

SURVEY MONUMENTS

- BENCH MARK
- FOUND CIM
- FOUND CPNT.
- FOUND JLM
- FOUND LATH
- FOUND PIPE
- FOUND READING
- STAKED CIM
- STAKED CPNT.
- STAKED JLM
- STAKED PIPE

EXISTING TOPO SYMBOLS

- AC UNIT
- FENCE POST
- FLAG POLE
- GUARD POST
- GUY ANCHOR
- GUY POLE
- HANDICAP SYMBOL
- MAILBOX
- SHRUB
- SIGN DOUBLE POST
- SIGN SINGLE POST
- TREE CONIFER
- TREE DECIDUOUS
- TREE STUMP
- TV DISH
- WETLAND SYMBOL
- YARD LIGHT

EXISTING UTILITY MUNICIPAL SYMBOLS

- APRON
- LIFT STATION
- SANITARY CLEANOUT
- SANITARY MANHOLE
- STORM CATCH BASIN
- STORM INLET

EXISTING UTILITY MUNICIPAL SYMBOLS (cont.)

- STORM MANHOLE
- WATER CURB STOP
- WATER HANDHOLE
- WATER HYDRANT
- WATER MANHOLE
- WATER METER
- WATER VALVE
- WATER WELL
- UTILITY** UTILITY SIZE & TYPE

EXISTING UTILITY PRIVATE SYMBOLS

- ELEC GROUND LIGHT
- ELEC HANDHOLE
- ELEC LIGHT POLE
- ELEC MANHOLE
- ELEC METER
- ELEC PEDESTAL
- ELEC POLE
- ELEC SIGNAL
- ELEC TRANSFORMER BOX
- GAS METER
- GAS VALVE
- LP TANK
- TELE HANDHOLE
- TELE MANHOLE
- TELE PEDESTAL
- TELE POLE
- TV HANDHOLE
- TV PEDESTAL

SOIL BORING SYMBOLS

- LASER-INDUCED FLUORESCENCE BORING
- LYSIMETER
- MONITOR WELL
- PERC TEST
- PIEZOMETER
- RECOVERY WELL
- SOIL BORING
- SOIL VAPOR POINT
- VAPOR SURVEY POINT

PROPOSED UTILITY MUNICIPAL SYMBOLS

- APRON PROPOSED
- SANITARY CLEANOUT PROPOSED
- SANITARY LIFT STATION PROPOSED
- SANITARY LIFT STATION VALVE MANHOLE PROPOSED
- SANITARY MANHOLE PROPOSED
- SANITARY PLUG PROPOSED
- STORM CATCH BASIN PROPOSED
- STORM MANHOLE PROPOSED
- WATER 11 1/4" BEND PROPOSED
- WATER 22 1/2" BEND PROPOSED
- WATER 45" BEND PROPOSED
- WATER 90" BEND PROPOSED
- WATER CAP PROPOSED
- WATER CROSS PROPOSED
- WATER CURB STOP PROPOSED
- WATER HYDRANT PROPOSED
- WATER REDUCER PROPOSED
- WATER SLEEVE PROPOSED
- WATER TEE PROPOSED
- WATER VALVE PROPOSED

PROPOSED UTILITY PRIVATE SYMBOLS

- ELEC LIGHT POLE PROPOSED

EROSION CONTROL SYMBOLS

- SURFACE DRAINAGE ARROW
- STORM DRAIN INLET PROTECTION

TRAFFIC CONTROL DEVICES & SYMBOLS

- TRAFFIC CONTROL SIGN (1 POST)
- TRAFFIC CONTROL SIGN (2 POST)
- TYPE III BARRICADE
- DRUM CHANNELIZER
- FLASHING ARROW OR MESSAGE BOARD

EXISTING TOPOGRAPHIC LINES

- CENTER LINE
- EDGE OF WOODS
- FENCE BARB WIRE
- FENCE CHAIN LINK
- FENCE WOOD
- FORCEMAIN
- OVERHEAD CABLE TV
- OVERHEAD ELECTRIC
- OVERHEAD TELE
- RAILROAD
- RETAINING WALL
- SANITARY SEWER
- SANITARY SEWER SERVICE
- STORM SEWER
- STORM SEWER DRAIN TILE
- UNDERGROUND CABLE TV
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND GAS
- UNDERGROUND TELE
- WATERMAIN
- WATERMAIN SERVICE
- WETLAND EDGE

R/W, LOT & EASEMENTS LINES

- BUILDING SETBACK LINE
- LOT LINE PROPOSED
- EASEMENT LINE
- EASEMENT LINE PROPOSED
- LOT LINE
- MNDOT CONTROLLED ACCESS LINE
- RIGHT OF WAY EXISTING
- RIGHT OF WAY PROPOSED

PROPOSED CONSTRUCTION LINES

- FENCE CHAIN LINK PROPOSED
- FENCE WOOD PROPOSED
- FENCE BARB WIRE PROPOSED
- FORCEMAIN PROPOSED
- SANITARY SEWER PROPOSED
- SANITARY SERVICE PROPOSED
- STORM SEWER PROPOSED
- STORM SEWER DRAIN TILE PROPOSED
- WATERMAIN PROPOSED
- WATERMAIN SERVICE PROPOSED

EROSION CONTROL LINES

- BALE CHECK
- BIO ROLL
- SILT FENCE
- SILT FENCE TYPE HEAVY DUTY
- SILT FENCE TYPE MACHINE SLICED
- SILT FENCE TYPE PREASSEMBLED
- FLOTATION SILT CURTAIN

HATCH PATTERN AND SHADING LEGEND

- RANDOM RIPRAP
- SOD
- SEED
- HYDRAULIC STABILIZER
- EROSION CONTROL BLANKET
- TEMP. ROCK CONSTRUCTION ENTRANCE
- BUILDING WALL HATCH
- BITUMINOUS SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- EASEMENT PATTERN

DOCUMENTATION SYMBOLS

- SECTION ARROW - SECTION NUMBER TOP; PAGE OF SECTION BOTTOM

PRELIMINARY - NOT FOR CONSTRUCTION

ESSENTIA HEALTH MUSCULOSKELETAL CENTER - BAXTER
ESSENTIA HEALTH
14275 EDGEWOOD DR N #100, BAXTER, MN 56425

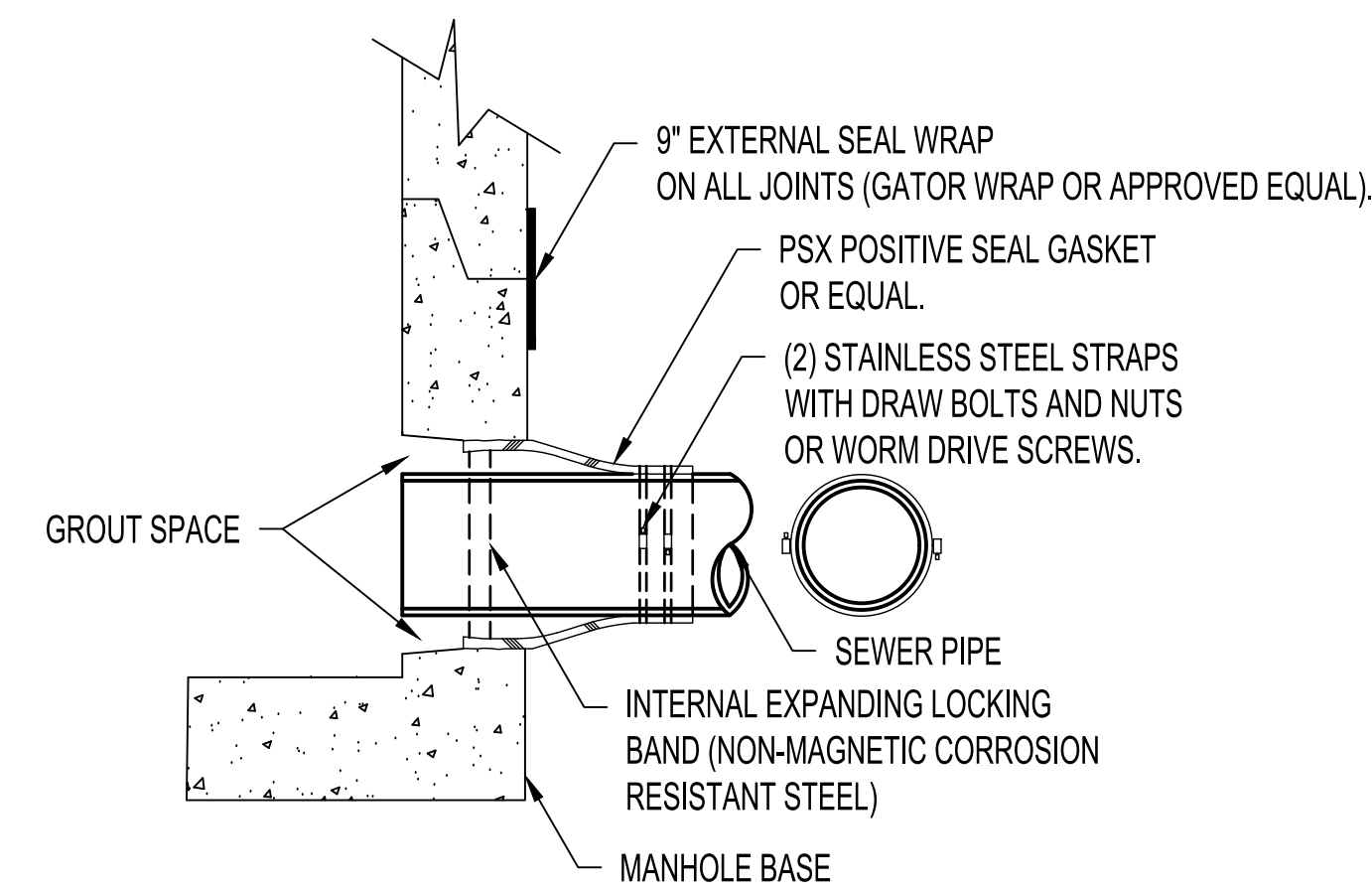
SHEET NO.
C101

CIVIL LEGEND

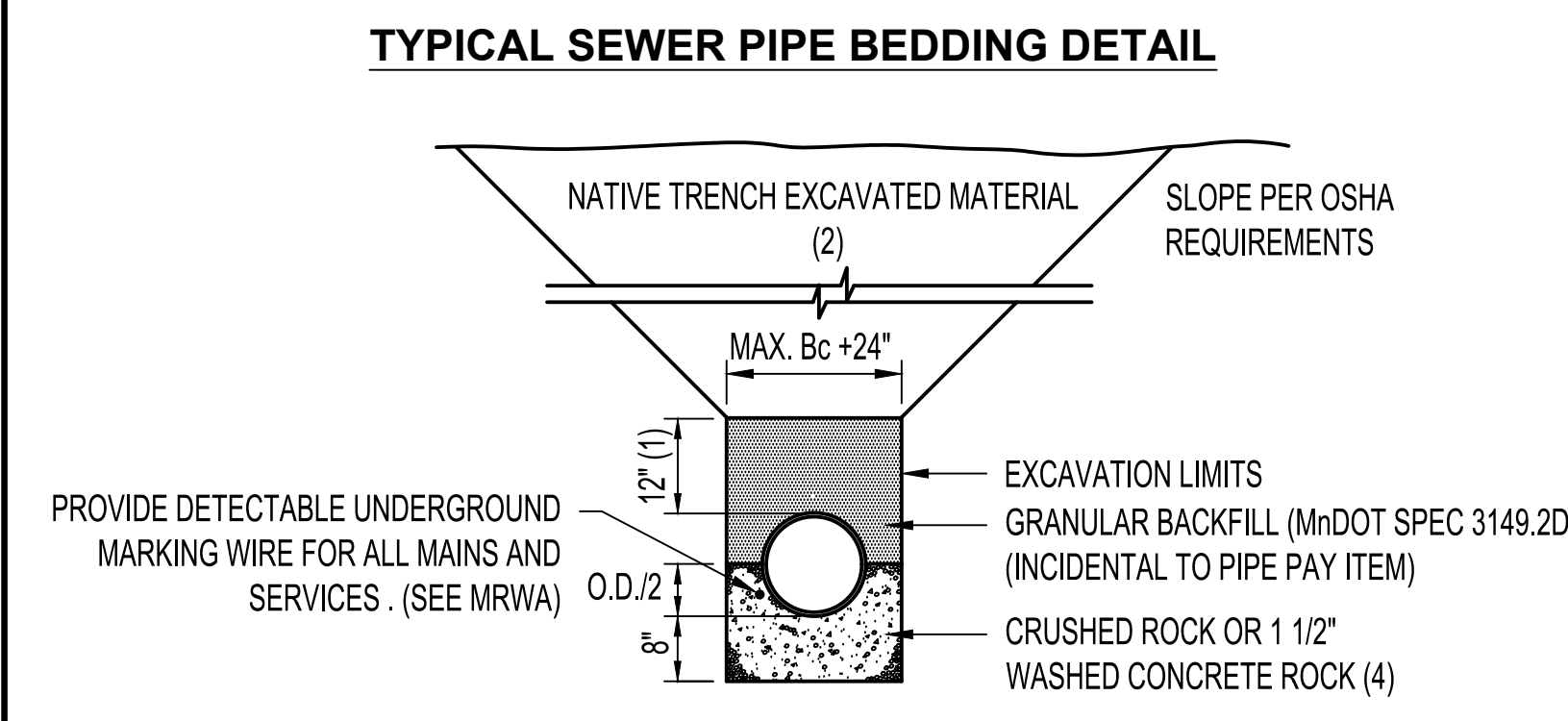
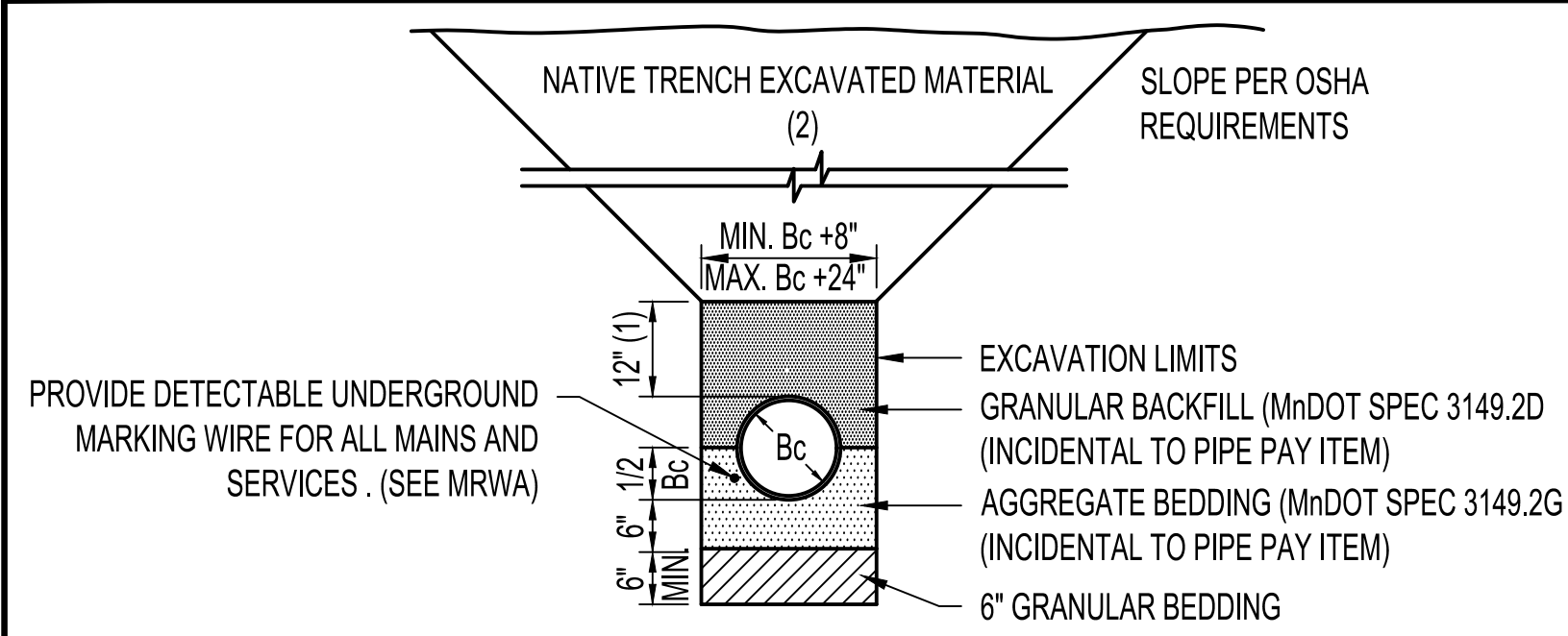
DATE: OCT 23, 2024
SCALE: AS NOTED
DRAWN BY: JDS
CHECKED BY: JDS

DATE:
BY:
DESCRIPTION:
JOB NUMBER: 2024-11581

DATE	BY	DESCRIPTION



	CITY OF BAXTER, MINNESOTA	REV. 9-17
	SANITARY MANHOLE FLEXIBLE SLEEVE	
	PUBLIC WORKS DEPARTMENT	S-2



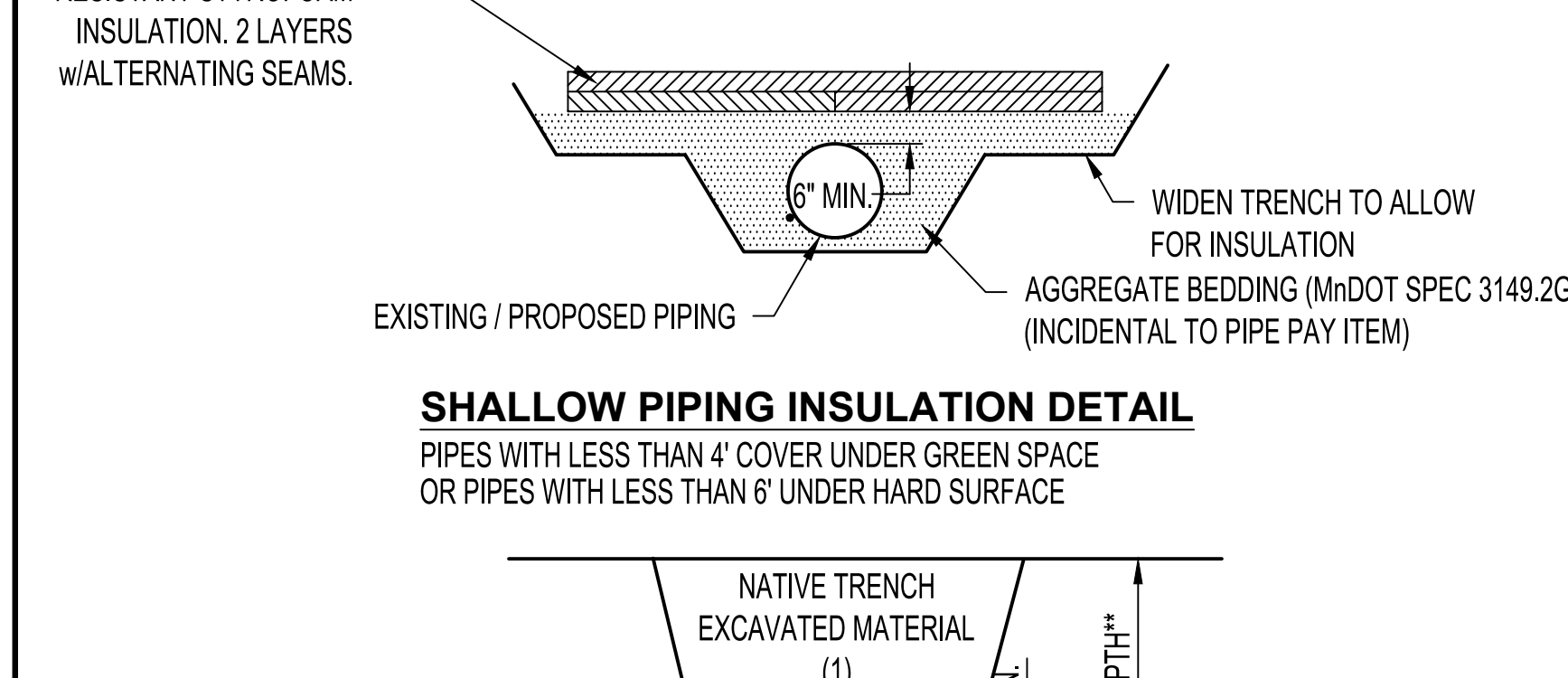
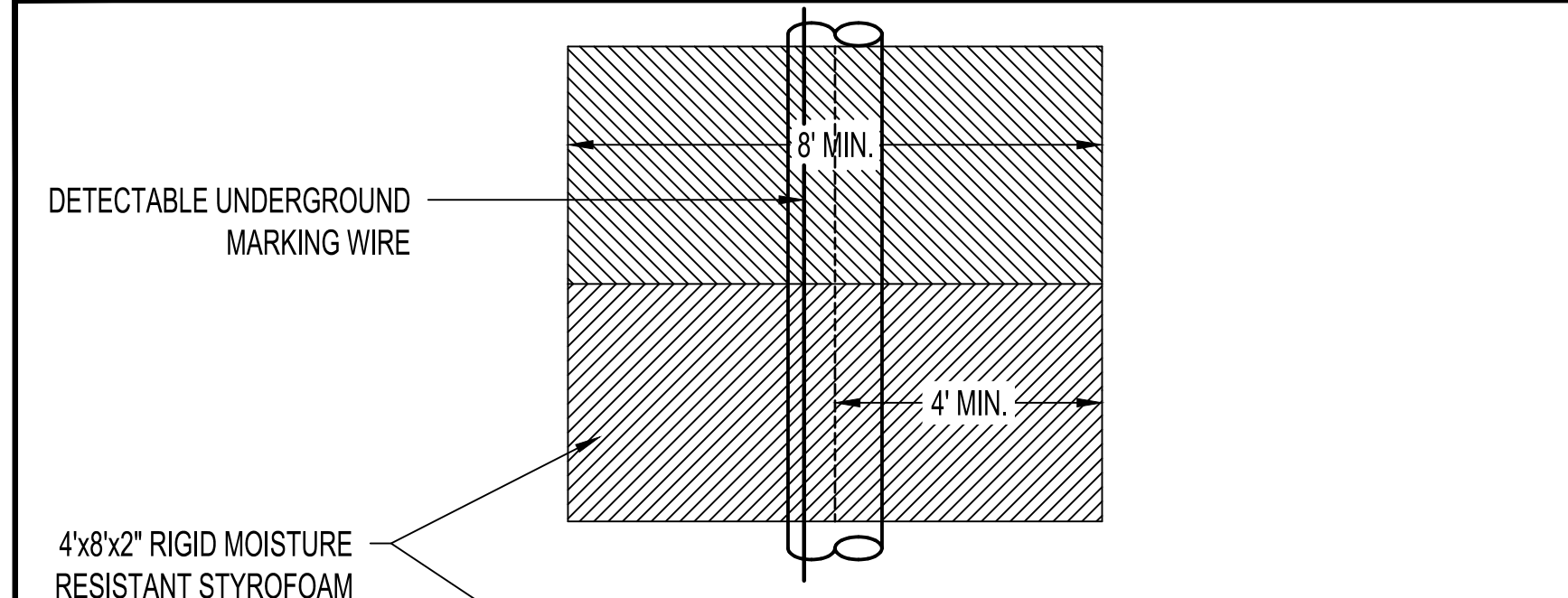
TYPICAL SEWER PIPE BEDDING DETAIL

