

GENERAL NOTES


- Topographic data depicted on the site plans is based on 2016 Connecticut LiDAR data. Aerial images depicted on the site plans is based on 2016 Connecticut Orthoimagery. (Citation: Capitol Region Council of Governments.) (2016). 2016 LiDAR DEM. Retrieved from: <http://cteco.uconn.edu/data/flight2016/index.htm>
- Street lines and property lines depicted on the site plans is based on Town of Salisbury Assessor's mapping and should be construed as very approximate.
- Contours are referenced to the North American Vertical Datum of 1988 (NAVD-88). Horizontal Coordinates are referenced to the North American Datum of 1983 (NAD-83).
- Compliance with the permit conditions is the responsibility of both Contractor and Permittee.
- Contractor shall Obtain a roadway encroachment permit from CT DOT District 4 prior to the start of work.
- These Contract Drawings were prepared using Imperial units unless otherwise noted. All dimensions and elevations shall be verified in the field prior to construction. Any discrepancies shall be brought to the attention of the Engineer.
- All proposed contours and spot elevations indicate finished grade.
- Contractor shall coordinate the final limits of sidewalk construction with Engineer.
- All construction materials and methods shall conform to the Town of Salisbury requirements and to the applicable sections of the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 819 (2024) merged with Summary of Changes - January 2025 Supplements to Form 819.
- Contractor shall construct, install, and maintain all soil erosion and sediment control measures in accordance with the Connecticut Department of Transportation Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 819, 2020, merged with Summary of Changes - January 2025 Supplements to Form 819 and Connecticut Guidelines for Soil Erosion and Sediment Control, unless required otherwise by the Technical Specifications.
- All disturbed areas shall receive a minimum of 4" topsoil and be seeded with grass unless otherwise noted.
- All fuel, oil, paint, or other hazardous materials used during construction should be stored in a secondary container and removed to a locked indoor area with an impervious floor during non-work hours.
- Contractor shall maintain and protect traffic throughout the duration of construction in accordance with the Technical Specifications and with conditions of Contractor's CT DOT Encroachment Permit.
- Contractor shall maintain and protect all street and traffic-control signs within the project limits unless directed otherwise by Engineer. The cost of this work shall be included in the Contract Item for "Maintenance and Protection of Traffic". All signs and pavement markings installed along the project must conform to the "Manual on Uniform Traffic Control Devices," and the latest state of Connecticut Catalog of Signs and standard as revised.
- Prior to any full or partial road closure, Contractor shall place adequate warning signs, detour information, and barricades to the satisfaction of Owner. These signs must be removed or otherwise covered when the road is reopened to traffic on an interim basis (e.g., nights, weekends, holidays, or extended shutdowns).
- Contractor shall make every effort to protect existing trees not scheduled for removal, private property, and adjacent roadways from construction-related damage. At Contractor's sole expense, Contractor shall repair, replace, or reconstruct (as directed by Engineer) any items damaged by construction activities, to the pre-construction condition or better.
- Contractor shall protect all open excavations with adequate fencing and/or barricades, to the satisfaction of Owner, during periods when there is no construction activity. During construction activities, no open excavation shall be left unattended.
- Contractor shall provide continuous access to driveways, mailboxes, and newspaper tubes during construction. Contractor shall make every effort to minimize the duration of temporary, unavoidable access disruptions. Contractor shall make bona fide and timely efforts to coordinate such disruptions with the affected property owners.
- The plans require a contractor's working knowledge of local, municipal, water authority, and state codes for utility systems. Any conflicts between materials and locations shown, and local requirements shall be brought to the attention of the Engineer prior to the execution of work. The Engineer will not be held liable for costs incurred to implement or correct work which does not conform to local code.
- The location of all existing utilities should be confirmed at least two full working days prior to beginning construction. Call "call before you dig", 811 or www.cbyd.com. Contractor shall be solely responsible for determining the actual location of all subsurface utilities within the limits of construction. The locations of existing subsurface utilities and underground structures shown on these Contract drawings have been compiled from the best available information but have not been field-verified by test pit or survey. Contractor shall consider the horizontal and vertical position of the subsurface utilities shown on these Contract Drawings to be approximate. All utility locations that do not match the vertical or horizontal control shown on the plans shall immediately be brought to the attention of the Engineer for resolution.
- Haley Ward, Inc. accepts no responsibility for the accuracy of maps and data which have been supplied by others.
- Contractor shall be responsible for the timely coordination of the Work of this Contract with relocation work to be performed by the applicable utility companies (if any).
- Contractor shall coordinate any required temporary support and/or protection of utilities during trenching or excavation operations with the applicable utility companies.
- Contractor will be required to work near overhead and subsurface power, cable TV, and telecommunication lines. Contractor is hereby advised that overhead and subsurface utilities will not be de-energized during prosecution of the Work of this Contract. Contractor shall comply with applicable local, state, and federal safety regulations while working close to overhead or subsurface utilities.
- Contractor shall immediately notify the applicable utility companies and Engineer of any damage to subsurface or overhead utilities. Contractor shall be solely responsible for the cost of repairing all construction-related damage to overhead or sub-surface utilities.
- A licensed arborist is to be present when installing sidewalks in the vicinity of trees.
- Partial Funding for this project has been secured through a CTDOT Transportation Rural Improvement Grant Program, (TRIP), the remainder of project funding shall be provided by the municipality.

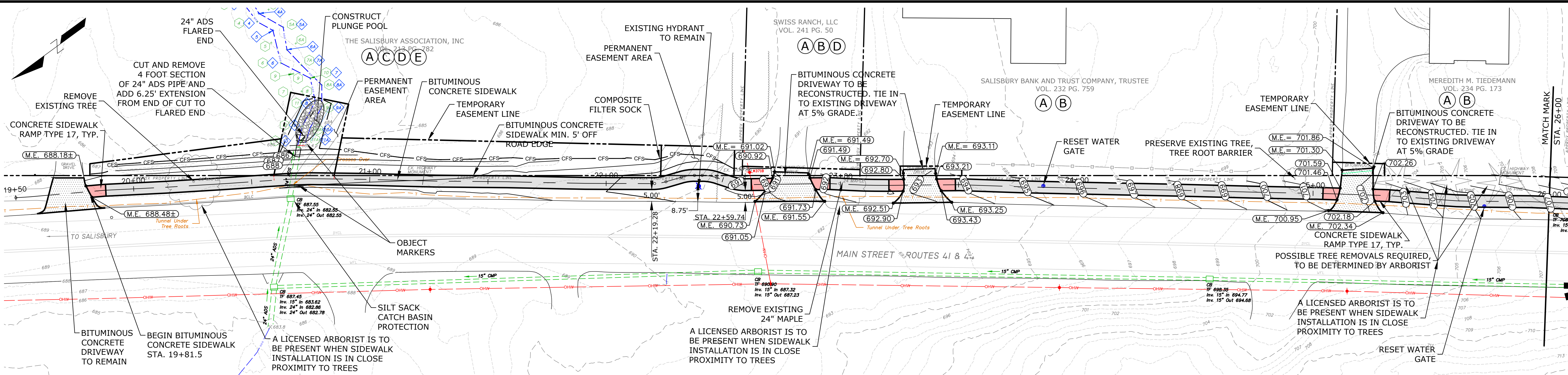
LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	BLDG. SETBACK	
	CONTOUR LINE	
	SPOT ELEVATION	
	WATER SUPPLY WELL	
	WETLANDS BOUNDARY	
	HAYBALE BARRIER	
	SILT FENCE	
	COMPOSE FILTER SOCK	
	STONE WALL	
	FENCE	
	GUIDE RAILING	
	UTILITY POLE	
	FIRE HYDRANT	
	MANHOLE	
	CATCH BASIN	
	STORM SEWER	
	SANITARY LINE	
	WATER LINE	
	GAS LINE	
	ELECTRIC LINE	
	TELEPHONE LINE	
	CABLE LINE	
	OVERHEAD WIRES	
	SOIL BOUNDARY	
	SOIL TYPE	
	EASEMENT	

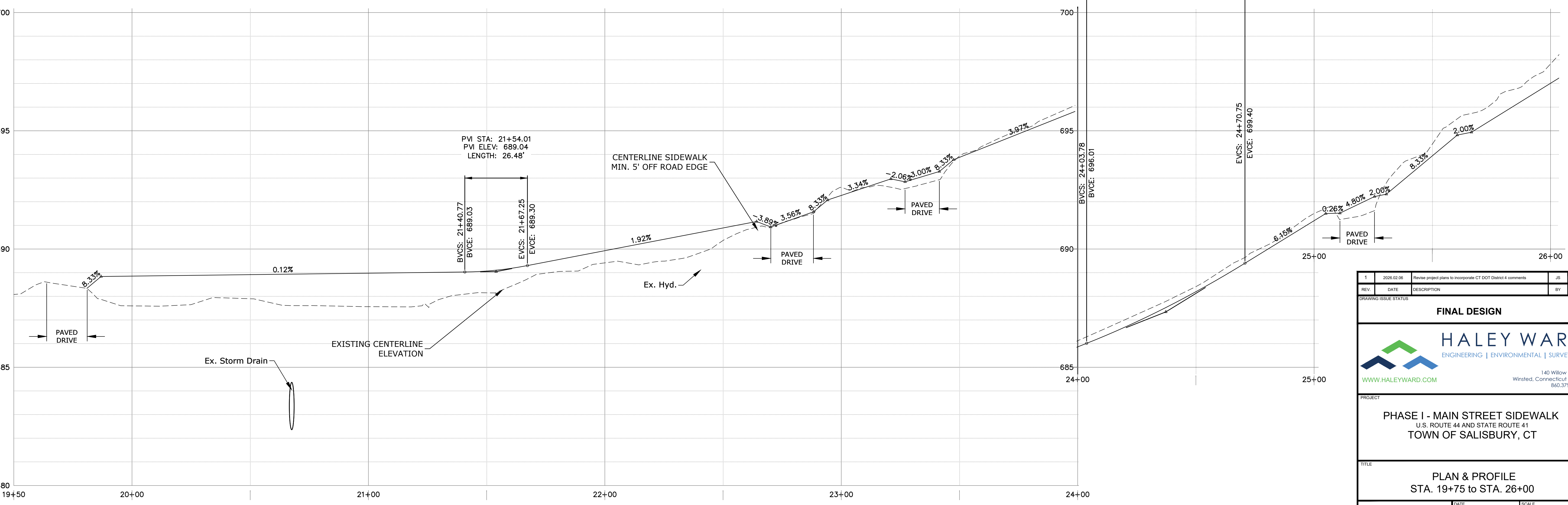
ABBREVIATION TABLE

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS
AC	ACRES
AKA	ALSO KNOWN AS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX.	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
B & B	BALL & BURLAP
BCLC	BITUMINOUS CONCRETE LIP CURBING
BIT., BIT. CONC.	BITUMINOUS CONCRETE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
BW	BOTTOM OF WALL
C.I.	CAST IRON
CAL.	CALIPER
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC.	CONCRETE
CONT.	CONTAINER
CPP	CORRUGATE PLASTIC PIPE
D.I.	DUCTILE IRON
D.I.P.	DUCTILE IRON PIPE
DH	DRILL HOLE
DIA.	DIAMETER
DIR.	DIRECTION
DMH	DRAIN MANHOLE
E	EAST
EA.	EACH
ELEC.	ELECTRIC
ELEV.	ELEVATION
EMH	ELECTRICAL MANHOLE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EXIST.	EXISTING
FND	FOUND
FT	FEET
GV	GAS VALVE
HYD	HYDRANT
IN	INCH
INV.	INVERT
IP	IRON PIN
L	LENGTH
L.F.	LINEAR FEET
M.J.	MECHANICAL JOINT
MAX.	MAXIMUM
MH	MANHOLE
MI	MILE
MIN.	MINIMUM
N	NORTH
N.T.S.	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW/FORMERLY
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O/S	OFFSET
OHW	ORDINARY HIGH WATER
PC	POINT OF CURVE
PG.	PAGE
POB	POINT OF BEGINNING
POE	POINT OF END
PRC	POINT OF REVERSE CURVE
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R.C.P.	REINFORCED CONCRETE PIPE
R.J.	RESTRAINED JOINT
RET.	RETAINING
RT.	ROUTE
S	SOUTH
SAN.	SANITARY
SCH.	SCHEDULE
SEC.	SECTION
SMH	SEWER MANHOLE
SPEC.	SPECIFICATION
SQ.	SQUARE
STA.	STATION
STAND.	STANDARD
TAN.	TANGENT
TELE.	TELECOMMUNICATION
TF	TOP OF FRAME
TW	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDERGROUND
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT.	VERTICAL
VOL.	VOLUME
W	WEST
W/	WITH
WL	WETLAND FLAG
WG	WATER GATE

1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
FINAL DESIGN				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING WWW.HALEYWARD.COM				
PROJECT				
PHASE I MAIN STREET SIDEWALK U.S. ROUTE 44 AND STATE ROUTE 41 TOWN OF SALISBURY, CT				
TITLE				
GENERAL INFORMATION				
DATE January 27, 2026		SCALE AS NOTED		
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PROJECT No. 4010219.002				
DRAWING No. 01				
				REV. 1

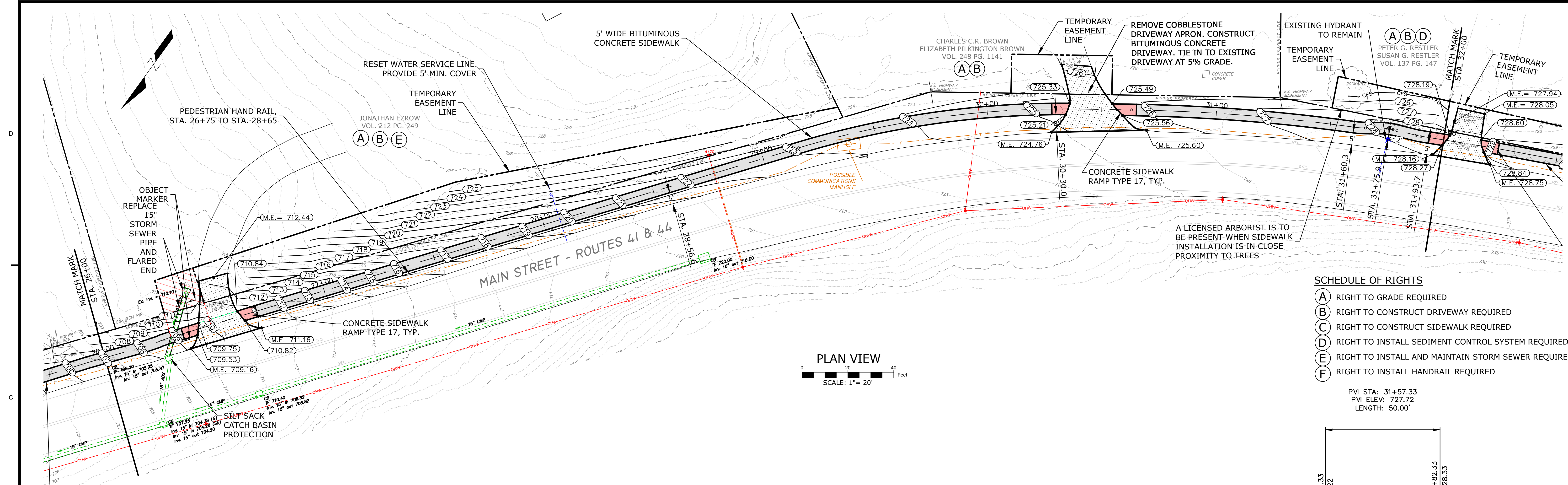


- SCHEDULE OF RIGHTS**
- (A) RIGHT TO GRADE REQUIRED
 - (B) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
 - (C) RIGHT TO CONSTRUCT SIDEWALK REQUIRED
 - (D) RIGHT TO INSTALL SEDIMENT CONTROL SYSTEM REQUIRED
 - (E) RIGHT TO INSTALL AND MAINTAIN STORM SEWER REQUIRED
 - (F) RIGHT TO INSTALL HANDRAIL REQUIRED



1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
FINAL DESIGN				
		HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING		
WWW.HALEYWARD.COM		140 Willow Street Winsted, Connecticut 06098 860.379.6669		
PROJECT				
PHASE I - MAIN STREET SIDEWALK U.S. ROUTE 44 AND STATE ROUTE 41 TOWN OF SALISBURY, CT				
TITLE				
PLAN & PROFILE STA. 19+75 to STA. 26+00				
DATE January 27, 2026		SCALE 1" = 20'		
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PROJECT No. 4010219.002				
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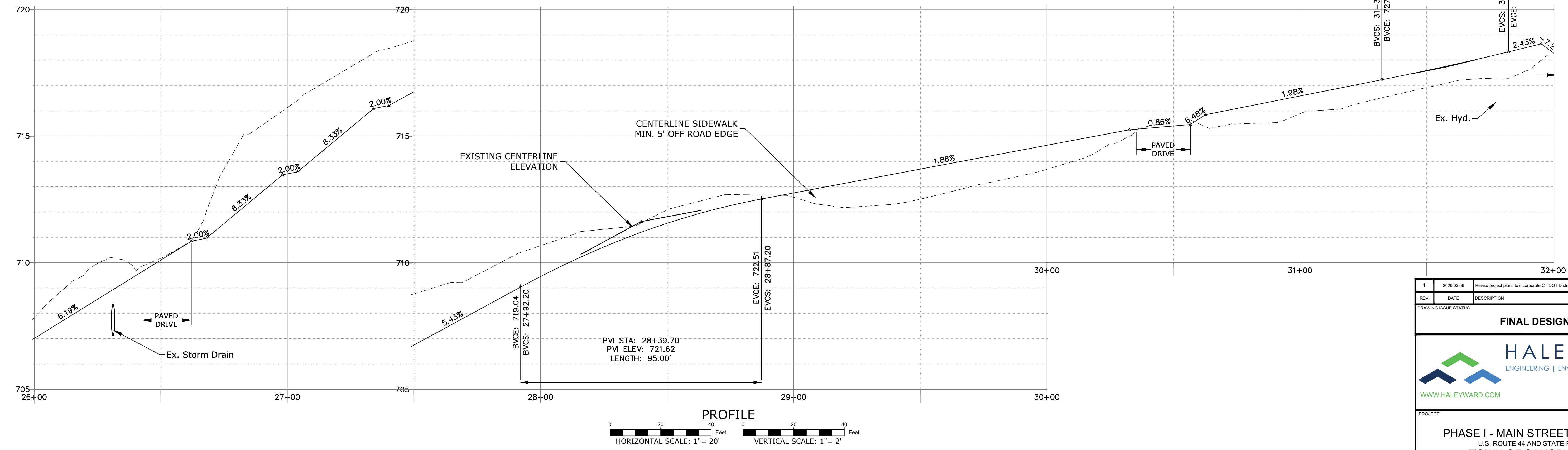
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PLAN VIEW
SCALE: 1" = 20'

