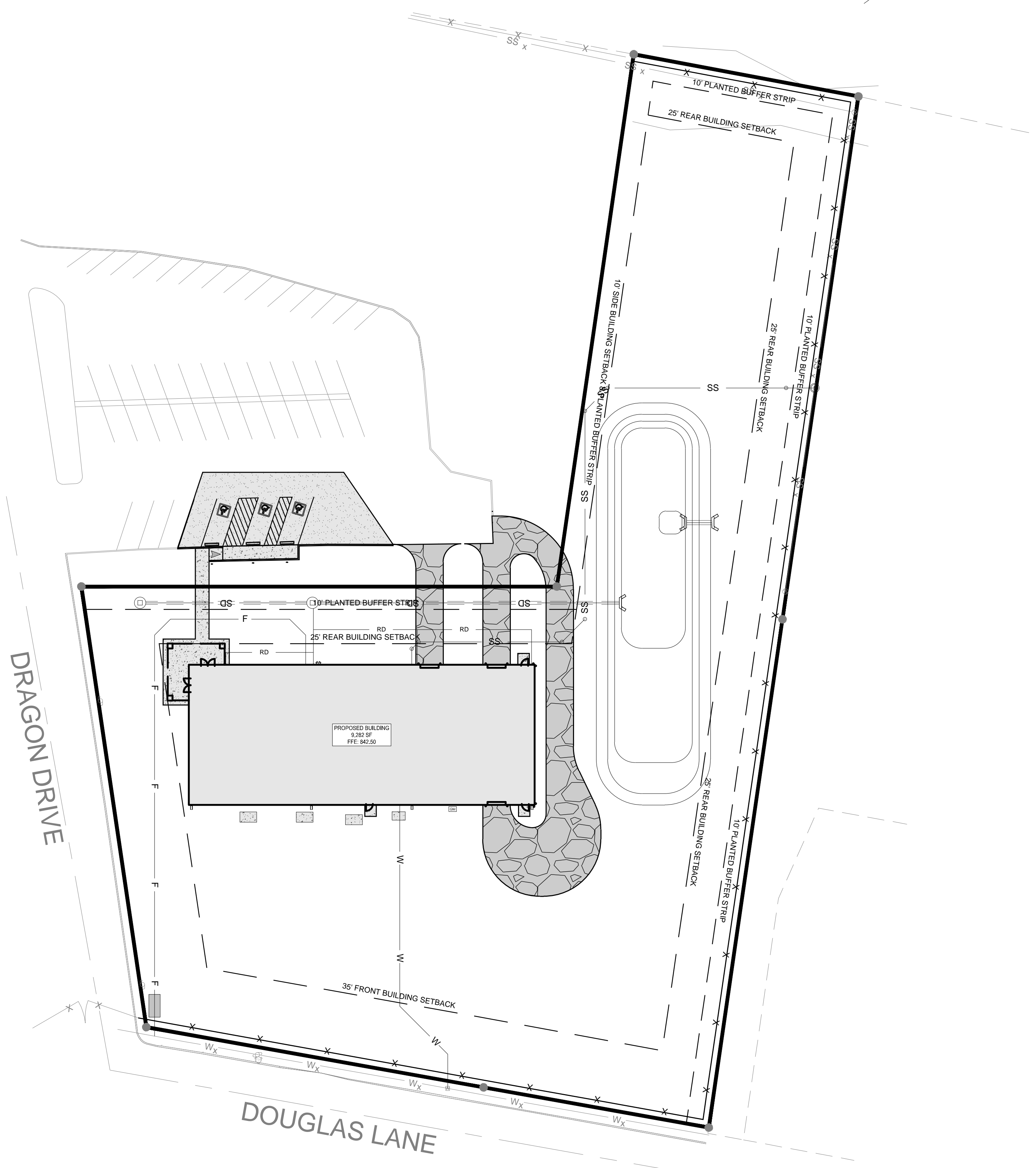


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SITE LAYOUT & UTILITY PLAN

SCALE: 1" = 30'

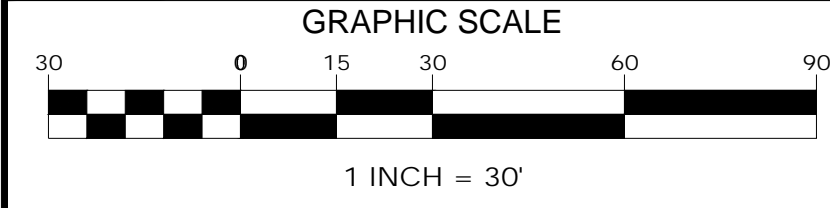
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GENERAL SHEET NOTES:

1. SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS



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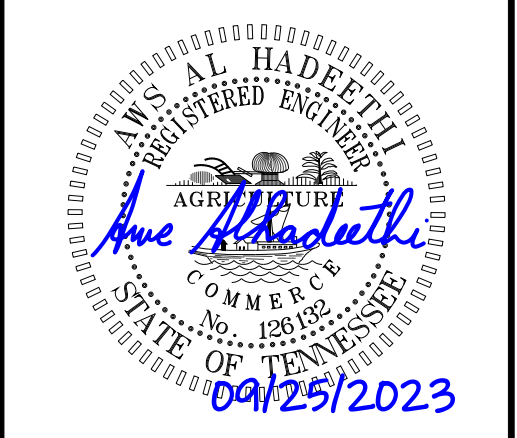


ENGINEER:

MBI COMPANIES INC.
299 N. WEISGARBER ROAD
KNOXVILLE, TN 37919
PHONE: (865) 584-0999
FAX: (865) 584-5213
WEB: mbicompanies.com

CONSULTANT

SEAL:



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PROJECT INFORMATION

PROJECT:
CLINTON HIGH SCHOOL WELDING BUILDING
PROJECT ADDRESS:
411 DOUGLAS LN.
CLINTON, TN 37716
PROJECT NO.:
220042-02

ACTIVE DESIGN PHASE

- FOR REVIEW ONLY
- FOR PERMITTING ONLY
- SCHEMATIC DESIGN
- DESIGN DEVELOPMENT
- CONSTRUCTION BIDDING
- CONSTRUCTION DOCUMENTS
- AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

SHEET ISSUED: 09/25/2023
DESIGNED BY: I.A.J.
DRAWN BY: I.A.J.
REVIEWED BY: A.M.A.
SHEET TITLE:

OVERALL SITE PLAN

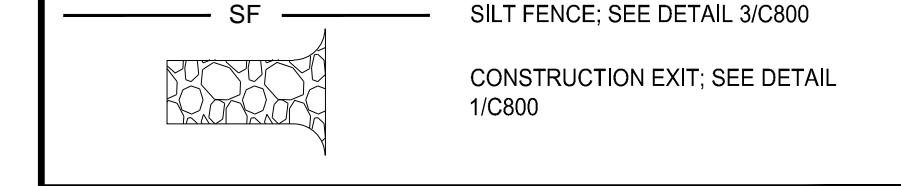
SHEET NO.:
C002



GENERAL SHEET NOTES

1. SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS
2. TEMPORARY STABILIZATION IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.
3. CONSTRUCTION LIMITS SHALL BE CLEARLY MARKED IN THE FIELD.

EROSION CONTROL LEGEND



ENGINEER:

MBI COMPANIES INC.
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 KNOXVILLE, TN 37919
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09/25/2023

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PROJECT INFORMATION

PROJECT:

CLINTON HIGH SCHOOL WELDING BUILDING

PROJECT ADDRESS:

411 DOUGLAS LN.
CLINTON, TN 37716

PROJECT NO.: **220042-02**

ACTIVE DESIGN PHASE

FOR REVIEW ONLY

FOR PERMITTING ONLY

SCHEMATIC DESIGN

DESIGN DEVELOPMENT

CONSTRUCTION BIDDING

CONSTRUCTION DOCUMENTS

AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/25/2023

DESIGNED BY: I.A.J.

DRAWN BY: I.A.J.

REVIEWED BY: A.M.A.

SHEET TITLE:

PHASE 1 EROSION PREVENTION & SEDIMENT CONTROL PLAN

SHEET NO.: **C100**

PHASE 1 EROSION PREVENTION & SEDIMENT CONTROL PLAN

SCALE: 1" = 20'

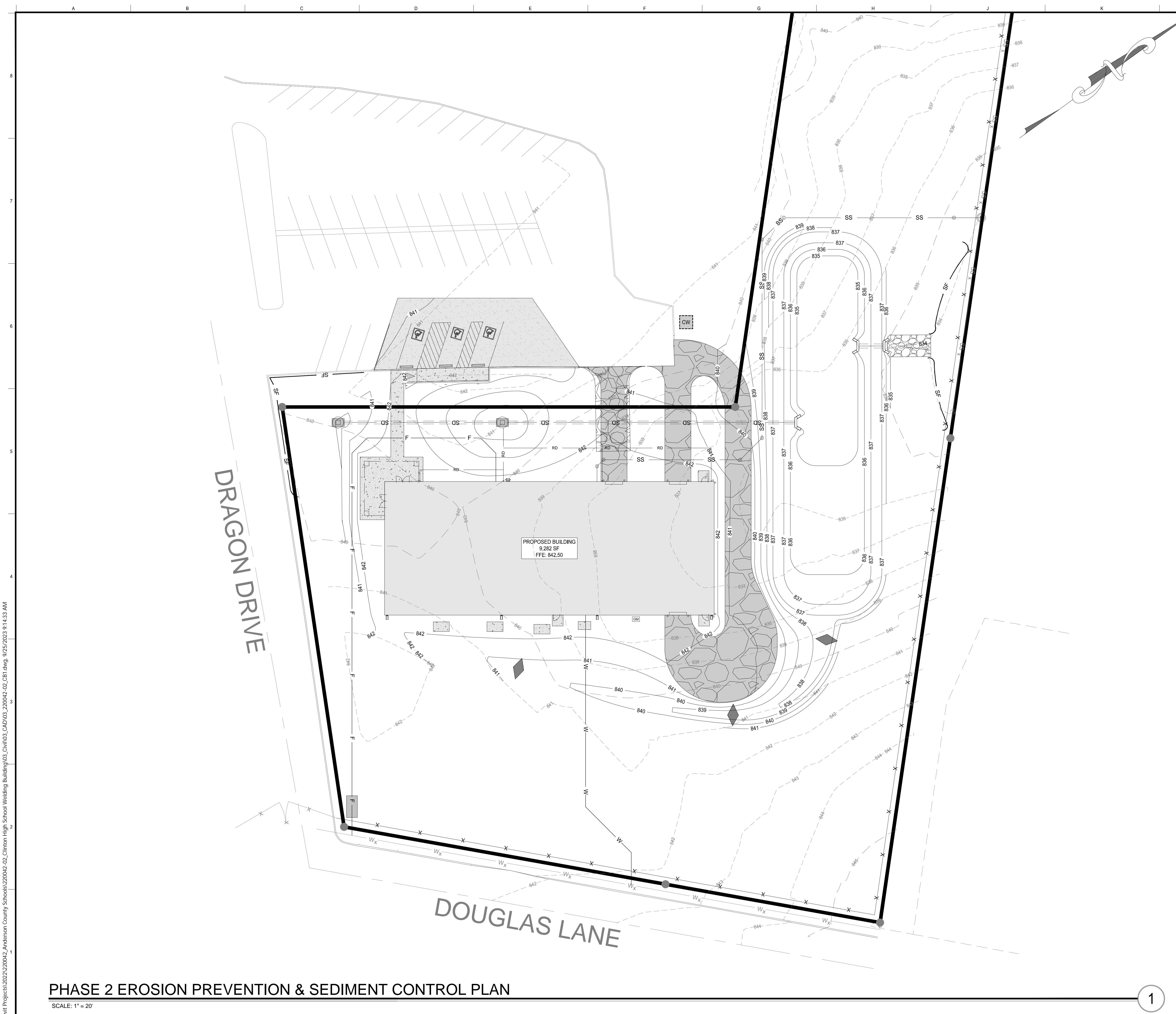
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GRAPHIC SCALE

1 INCH = 20'

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GENERAL SHEET NOTES:

1. SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS
2. PERMANENT STABILIZATION IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.
3. CONSTRUCTION LIMITS SHALL BE CLEARLY MARKED IN THE FIELD.
4. SLOPE MATTING SHALL BE PLACED ON ALL SLOPES GREATER THAN 2:1; SEE DETAIL 2/C800

EROSION CONTROL LEGEND

	SILT FENCE; SEE DETAIL 3/C800
	CONSTRUCTION EXIT; SEE DETAIL 1/C800
	INLET PROTECTION; SEE DETAIL 4/C800
	CHECK DAM; SEE DETAIL 6/C800
	15'L x 8'W x 1.5'D CLASS A-1 RIP RAP OUTLET PROTECTION
	CONCRETE WASHOUT; SEE DETAIL 5/C800

ENGINEER:

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PROJECT INFORMATION

PROJECT:

CLINTON HIGH SCHOOL WELDING BUILDING

PROJECT ADDRESS:

411 DOUGLAS LN.
CLINTON, TN 37716

PROJECT NO.: 220042-02

ACTIVE DESIGN PHASE

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<input type="checkbox"/>	FOR PERMITTING ONLY
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<input type="checkbox"/>	DESIGN DEVELOPMENT
<input type="checkbox"/>	CONSTRUCTION BIDDING
<input checked="" type="checkbox"/>	CONSTRUCTION DOCUMENTS
<input type="checkbox"/>	AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/25/2023
 DESIGNED BY: I.A.J.
 DRAWN BY: I.A.J.
 REVIEWED BY: A.M.A.
 SHEET TITLE:

PHASE 2 EROSION PREVENTION & SEDIMENT CONTROL PLAN

SHEET NO.: **C101**

PHASE 2 EROSION PREVENTION & SEDIMENT CONTROL PLAN

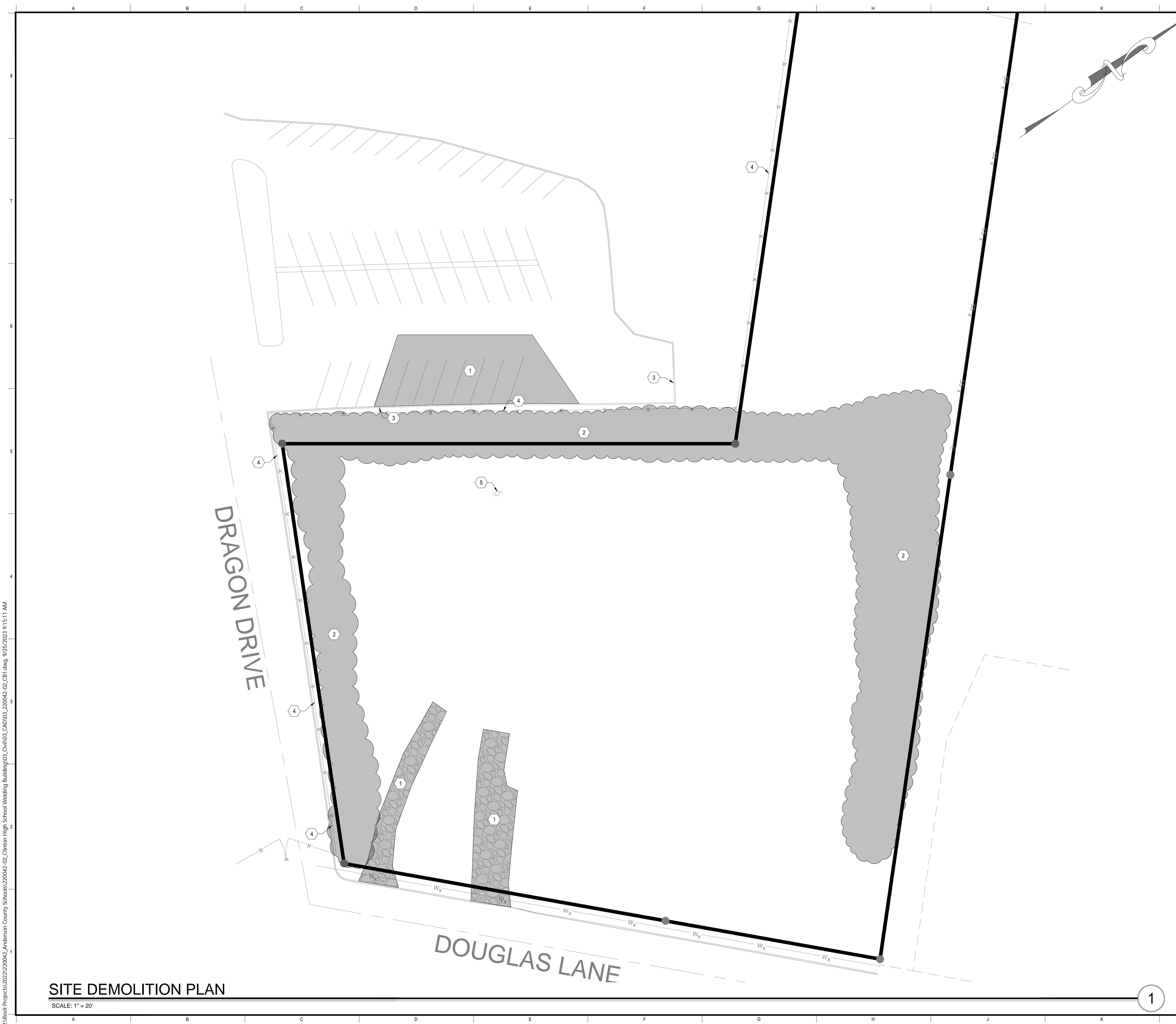
SCALE: 1" = 20'

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GRAPHIC SCALE

1 INCH = 20'

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GENERAL SHEET NOTES:


1. SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS

DEMOLITION LEGEND



DEMOLITION KEYED NOTES

1. EXISTING ASPHALT/CONCRETE PAVING TO BE DEMOLISHED
2. EXISTING VEGETATION TO BE DEMOLISHED
3. EXISTING CONCRETE CURB TO BE DEMOLISHED
4. EXISTING CHAIN LINK FENCE WITH BARBED WIRE TO BE DEMOLISHED
5. EXISTING UTILITY POLE TO BE DEMOLISHED

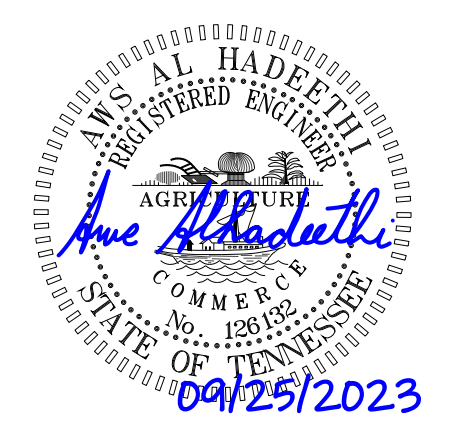


ENGINEER:

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PROJECT INFORMATION

PROJECT:

CLINTON HIGH SCHOOL WELDING BUILDING

PROJECT ADDRESS:

411 DOUGLAS LN.
CLINTON, TN 37716

PROJECT NO.: **220042-02**

ACTIVE DESIGN PHASE

FOR REVIEW ONLY

FOR PERMITTING ONLY

SCHEMATIC DESIGN

DESIGN DEVELOPMENT

CONSTRUCTION BIDDING

CONSTRUCTION DOCUMENTS

AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/25/2023

DESIGNED BY: I.A.J.

DRAWN BY: I.A.J.

REVIEWED BY: A.M.A.

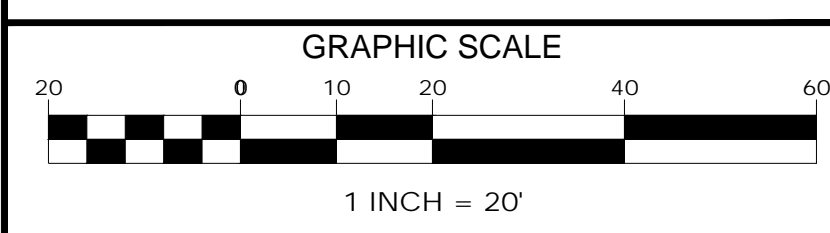
SHEET TITLE:

SITE DEMOLITION PLAN

SHEET NO.: **C200**

SITE DEMOLITION PLAN

SCALE: 1" = 20'



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CERTIFICATE OF PLANNED UNIT DEVELOPMENT APPROVAL

We hereby certify that this Planned Unit Development (PUD) has been found to comply with the zoning and PUD regulations of the Clinton Municipal/Regional Planning Commission, with the exception of such alterations or variances, if any, as noted in the minutes of the Clinton Municipal/Regional Planning Commission and the Clinton Board of Zoning Appeals.

