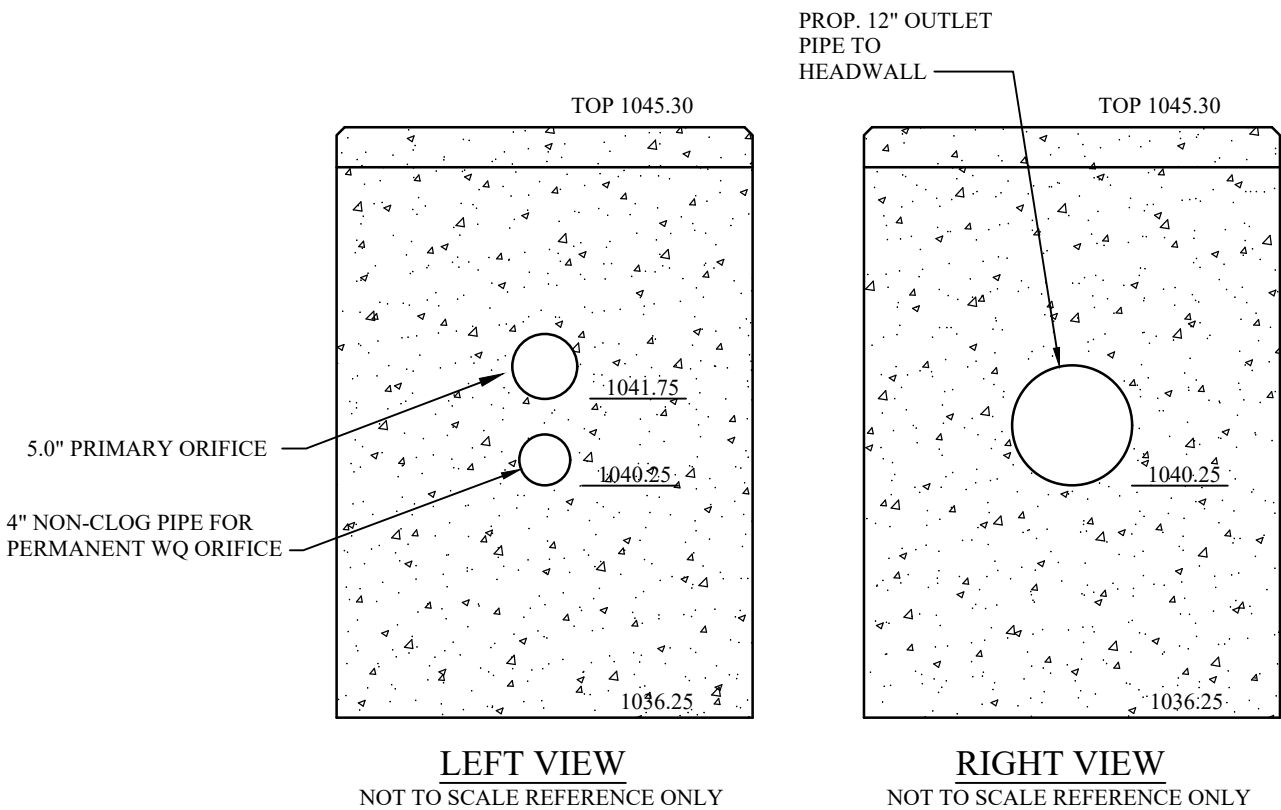
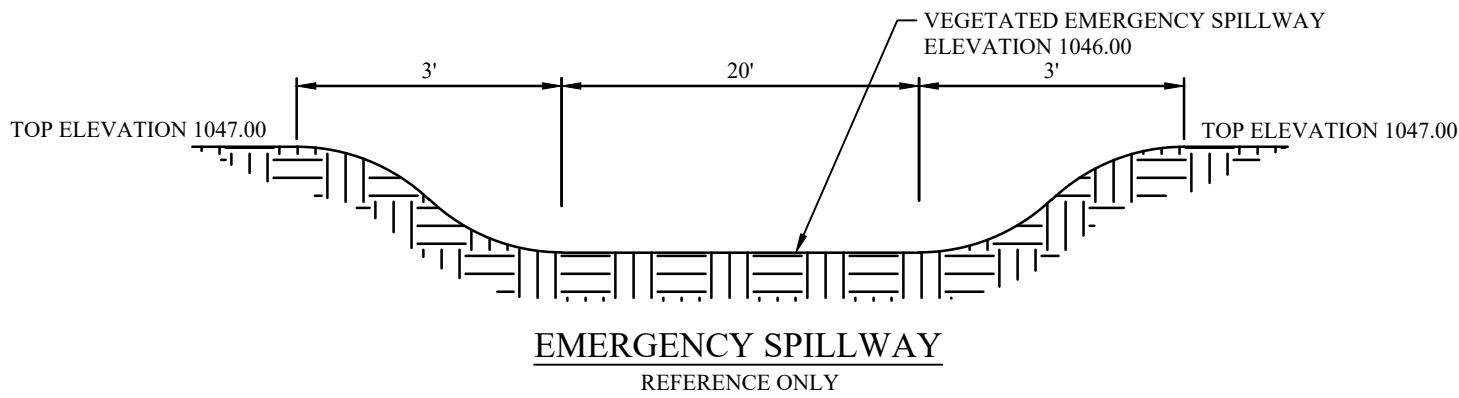
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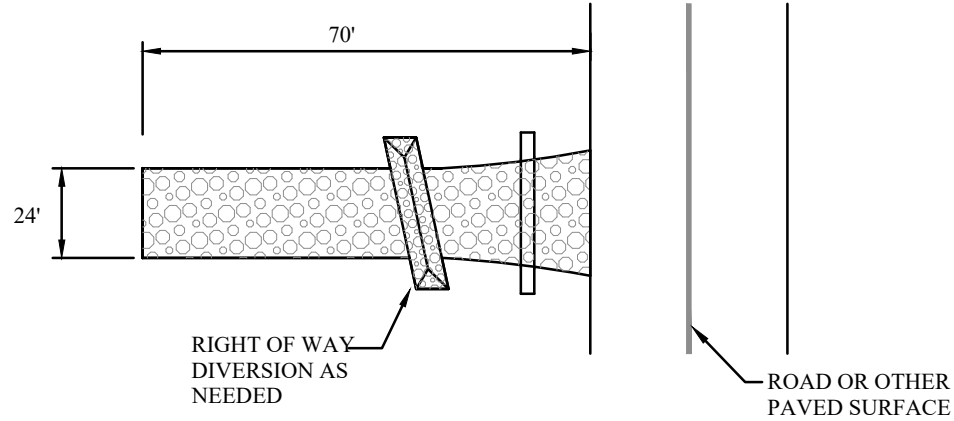
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HUDSON VETERINARY
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HUDSON, OHIO

