



- 1-01 Any existing utility locations shown on plans are shown in their original location based upon the best information available to the ENGINEER. It will be the CONTRACTOR's responsibility to maintain service of existing utilities throughout the project whether they are to remain or they are to be abandoned after relocation.
- 1-02 The CONTRACTOR shall coordinate the location (horizontal and vertical) of any existing utilities with the appropriate utility company before construction begins.
- 1-03 Any utility line or service line encountered during construction, whether shown on plans or not, shall be protected by the CONTRACTOR and any repairs necessary due to damage to same by the CONTRACTOR shall be at no additional cost to the OWNER. Live utilities found during construction that are not shown on the drawings shall be connected to the new system by the contractor.
- 1-04 The CONTRACTOR shall be responsible for verifying horizontal and vertical clearances on any utility service crossings required before installation.
- 1-05 The CONTRACTOR shall establish and maintain grass cover by whatever means necessary to prevent any erosion where the existing vegetation was removed or disturbed during construction. CONTRACTOR shall abide by the minimum requirements in the guidelines established by the MDEQ Storm Water General Permit Regulations See note on erosion control plan regarding OWNER submission of LCN01 and transfer of permit coverage to CONTRACTOR.
- 1-06 The erosion control devices referenced in these plans are a min. requirement. It is the responsibility of the CONTRACTOR to ensure that silt does not leave the property and/or contaminate waters of the U.S. during construction.
- 1-07 Unsuitable bedding, backfill or site subgrade material which may be encountered shall be excavated to the limits required and backfilled with acceptable material to the lines and grades shown on the plans. Unless a separate pay item is noted for this removal and backfill, no additional compensation shall be made but shall be absorbed in the contract price.
- 1-08 Where the construction crosses permanent surfaces or improved features, the CONTRACTOR shall replace same in accordance with the specifications, or shall restore same to its original or better condition. Unless indicated otherwise on the plans, all paved surfaces will be crossed by cased bore or unencased bore, while all gravel surfaces will be crossed by open cut.
- 1-09 The CONTRACTOR's area of work should be limited to the project site and any easements or rights-of-way shown on the plans, unless otherwise noted herein.
- 1-10 All traffic control devices on this project shall comply with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD).
- 1-11 Prior to excavation and embankment construction, all topsoil shall be stripped and stockpiled. After completion of excavation and embankment construction, all slopes shall be uniformly plated with the stockpiled topsoil. Stripping, stockpiling, placing and spreading of topsoil will not be measured for payment.
- 1-12 All on-site testing/reports during construction SHALL be submitted to the ENGINEER for review. All submittals, manufacturer's certificates, proposed mix designs, etc. shall be submitted to the ENGINEER for review before incorporation into project.
- 1-13 All testing certifications shall state that the subject material meets the specified quality, grade, purity, class, or weight, or that the subject material meets or exceeds the requirement of the applicable ASTM, AASHTO, MDOT, MSDH or other standards. Certifications shall be submitted to the ENGINEER prior to incorporation of the subject material into the project.
- 1-14 The site layout and proposed grading plan have been prepared based on the recommendations of the Architect/Owner and/or their representatives. Any deviation from the plans as shown should be coordinated through and approved by the owner prior to any changes being made. Other construction contracts may be awarded during the construction of these improvements in areas adjacent to this site. Any coordination between Contractors that is required shall be the responsibility of the Contractor.
- 1-15 Handicap ramps shall be ADA compliant. Sidewalks shall have no greater than 2% cross slope. and no grater than 5% running slope. Contractor's responsibility to check/ field verify slopes before pouring concrete sidewalks and notify ENGINEER immediately of any potential issues or deviations from published plan grades.
- 1-16 Water and sewer service connect to the City of Meridian system. Contractor to contact and coordinate with utility representative for utility service connections. Contractor shall be responsible for acquiring all permits and paying all applicable fees required or construction purposes and utility hookups. These fees may include, but are not limited to, road bond, building permit, utility connection fees, etc.
- 1-17 CONTRACTOR to sod all areas that are disturbed due to construction activities, except for those to receive hardscape improvements as shown on the Plan Sheets.
- 1-18 Geotechnical report is provided within the construction documents. Contractor shall be responsible for following geotechnical recommendations based off of the soil borings that were taken. This includes any required undercut/excavation underneath proposed buildings, pavement, and sidewalks.
- 1-19 CONTRACTOR shall be required to saw cut any places where asphalt and concrete removal is required.
- 1-20 CONTRACTOR required to CCTV all new sewer and storm drain lines (except perforated drainage lines within the baseball field footprint) upon completion of all underground work, including utility relocation (water, storm, sewer, fiber, gas, electrical, etc.) to verify that pipes are installed correctly, at the proper grade, and haven't been compromised by other construction practices.
- 1-21 CONTRACTOR required to have toe-walls on upstream and downstream ends of Flex-a-mat installation.

Sheet List Table	
Sheet Number	Sheet Title
C-10	General Notes & Index
C-20	Traffic Control Plan & Phasing
C-100	Survey
C-101	Survey
C-102	Survey
C-200	Demo Plan
C-300	Overall Site Plan
C-301	Site Plan
C-302	Site Plan
C-303	Site Plan
C-400	Overall Geometric Plan
C-401	Geometric Plan
C-402	Geometric Plan
C-403	Geometric Plan
C-500	Overall Grading Plan
C-501	Grading Plan
C-502	Grading Plan
C-503	Grading Plan
C-600	Overall Drainage Plan
C-601	Drainage Plan
C-602	Drainage Plan
C-603	Drainage Plan
C-604	Detention Pond
C-700	Overall Utility Plan
C-701	Sewer Plan and Profile
C-702	Water Layout
C-800	Construction Details
C-801	Construction Details
C-802	Construction Details
C-803	Construction Details
C-804	Water Details
C-805	Sewer Details
C-806	Driveways Curb & Gutter, & Sidewalk
C-807	Driveways, Integral Curb & Sidewalk
C-808	Curb Ramps Detectable Warning Details
C-809	Flexible Pipe Culvert Installation
C-810	Junction Box For Pipe Culverts
C-811	Junction Box for Box Culvert To Concrete Arch Pipe
C-812	Junction Box TType 2 for Traffic Load
C-813	Branch Connections
C-814	Median Inlets for Box Culvert
C-815	Gutter Inlet for Type 2 Curb
C-816	Gutter Inlet for Type 2 Curb
C-817	Storm Sewer Inlet
C-818	Drop Inlets and Grate Details for Pipes and Box Culverts
C-819	Flared End Section
C-900	Erosion Control Plan
C-901	Erosion Control Details

Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19 2023

Signage Recapitulation:

- G20-2a 3.0 ea with Barricades, Type III, Single Faced mount on double "U" Posts
- W20-1 3.0 ea

-All signage and any items shown on this page will be paid for under Maintenance of Traffic pay item.



TRAFFIC CONTROL/ PHASING NOTES:

1. Before CONTRACTOR can shut down/demo 24th Avenue between Ross Collins Building and the existing cul-de-sac at Wildcat Drive, the contractor must complete the new proposed cul-de-sac near the existing tennis courts or provide another method to continue using 24th Avenue (such as gravel tie-in between new cul-de-sac and existing 24th Avenue) so that vehicles, buses, and emergency vehicles have ability to turn around. CONTRACTOR to submit plan for allowing vehicle turnaround and emergency access before cul-de-sac completion to ENGINEER/ARCHITECT for review before moving forward.
2. Once 24th Avenue is shut down to through traffic upon completion of proposed cul-de-sac/turnaround, it is the CONTRACTOR's responsibility to keep adequate traffic control measures in place to keep traffic from attempting to access the closed section of 24th Avenue.
3. CONTRACTOR to keep existing detention pond structure in place as long as possible during construction or create temporary detention area for stormwater runoff before new detention pond is constructed. CONTRACTOR to submit plan for stormwater detention area to ENGINEER/ARCHITECT for review before moving forward.

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

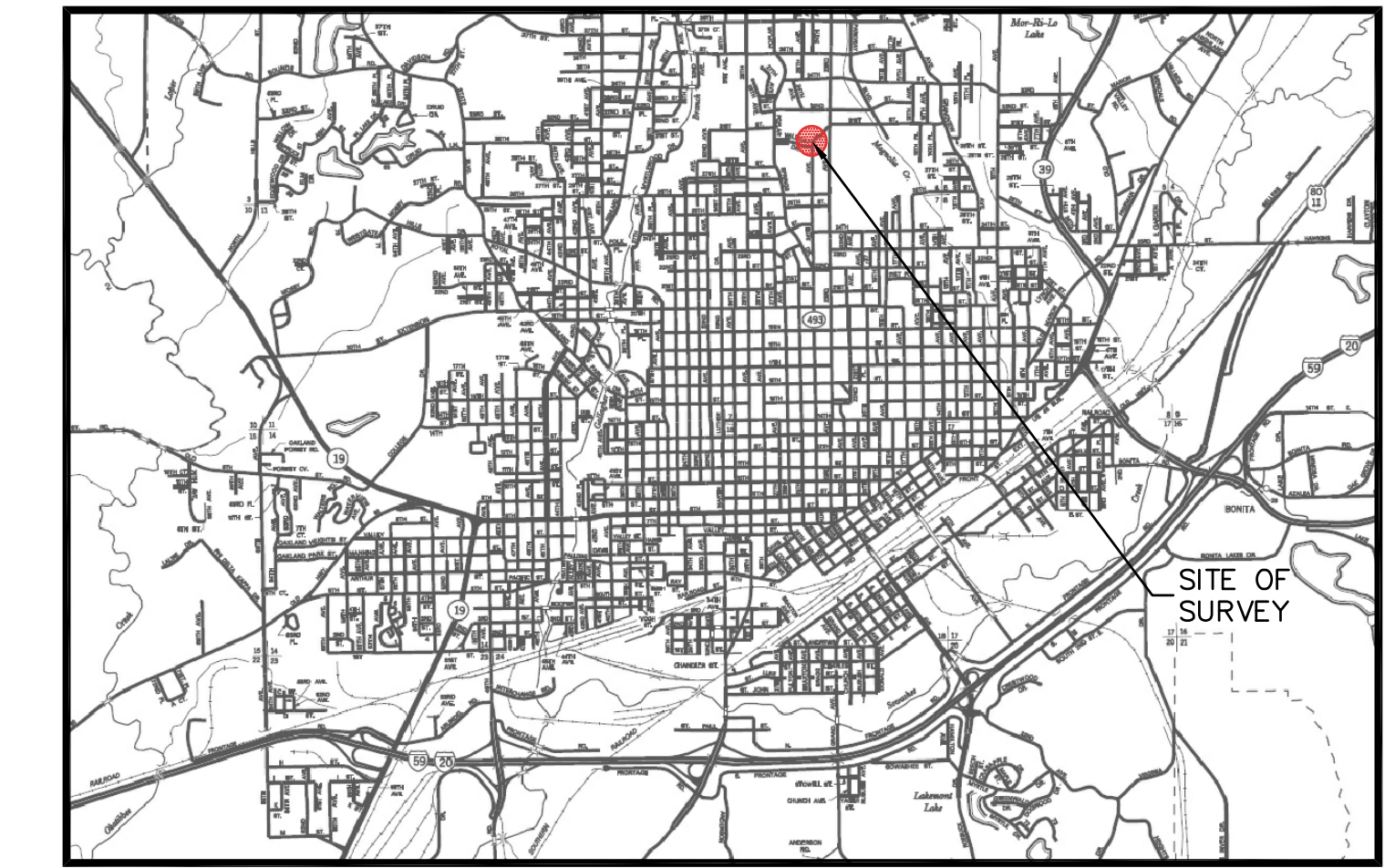
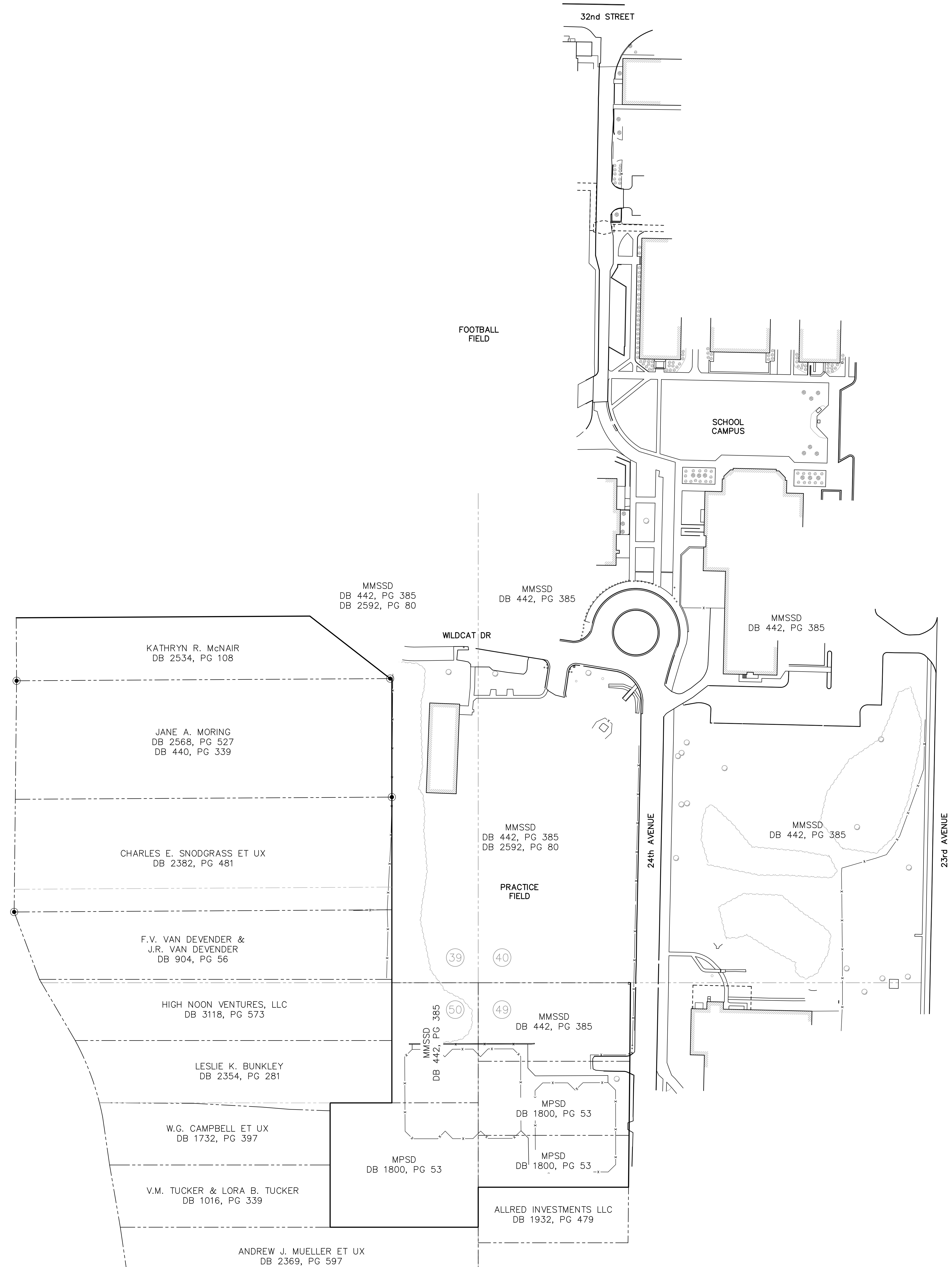


Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

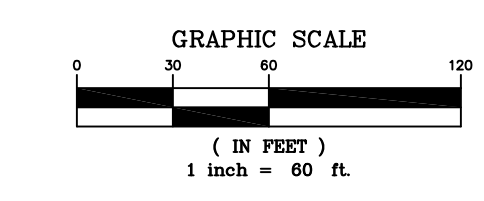
100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

V:\Dale Partners\2022-468-00 Meridian High School Survey\Production Drawings\entopo_Meridian_HS.dwg 1/19/2023 2:34 PM



MERIDIAN, LAUDERDALE COUNTY, MISSISSIPPI
VICINITY MAP



OVERVIEW

LEGEND
(SOME LEGEND ITEMS SHADED ON EXHIBIT FOR CLARITY)

- FENCE LINE
- OVERHEAD ELECTRIC
- STORM DRAIN
- NATURAL GAS
- SANITARY SEWER
- WATER
- △ SURVEY CONTROL
- ⊙ SANITARY SEWER MANHOLE
- ⊙ CLEAN OUT
- ⊙ GAS METER/REGULATOR
- ⊙ WATER METER/VALVE
- ⊙ UTILITY VALVE
- ⊙ BUSH / SHRUB
- ⊙ SMALL ORNAMENTAL TREE
- ⊙ LARGER TREE
- ⊙ PLATTED LOT NUMBERS FROM MOBILE AND OHIO RAILROAD COMPANY SURVEY OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 16 EAST.

NOTE: Platted Lot Numbers from Mobile and Ohio Railroad Company Survey of Section 6, Township 6 North, Range 16 East.

Class "B" survey in accordance with the Minimum Standards for Land Surveying in the State of Mississippi.

Horizontal and Vertical orientation derived from GPS observations and NAD83(2011) GRID data, Mississippi State Plane East Zone, and NAVD88 datum, having a combined factor of 0.99995188 and a convergence angle of (+)0°04'11.8731", as sampled at W/GK control point #2, as shown hereon.

The contours shown hereon were created from elevations collected during a commissioned survey. 95% of the contours shown hereon are certified to have an accuracy of one-half of the contour interval. The remaining contours are certified to be accurate to one contour interval.

Subject property is located within an area having Zone Designation 'X' by the Federal Emergency Management Agency and is graphically shown on Flood Insurance Rate Map No. 28075C0189F, with a date of identification of February 3, 2019, in the City of Meridian, Lauderdale County, State of Mississippi, which is the current Flood Insurance Rate map for the community in which said premises is situated.

- Zone 'X' - Areas determined to be outside of the 0.2% annual chance flood plain.

Location of underground utilities shown on plat is approximate only, and is based on surface evidence of same, or information provided by MS 811 Locate Services and the school. Other underground utilities/structures may exist that were not evident to surveyor.

Subsurface and environmental conditions were not examined or considered as a part of this survey.

This property may be subject to recorded or unrecorded easements, rights-of-way or other encumbrances which are not evident to the surveyor, but which would be revealed by a title search performed by an attorney.

This survey was performed and this plat was prepared by W/GK, Inc., Engineers & Surveyors, P.O. Box 318, Clinton, Mississippi 39060, Phone: (601) 925-4444.

This survey is considered valid only when original seal and signature of surveyor of record is affixed hereto.

I, Charles K. Hines, do hereby certify, to the best of my knowledge, belief, and information, that the features depicted on this plat are a representation of the conditions as they existed on February 9, 2023.

WGK
ENGINEERS & SURVEYORS

204 West Leake Street
Clinton, Mississippi 39056
P: 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
P: 601.833.9598

DALE BAILEY
AN ASSOCIATION

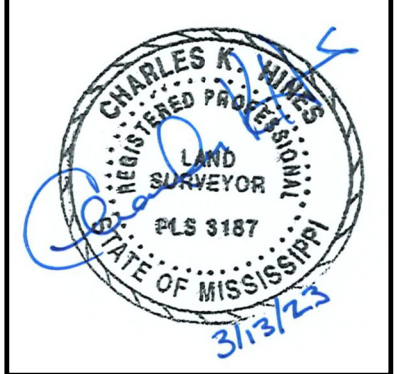
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameux St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



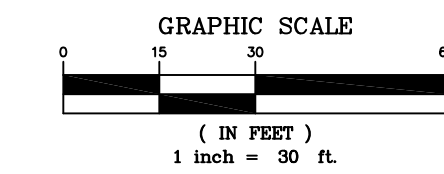
Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

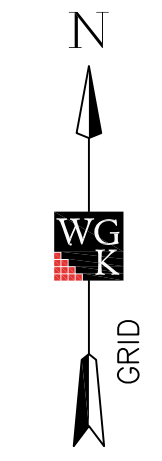
Project No 22034-03
Date 6 March 2023
Revisions Rev Date

C-100
Existing Conditions

V:\Dale Partners\2022-468-00 Meridian High School Survey\Production Drawings\entopo_Meridian_HS.dwg/19/2023 2:33 PM



DETAIL 1 OF 3



LEGEND
(SOME LEGEND ITEMS SHADED ON EXHIBIT FOR CLARITY)

- FENCE LINE
- o- OVERHEAD ELECTRIC
- s- STORM DRAIN
- n- NATURAL GAS
- ss- SANITARY SEWER
- w- WATER
- △ SURVEY CONTROL
- ⊙ SANITARY SEWER MANHOLE
- ⊙ CLEAN OUT
- ⊙ GAS METER/REGULATOR
- ⊙ WATER METER/VALVE
- ⊙ UTILITY VALVE
- ⊙ BUSH / SHRUB
- ⊙ SMALL ORNAMENTAL TREE
- ⊙ LARGER TREE
- ⊙ PLATTED LOT NUMBERS FROM MOBILE AND OHIO RAILROAD COMPANY SURVEY OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 16 EAST.

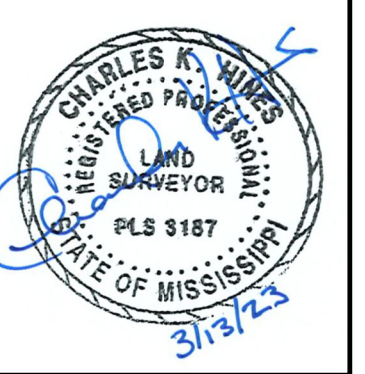
NOTE: Some inlets are shelved with a 4" to 6" opening to the bottom. Pipe directions and sizes are shown where discernable.

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



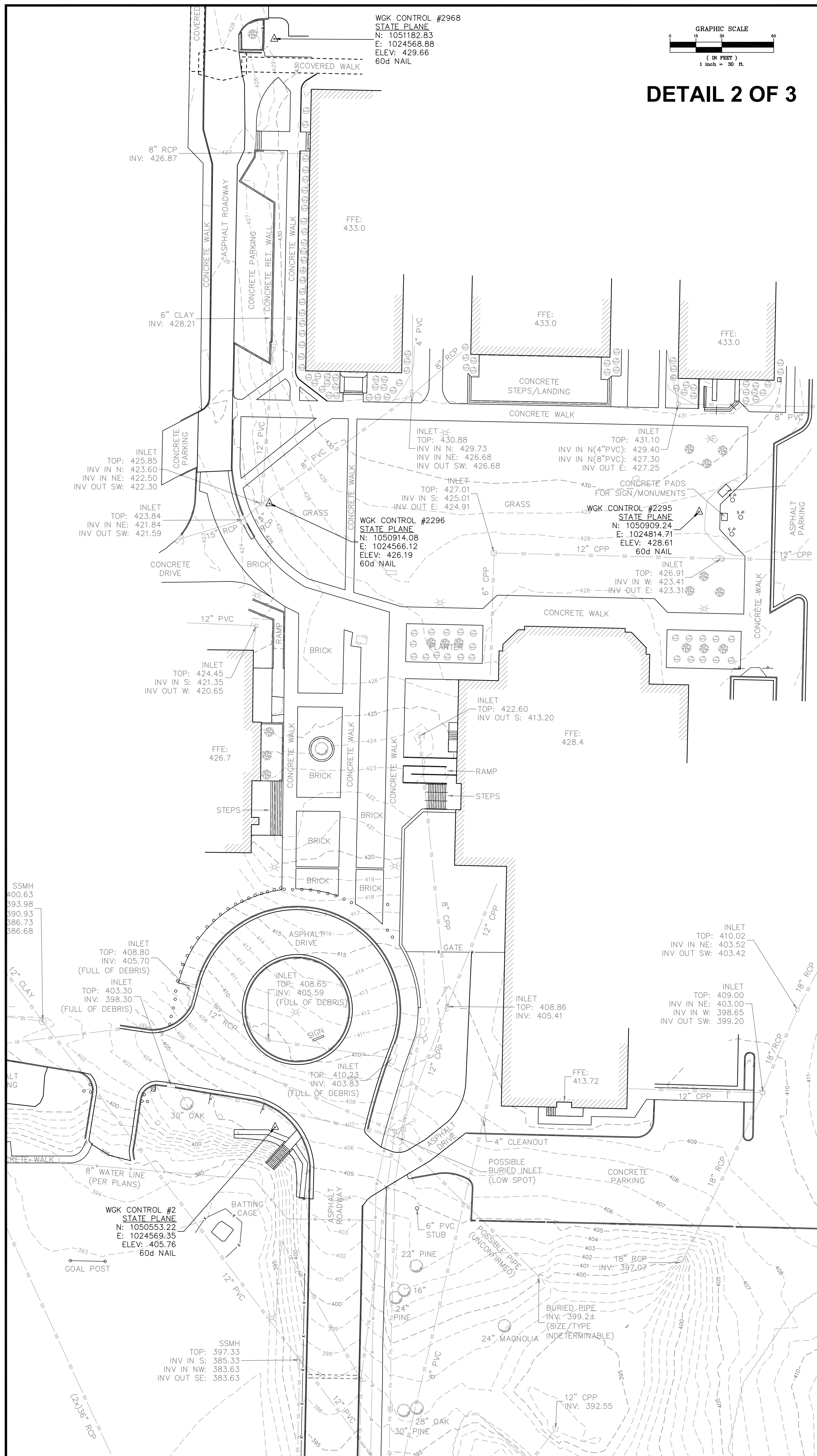
Meridian High School Baseball/Softball
2820 32nd St., Meridian, MS 39305

100%
Construction
Documents

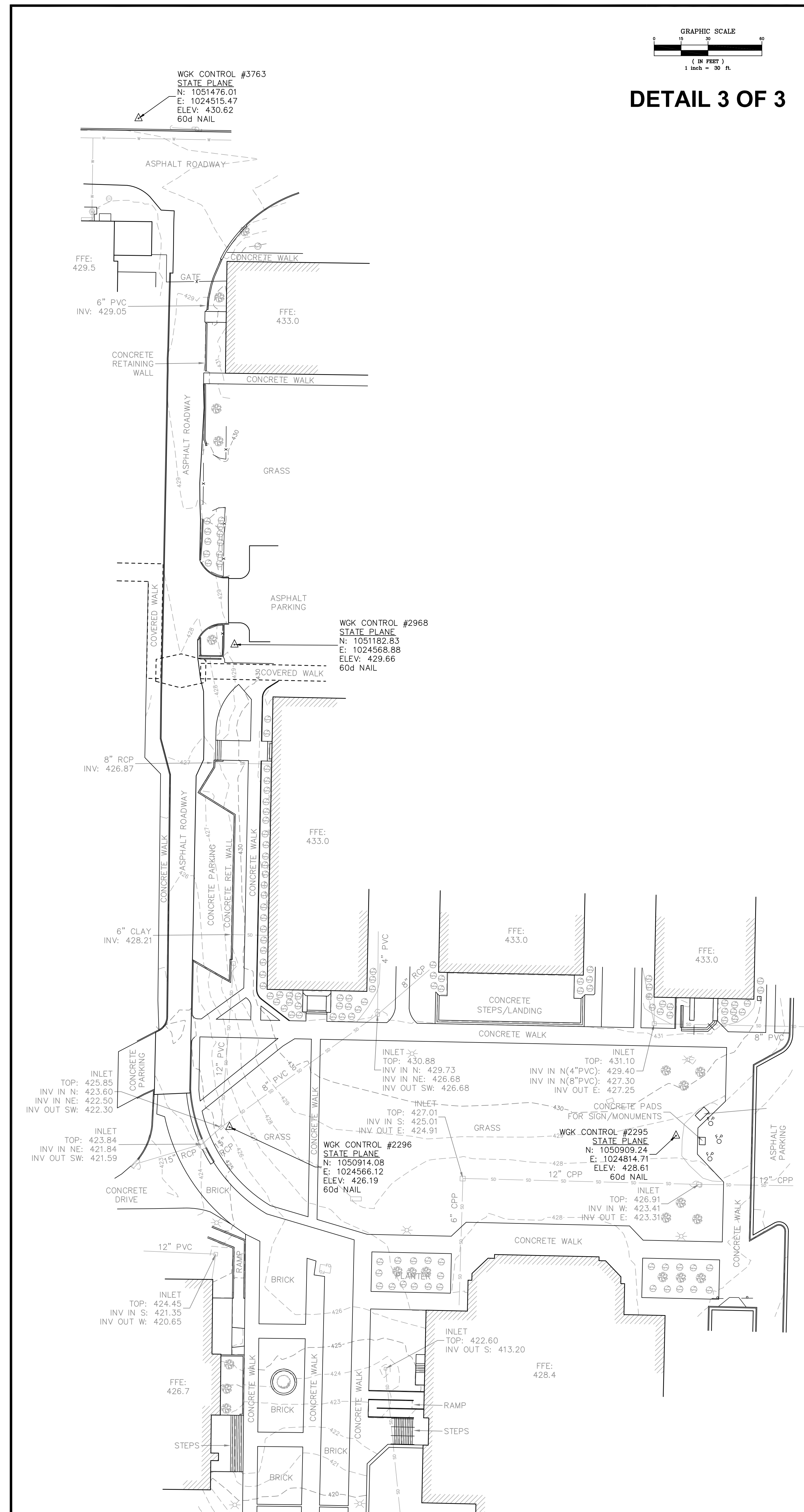
Project No 22034-03
Date 6 March 2023
Revisions Rev Date

Existing Conditions

V:\Dale Partners\2022-468-00 Meridian High School Survey\Production Drawings\entopo_Meridian_HS.dwg/19/2023 2:31 PM



DETAIL 2 OF 3



DETAIL 3 OF 3

LEGEND
(SOME LEGEND ITEMS SHADED ON EXHIBIT FOR CLARITY)

- FENCE LINE
- - - OVERHEAD ELECTRIC
- - - STORM DRAIN
- - - NATURAL GAS
- - - SANITARY SEWER
- - - WATER
- ▲ SURVEY CONTROL
- SANITARY SEWER MANHOLE
- CLEAN OUT
- GAS METER/REGULATOR
- WATER METER/VALVE
- UTILITY VALVE
- BUSH / SHRUB
- SMALL/ORNAMENTAL TREE
- LARGER TREE
- Ⓜ PLATTED LOT NUMBERS FROM MOBILE AND OHIO RAILROAD COMPANY SURVEY OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 16 EAST.

NOTE: Some Inlets are shelved with a 4" to 6" opening to the bottom. Pipe directions and sizes are shown where discernable.

WGK
ENGINEERS & SURVEYORS

204 West Leake Street
Clinton, Mississippi 39056
P: 601.925.4444

132 West Cherokee Street
Bosshaven, Mississippi 39601
P: 601.833.9598

DALE BAILEY
AN ASSOCIATION

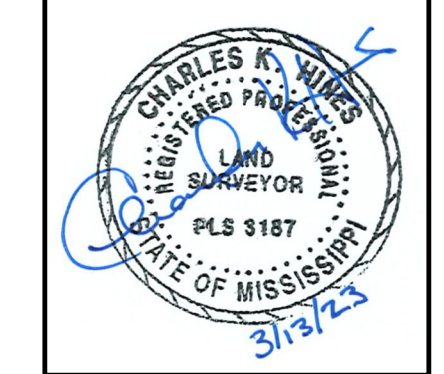
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No. 22034-03
Date 6 March 2023
Revisions Rev Date

C-102
Existing Conditions



Meridian High School Baseball/Softball

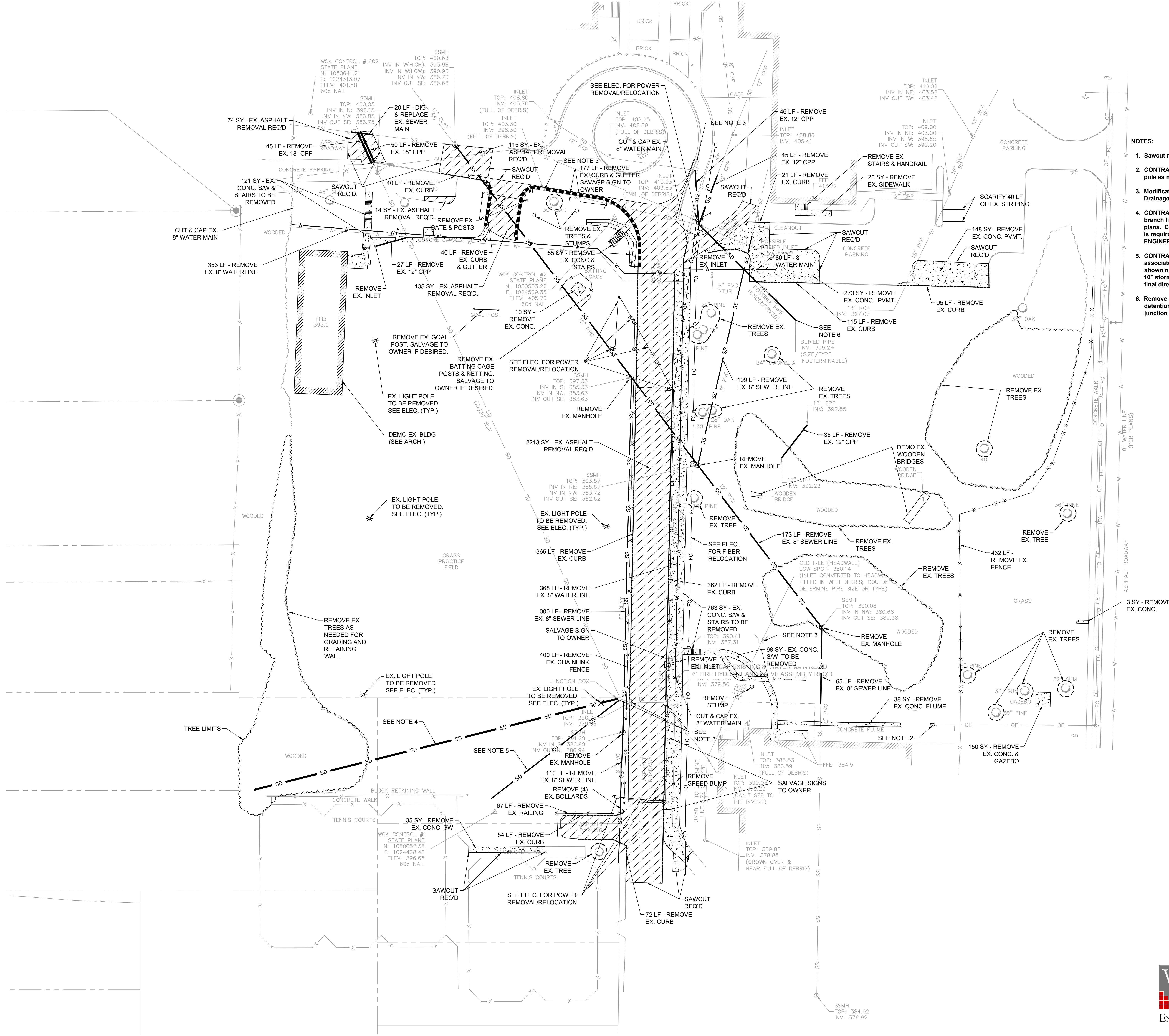
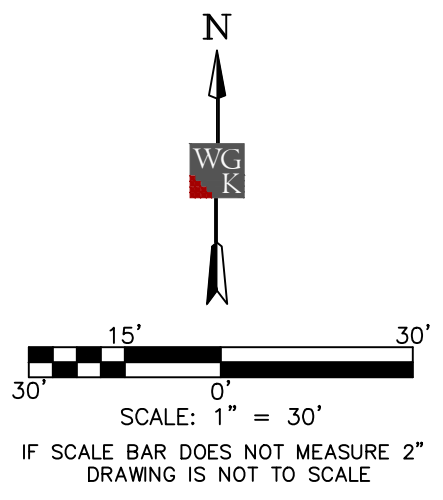
2320 32nd St., Meridian, MS 39305

100%
Construction
Drawings

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

C-200

Demo Plan



NOTES:

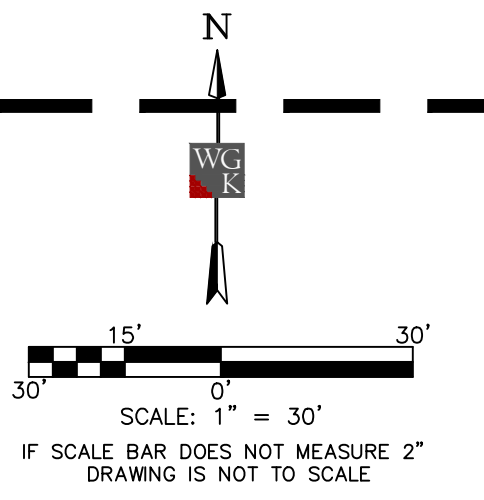
1. Sawcut required at all asphalt and concrete removal.
2. CONTRACTOR to coordinate with utility to support/relocate existing pole as needed to accommodate proposed grading.
3. Modifications to be made to these drainage structures. See Civil Drainage Plan.
4. CONTRACTOR to uncover and locate existing 18" RCP, associated branch lines, and upstream end. Approximate location shown on plans. Contractor should anticipate removing 320 LF of 18" RCP but is required to locate/uncover pipe to receive final direction from ENGINEER.
5. CONTRACTOR to uncover and locate existing 10" VCP/HDPE pipe, associated branch lines, and upstream end. Approximate location shown on plans. CONTRACTOR to anticipate removing 135 LF of 10" storm drain but is required to uncover & locate pipe to receive final direction from ENGINEER.
6. Remove approximately 70 LF of 18" HDPE pipe from existing detention pond until concrete junction box, remove existing junction box, and an additional 44 LF of 18" RCP.

V:\Dale Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\C-200 Demo Plan.dwg 1/19/2023 2:53 PM

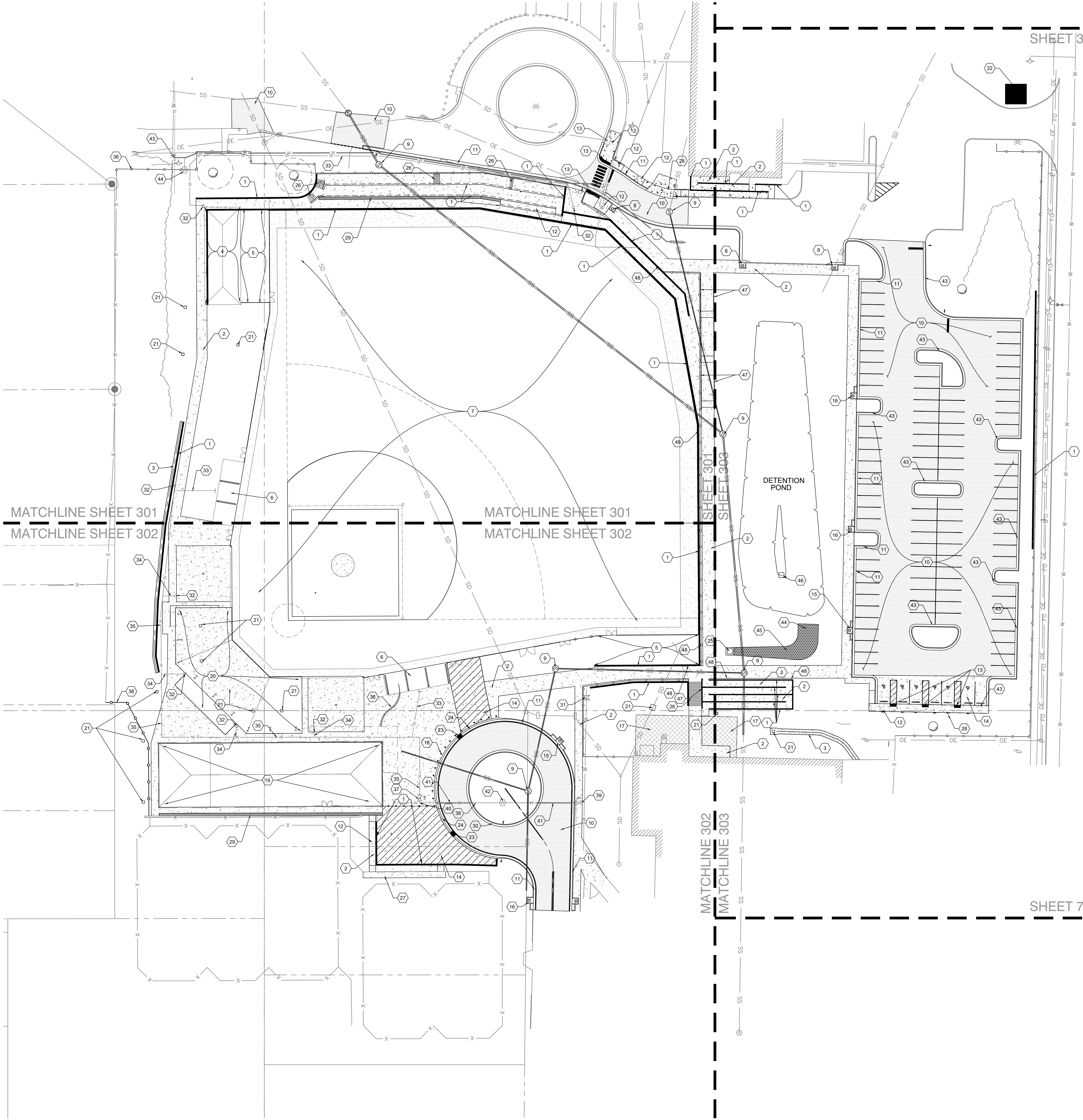
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

ENGINEERS & SURVEYORS



SHEET 303



Site Items	
1	RETAINING WALL (SEE STRUCTURAL PLANS)
2	CONCRETE SIDEWALK (typ.)
3	CONCRETE PAVED DITCH (typ.)
4	BATTING CAGE (SEE ARCHITECTURAL PLAN FOR DETAILS)
5	BULLPEN (SEE ARCHITECTURAL PLAN FOR DETAILS)
6	DUG-OUT (SEE ARCHITECTURAL PLAN FOR DETAILS)
7	FIELD AREA (SEE ARCHITECTURAL PLAN FOR DETAILS)
8	SS-2 INLET
9	SEWER MANHOLE (typ.)
10	HEAVY DUTY ASPHALT (typ.)
11	6" CURB AND GUTTER
12	HANDICAP RAMP
13	DETECTABLE WARNING PANEL
14	LIGHT DUTY CONCRETE
15	SS-2 W/ 2 ext. (typ.)
16	SS-2 W/ 1 ext. (typ.)
17	GRANULAR MATERIAL
18	BOLLARD
19	LOCKER ROOM, RESTROOMS AND CONCESSIONS BUILDING (SEE ARCHITECTURAL PLANS FOR DETAILS)
20	BLEACHERS AND PRESS BOX SEE ARCHITECTURAL PLANS FOR DETAILS
21	INLET (typ.) (SEE DRAINAGE PLANS FOR DETAILS)
22	GUARD HOUSE (SEE ARCHITECTURAL PLANS FOR DETAILS)
23	GUTTER INLET (typ.)
24	VALLEY GUTTER (typ.)
25	Y-INLET (typ.) (SEE DRAINAGE PLANS FOR DETAILS)
26	CONCRETE STEPS (typ.)
27	CONCRETE SIDEWALK W/ TURNDOWN
28	HEAVY DUTY CONCRETE
29	1" WIDE U-CHANNEL W/ GRATE
30	TYPE 2 CURB (typ.)
31	FIRE HYDRANT (typ.)
32	1" HOSE BIB (SEE MECHANICAL PLANS FOR DETAILS)
33	3/4" POLYETHYLENE TUBE
34	1" POLYETHYLENE TUBE
35	2-1/2" SDR 26 PVC
36	FENCE (SEE ARCHITECTURE PLANS FOR DETAILS)
37	2-1/2" GATE VALVE
38	3" SDR PVC
39	3" WATER VALVE
40	3" X 2-1/2" X 3" TEE
41	8" HDPE CASING
42	3" WATER METER (typ.)
43	6" CURB & PITCH AWAY GUTTER
44	EMERGENCY SPILLWAY
45	FLEX-A-MAT (typ.)
46	OUTLET CONTROL STRUCTURE
47	HAND RAIL (SEE ARCHITECTURAL FOR DETAILS)
48	GUARD RAIL (SEE ARCHITECTURAL FOR DETAILS)

- NOTES:
- SEE ARCHITECTURAL PLANS FOR ALL HANDRAIL AND GUARDRAIL DETAIL. ALL DROPS OF 30" REQUIRE GUARDRAIL (SEE ARCH)
 - SEE STRUCTURAL FOR ALL RETAINING WALL SIZES, REINFORCEMENTS AND BACKFILL REQUIREMENTS.

SHEET 703

Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

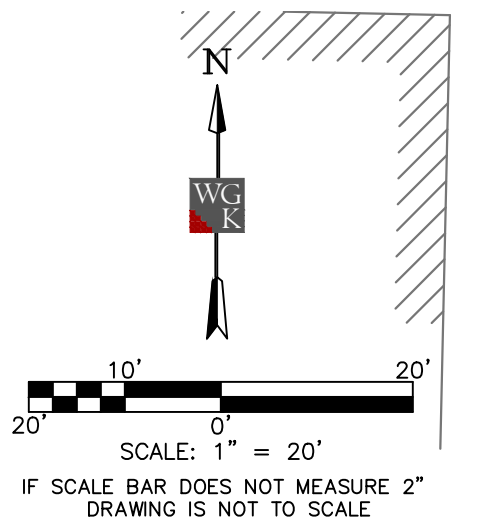
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

ENGINEERS & SURVEYORS

C-300
Overall Site Plan

NOTES:

- IF DROP FROM TOP OF TRAINING WALL TO LOWEST GRADE IS 30" OR HIGHER, A GREAT RAIL IS REQUIRED.



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileypans.com

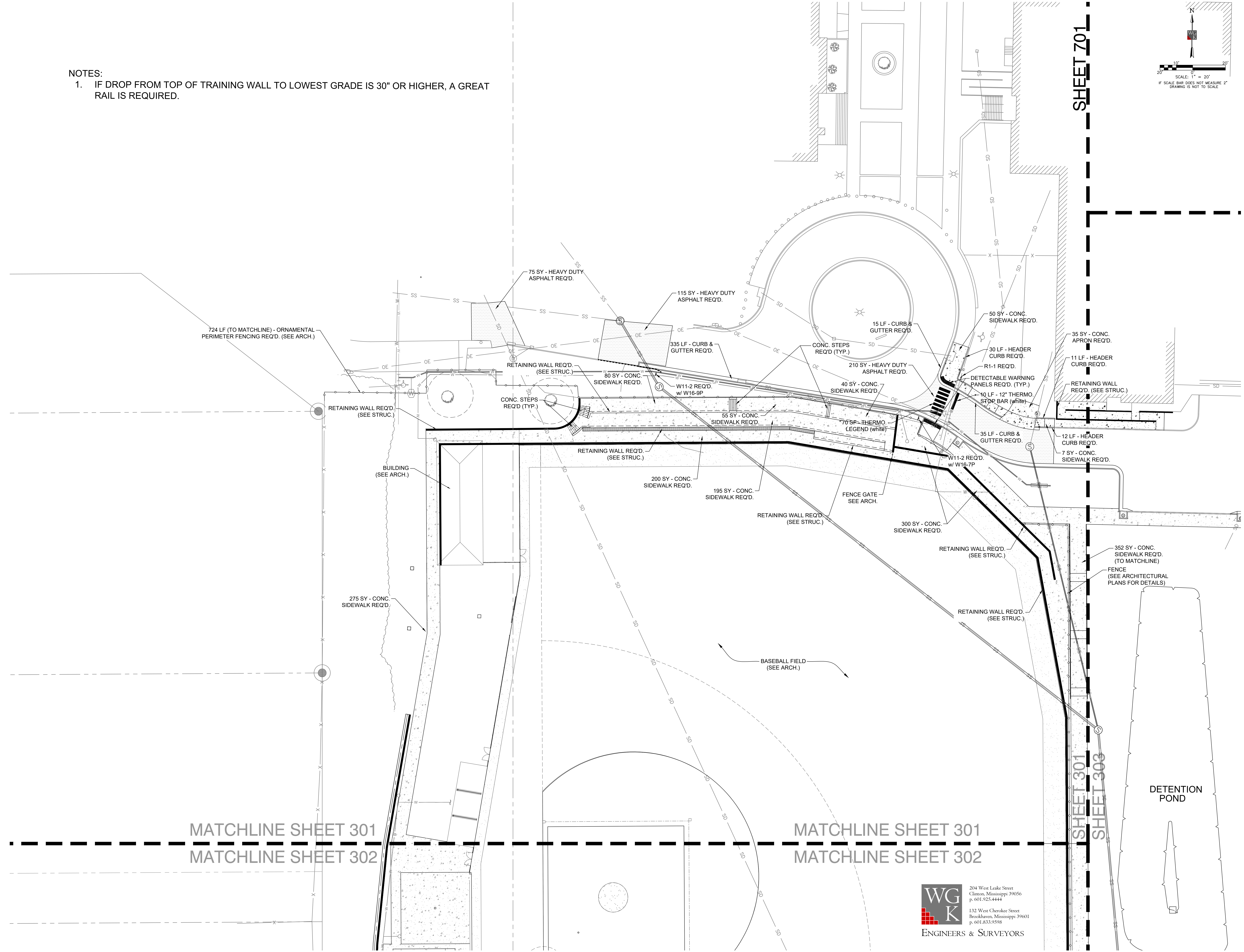


Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

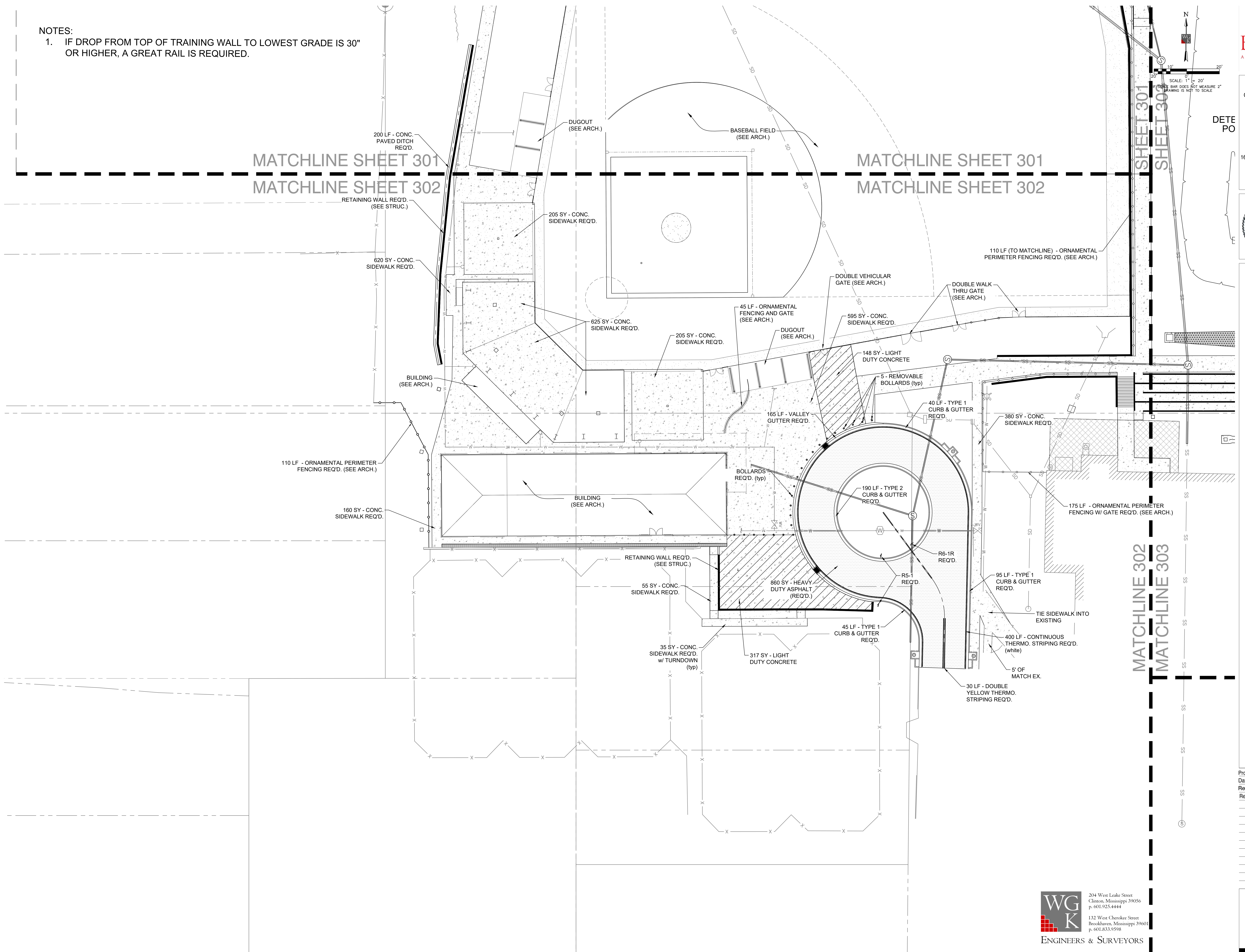
C-301
Site Plan

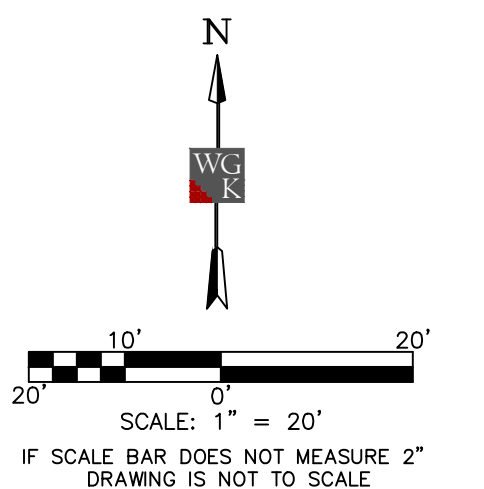
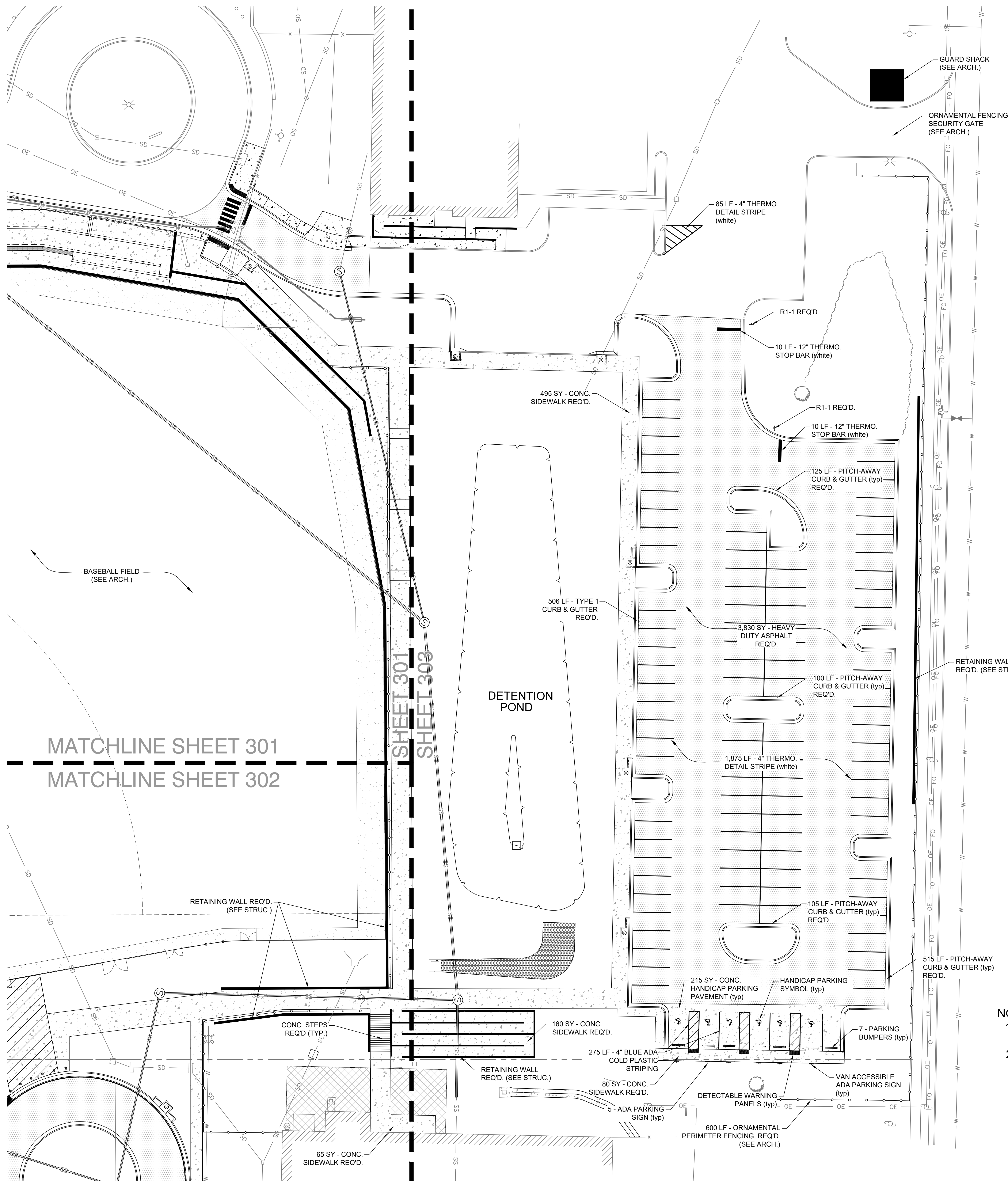


V:\Dale Partners\2022-24\03-04-23\Meridian High School Baseball_Softball_1\Production Drawings\Working\CS300 - Overall Site Plan.dwg 19/02/2023 2:54 PM



NOTES:
1. IF DROP FROM TOP OF TRAINING WALL TO LOWEST GRADE IS 30" OR HIGHER, A GREAT RAIL IS REQUIRED.





Architects
 One Jackson Place 250
 188 East Capitol Street
 Jackson, MS 39201
 p 601.352.5411
 201 Park Court Suite B
 Ridgeland, MS 39157
 p 601.790.9432
 161 Lameuse St. Suite 201
 Biloxi, MS 39530
 p 228.374.1409
 dalebaileyplans.com

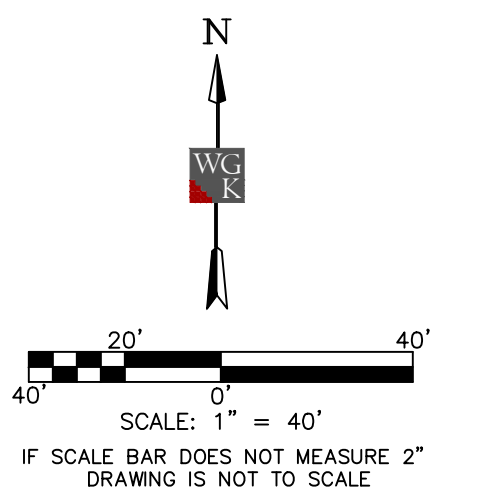


Meridian High School Baseball/Softball
 2320 32nd St., Meridian, MS 39305

100%
 Construction
 Documents
 Project No 22034-03
 Date March 6, 2023
 Revisions Rev Date
 Rev. 4 April 19, 2023

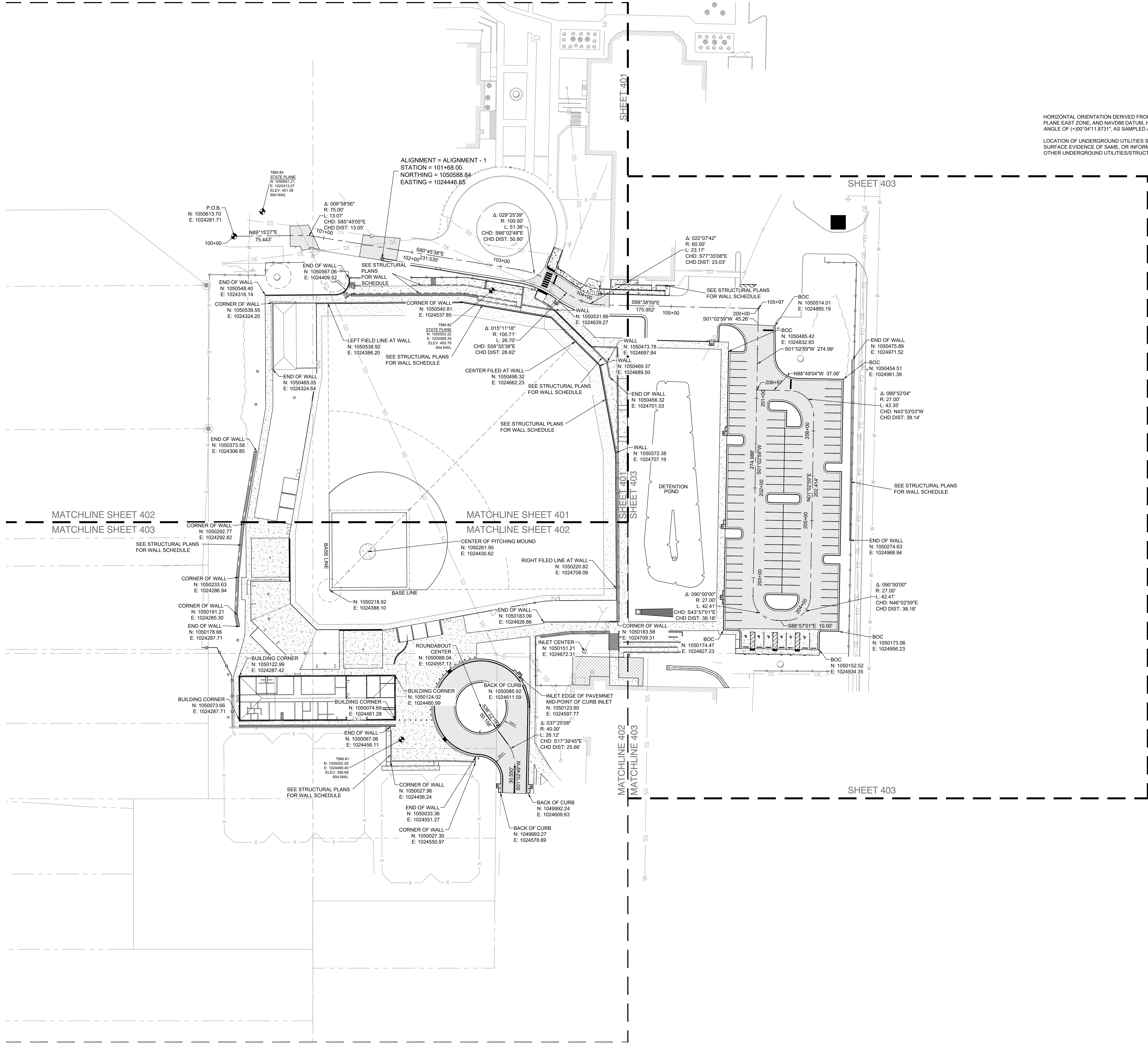
- NOTES:**
1. SEE ARCHITECTURAL PLANS FOR ALL HANDRAIL AND GUARDRAIL DETAIL. ALL DROPS OF 30" REQUIRE GUARDRAIL (SEE ARCH)
 2. SEE STRUCTURAL FOR ALL RETAINING WALL SIZES, REINFORCEMENTS AND BACKFILL REQUIREMENTS.

V:\Dale Partners\2022-24\03-Meridian High School Baseball_Softball_1\Production Drawings\Working\C303 - Overall Site Plan.dwg 4/19/2023 2:54 PM



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"/>

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023



204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598
ENGINEERS & SURVEYORS

C-400

Overall Geometric Plan



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

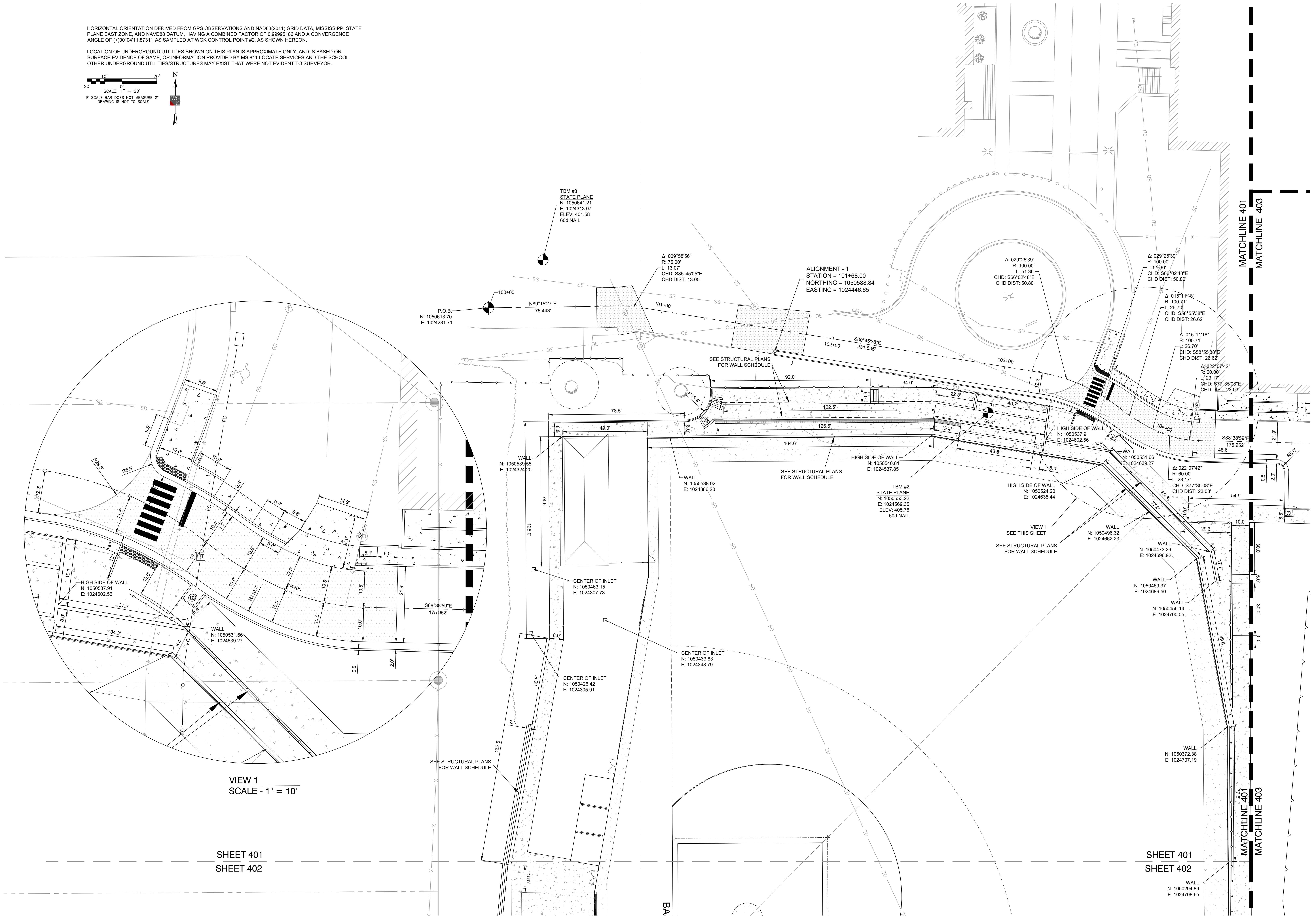
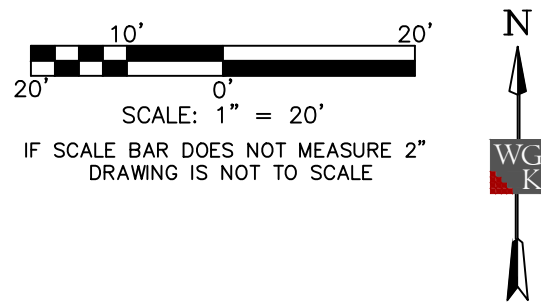
Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

C-401

Geometric Plan

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.39995186 AND A CONVERGENCE ANGLE OF (+0°00'41.8731" AS SAMPLED AT WGK CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



VIEW 1
SCALE - 1" = 10'

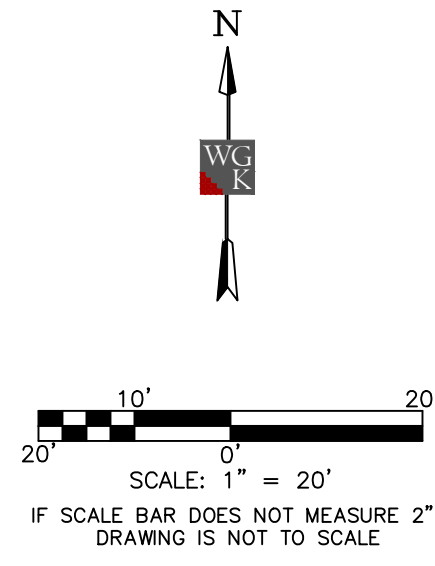
SHEET 401
SHEET 402

SHEET 401
SHEET 402

WALL
N: 1050372.38
E: 1024707.19

MATCHLINE SHEET 401
MATCHLINE SHEET 402

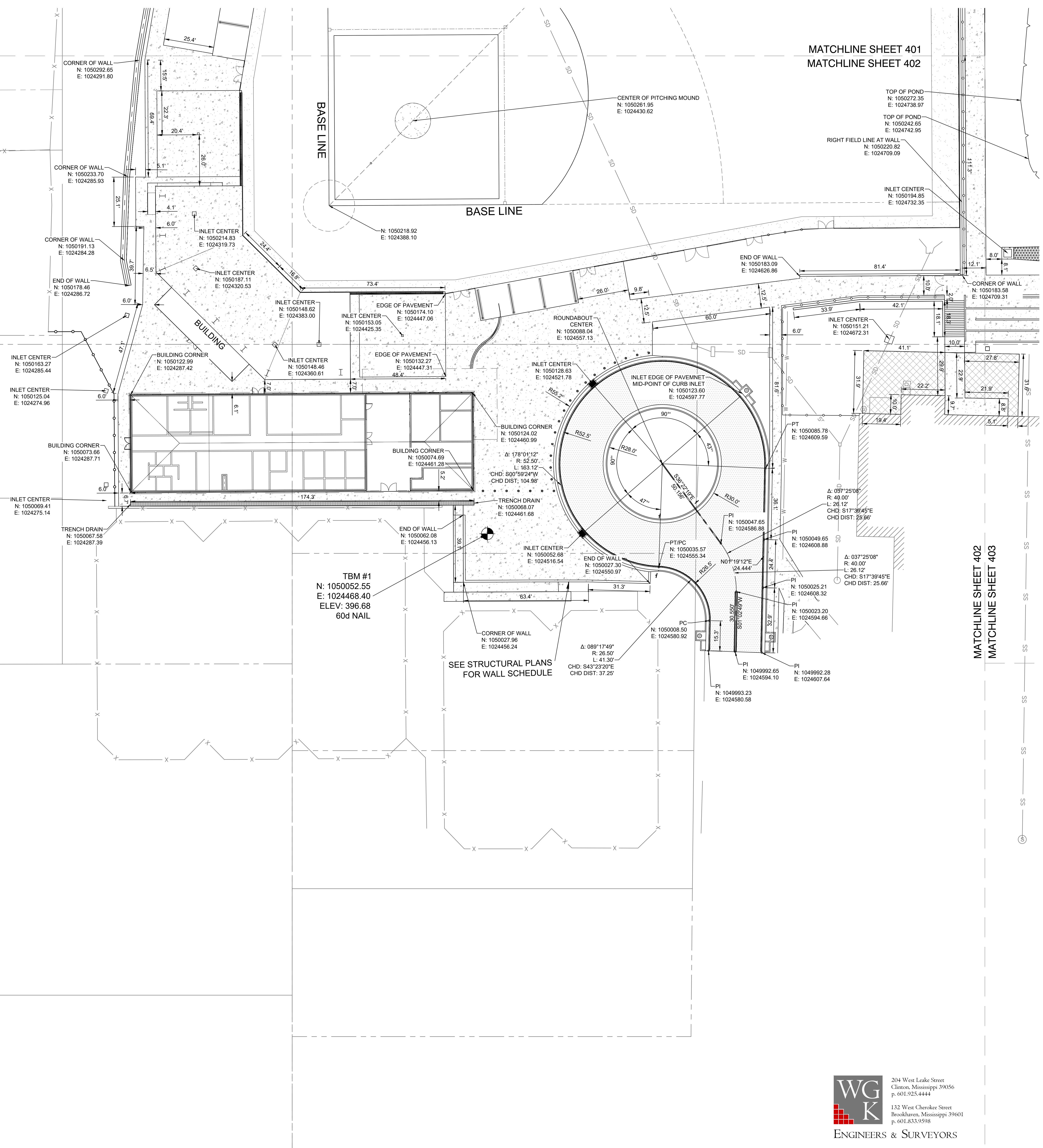
MATCHLINE SHEET 401
MATCHLINE SHEET 402



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)00°04'11.8731", AS SAMPLED AT WGK CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

NOTE:
CALLOUTS FOR WALL ARE PLACED ON HIGH SIDE OF WALL.
SEE STRUCTURAL PLANS FOR WALL TABLE.



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

V:\Data Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\C-402 Geometric Plan.dwg/19/2023 2:54 PM

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

2920 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

C-403

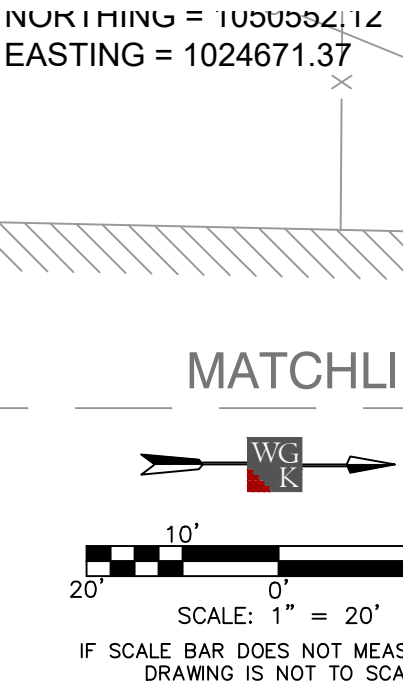
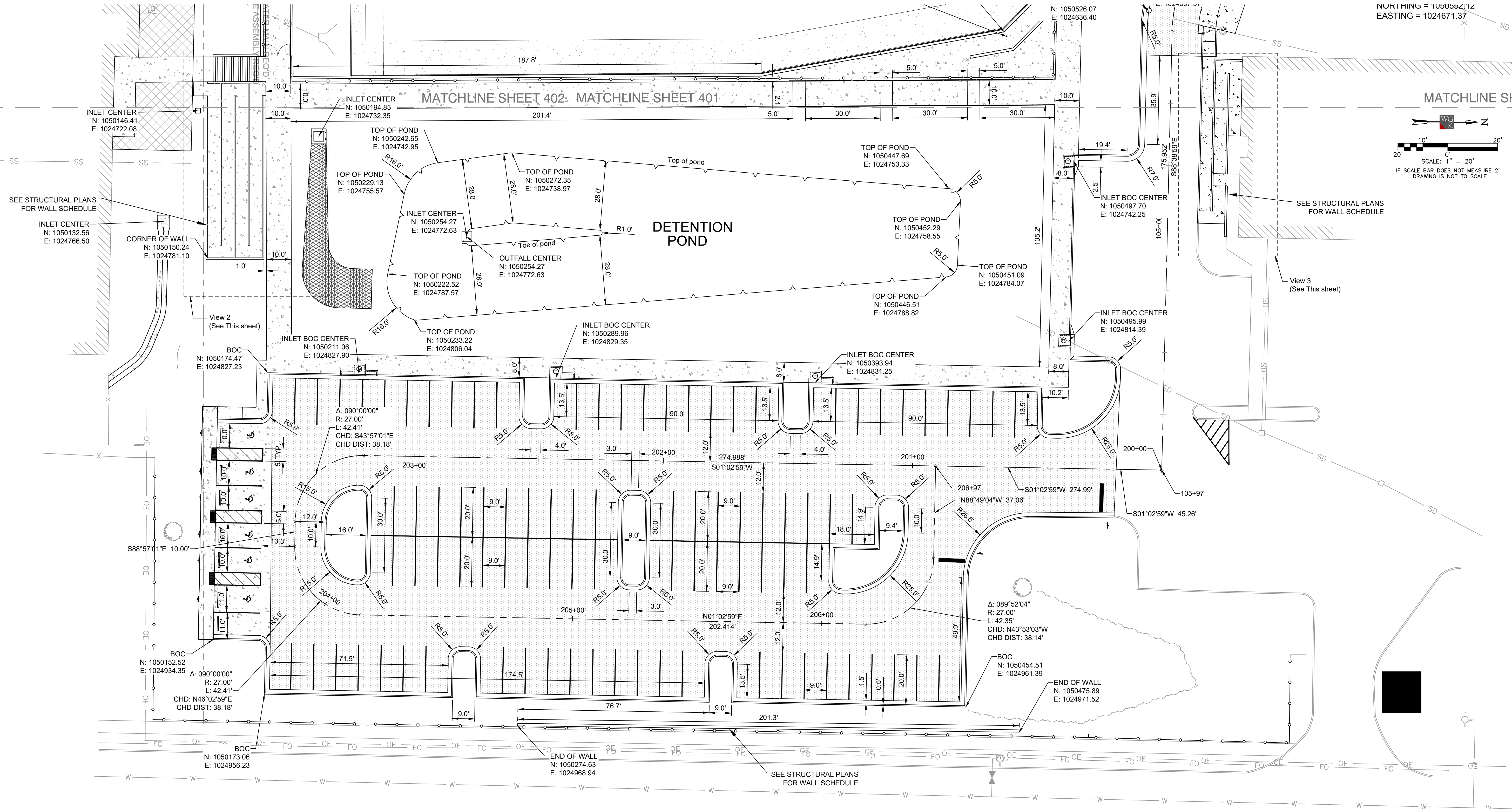
Geometric Plan

WGK
ENGINEERS & SURVEYORS
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

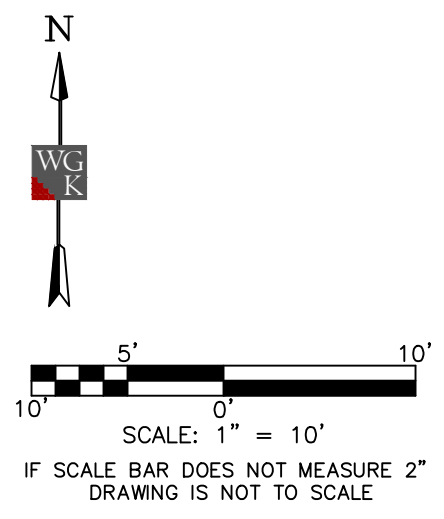
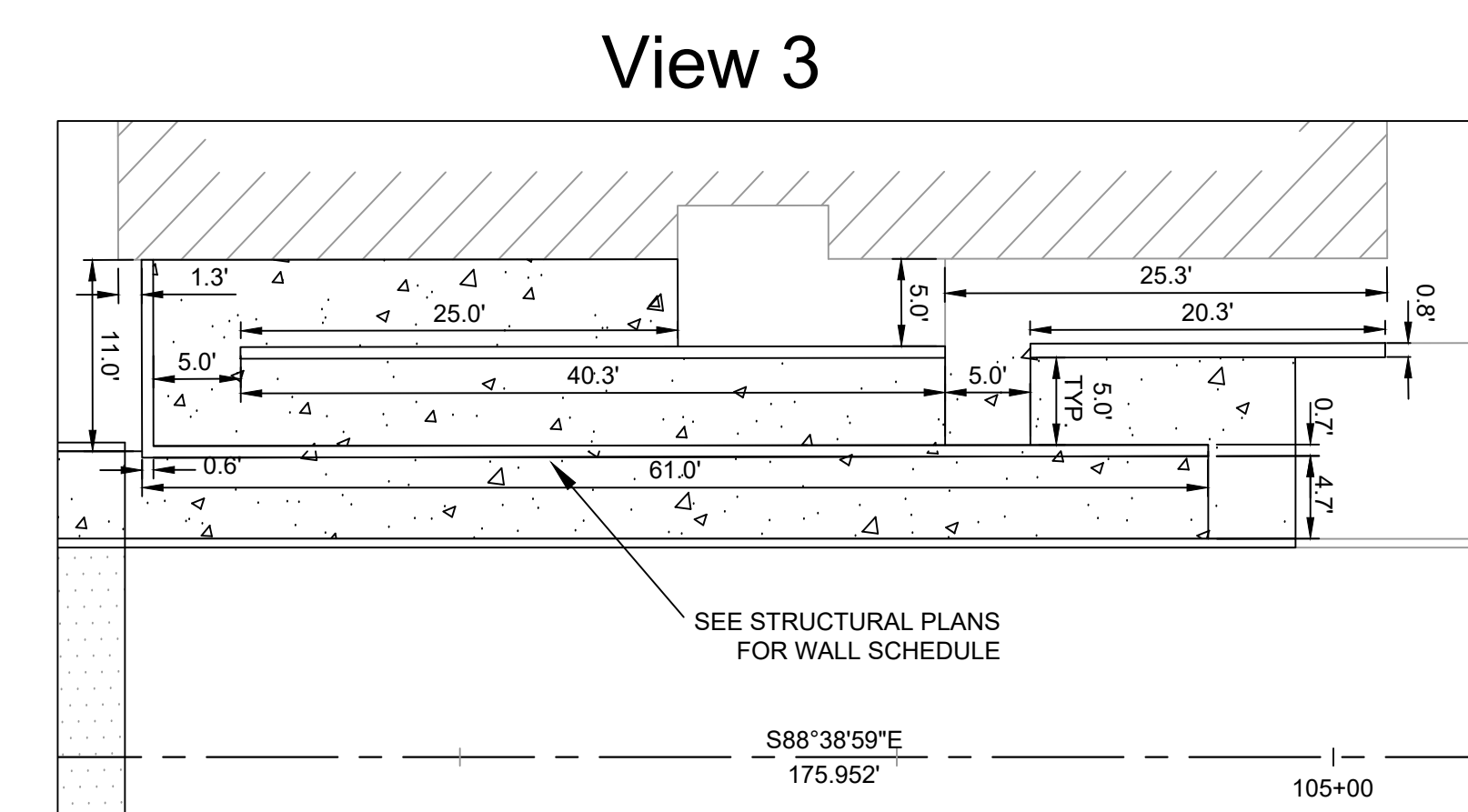
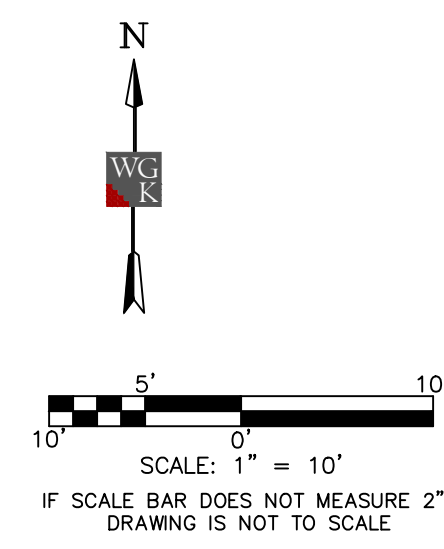
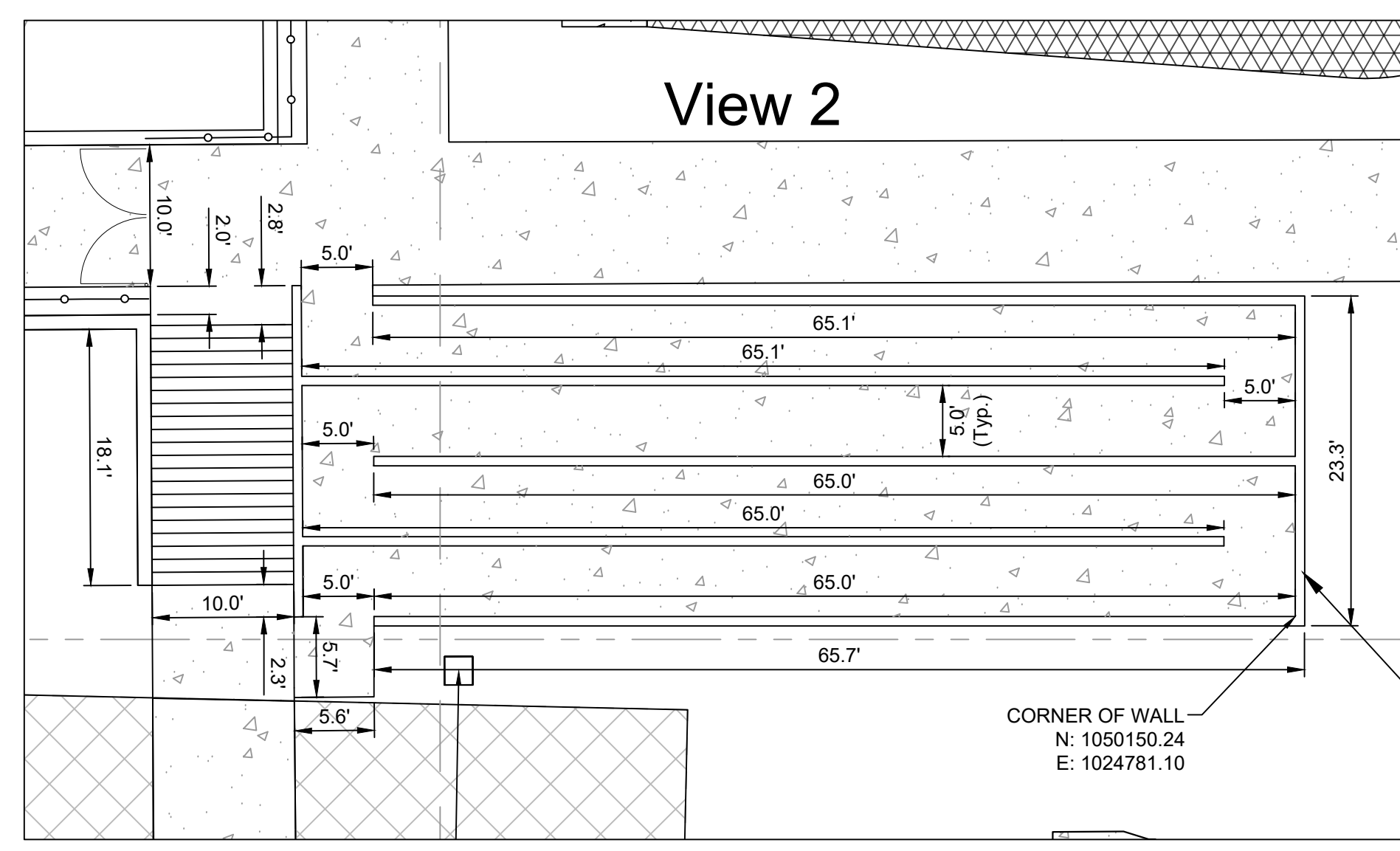
MATCHLINE SHEET 402