Date _____ Chairman Clinton Municipal/Regional Planning Commission

Date _____ Secretary Clinton Municipal/Regional Planning Commission

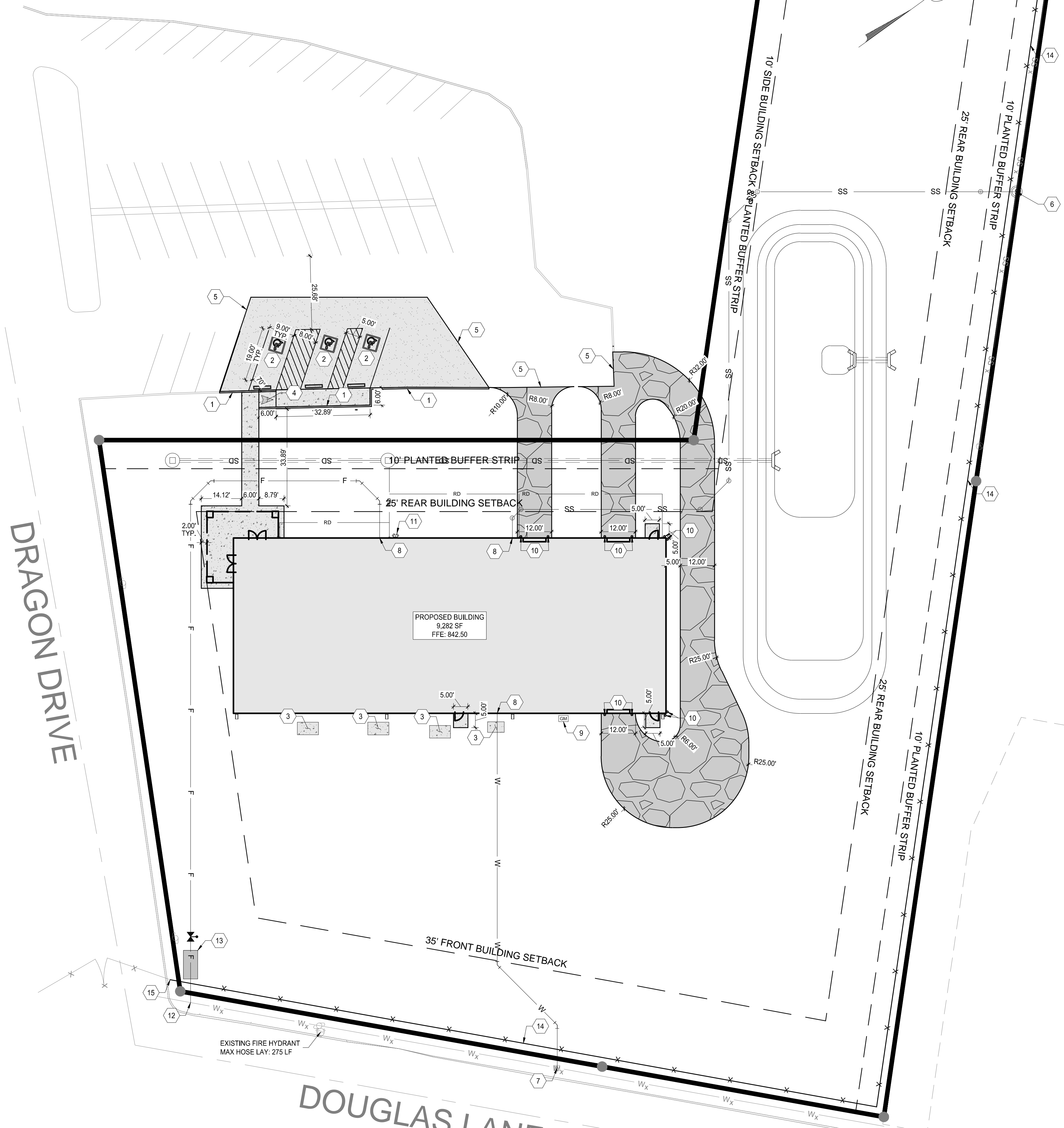
CERTIFICATE OF PUD APPLICATION AND AGREEMENT

I (we) hereby certify that I (we) understand that the approval of a Planned Unit Development (PUD) shall expire twelve (12) months after the date of approval.

9/25/23
Date

Chad M. AT
Applicant

Date _____ Applicant



SITE LAYOUT & UTILITY PLAN

SCALE: 1" = 20'

GENERAL SHEET NOTES:

- SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS
- FOR TYPICAL ANGLED PARKING SPACE LAYOUT, SEE 7/C800
- ALL RADII NOT LABELED ARE TO BE R3.00'
- COORDINATE ALL UTILITY CROSSINGS; SEE DETAIL 5/C802
- FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. DETERMINE LOCATION, SIZE, MATERIAL & INVERTS. REPORT ANY DISCREPANCIES TO OWNER & ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION & INSTALLATION.
- ALL POURED CONCRETE SHALL BE CONSTRUCTED WITH EXPANSION JOINTS; SEE DETAIL 4/C801

UTILITY CONTACTS

WATER CLINTON UTILITY BOARD 1001 CHARLES G. SEIVERS BLVD., P.O. BOX 296 CLINTON, TN 37717 (865) 457-9232	SEWER CLINTON UTILITY BOARD 1001 CHARLES G. SEIVERS BLVD., P.O. BOX 296 CLINTON, TN 37717 (865) 457-9232
GAS POWELL CLUNCH UTILITY DISTRICT 203 E. FIRST ST. ROCKY TOP, TN 37789 (865) 426-2822	ELECTRIC CLINTON UTILITY BOARD 1001 CHARLES G. SEIVERS BLVD., P.O. BOX 296 CLINTON, TN 37717 (865) 457-9232

SHEET LEGEND

	HEAVY DUTY ASPHALT PAVING; SEE DETAIL 2/C801
	6" CRUSHER RUN
	CONCRETE SIDEWALK; SEE DETAIL 1/C801
	ADA COMPLIANT 'NO PARKING' STRIPING; 8/C800
	WATER METER BY LOCAL UTILITY
	CO-CLEANOUT; SEE DETAIL 4/C802
	C.U.B. TYPICAL SANITARY SEWER MANHOLE; SEE DETAIL 1/C803
	6" DUCTILE IRON C900 FIRE PROTECTION SERVICE LINE; SEE DETAIL 2/C802
	2" POTABLE WATER (PVC CLASS 200); SEE DETAIL 2/C802
	4" ASTM D3034 SDR35 PVC BUILDING SANITARY SEWER SERVICE LINE @ 2.0% MIN. SLOPE; SEE DETAIL 2/C802
	THRUST BLOCK; SEE DETAIL 2/C803
	POST INDICATOR VALVE; SEE DETAIL 9/C802

SHEET KEYED NOTES

- CONCRETE CURB; SEE DETAIL 3/C801
- ADA COMPLIANT PARKING SPACE; SEE DETAIL 7/C801
- MECHANICAL UNITS; SEE MECHANICAL PLANS FOR DETAILS
- ADA COMPLIANT RAMP; SEE DETAIL 6/C801
- PROVIDE SMOOTH TRANSITION TO EXISTING SURFACE
- FIELD LOCATE AND CONNECT TO EXISTING PER LOCAL UTILITY REQUIREMENTS.
- WATER LINE CONNECTION TO EXISTING METER; COORDINATE WITH LOCAL UTILITY COMPANY.
- FOR CONTINUATION SEE PLUMBING PLAN
- GAS METER; SEE MECHANICAL PLANS FOR DETAILS; COORDINATE INSTALLATION WITH LOCAL UTILITY COMPANY
- 6" BOLLARD; SEE DETAIL 5/C801
- FIRE DEPARTMENT CONNECTION; SEE MECHANICAL PLANS FOR DETAILS
- FIRE SERVICE LINE CONNECTION BY LOCAL UTILITY COMPANY. COORDINATE TAP & METER LOCATIONS.
- FIRE LINE METER PIT; TO BE INSTALLED PER LOCAL UTILITY REQUIREMENTS
- CHAIN LINK FENCE WITH BARBED WIRE SHALL ENCOMPASS ENTIRE PROPERTY; MATCH EXISTING HEIGHT; SEE DETAIL 3/C803
- CHAIN LINK FENCE TO CONNECT TO EXISTING FENCE POST

AREAS & CALCULATIONS

IMPERVIOUS AREA		
EXISTING	PROPOSED	TOTAL INCREASE
0.15 Acres	0.35 Acres	0.20 Acres
6,354 sqft	15,317 sqft	8,963 sqft

DISTURBED AREA	
TOTAL SITE AREA	DISTURBED AREA
1.89 Acres	0.98 Acres
82,256 sqft	42,689 sqft

PARKING CALCULATION

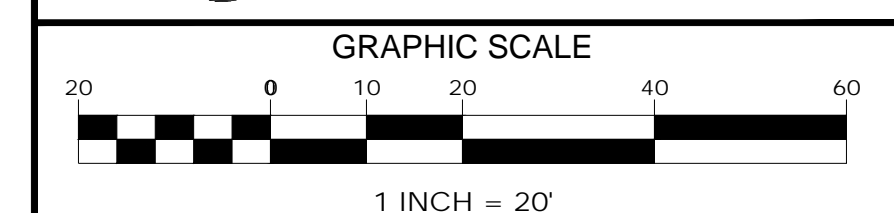
REQUIREMENT:
1 SPACE PER EACH FACULTY MEMBER AND 5 ADDITIONAL SPACES FOR VISITOR PARKING, PLUS 1 SPACE FOR EACH 4 PUPILS

CALCULATION:
5 FACULTY: 1 x 5 = 5 SPACES
60 PUPILS: 60 / 4 = 15 SPACES
5 VISITOR SPACES

REQUIRED	PROVIDED
REGULAR 24	REGULAR 40
ACCESSIBLE 01	ACCESSIBLE 03
TOTAL 25	TOTAL 43

NO.	DATE	DESCRIPTION

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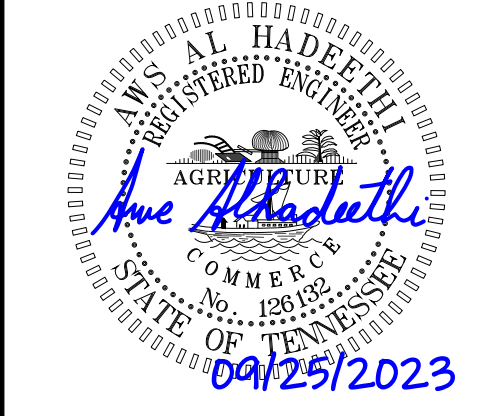


ENGINEER:

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KNOXVILLE, TN 37919
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WEB: mbicompanies.com

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PROJECT INFORMATION

PROJECT:

CLINTON HIGH SCHOOL WELDING BUILDING

PROJECT ADDRESS:

411 DOUGLAS LN.
CLINTON, TN 37716

PROJECT NO.: 220042-02

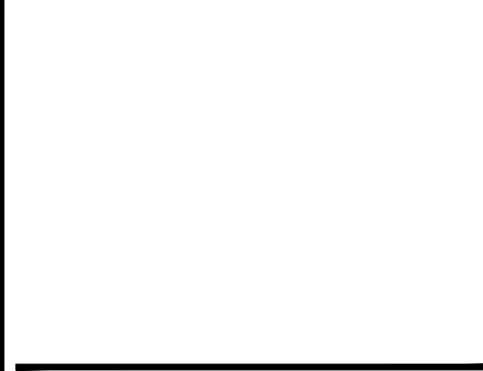
ACTIVE DESIGN PHASE

- FOR REVIEW ONLY
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- SCHEMATIC DESIGN
- DESIGN DEVELOPMENT
- CONSTRUCTION BIDDING
- CONSTRUCTION DOCUMENTS
- AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

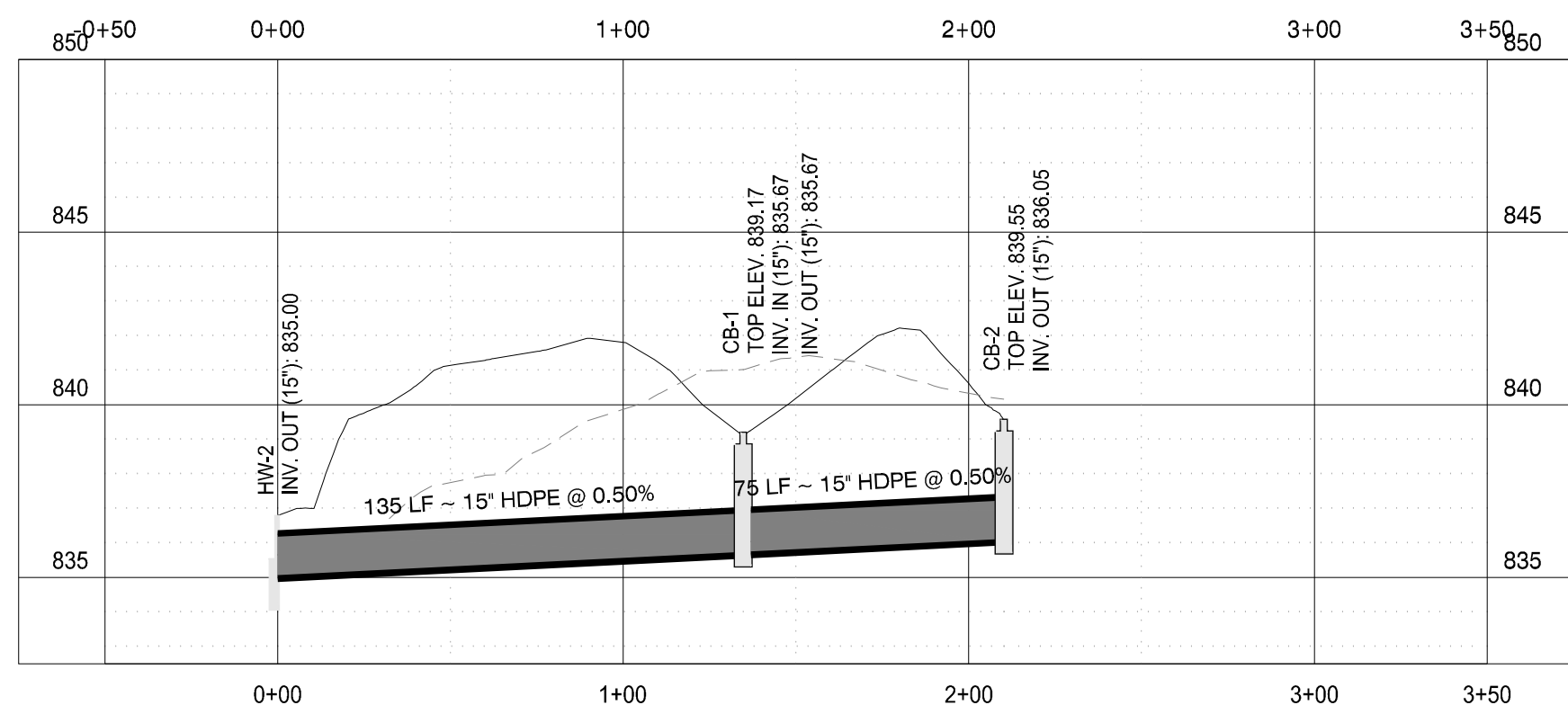
SHEET ISSUED: 09/25/2023
DESIGNED BY: I.A.J.
DRAWN BY: I.A.J.
REVIEWED BY: A.M.A.
SHEET TITLE:

SITE LAYOUT & UTILITY PLAN

SHEET NO.:

C300

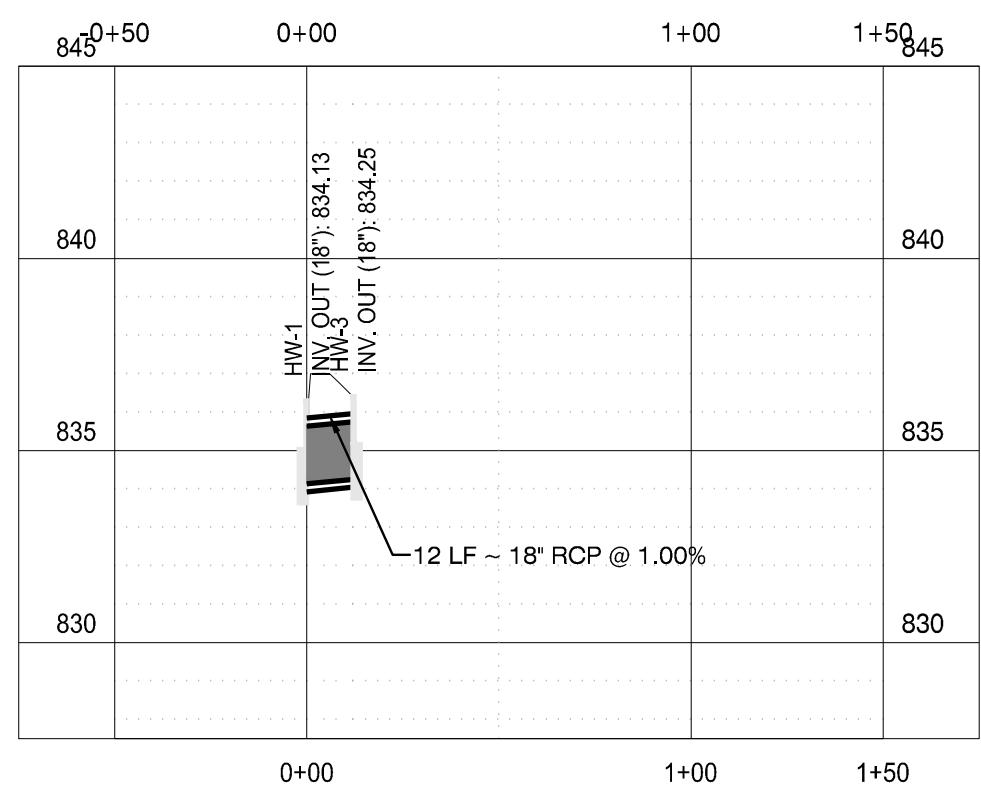
R:\Revit\Projects\2022\220042-Anderson County Schools\220042-02_Clinton High School Welding Building\03_Civil\03_CAD\03_220042-02_CB.dwg, 9/25/2023 9:15:19 AM



STORM LINE #1

SCALE: H: 1" = 50'-0" V: 1" = 5'-0"

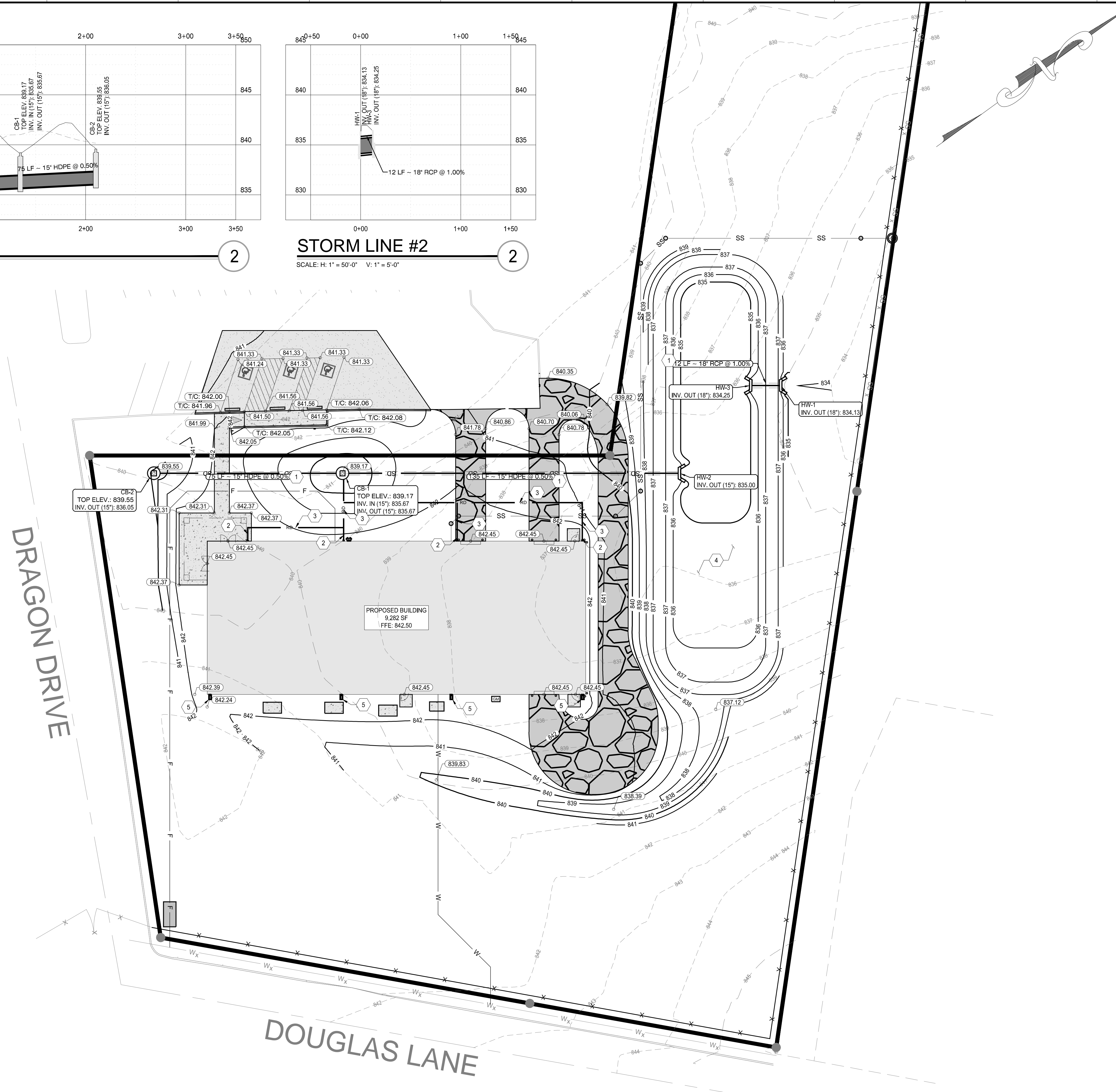
2



STORM LINE #2

SCALE: H: 1" = 50'-0" V: 1" = 5'-0"

2



SITE GRADING & DRAINAGE PLAN

SCALE: 1" = 20'

1

GENERAL SHEET NOTES

1. SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS

DRAINAGE LEGEND

- HW-HEADWALL
- CB-CATCH BASIN; SEE DETAIL 3/C802

PROFILE LEGEND

- EXISTING GRADE
- PROPOSED GRADE

DRAINAGE KEYED NOTES

- 1 STORM SEWER DRAINAGE PIPE & UTILITY TRENCH; SEE DETAIL 1/C802
- 2 DOWNSPOUT BOOT; SEE DETAIL 6/C802
- 3 ASTM D 3034 SDR35 PVC STORM DRAIN @ 1.0% MIN. SLOPE; ALL SIZES TO BE 8" UNLESS OTHERWISE NOTED
- 4 DETENTION POND; SEE DETAIL 8/C802
- 5 SPLASH BLOCK; SEE DETAIL 7/C802

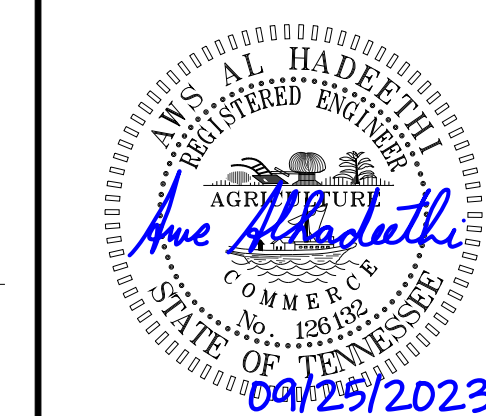


ENGINEER:

MBI COMPANIES INC.
299 N. WEISGARDER ROAD
KNOXVILLE, TN 37919
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WEB: mbicompanies.com

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PROJECT INFORMATION

PROJECT:

CLINTON HIGH SCHOOL WELDING BUILDING

PROJECT ADDRESS:

411 DOUGLAS LN.
CLINTON, TN 37716

PROJECT NO.: 220042-02

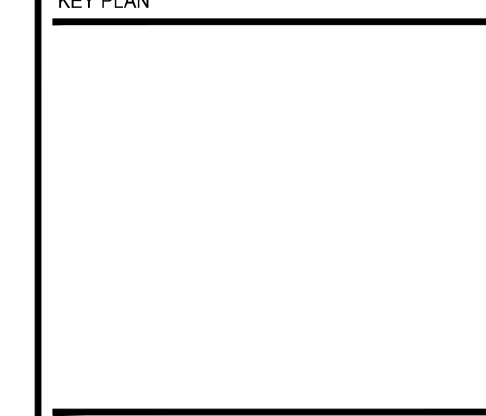
ACTIVE DESIGN PHASE

- FOR REVIEW ONLY
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- DESIGN DEVELOPMENT
- CONSTRUCTION BIDDING
- CONSTRUCTION DOCUMENTS
- AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

SHEET ISSUED: 08/25/2023
DESIGNED BY: I.A.J.
DRAWN BY: I.A.J.
REVIEWED BY: A.M.A.
SHEET TITLE:

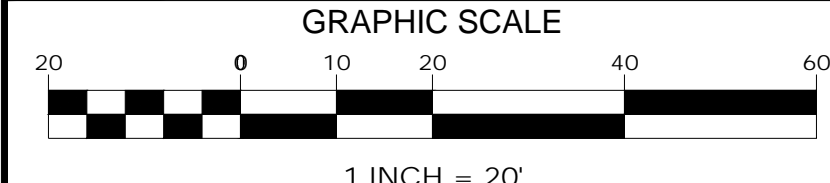
SITE GRADING & DRAINAGE PLAN

SHEET NO.:

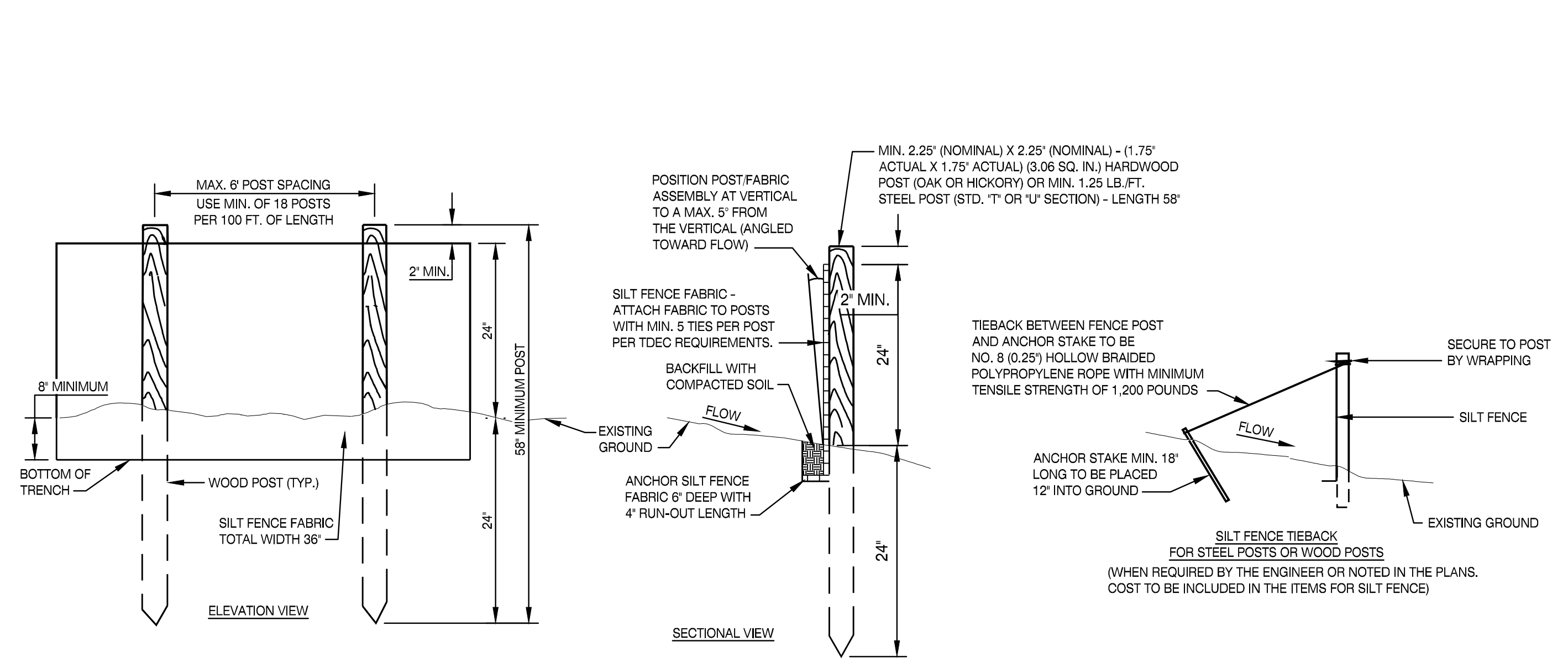
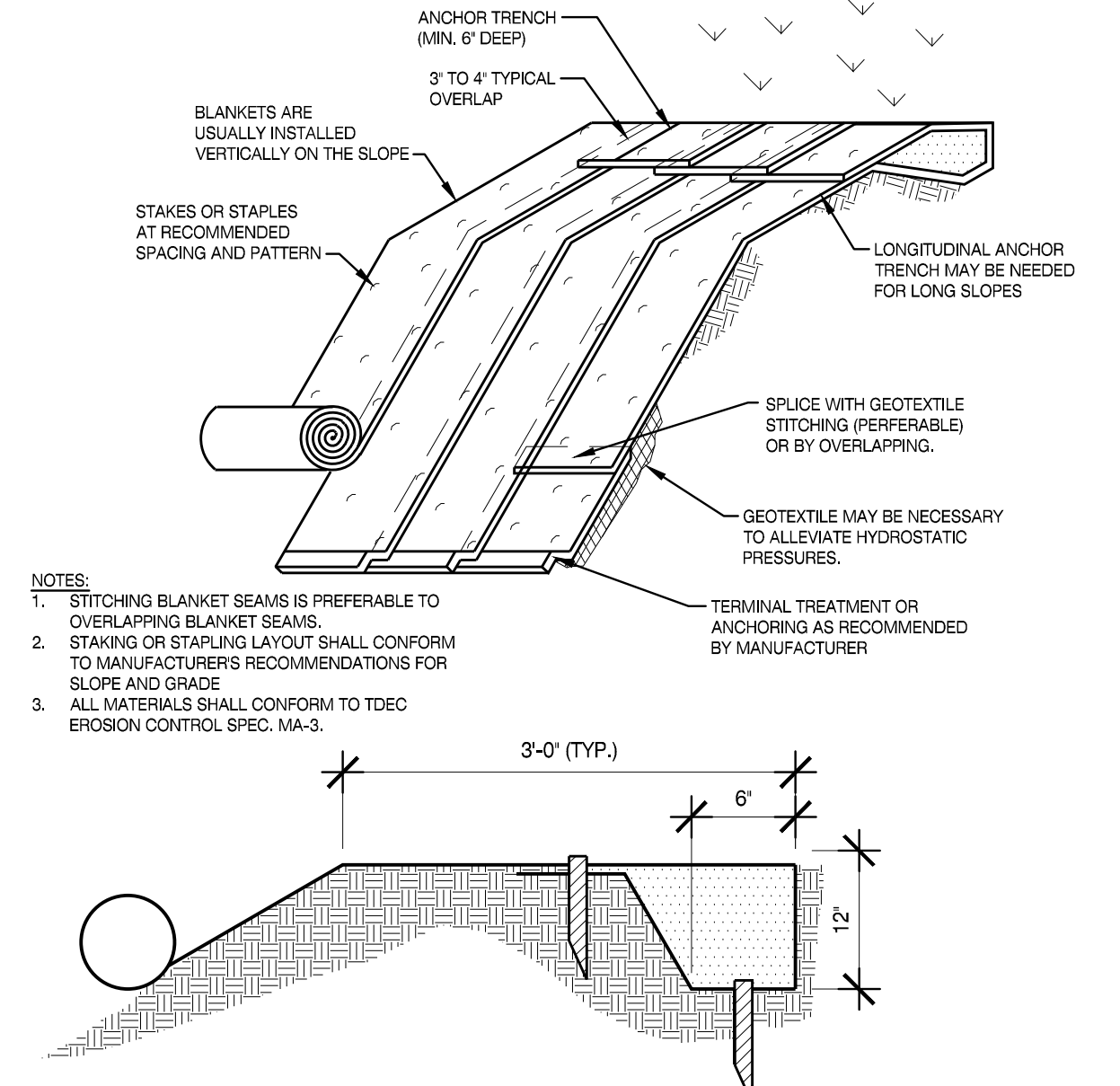
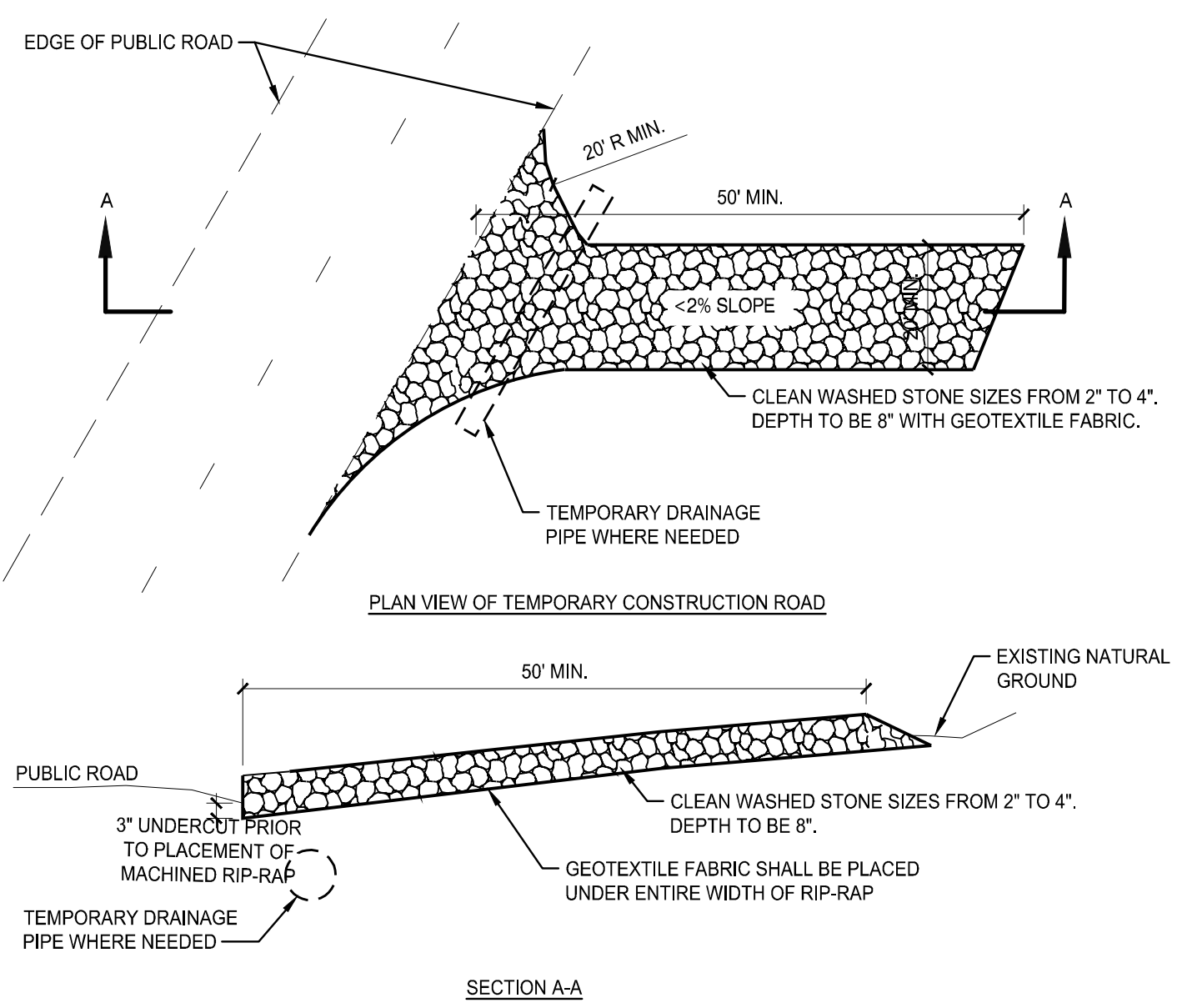
C400



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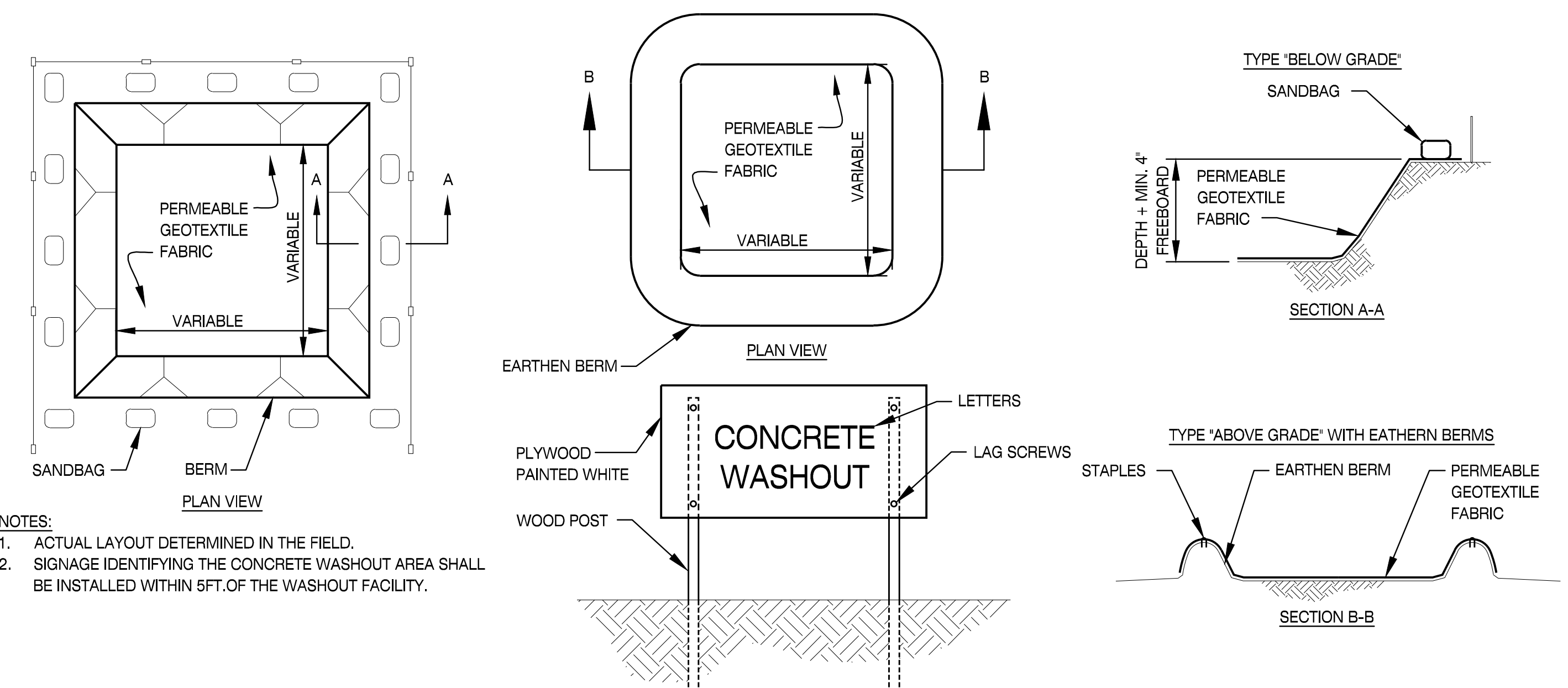
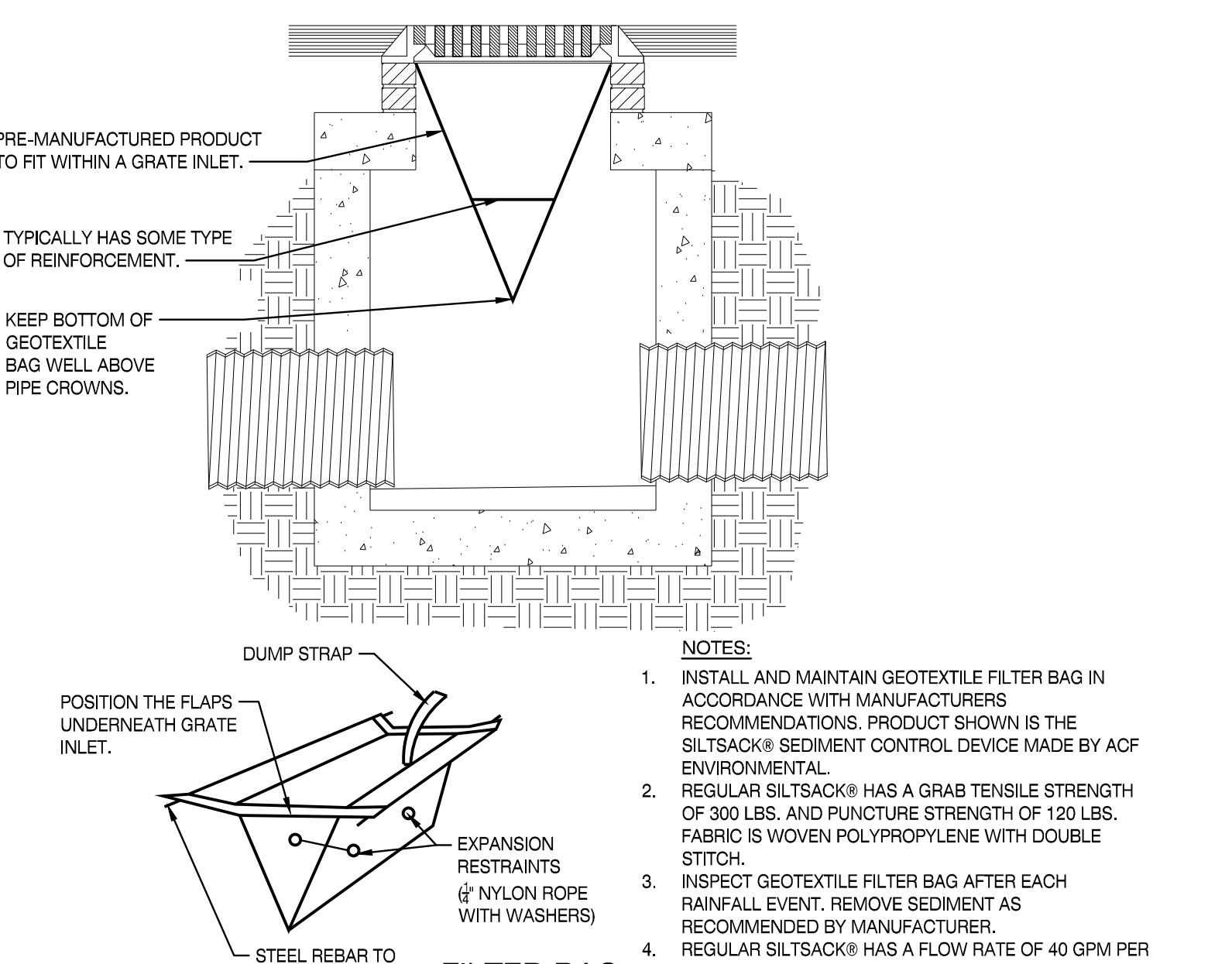
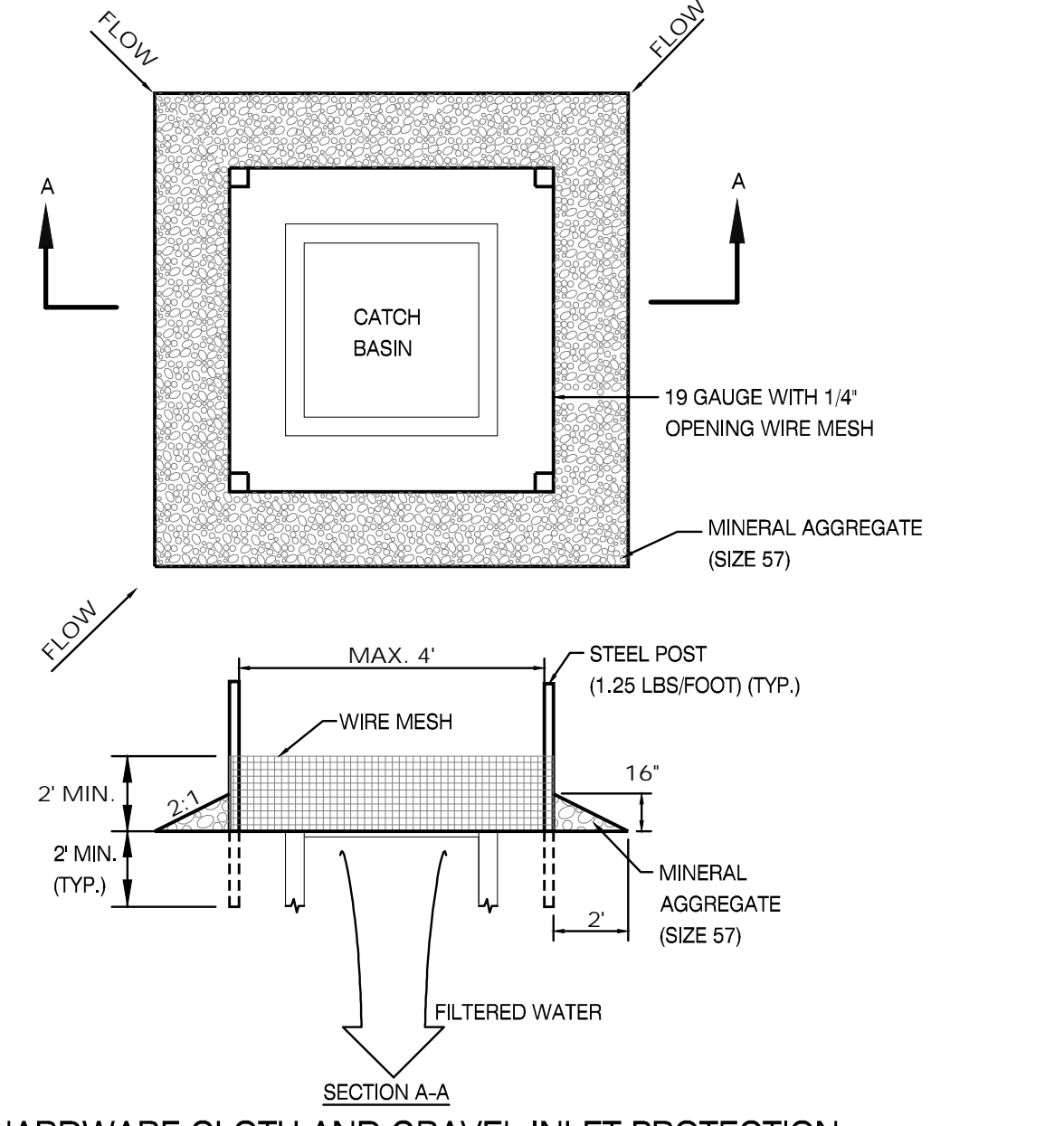


