

**ADDENDUM 01**

Addendum #	01	Date Issued	03/25/2022
Project Name Job #	FB&T Arena and SJM Additions and Renovations – Bid Package 01	EAPC Project 20191170 OSE #R0319--23X/FBT	
Bid Date Time	04/07/2022	2:30pm	

THIS ADDENDUM AMENDS AND BECOMES PART OF THE CONTRACT DOCUMENTS FOR BID PACKAGE 01 OF EAPC PROJECT 20191170 DATED 03/01/2022, RESPECTIVELY. EACH BIDDER SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY MARKING THE ADDENDUM NUMBER AND DATE ON THE BID FORM.

SPECIFICATIONS

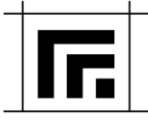
05 1200.1.5.A.1

Add article "1" as follows

1. If the fabricator is not AISC-Certified, they will be required to have code required special inspections and testing performed by a 3rd party testing and inspection agency at their plant prior to sending material to the site and provide documentation to the design team that they meet requirements. This testing shall be procured and paid for by the fabricator.

DRAWINGS

C000	Add attached drawing C000 – SWPPP
C001	Add attached drawing C001 – EXISTING CONDITIONS
C002	Add attached drawing C002 – REMOVAL PLAN
C003	Add attached drawing C003 – EROSION CONTROL PLAN
C004	Add attached drawing C004 – SITE PLAN
C005	Add attached drawing C005 – SITE PLAN & UTILITIES
C006	Add attached drawing C006 – DETAILS
C007	Add attached drawing C007 – STANDARD PLATES

**PRIOR APPROVALS**

NA

ATTACHMENTS

C000	C004
C001	C005
C002	C006
C003	C007

Storm Water Pollution Prevention Plan (SWPPP)

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

(The numbers left of the title headings are reference numbers to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- 5.3 (3a): Project Limits (See Title Sheet)
- 5.3 (3a): Project Description (See Title Sheet)
- 5.3 (4): Site Map(s) (See Title Sheet and Plans)
- Major Soil Disturbing Activities (check all that apply)
 - Clearing and grubbing
 - Excavation/borrow
 - Grading and shaping
 - Filling
 - Other (describe):
- 5.3 (3b): Total Project Area: 2.0 Acres
- 5.3 (3b): Total Area to be Disturbed: 2.0 Acres
- 5.3 (3c): Maximum Area Disturbed at One Time: 1.2 Acres
- 5.3 (3d): Existing Vegetative Cover (%): 20%
- 5.3 (3d): Description of Vegetative Cover: Residential Grass Area

- 5.3 (3e): Soil Properties: CL
- 5.3 (3f): Name of Receiving Water Body/Bodies: Six Mile Creek via SDSU Storm Sewer & Drainage Ditches
- 5.3 (3g): Location of Construction Support Activity Areas

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

Special sequencing requirements (see sheet).

The Contractor will enter the Estimated Start Date.

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

Description	Estimated Start Date
Install stabilized construction entrance(s).	
Install perimeter protection where runoff may exit site.	
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Install utilities, storm sewers, curb and gutter.	
Install inlet and culvert protection after completing storm drainage and other utility installations.	
Final grading.	
Final paving.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
<input type="checkbox"/> Natural Buffers (within 50 ft of Waters of State)	
<input checked="" type="checkbox"/> Silt Fence	
<input type="checkbox"/> Erosion Control Watties	
<input type="checkbox"/> Temporary Berm / Windrow	
<input type="checkbox"/> Floating Silt Curtain	
<input checked="" type="checkbox"/> Stabilized Construction Entrances	
<input type="checkbox"/> Entrance/Exit Equipment Tire Wash	
<input type="checkbox"/> Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
<input checked="" type="checkbox"/> Silt Fence	
<input type="checkbox"/> Temporary Berm/Windrow	
<input type="checkbox"/> Erosion Control Watties	
<input type="checkbox"/> Temporary Sediment Barriers	
<input type="checkbox"/> Erosion Bales	
<input type="checkbox"/> Temporary Slope Drain	
<input type="checkbox"/> Turf Reinforcement Mat	
<input type="checkbox"/> Riprap	
<input type="checkbox"/> Gabions	
<input type="checkbox"/> Rock Check Dams	
<input type="checkbox"/> Sediment Traps/Basins	
<input type="checkbox"/> Culvert Inlet Protection	
<input type="checkbox"/> Transition Mats	
<input type="checkbox"/> Median/Area Drain Inlet Protection	
<input checked="" type="checkbox"/> Curb Inlet Protection	
<input type="checkbox"/> Interceptor Ditch	
<input checked="" type="checkbox"/> Concrete Washout Facility	
<input type="checkbox"/> Work Platform	
<input type="checkbox"/> Temporary Water Barrier	
<input type="checkbox"/> Temporary Water Crossing	
<input type="checkbox"/> Permanent Stormwater Ponds	
<input type="checkbox"/> Permanent Open Vegetated Swales	
<input type="checkbox"/> Natural Depressions to allow for infiltration	
<input type="checkbox"/> Sequential Systems that combine several practices	
<input type="checkbox"/> Other:	

Dust Controls

Description	Estimated Start Date
<input type="checkbox"/> Tarps & Wind Impervious fabrics	
<input checked="" type="checkbox"/> Watering	
<input checked="" type="checkbox"/> Stockpile location/orientation	
<input type="checkbox"/> Dust Control Chlorides	
<input type="checkbox"/> Other:	

Dewatering BMPs

Description	Estimated Start Date
<input type="checkbox"/> Sediment Basins	
<input type="checkbox"/> Dewatering bags	
<input type="checkbox"/> Weir tanks	
<input type="checkbox"/> Temporary Diversion Channel	
<input type="checkbox"/> Other:	

Stabilization Practices (See Detail Plan Sheets)

Stabilization measures shall begin the following work day whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization shall be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Stabilization Practices

Description	Estimated Start Date
<input type="checkbox"/> Vegetation Buffer Strips	
<input checked="" type="checkbox"/> Temporary Seeding (Cover Crop Seeding)	
<input checked="" type="checkbox"/> Permanent Seeding	
<input type="checkbox"/> Sodding	
<input type="checkbox"/> Planting (Woody Vegetation for Soil Stabilization)	
<input checked="" type="checkbox"/> Mulching (Grass Hay or Straw)	
<input checked="" type="checkbox"/> Fiber Mulching (Wood Fiber Mulch)	
<input type="checkbox"/> Soil Stabilizer	
<input type="checkbox"/> Bonded Fiber Matrix	
<input type="checkbox"/> Fiber Reinforced Matrix	
<input checked="" type="checkbox"/> Erosion Control Blankets	
<input type="checkbox"/> Surface Roughening (e.g. tracking)	
<input type="checkbox"/> Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes No X If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches 1/2 the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The Contractor's Erosion Control Supervisor is responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The Contractor's Erosion Control Supervisor will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

- Material Management
 - Housekeeping
 - Only needed products will be stored on-site by the Contractor.
 - Except for bulk materials, the contractor will store all materials under cover and/or in appropriate containers.
 - Products must be stored in original containers and labeled.
 - Material mixing will be conducted in accordance with the manufacturer's recommendations.
 - When possible, all products will be completely used before properly disposing of the container off-site.
 - The manufacturer's directions for disposal of materials and containers will be followed.
 - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
 - Dust generated will be controlled in an environmentally safe manner.
- Hazardous Materials
 - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
 - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
 - If surplus product must be disposed of, manufacturer's label directions for disposal will be followed.
 - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
 - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
 - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

Spill Control Practices

- In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.
- For all hazardous materials stored on site, the manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

Spill Response

- The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.
- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g. settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

Waste Disposal

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

Hazardous Waste

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

Sanitary Waste

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☐ Paints
- ☒ Metals
- ☒ Bituminous Materials
- ☒ Petroleum Based Products
- ☒ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☒ Cure
- ☐ Texture
- ☒ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- Petroleum Products
 - All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.
- Fertilizers
 - Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.
- Paints
 - All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the manufacturer's instructions and any applicable state and local regulations.
- Concrete Trucks
 - Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- Discharges from water line flushing.
- Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFESIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.1: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately if any one of the following conditions exists:
 - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
 - The release or spill causes an immediate danger to human health or safety
 - The release or spill exceeds 25 gallons
 - The release or spill causes a sheen on surface water
 - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74-54.01
 - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74-51.01
 - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
 - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.
- To report a release or spill, call SDDANR at 605-773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at 605-773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge shall be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

Certification of Compliance with Federal, State, and Local Regulations

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

South Dakota State University

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 gather and evaluate 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 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature (See the General Permit, Section 7.4 (1))

Prime Contractor

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

Contractor Information:

- Prime Contractor Name:
- Contractor Contact Name:
- Address:
- City: State: Zip:
- Office Phone: Field:
- Cell Phone: Fax:
- Owner - South Dakota State University Facilities and Services
 - Name:
 - Address:
 - City: Brookings State: South Dakota Zip: 57007
 - Office Phone: 605-688-4136 Field:
 - Cell Phone: Fax:
- Project Engineer - Civil Design Inc.
 - Name: Civil Design Inc.
 - Business Address: 609 Main Ave. S
 - Job Office Location:
 - City: Brookings State: SD Zip: 57006
 - Office Phone: 605-696-3200 Field:
 - Cell Phone: Fax: 605-696-3220

SDDANR Contact Spill Reporting

- Business Hours Monday-Friday (605) 773-3296

- Nights and Weekends (605) 773-3231

SDDANR Contact for Hazardous Materials.

- (605) 773-3153

National Response Center Hotline

- (800) 424-8802.

SDDANR Stormwater Contact Information

- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.1: REQUIRED SWPPP MODIFICATIONS

5.5 (1): Conditions Requiring SWPPP Modification

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

5.5 (2): Deadlines for SWPPP Modification

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

5.5 (3): Documentation of Modifications to the Plan

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

5.5 (4): Certification Requirements

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

5.5 (5): Required Notice to Other Operators

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The Contractor's Erosion Control Supervisor will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.



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CONSULTANTS



CLIENT

SOUTH DAKOTA STATE UNIVERSITY

PROJECT DESCRIPTION

FB&T ARENA AND SJM ADDITIONS AND RENOVATIONS

(OSE# R0319-23X/FBT)
(SDSU# WO#22-103751)

CITY BROOKINGS
STATE SOUTH DAKOTA

ISSUE DATES

BP01 BID PACKAGE #1	03/25/2022
ADDENDUM #1	
MARK	DESCRIPTION
	DATE

PROJECT NO: 2019-012

DRAWN BY: JDP

CHECKED BY: JDP

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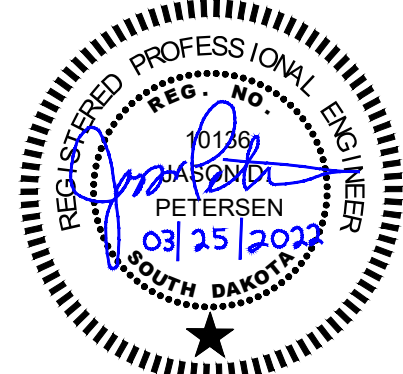
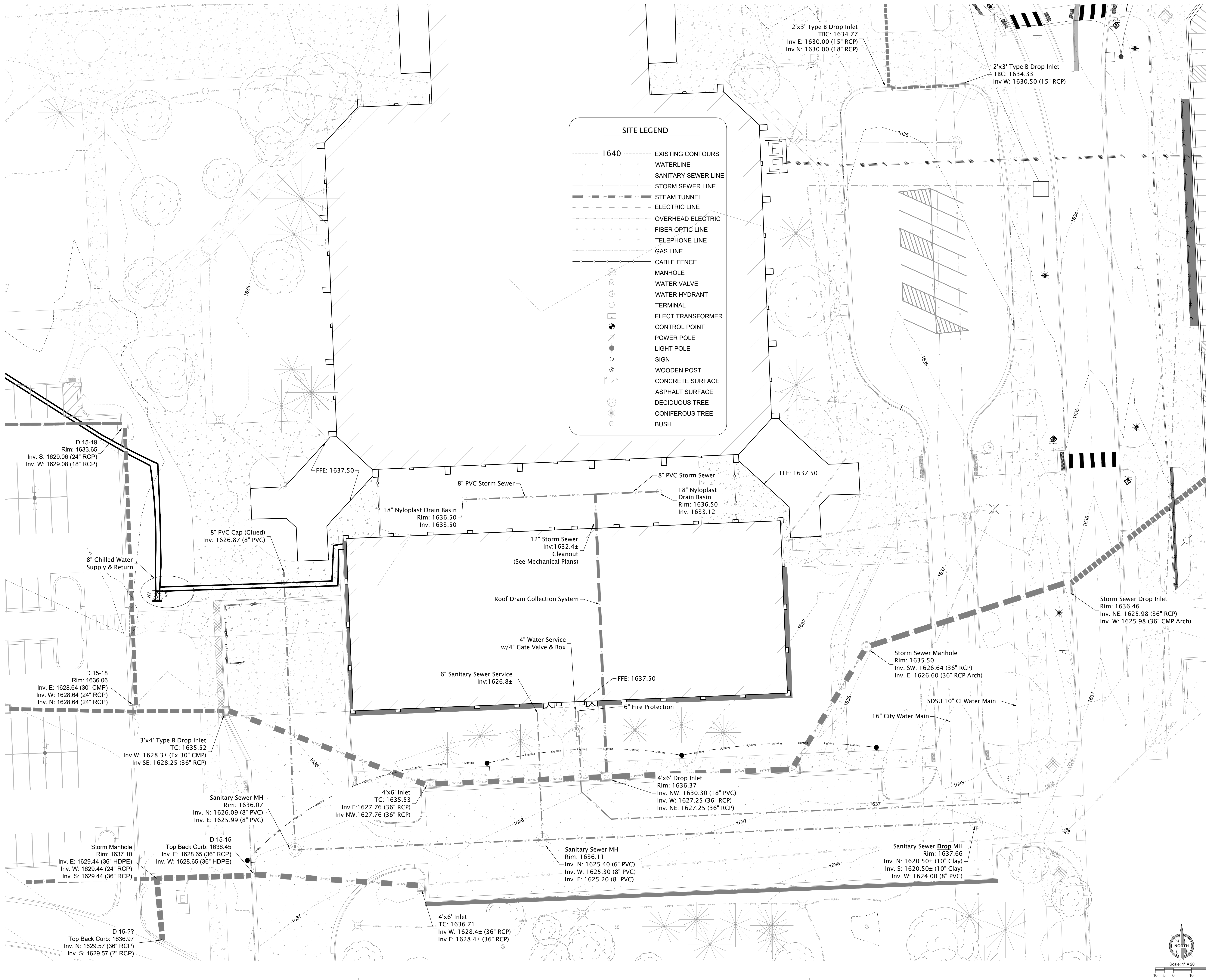


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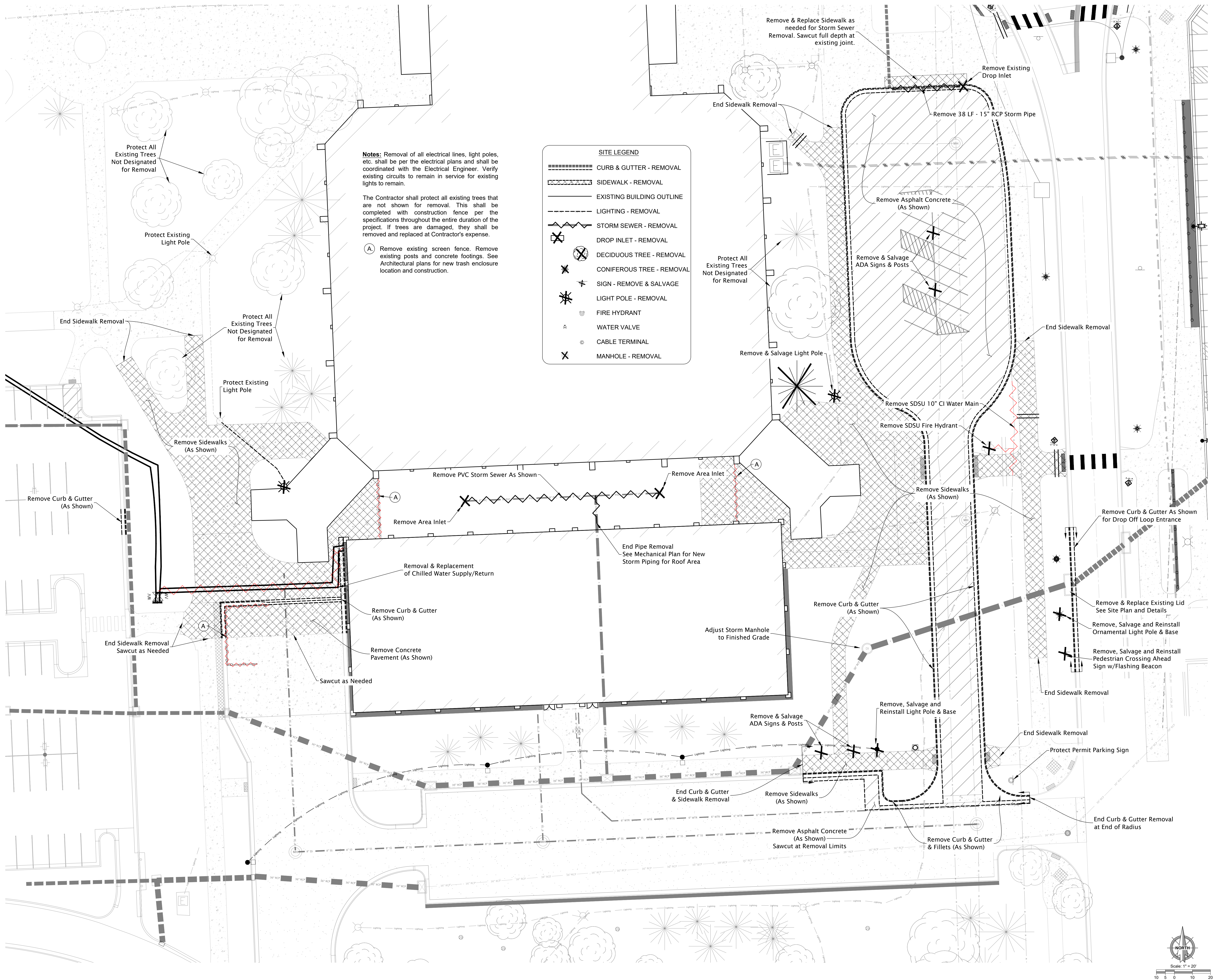
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

C000

Existing Conditions



Removal Plan



Notes: Removal of all electrical lines, light poles, etc. shall be per the electrical plans and shall be coordinated with the Electrical Engineer. Verify existing circuits to remain in service for existing lights to remain.

The Contractor shall protect all existing trees that are not shown for removal. This shall be completed with construction fence per the specifications throughout the entire duration of the project. If trees are damaged, they shall be removed and replaced at Contractor's expense.

(A) Remove existing screen fence. Remove existing posts and concrete footings. See Architectural plans for new trash enclosure location and construction.

SITE LEGEND	
	CURB & GUTTER - REMOVAL
	SIDEWALK - REMOVAL
	EXISTING BUILDING OUTLINE
	LIGHTING - REMOVAL
	STORM SEWER - REMOVAL
	DROP INLET - REMOVAL
	DECIDUOUS TREE - REMOVAL
	CONIFEROUS TREE - REMOVAL
	SIGN - REMOVE & SALVAGE
	LIGHT POLE - REMOVAL
	FIRE HYDRANT
	WATER VALVE
	CABLE TERMINAL
	MANHOLE - REMOVAL

BP01 BID PACKAGE #1	03/25/2022
ADDENDUM #1	
MARK DESCRIPTION	DATE

PROJECT NO: 2019-012
DRAWN BY: JDP
CHECKED BY: JDP

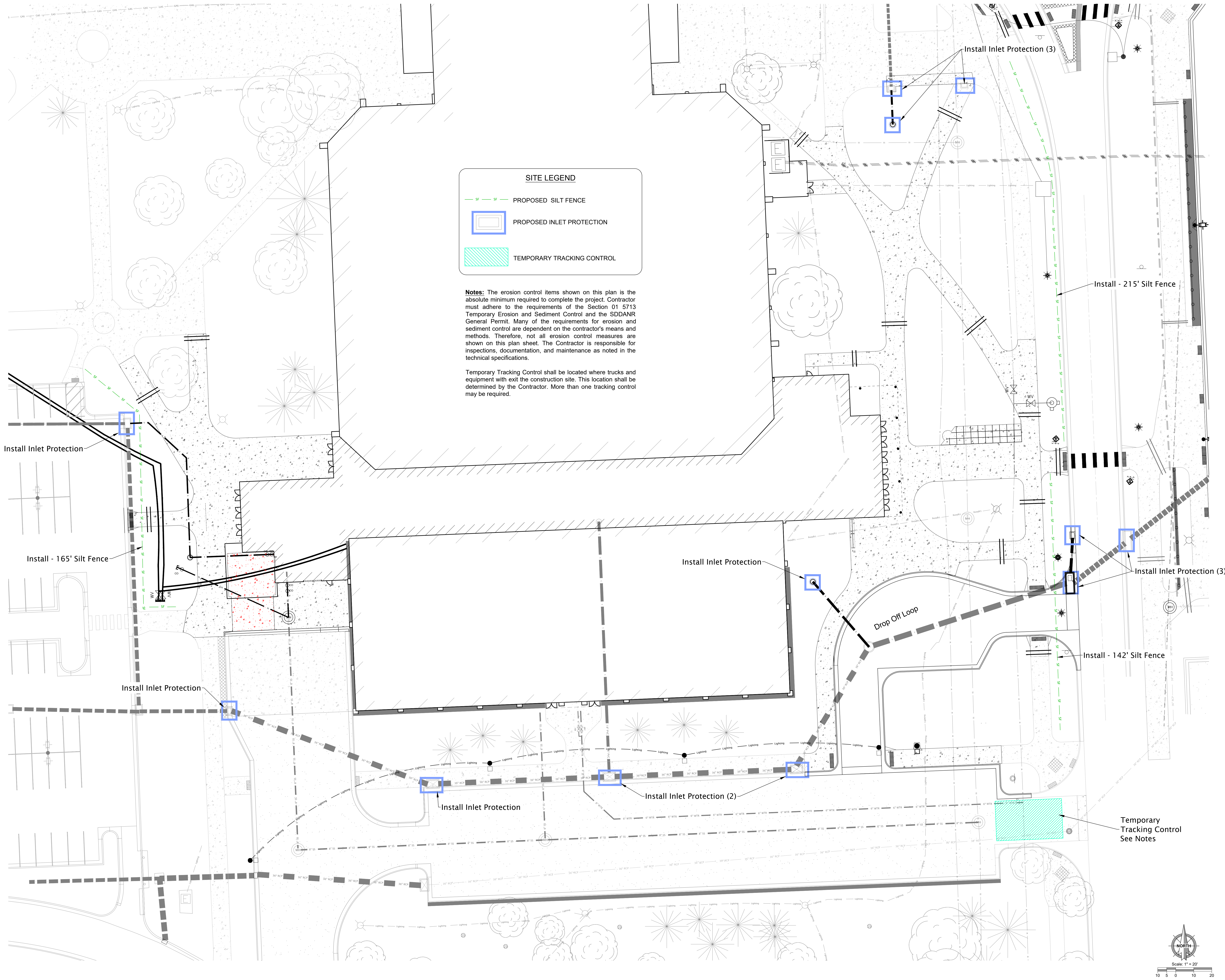
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DRAWING TITLE
REMOVAL PLAN