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PVI STA: 31+57.33
PVI ELEV: 727.72
LENGTH: 50.00'



PROFILE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV	DATE	DESCRIPTION	BY	CHK

FINAL DESIGN

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING

www.haleyward.com

140 Willow Street
Winsted, Connecticut 06098
860.379.6669

PHASE I - MAIN STREET SIDEWALK
U.S. ROUTE 44 AND STATE ROUTE 41
TOWN OF SALISBURY, CT

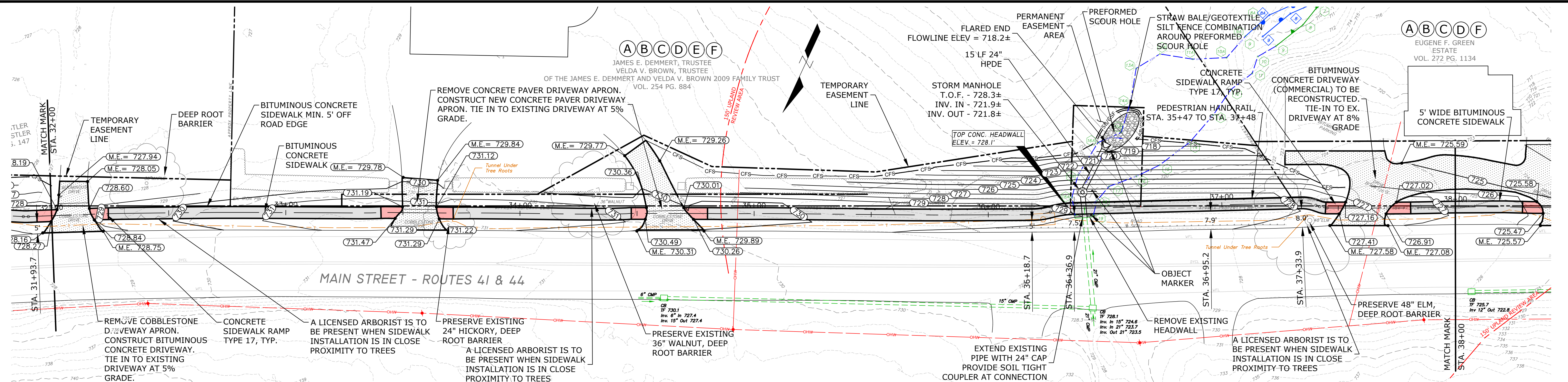
PLAN & PROFILE
STA. 26+00 to STA. 32+00

DATE	January 27, 2026	SCALE	1" = 20'
DRAWN BY	JS/PJM	DESIGNED BY	JS/PJM
CHECKED BY	DNB	PROJECT No.	4010219.002
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 EUGENE F. GREEN
 ESTATE
 VOL. 272 PG. 1134

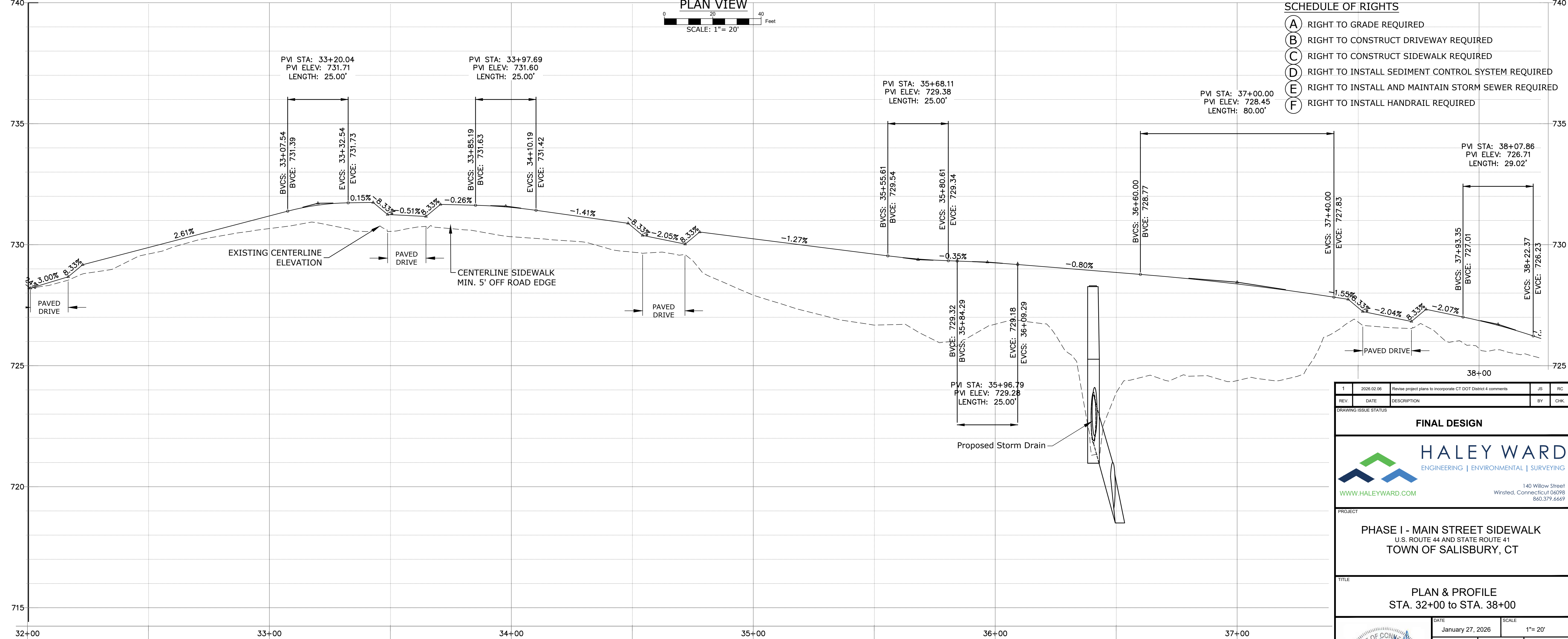
(A)(B)(C)(D)(E)(F)
 JAMES E. DEMMERT, TRUSTEE
 VELDA V. BROWN, TRUSTEE
 OF THE JAMES E. DEMMERT AND VELDA V. BROWN 2009 FAMILY TRUST
 VOL. 254 PG. 884



PLAN VIEW
 SCALE: 1" = 20'

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REV	DATE	DESCRIPTION	BY	CHK

FINAL DESIGN

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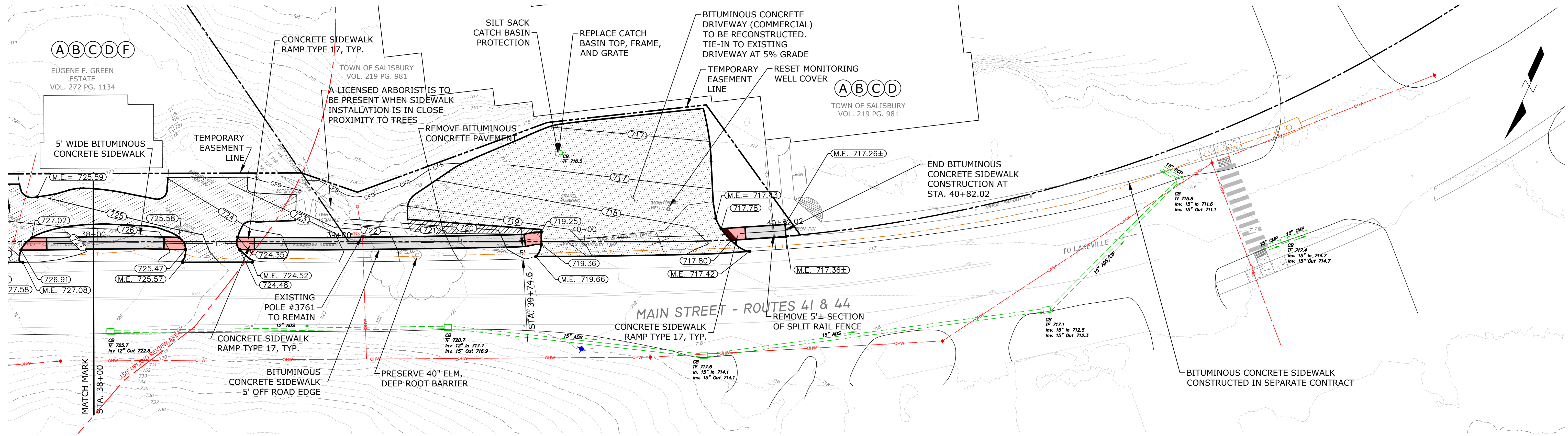
140 Willow Street
 Winsted, Connecticut 06098
 860.379.6669

PROJECT
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 U.S. ROUTE 44 AND STATE ROUTE 41
 TOWN OF SALISBURY, CT

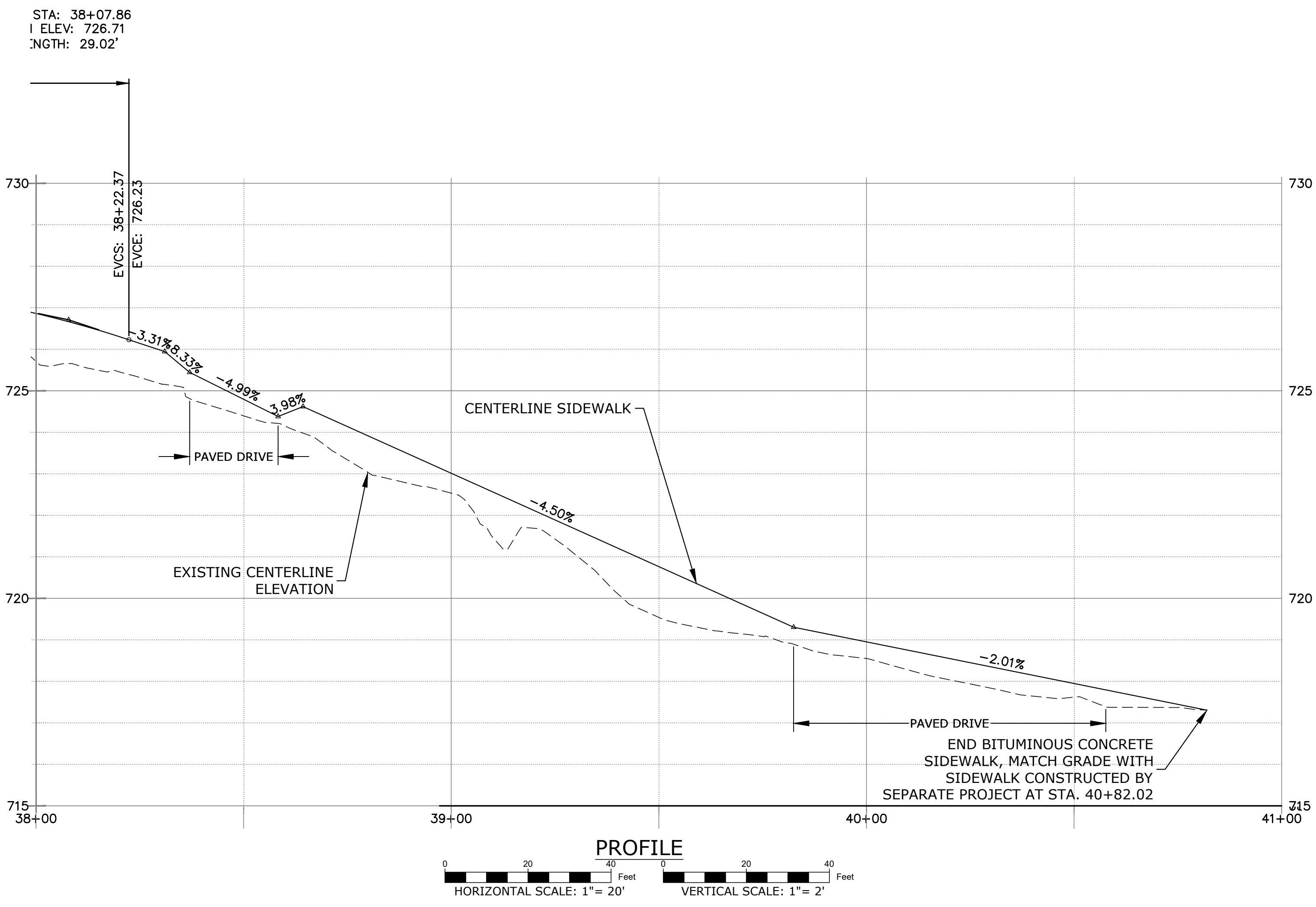
TITLE
PLAN & PROFILE
 STA. 32+00 to STA. 38+00

