



LOCATION MAP

SITE WORK SPECIFICATION

- 1 GENERAL:**
- 1.1 SCOPE OF THE WORK - Shall consist of the following:
- A. Site Work, including excavation and grading, storm sewer, sanitary sewer services, water services, base aggregate, dense, HMA pavement, concrete apron, curb and gutter, concrete sidewalk, stormwater management, landscaping, and other incidental items.
- 1.2 SPECIFICATIONS WHICH APPLY - Includes, but is not limited to the following:
- A. State Building Code.
  - B. General Conditions, General Requirements, City of La Crosse Standard Specifications, current edition, WisDOT "Standard Specifications", 2017 edition, WisDOT Construction and Materials Manual, Current Edition, Wisconsin Department of Safety and Professional Services State Plumbing Code, and these specifications.
- 2 SITE WORK:**
- 2.1 GENERAL - The scope of the work will include excavation and grading of building pads, parking areas, and landscaped areas; construction of storm drains, sanitary sewer services and water services; installation of base aggregate, dense, HMA pavement, private concrete driveways, concrete curb and gutter, erosion control, landscaping, and other incidental items.
- 2.2 CLEARING AND GRUBBING - All clearing and grubbing shall be considered incidental.
- 2.3 GRADING:
- A. Work Shall Include - Stripping and removal of topsoil and unsuitable soils; installation of engineered fill; and regrading of site to indicated grades.
  - B. The Contractor shall maintain drainage through the project area at all times. All materials, piping, pumping, equipment, and labor necessary to maintain drainage (dewatering) shall be considered incidental to the project, unless otherwise specified.
  - C. Topsoil and unsuitable soils in the building area shall be excavated to the depths indicated in the Soils Report. The subgrade shall be examined by a soils engineer prior to placement of fill. The excavation shall be maintained free of water at all times.
  - D. Topsoil in the areas under the proposed parking shall be excavated to a minimum depth of 1'-6". Areas found to have unsuitable soils within the upper 3' of subgrade shall be excavated to remove the unsuitable soils and the subgrade shall be prepared in accordance with WisDOT Sections 205 and 207 and as directed in the Soils Report.
  - E. The building area shall be filled to the bottom of the floor slab section using non-organic suitable onsite material or borrow meeting the requirements of WisDOT Section 208. Fill shall be placed and compacted as directed in the Soils Report.
  - F. Where required, the grade shall be raised to the bottom of the pavement section, using non-organic suitable onsite material or borrow meeting the requirements of WisDOT Section 208. The material shall be placed and compacted in 8" lifts. Compaction shall be by standard compaction methods, in accordance with WisDOT Section 207.3.6 and as indicated in the Soils Report.
  - G. Salvaged material shall be used to fill grassed areas, as required, leaving room for 0'-6" minimum of topsoil in the landscaped areas. Unsuitable materials such as rocks, boulders, tree roots, etc. shall be removed from the backfill material and disposed of off site.
- H. Topsoil shall be spread, to a minimum depth of 0'-6", over all areas to be sodded or landscaped and shall be graded to its contours shown on the plans, allowing room for any landscaping mulch. See Site Restoration Plan & specifications.
- I. All testing during fill placement shall be the responsibility of the contractor.
- 2.4 SANITARY SEWER:
- A. Work shall include construction of sanitary sewer services as specified in the City of La Crosse Standard Specifications: Construction of Sewers.
- 2.5 WATER MAIN:
- A. Work shall include the construction of water services as shown on the plans and as specified in the City of La Crosse Standard Specification: Water Main Construction.
- 2.6 STORM DRAINS:
- A. Work shall include construction of storm drain catch basins, manholes, and pipe as shown on plans and as specified in the City of La Crosse Standard Specification: Construction of Sewers.
- 2.7 CONCRETE CURB & GUTTER:
- A. Work shall include installation of curb foundation material and City of La Crosse Standard Concrete Curb and Gutter as specified in the City of La Crosse Standard Specification: Concrete Curb & Gutter-Private & Alley Driveways & WisDOT type D 18" concrete curb & gutter.
- 2.7 CONCRETE WALK:
- A. Work shall include installation of sidewalk foundation material and Sidewalk as specified in the City of La Crosse Standard Specification: Sidewalks.
- 2.8 HMA Pavement
- A. Working shall include preparation of subgrade, installation of base course, and Bituminous Concrete pavement as specified in the City of La Crosse Standard Specifications: Bituminous Concrete Paving.
- 2.9 SOIL CAPACITY:
- A. Assumed soil bearing capacity - 3000 PSF.
- 2.10 EPOXY STRIPING, MARKINGS & SIGNAGE:
- A. Epoxy shall conform to WisDOT Section 646.
  - B. The surface of the parking lot shall be clean and dry, and the air temperature shall be above 50 deg. F.
  - C. H.C. Signs shall be installed where shown on plans and shall conform to the A.D.A.
  - D. Traffic Control signs shall be installed where shown on plans and conform to the MUTCD.
- 2.11 EROSION CONTROL:
- A. See Erosion Control Plan
- 2.12 LANDSCAPING:
- A. See Site Restoration plans and details.



WI DSPS BUILDING REVIEW SET  
02/01/2017

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PROJECT

**DURATECH INDUSTRIES BUILDING ADDITION**

LA CROSSE WISCONSIN

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	18735
FILE NAME	18735 C0-DETAILS
DRAWN BY	CLF
DESIGNED BY	NBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	

TITLE

**SPECIFICATIONS & NOTES**

SHEET

**C0-10**

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER-CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "DIGGERS HOTLINE" FOR UTILITY LOCATIONS, A MINIMUM OF 3 FULL BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (811 OR 1-800-242-8511).

SITE SUMMARY

ADDRESS:  
3216 COMMERCE ST.  
LA CROSSE, WI 54601

ZONE: M2 HEAVY INDUSTRIAL

SITE AREA = 262,743 SQ FT/6.03 AC  
EXISTING BUILDING AREA = 66,610 SQ FT  
NEW BUILDING AREA = 28,024 SQ FT  
TOTAL BUILDING AREA = 94,634 SQ FT

PARKING STALLS  
PROPOSED STALLS

STALLS REQUIRED	STALLS PROVIDED
-	175

HANDICAPPED ACCESSIBLE

6	6
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SETBACK REQUIREMENTS

PARKING	BUILDING
FRONT YARD 5'	50'
REAR YARD 5'	25'
SIDE YARD 5'	10'

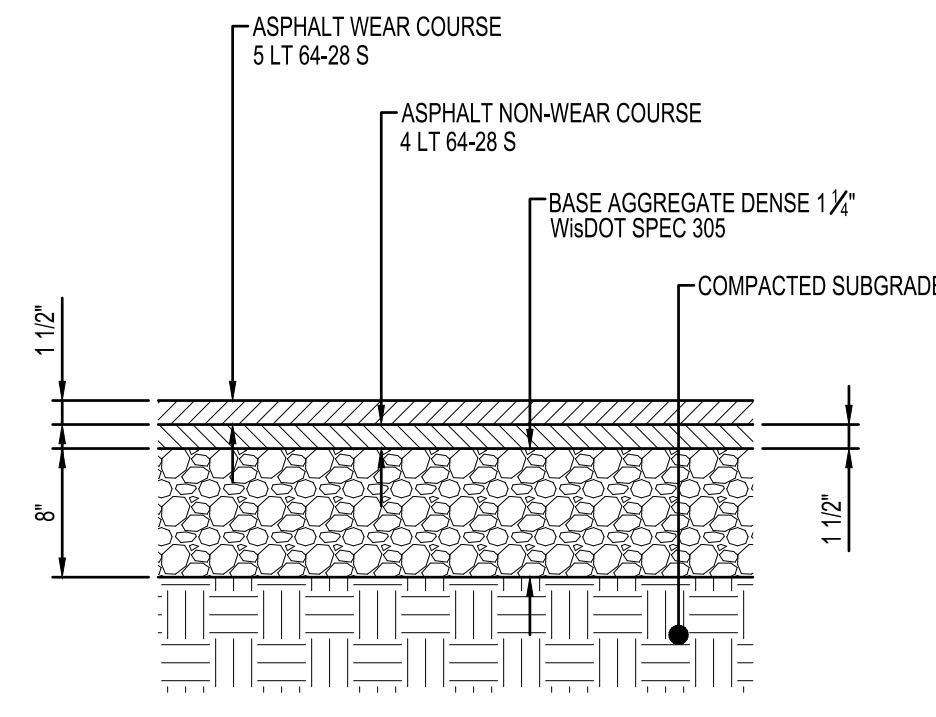


Dial 811 or (800)242-8511  
www.DiggersHotline.com

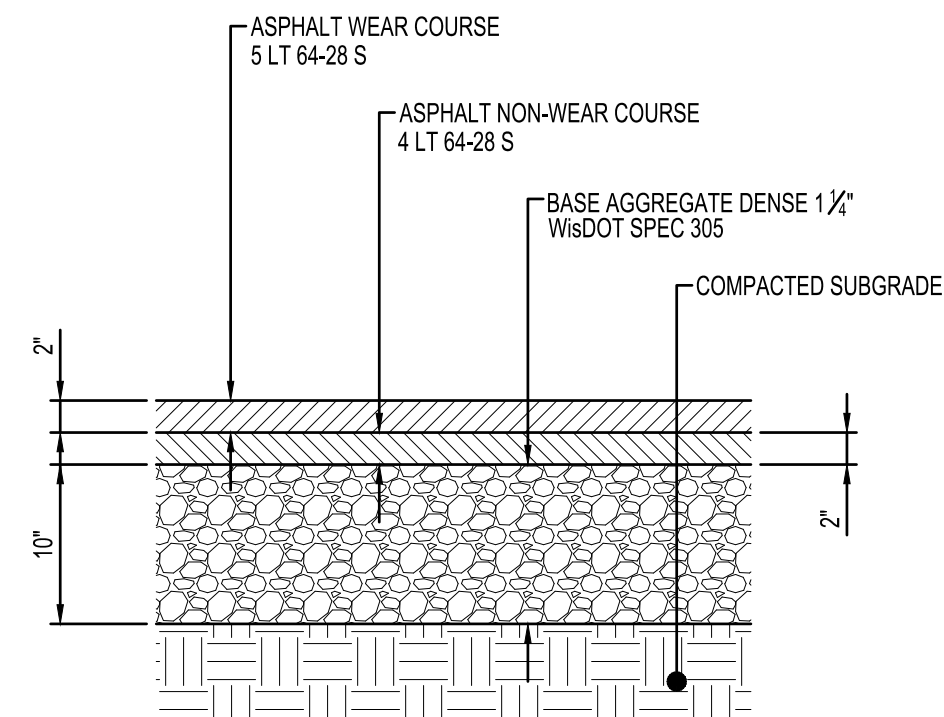
LEGEND

EXISTING	PROPOSED
SECTION LINE	LOT LINE
QUARTER SECTION LINE	RIGHT OF WAY
RIGHT OF WAY LINE	EASEMENT
PROPERTY / LOTLINE	CULVERT
EASEMENT LINE	STORM SEWER
ACCESS CONTROL	STORM SEWER (PIPE WIDTH)
WATER EDGE	SANITARY SEWER
WETLAND BOUNDARY	SANITARY SEWER (PIPE WIDTH)
WETLAND / MARSH	WATER
FENCE LINE	OVERHEAD ELECTRIC
CULVERT	UNDERGROUND ELECTRIC
STORM SEWER	UNDERGROUND TV
SANITARY SEWER	GAS
SANITARY SEWER FORCEMAIN	1015 CONTOUR
WATER	MANHOLE
UNDERGROUND TELEPHONE	CATCH BASIN
OVERHEAD ELECTRIC	HYDRANT
UNDERGROUND ELECTRIC	VALVE
UNDERGROUND TV	
GAS	
UNDERGROUND FIBER OPTIC	
990 CONTOUR (MAJOR)	
989 CONTOUR (MINOR)	
DECIDUOUS TREE	
CONIFEROUS TREE	
TREE LINE	
MANHOLE/STRUCTURE	
CATCH BASIN	
HYDRANT	
VALVE	
CURB STOP	
POWER POLE	
UTILITY PEDESTAL / CABINET	

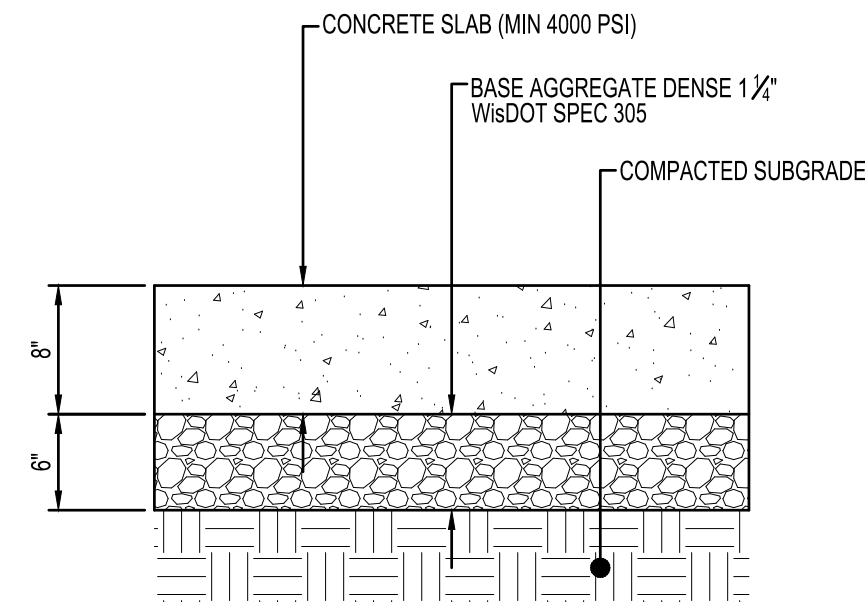




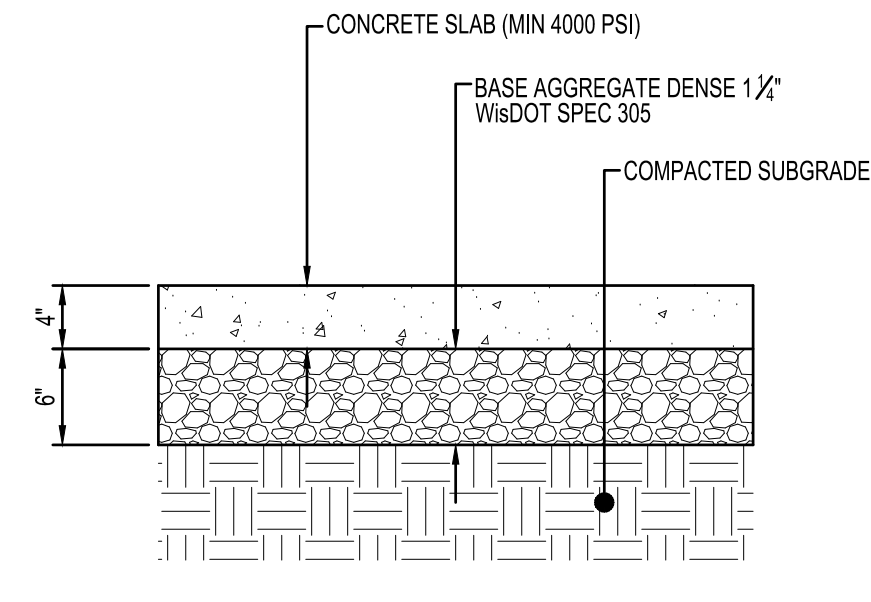
**STANDARD ASPHALT PAVEMENT**  
NTS ST110



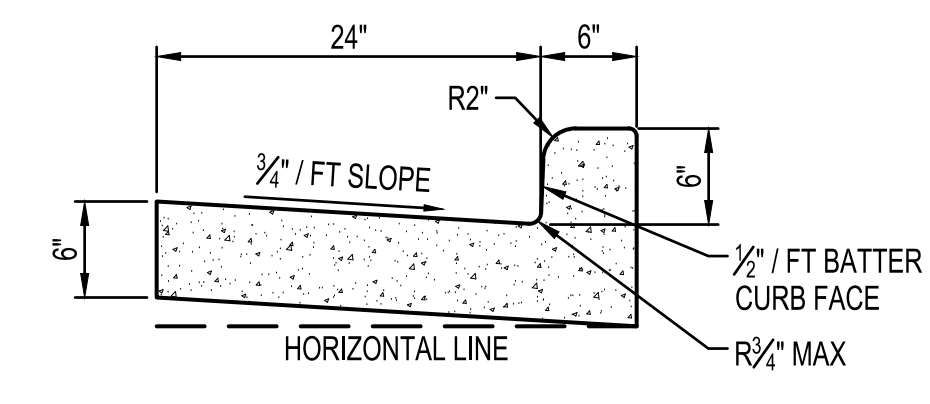
**HEAVY DUTY ASPHALT PAVEMENT**  
NTS ST115



**CONCRETE PAVEMENT**  
NTS ST120

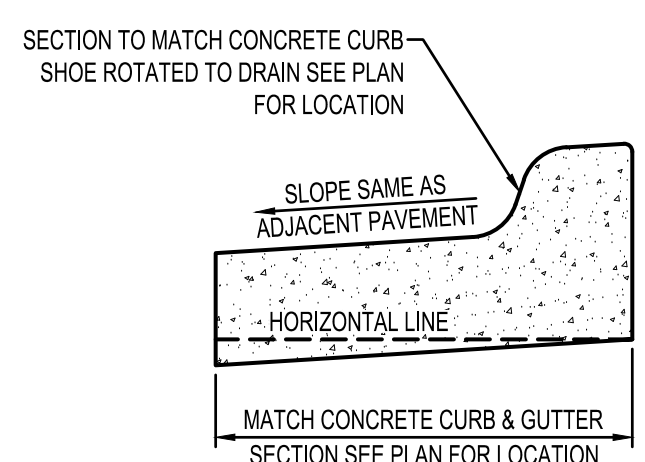


**CONCRETE WALK**  
NTS ST160

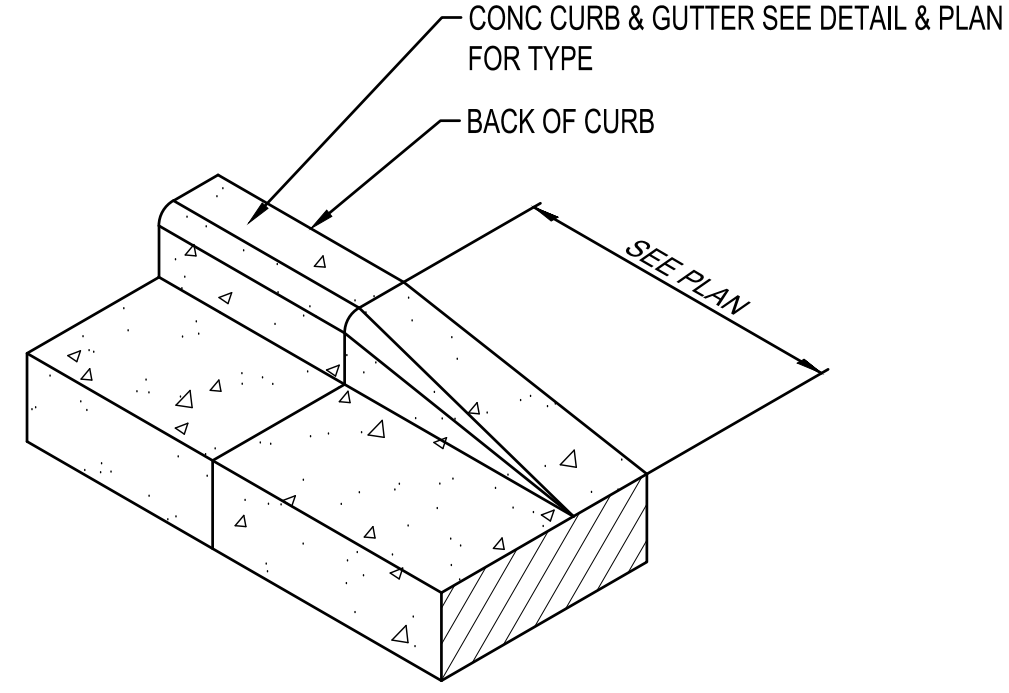


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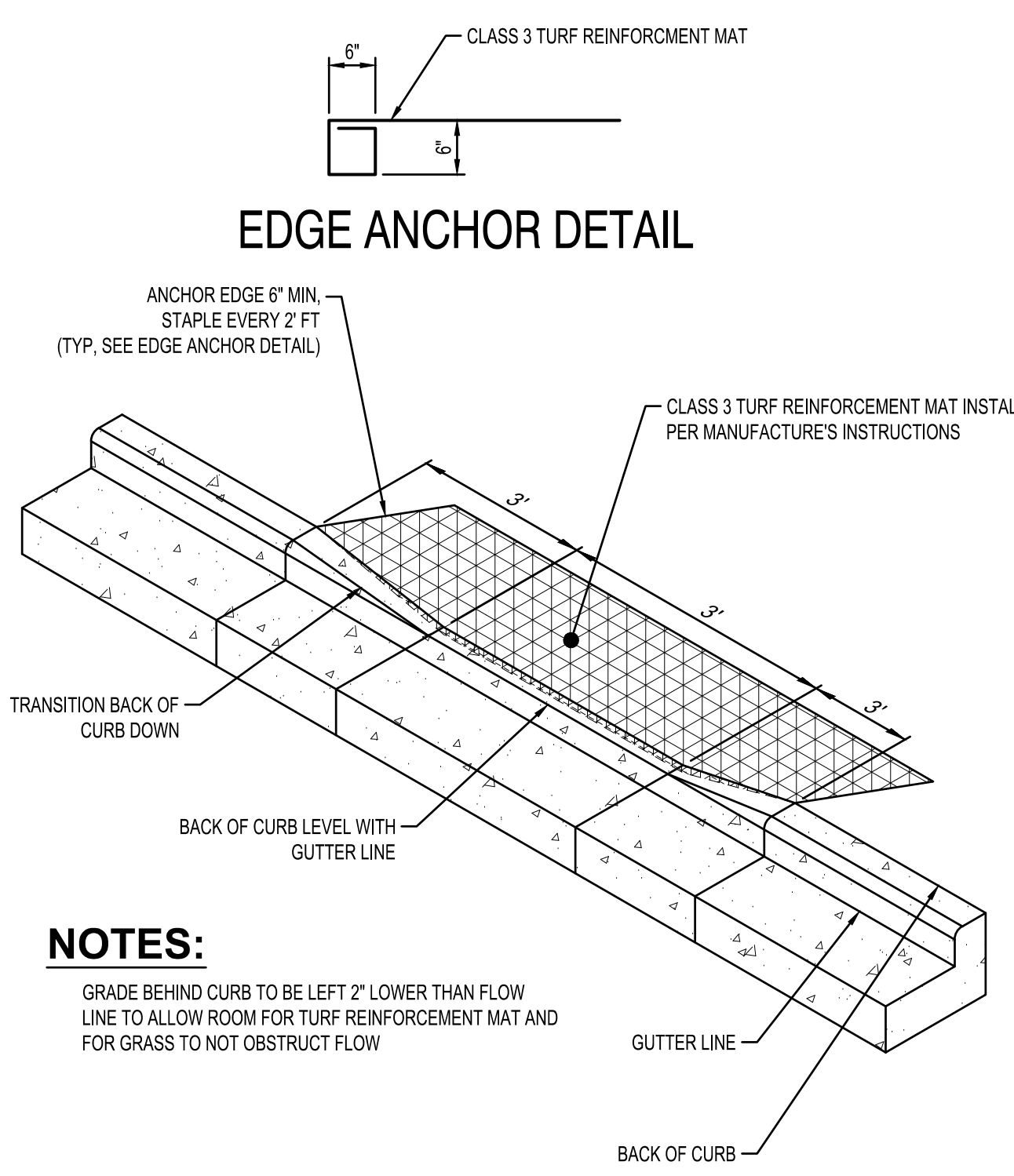
**NOTES:**  
1 THE BOTTOM OF CURB & GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6\"/>