Erosion Control Plan



EAPC

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CLIENT

SOUTH DAKOTA STATE UNIVERSITY

PROJECT DESCRIPTION

FB&T ARENA AND SJM ADDITIONS AND RENOVATIONS

(OSE# R0319-23X/FBT)
(SDSU# WO#22-103751)

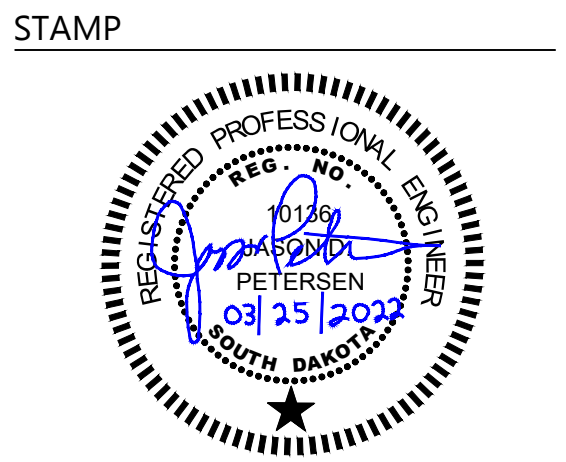
CITY **BROOKINGS**
STATE **SOUTH DAKOTA**

ISSUE DATES

BP01 BID PACKAGE #1 ADDENDUM #1	03/25/2022
MARK DESCRIPTION	DATE

PROJECT NO: 2019-012
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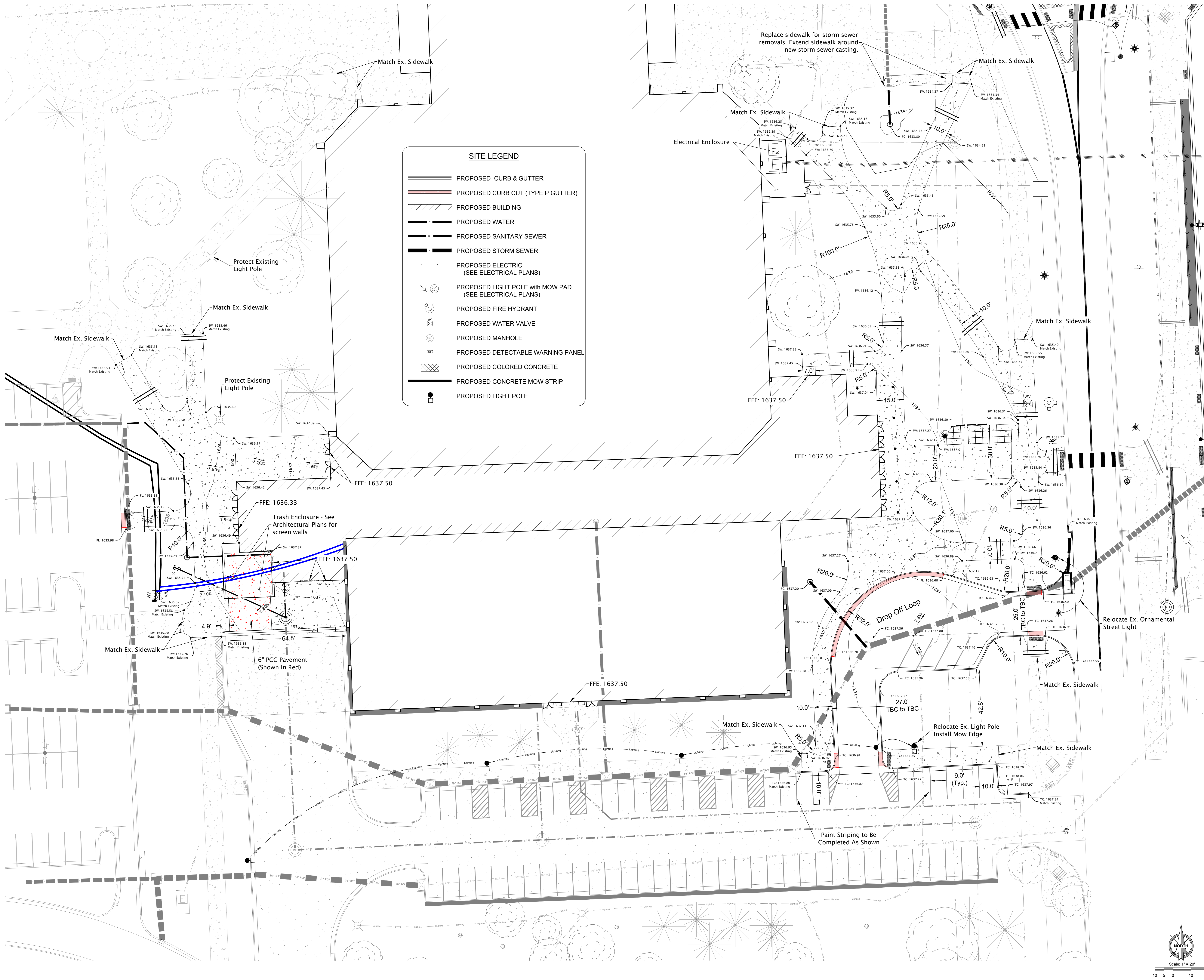


DRAWING TITLE

EROSION CONTROL PLAN

C003

Site Plan



BP01 BID PACKAGE #1 ADDENDUM #1	03/25/2022
MARK DESCRIPTION	DATE

PROJECT NO: 2019-012
DRAWN BY: JDP
CHECKED BY: JDP

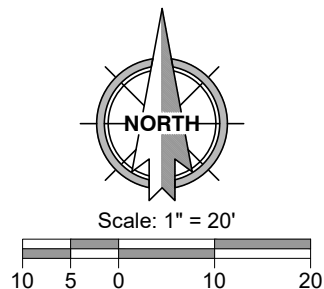
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DRAWING TITLE
SITE PLAN

C004



Architecture	Engineering
Interior Design	Industrial

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 101 N. Phillips Ave., Ste. 300, Sioux Falls, SD 57104
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Perkins & Wil



CLIENT
SOUTH DAKOTA STATE
UNIVERSITY

PROJECT DESCRIPTION

FB&T ARENA AND SJM ADDITIONS AND RENOVATIONS

(OSE# R0319-23X/FBT)
(SDSU# WO#22-103751)

CITY	BROOKINGS
STATE	SOUTH DAKOTA

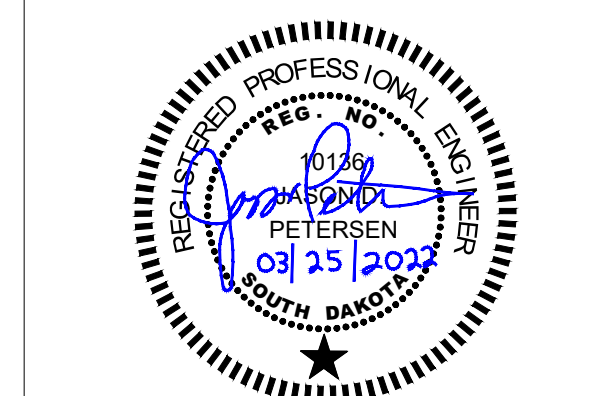
ISSUE DATES

BP01	BID PACKAGE #1 ADDENDUM #1	03/25/2022
MARK	DESCRIPTION	DATE

PROJECT NO:	2019-012
DRAWN BY:	JDP
CHECKED BY:	JDP

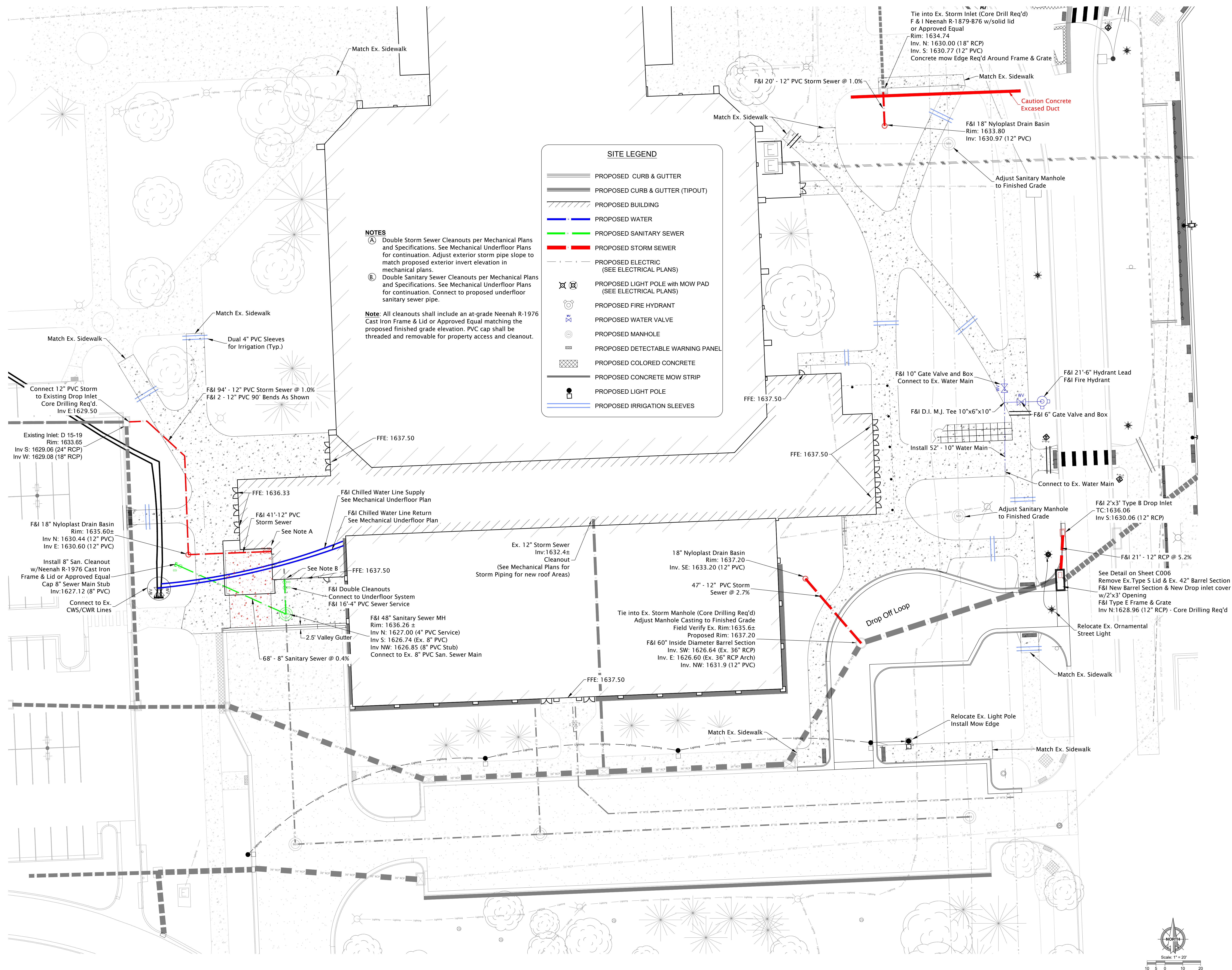
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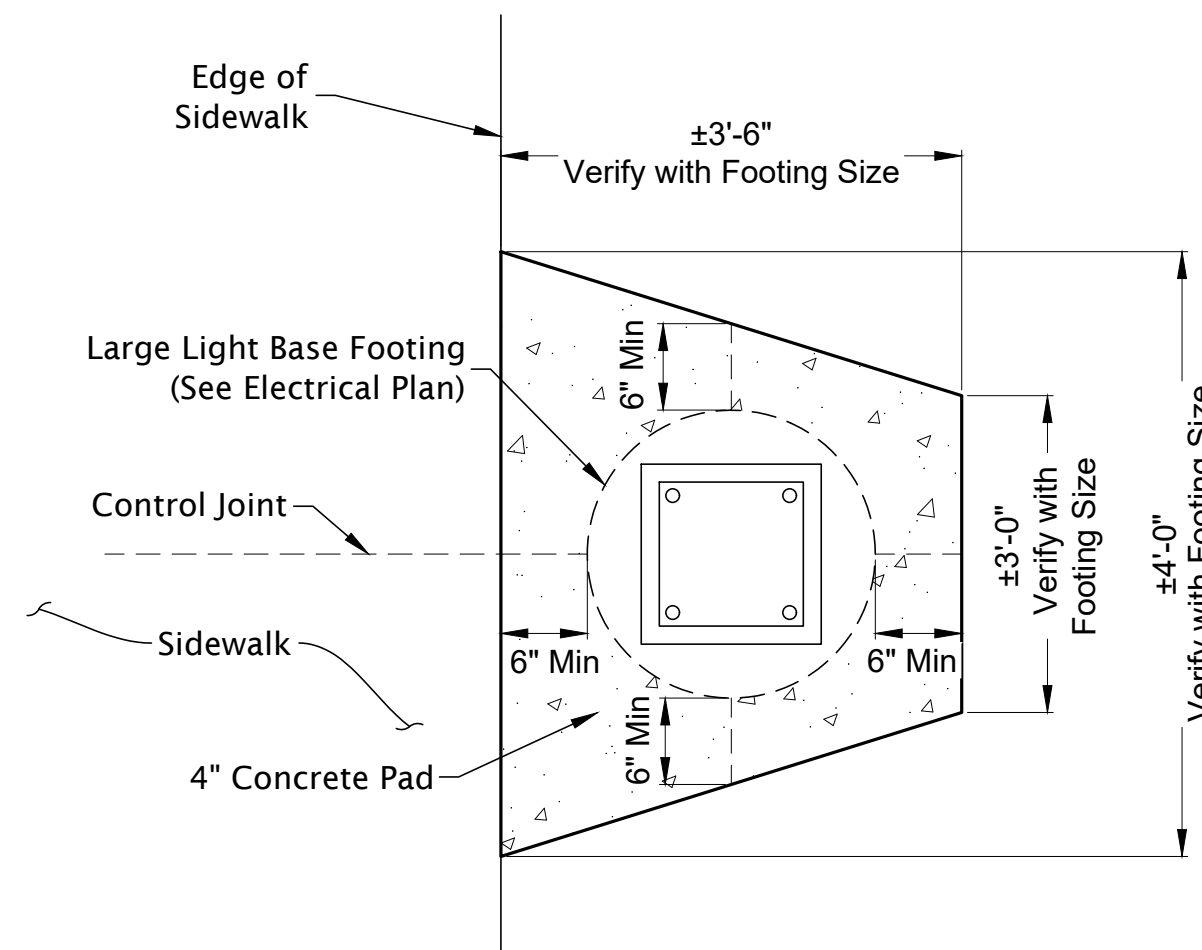
STAMP



DRAWING TITLE
SITE PLAN & UTILITIES

C005





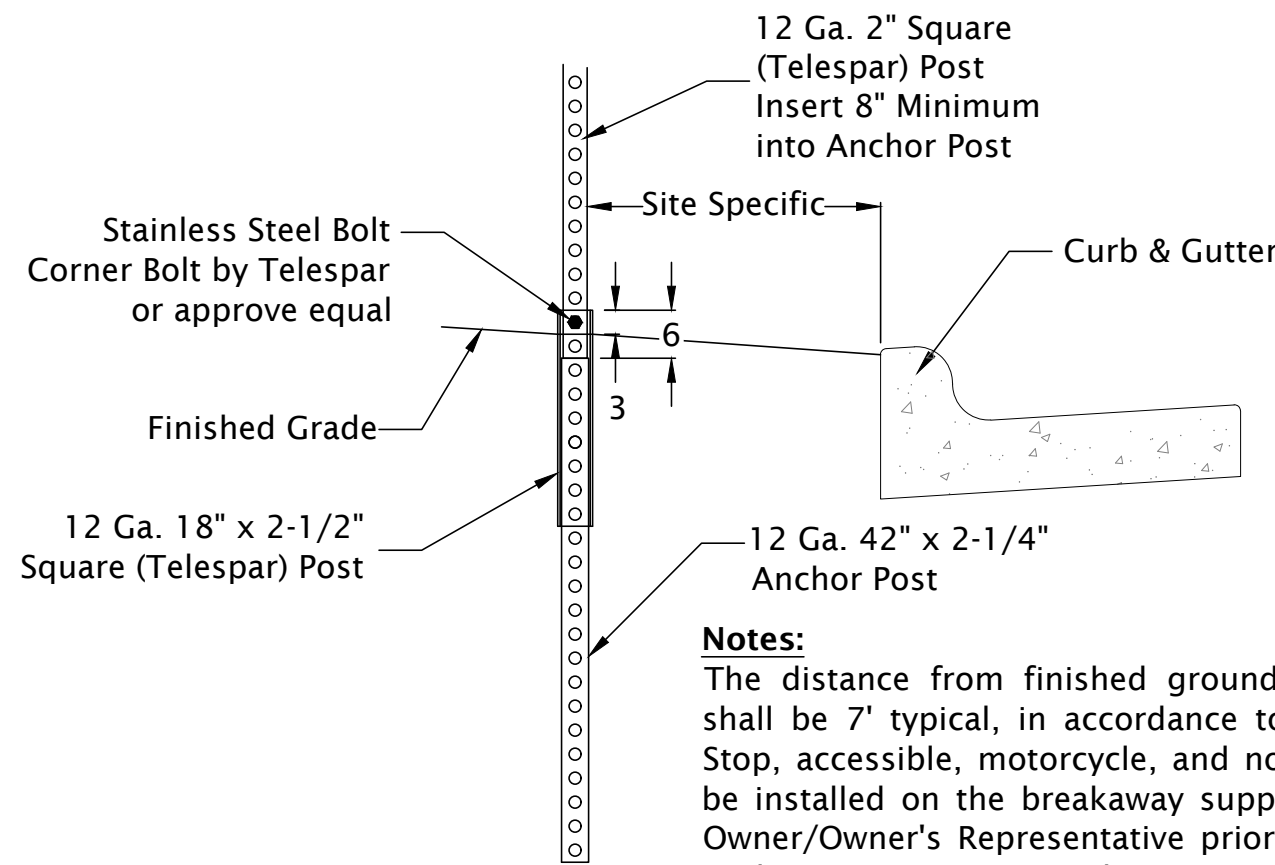
Large Light Base - Mow Edge
Scale: None



12" x 18" sheet aluminum (0.080 ± 0.0004 inch thickness) sign w/ embossed green letters on white background, with the International Symbol of Accessibility, retroreflective sheeting must be 3M HI Intensity Prismatic (HIP)
Sign #1 - Accessible Parking

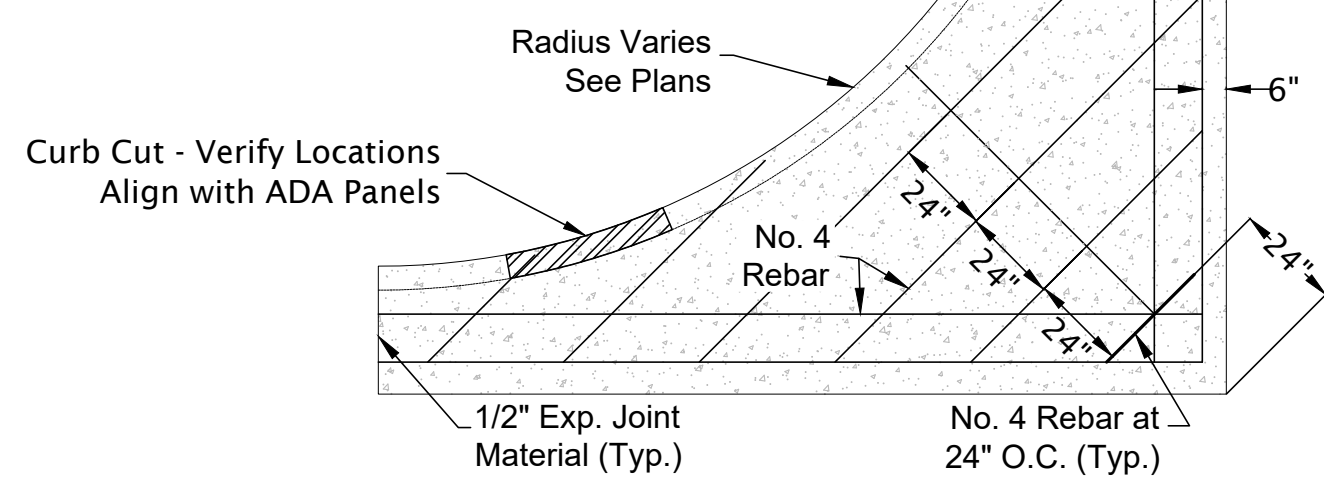


12" x 18" sheet aluminum (0.080 ± 0.0004 inch thickness) sign w/ embossed green letters on white background, retroreflective sheeting must be 3M HI Intensity Prismatic (HIP). Required at van accessible spaces only.
Sign #2 - Van Accessible

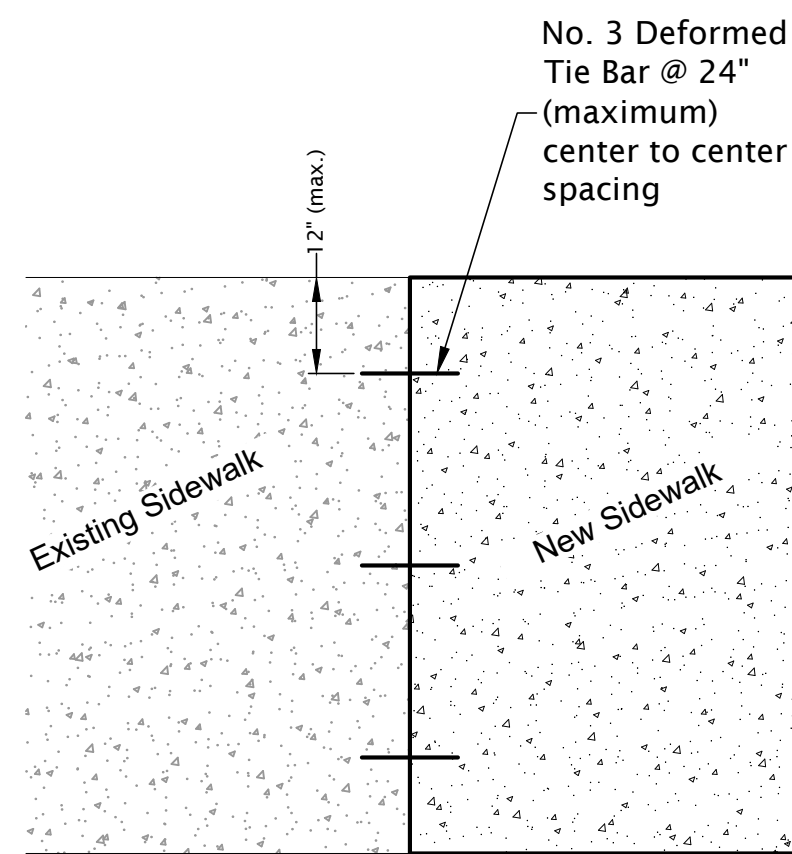


Breakaway Post
Scale: None

- General Notes Pertaining to Fillets:**
1. Curb and gutter shall be as shown in the plan details or standard plate.
 2. All rebar shall conform to ASTM A615 Grade 60 and the SD DOT Standard Specifications Sections 480 and 1010. All rebar shall have a minimum of 3" clear cover.
 3. Concrete shall be SDDOT Class M6 with the coarse aggregate being crushed ledge rock.
 4. The concrete curb shall be monolithic with the concrete fillet.
 5. Thickness of the fillet section shall be 8".
 6. The ramp opening(s) shall be the same width as the adjacent ADA detectable warning panel, with the curb tapering from full height in four feet (4'). Locate opening as indicated on plans. Verify location with Engineer if needed.