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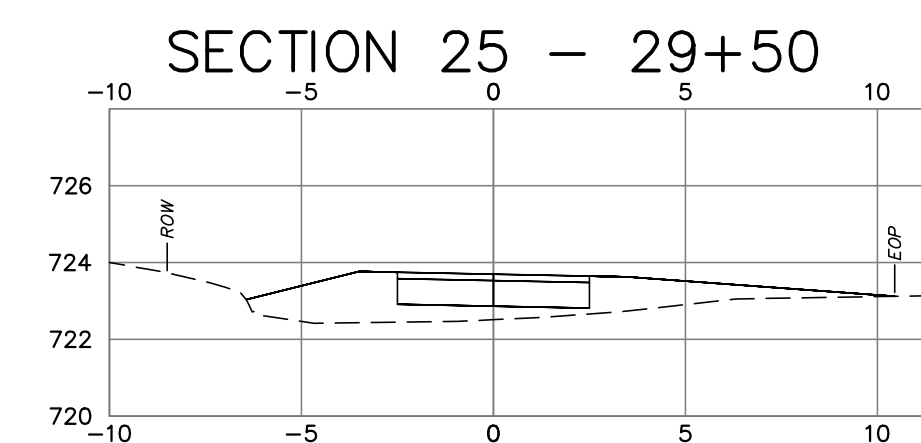
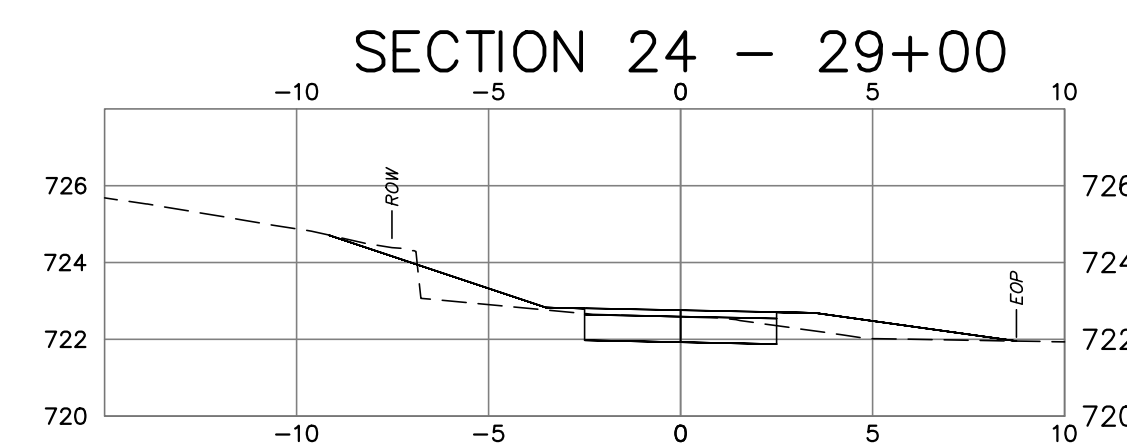
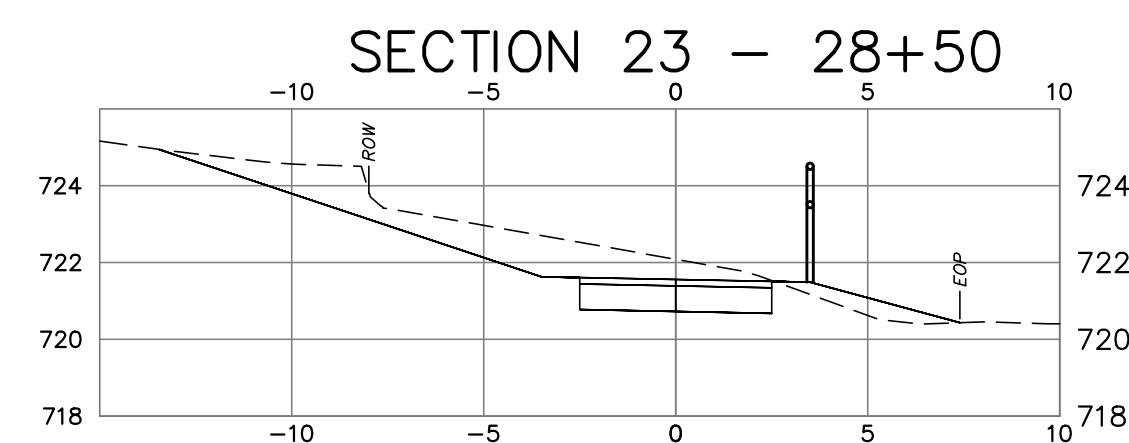
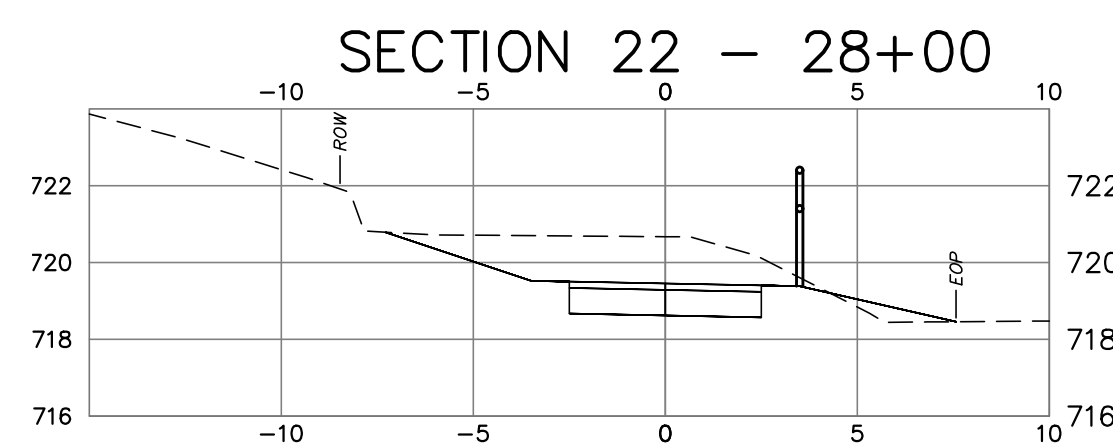
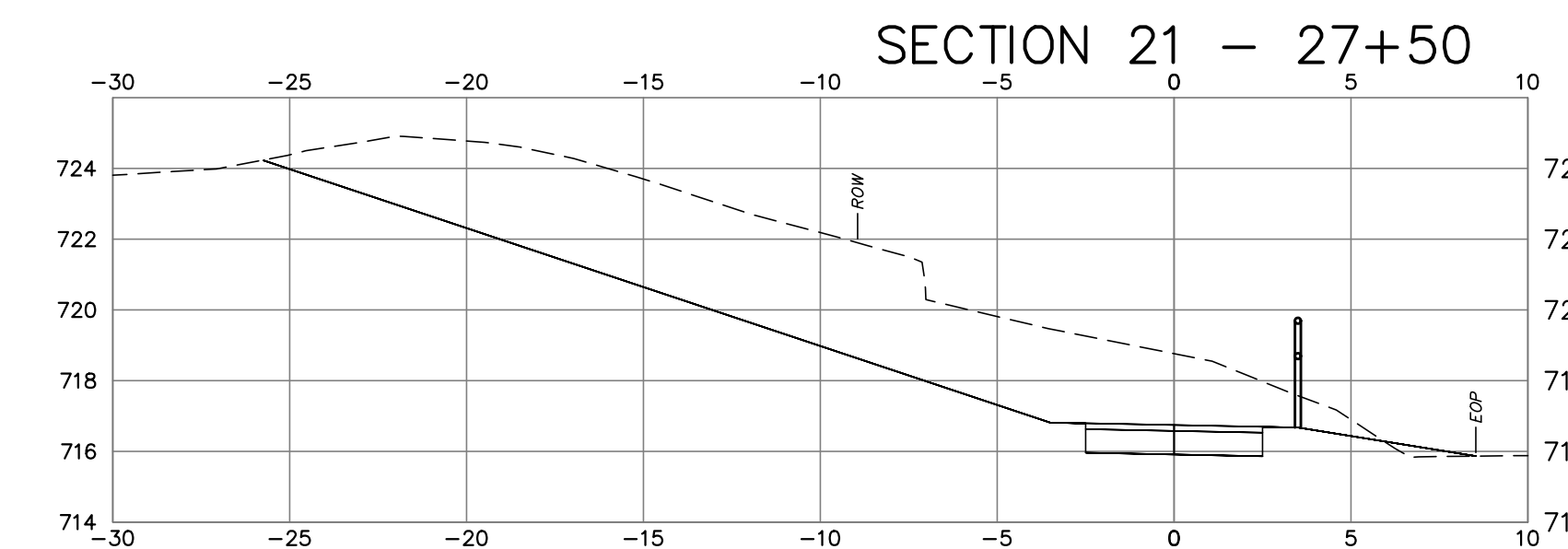
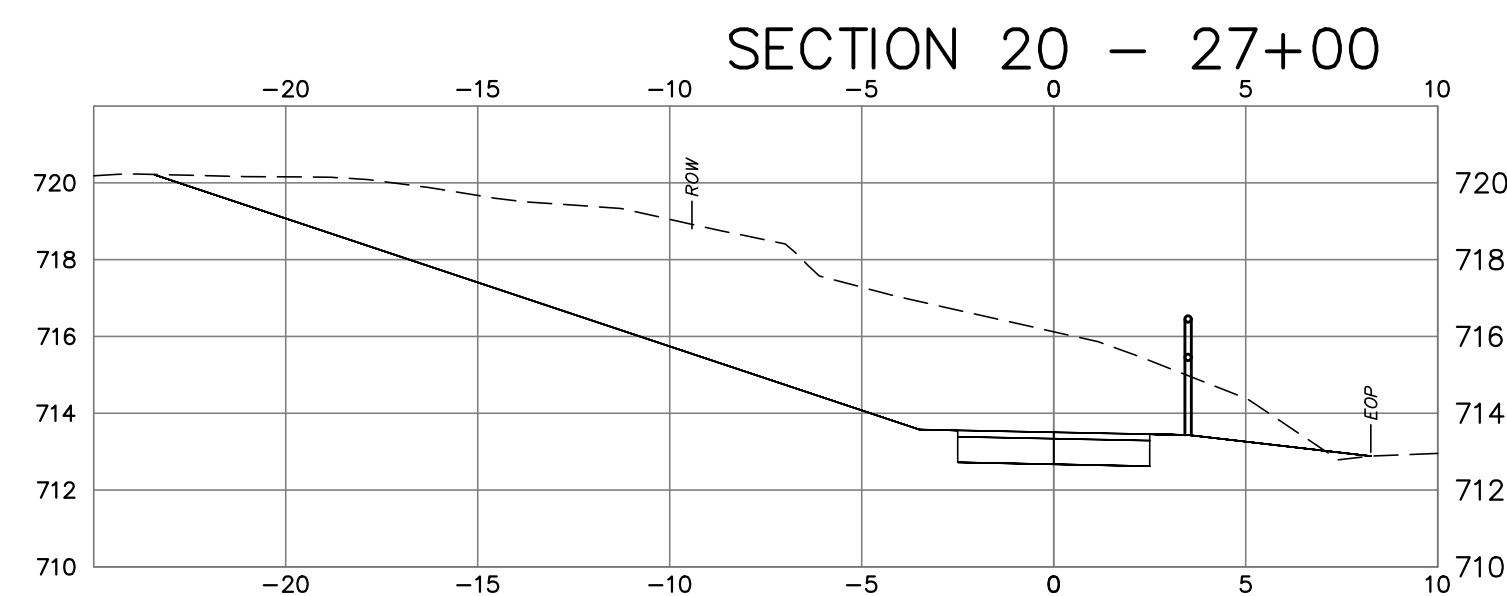
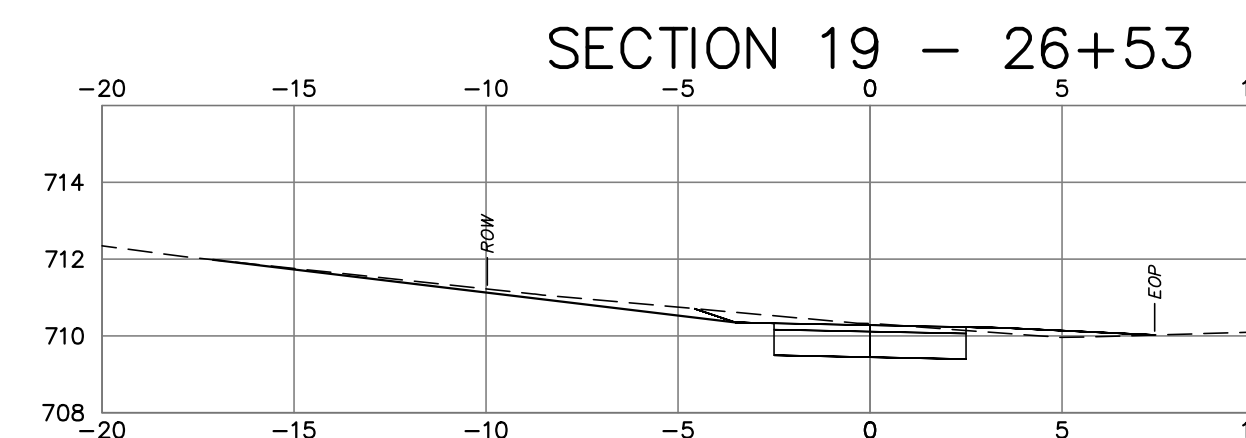
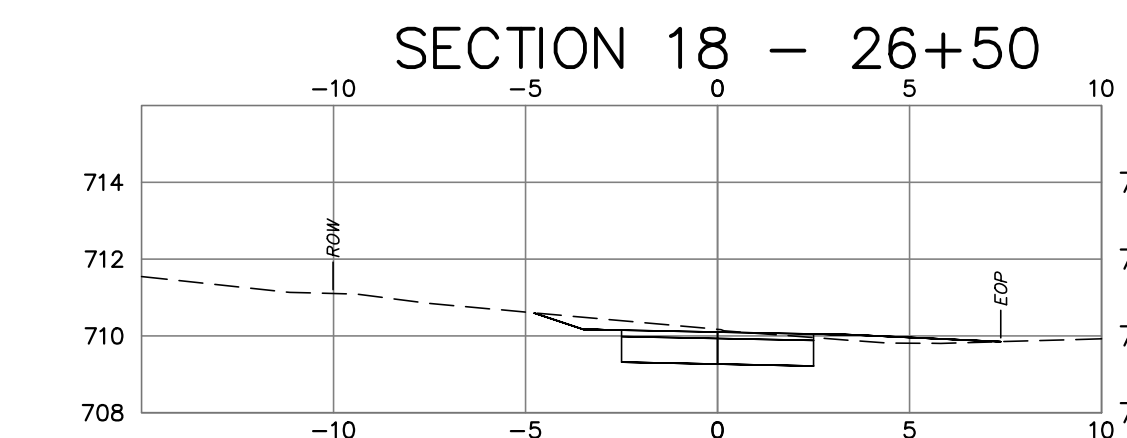
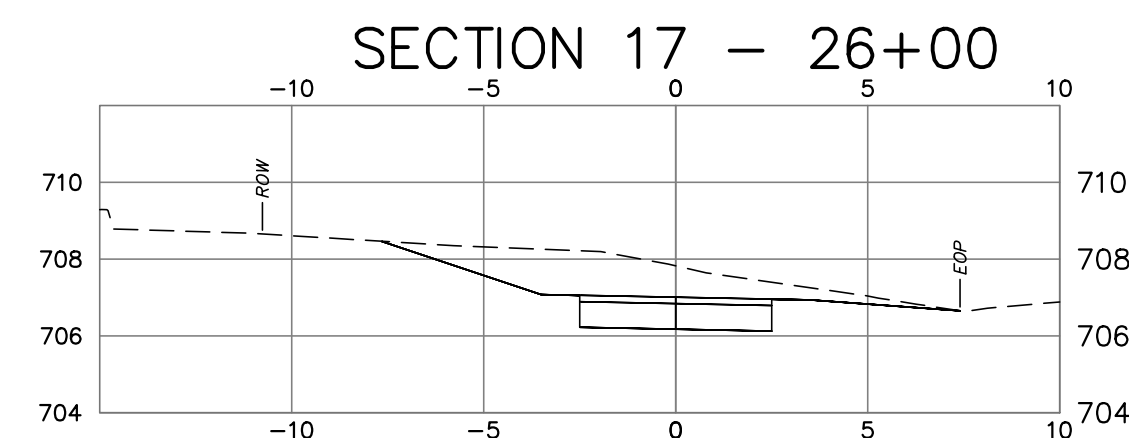
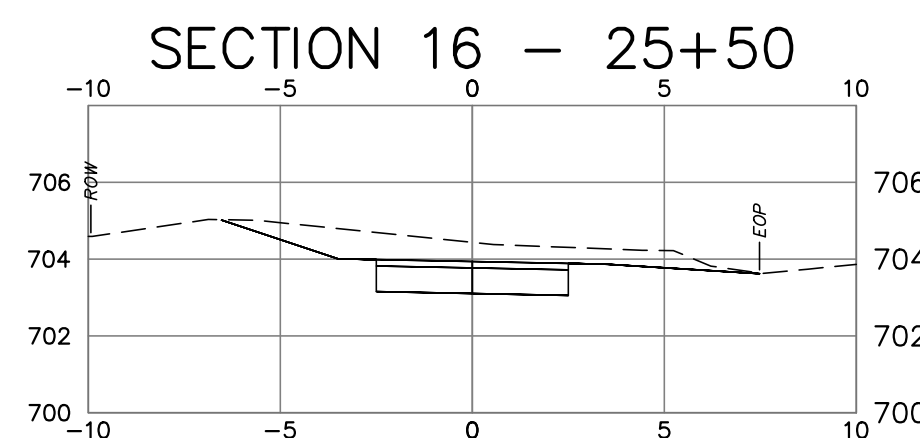
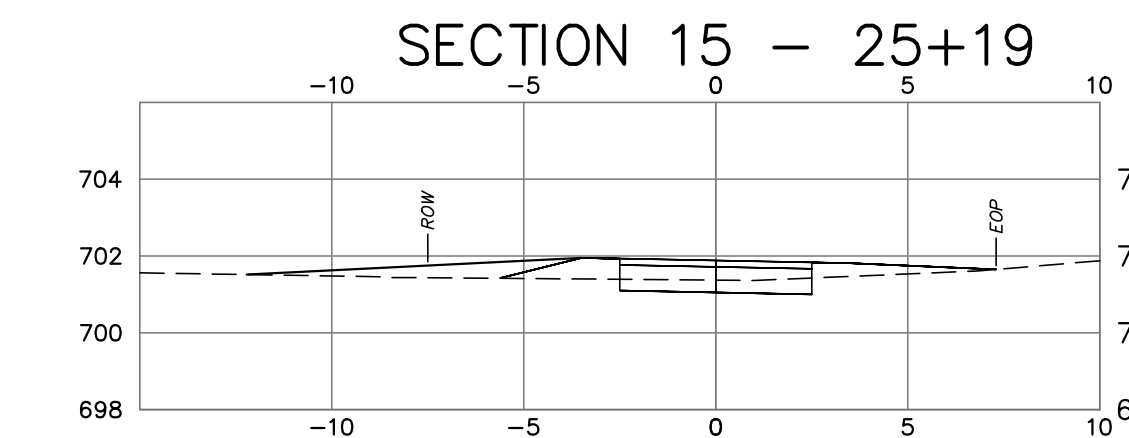
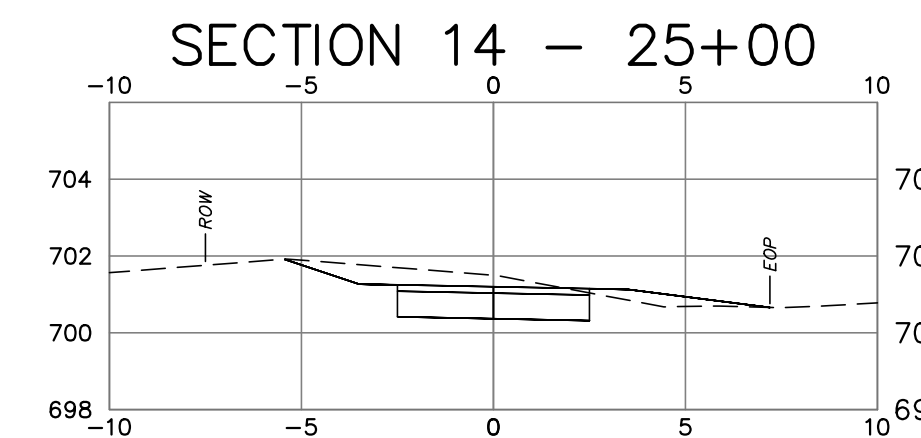
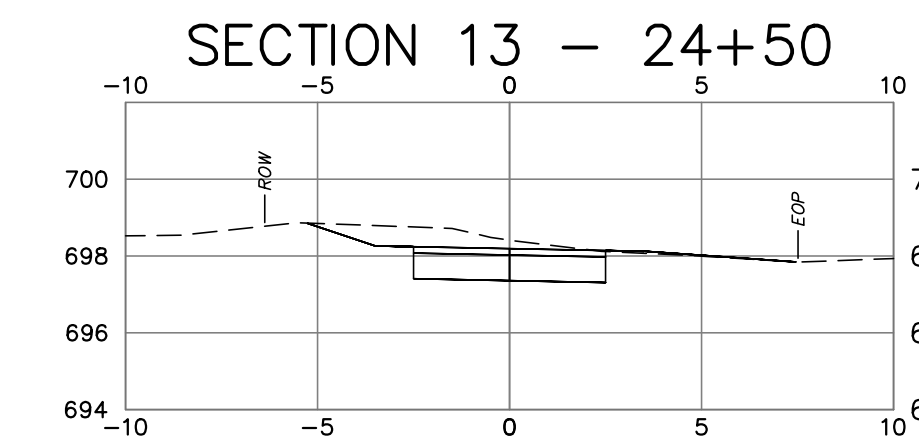
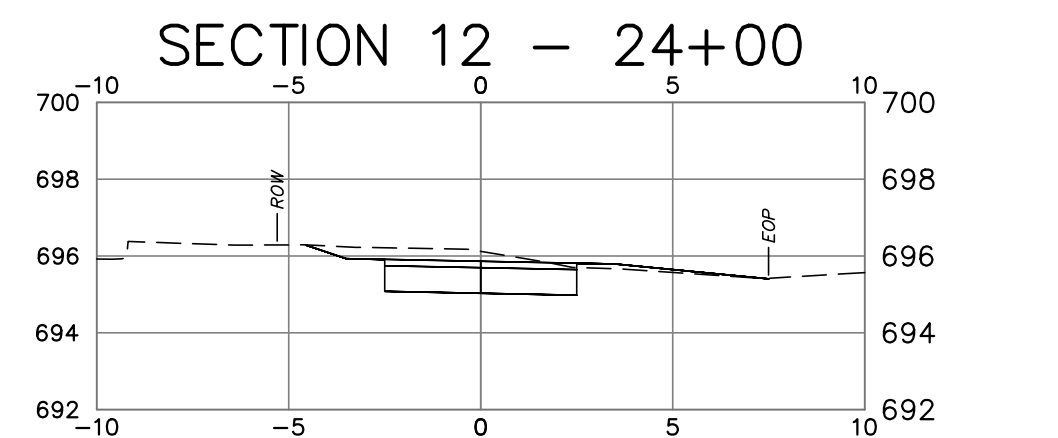
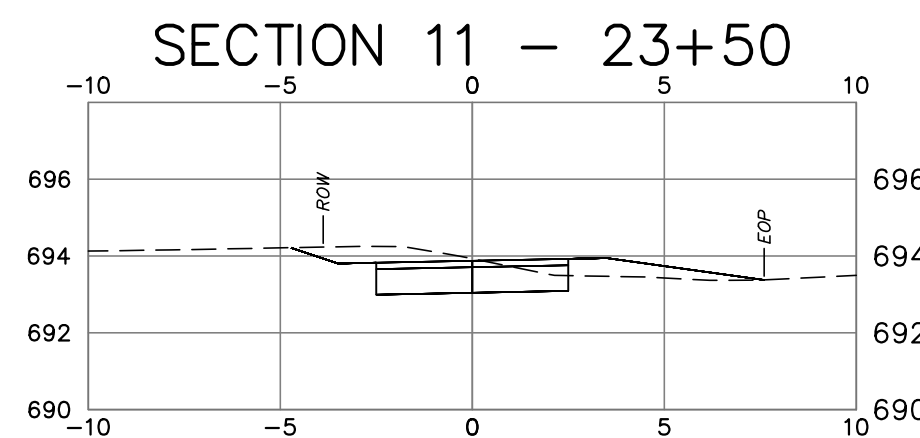