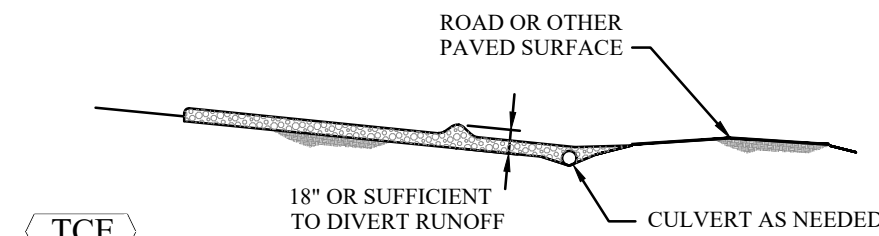
SWP3
DETAILS

C109
Project No. 2024-183





CONSTRUCTION ENTRANCE PLAN
REFERENCE ONLY NOT TO SCALE



CONSTRUCTION ENTRANCE PROFILE
REFERENCE ONLY NOT TO SCALE

- STONE SIZE - ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH- THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS.)
- THICKNESS- THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
- WIDTH- THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- GEOTEXTILE - A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS.

GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSI.
MINIMUM TEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSI.
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS<0.6MM.
PERMITTIVITY	1X10 ⁻³ CM/SEC.

6. TIMING- THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT- A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECT OUT ONTO PAVED SURFACES.
8. WATER BAR- A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE- TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS.
10. SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.

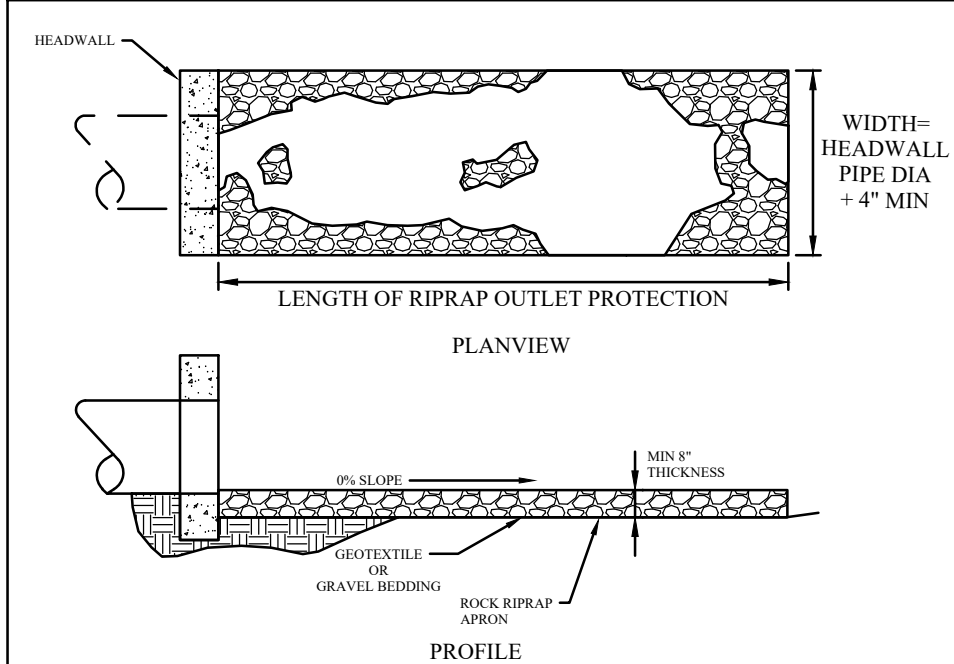
CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