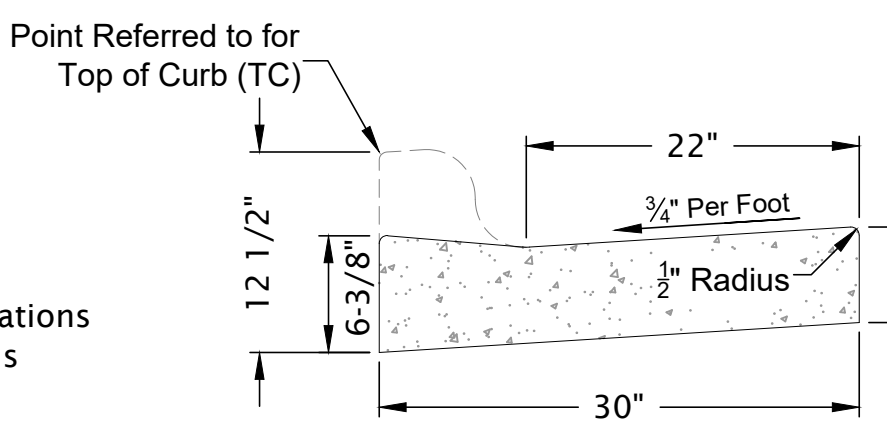
SD DOT - PCC FILLET SECTION
Scale: 1/4" = 1'-0"



Sidewalk Pinning Detail
Scale: None

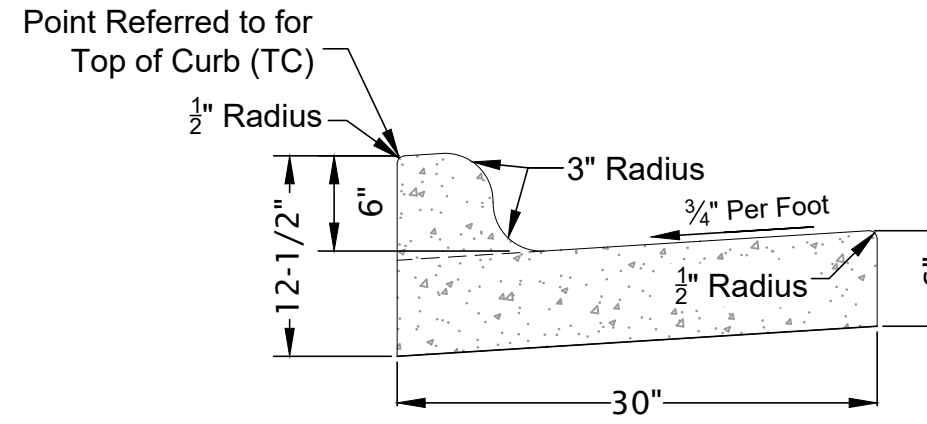
General Notes Pertaining to Pinning Sidewalk:

1. Whenever new sidewalk abuts existing sidewalk, No. 3 deformed tie bars shall be drilled and anchored with an epoxy resin adhesive.
2. Epoxy product and procedures for anchoring shall be accordance with SDDOT Standards.
3. Spacing shall be maximum 24", with minimum 2 tie bars per panel. Outer tie bars shall be no more than 12" from the sidewalk form.

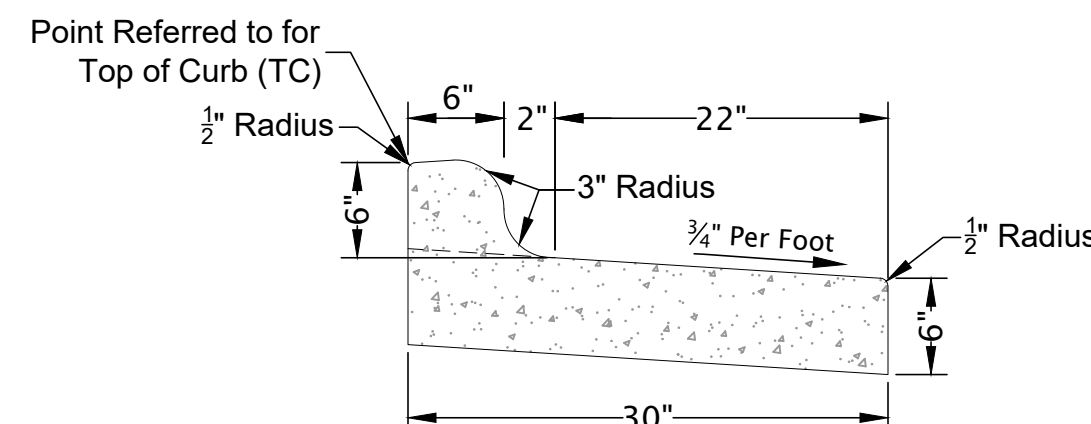


Type P Concrete Gutter
Scale: 1" = 1'-0"

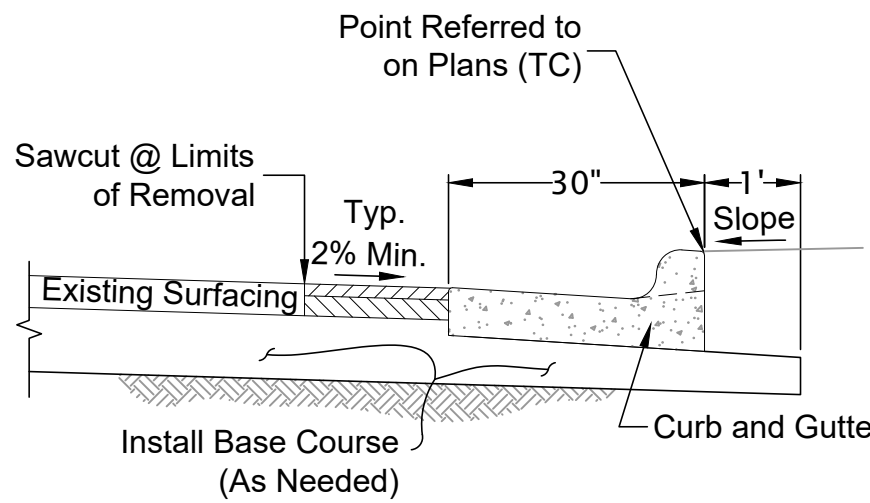
Note: Type P Concrete Gutter required at driveway and ramp curb cuts.



Standard Curb and Gutter
Scale: 1" = 1'-0"

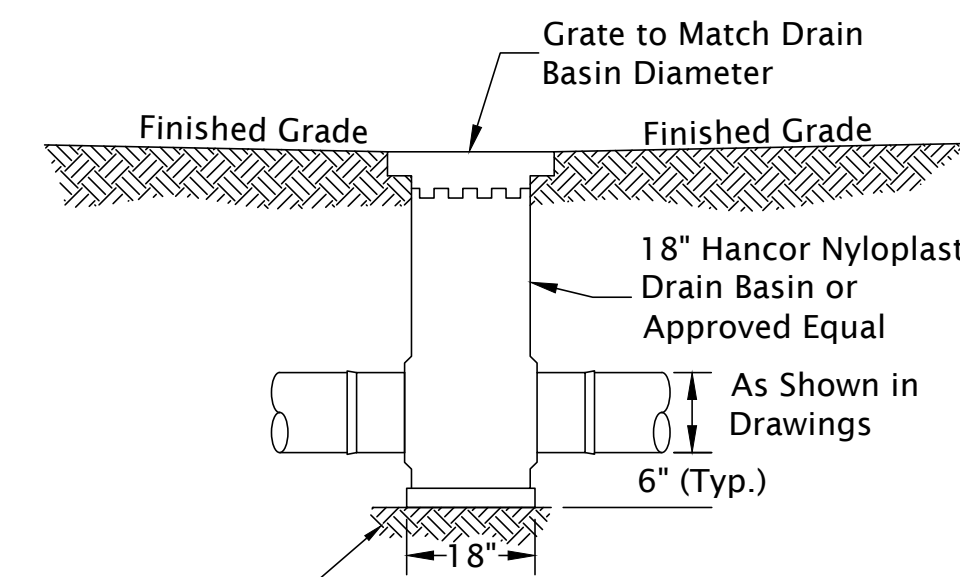


Curb and Gutter (Tipout)
Scale: 1" = 1'-0"

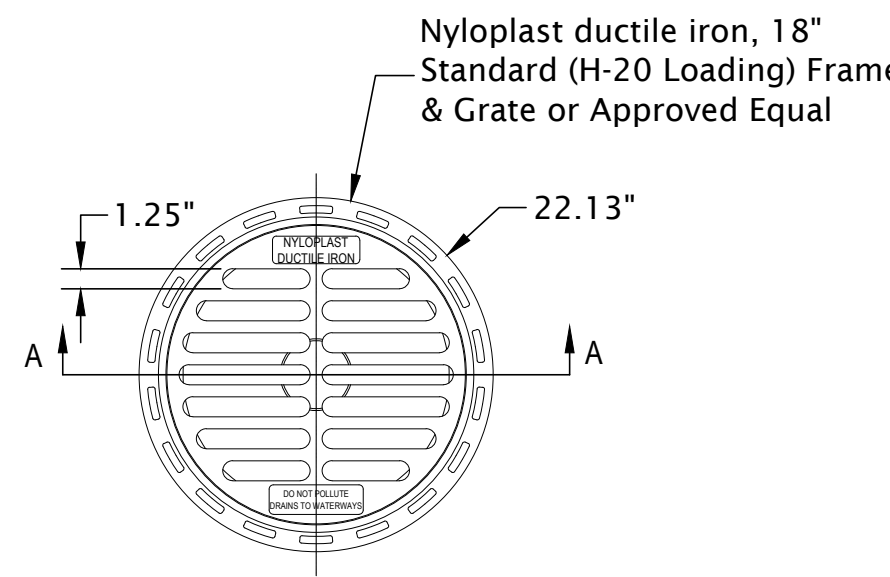


Notes: Base course shall be placed and compacted as needed for the curb and gutter installation. The existing asphalt surfacing shall be sawcut neat and straight prior to patching. Asphalt depth shall not be less than 6" thick and base course depth shall be 10" (minimum).

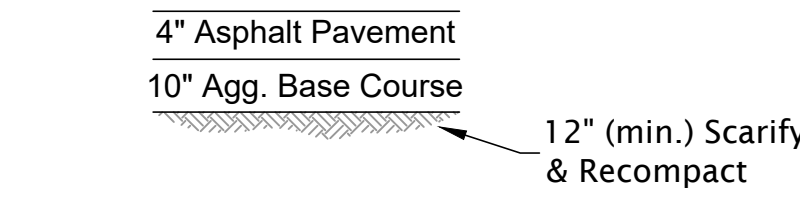
Asphalt Patching Detail
Scale: 1/2" = 1'-0"



18" Drain Basin
Scale: None



18" Frame & Grate Details
Scale: None

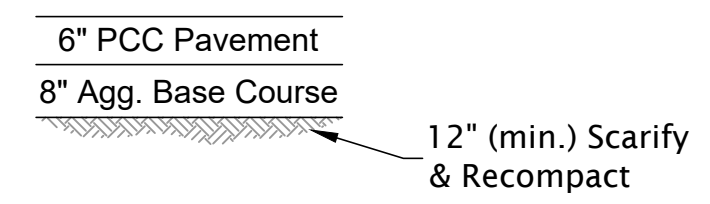


ASPHALT Pavement Section (NTS)

Aggregate to meet the requirements of SDDOT Standard Specifications - Section 882 for aggregate base course.

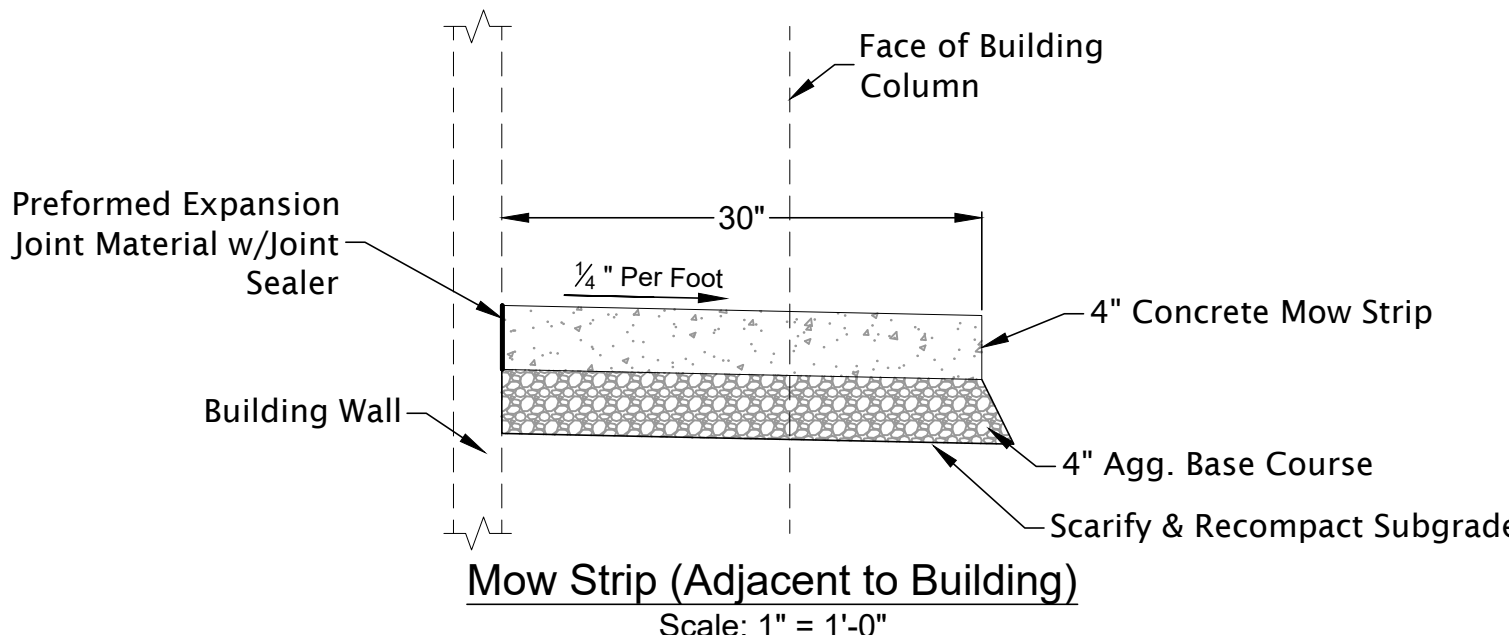
Notes:

A proof roll will be required on the subgrade prior to placement of the aggregate base course and prior to placement of the asphalt surfacing. No rutting or instability will be accepted. Corrections shall be made to any unstable areas as indicated in the specifications.

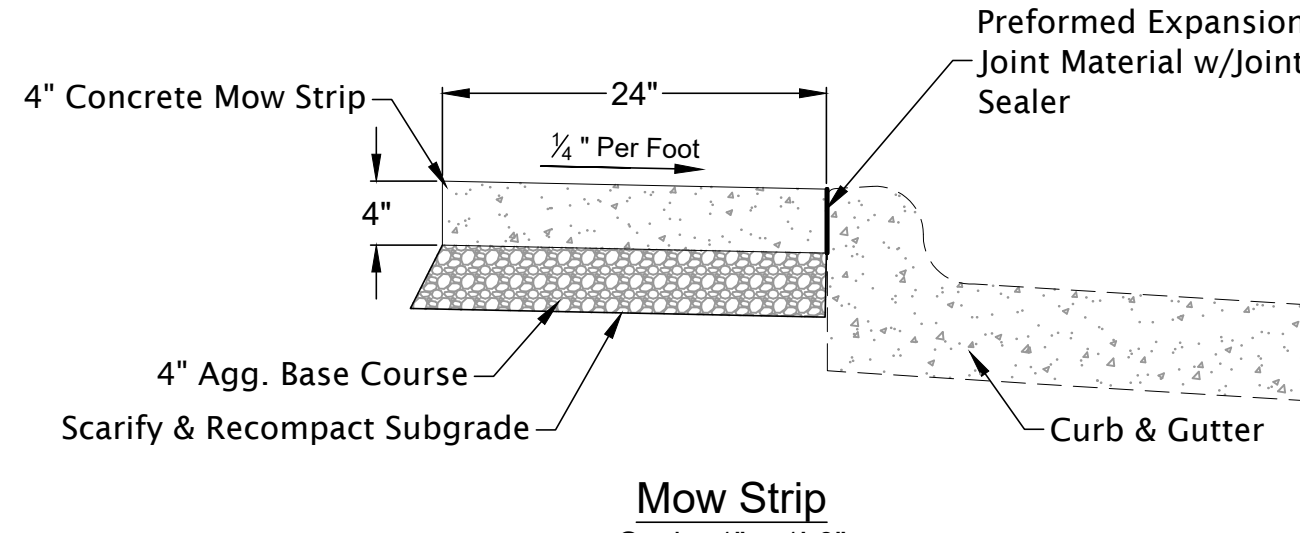


PCC Pavement Section (NTS)

Aggregate to meet the requirements of SDDOT Standard Specifications - Section 882 for aggregate base course.



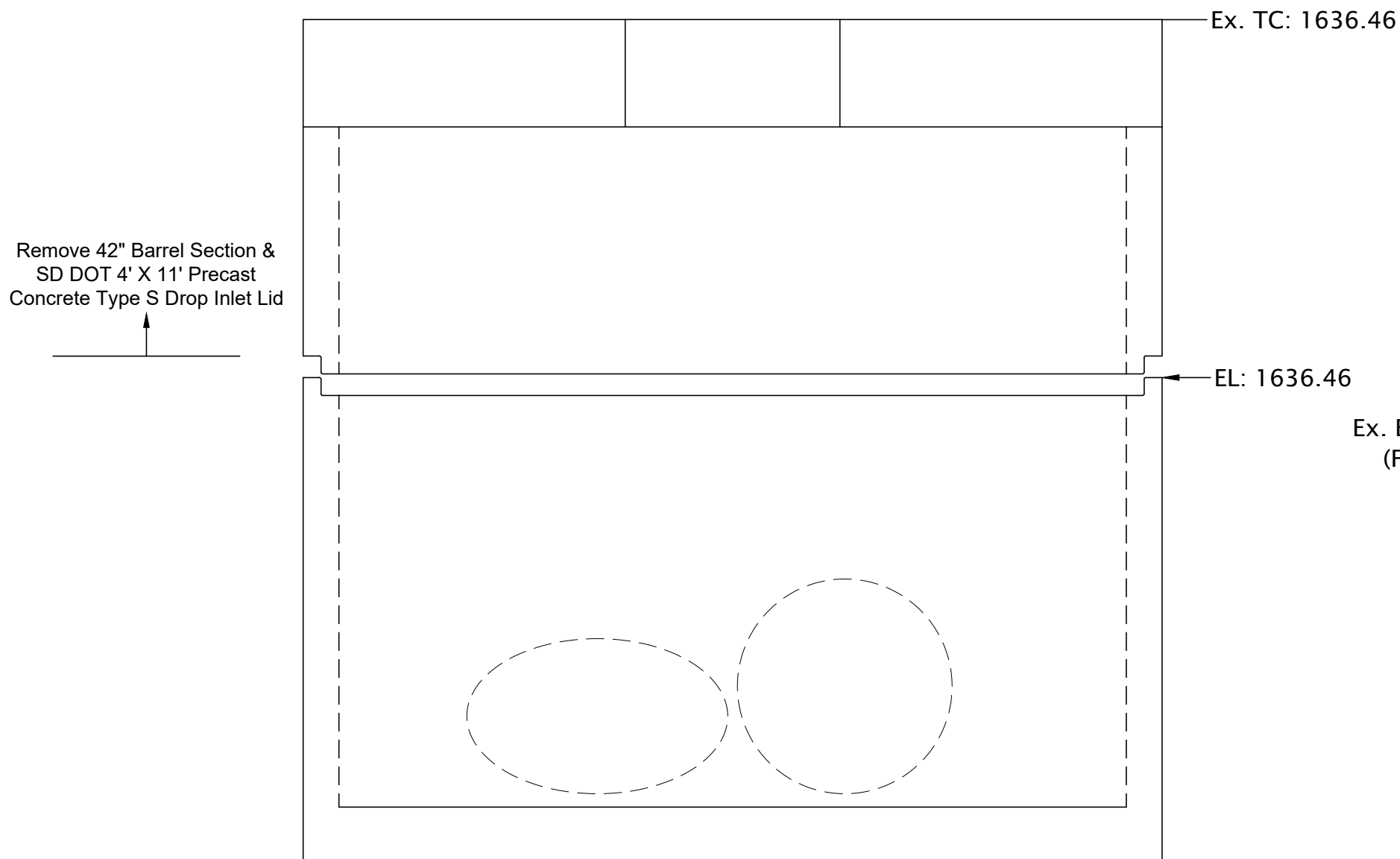
Mow Strip (Adjacent to Building)
Scale: 1" = 1'-0"