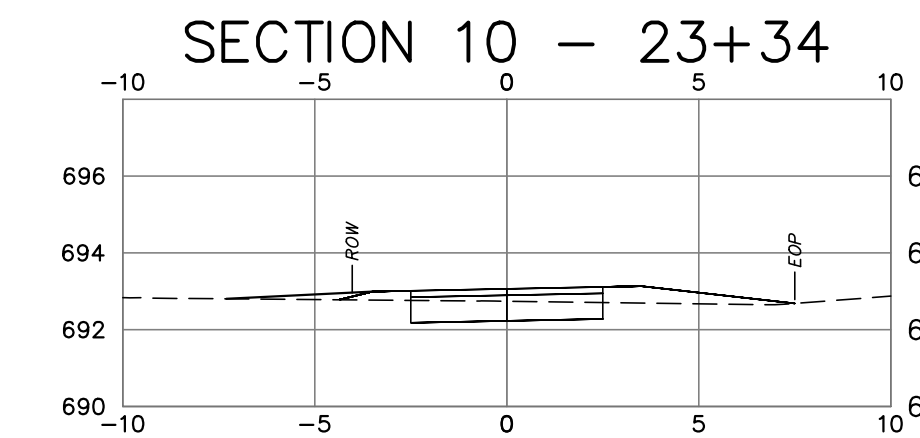
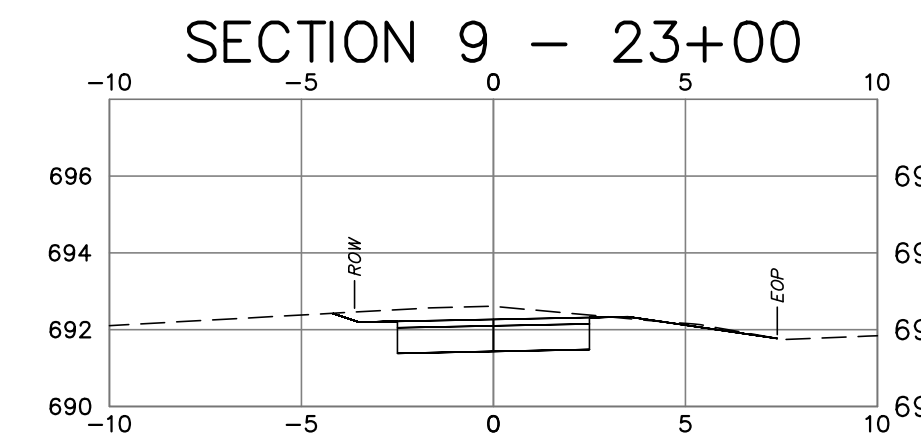
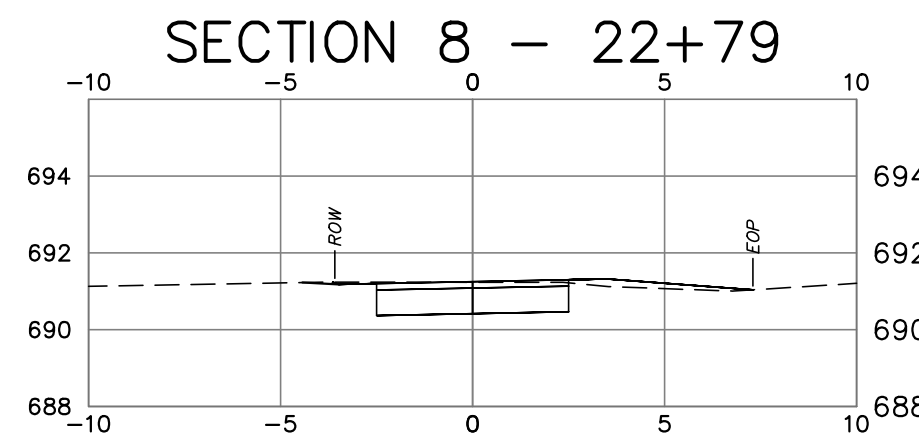
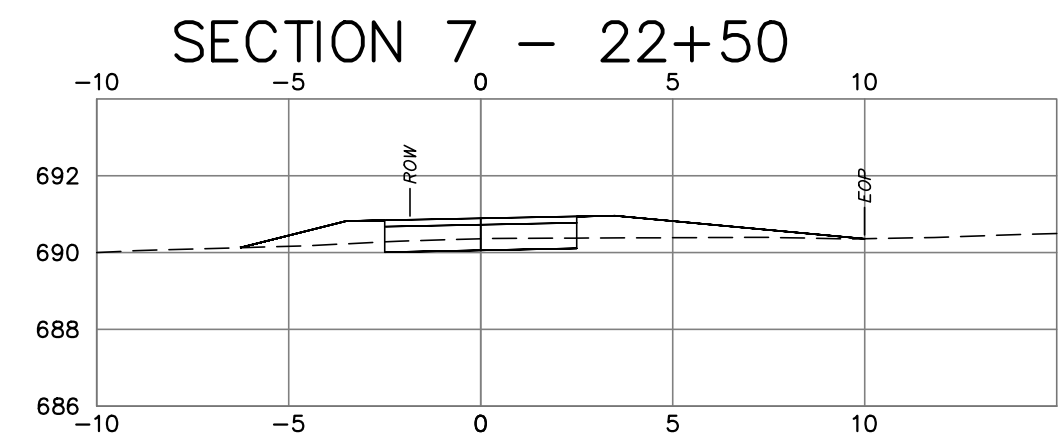
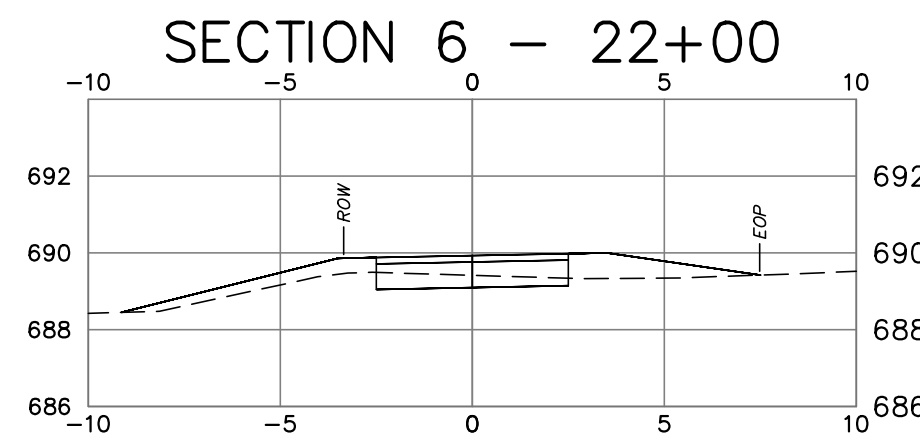
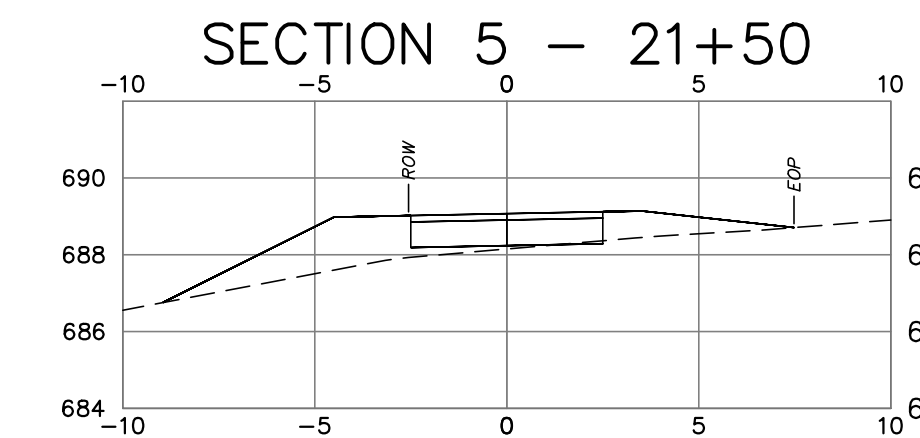
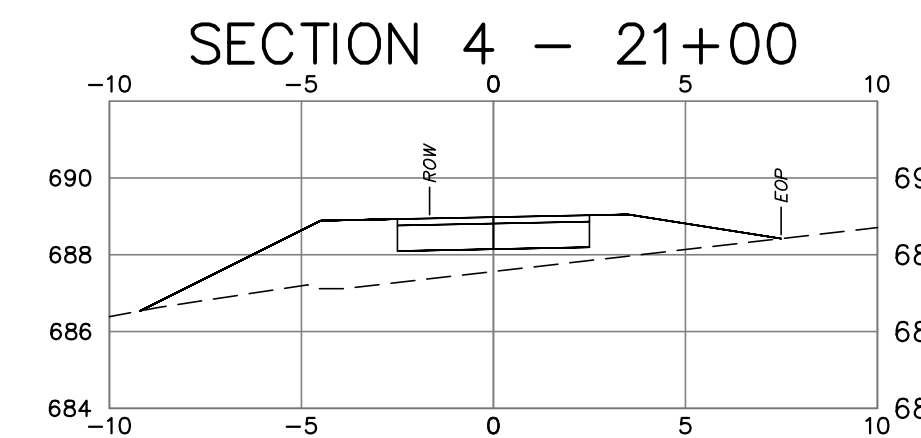
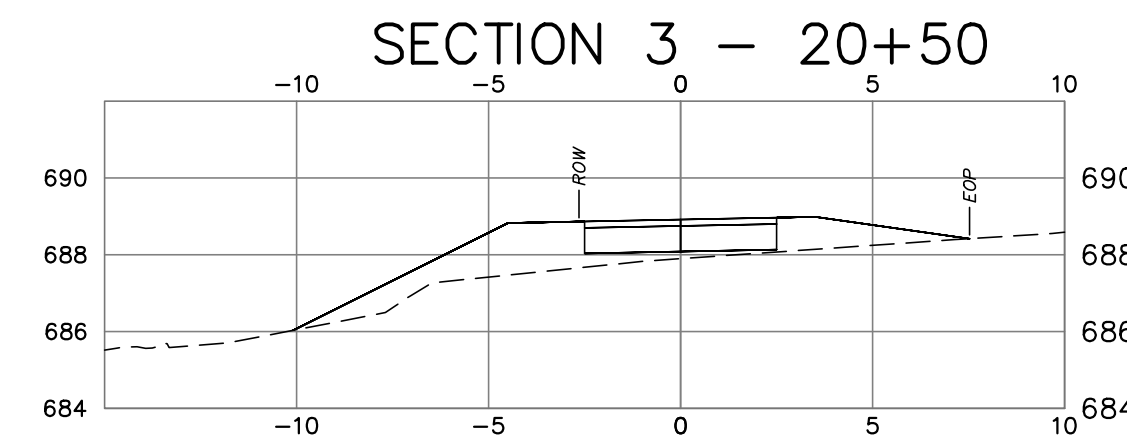
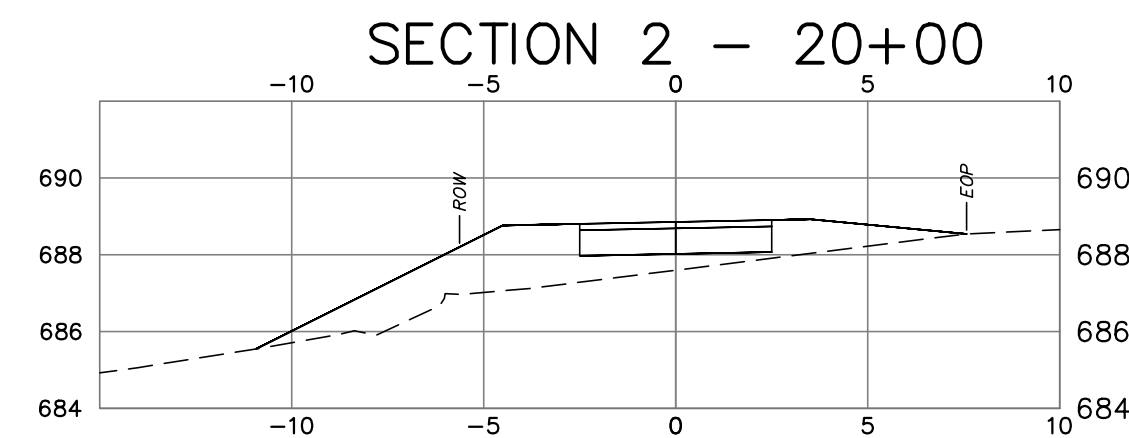
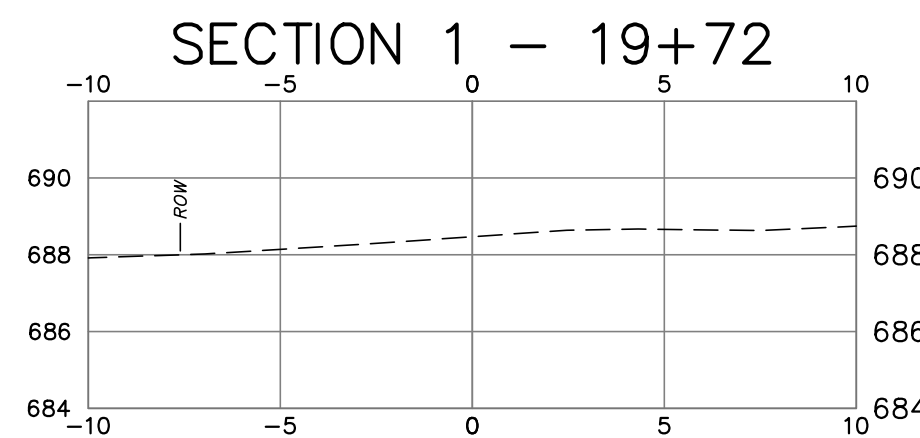
- SCHEDULE OF RIGHTS**
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 - (B) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
 - (C) RIGHT TO CONSTRUCT SIDEWALK REQUIRED
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 - (F) RIGHT TO INSTALL HANDRAIL REQUIRED