REMOVAL- THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

REQUIREMENTS FOR GEOTEXTILES			
PROPERTY	TEST METHOD	WOVEN- CLASS I	NONWOVEN-I
TENSILE STRENGTH (POUNDS) 1/	ASTM C 4632 GRAB TEST	200 MINIMUM IN ANY PRINCIPAL DIRECTION	180 MINIMUM
ELONGATION AT FAILURE (PERCENT) 1/	ASTM D 4632 GRAB TEST	<50	> 50
PUNCTURE (POUNDS) 1/	ASTM D 4833	90 MINIMUM	80 MINIMUM
ULTRAVIOLET LIGHT (% RESIDUAL TENSILE STRENGTH)	ASTM D 4355 150-HR EXPOSURE	70 MINIMUM	70 MINIMUM
APPARENT OPENING SIZE (AOS)	ASTM D 4751	AS SPECIFIED, BUT NO SMALLER THAN 212 (#70) 2/	AS SPECIFIED MAX. #40 2/
PERCENT OPEN AREA (PERCENT)	CWO-02215-86	4.0 MINIMUM	-----
PERMITTIVITY SEC-1	ASTM D 4491	0.10 MINIMUM	0.70 MINIMUM

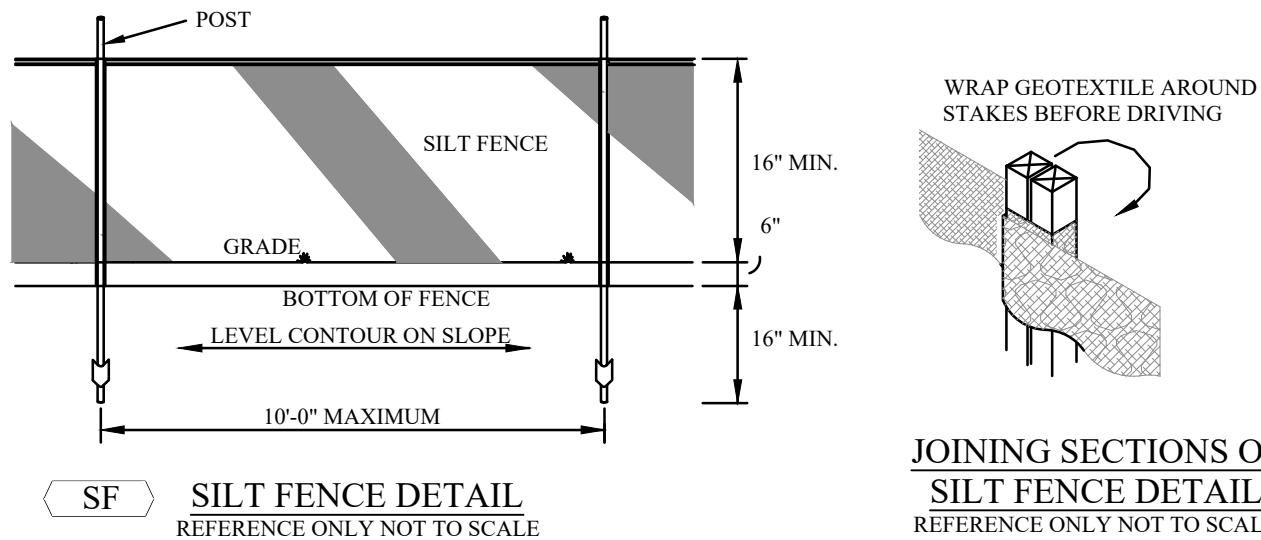
1. MINIMUM AVERAGE ROLL VALUE (WEAKEST PRINCIPAL DIRECTION).
2. U.S. STANDARD SIEVE SIZE NOTE: CWO IS A USAGE REFERENCE

RIPRAP SIZE CHART		
TYPE OF ROCK OR RIPRAP (ODOT)	"N" VALUE	SIZE OF ROCK
		50% 85%
TYPE D	.036	>6 IN. 3-12 IN.
TYPE C	.04	>12 IN. 6-18 IN.
TYPE B	.043	>18 IN. 12-24 IN.
TYPE A	.045	>24 IN. 18-30 IN.