CONSTRUCTION EXIT

1 SLOPE MATTING

SILT FENCE

3

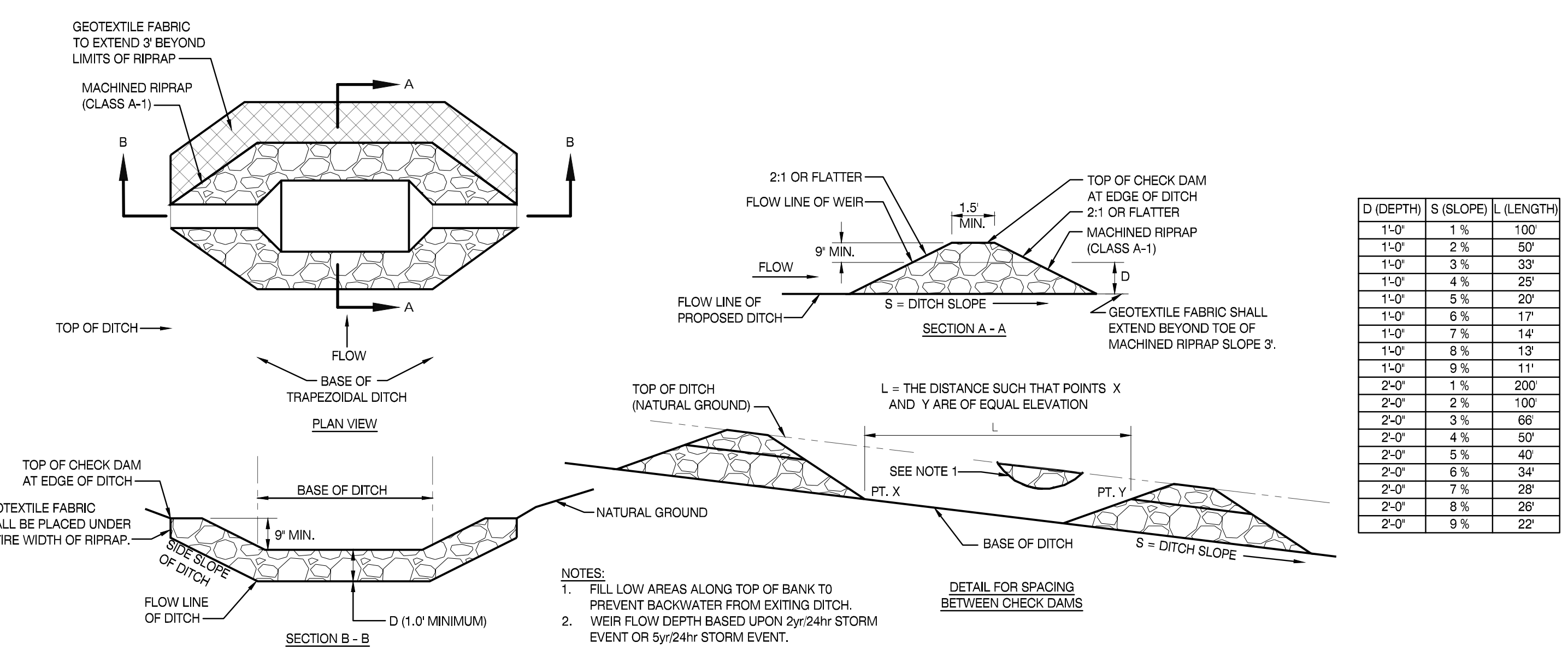


HARDWARE CLOTH AND GRAVEL INLET PROTECTION

INLET PROTECTION

CONCRETE WASHOUT

5



CHECK DAM

70 DEG. PARKING SPACE

'NO PARKING' AREA

MBI

ENGINEER:
 MBI COMPANIES INC.
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AGRICULTURE
 COMMERCIAL
 CIVIL
 MECHANICAL
 ELECTRICAL
 PLUMBING
 GAS
 STATE OF TENNESSEE
 No. 18938
 04/25/2023

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PROJECT INFORMATION
 PROJECT:
 CLINTON HIGH SCHOOL WELDING BUILDING
 PROJECT ADDRESS:
 411 DOUGLAS LN.
 CLINTON, TN 37716
 PROJECT NO.:
 220042-02

ACTIVE DESIGN PHASE
 FOR REVIEW ONLY
 FOR PERMITTING ONLY
 SCHEMATIC DESIGN
 DESIGN DEVELOPMENT
 CONSTRUCTION BIDDING
 CONSTRUCTION DOCUMENTS
 AS-BUILT RECORD SET

REVISION INFORMATION
 NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION
 SHEET ISSUED: 08/25/2023
 DESIGNED BY: I.A.J.
 DRAWN BY: I.A.J.
 REVIEWED BY: A.M.A.
 SHEET TITLE:

CIVIL DETAILS
 SHEET NO.:
 C800

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<input type="checkbox"/>	CONSTRUCTION DOCUMENTS
<input type="checkbox"/>	AS-BUILT RECORD SET

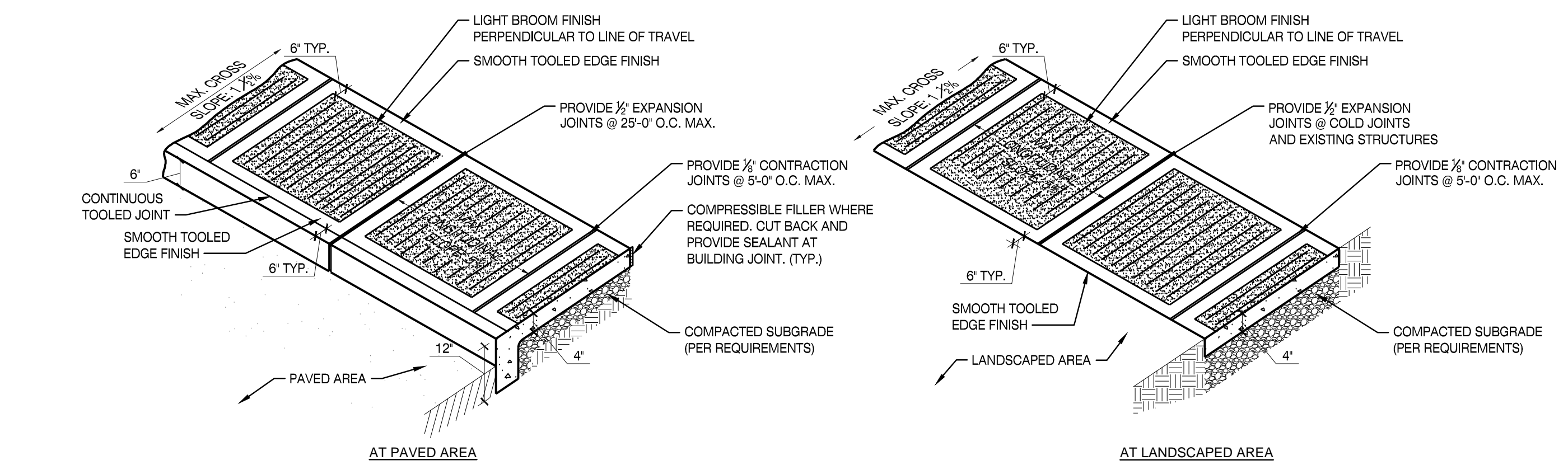
REVISION INFORMATION		
NO.	DATE	DESCRIPTION

KEY PLAN

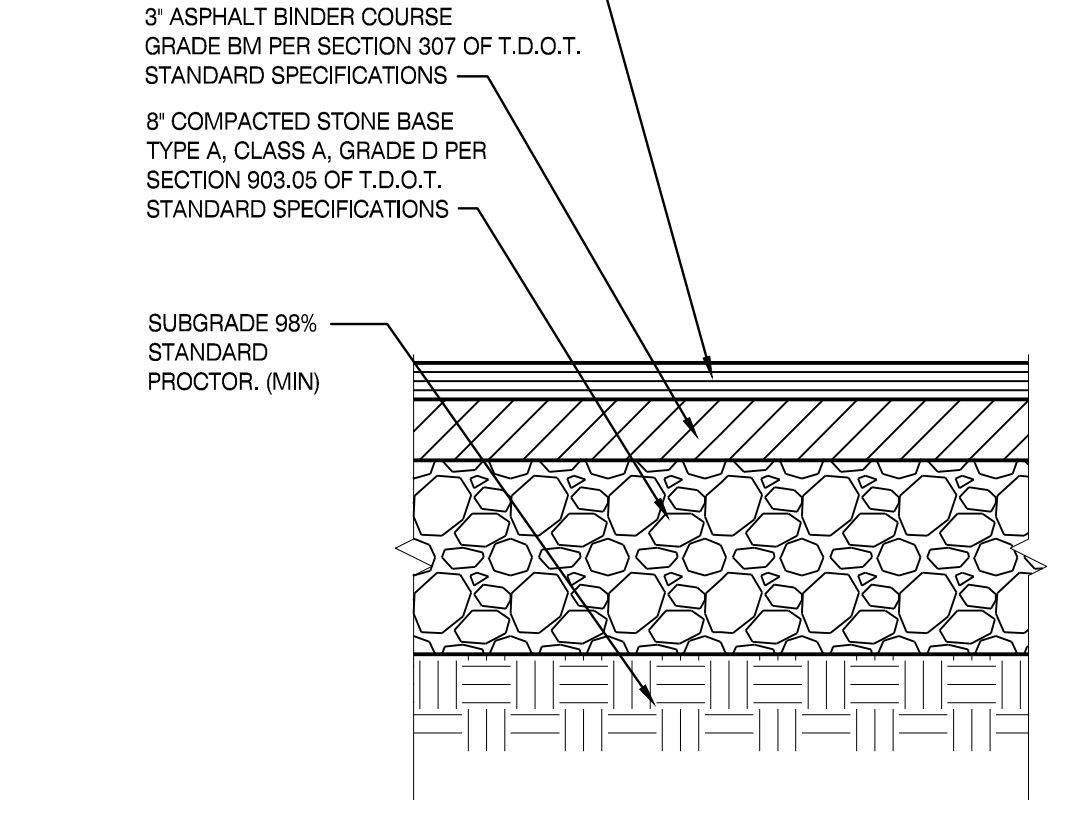
SHEET INFORMATION	
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CIVIL DETAILS

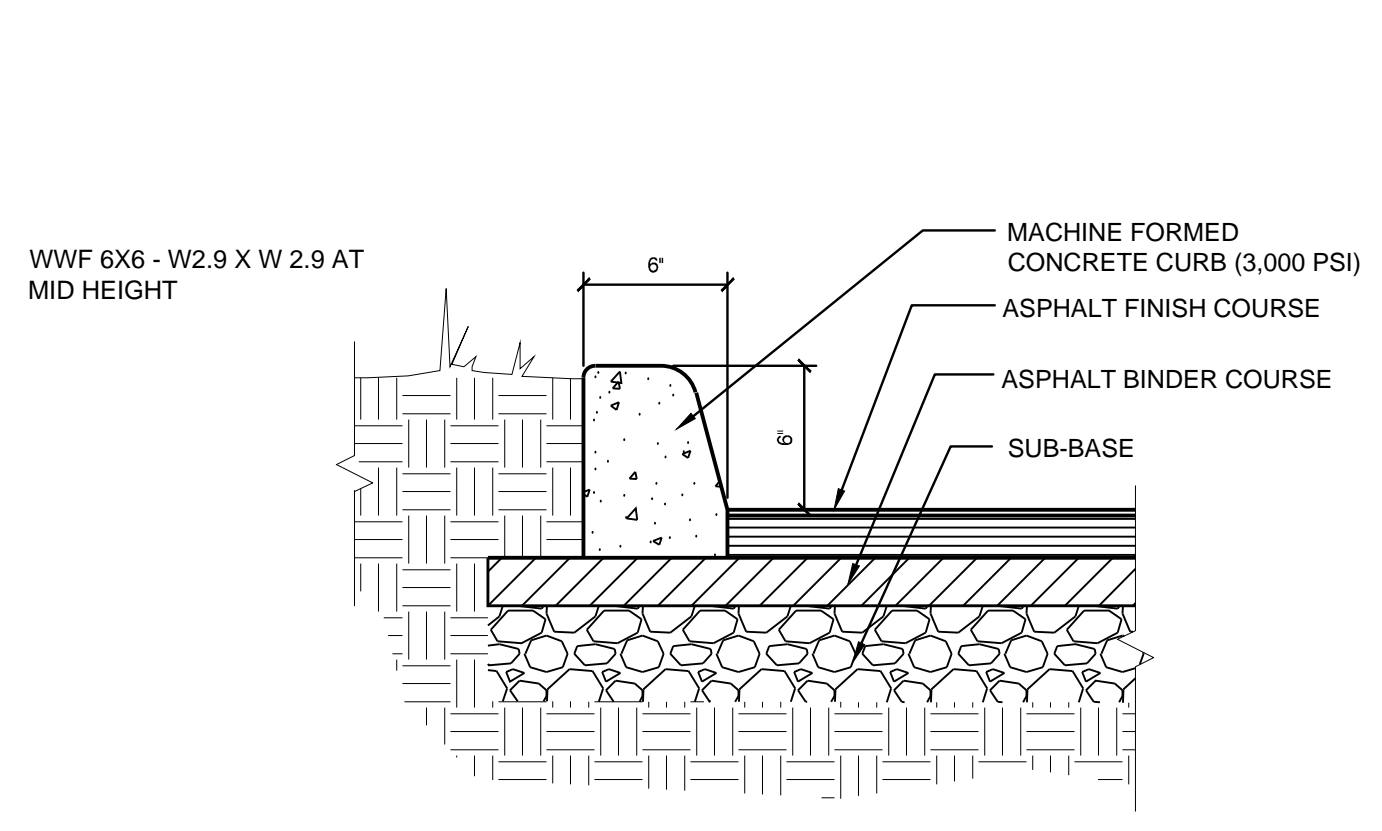
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CONCRETE SIDEWALK 1