1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
FINAL DESIGN				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING WWW.HALEYWARD.COM		140 Willow Street Winsted, Connecticut 06098 860.379.6669		
PROJECT PHASE I - MAIN STREET SIDEWALK U.S. ROUTE 44 AND STATE ROUTE 41 TOWN OF SALISBURY, CT				
TITLE PLAN & PROFILE STA. 38+00 to STA. 43+00				
		DATE: January 27, 2026 SCALE: 1" = 20' DRAWN BY: JS/PJM DESIGNED BY: JS/PJM CHECKED BY: DNB PROJECT No.: 4010219.002 DRAWING No.: 05 REV: 1		

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REV	DATE	DESCRIPTION	BY	CHK

DRAWING ISSUE STATUS

FINAL DESIGN

140 Willow Street
Winsted, Connecticut 06098
860.379.6669

PROJECT

PHASE I - MAIN STREET SIDEWALK
U.S. ROUTE 44 AND STATE ROUTE 41
TOWN OF SALISBURY, CT

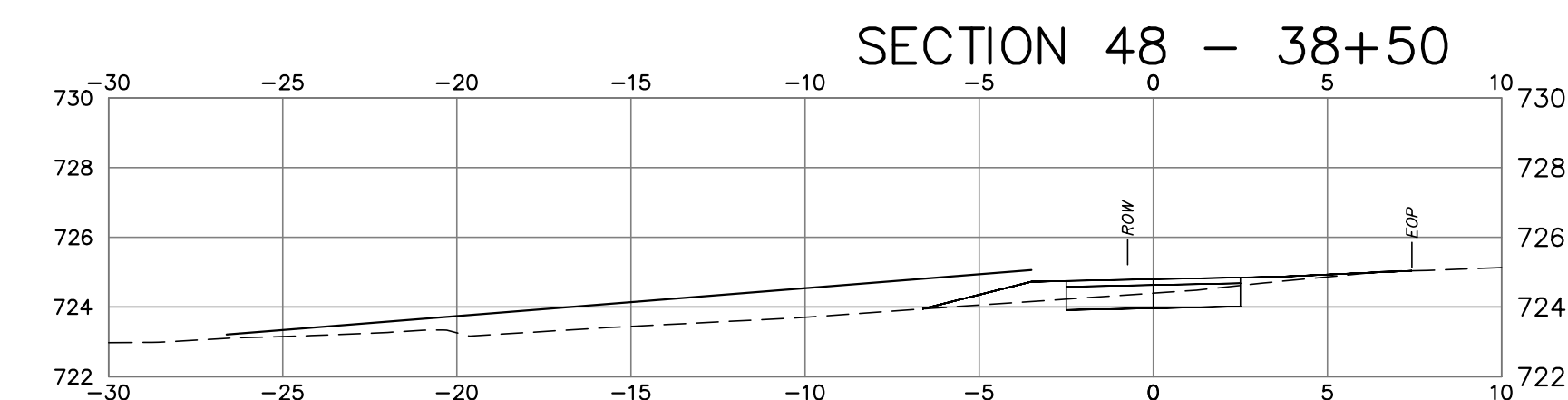
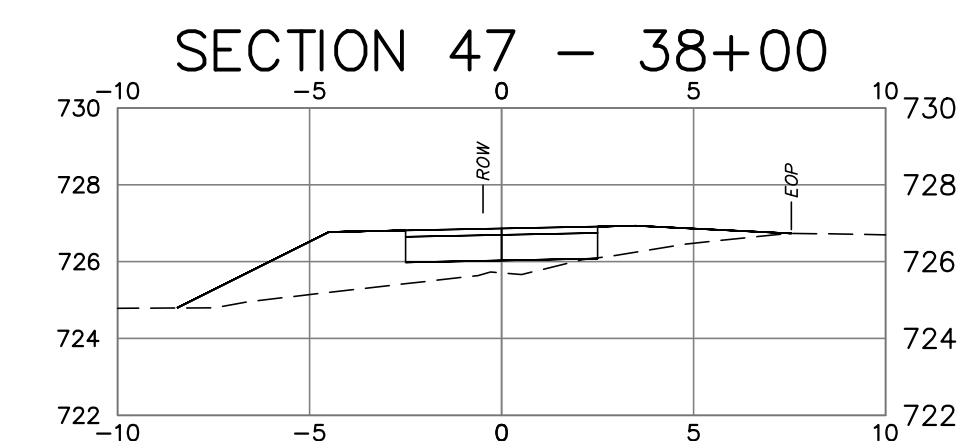