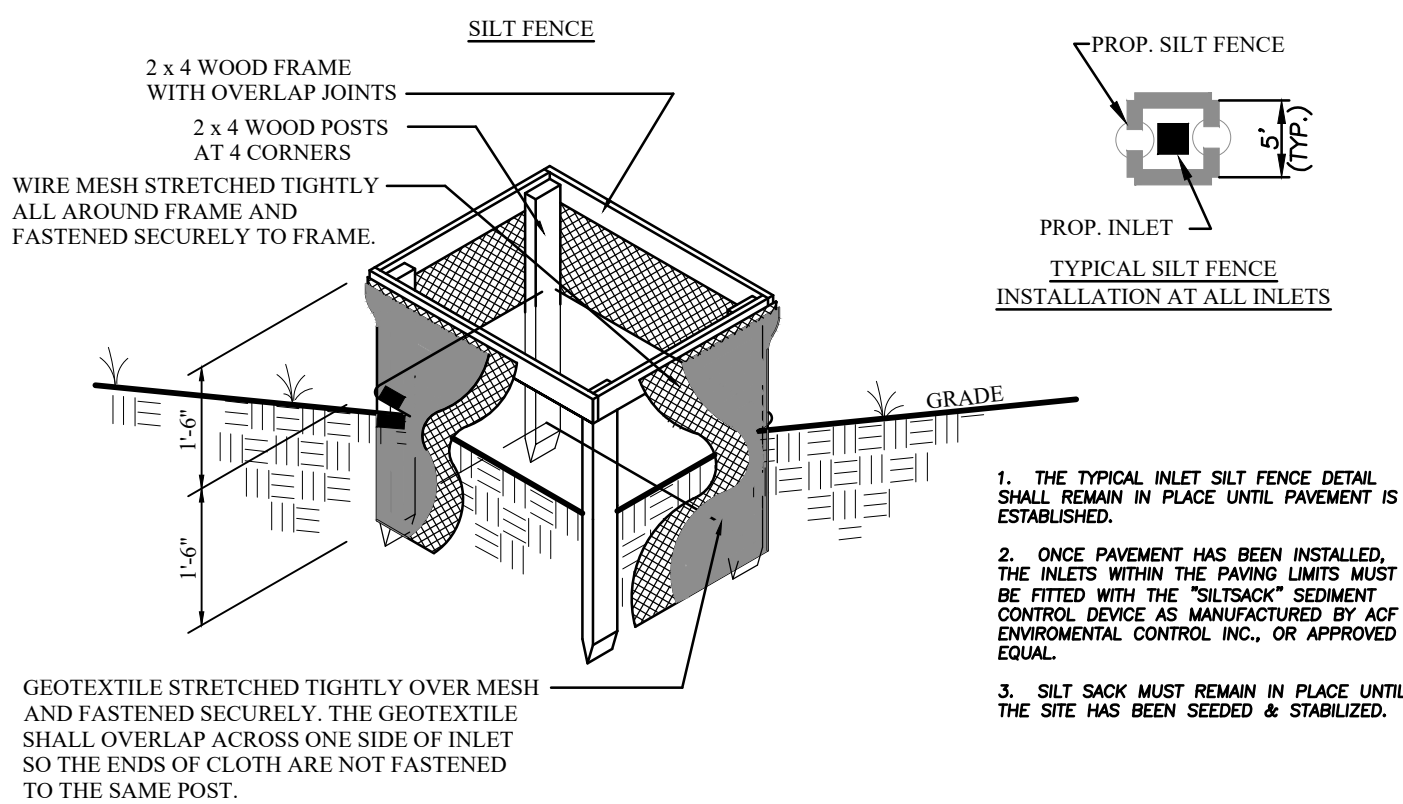


- SUBGRADE FOR THE FILTER OR BEDDING AND RIPRAP SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES AS SHOWN ON THE PLAN. THE SUBGRADE SHALL BE CLEARED OF ALL TREES, STUMPS, ROOTS, SOD, LOOSE ROCK, OR OTHER MATERIAL.
- RIPRAP SHALL CONFORM TO THE GRADING LIMITS AS SHOWN ON THE PLAN.
- GEOTEXTILE SHALL BE SECURELY ANCHORED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
- GEOTEXTILE SHALL BE LAID WITH THE LONG DIMENSION PARALLEL TO THE DIRECTION OF FLOW AND SHALL BE LAID LOOSELY BUT WITHOUT WRINKLES AND CREASES. WHERE JOINTS ARE NECESSARY, STRIPS SHALL BE PLACED TO PROVIDE A 12-IN. MINIMUM OVERLAP, WITH THE UPSTREAM STRIP OVERLAPPING THE DOWNSTREAM STRIP.
- GRAVEL BEDDING SHALL BE ODOT NO. 6/75 OR 5/75 UNLESS SHOWN DIFFERENTLY ON THE DRAWINGS.
- RIPRAP MAY BE PLACED BY EQUIPMENT BUT SHALL BE PLACED IN A MANNER TO PREVENT SLIPPAGE OR DAMAGE TO THE GEOTEXTILE.
- RIPRAP SHALL BE PLACED BY A METHOD THAT DOES NOT CAUSE SEGREGATION OF SIZES. EXTENSIVE PUSHING WITH A DOZER CAUSES SEGREGATION AND SHALL BE AVOIDED BY DELIVERING RIPRAP NEAR ITS FINAL LOCATION WITHIN THE CHANNEL.
- CONSTRUCTION SHALL BE SEQUENCED SO THAT OUTLET PROTECTION IS PLACED AND FUNCTIONAL WHEN THE STORM DRAIN, CULVERT, OR OPEN CHANNEL ABOVE IT BECOMES OPERATIONAL.
- ALL DISTURBED AREAS WILL BE VEGETATED AS SOON AS PRACTICAL.

SPECIFICATIONS FOR ROCK OUTLET PROTECTION
REFERENCE ONLY NOT TO SCALE



SILT FENCE SECTION
REFERENCE ONLY NOT TO SCALE



- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM INLET BECOMES FUNCTIONAL.
- THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.
- THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE 2-BY-4-IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4-IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
- WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
- GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40. SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
- BACKFILL SHALL BE PLACED AROUND THE INLET WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
- A COMPACTED EARTH DIKE OR A CHECK DAM BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND, THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