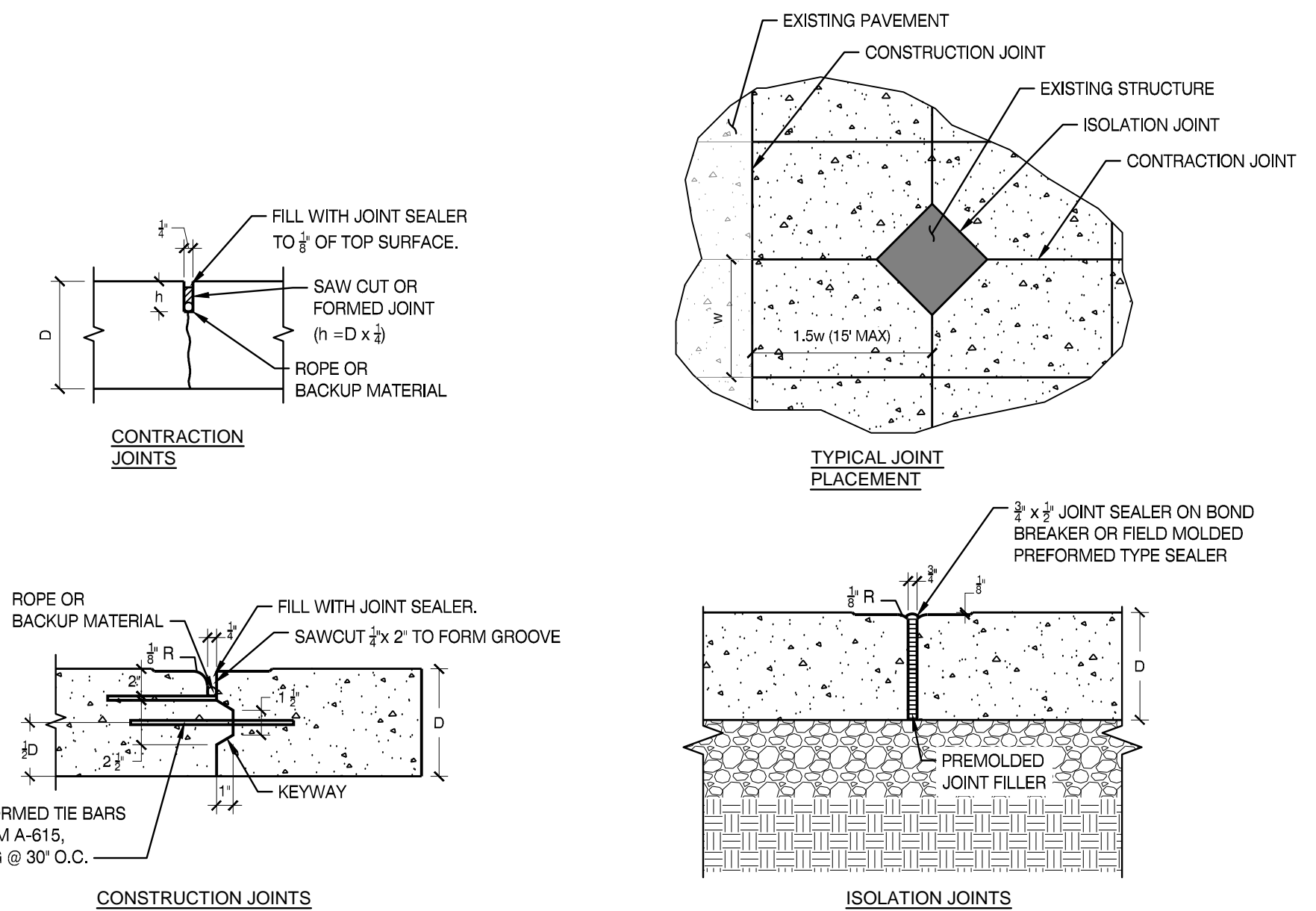


HEAVY DUTY ASPHALT PAVING 2

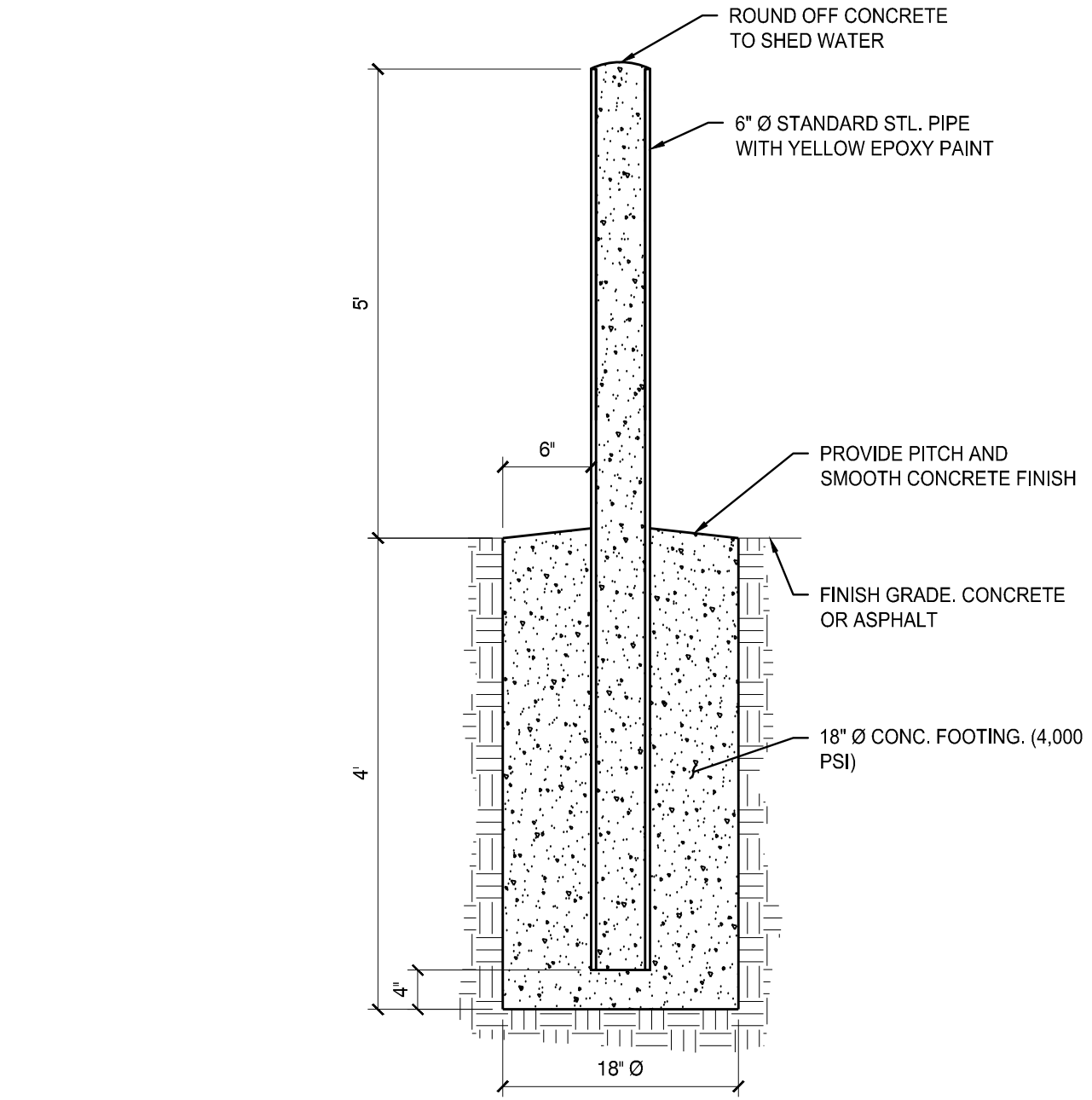


CONCRETE CURB 3

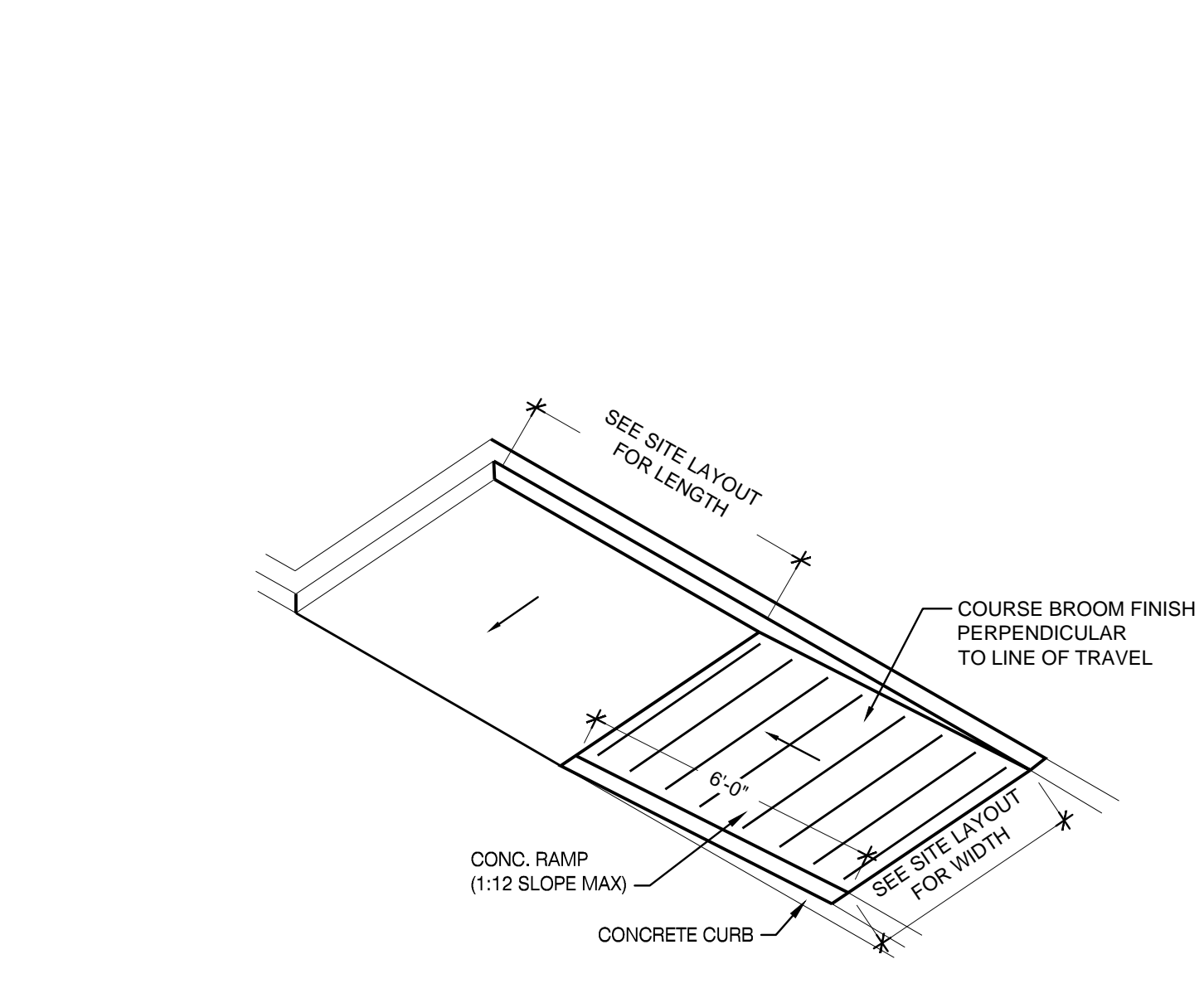
- NOTES:
- JOINT SPACING SHALL BE UNIFORM AND TYPICALLY LESS THAN 30xSLAB THICKNESS. IN NO CASES SHALL JOINT SPACING EXCEED 15'
 - THE LENGTH OF JOINT SPACING SHALL NOT EXCEED 1.5w
 - SAWING OF THE JOINTS SHALL BEGIN AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING BUT IN NO CASE LONGER THAN 18 HOURS AFTER POURING. ALL JOINTS SHALL BE SAWS BEFORE UNCONTROLLED SHRINKAGE CRACKING OCCURS. IF NECESSARY, THE SAWING OPERATIONS SHALL BE CARRIED ON BOTH DAY AND NIGHT REGARDLESS OF WEATHER CONDITIONS. A STANDBY SAW SHALL BE AVAILABLE IN THE EVENT OF BREAKDOWN.
 - THE JOINTS CAN BE COMPLETELY FILLED WITH SEALANT MATERIAL OR PREMOULDED JOINT FILLER CAN BE INSERTED IN THE JOINT FIRST TO REDUCE THE AMOUNT OF SEALANT REQUIRED.
 - SEALER TO BE POURED TO WITHIN 3/4" OF TOP OF PAVEMENT.
 - PRIOR TO SEALING, JOINT SURFACES MUST BE CLEANED AND FREE OF CURING COMPOUND, RESIDUE, LANTANCE AND ANY OTHER FOREIGN MATERIAL.
 - THE SURFACE SHOULD BE DRY WHEN THE SEALANT IS POURED.
 - THE CONCRETE SHALL BE DEPOSITED ON A MOIST GRADE IN SUCH MANNER AS TO REQUIRE AS LITTLE REHANDLING AS POSSIBLE. PLACING SHALL BE CONTINUOUS BETWEEN TRANSVERSE JOINTS WITHOUT THE USE OF INTERMEDIATE BULKHEADS. NECESSARY HAND SPREADING SHALL BE DONE WITH SHOVELS, NOT RAKES. WORKMEN SHALL NOT BE ALLOWED TO WALK ON THE FRESHLY MIXED CONCRETE WITH BOOTS OR SHOES COATED WITH EARTH OR FOREIGN SUBSTANCES.
 - ALL JOINT DOWELS MUST BE LEVEL, TRUE AND ADEQUATELY SUPPORTED SO THERE IS NO MOVEMENT DURING THE PLACEMENT OF CONCRETE.
 - TRANSVERSE CONSTRUCTION JOINTS ARE NECESSARY FOR PLANNED INTERRUPTIONS, AND WHERE EMERGENCY INTERRUPTIONS SUSPEND OPERATIONS FOR 30 MINUTES OR MORE.
 - ALL JOINTS & JOINT SEALANTS SHALL MEET T.D.O.T.'S STANDARDS AND SPECIFICATIONS.



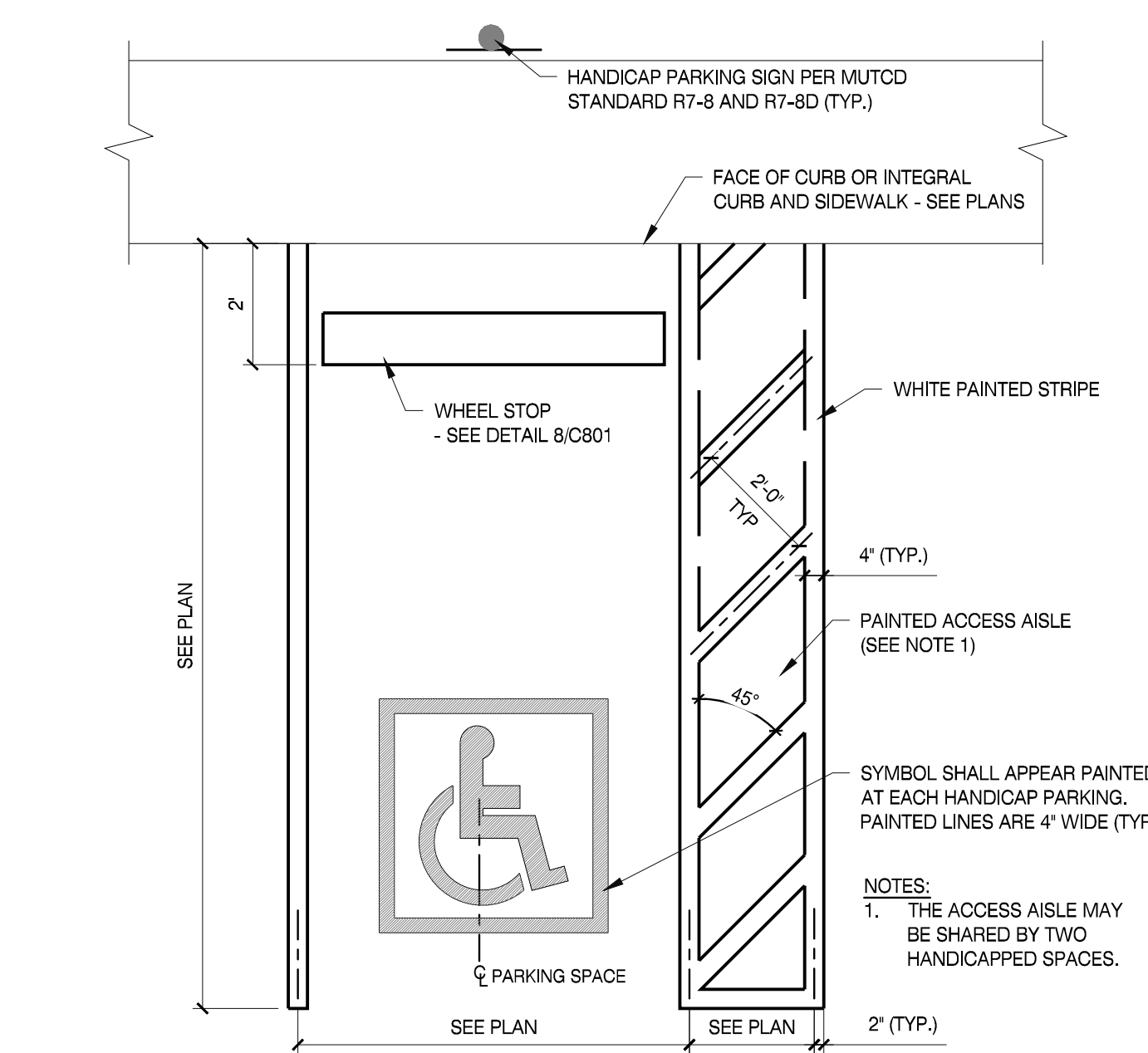
CONCRETE JOINTS 4



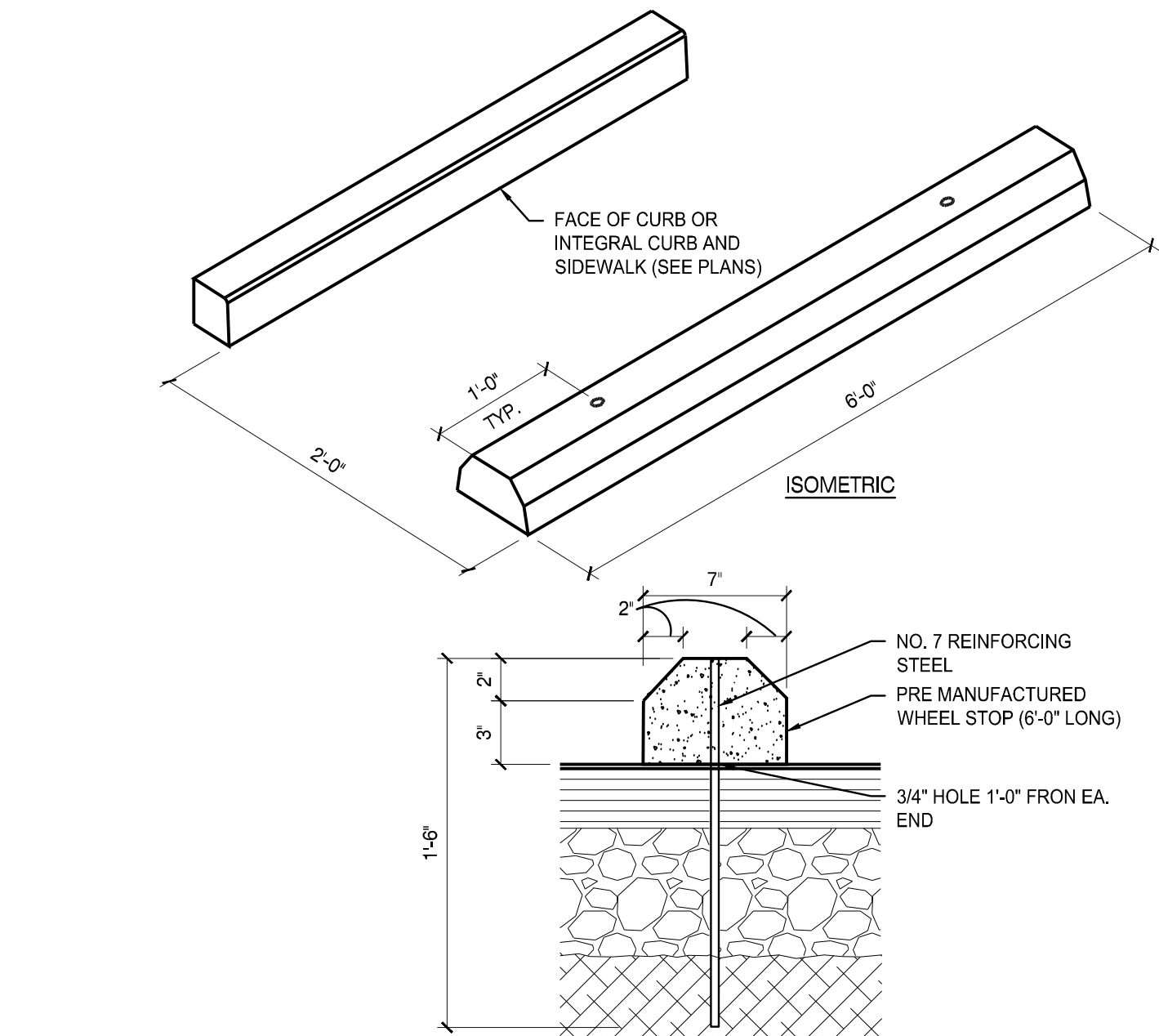
6" BOLLARDS 5



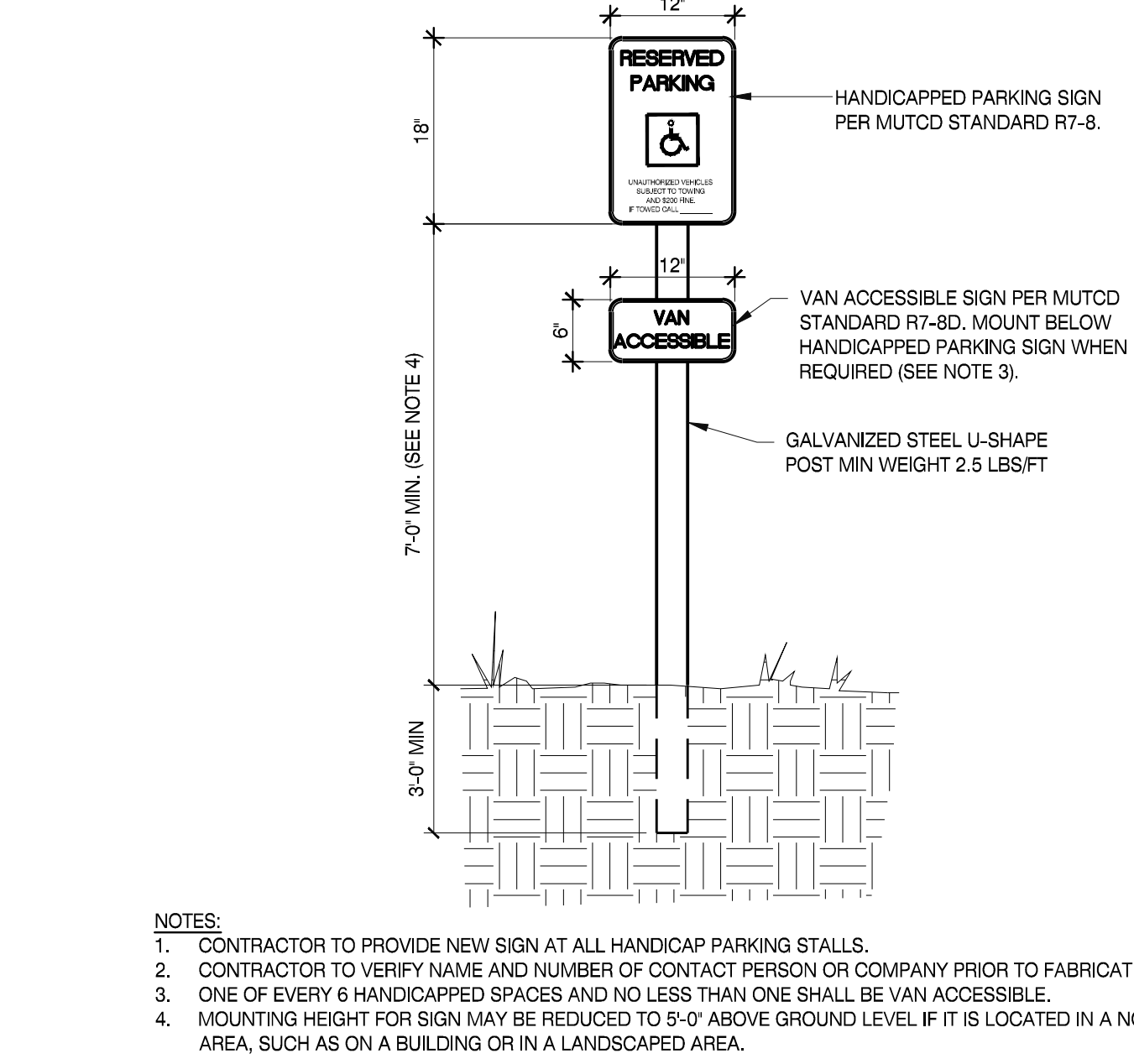
ADA RAMP 6



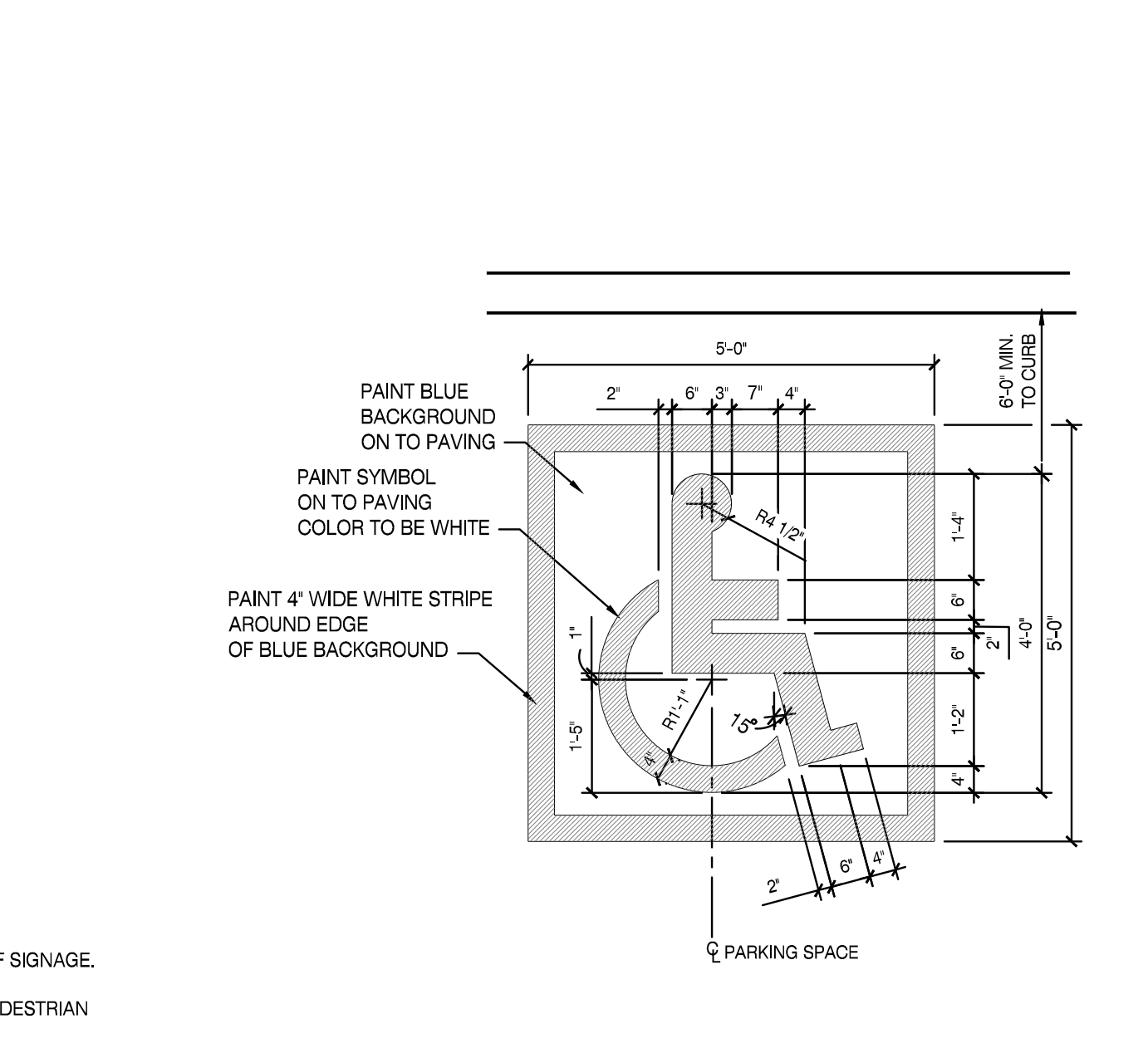
HANDICAP PARKING SPACE 7



WHEEL STOP 8



STANDARD HANDICAP SIGN 9

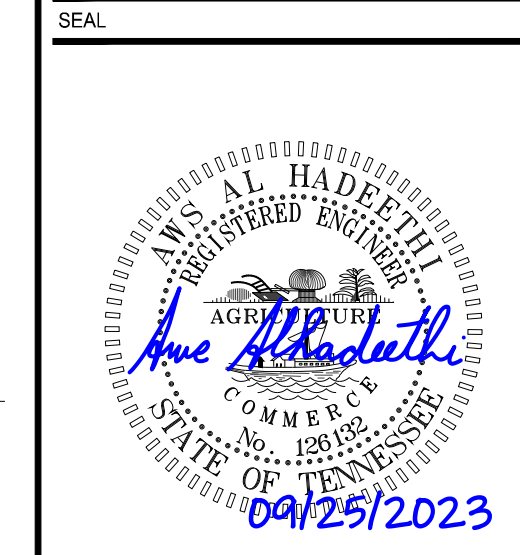


PAINTED HANDICAP SYMBOL 10

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PROJECT ADDRESS: 411 DOUGLAS LN. CLINTON, TN 37716