SPECIAL PIPE BEDDING DETAIL FOR TRENCH STABILIZATION WHERE REQUIRED

NOTES:

- (1) IF THIS DIMENSION DECREASES THE BEDDING CONDITIONS WILL CHANGE. A HIGHER LEVEL BEDDING CONDITION SHALL BE SOLELY AT THE CONTRACTORS EXPENSE.
- (2) IN AREAS WHERE EXISTING MATERIAL IS NOT SUITABLE AS BACKFILL, THE ENGINEER MAY DIRECT THE PLACEMENT OF GRANULAR BACKFILL. GRANULAR BACKFILL WILL BE PAID AND MEASURED AS GRANULAR BACKFILL (LV). DISPOSAL OF EXCESS EXCAVATED MATERIAL SHALL BE CONSIDERED INCIDENTAL TO GRANULAR BACKFILL (LV).
- (3) FOR ROCK OR OTHER INCOMPRESSIBLE MATERIALS, THE TRENCH SHOULD BE OVER EXCAVATED A MINIMUM OF 6" & REFILLED WITH GRANULAR MATERIAL. THIS ITEM WILL BE ELIGIBLE FOR EXTRA PAYMENT, IF REQUIRED.
- (4) THIS PROCEDURE IS NOT INTENDED TO REPLACE DEWATERING SYSTEMS IN WET CONDITIONS.
- (5) IF CRUSHED OR WASHED ROCK BEDDING IS USED, INSTALL A 10' LONG SAND SECTION AROUND ENTIRE PIPE SECTION APPROXIMATELY HALFWAY BETWEEN EACH MANHOLE RUN. THE INTENT OF THE SAND IS TO ACT AS A COLLAR TO PREVENT WATER FROM TRAVELING PIPE RUN.

	CITY OF BAXTER, MINNESOTA	REV. 4-24
	SEWER PIPE BEDDING	
	PUBLIC WORKS DEPARTMENT	S-5



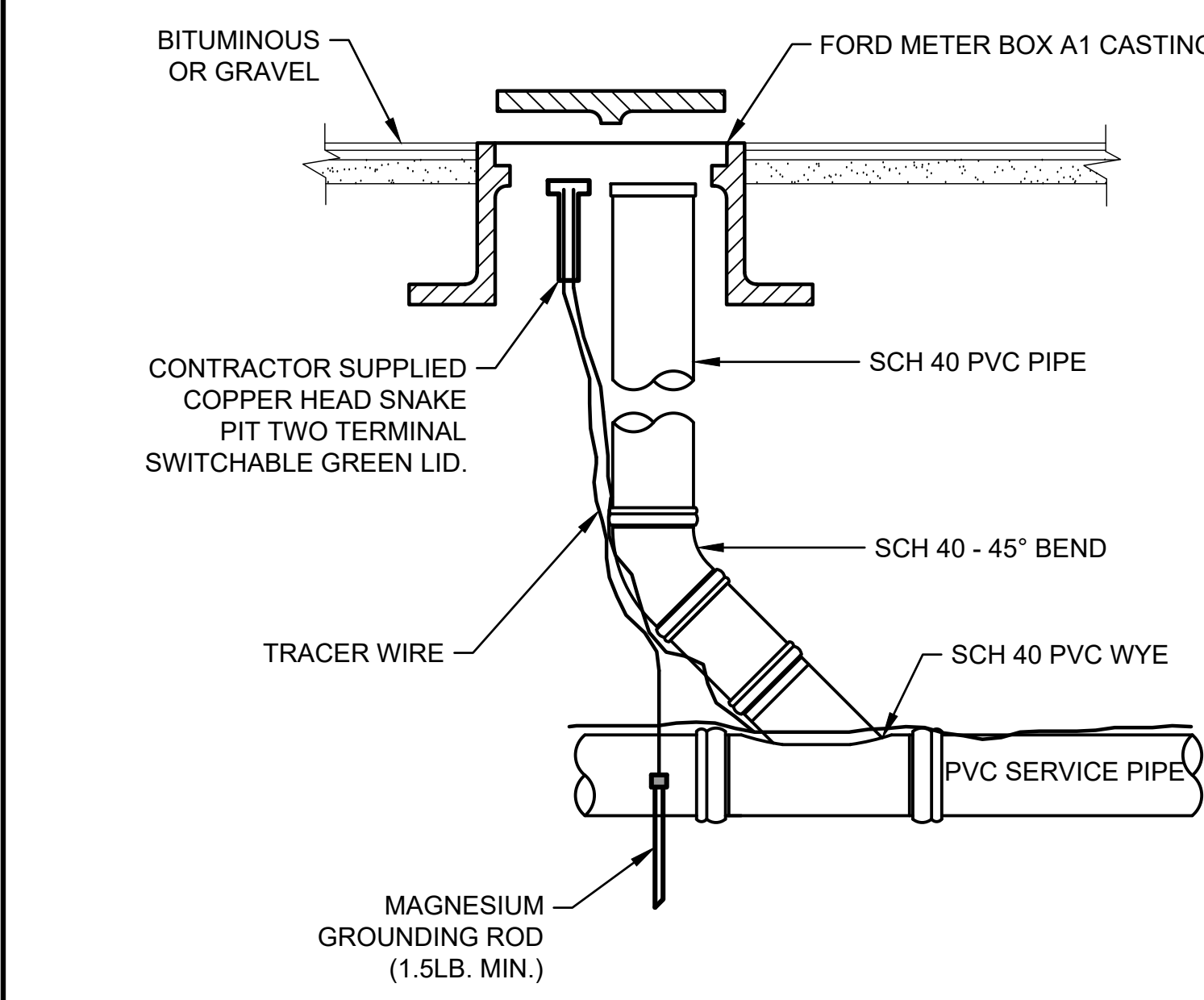
SHALLOW PIPING INSULATION DETAIL

MEDIUM DEPTH PIPING INSULATION DETAIL

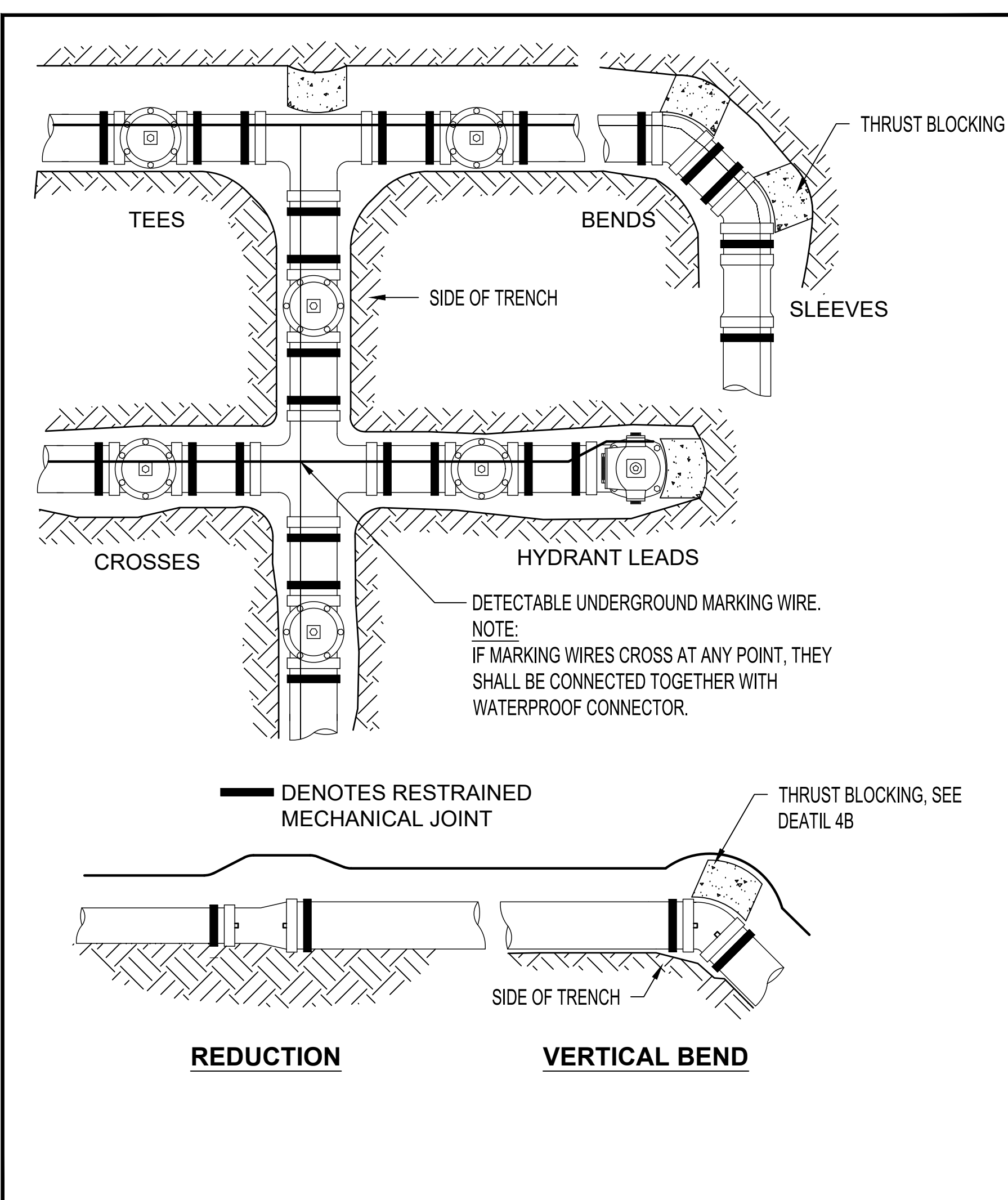
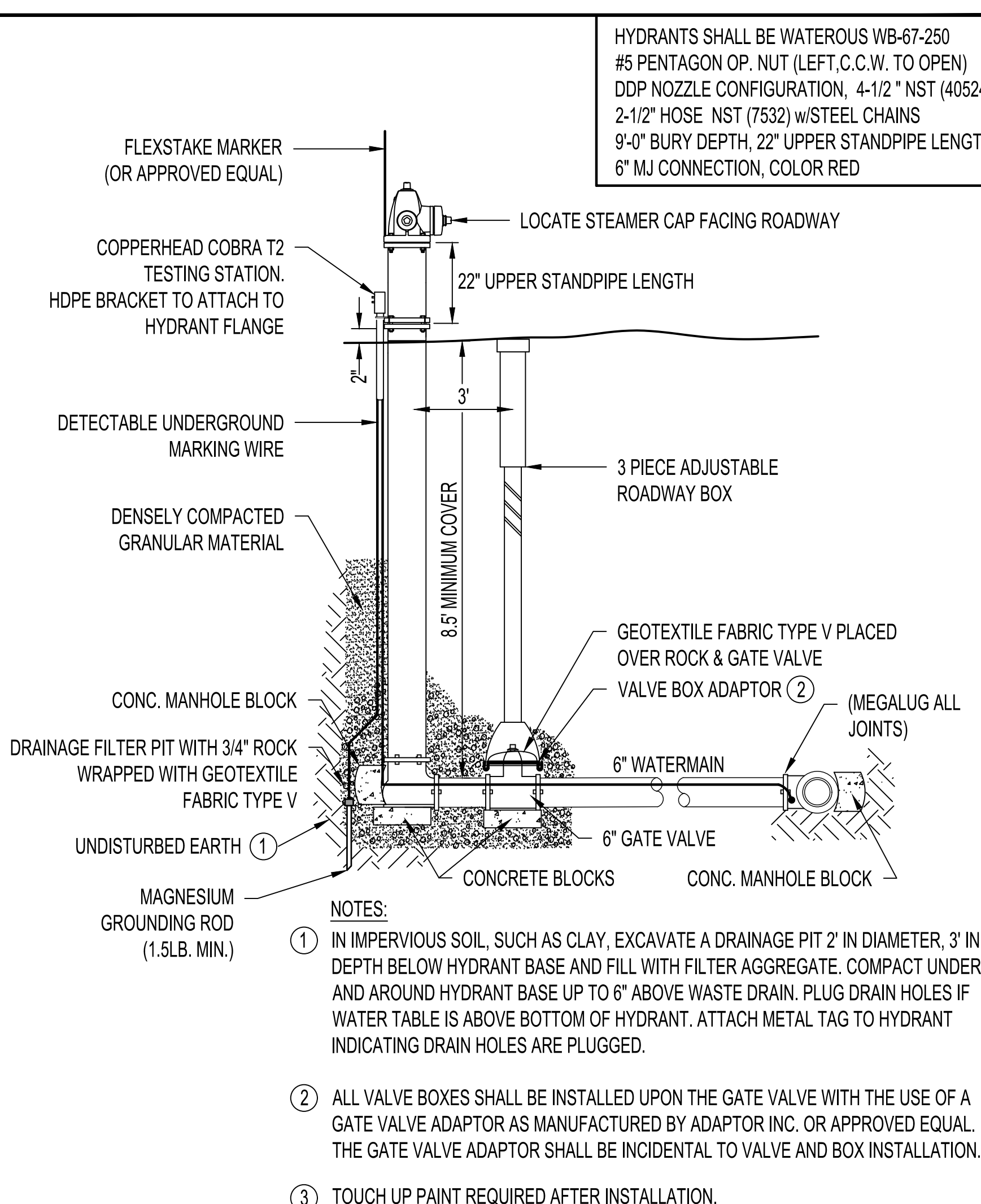
NOTES:

- (1) IN AREAS WHERE EXISTING MATERIAL IS NOT SUITABLE AS BACKFILL, THE ENGINEER MAY DIRECT THE PLACEMENT OF GRANULAR BACKFILL. GRANULAR BACKFILL WILL BE PAID AND MEASURED AS GRANULAR BACKFILL (LV). DISPOSAL OF EXCESS EXCAVATED MATERIAL SHALL BE CONSIDERED INCIDENTAL TO GRANULAR BACKFILL (LV).

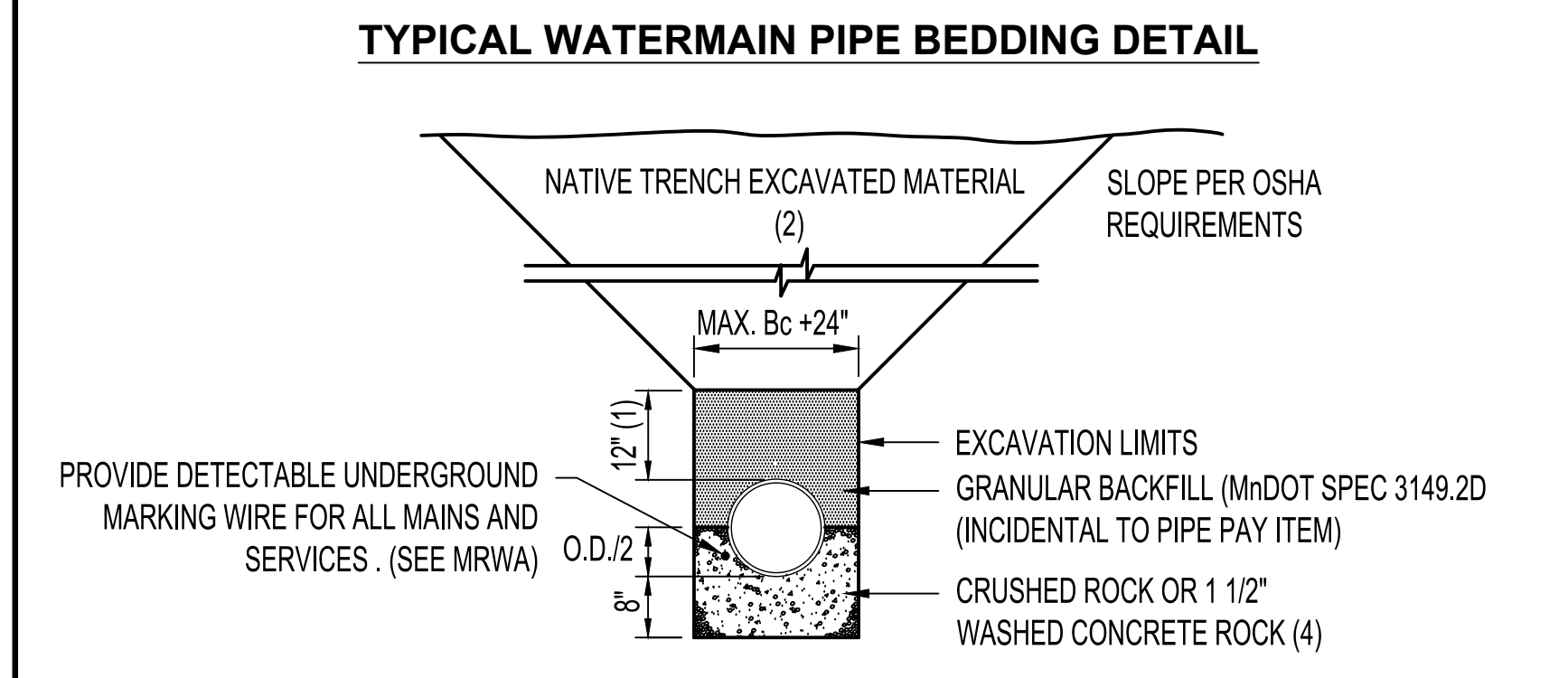
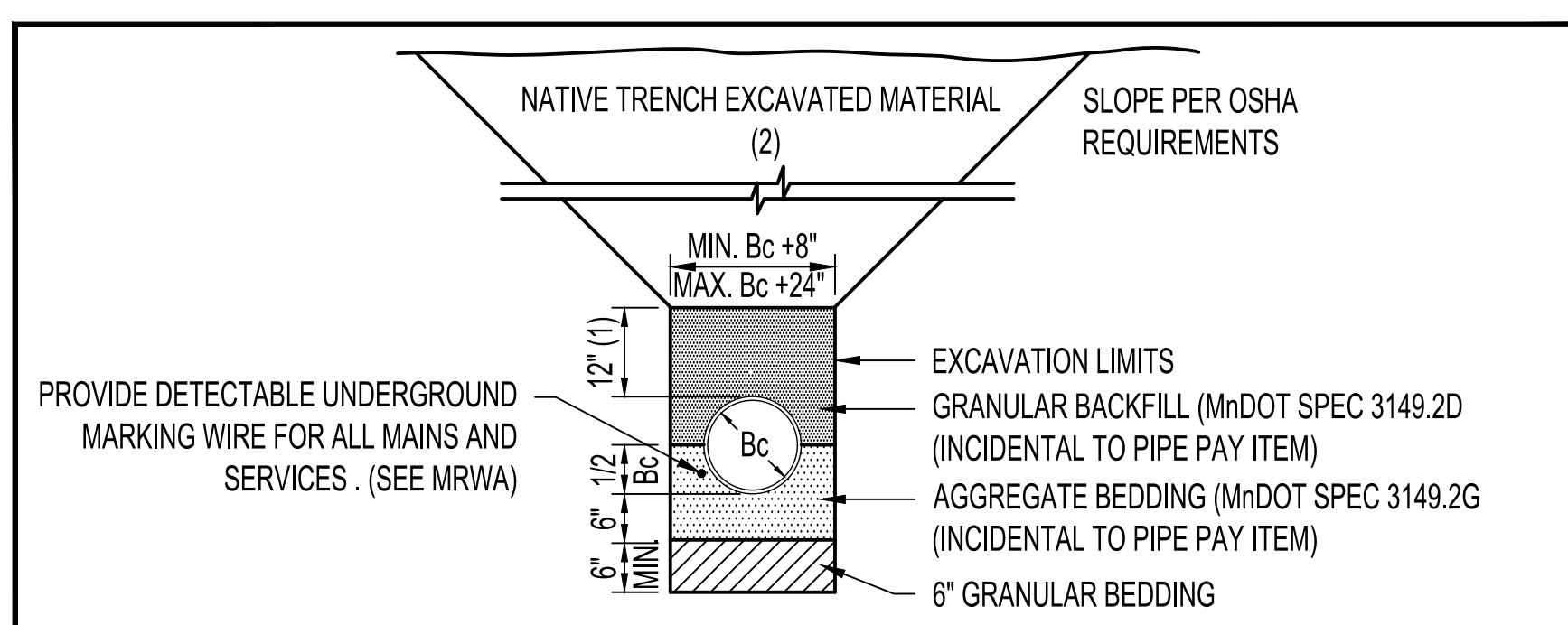
	CITY OF BAXTER, MINNESOTA	REV. 1-20
	SANITARY SEWER PIPE INSULATION	
	PUBLIC WORKS DEPARTMENT	S-6