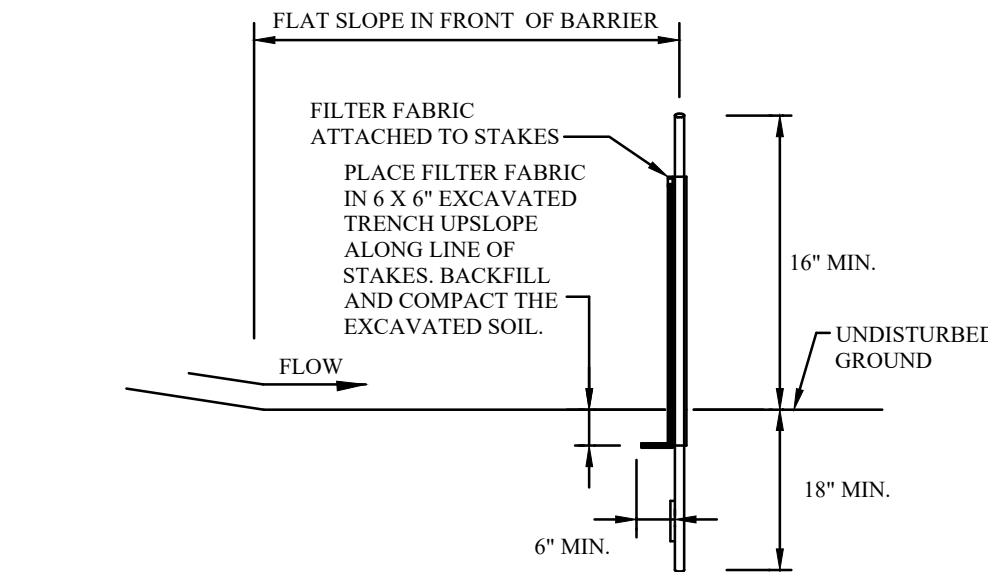
MAINTENANCE

EFFECTIVE STORM DRAIN INLET PROTECTION COLLECTS SEDIMENT AND THEREFORE MUST BE CLEANED REGULARLY TO PREVENT CLOGGING AND SUBSEQUENT FLOODING CONDITIONS. PIPING, OR OVERTOPPING OF THE CONTROL STRUCTURES, SEDIMENT BARRIERS THAT SAG, FALL OVER, OR ARE NOT PROPERLY SECURED, MUST BE PROMPTLY REPAIRED OR REPLACED.

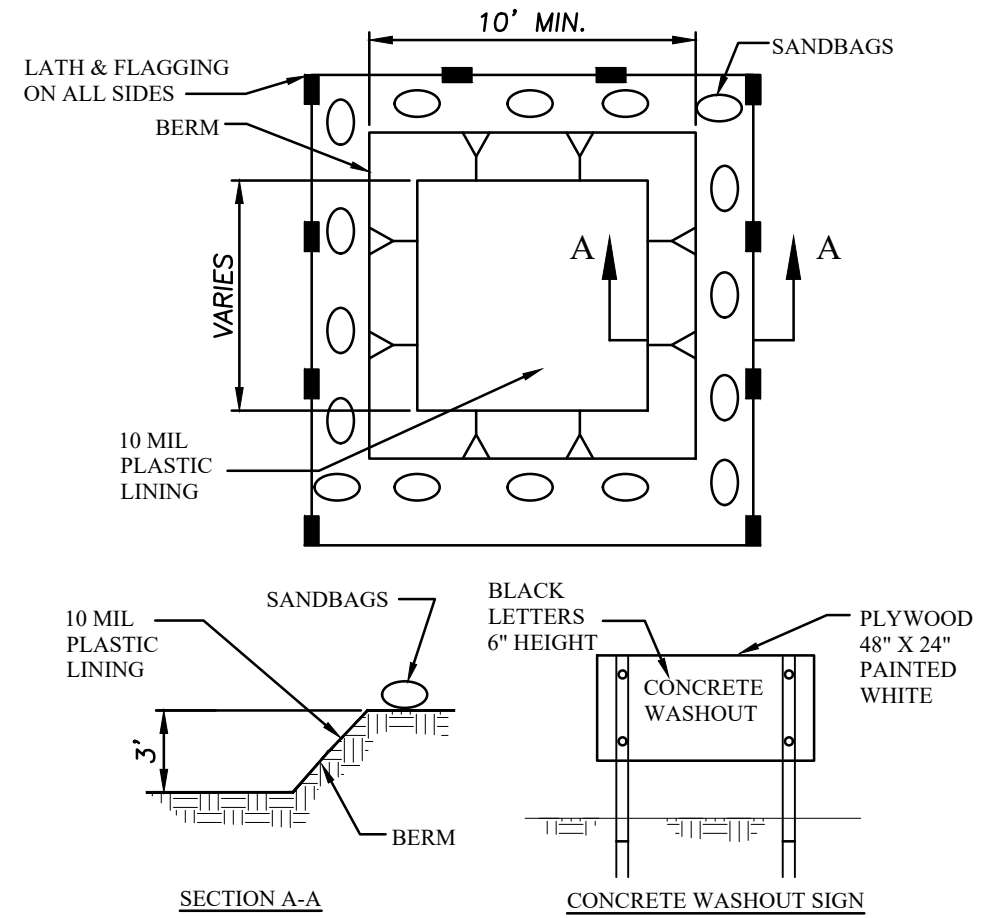
INLET PROTECTION SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT. AREAS WHERE THERE IS ACTIVE TRAFFIC SHALL BE INSPECTED DAILY. REPAIRS SHALL BE MADE AS NEEDED TO ASSURE THE PRACTICE IS PERFORMING AS INTENDED. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION IS ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. SEDIMENT SHALL BE REMOVED AND PLACED IN A LOCATION WHERE IT IS STABLE AND NOT SUBJECT TO EROSION.

ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, ALL FILTER MATERIAL AND COLLECTED SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED

SPECIFICATIONS FOR GEOTEXTILE INLET PROTECTION
REFERENCE ONLY NOT TO SCALE



SILT FENCE SECTION
REFERENCE ONLY NOT TO SCALE



- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FT FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES. FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON THE DETAIL WITH A MINIMUM LENGTH AND MINIMUM WIDTH OF 10'.
- LATH AND FLAGGING SHALL BE COMMERCIAL TYPE.
- PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- A SIGN SHALL BE INSTALLED ADJACENT TO WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL HAVE A TEMPORARY PIT OR BERMED AREAS OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT PROCEDURES.
- WASHOUT OF CONCRETE TRUCKS SHALL BE PERFORMED IN DESIGNATED AREAS ONLY.
- ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO CONCRETE WASHOUT.
- CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFFSITE.
- CONCRETE WASTES SHALL BE ALLOWED TO HARDEN THEN BROKEN UP, REMOVED, AND PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATION ON A REGULAR BASIS.
- WHEN TEMPORARY WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT THE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF.