**REVERSE SLOPE CONCRETE CURB & GUTTER**  
NTS ST250

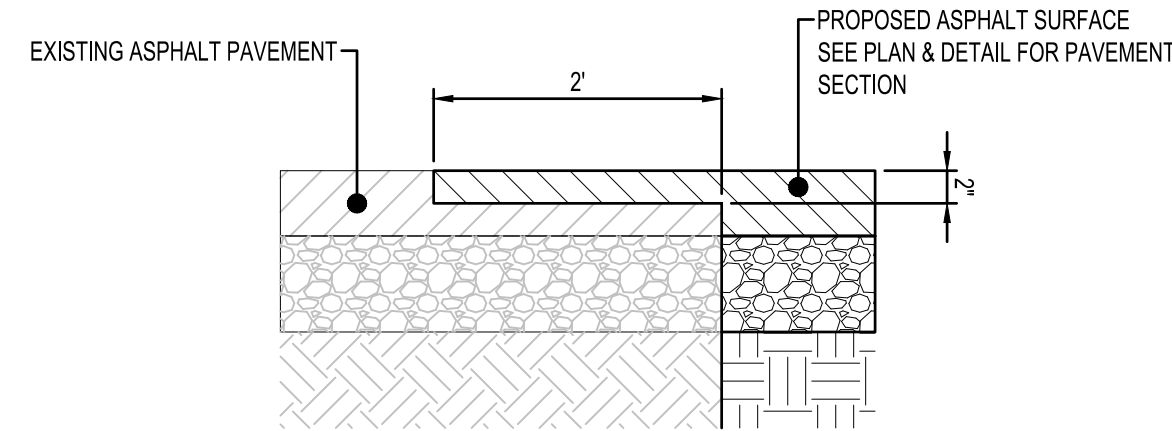


**CURB HEAD TRANSITION**  
NTS ST270



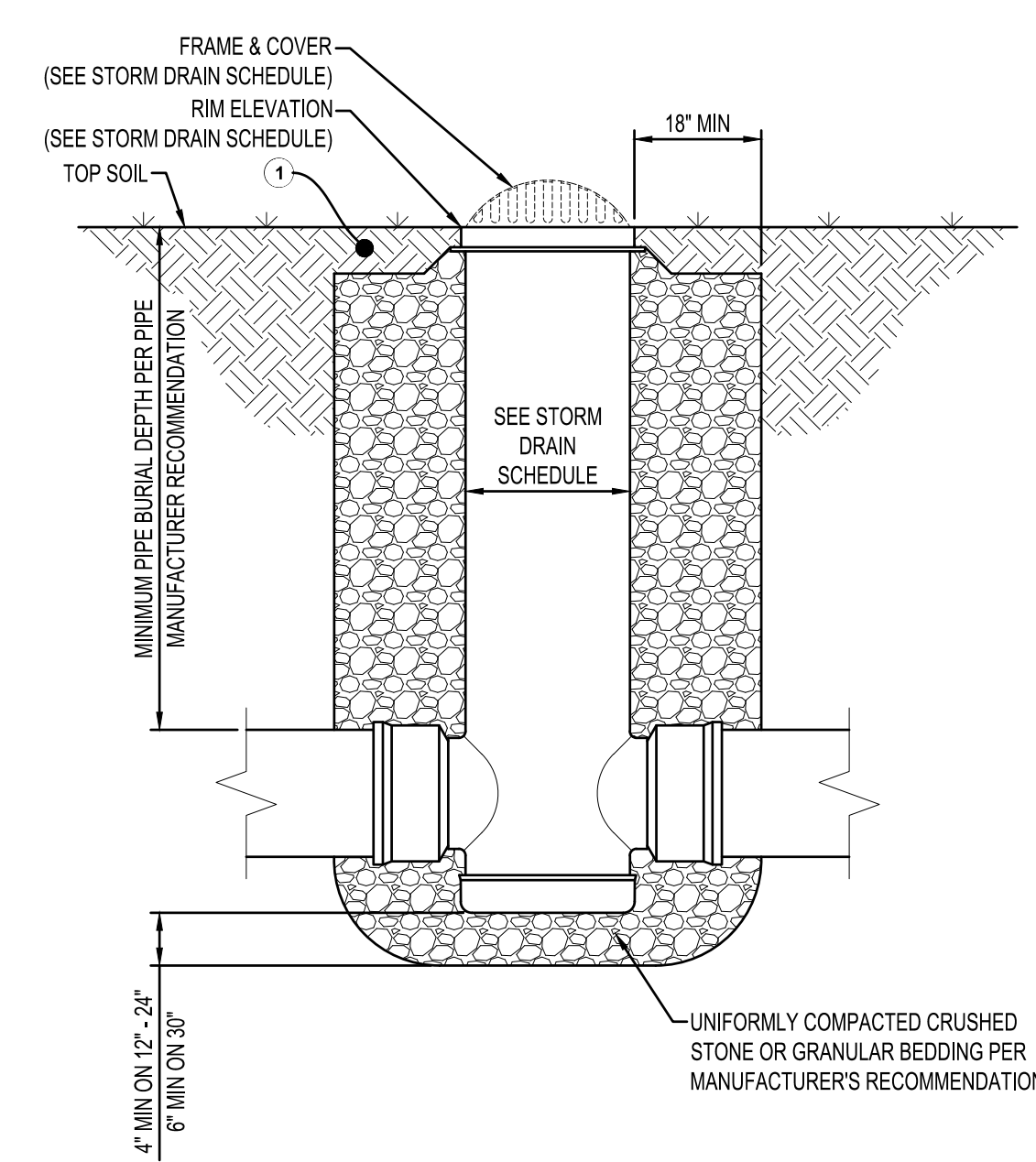
**CURB CUT STORM OUTLET**  
NTS ST280

**NOTES:**  
GRADE BEHIND CURB TO BE LEFT 2\"/>



**EDGE MILLING**  
NTS ST350

**NOTES:**  
USE WHENEVER NEW ASPHALT ABUTS EXISTING ASPHALT



**TURF DRAIN BASIN**  
NTS SD246

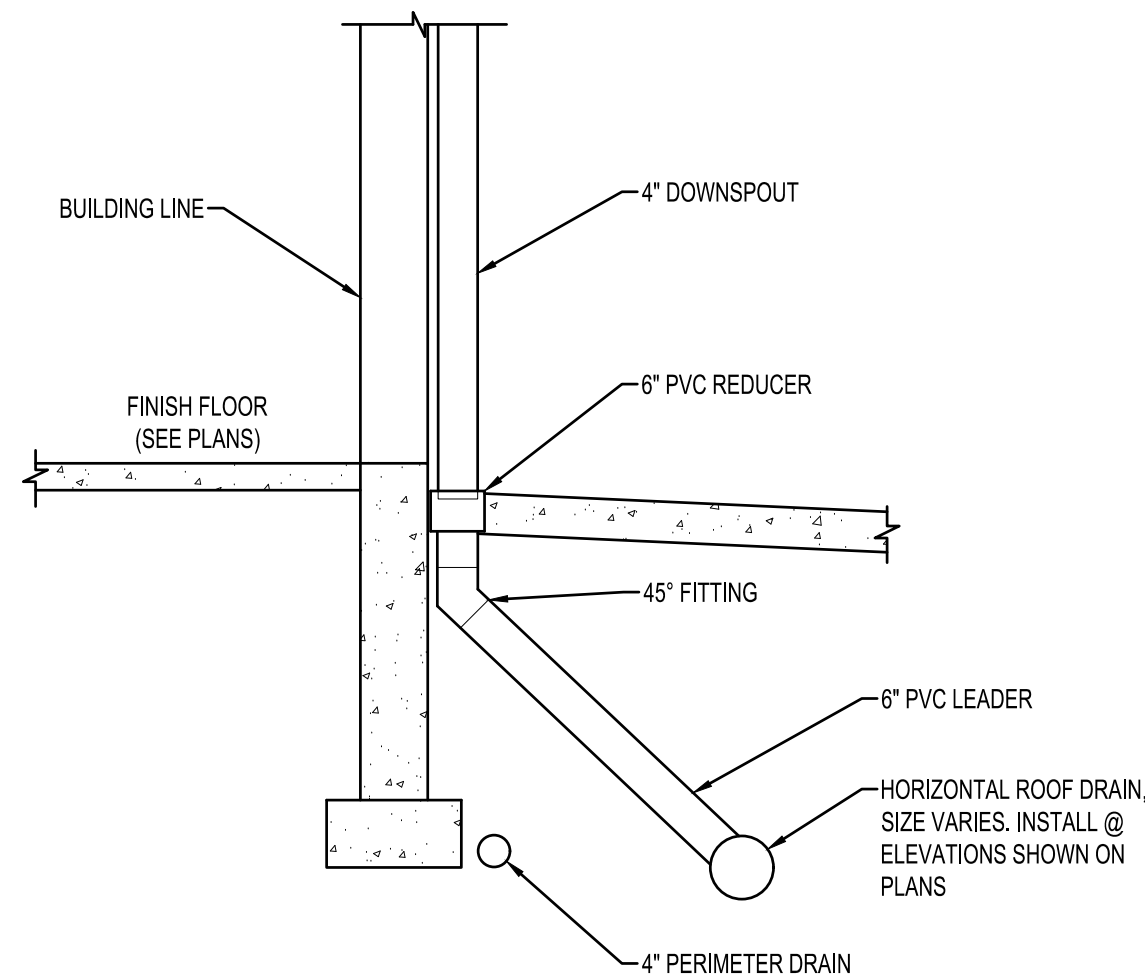
**NOTES:**  
1 DESIGN SHOULD ACCOUNT FOR ROOT DEPTH TO ALLOW TURF TO GROW AND PREVENT EROSION AROUND GRATE SO THAT HAZARDS TO DO NOT FORM

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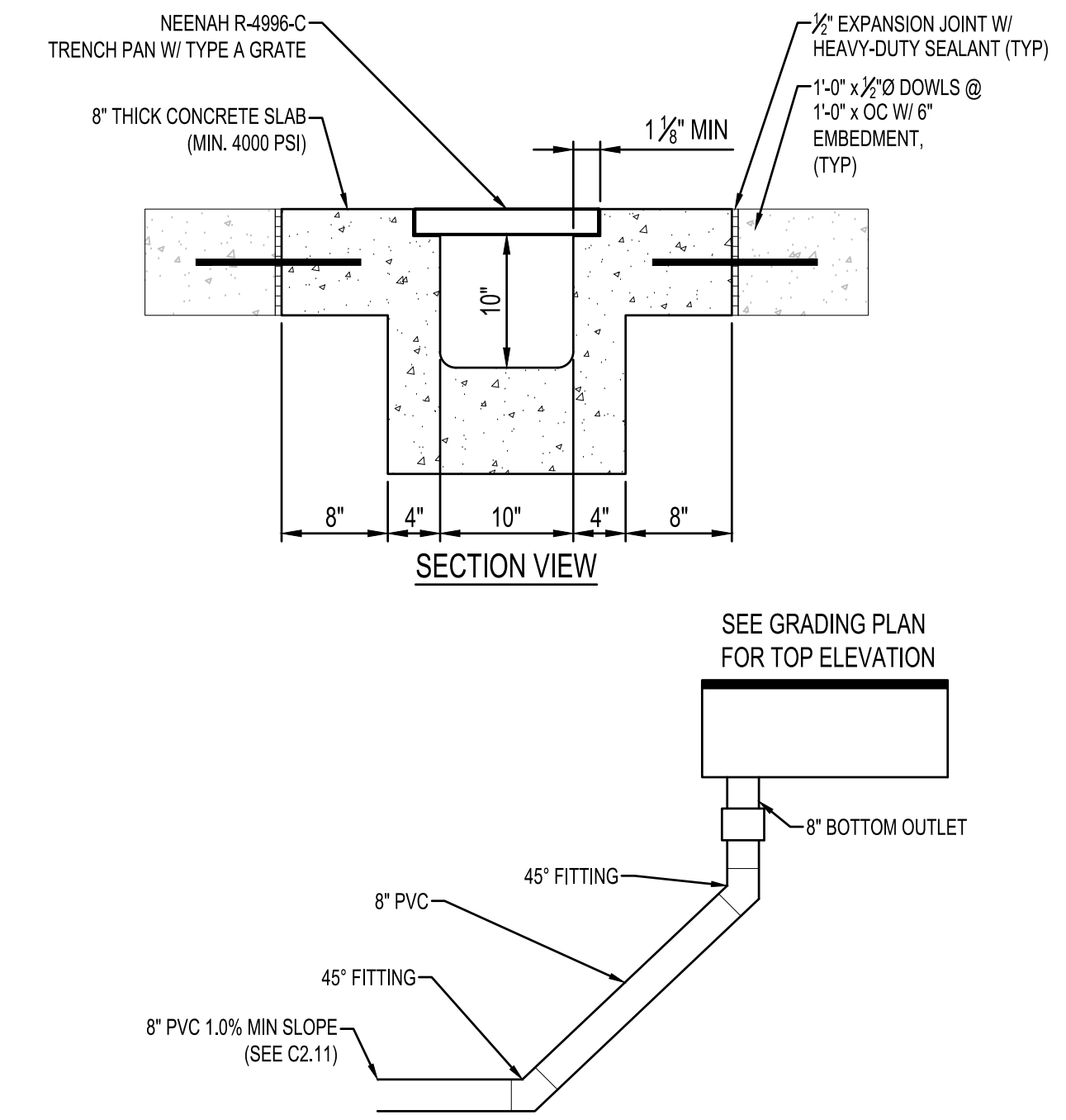
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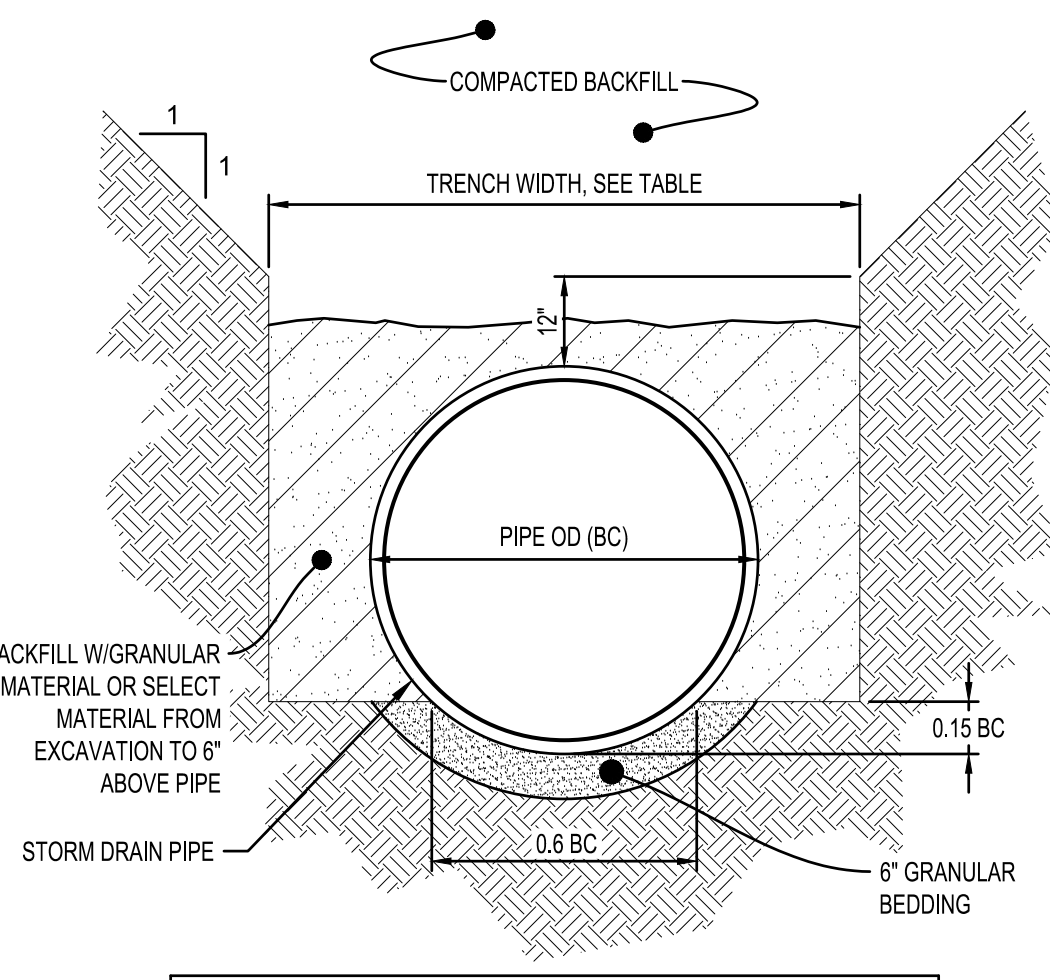
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**VERTICAL RAIN LEADER**  
NTS SD400