MATCHLINE SHEET 402 MATCHLINE SHEET 401

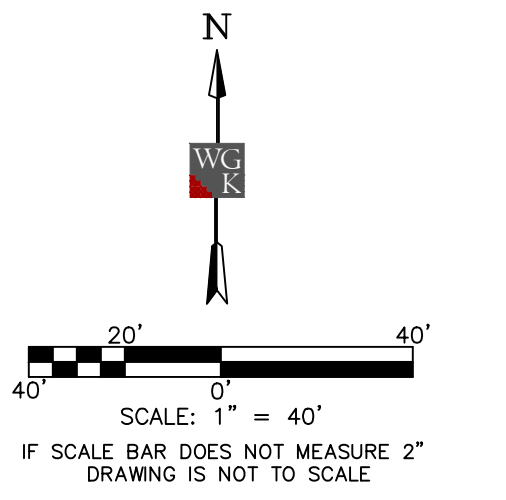
MATCHLINE SHEET 401



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"/>



V:\Dale Partners\2023-249-02 Meridian High School Baseball_Softball_1\Production Drawings\Working\C-403 - Geometric Plan.dwg/1/2023 2:55 PM



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"), AS SAMPLED AT WGS CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No 22034-03
Date March 6, 2023

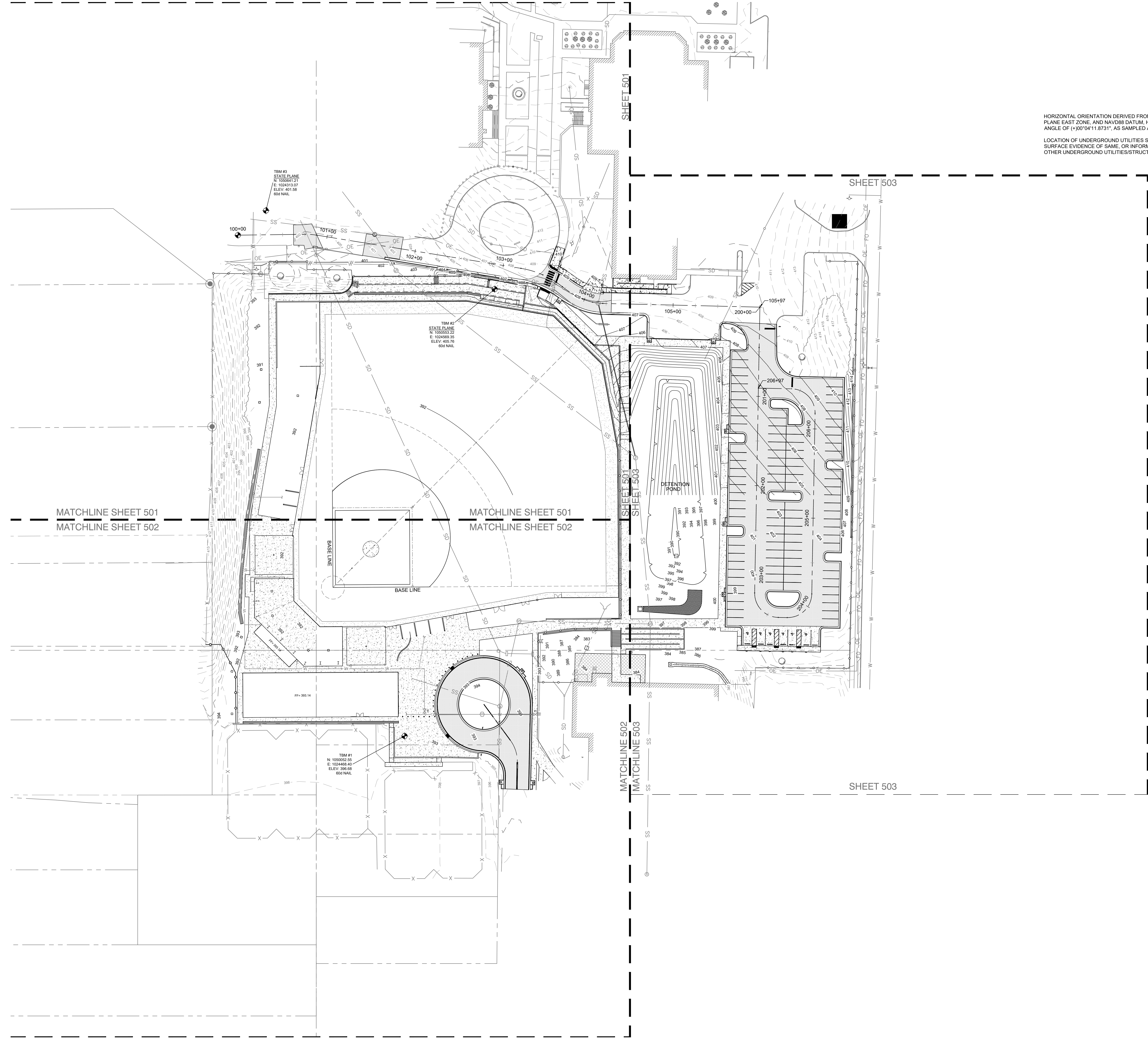
Revisions	Rev Date
Rev. 4	April 19, 2023

WG K
ENGINEERS & SURVEYORS

204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

C-500
Overall Grading Plan



V:\Dale Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\C-500 - Overall Grading Plan.dwg/19/2023 2:55 PM

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

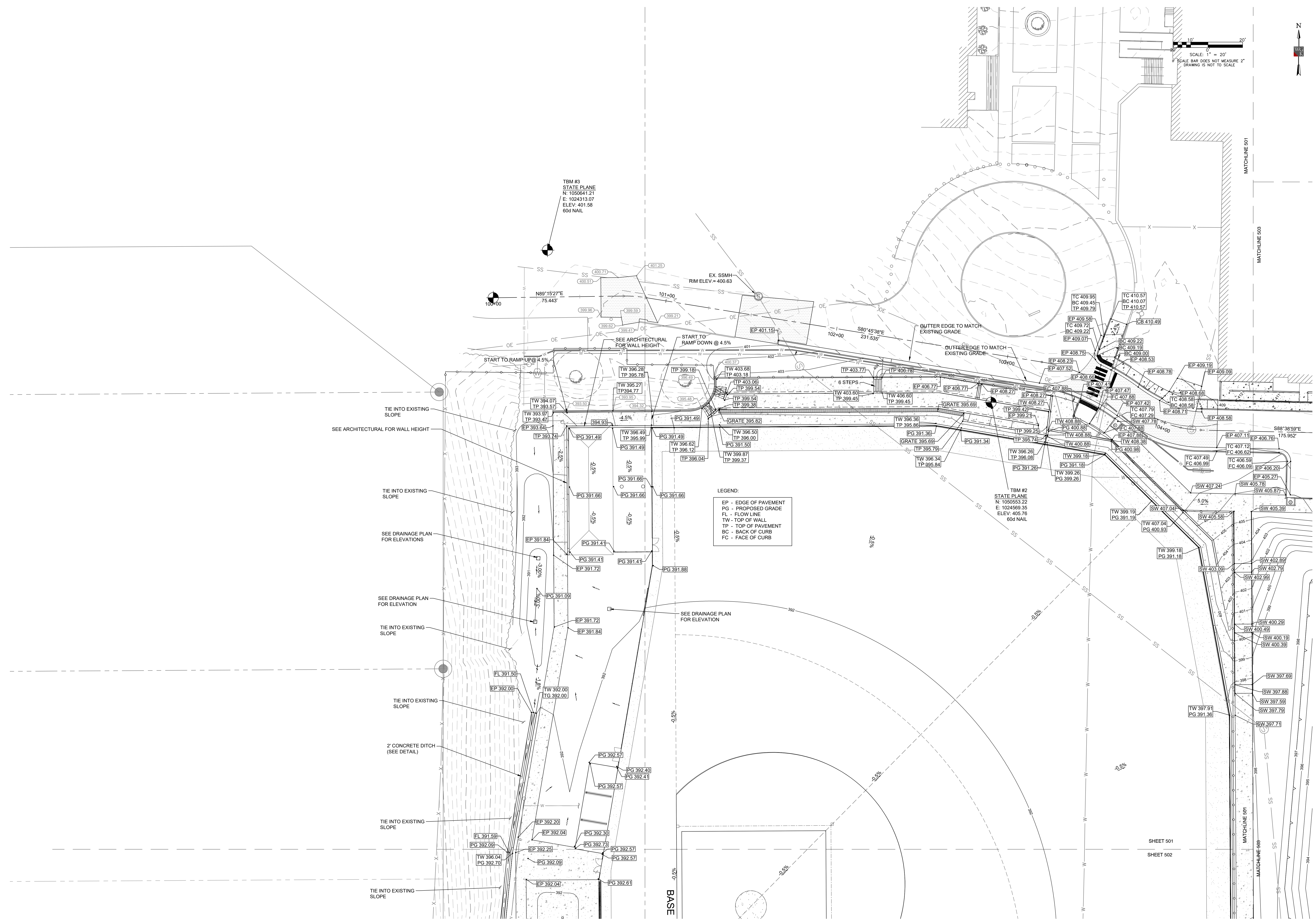
C-501

Grading Plan

SCALE: 1" = 20'
SCALE BAR DOES NOT MEASURE 2"
DRAWING IS NOT TO SCALE

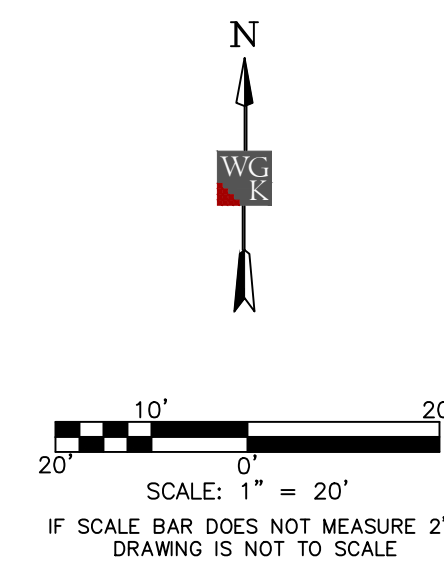


V:\Dale Palmer\2023-24\00 Meridian High School Baseball Softball\1\Production Drawings\Working\C-501 - Grading Plan.dwg 1/19/2023 2:55 PM



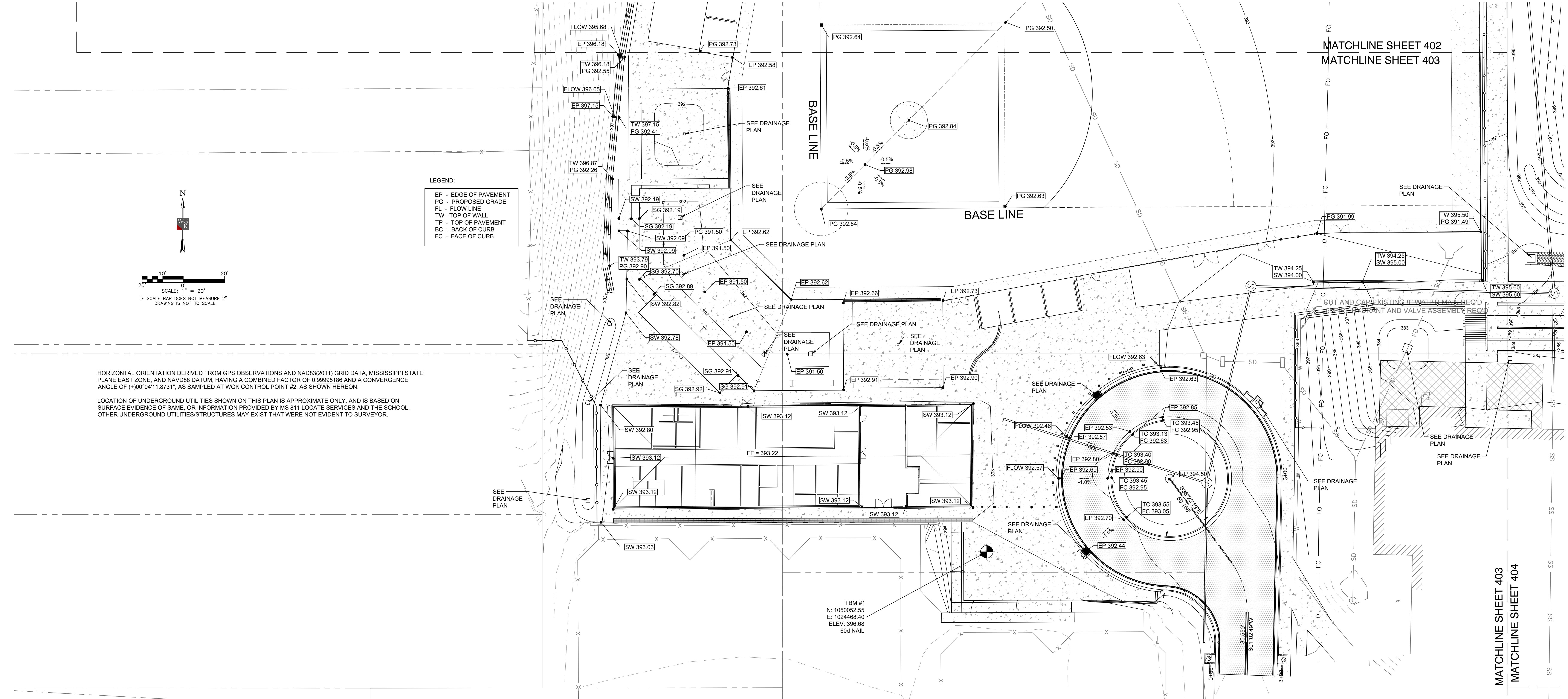
HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+)0°04'11.8731", AS SAMPLED AT WGS CONTROL POINT #2, AS SHOWN HEREON.
 LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

WG K
ENGINEERS & SURVEYORS
 204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
 132 West Cherokee Street
Brockhaven, Mississippi 39601
p. 601.833.9598

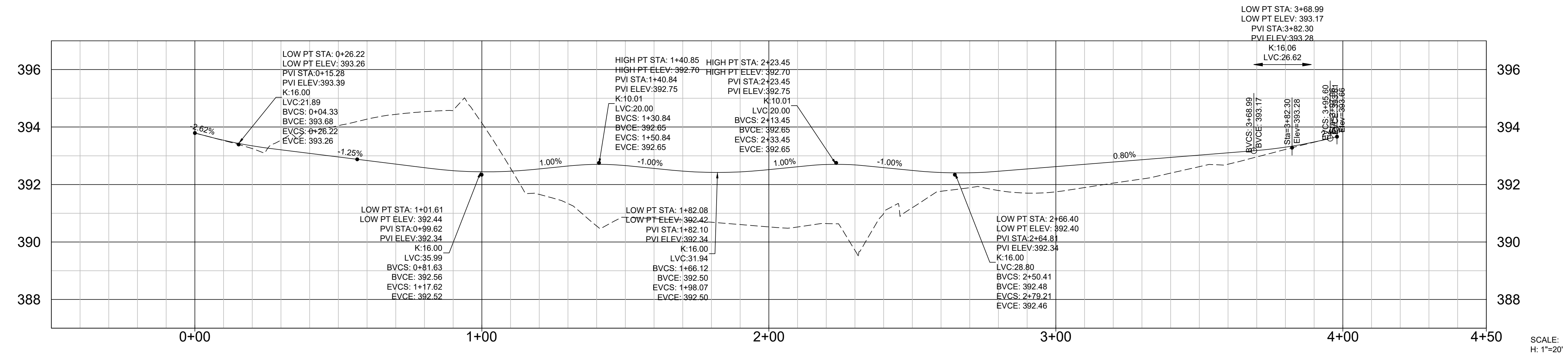


LEGEND:
EP - EDGE OF PAVEMENT
PG - PROPOSED GRADE
FL - FLOW LINE
TW - TOP OF WALL
TP - TOP OF PAVEMENT
BC - BACK OF CURB
FC - FACE OF CURB

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)00°04'11.8731", AS SAMPLED AT W/GK CONTROL POINT #2, AS SHOWN HEREON.
LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



**ROUNDABOUT
EDGE OF PAVEMENT / GUTTER LINE PROFILE**



SCALE:
H: 1" = 20'
V: 1" = 2'

V:\Dale Partners\2023-24\03-06-23\Meridian High School Baseball_Softball_1\Production Drawings\Working\C-502 Grading Plan.dwg 19/2023 2:55 PM

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

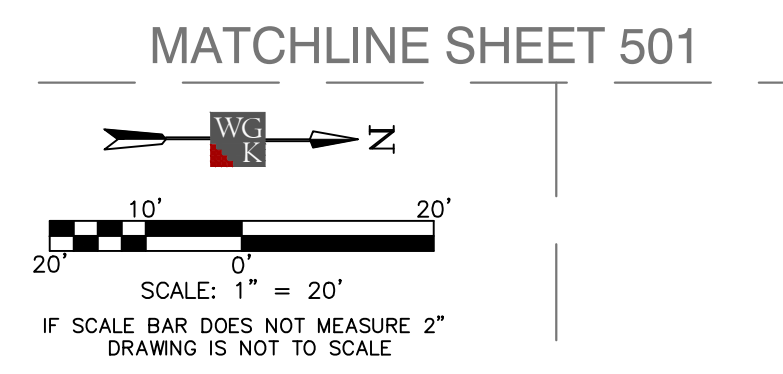
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

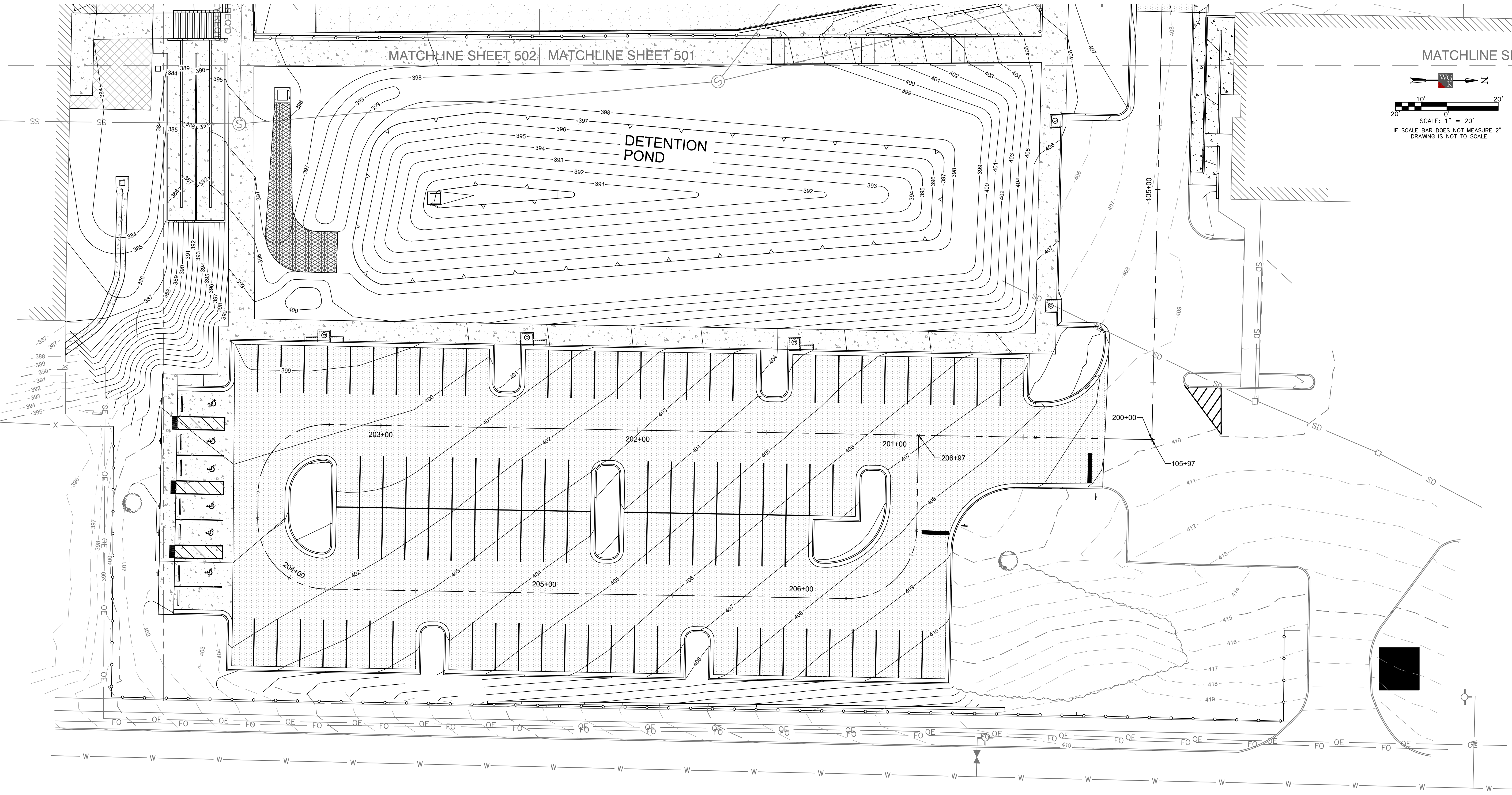
Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

C-503

Grading Plan



- LEGEND:**
- EP - EDGE OF PAVEMENT
 - PG - PROPOSED GRADE
 - FL - FLOW LINE
 - TW - TOP OF WALL
 - TP - TOP OF PAVEMENT
 - BC - BACK OF CURB
 - FC - FACE OF CURB



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)0°04'11.8731", AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

MATCHLINE SHEET 502

MATCHLINE SHEET 502 MATCHLINE SHEET 501

MATCHLINE SHEET 501

NOTES:

1. Drainage improvements shown on Sheets 600-603 are what is required of CONTRACTOR for the project's base bid. CONTRACTOR to include pricing within the base bid to complete 12,000 LBS of Undersealing to the existing 36" RCP, as described within the project specifications. This pricing should include costs to complete the work as a whole in place to include injection of polyurethane foam, surface injection (if required), camera work associate with location of joints needing undersealing, finished camera work, removal of excess foam from inside of pipe, and any other incidentals as related to the completion of this item of work. CONTRACTOR to provide unit pricing for Undersealing, per LB, that will be used to adjust the contract accordingly based on amount of foam needed.
2. CONTRACTOR to provide pricing for a drainage alternate which includes the removal of the double run of 36" RCP and replacing with two new runs of 36" RCP drain pipe and associated tie-ins to existing and proposed drainage structures. Length of total 36" RCP to be installed is approximately 1,100 LF.
3. All RCP joints to be wrapped with geotextile fabric to seal joints.
4. CONTRACTOR to be required to pour in place all inlet tops and modifications to existing drainage structures. No precast concrete inlet tops will be allowed on the job.
5. Lateral field drain lines to be spaced as per typical detail.
6. Toewalls are required on all flared end sections per MDOT standard detail.
7. SS-2 Top spot elevation are shown at back of curb middle of main box, top to be poured in place at grade of back of curb.

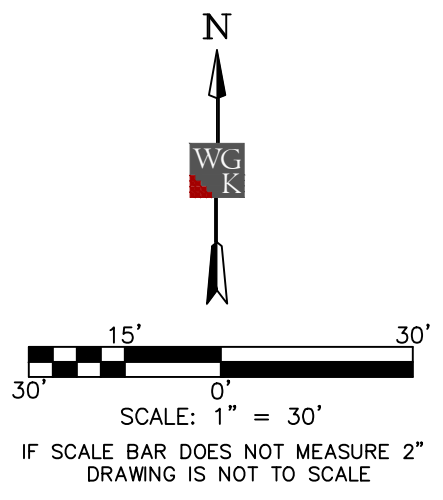
HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)00°04'11.8731", AS SAMPLED AT WCG CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

TBM #3
STATE PLANE
N: 1050641.21
E: 1024313.07
ELEV: 401.58
60d NAIL

TBM #2
STATE PLANE
N: 1050553.22
E: 1024569.32
ELEV: 405.76
60d NAIL

TBM #1
N: 1050052.55
E: 1024468.40
ELEV: 396.68
60d NAIL



Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

SHEET 603

WG K
ENGINEERS & SURVEYORS
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

C-600

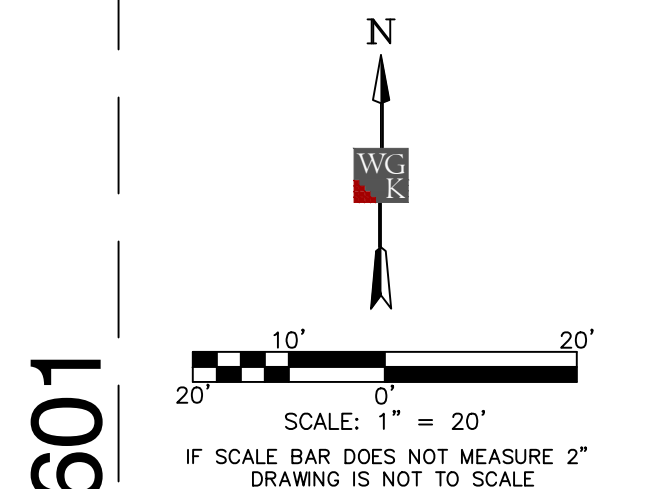
Overall Drainage Plan



Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100% Construction Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023



SHEET 601

SHEET 601

SHEET 603

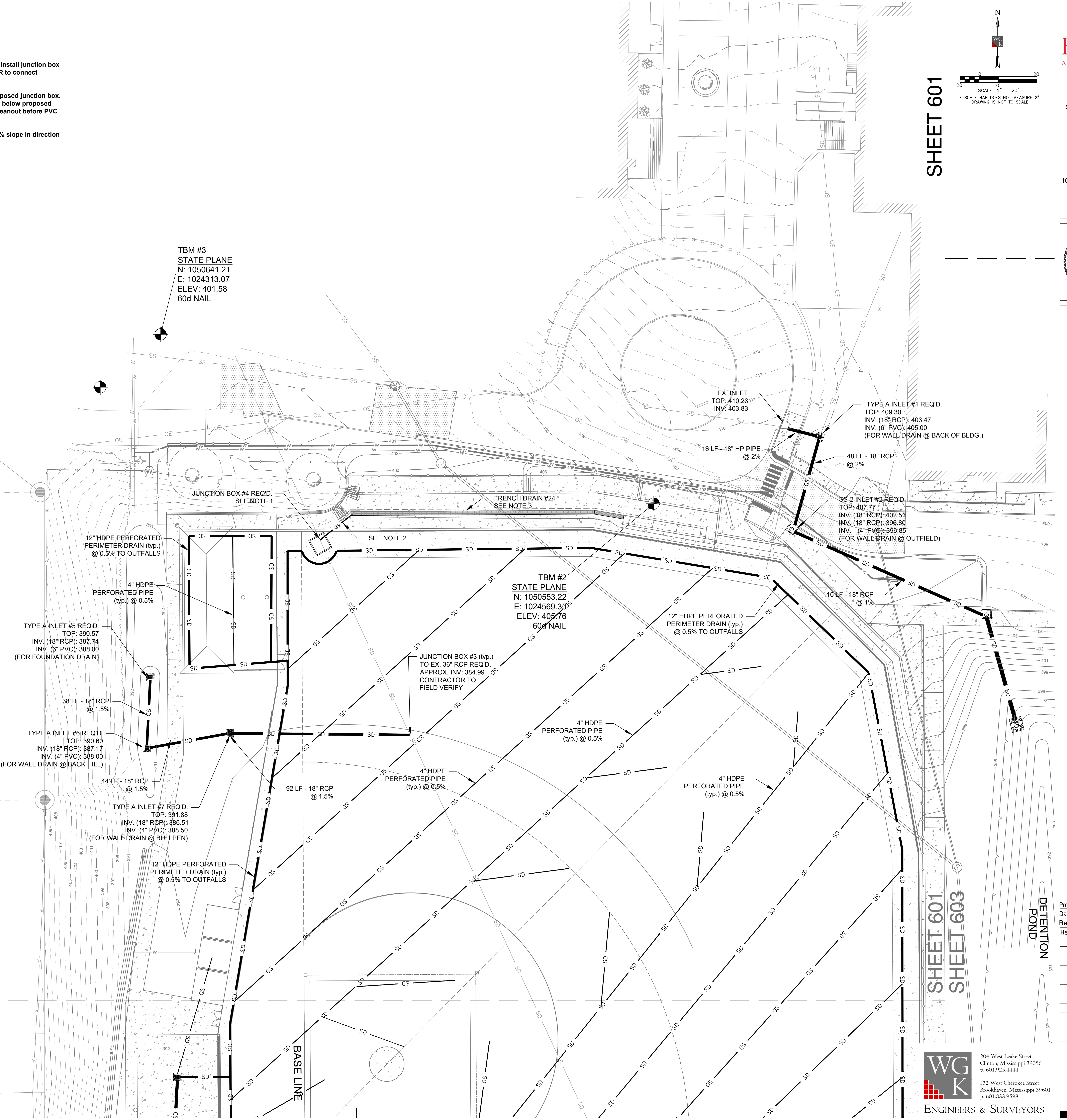


- NOTES:**
- CONTRACTOR to remove/seal existing 15" RCP pipe connection to existing 36" RCP. CONTRACTOR to install junction box (typ.) to connect existing 2 - 36" RCP at existing 15" RCP pipe connection to be removed. CONTRACTOR to connect proposed trench drain from left field lounge area at elevation of 388.60.
 - CONTRACTOR to connect 6" Schedule 40 PVC at 5% minimum slope from proposed trench drain to proposed junction box. Only "sweep fittings" to be used to navigate elevation difference between trench drain invert and to get below proposed retaining wall footing to connect to proposed junction box structure. CONTRACTOR to provide 2-way cleanout before PVC storm pipe passes under the retaining wall. See grading plan for elevations.
 - CONTRACTOR to pour in place trench drain as per details. Bottom of trench drain to have minimum 0.5% slope in direction of outfall pipe. Minimum starting depth of 1' below bottom of grate. ADA grate required.

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)0°04'11.8731", AS SAMPLED AT WGK CONTROL POINT #2, AS SHOWN HEREON.
LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

TBM #3
STATE PLANE
N: 1050641.21
E: 1024313.07
ELEV: 401.58
60d NAIL

TBM #2
STATE PLANE
N: 1050553.22
E: 1024569.35
ELEV: 405.76
60d NAIL



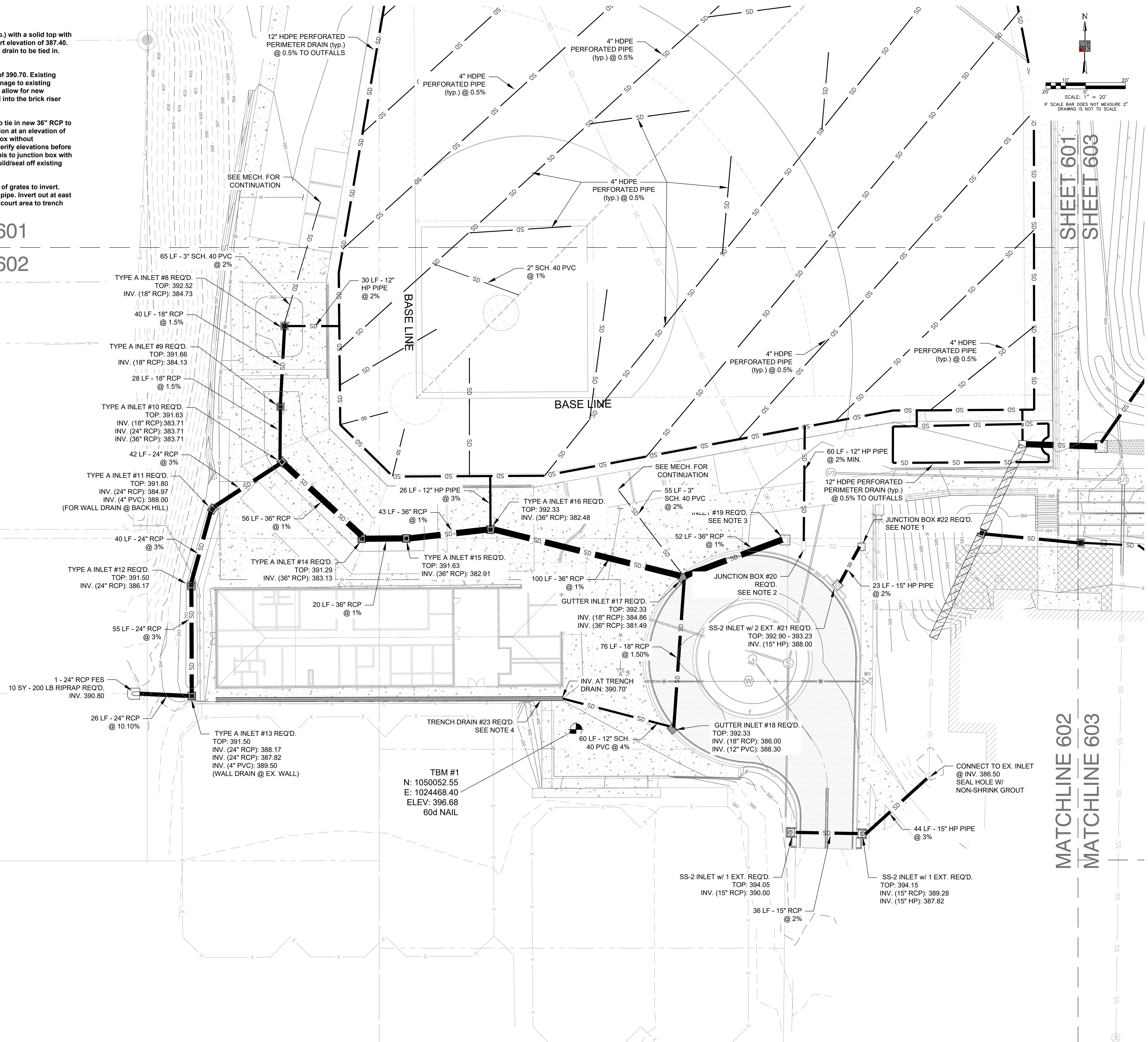
MATCHLINE SHEET 601
MATCHLINE SHEET 602

V:\Dale Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\CS00 - Overall Drainage Plan.dwg/19/2023 2:56 PM

NOTES:

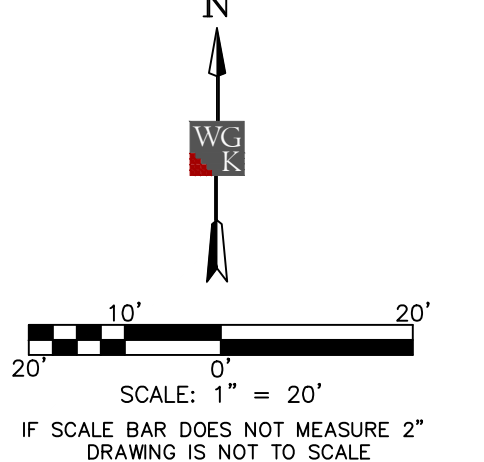
1. CONTRACTOR to remove existing top and grate/castings to convert existing inlet to junction box (typ.) with a solid top with elevation of 391.00. CONTRACTOR to connect proposed storm drain to existing box structure at invert elevation of 387.40. CONTRACTOR to modify existing brick riser structure as necessary to allow for new proposed storm drain to be tied in. Seal hole with nonshrink grout. Existing grates/casting to be salvaged to the City of Meridian.
2. CONTRACTOR to convert existing inlet to junction box with approximately same solid top elevation of 390.70. Existing grates/castings to be salvaged to City of Meridian. CONTRACTOR to tie in 12" HP pipe from field drainage to existing northern wall of existing inlet. CONTRACTOR to modify existing brick riser structure as necessary to allow for new proposed storm drain to be tied in. Proposed 12" HP pipe to be tied in above existing box culvert and into the brick riser section. Seal hole with nonshrink grout. CONTRACTOR to seal off whole from existing 10" clay pipe.
3. CONTRACTOR to remove existing 18" RCP to western wall of existing junction box. CONTRACTOR to tie in new 36" RCP to western wall of existing junction box between double run of 36" pipe and new box culvert cross section at an elevation of 380.97. The intent is for this invert elevation to allow for proposed 36" pipe to fit inside the junction box without compromising the wall thickness of existing top of box culvert/junction box. CONTRACTOR to field verify elevations before installing any pipe on this specific run. Seal holes with non shrink grout. CONTRACTOR to convert this to junction box with top elevation of 393.00. OWNER has had issues with this junction box leaking. CONTRACTOR to rebuild/seal off existing structure as necessary when converting to inlet.
4. Trench Drain to be approximately 180 LF long. Depth at upstream end to start at 1' deep from bottom of grates to invert. Trench drain to be installed in such a manner to ensure 0.5% slope from west to east towards outfall pipe. Invert out at east end to be 390.70'. CONTRACTOR to tie in foundation drain from existing and proposed wall at tennis court area to trench drain box with solid wall Schedule 40 PVC. ADA grate required. Grate top at 393.00

MATCHLINE SHEET 601
MATCHLINE SHEET 602



SHEET 601
SHEET 603

MATCHLINE 602
MATCHLINE 603



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com



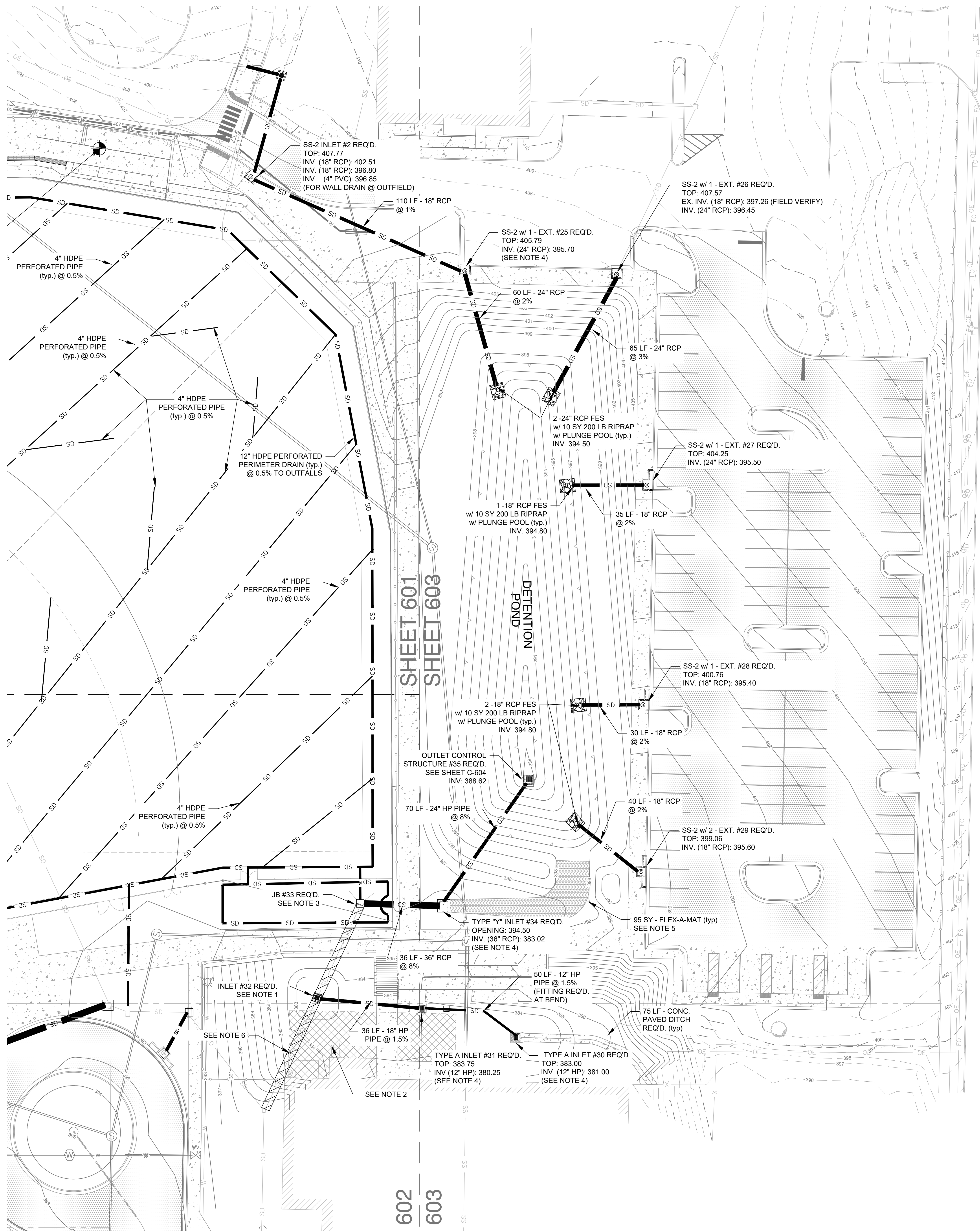
Meridian High School Baseball/Softball
2820 32nd St., Meridian, MS 39305

100%
Construction
Documents
Project No 22034-03
Date March 6, 2023
Revisions Rev Date
REV. 4 APRIL 19, 2023

V:\Dale Partners\2022-249-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\0300 - Overall Drainage Plan.dwg/19/2022 2:56 PM

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF +0°04'11.8731", AS SAMPLED AT W/GK CONTROL POINT #2, AS SHOWN HEREON.
LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

V:\Dale Partners\2025-349-SD Meridian High School Baseball_Softball_1\Production Drawings\Working\C600 - Overall Drainage Plan.dwg/19/2025 2:56 PM

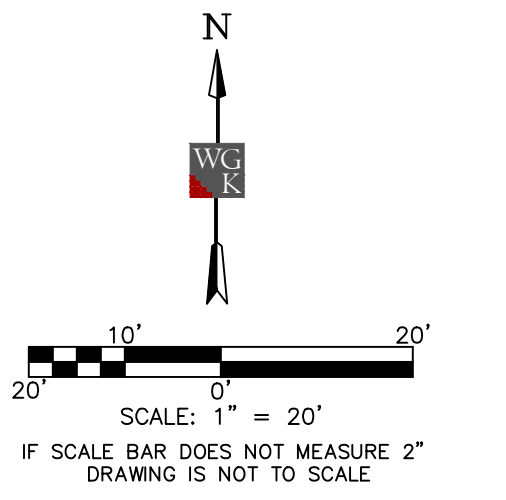


NOTES:

- CONTRACTOR to make branch connection to existing box culvert with proposed 18" HP Pipe at elevation of 379.72'. CONTRACTOR to follow MDOT Detail #6507 for requirements of branch connection. CONTRACTOR to follow MDOT Detail #6527 to install drop inlet and grate for box culvert at the location shown on plans. CONTRACTOR to field verify existing box culvert invert at this location and horizontal location of existing box culvert and consult with the ENGINEER for final direction if field conditions are different than shown on plans before beginning this item of work. CONTRACTOR to include knock out for 6" foundation drain for retaining walls as needed.
- CONTRACTOR to clean existing inlet and pipe connection to existing box culvert to ensure working at full capacity. CONTRACTOR to notify ENGINEER of any found deficiencies with this structure.
- CONTRACTOR to saw cut and remove existing flared end section/headwall from existing box culvert. CONTRACTOR to follow MDOT Detail #6505 to then create junction box (no grate) to connect existing box culvert to proposed drainage pipes. Existing box culvert has invert of approximately 380.14'. Solid top of junction box to have elevation of 387.50'. 12" HP Pipe from baseball field to have invert of 385.00'. CONTRACTOR to field verify existing box culvert invert at this location and horizontal location of existing box culvert and consult with the ENGINEER for final direction if field conditions are different than shown on plans before beginning this item of work. CONTRACTOR to include knock out for 6" foundation drain for retaining walls as needed.
- CONTRACTOR to include knock out in box for 6" foundation drain for nearby retaining walls as needed.
- CONTRACTOR to use Flex-A-Mat product for emergency spillway to proposed "Y" Inlet. See construction details for typical section.
- CONTRACTOR to clean silt and debris from this run of existing box culvert.

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)00°04'1.8731", AS SAMPLED AT WGR CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com



Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023



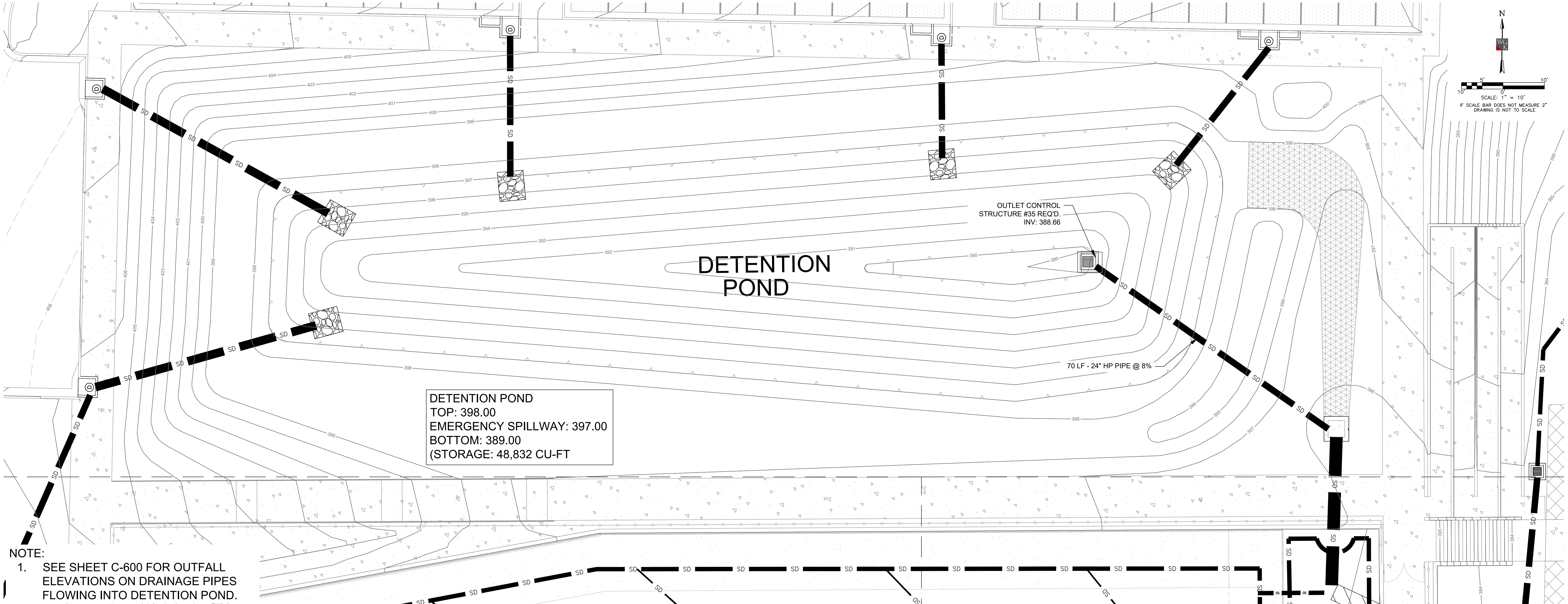
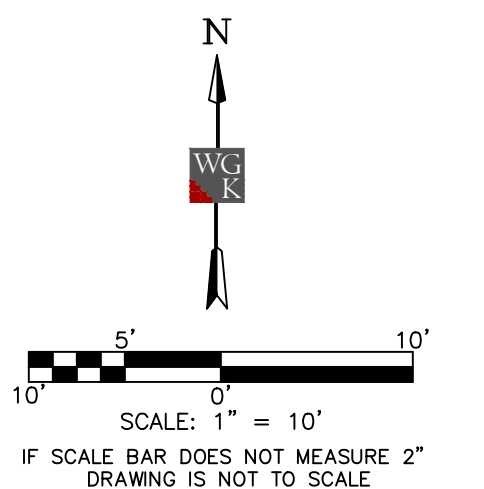
Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

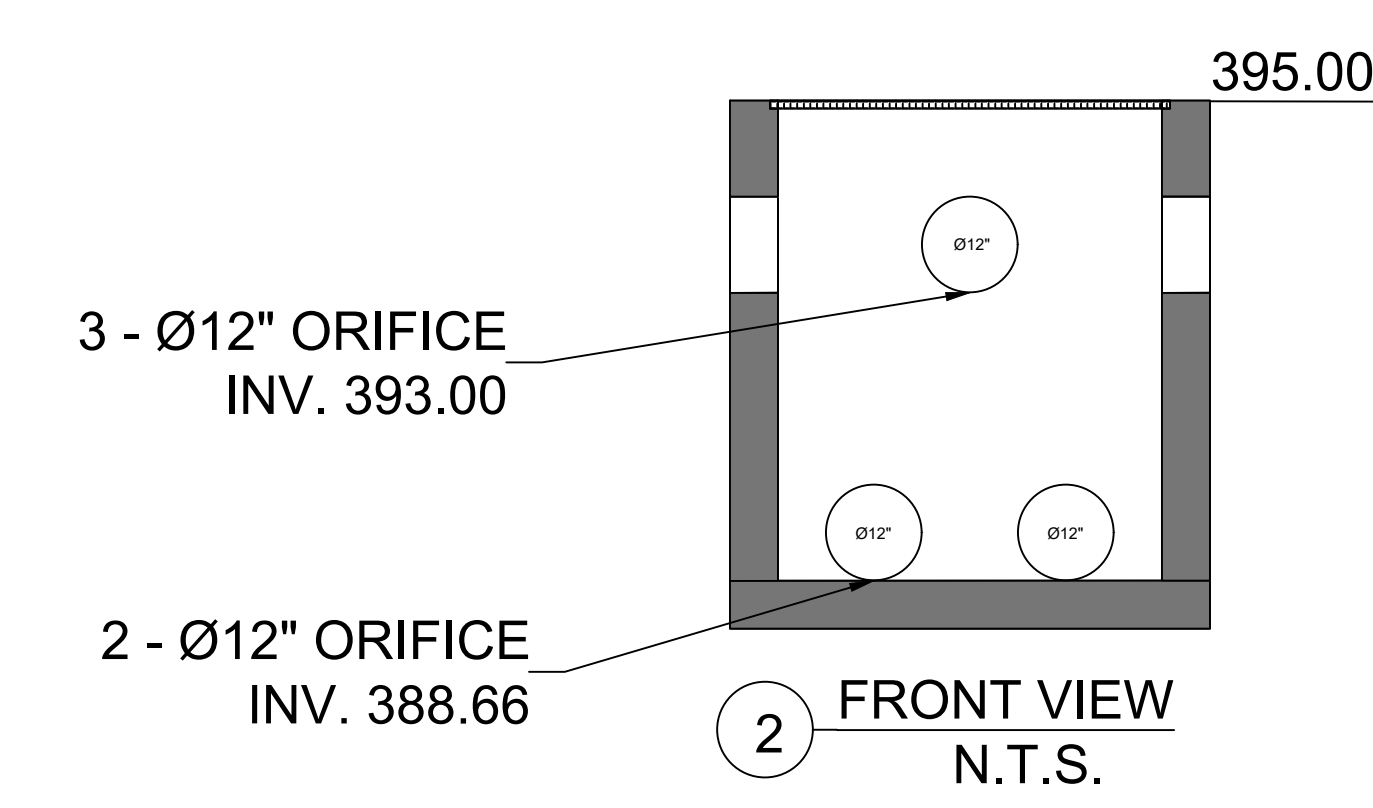
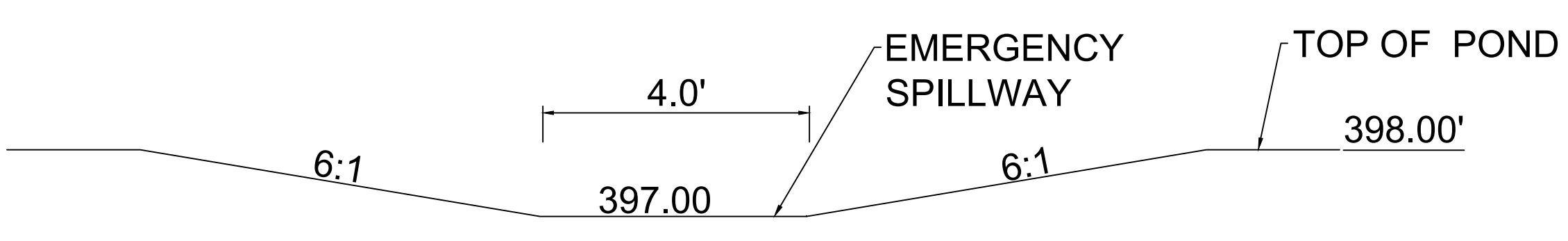
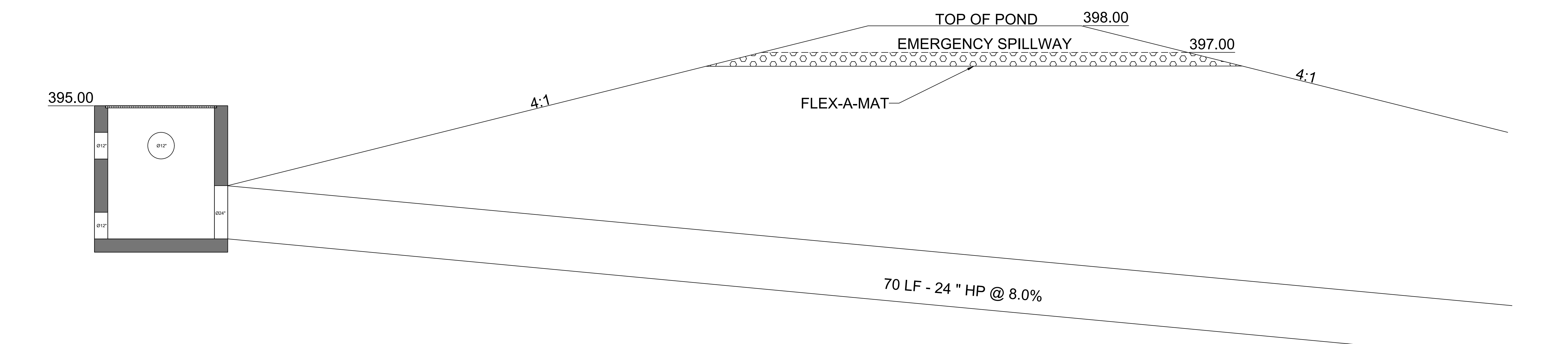
Project No 22034-03
Date March 6, 2023
Revisions Rev Date

C-604
DETENTION POND

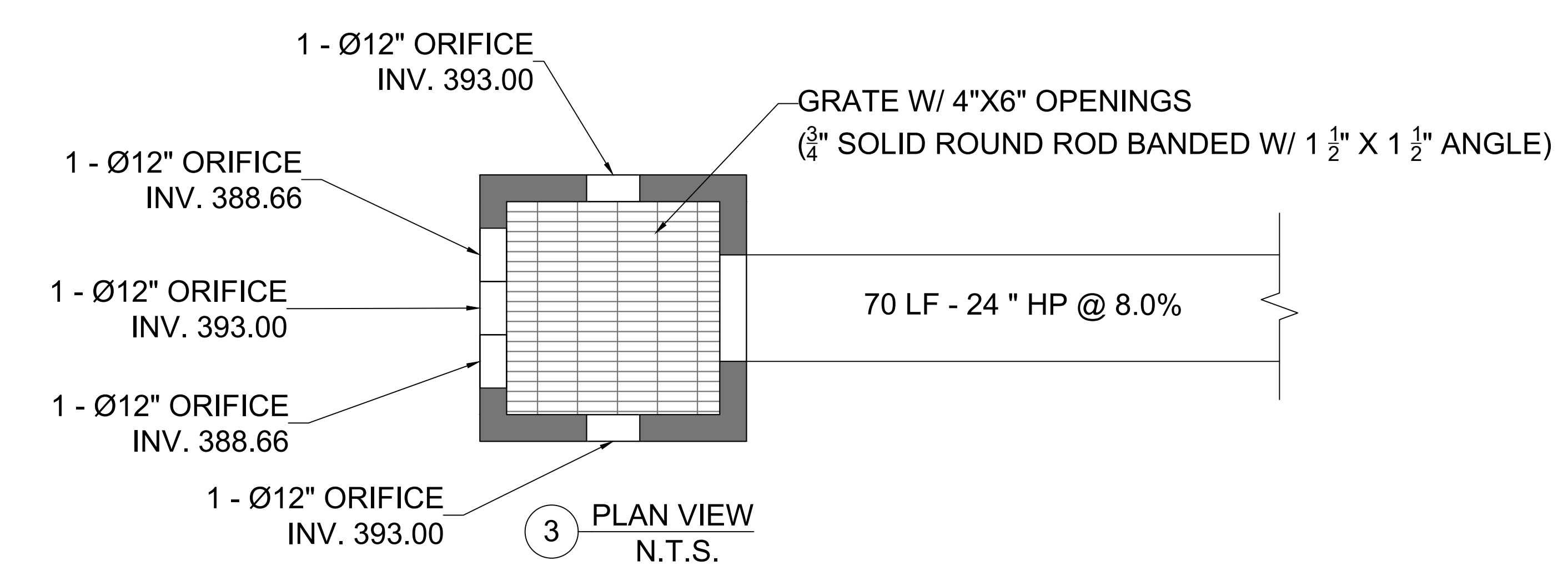


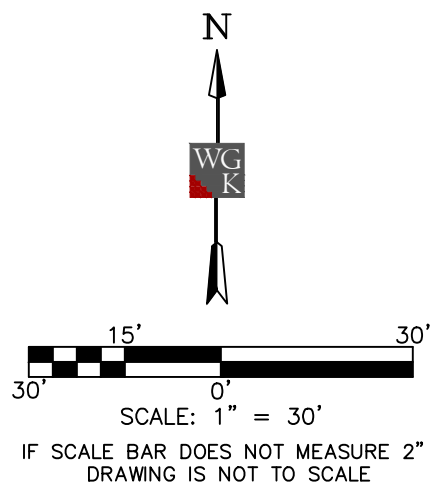
DETENTION POND
TOP: 398.00
EMERGENCY SPILLWAY: 397.00
BOTTOM: 389.00
(STORAGE: 48,832 CU-FT)

NOTE:
1. SEE SHEET C-600 FOR OUTFALL ELEVATIONS ON DRAINAGE PIPES FLOWING INTO DETENTION POND.



1 SIDE VIEW
N.T.S.





HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"), AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

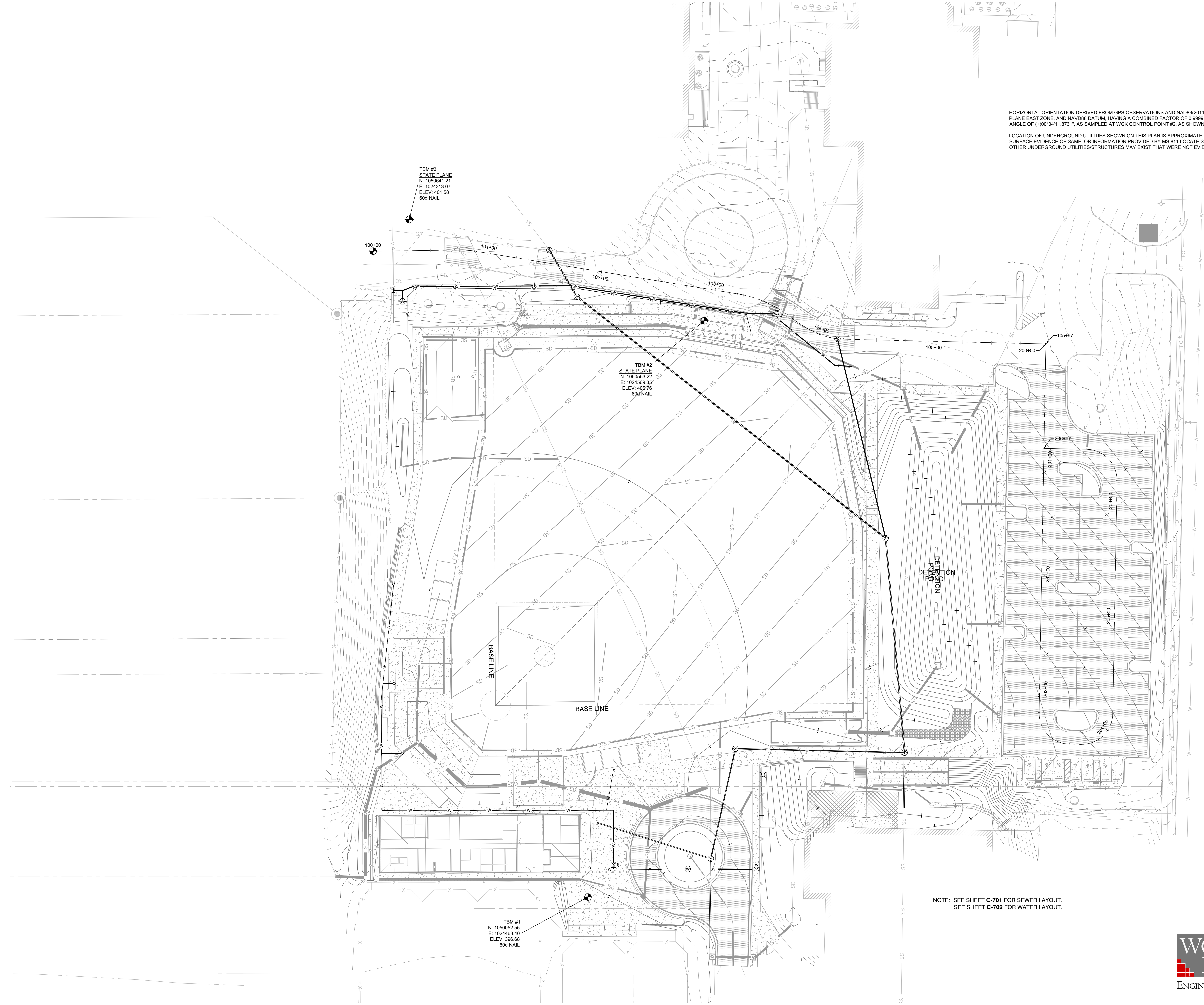
Project No	22034-03
Date	March 6, 2023
Revisions	Rev Date
Rev. 4	April 19, 2023

WG K
ENGINEERS & SURVEYORS
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

C-700

Overall Utility Plan

V:\Dale Partners\2023-24-03 Meridian High School Baseball_Softball_1\Production Drawings\Working\C700 - Overall Utility Plan.dwg/19/2023 2:57 PM



TBM #3
STATE PLANE
N: 1050641.21
E: 1024313.07
ELEV: 401.58
60d NAIL

TBM #2
STATE PLANE
N: 1050653.22
E: 1024569.35
ELEV: 405.76
60d NAIL

TBM #1
N: 1050052.55
E: 1024468.40
ELEV: 398.68
60d NAIL

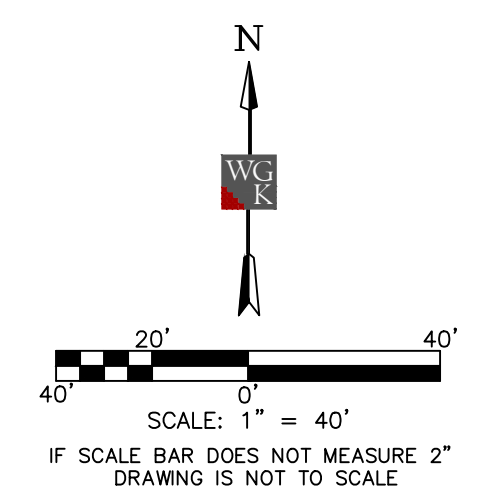
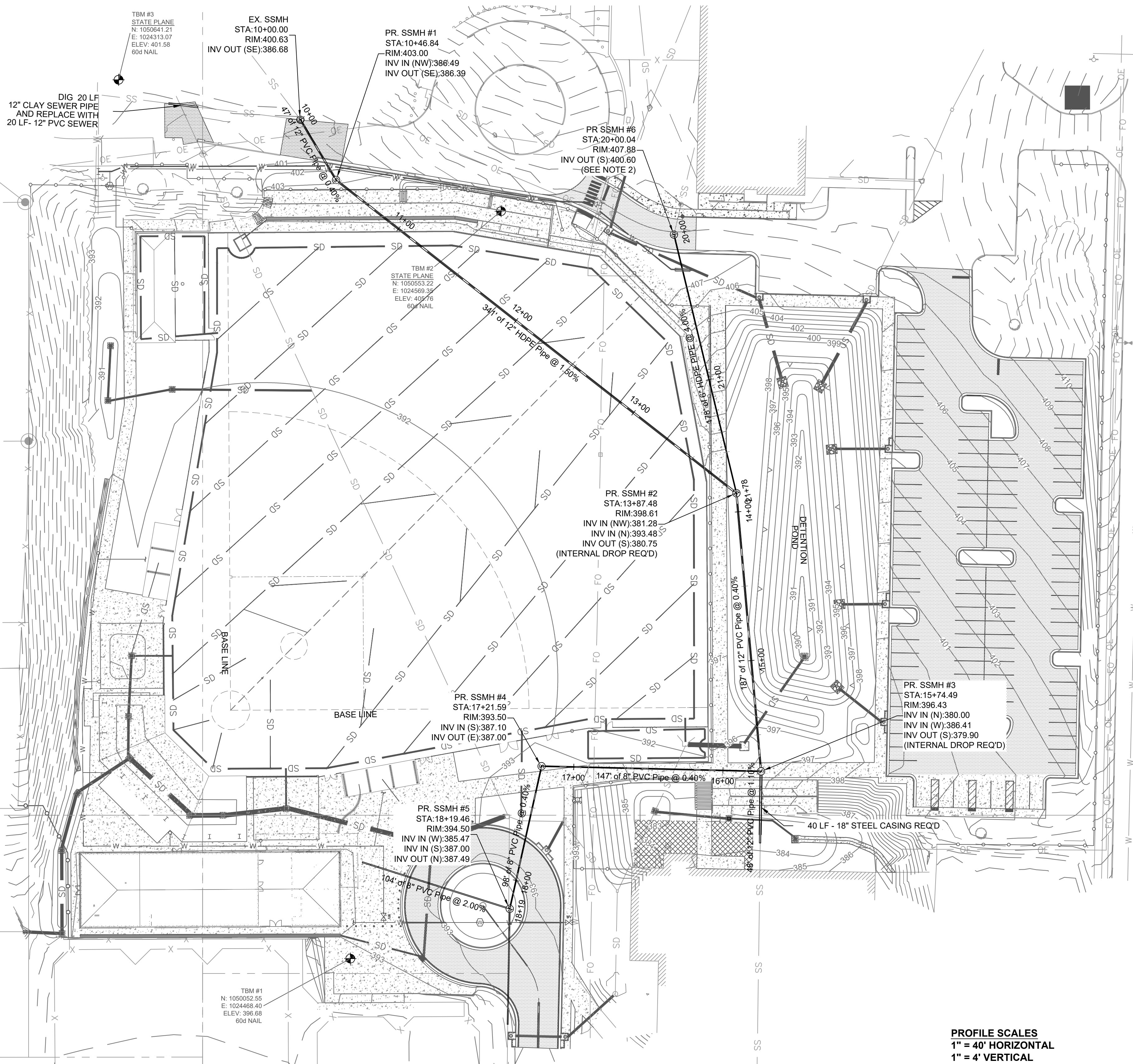
NOTE: SEE SHEET C-701 FOR SEWER LAYOUT.
SEE SHEET C-702 FOR WATER LAYOUT.

NOTES:

1. CONTRACTOR option to bore or open cut all proposed HDPE sewer piping under proposed baseball field footprint and new service line to MH #6.
2. CONTRACTOR to field locate existing sewer service line and field verify invert in this area. CONTRACTOR to verify if there is conflict with proposed storm drain before ordering manhole based off field elevations of existing sewer service line. CONTRACTOR to consult with engineer for final direction based off field elevations of sewer service.
3. CONTRACTOR required to CCTV and check slopes of all new proposed sewer lines installed. See specifications for requirements.
4. CONTRACTOR to not disrupt school or extracurricular activities with new water/sewer installations, connections, and/or switch overs.
5. CONTRACTOR responsible for any bypass pumping required to complete the necessary sewer work.

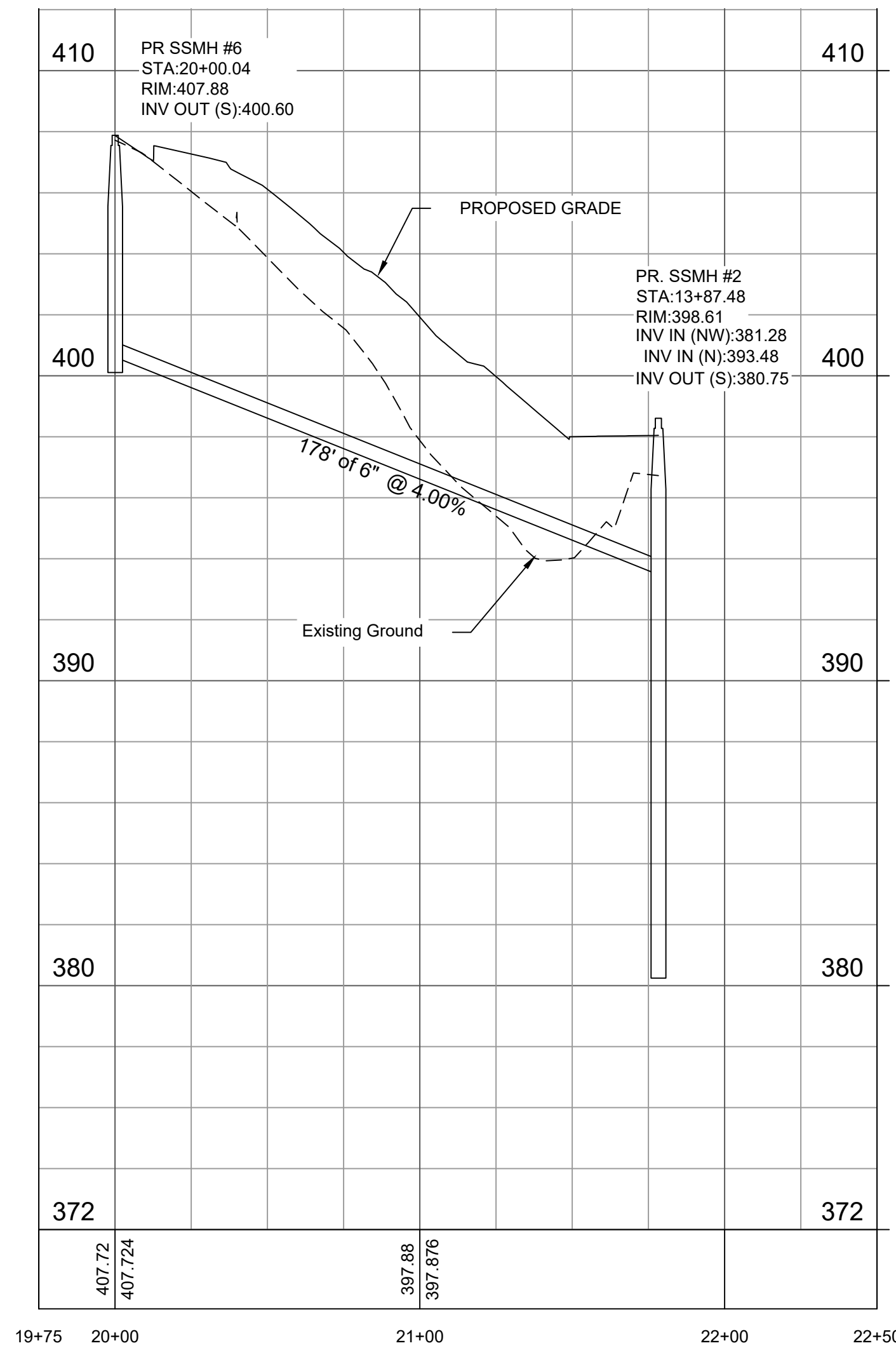
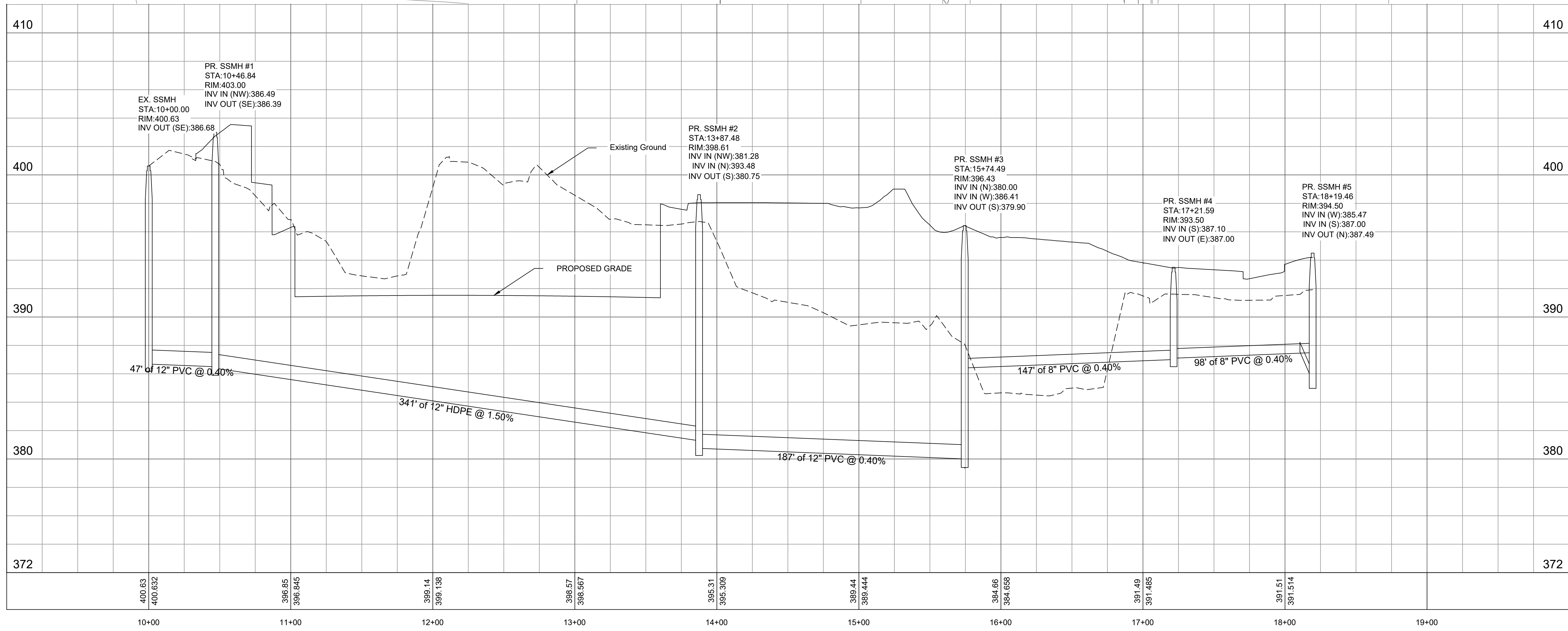
HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)0°00'41.18731", AS SAMPLED AT WGK CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



WGK
ENGINEERS & SURVEYORS
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9398

PROFILE SCALES
1" = 40' HORIZONTAL
1" = 4' VERTICAL



V:\Dale Partners\2023-24-03 Meridian High School Baseball_Softball_1\Production Drawings\Working\C701-704 - Sewer Plan and Profile.dwg/19/2023 2:57 PM

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



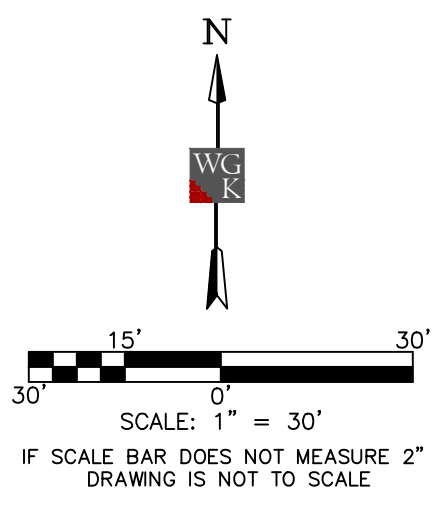
Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction
Documents

Revisions	Rev	Date
Rev. 4	April 19, 2023	

NOTES:

1. CONTRACTOR to have option of boring or open cutting water lines in this area. CONTRACTOR to restore pavement back to previous condition or better if open cut method is chosen.
2. CONTRACTOR to not disrupt school or extracurricular activities with connection/installation of new water/sewer utilities.
3. CONTRACTOR to locate existing waterline running East towards 23rd Avenue in proposed grass area shown on plans. CONTRACTOR to install new line as shown on plans and reconnect this leg to city system as shown.
4. Hose bib general locations were determined by ARCHITECT, and OWNER will choose final location before installation.



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"), AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

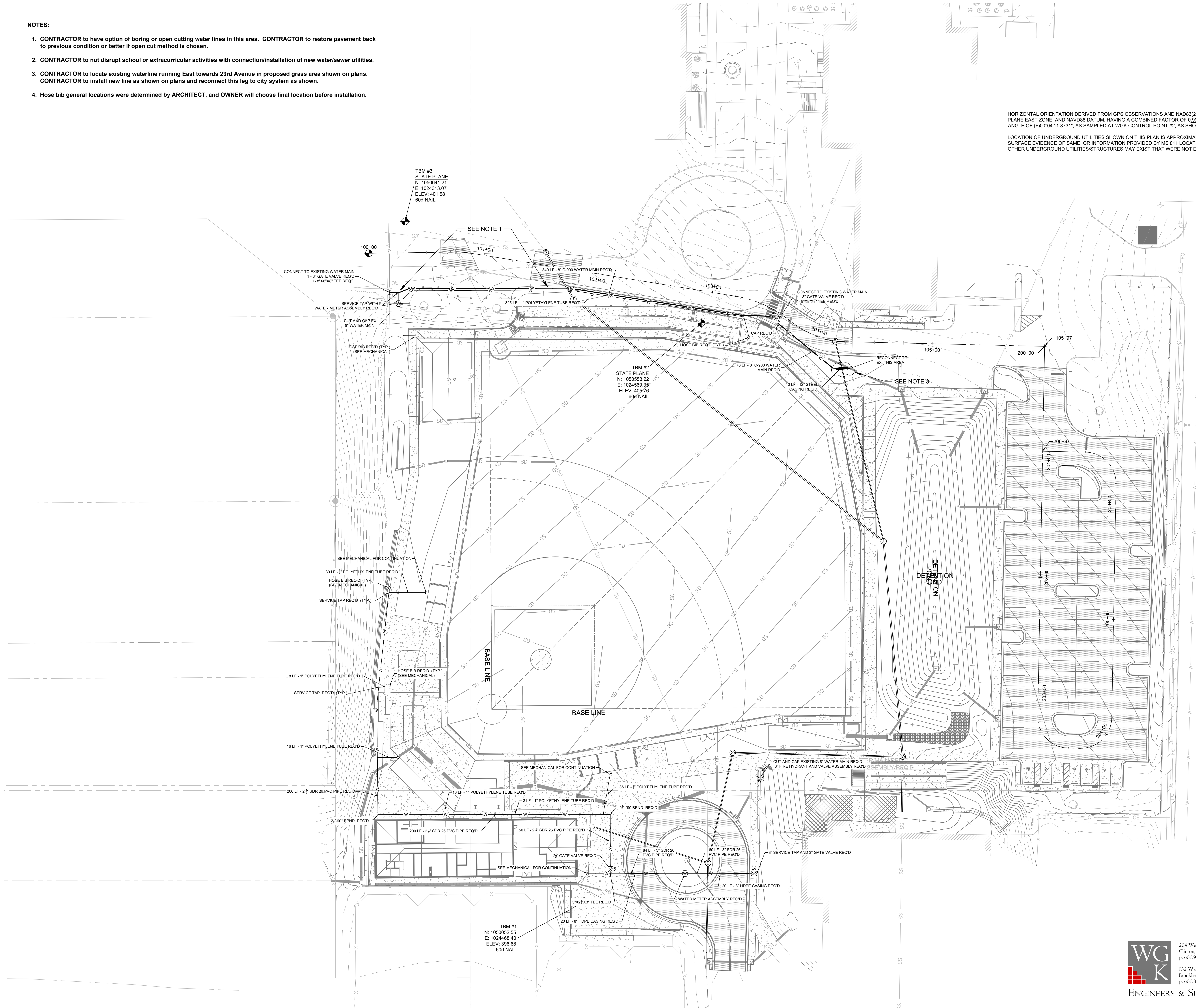
100%
Construction
Drawings

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

C-702

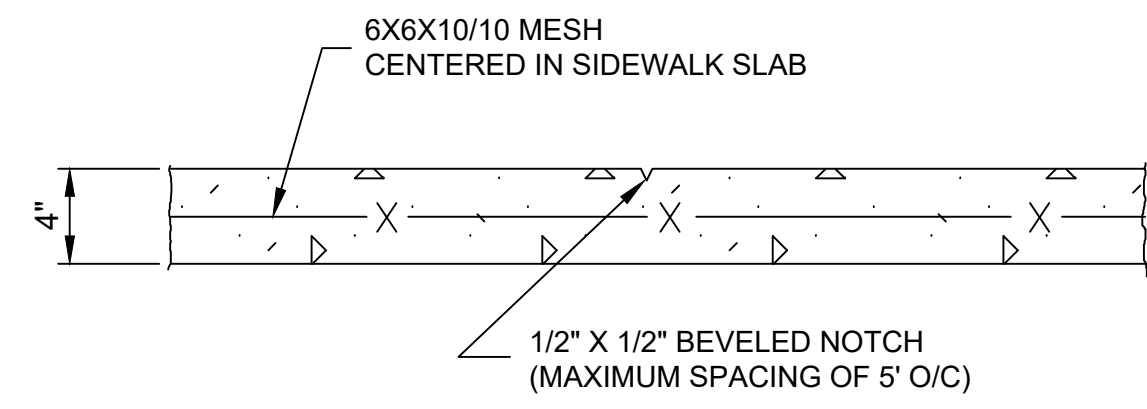
Water Layout

V:\Dale Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\C700 - Overall Utility Plans.dwg/19/2023 2:57 PM

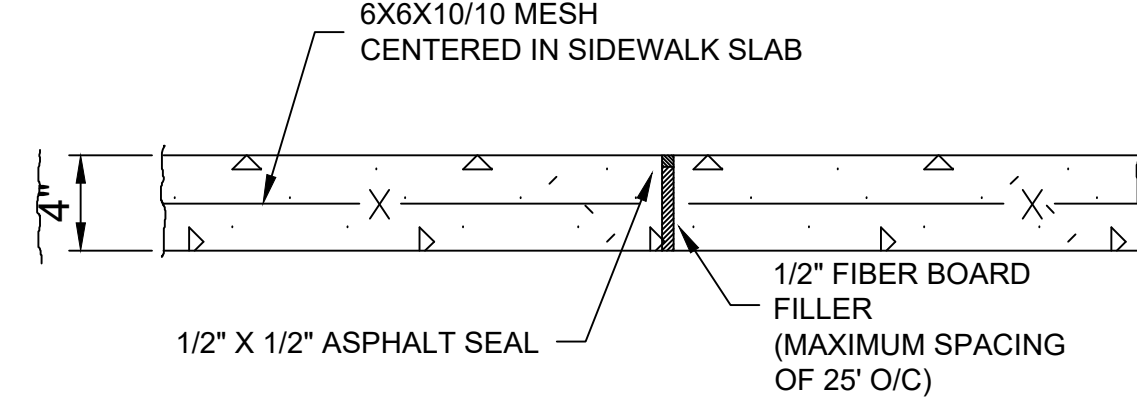


204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

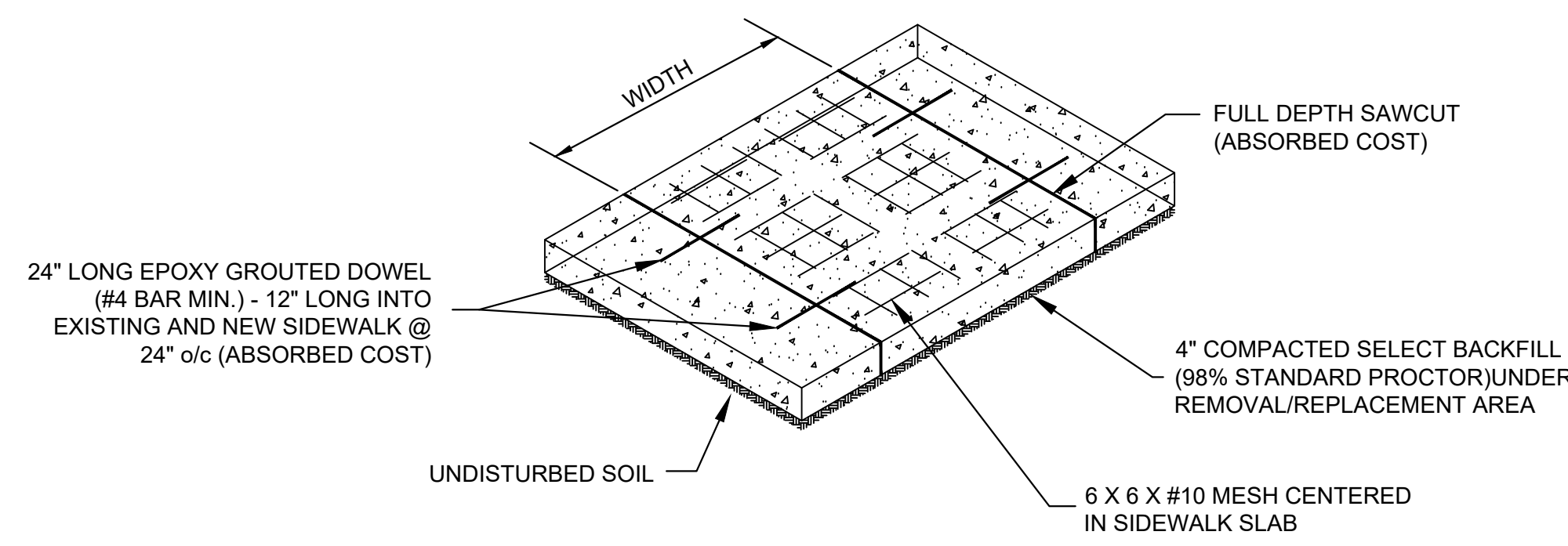
ENGINEERS & SURVEYORS



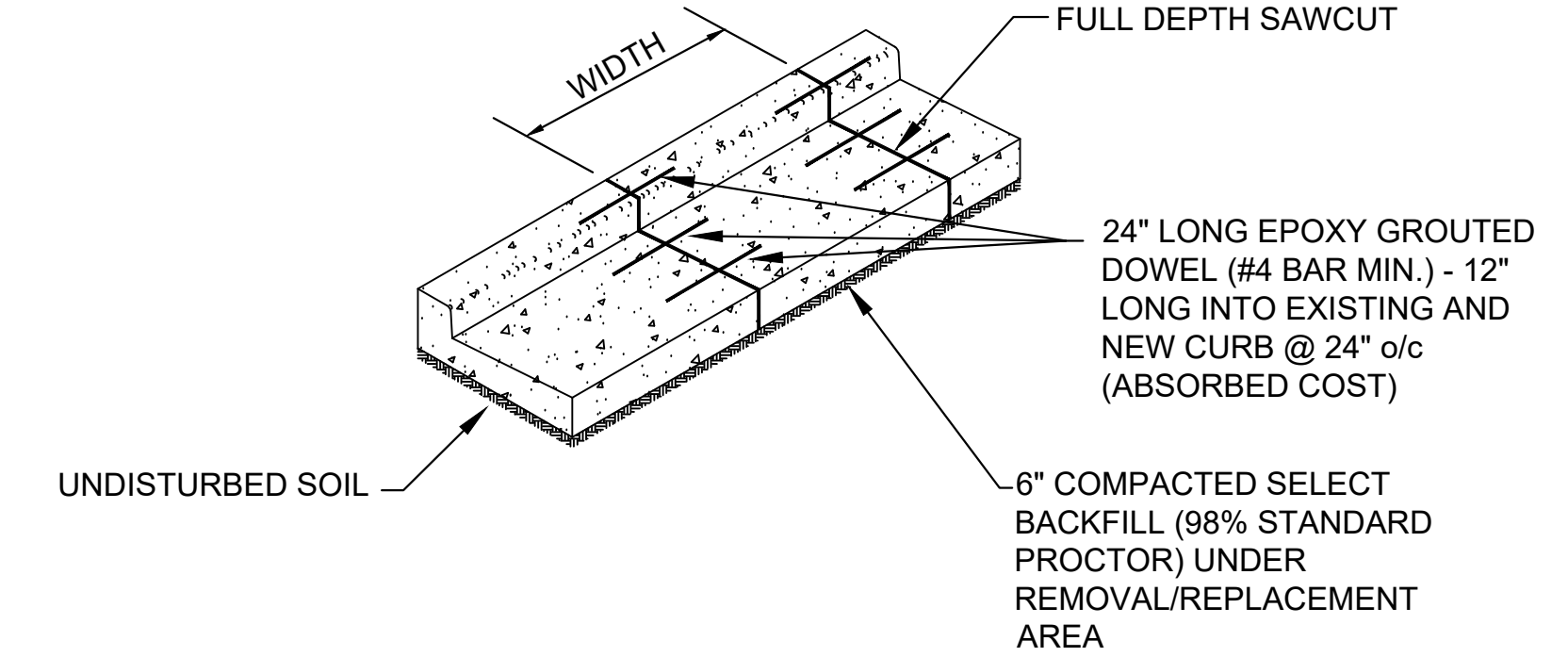
1 TYPICAL SIDEWALK CONSTRUCTION JOINT
N.T.S.