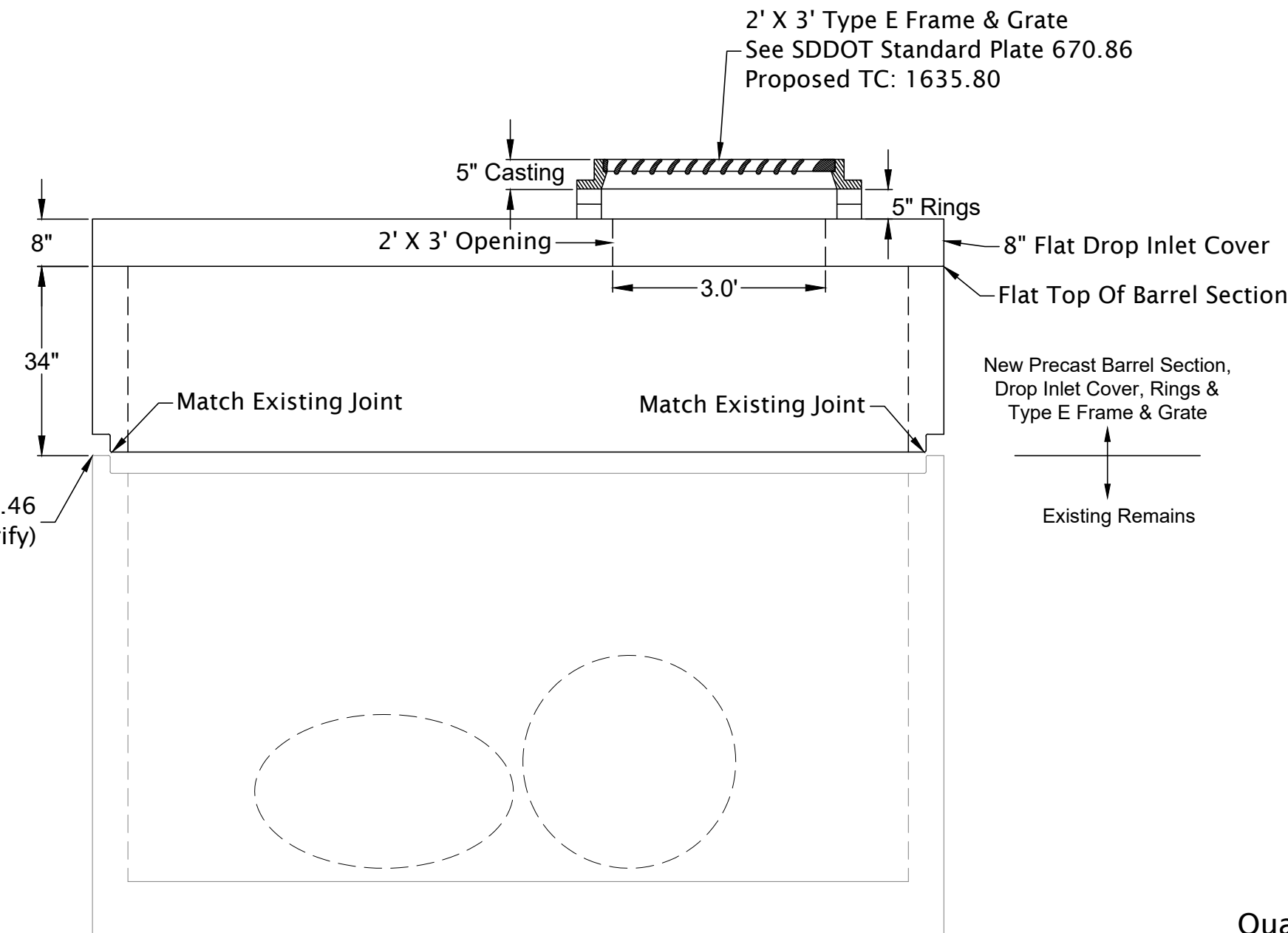
Mow Strip
Scale: 1" = 1'-0"

General Notes Pertaining to Mow Strip:

1. All joints and edges shall be finished with an approved edging tool.
2. Begin floating immediately after the water sheen has disappeared. Immediately after float finish, the surface shall be brushed or broomed to slightly roughen the surface and remove the finishing tool marks.
3. Contraction joints shall be formed by means of a grooving tool to the depth of at least one-third (1/3) the thickness of the concrete. When mow edge abuts concrete curb, the transverse joints shall typically be placed at intervals matching the curb & gutter.
4. 1/2" expansion joint material shall be installed at 100' intervals.
5. Concrete shall be SDDOT Class M6 Concrete with the coarse aggregate being crushed ledge rock.
6. **Install expansion joint material between the mow strip and abutting curb or abutting building wall and columns. Expansion joints must be sealed with an SD DOT approved joint sealer.**



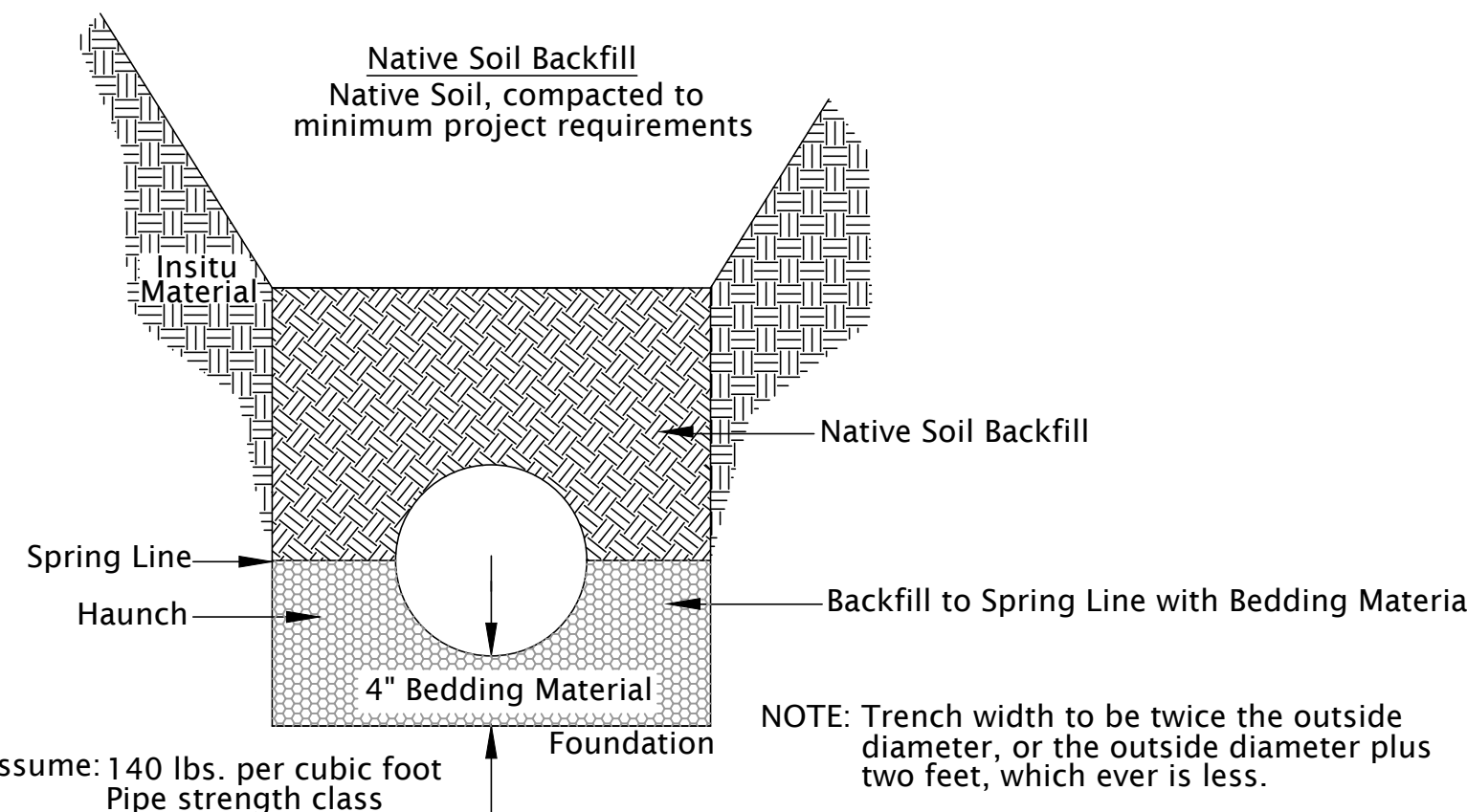
4' X 11' Type S Drop Inlet Adjustments
Scale: 1" = 2'



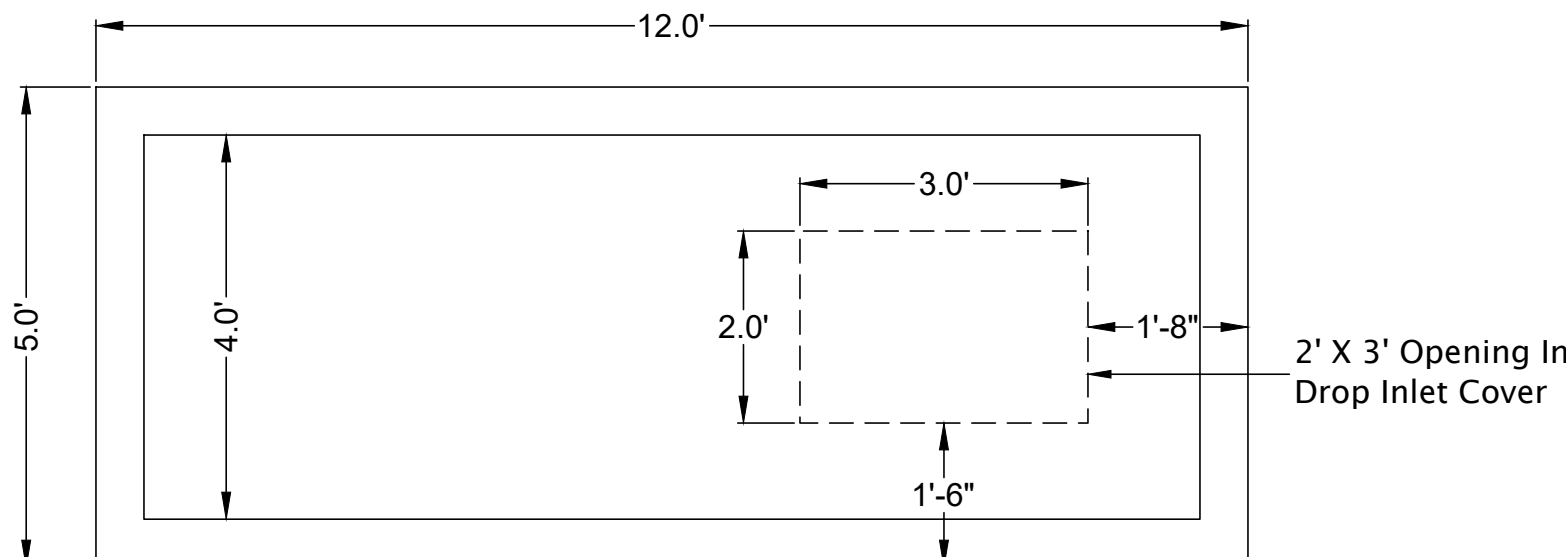
4' X 11' Type S Drop Inlet Adjustments
Scale: 1" = 2'

Quantity Estimate Table For Bedding Material

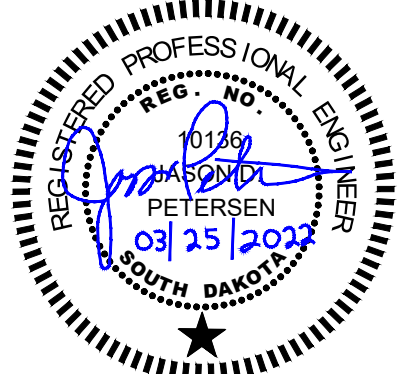
Round Pipe	Arch Pipe
12"	0.14 Ton/L.F.
15"	0.19 Ton/L.F.
18"	0.25 Ton/L.F.
21"	0.29 Ton/L.F.
24"	0.33 Ton/L.F.
27"	0.36 Ton/L.F.
30"	0.40 Ton/L.F.
33"	0.44 Ton/L.F.
36"	0.48 Ton/L.F.
42"	0.57 Ton/L.F.
48"	0.67 Ton/L.F.
54"	0.77 Ton/L.F.
60"	0.88 Ton/L.F.
66"	0.98 Ton/L.F.
72"	1.10 Ton/L.F.
78"	1.24 Ton/L.F.
84"	1.35 Ton/L.F.