TEMP. CONCRETE WASHOUT FACILITY

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Where Strong Relationships & Superior Service Guide Your Project
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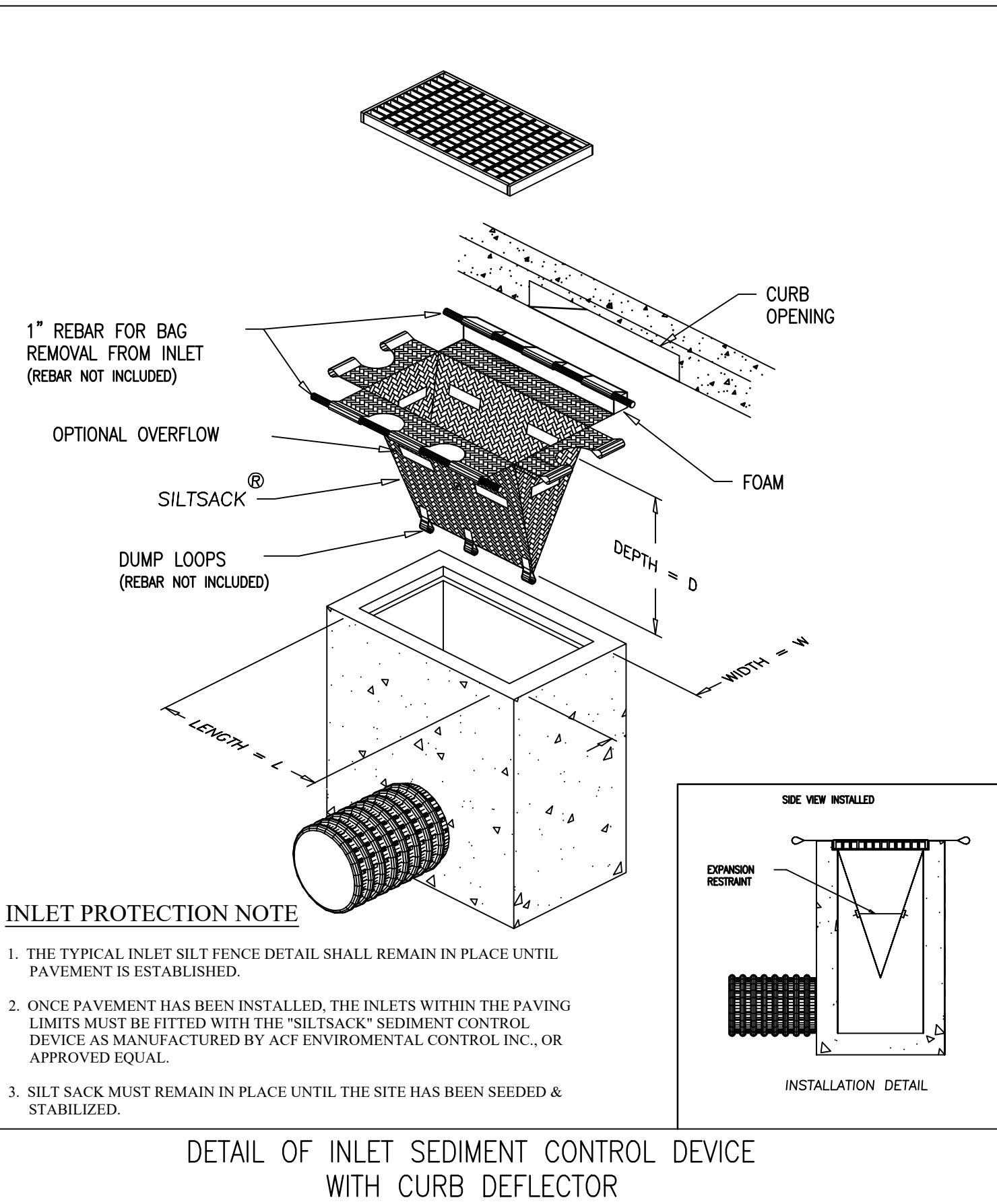
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HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

SWP3
DETAILS

C111
Project No. 2024-183



SILTSACK DETAIL

SPECIFICATIONS FOR SILT FENCE

MINIMUM CRITERIA FOR SILT FENCE FABRIC (ODOT, 2002)		
FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4362
MAXIMUM ELONGATION AT 60	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180 N)	ASTM D 4533
APPARENT OPENING SIZE	<84 MM	ASTM D 4751
MINIMUM PERMITTIVITY	1X10 ⁻² SEC ⁻¹	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM D 4355

IP

TCW

SPECIFICATIONS FOR TEMPORARY
ROLLED EROSION CONTROL PRODUCT

1.

CHANNEL/SLOPE SOIL PREPARATION GRADE AND COMPACT AREA OF INSTALLATION, PREPARING SEEDBED BY LOOSENING 2'-3" OF TOPSOIL ABOVE FINAL GRADE. INCORPORATE AMENDMENTS SUCH AS LIME AND FERTILIZER INTO SOIL. REMOVE ALL ROCKS, CLODS, VEGETATION OR OTHER DEBRIS SO THAT INSTALLED RECP WILL HAVE DIRECT CONTACT WITH THE SOIL SURFACE.
2.