	CITY OF BAXTER, MINNESOTA	REV. 2-24
	SANITARY SEWER CLEANOUT (HARD SURFACE)	
	PUBLIC WORKS DEPARTMENT	S-9



	CITY OF BAXTER, MINNESOTA	REV. 4-23
	RESTRAINED MECHANICAL JOINT AND BLOCKING LOCATION	
	PUBLIC WORKS DEPARTMENT	W-4A



TYPICAL WATERMAIN PIPE BEDDING DETAIL

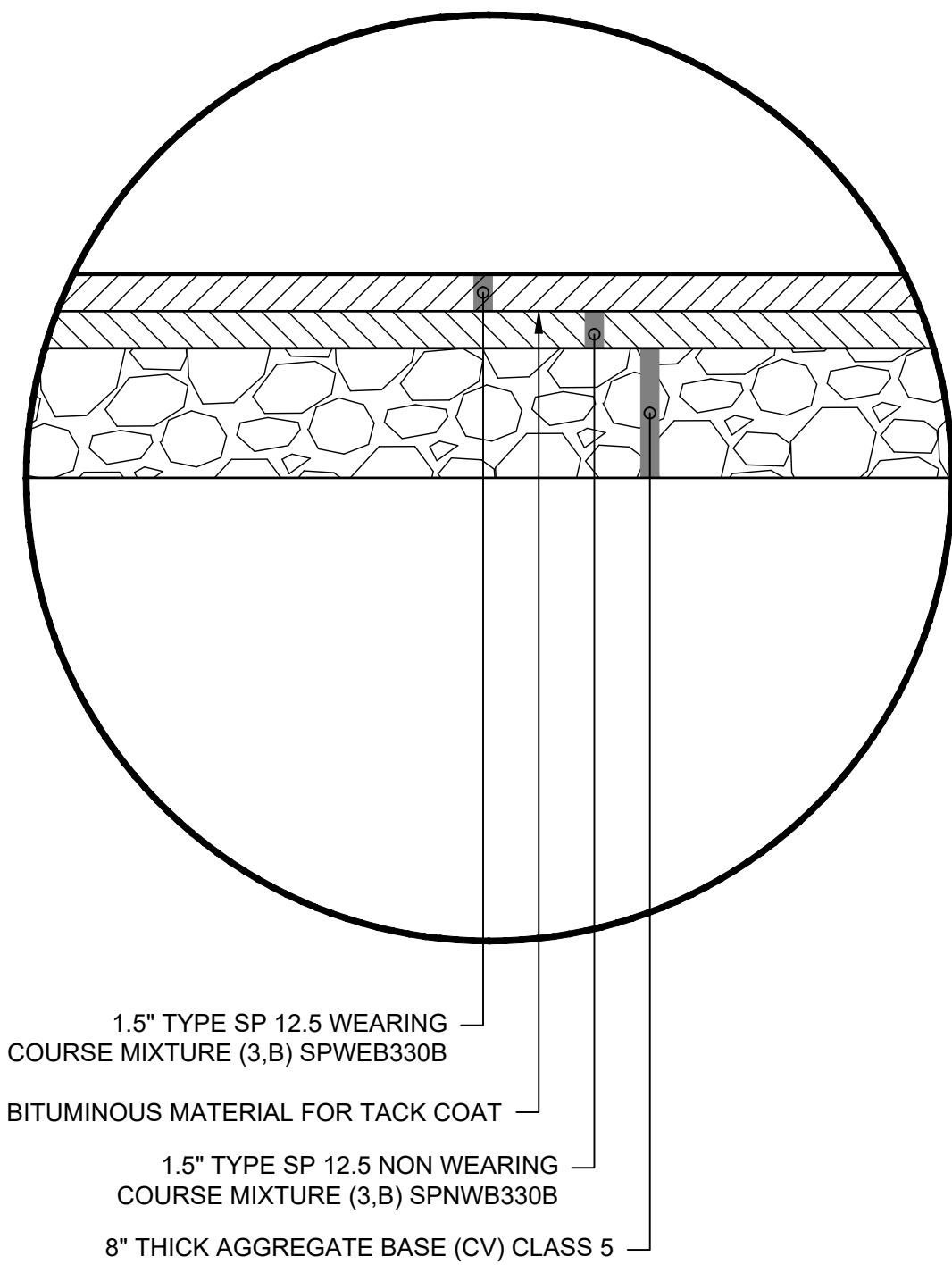
SPECIAL PIPE BEDDING DETAIL FOR TRENCH STABILIZATION WHERE REQUIRED

NOTES:

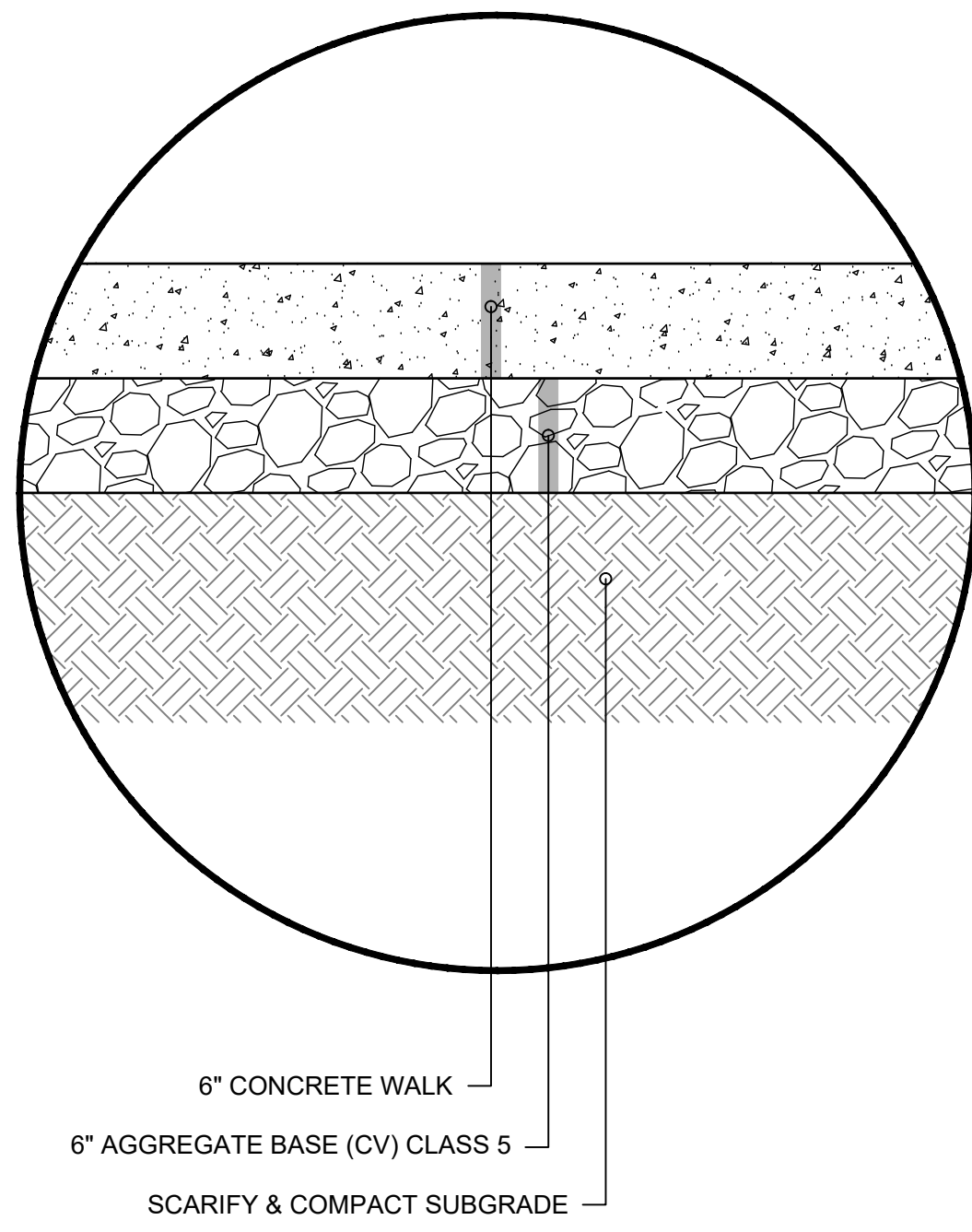
- (1) IF THIS DIMENSION DECREASES THE BEDDING CONDITIONS WILL CHANGE. A HIGHER LEVEL BEDDING CONDITION SHALL BE SOLELY AT THE CONTRACTORS EXPENSE.
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	CITY OF BAXTER, MINNESOTA	REV. 4-24
	WATERMAIN PIPE BEDDING	
	PUBLIC WORKS DEPARTMENT	W-5

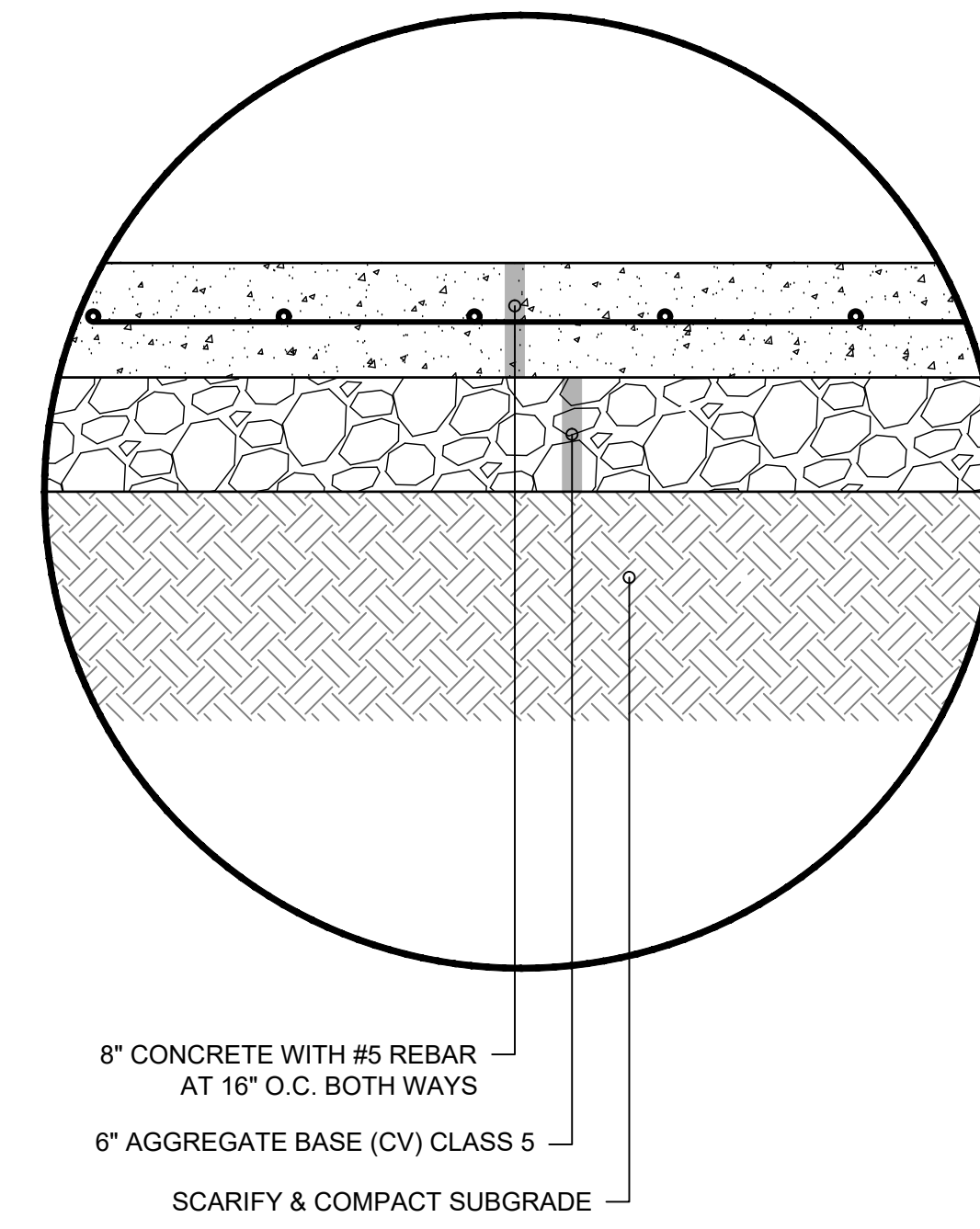
	CITY OF BAXTER, MINNESOTA	REV. 1-20
	TYPICAL HYDRANT AND GATE VALVE	
	PUBLIC WORKS DEPARTMENT	W-3