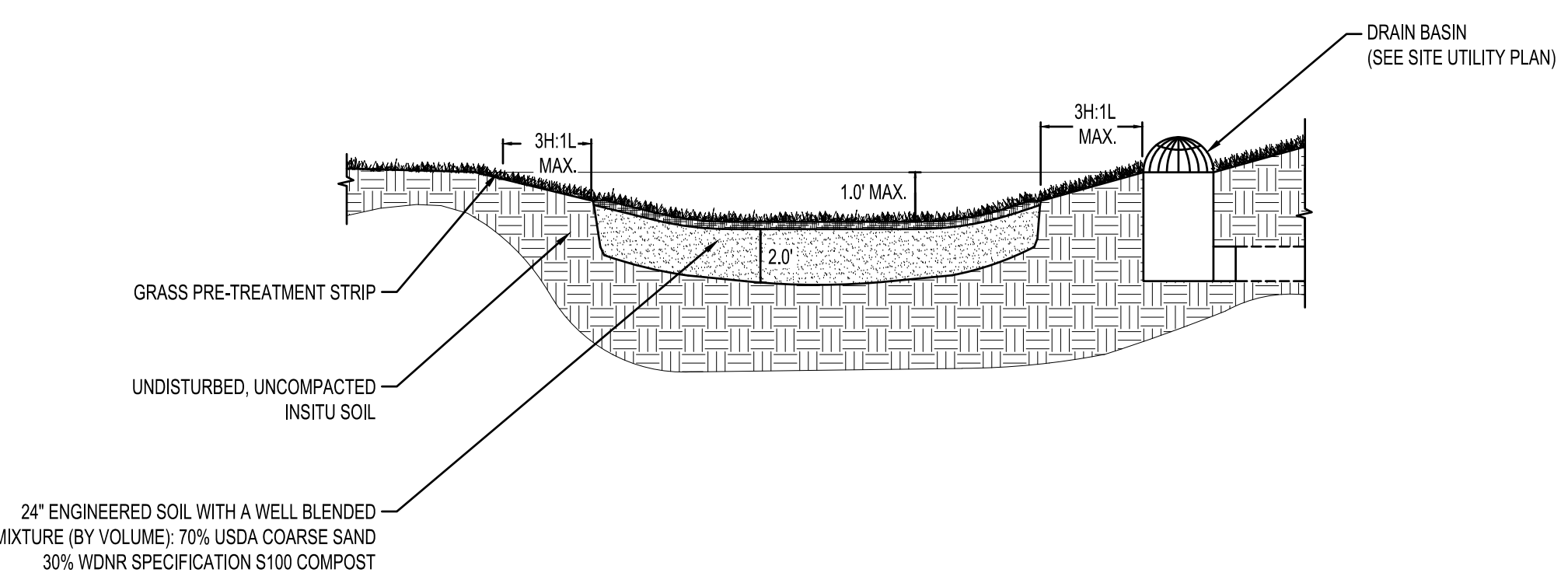
**CONCRETE TRENCH DRAIN**  
NTS SD550



TRENCH WIDTH	
PIPE Ø	TRENCH WIDTH
36\"/>	

**NOTES:**  
GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION

**NON-CONCRETE STORM DRAIN PIPE BEDDING**  
NTS SD600



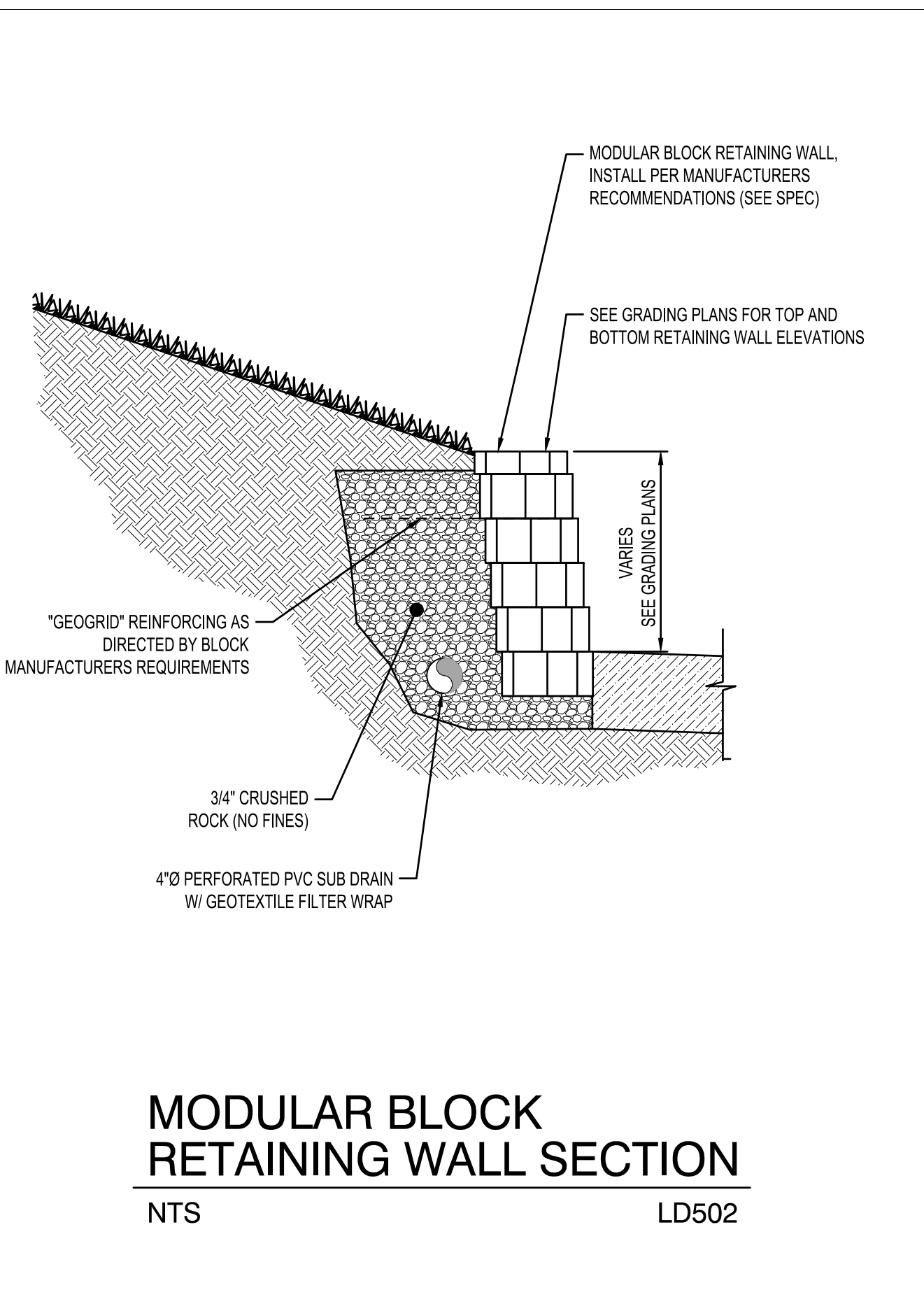
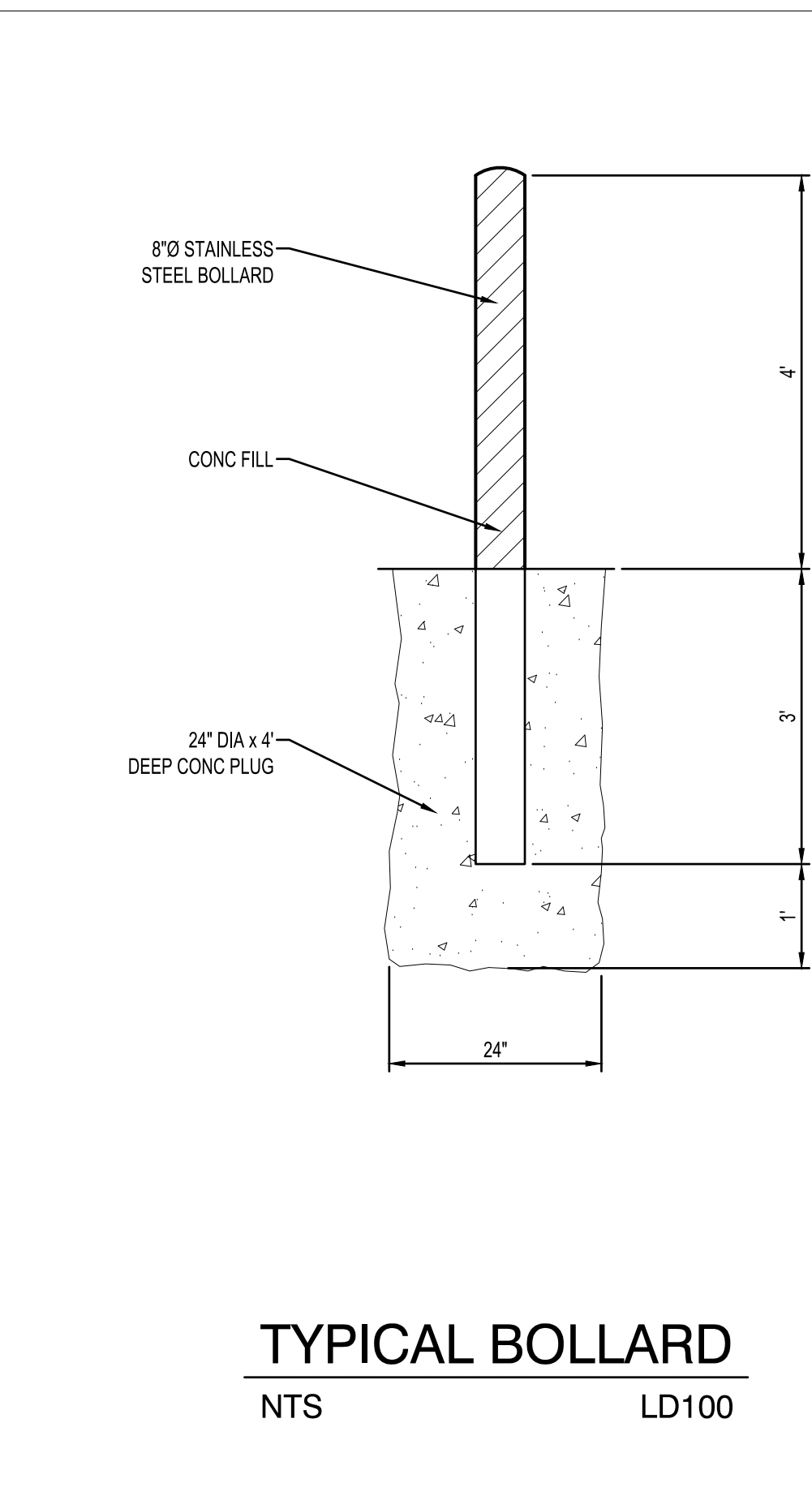