2 TYPICAL SIDEWALK EXPANSION JOINT
N.T.S.

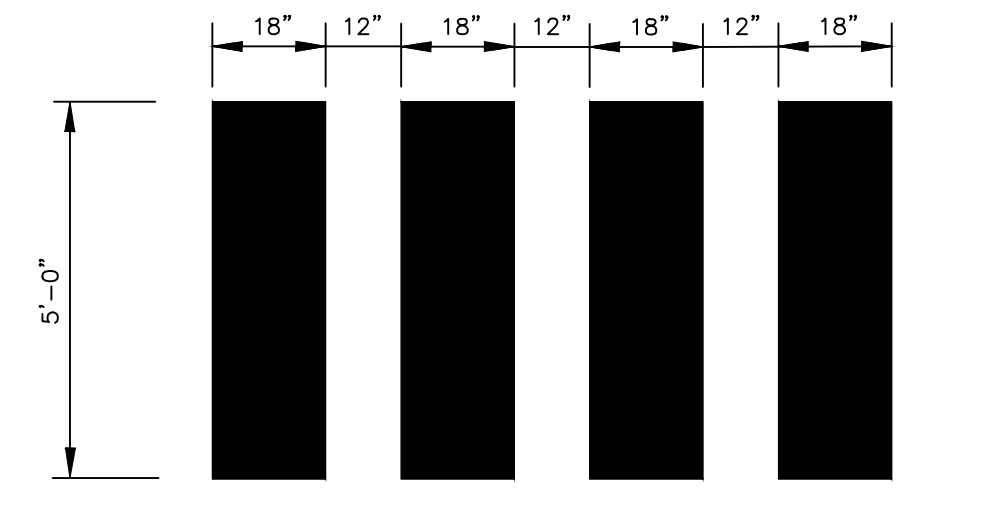


3 TIE-IN TO EX. CONC. SIDEWALK
N.T.S.

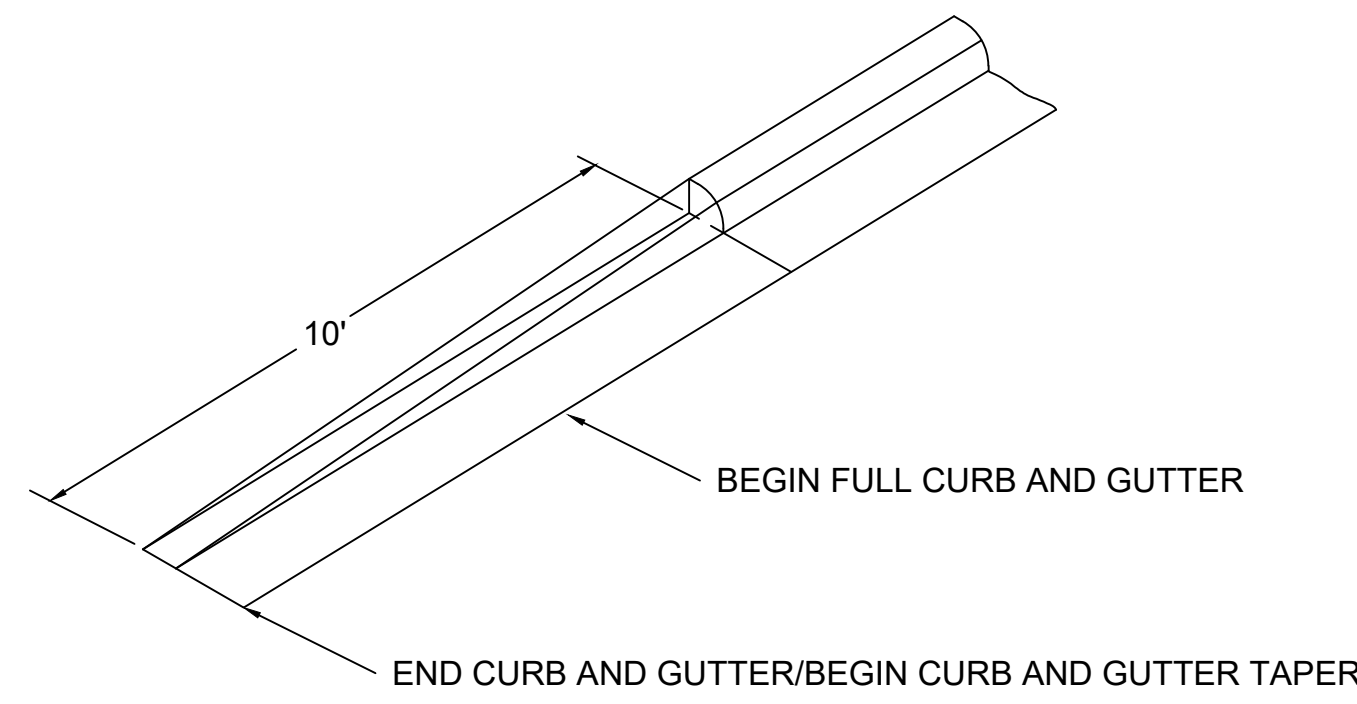


4 TIE-IN TO EX. CONC. CURB & GUTTER
N.T.S.

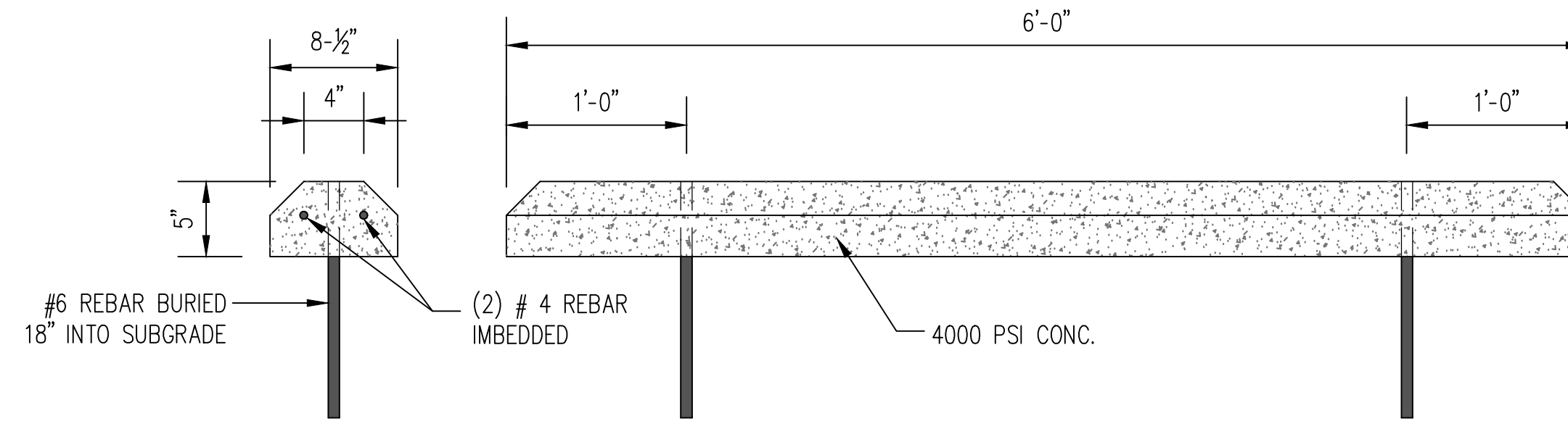
NOTE: CONSTRUCTION JOINTS FOR CURB 10' O/C AND EXPANSION JOINTS EVERY 50' O/C AND AT RADIUS POINTS



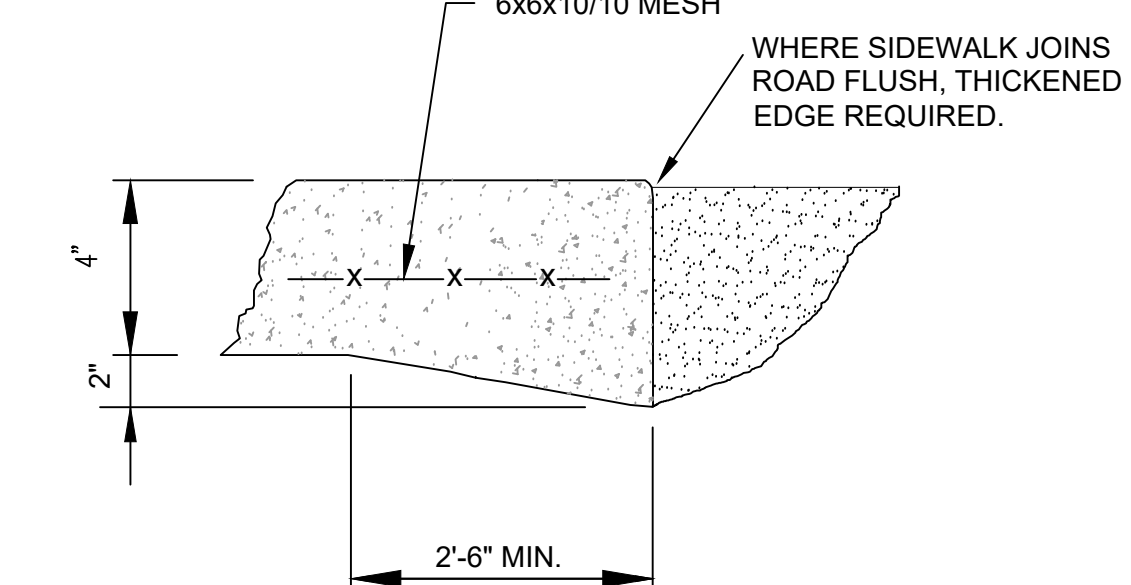
5 TYP. CROSSWALK DETAIL
N.T.S.



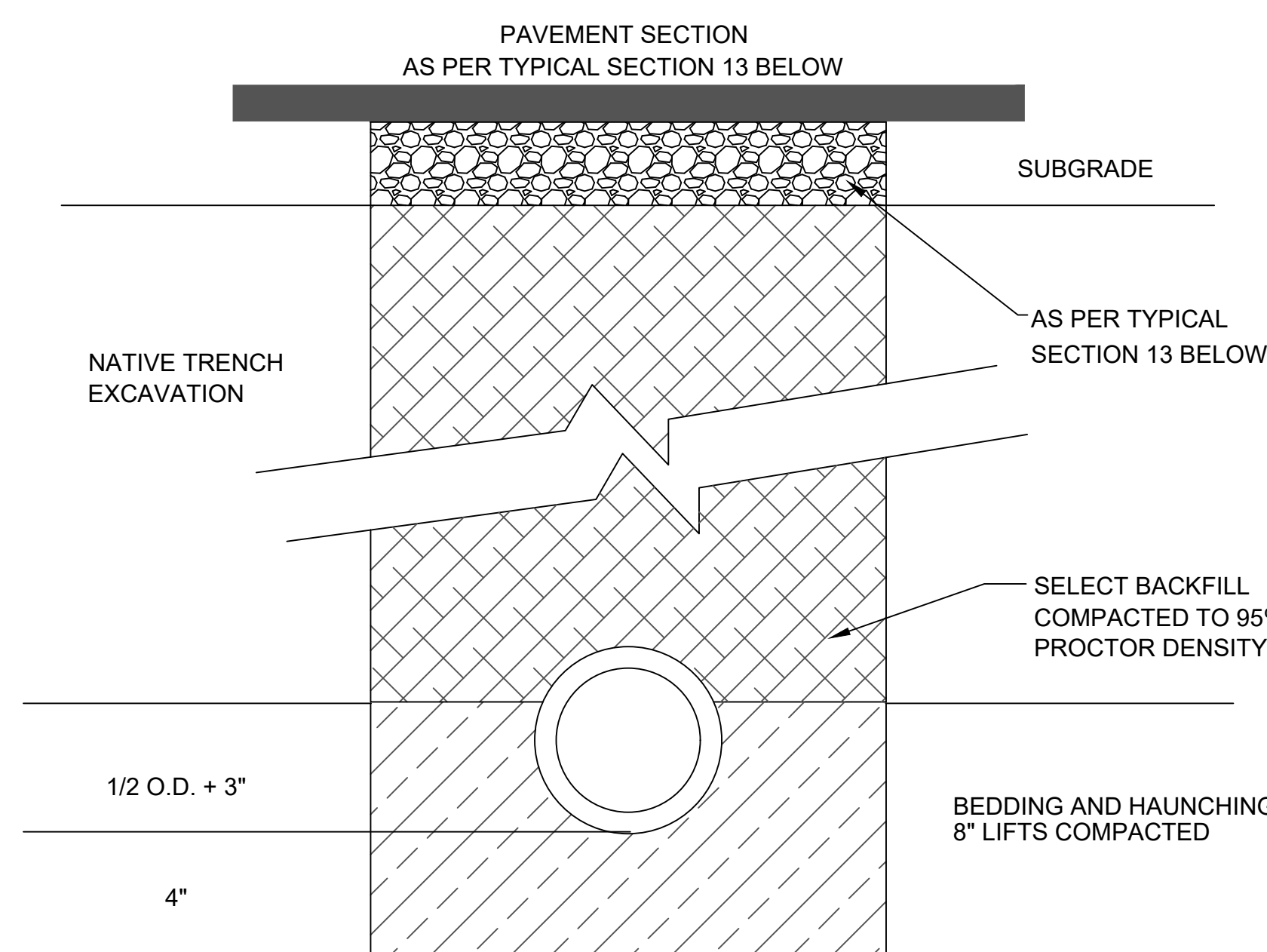
6 CURB & GUTTER TAPER
N.T.S.



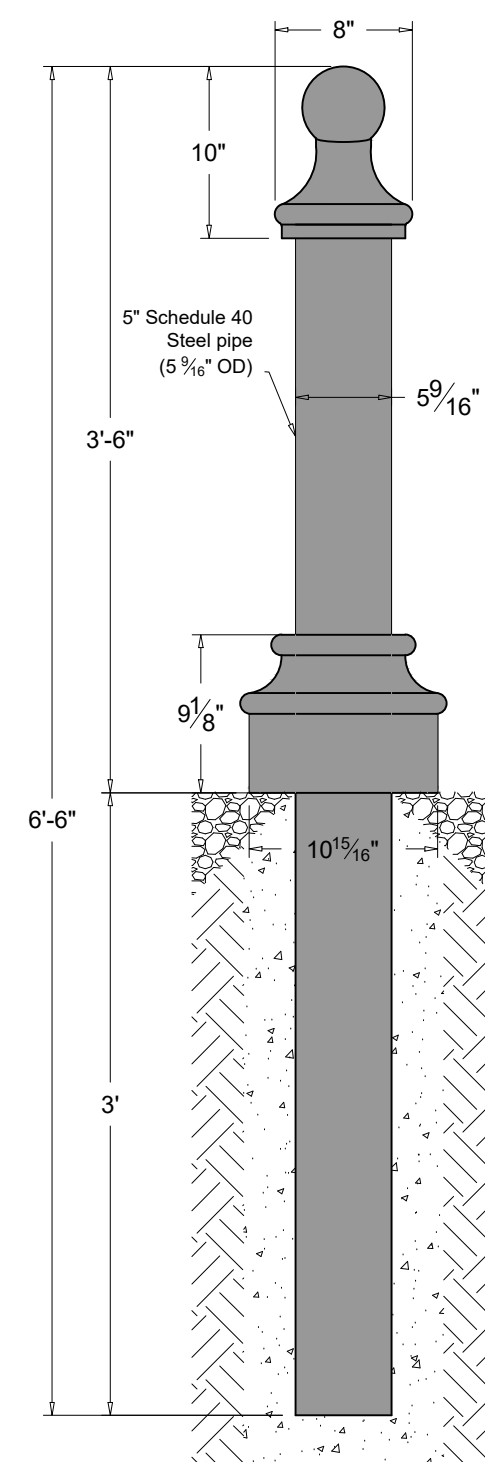
7 PARKING BUMPER DETAIL
N.T.S.



8 CONCRETE SW THICKENED EDGE
N.T.S.

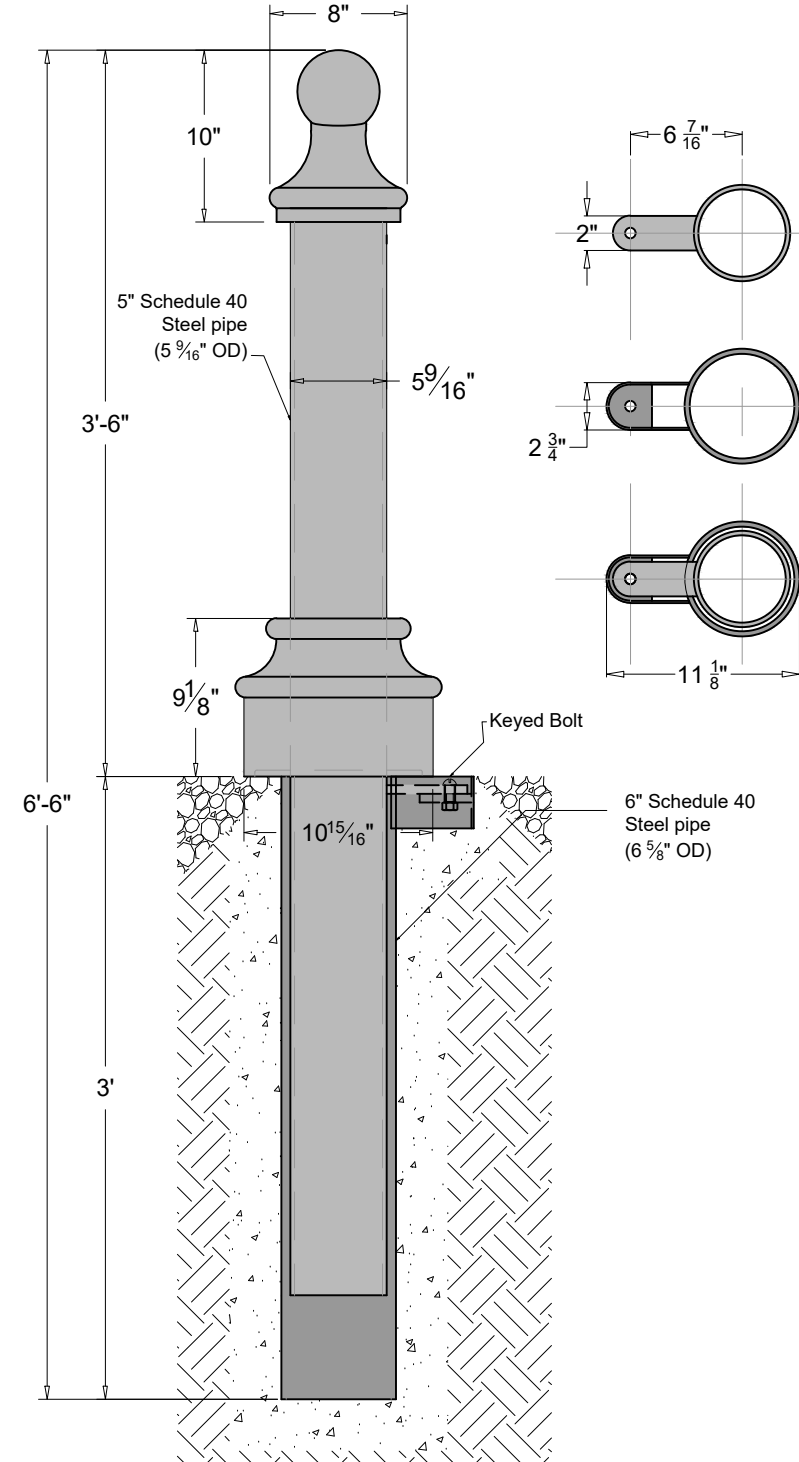


9 TYPICAL STREET REPAIR
N.T.S.



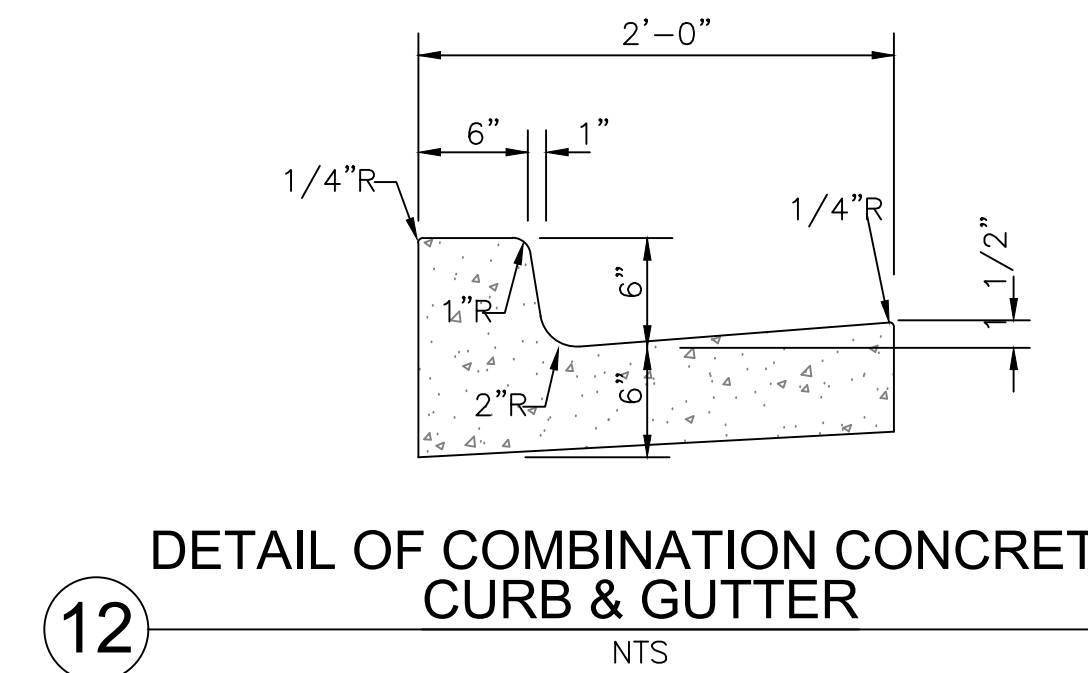
10 TYPICAL BOLLARD DETAIL
N.T.S.

BOLLARDS SHALL BE "HAMPTON 'B' - SMOOTH SHAFT - DIRECT BURIAL" BY ARCHITECTURAL IRON COMPANY, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.

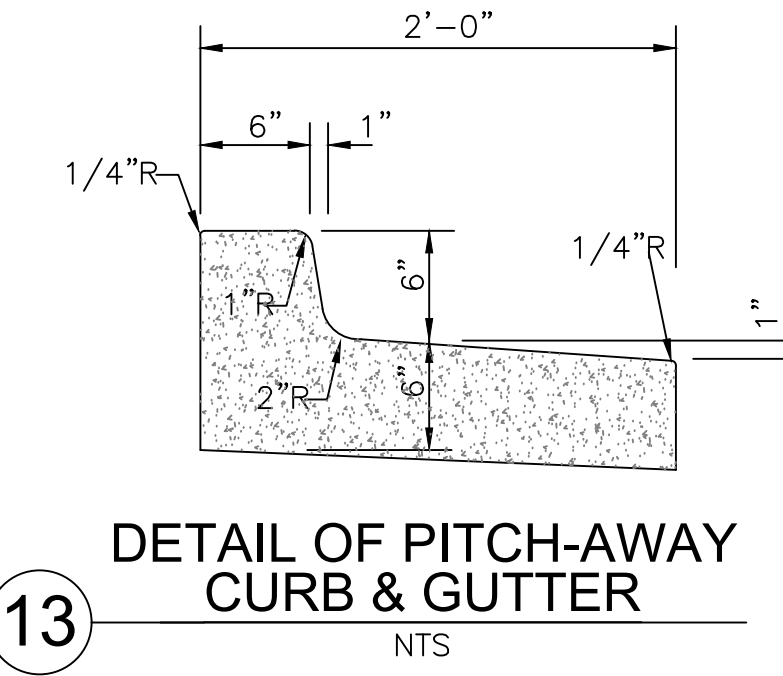


11 TYPICAL BOLLARD DETAIL
N.T.S.

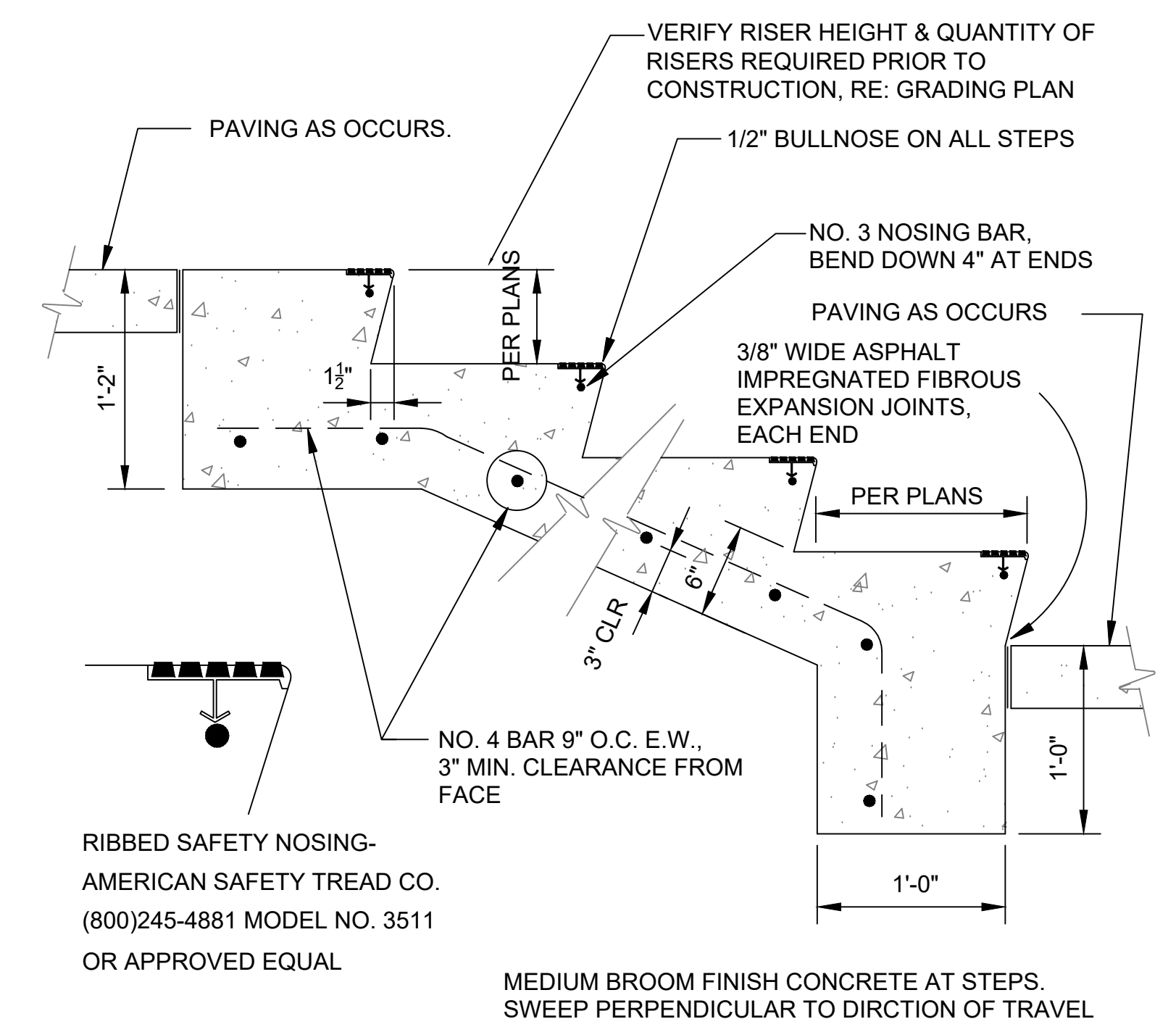
BOLLARDS SHALL BE "HAMPTON 'B' - SMOOTH SHAFT - REMOVABLE/LOCKABLE" BY ARCHITECTURAL IRON COMPANY, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.



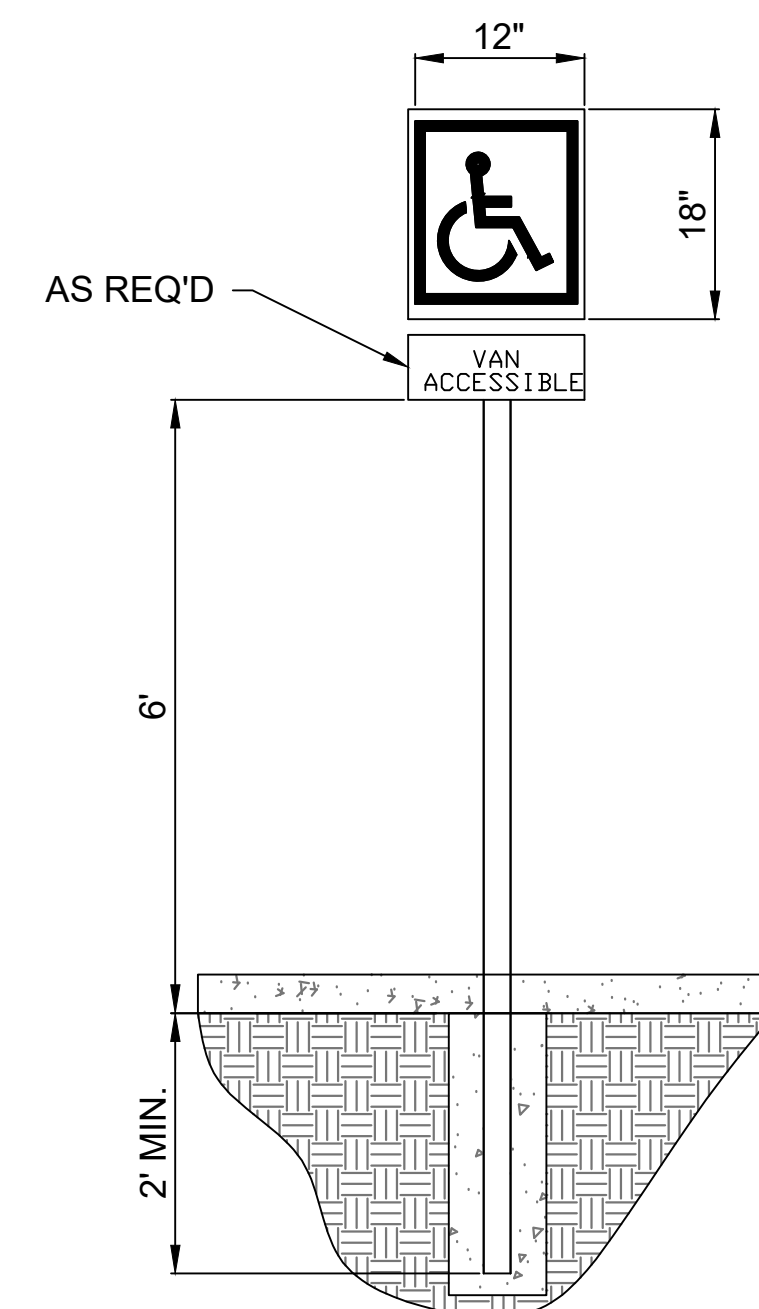
12 DETAIL OF COMBINATION CONCRETE CURB & GUTTER
N.T.S.



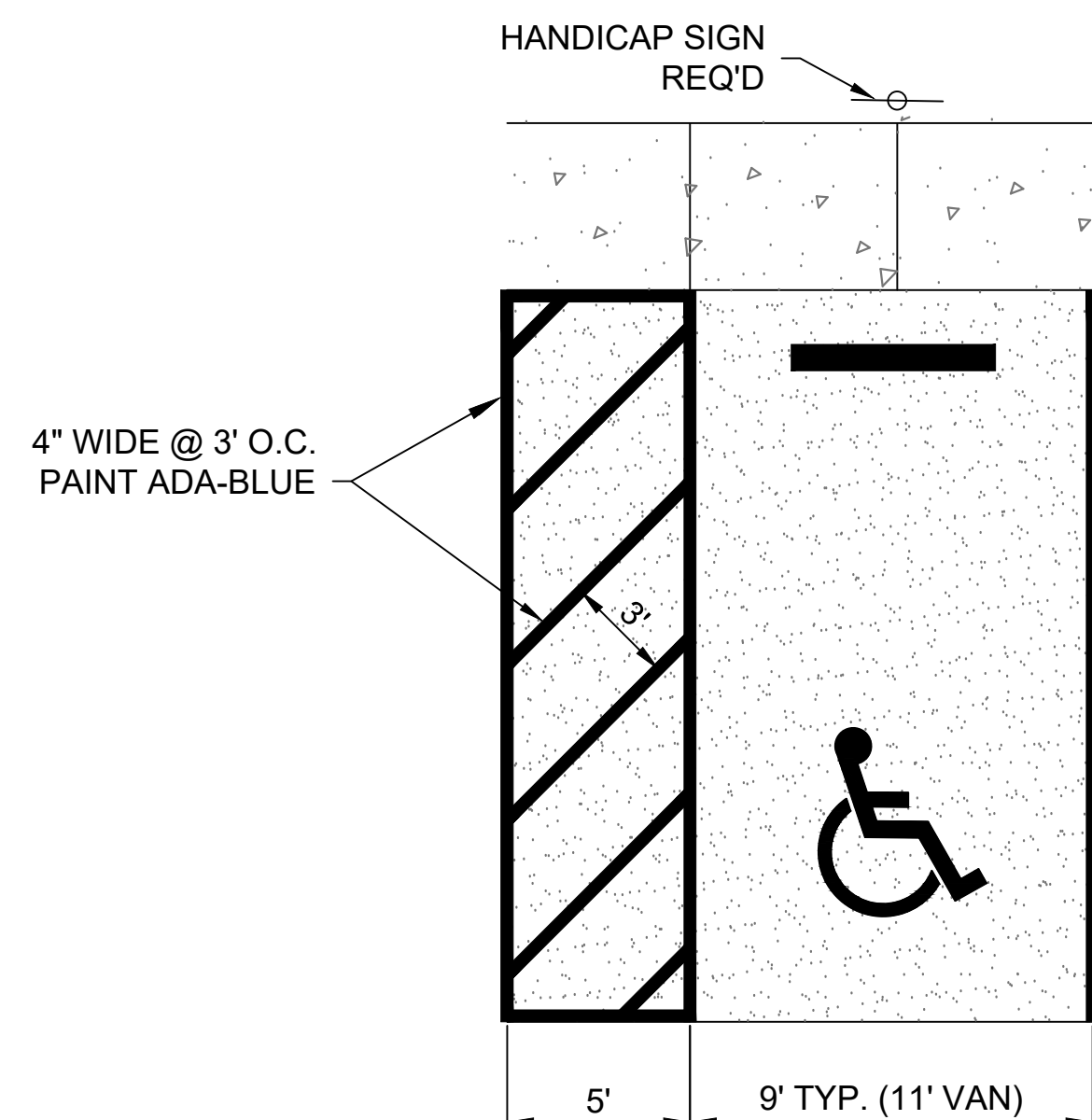
13 DETAIL OF PITCH-AWAY CURB & GUTTER
N.T.S.



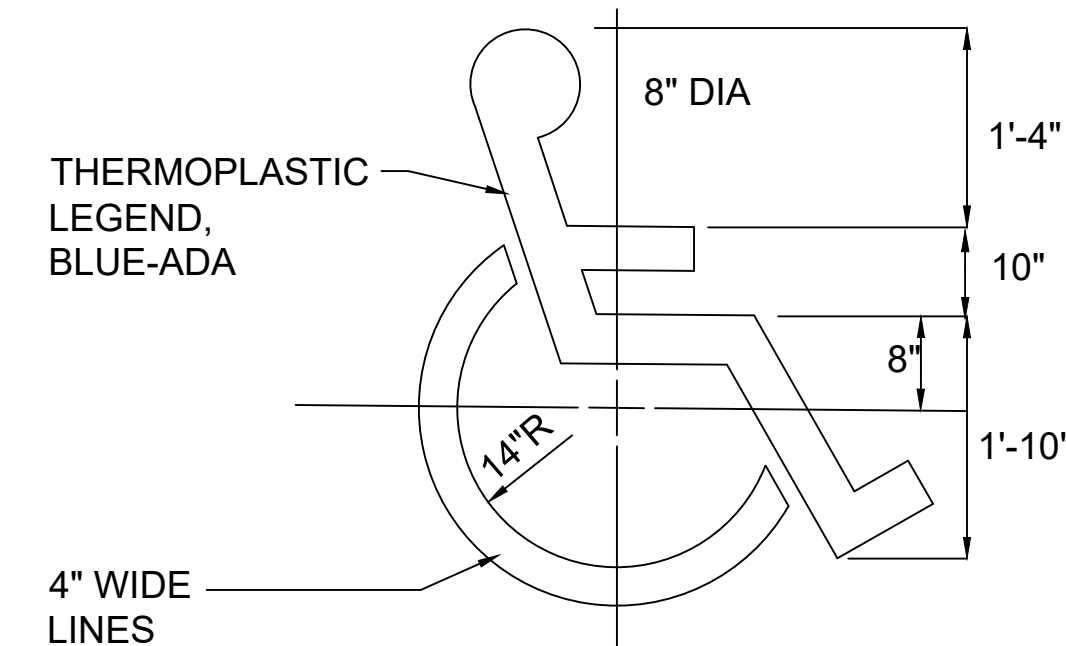
15 CONCRETE STAIRS
N.T.S.



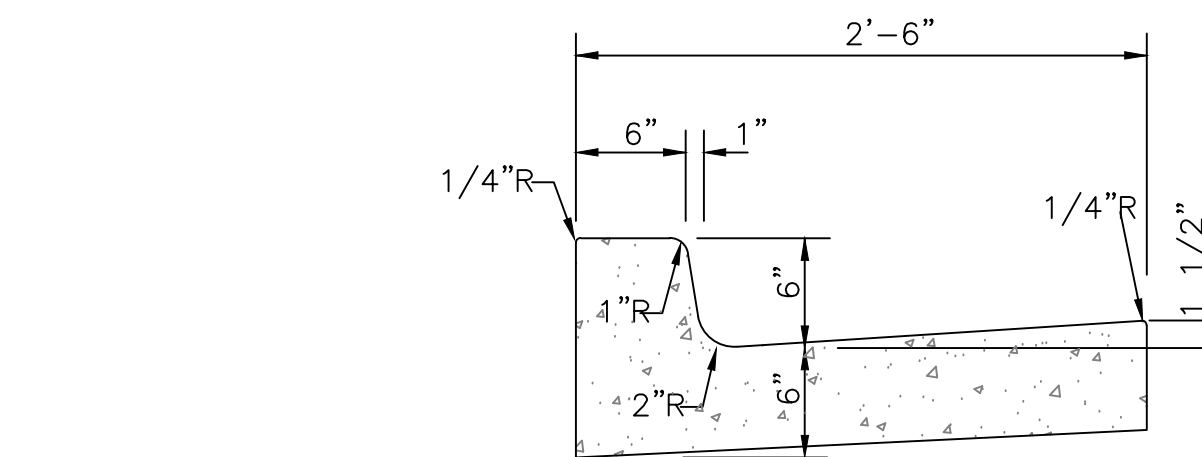
16 H/C ACCESSIBILITY SIGNAGE DETAIL
N.T.S.



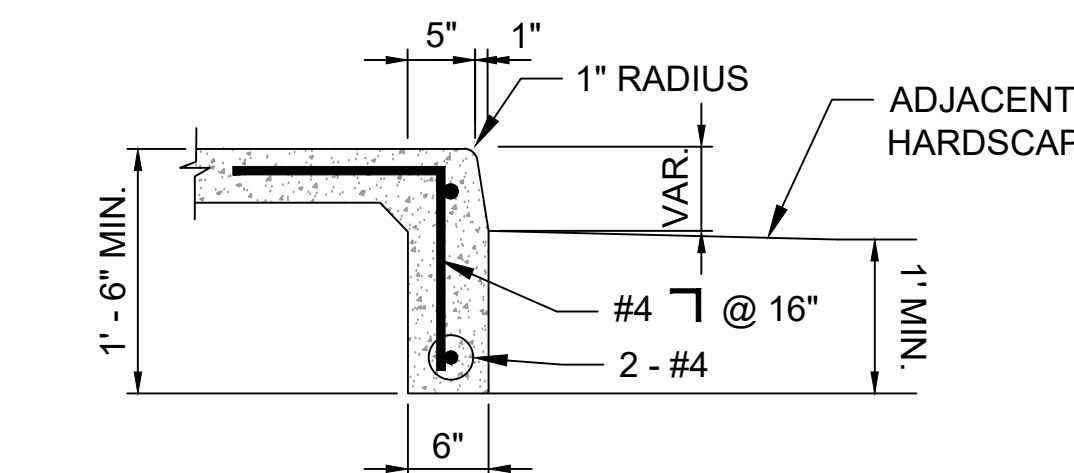
17 HANDICAP PARKING DETAIL
N.T.S.



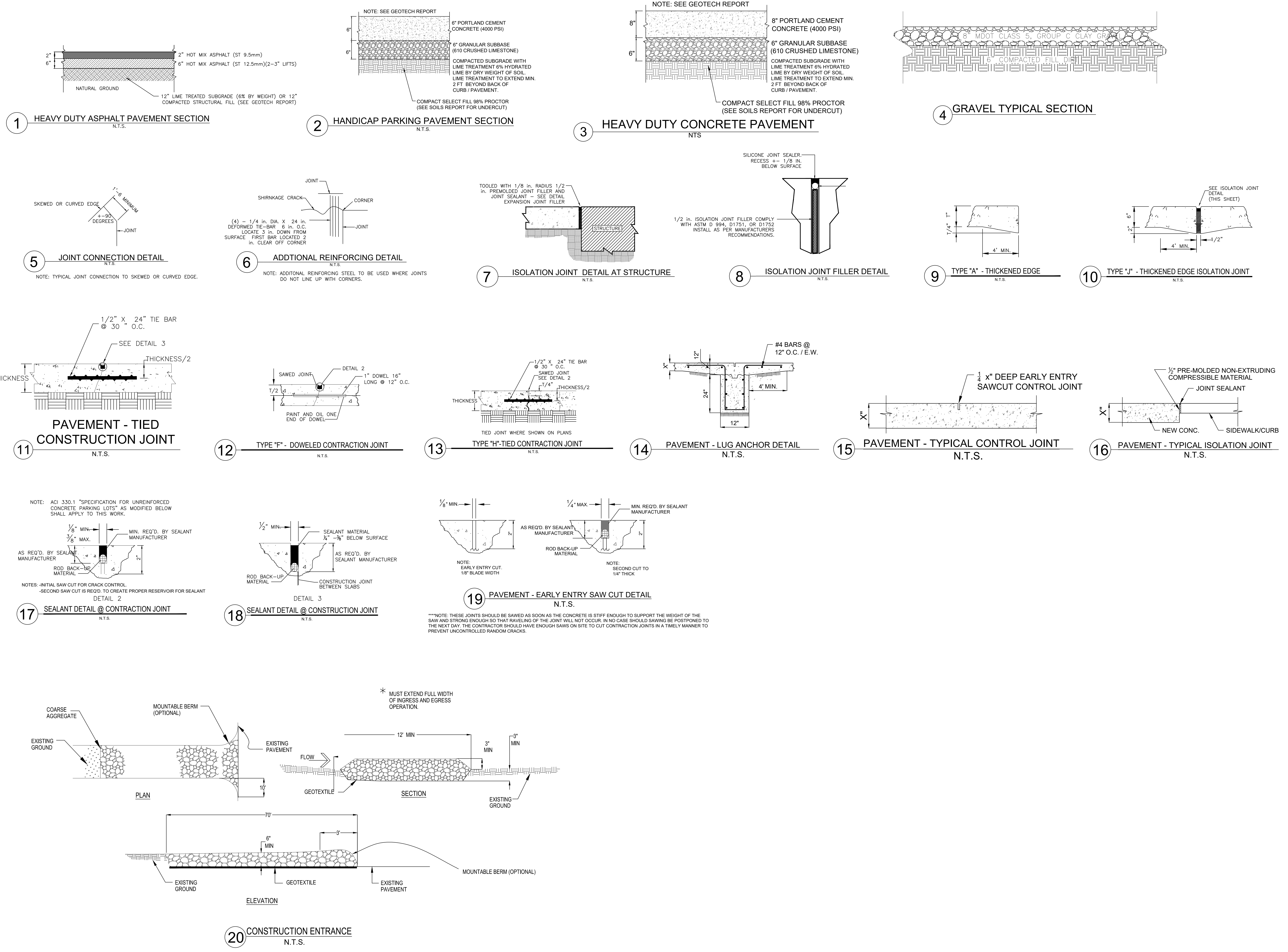
18 HANDICAP SYMBOL
N.T.S.



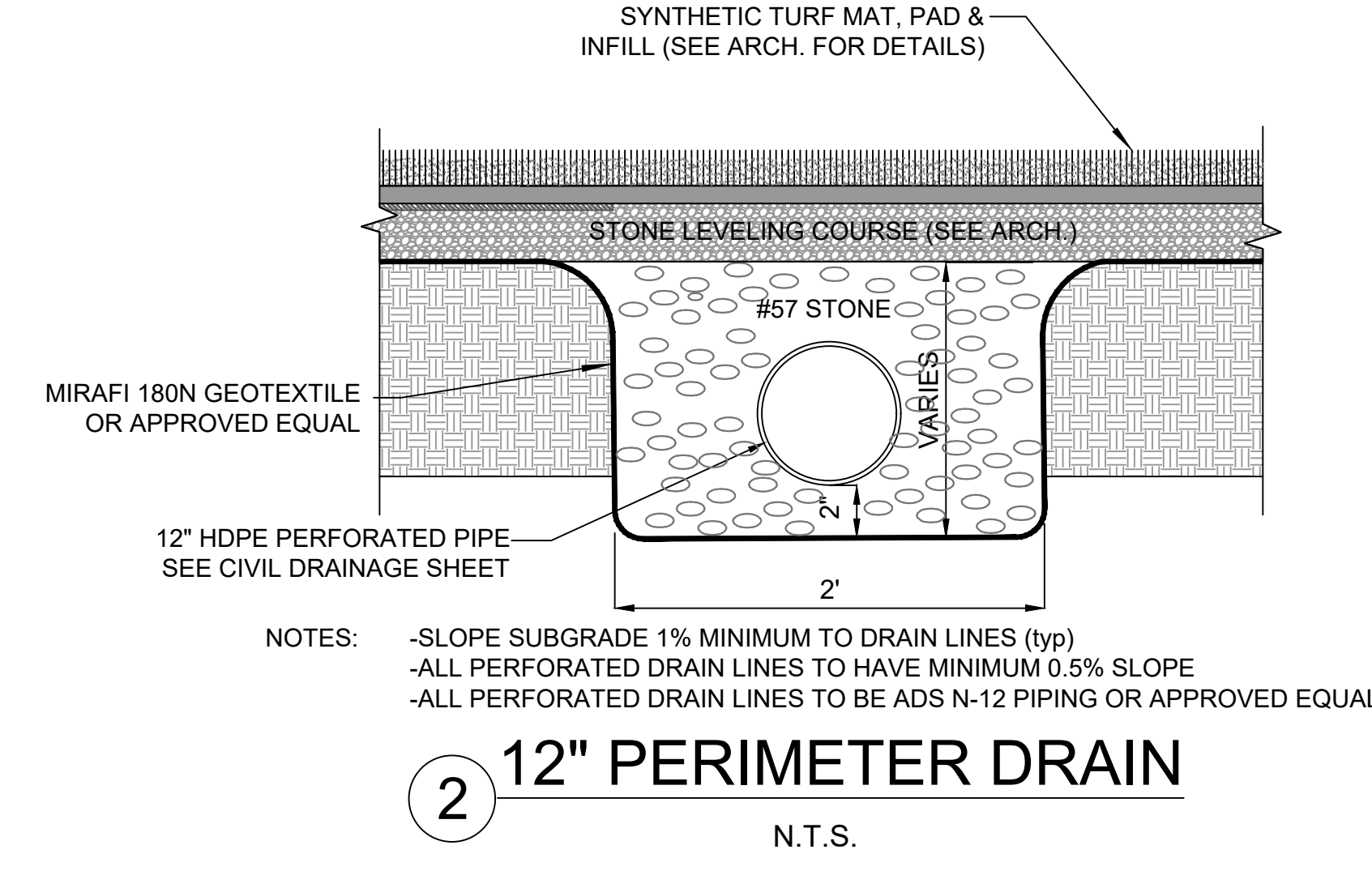
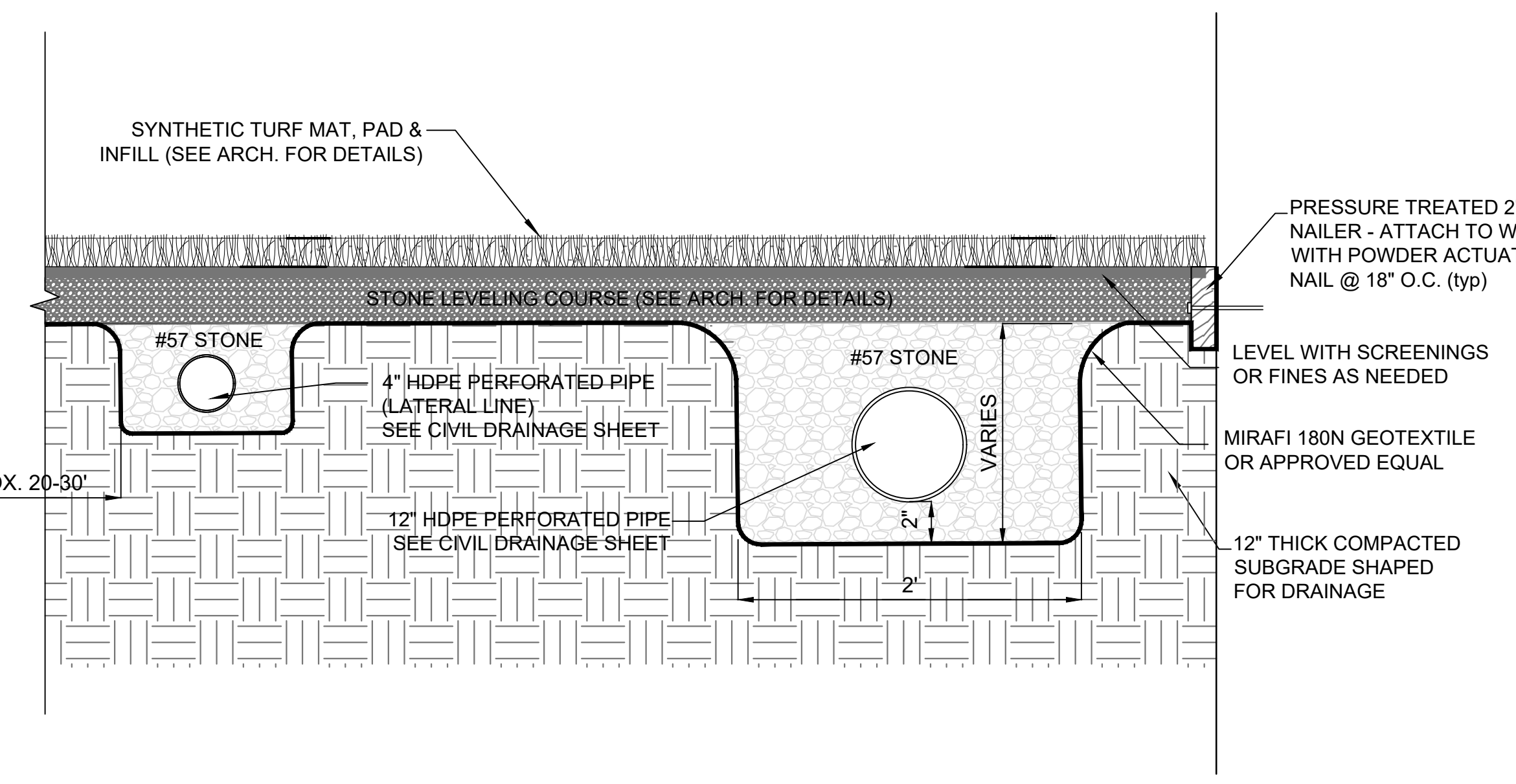
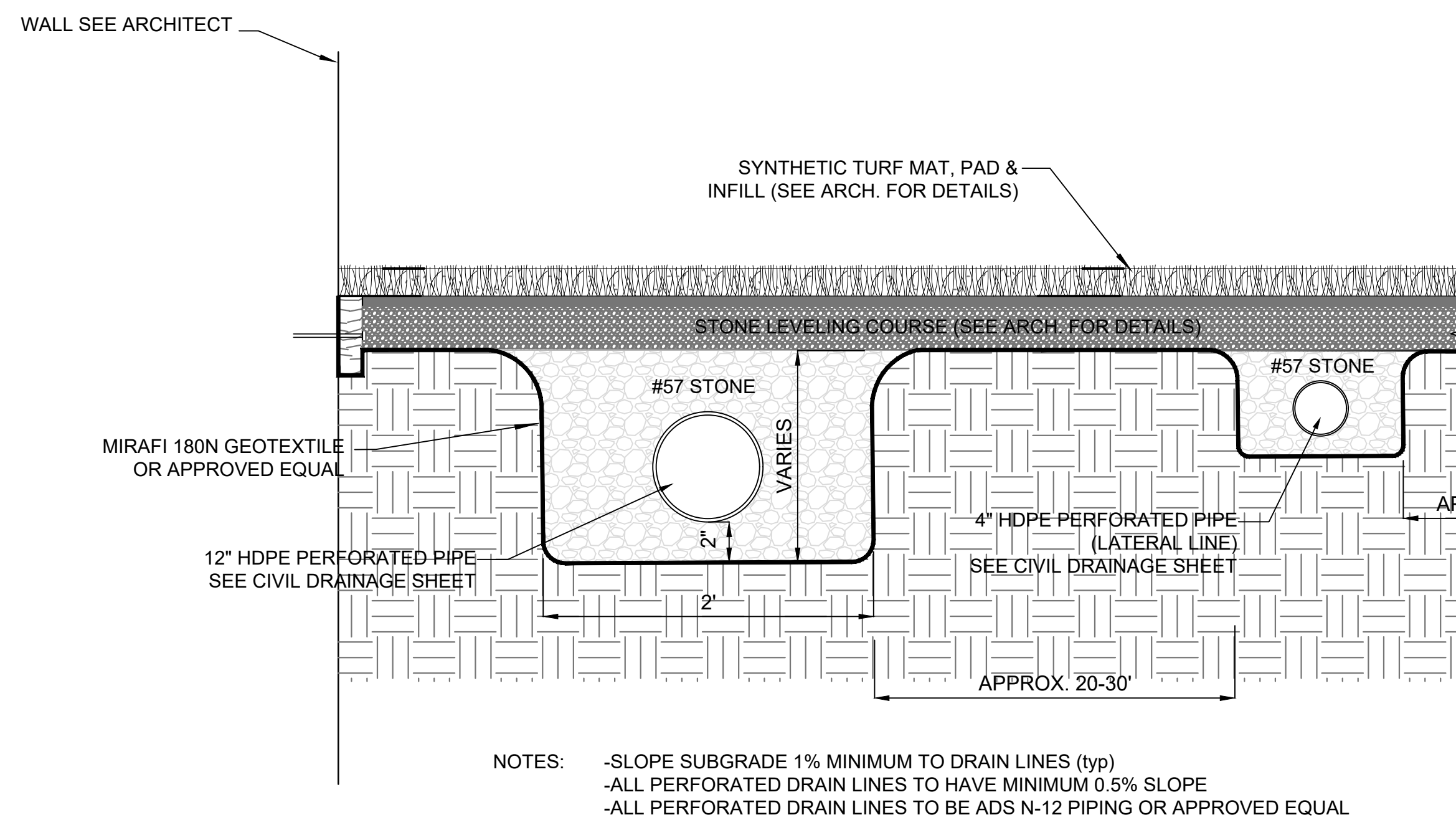
14 DETAIL OF COMBINATION CONCRETE CURB & GUTTER (MODIFIED)
N.T.S.



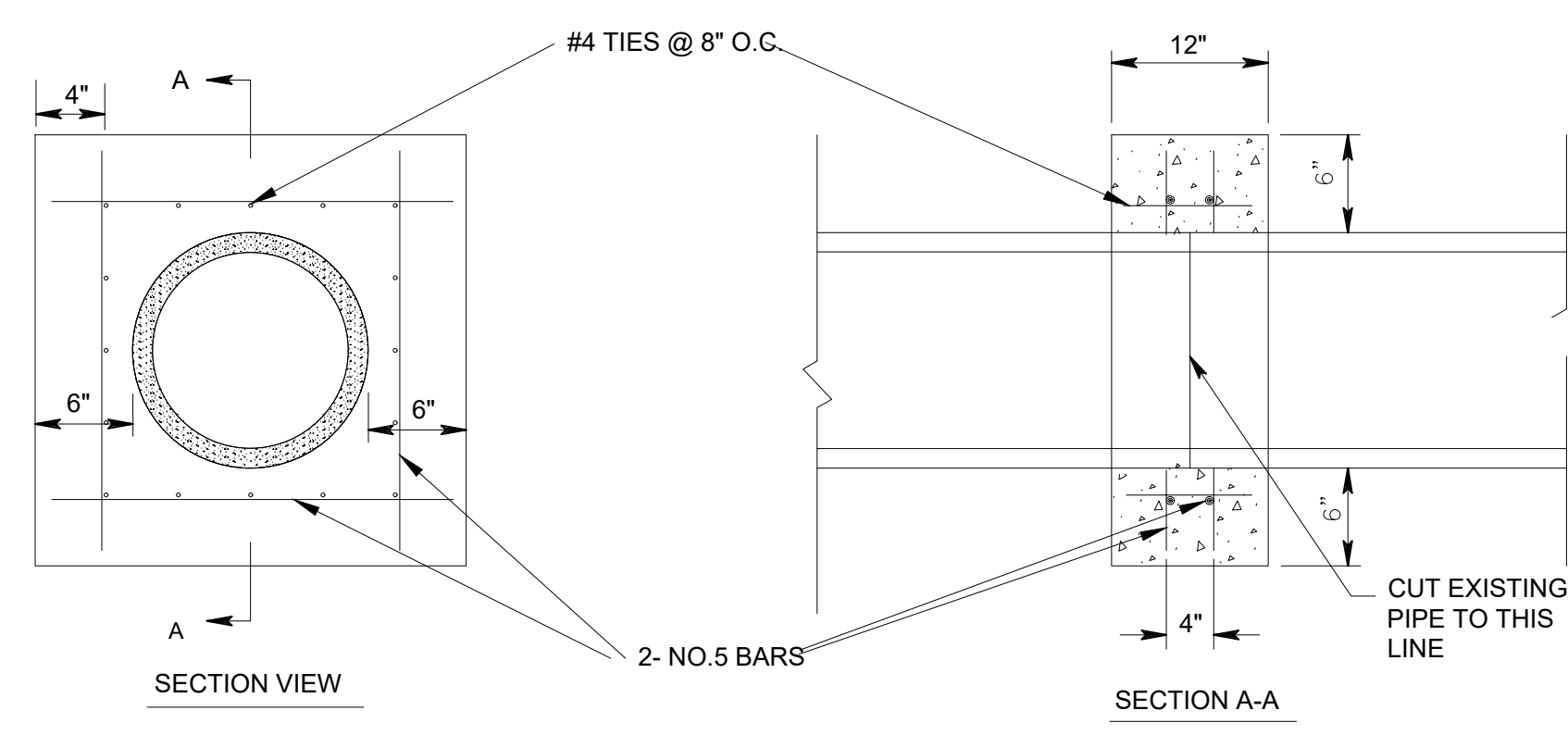
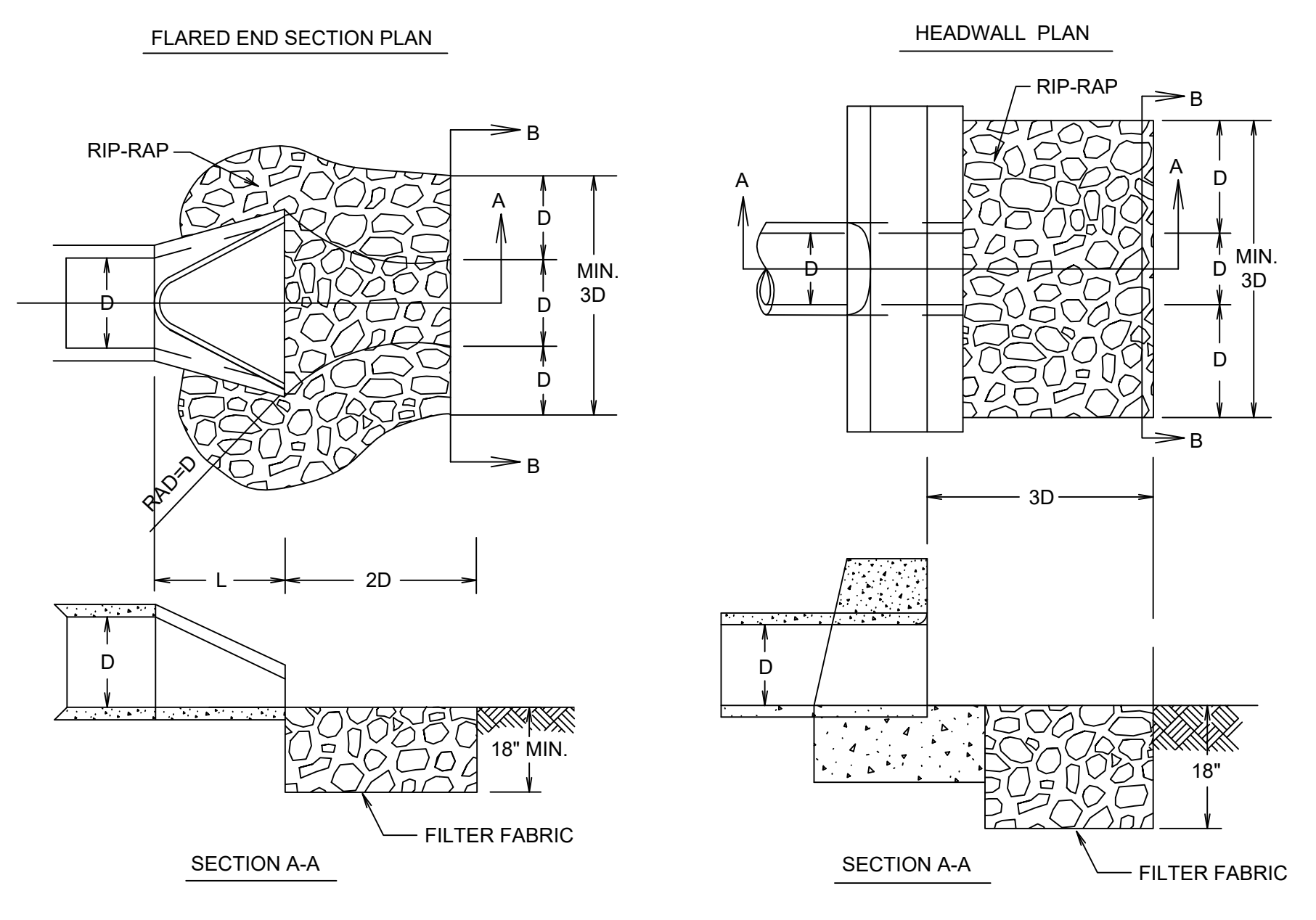
19 CONCRETE SIDEWALK W/ TURNDOWN
N.T.S.



V:\Data Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\Construction Details_Meridian.dwg/19/2023 2:58 PM

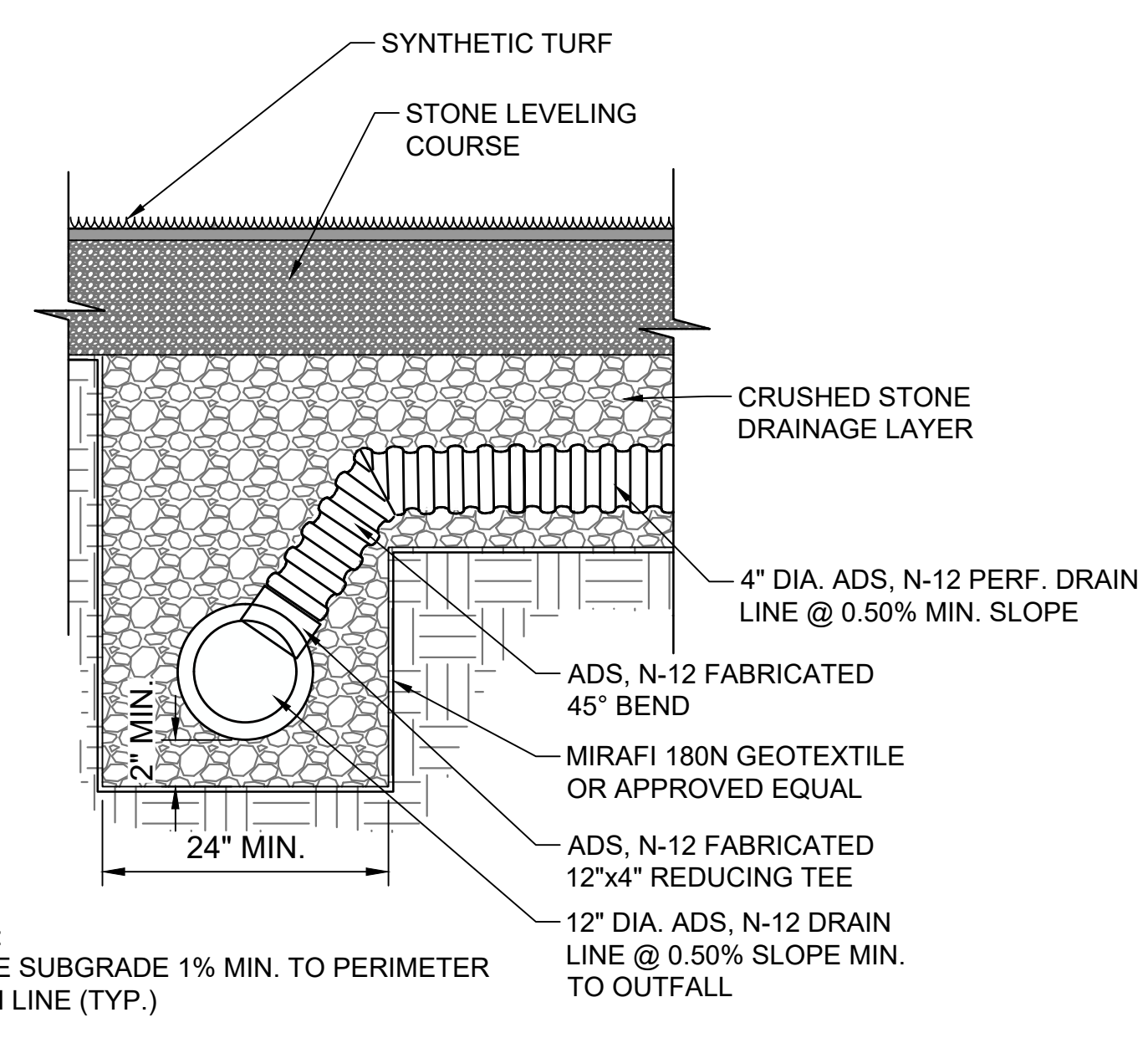


1 FIELD DRAIN LAYOUT
N.T.S.

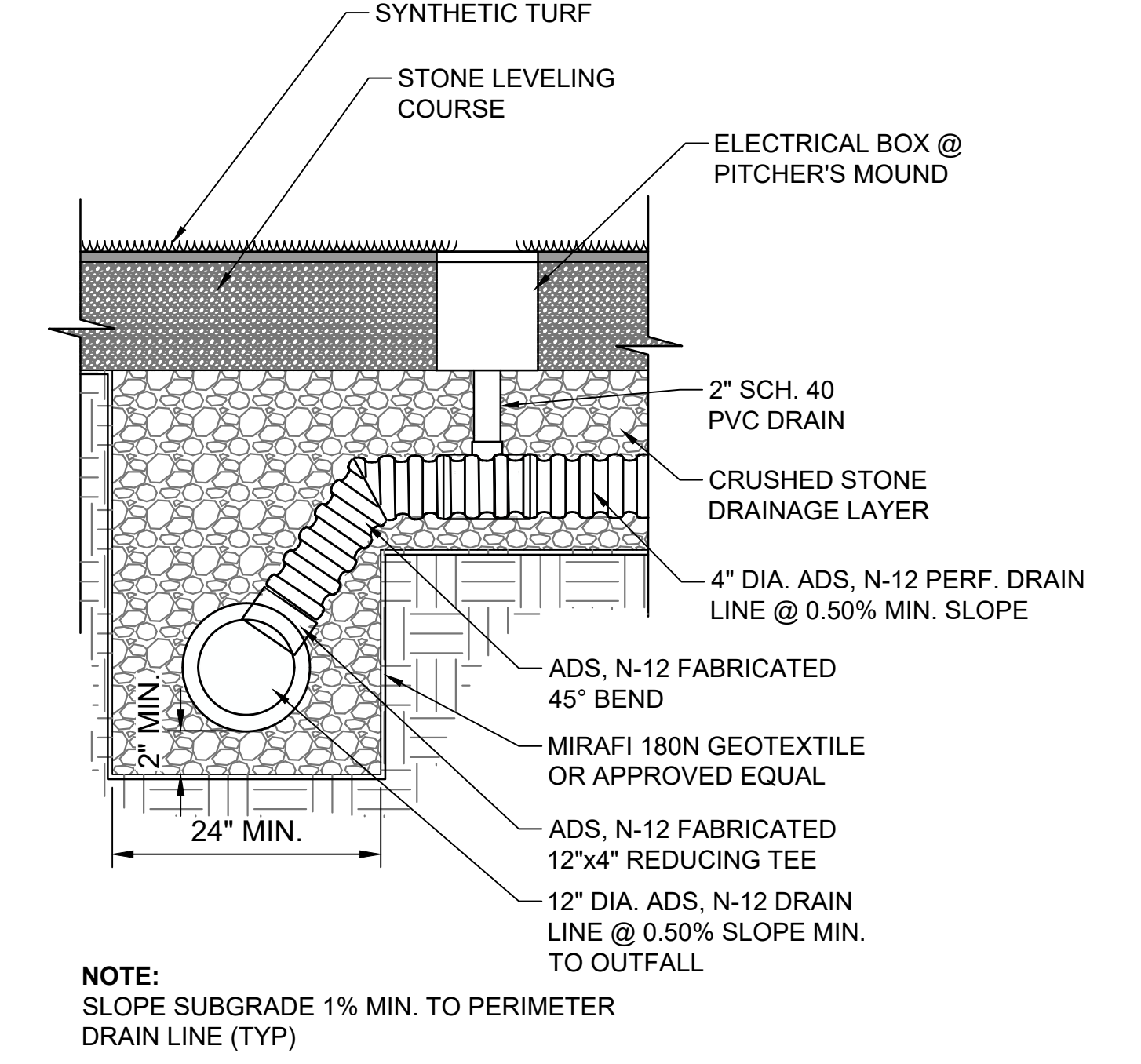


CONCRETE COLLAR NOTES:
1. PIPE COLLARS SHALL ONLY BE USED AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
2. 8 OZ. GEOTEXTILE FABRIC SHALL BE WRAPPED AROUND THE PIPE COLLAR PRIOR TO BACKFILLING WITH ONE CONTINUOUS PIECE OF FABRIC OVERLAPPING 12" ON BOTH SIDES OF PIPE.