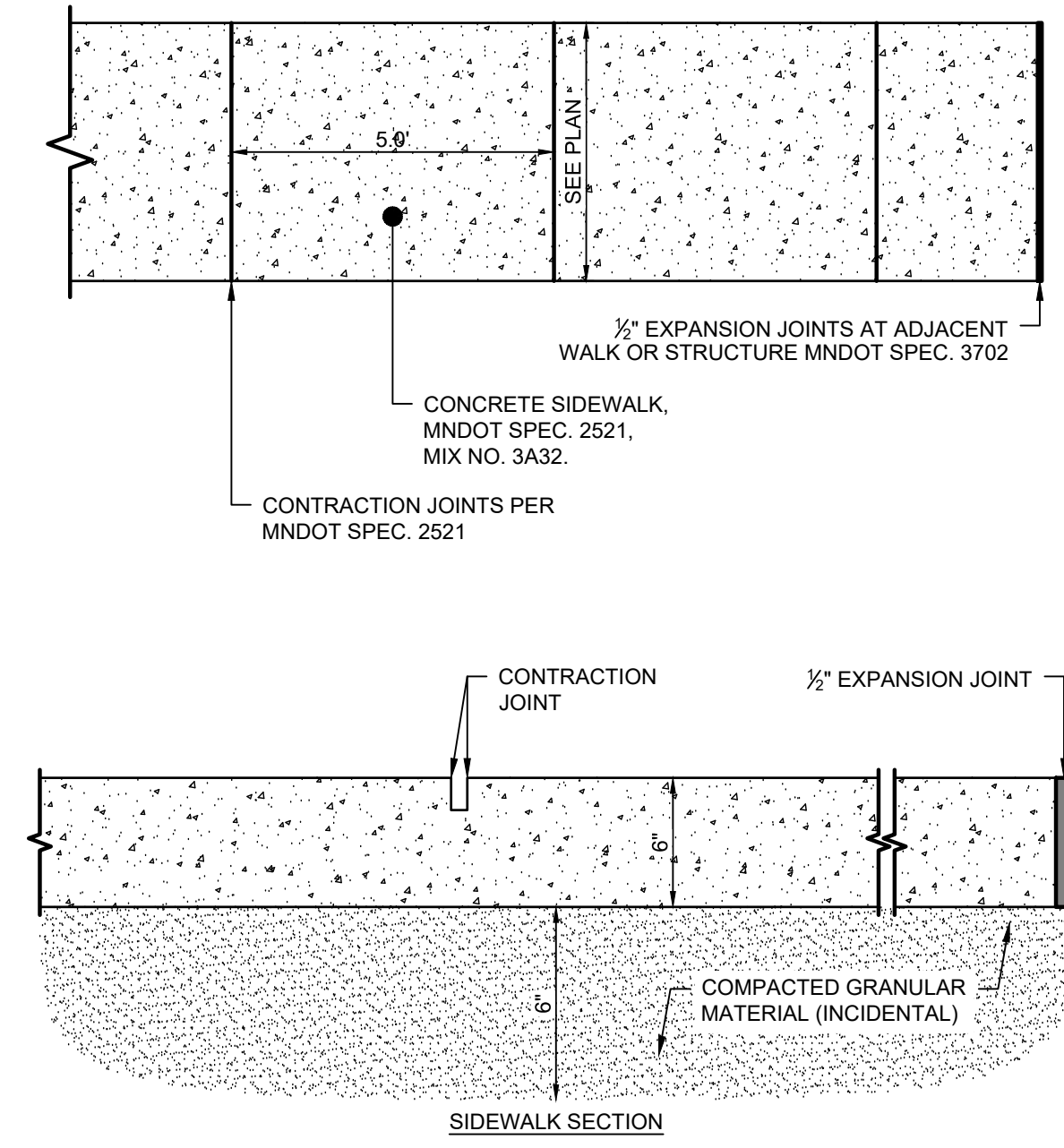
BITUMINOUS PAVEMENT SECTION
SCALE: NONE



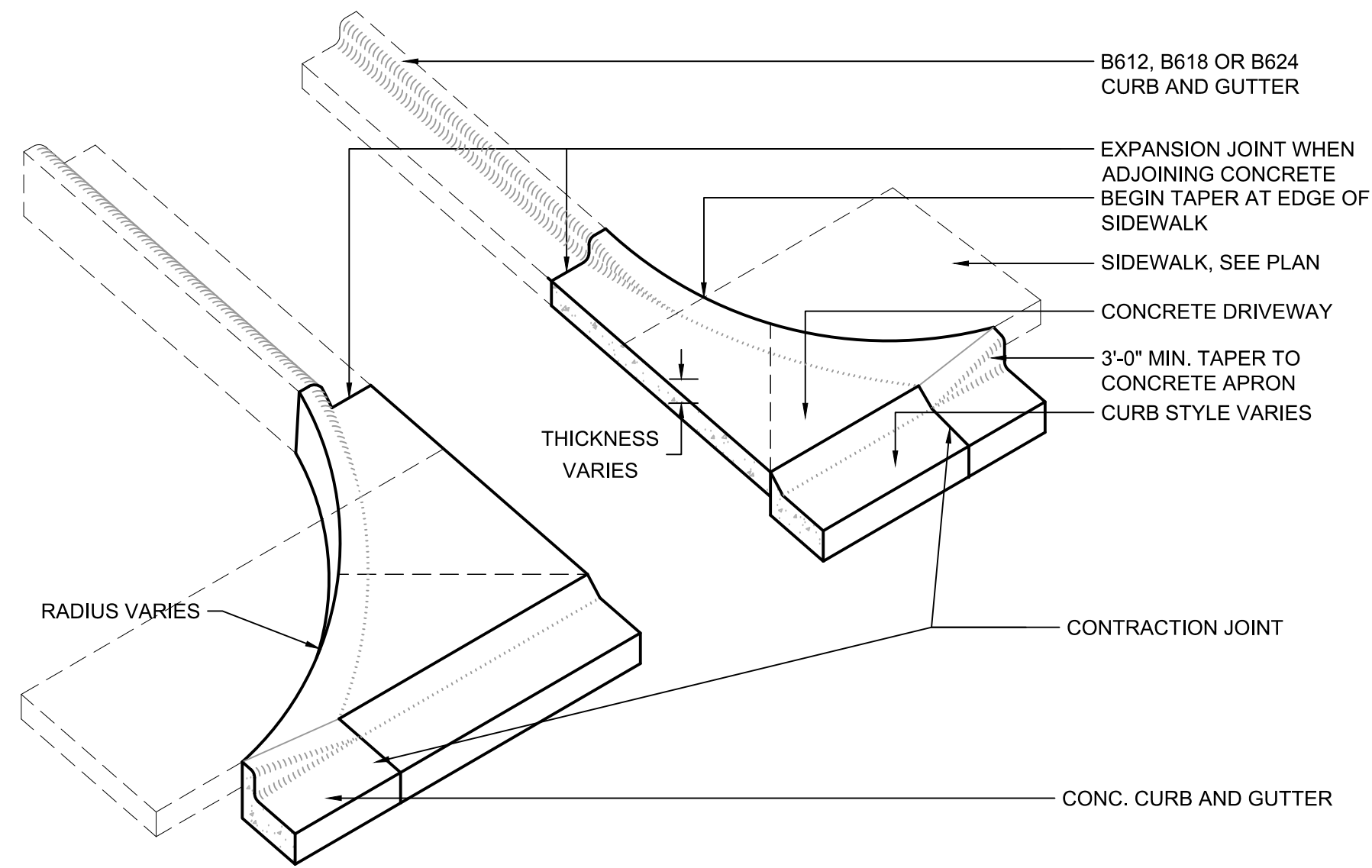
CONCRETE SIDEWALK SECTION
SCALE: NONE



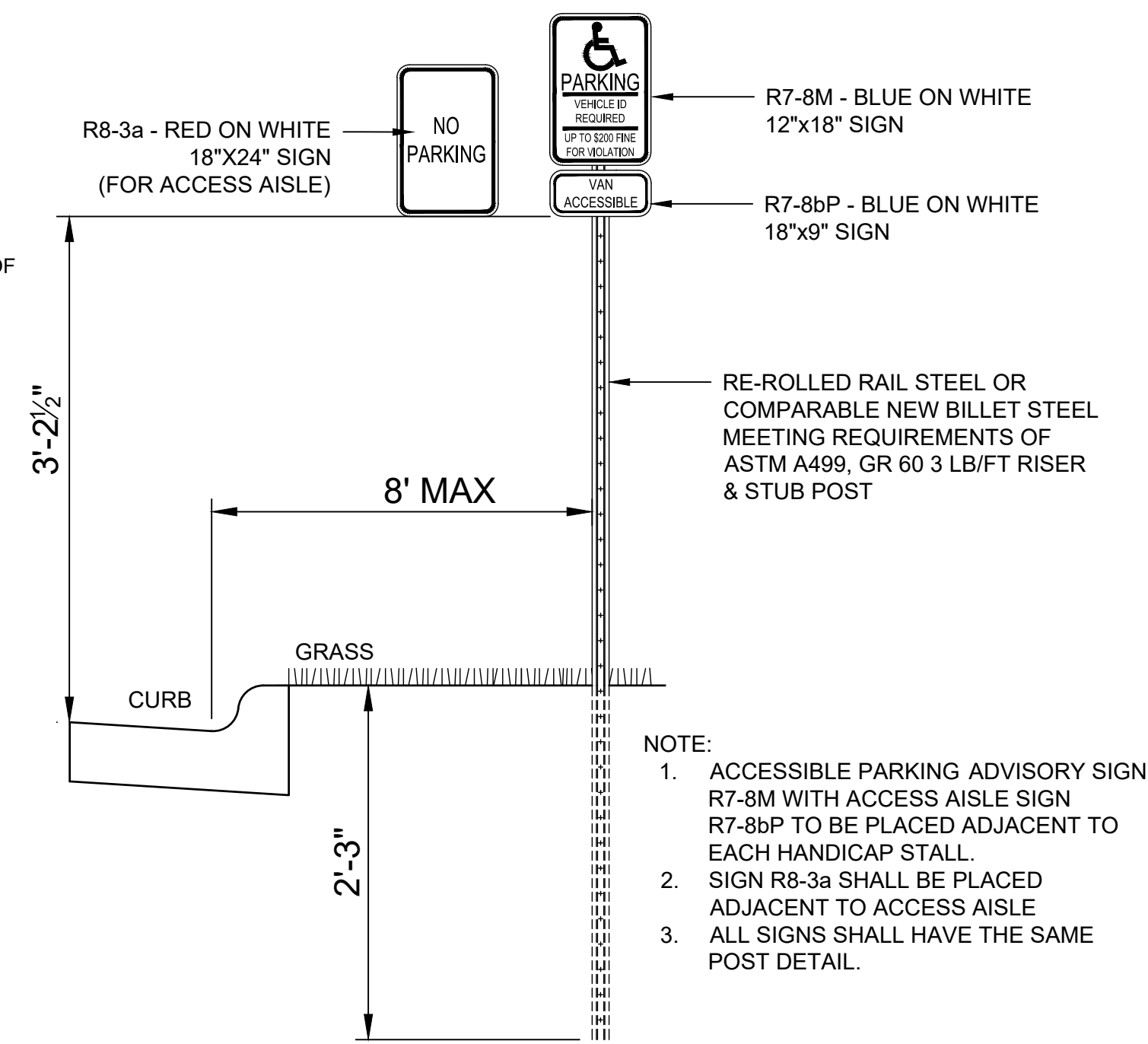
REINFORCED CONCRETE PAVEMENT SECTION
SCALE: NONE



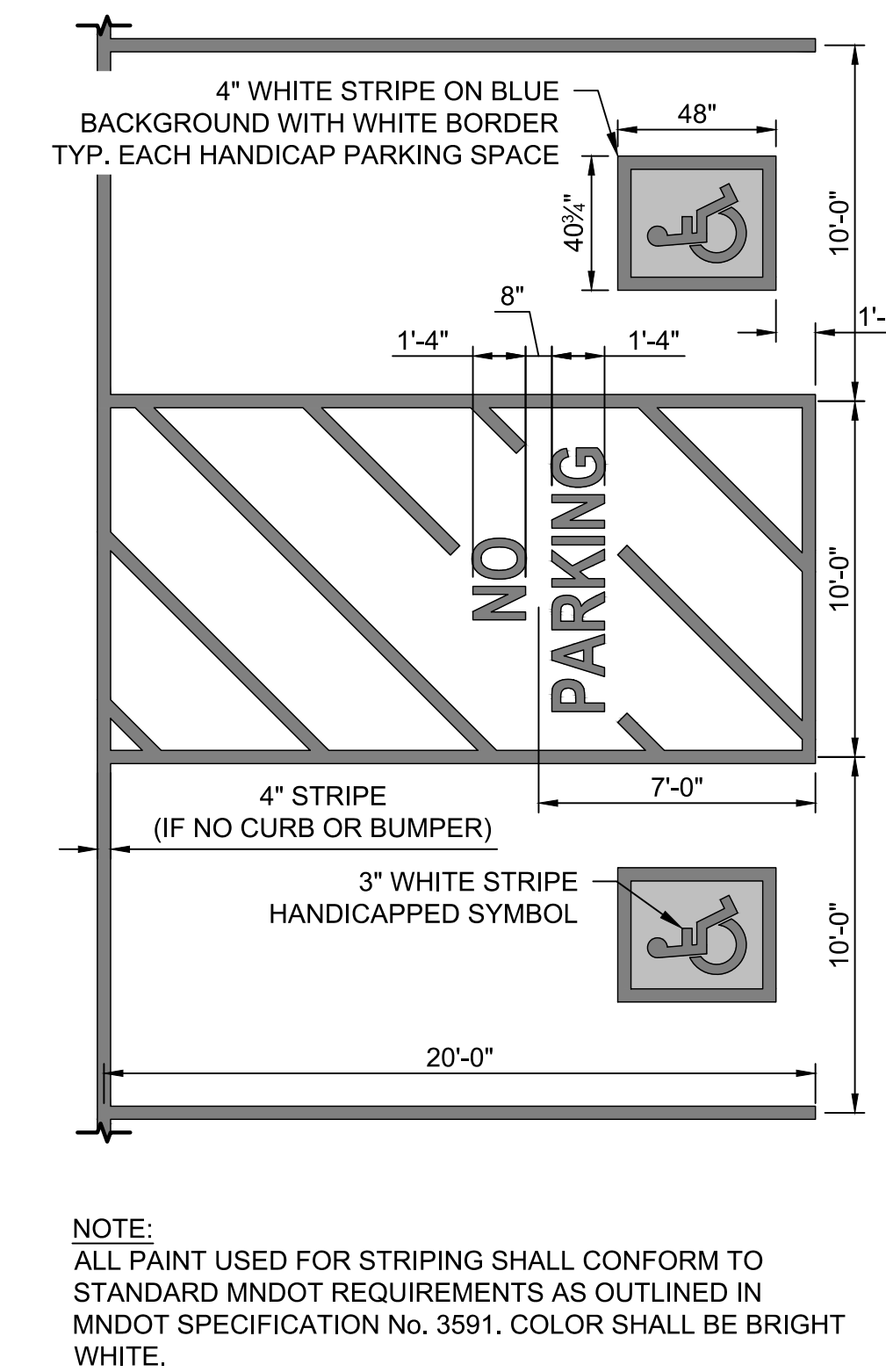
TYPICAL SIDEWALK DETAIL
SCALE: NONE



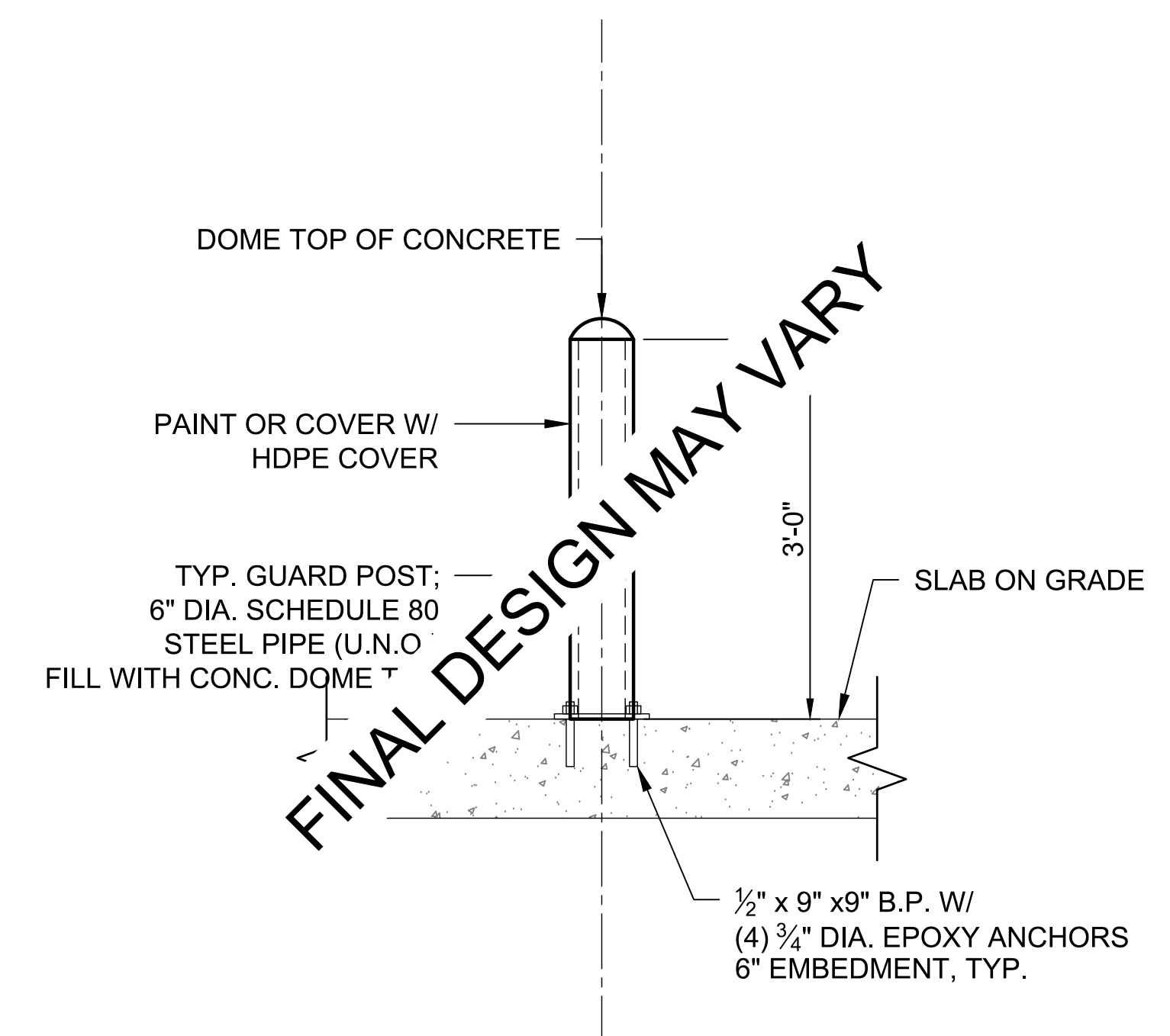
CONCRETE DRIVE APRON
SCALE: NONE



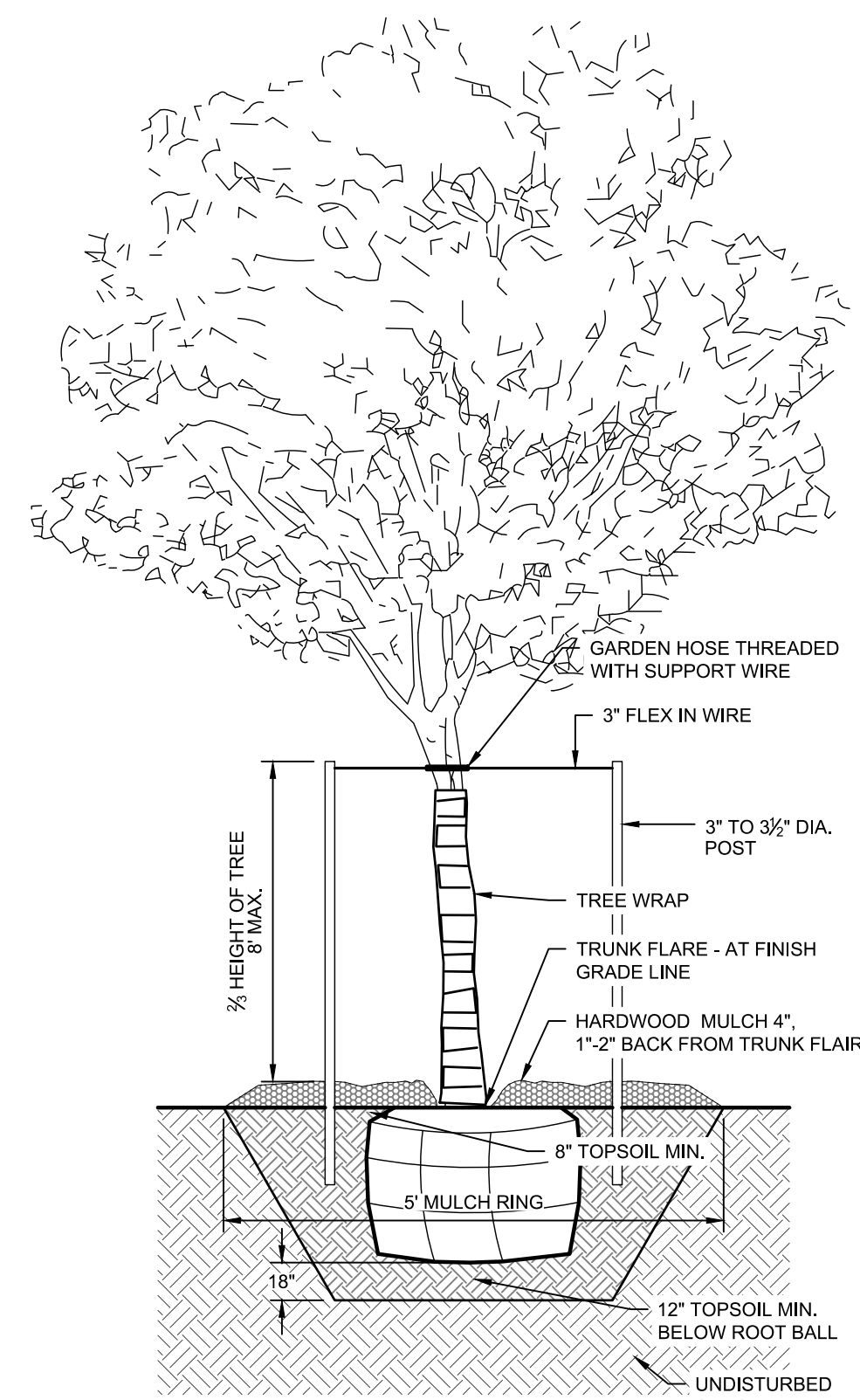
TYPICAL VAN ACCESSIBLE PARKING ADVISORY SIGN WITH POST DETAIL
SCALE: NONE



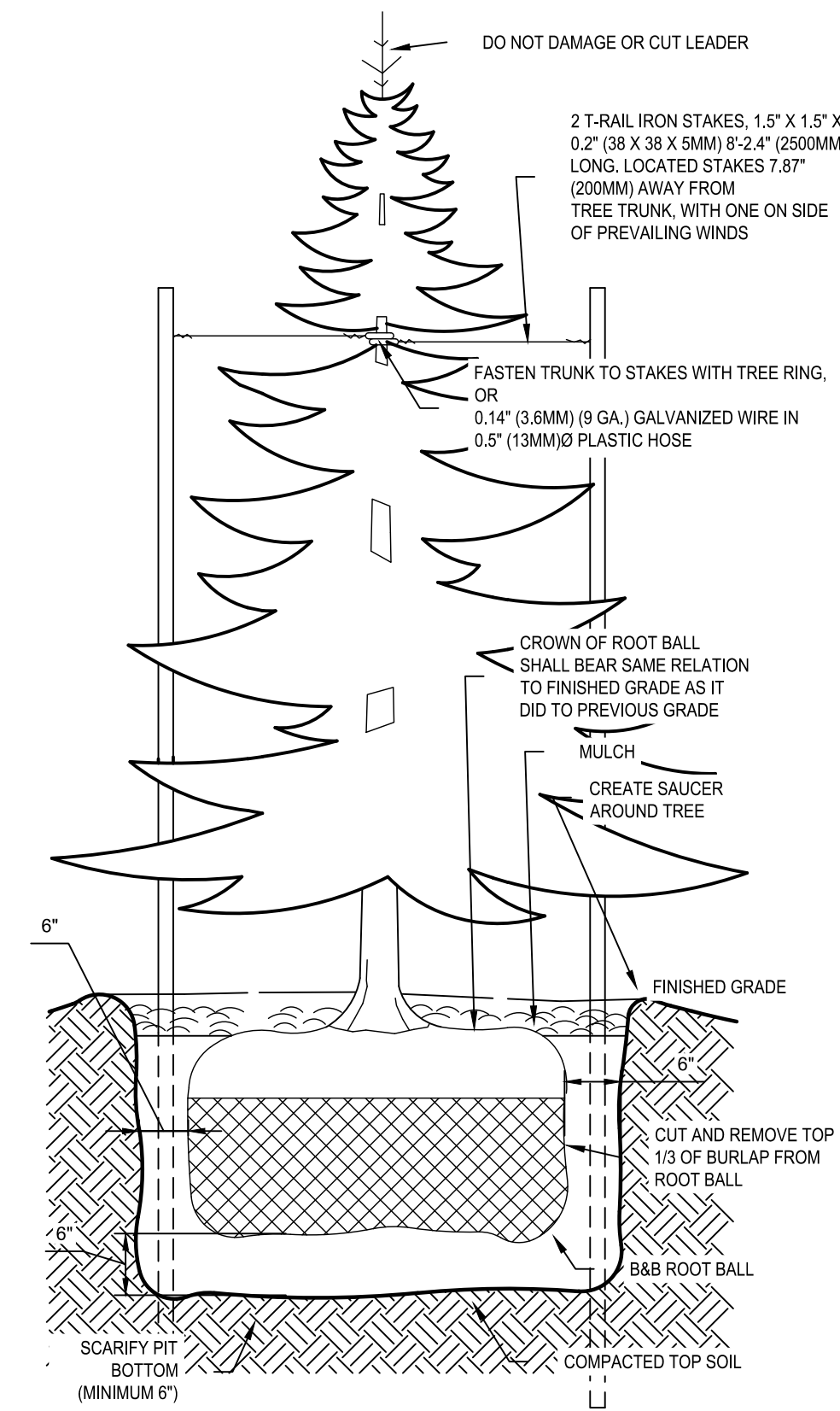