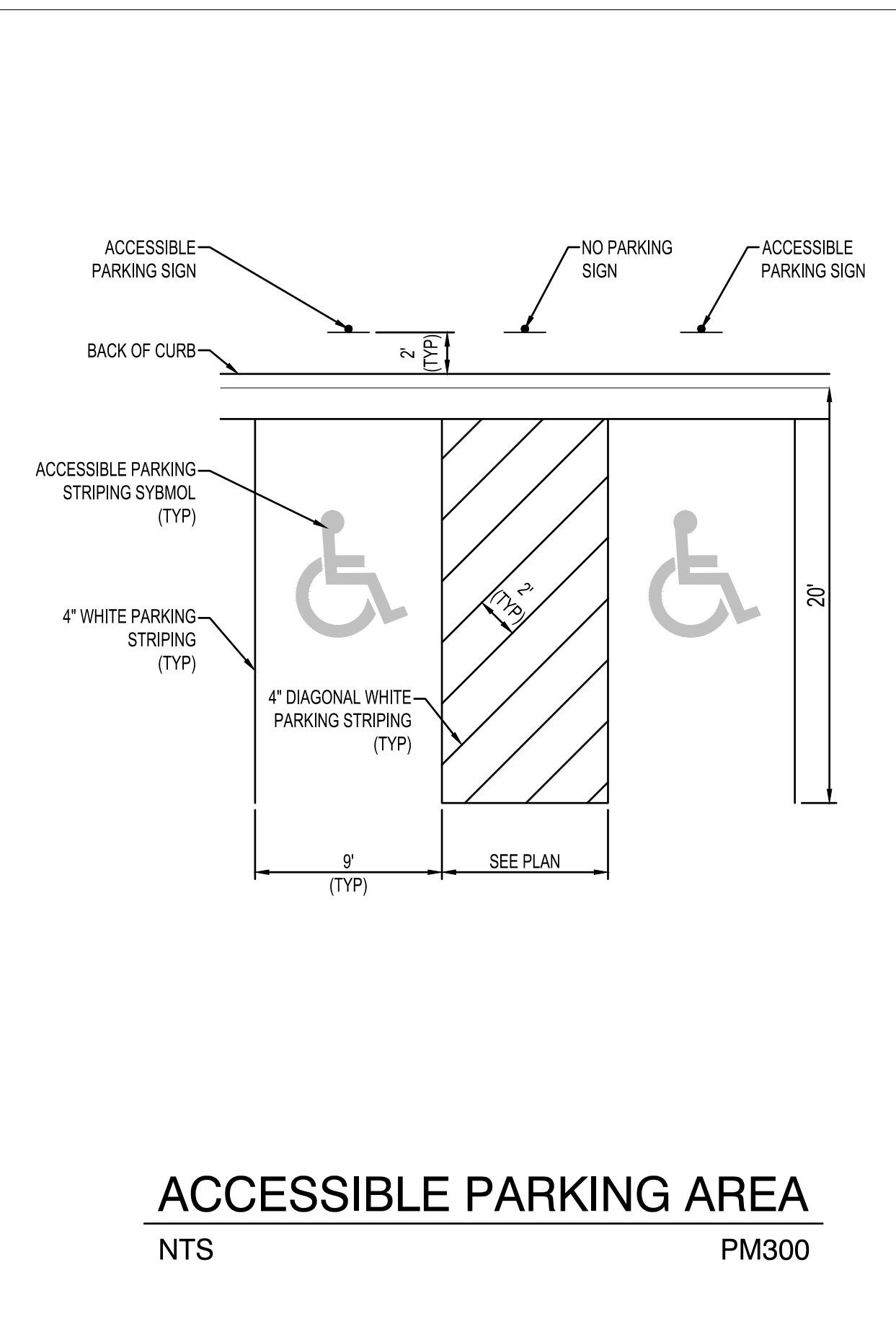
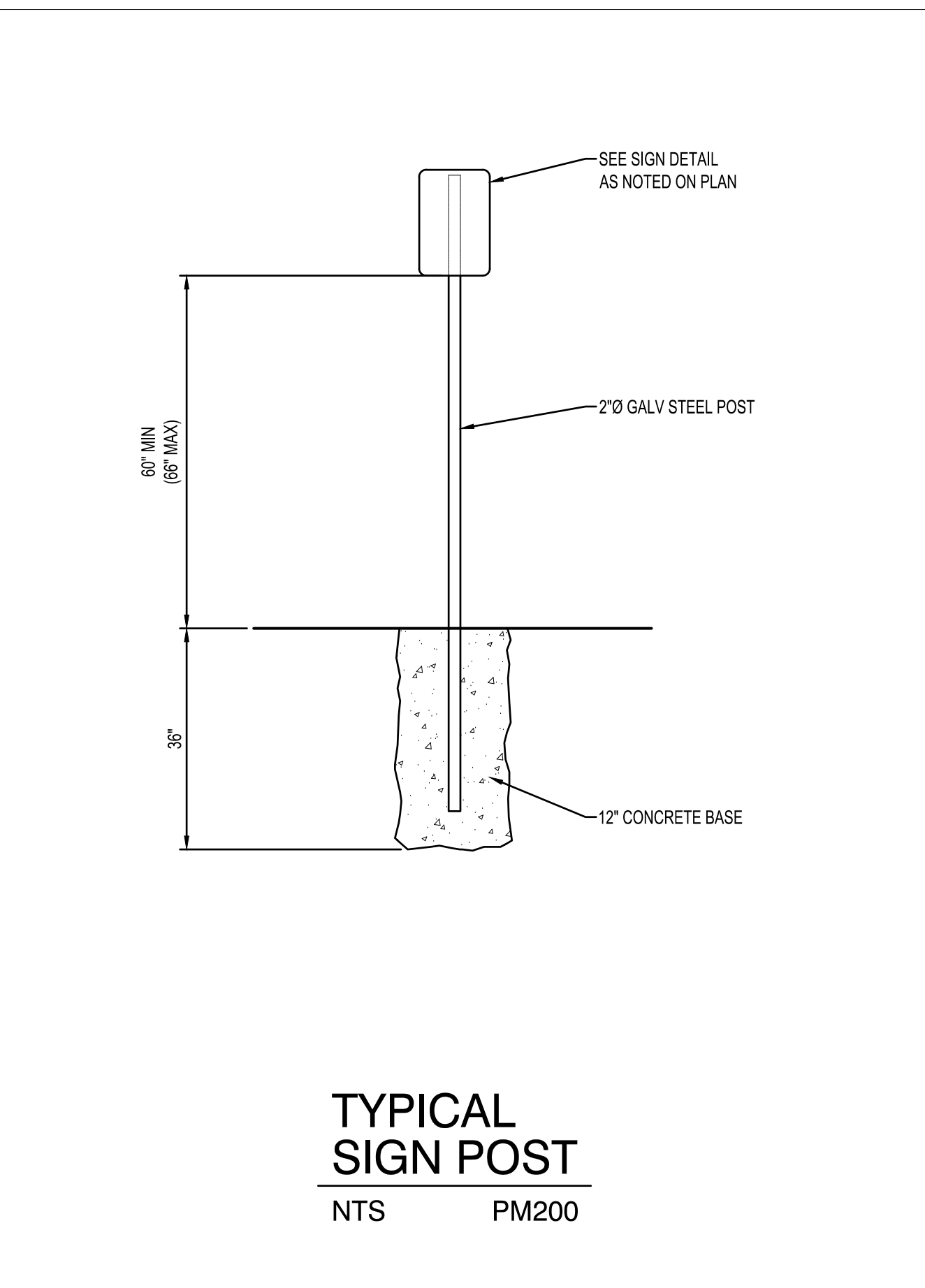
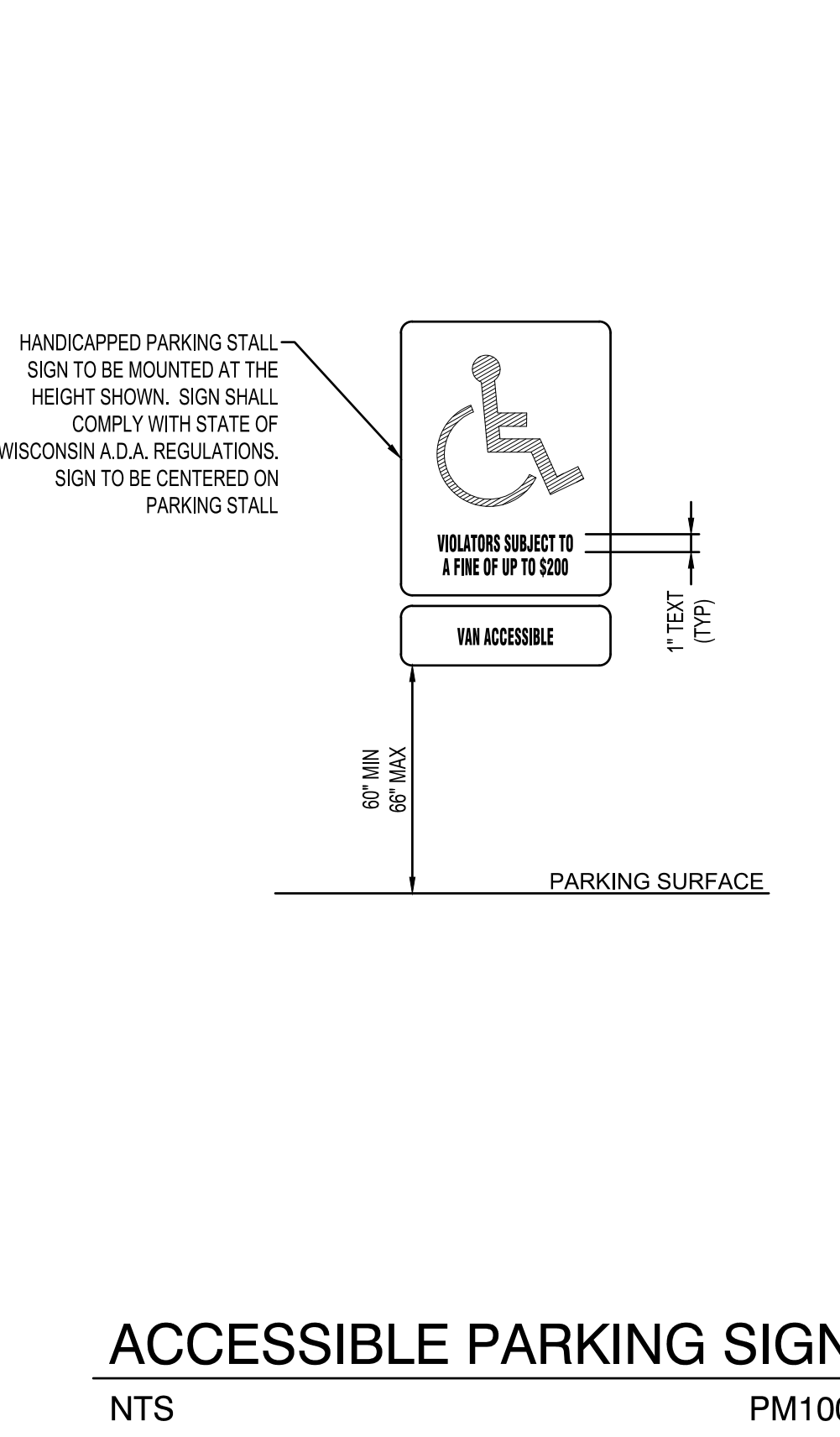
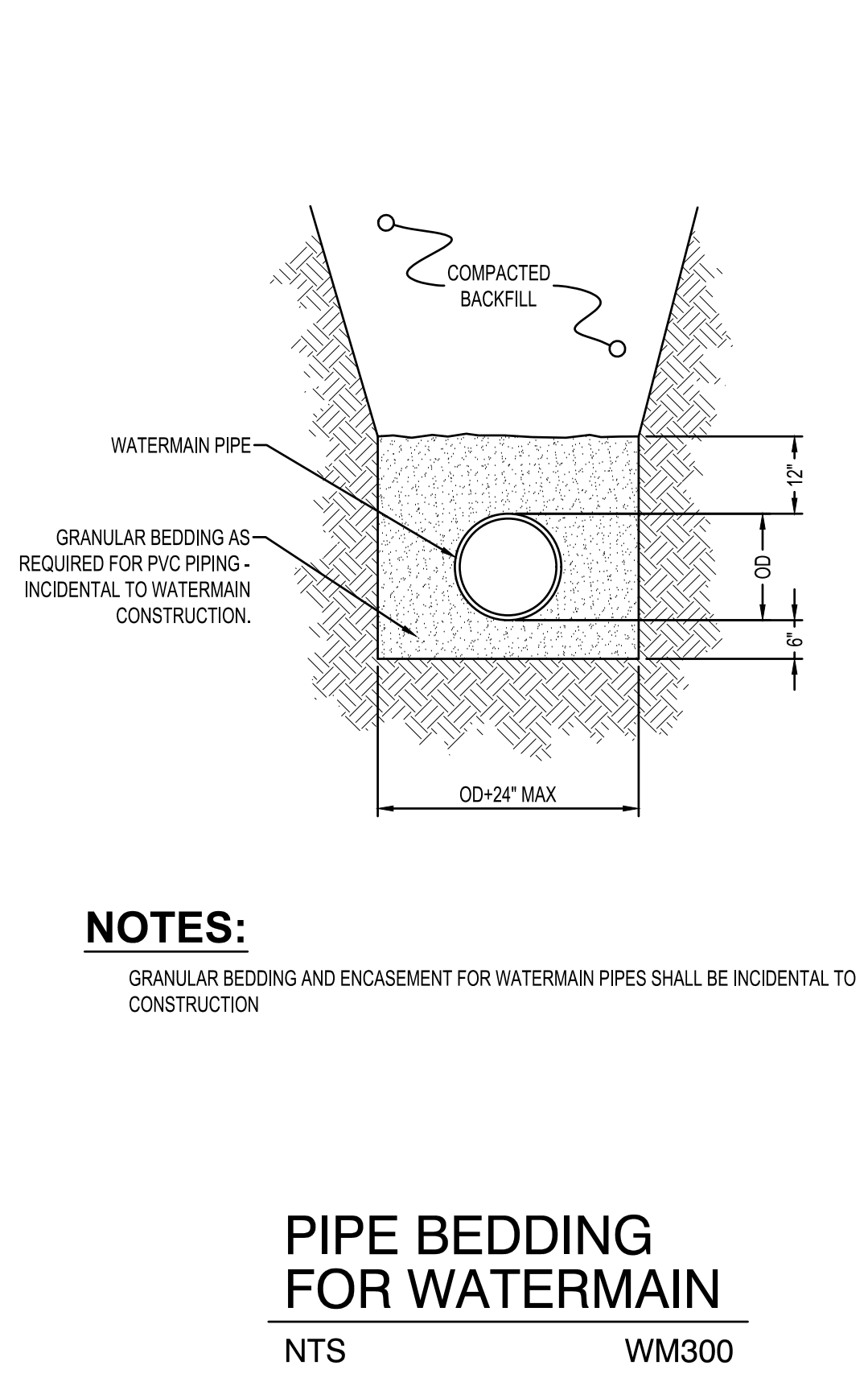
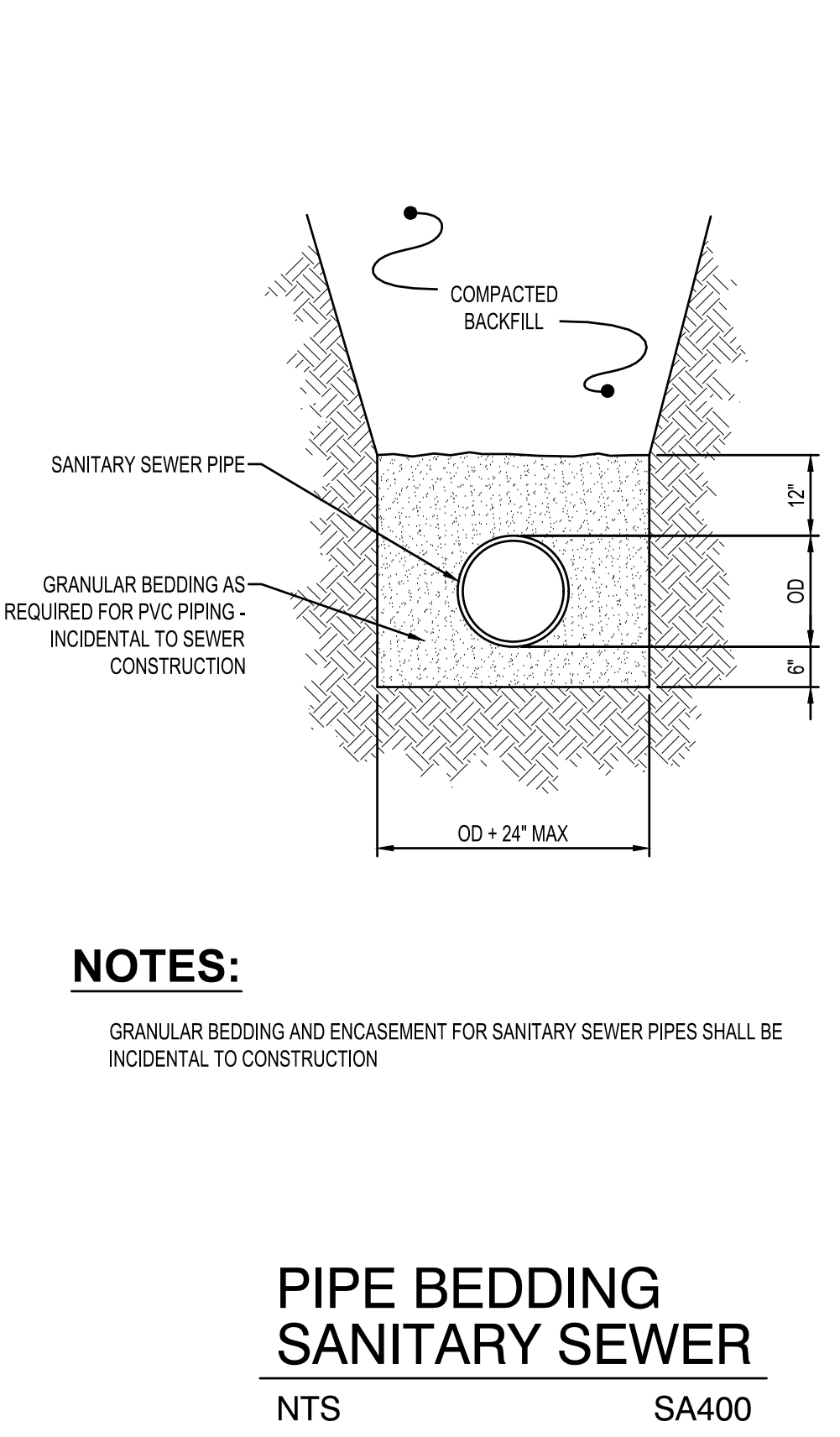
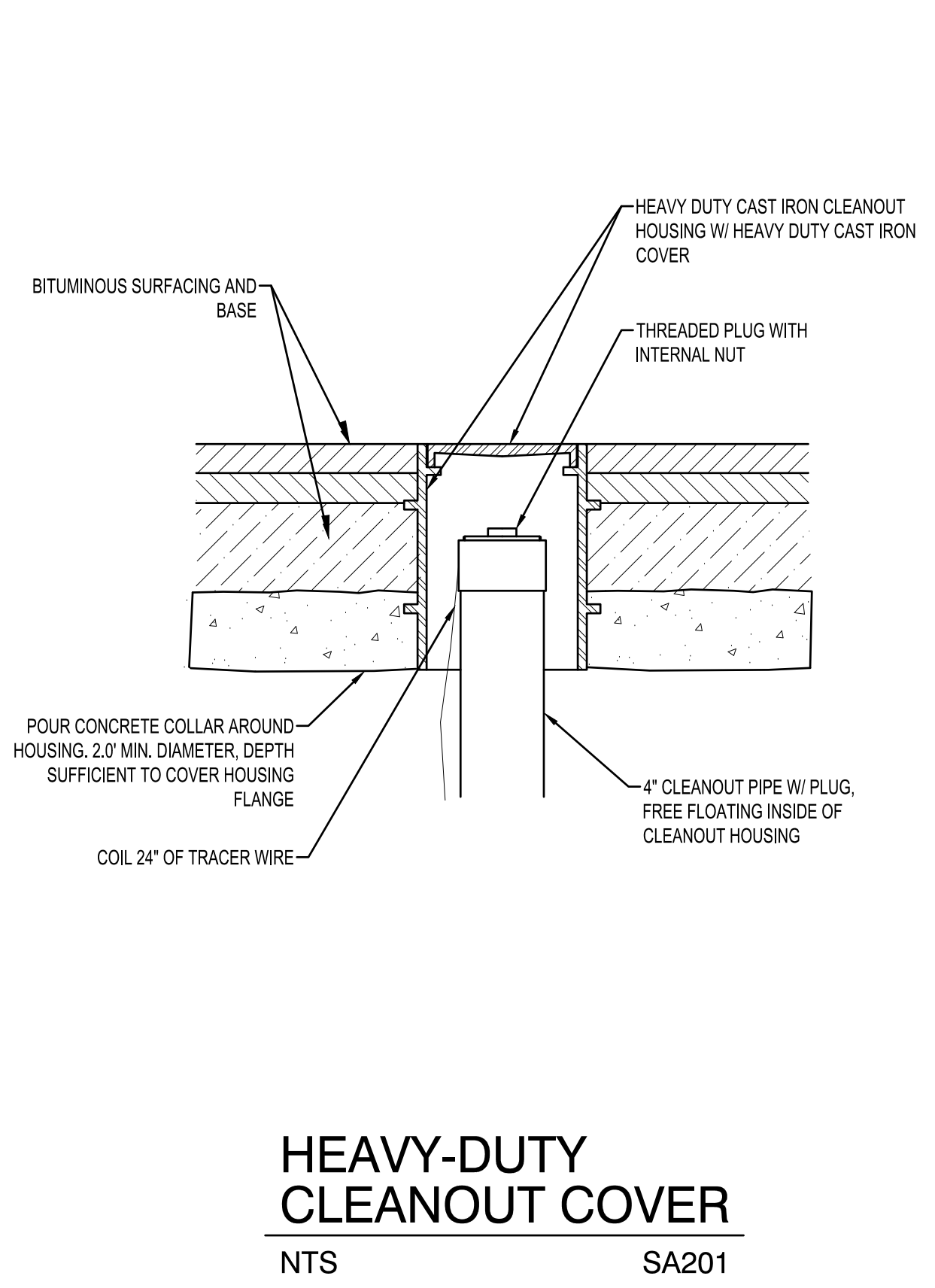
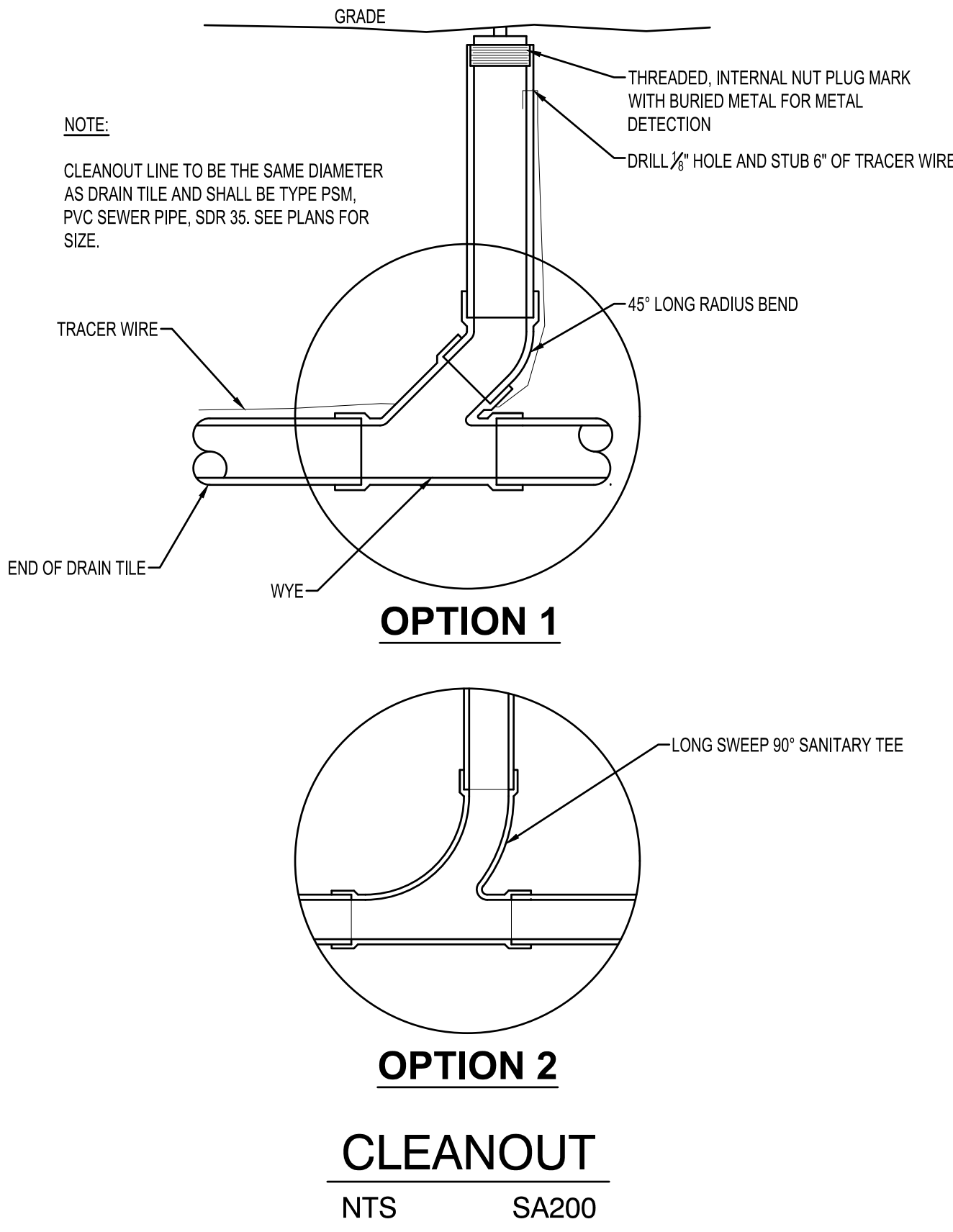
**RAIN GARDEN (BIOFILTER)**  
NTS SD750