PROJECT NO.: 220042-02

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REVISION INFORMATION

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KEY PLAN

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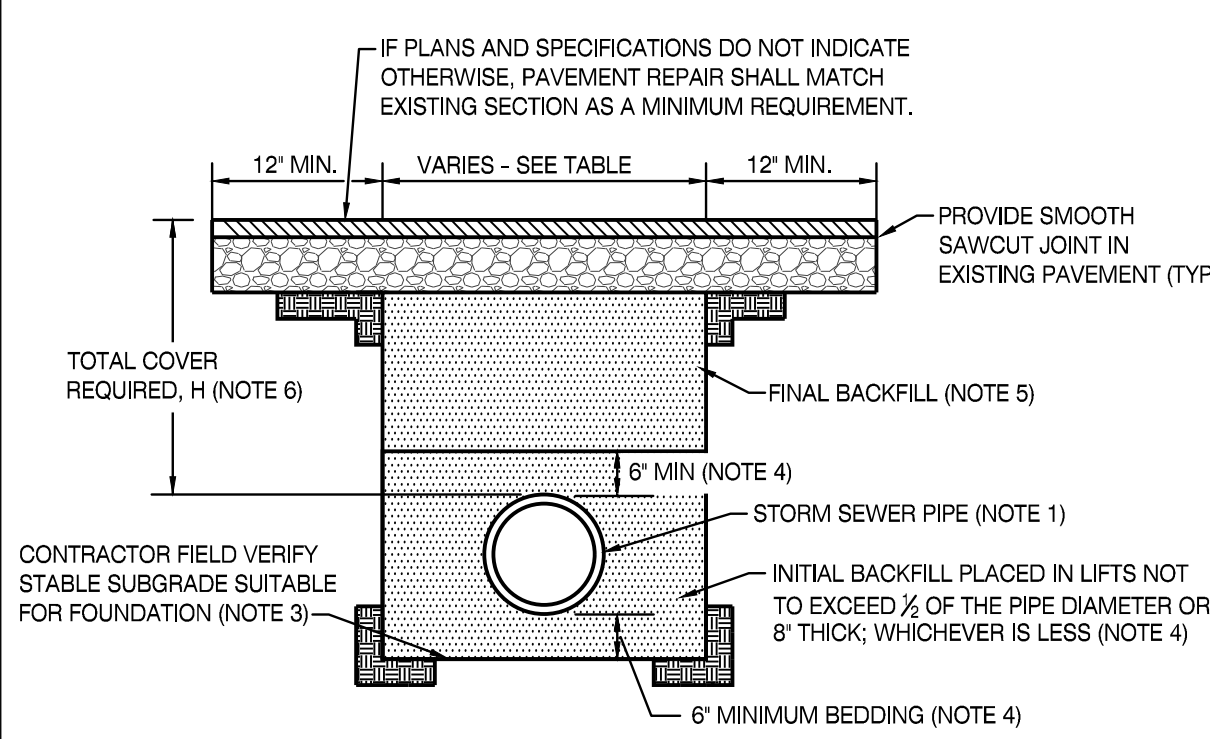
CIVIL DETAILS

SHEET NO.: C802

ALUMINIZED CMP, HDPE AND PVC	
PIPE DIA. (IN.)	MINIMUM WIDTH (IN.)
4	21
6	23
8	26
10	28
12	30
15	34
18	39
24	48
30	50
36	59
42	68
48	78
54	87
60	96

ROP AND CONCRETE	
PIPE DIA. (IN.)	MINIMUM WIDTH (IN.)
12	22
15	26
18	31
24	40
30	50
36	59
42	68
48	78
54	87
60	96

- ALL HDPE PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST ED., AND ALL CMP SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM A 798, LATEST ED.
- THIS DETAIL ADDRESSES A TRENCH TYPE INSTALLATION. FOR EMBANKMENT OR OTHER INSTALLATIONS, FOR CMP SEE AASHTO SECTION 27, FOR HDPE SEE AASHTO SECTION 30. THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.
- WHERE THE TRENCH BOTTOM IS UNSUITABLE FOR FOUNDATION IN THE OPINION OF THE PROJECT GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL STABILIZE THE TRENCH BOTTOM ACCORDING TO THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER.
- BEDDING AND INITIAL BACKFILL TO 6" ABOVE THE CROWN OF THE PIPE SHALL BE #57 CRUSHED STONE. ELIMINATE VOIDS BY KNIFING UNDER AND AROUND PIPE WITH SHOVEL OR OTHER MEANS AT THE DISCRETION OF THE CONTRACTOR.
- FINAL BACKFILL FOR ALL PIPES LOCATED IN PAVED AREAS SHALL BE COMPACTED #57 CRUSHED STONE MEETING THE REQUIREMENTS OF THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION. FOR GRASS OR LANDSCAPED AREAS, PROVIDE #57 CRUSHED STONE INITIAL BACKFILL TO 6" ABOVE CROWN OF PIPE AND COVER GRAVEL WITH A NONWOVEN GEOTEXTILE TO PREVENT MIGRATION OF FINES. FINAL BACKFILL TO SURFACE SHALL BE SOIL FREE OF FOREIGN DEBRIS. SOIL BACKFILL SHALL BE PLACED IN 8" LOOSE LIFTS AND BE COMPACTED TO 90% STANDARD DENSITY PER AASHTO T-99 OR PER PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. TOP 6" SHALL BE TOPSOIL FROM SITE STRIPPING OPERATIONS LOOSELY PLACED.
- MINIMUM COVER, H, IS 24" UP TO 48" DIAMETER PIPE. H IS 36" FOR 54" TO 60" DIAMETER PIPE. H IS MEASURED FROM TOP OF PIPE TO TOP OF FLEXIBLE PAVEMENT OR GROUND SURFACE IN GRASS OR LANDSCAPE AREAS WHERE APPLICABLE. FOR ROP AND CONCRETE PIPE, H IS 12" MINIMUM.

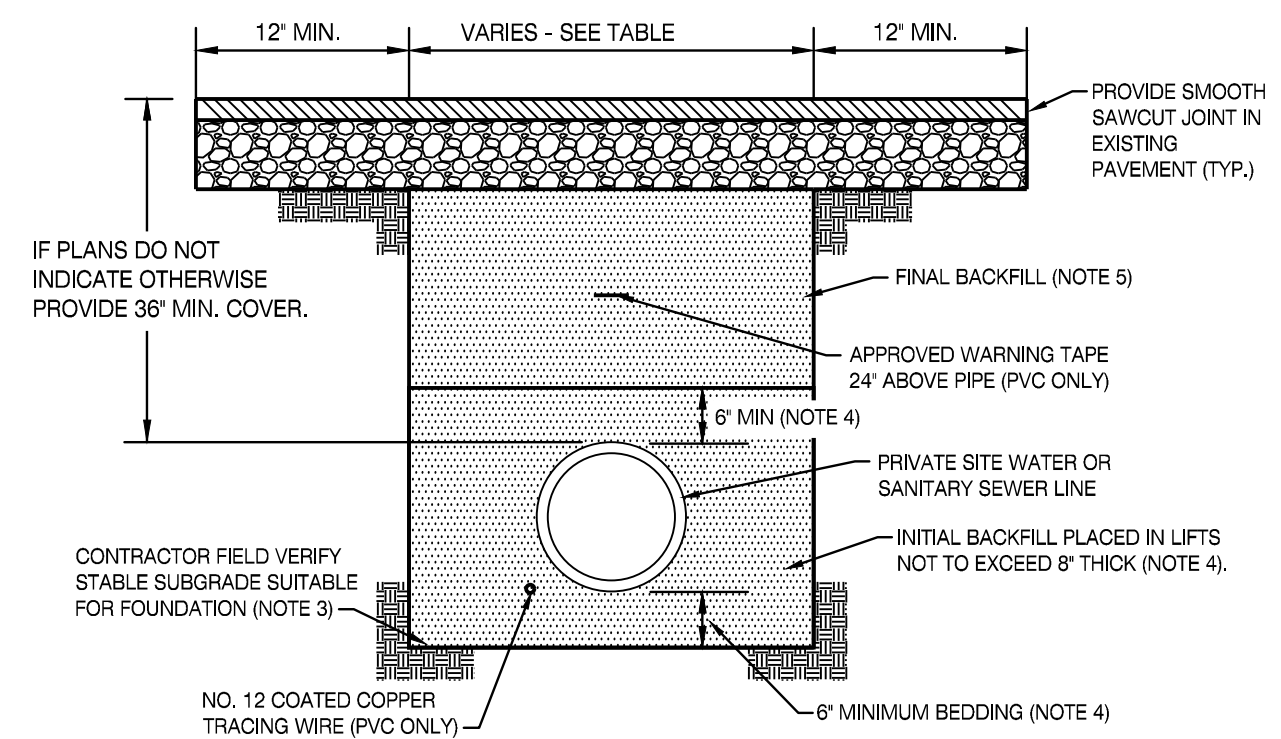


STORM SEWER TRENCH

1

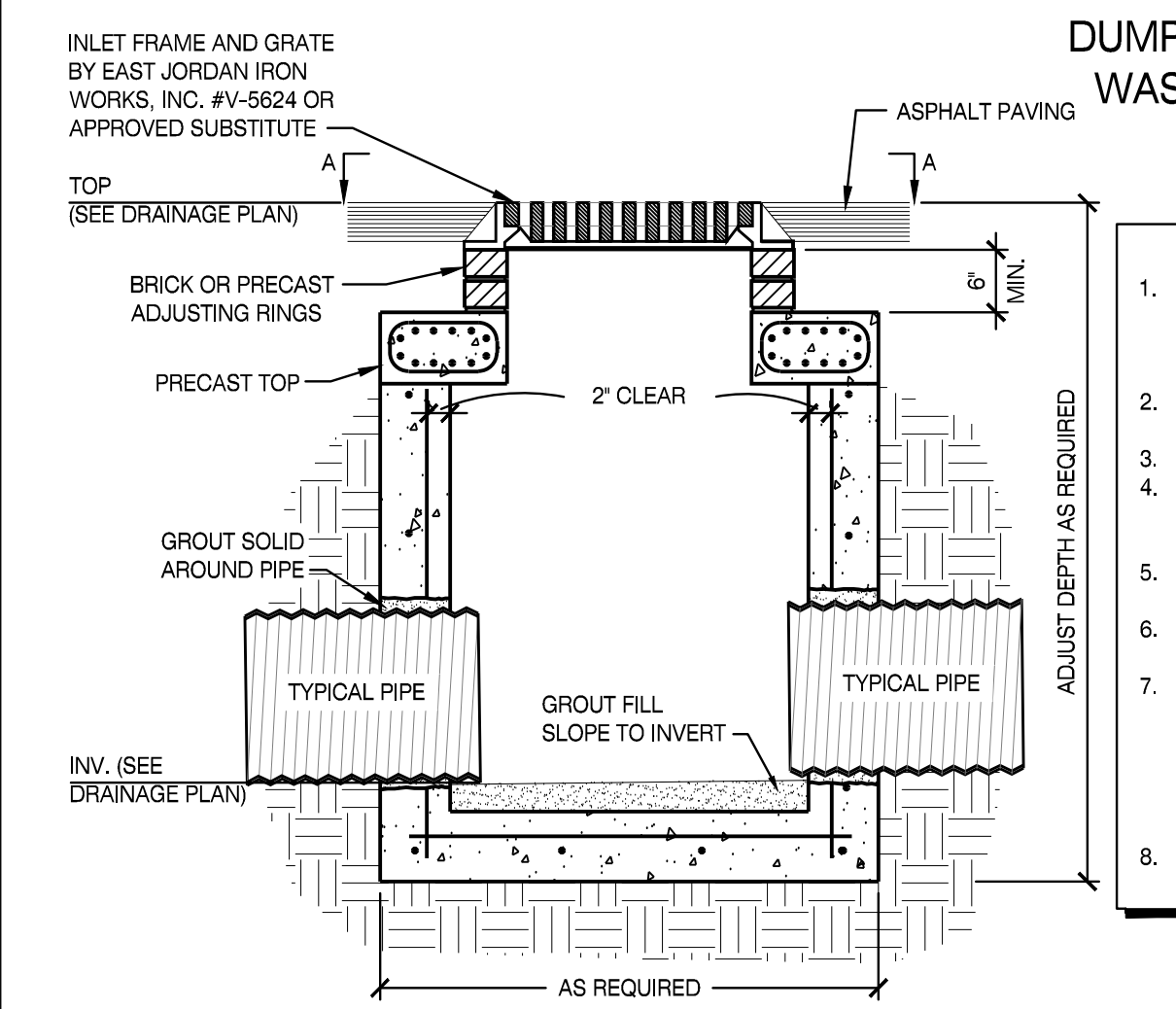
WATER AND SEWER TRENCH

2



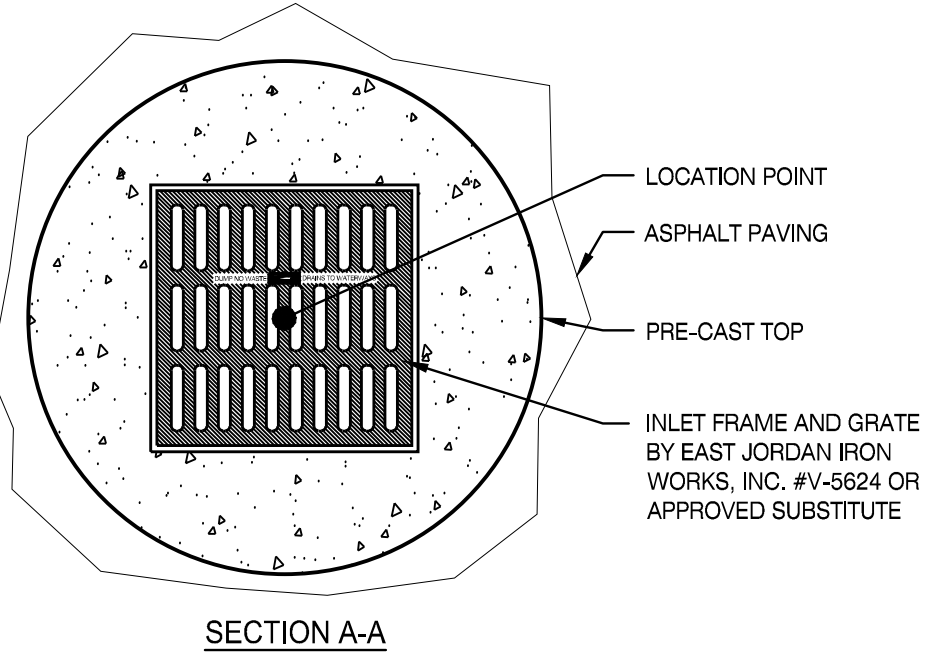
- NOTES:
- ALL PRIVATE SITE UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE, LOCAL UTILITY REQUIREMENTS, AND THE LOCAL AGENCY HAVING JURISDICTION OVER BUILDING CONSTRUCTION.
 - THIS DETAIL ADDRESSES A TRENCH TYPE INSTALLATION. THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.
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 - IF PLANS AND SPECIFICATIONS DO NOT INDICATE OTHERWISE, PAVEMENT REPAIR SHALL MATCH EXISTING SECTION AS A MINIMUM REQUIREMENT.

MINIMUM TRENCH WIDTHS	
PIPE DIA. (IN.)	MIN. WIDTH (IN.)
< 4	18
4	21
6	23
8	26



DUMP NO WASTE DRAINS TO WATERWAYS
ENVIRONMENTAL MESSAGE
* SYMBOL SHALL BE PERMANENTLY CAST INTO GRATE

- NOTES:
- PRECAST SQUARE OR ROUND CATCHBASINS ARE ACCEPTABLE. CATCHBASINS SHALL MEET D.O.T. REQUIREMENTS. PRECAST VENDER SELECT STRUCTURE BEST SUITED FOR PIPE CONFIGURATION AND DEPTH.
 - PROVIDE ADJUSTING RINGS OR BRICK COURSES BELOW GRATE TO ALLOW FOR FINAL ADJUSTMENTS AS SHOWN.
 - SLOPE GRATE TO MATCH SLOPE.
 - KNOCK OUT HOLE IN ADJUSTING RING OR BRICK COURSE TO ALLOW SITE DRAINAGE UNTIL FINAL PAVEMENT IS COMPLETE. PATCH HOLE WITH GROUT BEFORE PAVING.
 - SEE STORM DRAINAGE PLAN FOR TYPE AND SIZING OF PIPES AND INVERT ELEVATIONS.
 - CLEAN CATCH BASIN OF ALL CONSTRUCTION DEBRIS AND SILT AT COMPLETION OF SITE WORK.
 - PROVIDE #V-5636 WHERE LARGE GRATE IS INDICATED ON PLAN. GRATE SHALL INCLUDE PERMANENTLY STAMPED ENVIRONMENTAL MESSAGE TO PREVENT DUMPING OF ILLEGAL WASTE. PROVIDE V-56-36-90 WHERE LARGE ADA GRATE IS INDICATED ON THE PLAN. IF INLET IS LOCATED IN A PUBLIC ROAD, PROVIDE TDOT-STANDARD CAST IRON GRATE PER STANDARD DRAWING D-CBB-42 UNLESS OTHERWISE NOTED, PROVIDE A PRECAST T.D.O.T. NO. 42 CATCH BASIN.