4 CONCRETE PIPE COLLAR
SCALE: N.T.S.

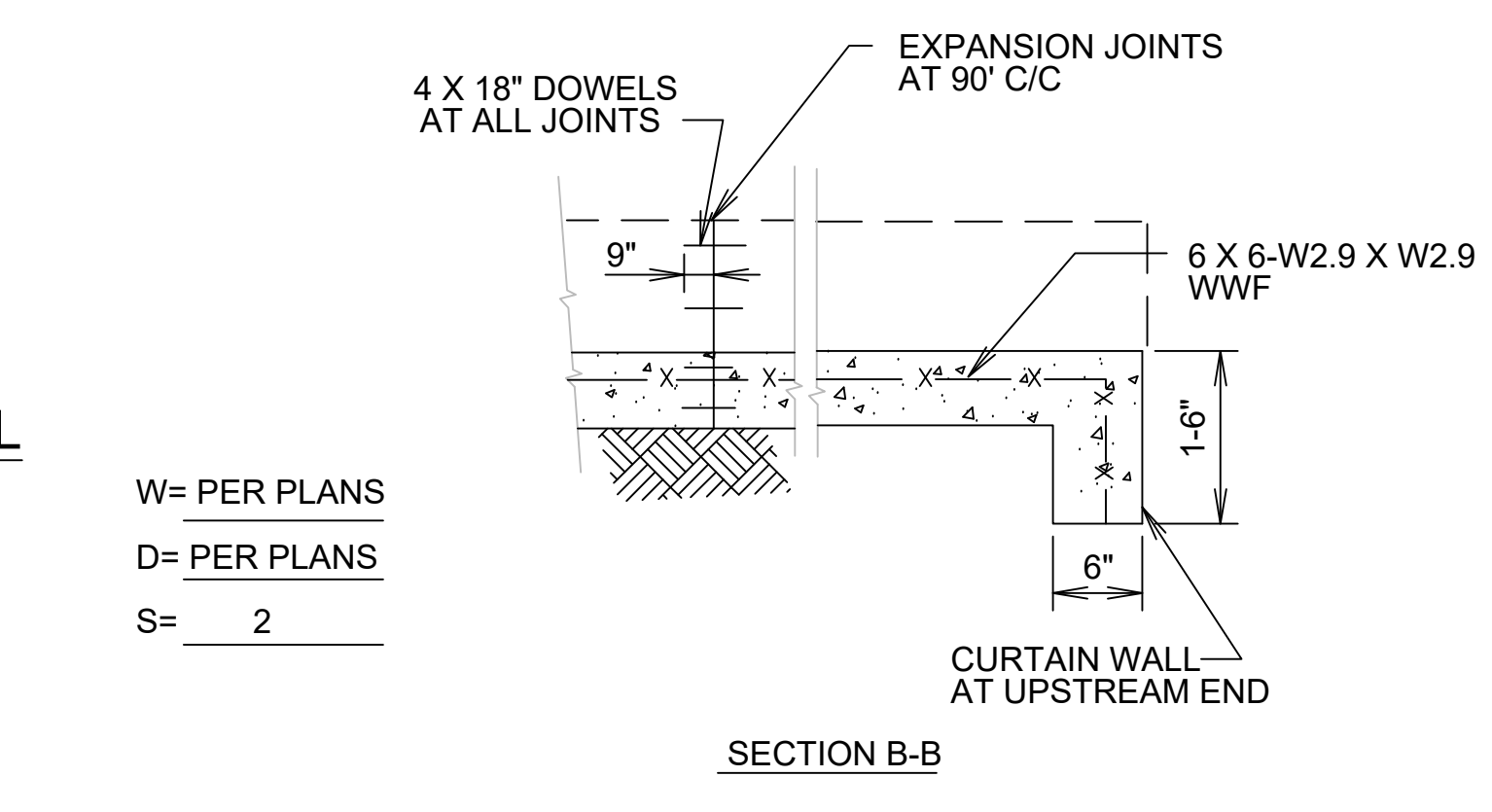
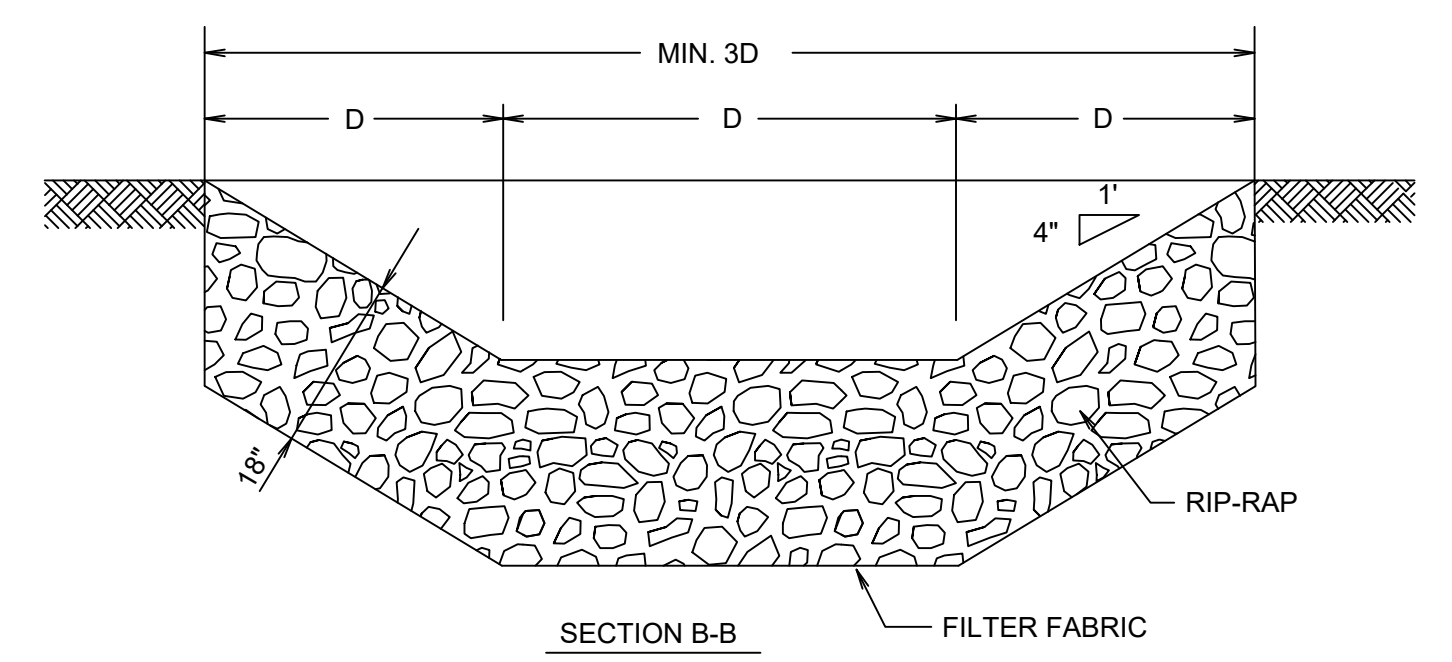


5 DRAIN LINE LATERAL CONNECTIONS
N.T.S.

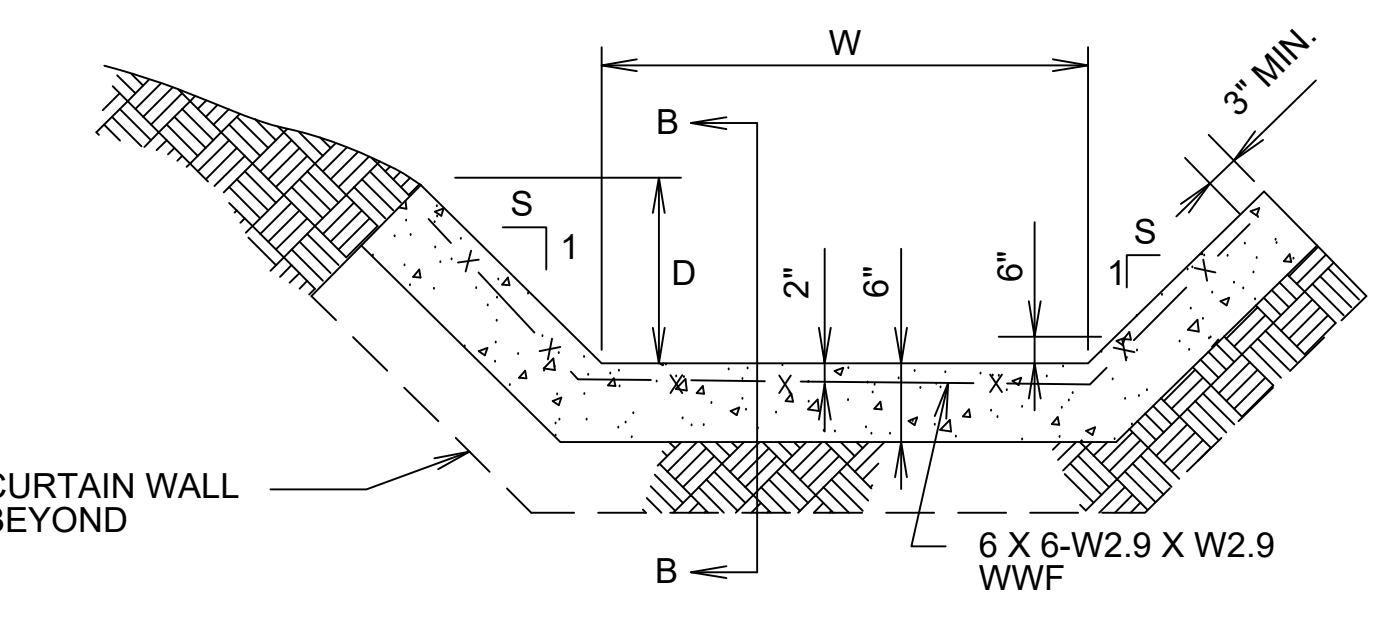


6 DRAIN AT PITCHER'S MOUND
N.T.S.

3 INLET AND/OR DISCHARGE AREA EROSION CONTROL DETAIL
N.T.S.

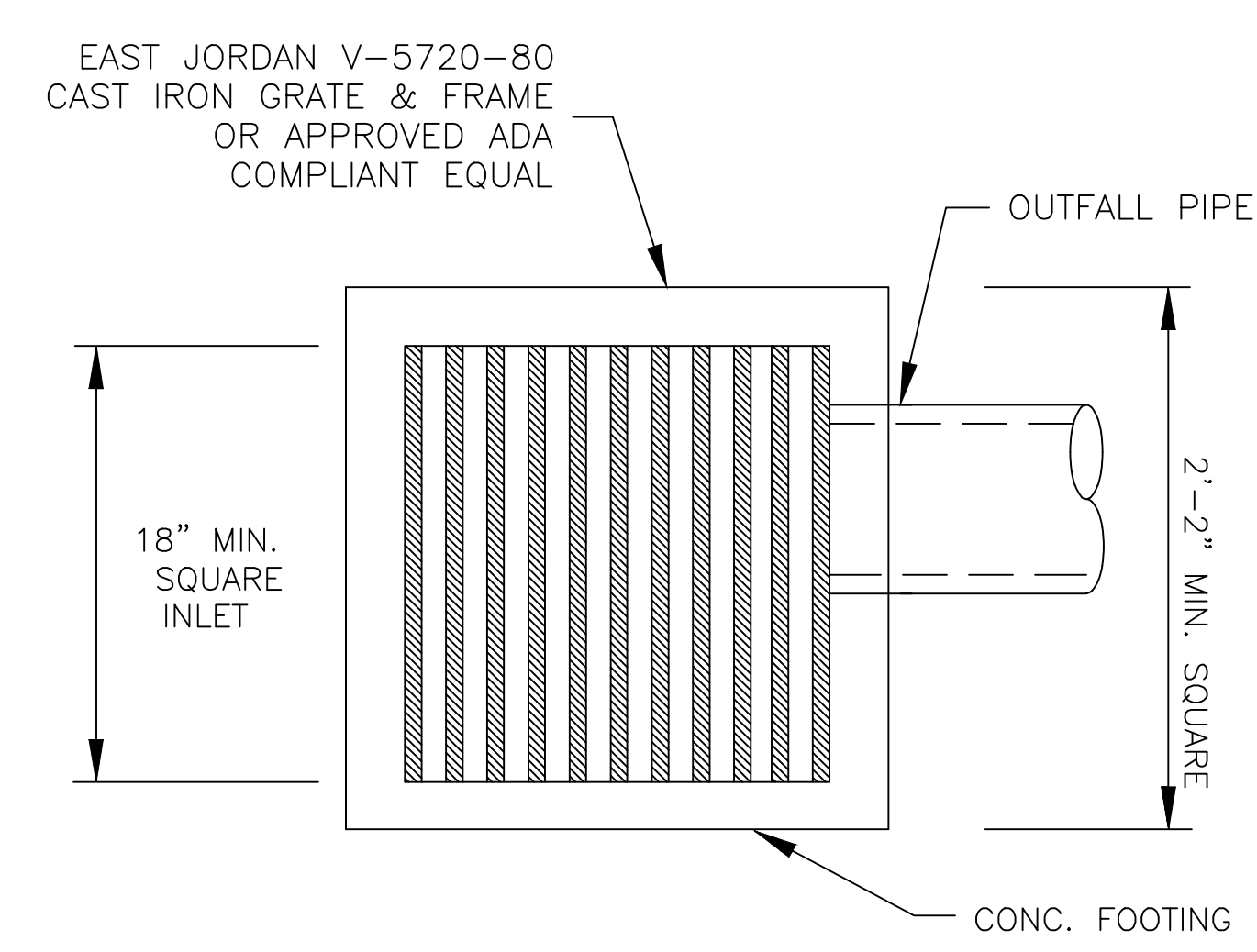
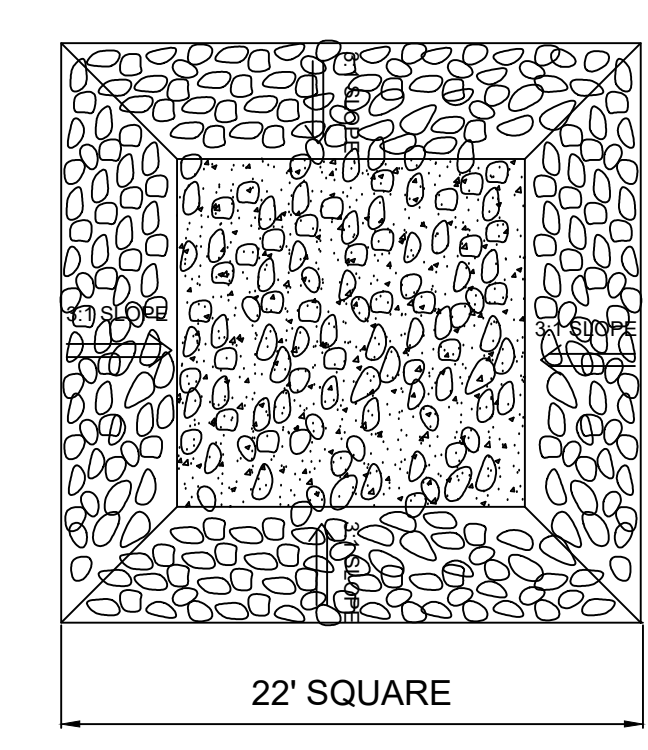


W= PER PLANS
D= PER PLANS
S= 2

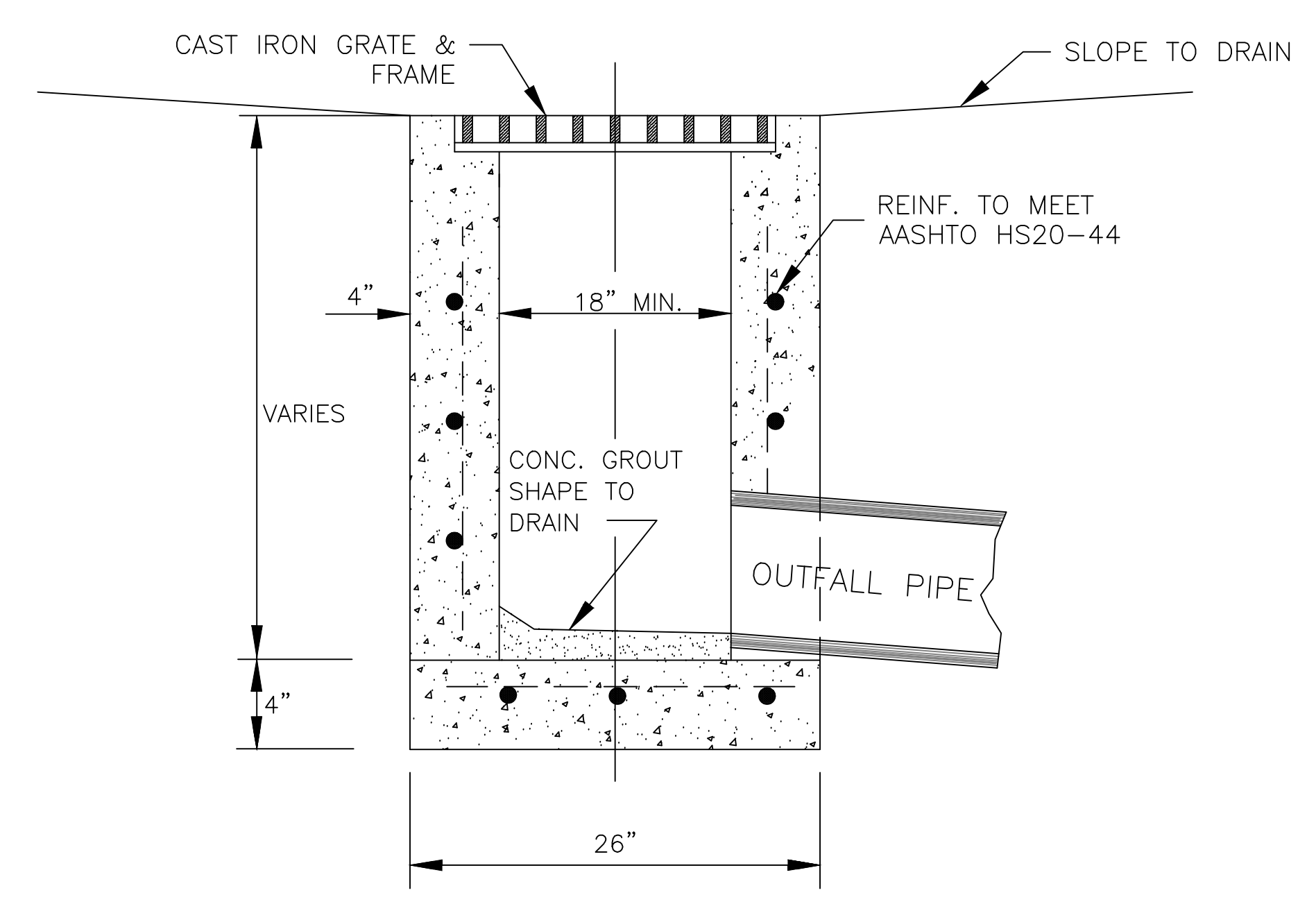


8 PAVED DITCH
N.T.S.

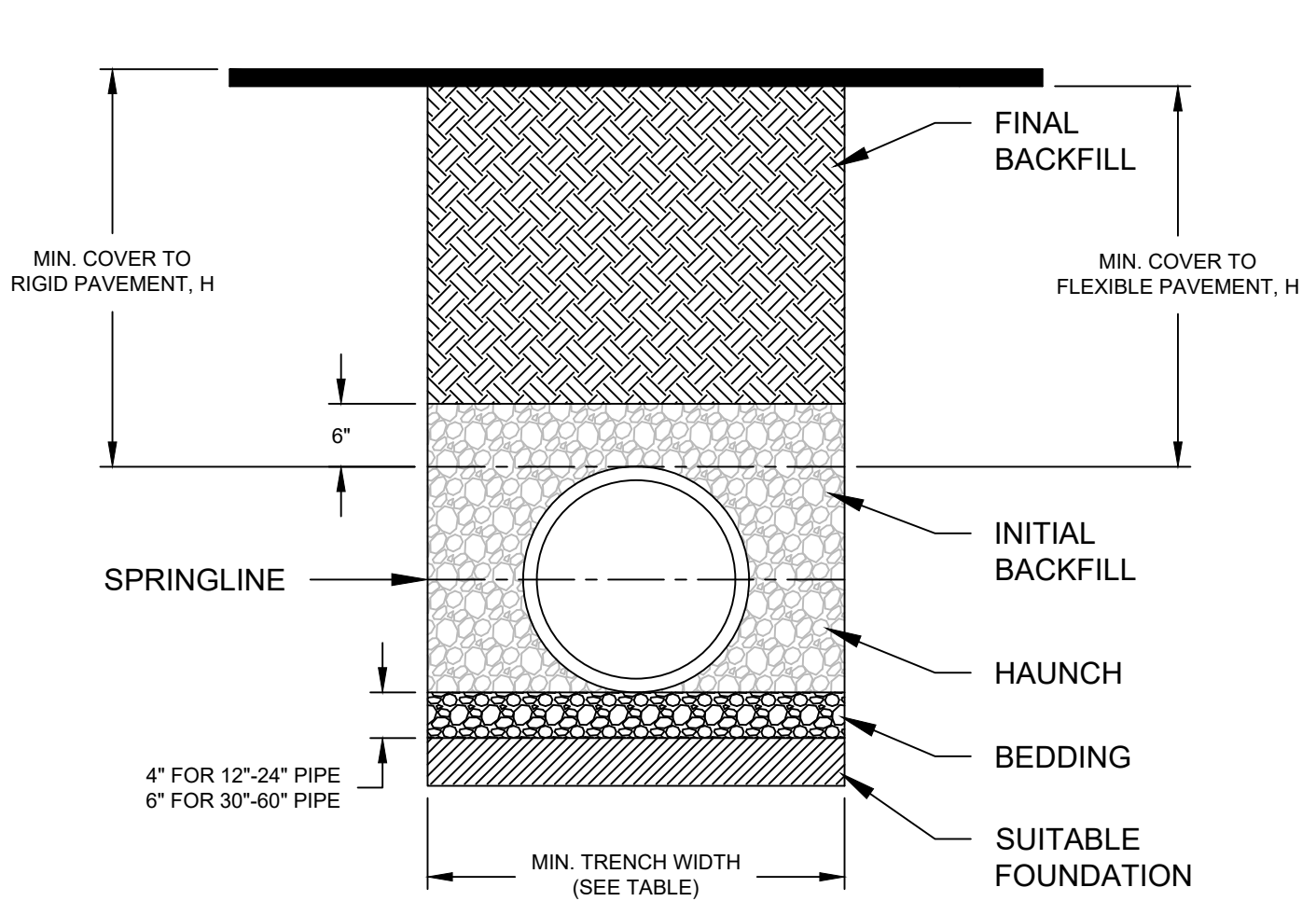
7 PLUNGE POOL DETAIL
N.T.S.



9 TYPE "A" INLET - PLAN VIEW
N.T.S.



10 TYPE "A" INLET - SECTION
N.T.S.



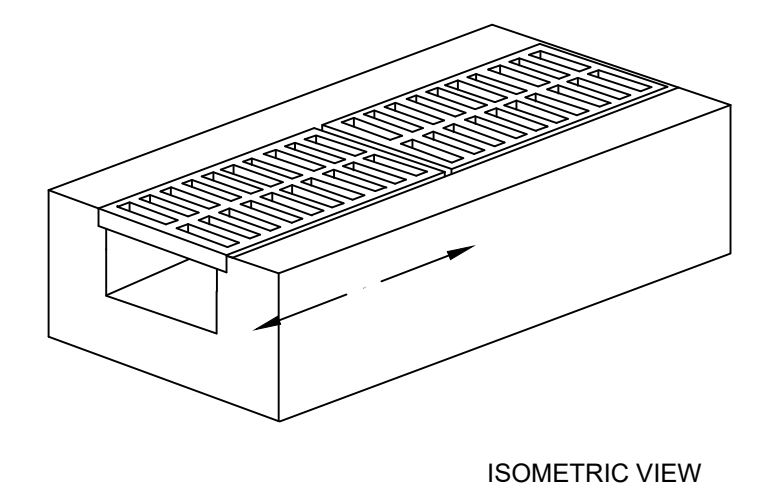
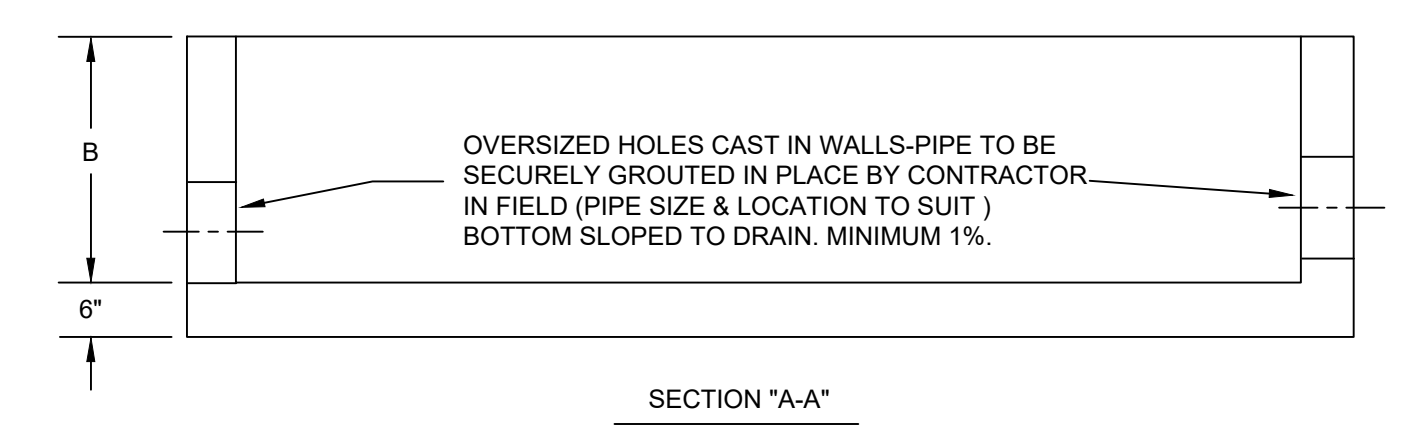
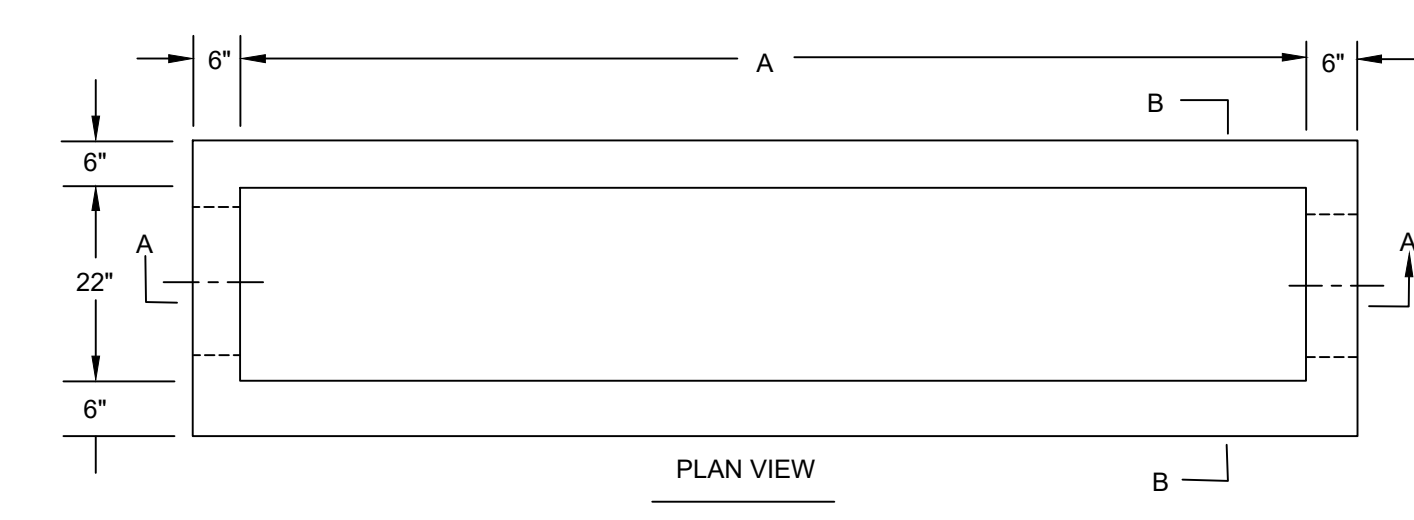
PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
(100mm)	(533mm)
6"	23"
(150mm)	(584mm)
8"	26"
(200mm)	(660mm)
10"	28"
(250mm)	(711mm)
12"	30"
(300mm)	(762mm)
15"	34"
(375mm)	(864mm)
18"	39"
(450mm)	(991mm)
24"	48"
(600mm)	(1219mm)
30"	56"
(750mm)	(1422mm)
36"	64"
(900mm)	(1626mm)
42"	72"
(1050mm)	(1829mm)
48"	80"
(1200mm)	(2032mm)
60"	96"
(1500mm)	(2438mm)

- NOTES:**
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
 - INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

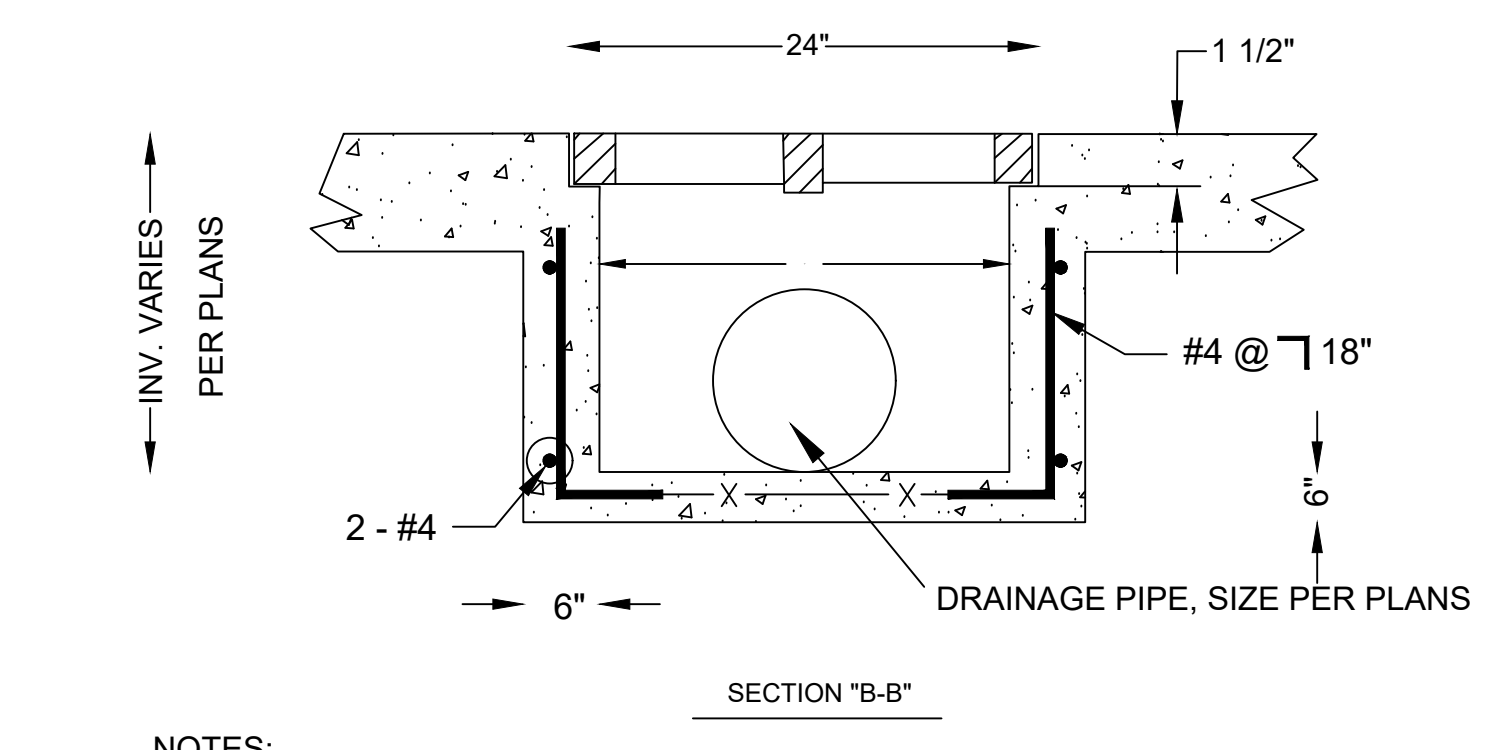
1 PLASTIC PIPE INSTALLATION
NTS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION		
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *	
12" - 48"	12"	48"	
(300mm - 1200mm)	(305mm)	(1219mm)	
60"	24"	60"	
(1500mm)	(610mm)	(1524mm)	

PIPE DIAM.	CLASS I		CLASS II		CLASS III	
	COMPACTED	DUMPED	95%	90%	95%	95%
4"	37	18	25	18	18	18
(100mm)	(11.3m)	(5.5m)	(7.6m)	(5.5m)	(5.5m)	(5.5m)
6"	44	20	29	20	21	21
(150mm)	(13.4m)	(6.1m)	(8.8m)	(6.1m)	(6.4m)	(6.4m)
8"	32	15	22	15	16	16
(200mm)	(9.8m)	(4.6m)	(6.7m)	(4.6m)	(4.9m)	(4.9m)
10"	38	18	26	18	18	18
(250mm)	(11.6m)	(5.5m)	(7.9m)	(5.5m)	(5.5m)	(5.5m)
12"	35	17	24	17	17	17
(300mm)	(10.7m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)	(5.2m)
15"	38	17	25	17	18	18
(375mm)	(11.6m)	(5.2m)	(7.6m)	(5.2m)	(5.5m)	(5.5m)
18"	36	17	24	17	17	17
(450mm)	(11.0m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)	(5.2m)
24"	28	13	20	13	14	14
(600mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)	(4.3m)
30"	28	13	20	13	14	14
(750mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)	(4.3m)
36"	26	12	18	13	13	13
(900mm)	(7.9m)	(3.7m)	(5.5m)	(4.0m)	(4.0m)	(4.0m)
42"	23	11	16	11	11	11
(1050mm)	(7.0m)	(3.4m)	(4.9m)	(3.4m)	(3.4m)	(3.4m)
48"	25	11	17	11	12	12
(1200mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)	(3.7m)
60"	25	11	17	11	12	12
(1500mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)	(3.7m)

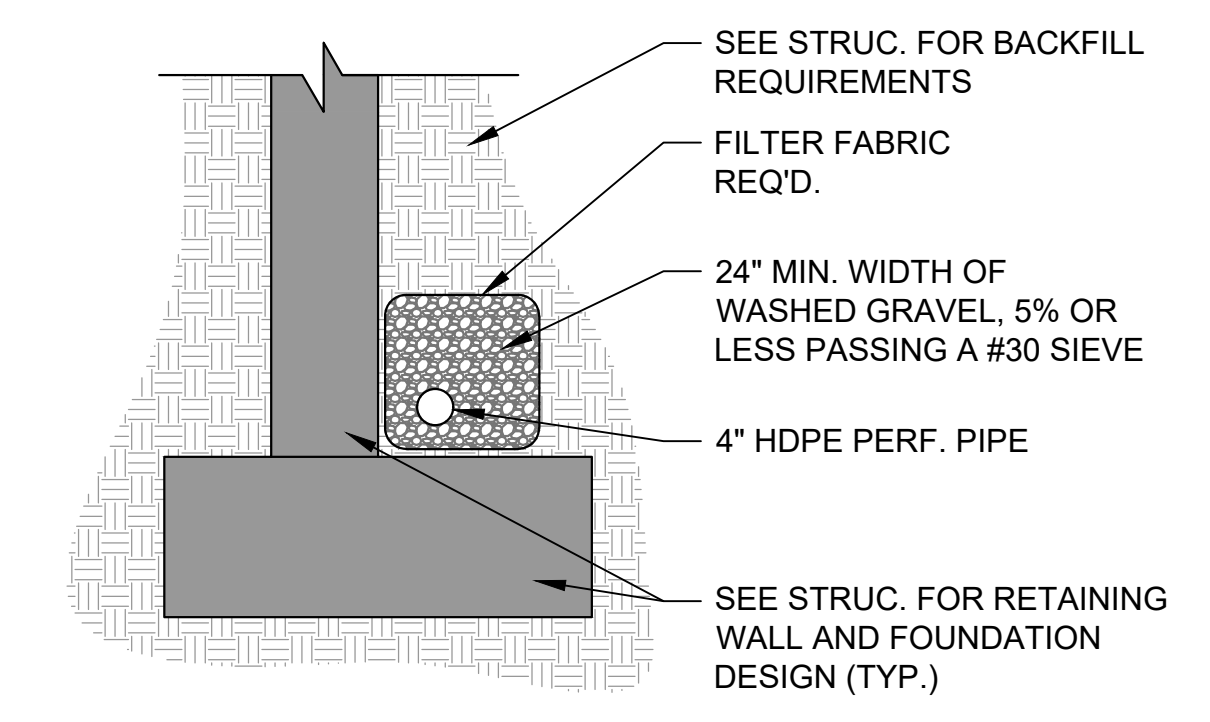


DIMENSION SCHEDULE
A = AS REQ. ON PLANS
B = AS REQ. ON PLANS

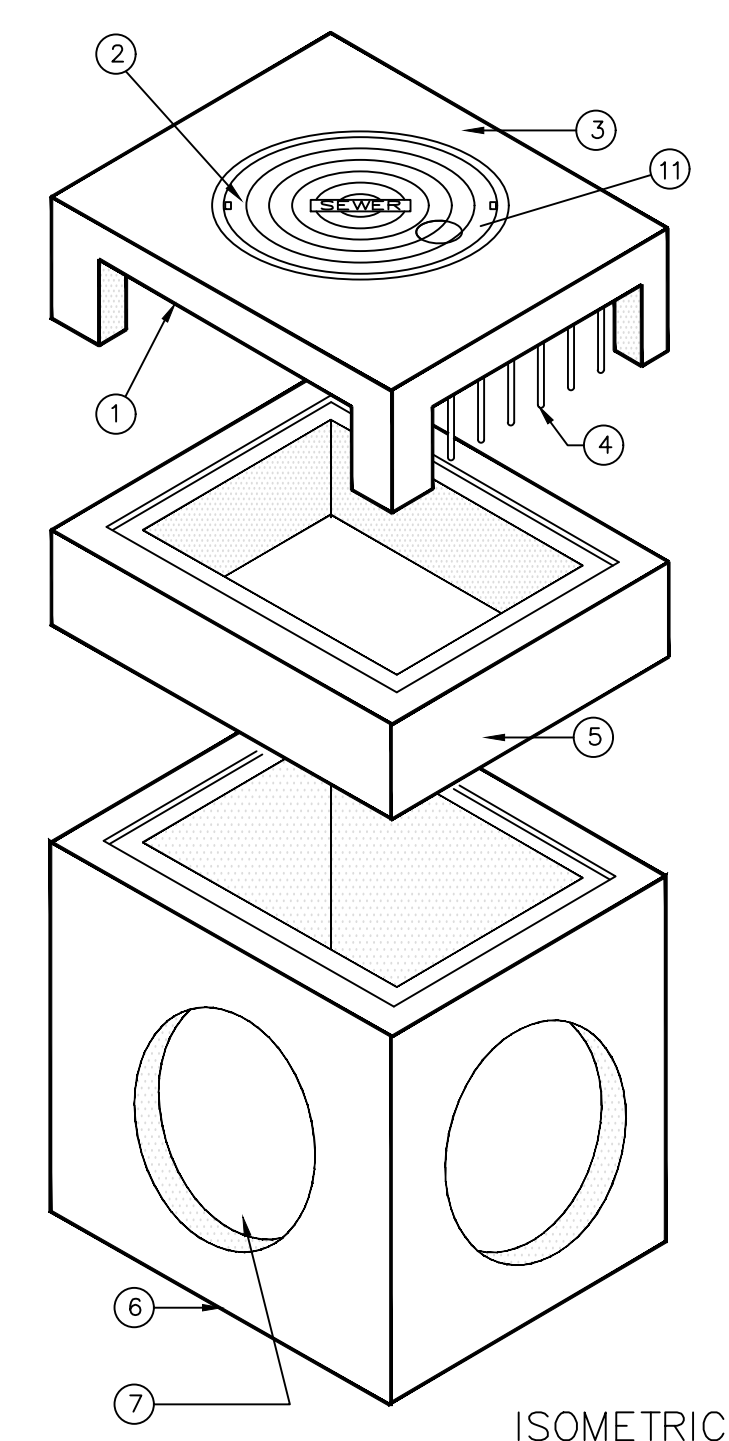


- NOTES:**
- ADA COMPLIANT GRATES TO BE USF 6002 GRATE OR APPROVED EQUAL
 - NON ADA GRATES TO BE USF 6429 GRATE OR APPROVED EQUAL

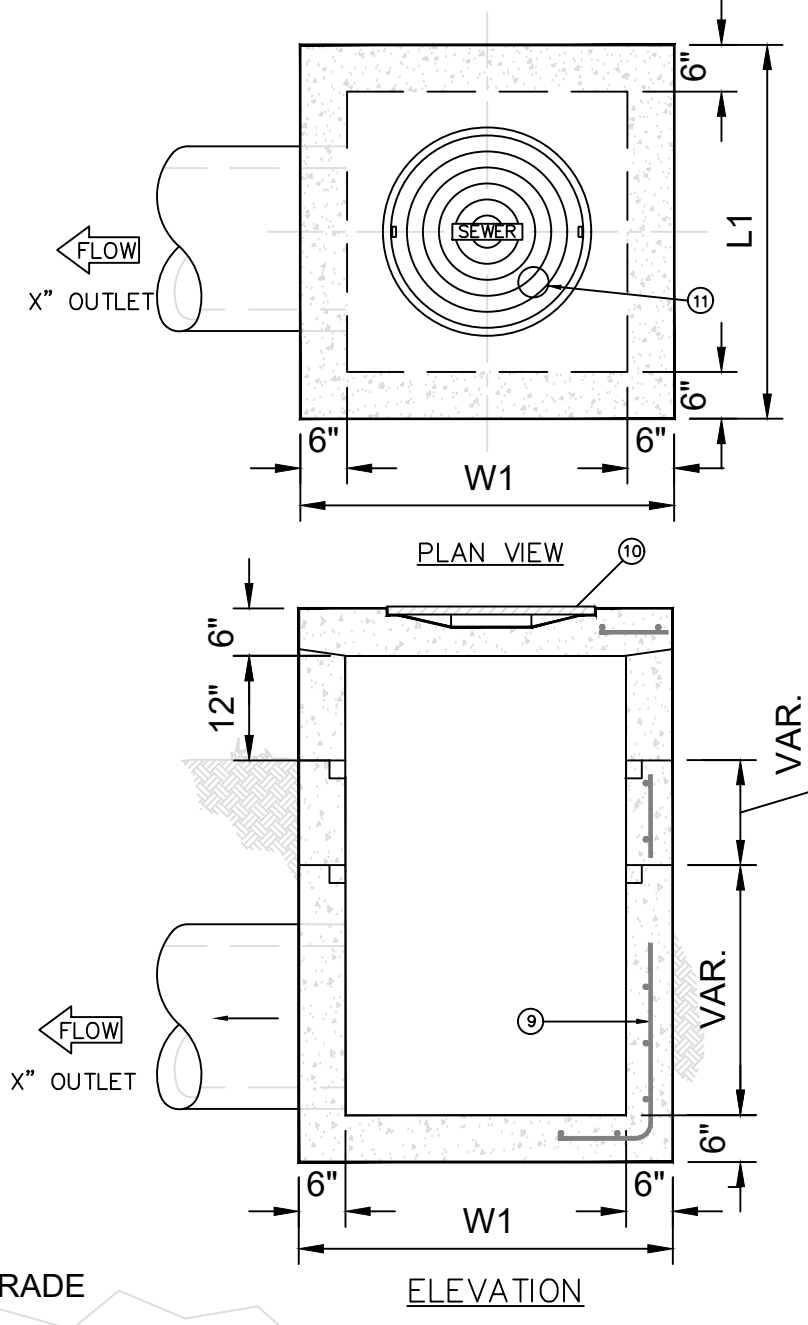
2 TRENCH GRATE DETAIL
NTS



3 FOUNDATION DRAINAGE DETAIL (TYP.)
NTS

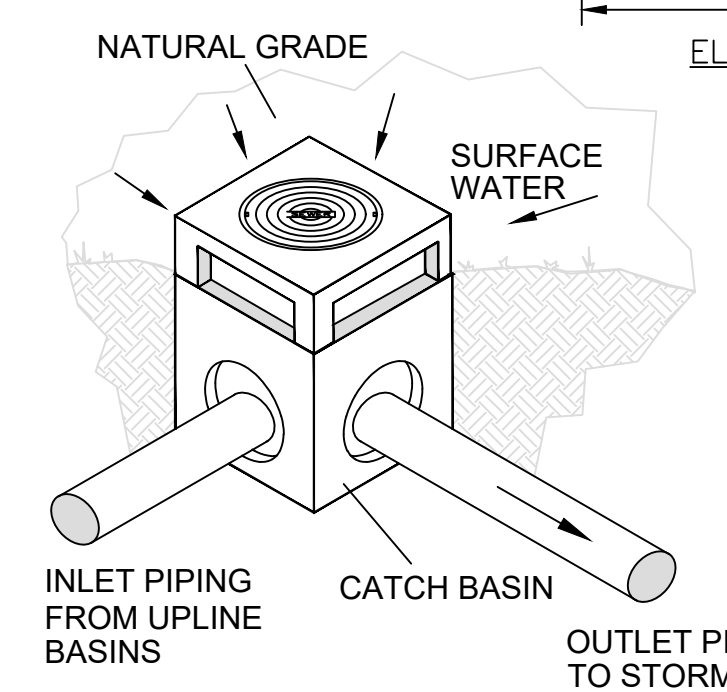


ISOMETRIC



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	OPENING ALL FOUR SIDES (VERTICAL REBAR GRATE IF REQUIRED)
2	1	20" CAST-IN RING AND COVER
3	1	TOP SECTION
4	1	SAFETY BARS (OPTIONAL)
5	1	MUD SECTION
6	1	BASE SECTION
7	1	THINWALL KNOCKOUT PIPE OPENING "K" DIAMETER
8	1	NOT USED
9	-	REBAR AS REQUIRED
10	1	DUCTILE IRON RING AND COVER
11	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL: CBY-1 MANUFACTURED DATE

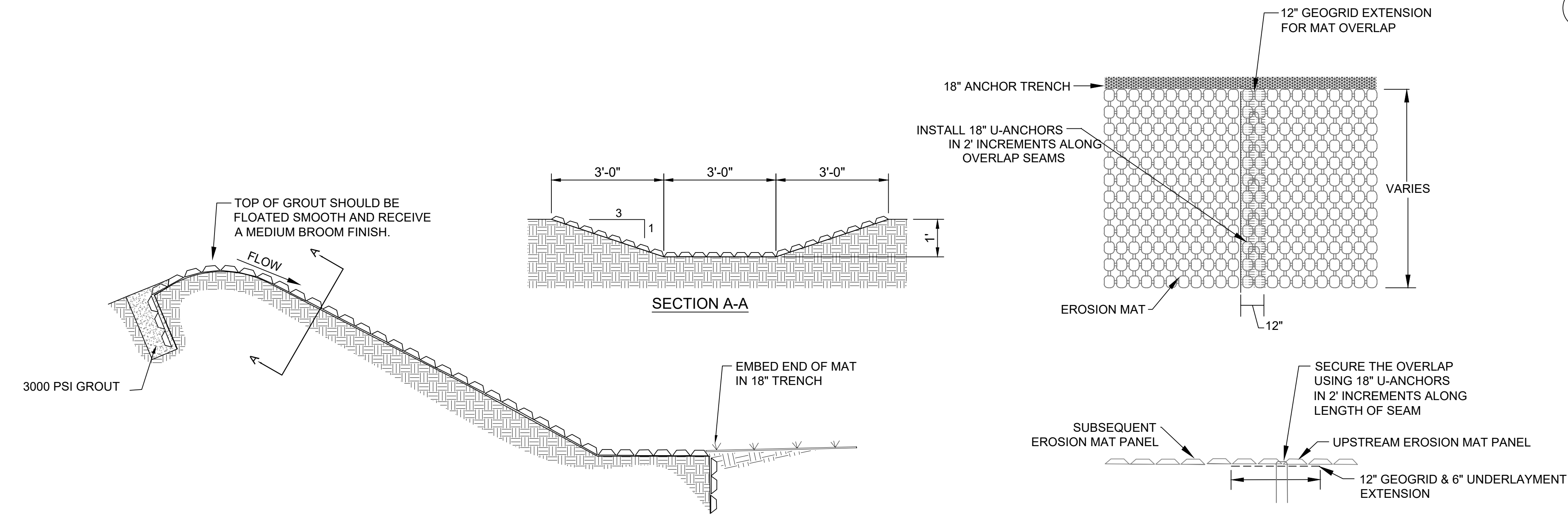
TYPE	L1	W1	K
CBY-36	4'-0"	4'-0"	32"
CBY-48	5'-0"	5'-0"	48"
CBY-60	6'-0"	6'-0"	60"
CBY-72	7'-0"	7'-0"	72"



SPECIFICATIONS

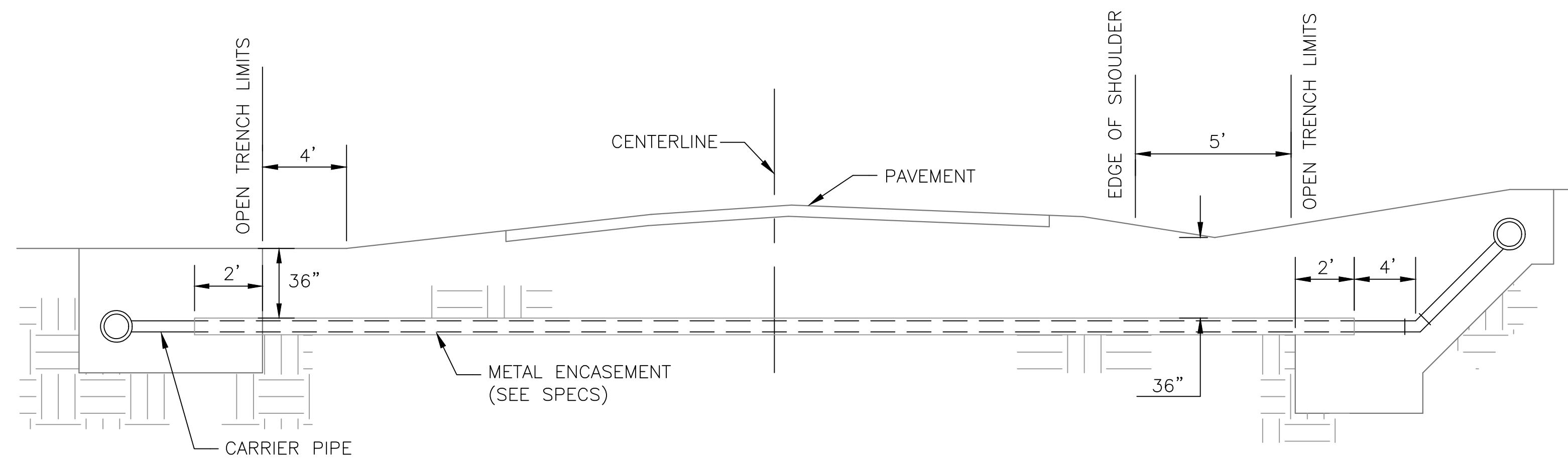
- CONCRETE:** CONCRETE TO MEET MDOT SPECIFICATIONS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH. RATED FOR H-20 LOADING.
- REINFORCEMENT:** GRADE 60 REINFORCED. NO. 4 STEEL REBAR TO CONFORM TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
- C.I. CASTINGS:** CAST IRON FRAMES AND GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30.

5 TYPE "Y" INLET DETAIL
NTS



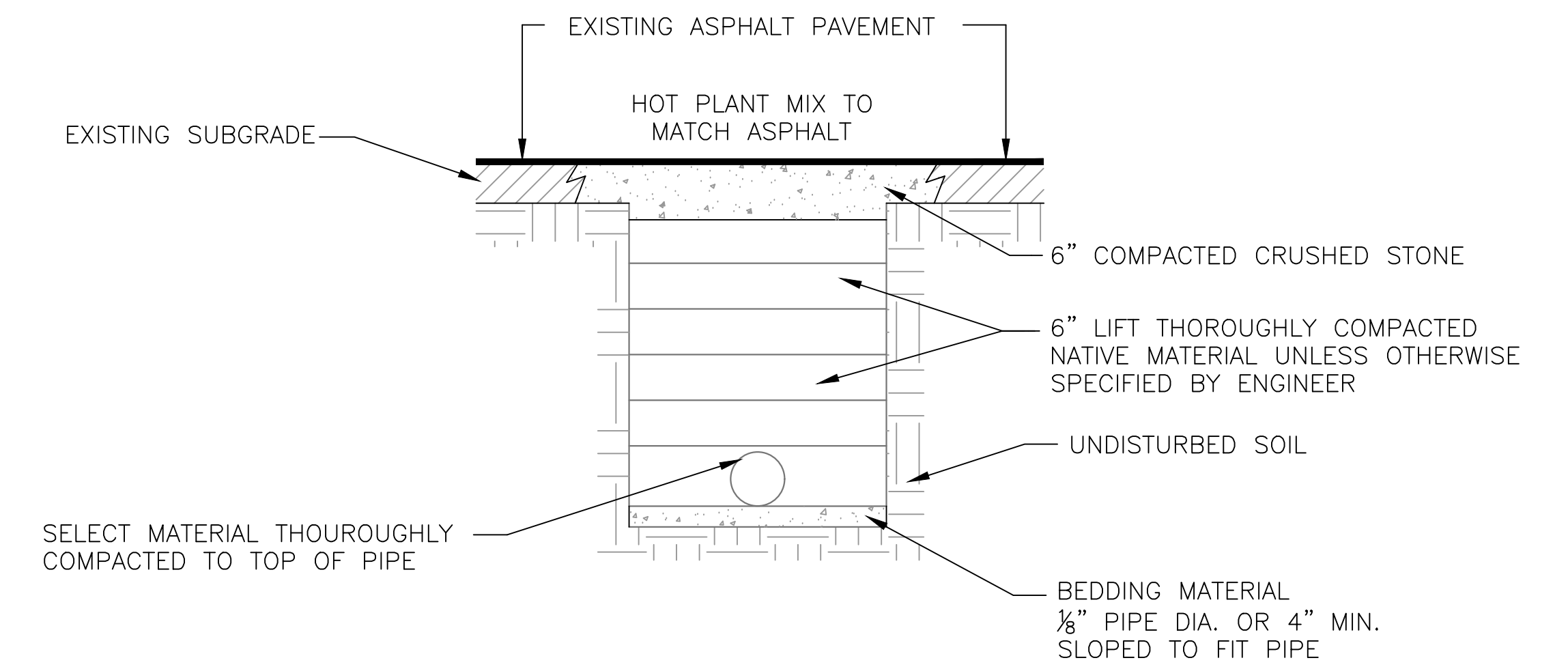
- CONSTRUCTION NOTES:**
- AN ENGINEER OR MANUFACTURER'S REPRESENTATIVE SHALL BE ONSITE FOR THE START OF THE INSTALLATION.
 - GRADE SITE SO THAT WATER WILL NOT FLOW ABOVE, BELOW, OR AROUND THE OUTSIDE OF THE AREA PROTECTED WITH TIED CONCRETE MAT. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND.
 - APPLY SEED DIRECTLY TO PREPARED SOIL PRIOR TO TIED CONCRETE MAT INSTALLATION.
 - AT THE ABUTMENT OF THE TIED CONCRETE MAT, EXCAVATE A 12" x 18" TRENCH. INSTALL 18" OF TIED CONCRETE MAT INTO THE TRENCH AND FILL WITH 3,000 PSI GROUT. THE GROUT SURFACE IS TO RECEIVE A MEDIUM BROOM FINISH AND CAN EXTEND 12" TO 18" OVER THE EROSION MAT BLOCKS.
 - AT EMERGENCY SPILLWAY, TYPICAL SECTION IS 15 FEET TOTAL WIDTH WITH 1 FOOT DEPTH, AND 6:1 SIDE SLOPES. INITIAL SECTION TRANSITIONS TO SECTION A-A.

4 TIED CONCRETE MAT DETAILS
NTS

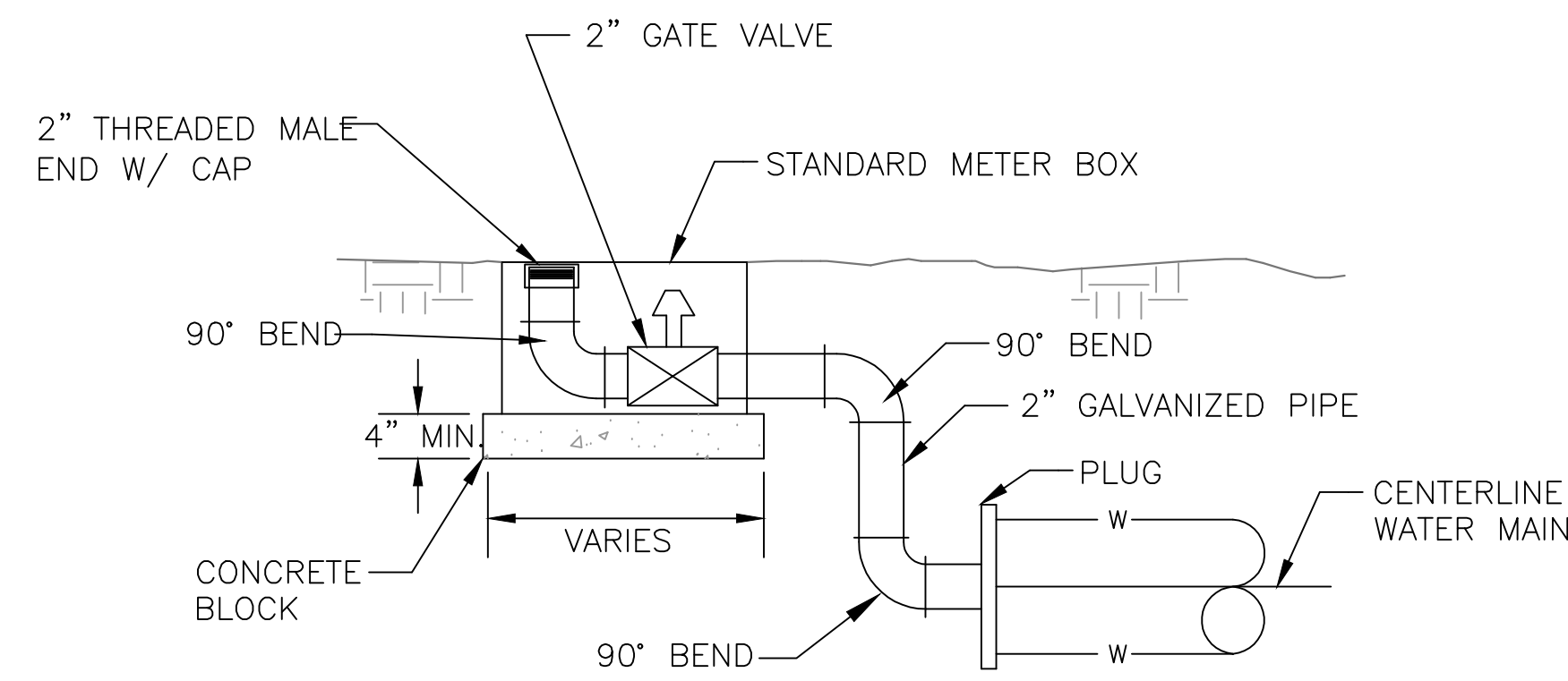


TYPICAL CASSED WATER MAIN CROSSING

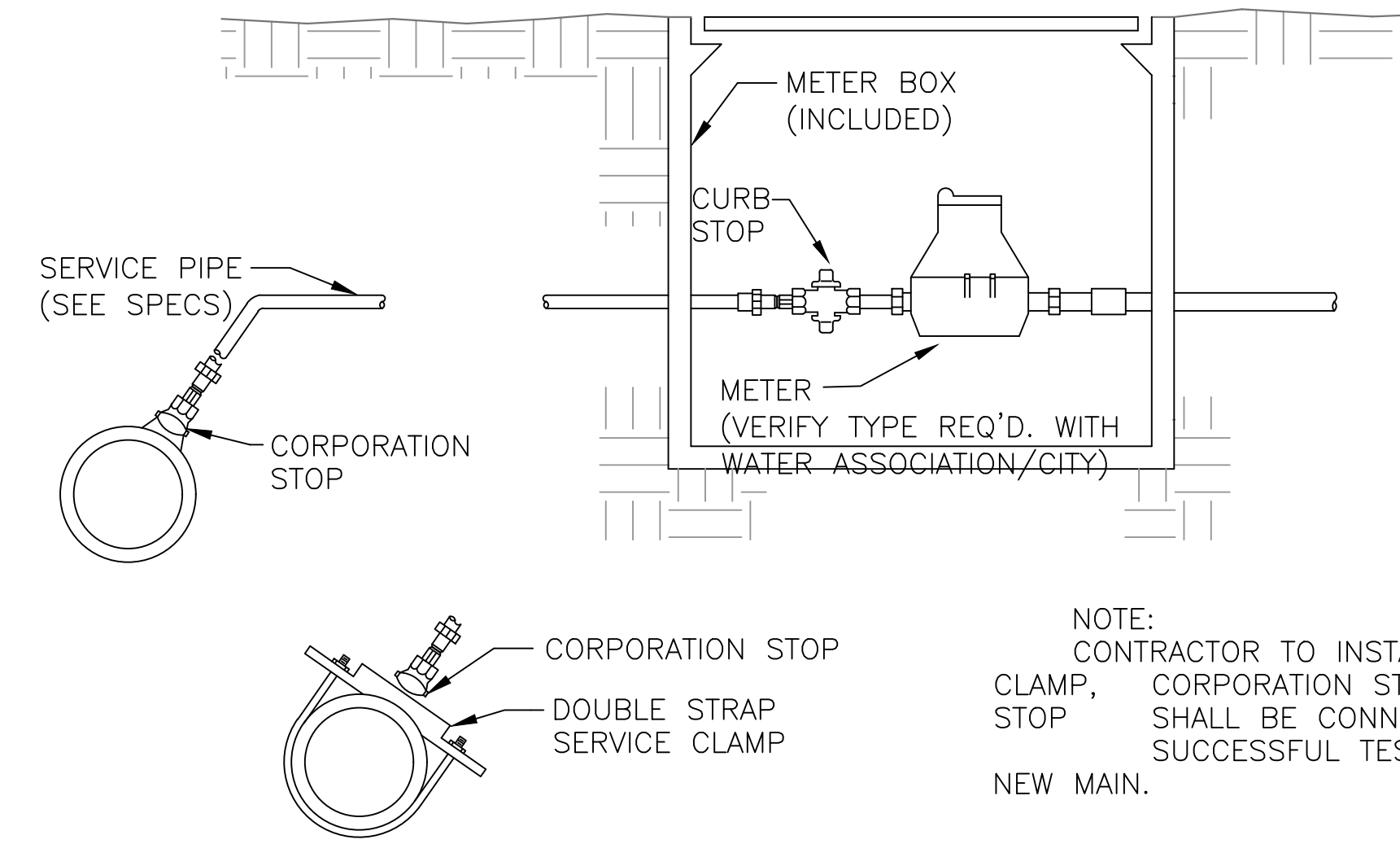
NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.



STREET REPAIR OF OPEN CUT

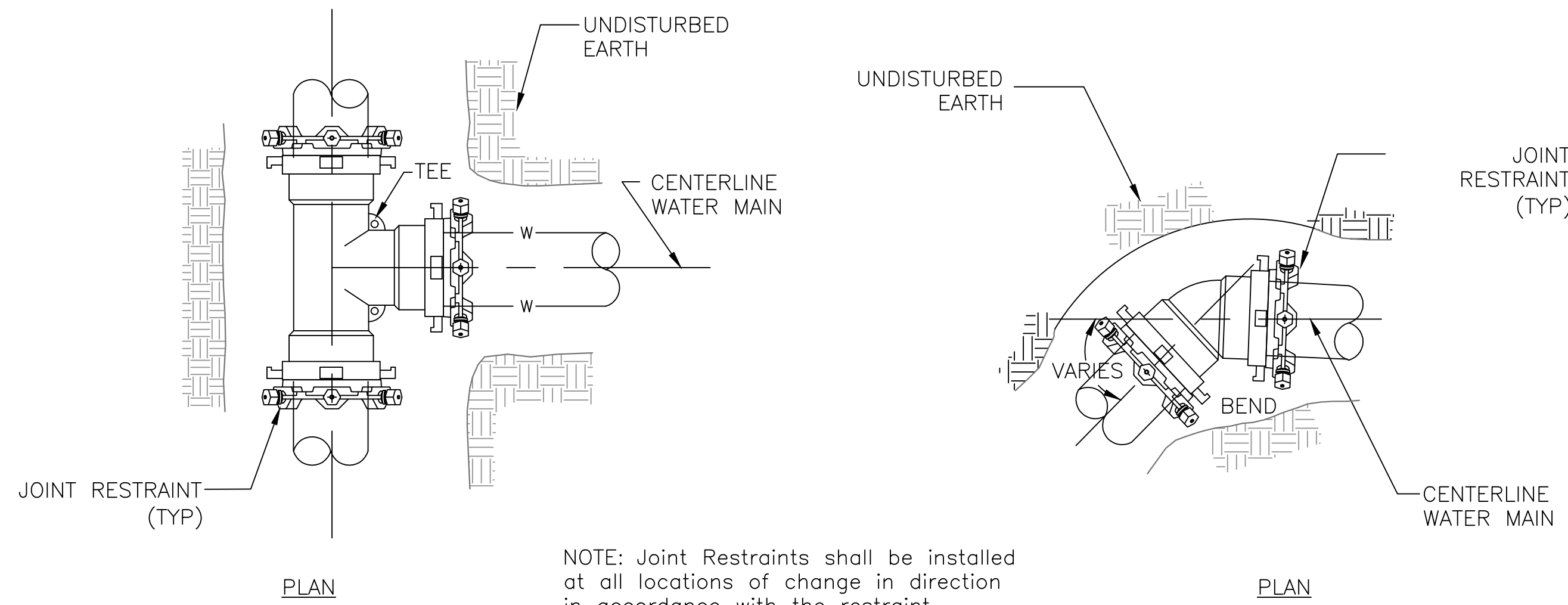


TYPICAL 2" BLOW-OFF DETAIL



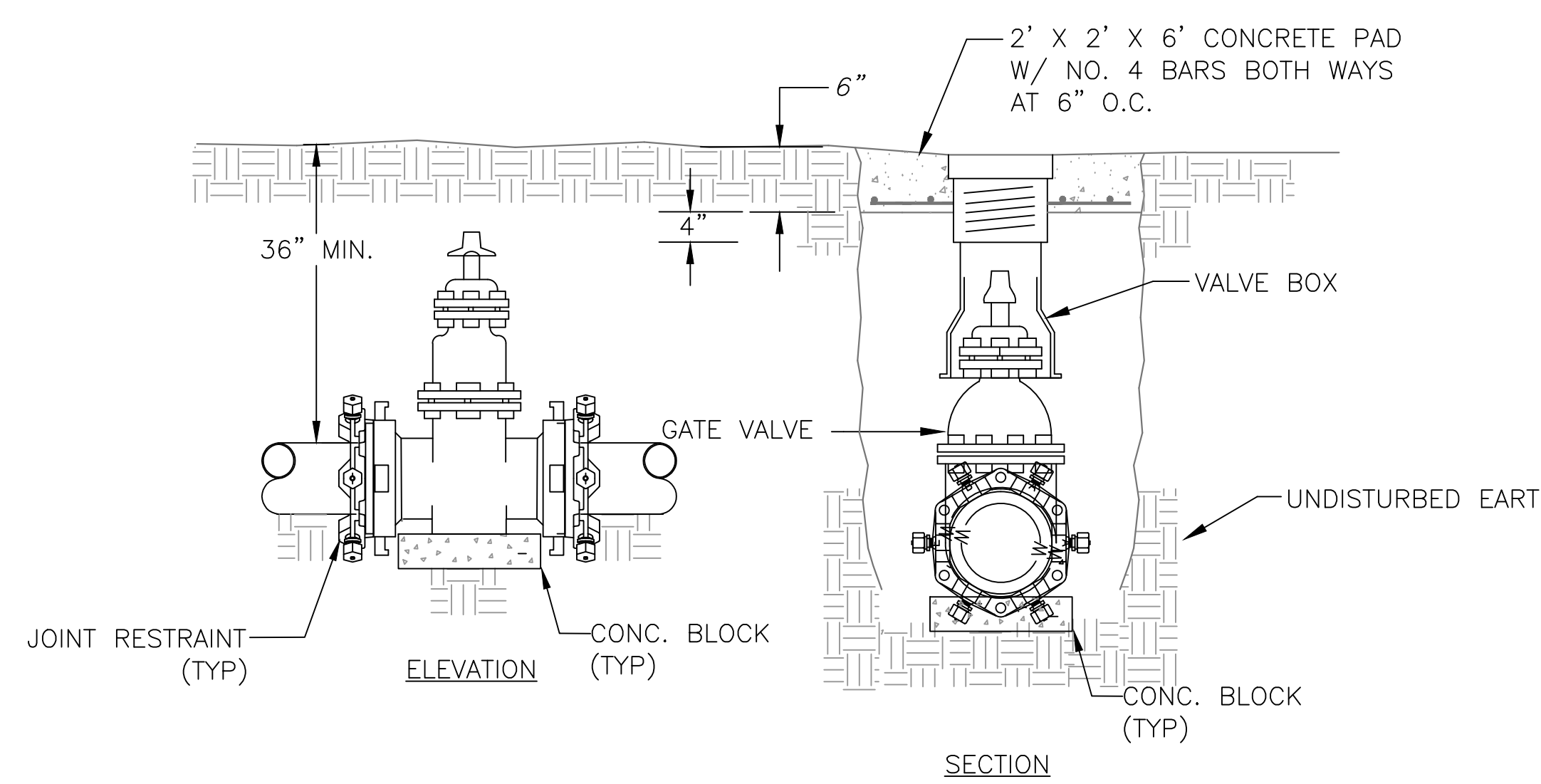
TYPICAL SERVICE ASSEMBLY

NOTE: CONTRACTOR TO INSTALL SERVICE TAP, SERVICE CORPORATION STOP, AND CURB STOP. CURB STOP SHALL BE CONNECTED TO EXISTING LINE UPON SUCCESSFUL TESTING AND DISINFECTION OF THE NEW MAIN.

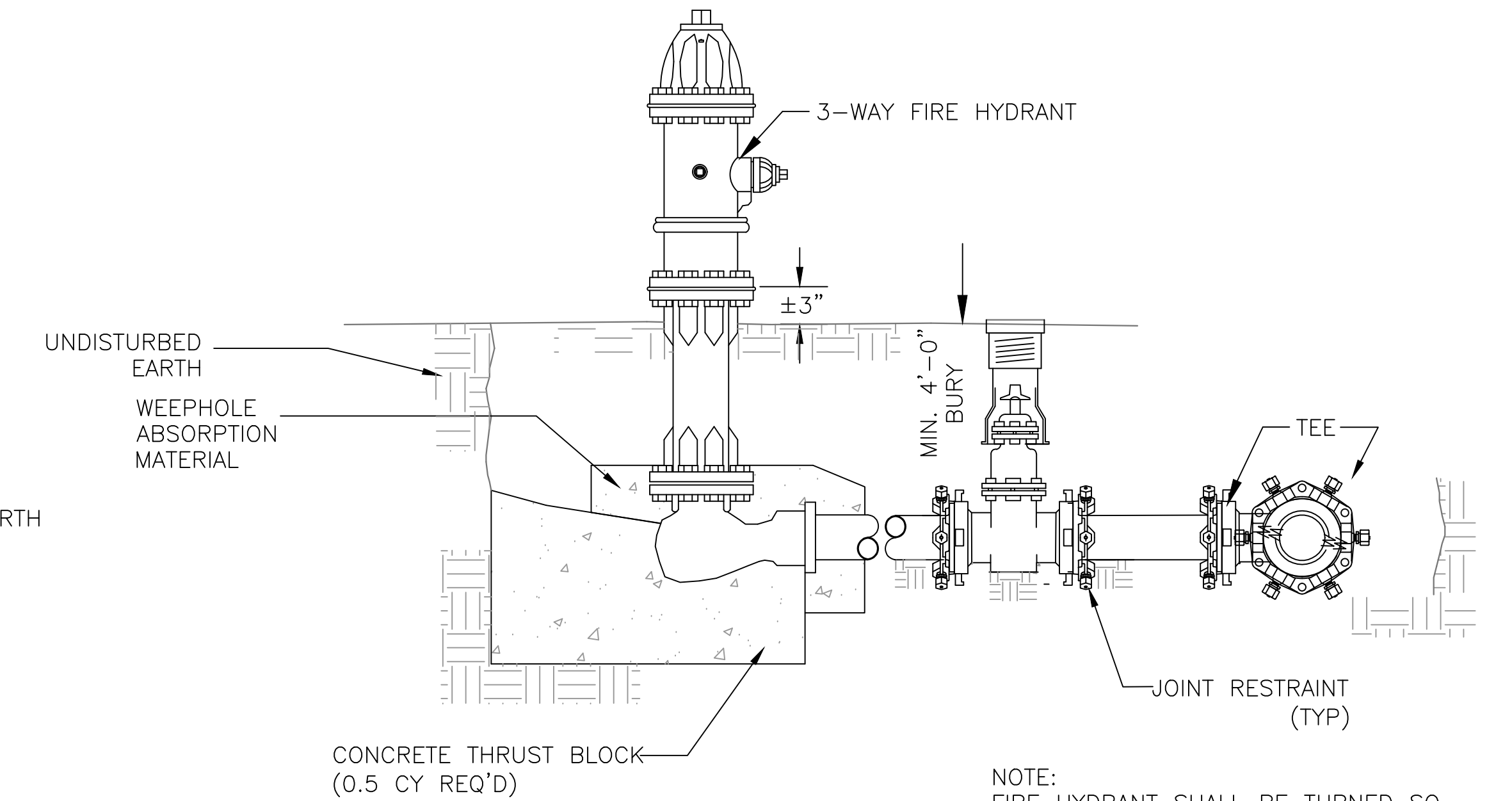


NOTE: Joint Restraints shall be installed at all locations of change in direction in accordance with the restraint manufacturer's recommendations for number of upstream and downstream pipe joints at bends to be restrained.

JOINT RESTRAINT DETAILS FOR TEES & BENDS

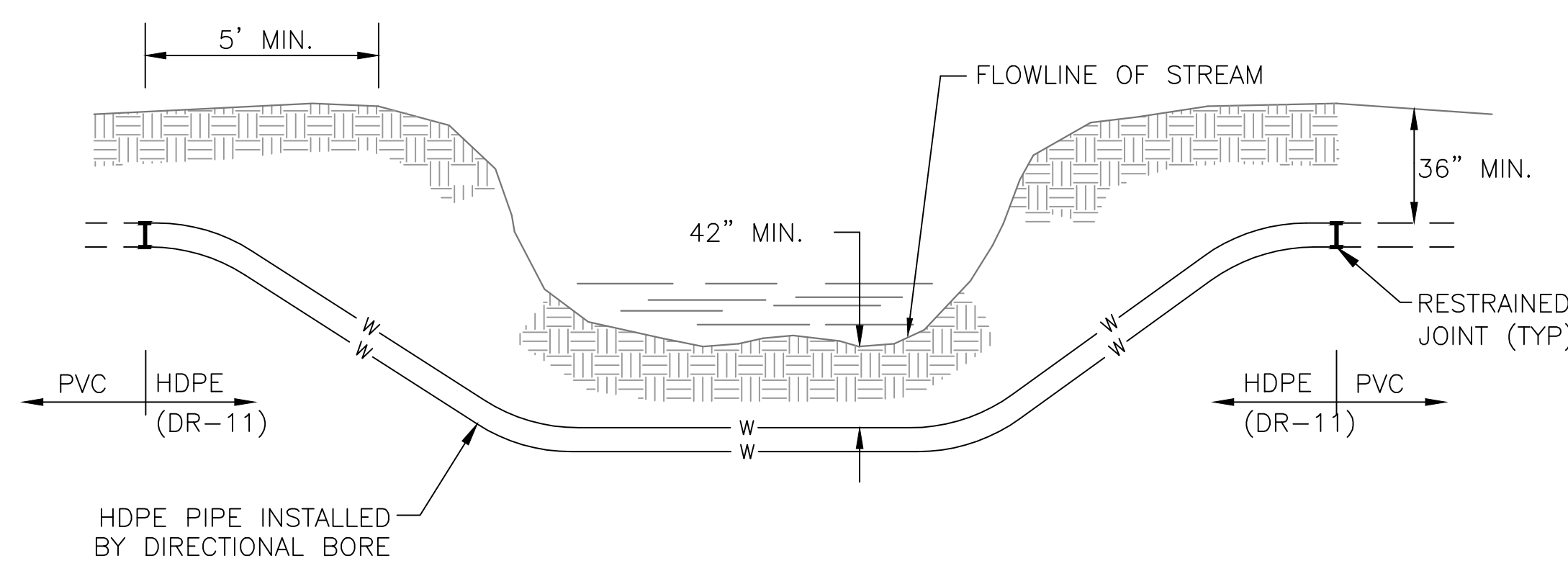


TYPICAL VALVE & BOX

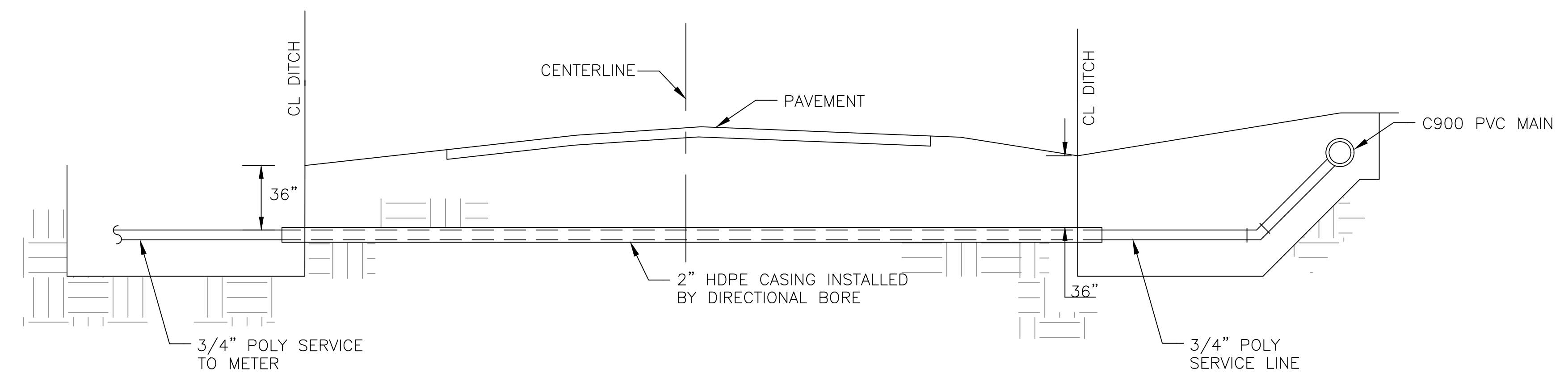


TYPICAL FIRE HYDRANT ASSEMBLY

NOTE: FIRE HYDRANT SHALL BE TURNED SO THAT THE NOZZLES FACE THE ADJACENT STREET. TYPE REQ'D. TO BE VERIFIED WITH WATER ASSOCIATION/CITY.

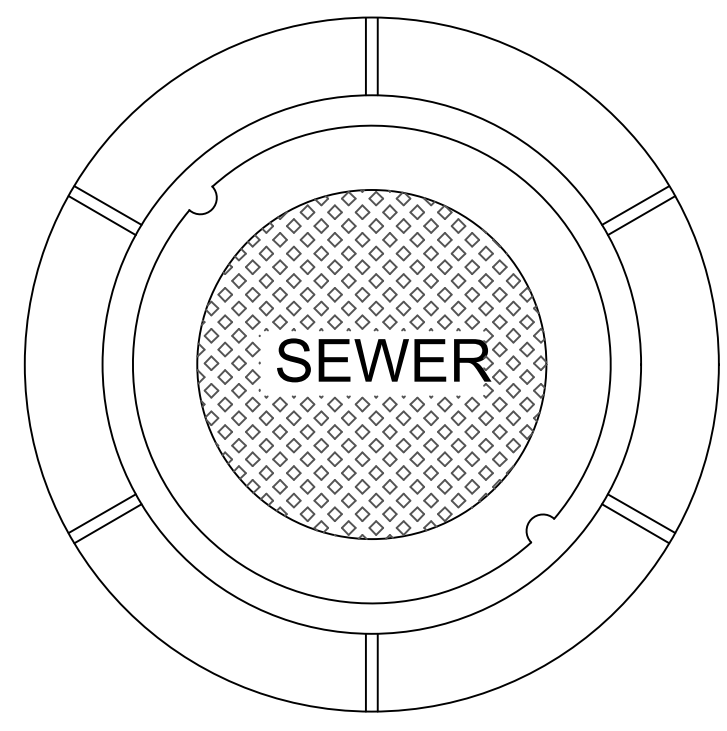


TYPICAL BORED STREAM CROSSING

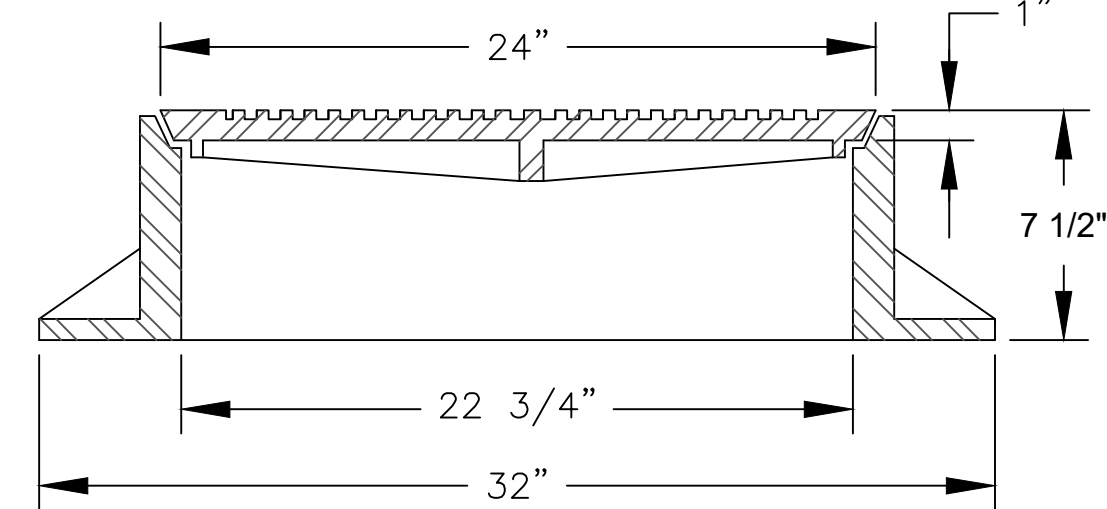


TYPICAL SERVICE BORE

NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.

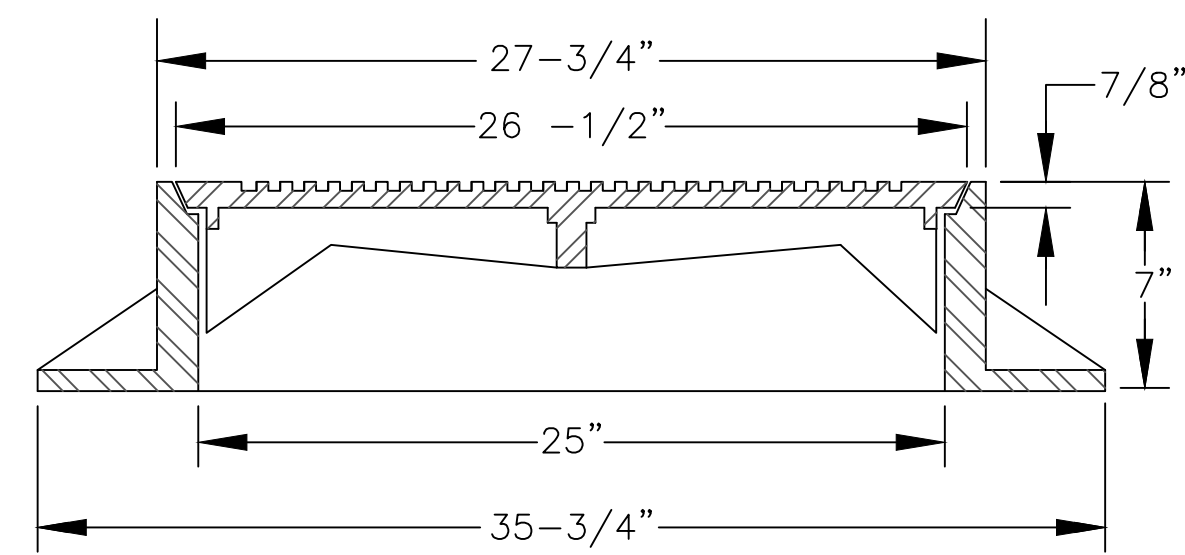


PLAN
MANHOLE CASTING



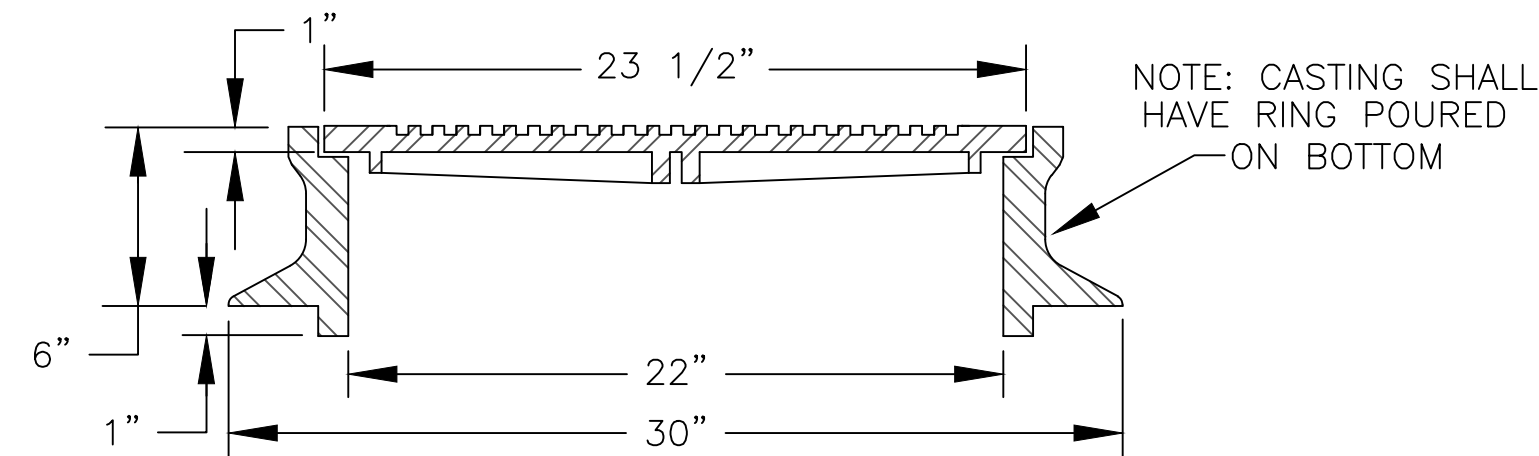
SECTION
TYPE "B" MANHOLE CASTING

NOTE: 1) USE TYPE "B" MANHOLE CASTING FOR ANY MANHOLE NOT IN STREET R.O.W.
2) USE HARPER NO. 1 (M.S.P.E. STANDARD) LIGHT WEIGHT (330 LBS), VULCAN. NO. VM-17 (300 LBS) OR OPELIKA FOUNDRY NO. C-2-1 (325 LBS).