**SITE DETAILS**

SHEET **C0-20**



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02/01/2017



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CLIENT PROJECT NO.	-

TITLE

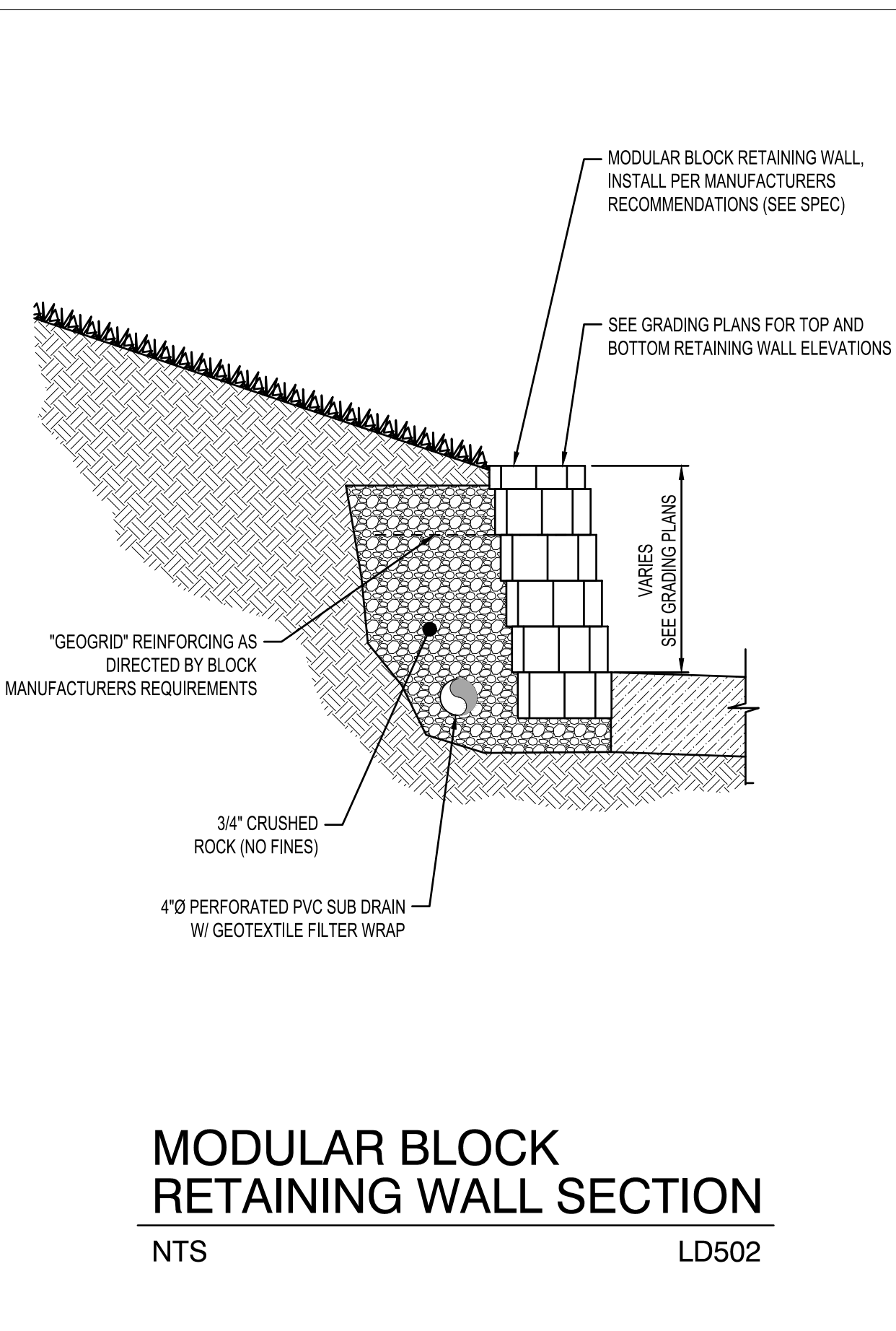
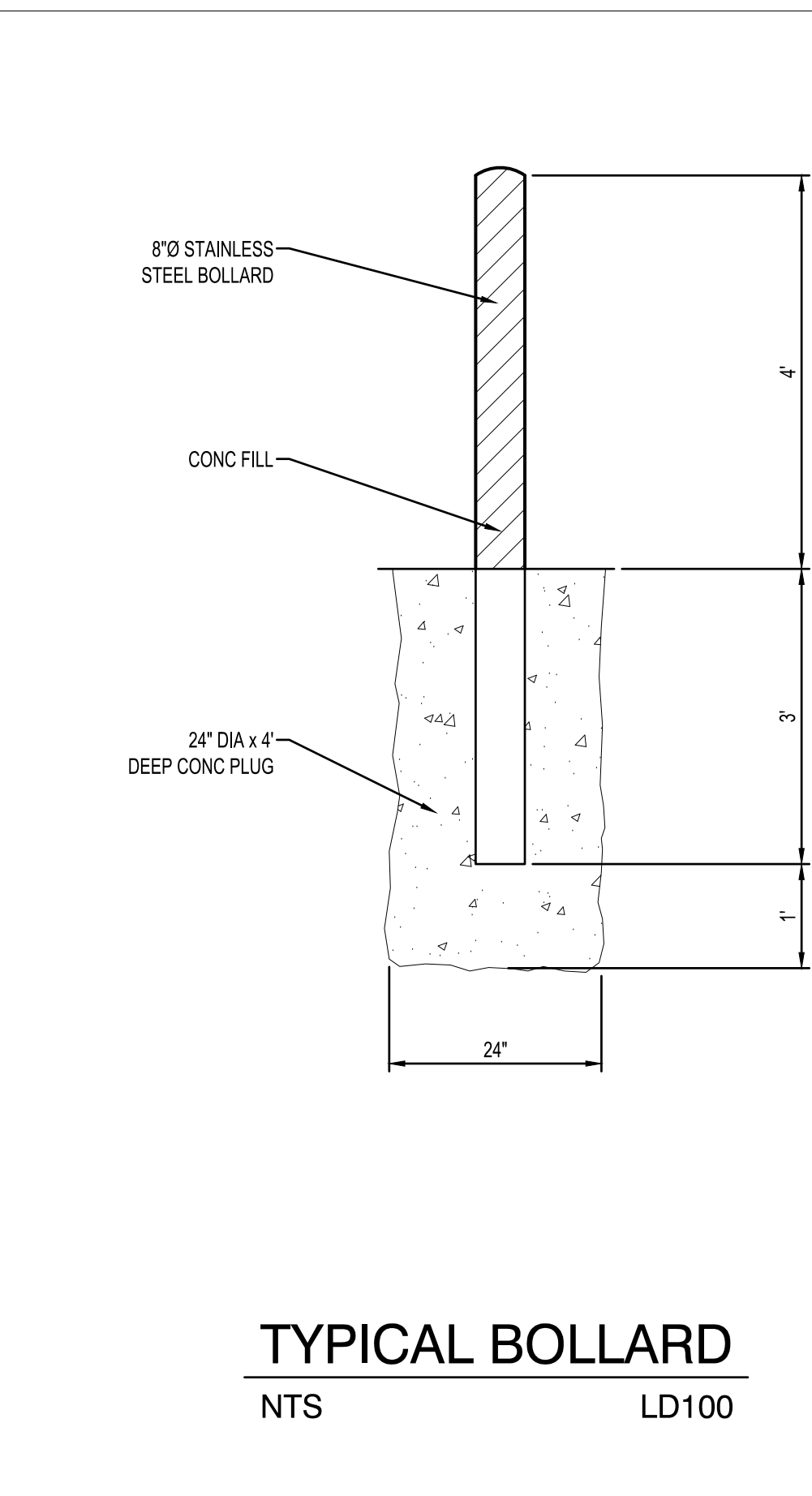
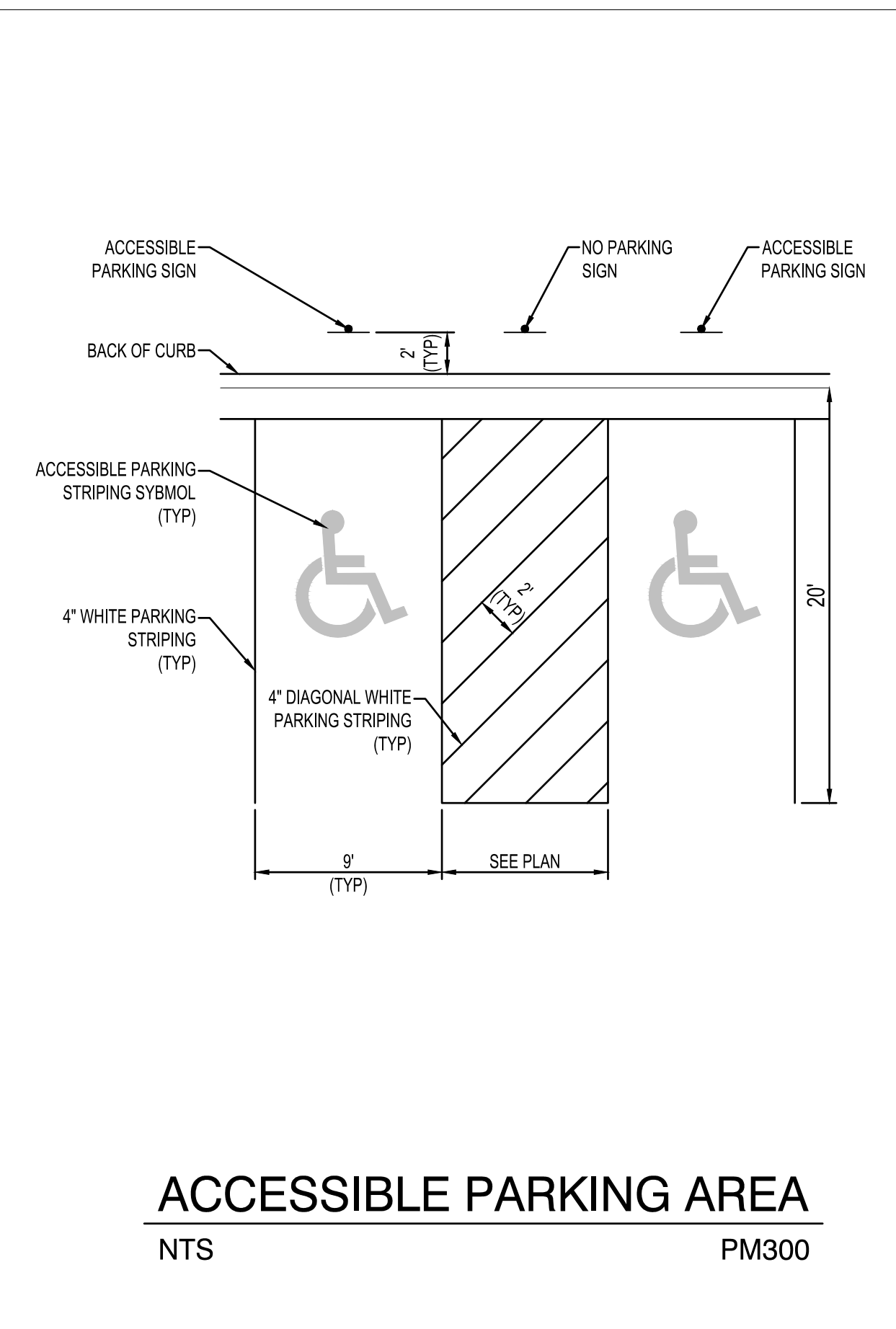
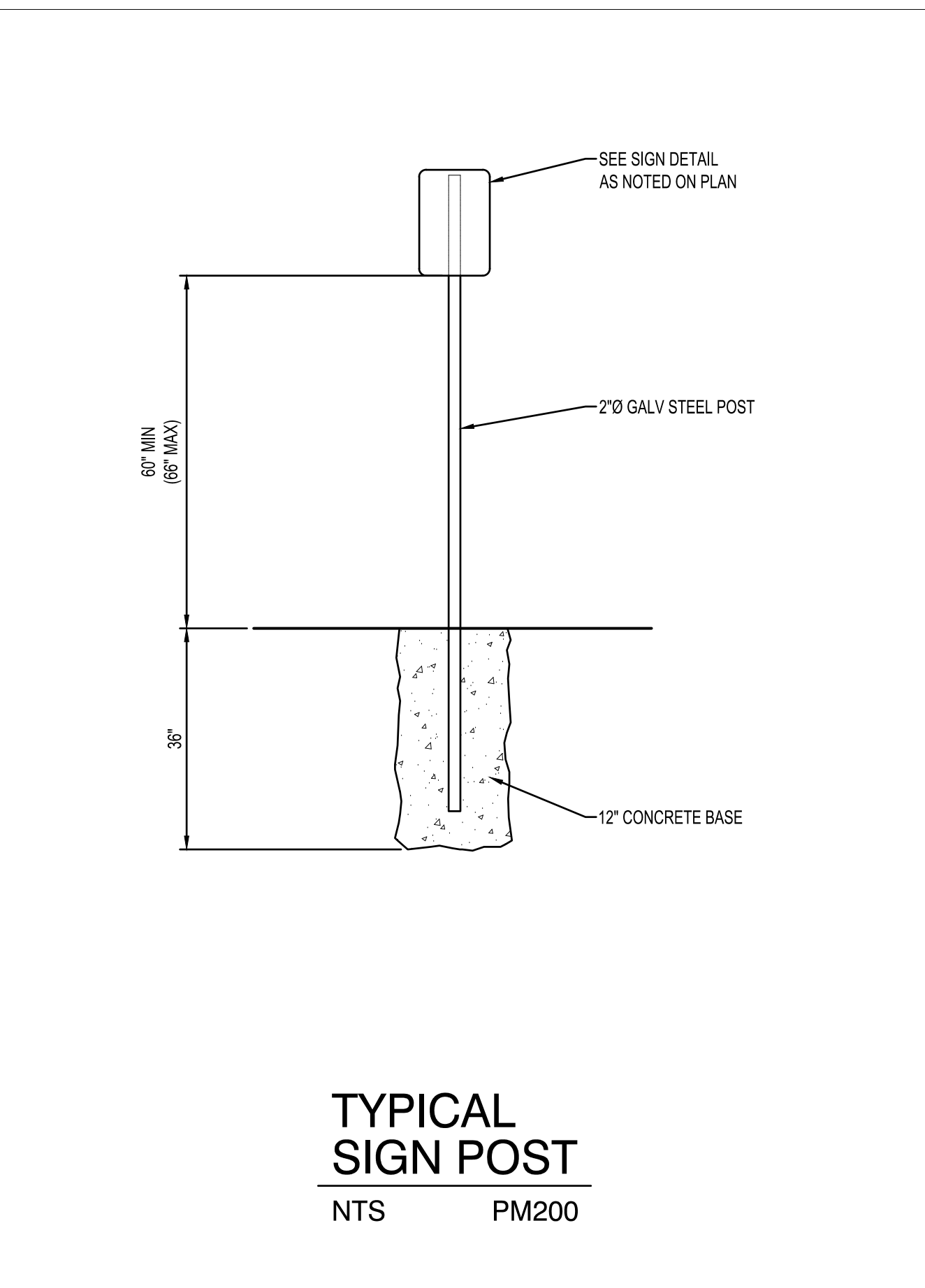
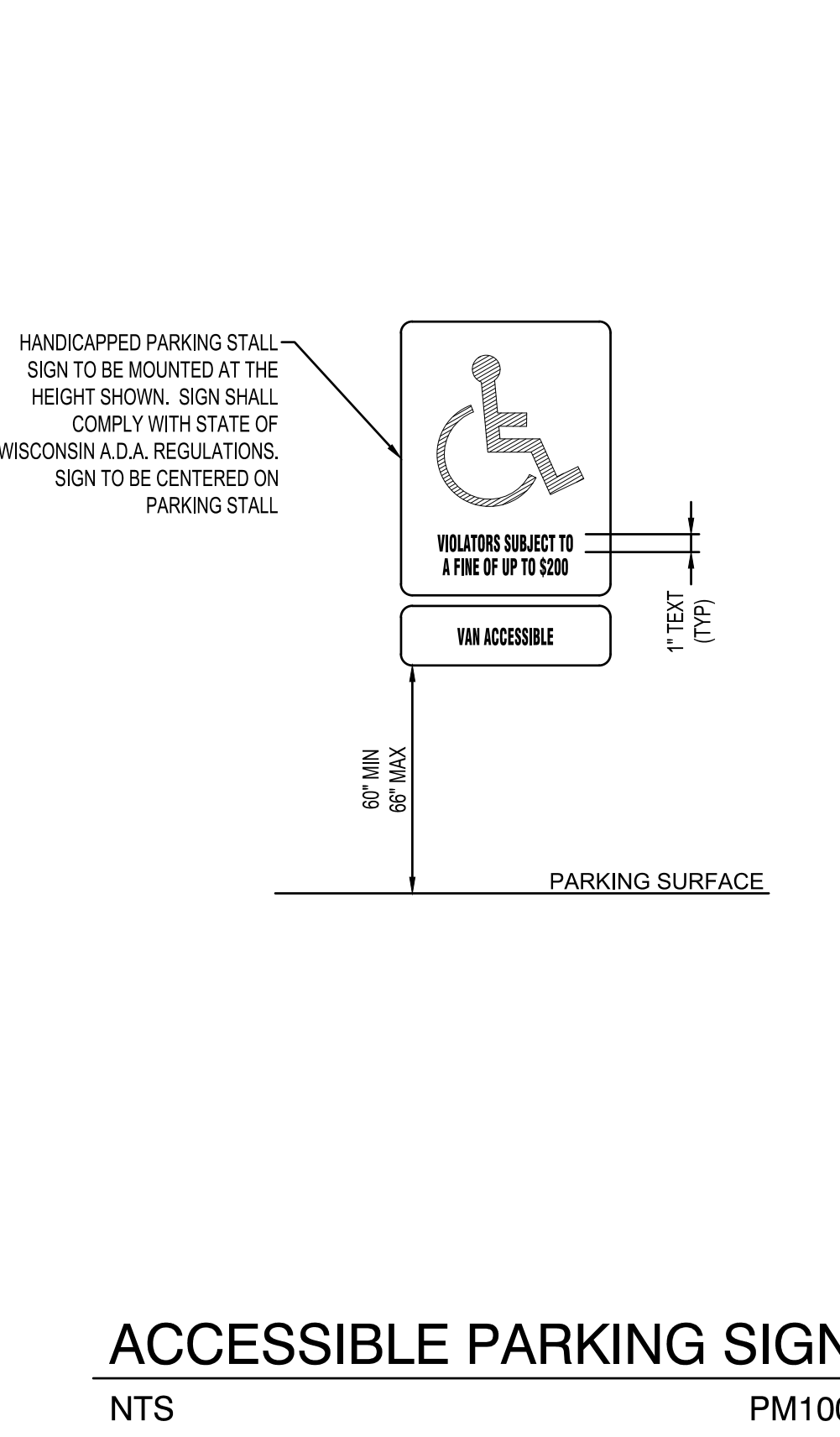
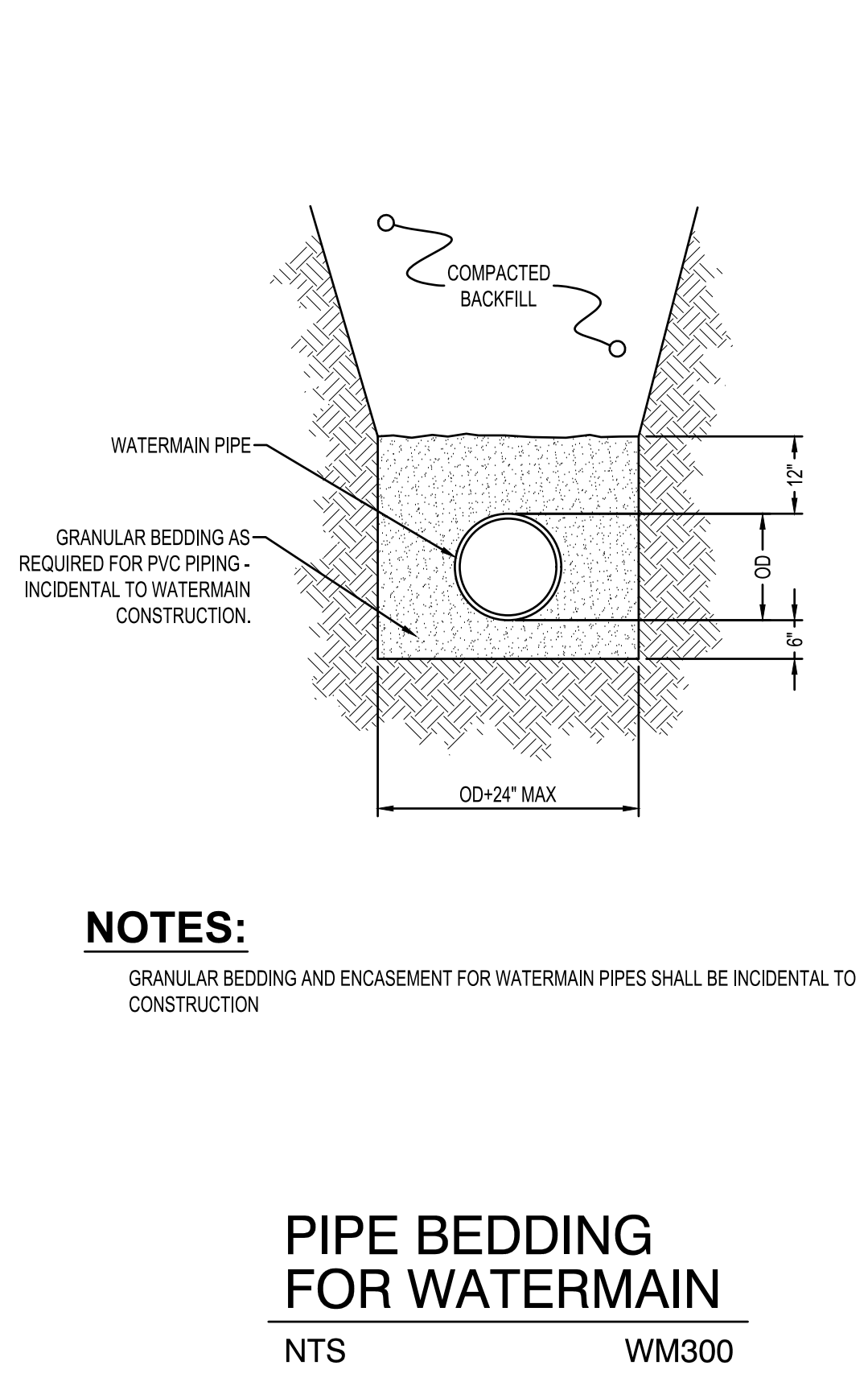
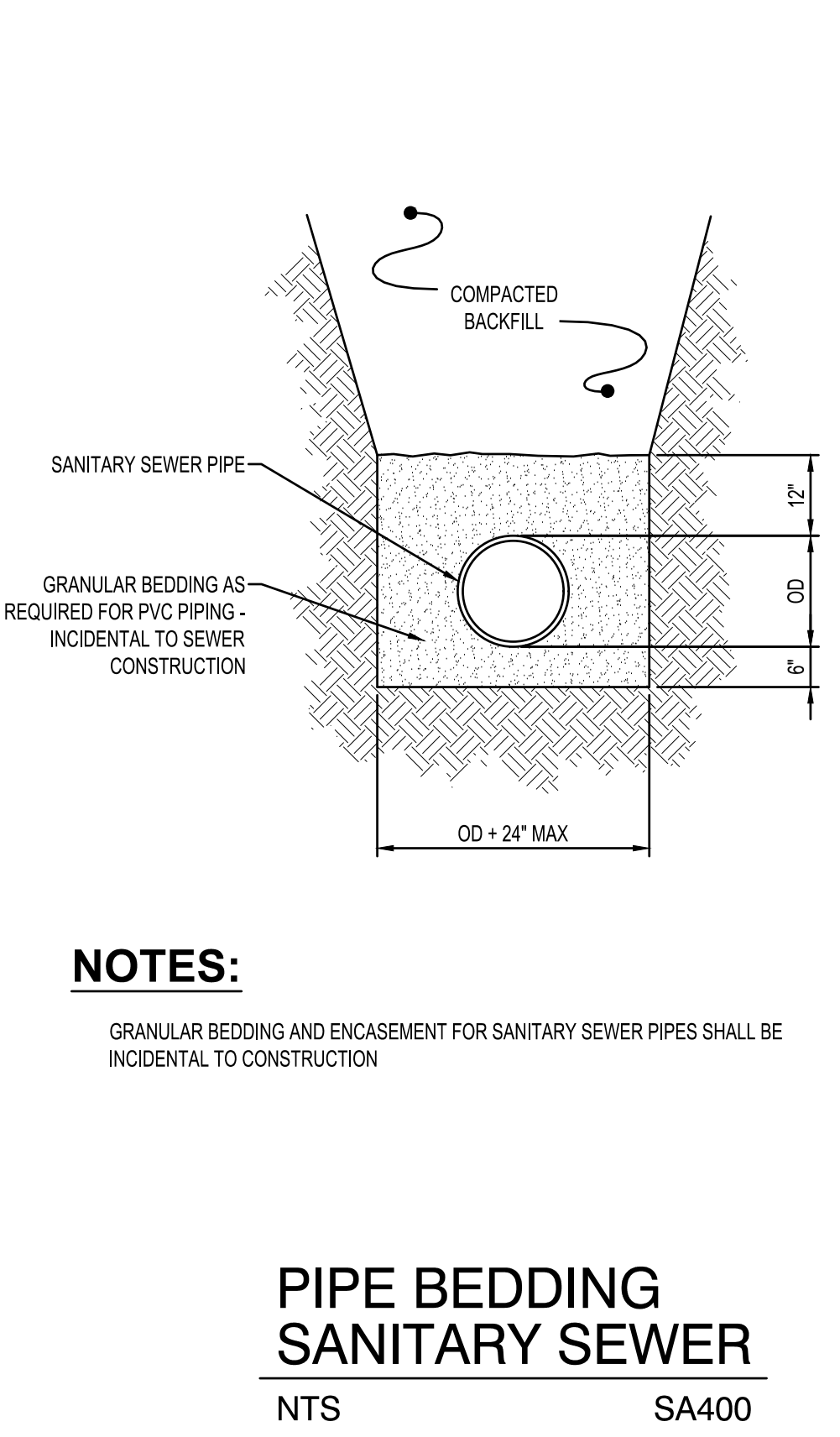
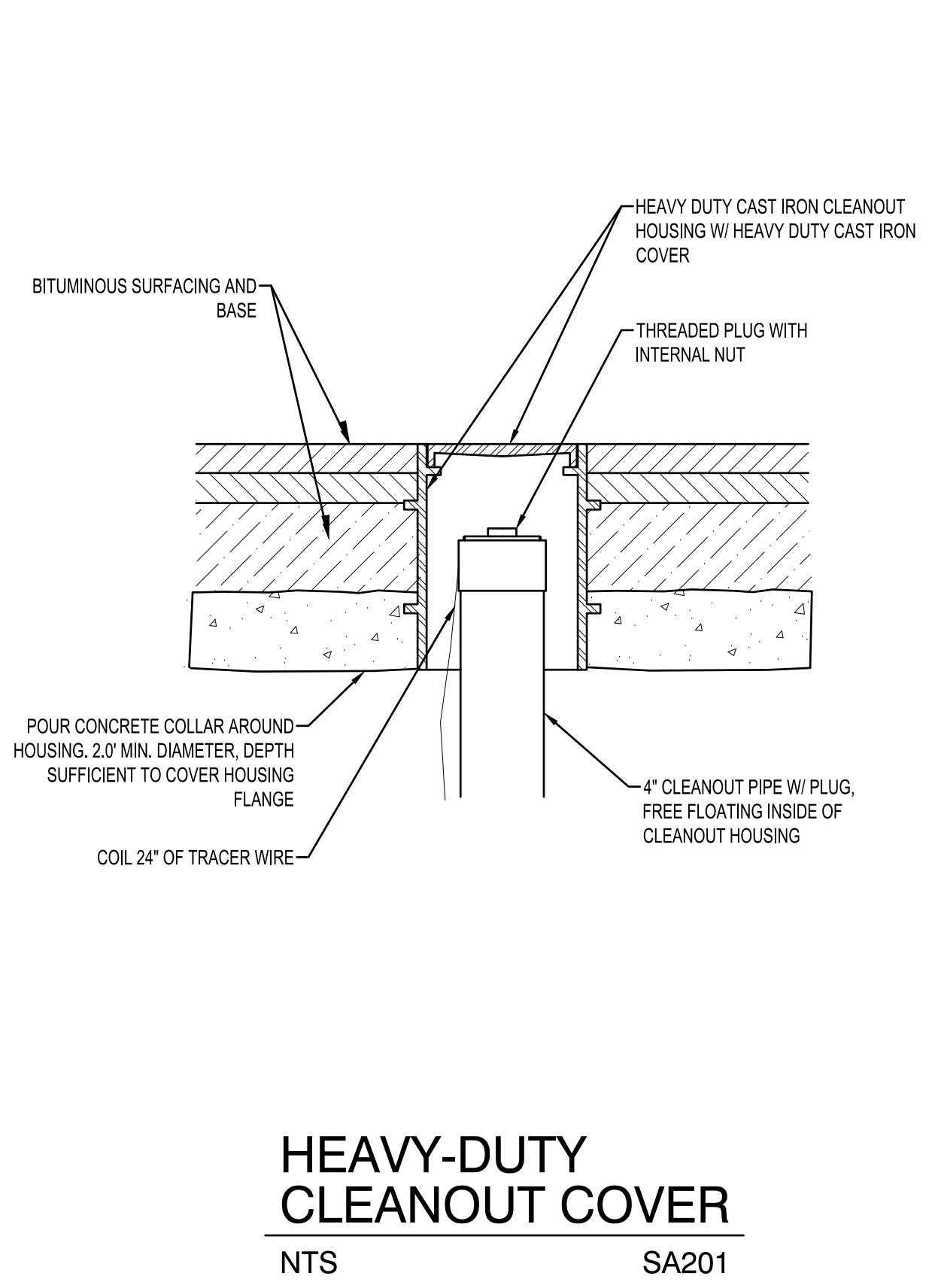
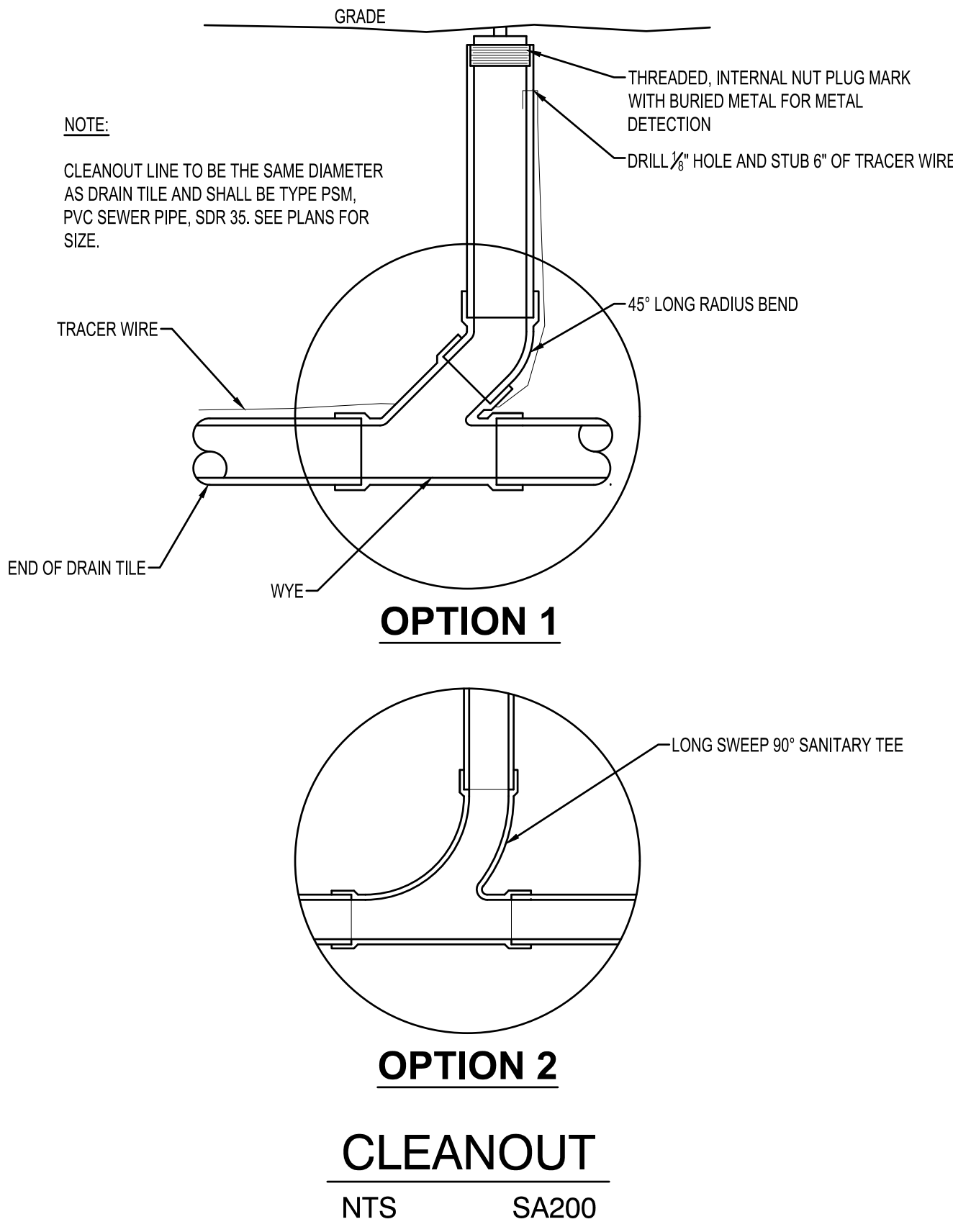
**SITE DETAILS**

SHEET

**C0-21**



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PROJECT  
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**SITE DETAILS**

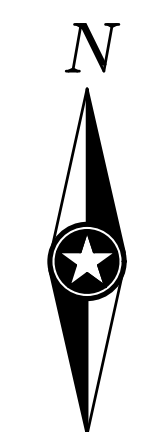
SHEET  
**C0-22**





EROSION CONTROL LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	2573.530	EXISTING STORM DRAIN INLET PROTECTION	EACH	7
		EXISTING DRAINAGE ARROW		

\* PERIMETER CONTROL CAN BE SILT FENCE, BIO-ROLL OR WOOD MULCH.  
 \*\* QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.  
 \*\*\* THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.  
 \*\*\*\* SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT  
 NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.