CHANNEL/SLOPE SEEDING APPLY SEED TO SOIL SURFACE PRIOR TO INSTALLATION. ALL CHECK SLOTS, ANCHOR TRENCHES, AND OTHER DISTURBED AREAS MUST BE RESEED. REFER TO THE PERMANENT SEEDING SPECIFICATION FOR SEEDING RECOMMENDATIONS.

SLOPE INSTALLATION

3.

EXCAVATE TOP AND BOTTOM TRENCHES (12"X6"). INTERMITTENT EROSION CHECK SLOTS (6"X6") MAY BE REQUIRED BASED ON SLOPE LENGTH. EXCAVATE TOP ANCHOR TRENCH 2'X3' OVER CREST OF THE SLOPE
4.

IF INTERMITTENT EROSION CHECK SLOTS ARE REQUIRED, INSTALL RECP IN 6"X6" SLOT AT A MAXIMUM OF 30' CENTERS OR THE MID POINT OF THE SLOPE. RECP SHOULD BE STAPLED INTO TRENCH ON 12" CENTERS.
5.

INSTALL RECP IN TOP ANCHOR TRENCH, ANCHOR ON 12" SPACING, BACKFILL AND COMPACT SOIL.
6.

UNROLL RECP DOWN SLOPE WITH ADJACENT ROLLS OVERLAPPED A MINIMUM OF 3". ANCHOR THE SEAM EVERY 18". LAY THE RECP LOOSE TO MAINTAIN DIRECT SOIL CONTACT, DO NOT PULL TAUGHT.
7.

OVERLAP ROLL ENDS A MINIMUM OF 12" WITH UPSLOPE RECP ON TOP FOR A SHINGLE EFFECT. BEGIN ALL NEW ROLLS IN AN EROSION CHECK SLOT IF REQUIRED, DOUBLE ANCHOR ACROSS ROLL EVERY 12".
8.

INSTALL RECP IN BOTTOM ANCHOR TRENCH (12"X6"), ANCHOR EVERY 12". PLACE ALL OTHER STAPLES THROUGHOUT SLOPE AT 1 TO 2.5 PER SQUARE YARD DEPENDANT ON SLOPE. REFER TO MANUFACTURES ANCHOR GUIDE.

CHANNEL INSTALLATION

9.

EXCAVATE INITIAL ANCHOR TRENCH (12"X6") ACROSS THE LOWER END OF THE PROJECT AREA.
10.

EXCAVATE INTERMITTENT CHECK SLOTS (6"X6") ACROSS THE CHANNEL AT 30' INTERVALS ALONG THE CHANNEL.
11.

EXCAVATE LONGITUDINAL CHANNEL ANCHOR SLOTS (4"X4") ALONG BOTH SIDES OF THE CHANNEL TO BURY THE EDGES. WHENEVER POSSIBLE EXTEND THE RECP 2'-3' ABOVE THE CREST OF CHANNEL SIDE SLOPES.
12.

INSTALL RECP IN INITIAL ANCHOR TRENCH (DOWNSTREAM) ANCHOR EVERY 12", BACKFILL AND COMPACT SOIL.
13.

ROLL OUT RECP BEGINNING IN THE CENTER OF THE CHANNEL TOWARD THE INTERMITTENT CHECK SLOT. DO NOT PULL TAUGHT. UNROLL ADJACENT ROLLS UPSTREAM WITH A 3" MINIMUM OVERLAP (ANCHOR EVERY 18") AND UP EACH CHANNEL SIDE SLOPE.
14.

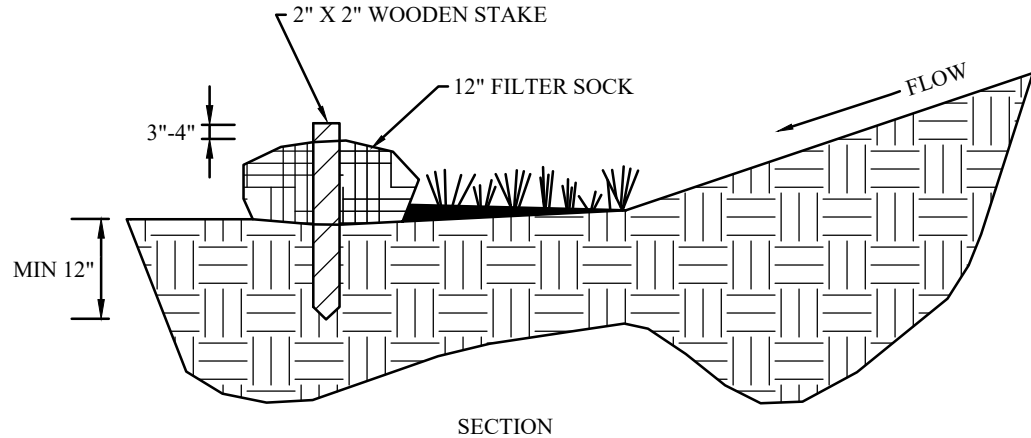
AT TOP OF CHANNEL SIDE SLOPES INSTALL RECP IN THE LONGITUDINAL ANCHOR SLOTS, ANCHOR EVERY 18".
15.