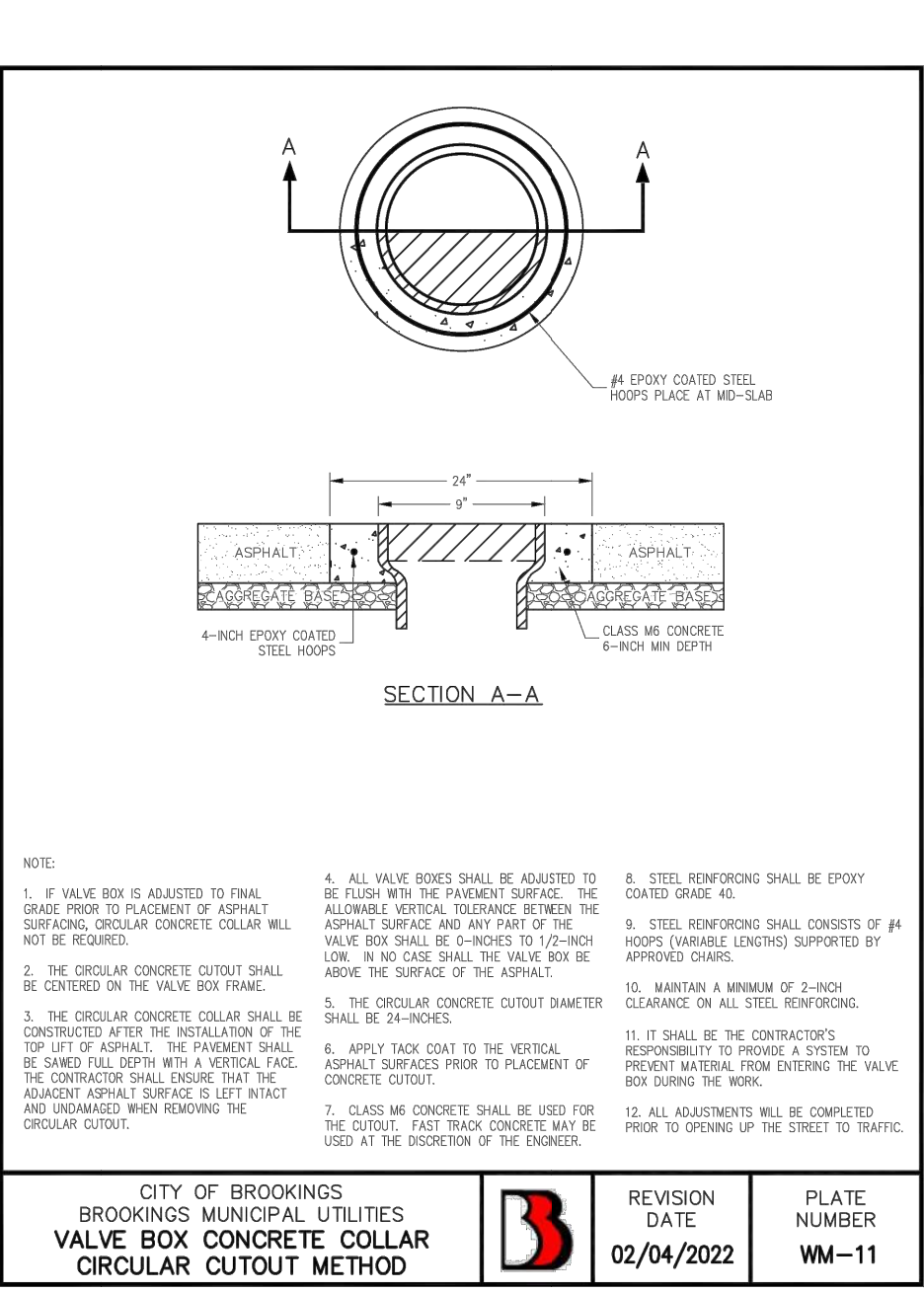
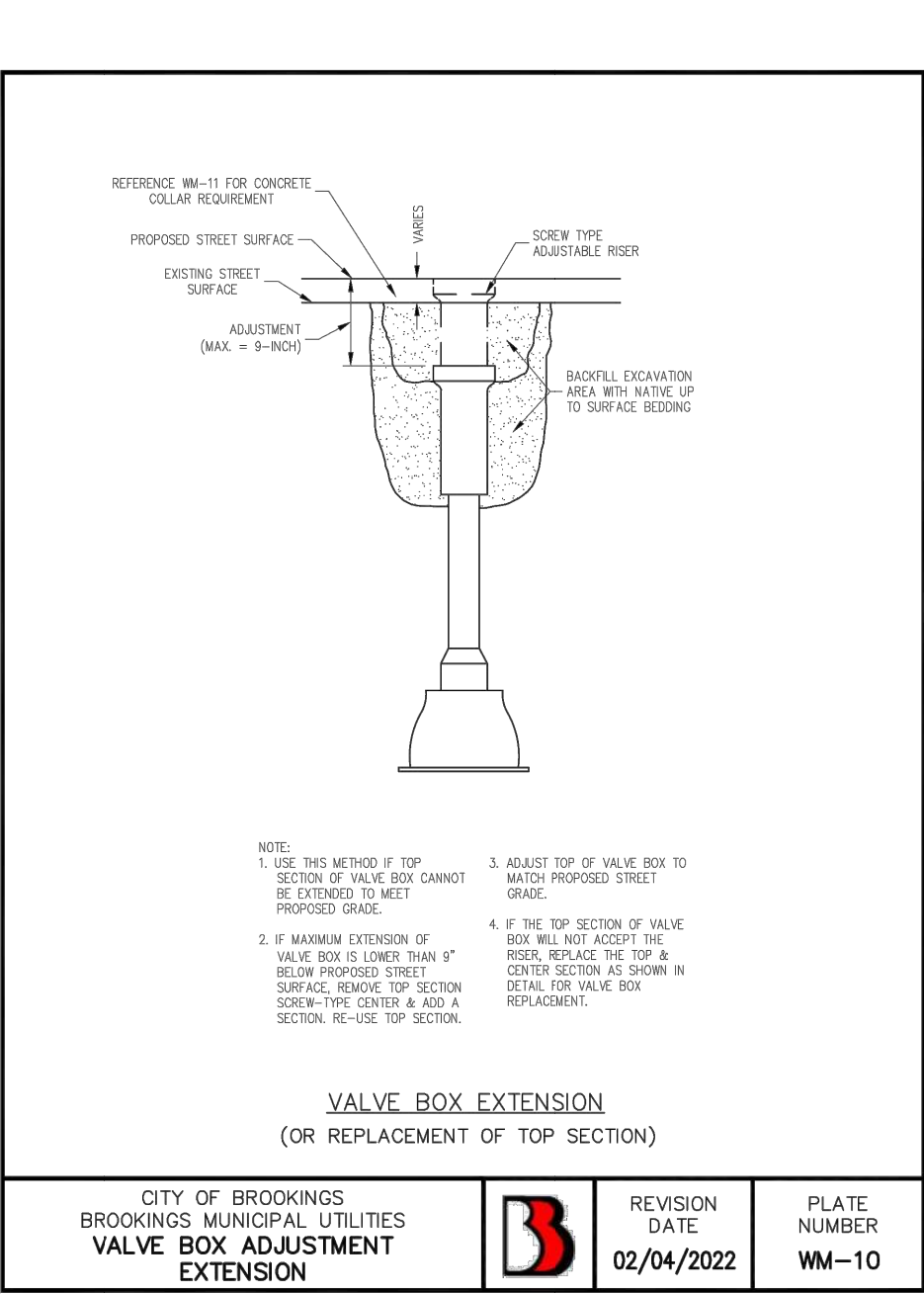
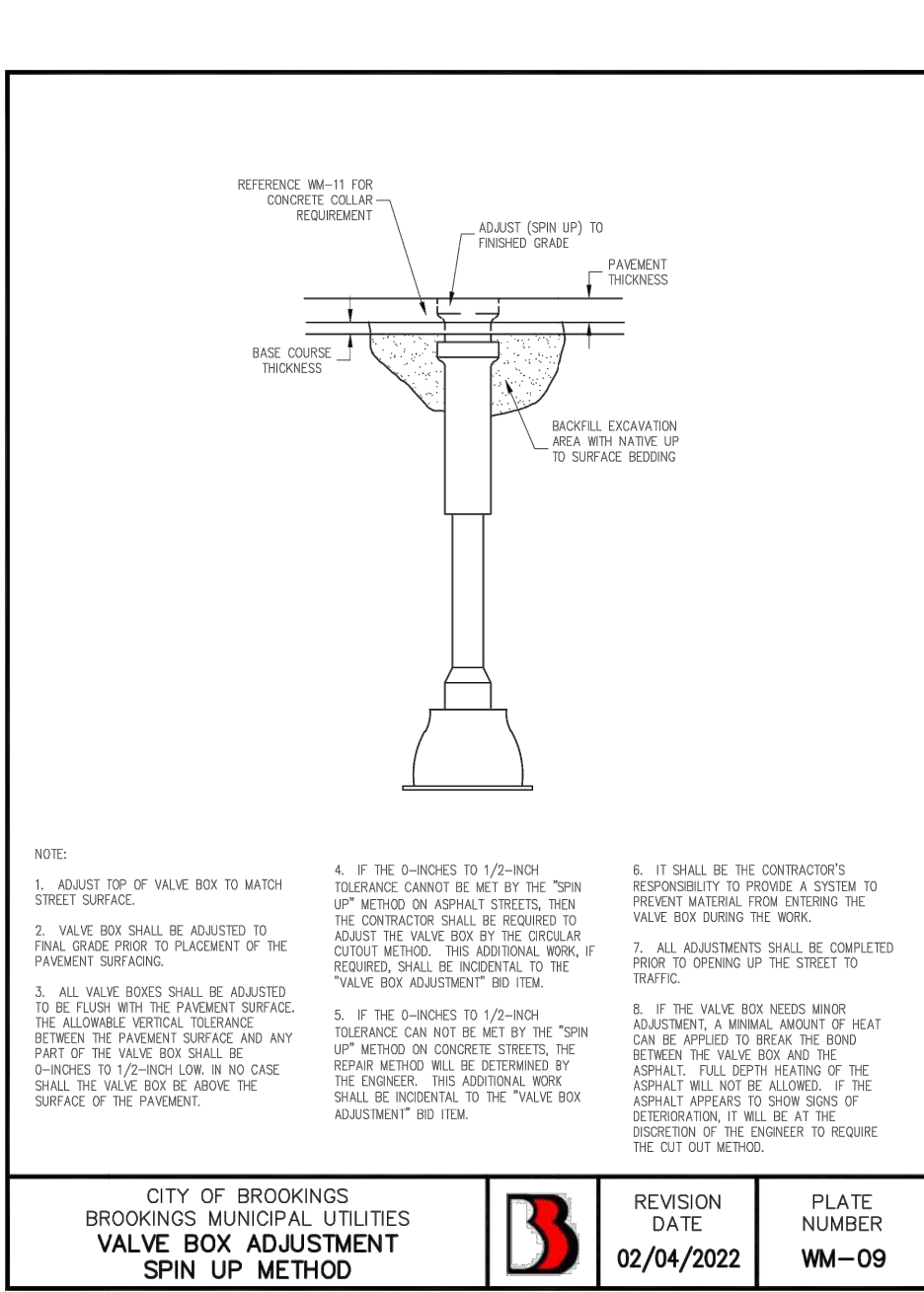
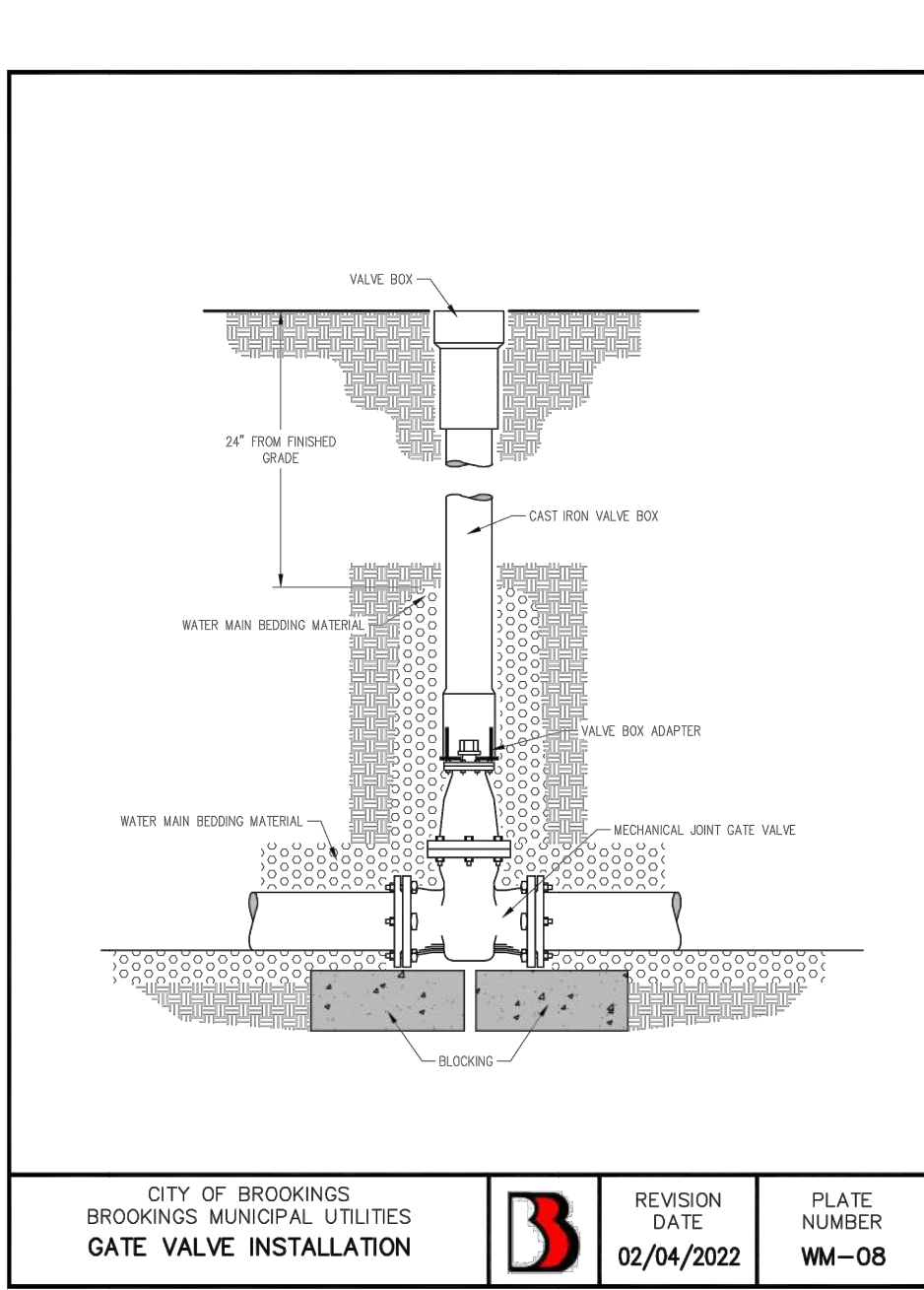
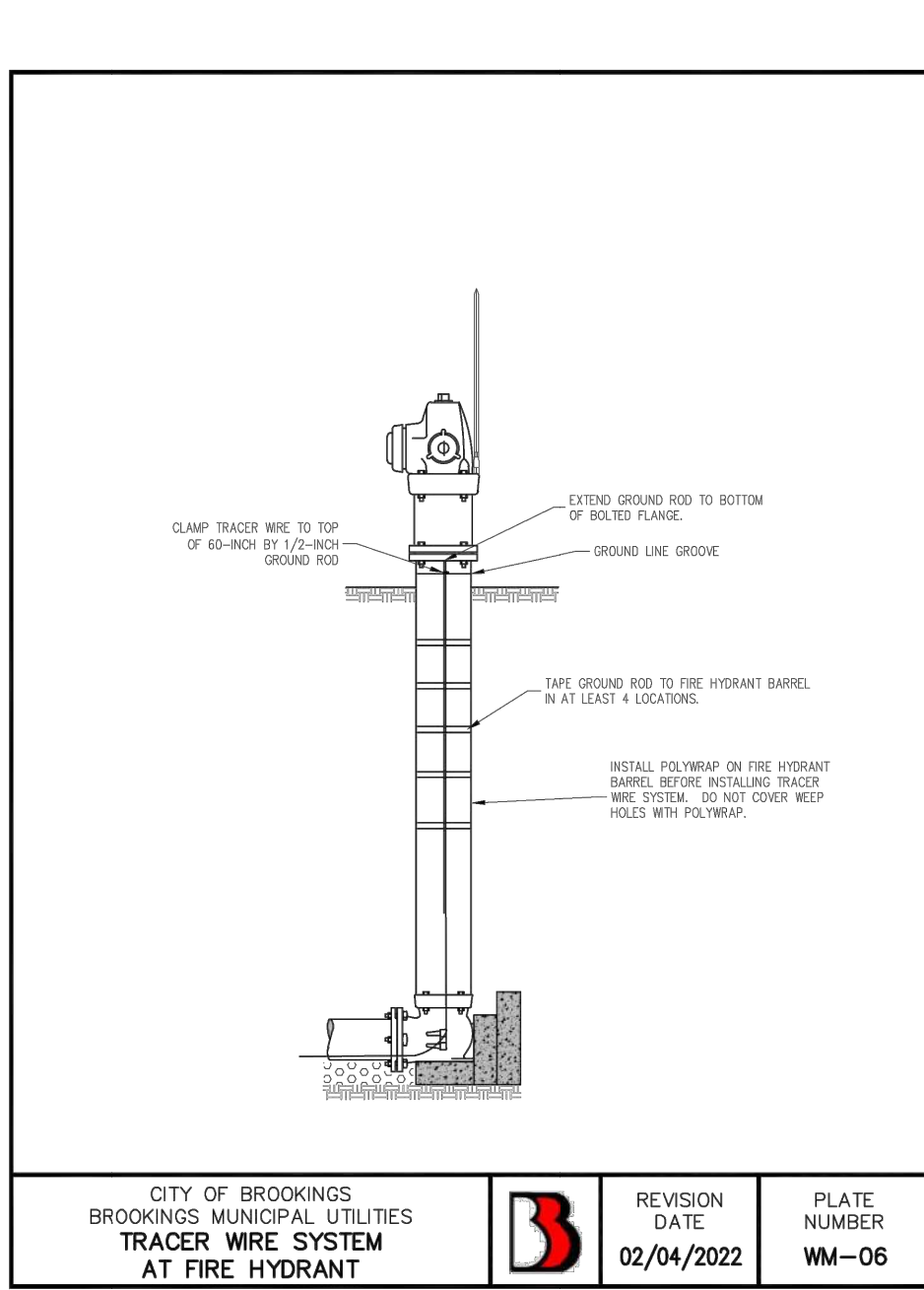
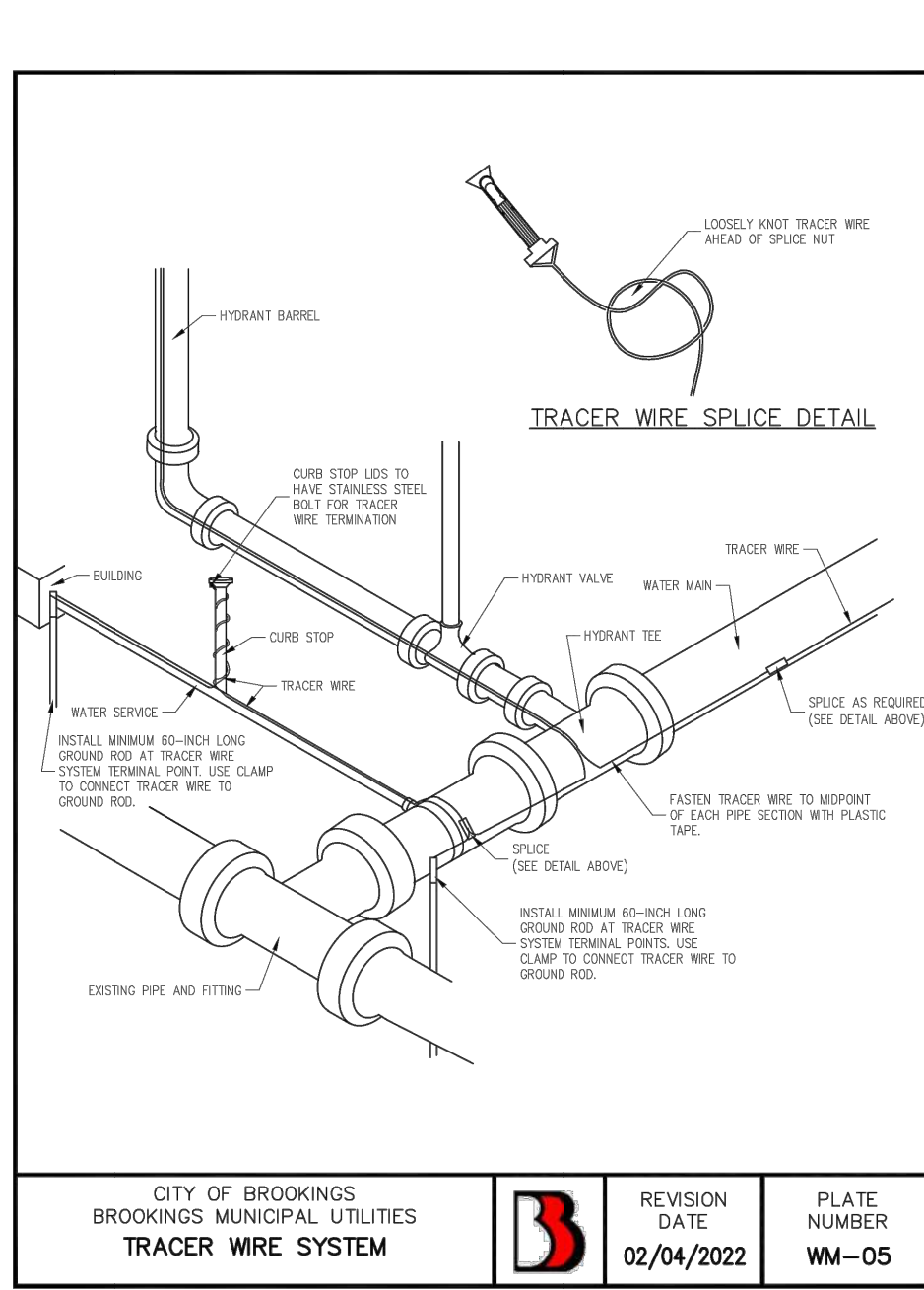
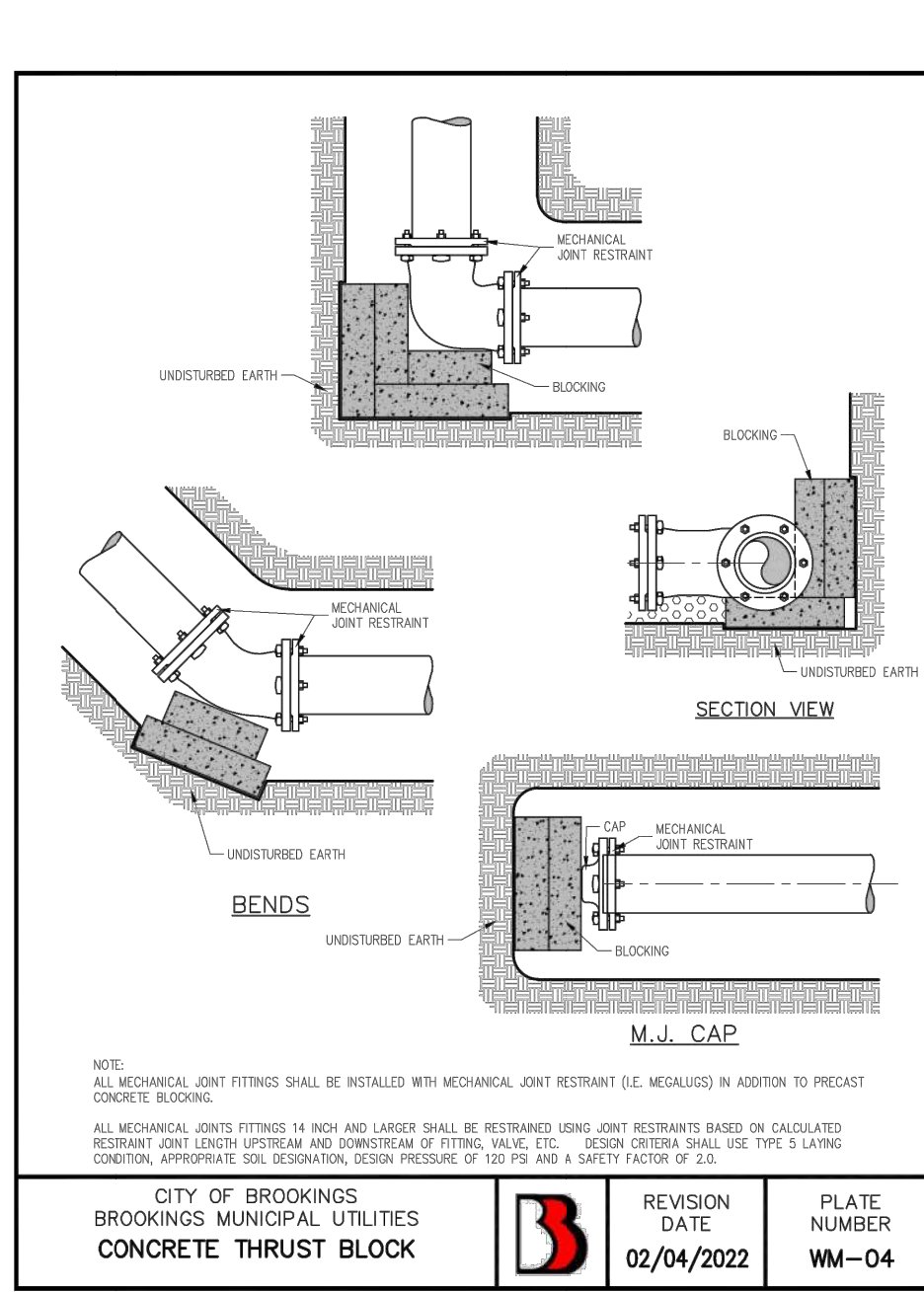
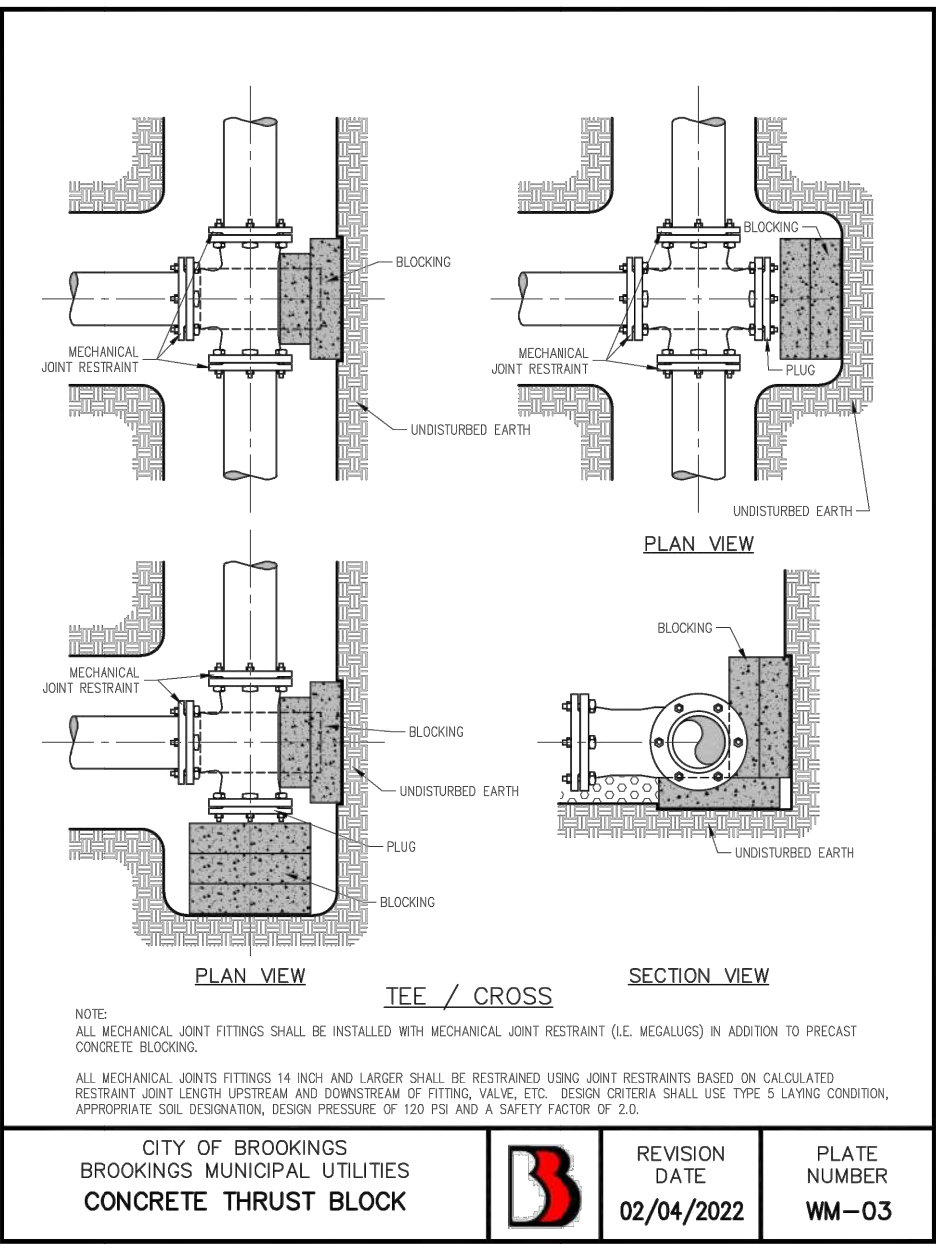
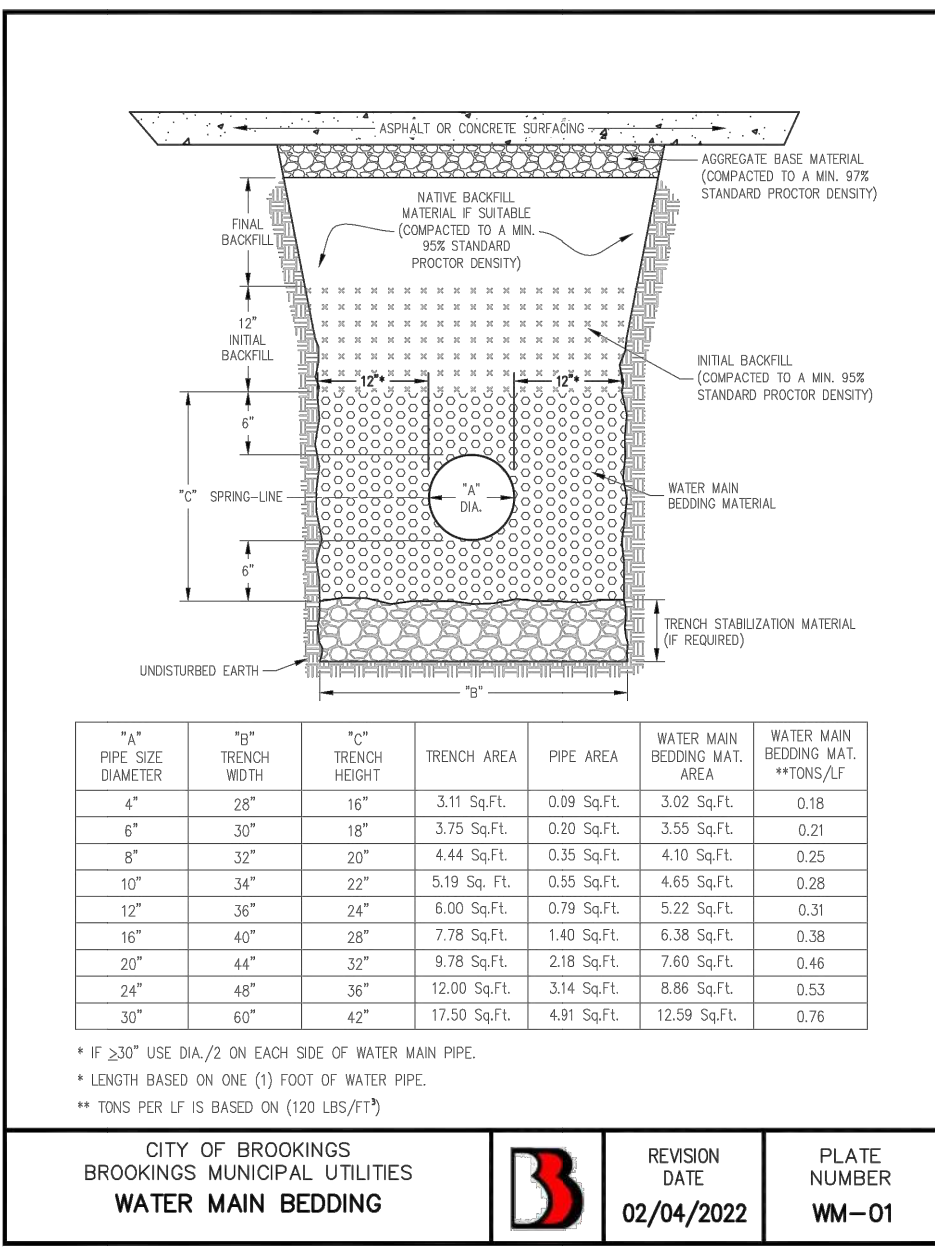
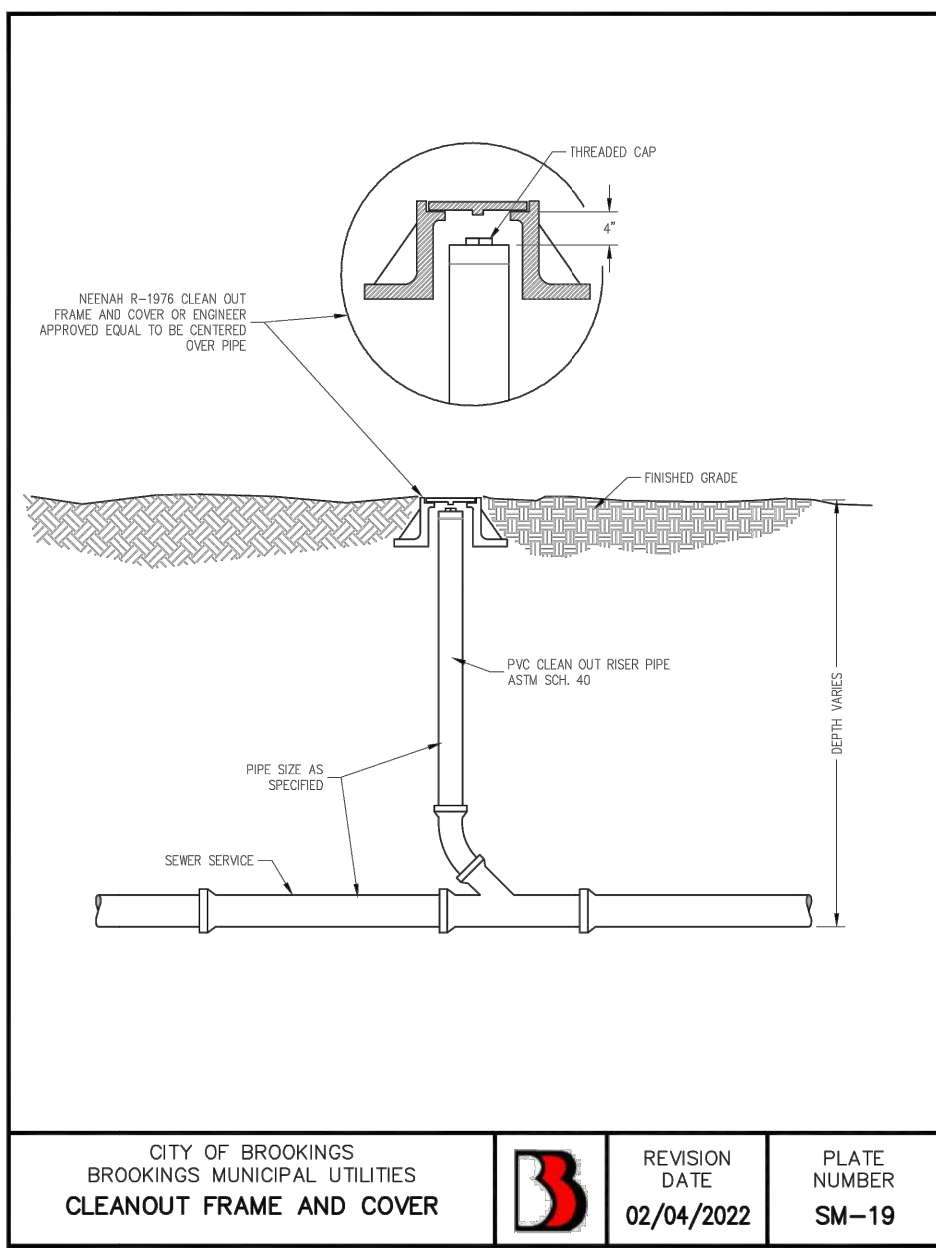
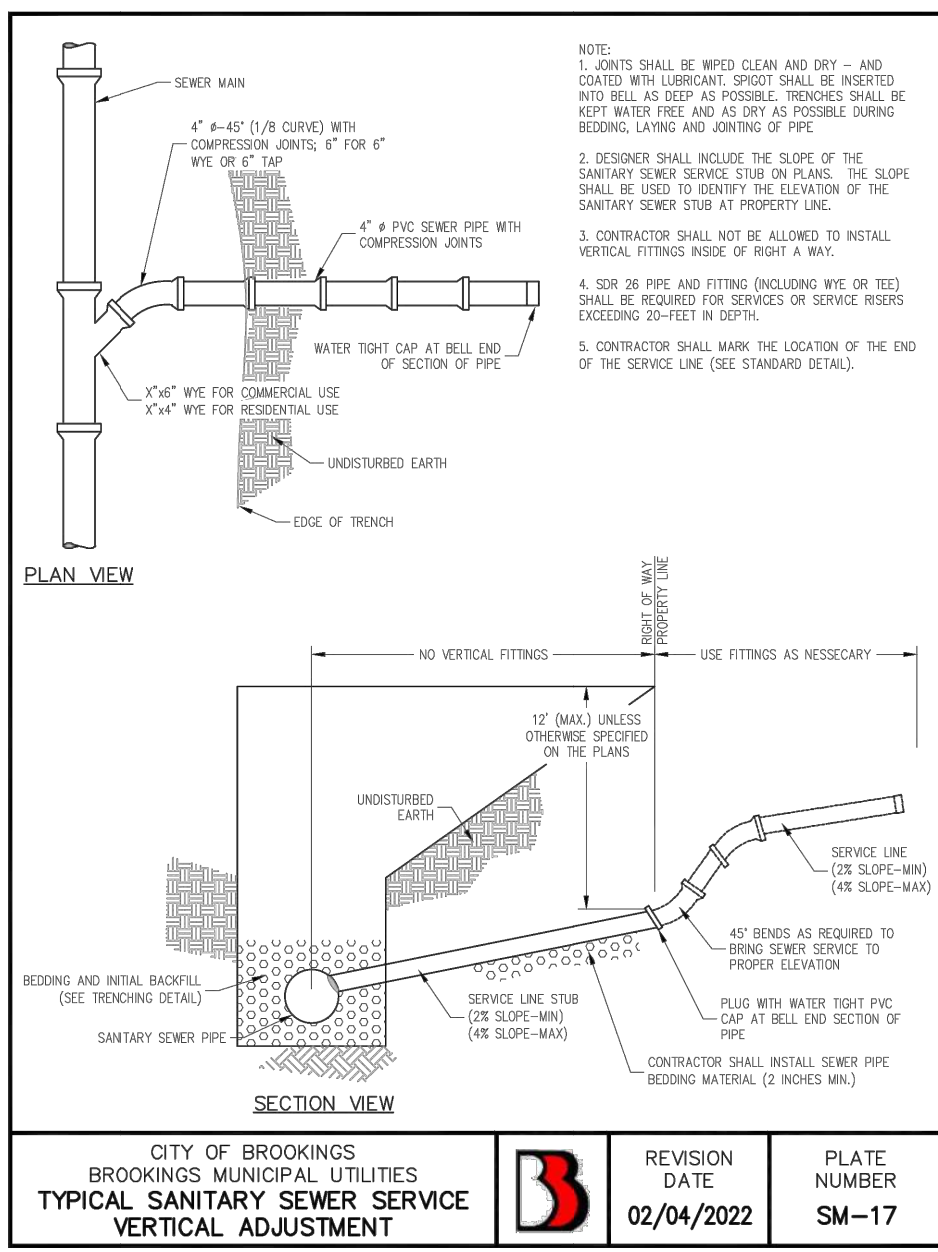
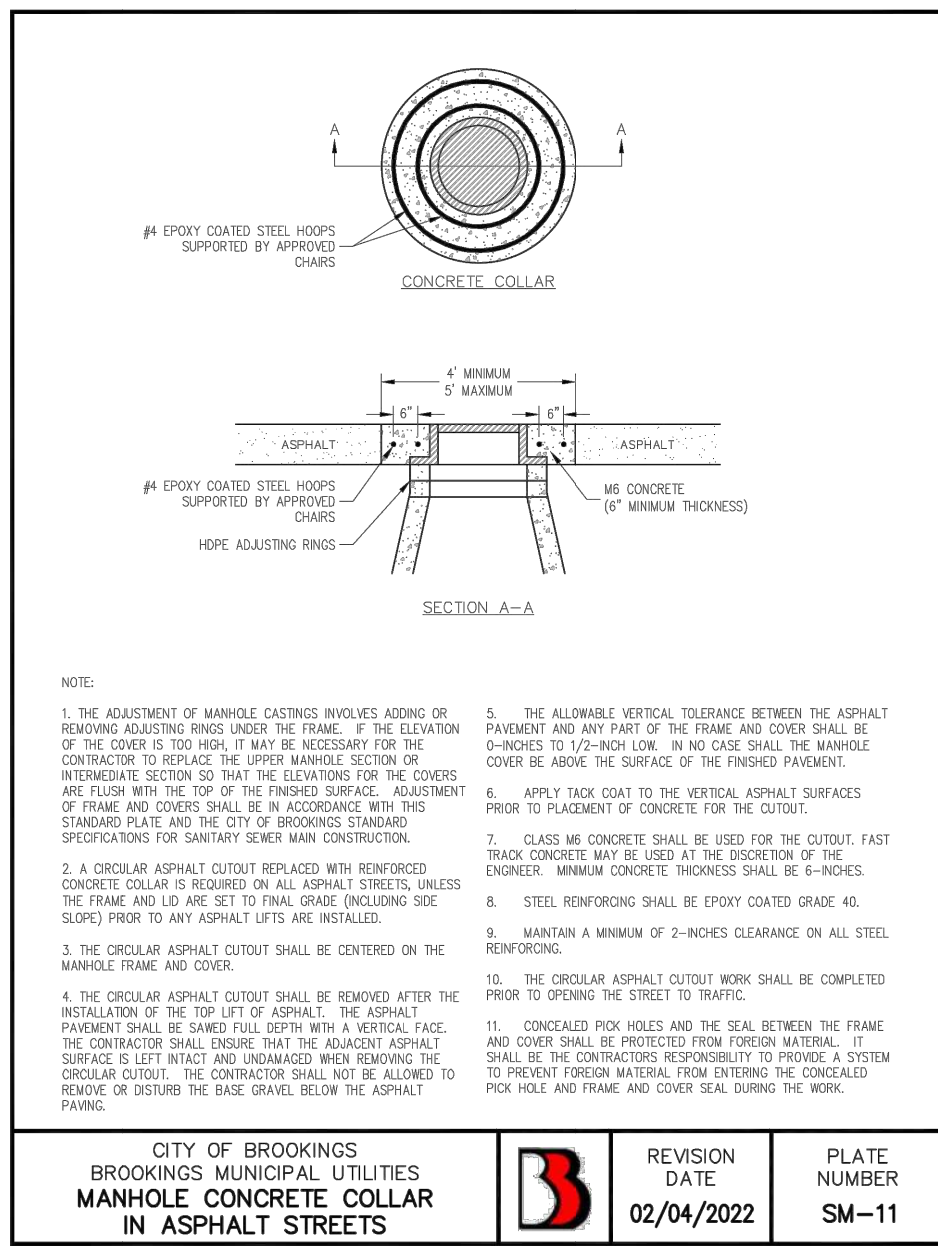