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TITLE  
**EROSION CONTROL PLAN - EXISTING CONDITIONS**

SHEET  
**C1-10**

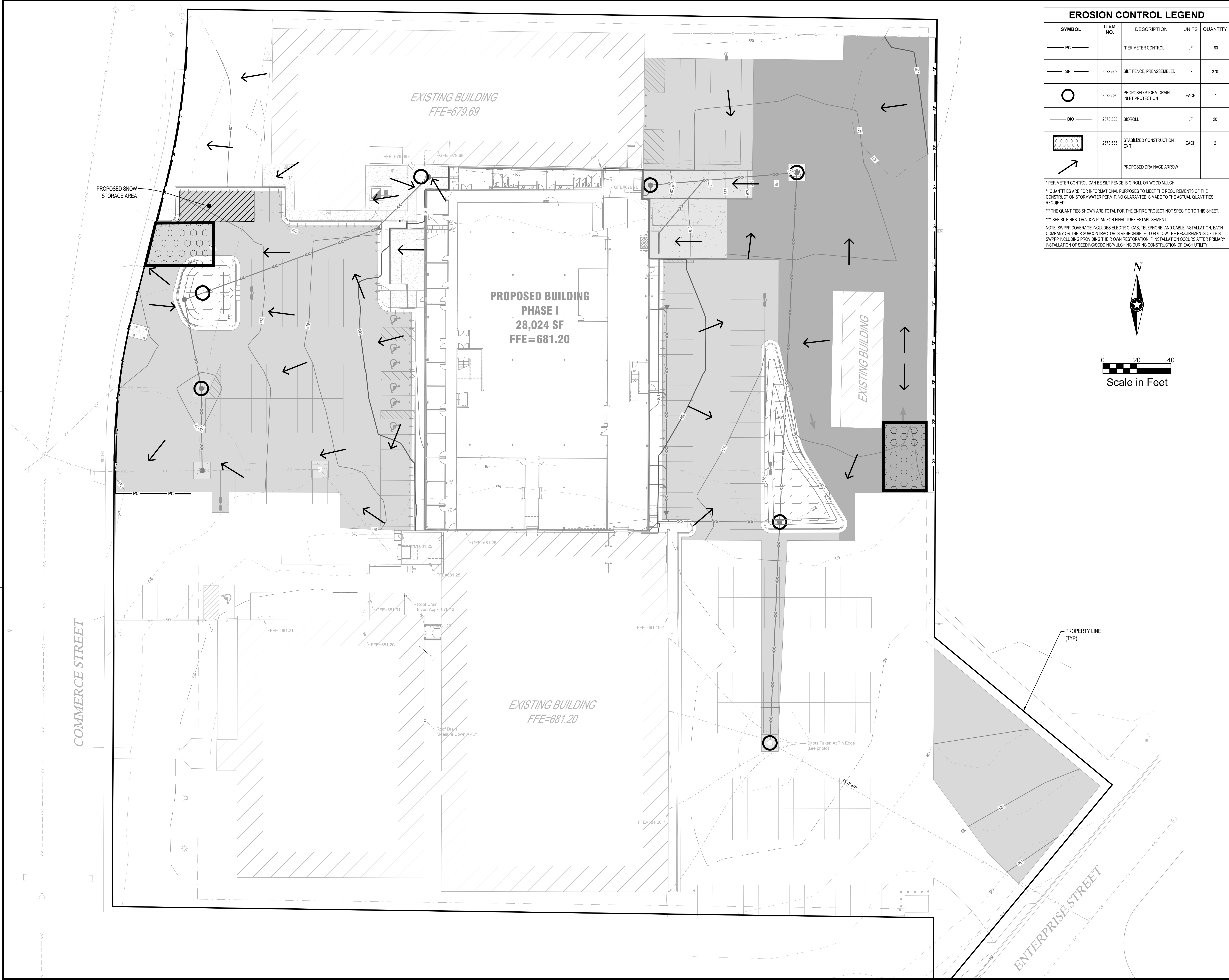




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EROSION CONTROL LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
— PC —		*PERIMETER CONTROL	LF	180
— SF —	2573.502	SILT FENCE, PREASSEMBLED	LF	370
○	2573.530	PROPOSED STORM DRAIN INLET PROTECTION	EACH	7
— BIO —	2573.533	BIOROLL	LF	20
□	2573.535	STABILIZED CONSTRUCTION EXIT	EACH	2
↗		PROPOSED DRAINAGE ARROW		

\* PERIMETER CONTROL CAN BE SILT FENCE, BIO-ROLL OR WOOD MULCH.  
 \*\* QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.  
 \*\*\* THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.  
 \*\*\*\* SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT  
 NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.



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### EROSION CONTROL PLAN - PROPOSED CONDITIONS

SHEET

C1-20



**STORM WATER POLLUTION PREVENTION PLAN NOTES:**

**GENERAL PROJECT INFORMATION:**

**PROJECT NARRATIVE:**

This project consists of the construction of a 28,024 sf building, bituminous pavement, concrete pavement, concrete sidewalk, curb & gutter, storm service, sanitary service, and water service, along with all the necessary grading, paving, utilities, erosion control, site restoration, and any incidental items.

**RESPONSIBLE PARTIES:**

Contractor and Owner are required to apply for and receive a Wisconsin Pollution Discharge Elimination System (WPDES) Stormwater Construction Permit from the WDNR at least 14 working days prior to beginning work. Contractor and Owner are required to apply for and receive a City of Green Bay Erosion Control Permit at least 15 working days prior to beginning of work.

Contractor and owner shall identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMP's who will oversee the implementation of the Erosion Control Plan according to City of Green Bay Erosion Control Ordinance and WDNR requirements.

Company: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Company: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Owner shall identify the entity responsible for the long term Operation and Maintenance of the storm water management system.

Company: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

**PROJECT AREAS:**

Total project size (disturbed area) = 2.57 acres

Minimum area requiring WDNR permit = 1.00 acres

**\*\*PROJECT DOES REQUIRE A WPDES PERMIT\*\***

Existing area of impervious surface = 4.86 acres

Post construction area of impervious surface = 4.97 acres

Total new impervious surface area created = 0.11 acres

Minimum area of new impervious surface created requiring permanent storm water management = 1.00 acres

**RECEIVING WATERS:**

Surface waters which will receive storm water from the site within 1 mile (aerial radius measurement) of project boundary. Include waters shown on USGS 7.5 minute quad and all waters identified in Appendix A of the permit.

Name of Water Body	Type (ditch, pond, wetland, lake, etc.)	Appendix A Special or Impaired Water?
Mississippi	River	Impaired
La Crosse	River	Impaired

Additional BMPs together with enhanced runoff controls are required for discharges to Special or Impaired waters within 1 mile of the site. (See Appendix A)

**SOIL TYPES:**

Silty Sand  
Clayey Sand  
Poorly Graded Sand

**CONSTRUCTION ACTIVITY NOTES:**

**EROSION PREVENTION:**

Construction of silt fence and all other erosion control measures shall be complete before other construction activity occurs. Use phased construction wherever practical and establish turf as soon as possible to minimize sediment transport.

Turf establishment or temporary seeding or mulching of all exposed soil not being actively worked should be practiced following the table below:

Type of Slope or Disturbance Area	Time Area can Remain Open Without Being Actively Worked	
	Normal Water	Impaired
Slopes less than 3:1	14 days	7 days
10:1 to 3:1	14 days	7 days
Flatter 10:1	14 days	7 days
Ditches	1 day	1 day
Pipe Ends	1 day	1 day
Within 200 Feet of Surface Water	1 day	1 day

Temporary cover during construction is incidental.

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

All exposed soils shall be seeded or sodded at the earliest possible time to prevent/reduce erosion.

A. Seeding shall be WisDOT seed mixture #75 for rain garden seeding and Wisdot seed mixture #40 for all other seeding areas. Seeding shall be in accordance with WisDOT Specification Section 630.

B. Sodding shall be applied according to WisDOT Specification Section 631.

C. Temporary mulching shall be applied at a rate of 2 tons/acre. Mulch shall be disc anchored.

Additional erosion prevention measures may be found at the Wisconsin Department of Natural Resources Best Management Practices.

**SEDIMENT CONTROL PRACTICES:**

Construction of silt fence and all other erosion control measures shall be complete prior to land disturbing activities occur.

Inlet erosion protection shall be installed and maintained until turf or pavement has been established.

The contractor shall be responsible to control erosion from leaving the construction zone. All eroded material that leaves the construction zone shall be collected by the contractor and returned to the site at the contractor's expense.

Contractor shall maintain a 50-foot natural buffer or use redundant sediment controls near surface waters if a buffer is not feasible.

Contractor shall take the necessary steps to minimize soil compaction and preserve topsoil on site.

All streets must be swept within 24 hours when any trucking occurs.

Silt fence or other effective erosion control measures must be installed around the perimeter of any soil stockpiled, including temporary stockpiles, at this location or any other on the project site. Stockpiles cannot be placed in surface waters, including storm water conveyances such as curb and gutter systems, or conduits and ditches.

Perimeter control shall be installed along the back of curb immediately following curb installation at all locations with positive drainage to parking lot and/or streets, and remaining until stabilization is achieved. This shall be accomplished through the use of silt fence. (Biorolls, Rock logs, or other methods approved by the engineer prior to installation shall also be placed acceptable)

**CONSTRUCTION ACTIVITY NOTES:**

**DEWATERING AND BASIN DRAINING:**

Dewater sediment-laden water to sedimentation basins if possible, or use other BMP's to prevent erosion when discharging to surface waters. Use appropriate energy dissipation measures on all discharges.

Dewatering practices cannot cause nuisance conditions, erosion or in receiving channels or inundation of wetlands resulting in adverse impacts.

**POLLUTION PREVENTION:**

All solid waste collected from the construction site must be disposed in accordance with all applicable regulations.

All hazardous materials (oil, gasoline, fuel, paint, etc) must be properly stored to prevent spills, leaks, or other discharge. Storage areas shall provide secondary containment and a hazardous materials spill kit. Equipment fueling and maintenance shall occur in a designated, contained area. Storage and disposal of hazardous waste must be in compliance with all applicable regulations. All runoff containing any hazardous material must be properly collected and disposed. No engine degreasing shall be allowed on site.

All sanitary wastes must be collected from portable units on site by a licensed sanitary waste management contractor. The units must be secured and shall be maintained on a regular basis as needed to prevent overflowing.

Emergency Spill Plan - The Contractor is responsible for all construction personnel to be informed of the manufacturers' recommended spill cleanup methods, and the location of that information and cleanup supplies. The Contractor shall modify the SWPPP as required within seven calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. Plans must identify measures to prevent the recurrence of such releases. If a spill occurs, the following steps shall be followed:

1. Observe the safety precautions associated with the spilled material. Stop the source of the spill, if you can do so safely. Call 911 if fire or public safety hazards are created.
2. Contain the spilled material. Dirt, sand, or any semi-impermeable material may be used to create a containment structure to prevent the material from flowing.
3. Report the spill to Wisconsin's Spill Hotline at (800) 943-0003.
4. Clean up the spilled material and dispose of the wastes properly.

The contractor is responsible for monitoring air pollution and ensuring it does not exceed levels set by local, state, or federal regulations. This includes dust created by work being performed on the site. Air pollution and dust control correction is considered incidental to the unit bid prices for which work is being performed. Additional dust control measures may be required by the Engineer.

Concrete washout off site: All liquid and solid wastes generated by concrete washout must be contained and not have the opportunity to come in contact with the surface waters or ground water. This includes ditches, slopes to ditches, curb and gutter, storm sewer systems, and ponds. All excess water and concrete must leave the site within the concrete trucks. Liquid and solid wastes must be disposed of properly.

**INSPECTION AND MAINTENANCE:**

The Permittees must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours of a rainfall event greater than 0.5 inches in a 24 hour period.

All inspections performed during construction must be recorded and records retained with the erosion plan in accordance with the Permit. Contractor is responsible for keeping a record of all rainfall data & erosion control maintenance until final establishment of turf.

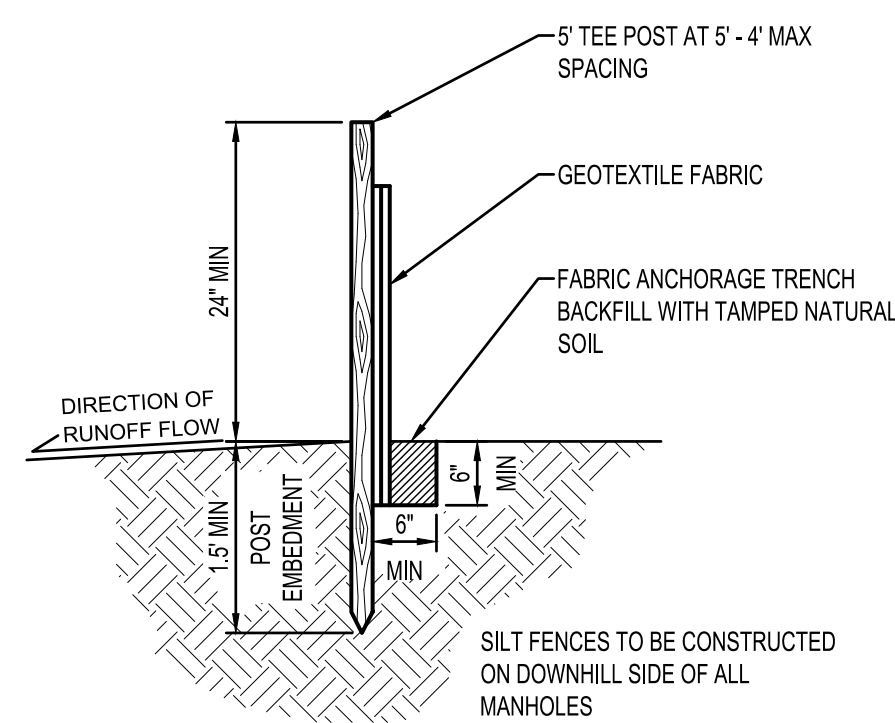
Erosion control and other BMP's must be replaced, repaired, or supplemented when they reach 33% design load.

**FINAL STABILIZATION:**

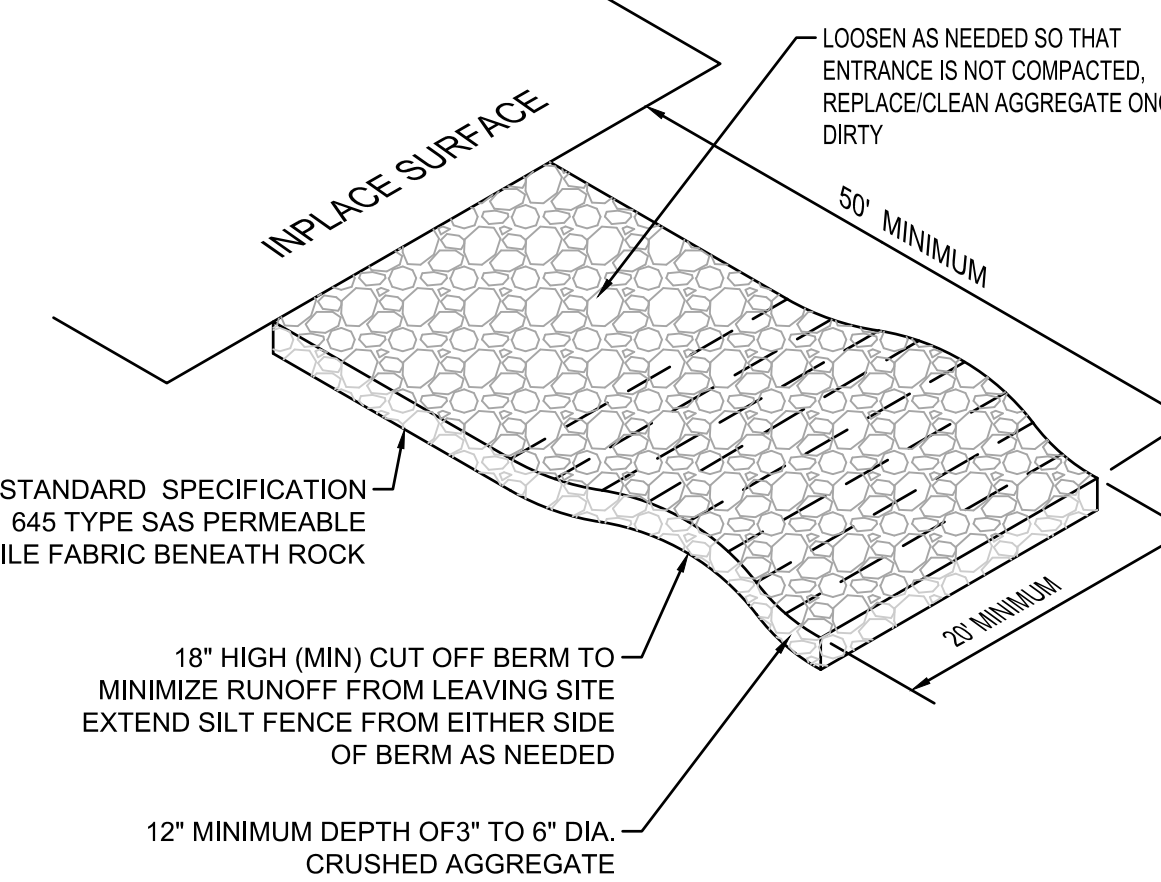
The Contractor must ensure final stabilization of the site. The Contractor must submit a Notice of Termination when the site has undergone final stabilization and all stormwater discharges associated with the construction site activities that require to have WPDES coverage have ceased.

All temporary erosion control measures and BMP's must be removed as part of the final site stabilization.

The storm water permit further defines final stabilization and its requirements.