ACCESSIBLE STALL STRIPING DETAIL
SCALE: NONE



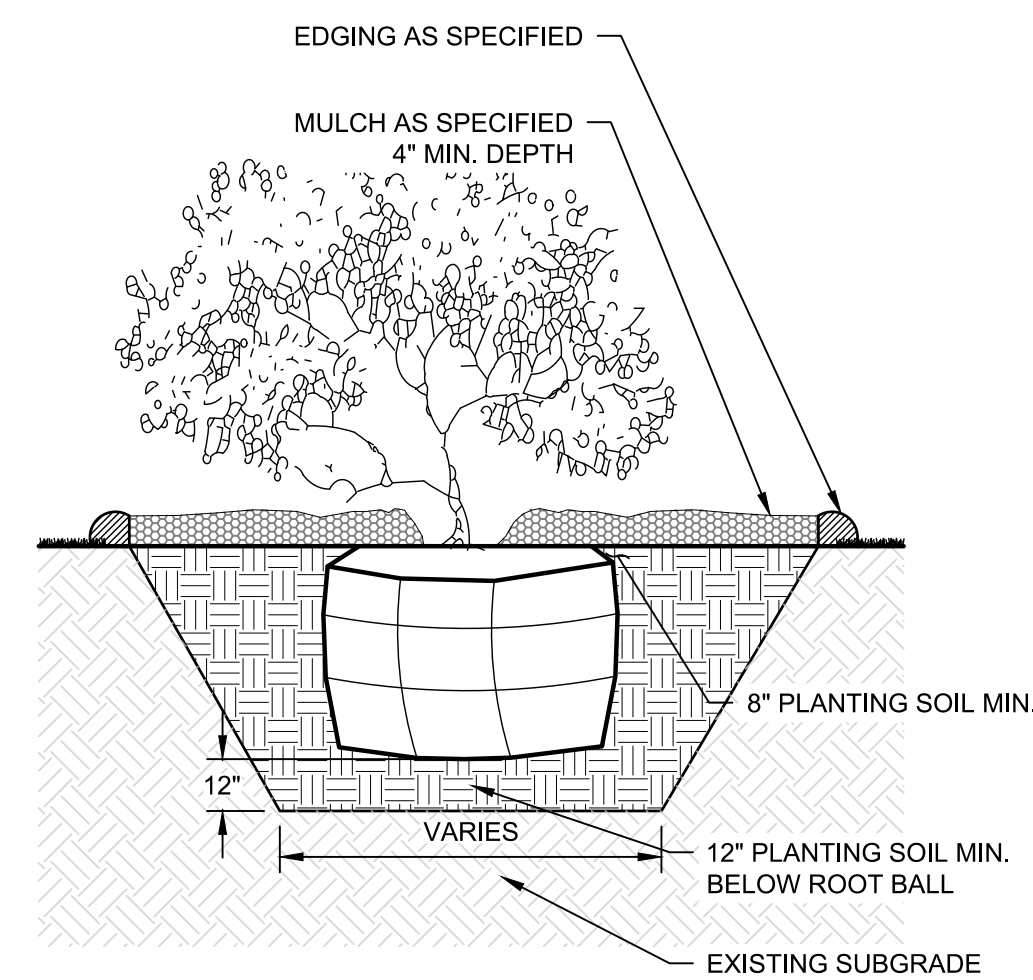
SURFACE MOUNTED BOLLARD DETAIL
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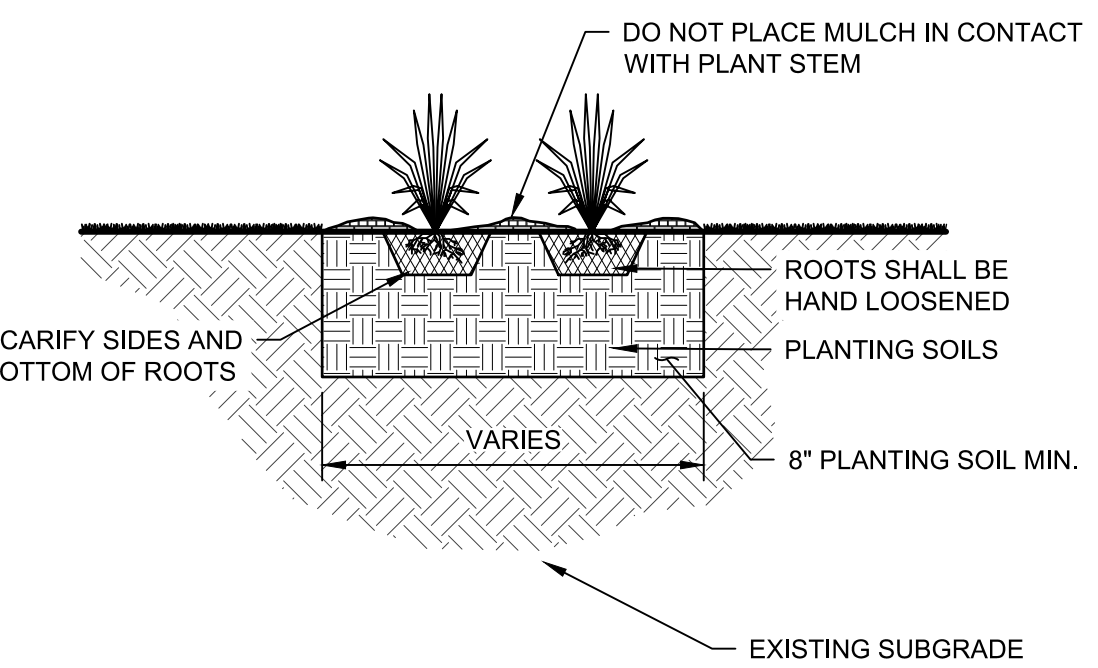
TREE PLANTING DETAIL
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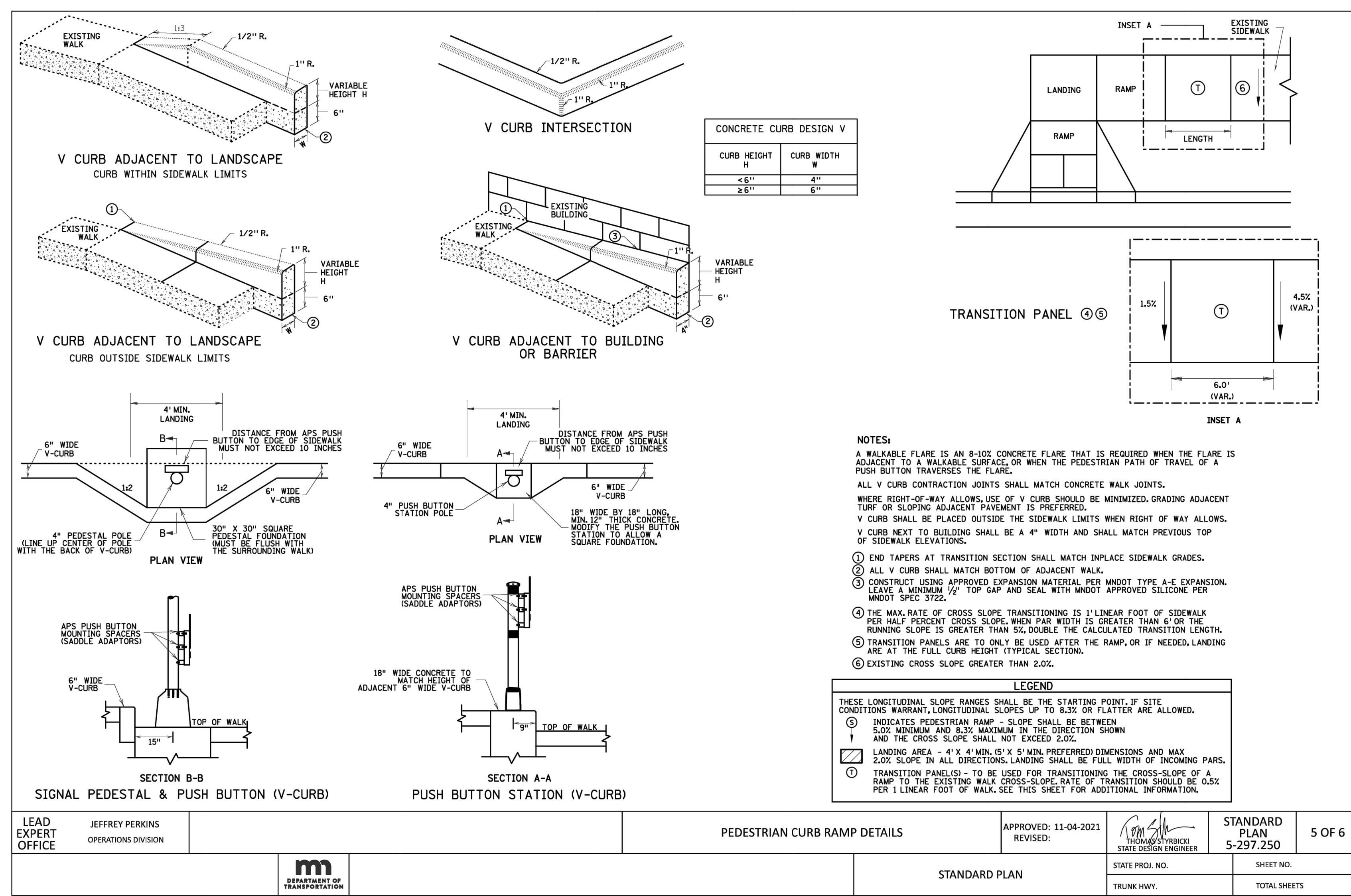
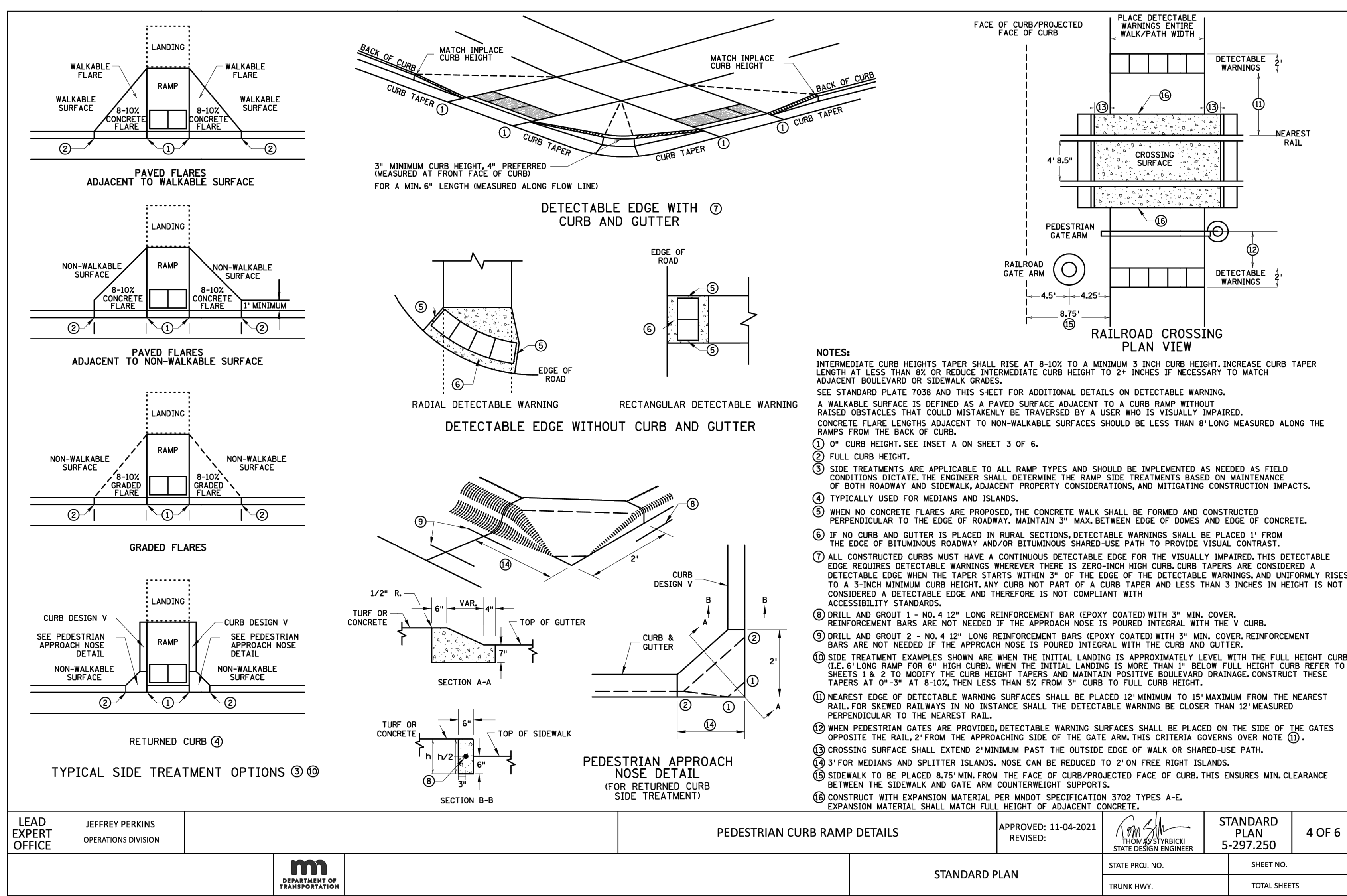
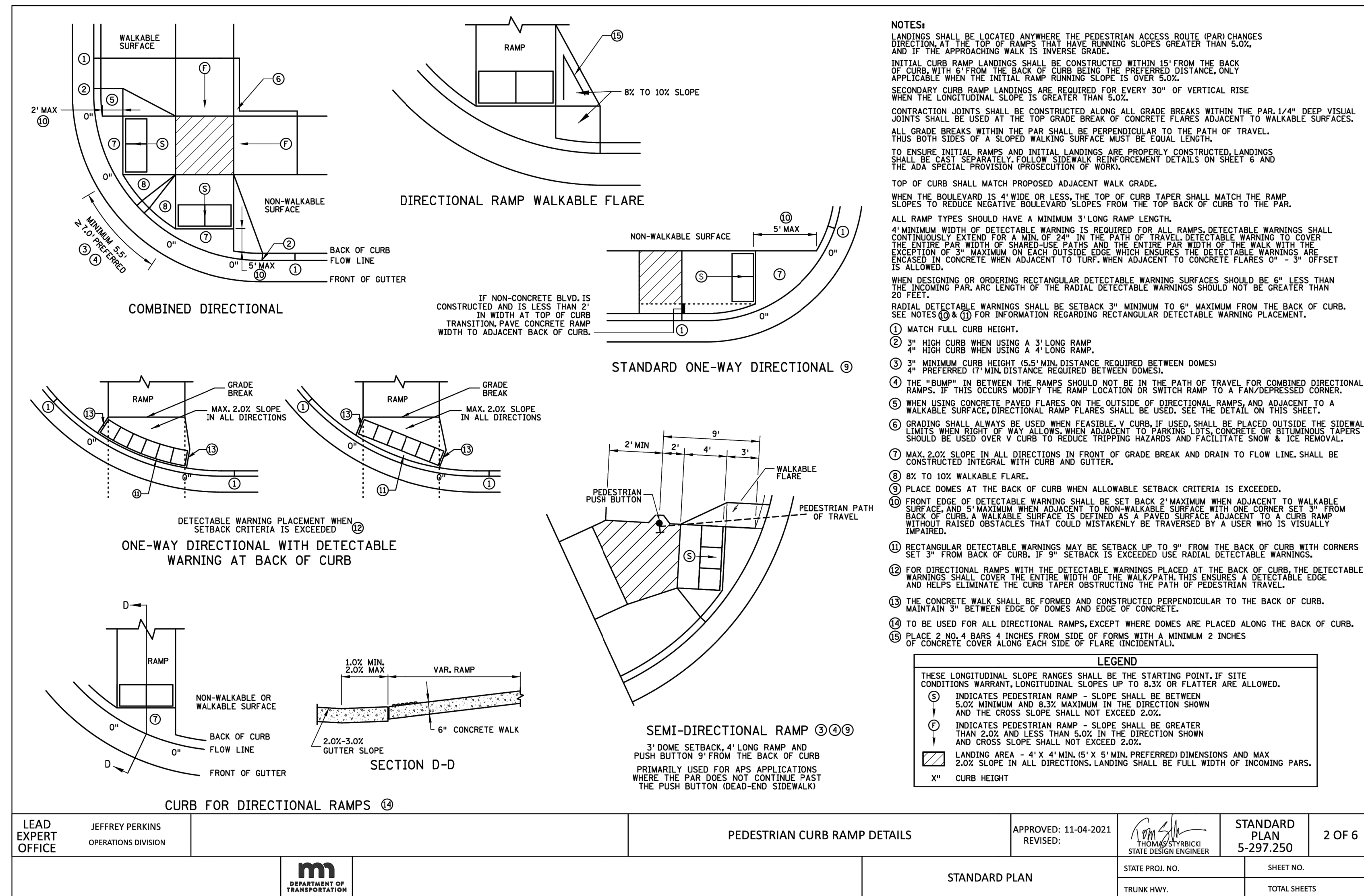
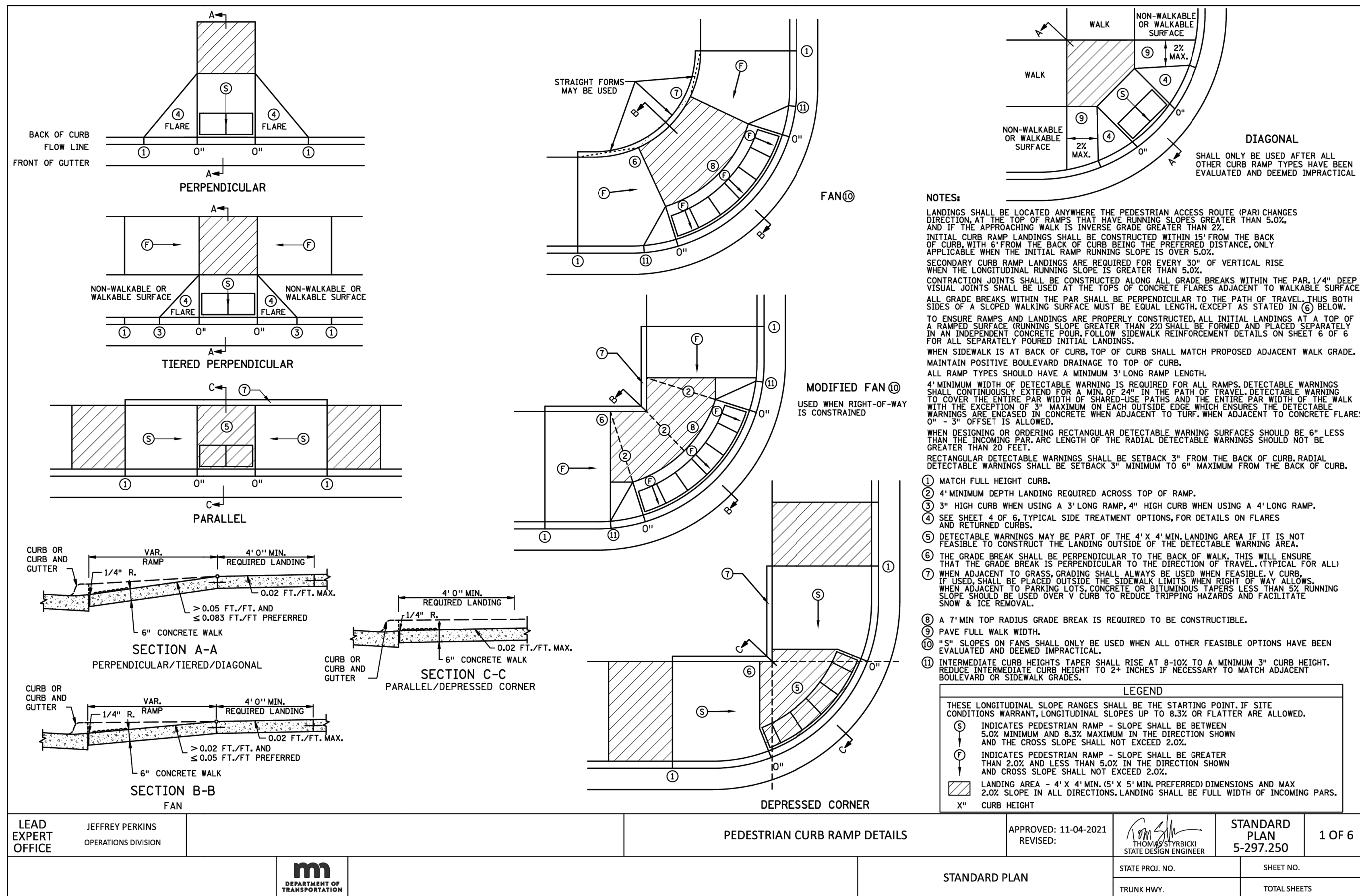
CONIFEROUS TREE PLANTING DETAIL
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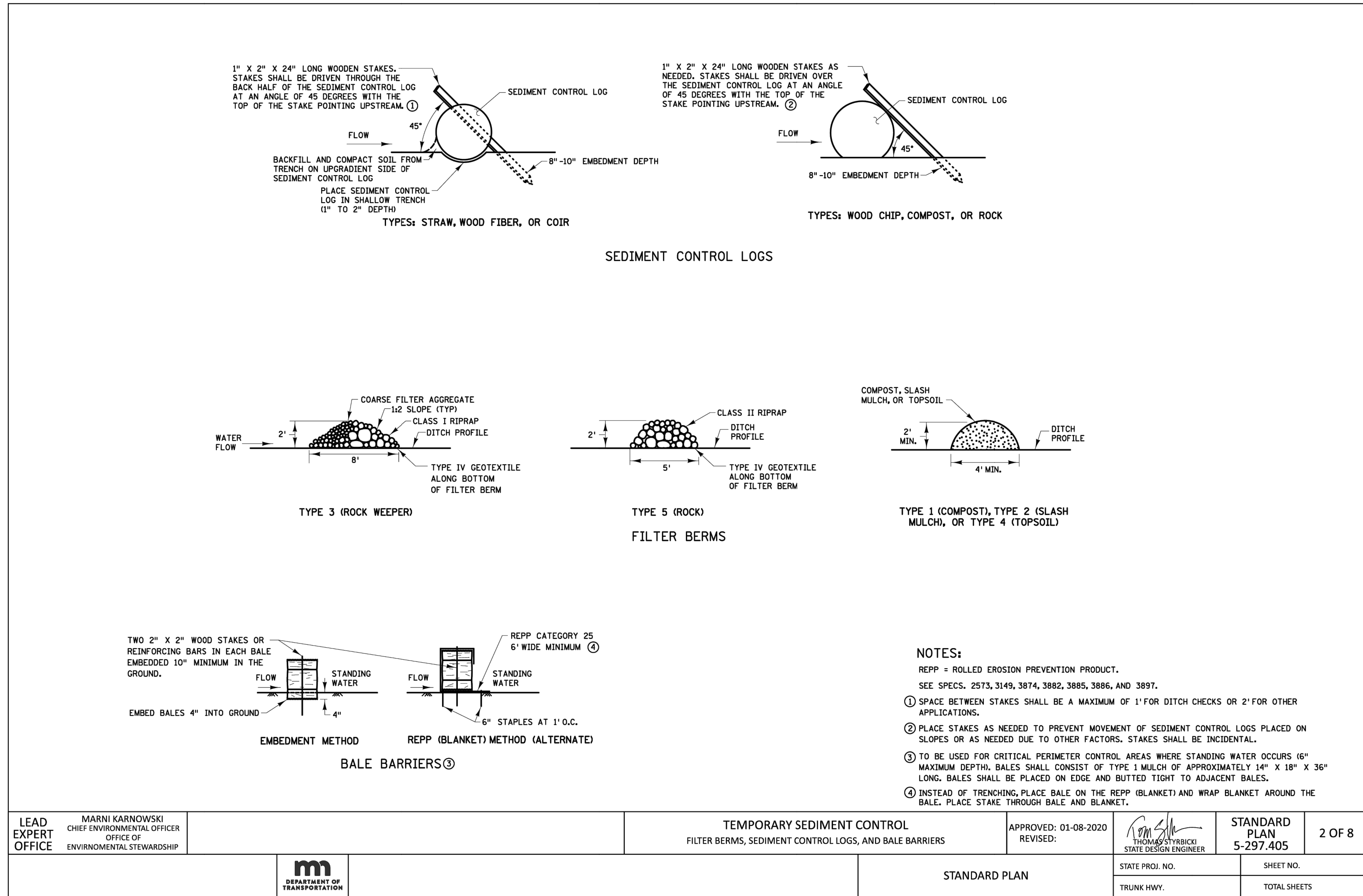