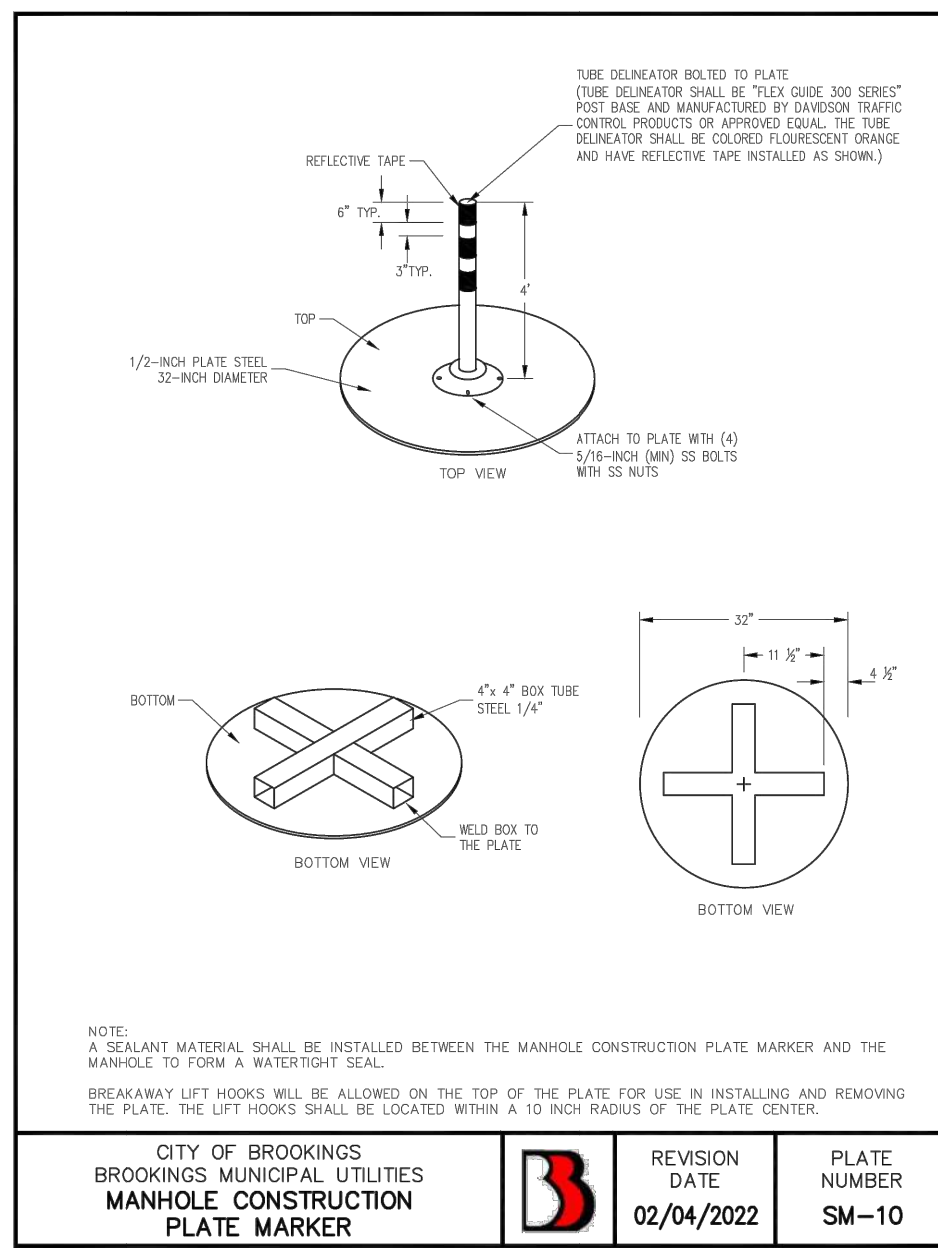
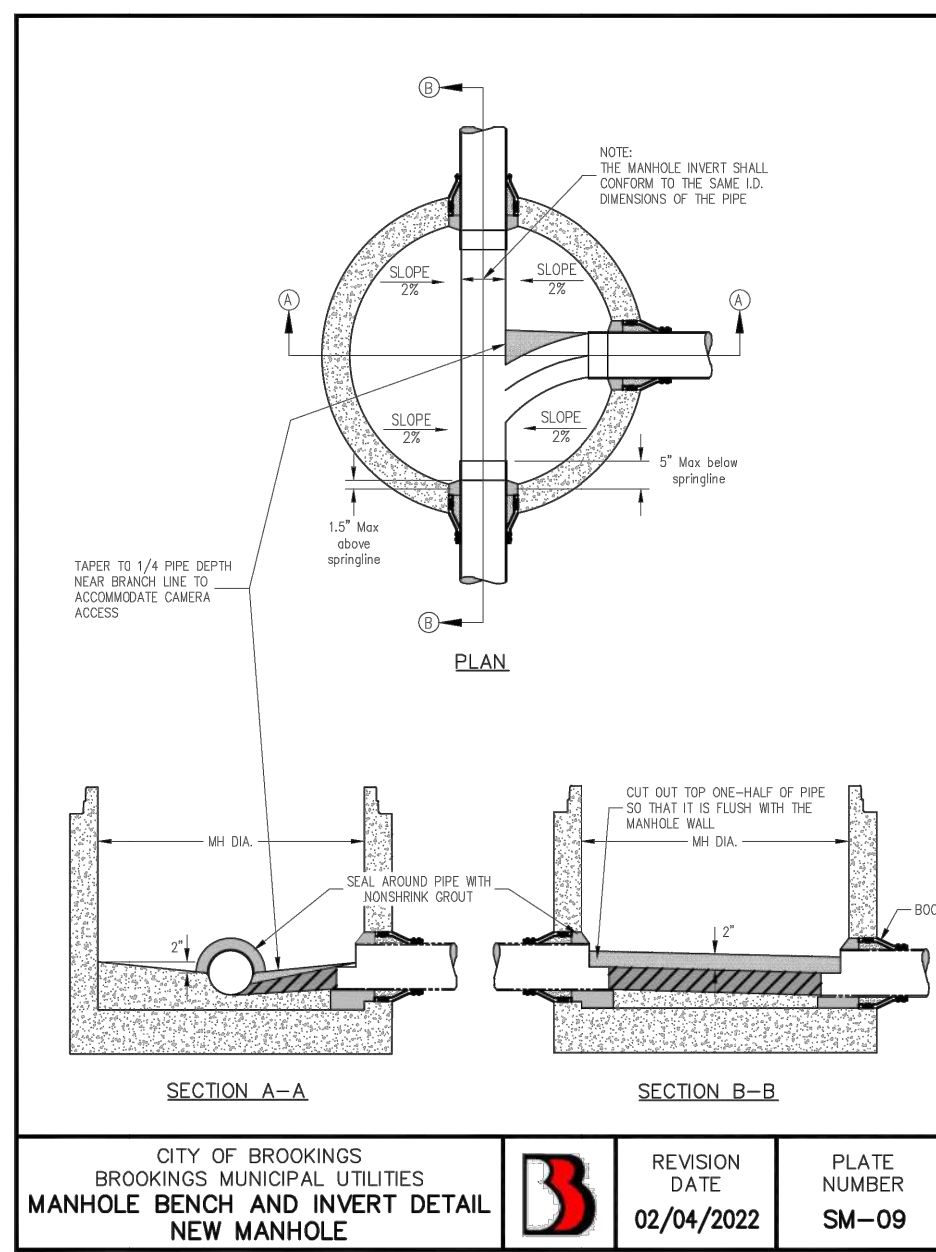
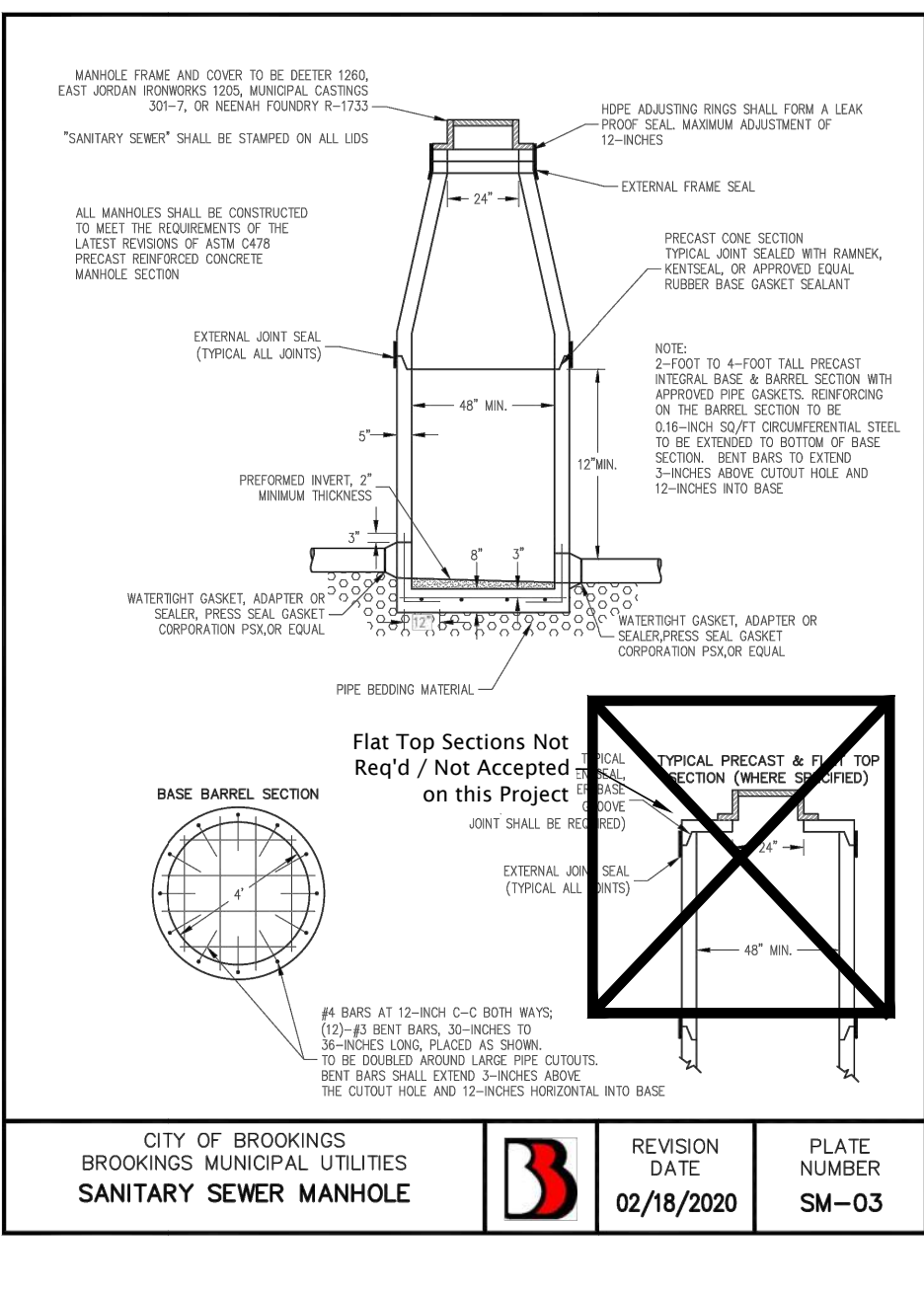
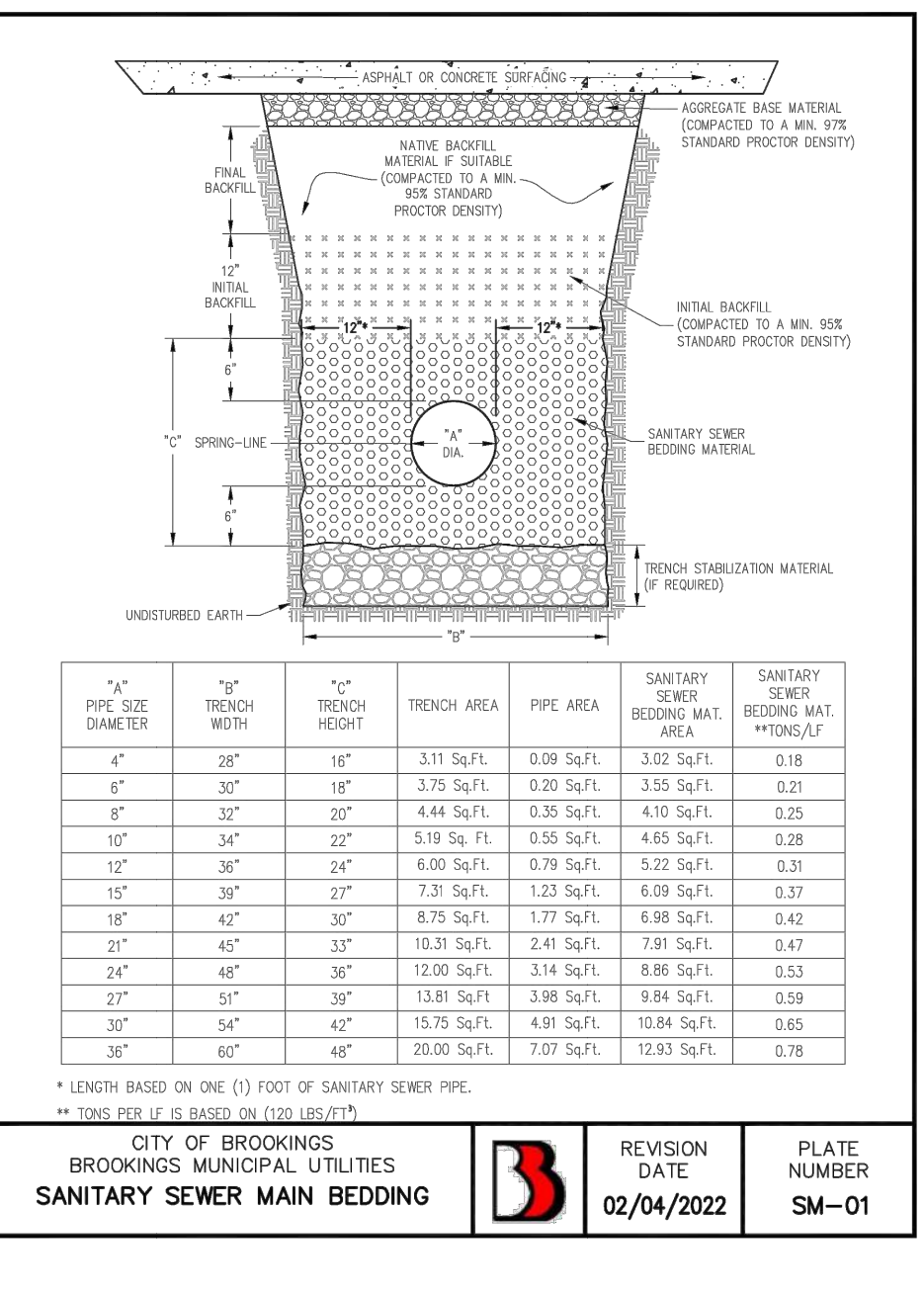
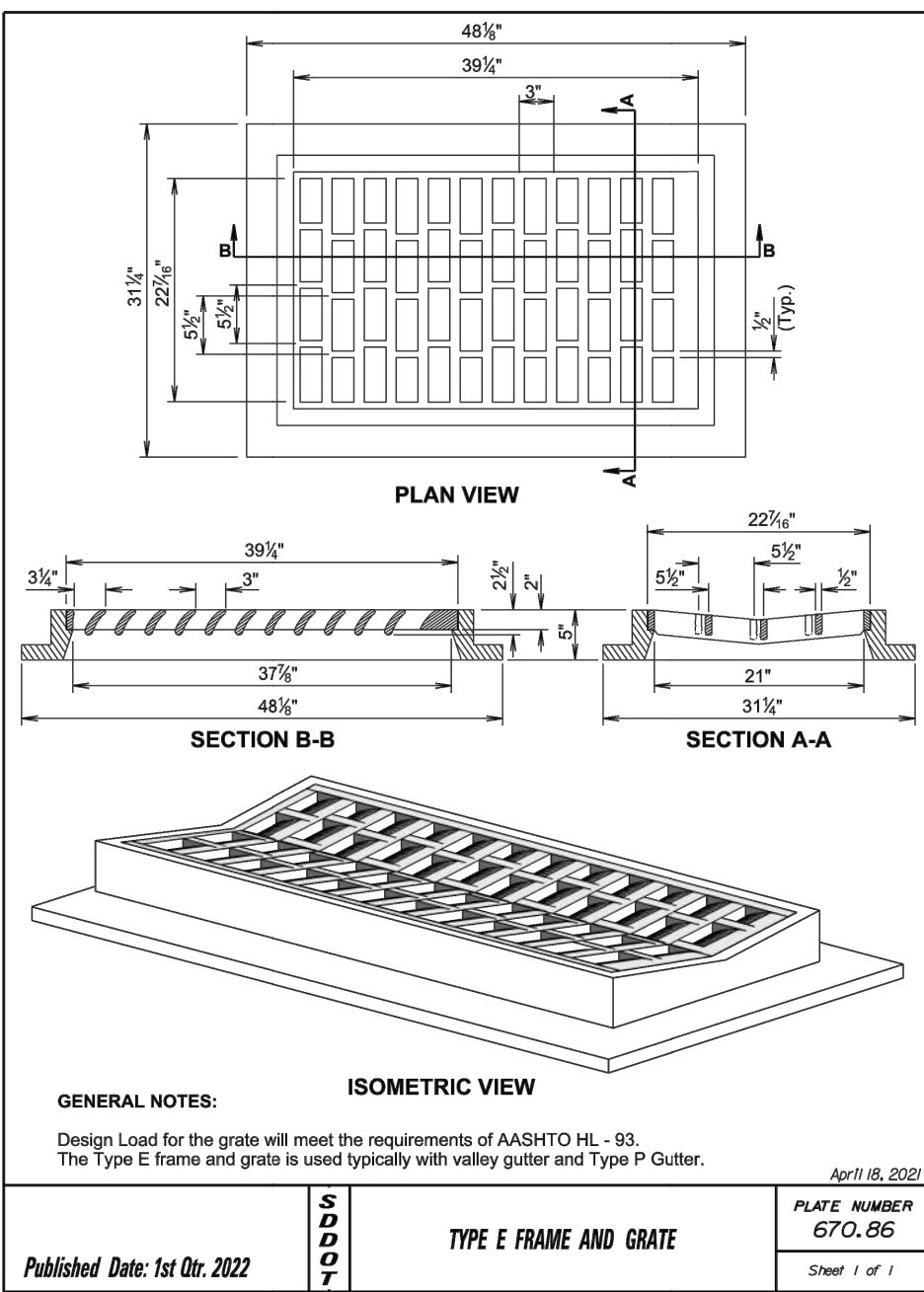
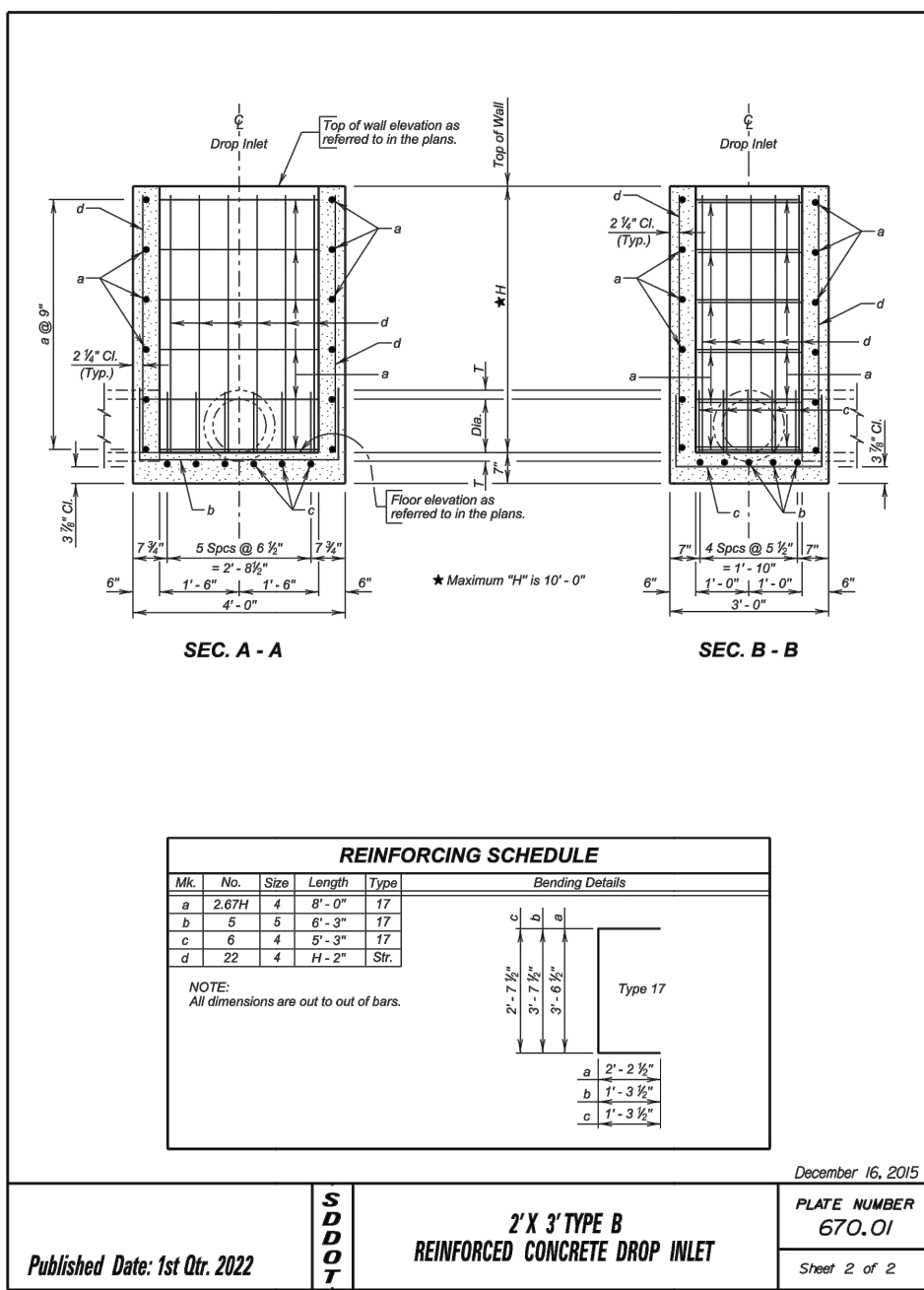
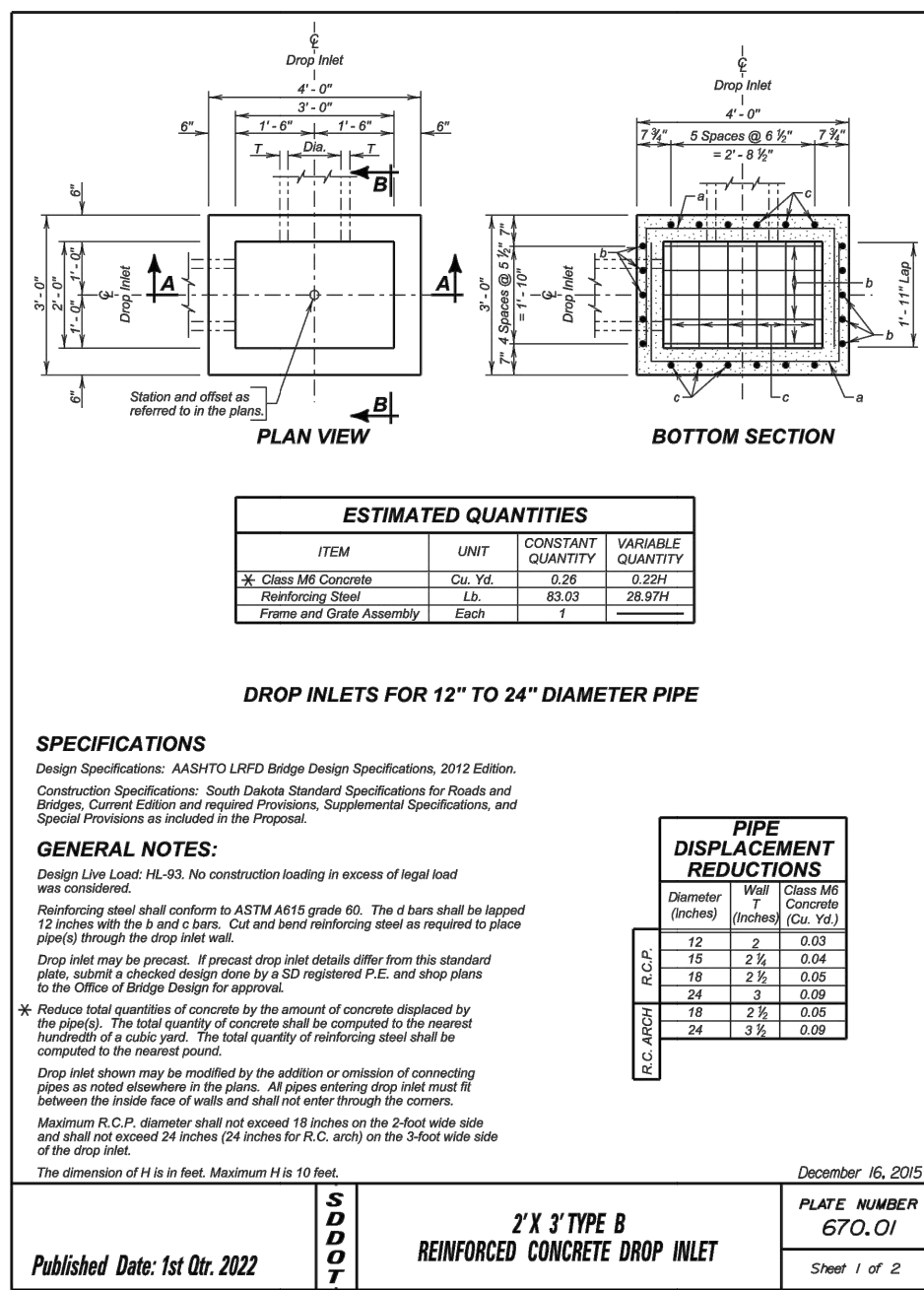
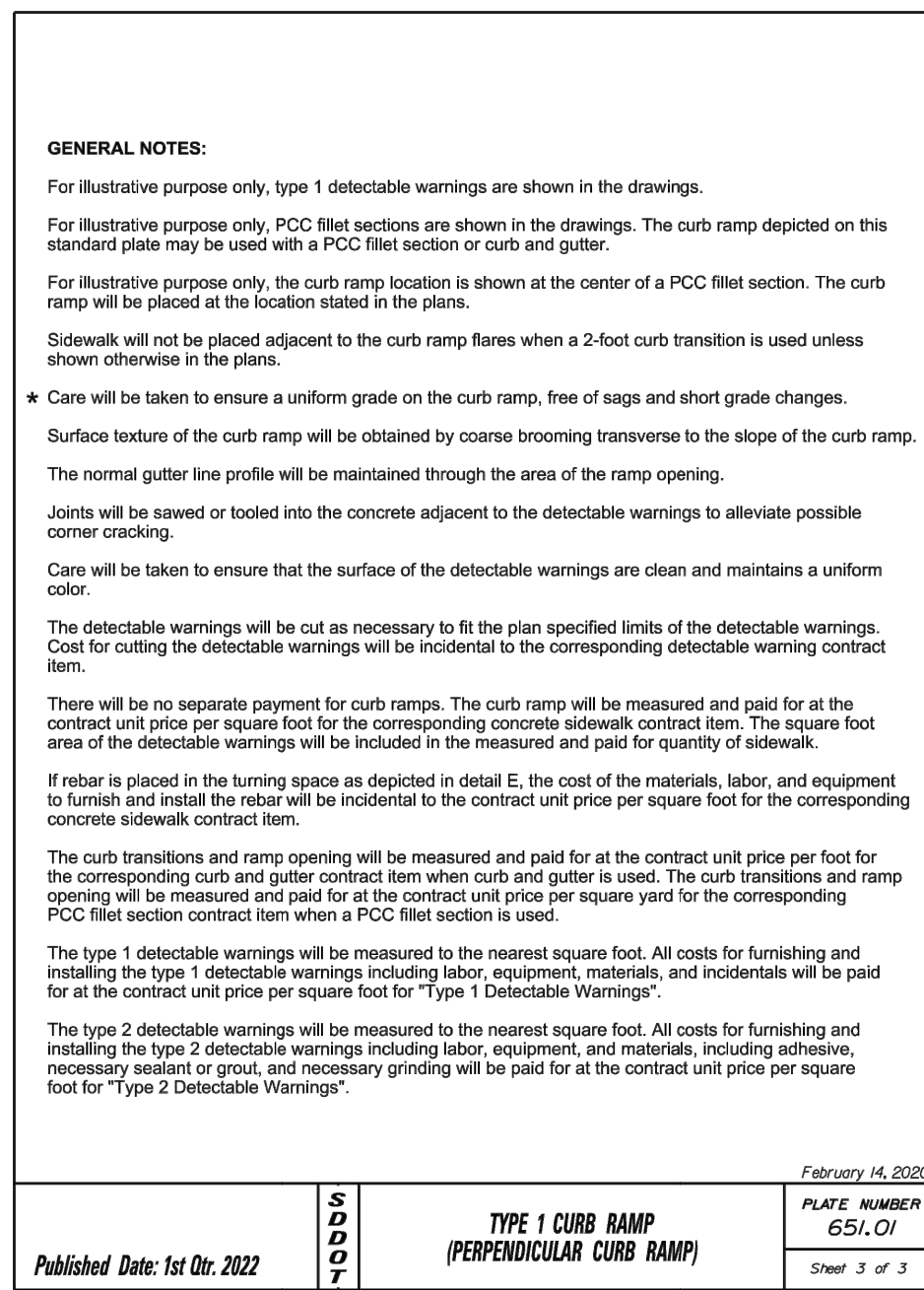
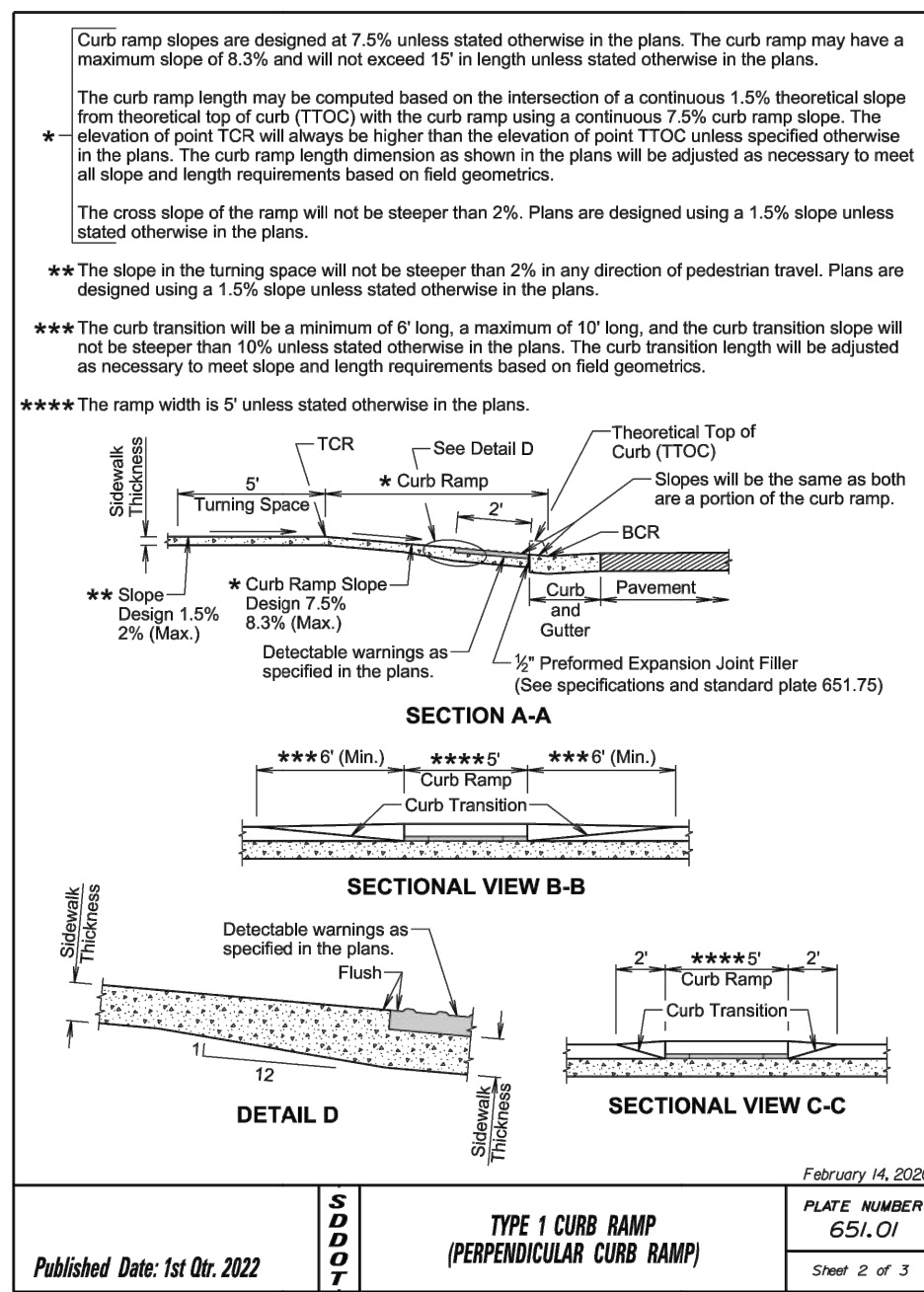
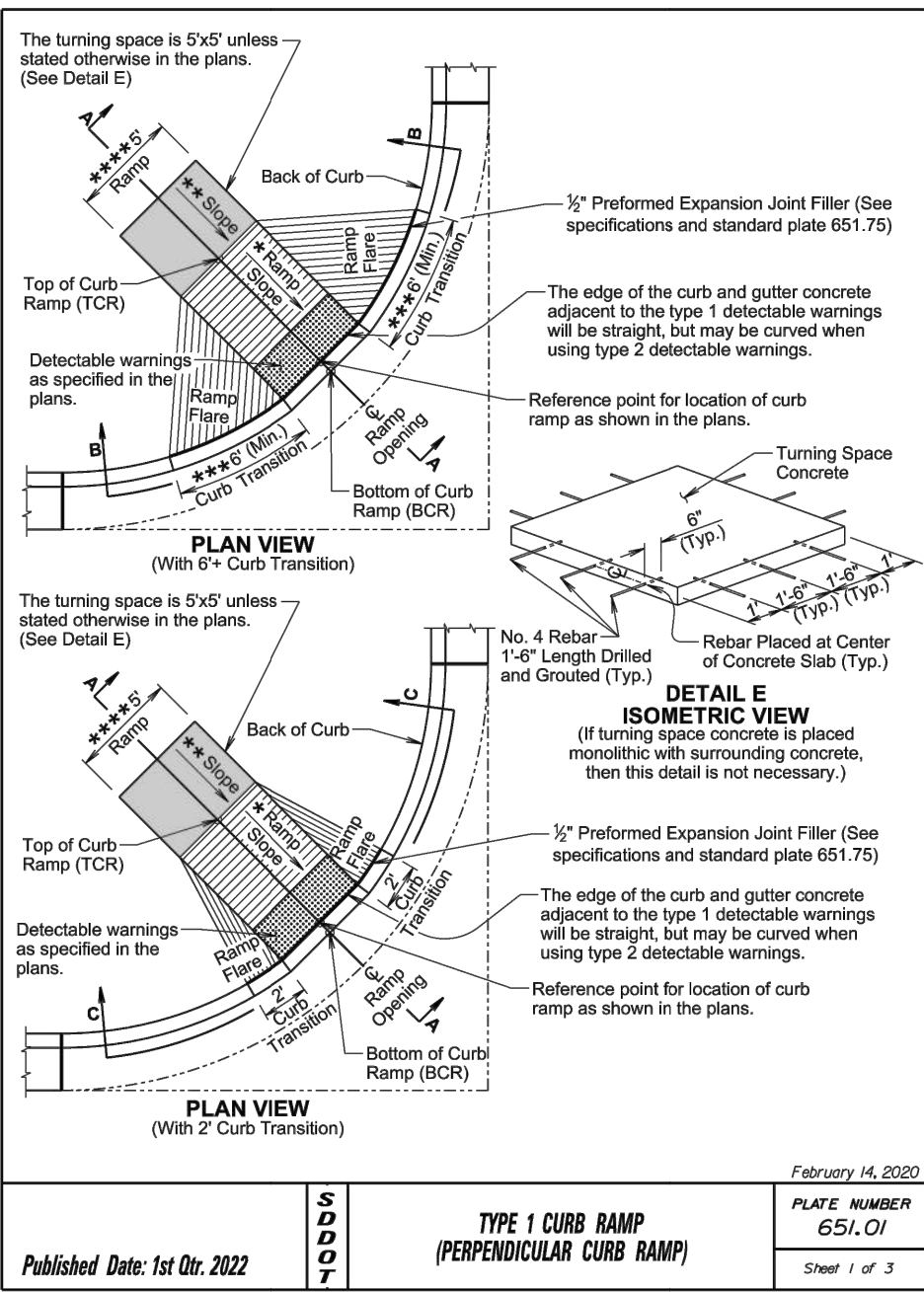
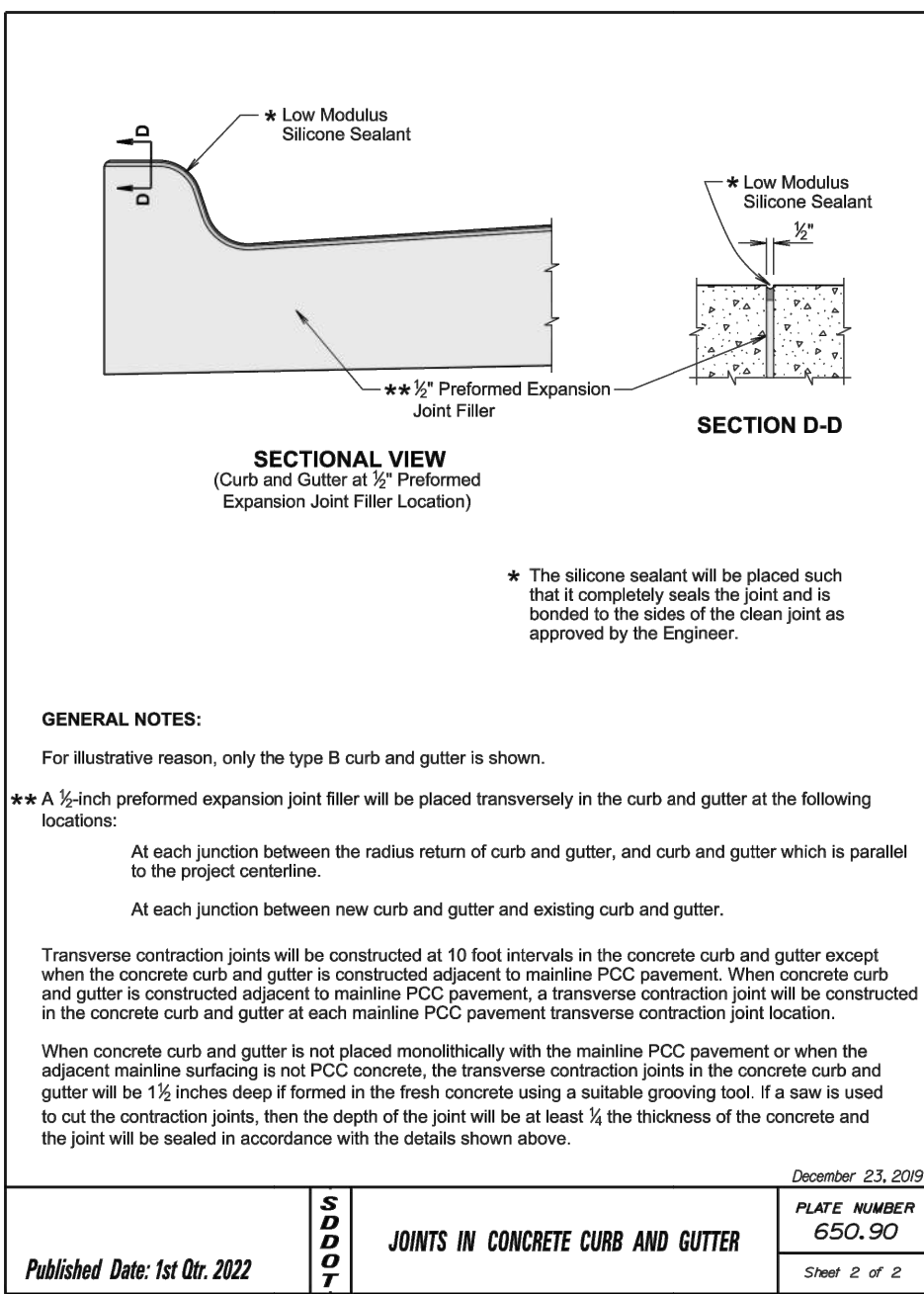
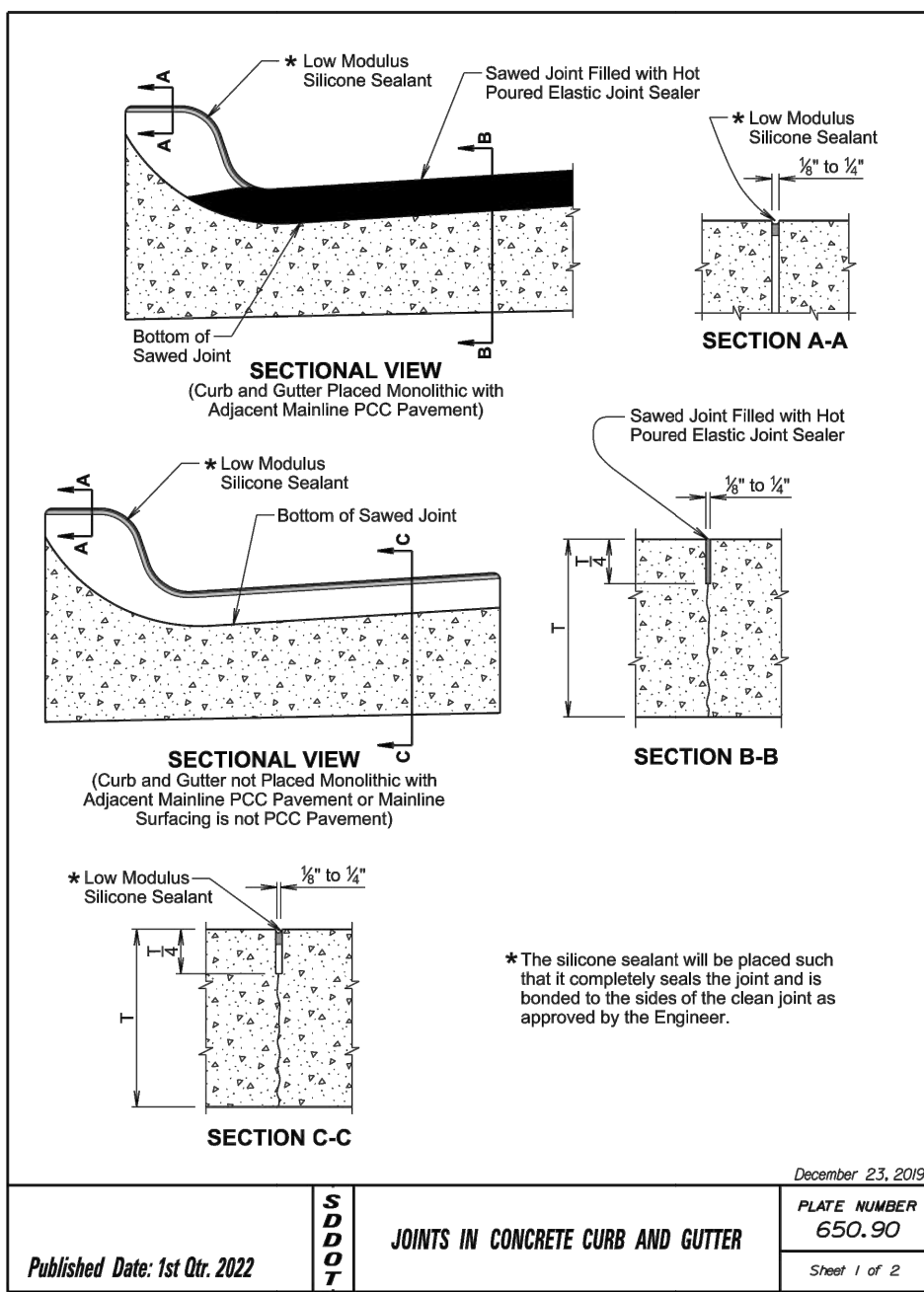