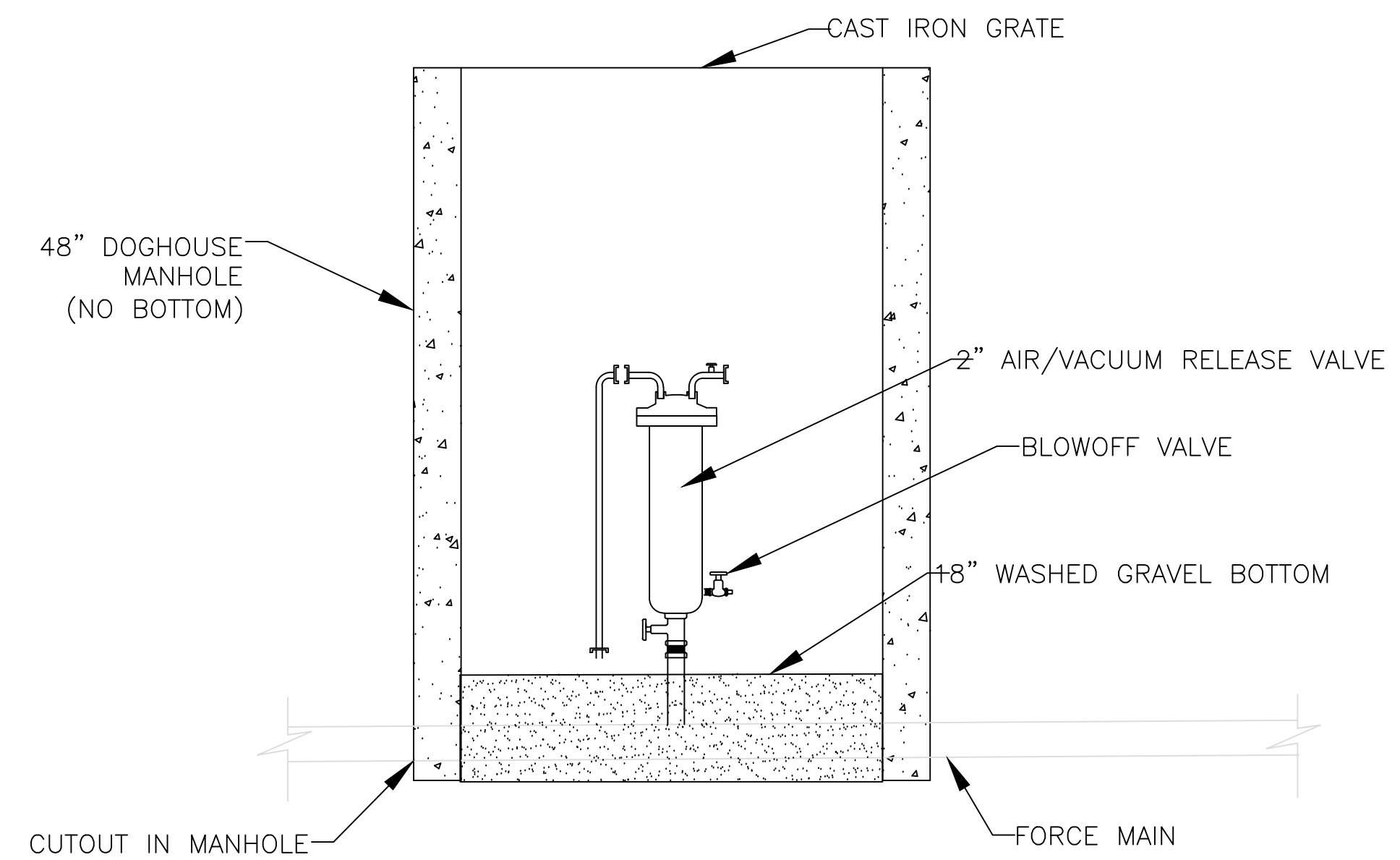
SECTION
TYPE "A" MANHOLE CASTING

NOTE:
1) USE TYPE "A" MANHOLE CASTING IN STREET R.O.W.
2) USE HARPER NO. 2 OR VULCAN NO. VM-15

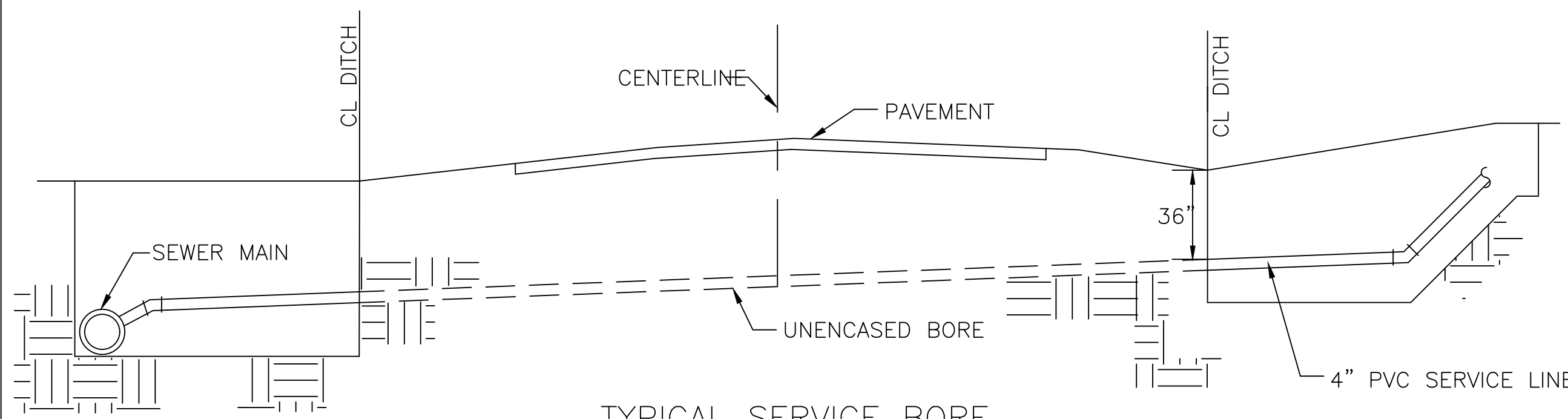


SECTION
TYPE "C" MANHOLE CASTING

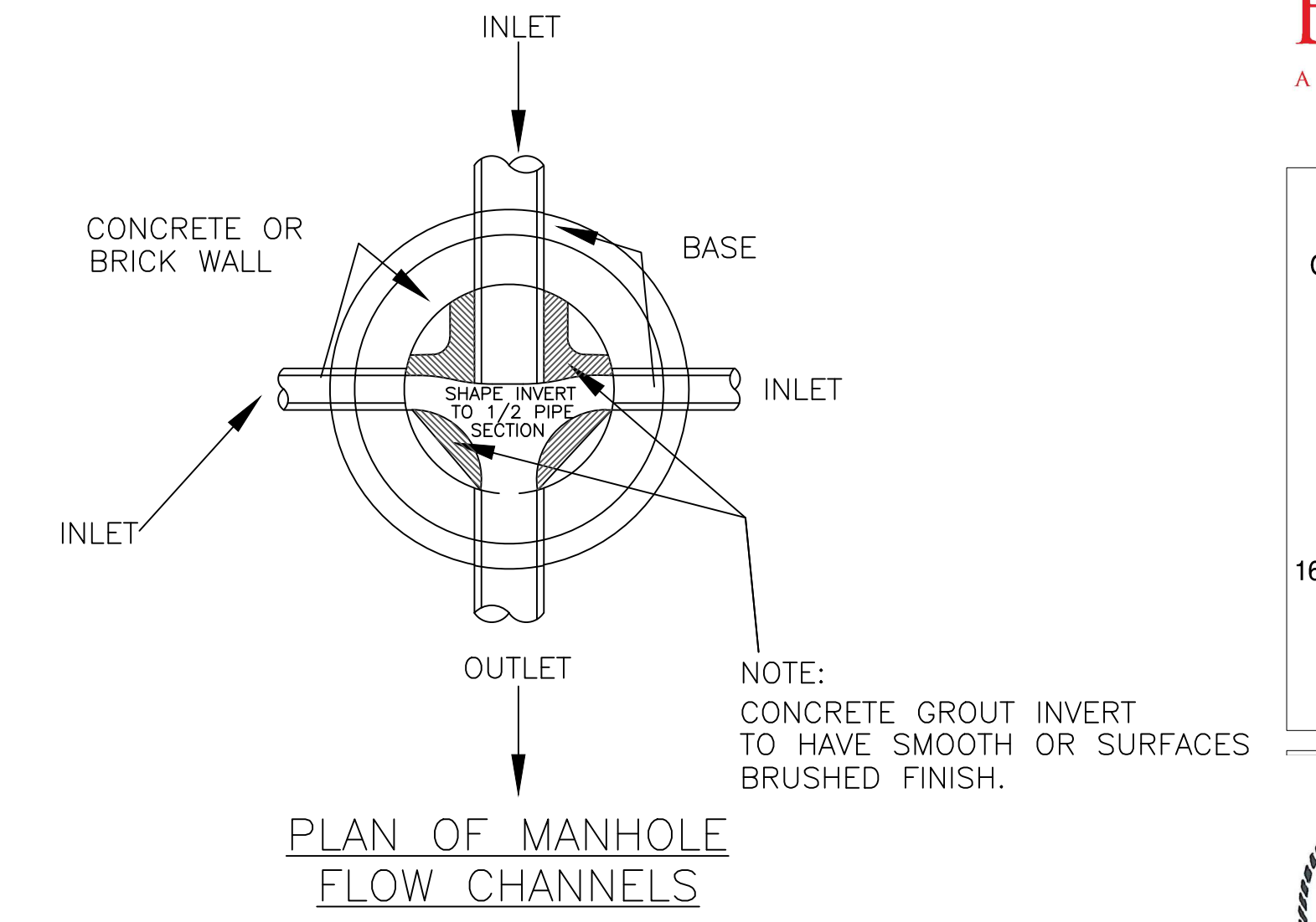
NOTE:
1) USE TYPE "C" MANHOLE CASTING FOR PRECAST MANHOLE NOT IN STREET R.O.W.
2) USE HARPER NO. 8 (330 LBS), NEENAH NO. R-1779 (300 LBS) OR VULCAN NO. VM-7 (330 LBS)



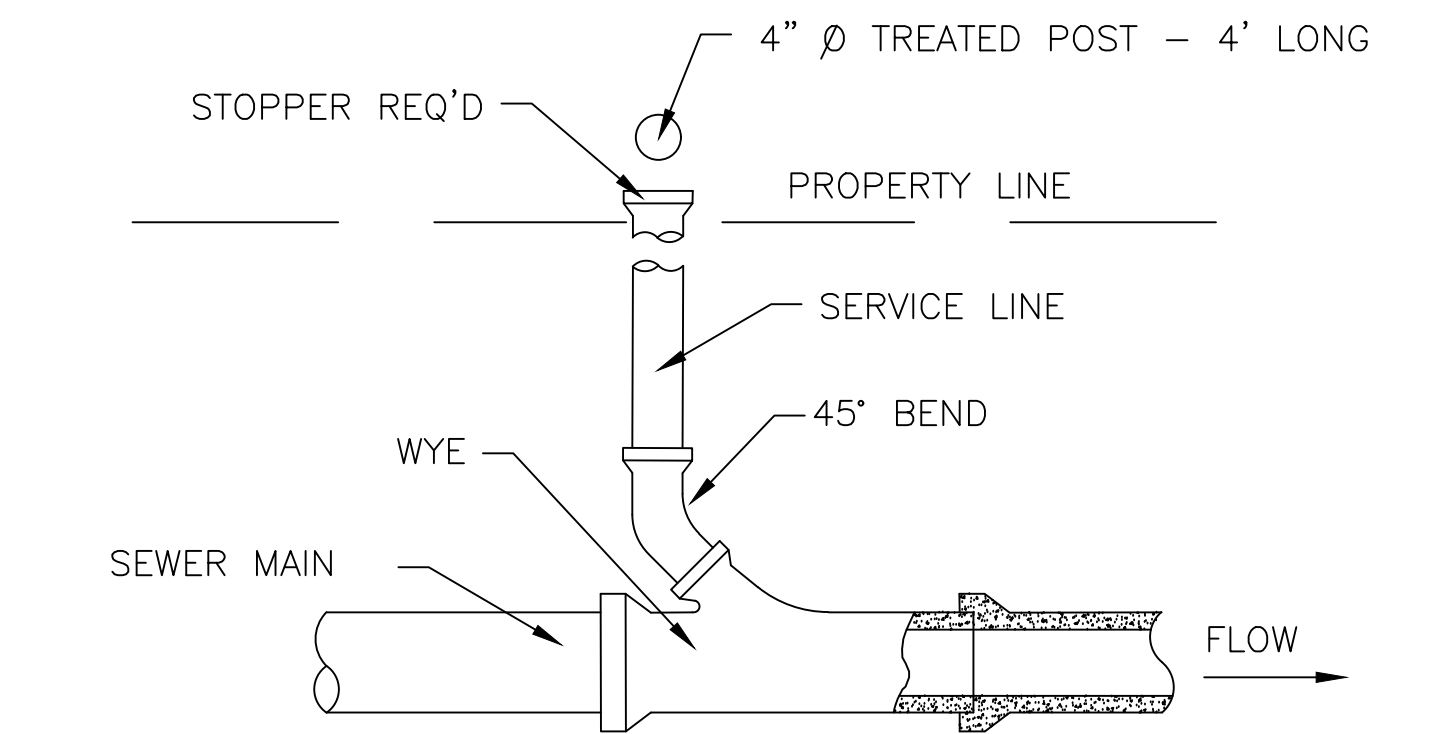
AIR/VACUUM RELEASE VALVE
NOTE: MANHOLE DEPTH VARIES AS REQUIRED



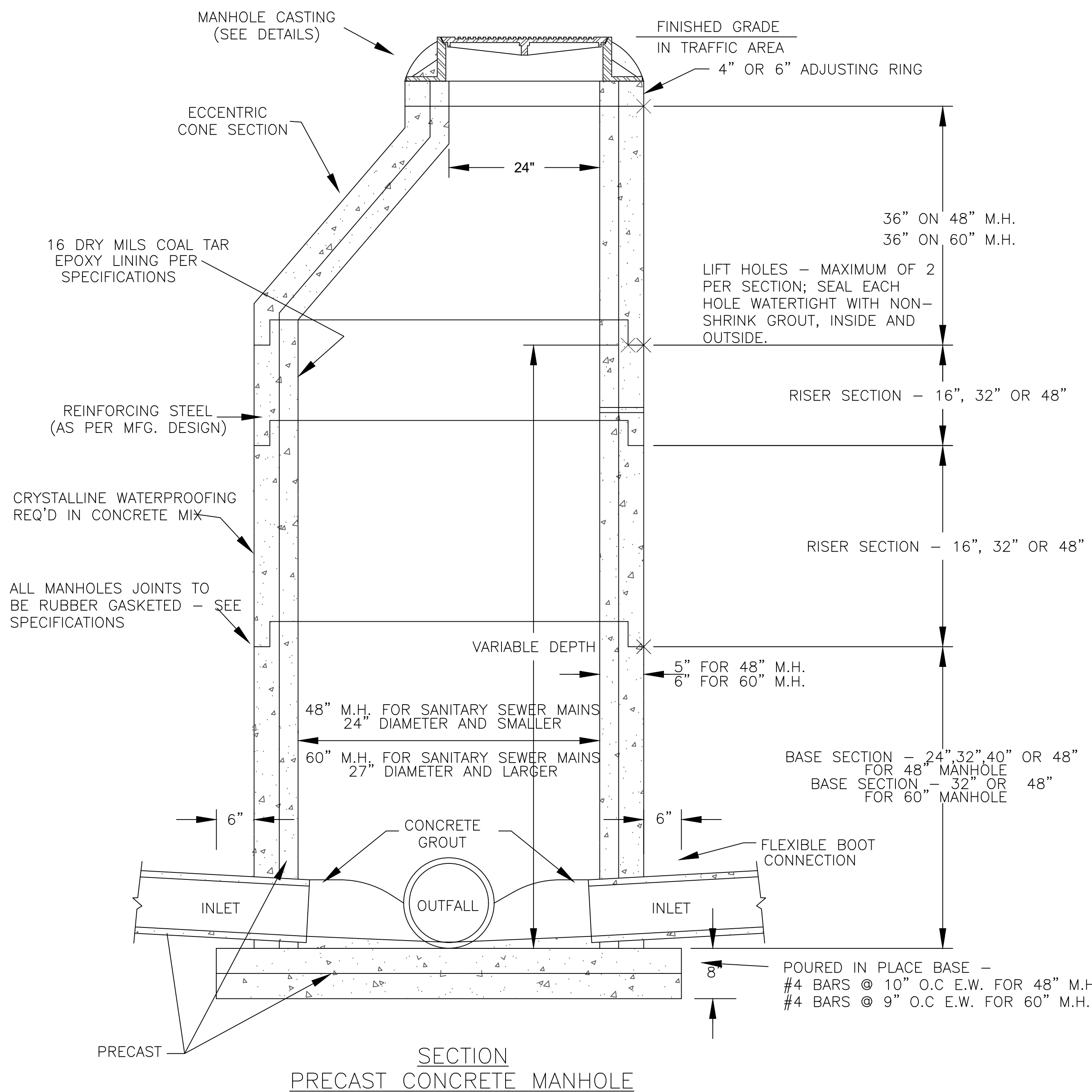
NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.



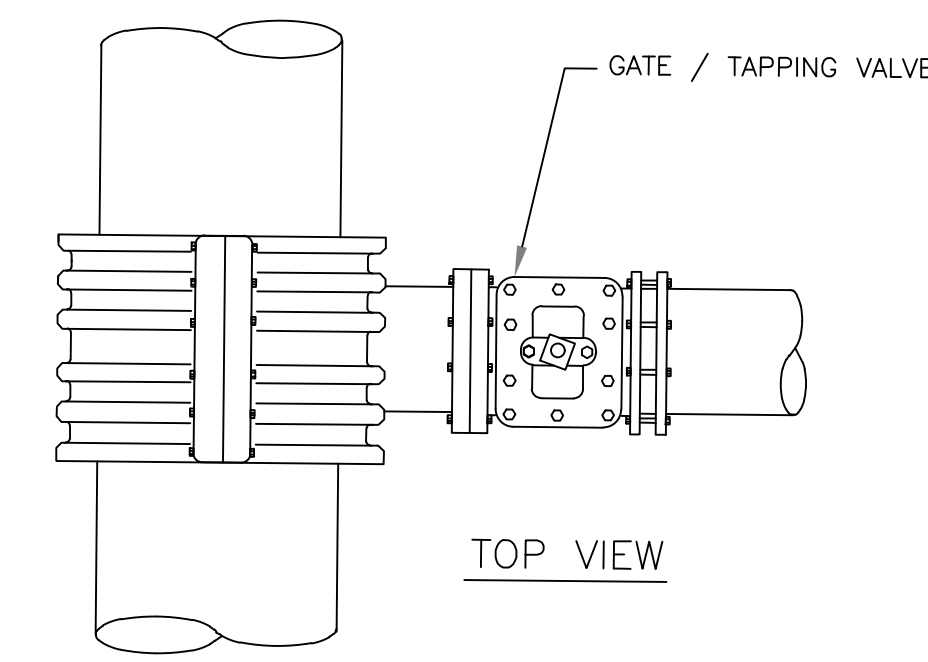
PLAN OF MANHOLE
FLOW CHANNELS



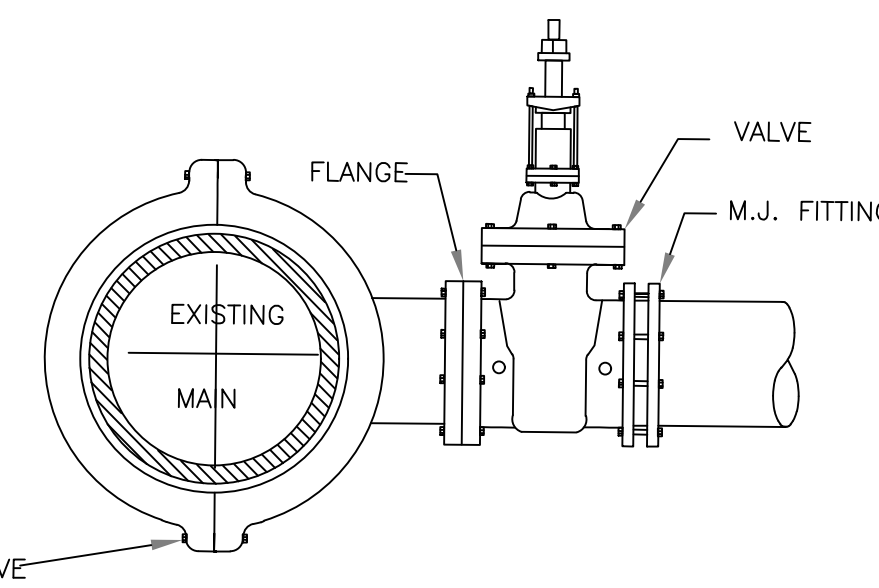
TYPICAL SERVICE CONNECTION
WITH WYE



SECTION
PRECAST CONCRETE MANHOLE

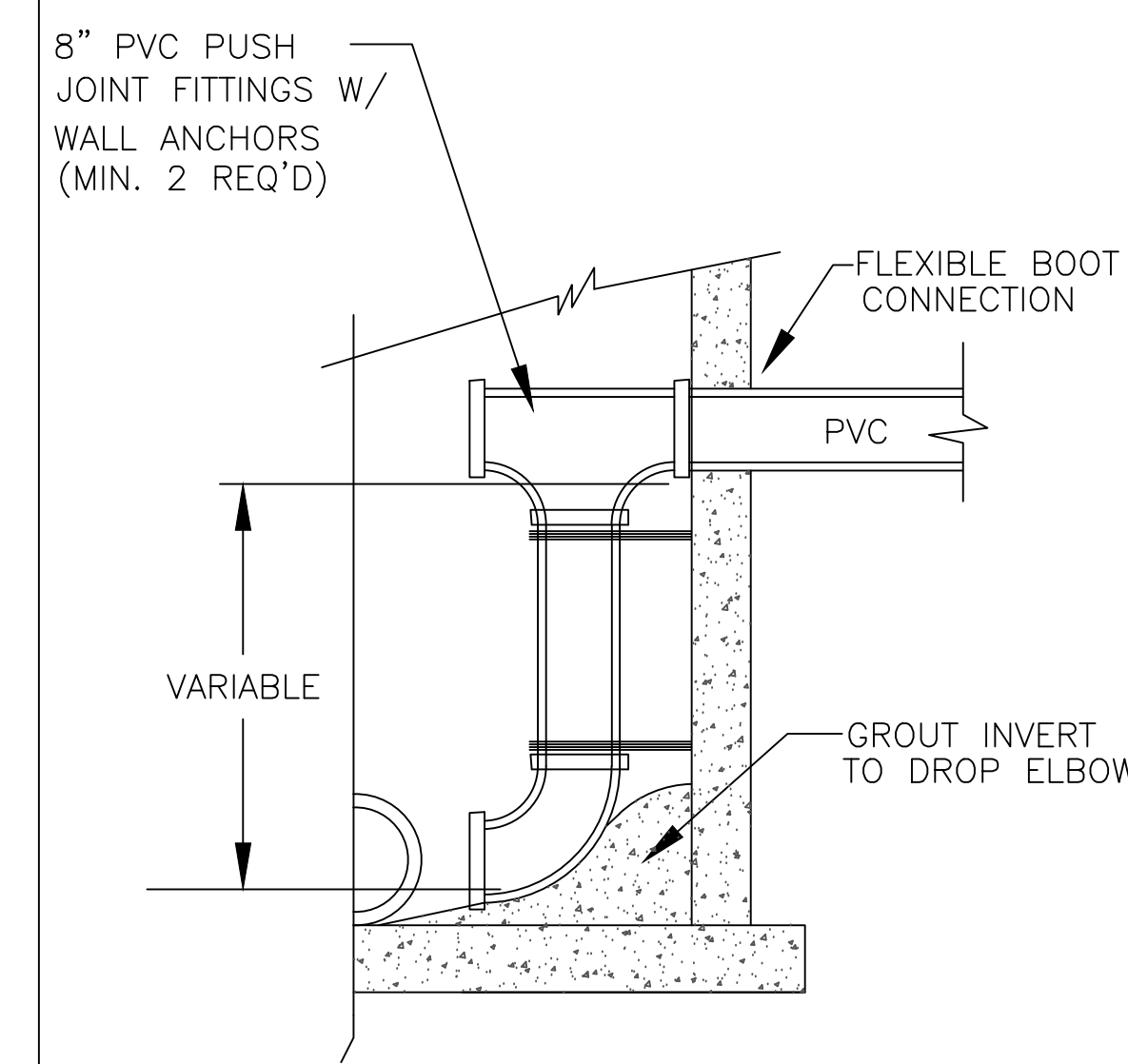


TOP VIEW

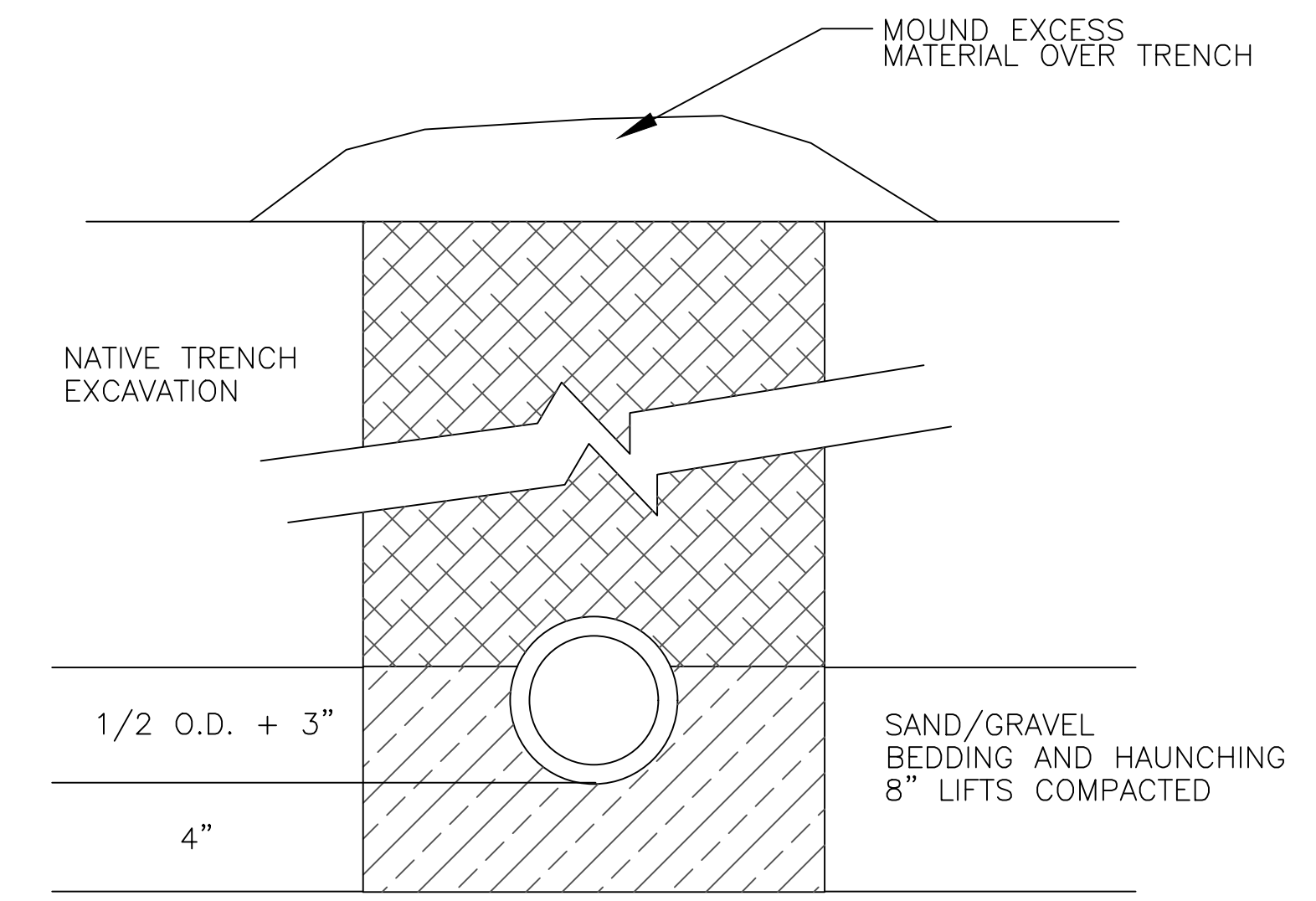


SIDE VIEW

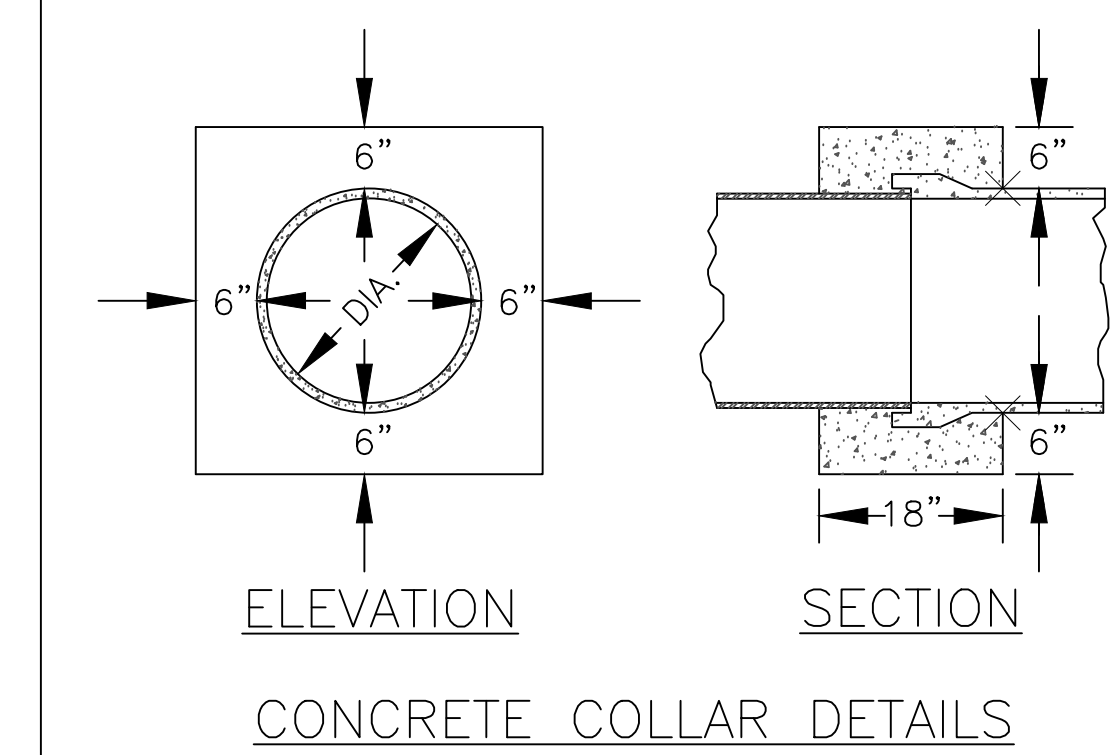
HOT TAP VALVE ASSEMBLY



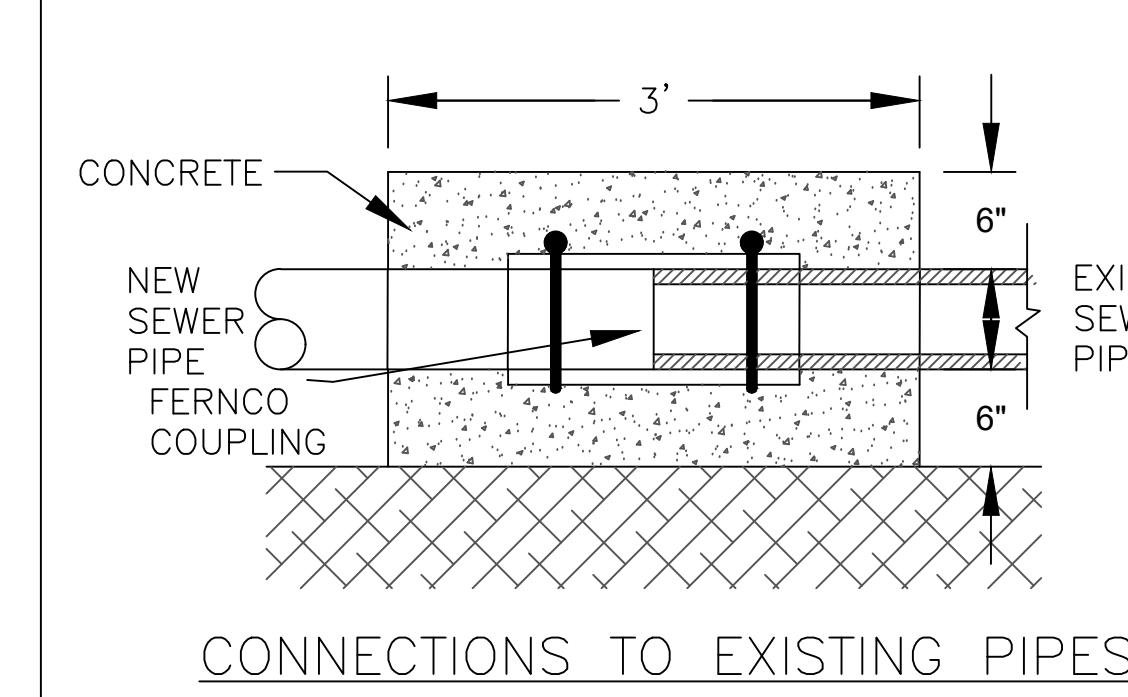
MANHOLE WITH INTERNAL
DROP CONNECTION



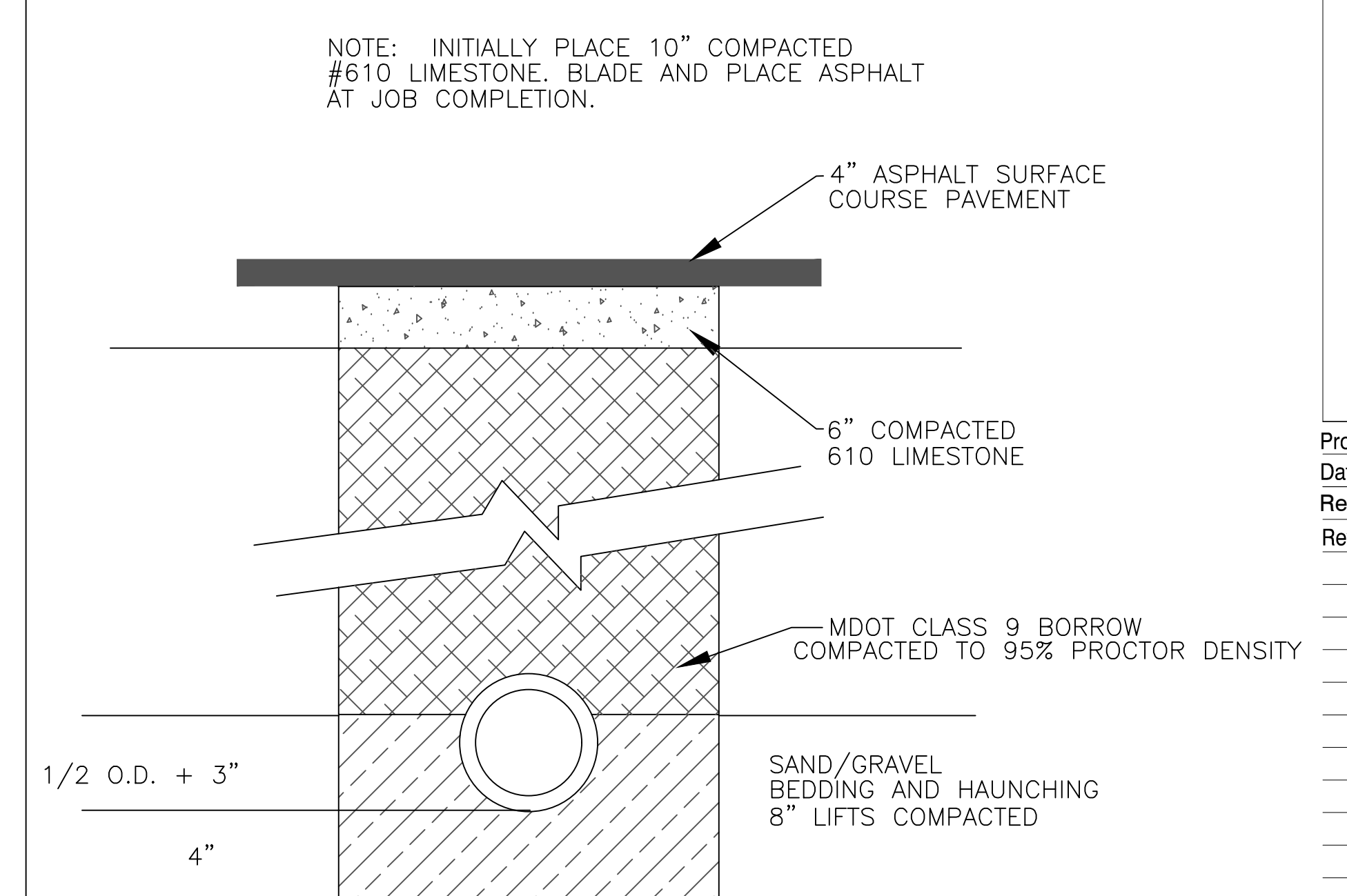
PVC GRAVITY PIPE BEDDING
& HAUNCHING BACKFILL DETAIL



ELEVATION SECTION
CONCRETE COLLAR DETAILS



CONNECTIONS TO EXISTING PIPES



TYPICAL STREET REPAIR



STATE	PROJECT NO.
MISS.	

4" PVC DRAIN PIPE PLACED WHERE DESIGNATED ELSEWHERE ON PLANS OR BY THE ENGINEER. PAYMENT FOR THE PIPE SHALL BE MADE ON A SEPARATE BASIS.

NOTE: DRIVEWAY REINFORCEMENT SHALL BE 6 X 6 - W1.4 X W1.4 OR 6 X 6 - D1.4 X D1.4 WIRE MESH WHERE REQUIRED.

TRANSITION IN GRADE SHALL BE MADE BACK OF THE END OF CURB RETURN.

TOP OF CURB AT POINT "A" (END OF CURB RETURN) SHALL BE NOT MORE THAN 2% ABOVE OR 4% BELOW POINT "B" (TOP OF CURB PROJECTED ALONG TANGENT OF RETURN).

ISOMETRIC HEADER CURB DETAIL SHOWING JOINTS

CLASS "B" CONCRETE

DETAIL OF HEADER CURB
1/2" CONTRACTION JOINTS REQUIRED AT 20' O.C. EXPANSION JOINTS REQUIRED AT 60' O.C. UNLESS OTHERWISE DIRECTED BY ENGINEER.

PLAN SHOWING ARRANGEMENT OF CURB & GUTTER, DRIVEWAYS AND SIDEWALK

1/2" EXPANSION JOINT OR 1/2" DEEP SCORING AS REQUIRED BY SPACING

TYPE "1" DRIVEWAY PLAN OF CONCRETE DRIVEWAY

11.058 yd² FOR DRIVEWAY 16'-0" IN WIDTH. 0.574 yd² FOR EACH ADDED OR SUBTRACTED FOOT OF WIDTH. NOTE: THIS DRIVEWAY AREA EXAMPLE IS COMPUTED ON THE BASIS OF 3'-0" RADIUS. PAYMENT FOR CURB RADIUS SHALL BE INCLUDED IN COMPENSATION FOR DRIVEWAY.

* TABLE "A"		
DRIVEWAY TYPE	DRIVEWAY WIDTH	CURB RETURN RADIUS
RESIDENTIAL	16'	5' - 10'
COMMERCIAL/ INDUSTRIAL	30' - 50'	10' - 30'

1/2" EXPANSION JOINT. THE EXPANSION JOINT SHALL BE FORMED OF PREMOLDED JOINT FILLER (ABSORBED) CUT TO FULL CROSS-SECTION AND SHALL EXTEND TO THE FULL WIDTH AND DEPTH OF CONSTRUCTION.

PLAN OF CONCRETE DRIVEWAY ACROSS SIDEWALK AREA

1/2" EXPANSION JOINT OR 1/2" DEEP SCORING AS REQUIRED BY SPACING

PLAN-CURB OMITTED FOR FUTURE DRIVEWAY CONSTRUCTION

NOTE: THIS TYPE CONSTRUCTION SHALL BE USED WHERE DESIGNATED ELSEWHERE ON PLANS OR BY THE ENGINEER.

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

DETAIL OF VALLEY GUTTER

TYPE "1" DETAIL OF COMBINATION CURB & GUTTER

TYPE "2" DETAIL OF COMBINATION CURB & GUTTER

TYPE "3A" DETAIL OF COMBINATION CURB & GUTTER

TYPE "3B" DETAIL OF COMBINATION CURB & GUTTER

PERMISSIBLE DRIVEWAY CONSTRUCTION METHOD FOR SLIP-FORM PLACEMENT OF CURB & GUTTER

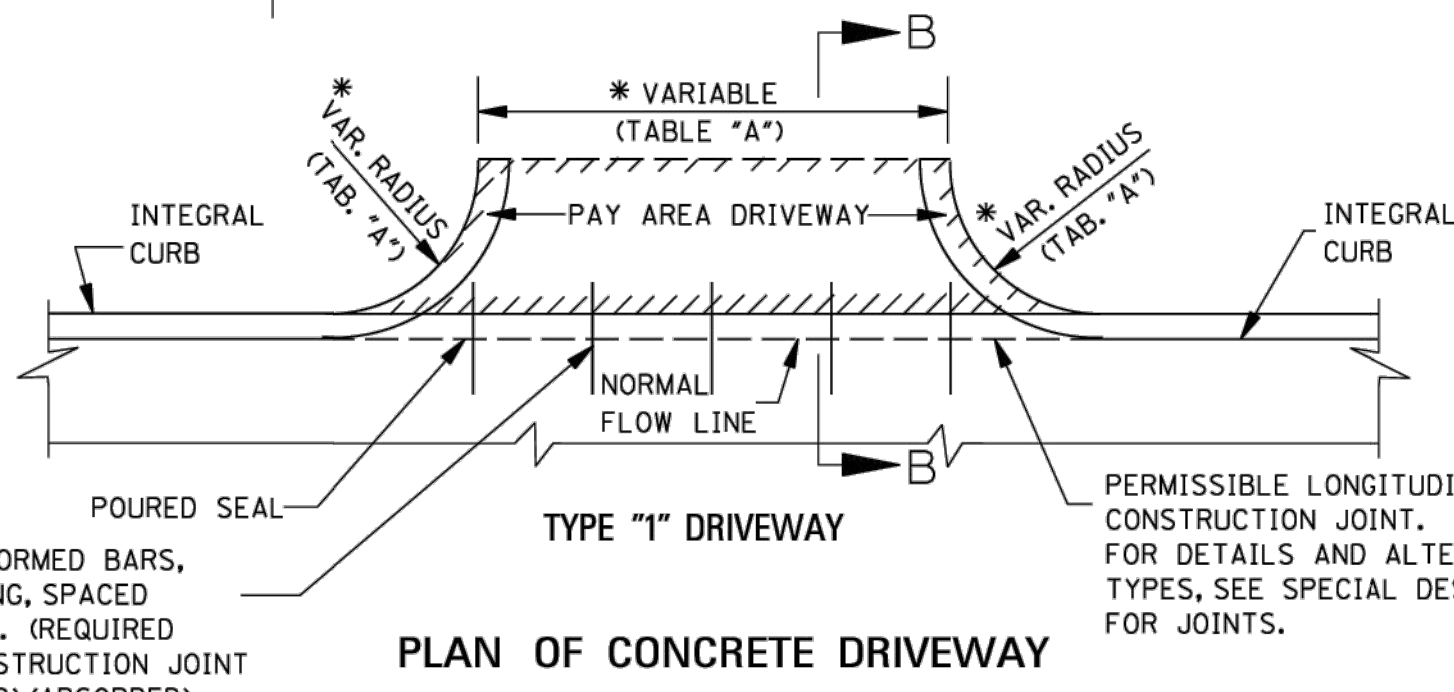
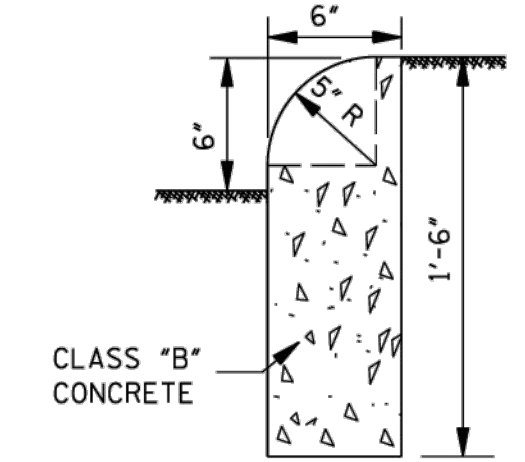
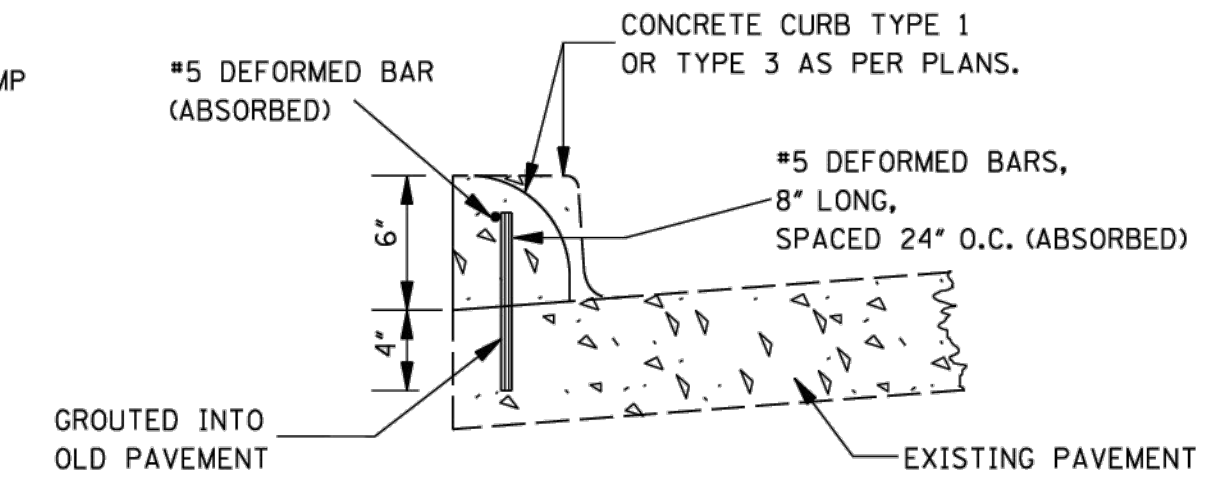
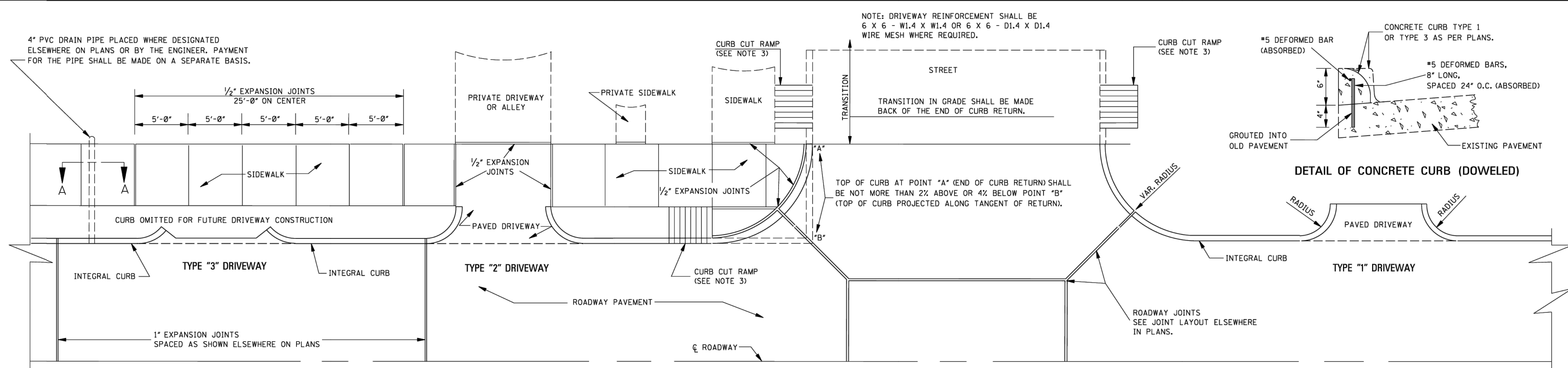
GENERAL NOTES:

- TRANSVERSE CONTRACTION JOINTS ARE REQUIRED AT 20' ON CENTER FOR ALL CONCRETE DRIVEWAYS THAT EXTEND PAST THE END OF THE CURB RETURN. A 1/2" WIDE EXPANSION JOINT IS REQUIRED AT THE END OF THE CURB RETURN AND AT 60' ON CENTER THROUGHOUT THE LENGTH OF THE DRIVEWAY. A LONGITUDINAL CONTRACTION JOINT IS REQUIRED FOR ALL DRIVEWAYS EXCEEDING 20' IN WIDTH.
- SEE WK. NOS. CR-1, CR-2, CR-3 & CR-4 FOR DETAILS OF CURB-CUT RAMPS.
- MAXIMUM 2% CROSS-SLOPE ON SIDEWALKS.

DATE	REVISION	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
			DRIVEWAYS, CURB & GUTTER, & SIDEWALK
ISSUE DATE:	AUGUST 01, 2017		WORKING NUMBER SD-1
			SHEET NUMBER 6419



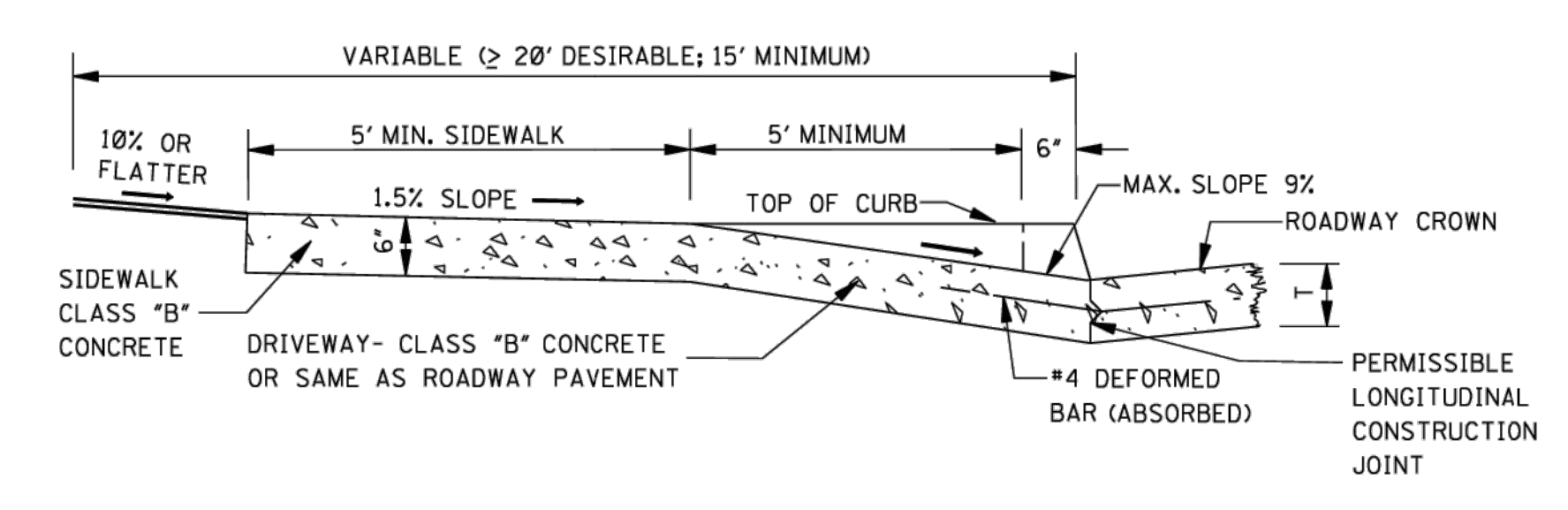
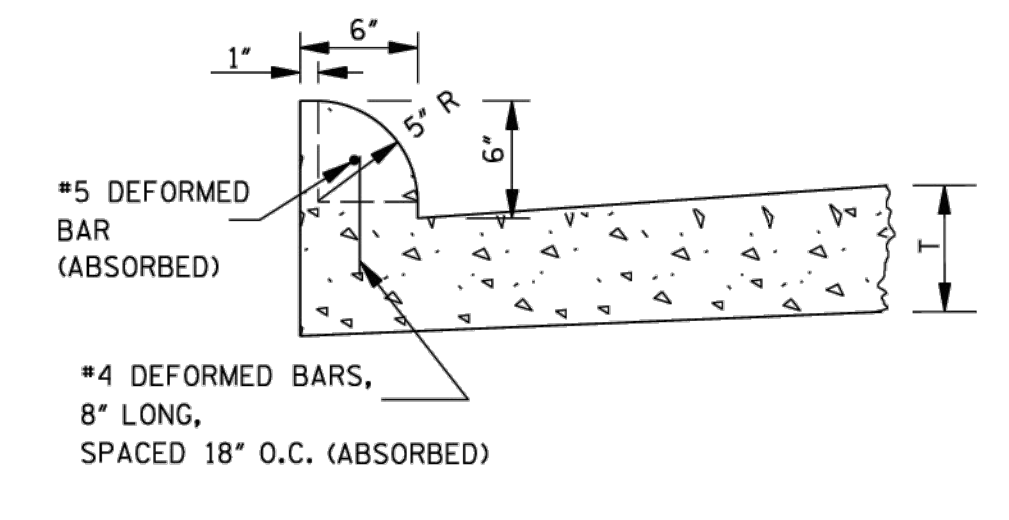
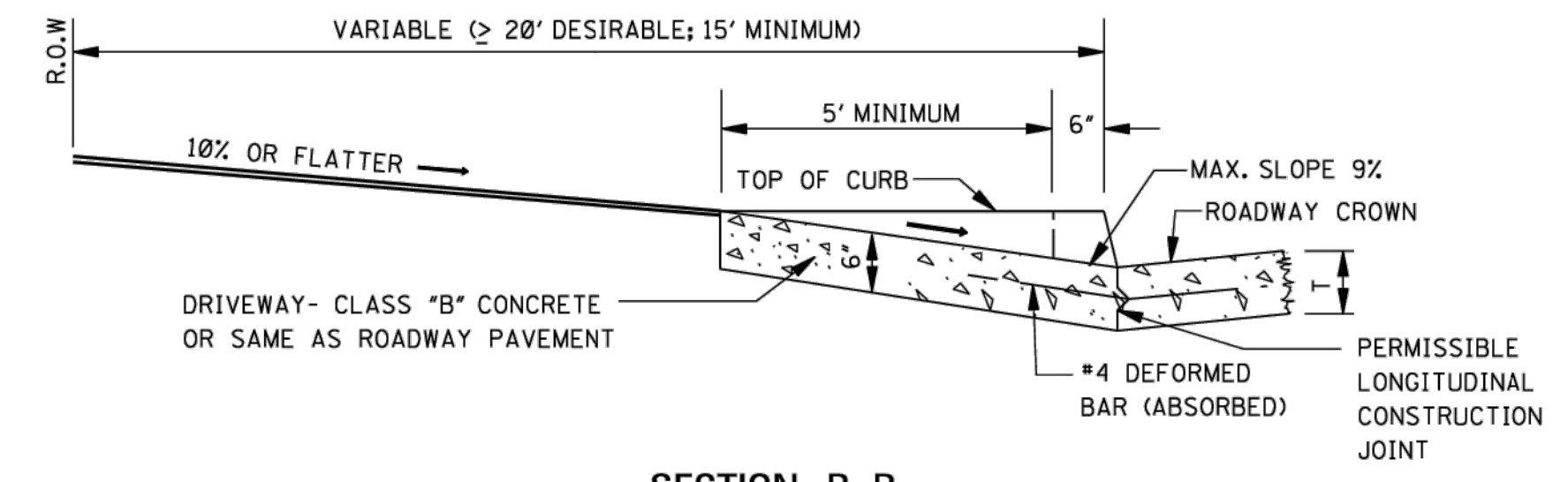
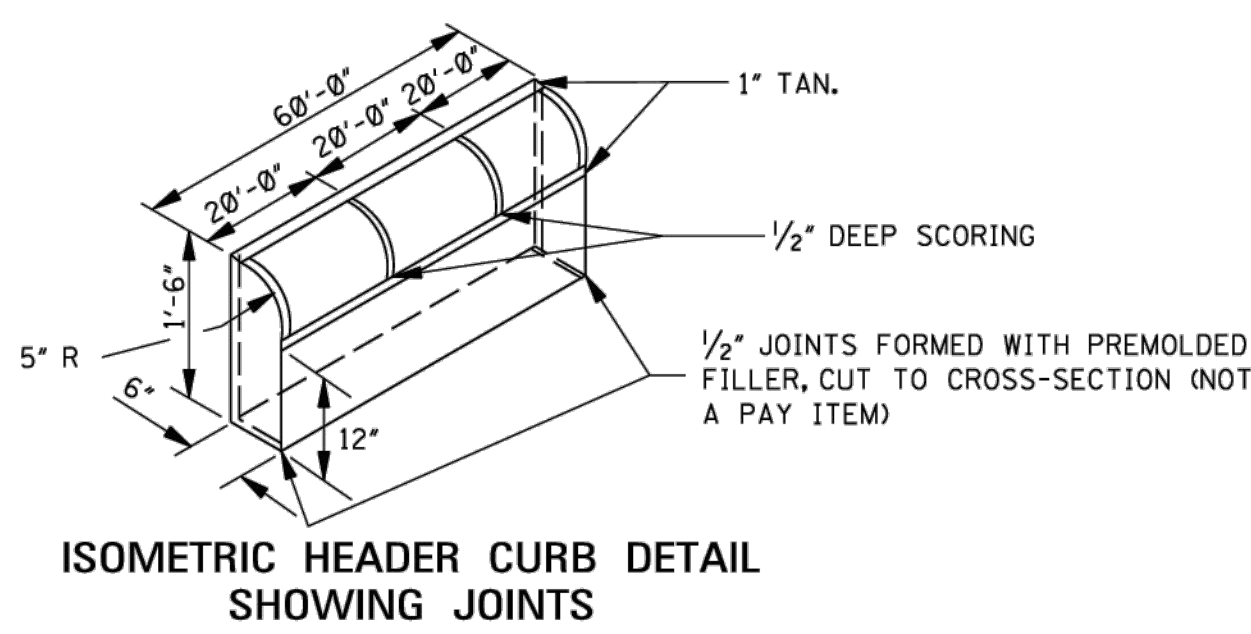
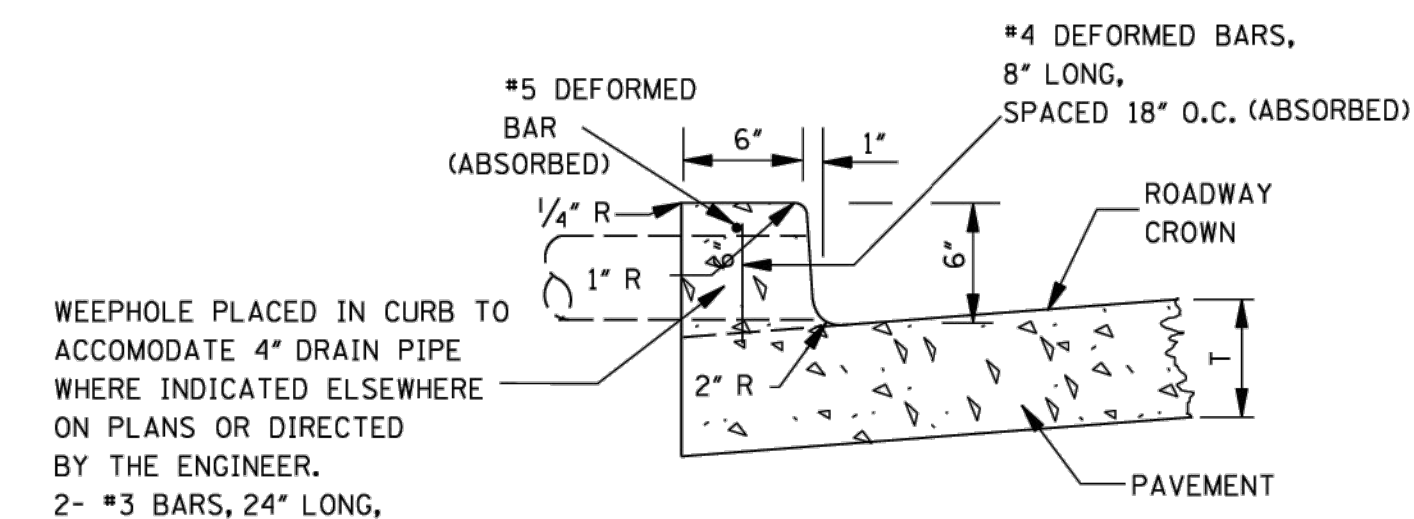
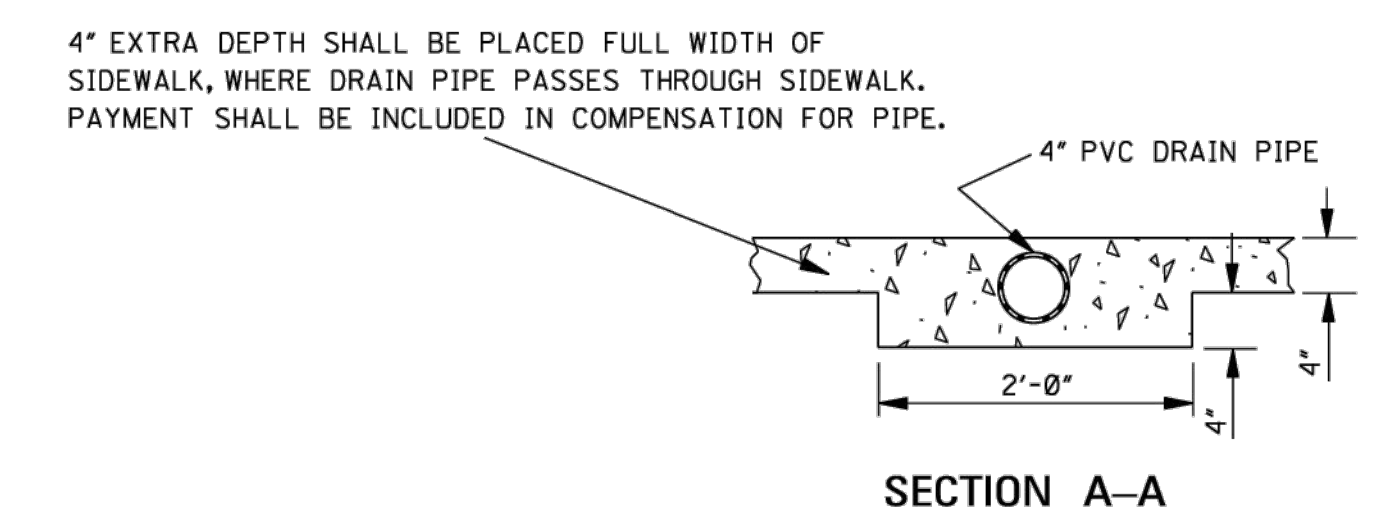
STATE	PROJECT NO.
MISS.	



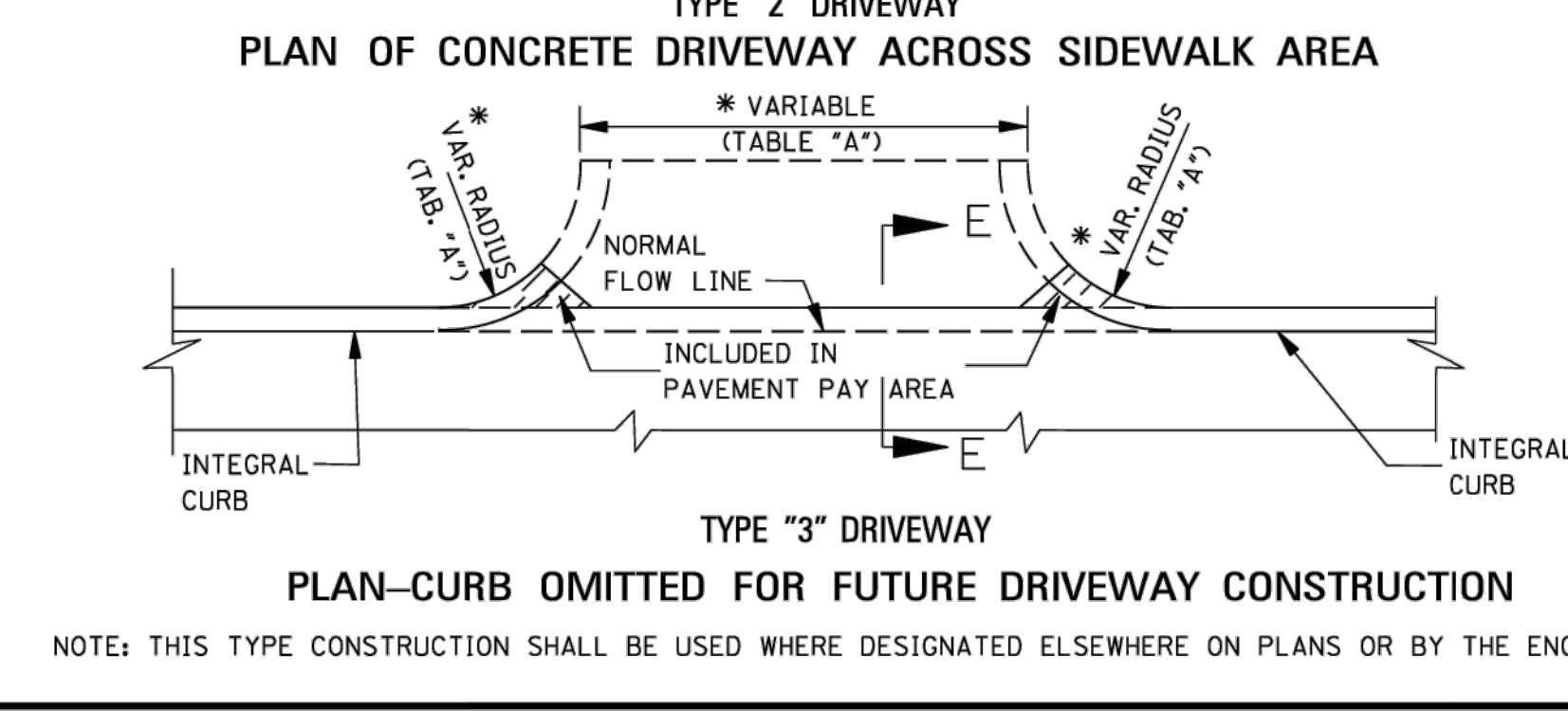
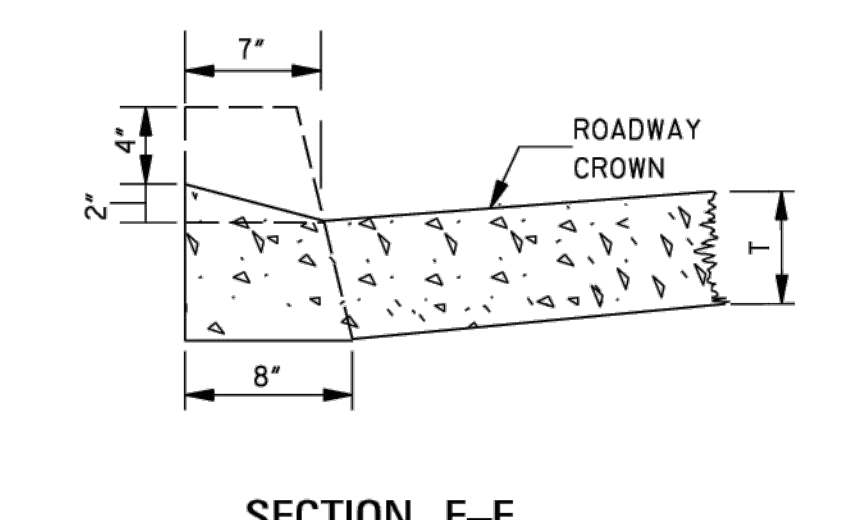
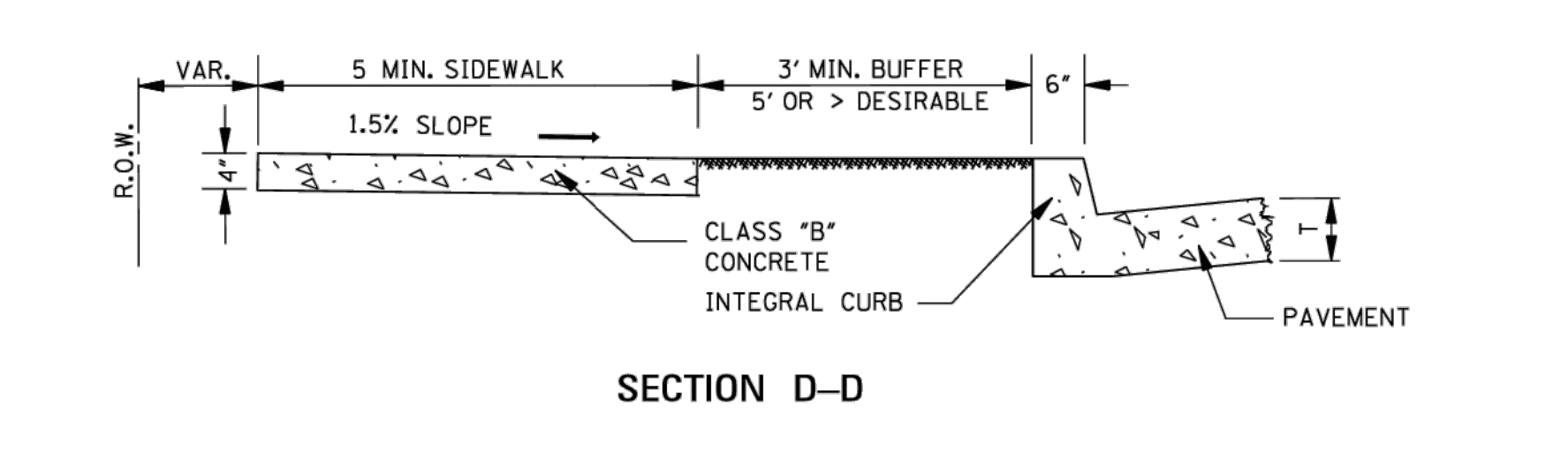
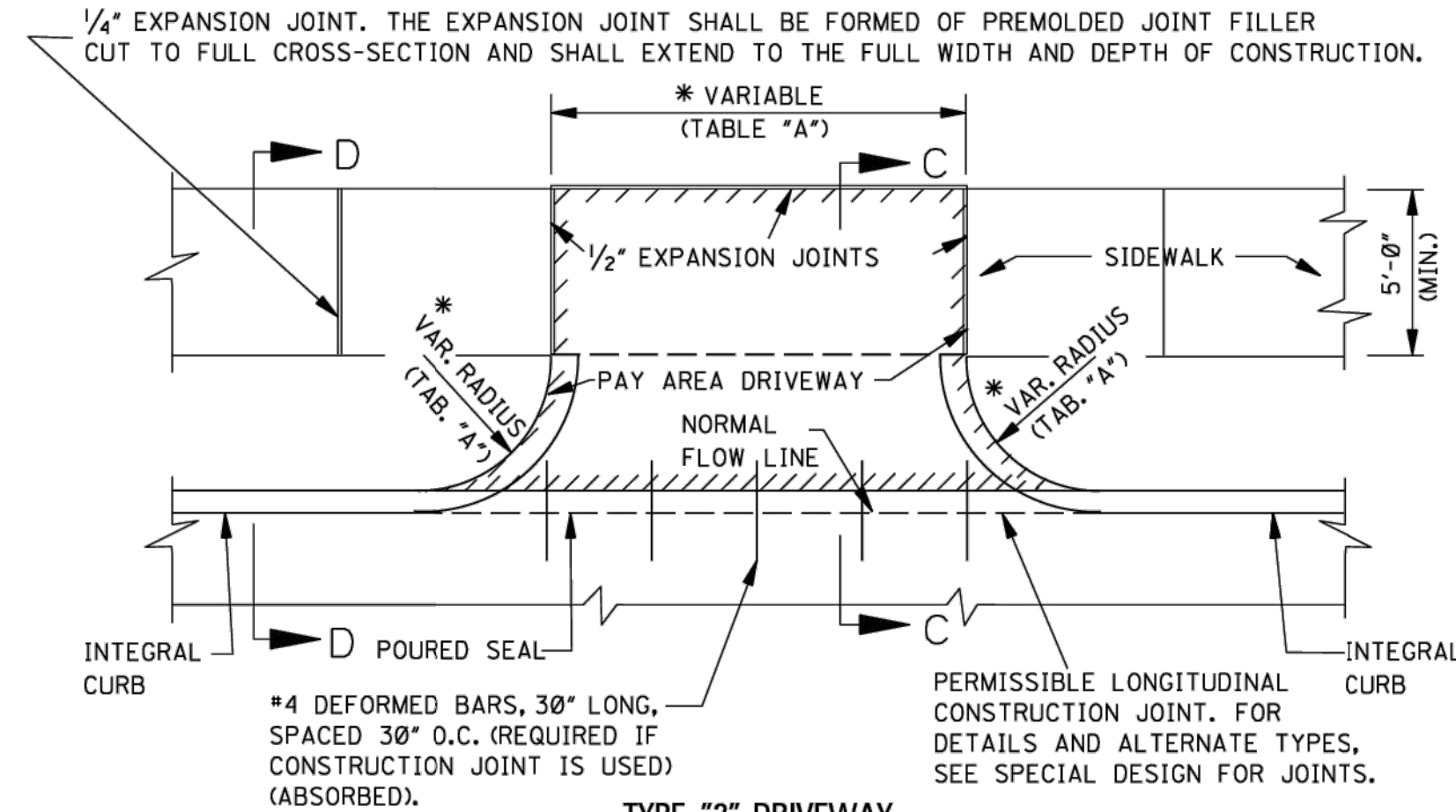
*TABLE "A"

DRIVEWAY TYPE	DRIVEWAY WIDTH (ft)	CURB RETURN RADIUS (ft)
RESIDENTIAL	16'	5' - 10'
COMMERCIAL/ INDUSTRIAL	30' - 50'	10' - 30'

5.761 yd² FOR DRIVEWAY 16'-0" IN WIDTH.
0.333 yd² FOR EACH ADDED OR SUBTRACTED FOOT OF WIDTH.
NOTE: THIS DRIVEWAY AREA EXAMPLE IS COMPUTED ON THE BASIS OF 3'-0" RADIUS. PAYMENT FOR CURB RADIUS SHALL BE INCLUDED IN COMPENSATION FOR DRIVEWAY.



- GENERAL NOTES:
- TRAVERSE CONTRACTION JOINTS ARE REQUIRED AT 20' ON CENTER FOR ALL CONCRETE DRIVEWAYS THAT EXTEND PAST THE END OF THE CURB RETURN. A 1/2" WIDE EXPANSION JOINT IS REQUIRED AT THE END OF THE CURB RETURN AND AT 60' ON CENTER THROUGHOUT THE LENGTH OF THE DRIVEWAY. A LONGITUDINAL CONTRACTION JOINT IS REQUIRED FOR ALL DRIVEWAYS EXCEEDING 20' IN WIDTH.
 - SEE WK. NOS. CR-1, CR-2, CR-3 & CR-4 FOR DETAILS OF CURB-CUT RAMPS.
 - MAXIMUM 2% CROSS-SLOPE ON SIDEWALKS.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
DRIVEWAYS, INTEGRAL CURB & SIDEWALK	
WORKING NUMBER SD-2	SHEET NUMBER 6420
ISSUE DATE: AUGUST 01, 2017	



STATE	PROJECT NO.
MISS.	

GENERAL NOTES:

1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 2' LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. ALL DETECTABLE WARNINGS SHOWN ON THIS SHEET SHALL BE PAID FOR - PER SQUARE FEET, UNLESS OTHERWISE NOTED IN THE PLANS.

DETECTABLE WARNING UNIT DIMENSIONS:

3. DETECTABLE WARNING SURFACES SHALL EXTEND 2' MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMP AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. AT PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY, DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CROSSING. AT BOARDING PLATFORMS FOR BUSES AND RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM. AT BOARDING AND ALIGHTING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS FOR RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL LENGTH OF THE TRANSIT STOP.

HOME ALIGNMENT:

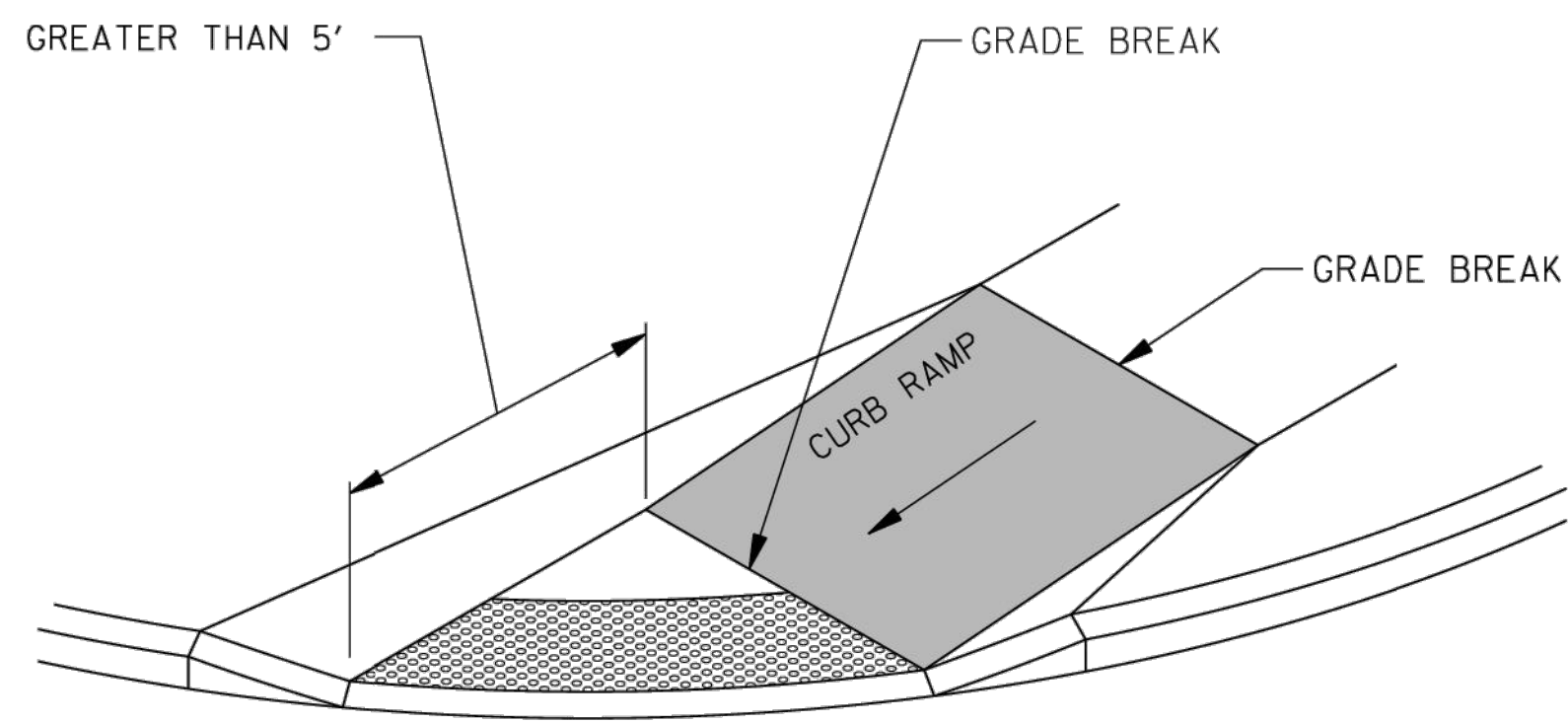
4. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK AT THE RAMP LANDING OR BETWEEN THE CURB RAMP AND THE STREET.
5. WHERE DOMES ARE ARRAYED RADially THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

COLOR REQUIREMENTS:

6. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

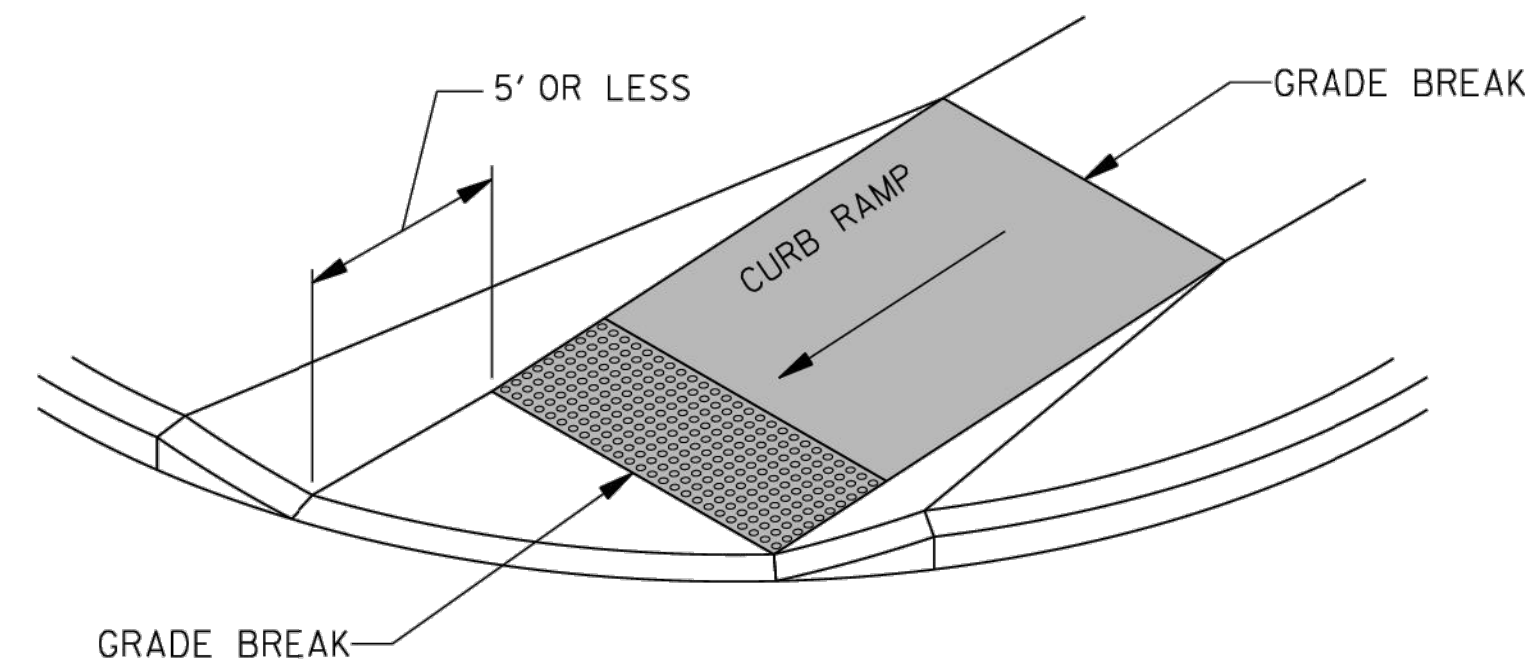
DETECTABLE WARNINGS LOCATIONS:

7. ON PERPENDICULAR CURB RAMP, WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB. WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BREAK TO THE BACK OF CURB IS 5' OR LESS, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK. WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BREAK TO THE BACK OF CURB IS MORE THAN 5', DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE LOWER LANDING AT THE BACK OF CURB.
8. ON PARALLEL CURB RAMP, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK.
9. ON BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB. WHERE RAISED PEDESTRIAN STREET CROSSINGS, DEPRESSED CORNERS, OR OTHER LEVEL PEDESTRIAN STREET CROSSINGS ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK.
10. AT CUT-THROUGH PEDESTRIAN REFUGE ISLANDS, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND AND SHALL BE SEPARATED BY A 2' MINIMUM LENGTH OF SURFACE WITHOUT DETECTABLE WARNINGS.
11. AT PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY, DETECTABLE WARNING SURFACES SHALL BE PLACED ON EACH SIDE OF THE RAIL CROSSING. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE RAIL CROSSING SHALL BE 6' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. WHERE PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL.
12. AT BOARDING PLATFORMS FOR BUSES AND RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BOARDING EDGE OF THE PLATFORM.
13. AT BOARDING AND ALIGHTING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS FOR RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE SIDE OF THE BOARDING AND ALIGHTING AREA FACING THE RAIL VEHICLES.



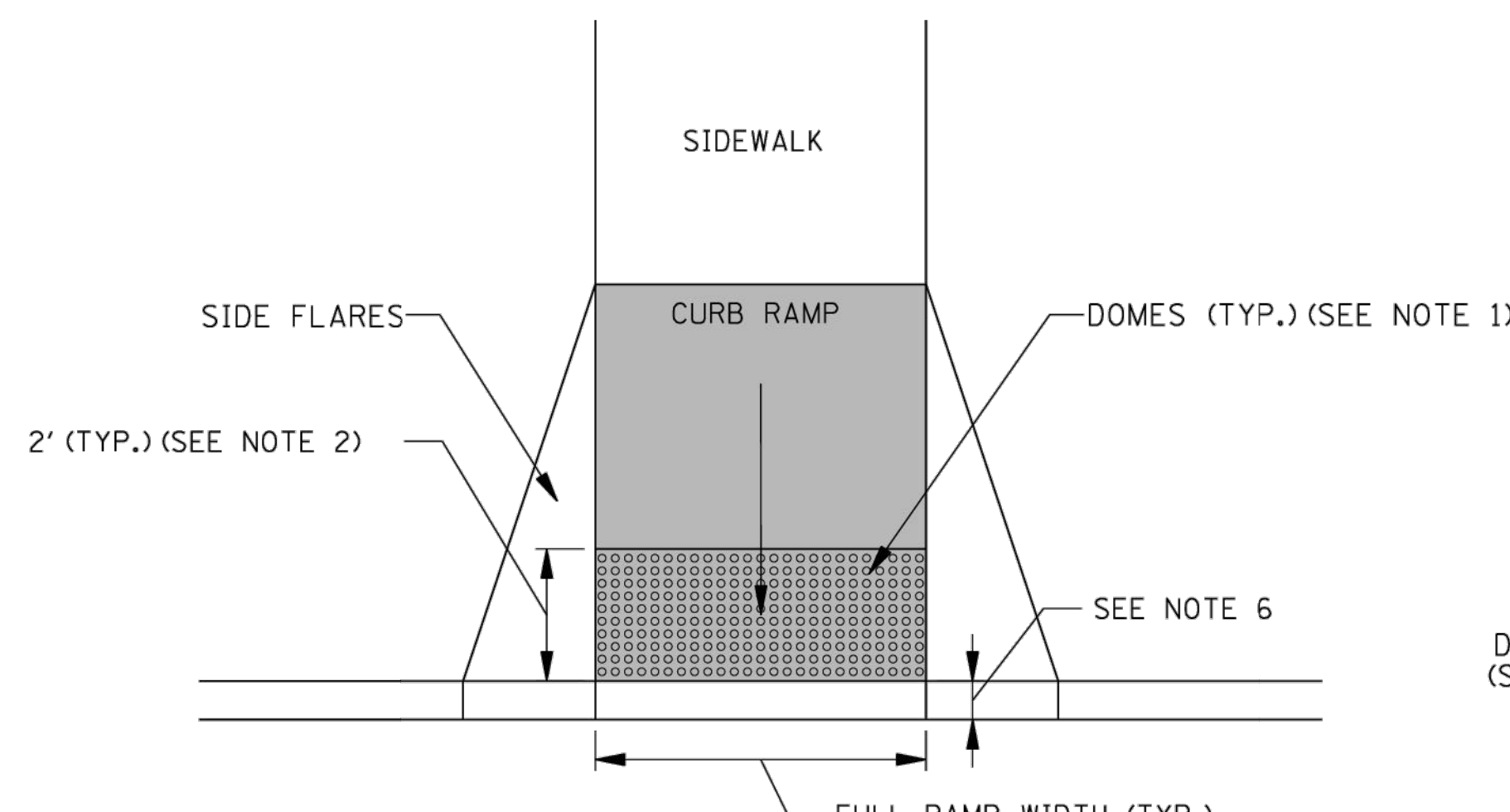
DETECTABLE WARNING PLACEMENT DETAIL 1

NOTE: IF THE DISTANCE FROM THE GRADE BREAK IS GREATER THAN OR EQUAL TO 5', DETECTABLE WARNINGS SHALL BE PLACED ALONG THE RADIUS OF THE CURVE AS SHOWN IN THE ABOVE DETAIL.

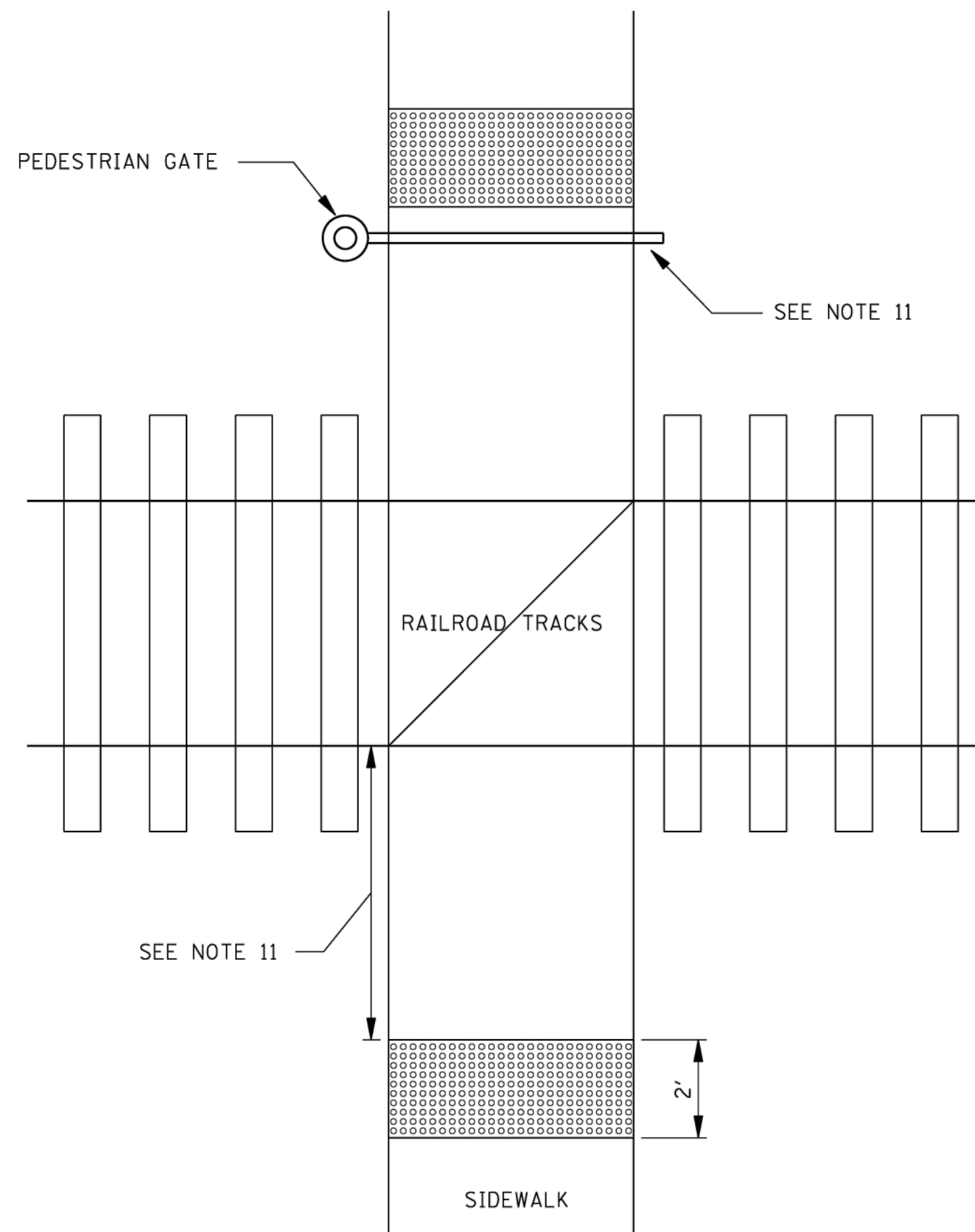


DETECTABLE WARNING PLACEMENT DETAIL 2

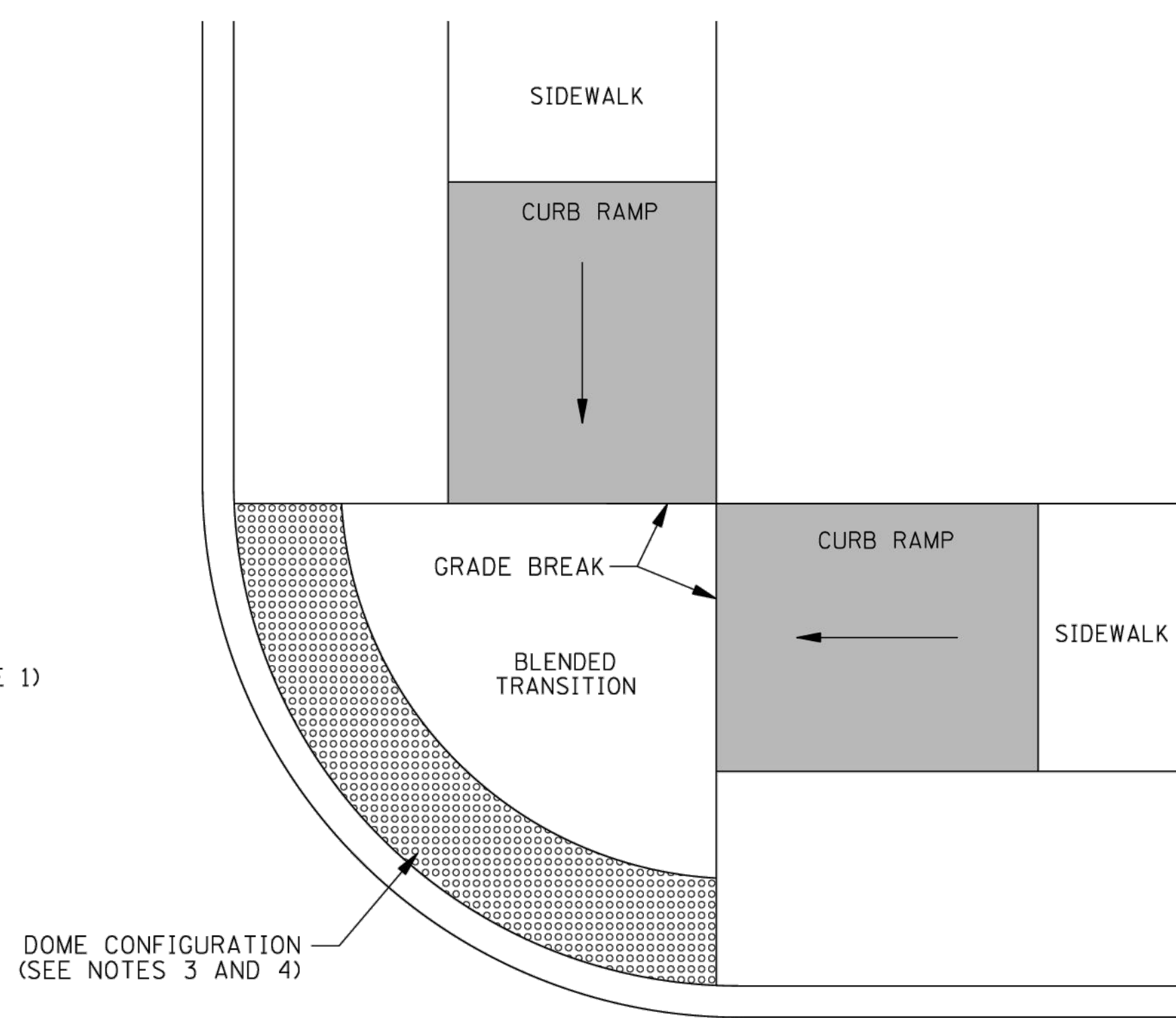
NOTE: IF THE DISTANCE FROM THE GRADE BREAK IS LESS THAN OR EQUAL TO 5', DETECTABLE WARNINGS SHALL BE PLACED ON THE CURB RAMP ALONG THE BOTTOM GRADE BREAK WITH ONE CORNER 5' TO 9' FROM THE FRONT OF THE CURB OR EDGE OF THE ROADWAY.