SHRUB PLANTING DETAIL
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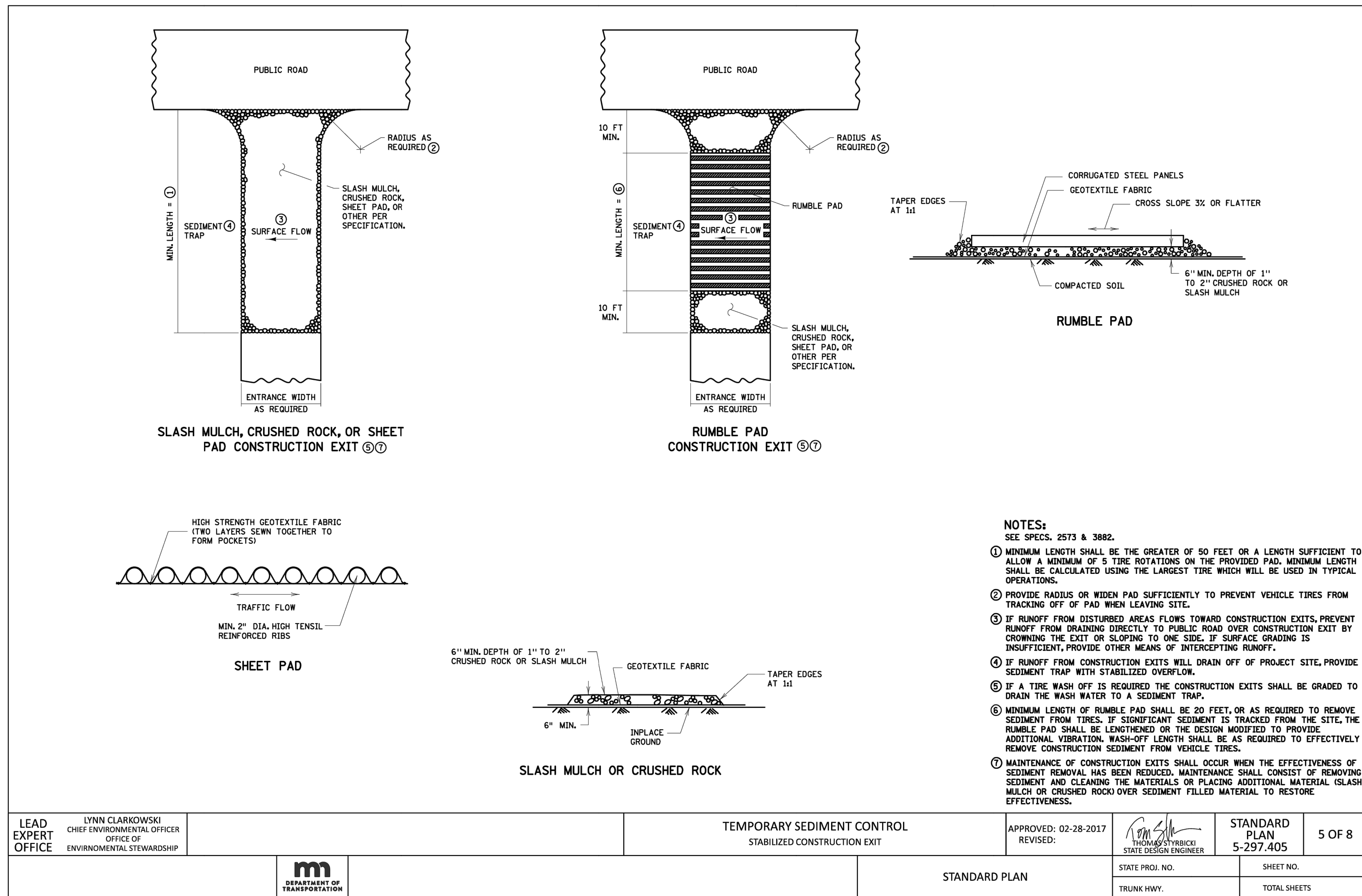


PERENNIAL PLANTING DETAIL
SCALE: NONE

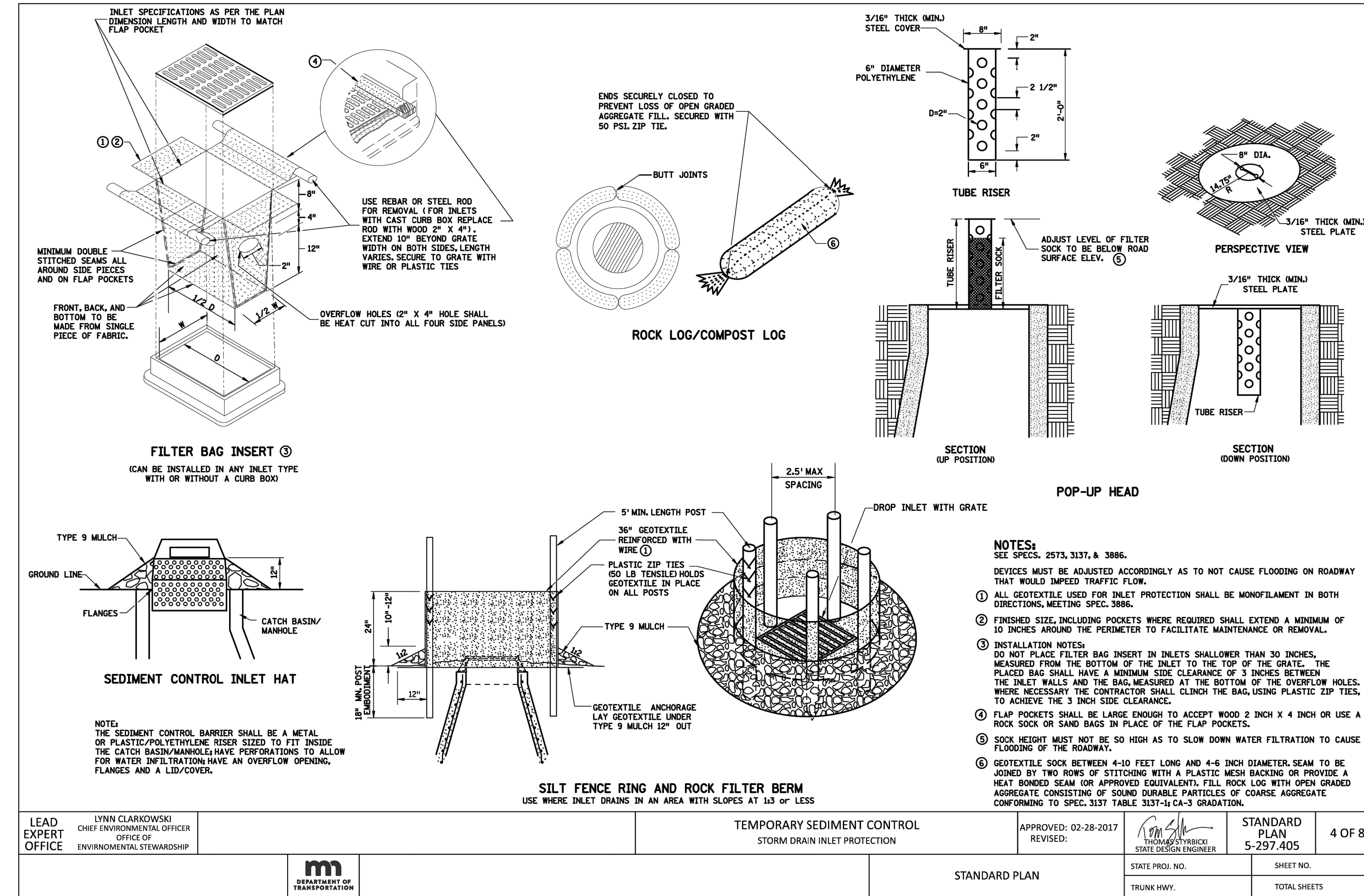




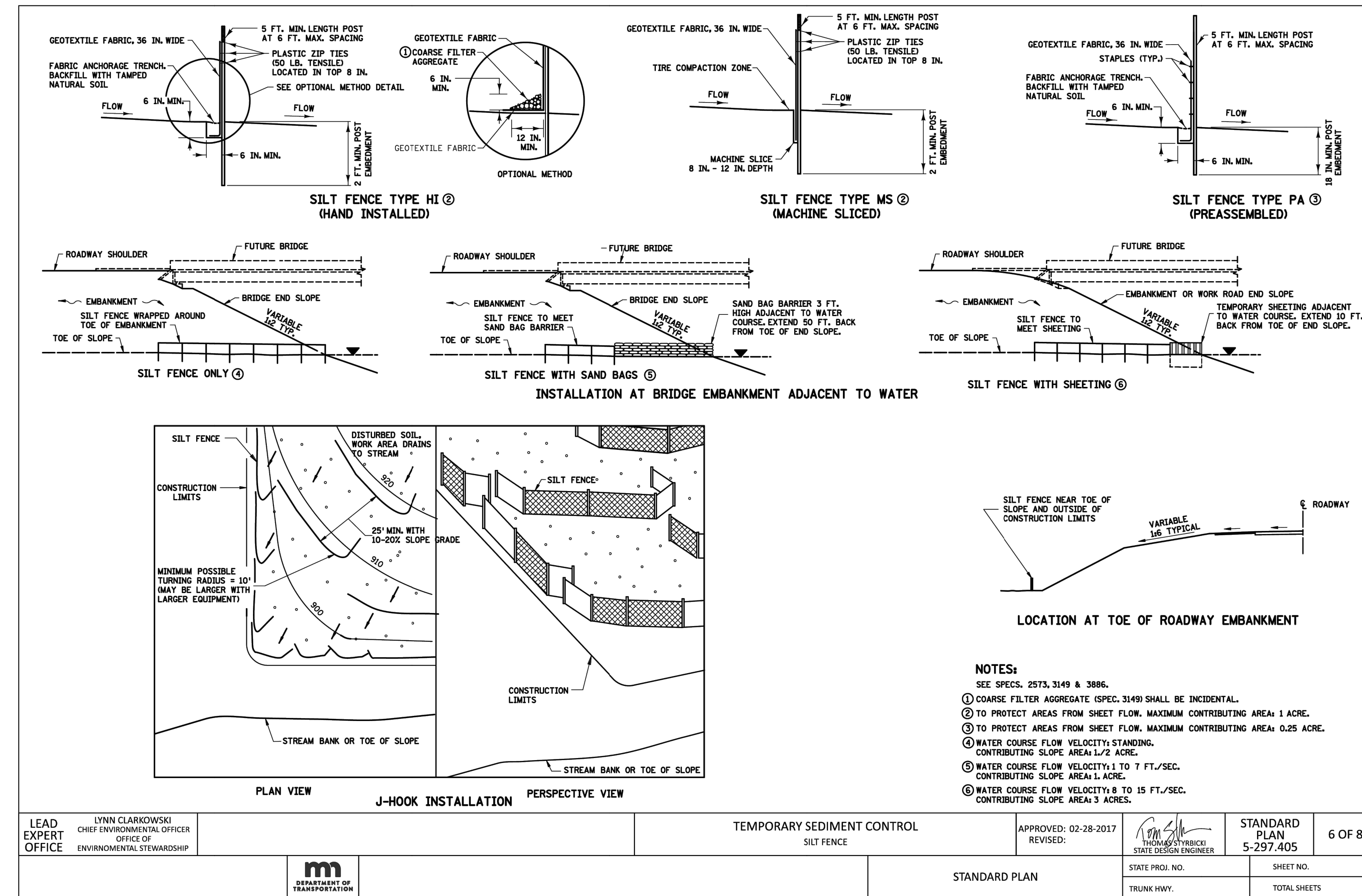
LEAD EXPERT OFFICE	MARN KARNOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	TEMPORARY SEDIMENT CONTROL FILTER BERMS, SEDIMENT CONTROL LOGS, AND BALE BARRIERS	APPROVED: 01-08-2020 REVISED:	STANDARD PLAN 5-297.405	2 OF 8
STATE PROJ. NO. TRUNK HWY.			SHEET NO. TOTAL SHEETS		



LEAD EXPERT OFFICE	LYNN CLARKOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	TEMPORARY SEDIMENT CONTROL STABILIZED CONSTRUCTION EXIT	APPROVED: 02-28-2017 REVISED:	STANDARD PLAN 5-297.405	5 OF 8
STATE PROJ. NO. TRUNK HWY.			SHEET NO. TOTAL SHEETS		



LEAD EXPERT OFFICE	LYNN CLARKOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	TEMPORARY SEDIMENT CONTROL STORM DRAIN INLET PROTECTION	APPROVED: 02-28-2017 REVISED:	STANDARD PLAN 5-297.405	4 OF 8
STATE PROJ. NO. TRUNK HWY.			SHEET NO. TOTAL SHEETS		



LEAD EXPERT OFFICE	LYNN CLARKOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	TEMPORARY SEDIMENT CONTROL SILT FENCE	APPROVED: 02-28-2017 REVISED:	STANDARD PLAN 5-297.405	6 OF 8
STATE PROJ. NO. TRUNK HWY.			SHEET NO. TOTAL SHEETS		

GENERAL CONSTRUCTION ACTIVITY

Project Name: **ESSENTIA HEALTH MUSCULOSKELETAL CENTER - BAXTER**

Project Location (address/city, township/county, lat/long):
City of Baxter, MN (Crow Wing County)

Project Description (type of construction, phases, timelines, potential for sediment/pollutant discharge):

This project includes the redevelopment of an existing site for a proposed healthcare center. The existing site includes a 119,190 square-foot building, parking lot, storm water detention basins, adjacent wetlands, and other urban infrastructure. The proposed project will include reconstructing the building as well as parking lot improvements.

The overall grading and storm water runoff will remain relatively unchanged. Runoff will be directed to existing storm water basins and eventually adjacent wetlands and municipal storm sewer.

Seeding, mulch, and fertilizer will be used for temporary and permanent stabilization. Flocculants and other chemicals are not anticipated to be used on this project.

Total acres of disturbed area = 10.0 acres
Pre-construction acres of impervious surface = 9.5 acres
Post-construction acres of impervious surface = 9.2 acres
Total new acres of impervious surface = -0.3 acres (net decrease)

RECEIVING WATERS

This project does not include any impaired or special waters within one mile of the project area. However, Nokasippi River and adjacent wetlands have the potential to receive storm water runoff. This project will not require a permanent storm water management system but will include temporary and permanent methods to minimize erosion and sedimentation.

Wetland areas will be protected with double row silt protection, which may include silt fence, bioroll, or earthen berms. Drainage ditches and construction exits will be established where needed. All disturbed areas will be covered with turf (seed, mulch, and fertilizer).

PROJECT CONTACTS

Owner: Essentia Health
Contact Name: Jeremy Schwarze, PE
Address: 704 E Howard St
Phone: 218-274-6058
Email: jeremy.schwarze@widseth.com
UMN Erosion and Stormwater Management Design of Construction SWPPP certification - expires May 31, 2027

Site Manager / Contractor's Erosion Control Supervisor:
Name: Dale Sovo
Training Dates: 218-318-3934
Instructor(s): dale.sovo@state.mn.us
Content/Hours:

BMP Installer:
Name: State Duty Officer
Training Dates: 800-422-0798
Instructor(s): 651-649-5451
Content/Hours:

Other:
MPCA
Dale Sovo
218-318-3934
dale.sovo@state.mn.us

SOILS INFORMATION:

According to the NRCS Web Soil Survey, soils on site primary consist of D53B Lougee-Barber-Guida complex (0-6% slopes) and D70A Barber-Urban land complex (0-3% slopes).

CONSTRUCTION PRACTICES TO MINIMIZE STORM WATER AND OTHER POLLUTANT CONTAMINATION:

- Each contractor on site is individually responsible for maintaining a clean and safe work environment.
- Stockpiles should be constructed away from slopes and natural drainage ways and have sediment controls at the base.
- Collected solid waste, sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction demolition debris, and other wastes must be disposed of properly and must comply with MPCA disposal requirements.
- No construction materials can be buried on site.
- Licensed sanitary waste management handler must dispose of sanitary waste.
- Fertilizers must be stored in covered locations.
- Restricted access to chemical storage areas must be provided to prevent vandalism.
- All chemicals must be stored in locked containers when not in use.
- Oil, gasoline, paint, and other hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks, or other discharges.
- Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
- Vehicles must be monitored for leaks and preventative maintenance scheduled.
- Spill kits must be available during equipment fueling and maintenance operations.
- External washing of construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed on site.
- Asphalt substances must be applied according to manufacturers recommendations.
- Spray guns must be cleaned on removable surfaces such as tarpaulins.
- Contractor/ECS must make a spill response plan before the application of any chemical that may be harmful to the environment.
- All spills must be reported immediately. Spill clean-up materials must be available on site. Material shall include but not limited to brooms, mops, rags, gloves, absorbent material, sand, plastic and metal containers. Spills that reach storm sewer conveyance systems connected to public waters must be immediately reported to the State Duty Officer.
- Contractor must control weeds on the entire project site.
- Form release oil must be applied over a pallet covered with absorbent material to collect excess fluid. The absorbent material shall be replaced when saturated.
- Dust control must be provided as conditions warrant.
- If this project is not stabilized before winter conditions, it shall be the contractor's responsibility to ensure sediment does not reach public waters. A written plan of this activity shall be presented to the engineer one month prior before expected project shut-down for the season occurs. This plan shall include dates of BMP employment, duration of BMPs employed, and schedule of subsequent BMPs employed.
- All liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. The liquid and solid wastes must not contact the ground and not runoff from the concrete washout operations area. A sign must be installed adjacent to the washout facility to inform concrete equipment operators to utilize the proper facilities.

SWPPP AMENDMENTS:

- _____
- _____
- _____
- _____
- _____

EROSION CONTROL SUPERVISOR REQUIREMENTS:

The contractor must identify an Erosion Control Supervisor (ECS) who is knowledgeable and experienced in the application of erosion and sediment control Best Management Practices (BMPs). The ECS must work with the contractor to oversee and implement the SWPPP and the installation, inspection, and maintenance of erosion and sediment control BMPs before, during, and after construction.

The contractor/ECS is required to comply with all applicable training requirements of the NPDES permit. The permittee(s) shall ensure that employees are properly trained with certification proof. The contractor/ECS shall develop a chain of responsibility with all operators on the site to ensure that the SWPPP will be implemented and stay in effect until the project site has undergone permit termination.

The contractor/ECS must routinely inspect the entire construction site at least once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inch in 24 hours. The contractor/ECS shall take immediate action to eliminate any deficiencies found during these inspections. Inspections, maintenance, and documentation must be in accordance with the NPDES permit. Copies of the inspection records must be submitted to the engineer.

The contractor/ECS must amend the SWPPP as necessary to include additional requirements, such as additional or modified BMPs, designed to correct problems or address situations in accordance with the NPDES permit. The contractor shall have a petroleum release plan and have all necessary materials on hand to implement the plan. All employees shall be trained in implementation of the plan. The MPCA must be informed of any petroleum spills greater than five gallons.

TMDL IMPLEMENTATION PLANS CONTAINING STORM WATER REQUIREMENTS:

No TMDL Implementation Plans are currently available for the project's receiving waters.

LONG TERM MAINTENANCE:

Long term maintenance of the permanent storm water management system will be performed by the owner. Sedimentation basins shall be inspected and maintained annually and cleaned and restored to design grade after one half the storage volume has been filled with sediment. Inlets and outlets shall be monitored and repaired for any erosion or defects that may develop.

SEDIMENT AND EROSION CONTROL PRACTICES:

The contractor/ECS is responsible for the sediment and erosion control practices contained in the NPDES permit. Sediment control practices must be installed on all down gradient perimeters before any up gradient land disturbing activities begin. These practices must remain in place until Permit Termination Conditions have been established.

The timing of installation of sediment control practices may be adjusted to accommodate short-term activities, such as clearing and grubbing or passage of vehicles. Short-term activities must be completed as quickly as possible, and practices must be installed immediately after the activity is completed. However, these practices must be installed before the next precipitation event even if the activity is not complete.

Temporary sediment control devices for this project will primarily include the following:

- Silt fence for primary perimeter control
- Biorolls for secondary perimeter control
- Storm drain inlet protection
- Stabilized construction exits

The contractor/ECS must plan for, and implement, appropriate construction phasing, vegetative buffer strips, horizontal slope grading, and other construction practices that minimize erosion. The location of areas not to be disturbed must be delineated (marked) on site prior to construction.

All disturbed/exposed soil areas must be stabilized as soon as possible to limit soil erosion but in no case later than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

Temporary erosion control shall consist of the following:

- Seed mixture 21-111 at 100 lbs per acre
- Fertilizer type 1 (10-10-20) at 200 lbs per acre
- Mulch type 1 at 2 tons per acre

All storm drain inlets must be protected by appropriate BMPs during construction until all sources with potential for discharging to the inlet have been stabilized. Inlet protection may be removed if a specific safety concern has been identified and the procedure as described in the NPDES permit is followed.

Temporary soil stockpiles must have silt fence or other effective sediment controls and cannot be placed in surface waters, including storm water conveyances such as curbs and gutter systems or ditches.

Vehicle tracking of sediment from the construction site must be minimized by BMPs such as stone or wood chip pads, concrete or steel wash racks, or equivalent systems. Street sweeping with collection must be used if such BMPs are not adequate to prevent sediment tracking.

Dewatering related to the construction activity must comply with the NPDES permit. Dewatering discharge that may have turbid or sediment laden discharge must be discharged to a temporary or permanent sedimentation basin on the project site whenever possible, and BMPs must be implemented to prevent water containing sediment or other pollutants from being discharged to surface waters or downstream properties.

Contractor may construct temporary sedimentation basins in accordance with the NPDES permit.

The normal wetted perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site, or diverts water around the construction site, must be stabilized within 200 lineal feet from the property edge or from the discharge into any surface water. Stabilization must be completed within 24 hours after connecting to surface water.