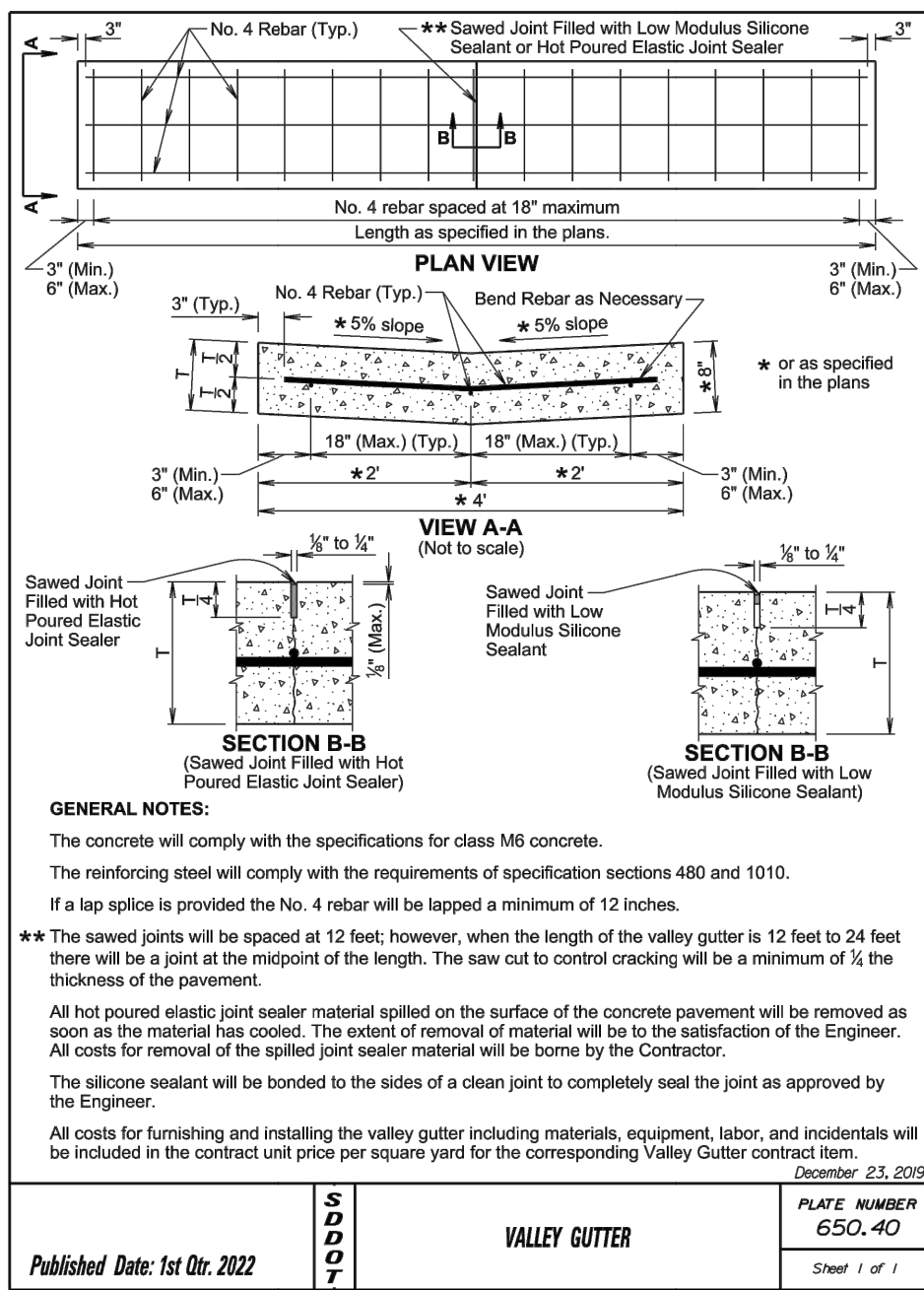
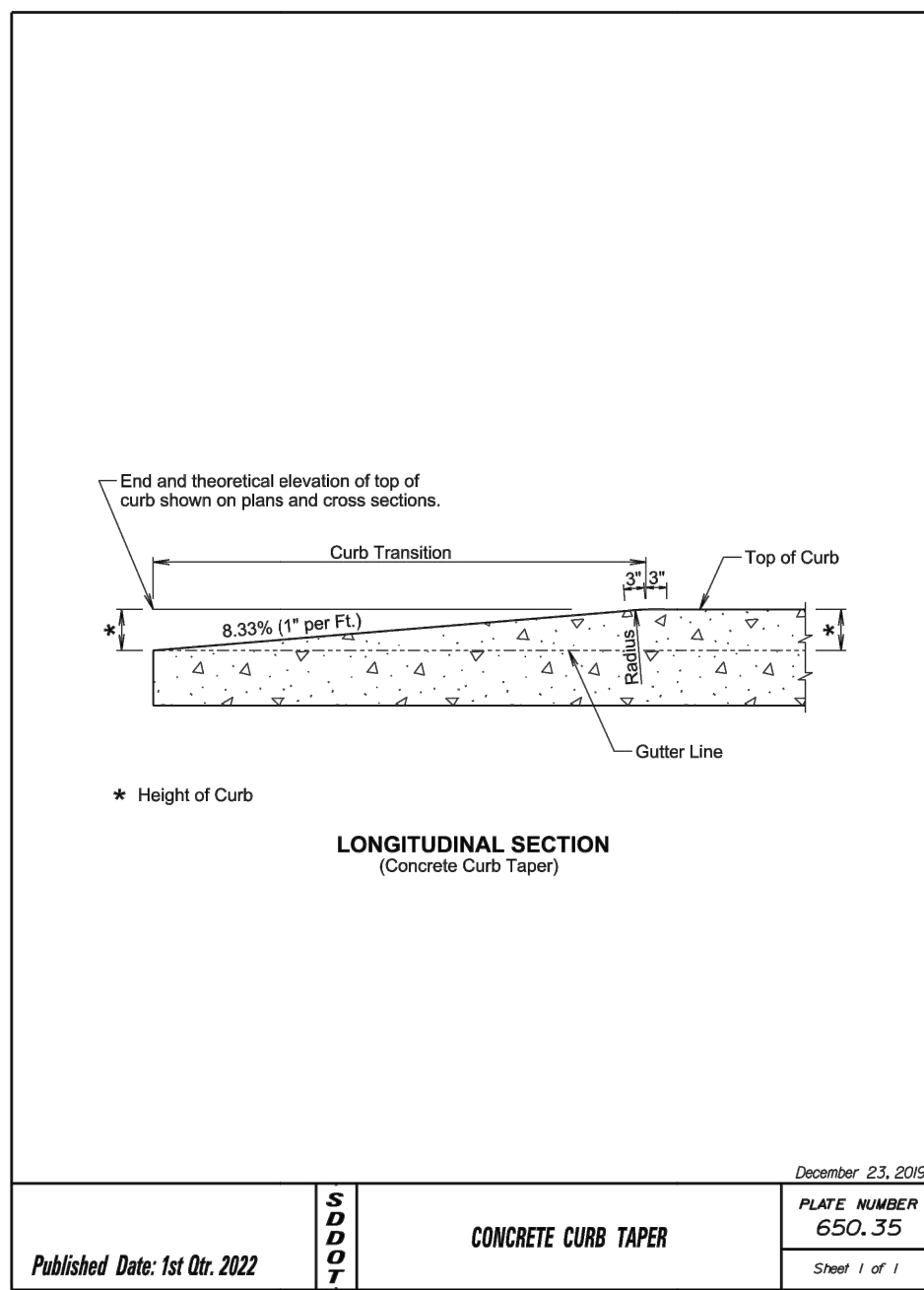
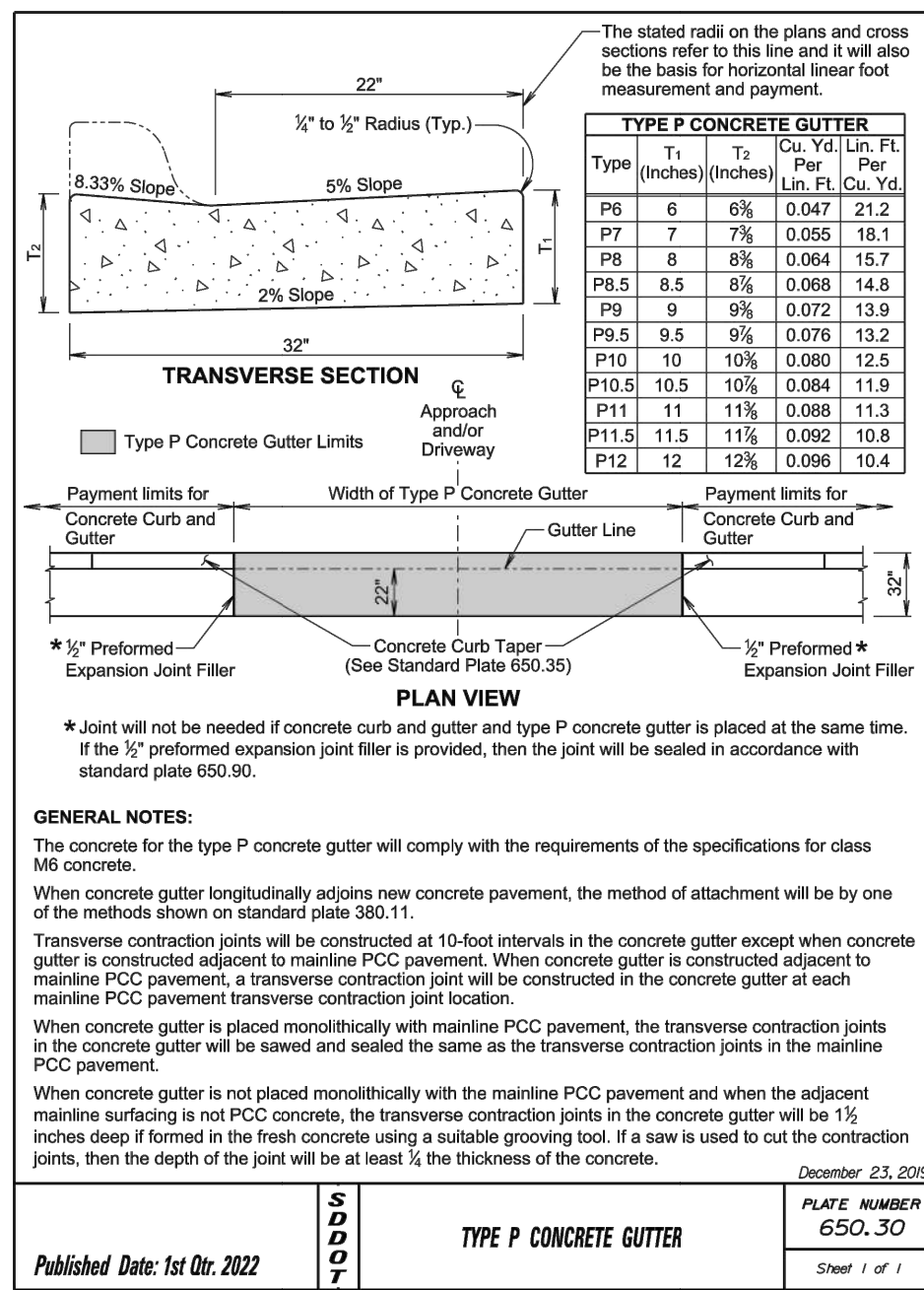
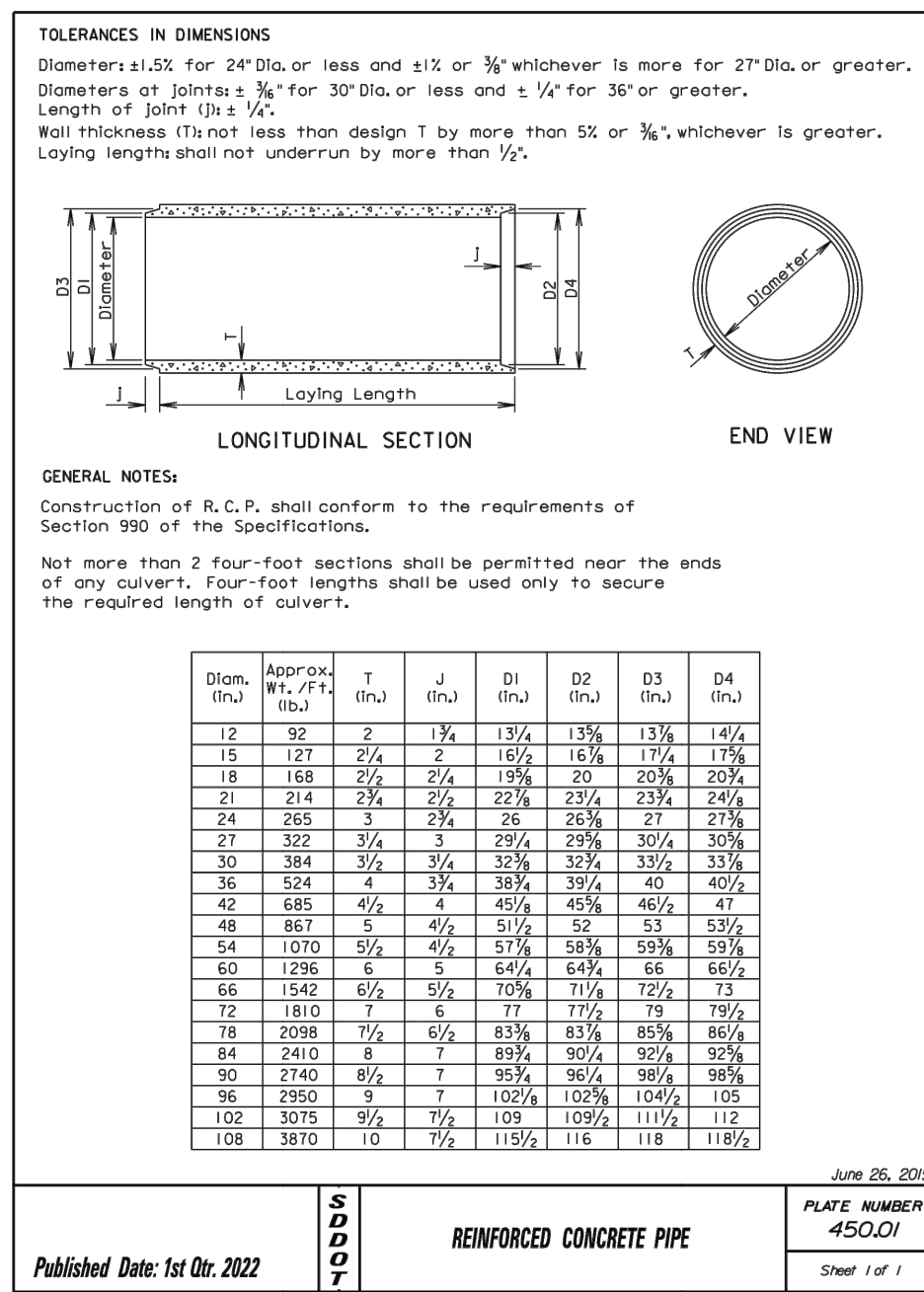


Storm Pipe Bedding Detail For 12" thru 84" Diameter Pipe Type B Installation for Storm Sewer



Plan View
Scale: 1" = 2'





EAPC

Architecture

Engineering

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Industrial

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www.eapc.net

CONSULTANTS

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CIVIL DESIGN INC

609 MAIN AVE. SOUTH BROOKINGS, SD 57006

CLIENT

SOUTH DAKOTA STATE UNIVERSITY

PROJECT DESCRIPTION

FB&T ARENA AND SJM ADDITIONS AND RENOVATIONS

(OSE# R0319-23X/FBT)

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CITY

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ISSUE DATES

PROJECT NO:

2019-012

DRAWN BY:

JDS

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03/25/2022

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STANDARD PLATES

C007