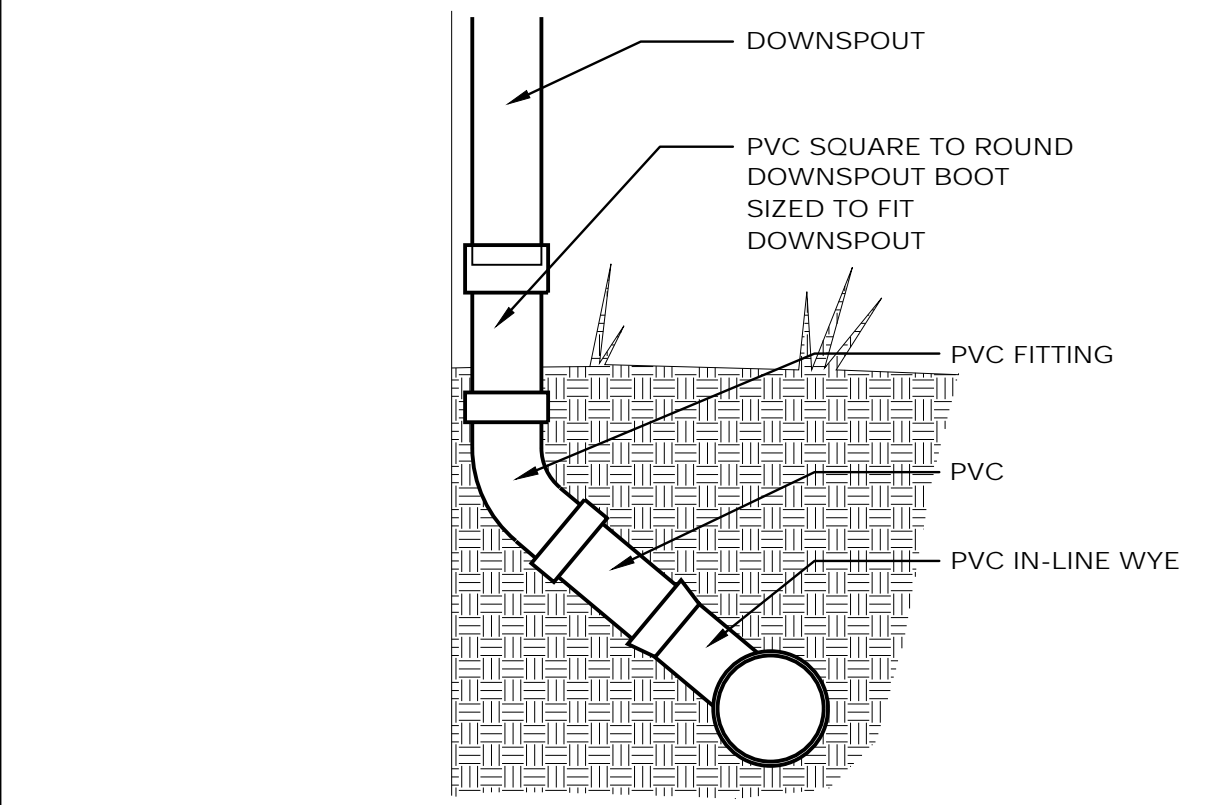
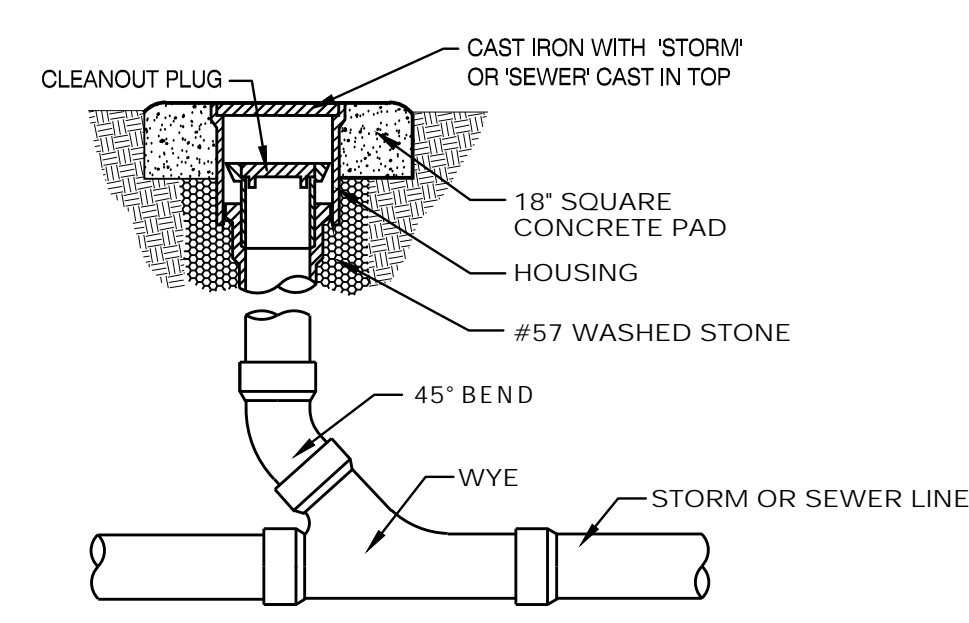


CATCH BASIN

3

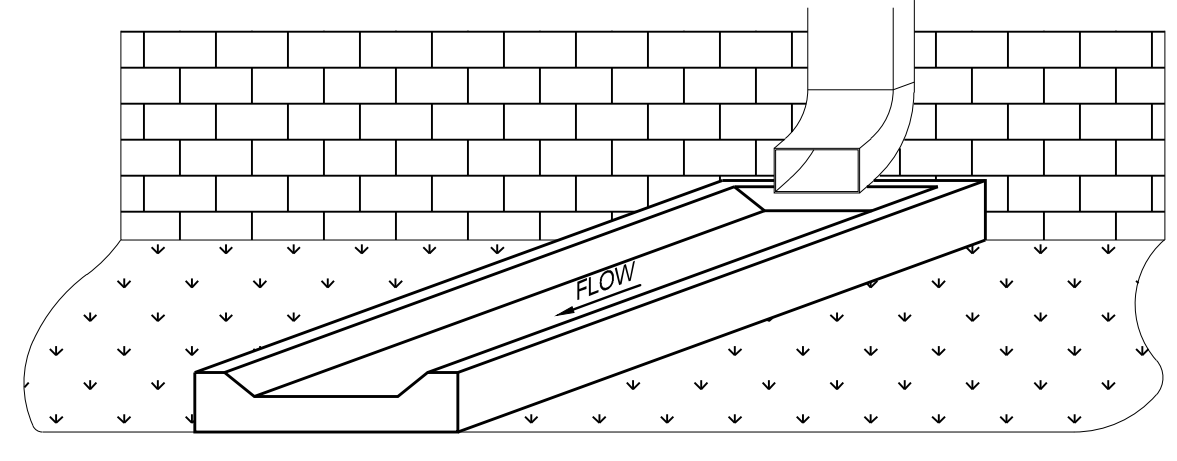
STORM/SEWER CLEANOUT

4



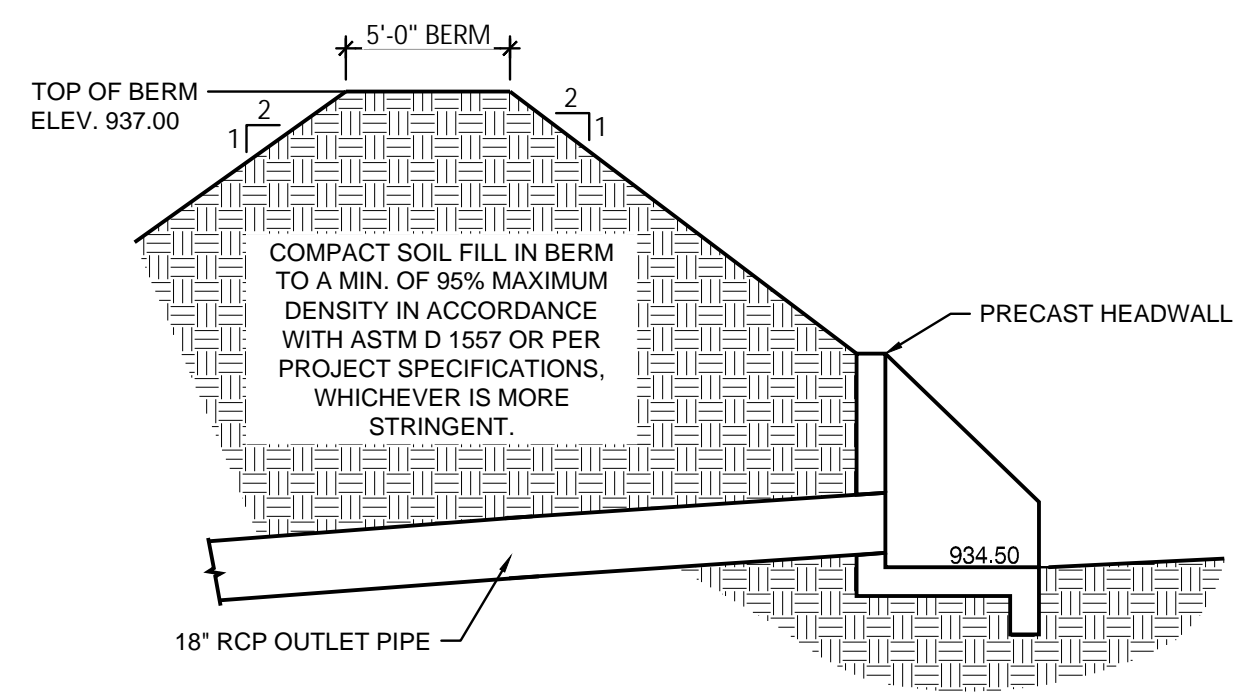
DOWNSPOUT BOOT

6



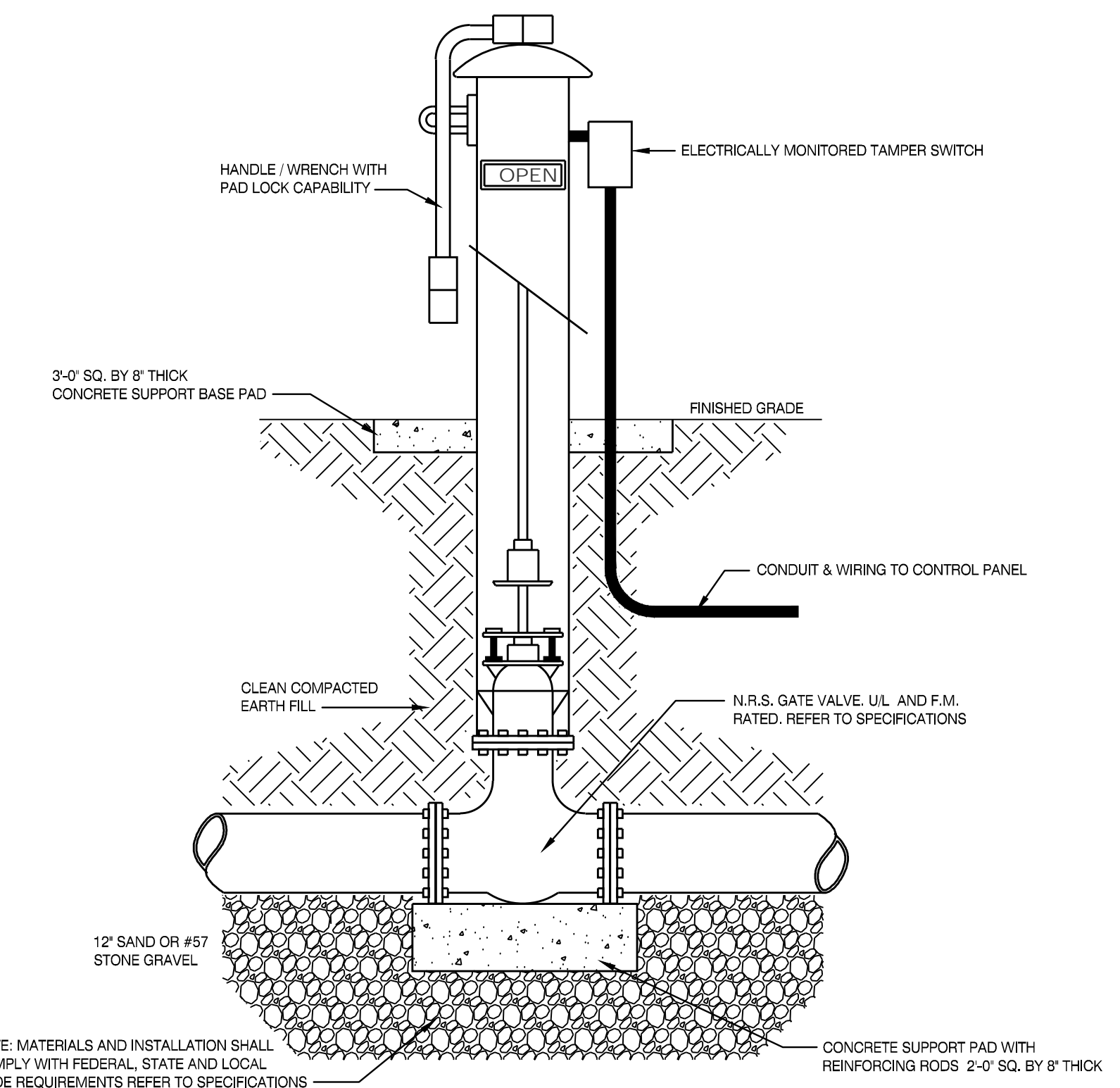
DRAINAGE SPLASH BLOCK

7



DETENTION POND

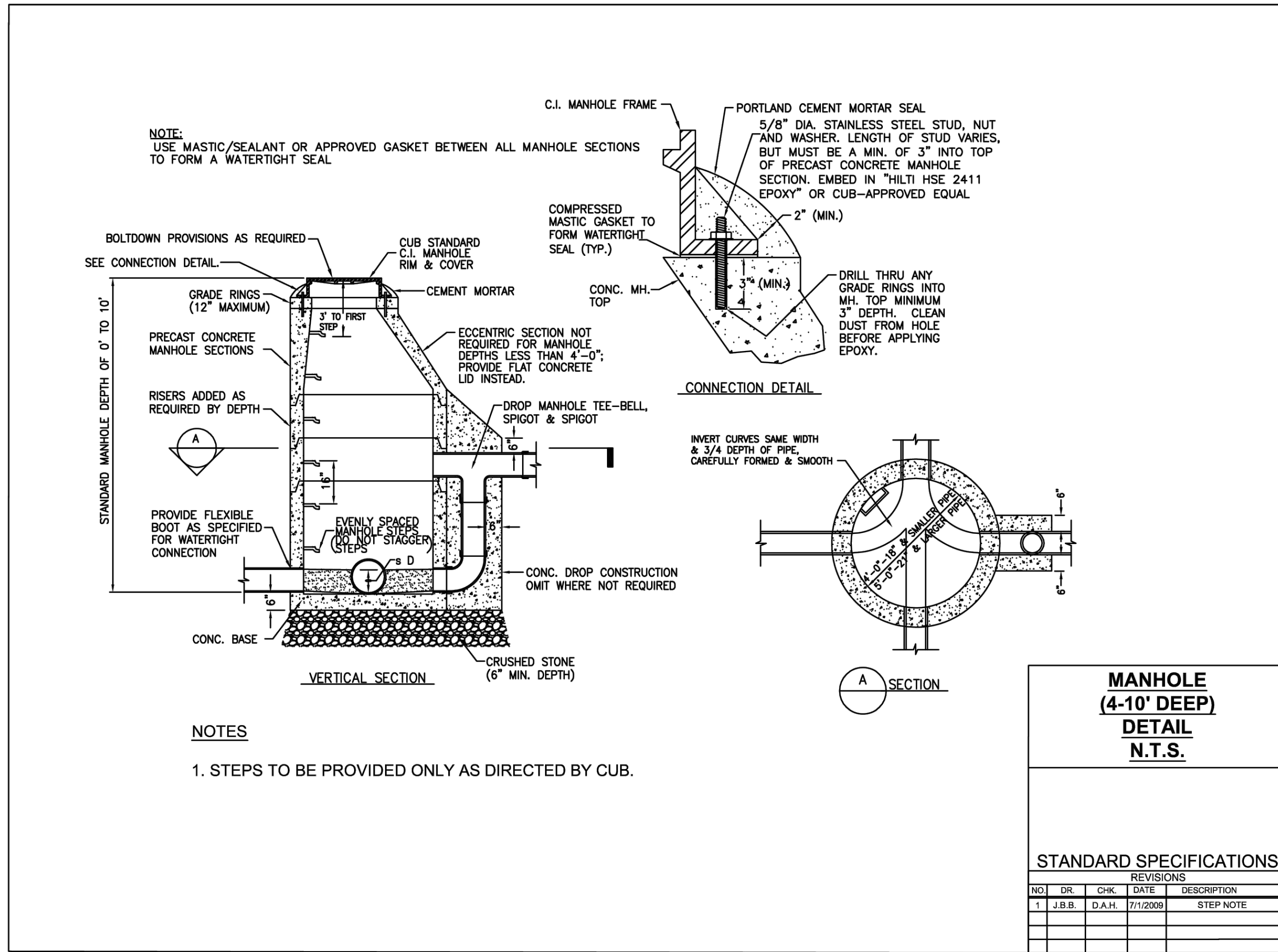
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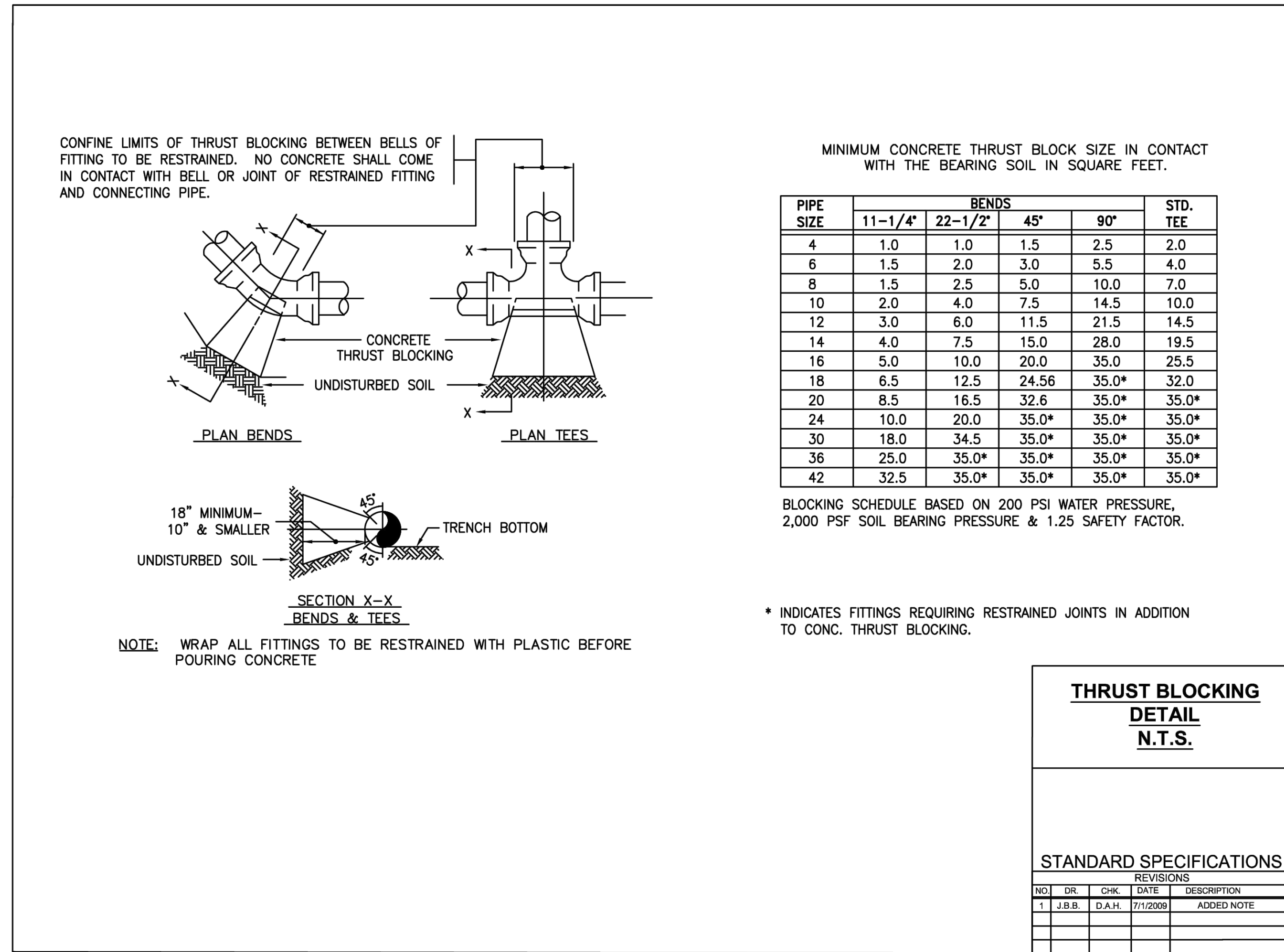
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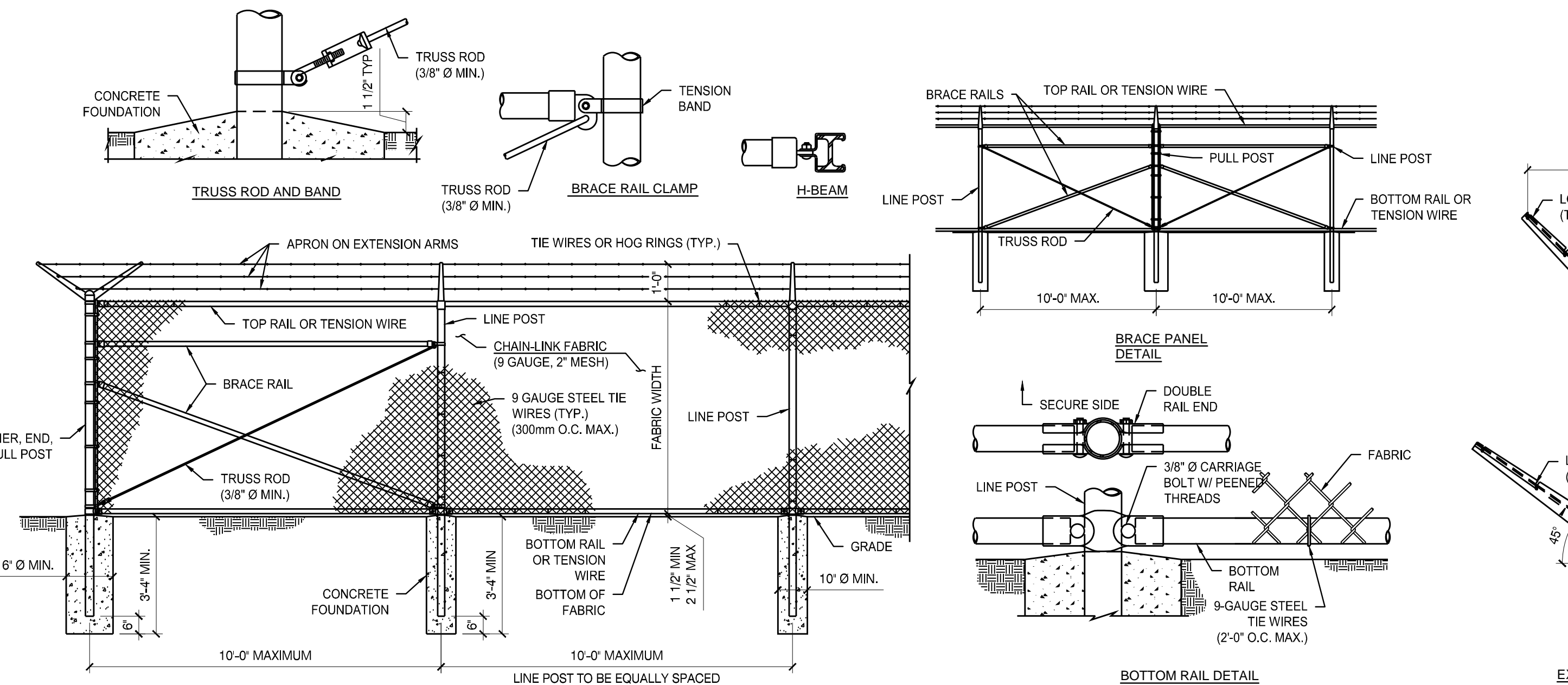
C.U.B. TYPICAL SANITARY SEWER MANHOLE