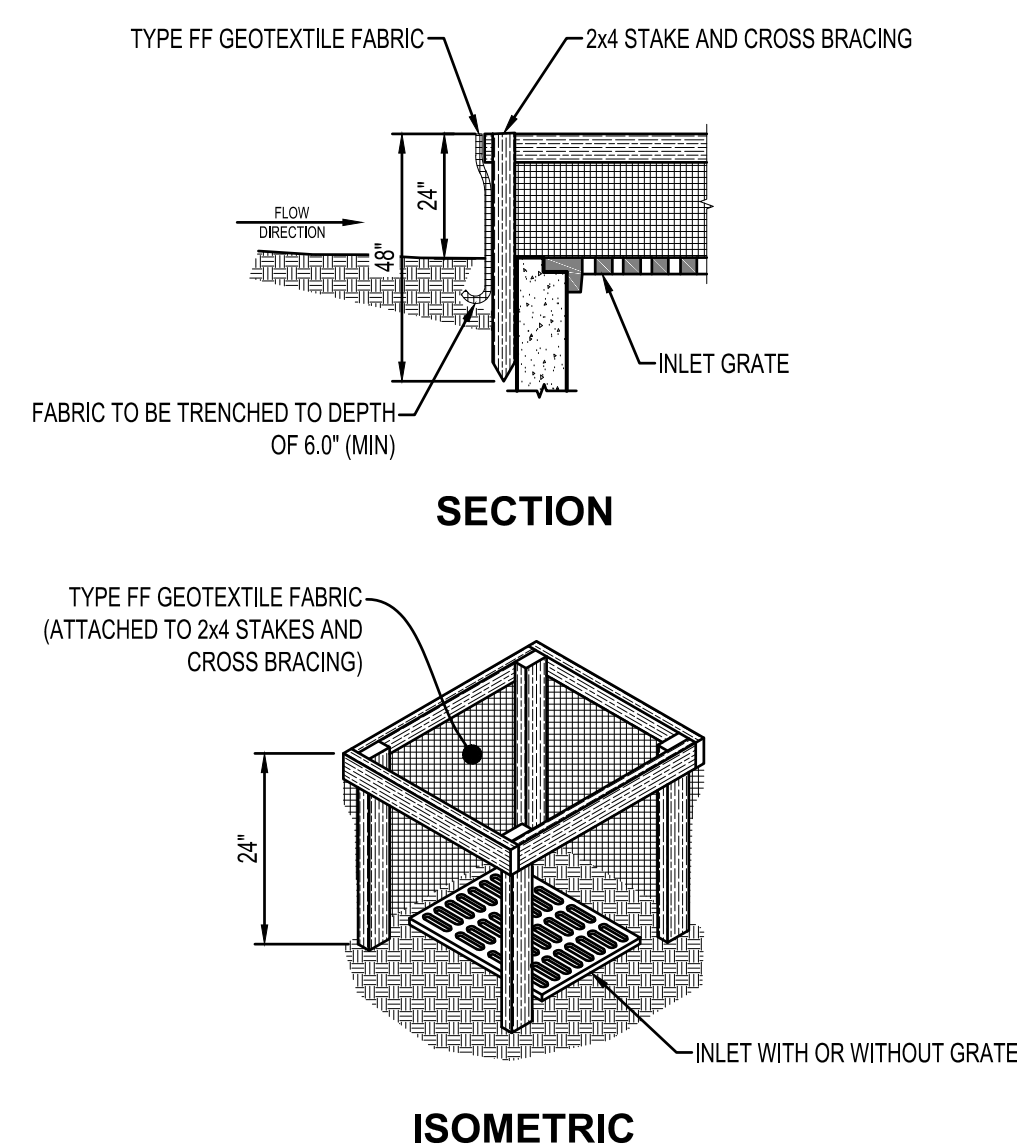


**SILT FENCE**  
NTS EC100



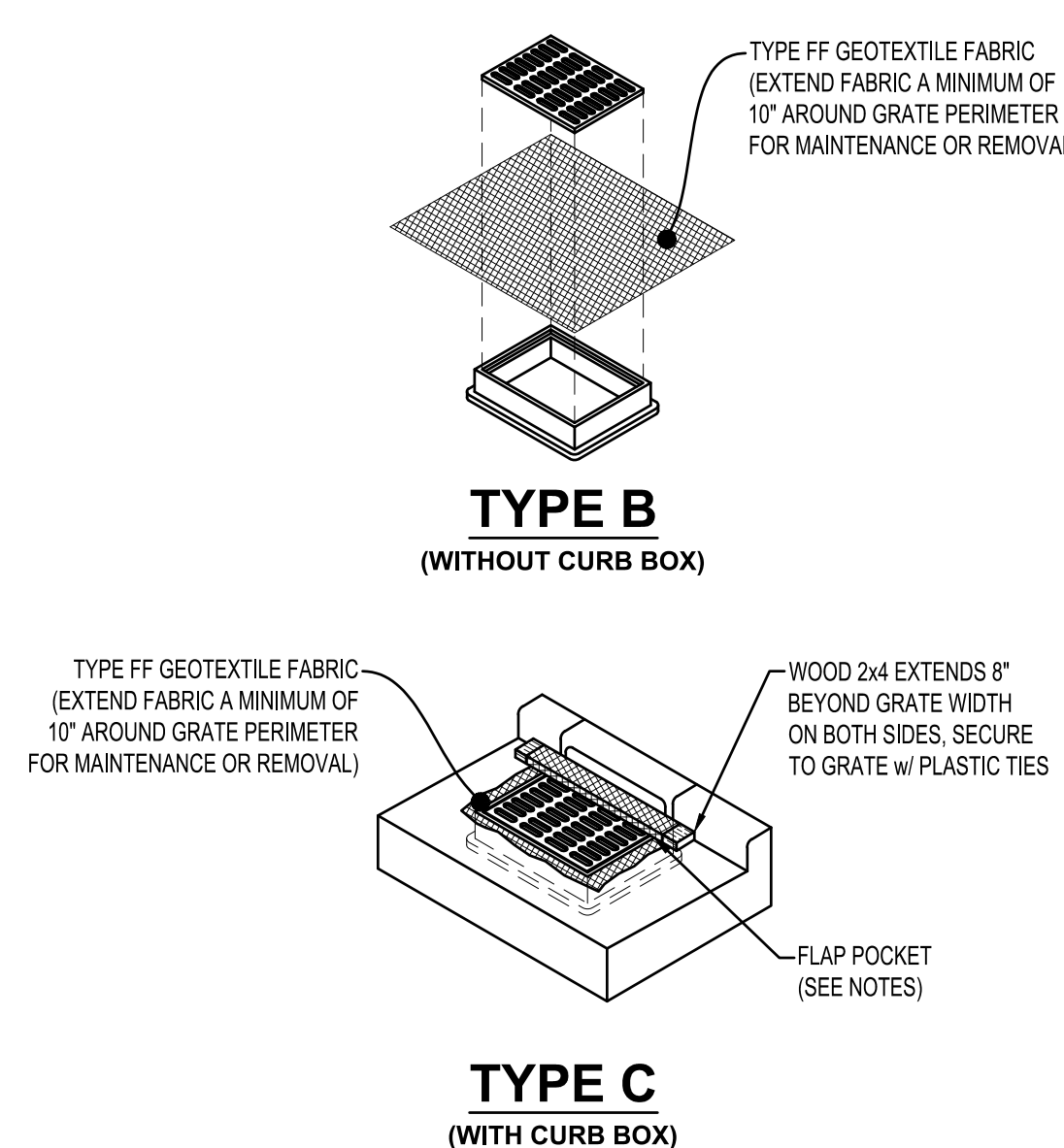
WISDOT STANDARD SPECIFICATION - 645 TYPE SAS PERMEABLE GEOTEXTILE FABRIC BENEATH ROCK

**ROCK CONSTRUCTION ENTRANCE**  
NTS EC600



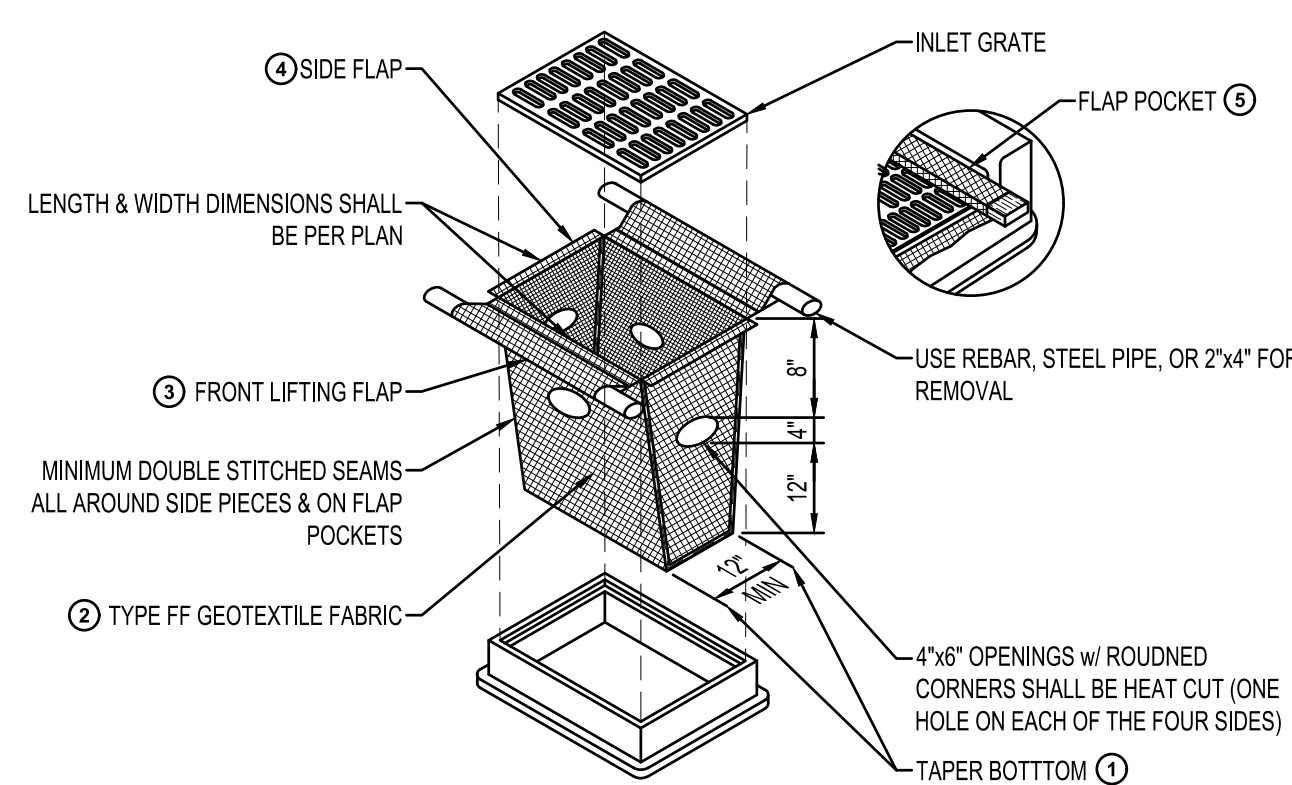
**NOTES:**  
WHEN REMOVING OR MAINTAINING PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

**TYPE A INLET PROTECTION**  
NTS EC220



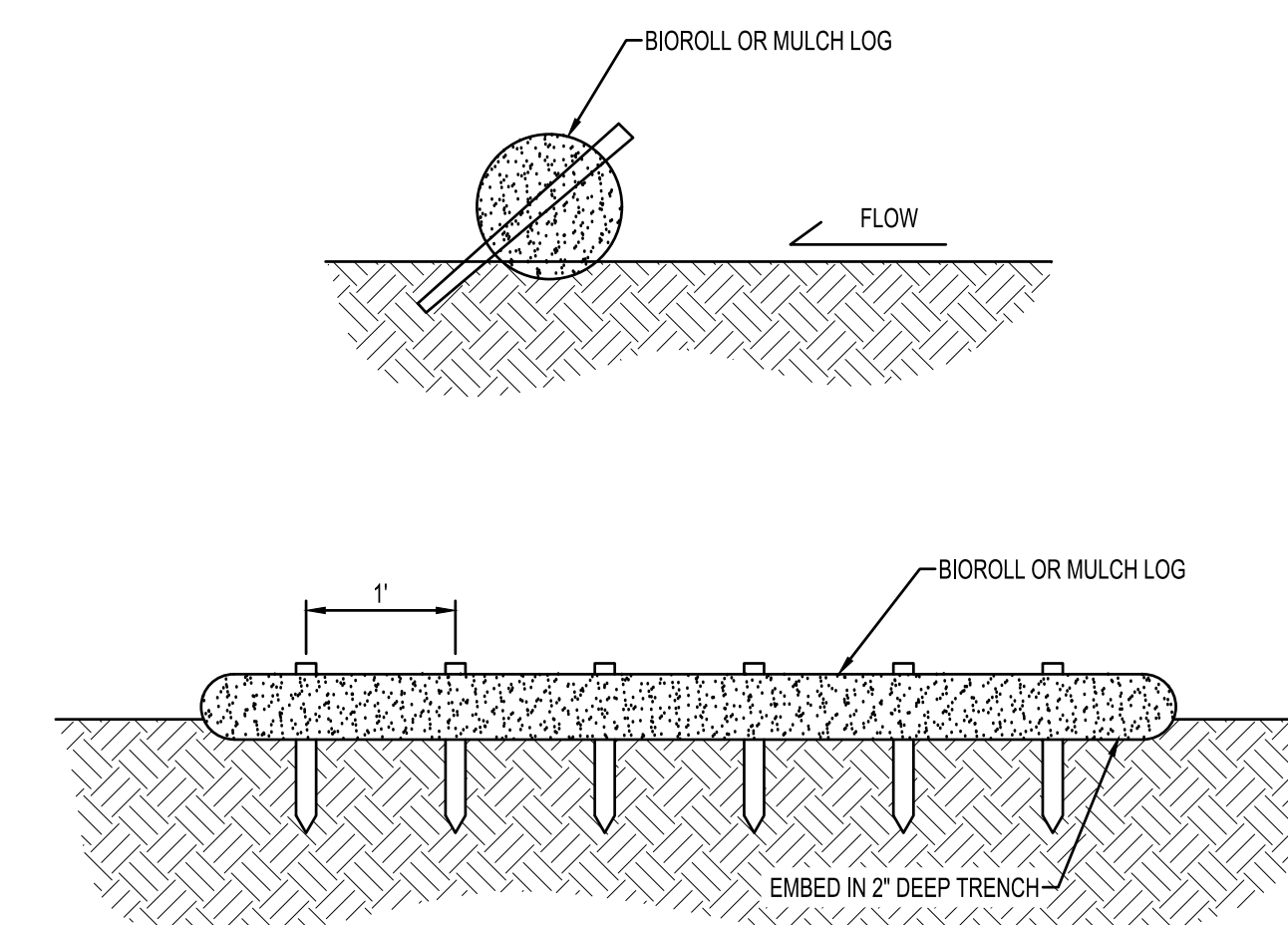
**NOTES:**  
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REBAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.  
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

**TYPES B & C INLET PROTECTION**  
NTS EC221



**NOTES:**  
① TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG & THE STRUCTURE MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.  
② GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP & BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, & BOTTOM OF FILTER BAG BEING ONE PIECE.  
③ FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING & MAINTAINING FILTER BAG.  
④ SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER & REINFORCE WITH MULTIPLE STITCHES.  
⑤ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REBAR FLAP & SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.  
CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES  
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

**TYPE D INLET PROTECTION**  
NTS EC222



**NOTES:**  
BIOROLL/MULCH LOGS TO BE 6" DIAMETER UNLESS OTHERWISE NOTED.  
STAKED INTO THE GROUND WITH WOOD STAKES.  
WOOD STAKES ARE A MINIMUM OF 2"x16" UNLESS PRECLUDED BY PAVED SURFACE OR ROCK.  
WOOD STAKES DRIVEN THROUGH BACK HALF OF BIOROLL OR WOOD MULCH LOG AT AN APPROXIMATE ANGLE OF 45° WITH THE TOP OF STAKE POINTING UP STREAM.  
WHEN MORE THAN ONE BIOROLL IS NEEDED, OVERLAP ENDS A MINIMUM OF 6" AND STAKE

**BIOROLL STAKING**  
NTS EC300



WI DSPS BUILDING REVIEW SET  
02/01/2017

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PROJECT

**DURATECH INDUSTRIES BUILDING ADDITION**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18735
FILE NAME	18735 C1-SWPPP
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	-

TITLE

**EROSION CONTROL PLAN NOTES & DETAILS**

SHEET

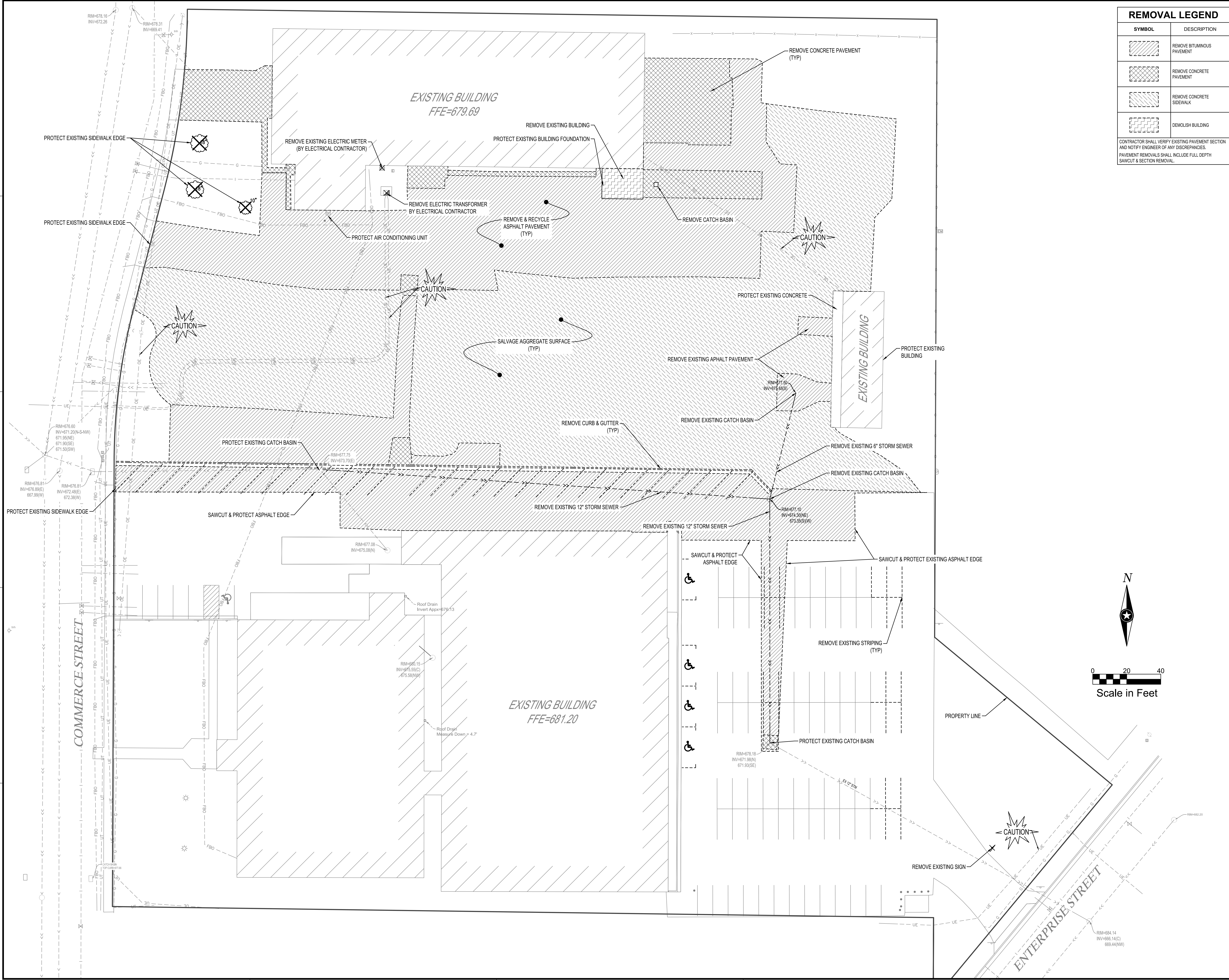




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REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE PAVEMENT
	REMOVE CONCRETE SIDEWALK
	DEMOLISH BUILDING

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT & SECTION REMOVAL.



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PROJECT

### DURATECH INDUSTRIES BUILDING ADDITION

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

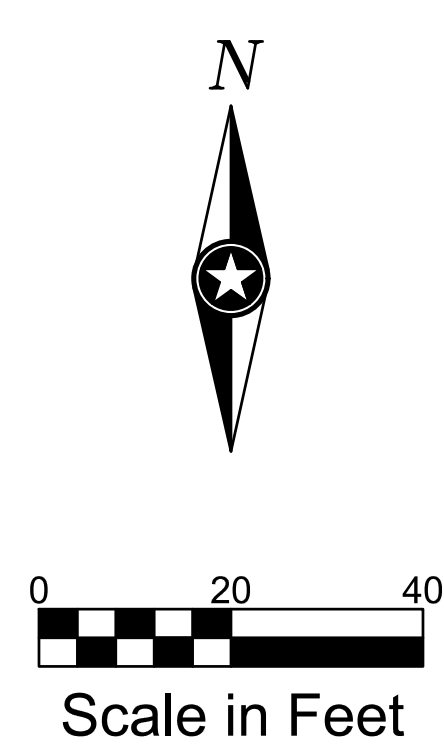
PROJECT NO.	18735
FILE NAME	18735 C2-EXIST
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	-

TITLE

### EXISTING SITE & REMOVALS PLAN

SHEET

C2-10







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02/01/2017

SITE HATCH LEGEND	
SYMBOL	DESCRIPTION
	ASPHALTIC PAVEMENT (3")
	HEAVY-DUTY ASPHALTIC PAVEMENT (4")
	CONCRETE PAVEMENT
	CONCRETE SIDEWALK
	RAIN GARDEN

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

SITE SUMMARY			
ZONING:	M2 HEAVY INDUSTRIAL DISTRICT		
SITE/LOT AREA:	262,743 SQ FT / 6.03 AC		
IMPERVIOUS AREA:	216,387 SQ FT / 4.97 AC		
GREENSPACE PROVIDED:	46,376 SQ FT / 1.06 AC		
PARKING REQUIREMENTS (PER CITY CODE)			
TYPE	UNIT / AREA	STALLS REQUIRED	STALLS PROVIDED
EXISTING STALLS	-	-	79
PROPOSED STALLS	-	-	90
ACCESSIBLE STALLS	-	6	6
TOTAL:		-	175
SETBACKS			
	PARKING	BUILDING	
FRONT YARD	5'	50'	
REAR YARD	5'	25'	
SIDE YARD	5'	10'	

SITE SUMMARY			
	UNITS	PERCENT	
EXISTING BUILDING	65,610 SF	25%	
PROPOSED BUILDING	28,024 SF	11%	
IMPERVIOUS AREA	122,733 SF	46%	
PERVIOUS AREA	46,376 SF	18%	
TOTAL LOT COVERAGE	262,743 SF	100%	

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PROJECT

**DURATECH INDUSTRIES BUILDING ADDITION**

LA CROSSE WISCONSIN

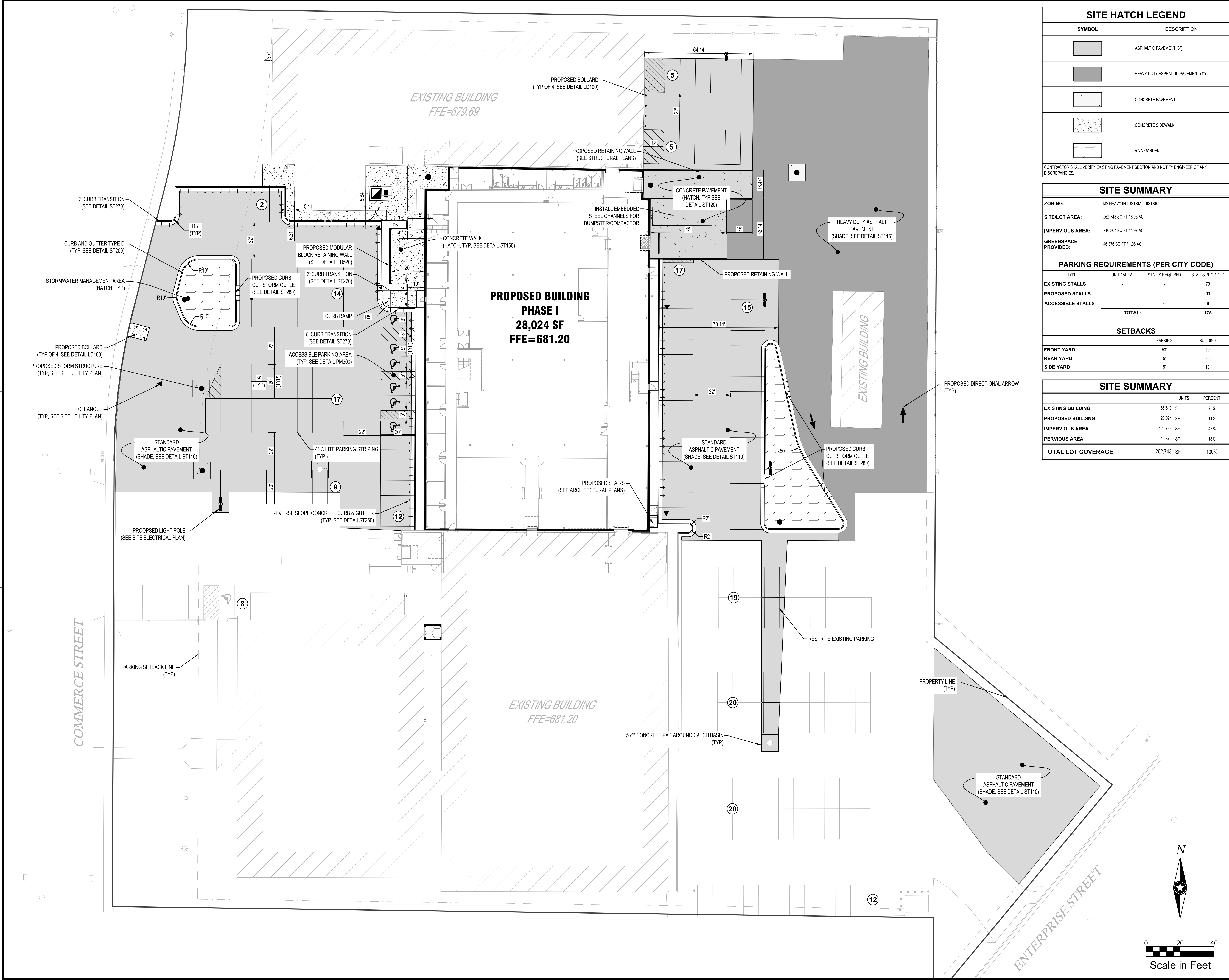
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18735
FILE NAME	18735 C3-SITE
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	-