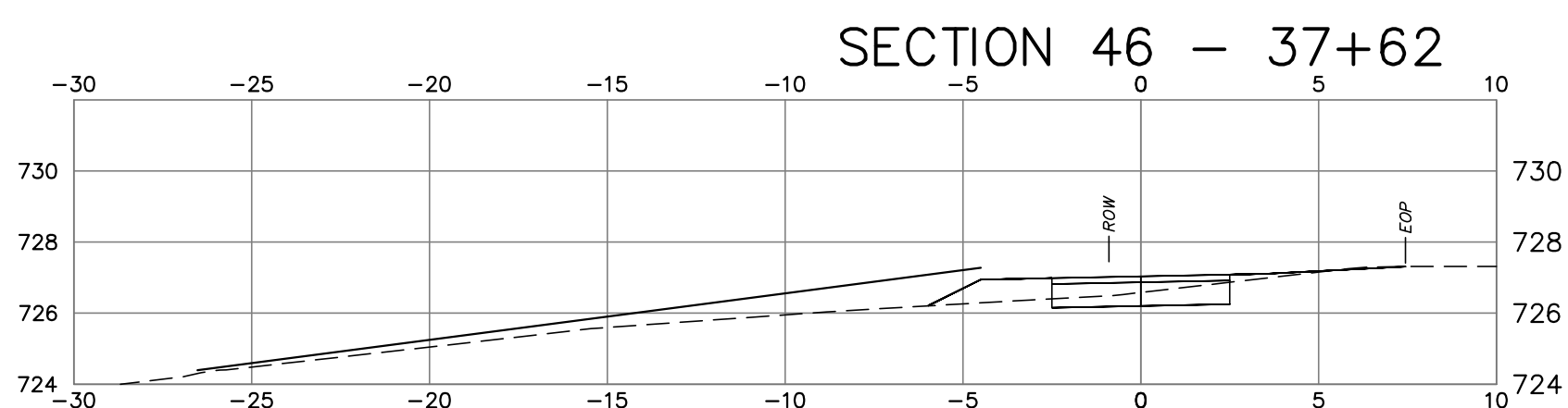
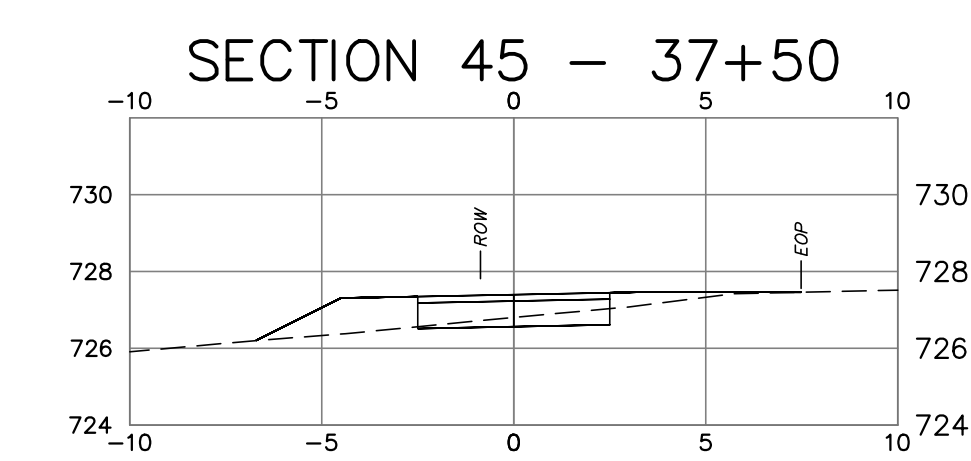
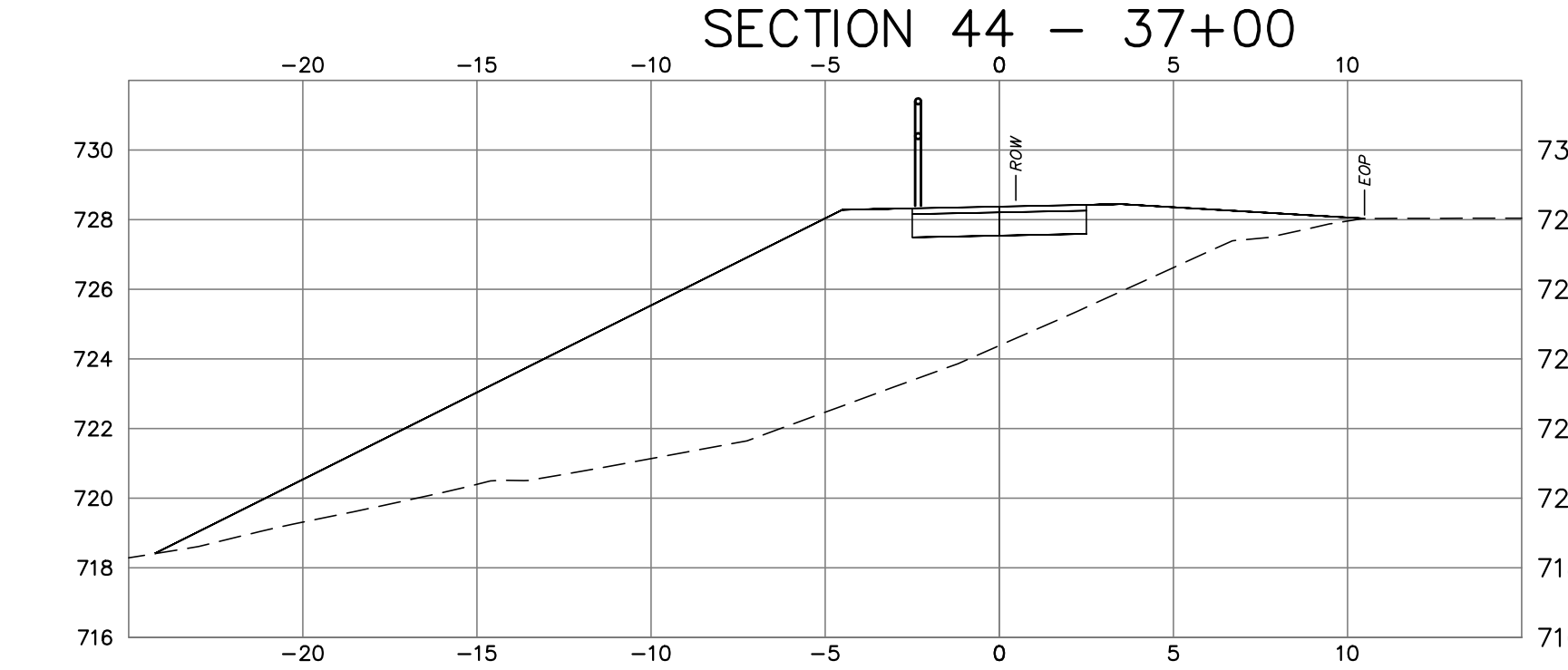
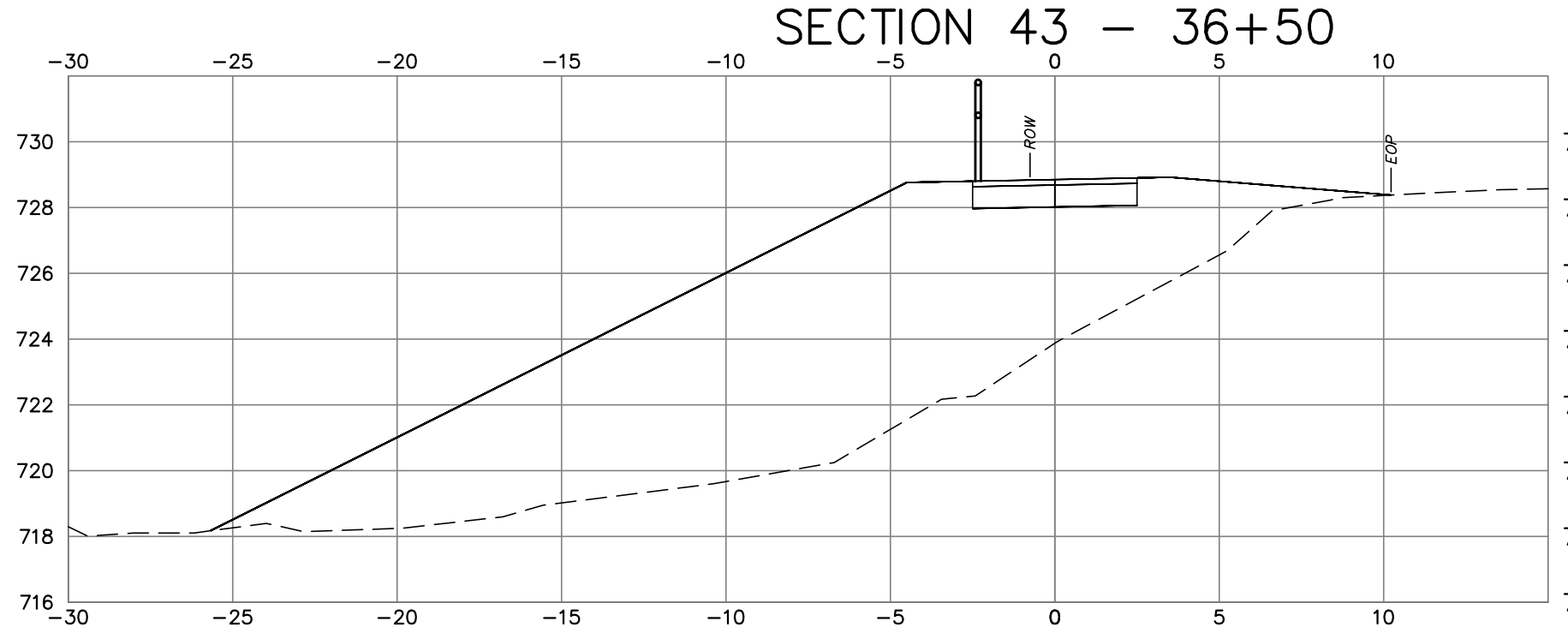
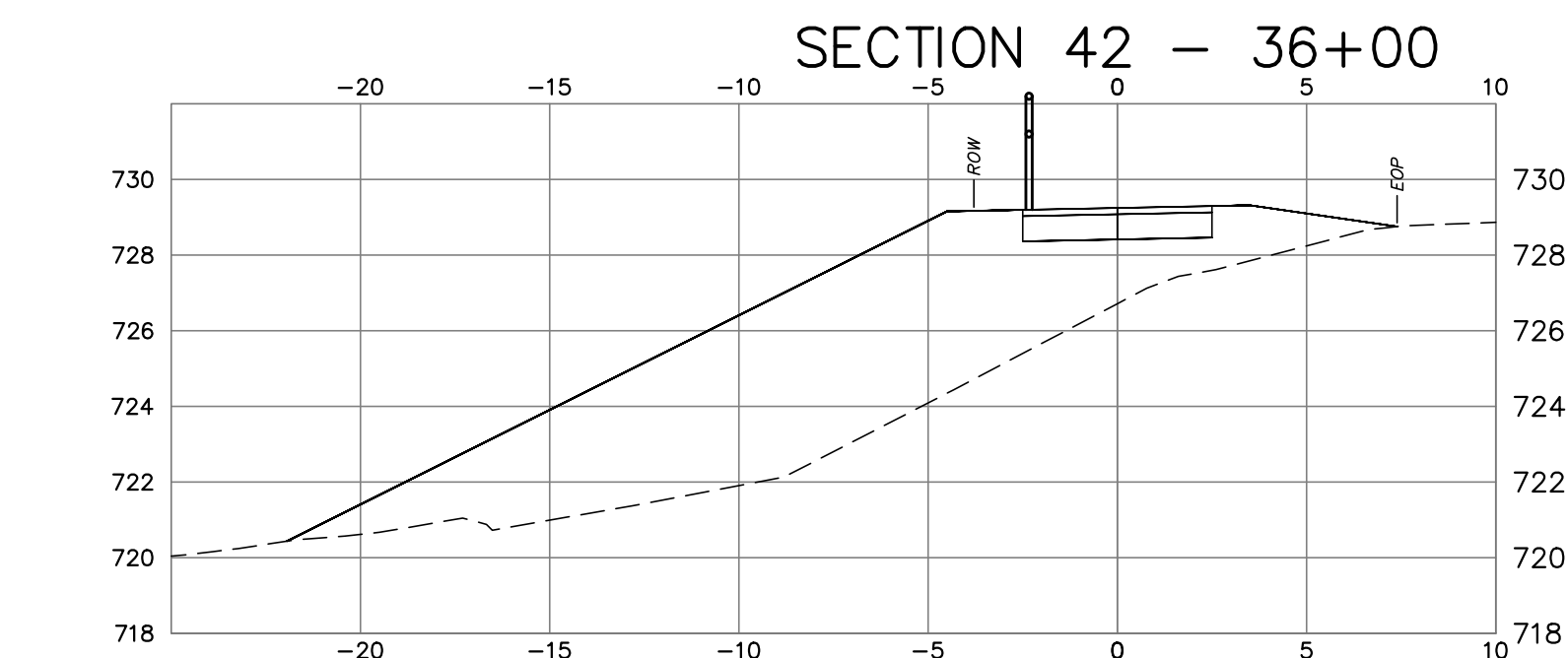
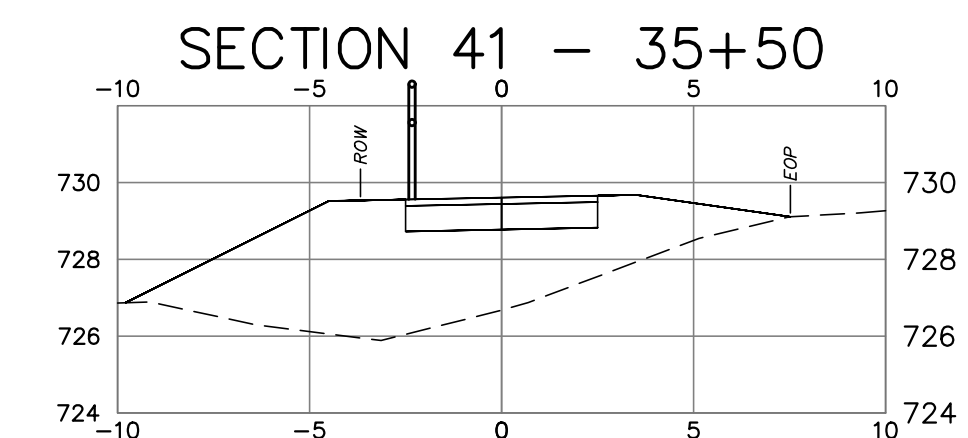
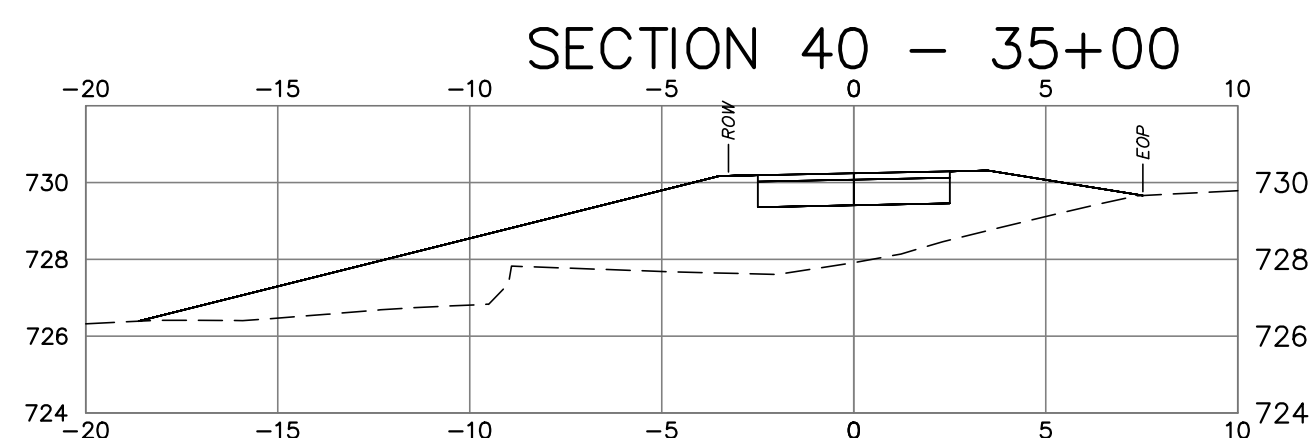
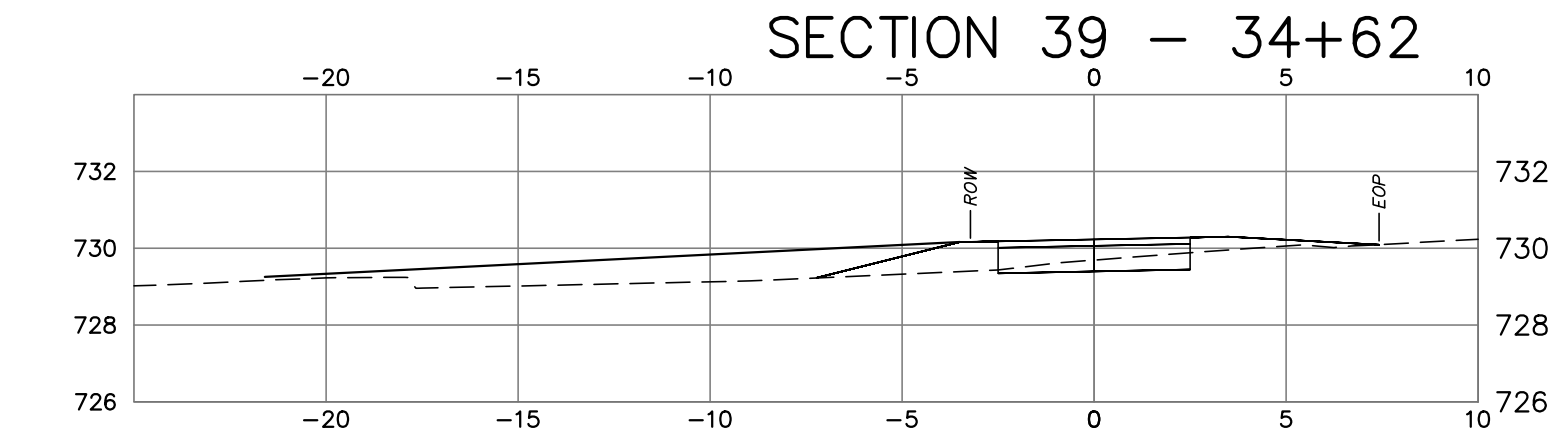
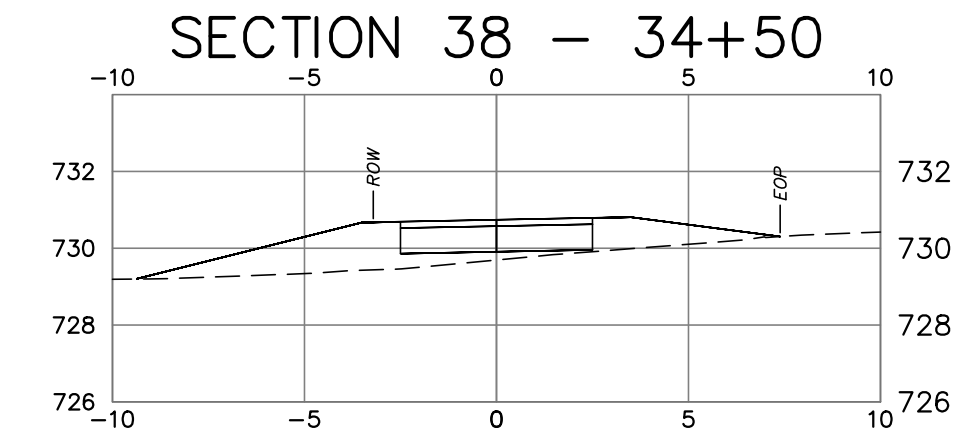
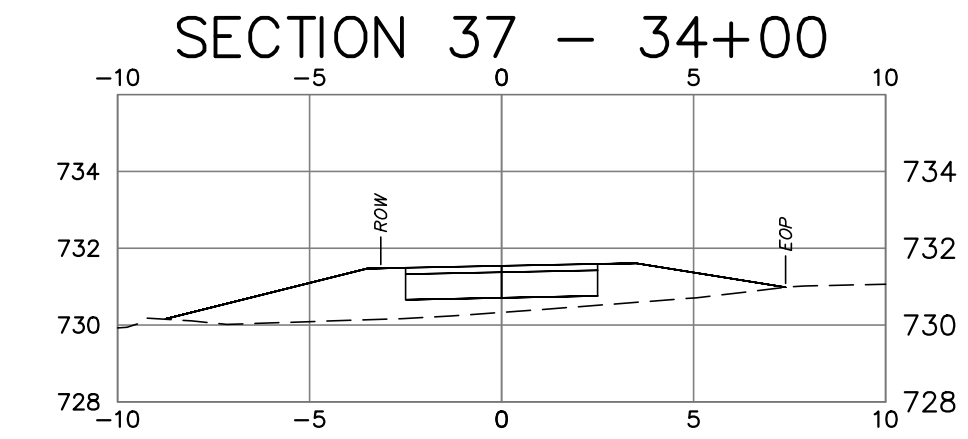
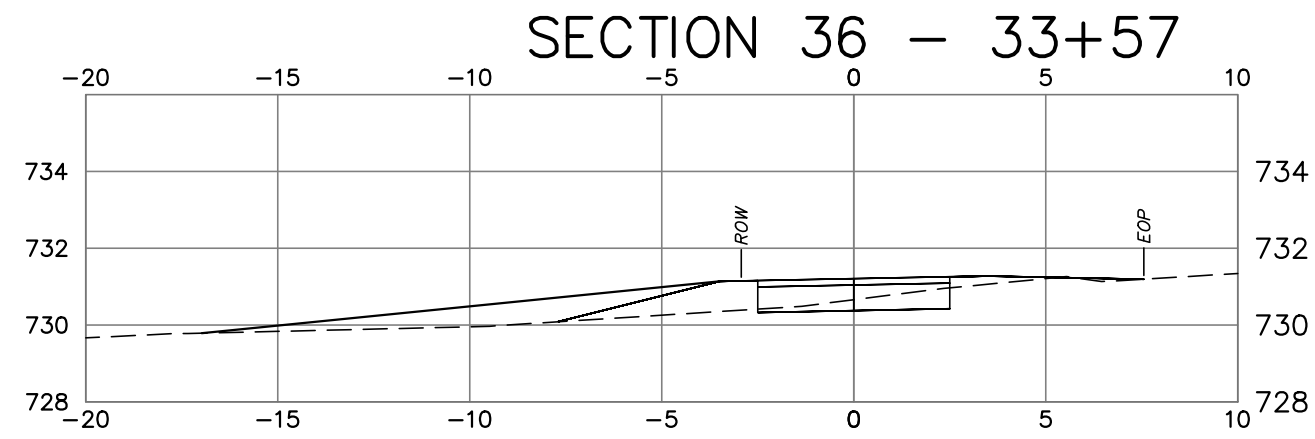
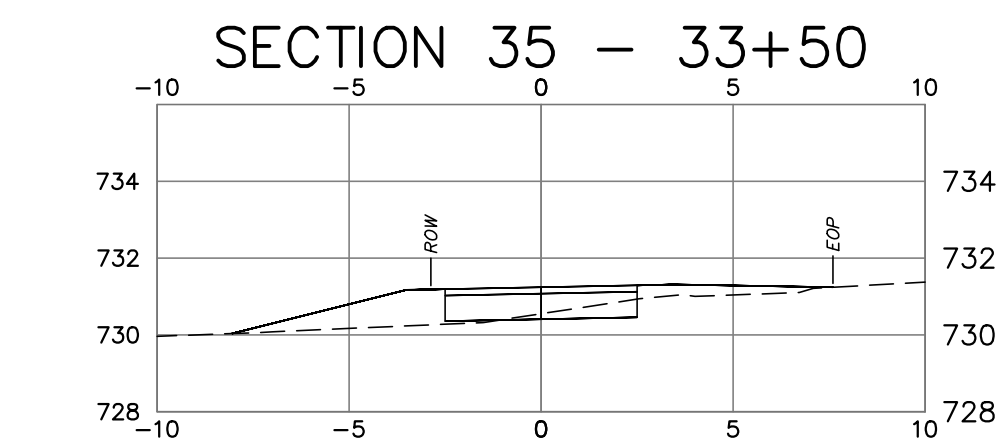
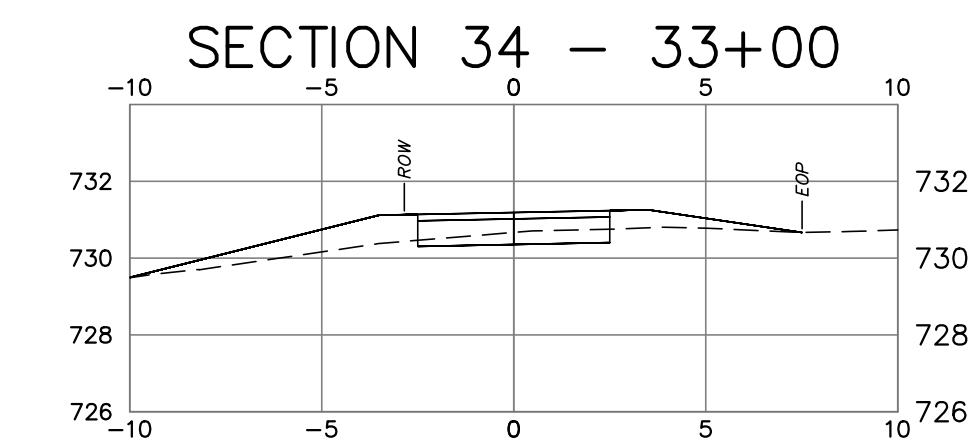
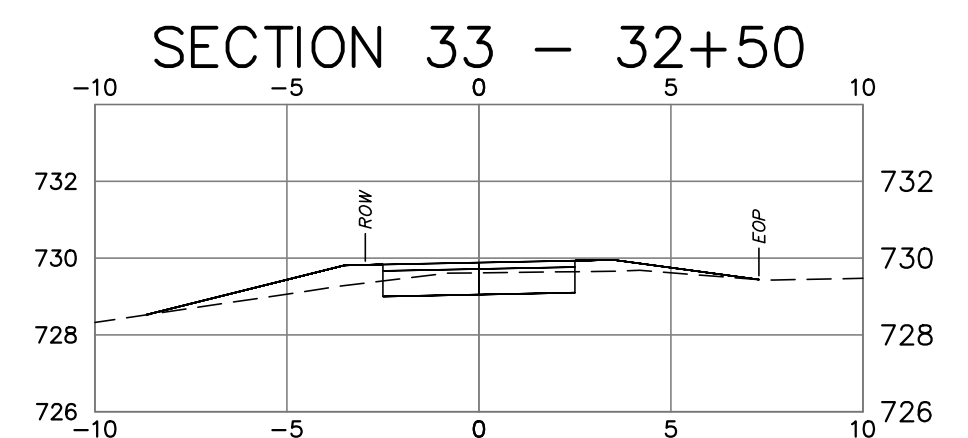
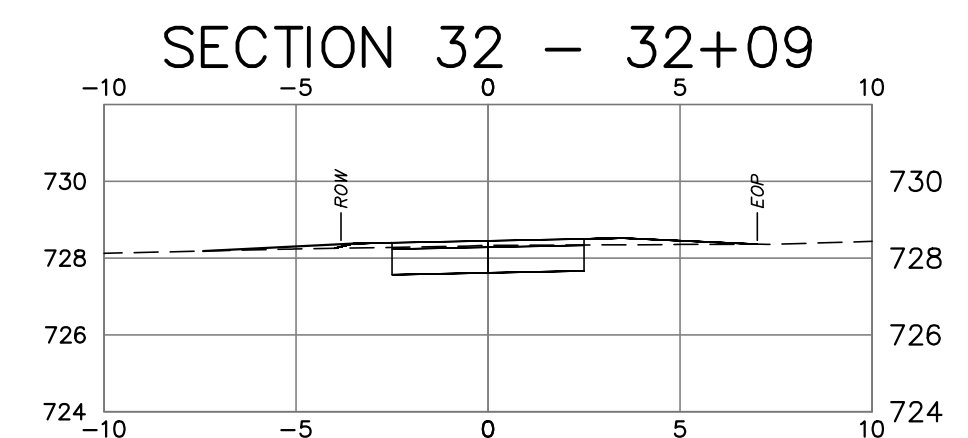
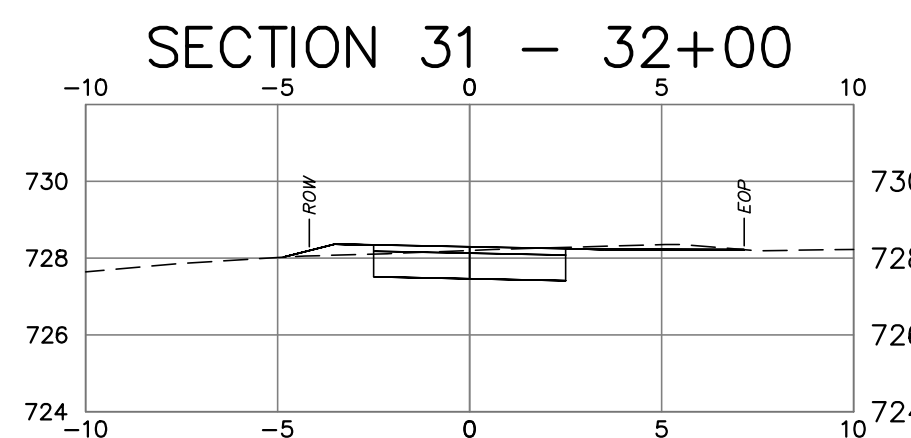
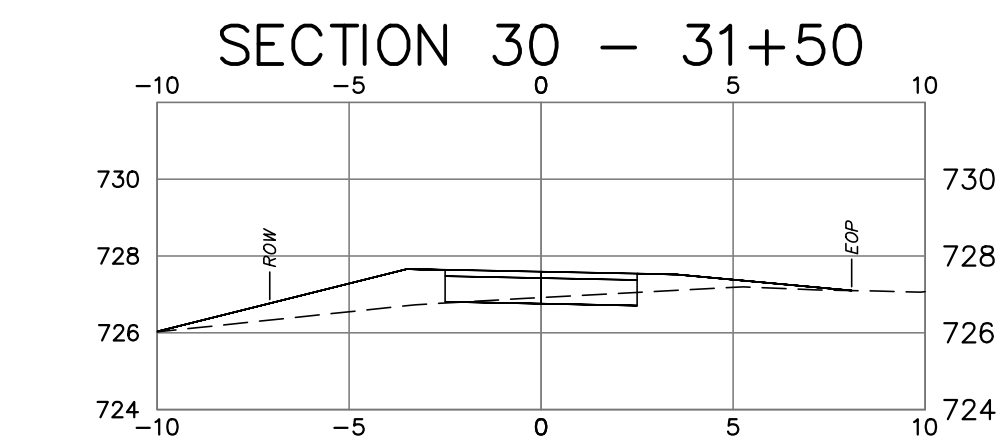
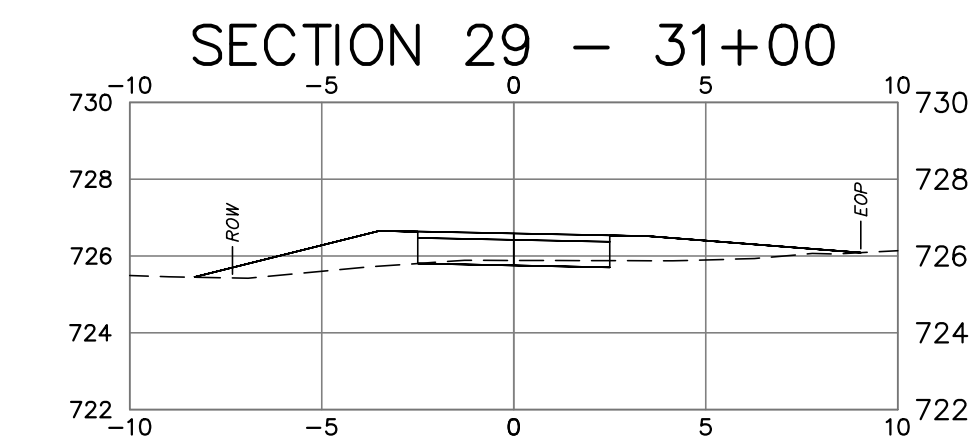
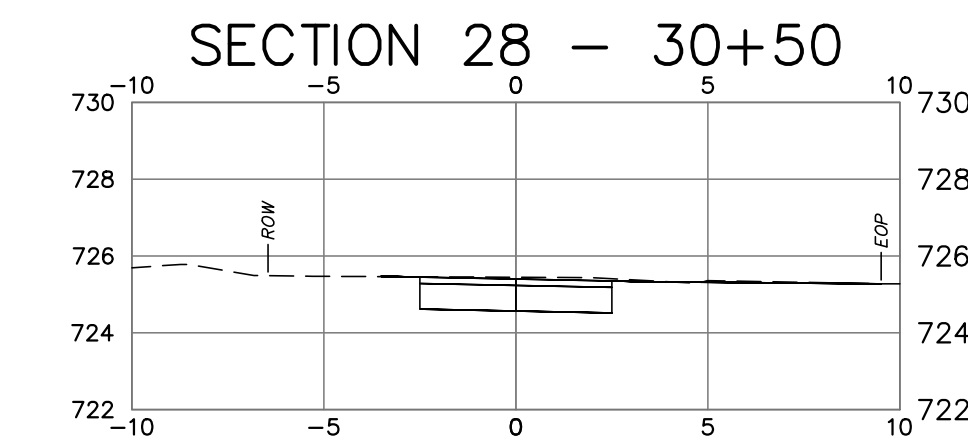
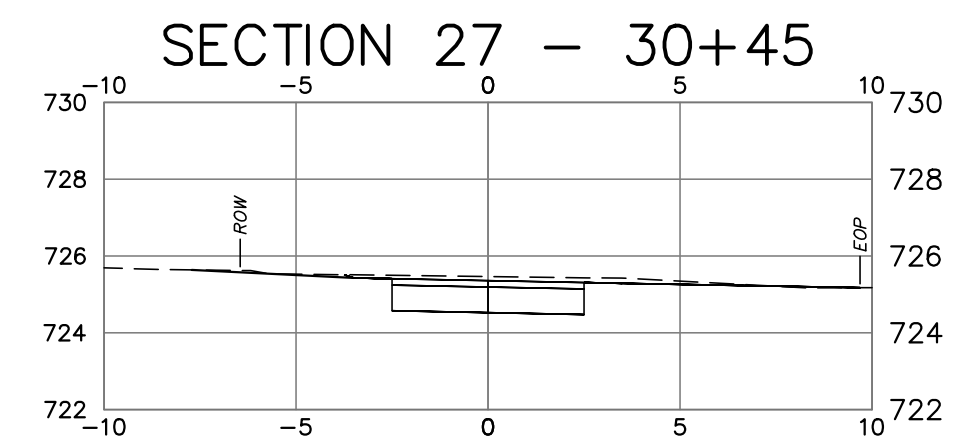
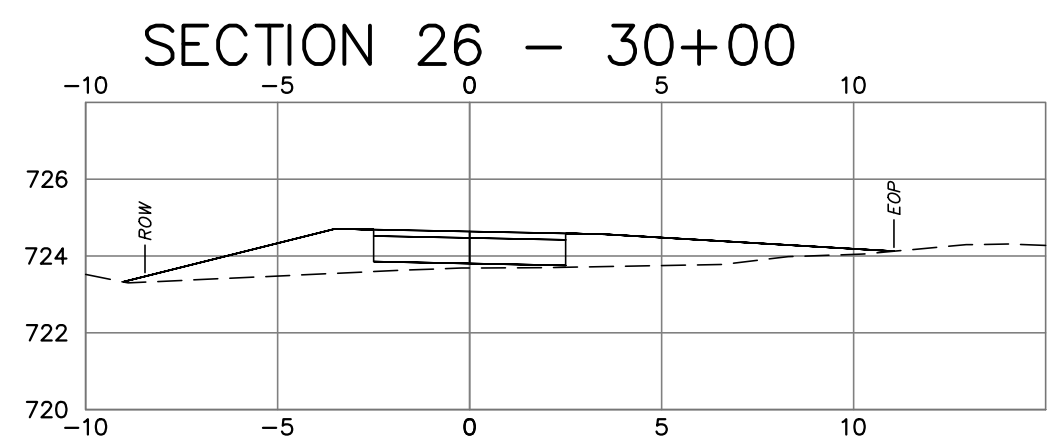
TITLE