1



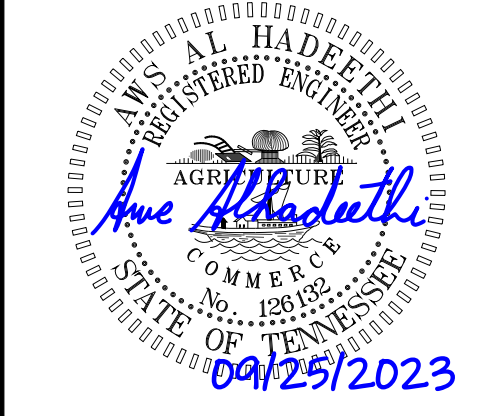
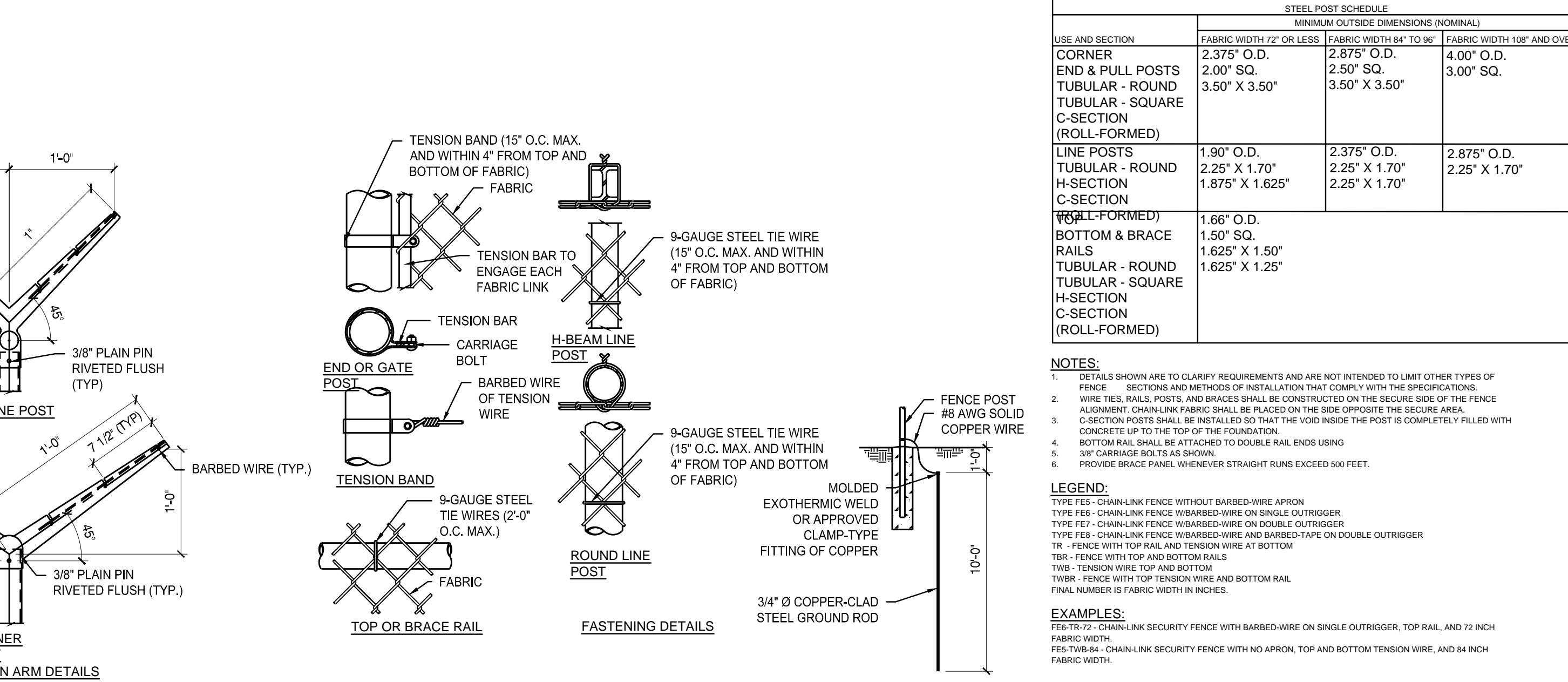
C.U.B. TYPICAL THRUST BLOCK

1



CHAIN LINK FENCE

3



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REVIEWED BY: A.M.A.
SHEET TITLE:

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SHEET NO.:

C803

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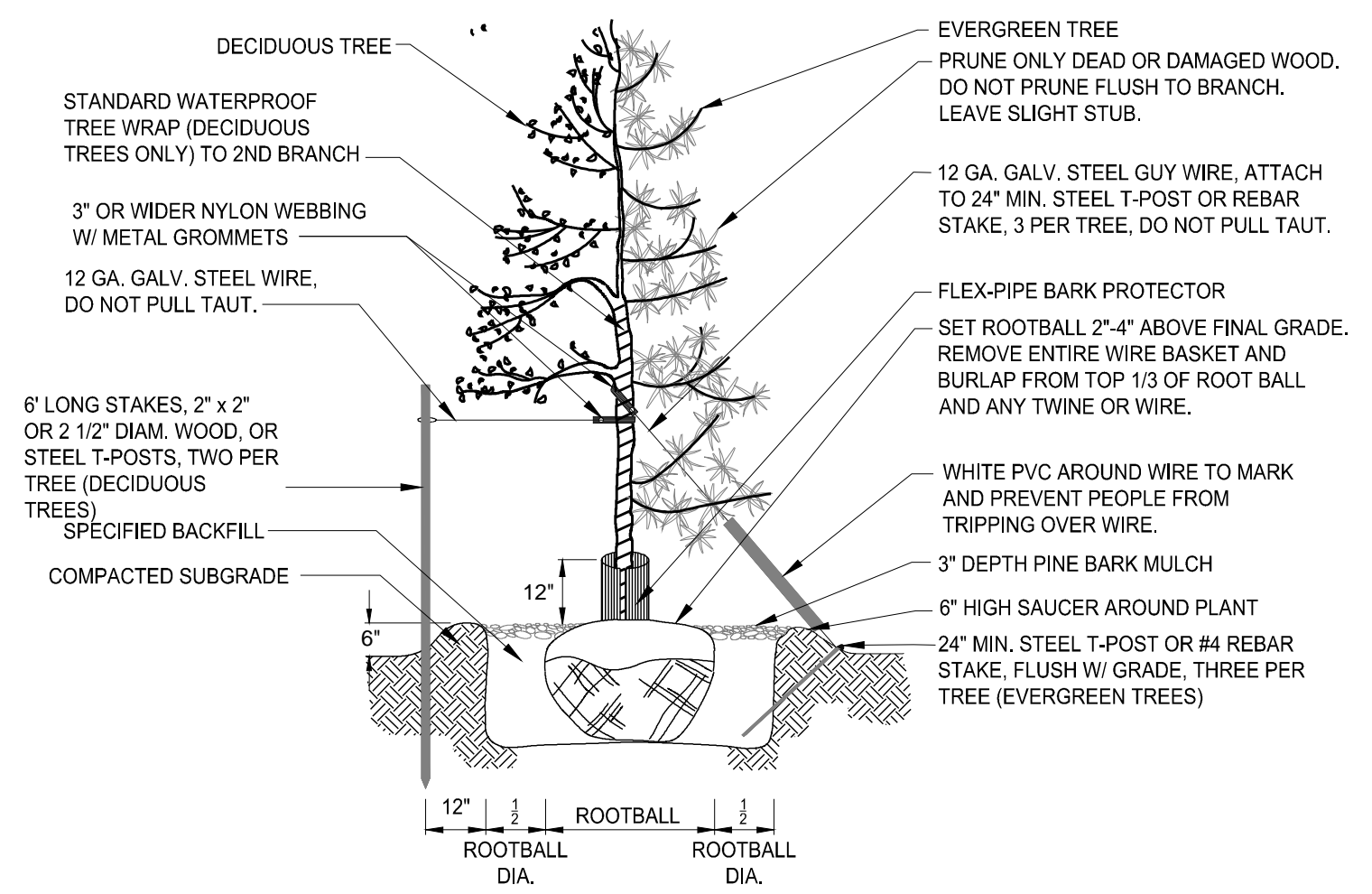
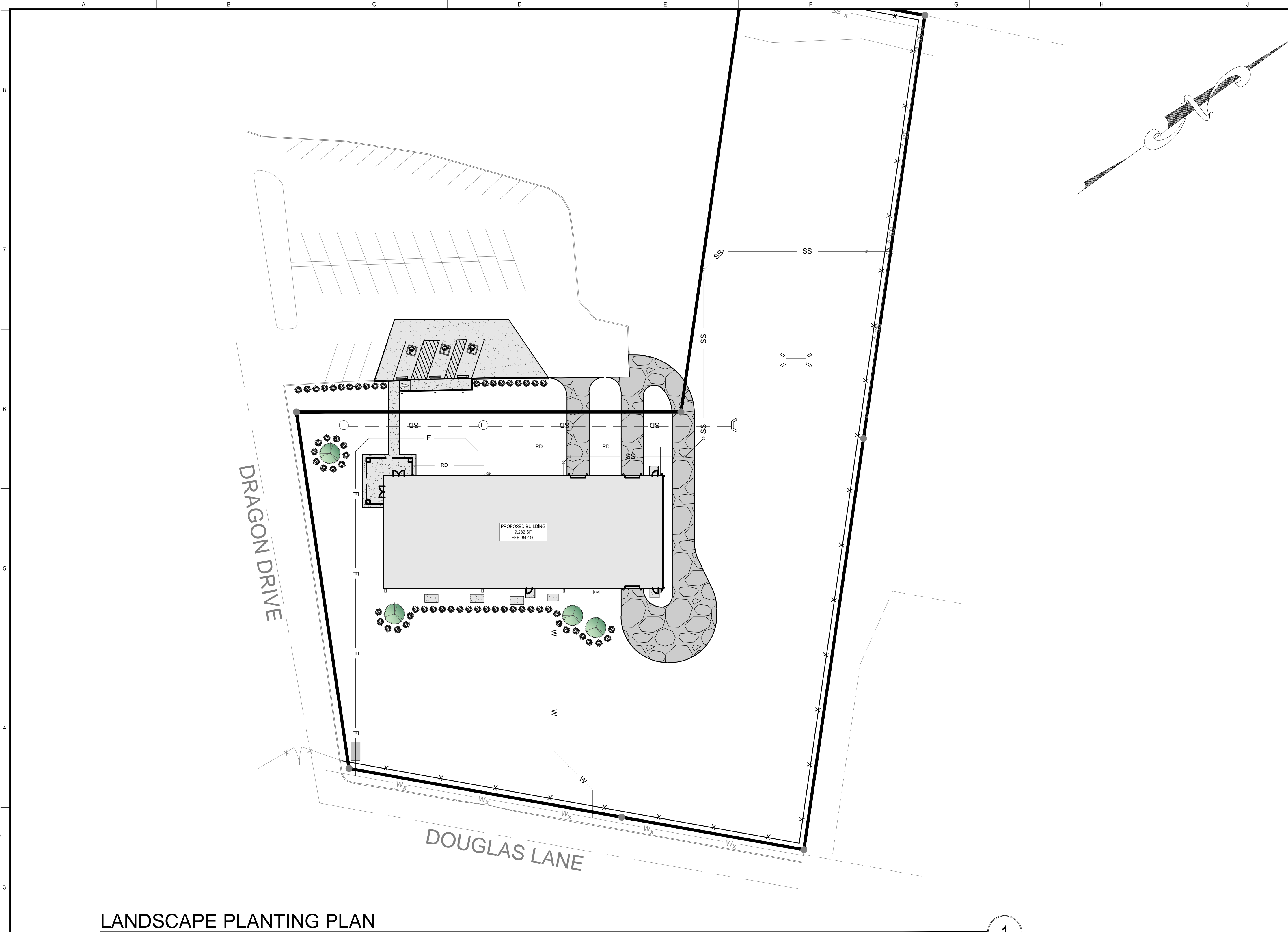
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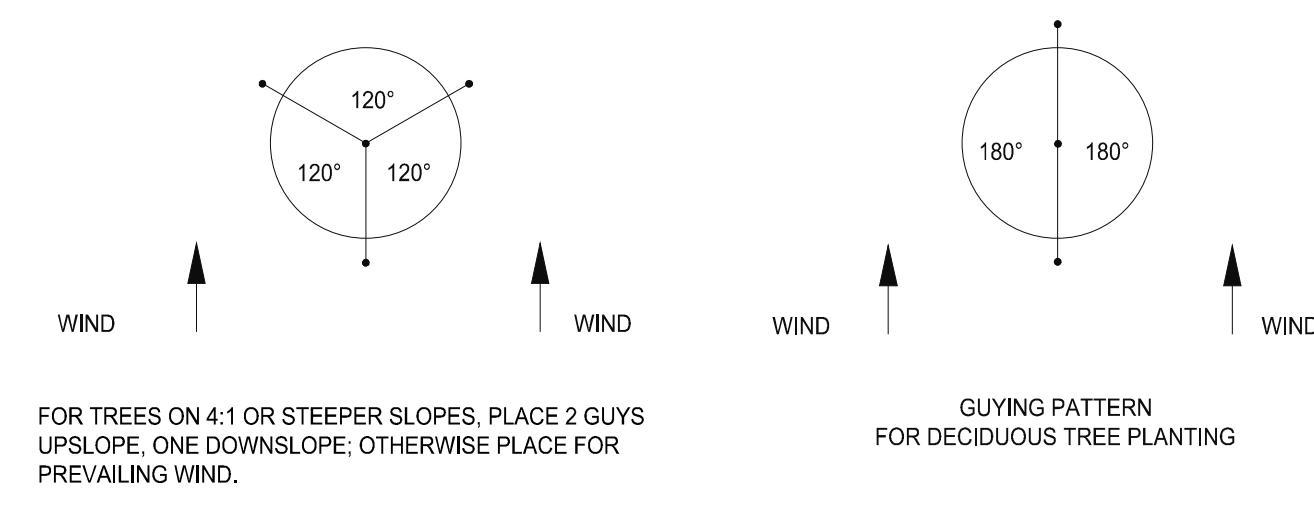
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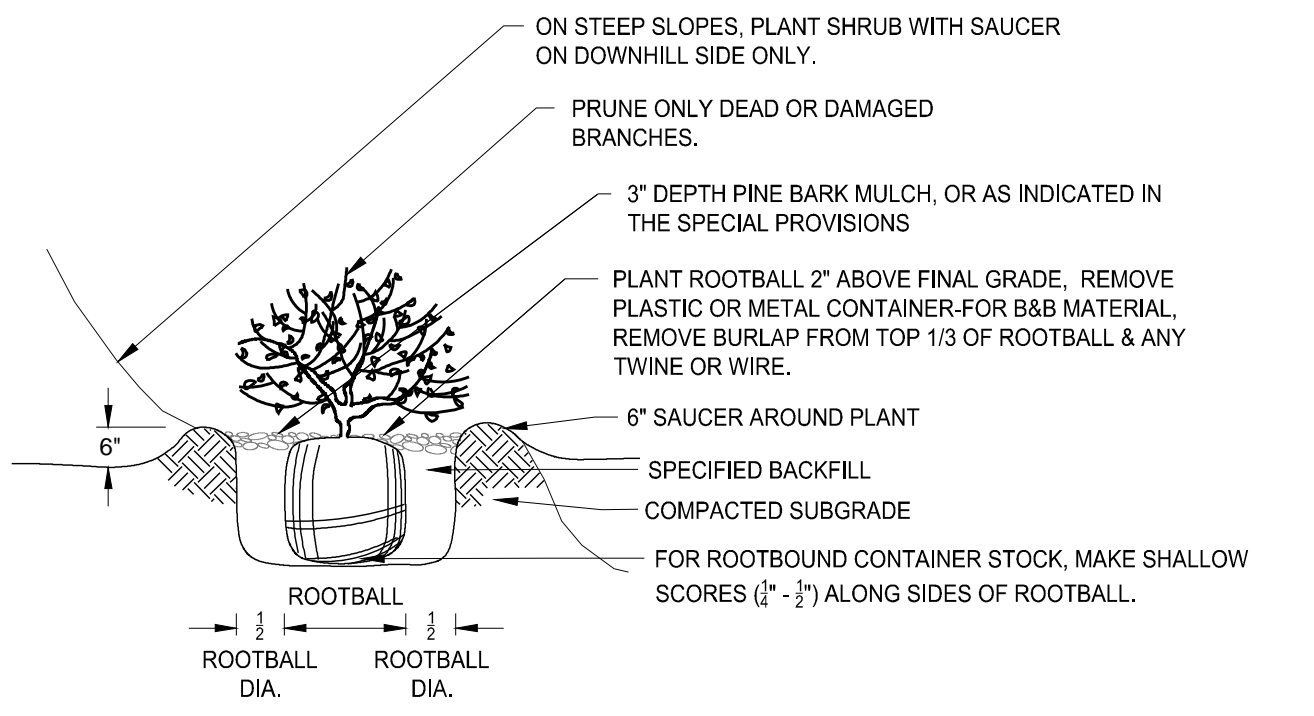
SITE LANDSCAPE PLAN
 SHEET NO.: L100



TREE PLANTING & GUYING 3



GUYING PATTERN 3



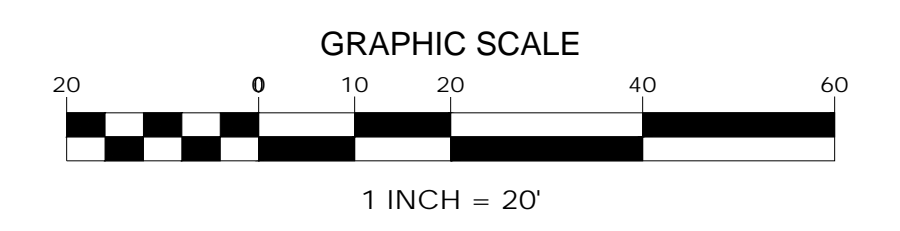
SHRUB PLANTING DETAIL 4

LANDSCAPE PLANTING PLAN

SCALE: 1" = 30'

GENERAL LANDSCAPE NOTES

- CARE IS TO BE TAKEN TO PROTECT ALL UNDERGROUND UTILITIES. THE GENERAL CONTRACTOR IS TO VERIFY AND MARK THE EXACT LOCATION OF ALL EXISTING UTILITIES (WATER, SEWER, GAS, ELECTRIC, SEPTIC TANKS, ETC.)
- SOIL USED IN THE BACKFILL OF PLANTING PITS AND LANDSCAPE BEDS SHALL BE CLEAN AND WEED FREE, AND SHALL BE MIXED WITH 25% PEAT MOSS/PINE BARK BY VOLUME.
- 12-6-6 PENNINGTON NURSERY FERTILIZER OR EQUAL SHALL BE USED IN ALL PLANTING PITS.
- HERBICIDE, TRIFLURAN OR EQUAL TO BE APPLIED TO PLANTING BEDS FOR NOXIOUS WEED CONTROL.
- ALL PLANTING BEDS TO HAVE A MINIMUM 3" OF PINE BARK MULCH.
- PRESSURE TREATED WOODEN STAKES SHALL BE USED FOR TREES OVER 2" CALIPER OR IN AREAS WHERE HEAVY WIND IS A FACTOR.
- ALL LANDSCAPING MATERIAL SHALL BE INSTALLED IN A PROFESSIONAL MANNER, AND ACCORDING TO ACCEPTED PLANTING PROCEDURES.
- TOPSOIL FURNISHED BY THE OWNER OR LANDSCAPE CONTRACTOR SHALL BE NATURAL, FERTILE, FRIABLE SOIL POSSESSING CHARACTERISTICS REPRESENTATIVE OF PRODUCTIVE SOILS IN THE AREA. SOIL SHALL NOT BE EXCESSIVELY ACIDIC, ALKALINE OR TOXIC THAT IT MAY BE HARMFUL TO PLANT GROWTH. TOPSOIL SHOULD BE FREE OF CLAY LUMPS, STONES, STUMPS, ROOTS, OR SUBSTANCE 2" OR MORE IN DIAMETER.
- ALL TREES RETAINED OR NEW SHALL BE PROPERLY MAINTAINED TO ENSURE THEIR SURVIVAL FOR 12 MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION. ANY TREE WHICH FALLS TO SURVIVE AFTER 12 MONTHS SHALL BE REPLACED WITHIN 9 MONTHS OF LOSS.
- LAWN QUALITY SHALL BE PROVIDED WITH FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY OFFICIAL SEED ANALYSIS OF SEED VENDOR'S CERTIFIED STATEMENT FOR EACH GRASS SEED MIXTURE. PROJECT CONDITIONS PROCEED WITH AND COMPLETE LAWNS AND GRASSES AS RAPIDLY AS PORTIONS OF SITE BECOME AVAILABLE. FERTILIZER WITH COMMERCIAL PERCENTAGE TO BE DETERMINED WITH ANALYSIS AND SEASON OF INSTALLATION. LIME TO BE NATURAL DOLOMITIC LIMESTONE CONTAINING NOT LESS THAN 85% OF TOTAL CARBONATE WITH MINIMUM OF 30% MAGNESIUM CARBONATES. SOD TYPE SHALL BE STRONGLY ROOTED, FRESHLY CULTIVATED SOD, NOT LESS THAN 1 YEAR OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES.
- PROPOSED PLANT MATERIAL WILL NOT INTERFERE WITH ANY EXISTING AND/OR PLANNED UNDERGROUND OR OVERHEAD UTILITIES.
- APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.
- APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON-CONSTRUCTION AREAS, WHICH SHOW SIGNS OF EXCESSIVE EROSION.
- THE GUYING OF TREES IS OPTIONAL, BUT, THE LANDSCAPE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE STABILITY AND PLUMB CONDITION OF ALL TREES AND SHRUBS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY THE INSTABILITY OF ANY PLANT MATERIALS. THE GUYING DETAILS ARE AN APPROVED METHOD OF TREE GUYING, OR EQUAL.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL LANDSCAPE ORDINANCES.



PLANT SCHEDULE

FLOWERING TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE	CAL	CONT
	4	DOGWOOD / <i>Cornus florida</i>	15-30' H	2"	
DECIDUOUS SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE	CONT	
	61	SPIRAEA / <i>Spiraea x 'Little Princess'</i>	18-24" H	3 gal	

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