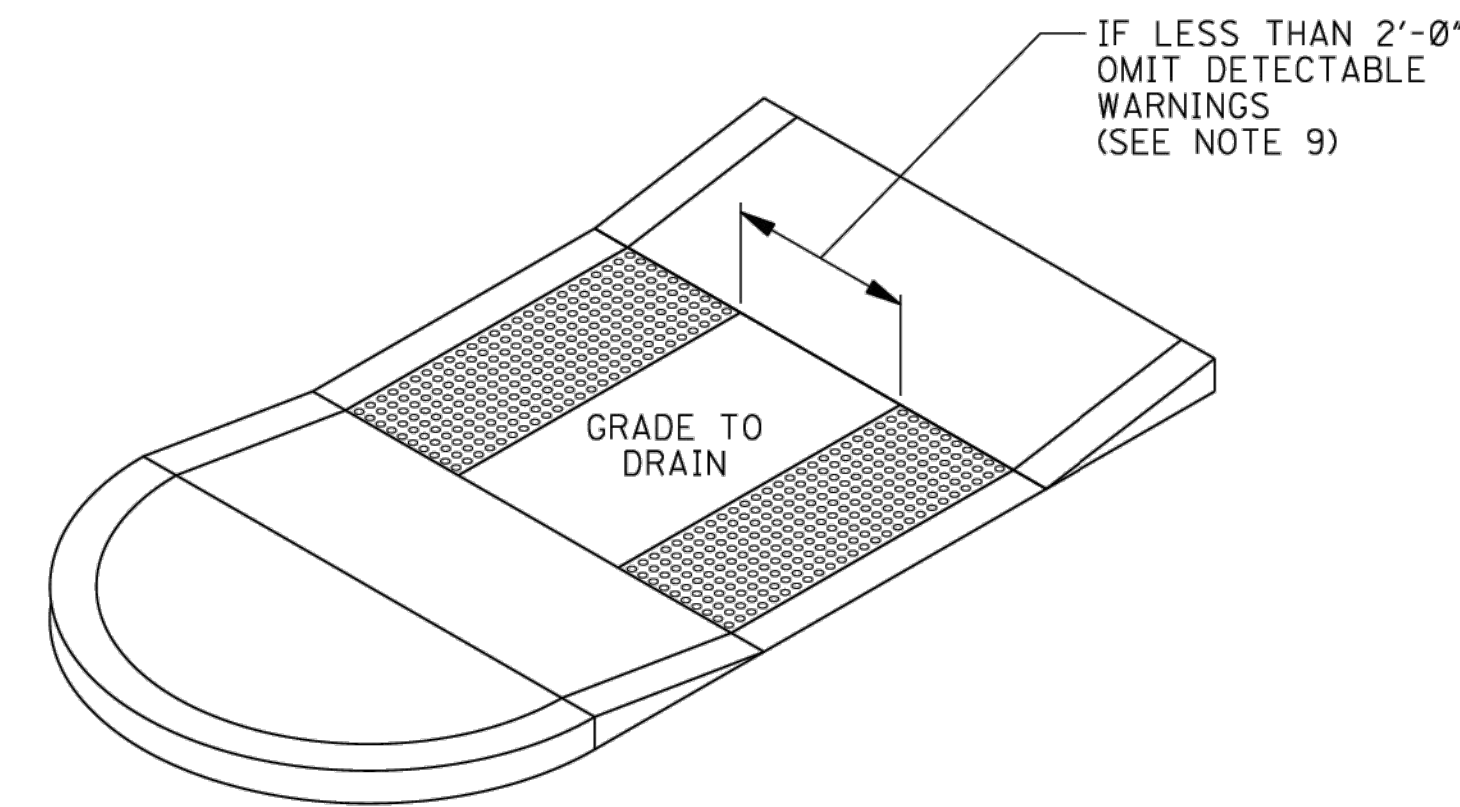
DETECTABLE WARNING AT CURB RAMP



DETECTABLE WARNINGS AT RAILROAD CROSSING

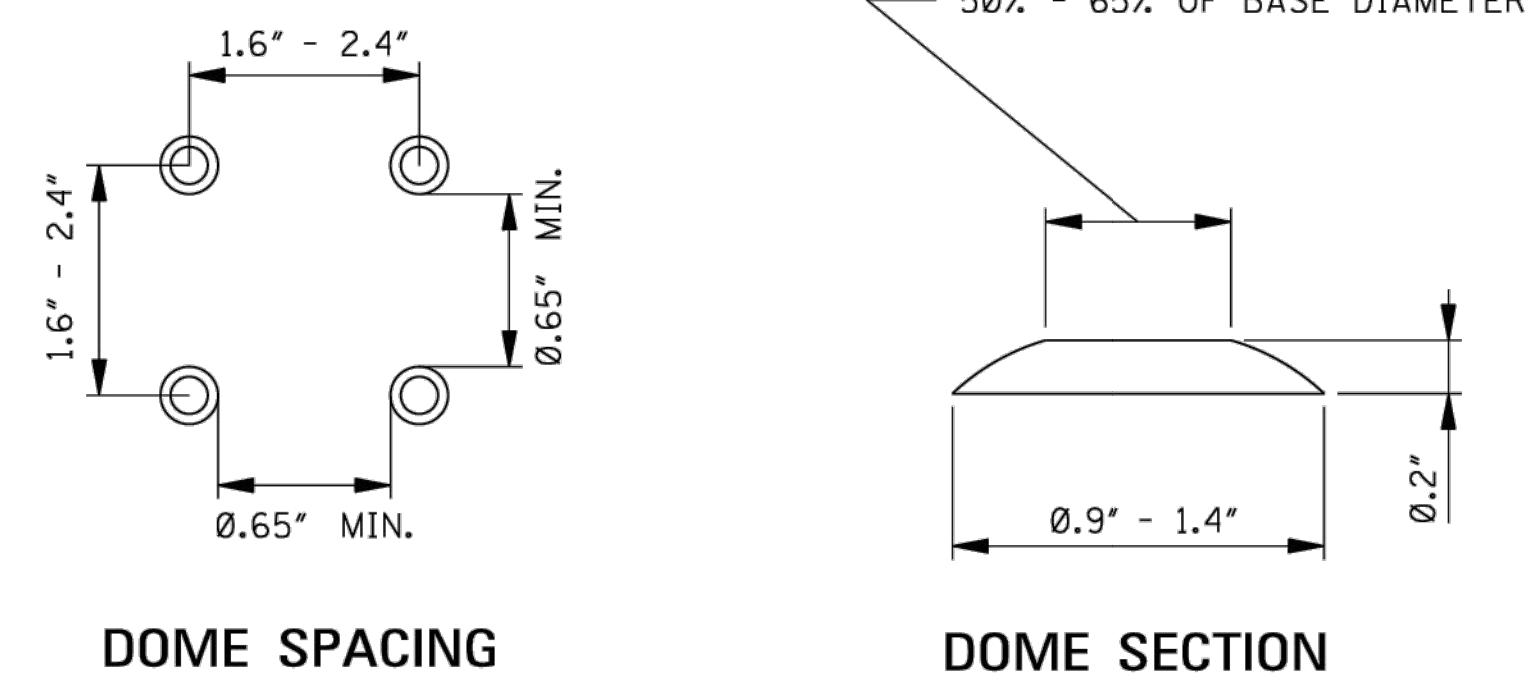


DETECTABLE WARNING AT BLENDED TRANSITION (CONFIGURATION: TYPES K AND J)



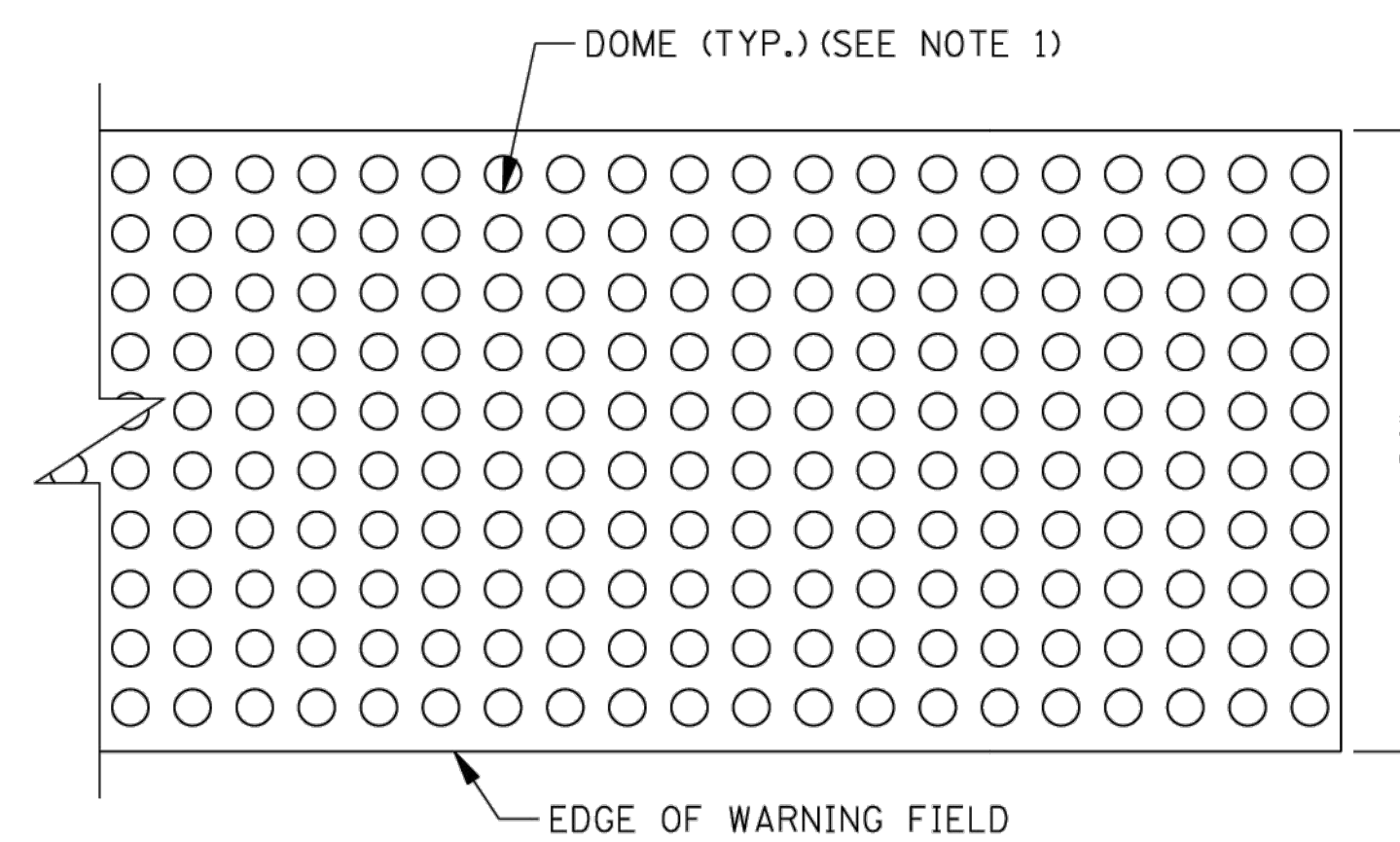
DETECTABLE WARNINGS AT MEDIAN ISLANDS

NON-ELEVATED CROSSING



DOME SPACING

DOME SECTION



DETECTABLE WARNING LAYOUT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
CURB RAMPS DETECTABLE WARNING DETAILS	
MDOT MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
WORKING NUMBER CR-4	SHEET NUMBER 6424
DATE	ISSUE DATE: AUGUST 01, 2017



STATE	PROJECT NO.
MISS.	

STANDARD INSTALLATION DETAIL

TABLE 1: BEDDING AND BACKFILL REQUIREMENTS

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN CROSS DRAIN AND STORM DRAIN APPLICATIONS
A. BEDDING SHALL BE CLASS B IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
B. BACKFILL MATERIAL SHALL BE ONE OF THE FOLLOWING:
1. FLOWABLE FILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
2. CRUSHED STONE AGGREGATE BACKFILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
IF FLOWABLE FILL IS UTILIZED, CARE SHALL BE TAKEN TO PREVENT "FLOATING" OF THE PIPE. THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID PIPE ALTERNATE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID PIPE BEDDING AND BACKFILL MATERIAL.
BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN SIDE DRAIN APPLICATIONS
A. BEDDING SHALL BE CLASS C IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
B. BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. PIPES THAT SERVE AS A SIDE DRAIN ON DEPARTMENT RIGHT OF WAY, BUT CARRY DRAINAGE UNDER A COUNTY OR LOCAL ROAD SHALL ADHERE TO THE BEDDING AND BACKFILL REQUIREMENTS FOR A CROSS DRAIN CONTAINED ABOVE.
THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID ALTERNATE PIPE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID BEDDING AND BACKFILL MATERIAL.

TABLE 2:
HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
HEIGHT OF COVER

NOMINAL DIAMETER IN.	MINIMUM COVER IN.	MAXIMUM COVER - FT.	
		CROSS DRAIN	SIDE DRAIN
12	12	38	11
15	12	36	12
18	12	35	11
24	12	30	10
30	12	25	9
36	21	29	10
42	21	27	9
48	21	25	8

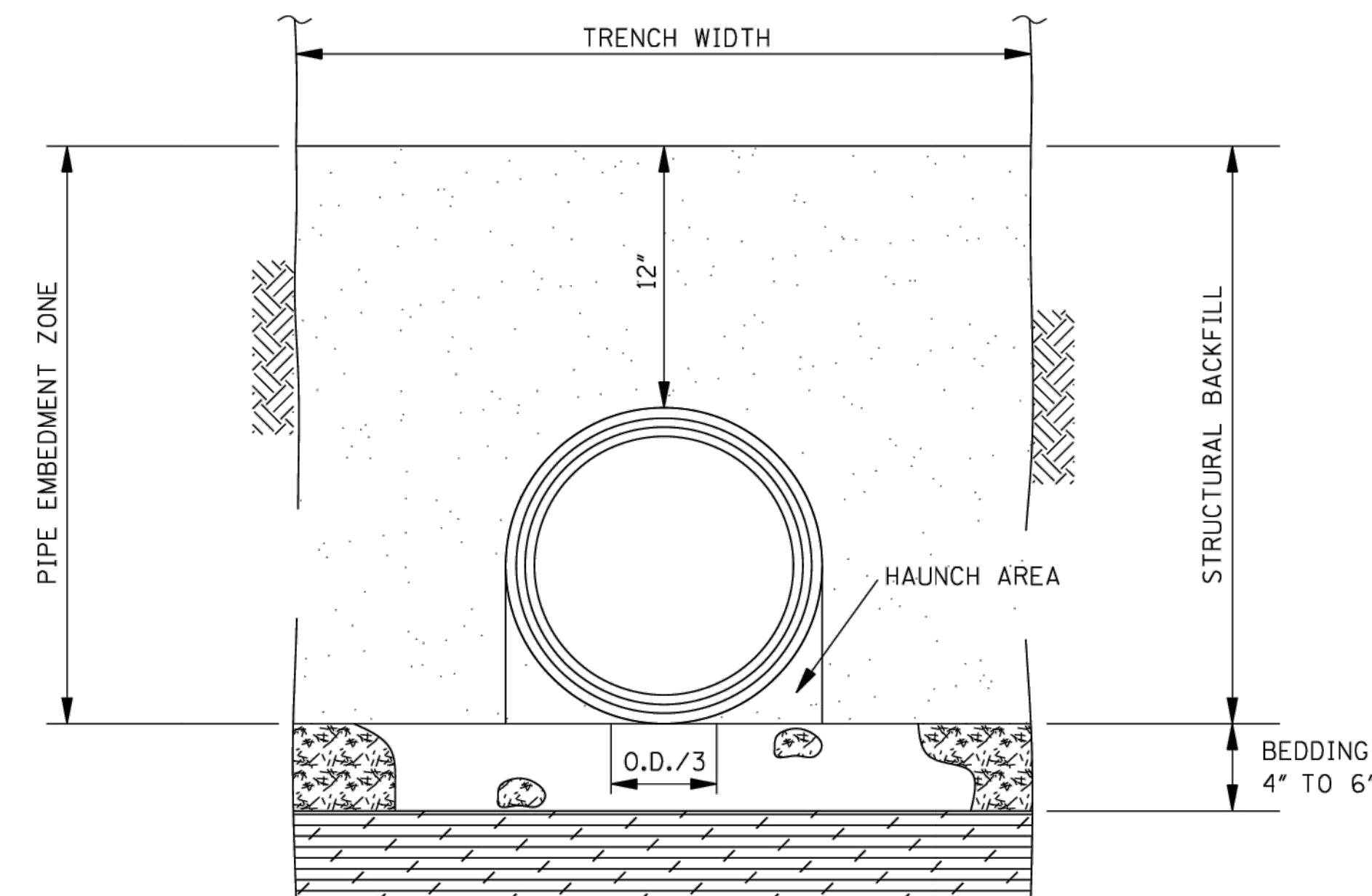
TABLE 3: RECOMMENDED TRENCH WIDTH

DIAMETER IN.	O.D. IN.	TRENCH WIDTH IN.
12	14.45	34
15	17.57	38
18	21.20	44
24	27.80	54
30	35.10	65
36	41.70	75
42	47.70	84
48	53.60	92

THE TRENCH WIDTH MUST BE WIDE ENOUGH TO ACCOMMODATE COMPACTION EQUIPMENT

TABLE 4: MULTIPLE INSTALLATION OF
POLYETHYLENE PIPES

DIAMETER OF PIPE IN.	CLEAR DISTANCE BETWEEN PIPES FT., IN.
18	1'-2"
24	1'-5"
30	1'-8"
36	1'-11"
42	2'-2"
48	2'-5"



TRENCH CROSS SECTION SHOWING TERMINOLOGY

GENERAL NOTES:

- MATERIALS**
THERMOPLASTIC PIPE
POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION.
DESIGNATION OF TYPE: TYPE S: THIS PIPE WILL HAVE A FULL CIRCULAR CROSS SECTION WITH AN OUTER CORRUGATED PIPE WALL AND A SMOOTH INNER LINER.
BEDDING MATERIAL AND STRUCTURAL BACKFILL
BEDDING MATERIAL AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1.
- JOINTS**
JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOILTIGHTNESS UNLESS WATERTIGHTNESS IS SPECIFIED.
SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS:
A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
B) BELL AND SPIGOT PIPE ENDS (WITH OR WITHOUT GASKETS)
C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)
- INSTALLATION**
MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 3.
THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.
A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE.
STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8" LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE WITH AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD DENSITY PER AASHTO T 99 SHALL BE ACHIEVED.
MINIMUM COVER REQUIREMENTS SHALL MEET THE REQUIREMENTS OF TABLE 2.
FOR MULTIPLE INSTALLATIONS OF POLYETHYLENE PIPES, A CLEAR DISTANCE BETWEEN THE PIPES SHALL MEET THE REQUIREMENTS OF TABLE 4.
- CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 19.**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
FLEXIBLE PIPE CULVERT INSTALLATION	
WORKING NUMBER PI-2	SHEET NUMBER 6502
DATE	ISSUE DATE: AUGUST 01, 2017

Meridian High School Baseball/Softball
2820 32nd St., Meridian, MS 39305

100%
Construction
Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date



STATE	PROJECT NO.
MISS.	

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
A	#4	2 PER PIPE OPENING	$\sqrt{196^2 + \left(\frac{W}{2} + 2\right)^2}$
B	#4	2	$W_{1-3} - 6"$
C	#4	2	$W_{2-4} - 6"$
D	#4	4	$H - 6"$
E	#4	$2 \left[\left(\frac{W_{1-3}}{9} \right) ** + 1 \right]$	$W_{2-4} - 4"$
F	#4	$2 \left[\left(\frac{W_{2-4}}{9} \right) ** + 1 \right]$	$W_{1-3} - 4"$

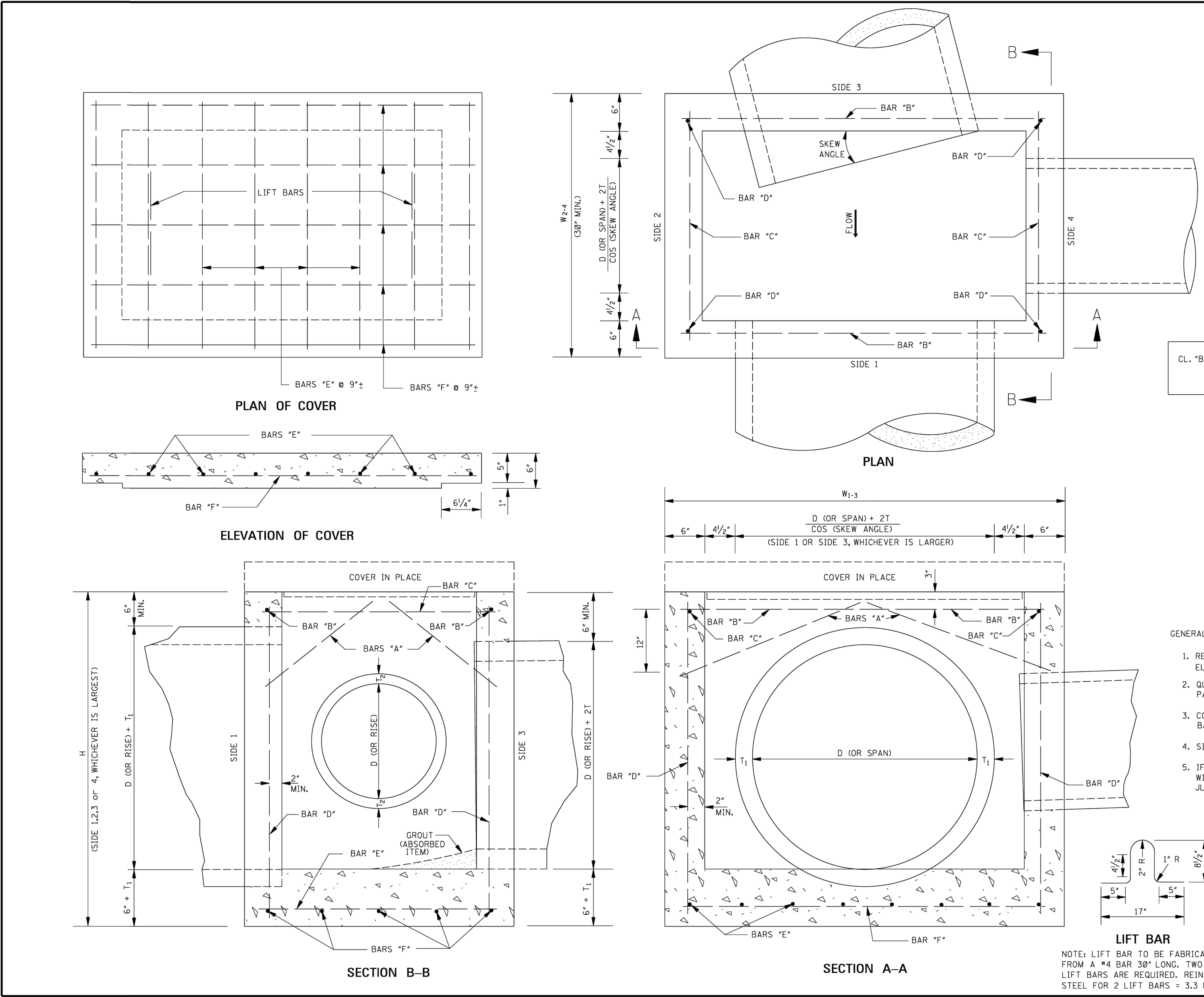
NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
 D (OR SPAN) = PIPE DIAMETER (OR SPAN)
 W₁₋₃ = WIDTH OF SIDE 1 & SIDE 3
 W₂₋₄ = WIDTH OF SIDE 2 & SIDE 4
 W* = W₁₋₃ OR W₂₋₄ (SIDE OF ENTERING PIPE)
 ** = ROUND TO NEAREST WHOLE NUMBER

CL. *B* CONC. (yd³) = [(Q1 + Q2) / 46,656] - Σ PIPE OPENING DEDUCTIONS
 WHERE: Q1 = [5*W₁₋₃W₂₋₄] + [1*(W₁₋₃ - 12.5*W₂₋₄ - 12.5*W) + [(T₁ + 6*)W₁₋₃W₂₋₄]
 Q2 = 12*H - (T₁ + 6*) [(W₁₋₃ - 12*) + W₂₋₄]

COMMON PIPE SIZE					
CIRCULAR PIPE			ARCH PIPE		
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)	PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)
18"	2 1/2"	0.053	22" x 13"	2 1/2"	0.053
24"	3"	0.091	29" x 18"	3"	0.087
30"	3 1/2"	0.138	36" x 23"	3 1/2"	0.129
36"	4"	0.196	44" x 27"	4"	0.185
42"	4 1/2"	0.263	51" x 31"	4 1/2"	0.245
48"	5"	0.340	58" x 36"	5"	0.318
54"	5 1/2"	0.427	65" x 40"	5 1/2"	0.394
60"	6"	0.524	73" x 45"	6"	0.489
66"	6 1/2"	0.630			
72"	7"	0.747			

- GENERAL NOTES:
- REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
 - QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS.
 - SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
 - IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.

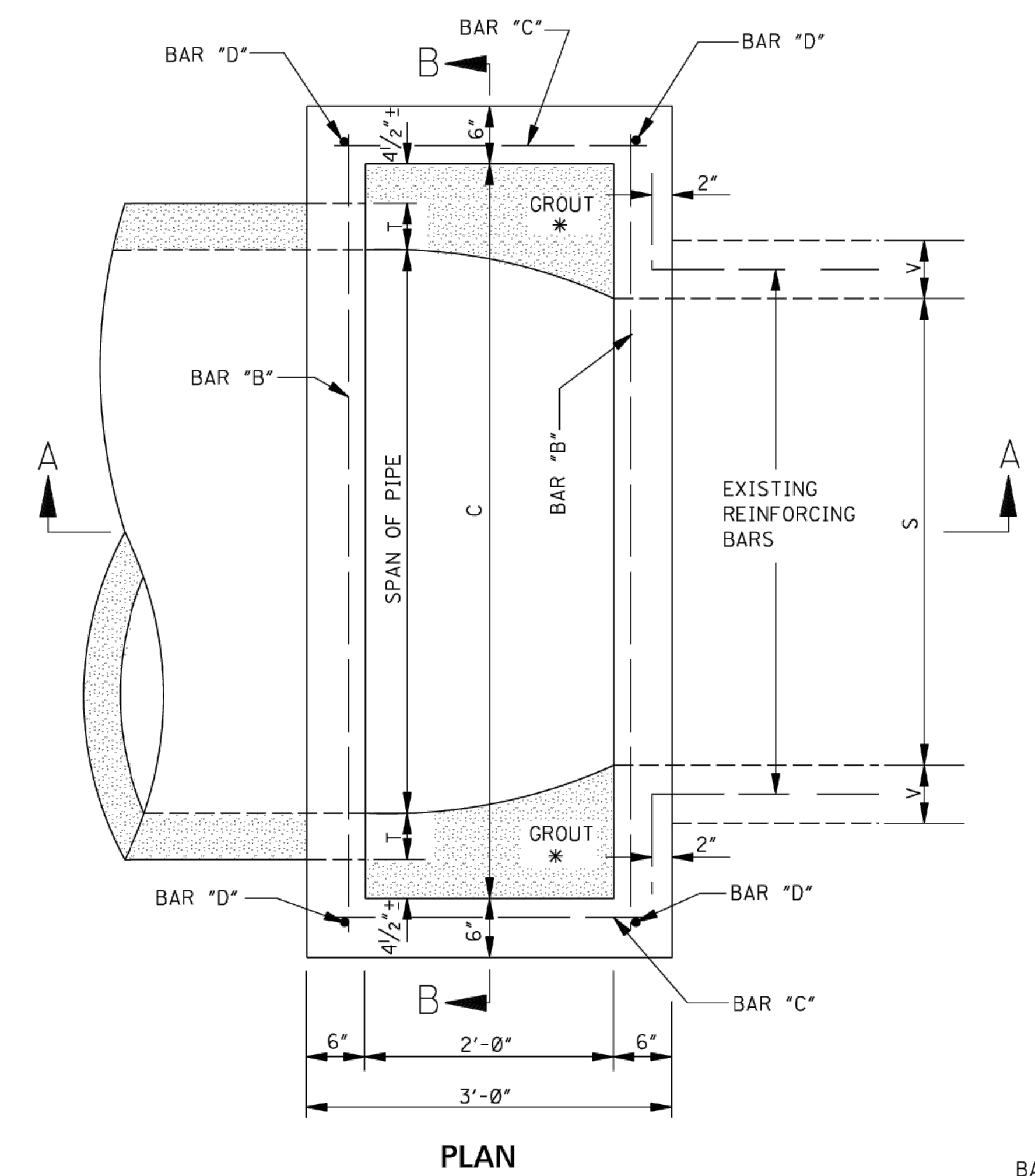
BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		ROADWAY DESIGN DIVISION	
DATE		STANDARD PLAN	
JUNCTION BOX FOR PIPE CULVERTS			
WORKING NUMBER		JB-1	
SHEET NUMBER		6504	
ISSUE DATE: AUGUST 01, 2017			



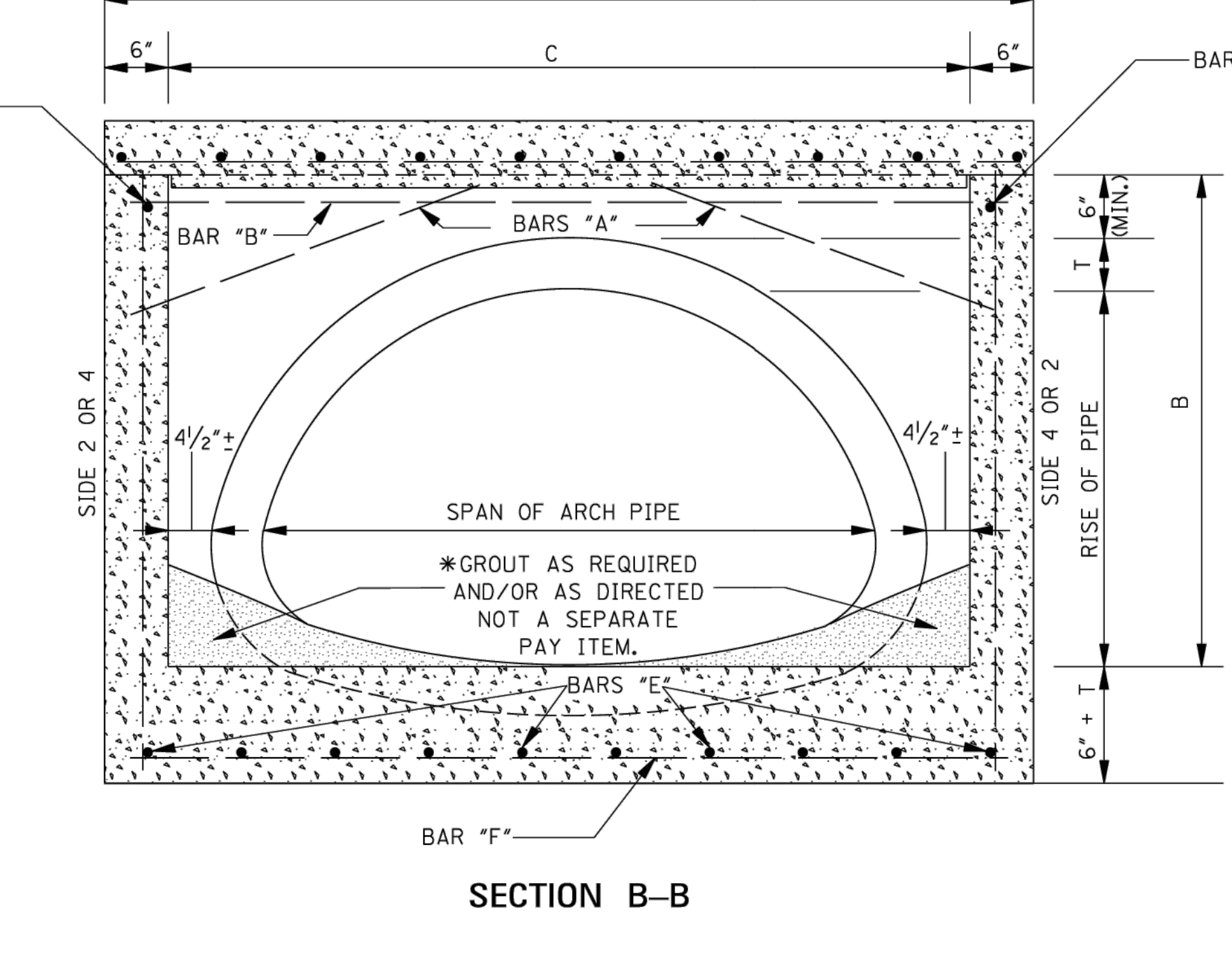
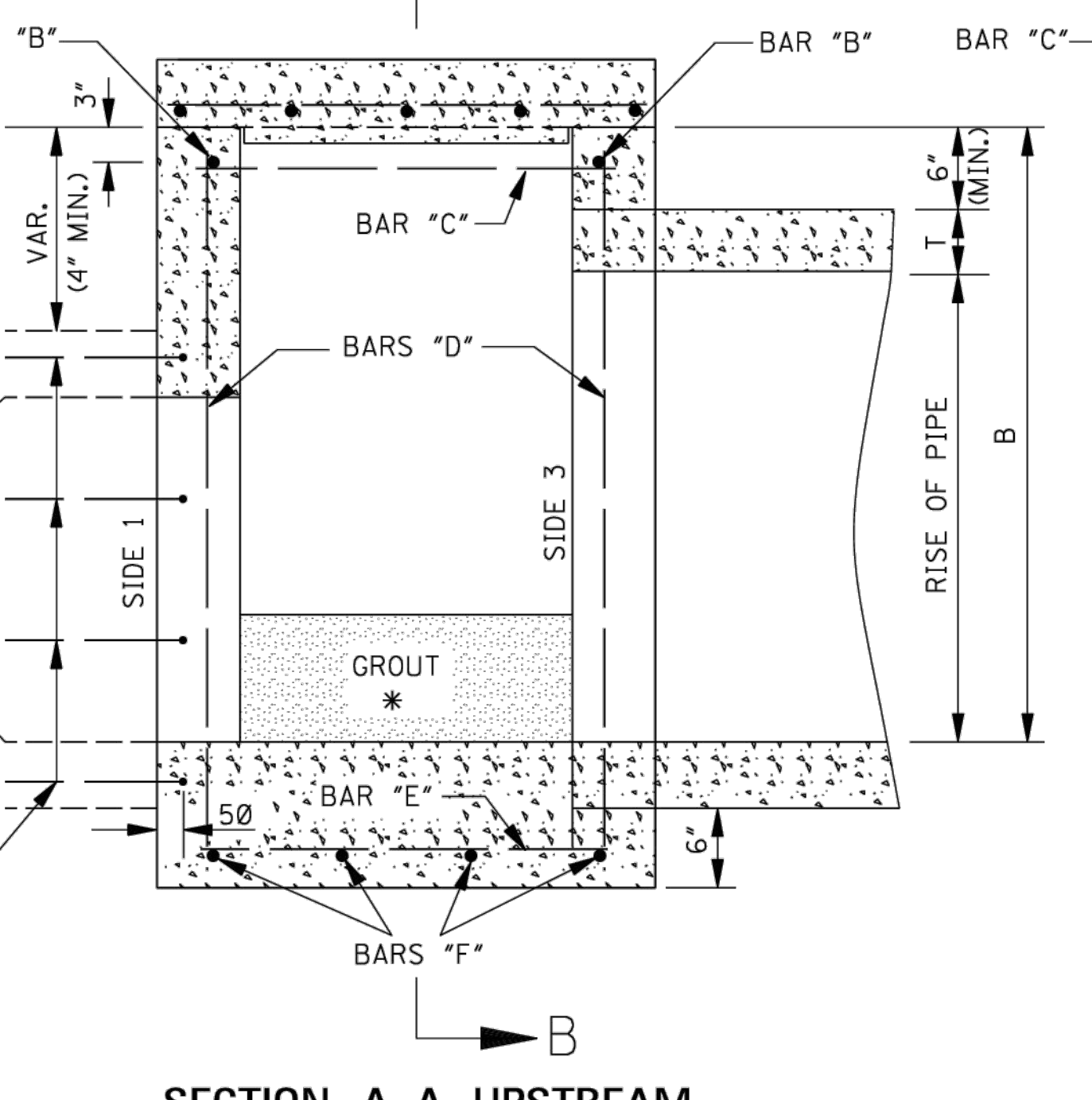
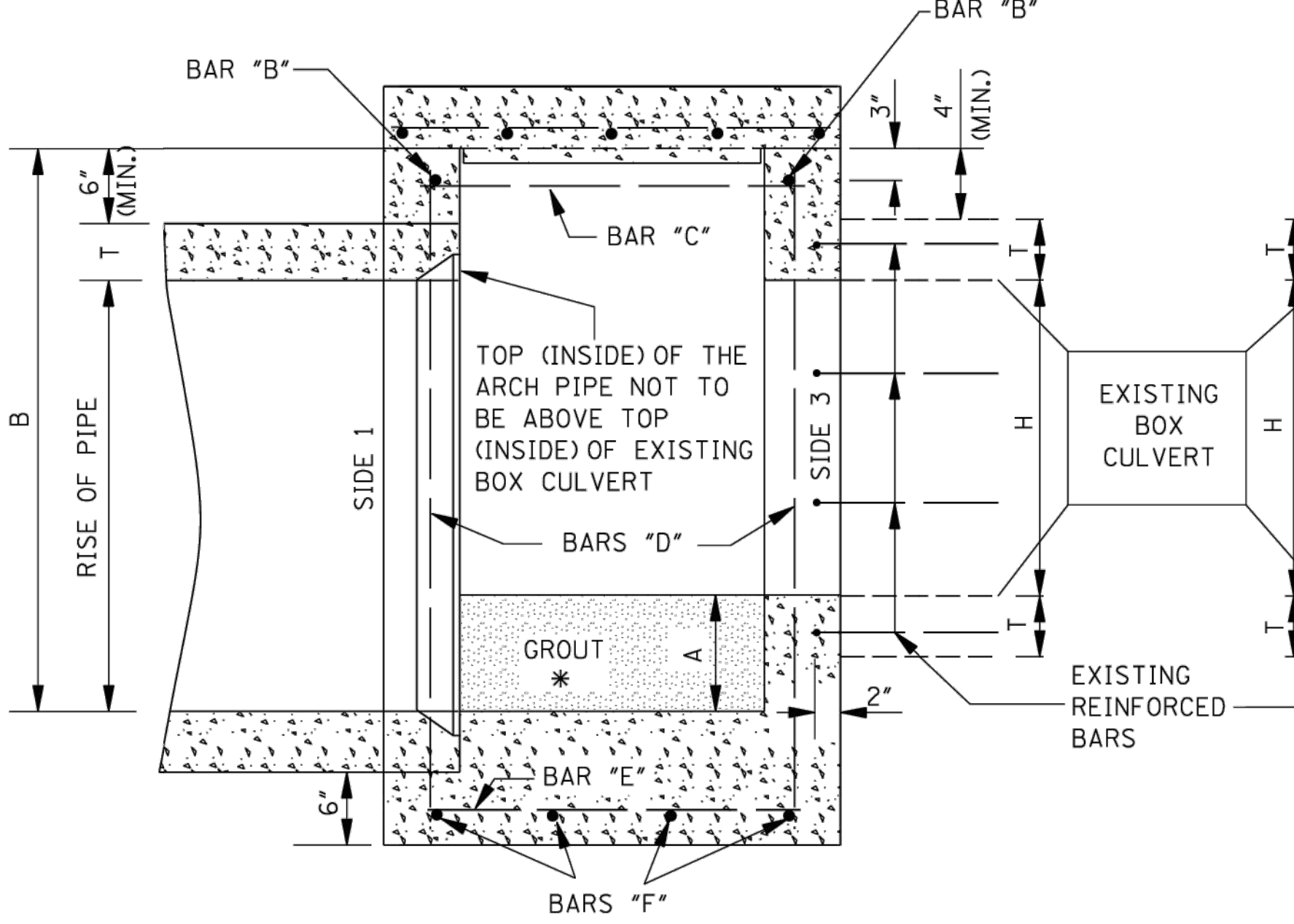
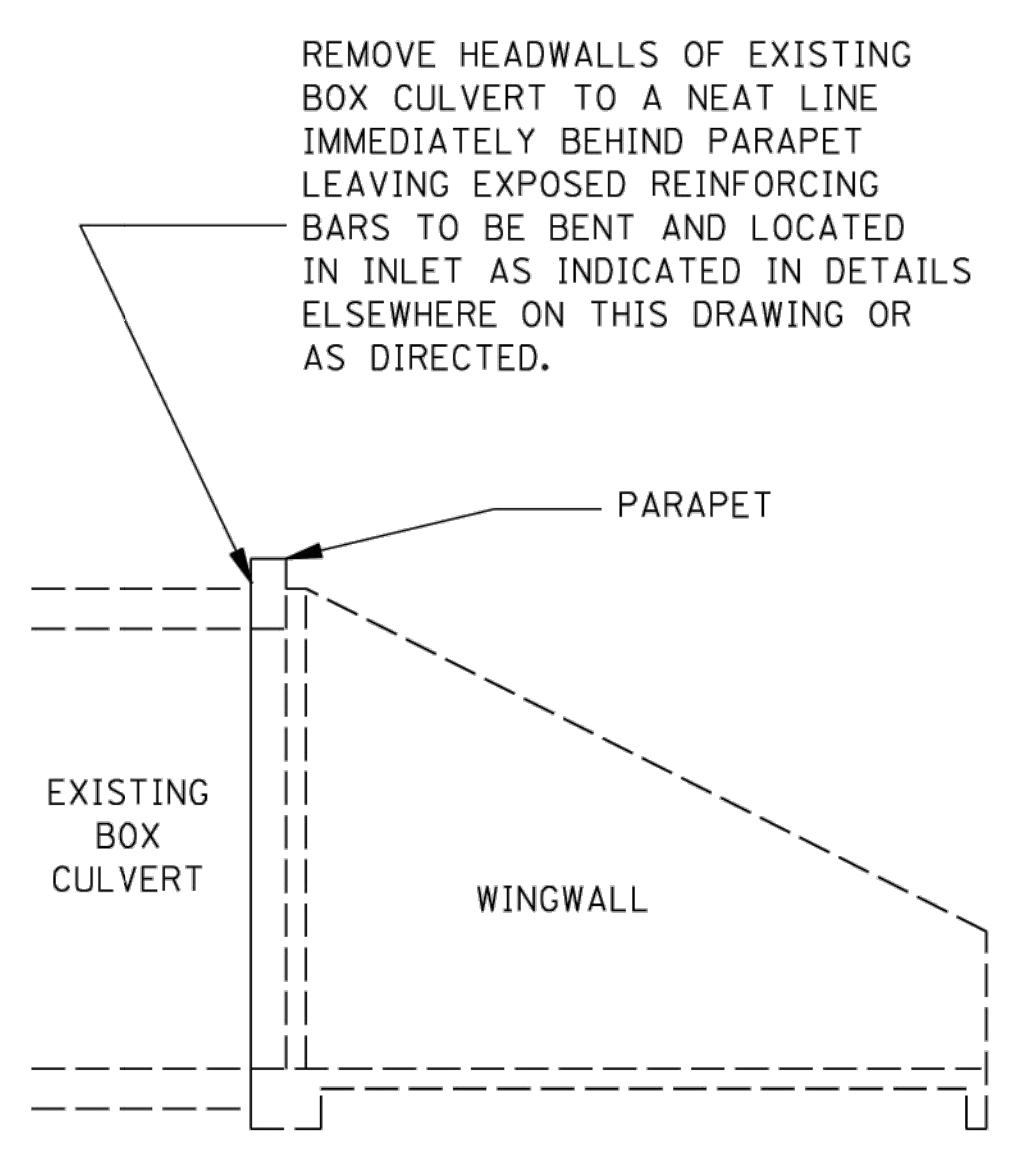
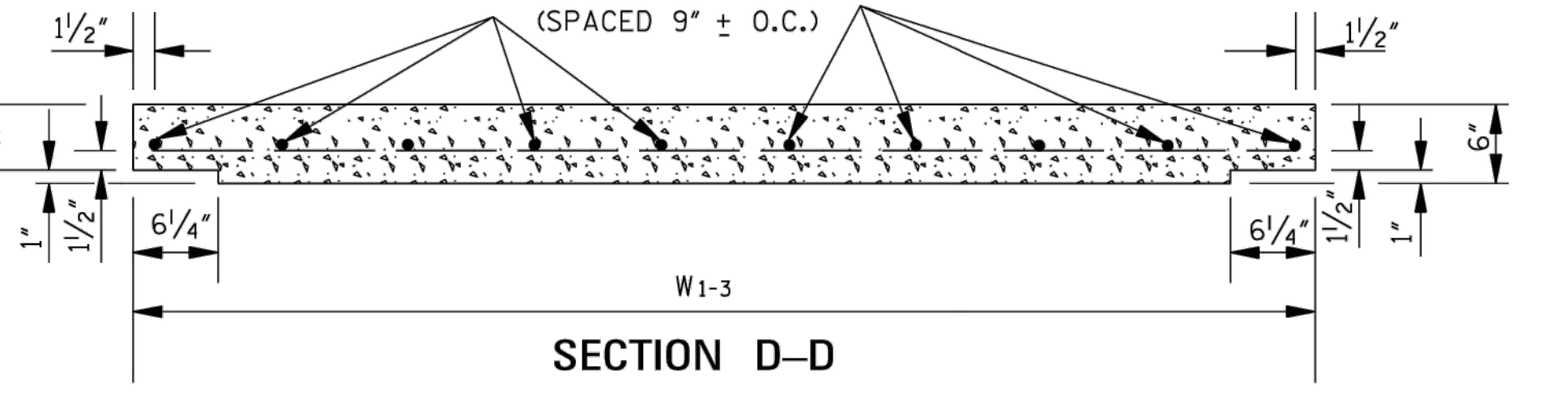
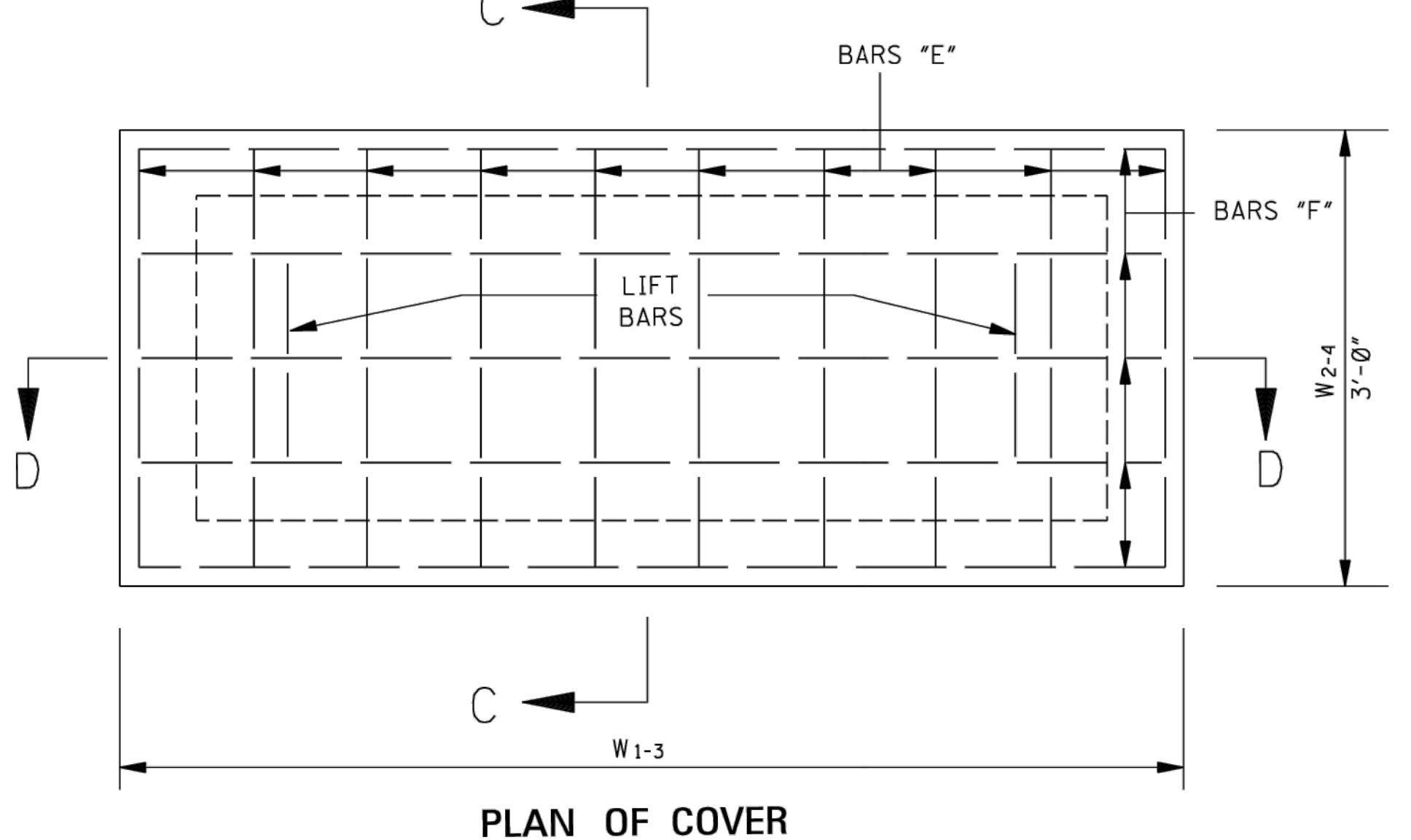
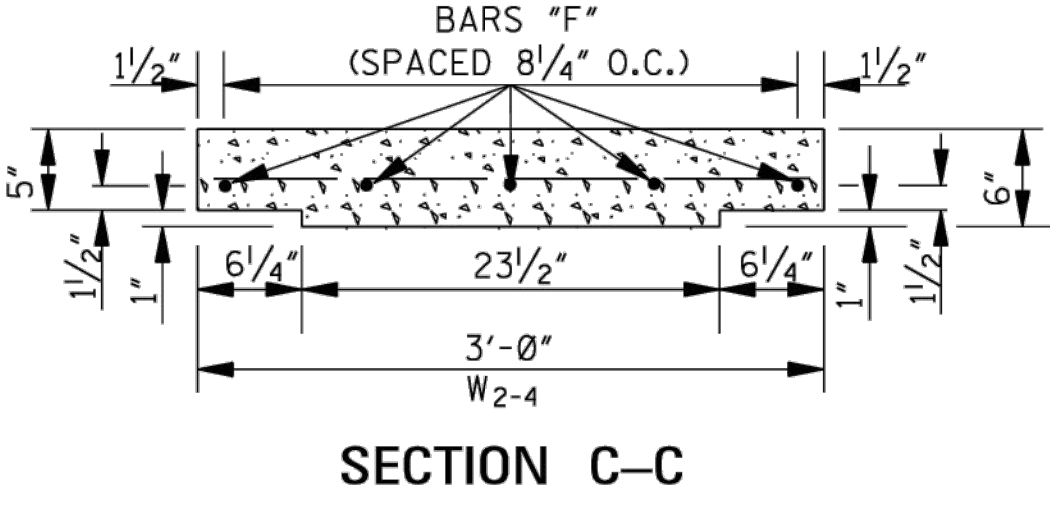
NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.



STATE	PROJECT NO.
MISS.	



LIFT BAR
NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.



- GENERAL NOTES:**
1. THE QUANTITIES SHOWN WILL BE USED AS THE BASIS FOR PAYMENT UNLESS THIS DRAWING IS MODIFIED.
 2. CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE SIZE #4 DEFORMED BARS.
 3. SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
 4. ESTIMATE AN ADDITIONAL 3.3 lbs. FOR 2 LIFT BARS.
 5. CONCRETE QUANTITIES SHOWN HAVE BEEN ADJUSTED FOR BOX & PIPE OPENING DEDUCTIONS.

DIMENSIONS OF EXISTING BOX CULVERT				DIMENSIONS OF JUNCTION BOX REQUIRED			DIMENSIONS OF PRECAST COVER		DIMENSIONS OF ARCH PIPE REQUIRED				CLASS "B" STRUCTURAL CONCRETE (yd ³)	REINFORCING STEEL (lbs)	BAR LIST					
S	H	T	V	A	B	C	W1-3	W2-4	S	R	L	T			"A"	"B"	"C"	"D"	"E"	"F"
2'	2'	6"	6"	0"	32 1/2"	52"	5'-4"	3'	36"	23"	6"	3 1/2"	1.532	78	2 @ 3'-1"	2 @ 4'-10"	2 @ 2'-6"	4 @ 3'-3"	16 @ 2'-6"	9 @ 4'-10"
3'	2'	6 1/2"	6"	3"	37"	61"	6'-1"	3'	44"	27"	8"	4"	1.764	89	2 @ 3'-5"	2 @ 5'-7"	2 @ 2'-6"	4 @ 3'-8"	18 @ 2'-6"	9 @ 5'-7"
4'	2'	7"	6"	7"	41 1/2"	69"	6'-9"	3'	51"	31"	8"	4 1/2"	1.996	99	2 @ 3'-9"	2 @ 6'-3"	2 @ 2'-6"	4 @ 4'-1"	20 @ 2'-6"	9 @ 6'-3"
5'	2'	7 1/2"	6"	12"	47"	77"	7'-5"	3'	58"	36"	8"	5"	2.258	105	2 @ 4'-1"	2 @ 6'-11"	2 @ 2'-6"	4 @ 4'-7"	20 @ 2'-6"	9 @ 6'-11"
3'	3'	6 1/2"	6"	0"	45 1/2"	69"	6'-9"	3'	51"	31"	8"	4 1/2"	1.995	99	2 @ 3'-9"	2 @ 6'-3"	2 @ 2'-6"	4 @ 4'-5"	20 @ 2'-6"	9 @ 6'-3"
4'	3'	7"	6"	0"	47"	77"	7'-5"	3'	58"	36"	8"	5"	2.238	105	2 @ 4'-1"	2 @ 6'-11"	2 @ 2'-6"	4 @ 4'-7"	20 @ 2'-6"	9 @ 6'-11"
5'	3'	7 1/2"	6 1/2"	4"	51 1/2"	85"	8'-1"	3'	65"	40"	8"	5 1/2"	2.469	115	2 @ 4'-4"	2 @ 7'-7"	2 @ 2'-6"	4 @ 5'-0"	22 @ 2'-6"	9 @ 7'-7"
6'	3'	8"	6 1/2"	9"	57"	94"	8'-10"	3'	73"	45"	8"	6"	2.767	126	2 @ 4'-9"	2 @ 8'-4"	2 @ 2'-6"	4 @ 5'-6"	24 @ 2'-6"	9 @ 8'-4"

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

JUNCTION BOX FOR BOX CULVERT TO CONCRETE ARCH PIPE

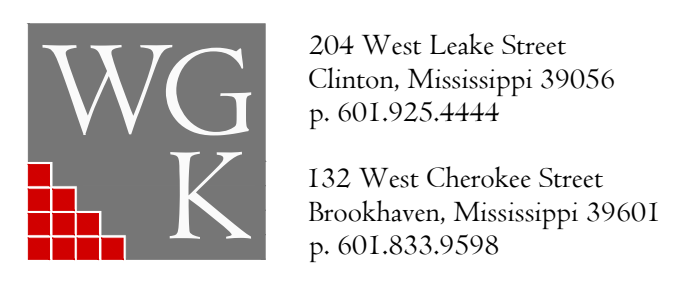
WORKING NUMBER: JB-1A
SHEET NUMBER: 6505

ISSUE DATE: AUGUST 01, 2017

Meridian High School Baseball/Softball
2820 32nd St., Meridian, MS 39305

100%
Construction Documents

Project No: 22034-03
Date: March 6, 2023
Revisions: Rev Date
Rev. 4 April 19, 2023



C-811
Junction Box for Box Culvert To Concrete Arch Pipe

V:\Data Partners\2025-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\MDOT Details_Meridian.dwg/19/2023 2:59 PM



STATE	PROJECT NO.
MISS.	

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
A	#4	2 PER PIPE OPENING	$\sqrt{196 + \frac{W^*}{2} + 2^*}$
B	#6 FOR 6" WALL #6 FOR 8" WALL	2 + (2 PER OPENING SIDE 3) + (1 PER SIDE 1) + (12" O.C. FOR SOLID WALL)	$W_{1-3} - 4^*$
C	#7 FOR 6" WALL #7 FOR 8" WALL	2 + (2 PER OPENING) + (12" O.C. FOR SOLID WALL)	$W_{2-4} - 4^*$
D	#6	4 + (2 PER OPENING) + (12" O.C. FOR SOLID WALL)	H
E	#6	$2 \left[\left(\frac{W_{1-3}}{6^*} \right)^* + 1 \right]$	$W_{2-4} - 4^*$
F	#6	$2 \left[\left(\frac{W_{2-4}}{6^*} \right)^* + 1 \right]$	$W_{1-3} - 4^*$

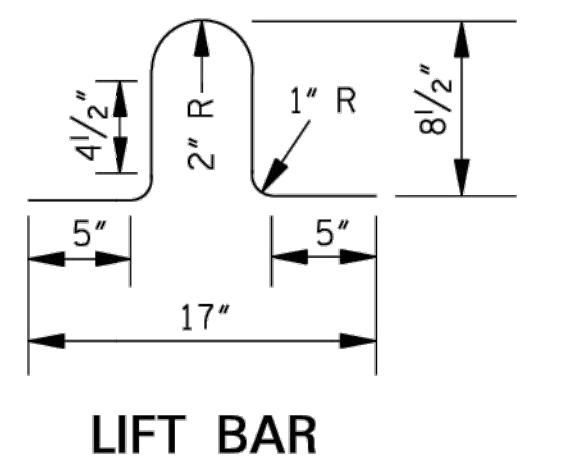
NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
 D (OR SPAN) = PIPE DIAMETER (OR SPAN)
 W₁₋₃ = WIDTH OF SIDE 1 & SIDE 3
 W₂₋₄ = WIDTH OF SIDE 2 & SIDE 4
 W* = W₁₋₃ OR W₂₋₄ (SIDE OF ENTERING PIPE)
 ** = ROUND TO NEAREST WHOLE NUMBER

CL. *B* CONC. (yd³) = [(Q1 + Q2) / 46,656] - Σ PIPE OPENING DEDUCTIONS
 WHERE: 6" WALL
 Q1 = [8*W₁₋₃W₂₋₄] + [1*(W₁₋₃ - 12.5)*(W₂₋₄ - 12.5)] + [(T₁ + 6*)W₁₋₃W₂₋₄]
 Q2 = 12*[H - (T₁ + 6*)] [(W₁₋₃ - 12) + W₂₋₄]
 OR: 8" WALL
 Q1 = [8*W₁₋₃W₂₋₄] + [1*(W₁₋₃ - 16.5)*(W₂₋₄ - 16.5)] + [(T₁ + 6*)W₁₋₃W₂₋₄]
 Q2 = 16*[H - (T₁ + 6*)] [(W₁₋₃ - 16) + W₂₋₄]

COMMON PIPE SIZE							
CIRCULAR PIPE			ARCH PIPE				
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)		PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)	
		6" WALL	8" WALL			6" WALL	8" WALL
18"	2 1/2"	0.053	0.071	22" X 13"	2 1/2"	0.053	0.071
24"	3"	0.091	0.121	29" X 18"	3"	0.087	0.116
30"	3 1/2"	0.138	0.184	36" X 23"	3 1/2"	0.129	0.172
36"	4"	0.196	0.261	44" X 27"	4"	0.185	0.247
42"	4 1/2"	0.263	0.350	51" X 31"	4 1/2"	-	0.327
48"	5"	-	0.453	58" X 36"	5"	-	0.424
54"	5 1/2"	-	0.569	65" X 40"	5 1/2"	-	0.525
60"	6"	-	0.699	73" X 45"	6"	-	0.652
66"	6 1/2"	-	0.840				
72"	7"	-	0.996				

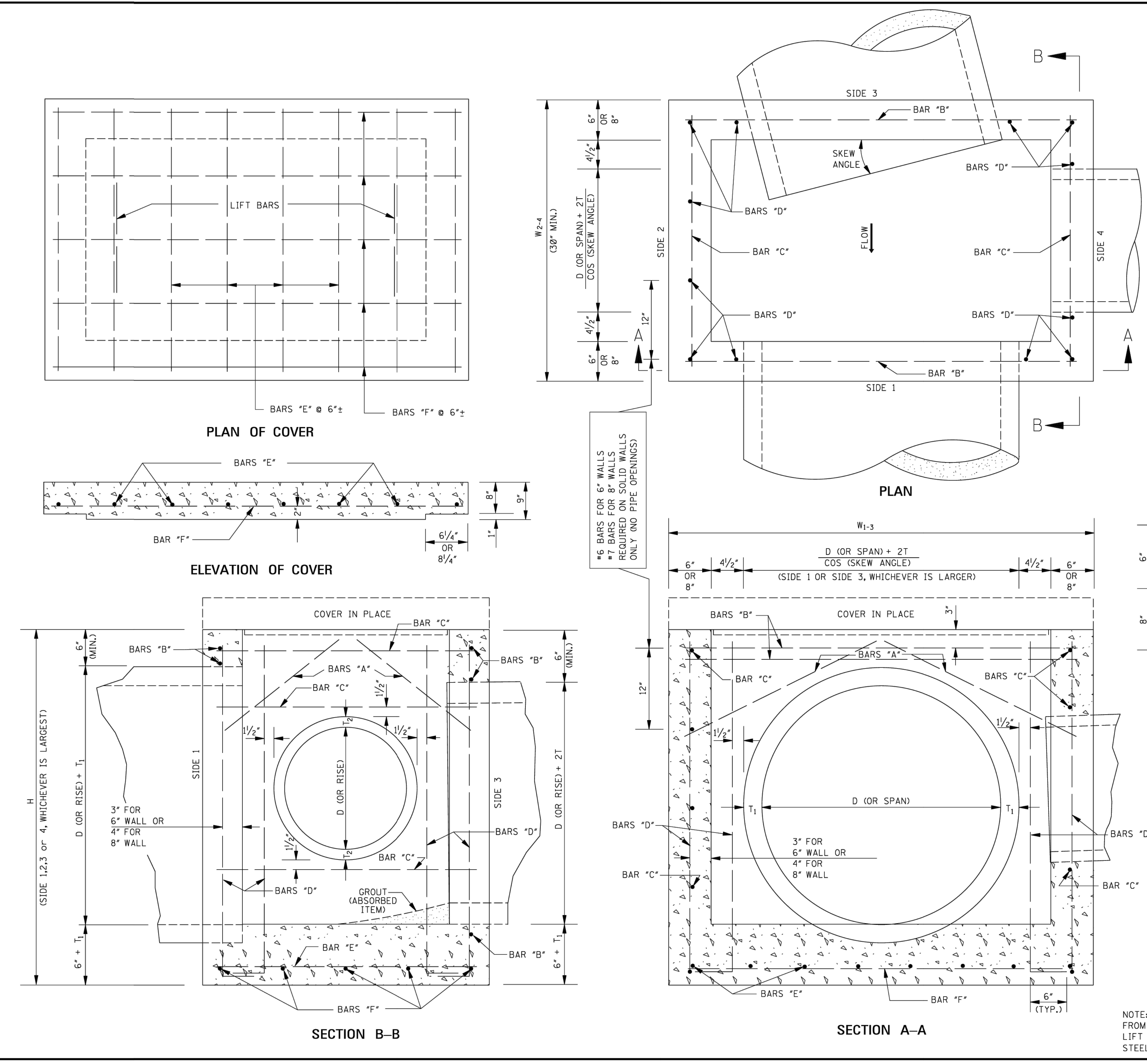
† NOTE: IF ANY PIPE REQUIRING A 8" WALL IS USED, ALL WALLS SHALL BE 8" REGARDLESS OF PIPE SIZE.

- GENERAL NOTES:
- REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
 - QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS, ASTM A 615, GRADE 60 OR AASHTO M 31, GRADE 60.
 - SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
 - IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.



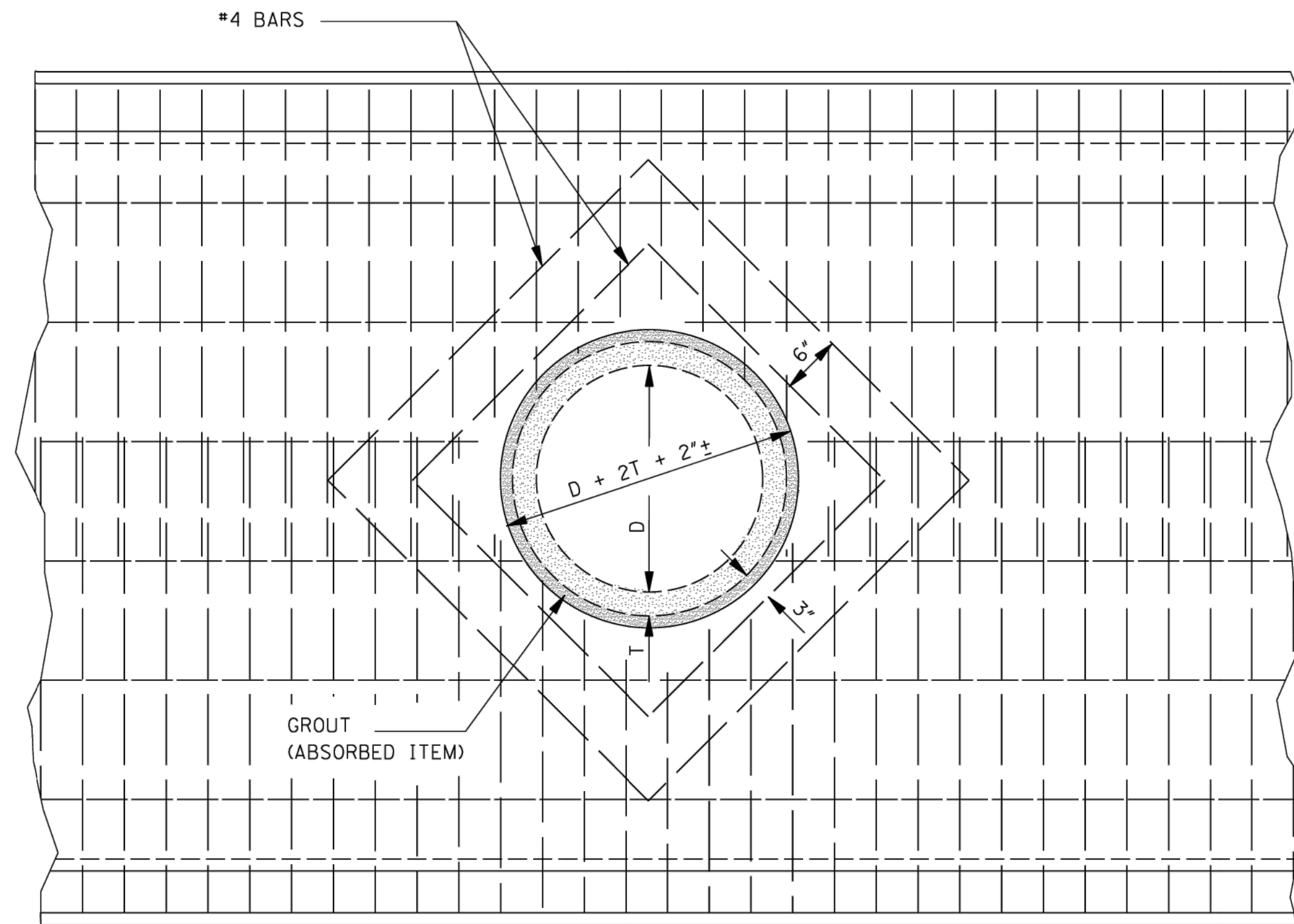
LIFT BAR
 NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.

REVISION	BY	DATE	ISSUE DATE: AUGUST 01, 2017
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN			
JUNCTION BOX TYPE 2 FOR TRAFFIC LOAD (MAXIMUM "W" = 9'-3")			
WORKING NUMBER JB-2			SHEET NUMBER 6506

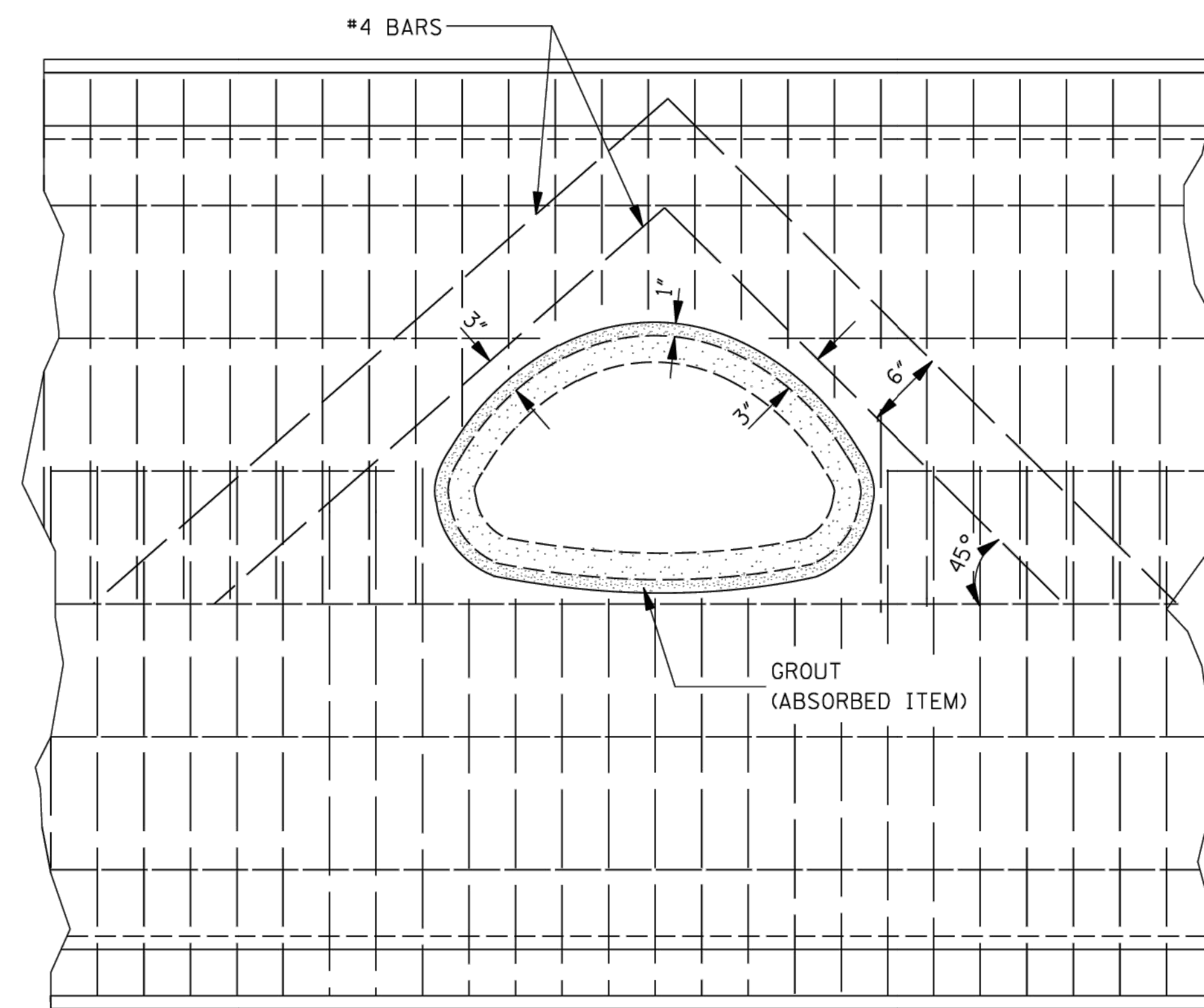




STATE	PROJECT NO.
MISS.	



**ELEVATION SHOWING CIRCULAR PIPE
STUBBED INTO BOX CULVERT BARREL OR WING-WALL**



**ELEVATION SHOWING ARCH PIPE STUBBED
INTO BOX CULVERT BARREL OR WING-WALL**

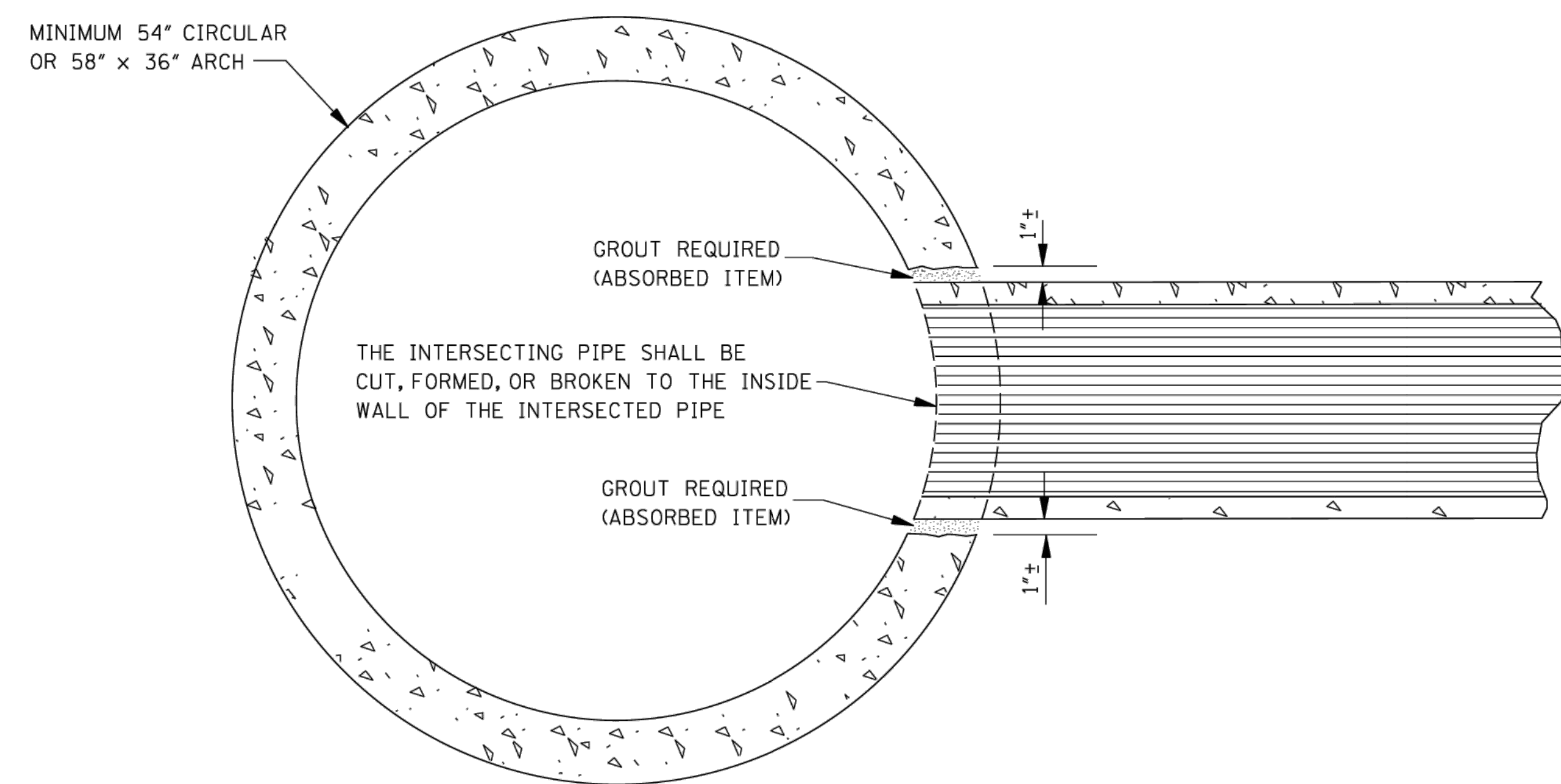
BAR LIST		
PIPE SIZE	#4 BARS NO.	LGTH.
18"	4	2'-6"
	4	3'-6"
24"	4	3'-1"
	4	4'-1"
30"	4	3'-8 1/2"
	4	4'-8 1/2"
22" X 13"	2	3'-10"
	2	4'-9"
29" X 18"	1	5'-4"
	2	4'-6"
	2	5'-5"
	1	6'-3"

NOTES:

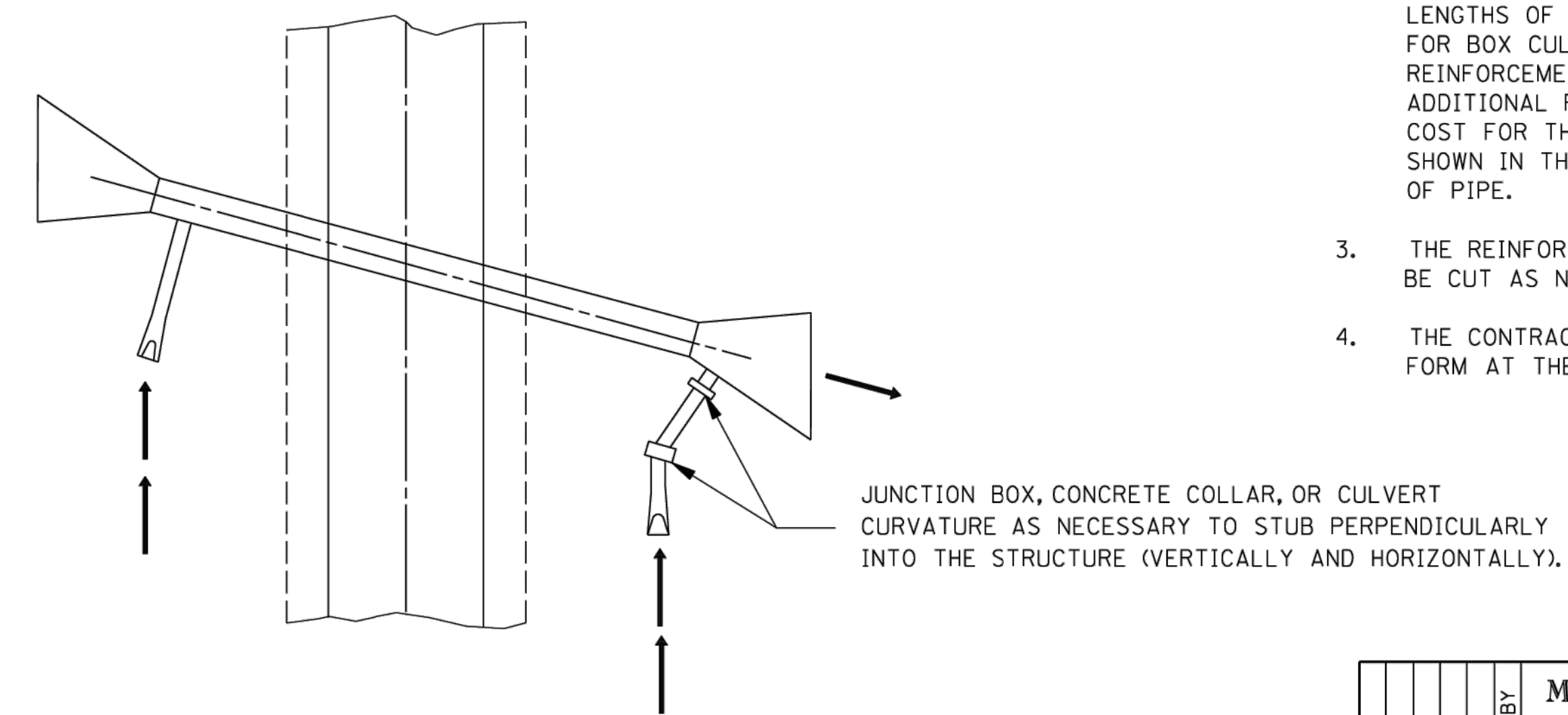
1. A 24" DIAMETER PIPE IS THE MAXIMUM SIZE THAT MAY BE STUBBED INTO A 54" DIAMETER PIPE.
2. A 60" DIAMETER PIPE IS THE MINIMUM SIZE THAT A 30" DIAMETER PIPE MAY BE STUBBED INTO.

GENERAL NOTES:

1. PAYMENT FOR WORK AND MATERIALS FOR STUBBING A PIPE CULVERT INTO A BOX CULVERT OR CONCRETE PIPE SHALL BE PAID FOR AS A BRANCH CONNECTION OF THE APPROPRIATE SIZE, TYPE AND DESCRIPTION.
2. THE TABLE ON THIS SHEET INDICATES THE NUMBER AND LENGTHS OF ADDITIONAL REINFORCING STEEL BARS REQUIRED FOR BOX CULVERTS CONSTRUCTED. FOR A DOUBLE ROW OF REINFORCEMENT, DOUBLE THE NUMBER OF BARS SHOWN. THE ADDITIONAL REINFORCING STEEL SHALL BE INCLUDED IN THE COST FOR THIS TYPE OF BRANCH CONNECTION. THE QUANTITIES SHOWN IN THE TABLE ARE FOR THE MOST COMMON SIZES OF PIPE.
3. THE REINFORCEMENT OF THE INTERSECTED BOX OR PIPE SHALL BE CUT AS NECESSARY TO ACCOMMODATE THE STUBBED PIPE.
4. THE CONTRACTOR MAY INSERT THE INTERSECTING PIPE INTO THE FORM AT THE PROPER LOCATION IN LIEU OF FORMING BY BLOCKING OUT.



**ELEVATION SHOWING PIPE CULVERT
STUBBED INTO CONCRETE PIPE CULVERT**
NOTE: TYPICAL INSTALLATION FOR MEDIAN STUB TO CROSSING DRAIN WITH MINIMUM COVER.