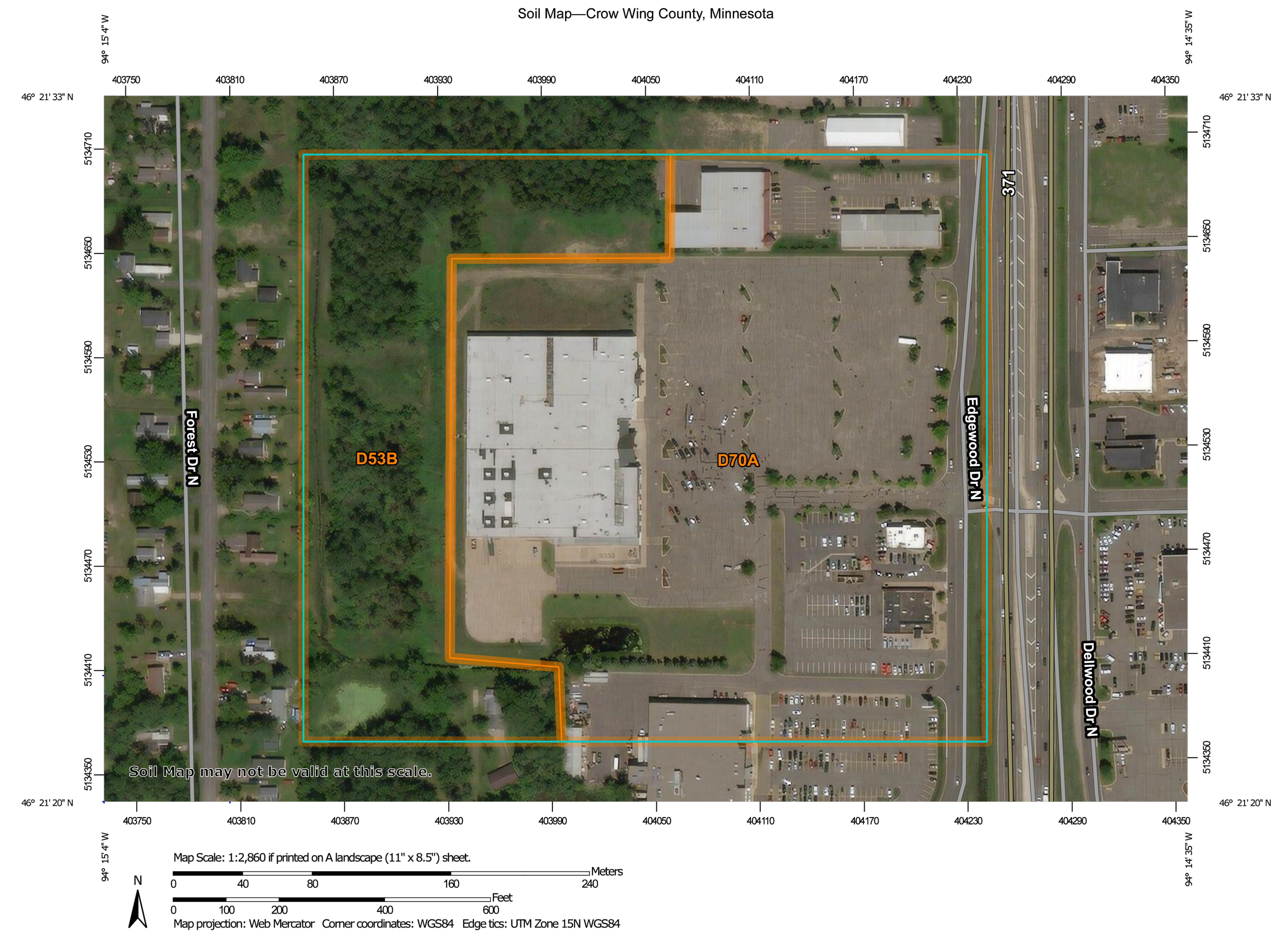
Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours after connecting to a surface water.

Permanent erosion control shall consist of the following:

- Seed mixture 25-131 at 220 lbs per acre
- Fertilizer type 1 (20-10-20) at 350 lbs per acre
- Mulch type 1 at 2 tons per acre

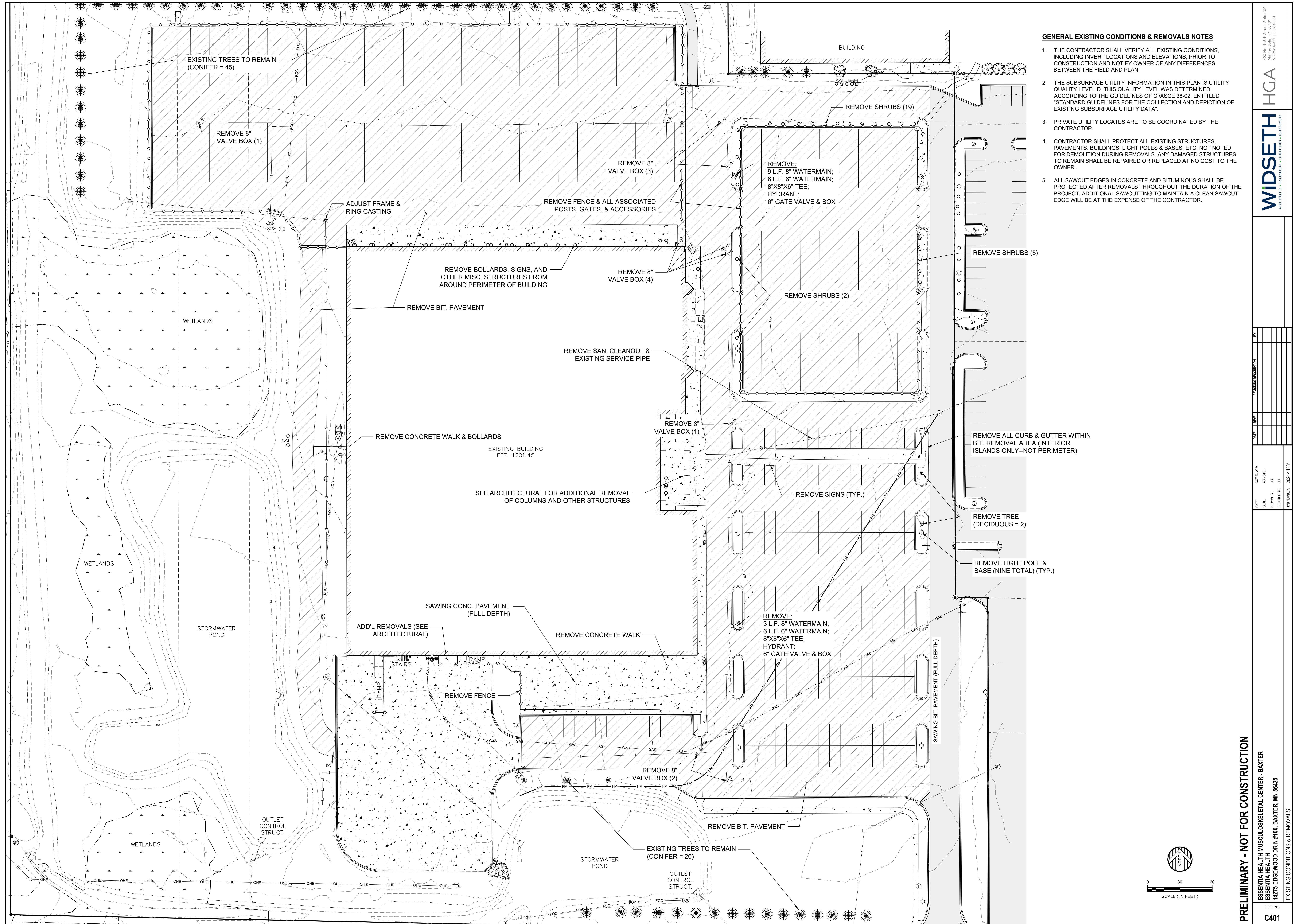
SUMMARY OF OTHER SWPPP REQUIREMENTS IN PROJECT PLANS		
DESCRIPTION	SHEET NAME	SHEET NUMBER
Construction limits and project phasing	GRADING PLAN	C601
Existing and final grades, direction of flow	EROSION CONTROL PLAN	C701
Locations of impervious surfaces	SITE PLAN	C501
Standard erosion control construction details	CIVIL DETAILS	C204
Locations and types of all temp. and perm. erosion prevention and sediment control BMPs	EROSION CONTROL PLAN	C701
Estimated quantities of erosion control items	EROSION CONTROL PLAN	C701

WEB SOIL SURVEY MAP



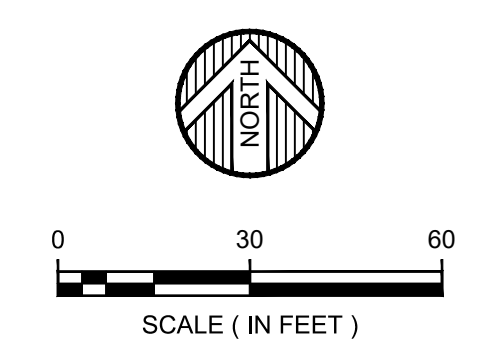
SPECIAL/IMPAIRED WATERS SEARCH

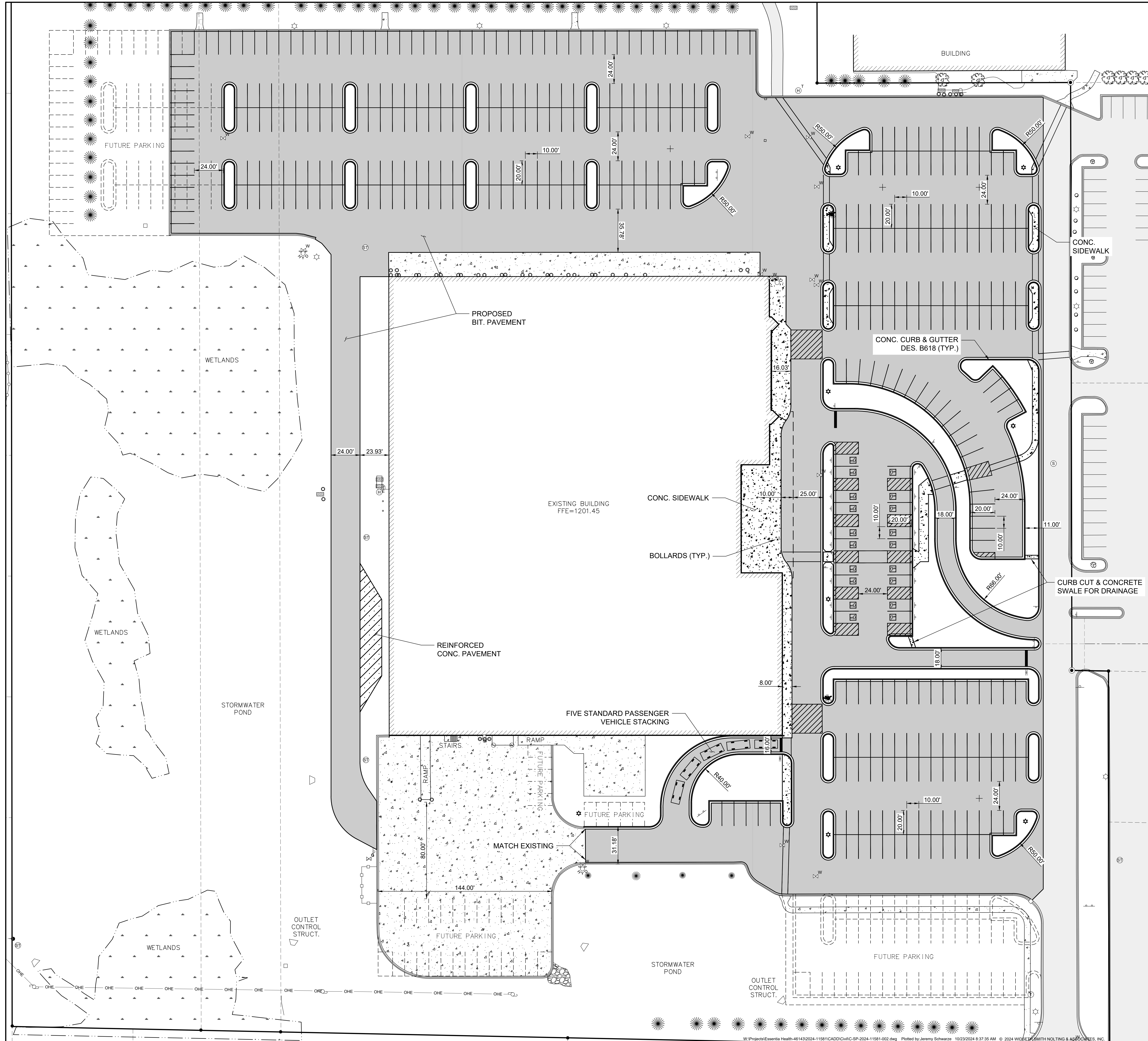
Map interface for finding special waters near discharge. Includes search bar, search results, and map view.



- GENERAL EXISTING CONDITIONS & REMOVALS NOTES**
1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING INVERT LOCATIONS AND ELEVATIONS, PRIOR TO CONSTRUCTION AND NOTIFY OWNER OF ANY DIFFERENCES BETWEEN THE FIELD AND PLAN.
 2. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
 3. PRIVATE UTILITY LOCATES ARE TO BE COORDINATED BY THE CONTRACTOR.
 4. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, PAVEMENTS, BUILDINGS, LIGHT POLES & BASES, ETC. NOT NOTED FOR DEMOLITION DURING REMOVALS. ANY DAMAGED STRUCTURES TO REMAIN SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
 5. ALL SAWCUT EDGES IN CONCRETE AND BITUMINOUS SHALL BE PROTECTED AFTER REMOVALS THROUGHOUT THE DURATION OF THE PROJECT. ADDITIONAL SAWCUTTING TO MAINTAIN A CLEAN SAWCUT EDGE WILL BE AT THE EXPENSE OF THE CONTRACTOR.

DATE	SCALE	AS NOTED	DATE	BY
OCT 23, 2024	AS NOTED	AS NOTED		
DRAWN BY: JDS	CHECKED BY: JDS			
JOB NUMBER: 2024-11581				





- GENERAL SITE PLAN NOTES**
1. THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMISSION/PERMITS FOR ALL WORK LOCATED OUTSIDE OF THE MUNICIPAL RIGHT-OF-WAY AND PROPERTY LIMITS.
 2. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL AND SHALL BE IN COMPLIANCE WITH THE MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL AND TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL.
 4. ALL RADII DIMENSIONS INDICATE THE BACK OF CURB, UNLESS OTHERWISE NOTED.
 5. ALL PEDESTRIAN WALKWAYS SHALL MEET ADA ACCESSIBILITY REGULATIONS.

PARKING CALCULATION TABLE

TOTAL BUILDING AREA (SF)	=	119,190
REQ'D PARKING STALLS (SEE WORKSHEET)	=	537
PARKING STALLS PROVIDED	=	398
HANDICAP STALLS PROVIDED	=	19
TOTAL STALLS PROVIDED	=	417
ADD'L STALLS (PROOF OF FUTURE SPACE)	=	123
TOTAL STALLS (WITH FUTURE SPACE)	=	540

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DATE	SCALE	AS NOTED	DATE	BY	DESCRIPTION
OCT 13, 2024	AS NOTED	DSB			
		DSB			
		DSB			
		DSB			

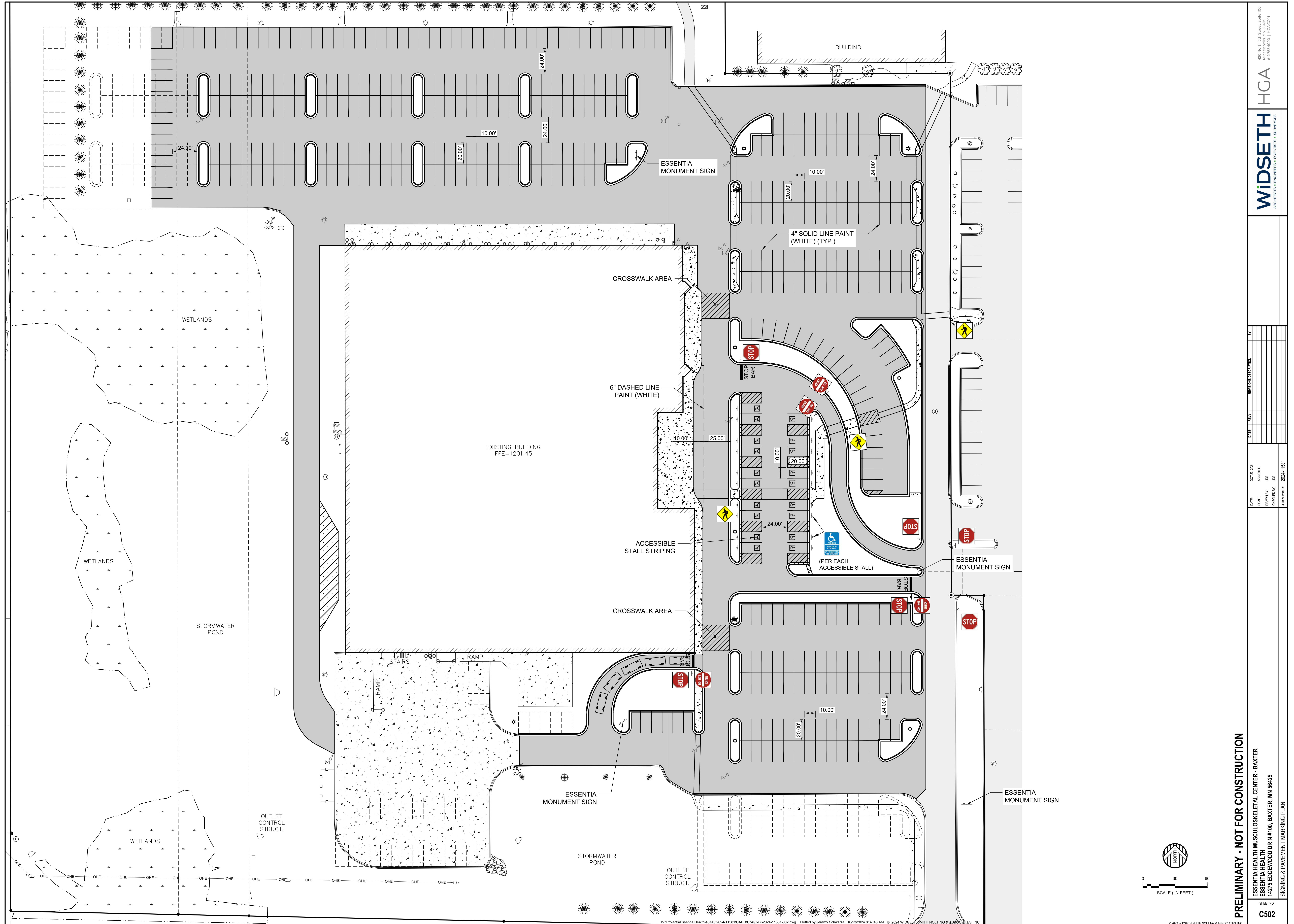
DATE: OCT 13, 2024
SCALE: AS NOTED
DRAWN BY: DSB
CHECKED BY: DSB
JOB NUMBER: 2024-11581

PRELIMINARY - NOT FOR CONSTRUCTION

ESSENTIA HEALTH MUSCULOSKELETAL CENTER - BAXTER
ESSENTIA HEALTH
14275 EDGEWOOD DR N #100, BAXTER, MN 56425

SHEET NO. **C501**

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SHEET NO.
C502

SIGNING & PAVEMENT MARKING PLAN

DATE: OCT 23, 2024
 SCALE: AS NOTED
 DRAWN BY: JDS
 CHECKED BY: JDS
 JOB NUMBER: 2024-11581

REVISION DESCRIPTION

BY

DATE

NO.

DATE

NO.