CROSS SECTIONS
STA. 19+72 to STA. 29+50

DATE	January 27, 2026	SCALE	1"= 5'
DRAWN BY	JS/PJM	DESIGNED BY	JS/PJM
CHECKED BY	DNB	PROJECT No.	4010219.002
DRAWING No.	06	REV.	1



FILE LOCATION: P:\CT\10219 - TOWN OF SALISBURY\19.002 SIDEWALK DESIGN & PERMITTING - DMS02-CAD - FLEISHER STREET SIDEWALK PROJECT_WORKING_JAN.DWG, 2026.03.09, 10:48 AM



1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV	DATE	DESCRIPTION	BY	CHK

DRAWING ISSUE STATUS

FINAL DESIGN

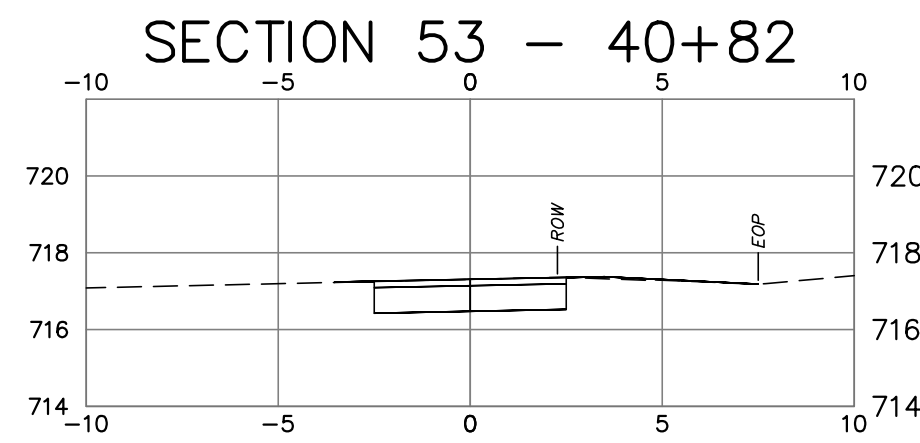
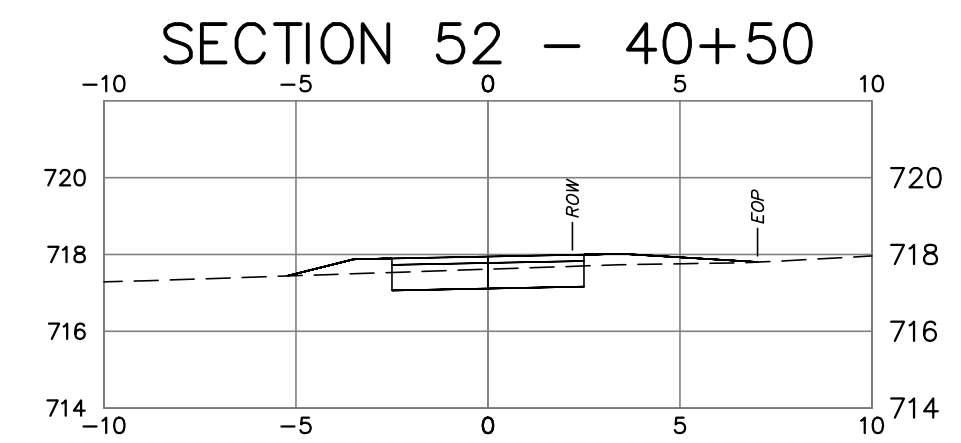
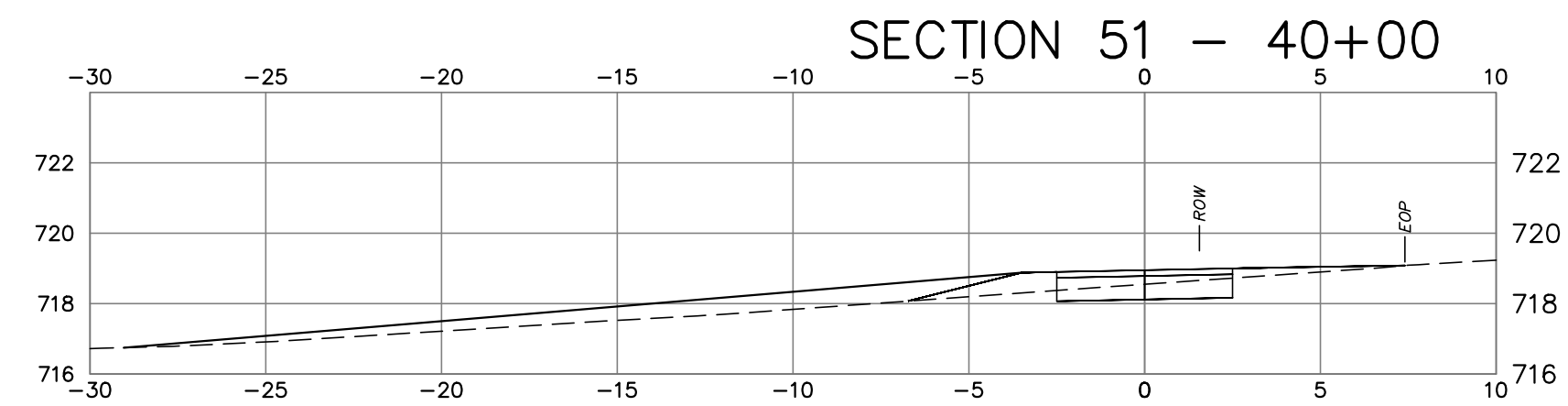
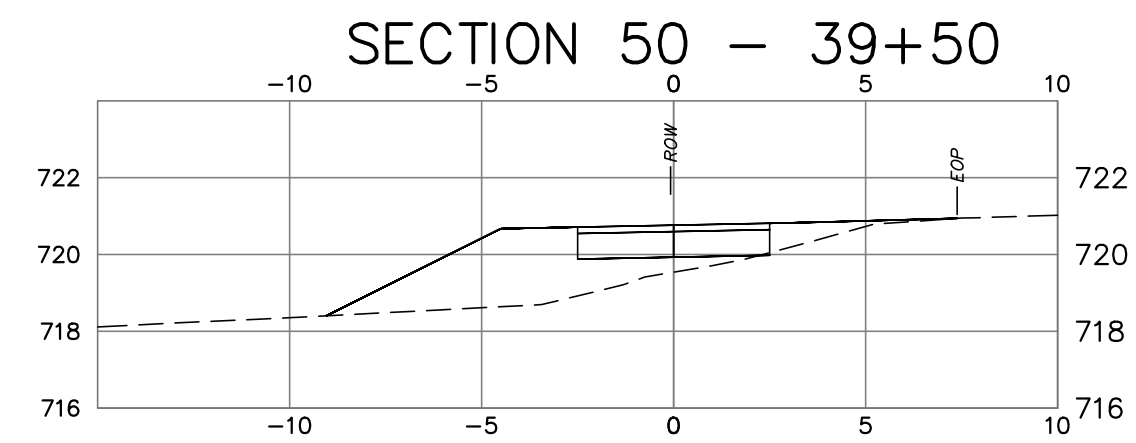
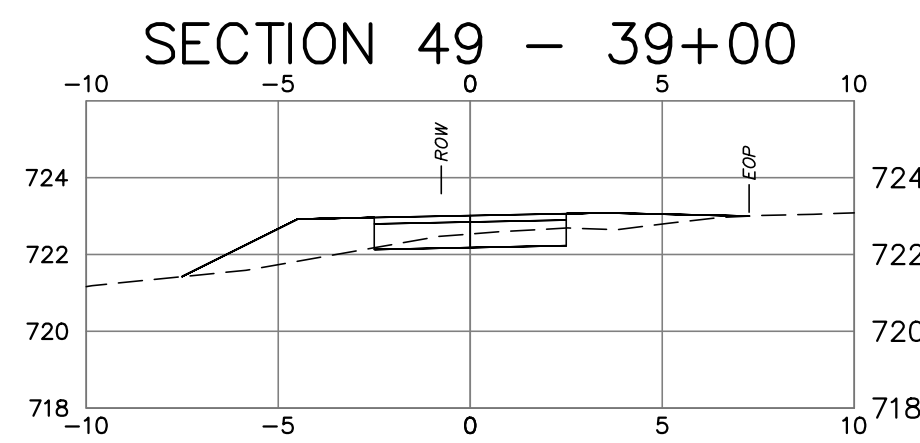
140 Willow Street
Winsted, Connecticut 06098
860.379.6669

PROJECT
PHASE I - MAIN STREET SIDEWALK
 U.S. ROUTE 44 AND STATE ROUTE 41
 TOWN OF SALISBURY, CT


TITLE
CROSS SECTIONS
 STA. 30+00 to STA. 38+50

DATE	January 27, 2026	SCALE	1"= 5'
DRAWN BY	JS/PJM	DESIGNED BY	JS/PJM
CHECKED BY	DNB	PROJECT No.	4010219.002
DRAWING No.	07	REV.	1





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REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
FINAL DESIGN				
		HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING		
WWW.HALEYWARD.COM		140 Willow Street Winsted, Connecticut 06098 860.379.6669		
PROJECT				
PHASE I - MAIN STREET SIDEWALK U.S. ROUTE 44 AND STATE ROUTE 41 TOWN OF SALISBURY, CT				
TITLE				
CROSS SECTIONS STA. 39+00 to STA. 40+82				
DATE		SCALE		
January 27, 2026		1" = 5'		
DRAWN BY	DESIGNED BY	CHECKED BY		
JS	JS	DNB		
PROJECT No.				
4010219.002				
DRAWING No.				REV.
08				1



SOIL EROSION AND SEDIMENT CONTROL PLAN NARRATIVE

1. INTRODUCTION AND PERMIT COMPLIANCE

Pursuant to Connecticut P.A. 83-388 and the Salisbury Zoning Regulations, this project requires a Soil Erosion and Sediment Control Plan and Narrative.

This narrative describes the minimum measures required to control soil erosion during and after construction of the sitework shown on this plan. The soil erosion and sediment control measures shown on this plan are designed in accordance with a document entitled "Connecticut Guidelines for Soil Erosion and Sediment Control" published by the Connecticut Council on Soil and Water Conservation in 2024. The Contractor may be required to implement additional measures to prevent site erosion and sedimentation of downstream waterways.

The Contractor shall obtain copies of, and comply with the conditions of all permits for this project.

The Contractor's activities and operations include all site work and work incidental to the project as depicted on the Contract Drawings. If any of the Contractor's activities require approvals above and beyond those already accounted for by the Owner's permits, the Contractor shall apply for and obtain such permits prior to conducting those operations. If incidental work such as haul roads, waste and disposal areas, staging areas, and field offices are not shown on the plans, and require additional erosion control, the Contractor shall provide such controls.

2. PROJECT DESCRIPTION AND SITE CHARACTERISTICS

The Town of Salisbury proposes to construct sidewalks along Phase I - Main Street (between 84 Main Street and Brook Street) The Main street phase begins just after The Salisbury Association property's driveway and extends 2,100 feet to its terminus at the Lakeville Hose Company at 4 Brook Street.

The proposed drainage improvements along Main Street include:

- A discharge pipe extension at station 20+40 (L)+/- to accommodate sidewalk grading
- An inlet pipe extension at station 26+30 (L)+/- to accommodate sidewalk grading
- Removal of a concrete endwall, replaced with a storm water manhole and discharge pipe extension at station 36+40 (L)+/- to accommodate sidewalk grading.

Prefomed scour holes have been designed at each discharge, to capture sediment and attenuate storm water flow.

3. CONSTRUCTION SEQUENCING

The Town of Salisbury proposes to construct sidewalks along U.S. Route 44 - Main Street over the course of a 180-day period during the 2026 or 2027 construction seasons. The Town anticipates the following construction sequence.

Note: Contractor shall maintain at least alternating one-way traffic through the construction zone during all construction operations.

Stage 1 - Drainage Improvements

- Place all perimeter erosion controls where shown on the plan.
- Complete clearing and grubbing activities associated with the proposed stormwater improvements at each location.
- Remove the concrete endwall at station 36+40 (L)+/-. Construct stormwater manhole, pipe extension, and riprap lined scour hole.
- Construct discharge pipe extension and riprap lined scour hole at station 20+40 (L)+/-.
- Construct inlet pipe extension with flared end at station 26+30 (L)+/-.

Stage 2 Sidewalk Construction

- Perform embankment grading.
- Prepare subgrade plane to receive compacted sidewalk base course.
- Place compacted sidewalk base course.
- Place bituminous concrete sidewalks.
- Place compacted driveway apron base course.
- Place bituminous concrete driveway aprons.
- Construct concrete ramps with detectable warning tiles at each driveway.
- Perform final grading of sidewalk embankments. Place topsoil, seed, and mulch. Place erosion-control matting on all areas subject to turf establishment.

Stage 3 - Final Operations

- Construct hand rail from Station 26+75+/- to Station 28+65+/-.
- Place topsoil, seed, and mulch in areas adjacent to driveway pavement and in any other un-stabilized areas throughout the site. Place erosion-control matting on all areas with turf-establishment that have slopes 3H:1V or steeper.
- Install object markers.
- Reset survey pins, road signs, and mailboxes.

4. RESPONSIBILITY

4.1 RESPONSIBILITIES OF OWNER/PERMITEE

The Owner/Permittee is The Town of Salisbury, 27 Main Street, Salisbury CT. First Selectman's Office - First Selectman Curtis Rand - Phone 860-435-5170. The Owner/Permittee shall:

- Provide the Contractor with copies of land-use permits that Owner has acquired.
- Inform all parties involved with the proposed work of this plan's objectives and requirements.

4.2 RESPONSIBILITIES OF CONTRACTOR

The Contractor has not been selected at the time of permit application. The Contractor is responsible for preventing erosion of the site.

The Contractor shall:

- Install, monitor, and maintain the soil erosion and sediment control measures as shown on this plan.
- Comply with all permit requirements.
- Provide the Owner, Engineer, and the municipality with 24 hour phone numbers in the event of an emergency at the site.

5. PRECONSTRUCTION CONFERENCE

The Owner will conduct a preconstruction meeting with the Contractor, Engineer, and the Wetlands Enforcement Agent to review the proposed soil erosion and sediment control measures, construction sequence, and other factors required to prevent project-related sediment from reaching near by wetlands or waterways.

6. DESCRIPTION AND MAINTENANCE OF EROSION CONTROL MEASURES

6.1 TEMPORARY STABILIZATION MEASURES

Temporary Grass Cover:

Depending on conditions at time of surface restoration, Contractor may elect to plant temporary grass cover and defer final seeding to the spring of 2027. Contractor shall loosen the soil to a depth of two inches before seeding. If existing soil is not capable of growing grass, the Contractor shall spread at least two inches of topsoil over the loosened surface. If seeding commences during late autumn, the winter ryegrass seed shall be used. Seeding rates shall be 5 lbs./1000 sq. ft. Hay mulch shall be spread at the rate of 100 lbs./1000 sq. ft. and Contractor shall protect mulch and seed with stapled jute mesh or erosion control matting as stipulated below. Contractor shall irrigate the grass until an acceptable stand of grass is established.

Silt Fence:

Install silt fence as shown on the plans and details. Embed the silt fence into the ground and firmly anchor it as shown in the details. Remove sediment once levels have reached 1/4 of the effective fence-height. Repair and/or replace silt fence immediately if damaged or deteriorated.

Filter Sock:

Install an erosion control filter sock of the size shown in the Contract Drawings. Remove surface rocks or other obstacles that prevent close contact with the ground surface and firmly stake it as shown on the details. Remove sediment once levels have reached 1/4 the effective barrier height. Repair and/or replace the barrier immediately if damaged or deteriorated. Stake filter sock at intervals recommended by manufacturer, but not less than four feet. For filter sock less than 12 inches, install in a shallow excavation. Where filter sock is not continuous, overlap sections by three feet minimum.

Silt Sacks:

Install a silt sack in the catch basin where shown on the plans. Install in accordance with manufacturer's instructions. Remove and empty according to manufacturer's instructions.

Stockpiling or Storage of Excavated Materials:

Completely surround all temporary (2-4 weeks) material stockpiles with haybales or silt fence to prevent transportation of sediment. Seed stockpiles that will remain for a longer duration with a quick-growing rye grass.

Erosion Control Matting:

Install erosion control matting on all areas disturbed by construction activities. Contractor shall select a fabric from the Connecticut Department of Transportation's Qualified Product List. The fabric shall meet the requirements of Class 1 Type D Slope Protection for all areas. Contractor shall maintain the fabric until a durable stand of grass is established.

Tree Protection:

The Owner will select trees or groups of trees to remain prior to construction. The Contractor shall provide snow fencing, board fencing, or cord fencing around trees or groups of trees to protect them against damage. The Contractor shall be responsible for selecting and installing the protection measures most appropriate for the conditions present. The Contractor shall repair and/or replace tree protection measures immediately if damaged during construction. The Contractor shall engage a licensed arborist to be present when installing sidewalks in the vicinity of trees that are to remain.

Strawbale Barrier (SB):

Install strawbale barriers as shown on the plans and details. Embed the strawbale barriers into the ground, pack them tightly together, and firmly stake them, as shown on the details. Remove sediment once levels have reached 1/4 of the effective bale-height. Repair and/or replace the strawbales immediately, if damaged or deteriorated.

6.2 PERMANENT STABILIZATION MEASURES

Site Restoration:

Contractor shall be responsible for restoration of all unpaved areas following completion of the project. Restoration shall include the furnishing, placement, and shaping of topsoil and the establishment of a firm stand of turf. At a minimum, Contractor shall restore unpaved areas to the limits indicated on the Contract Drawings; however the limits shall be extended to include any portion of unpaved areas damaged inadvertently or for Contractor's convenience.

Contractor shall furnish, place, and shape topsoil, to a minimum depth of four inches, in all areas disturbed by construction. Final grade of topsoil shall match existing grade at adjacent areas and shall be shaped to a smooth contour. Topsoil material shall conform to requirements of ConnDOT Form 819, Article M.13.01 - Item 1 (Topsoil).

Following placement of topsoil, contractor shall provide an accepted, uniform stand of established perennial turf grasses by furnishing and placing fertilizer, seed, and mulch on all areas to be treated as shown on the plans or where designated by Engineer.

- Seed shall meet the requirements of ConnDOT Form 819, Article M.13.04.
- Fertilizer shall meet the requirements of ConnDOT Form 819, Article M.13.03.
- Mulch shall be wood fiber, or straw and shall meet the requirements of ConnDOT Form 819, Article M.13.05.
- Erosion control matting shall conform to the requirements specified above.