**TYPICAL PLAN OF BRANCH CONNECTION
TO BOX CULVERT WING-WALL**

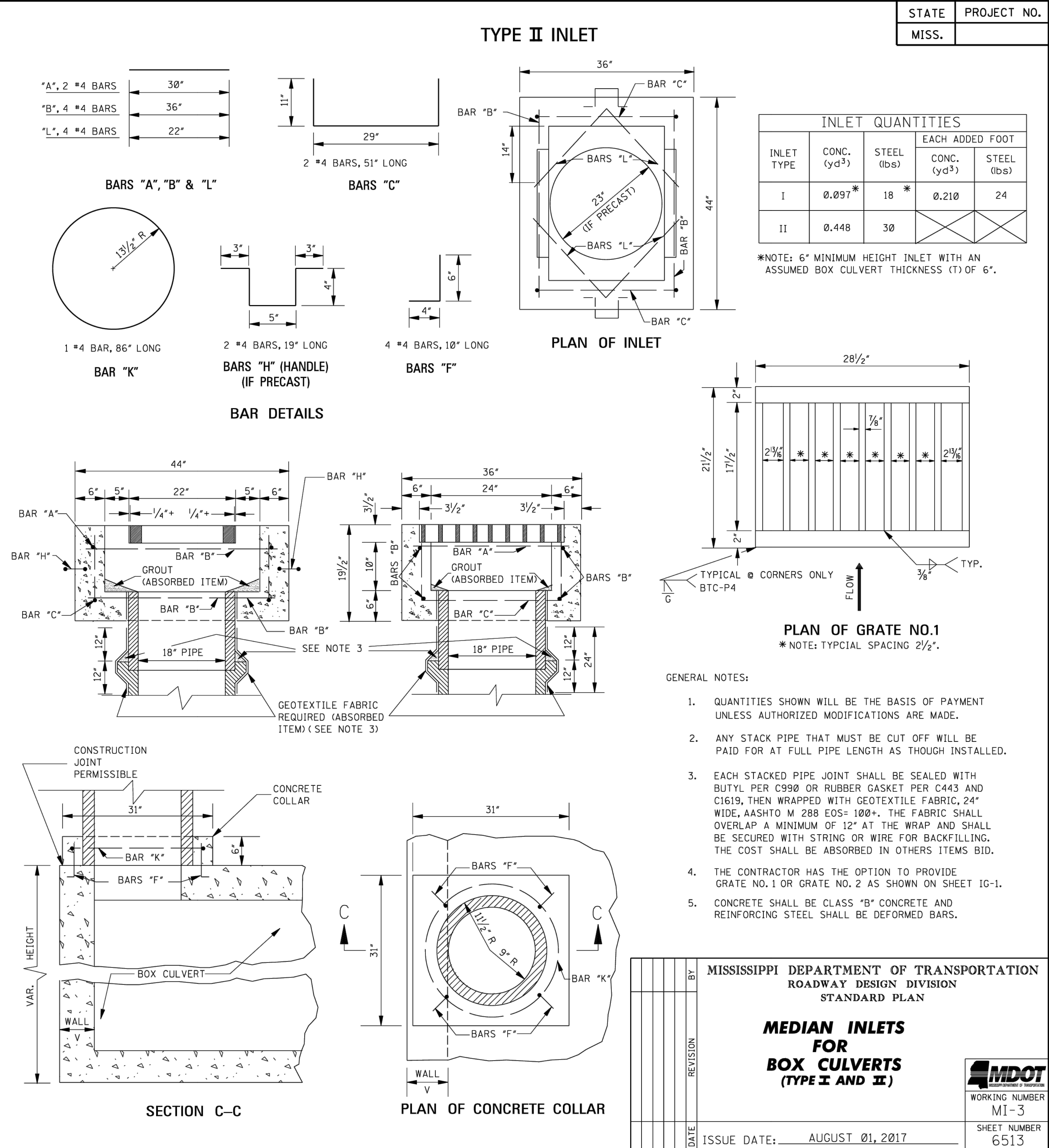
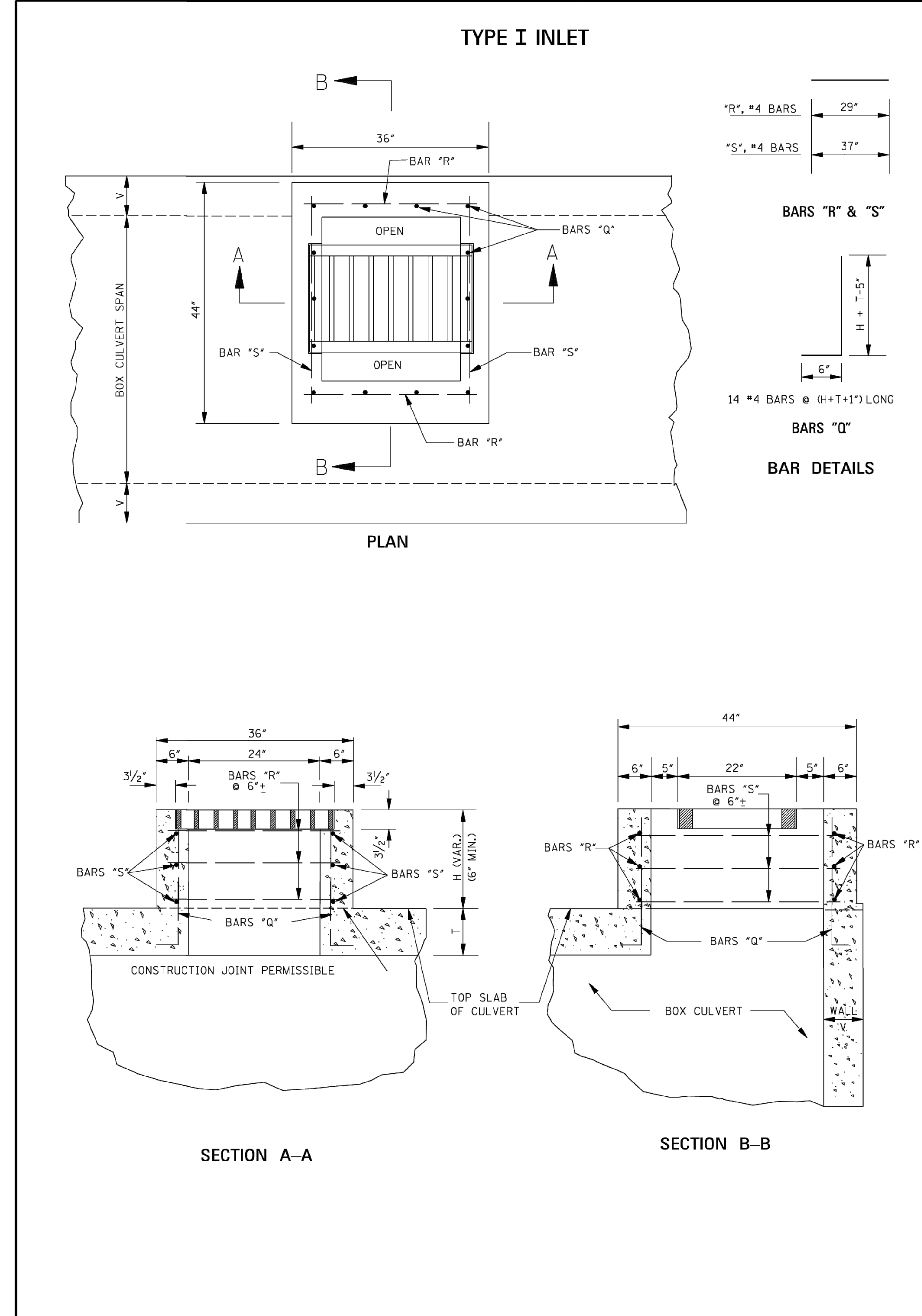
BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		BRANCH CONNECTIONS	
DATE		ISSUE DATE: AUGUST 01, 2017	
		WORKING NUMBER BC-1	
		SHEET NUMBER 6507	



STATE	PROJECT NO.
MISS.	

INLET QUANTITIES				
INLET TYPE	CONC. (yd ³)	STEEL (lbs)	EACH ADDED FOOT	
			CONC. (yd ³)	STEEL (lbs)
I	0.097*	18 *	0.210	24
II	0.448	30		

*NOTE: 6" MINIMUM HEIGHT INLET WITH AN ASSUMED BOX CULVERT THICKNESS (T) OF 6".



V:\Data Partners\2023-249-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\MDOT Details_Meridian.dwg/19/2023 2:58 PM

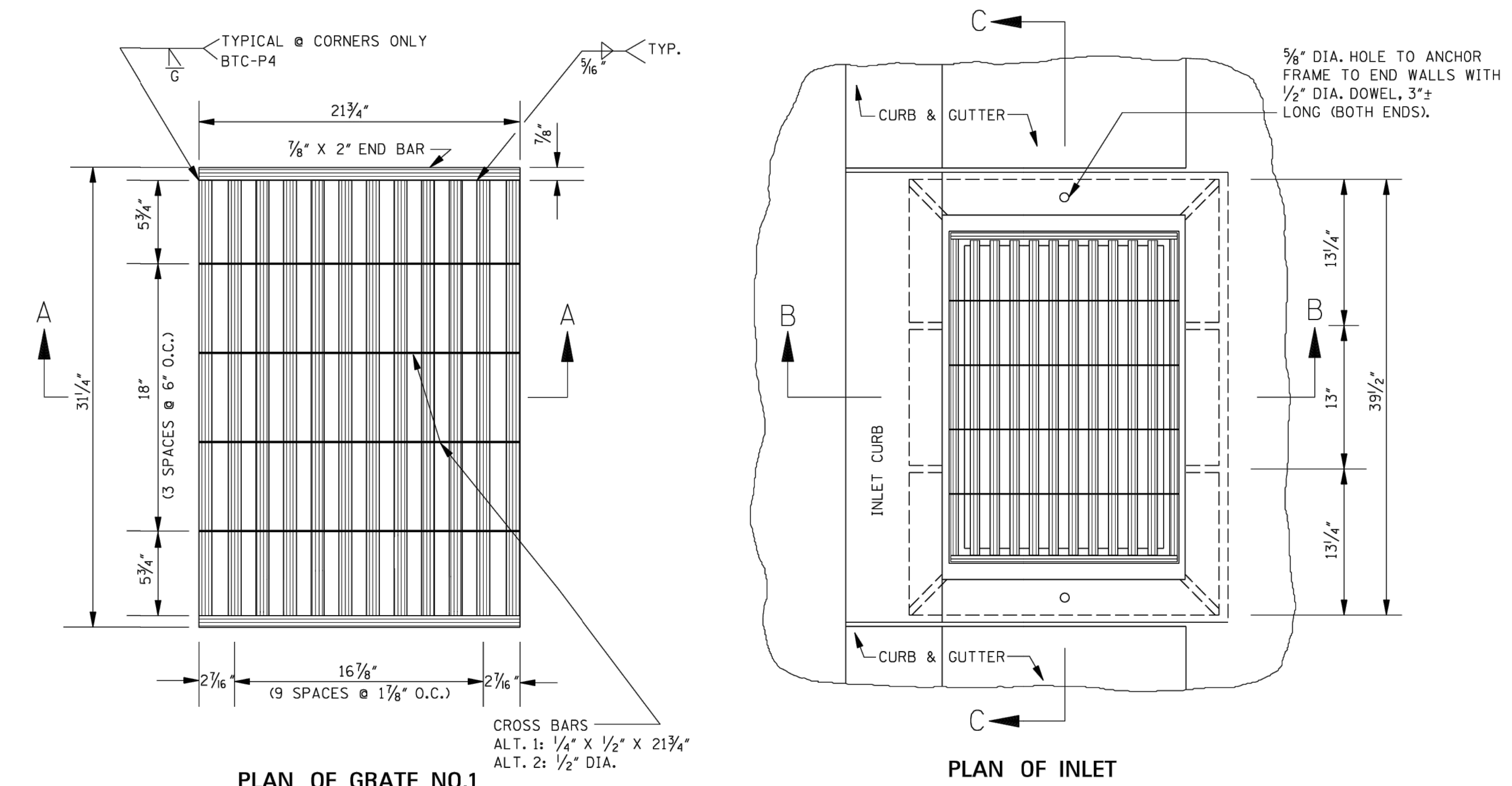
Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

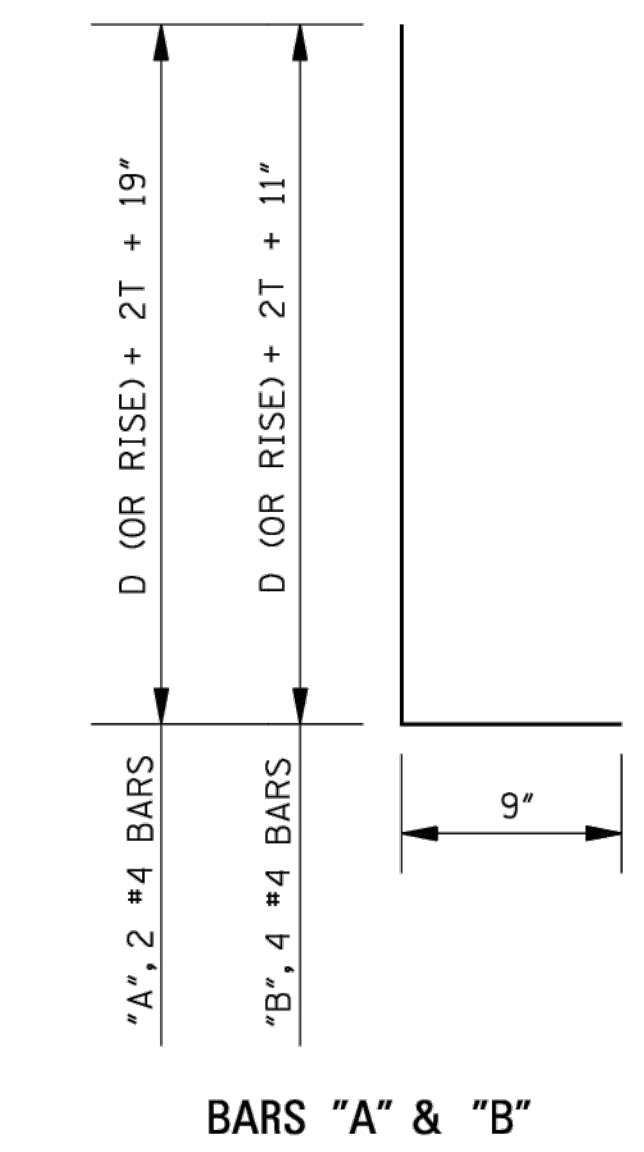
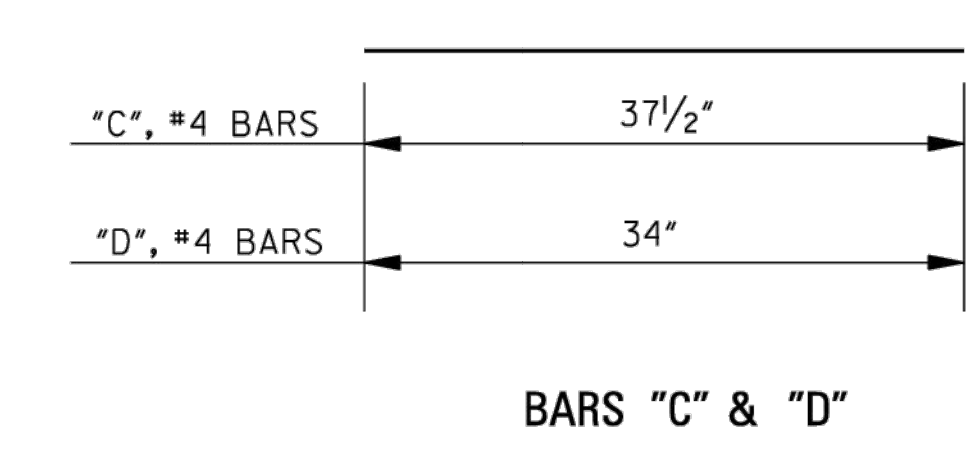


STATE	PROJECT NO.
MISS.	



PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd ³)	T	BAR LIST			
		CONC. (yd ³)	STEEL (lbs)			BARS "A"	BARS "B"	BARS "C"	BARS "D"
18"	2.708'	0.763	55	0.053	2 1/2"	2 @ 4'-3"	4 @ 3'-7"	10 @ 3'-1 1/2"	10 @ 2'-10"
24"	3.250'	0.822	57	0.091	3"	2 @ 4'-10"	4 @ 4'-2"	10 @ 3'-1 1/2"	10 @ 2'-10"
22" X 13"	2.333'	0.686	48	0.053	2 1/2"	2 @ 3'-10 1/2"	4 @ 3'-2 1/2"	9 @ 3'-1 1/2"	8 @ 2'-10"

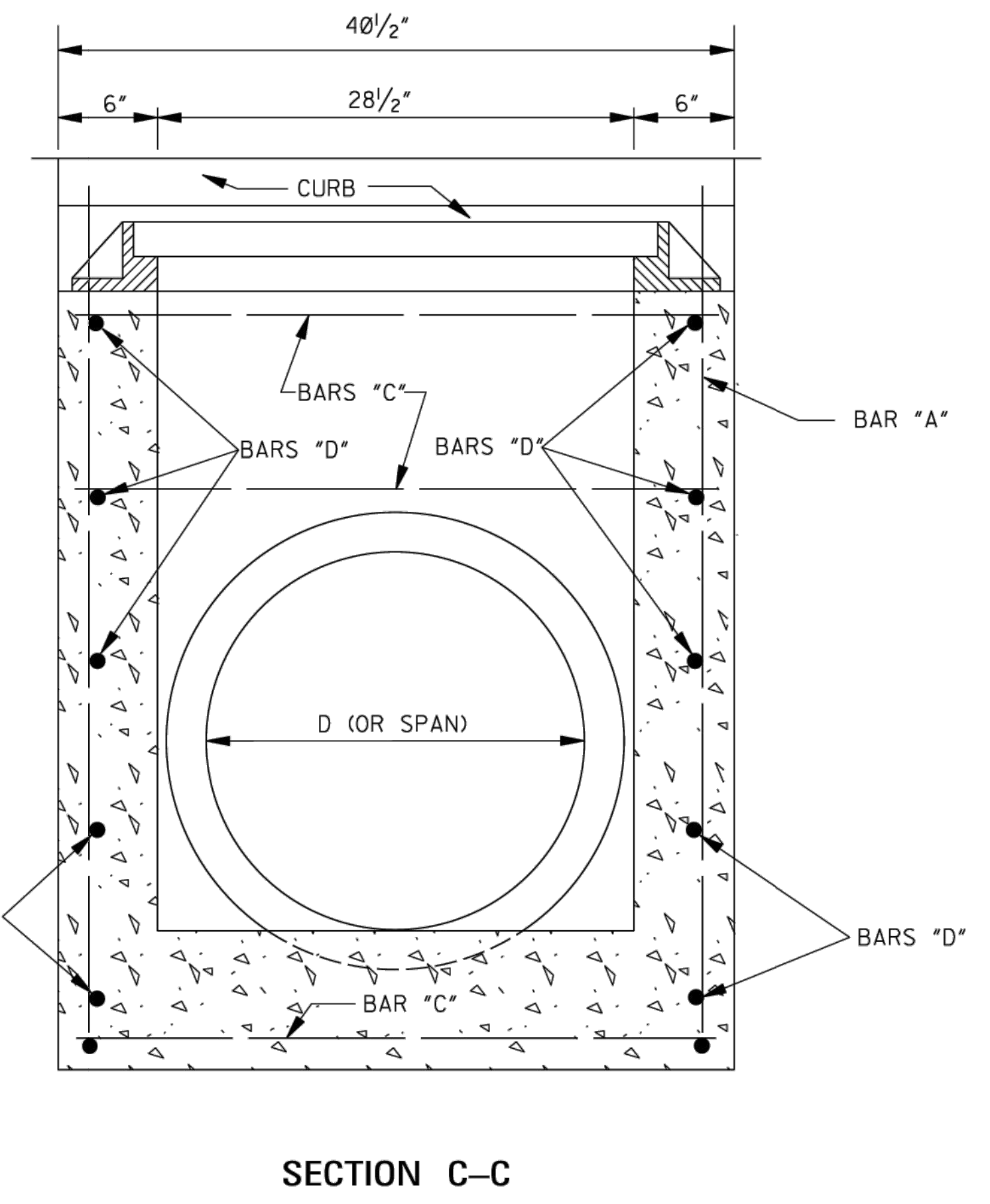
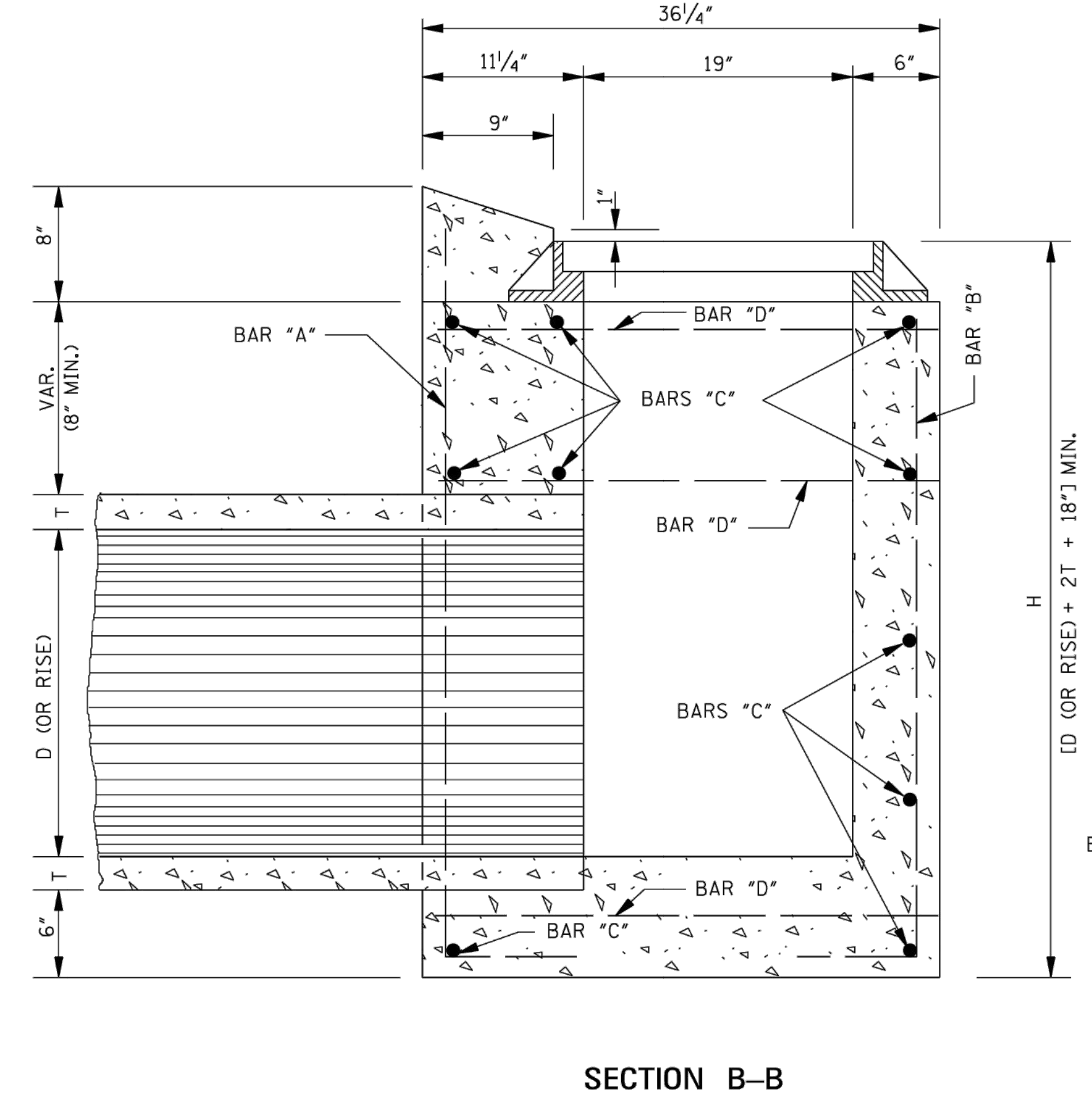
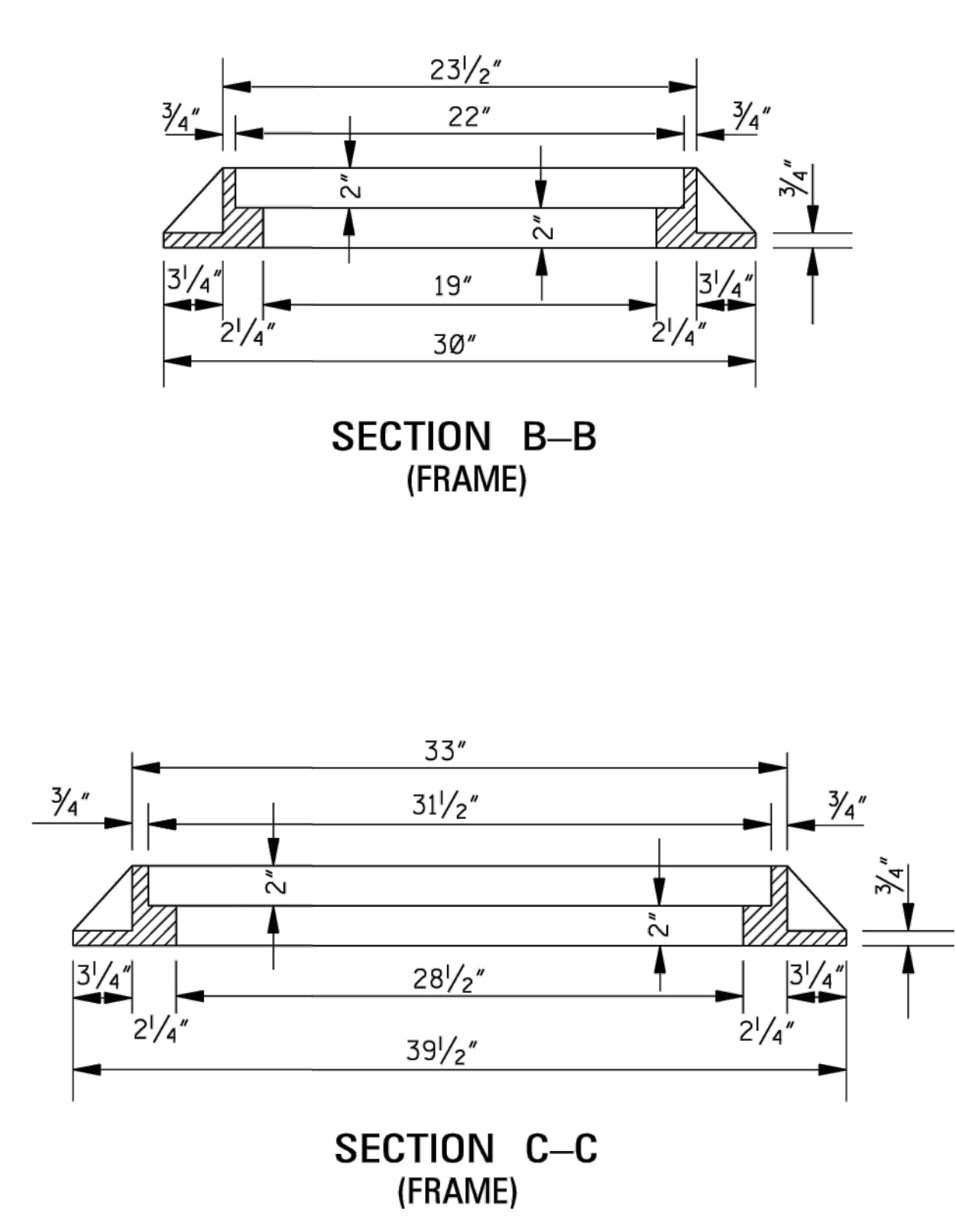
- NOTES:
- ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.
 - FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³ CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
 - 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "A" & BARS "B" WILL BE INCREASED ACCORDING TO ADDITIONAL HEIGHT.
 - WEIGHT OF FRAME CASTING = 244 lbs.
WEIGHT OF GRATE = SEE SHEET IG-2.



BAR DETAILS

GENERAL NOTES:

- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
- THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
- FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).



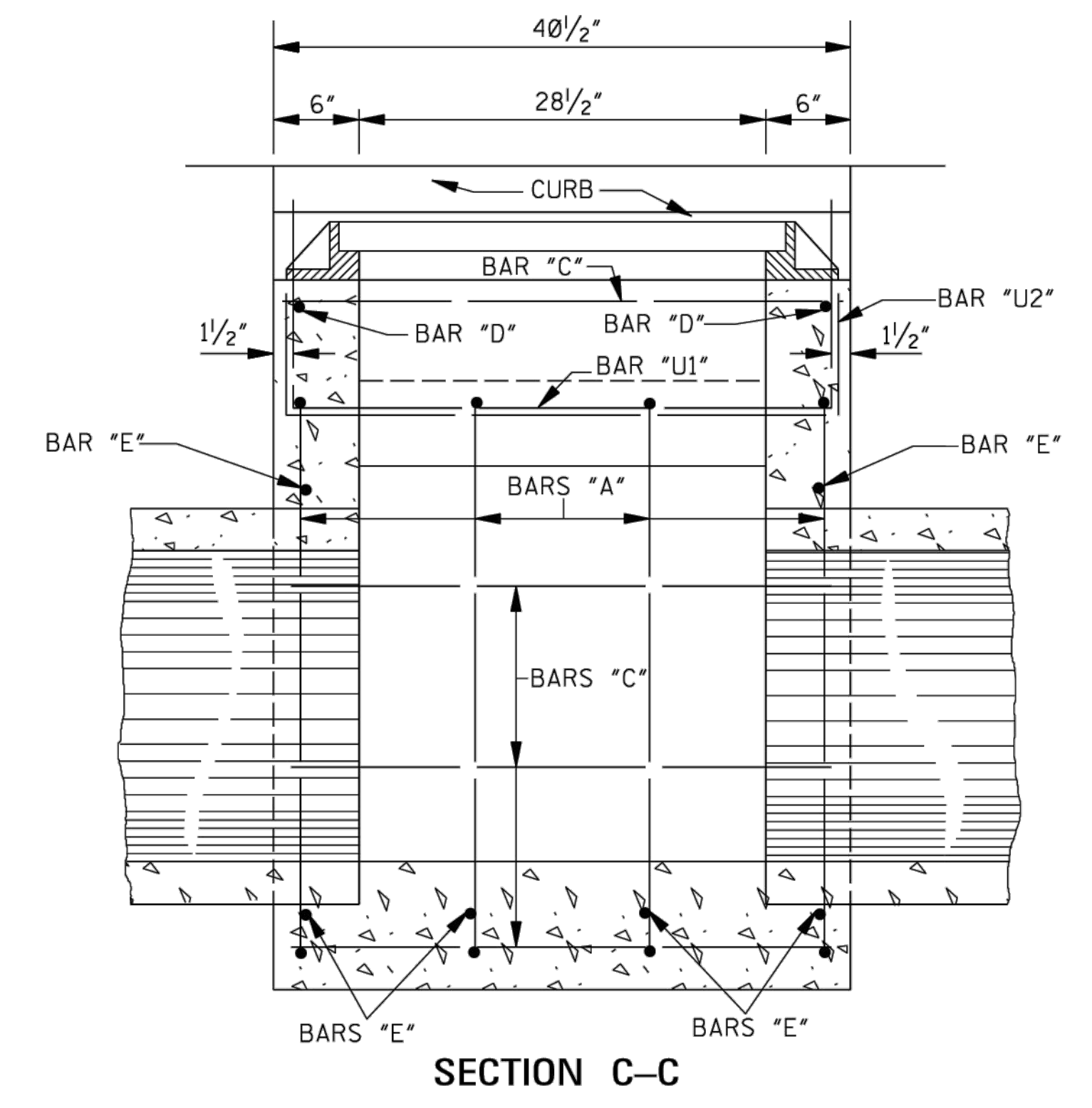
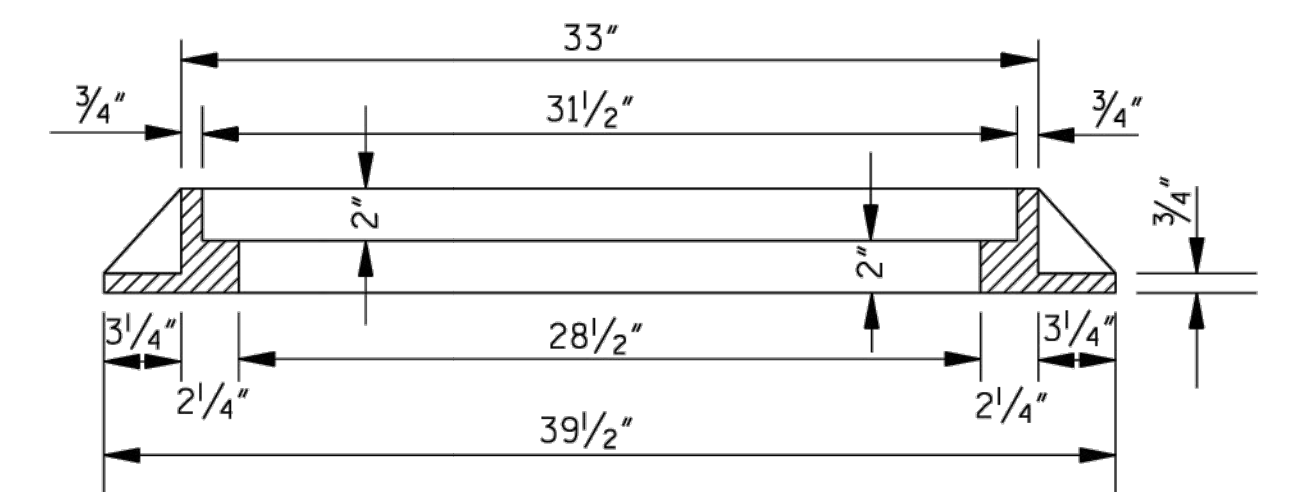
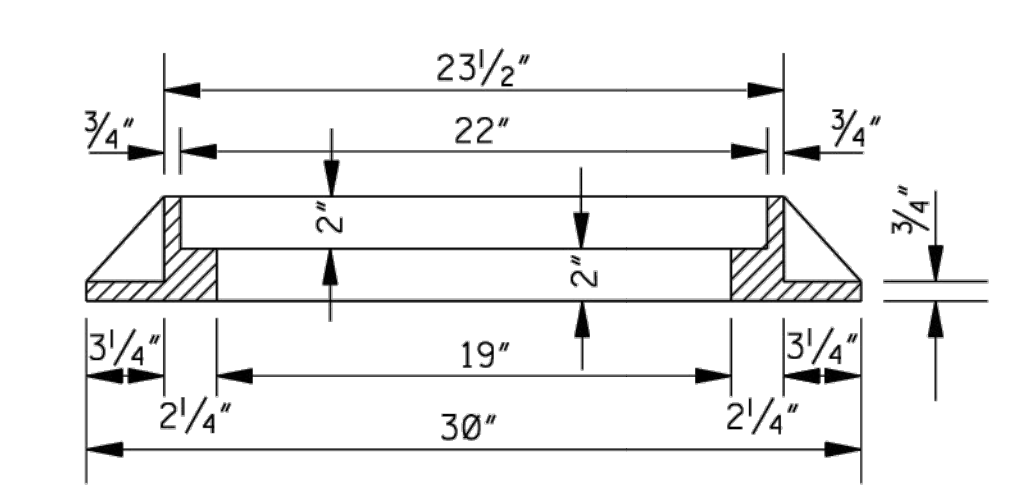
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
GUTTER INLET FOR TYPE 2 CURB (OUTLET 90° TO ROADWAY)	
WORKING NUMBER GI-1	SHEET NUMBER 6518
ISSUE DATE: AUGUST 01, 2017	



STATE	PROJECT NO.
MISS.	

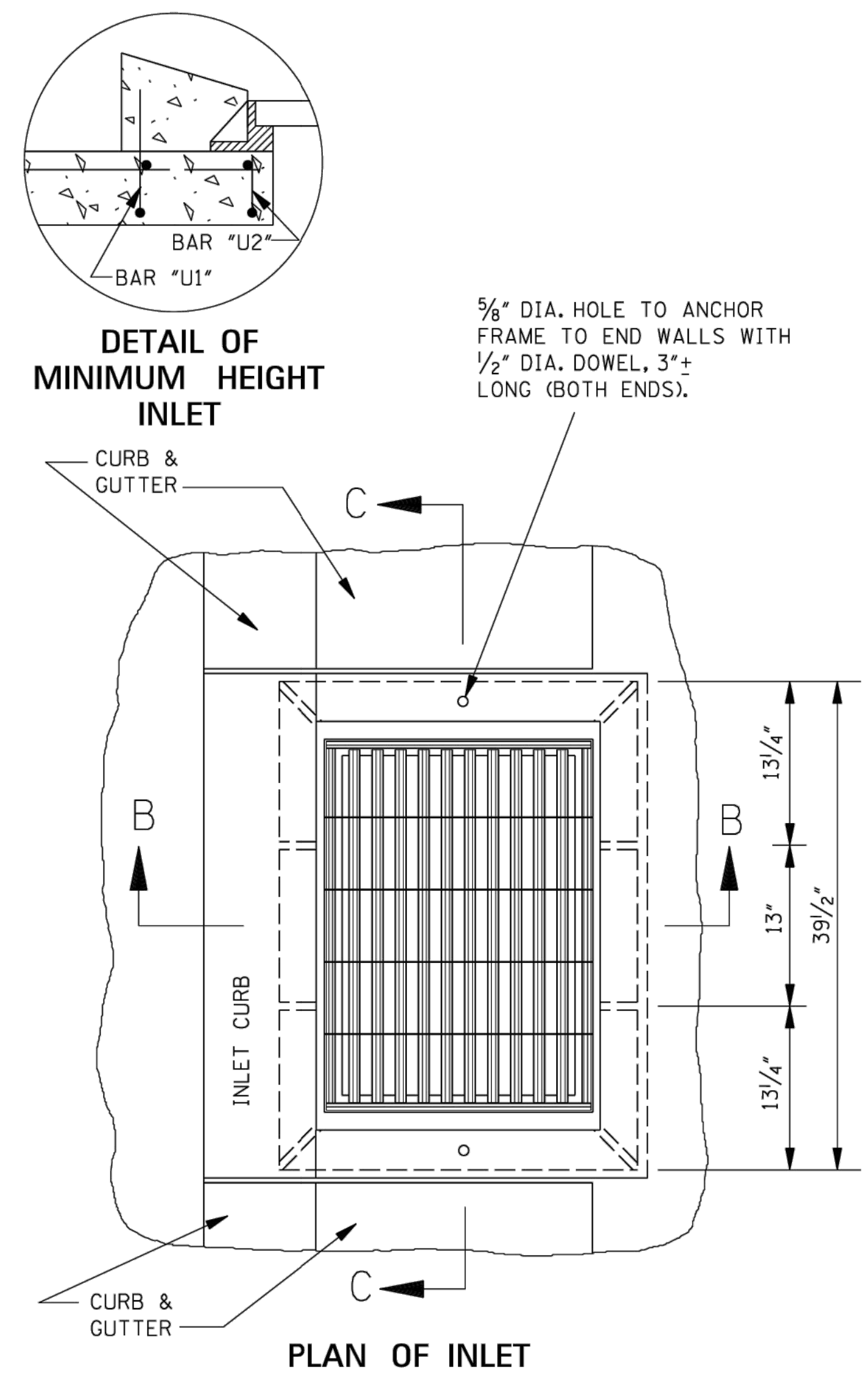
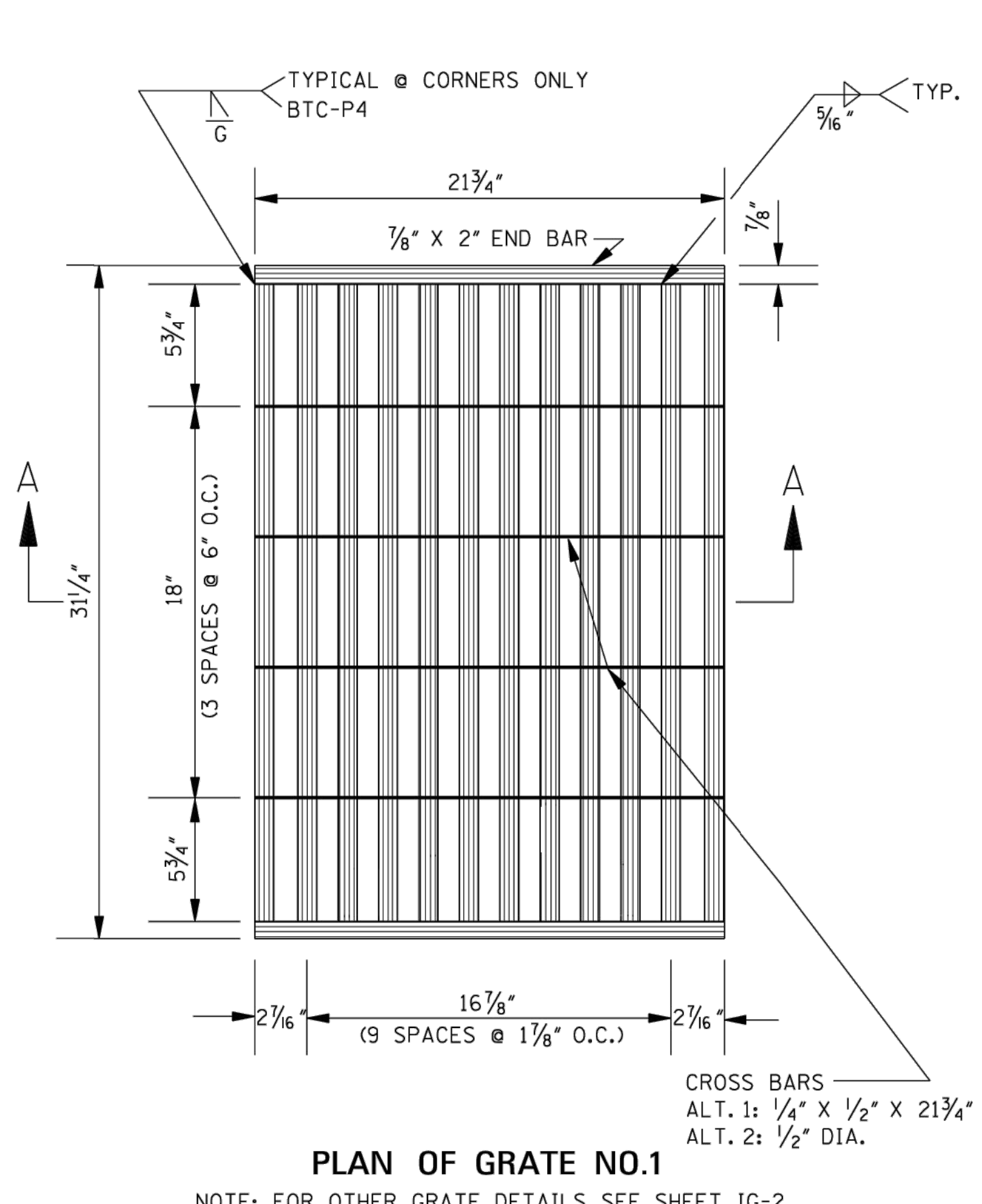
PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES									
		CONC. (yd ³)	STEEL (lbs)			"A"		"B"		"C"		"D"		"E"	
						NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.		
18"	2.792'	0.973	67	0.053	2 1/2"	4 @ 5'-0"	4 @ 3'-8"	10 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 3'-5"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
24"	3.333'	1.259	78	0.091	3"	4 @ 6'-2"	4 @ 4'-3"	12 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-0"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
30"	3.875'	1.574	88	0.138	3 1/2"	4 @ 7'-4"	4 @ 4'-10"	13 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-7"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
36"	4.417'	1.918	101	0.196	4"	4 @ 8'-6"	4 @ 5'-5"	16 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
42"	4.958'	2.292	112	0.263	4 1/2"	4 @ 9'-8"	4 @ 6'-0"	18 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-9"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
48"	5.500'	2.695	121	0.340	5"	4 @ 10'-10"	4 @ 6'-7"	19 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-4"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
54"	6.042'	3.128	132	0.427	5 1/2"	4 @ 12'-0"	4 @ 7'-2"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-11"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
60"	6.583'	3.591	146	0.524	6"	4 @ 13'-2"	4 @ 7'-9"	24 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-6"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
66"	7.125'	4.082	159	0.630	6 1/2"	4 @ 14'-4"	4 @ 8'-4"	27 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-1"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
72"	7.667'	4.604	168	0.747	7"	4 @ 15'-6"	4 @ 8'-11"	28 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-8"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
22" X 13"	2.417'	0.991	67	0.053	2 1/2"	4 @ 4'-11 1/2"	4 @ 3'-3 1/2"	10 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 3'-9"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
29" X 18"	2.833'	1.222	82	0.087	3"	4 @ 6'-1 1/2"	4 @ 3'-9"	13 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-5"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
36" X 23"	3.250'	1.537	90	0.129	3 1/2"	4 @ 7'-3"	4 @ 4'-2 1/2"	14 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-1 1/2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
44" X 27"	3.667'	1.877	97	0.185	4"	4 @ 8'-5"	4 @ 4'-8"	14 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-10"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
51" X 31"	4.068'	2.237	110	0.245	4 1/2"	4 @ 9'-7"	4 @ 5'-1 1/2"	17 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-6"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
58" X 36"	4.500'	2.637	120	0.318	5"	4 @ 10'-8 1/2"	4 @ 5'-7"	18 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-2 1/2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
65" X 40"	4.875'	3.020	132	0.394	5 1/2"	4 @ 11'-9"	4 @ 6'-0"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-10"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
73" X 45"	5.333'	3.505	140	0.489	6"	4 @ 13'-0"	4 @ 6'-6"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-7"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
88" X 54"	6.167'	4.504	163	0.688	7"	4 @ 15'-4"	4 @ 7'-5"	25 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 10'-0"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			

- NOTES: 1. NO PIPE OPENINGS HAVE BEEN DEDUCTED FROM QUANTITY SHOWN.
2. FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³ CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
3. 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "B" WILL INCREASE WITH ADDITIONAL HEIGHT.
4. WEIGHT OF FRAME CASTING = 244 lbs.
WEIGHT OF GRATE = SEE SHEET IG-2.

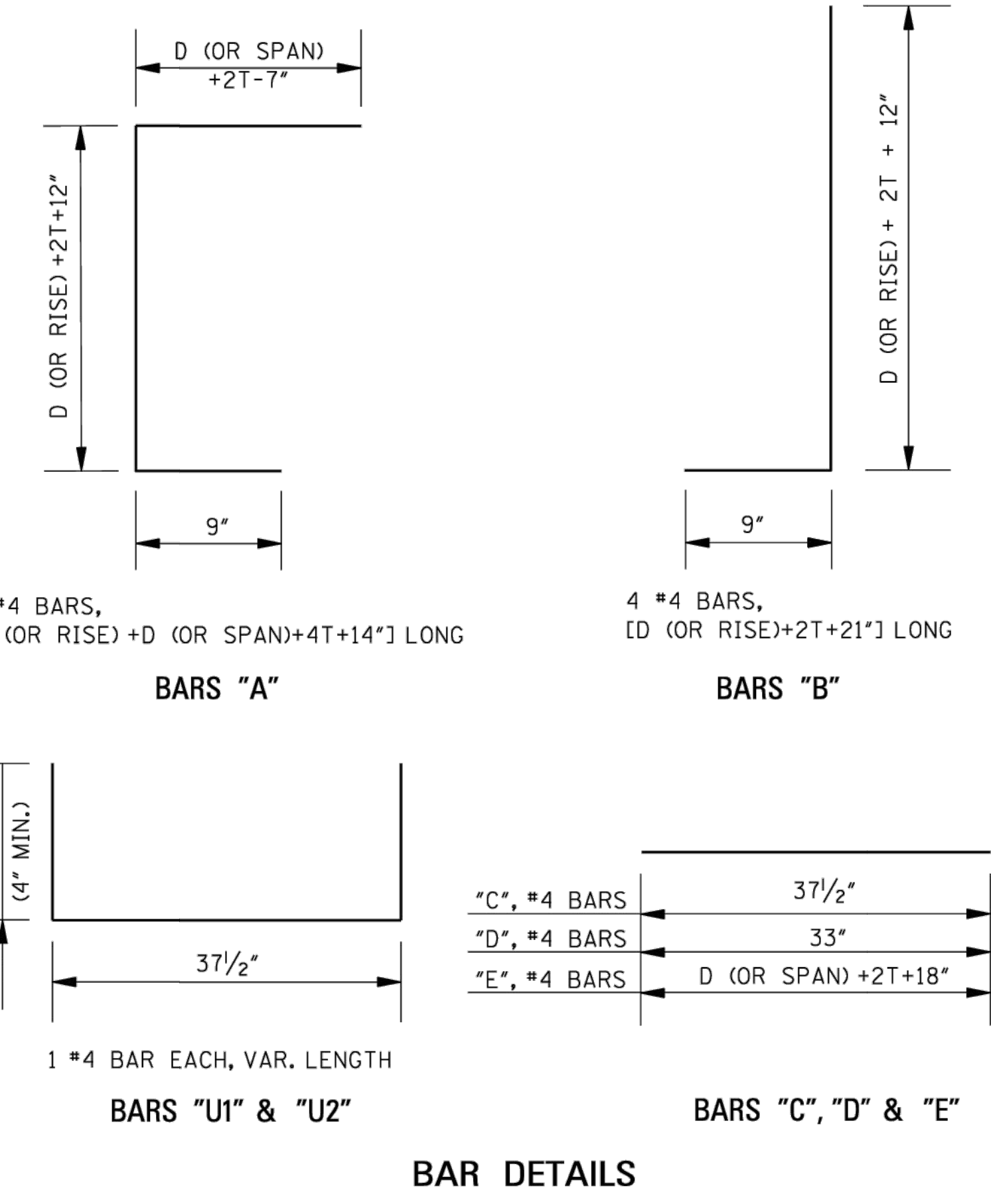
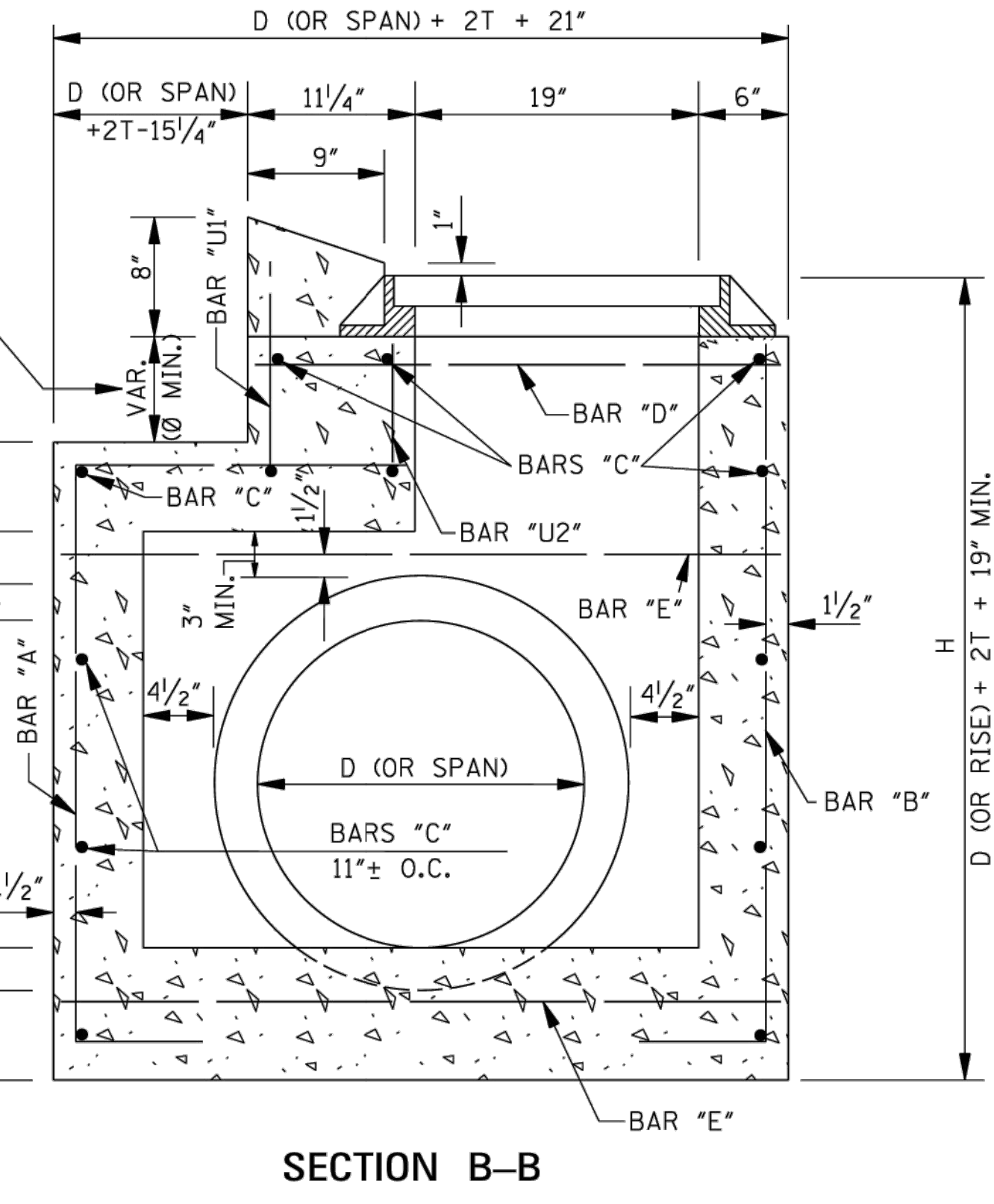


- GENERAL NOTES:
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
 - THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
 - FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
GUTTER INLET FOR TYPE 2 CURB (STORM SEWER ALONG ROADWAY)	
WORKING NUMBER	GI-1A
SHEET NUMBER	6519
ISSUE DATE:	AUGUST 01, 2017



PLAN OF GRATE NO.1
NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.

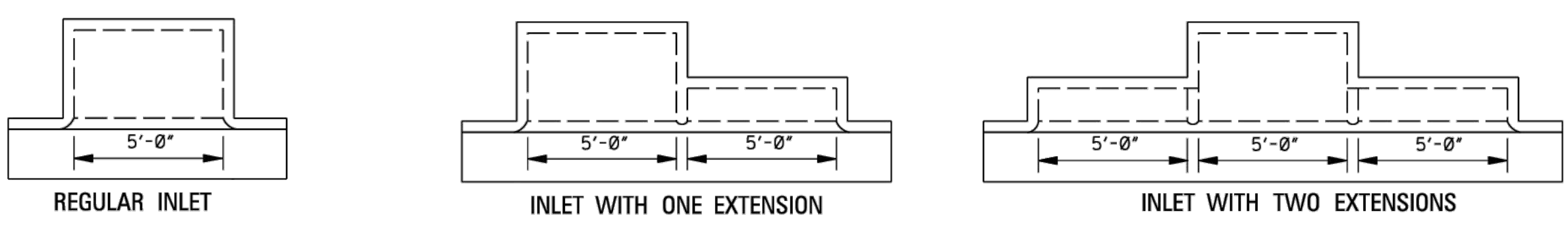


BAR DETAILS



STATE	PROJECT NO.
MISS.	

- NOTES:
1. W AND H ARE EXPRESSED IN DECIMAL FEET.
2. W = W ROUNDED TO NEAREST WHOLE FOOT.
3. Y = 0H-0.5.
4. H = (H - 2.08) ROUNDED TO NEAREST WHOLE FOOT.
5. NO DEDUCTIONS ARE MADE FOR PIPE OPENINGS IN FORMULAS.



5'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 121
CONC. = (WY + 5.5W + 6Y + 14.611)/27

10'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 231
CONC. = (WY + 5.5W + 6Y + 38.641)/27

15'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 341
CONC. = (WY + 5.5W + 6Y + 62.671)/27

QUANTITIES FOR ONE EXTENSION

BAR	SIZE	LENGTH	SPACING	NUMBER	TWEIGHT
"E"	#4	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'-11"	6	34
"H"	#6	6'-9"	AS SHOWN	5	51
"L"	#6	4'-9"	AS SHOWN	2	14

TOTAL STEEL FOR ONE EXTENSION = 110 lbs
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd³

NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 lbs OF STEEL FOR BARS "M".

BILL OF REINFORCING STEEL FOR 1-5'-0" INLET

H	BAR "A"		BAR "C"		BAR "S"		BAR "D"		BAR "F"		BAR "J"		BAR "B"		BAR "K"		* TOTAL STEEL	TOTAL CONC.		
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs				
3'-6"	6	17	7	27	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	190	1.99
4'-0"	6	17	7	27	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	202	2.15
4'-6"	6	17	7	27	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	207	2.31
5'-0"	6	17	7	27	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	219	2.47
5'-6"	6	17	7	27	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	224	2.62
6'-0"	6	17	7	27	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	238	2.78
6'-6"	6	17	7	27	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	240	2.94
7'-0"	6	17	7	27	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	253	3.10
7'-6"	6	17	7	27	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	257	3.25

BILL OF REINFORCING STEEL FOR 1-5'-0" INLET

H	BAR "A"		BAR "C"		BAR "S"		BAR "D"		BAR "F"		BAR "J"		BAR "B"		BAR "K"		* TOTAL STEEL	TOTAL CONC.		
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs				
3'-6"	6	19	7	29	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	194	2.15
4'-0"	6	19	7	29	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	206	2.32
4'-6"	6	19	7	29	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	211	2.49
5'-0"	6	19	7	29	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	223	2.65
5'-6"	6	19	7	29	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	228	2.82
6'-0"	6	19	7	29	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	240	2.99
6'-6"	6	19	7	29	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	245	3.15
7'-0"	6	19	7	29	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	257	3.32
7'-6"	6	19	7	29	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	262	3.49

BILL OF REINFORCING STEEL FOR 1-5'-0" INLET

H	BAR "A"		BAR "C"		BAR "S"		BAR "D"		BAR "F"		BAR "J"		BAR "B"		BAR "K"		* TOTAL STEEL	TOTAL CONC.		
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs				
3'-6"	6	21	7	31	5	19	6	23	5	73	4	6	3'-10"	7	18	2'-7"	7	12	202	2.31
4'-0"	6	21	7	31	5	19	8	30	5	73	4	6	4'-4"	7	20	3'-1"	7	14	214	2.49
4'-6"	6	21	7	31	5	19	8	30	5	73	4	6	4'-10"	7	23	3'-7"	7	17	219	2.66
5'-0"	6	21	7	31	5	19	10	38	5	73	4	6	5'-4"	7	25	4'-1"	7	19	231	2.84
5'-6"	6	21	7	31	5	19	10	38	5	73	4	6	5'-10"	7	27	4'-7"	7	21	236	3.01
6'-0"	6	21	7	31	5	19	12	45	5	73	4	6	6'-4"	7	30	5'-1"	7	24	248	3.19
6'-6"	6	21	7	31	5	19	12	45	5	73	4	6	6'-10"	7	32	5'-7"	7	26	253	3.37
7'-0"	6	21	7	31	5	19	14	53	5	73	4	6	7'-4"	7	34	6'-1"	7	28	265	3.54
7'-6"	6	21	7	31	5	19	14	53	5	73	4	6	7'-10"	7	37	6'-7"	7	31	270	3.72

* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 lbs OF STEEL FOR BARS "M".

- GENERAL NOTES:
- WHERE INLET OR INLET WITH EXTENSIONS IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT SHALL BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSIONS. THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSIONS. #8 DEFORMED BARS 30" LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSIONS 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSIONS SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR INLET OR INLET WITH EXTENSIONS.
 - THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
 - FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THESE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
 - FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE OTHER SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.
 - WHERE INLET IS BEING USED ADJACENT TO SIDEWALK, REFER TO OTHER SHEETS FOR TOP DETAIL.

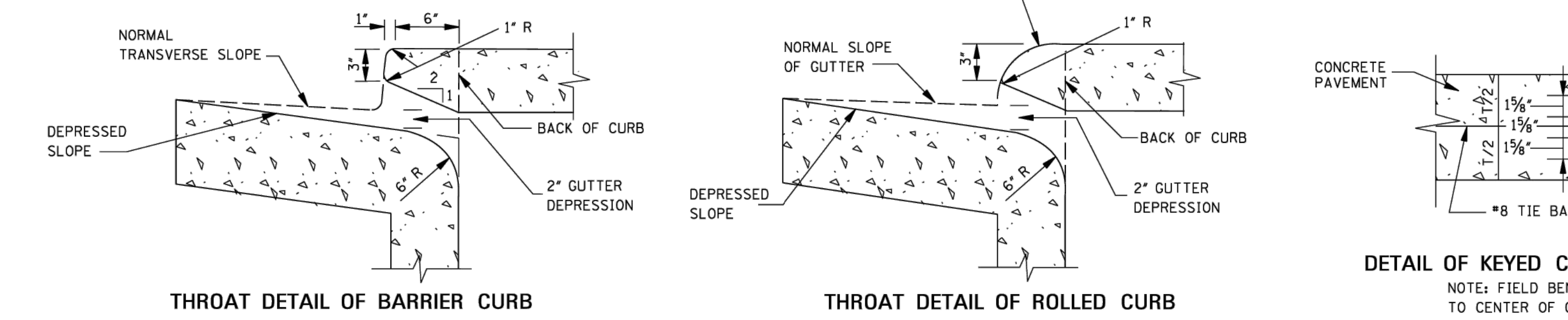
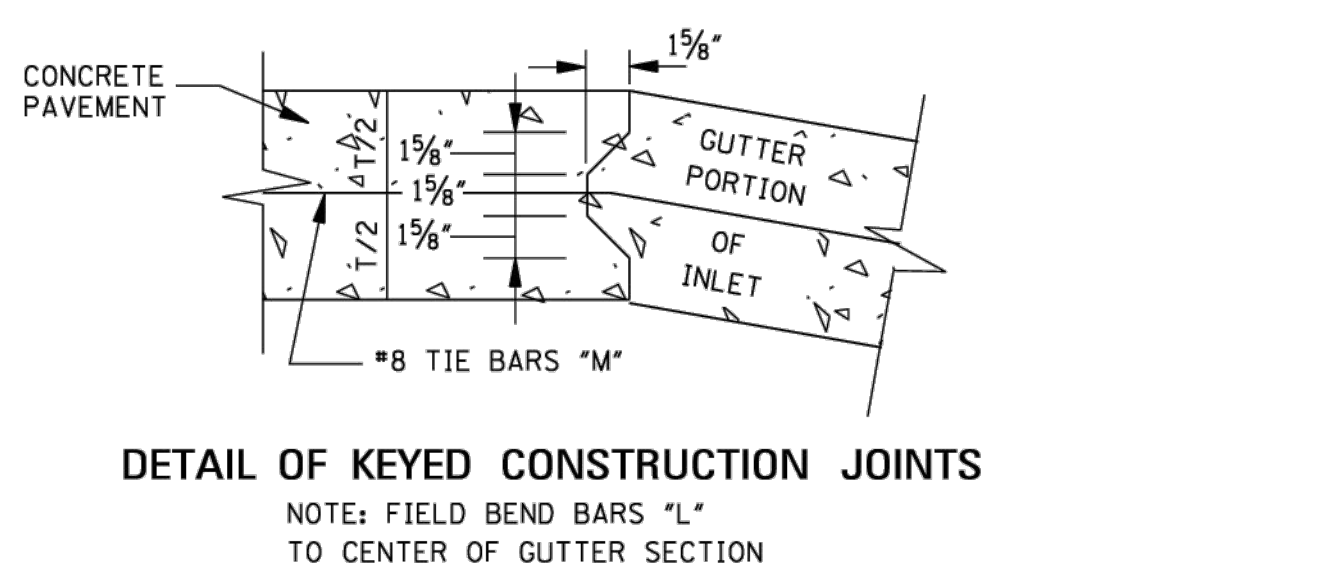
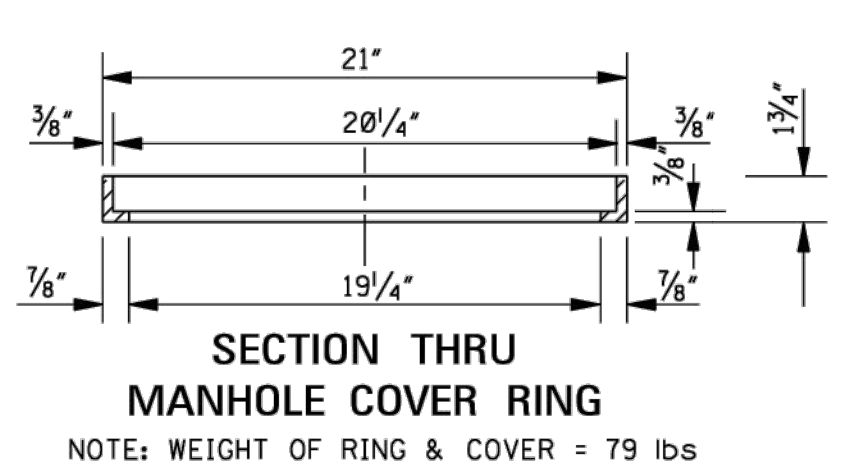
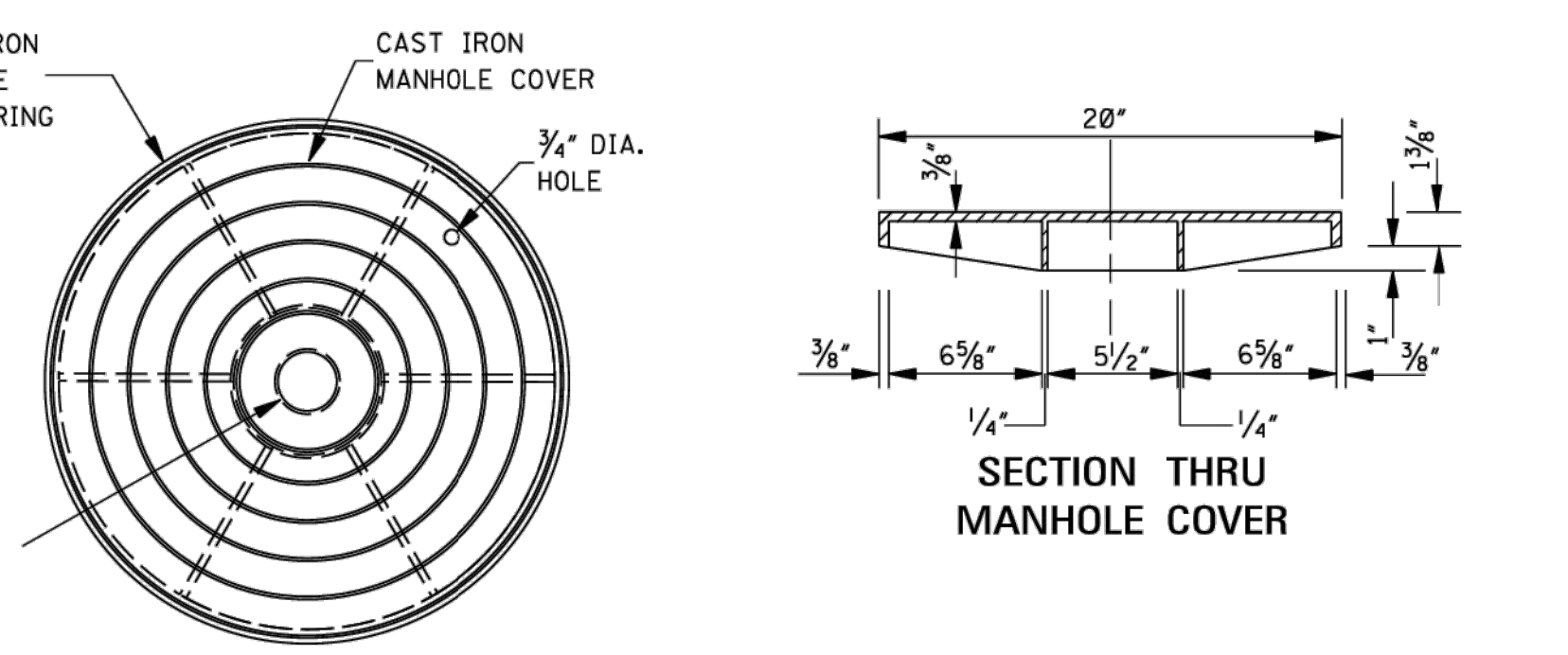
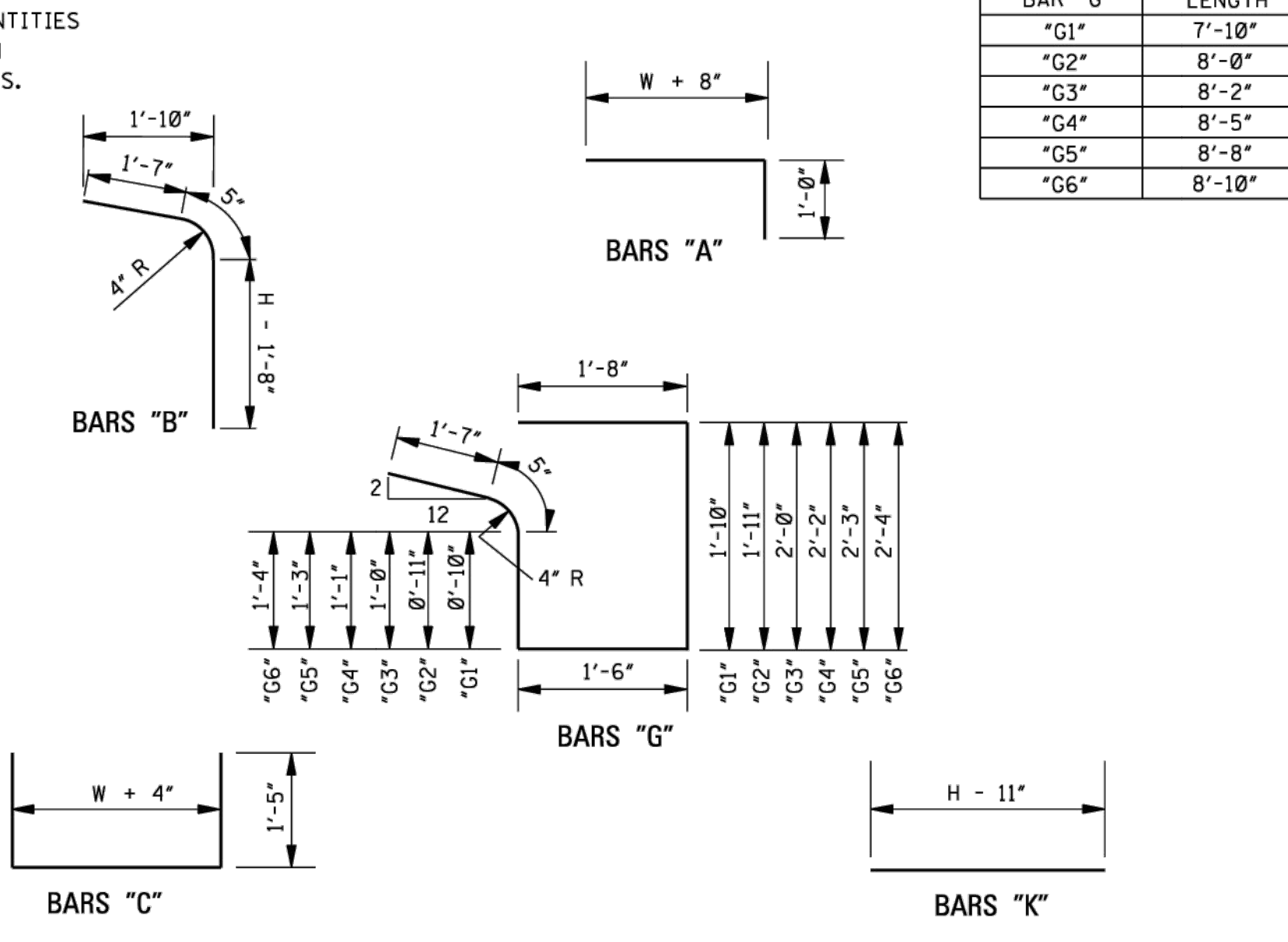
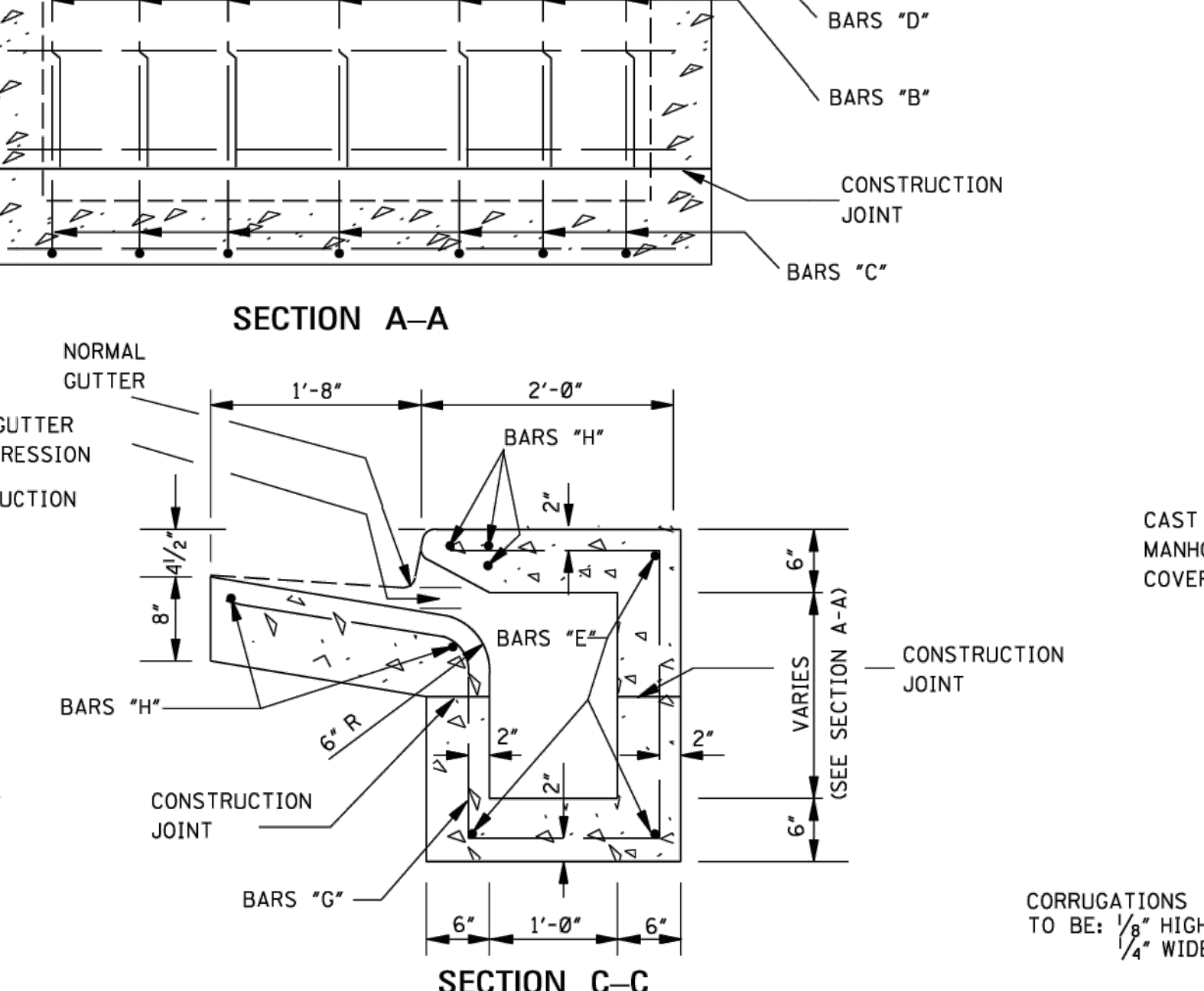
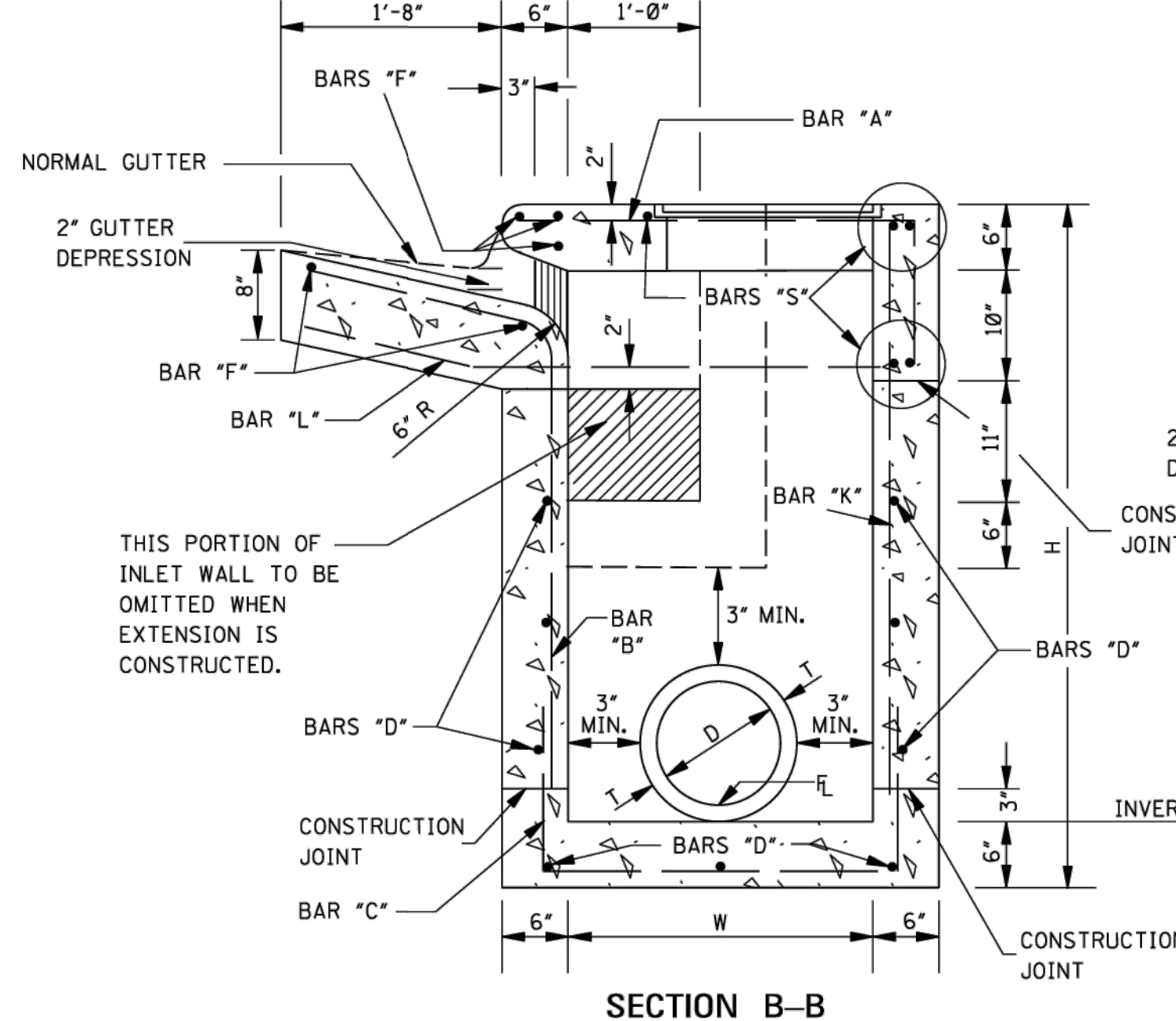
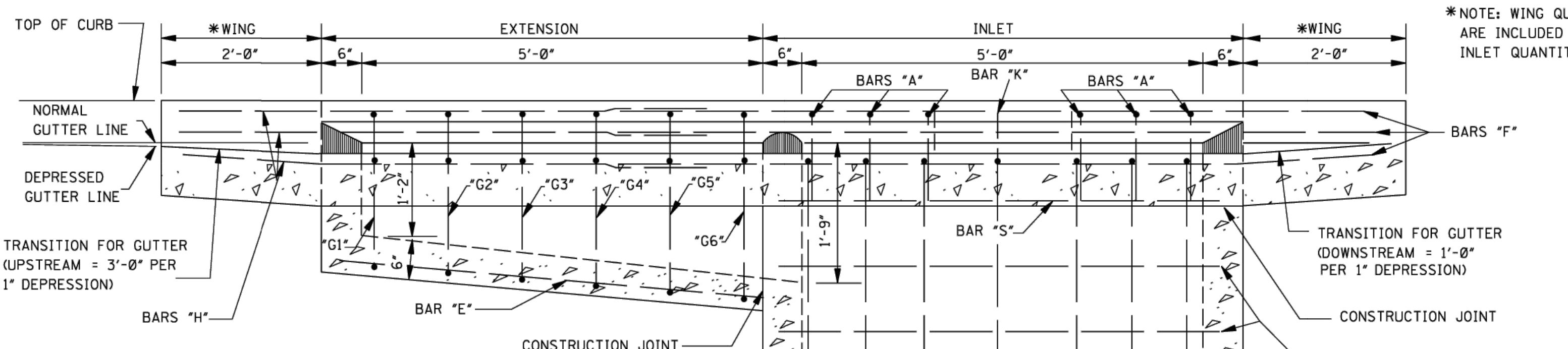
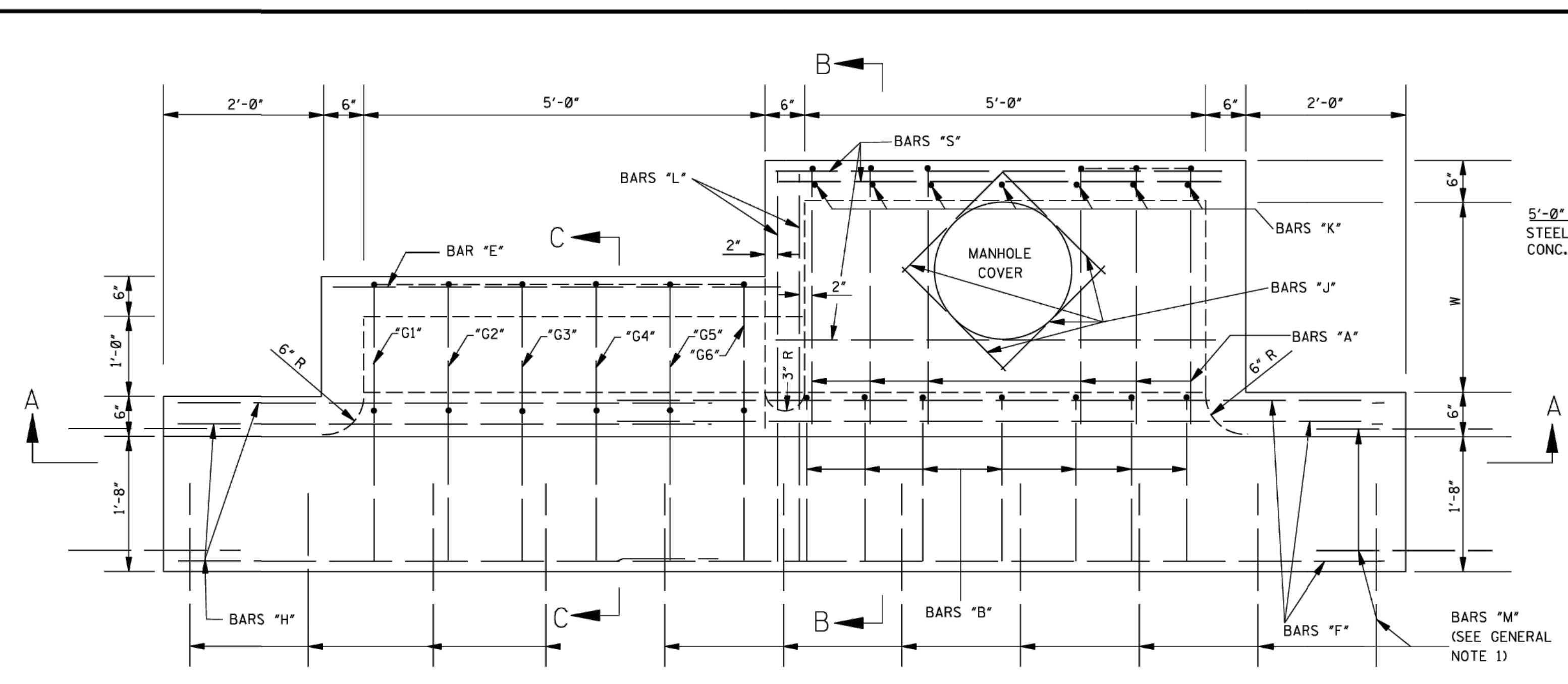
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**STORM SEWER INLET
TYPE SS-2**