TITLE

**PROPOSED SITE PLAN**

SHEET **C3-10**





**LEGEND**

EXISTING	PROPOSED
--->---	STORM DRAIN
--->---	SANITARY SEWER
--->---	SANITARY SEWER FORCEMAIN
---	WATER
---	UNDERGROUND TELEPHONE
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	UNDERGROUND TV
---	GAS
---	WETLAND
---	WATER SHORELINE
---	FENCE LINE
---	CONTOURS (MAJOR)
---	CONTOURS (MINOR)
---	PROPERTY LINE
---	SPOT ELEVATION
---	TOP OF CURB SPOT ELEVATION

NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

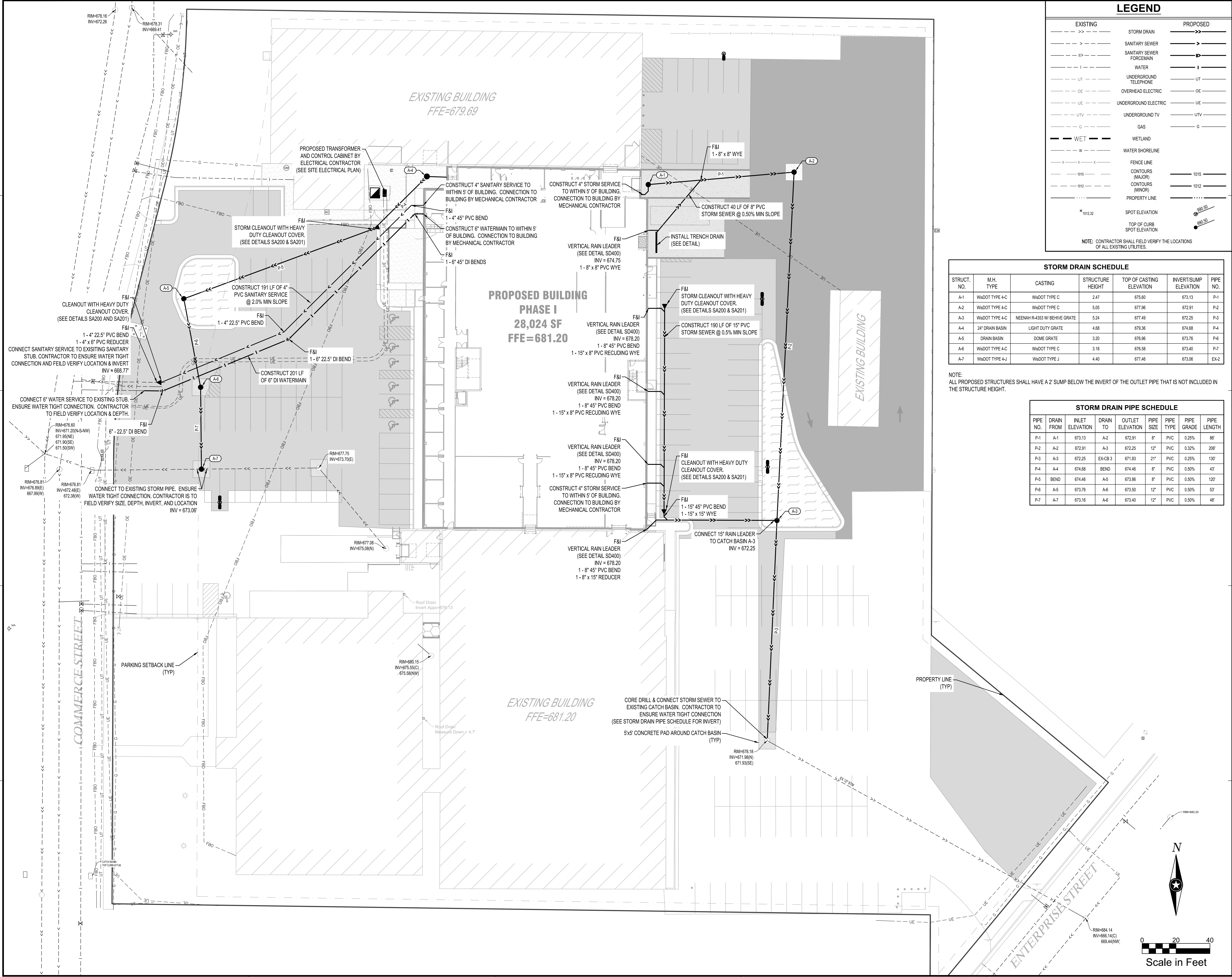
**STORM DRAIN SCHEDULE**

STRUCT. NO.	M.H. TYPE	CASTING	STRUCTURE HEIGHT	TOP OF CASTING ELEVATION	INVERT/SUMP ELEVATION	PIPE NO.
A-1	W8DOT TYPE 4-C	W8DOT TYPE C	2.47	675.60	673.13	P-1
A-2	W8DOT TYPE 4-C	W8DOT TYPE C	5.05	677.96	672.91	P-2
A-3	W8DOT TYPE 4-C	NEENAH R-4333 W/ BEHVE GRATE	5.24	677.49	672.25	P-3
A-4	24" DRAIN BASIN	LIGHT DUTY GRATE	4.68	678.36	674.68	P-4
A-5	DRAIN BASIN	DOME GRATE	3.20	676.96	673.76	P-6
A-6	W8DOT TYPE 4-C	W8DOT TYPE C	3.18	676.58	673.40	P-7
A-7	W8DOT TYPE 4-J	W8DOT TYPE J	4.40	677.46	673.06	EX-2

NOTE: ALL PROPOSED STRUCTURES SHALL HAVE A 2' SUMP BELOW THE INVERT OF THE OUTLET PIPE THAT IS NOT INCLUDED IN THE STRUCTURE HEIGHT.

**STORM DRAIN PIPE SCHEDULE**

PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE	PIPE TYPE	PIPE GRADE	PIPE LENGTH
P-1	A-1	673.13	A-2	672.91	8"	PVC	0.25%	86'
P-2	A-2	672.91	A-3	672.25	12"	PVC	0.32%	206'
P-3	A-3	672.25	EX-CB 3	671.93	21"	PVC	0.25%	130'
P-4	A-4	674.68	BEND	674.46	8"	PVC	0.50%	43'
P-5	BEND	674.46	A-5	673.86	8"	PVC	0.50%	120'
P-6	A-5	673.76	A-6	673.50	12"	PVC	0.50%	53'
P-7	A-7	673.16	A-6	673.40	12"	PVC	0.50%	48'



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PROJECT

**DURATECH INDUSTRIES BUILDING ADDITION**

LA CROSSE WISCONSIN

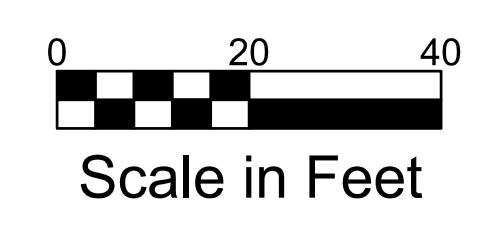
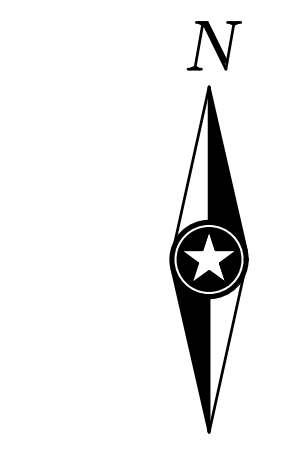
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18735
FILE NAME	18735 C3-SITE
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	

TITLE

**PROPOSED SITE UTILITY PLAN**

SHEET











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02/01/2017

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PROJECT

### DURATECH INDUSTRIES BUILDING ADDITION

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18735
FILE NAME	18735 C5-LAND
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	NE
ORIGINAL ISSUE DATE	02/01/2017
CLIENT PROJECT NO.	-

TITLE

### SITE RESTORATION PLAN

SHEET

C5-10

TURF RESTORATION LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	2575.501	SEED, WisDOT MIX #40	AC	.23
	2575.501	SEED, WisDOT MIX #75	AC	0.08
	2575.513	ROCK MULCH	SY	195

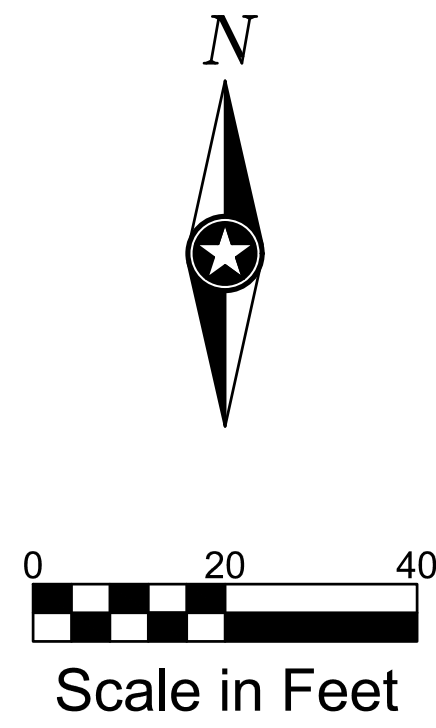
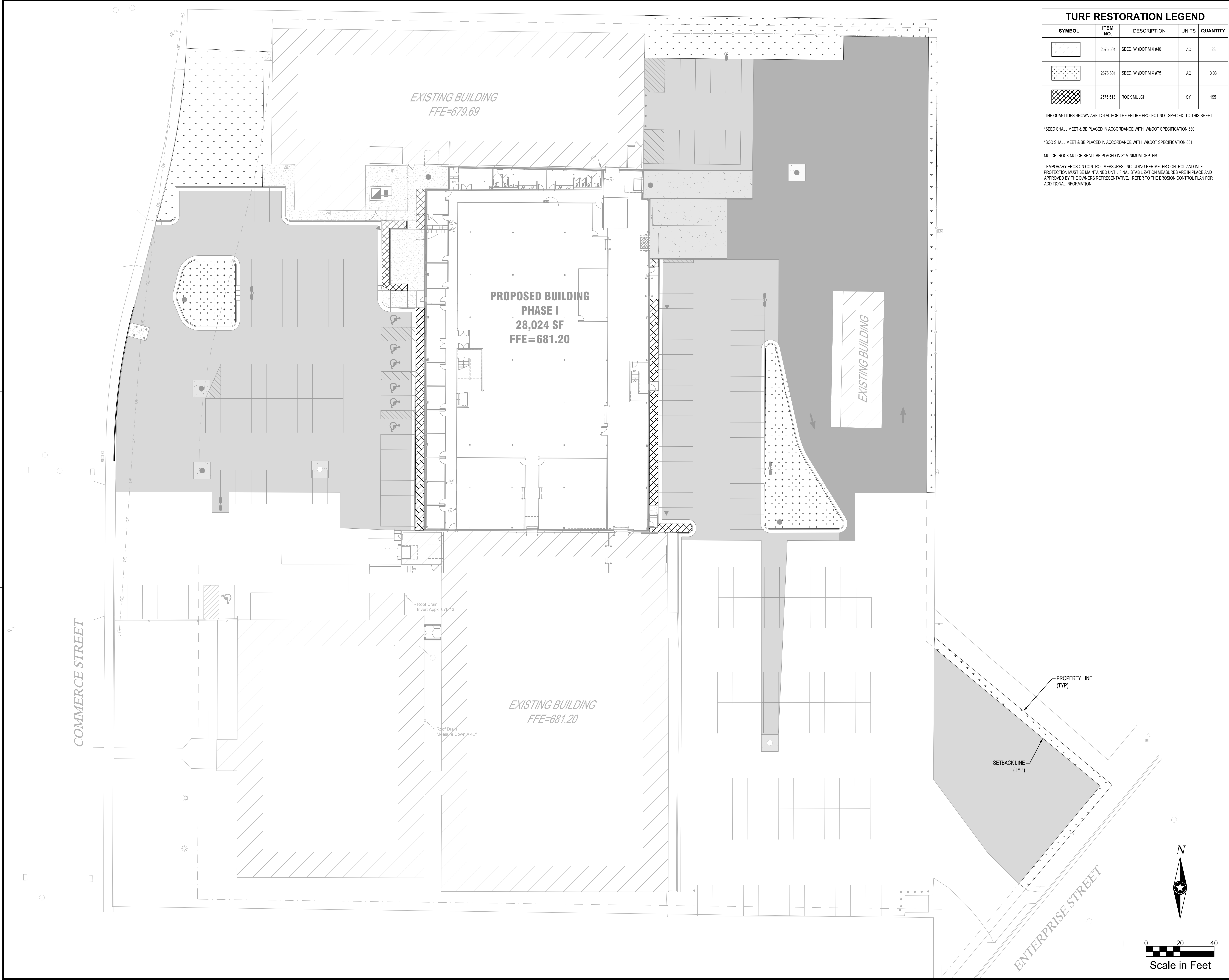
THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.

\*SEED SHALL MEET & BE PLACED IN ACCORDANCE WITH WisDOT SPECIFICATION 630.

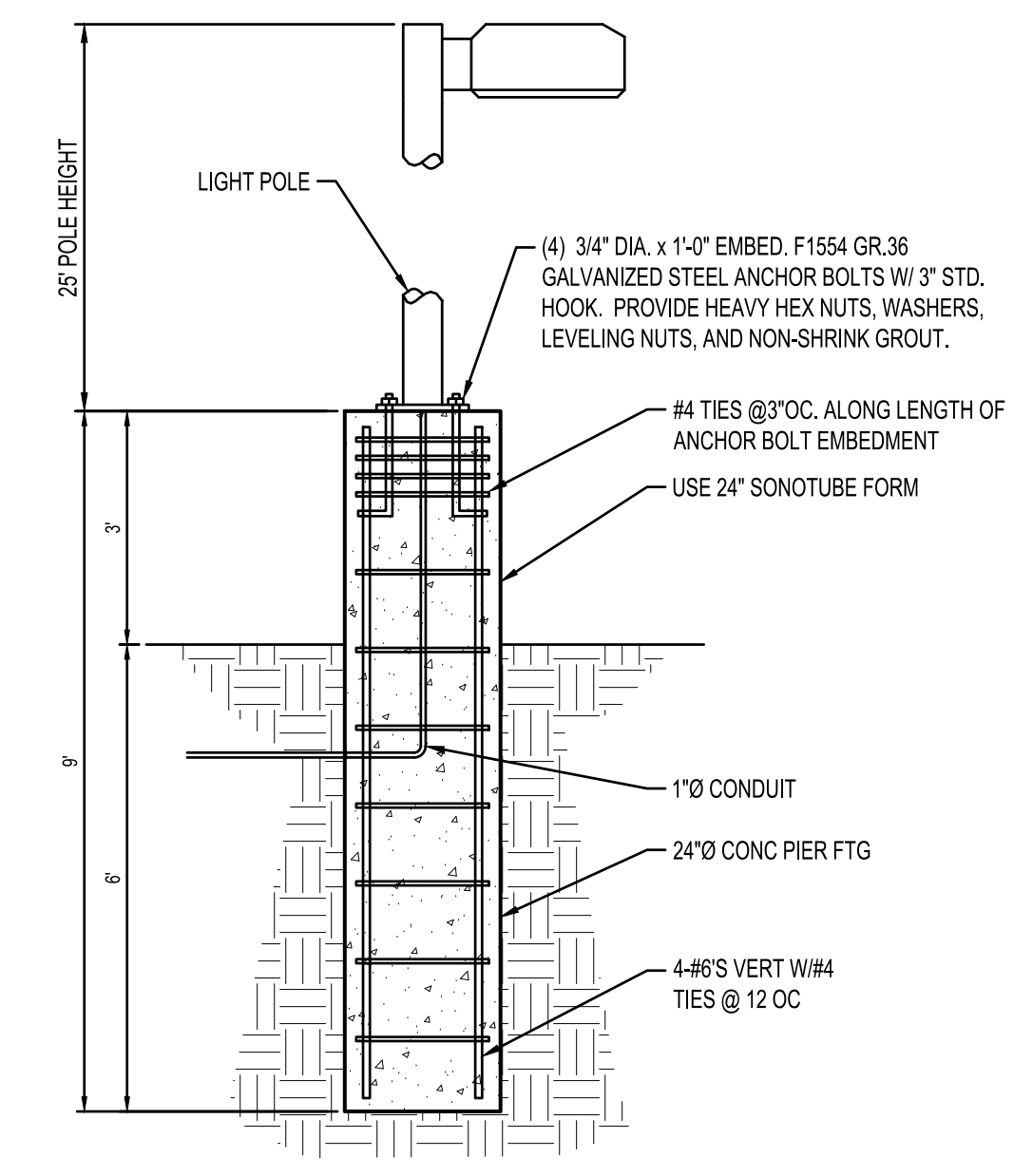
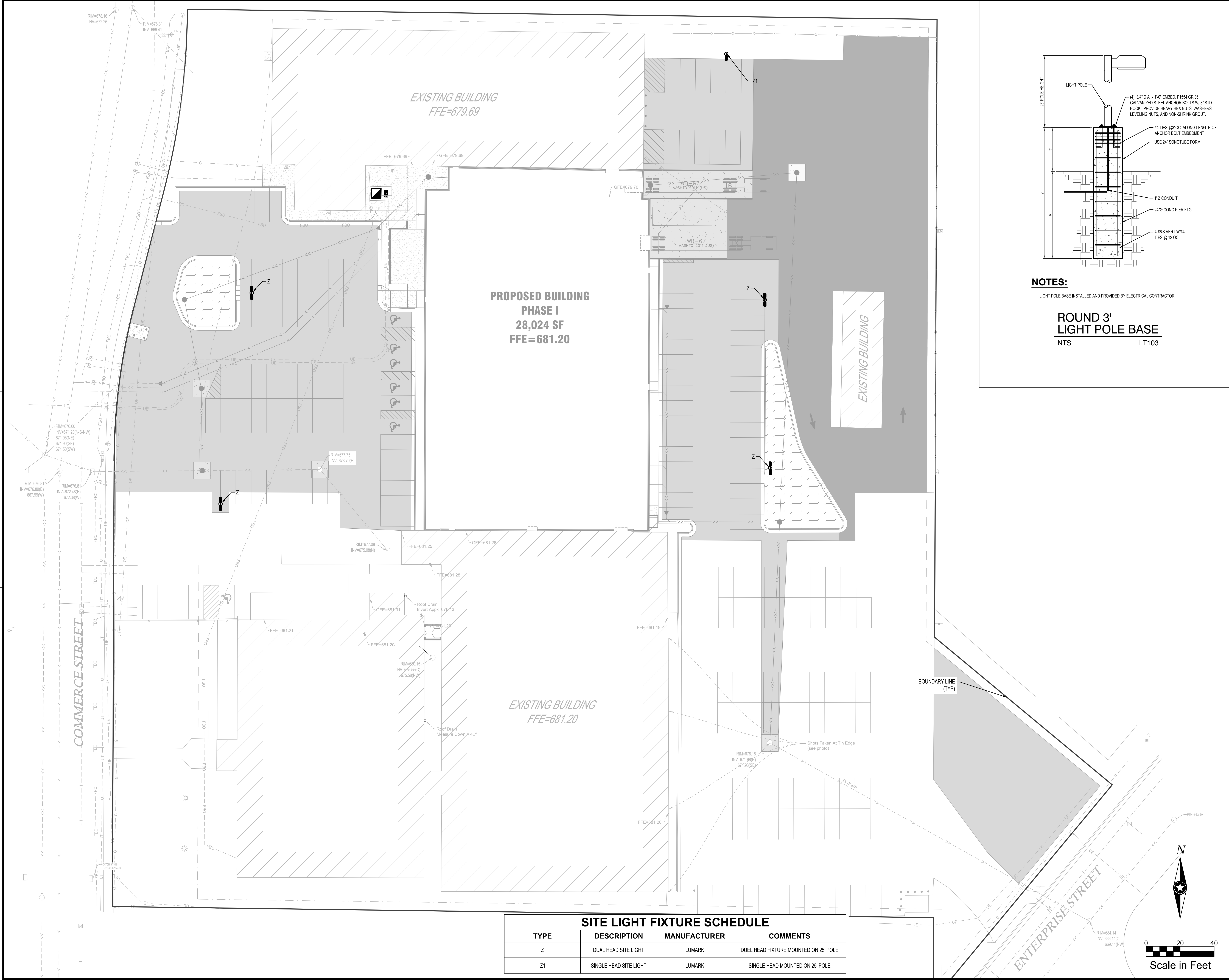
\*SOD SHALL MEET & BE PLACED IN ACCORDANCE WITH WisDOT SPECIFICATION 631.

MULCH: ROCK MULCH SHALL BE PLACED IN 3" MINIMUM DEPTHS.

TEMPORARY EROSION CONTROL MEASURES, INCLUDING PERIMETER CONTROL AND INLET PROTECTION MUST BE MAINTAINED UNTIL FINAL STABILIZATION MEASURES ARE IN PLACE AND APPROVED BY THE OWNERS REPRESENTATIVE. REFER TO THE EROSION CONTROL PLAN FOR ADDITIONAL INFORMATION.







**NOTES:**  
LIGHT POLE BASE INSTALLED AND PROVIDED BY ELECTRICAL CONTRACTOR

**ROUND 3' LIGHT POLE BASE**  
NTS LT103

SITE LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MANUFACTURER	COMMENTS
Z	DUAL HEAD SITE LIGHT	LUMARK	DUEL HEAD FIXTURE MOUNTED ON 25' POLE
Z1	SINGLE HEAD SITE LIGHT	LUMARK	SINGLE HEAD MOUNTED ON 25' POLE

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**DURATECH INDUSTRIES BUILDING ADDITION**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 18735  
FILE NAME 18735 C6-LIGHT  
DRAWN BY CLF  
DESIGNED BY KBR  
REVIEWED BY NE  
ORIGINAL ISSUE DATE 02/01/2017  
CLIENT PROJECT NO. -

TITLE

**SITE ELECTRICAL PLAN**

SHEET

**C6-10**