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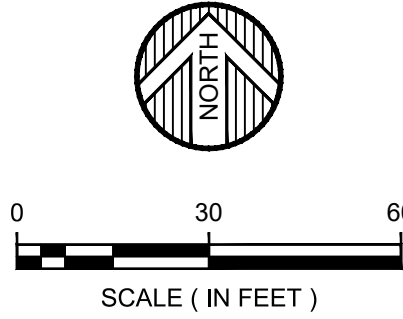
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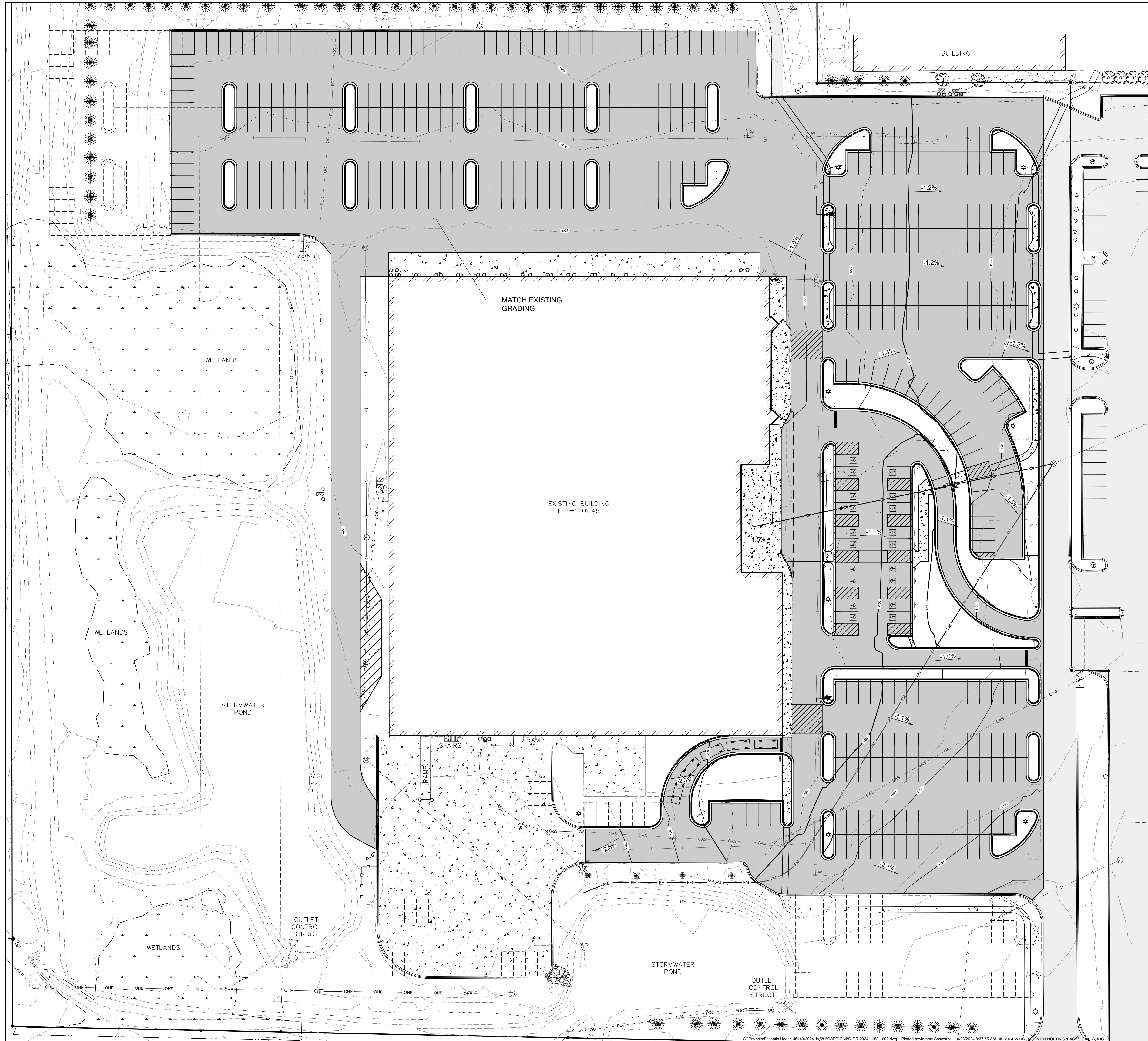
DATE

NO.

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- GENERAL GRADING PLAN NOTES**
1. ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
 2. HAULING HOURS MUST BE CONFIRMED WITH THE CITY PRIOR TO BEGINNING WORK.
 3. ALL SLOPES SHALL BE GRADED TO 4:1 (H:V) OR FLATTER, UNLESS OTHERWISE NOTED.
 4. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO BEGINNING SITE GRADING ACTIVITIES.

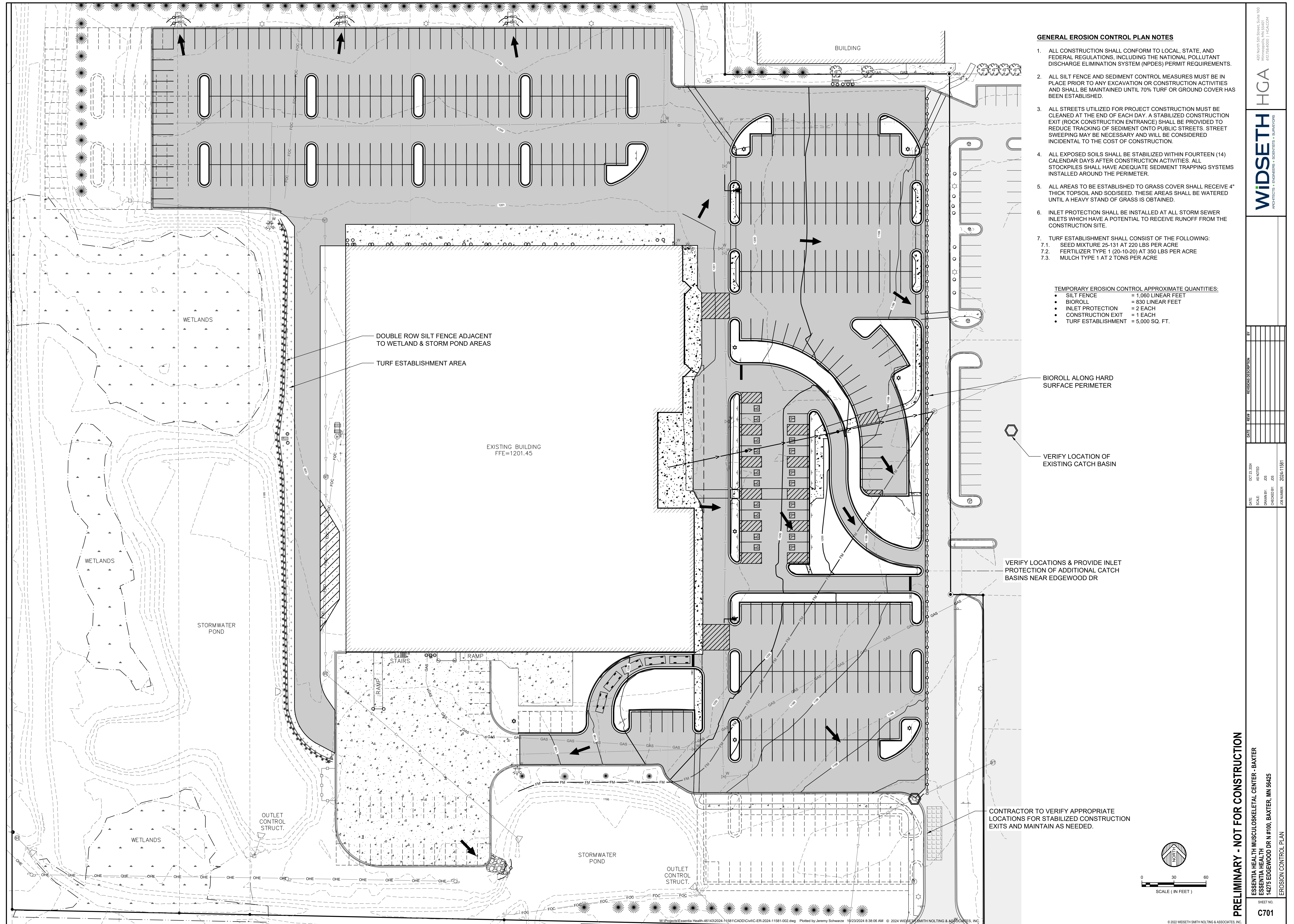
PRELIMINARY - NOT FOR CONSTRUCTION
 ESSENTIA HEALTH MUSCULOSKELETAL CENTER - BAXTER
 14275 EDGEWOOD DR N #100, BAXTER, MN 56425
 GRADING PLAN

DATE	SCALE	AS NOTED	DATE	BY
OCT 23, 2024	AS NOTED			
DRAWN BY: JDS	CHECKED BY: JDS			
JOB NUMBER: 2024-11581				

DATE	SCALE	AS NOTED	DATE	BY
OCT 13, 2024				

- GENERAL EROSION CONTROL PLAN NOTES**
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
 - ALL SILT FENCE AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITIES AND SHALL BE MAINTAINED UNTIL 70% TURF OR GROUND COVER HAS BEEN ESTABLISHED.
 - ALL STREETS UTILIZED FOR PROJECT CONSTRUCTION MUST BE CLEANED AT THE END OF EACH DAY. A STABILIZED CONSTRUCTION EXIT (ROCK CONSTRUCTION ENTRANCE) SHALL BE PROVIDED TO REDUCE TRACKING OF SEDIMENT ONTO PUBLIC STREETS. STREET SWEEPING MAY BE NECESSARY AND WILL BE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION.
 - ALL EXPOSED SOILS SHALL BE STABILIZED WITHIN FOURTEEN (14) CALENDAR DAYS AFTER CONSTRUCTION ACTIVITIES. ALL STOCKPILES SHALL HAVE ADEQUATE SEDIMENT TRAPPING SYSTEMS INSTALLED AROUND THE PERIMETER.
 - ALL AREAS TO BE ESTABLISHED TO GRASS COVER SHALL RECEIVE 4" THICK TOPSOIL AND SOD/SEED. THESE AREAS SHALL BE WATERED UNTIL A HEAVY STAND OF GRASS IS OBTAINED.
 - INLET PROTECTION SHALL BE INSTALLED AT ALL STORM SEWER INLETS WHICH HAVE A POTENTIAL TO RECEIVE RUNOFF FROM THE CONSTRUCTION SITE.
 - TURF ESTABLISHMENT SHALL CONSIST OF THE FOLLOWING:
 - SEED MIXTURE 25-131 AT 220 LBS PER ACRE
 - FERTILIZER TYPE 1 (20-10-20) AT 350 LBS PER ACRE
 - MULCH TYPE 1 AT 2 TONS PER ACRE

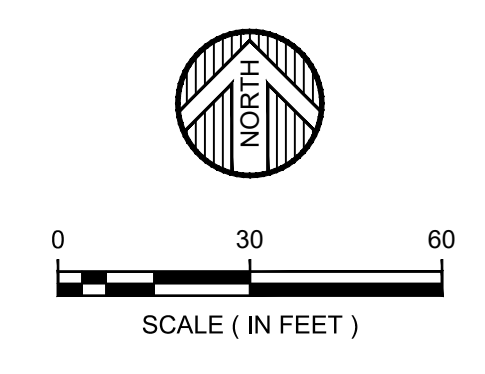
- TEMPORARY EROSION CONTROL APPROXIMATE QUANTITIES:**
- SILT FENCE = 1,000 LINEAR FEET
 - BIOROLL = 830 LINEAR FEET
 - INLET PROTECTION = 2 EACH
 - CONSTRUCTION EXIT = 1 EACH
 - TURF ESTABLISHMENT = 5,000 SQ. FT.

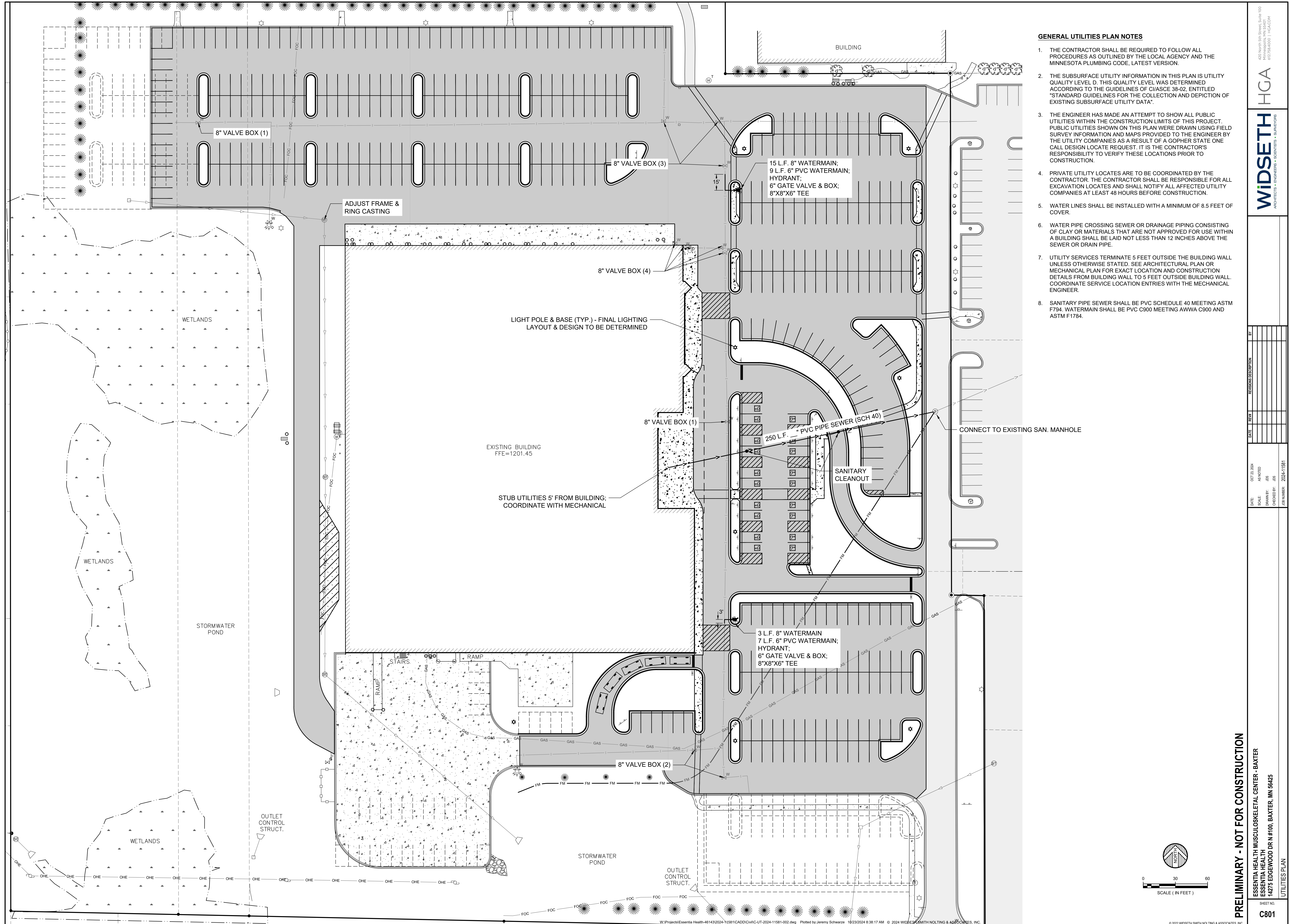


VERIFY LOCATION OF EXISTING CATCH BASIN

VERIFY LOCATIONS & PROVIDE INLET PROTECTION OF ADDITIONAL CATCH BASINS NEAR EDGEWOOD DR

CONTRACTOR TO VERIFY APPROPRIATE LOCATIONS FOR STABILIZED CONSTRUCTION EXITS AND MAINTAIN AS NEEDED.





- GENERAL UTILITIES PLAN NOTES**
1. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY AND THE MINNESOTA PLUMBING CODE, LATEST VERSION.
 2. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
 3. THE ENGINEER HAS MADE AN ATTEMPT TO SHOW ALL PUBLIC UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. PUBLIC UTILITIES SHOWN ON THIS PLAN WERE DRAWN USING FIELD SURVEY INFORMATION AND MAPS PROVIDED TO THE ENGINEER BY THE UTILITY COMPANIES AS A RESULT OF A Gopher State ONE CALL DESIGN LOCATE REQUEST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE LOCATIONS PRIOR TO CONSTRUCTION.
 4. PRIVATE UTILITY LOCATES ARE TO BE COORDINATED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION LOCATES AND SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS BEFORE CONSTRUCTION.
 5. WATER LINES SHALL BE INSTALLED WITH A MINIMUM OF 8.5 FEET OF COVER.
 6. WATER PIPE CROSSING SEWER OR DRAINAGE PIPING CONSISTING OF CLAY OR MATERIALS THAT ARE NOT APPROVED FOR USE WITHIN A BUILDING SHALL BE LAID NOT LESS THAN 12 INCHES ABOVE THE SEWER OR DRAIN PIPE.
 7. UTILITY SERVICES TERMINATE 5 FEET OUTSIDE THE BUILDING WALL UNLESS OTHERWISE STATED. SEE ARCHITECTURAL PLAN OR MECHANICAL PLAN FOR EXACT LOCATION AND CONSTRUCTION DETAILS FROM BUILDING WALL TO 5 FEET OUTSIDE BUILDING WALL. COORDINATE SERVICE LOCATION ENTRIES WITH THE MECHANICAL ENGINEER.
 8. SANITARY PIPE SEWER SHALL BE PVC SCHEDULE 40 MEETING ASTM F794. WATERMAIN SHALL BE PVC C900 MEETING AWWA C900 AND ASTM F1784.

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OCT 12, 2024	AS NOTED	AS NOTED			
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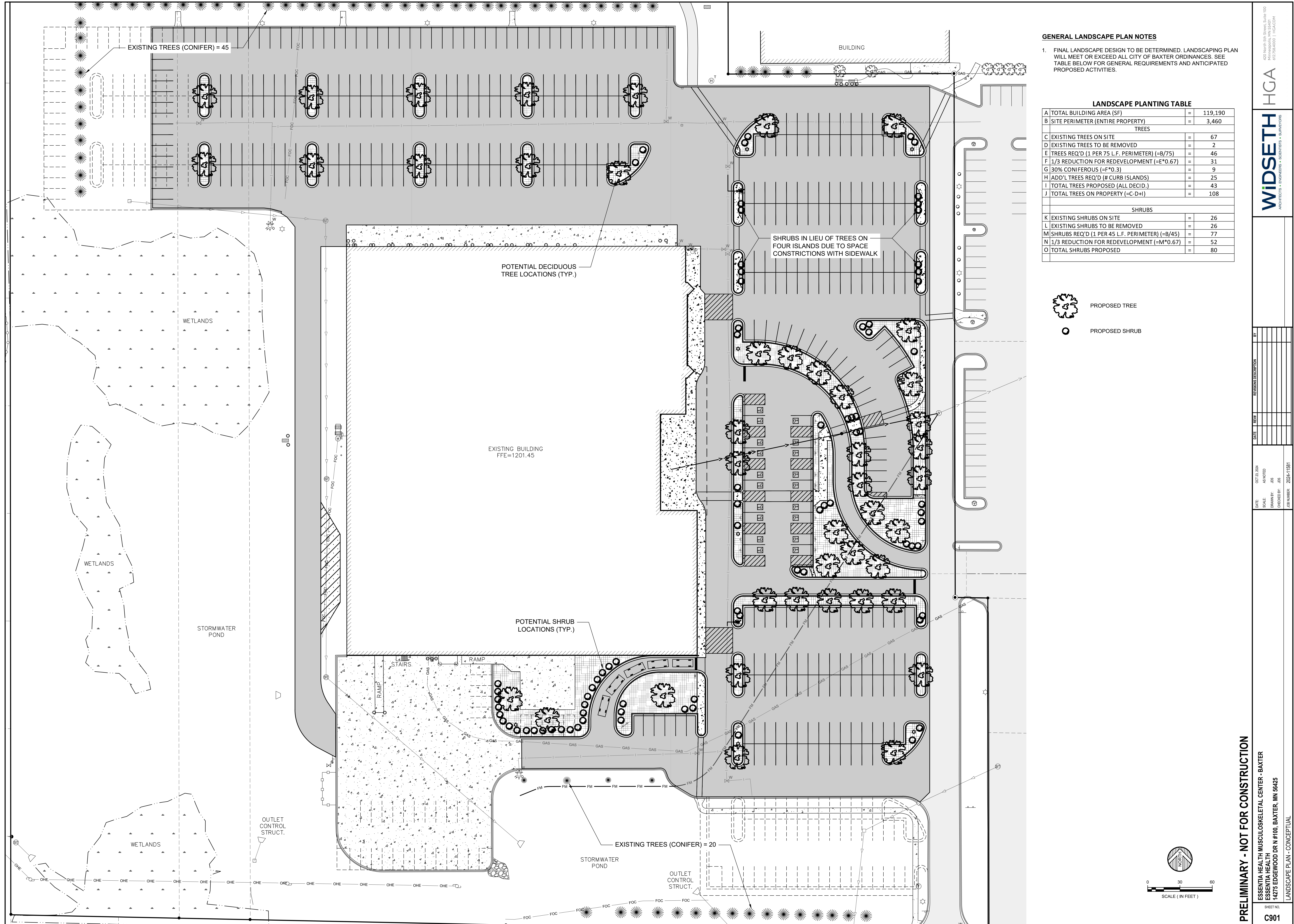
PRELIMINARY - NOT FOR CONSTRUCTION

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UTILITIES PLAN

SHEET NO. **C801**

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GENERAL LANDSCAPE PLAN NOTES

1. FINAL LANDSCAPE DESIGN TO BE DETERMINED. LANDSCAPING PLAN WILL MEET OR EXCEED ALL CITY OF BAXTER ORDINANCES. SEE TABLE BELOW FOR GENERAL REQUIREMENTS AND ANTICIPATED PROPOSED ACTIVITIES.

LANDSCAPE PLANTING TABLE

TREES	
A TOTAL BUILDING AREA (SF)	119,190
B SITE PERIMETER (ENTIRE PROPERTY)	3,460
C EXISTING TREES ON SITE	67
D EXISTING TREES TO BE REMOVED	2
E TREES REQ'D (1 PER 75 L.F. PERIMETER) (=B/75)	46
F 1/3 REDUCTION FOR REDEVELOPMENT (=E*0.67)	31
G 30% CONIFEROUS (=F*0.3)	9
H ADD'L TREES REQ'D (# CURB ISLANDS)	25
I TOTAL TREES PROPOSED (ALL DECID.)	43
J TOTAL TREES ON PROPERTY (=C-D+I)	108
SHRUBS	
K EXISTING SHRUBS ON SITE	26
L EXISTING SHRUBS TO BE REMOVED	26
M SHRUBS REQ'D (1 PER 45 L.F. PERIMETER) (=B/45)	77
N 1/3 REDUCTION FOR REDEVELOPMENT (=M*0.67)	52
O TOTAL SHRUBS PROPOSED	80

-  PROPOSED TREE
-  PROPOSED SHRUB

PRELIMINARY - NOT FOR CONSTRUCTION
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 LANDSCAPE PLAN - CONCEPTUAL
 SHEET NO. **C901**

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