INSTALL RECP IN INTERMITTENT CHECK SLOTS. LAY INTO TRENCH AND SECURE WITH ANCHORS EVERY 12", BACKFILL WITH SOIL AND COMPACT.
16.

OVERLAP ROLL ENDS A MINIMUM OF 12" WITH UPSLOPE RECP ON TOP FOR A SHINGLING EFFECT. BEGIN ALL NEW ROLLS IN AN INTERMITTENT CHECK SLOT, DOUBLE ANCHOR EVERY 12".
17.

INSTALL UPSTREAM END IN A TERMINAL ANCHOR TRENCH (12"X6"), ANCHOR EVERY 12", BACKFILL AND COMPACT.
18.

COMPLETE ANCHORING THROUGHOUT CHANNEL AT 2.5 PER SQUARE YARD USING SUITABLE GROUND ANCHORING DEVICES (U SHAPED WIRE STAPLES, METAL GEOTEXTILE PINS, PLASTIC STAKES, AND TRIANGULAR WOODEN STAKES). ANCHORS SHOULD BE OF SUFFICIENT LENGTH TO RESIST PULLOUT. LONGER ANCHORS MAY BE REQUIRED IN LOOSE SAND OR GRAVELLY SOILS.



1.

MATERIALS-COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM $\frac{1}{8}$ " TO 2"
2.

FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE $\frac{1}{2}$ " KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.
3.

FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE.
4.

FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE SHALL BE SEEDD AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
5.

FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATE FLOW SITUATIONS OR IN RUNOFF CHANNELS.
6.

ROUTINELY INSPECT FILER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
7.

REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
8.

WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
9.

REMOVAL-FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AN NO OBSTRUCT SEEDINGS.

MAINTENANCE:

CFS

COMPOST FILTER SOCK DETAIL
REFERENCE ONLY NOT TO SCALE

SPECIFICATIONS FOR DUST CONTROL

ADHESIVES FOR DUST CONTROL			
ADHESIVE	WATER DILUTION (ADHESIVE WATER)	NOZZLE TYPE	APPLICATION RATE GAL./AC.
LATEX EMULSION	12.5:1	FINE	235
TESIN IN WATER ACRYLIC EMULSION (NO-TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO-TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

1.

VEGETATIVE COVER AND MULCH- APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 21 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2.

WATERING- SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3.

SPRAY-ON ADHESIVES-APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS
4.

STONE - GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
5.

BARRIERS- EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
6.

CALCIUM CHLORIDE - THIS CHEMICAL MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIERS' SPECIFIED RATES
7.

OPERATION AND MAINTENANCE - WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROLS.

STREET CLEANING- PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

SPECIFICATIONS FOR MULCHING

1.

MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
2.

MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
 - STRAW - SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED, FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.
 - HYDROSEEDERS - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
 - OTHER - ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
3.

MULCH ANCHORING - MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:
 - MECHANICAL - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
 - MULCH NETTINGS - USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
 - SYNTHETIC BINDERS - FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK, OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATER OF THE STATE.
 - WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LBS./AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

SPECIFICATIONS FOR SODDING

- MATERIALS

1. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 48 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO INSTALLATION.

2. THE SOD SHALL BE KEPT MOIST AN COVERED DURING HAULING AND PREPARATION FOR PLACEMENT.

3. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 0.75 INCHES, PLUS OR MINUS 0.25 INCHES, AT THE TIME OF CUTTING. MEASUREMENTS FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.

SITE PREPARATION

1.

A SUBSOILER, PLOW OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY. SUBSOILING SHALL NOT BE CONDUCTED ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED ONLY TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
2.

THE AREA SHALL BE GRADED AND TOPSOIL SPREAD WHERE NEEDED.
3.

SOIL AMENDMENTS

LIME- AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACIDIC SOILS AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 LB./1,000 SQ. FT OR 2 TONS/AC.

FERTILIZER- FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A 2 SOIL TEST FERTILIZER SHALL BE APPLIED AT A RATE OF 12 LB./1,000 SQ. FT OR 500 LB./AC. OF 10-10-10 OR 12-12-12 ANALYSIS

THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES.

4.

BEFORE LAYING SOD, THE SURFACE SHALL BE UNIFORMLY GRADED AND CLEARED OF ALL DEBRIS, STONES AND CLODS LARGER THAN 3-IN. DIAMETER.

- SOD INSTALATION

1. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURES, THE SOIL SHALL BE LIGHTLY IRRIGATED IMMEDIATELY BEFORE LAYING THE SOD.

2. SOD SHALL NOT BE PLACED ON FROZEN SOIL.

3.

THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED IN A BRICK-LIKE PATTERN. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS THAT WOULD DRY THE ROOTS.

4.

ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGE PARALLEL TO THE CONTOUR AND STAGGERED JOINTS. THE SOD SHALL BE SECURED WITH PEGS OR STAPLES.

5.

AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO ENSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING UNTIL THE SOD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. THE OPERATIONS OF LAYING TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN 8 HOURS.

MAINTENANCE

1.

IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSARY DURING THE FIRST WEEK WITH SUFFICIENT QUANTITIES TO MAINTAIN MOIST SOIL TO A DEPTH OF 4-6 INCHES.

2.

AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND ENSURE ESTABLISHMENT.

3.

THE FIRST MOWING SHALL NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED.

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Issue Date

12-17-2024
12-19-2024
02-11-2025
03-17-2025
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HUDSON VETERINARY
NEW SITE
HUDSON, OHIO

SWP3
DETAILS

C112
Project No. 2024-183