WORKING NUMBER
SS-2

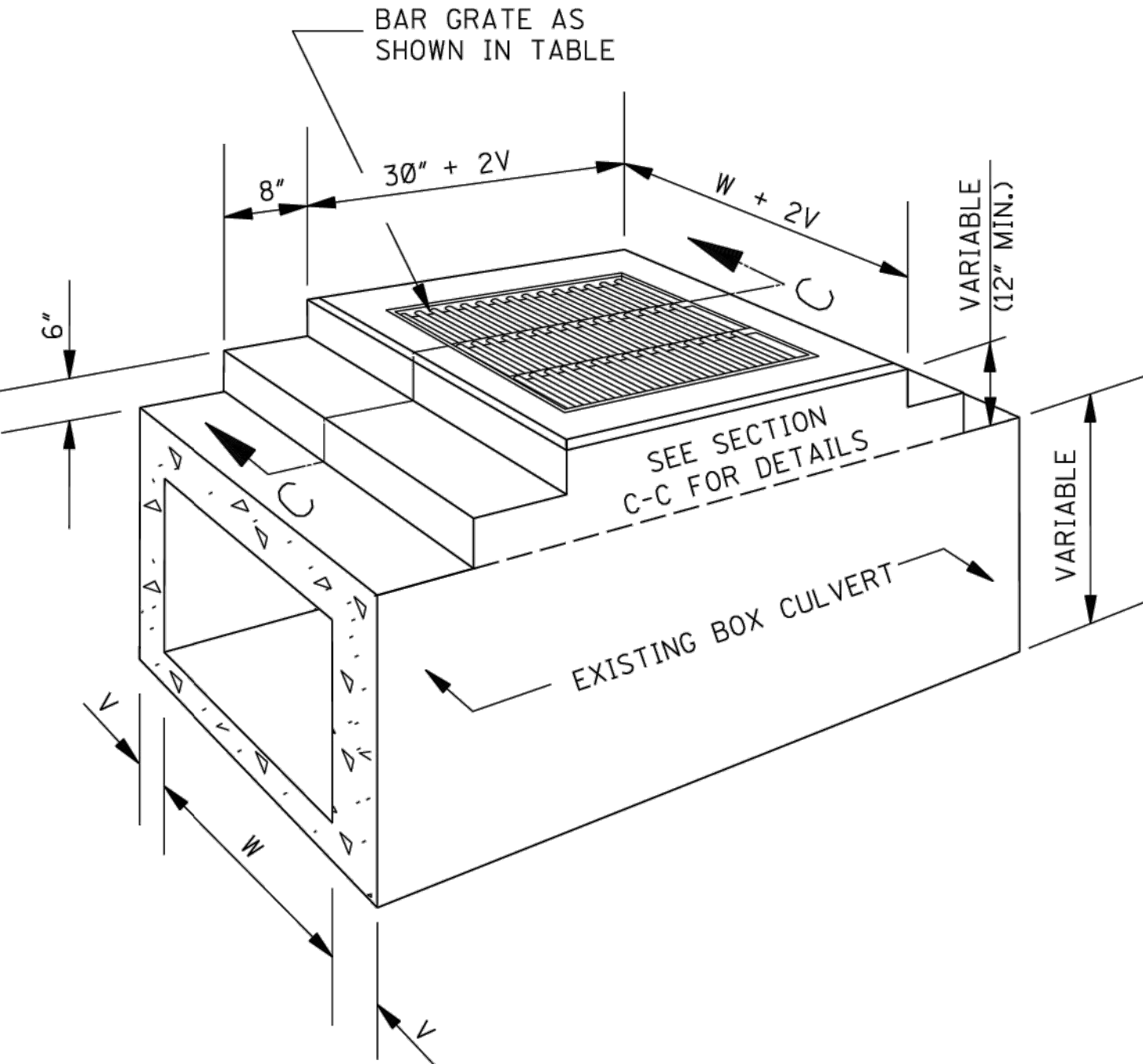
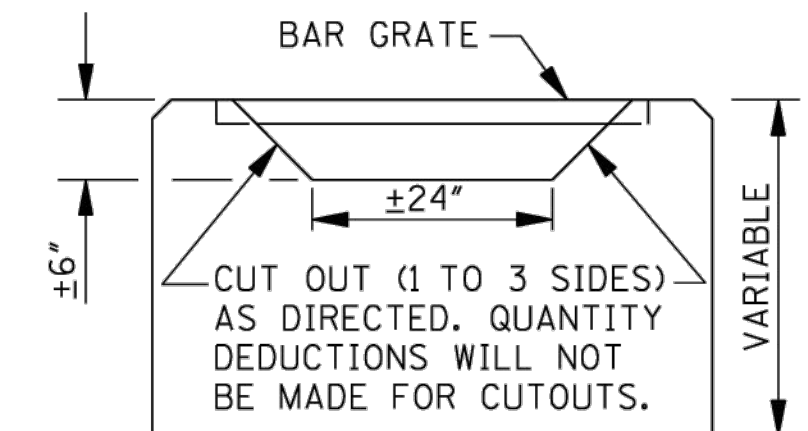
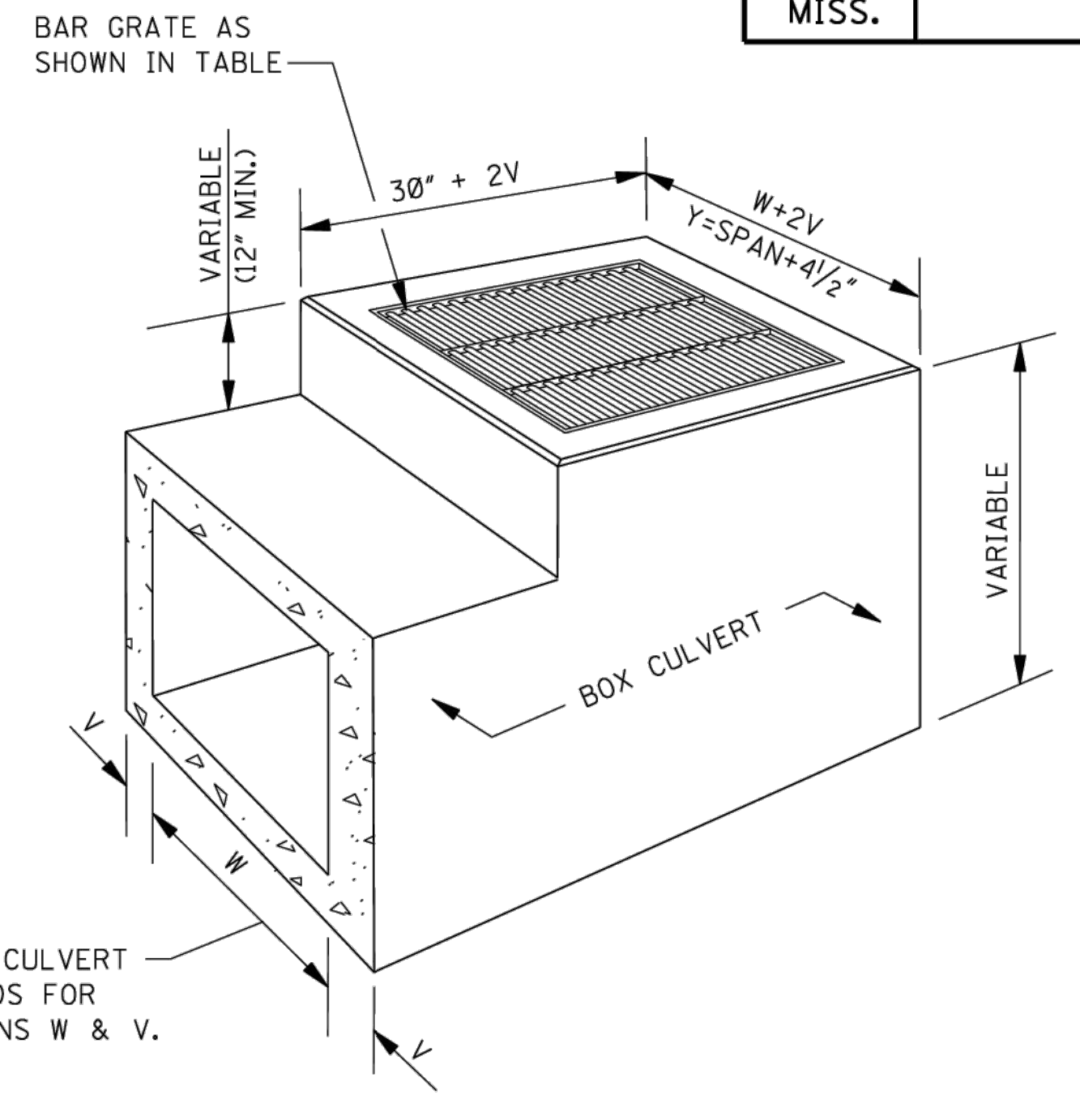
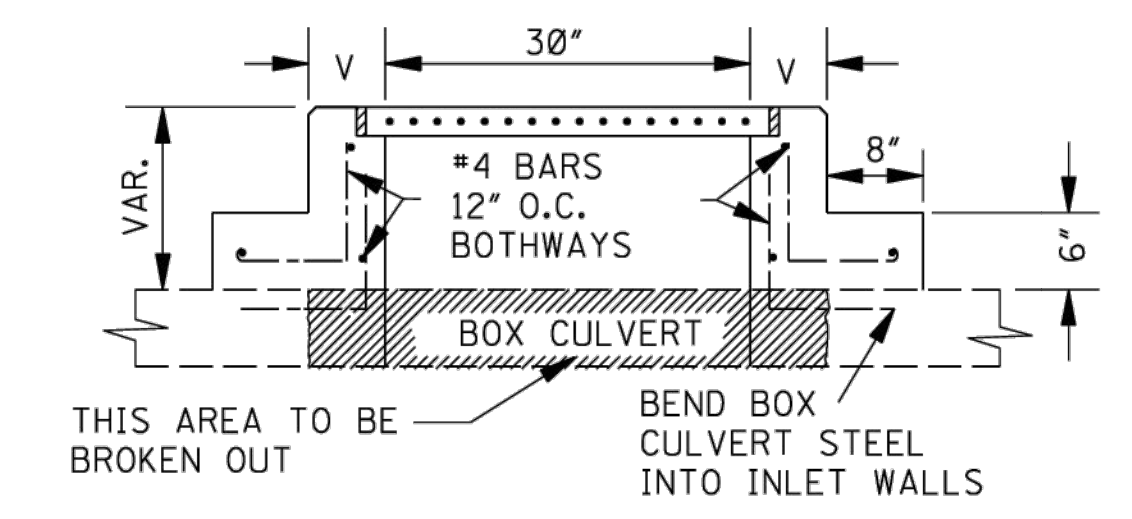
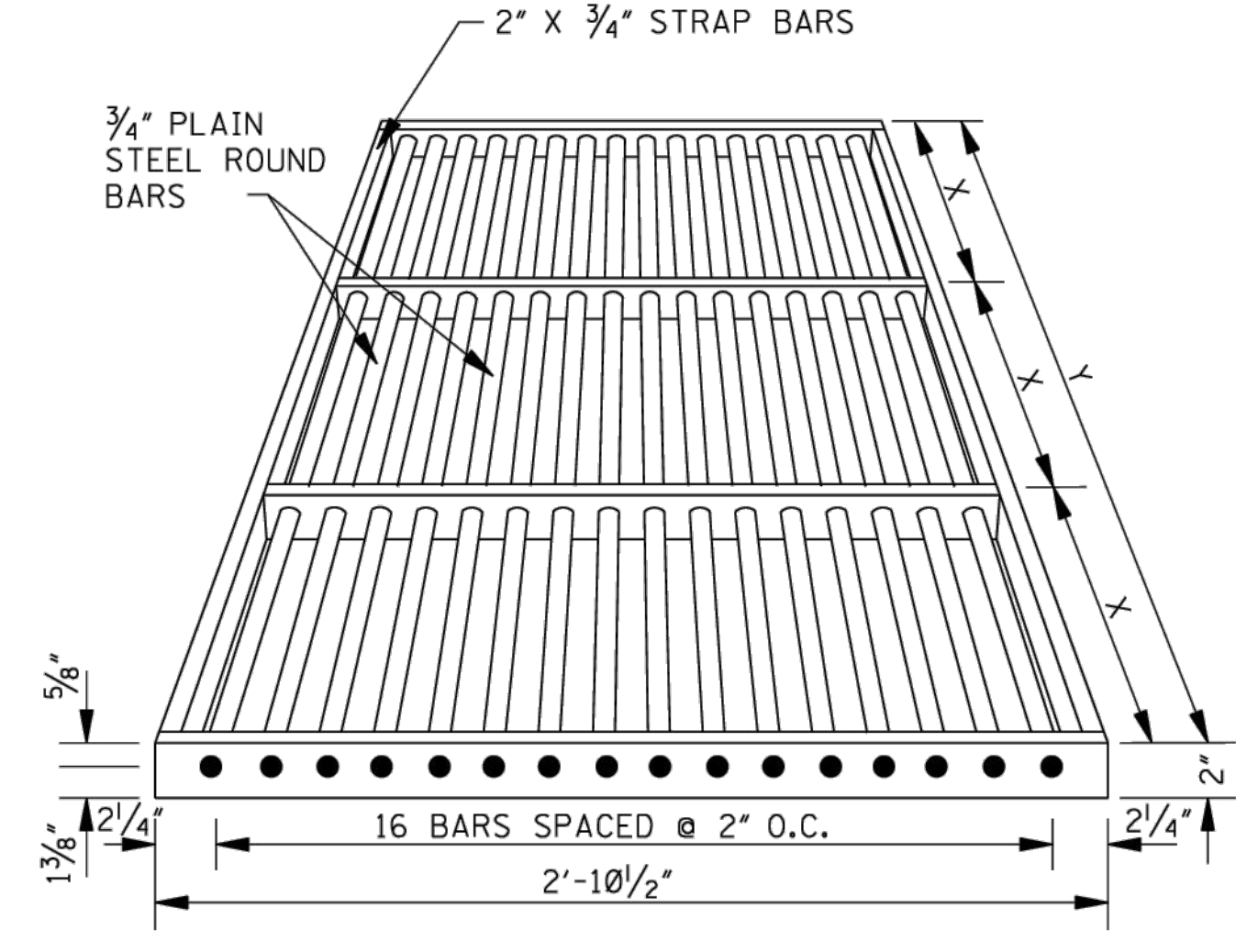
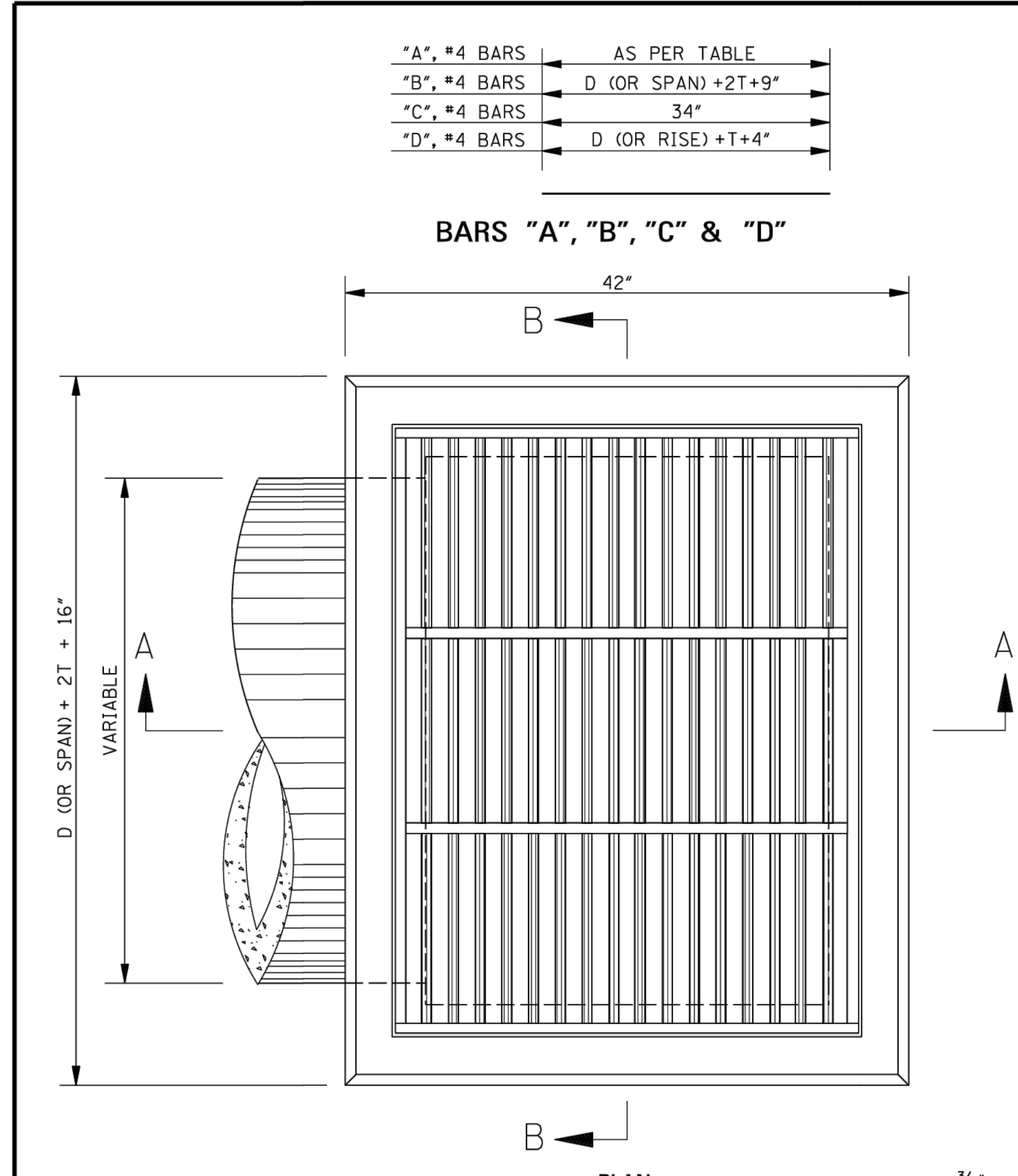
SHEET NUMBER
6524

ISSUE DATE: AUGUST 01, 2017





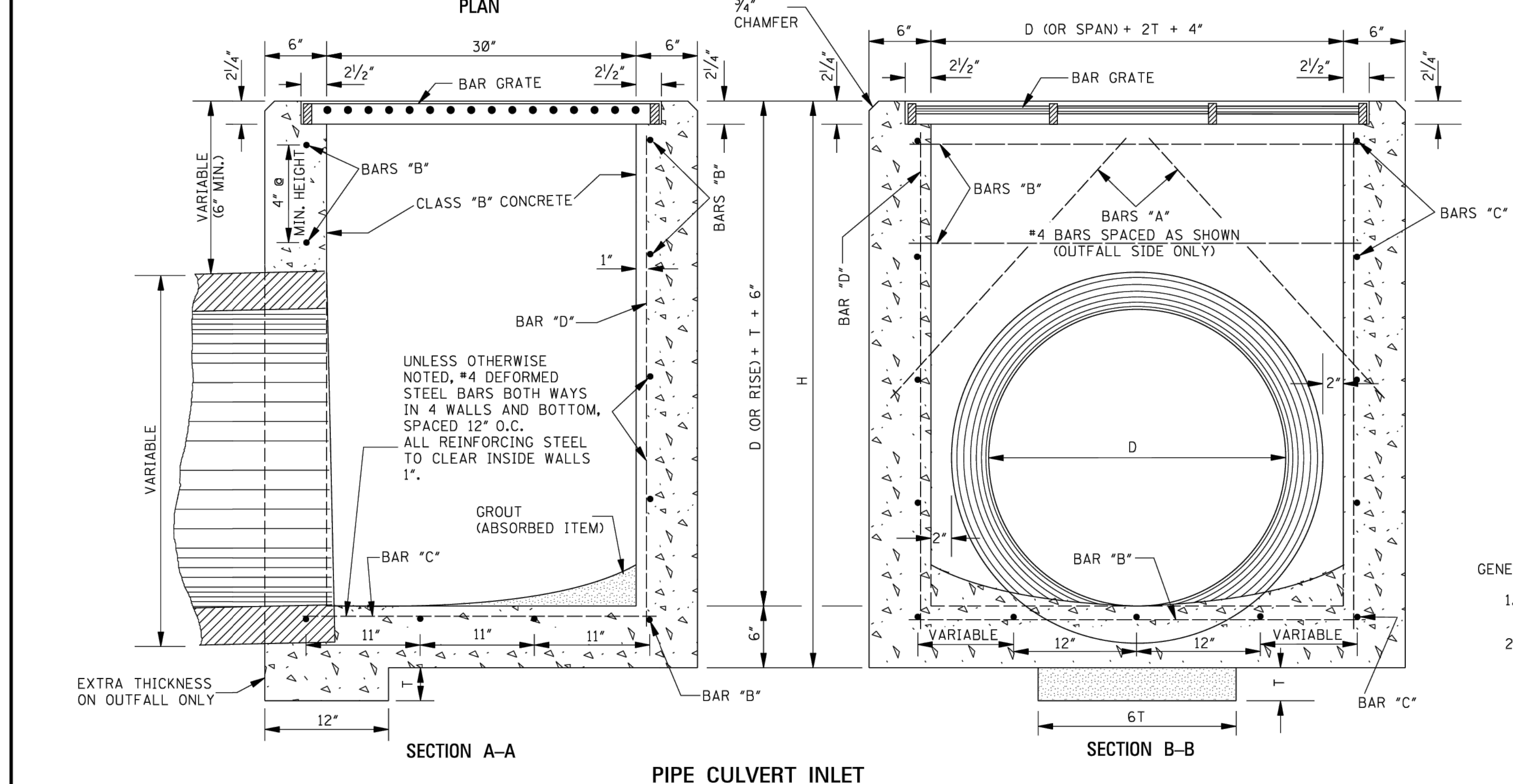
STATE	PROJECT NO.
MISS.	



LENGTH AND WEIGHT OF GRATING									
PIPE INLETS					BOX CULVERT INLETS				
PIPE SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)	BOX CULVERT SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)
18"	2'-7 1/2"	1'-3 3/4"	2	127	2' X 2'	2'-4 1/2"	1'-2 1/4"	2	119
22" X 13"	2'-11 1/2"	1'-5 3/4"	2	139	3' X 2'	3'-4 1/2"	1'-1 1/2"	3	166
24"	3'-2 1/2"	1'-7 1/4"	2	147	4' X 2'	4'-4 1/2"	1'-5 1/2"	3	200
29" X 18"	3'-7"	1'-2 1/2"	3	173	5' X 2'	5'-4 1/2"	1'-4 1/8"	4	247
30"	3'-9 1/2"	1'-3 3/4"	3	180	6' X 2'	6'-4 1/2"	1'-3 3/4"	5	293
36"	4'-4 1/2"	1'-5 1/2"	3	200	7' X 2'	7'-4 1/2"	1'-5 1/8"	5	328
42"	4'-11 1/2"	1'-2 1/8"	4	232	8' X 2'	8'-4 3/4"	1'-4 3/4"	6	374
48"	5'-6 1/2"	1'-4 5/8"	4	252	3' X 3'	3'-4 1/2"	1'-1 1/2"	3	166
54"	6'-1 1/2"	1'-6 1/8"	4	272	4' X 3'	4'-4 1/2"	1'-5 1/2"	3	200
60"	6'-8 1/2"	1'-4 1/8"	5	305	5' X 3'	5'-4 1/2"	1'-4 1/8"	4	247
					6' X 3'	6'-4 1/2"	1'-3 3/4"	5	293

QUANTITIES															
PIPE SIZE	MIN. DEPTH TO F.L.	MIN. CONC (yd ³)	STEEL (lbs)	EACH ADDED FOOT		PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES							
				CONC (yd ³)	STEEL (lbs)			"A" #4	"B" #4	"C" #4	"D" #4	"A" #4	"B" #4	"C" #4	"D" #4
18"	2.209'	0.623	42	0.213	13	0.053	2 1/2"	2 @ 21"	8 @ 32"	7 @ 34"	9 @ 24 1/2"				
22" X 13"	1.833'	0.586	42	0.225	14	0.053	2 1/2"	2 @ 25"	8 @ 36"	7 @ 34"	9 @ 20"				
24"	2.750'	0.800	55	0.235	14	0.091	3"	2 @ 25"	9 @ 39"	9 @ 34"	9 @ 31"				
29" X 18"	2.250'	0.742	57	0.248	16	0.087	3"	2 @ 30"	9 @ 43 1/2"	9 @ 34"	11 @ 25"				
30"	3.292'	0.992	70	0.256	16	0.138	3 1/2"	2 @ 30"	9 @ 46"	11 @ 34"	11 @ 37 1/2"				
36"	3.834'	1.198	85	0.278	17	0.196	4"	2 @ 33"	10 @ 53"	13 @ 34"	11 @ 44"				
42"	4.375'	1.418	93	0.299	18	0.263	4 1/2"	2 @ 36"	10 @ 60"	13 @ 34"	11 @ 50 1/2"				
48"	4.917'	1.653	109	0.321	19	0.340	5"	2 @ 39"	11 @ 67"	15 @ 34"	11 @ 57"				
54"	5.458'	1.902	136	0.343	21	0.427	5 1/2"	2 @ 42"	12 @ 74"	19 @ 34"	13 @ 63 1/2"				
60"	6.000'	2.165	146	0.364	21	0.524	6"	2 @ 47"	12 @ 81"	19 @ 34"	13 @ 70"				

*NOTE: ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.



- GENERAL NOTES:**
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - BOX CULVERTS:
 - UNLESS OTHERWISE SHOWN, THE DETAILS OF THE BOX CULVERT INLETS SHALL CONFORM TO THOSE SHOWN FOR THE PIPE INLETS.
 - BOX CULVERT REINFORCEMENT SHALL BE CONTINUED AND RESHAPED TO ACCOMMODATE THE INLET BOX. ADDITIONAL BARS SHALL BE THE SAME DIAMETER AS THOSE IN THE BOX CULVERT AND THE CONCRETE SHALL BE THE SAME. QUANTITIES SHALL BE COMPUTED IN CONJUNCTION WITH QUANTITIES FOR BOX CULVERT.

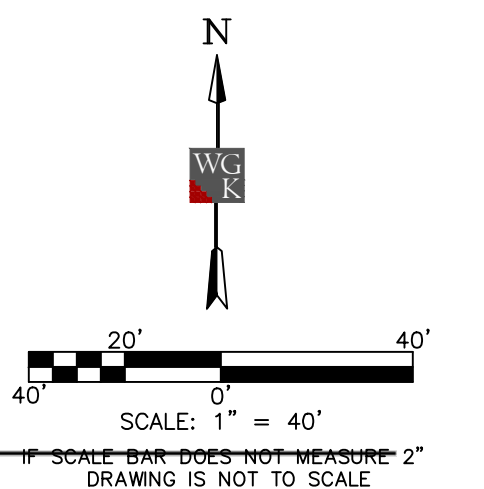
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**DROP INLET AND GRATE
DETAILS FOR PIPE
AND BOX CULVERTS**

WORKING NUMBER B-9

SHEET NUMBER 6527

ISSUE DATE: AUGUST 01, 2017



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

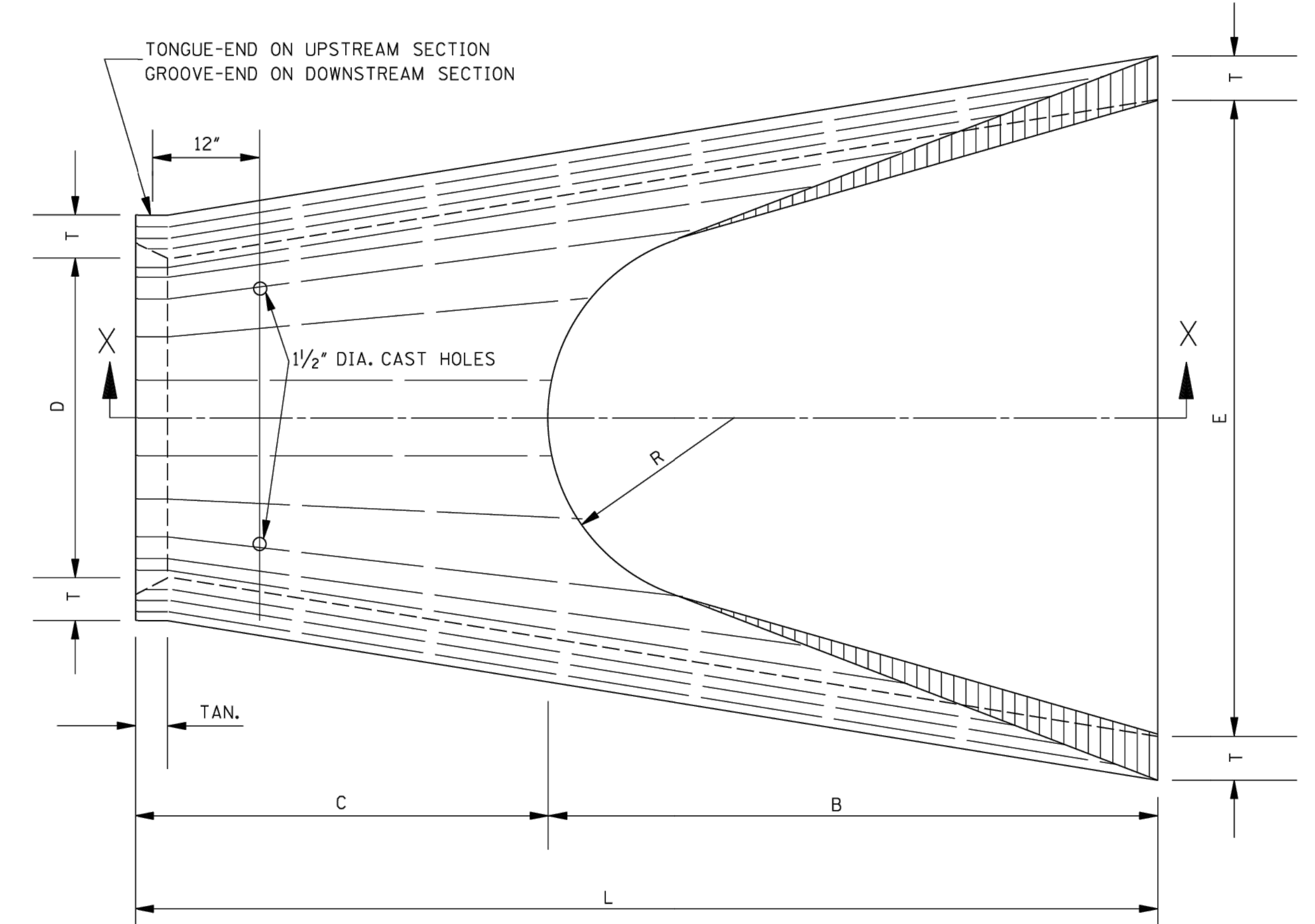


BELL AND SPIGOT END OPTION

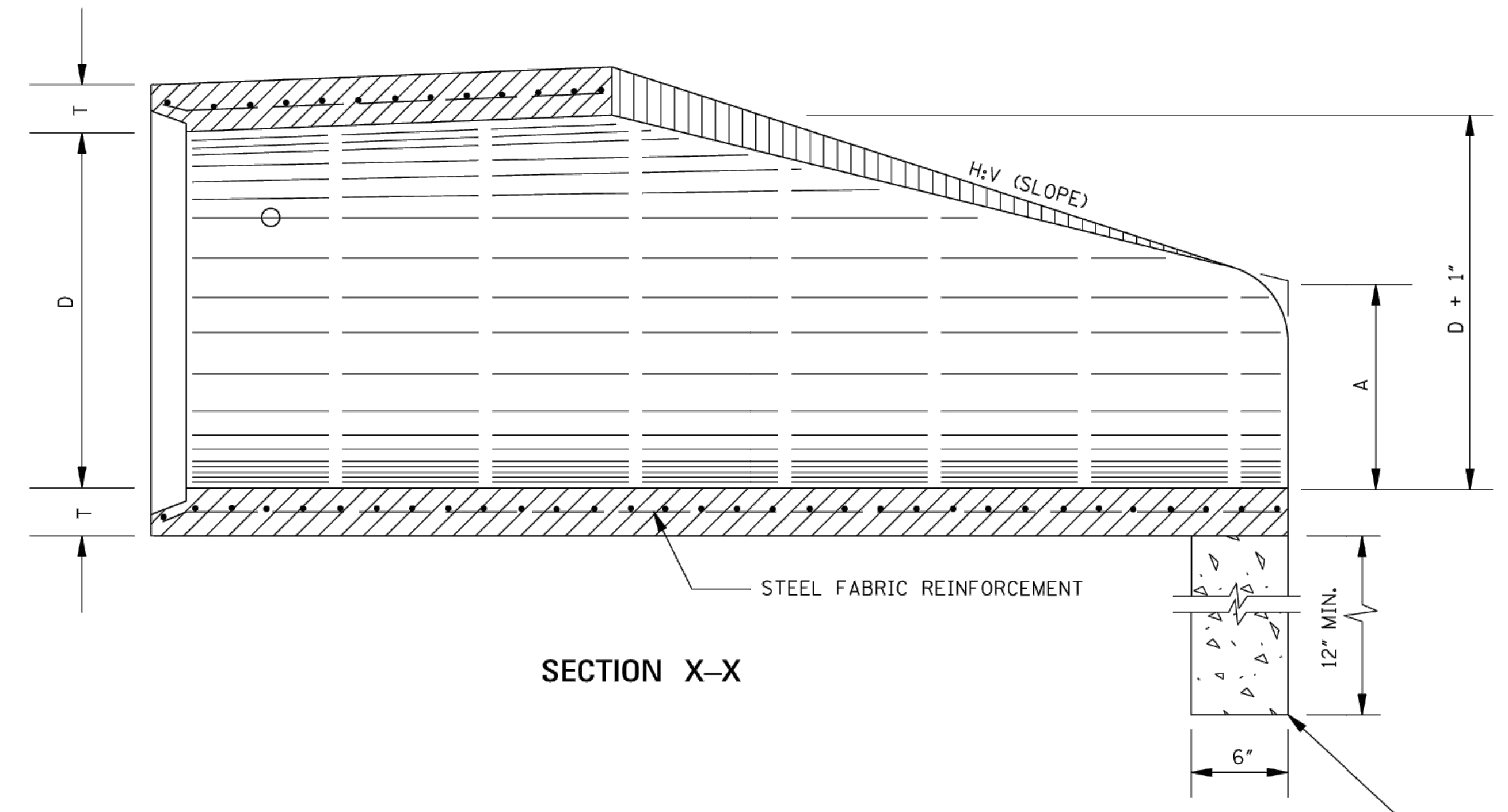
NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

STATE PROJECT NO. _____
HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731", AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.

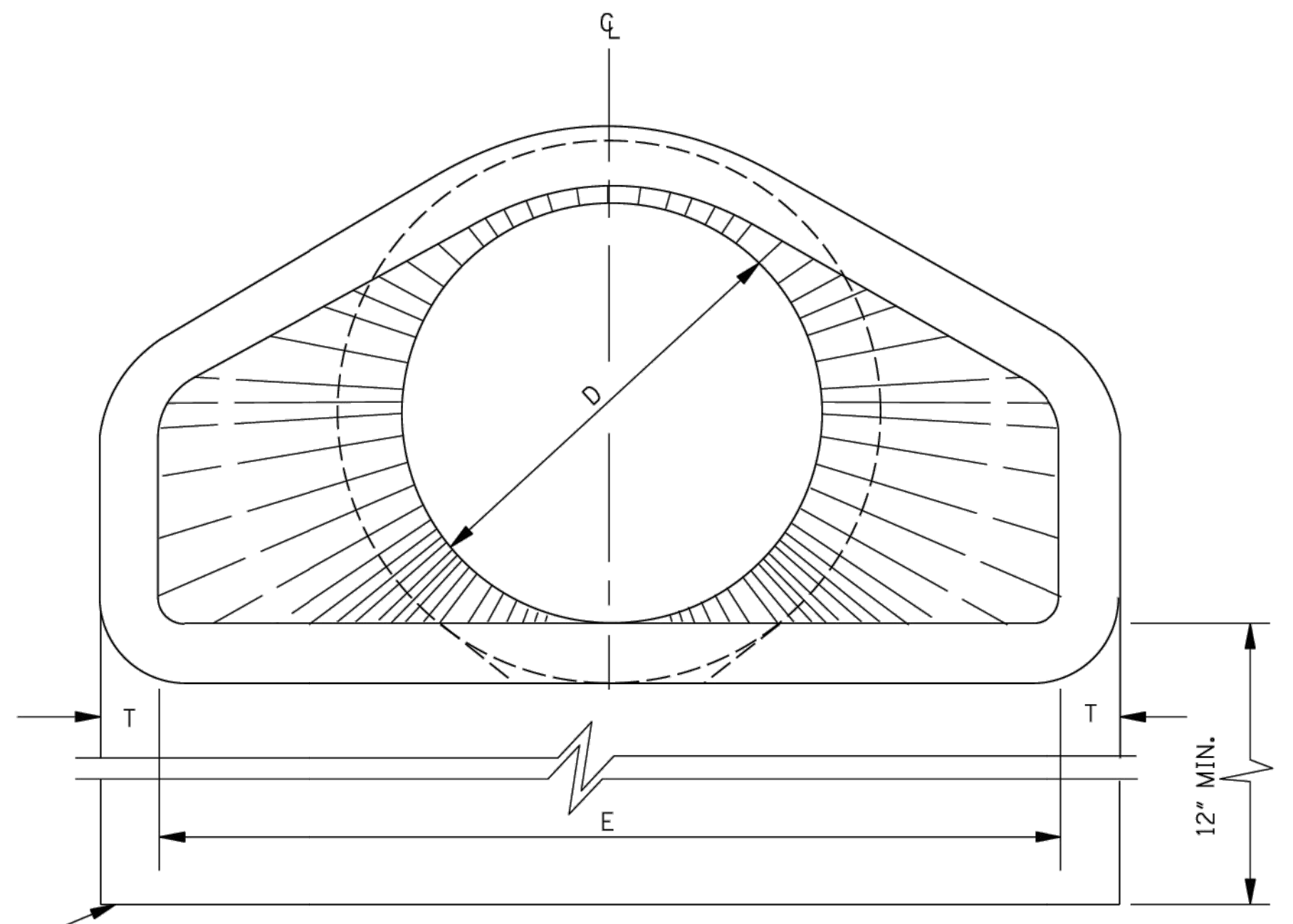
LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



PLAN OF DOWNSTREAM END



SECTION X-X



END ELEVATION

TABLE OF DIMENSIONS

D	T	H:V	A	B	C	E	L
15"	2 1/4"	3:1	6"	2'-3"	4'-1"	2'-8"	6'-1"
18"	2 1/2"	3:1	9"	2'-3"	3'-10"	3'-0"	6'-1"
24"	3"	3:1	10"	3'-8"	2'-6"	4'-0"	6'-2"
30"	3 1/2"	3:1	1'-0"	4'-6"	1'-8"	5'-0"	6'-2"
36"	4"	3:1	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"
42"	4 1/2"	3:1	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"
48"	5"	3:1	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"
54"	5 1/2"	3:1	2'-4"	6'-6"	1'-10"	7'-6"	8'-4"
* 60"	6"	3:1	2'-10"	6'-6"	1'-10"	8'-0"	8'-4"
* 66"	6 1/2"	3:1	3'-4"	6'-6"	1'-10"	8'-6"	8'-4"
* 72"	7"	3:1	3'-10"	6'-6"	1'-10"	9'-0"	8'-4"

* NOTE: SEE GENERAL NOTE 2.

TOE WALL CONC. QUANTITY (yd³)

0.056
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167
0.177
0.188

GENERAL NOTES:

- REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M 170, TABLE 2, WALL B.
- 2 - 1/2" DIA. CAST HOLES REQUIRED AS SHOWN TO ACCOMMODATE 2 - 1" DIA. TIE BOLTS, USED IN TIEING SECTION TO PIPE CULVERT.
- LENGTH (L) OF A BELL-END OPTION MAY VARY BY A NOMINAL EXTENSION ON THE BELL END.
- FLARED END SECTIONS SHOULD BE REGARDED AS OBSTACLES UNDER THE BELOW CONDITIONS AND AS SUCH SHOULD BE LOCATED OUTSIDE OF THE CLEAR ZONE:
 - CROSS DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 36" OR EQUIVALENT FOR ARCH PIPES.
 - CROSS DRAINS WITH MULTIPLE ROUND PIPES OF DIAMETER GREATER THAN 30" OR EQUIVALENT FOR ARCH PIPES.
 - PARALLEL SIDE DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 24" OR EQUIVALENT FOR ARCH PIPES.
- ALL SIZES OF FLARED END SECTIONS FOR CIRCULAR CONCRETE PIPE MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.

TOE WALL REQUIRED ON ALL FLARED END SECTIONS. TO BE PAID FOR AS CLASS "B" STRUCTURAL CONCRETE - MINOR STRUCTURES.

BY: MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
FLARED END SECTION FOR CONCRETE PIPE	
DATE	ISSUE DATE: AUGUST 01, 2017
REVISION	WORKING NUMBER FE-1
	SHEET NUMBER 6530

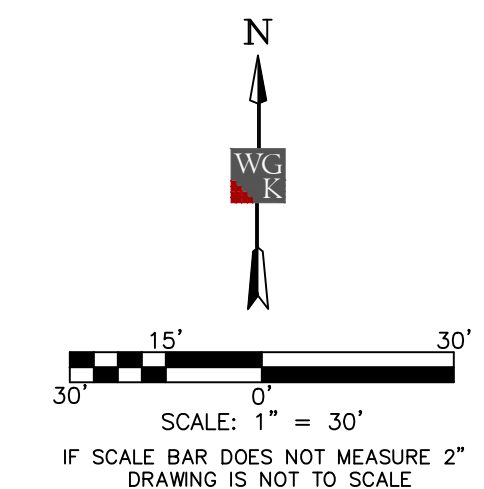
Meridian High School Baseball/Softball
2320 32nd St., Meridian, MS 39305

100%
Construction Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

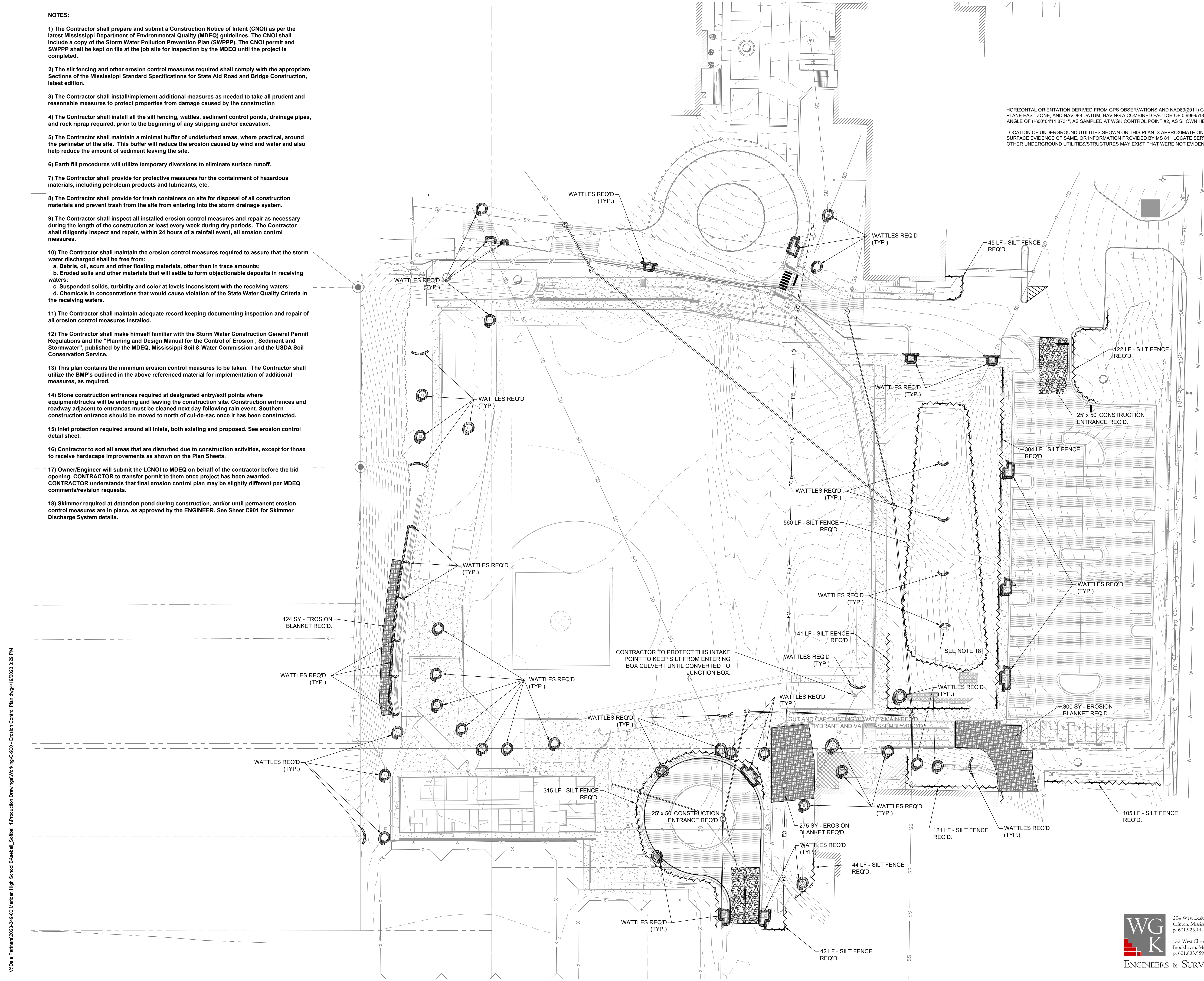
NOTES:

- 1) The Contractor shall prepare and submit a Construction Notice of Intent (CNOI) as per the latest Mississippi Department of Environmental Quality (MDEQ) guidelines. The CNOI shall include a copy of the Storm Water Pollution Prevention Plan (SWPPP). The CNOI permit and SWPPP shall be kept on file at the job site for inspection by the MDEQ until the project is completed.
- 2) The silt fencing and other erosion control measures required shall comply with the appropriate Sections of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, latest edition.
- 3) The Contractor shall install/implement additional measures as needed to take all prudent and reasonable measures to protect properties from damage caused by the construction.
- 4) The Contractor shall install all the silt fencing, wattles, sediment control ponds, drainage pipes, and rock riprap required, prior to the beginning of any stripping and/or excavation.
- 5) The Contractor shall maintain a minimal buffer of undisturbed areas, where practical, around the perimeter of the site. This buffer will reduce the erosion caused by wind and water and also help reduce the amount of sediment leaving the site.
- 6) Earth fill procedures will utilize temporary diversions to eliminate surface runoff.
- 7) The Contractor shall provide for protective measures for the containment of hazardous materials, including petroleum products and lubricants, etc.
- 8) The Contractor shall provide for trash containers on site for disposal of all construction materials and prevent trash from the site from entering into the storm drainage system.
- 9) The Contractor shall inspect all installed erosion control measures and repair as necessary during the length of the construction at least every week during dry periods. The Contractor shall diligently inspect and repair, within 24 hours of a rainfall event, all erosion control measures.
- 10) The Contractor shall maintain the erosion control measures required to assure that the storm water discharged shall be free from:
 - a. Debris, oil, scum and other floating materials, other than in trace amounts;
 - b. Eroded soils and other materials that will settle to form objectionable deposits in receiving waters;
 - c. Suspended solids, turbidity and color at levels inconsistent with the receiving waters;
 - d. Chemicals in concentrations that would cause violation of the State Water Quality Criteria in the receiving waters.
- 11) The Contractor shall maintain adequate record keeping documenting inspection and repair of all erosion control measures installed.
- 12) The Contractor shall make himself familiar with the Storm Water Construction General Permit Regulations and the "Planning and Design Manual for the Control of Erosion, Sediment and Stormwater", published by the MDEQ, Mississippi Soil & Water Commission and the USDA Soil Conservation Service.
- 13) This plan contains the minimum erosion control measures to be taken. The Contractor shall utilize the BMP's outlined in the above referenced material for implementation of additional measures, as required.
- 14) Stone construction entrances required at designated entry/exit points where equipment/trucks will be entering and leaving the construction site. Construction entrances and roadway adjacent to entrances must be cleaned next day following rain event. Southern construction entrance should be moved to north of cul-de-sac once it has been constructed.
- 15) Inlet protection required around all inlets, both existing and proposed. See erosion control detail sheet.
- 16) Contractor to sod all areas that are disturbed due to construction activities, except for those to receive hardscape improvements as shown on the Plan Sheets.
- 17) Owner/Engineer will submit the LCNOI to MDEQ on behalf of the contractor before the bid opening. CONTRACTOR to transfer permit to them once project has been awarded. CONTRACTOR understands that final erosion control plan may be slightly different per MDEQ comments/revision requests.
- 18) Skimmer required at detention pond during construction, and/or until permanent erosion control measures are in place, as approved by the ENGINEER. See Sheet C901 for Skimmer Discharge System details.



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"/>

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Meridian High School Baseball/Softball
2820 32nd St., Meridian, MS 39305

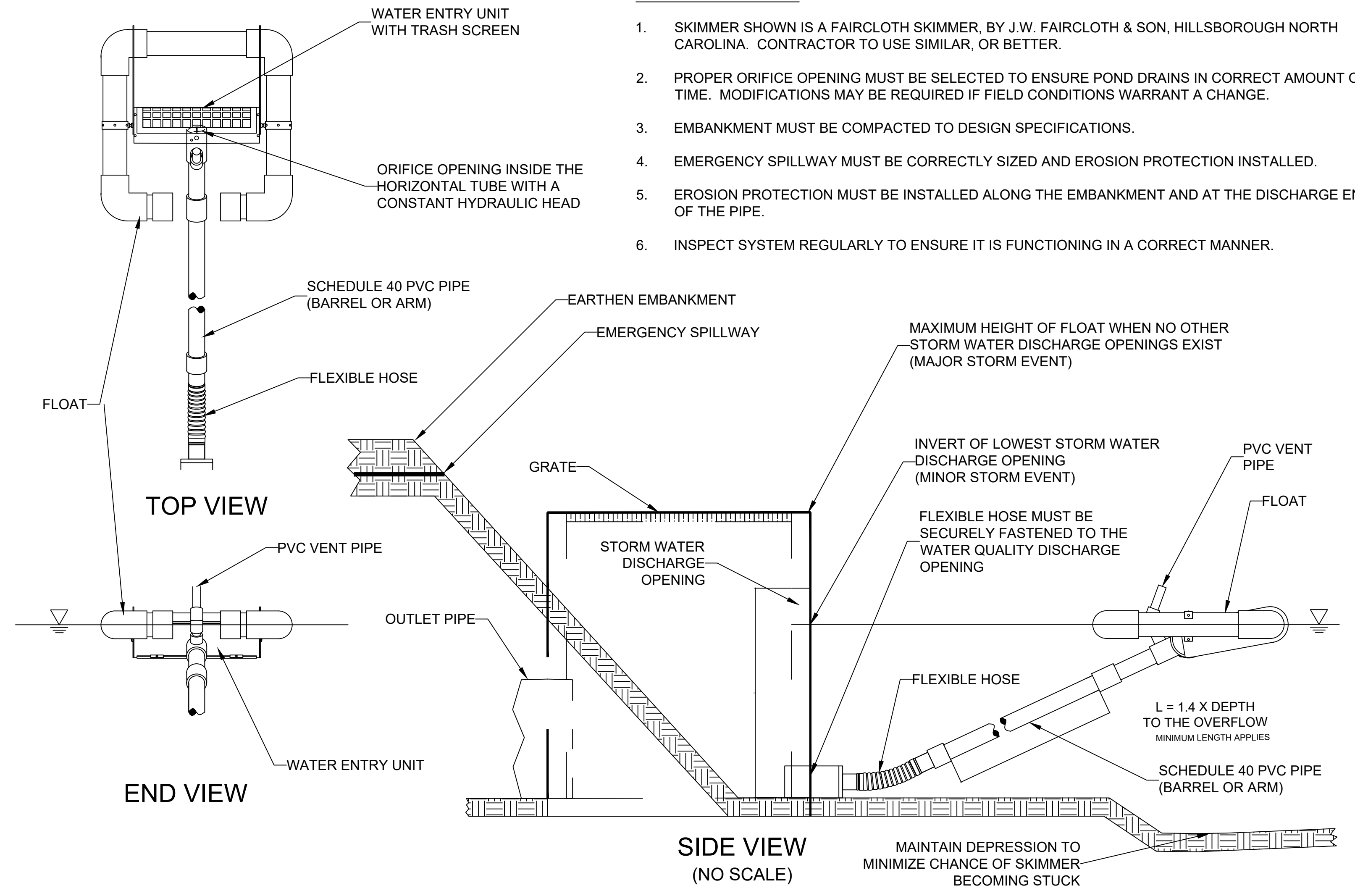
100%
Construction
Documents

Project No 22034-03
Date March 6, 2023
Revisions Rev Date
Rev. 4 April 19, 2023

V:\Dale Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Working\C-800 - Erosion Control Plan.dwg/19/2023 3:29 PM

SKIMMER NOTES:

- SKIMMER SHOWN IS A FAIRCLOTH SKIMMER, BY J.W. FAIRCLOTH & SON, HILLSBOROUGH NORTH CAROLINA. CONTRACTOR TO USE SIMILAR, OR BETTER.
- PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
- EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
- EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
- EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
- INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.

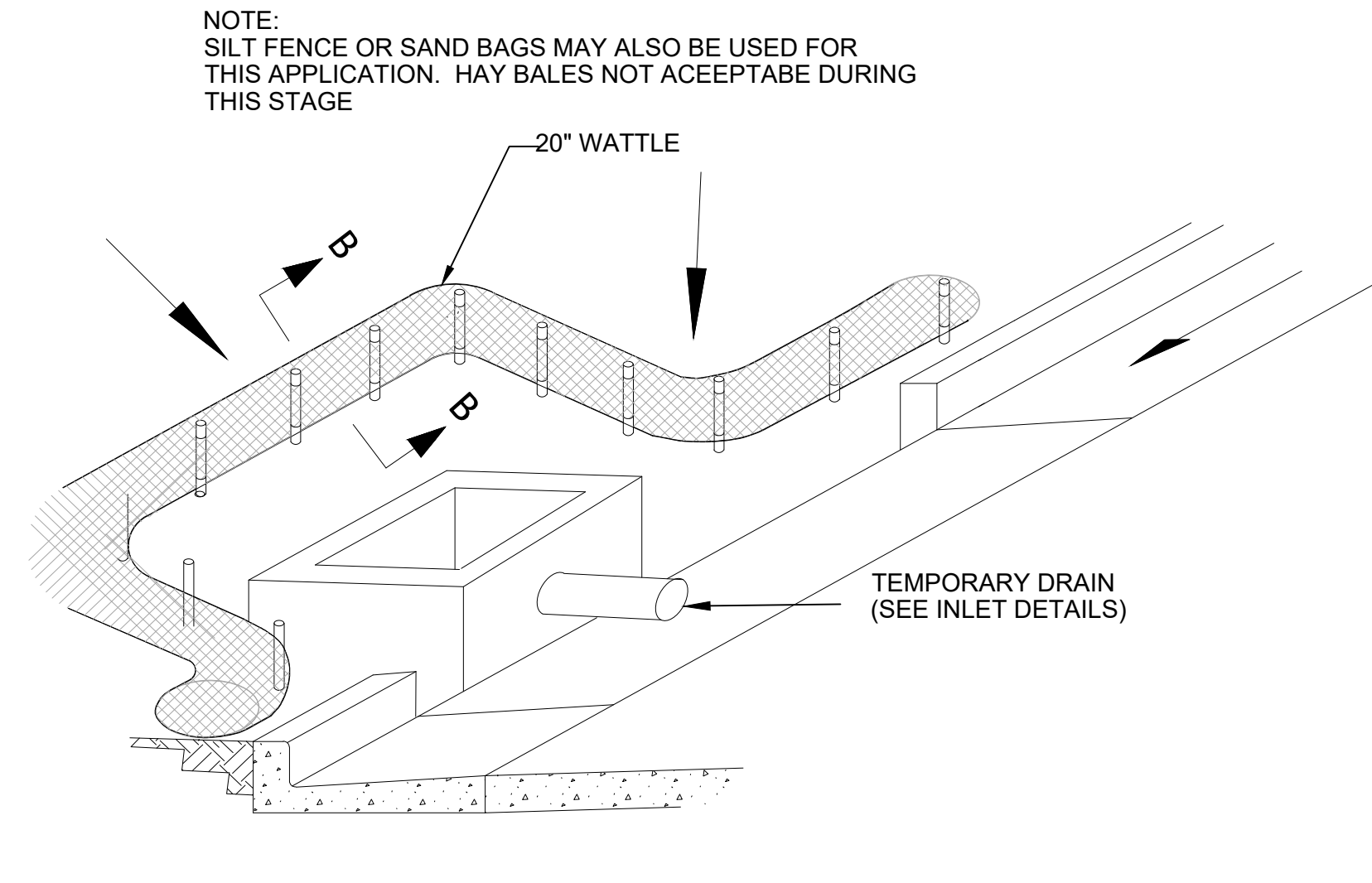


SKIMMER SIZE	FLOW CAPACITIES (IN CU. FT.) FOR THE FAIRCLOTH SKIMMER							
	1.5"	2"	2.5"	3"	4"	5"	6"	8"
24 HOURS	1,728	3,283	6,234	9,774	20,109	32,832	51,840	97,978
2 DAY	3,456	6,566	12,468	19,548	40,218	65,664	103,680	195,956
3 DAY	5,184	9,849	18,702	29,322	60,327	98,496	155,520	293,934
4 DAY	6,912	13,132	24,936	39,096	80,436	131,328	207,360	391,912
5 DAY	8,640	16,415	31,170	48,870	100,545	164,160	259,200	489,890
6 DAY	10,368	19,698	37,404	58,644	120,654	196,992	311,040	587,868
7 DAY	12,096	22,981	43,638	68,418	140,763	229,824	362,880	685,846

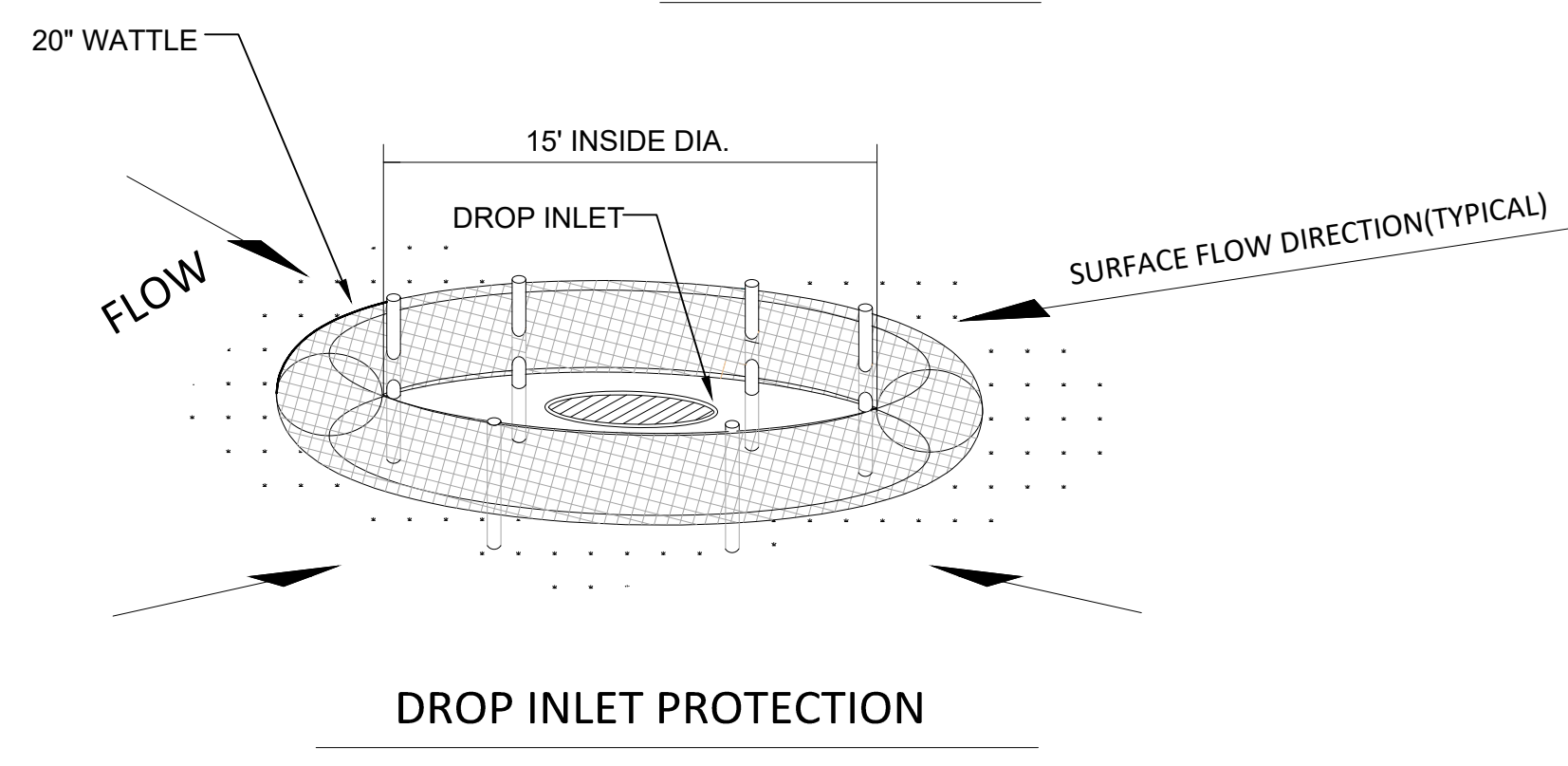
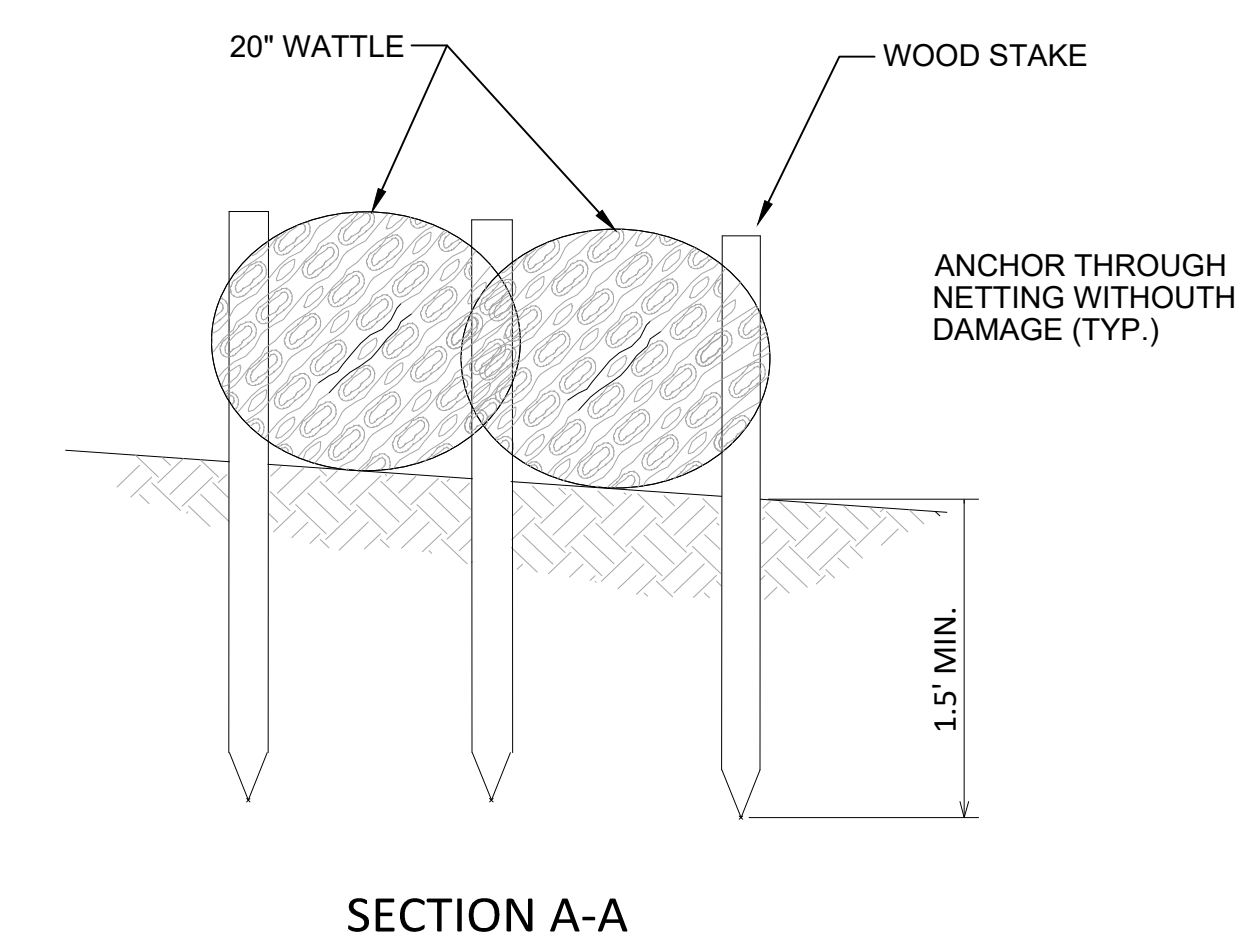
SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE
N.T.S.

General Notes

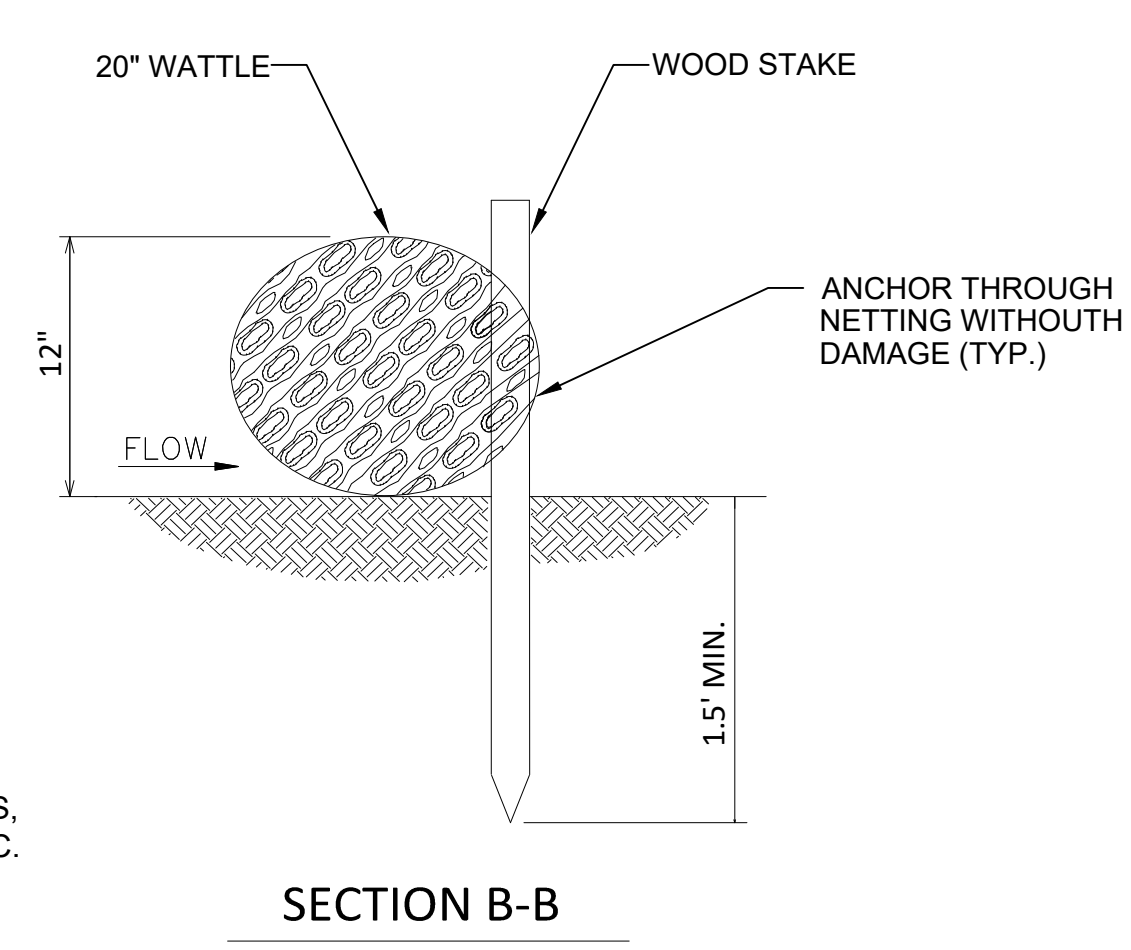
- The Contractor shall complete the Construction Notice of Intent contained in the Contract Documents.
- The silt fencing required shall comply with Section 234 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
- The Contractor shall install/implement additional measures as needed and take all prudent and reasonable measures to protect properties from damage caused by the construction.
- The Contractor shall install all the silt fencing, straw bales, sediment and diversion berms as directed by the Engineer.
- The Contractor shall provide protective measures for the containment of hazardous materials, including petroleum products and lubricants, etc.
- The Contractor shall provide trash containers on site for disposal of all construction materials, and shall prevent trash from entering the storm drainage system.
- The Contractor shall inspect all installed erosion control measures, and shall repair as necessary during the length of the construction (at least every seven (7) days during dry periods.) The Contractor shall diligently inspect and repair, within 24 hours of a rainfall event, all erosion control measures.
- The Contractor shall maintain the erosion control measures to assure that the storm water discharged shall be free from:
 - Debris, oil, scum and other floating materials, other than in trace amounts;
 - Eroded soils and other materials that will settle to form objectionable deposits in receiving waters;
 - Suspended solids, turbidity and color at levels inconsistent with the receiving waters;
 - Chemicals in concentrations that would cause violation of the State Water Quality Criteria in the receiving waters.
- The Contractor shall maintain adequate record keeping documenting inspection and repair of all erosion control measures installed.
- The Contractor shall make himself familiar with the Storm Water Construction General Permit Regulations and the "Planning and Design Manual for the Control of Erosion, Sediment and Stormwater", published by the MDEQ, Mississippi Soil & Water Commission and the USDA Soil Conservation Service.



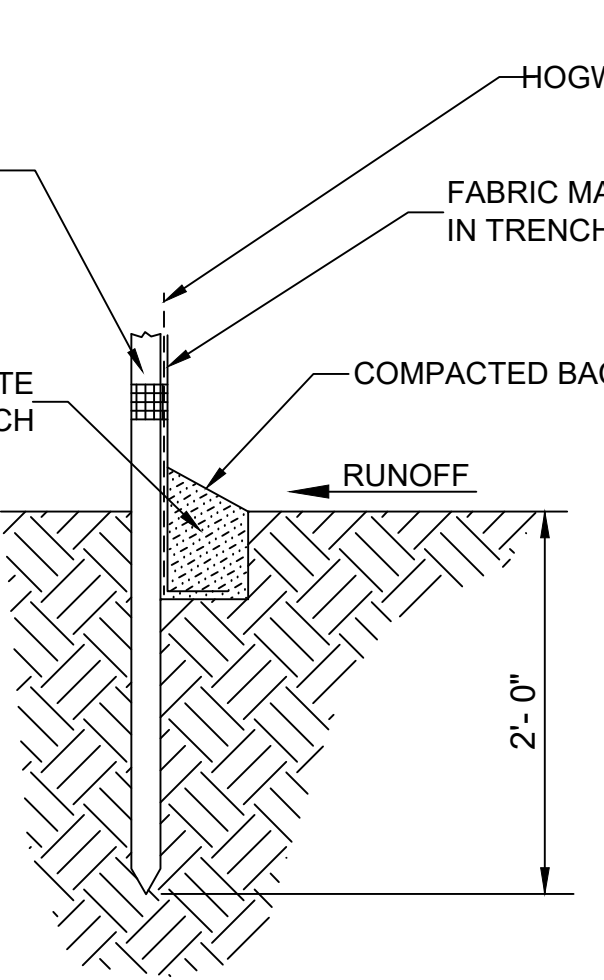
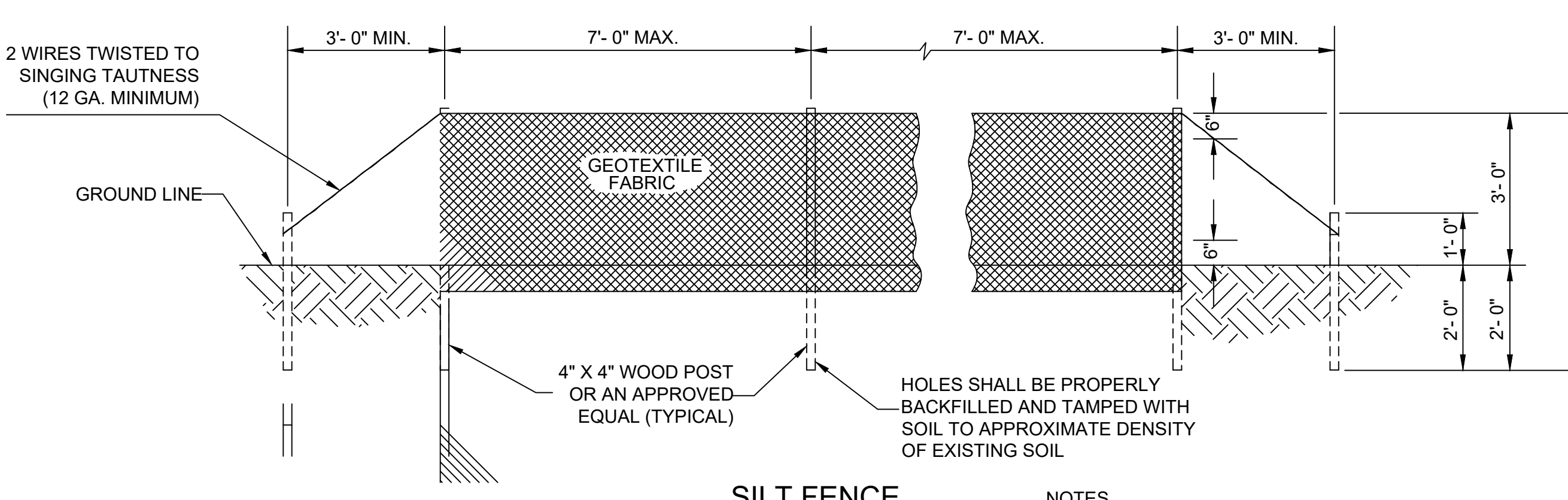
CURB INLET PROTECTION (STAGE 2)
SINGLE OR DOUBLE WING INLET



- NOTES:**
- ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 - OVERLAP ENDS OF WATTLES PER MANUFACTURER'S RECOMMENDATIONS (1" MAX., 3" MAX.).
 - TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.



SECTION B-B



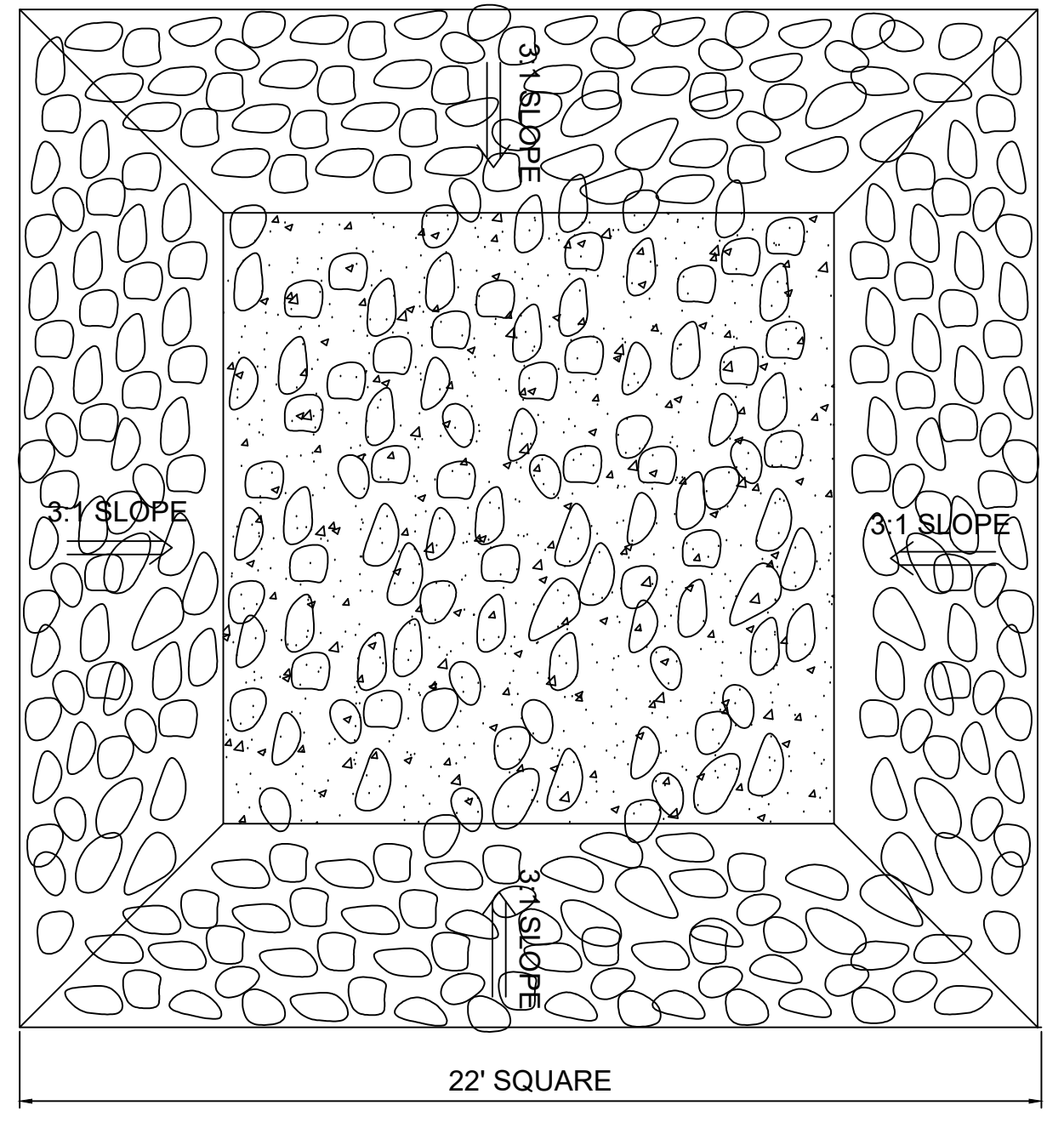
SECTION

SILT FENCE

- SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
- SILT FENCE SHOULD BE PLACED WELL INSIDE PROPERTY BOUNDARY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
- WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
- AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
- RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
- IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE NINE (9) GAUGE, GALVANIZED, 1 1/2" LONG, FIVE (5) PER POST @ APPROXIMATELY 1'-0" ON CENTER.
- WOVEN WIRE TO BE 12 1/2 GAUGE (MINIMUM).

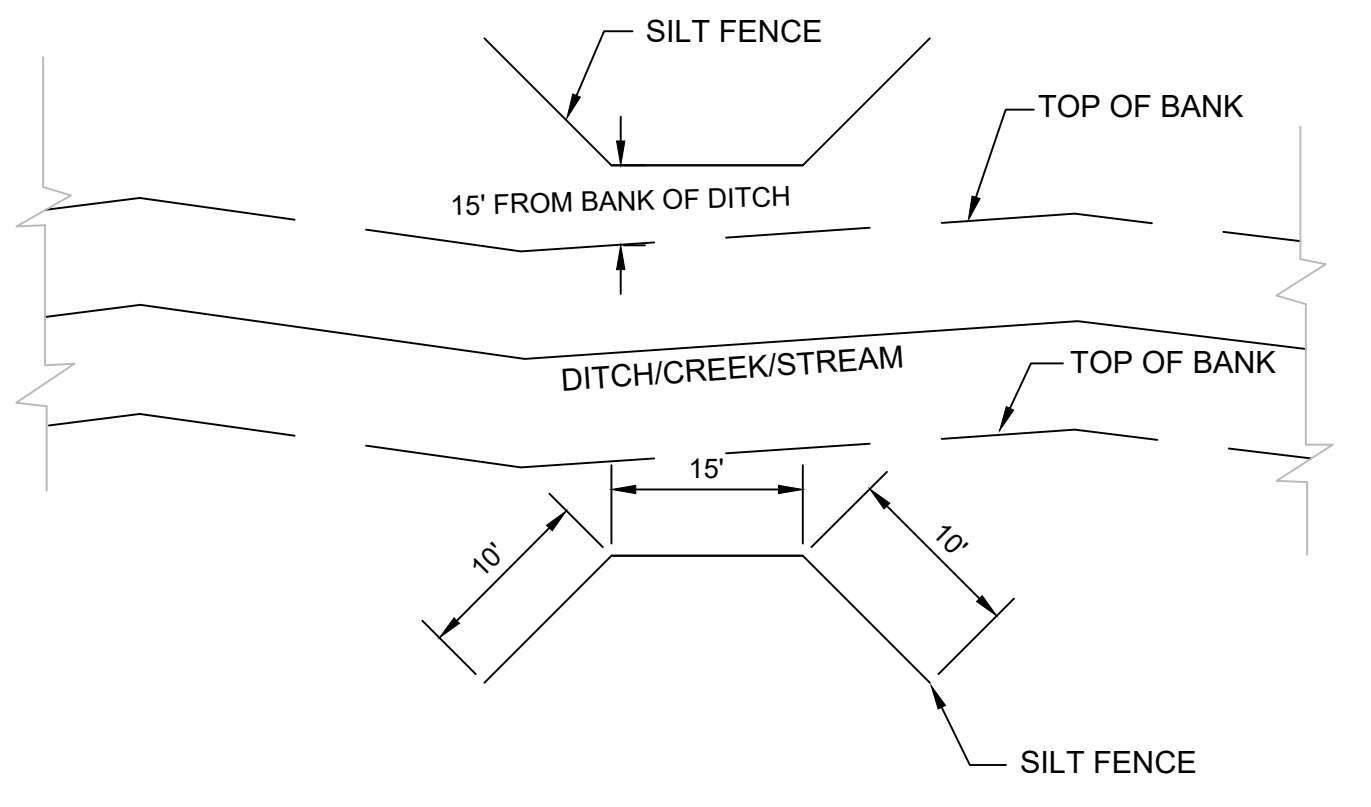
SPECIFICATIONS
CURRENT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SILT FENCE INSTALLATION

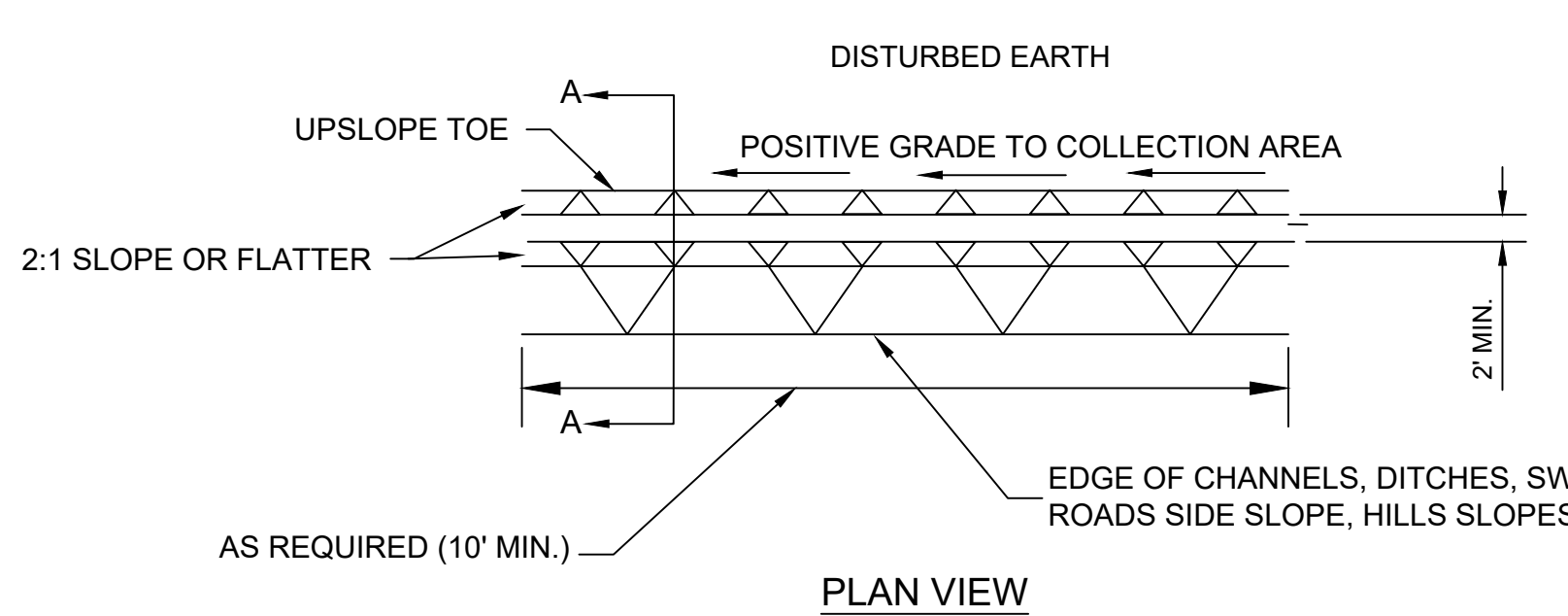


NOTE: GROUTED ROCK RIPRAP ON BOTTOM ONLY

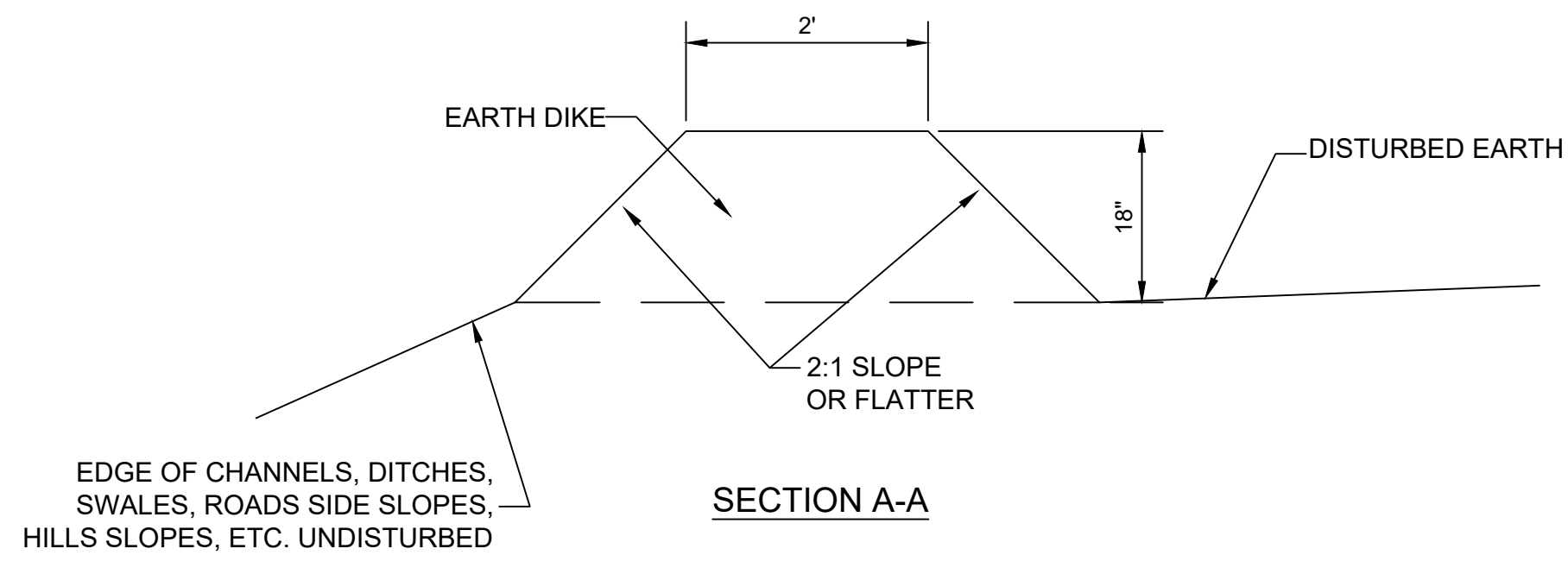
PLUNGE POOL DETAIL
NOT TO SCALE



SILT FENCE AT DITCH DETAIL
N.T.S.



PLAN VIEW



SECTION A-A

DIVERSION BERM DETAIL
N.T.S.