Construction Methods for turf establishment shall conform to the following requirements:

1. Surface Preparation:

A. Level areas and lawns shall be made friable and receptive for seeding by disking or by other approved methods to the satisfaction of Engineer. All disturbed soil areas brought to final grade shall be seeded within 7 days, or as directed by Engineer, in accordance with these specifications. In all cases, the final prepared and seeded soil surface shall meet the lines and grades for such surface as shown in the plans, or as directed by Engineer.

B. Slopes and Embankment Areas: These areas shall be made friable and receptive to seeding by disking or by other approved methods which will not disrupt the line and grade of the slope surface. In no event will seeding be permitted on hard or crusted soil surface.

C. Seeding shall not be permitted until all weed growth is removed.

2. **Seeding Season:** The optimal calendar dates for seeding are: Spring (March 15 to June 30) and Fall (August 15 to October 31). All disturbed soil areas at final grade shall be seeded within 7 days or as directed by Engineer, in accordance with these specifications. Any seeding outside the optimal dates shall be performed in the same manner. Since acceptable turf establishment is less likely, Contractor shall be responsible for reseeded until the turf stand conforms to the requirements of ConnDOT Form 819, Article 9.50.03-5.

3. **Sowing Methods:** The Contractor shall sow the grass seed mixture using traditional methods or hydro-seeding.

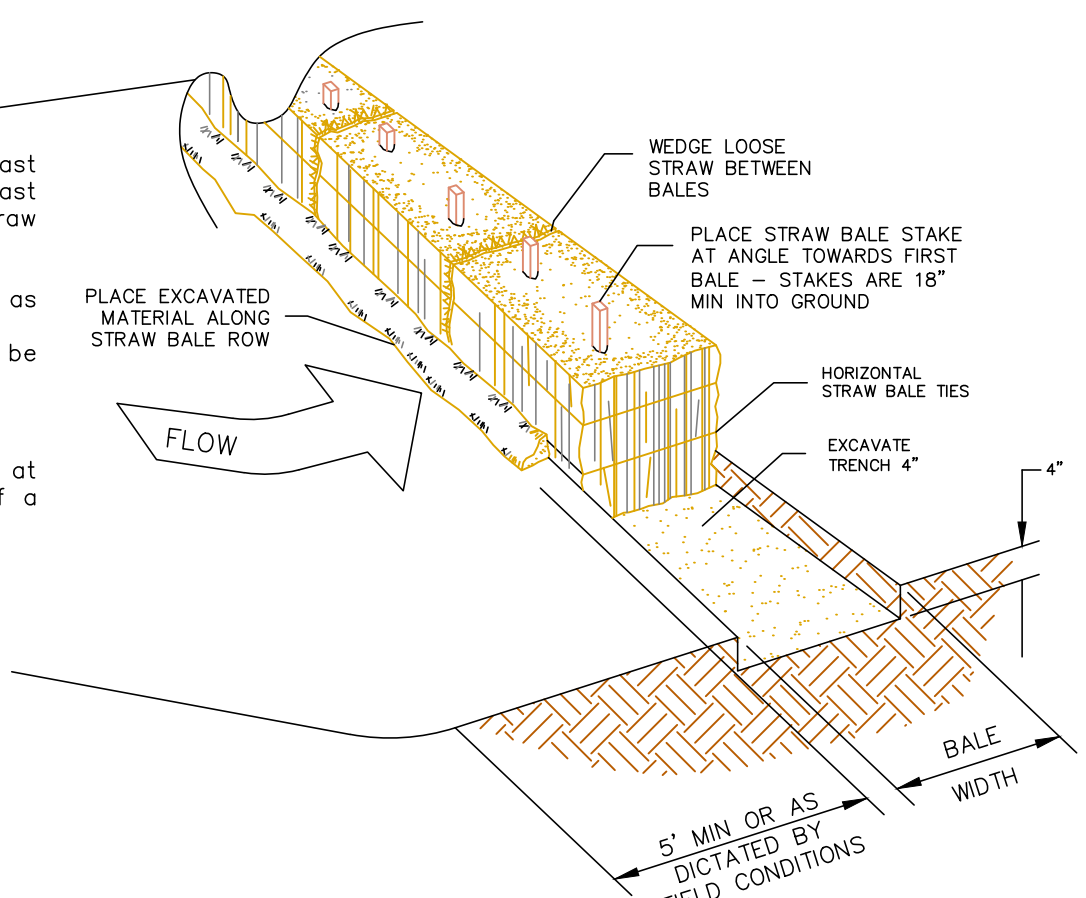
A. **Sowing by Traditional Methods:** The rate of seed application shall be no less than 175 lbs./acre. Fertilizer shall be initially applied at a rate of 320 lbs./acre during or preceding seeding. When wood fiber mulch is used, it shall be applied in water slurry at a rate of 2,000 lbs./acre with, or immediately after the application of seed, fertilizer, and limestone (if limestone is required). Tackifier may be used with straw mulch as proposed by Contractor. When the grass seeding growth has attained a height of 6 inches, the specified grass areas (mowed and un-mowed) shall receive a uniform application of fertilizer hydraulically placed at the rate of 320 lbs./acre

B. **Sowing by Hydro-seeding:** If hydro-seeding is proposed, Contractor shall furnish a hydro-seeding Plan for Engineer's acceptance two weeks prior to the start of this work. The hydro-seeding plan shall include the following:

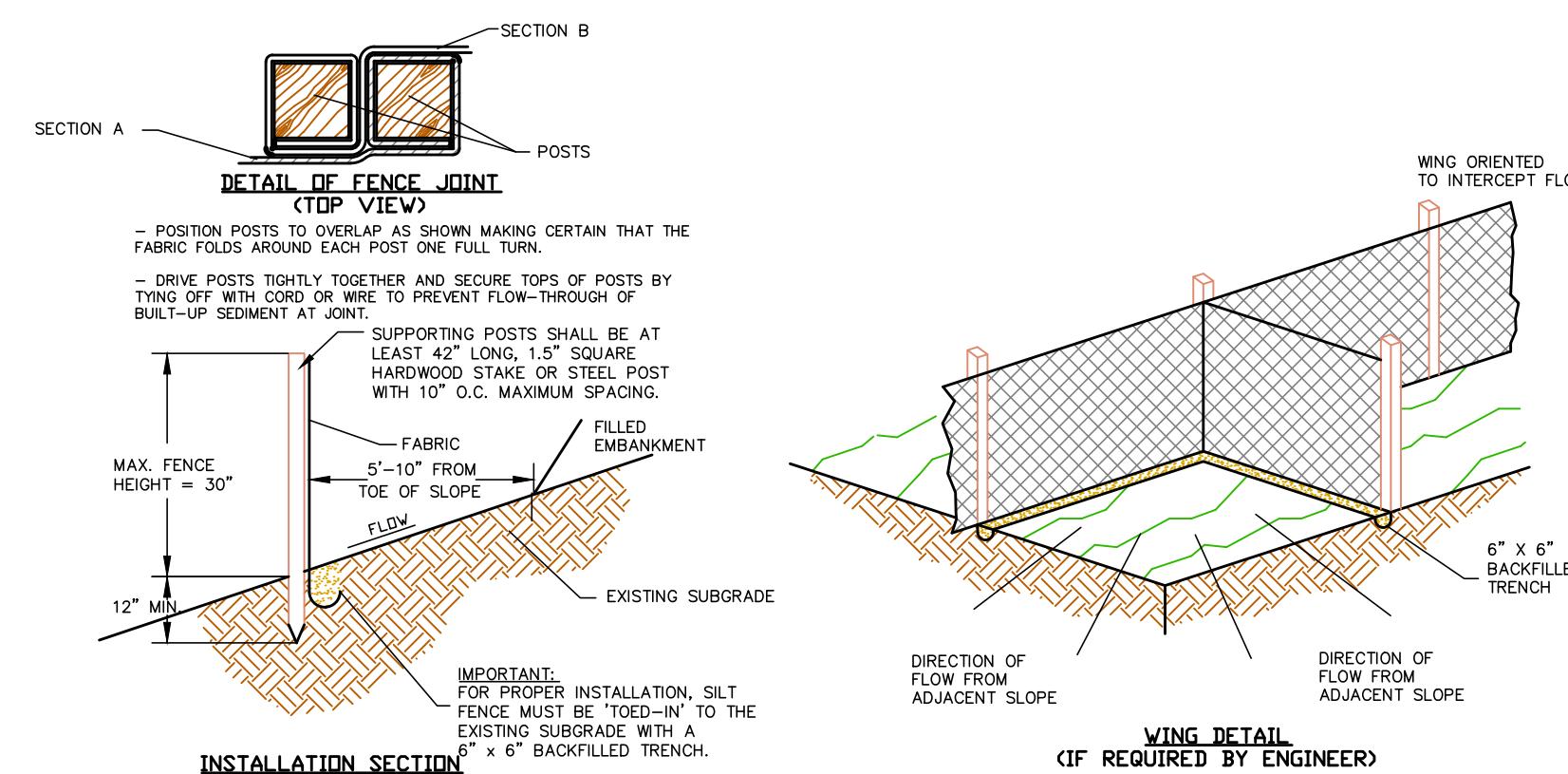
- Proposed manufacturer and copy of the manufacturer's recommended application rates for various grades and hose angles of application, the site's soil type(s) and expected weather conditions.
- Number of square feet of seeding that can be covered with the quantity of solution per hydro-seeder.
- Time between mixing of slurry and seed in hydro seeding tank and application.
- Type of hydro seed machine including nozzle type and automation information if applicable. If the Hydro-seeding Plan is accepted for use, deviation from ConnDOT Form 819, Article 9.50.03-1 (Surface Preparation) will not be allowed. Hydro-seeding shall not be used if the extended weather patterns are hot and dry and the soil surface is dry and dusty, unless Contractor's submission addresses application of straw or hay mulch and addresses follow up maintenance (i.e. additional watering) for "drought conditions." The hydro seed tank and hoses(s) shall be completely flushed and cleaned each day before seeding is to be started, and shall also be thoroughly flushed of all residue after application to every 10 acres.

NOTES:

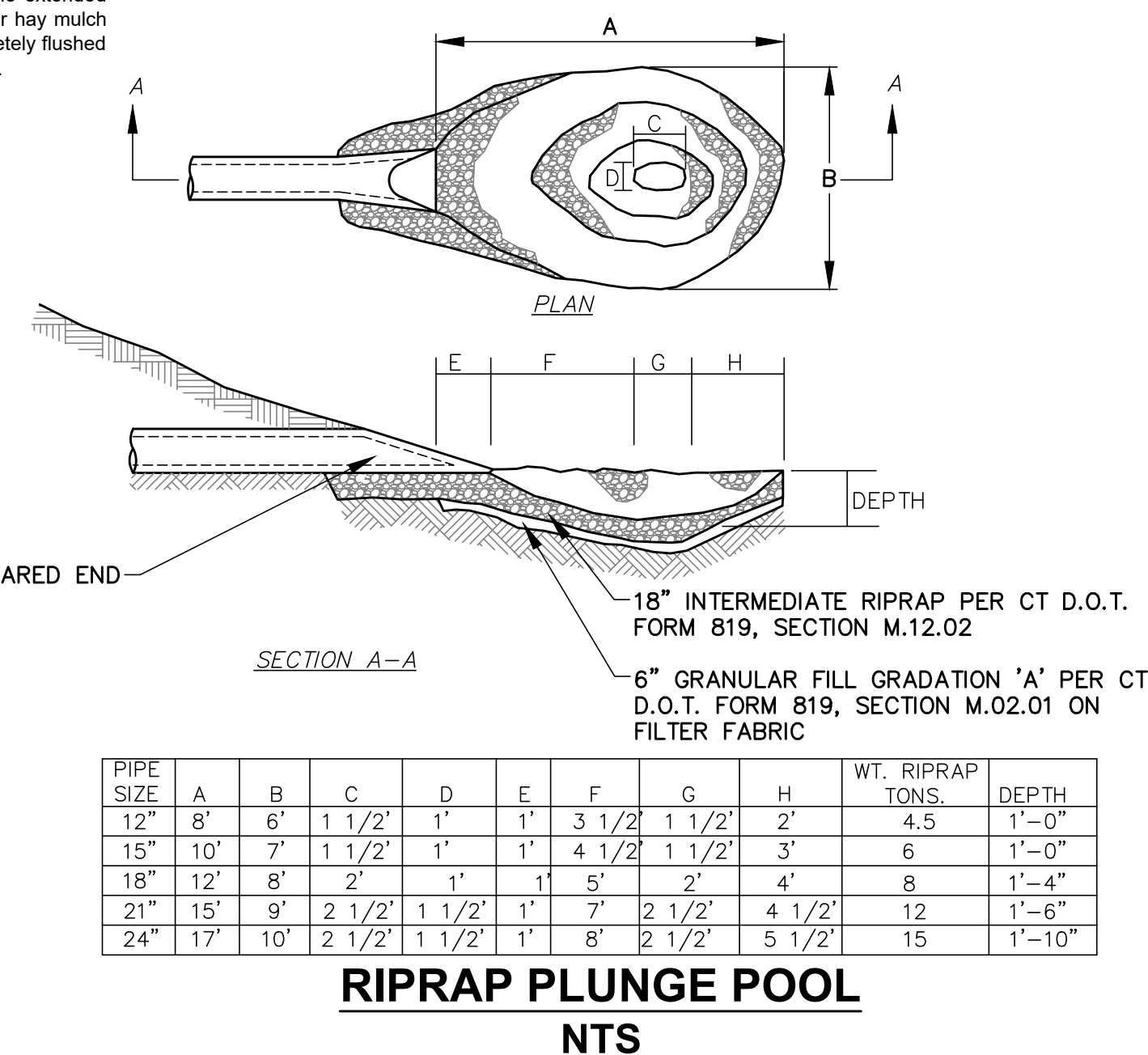
- Place straw bales on contour and wing last straw bales up-slope so that the top of last straw bales are higher than the line of straw bales.
- Stake all straw bales.
- Maintain and remove sediment deposits as required during construction.
- Regular maintenance shall include but not be limited to the following:
 - Removal of sediment build-up
 - Replacement of damaged units
- minimum inspection requirements include at least once per week or within 24hrs of a precipitation event greater than 0.5"



SEDIMENTATION AND EROSION CONTROL (STRAW-BALE SYSTEM) NTS



SEDIMENTATION AND EROSION CONTROL (GEOTEXTILE SILT FENCE SYSTEM) NTS



PIPE SIZE	A	B	C	D	E	F	G	H	WT. RIPRAP TONS.	DEPTH
12"	8'	6'	1 1/2'	1'	1'	3 1/2'	1 1/2'	2'	4.5	1'-0"
15"	10'	7'	1 1/2'	1'	1'	4 1/2'	1 1/2'	3'	6	1'-0"
18"	12'	8'	2'	1'	1'	5'	2'	4'	8	1'-4"
21"	15'	9'	2 1/2'	1 1/2'	1'	7'	2 1/2'	4 1/2'	12	1'-6"
24"	17'	10'	2 1/2'	1 1/2'	1'	8'	2 1/2'	5 1/2'	15	1'-10"

RIPRAP PLUNGE POOL NTS

- Disturbance:** Contractor shall keep all equipment and vehicular and pedestrian traffic off areas that have been seeded to prevent excessive compaction and damage to young plants. Where any disturbance has occurred, Contractor shall rework the soil to make a suitable seedbed, then re-seed and mulch such areas with the full amounts of the specified materials, at no additional cost to the State.
- Stand of Perennial Turf Grasses:** Contractor shall provide and maintain a uniform stand of established turf grass species having attained a height of 6 inches consisting of no less than 60% coverage per square foot throughout the seeded areas until the entire Project has been accepted. Reseeding, as required to achieve and maintain a uniform stand of established turf grass species, shall be at no additional cost to Owner.
- Establishment:** Contractor shall keep all seeded areas free from weeds and debris, such as stones, cables, baling wire, and shall mow at its own expense, on a 1_time_only basis, all slopes 4:1 or less (flatter) and level turf established (seeded) areas to a height of 3 inches when the grass growth attains a height of 6 inches. Clean-up shall include, but not be limited to, the removal of all debris from the turf establishment operations on the shoulders, pavement or otherwise on adjacent properties publicly and privately owned. Mowing shall be done at least once.
- Erosion Control Matting:** Erosion control matting shall be installed following seeding where called for on the plans or as directed by Engineer. Staples shall be installed as per manufacturer's recommendations. Where two lengths of matting are joined, the end of the up-grade strip shall overlap the down-grade strip per the manufacturer's recommendations. Contractor shall maintain and protect the areas with erosion control matting until such time as the turf grass is established. Contractor shall replace or repair any and all erosion control matting areas damaged by fire, water or other causes including the operation of construction equipment, at no cost to Owner. No mowing will be required in the locations where erosion control matting is installed.

6.3 PERMANENT STRUCTURAL MEASURES (POST CONSTRUCTION STORMWATER MANAGEMENT)

Land Grading:

Proposed grades are shown in detail on the plan. In general, the Contractor shall properly stockpile earth, move it to fill areas, or export it from the site. Place and compact fill in shallow lifts, proceeding uphill from the toe area. Create large but shallow runoff collection areas at the end of each working day to help collect and prevent runoff from running down the fill face.

Bring all excavated, filled, or disturbed areas to final grade as soon as possible and stabilize areas with loam, seed and mulch immediately. Keep erosion control measures in place until the site is stabilized with pavement and/or vegetation.

6.4 OTHER CONTROLS

Waste Disposal:

Provide an adequate number of covered waste containers to ensure that no litter, debris, building materials, or similar materials are discharged to wetlands or watercourses. Instruct subcontractors to use the containers for waste material. Empty the containers promptly when full.

Pavement Maintenance:

The Contractor shall sweep paved roadways adjacent to the site on a routine basis to prevent tracking of mud onto public roadways and washing of mud into waterways. If the Contractor's schedule for cleaning the pavement is found to be inadequate by the Owner, Owner's Representative, or the municipality, the Contractor shall increase the frequency at no additional cost to the Owner.

Cleaning of Stormwater Structures:

Clean all stormwater structures, including, but not limited to pipes, swales, detention basins, sediment traps, and riprap aprons of sediment upon completion of the project.

8. GENERAL CONDITIONS

8.1 If erosion control measures are damaged by construction vehicles, acts of vandalism, or severe weather conditions, the Contractor shall immediately remove sediment in the vicinity of the erosion control measures and repair these measures to a functional condition.

8.2 If, during or after construction, it becomes apparent that existing erosion control measures are incapable of controlling erosion, the Owner or Engineer may require additional control measures including, but not limited to: additional haybales, silt fence, sediment basins, or mechanically anchored mulch.

8.3 Refueling of equipment or machinery within 75 feet of any wetland or watercourse is prohibited.

8.4 No construction shall proceed until a written proposal of methods to prevent construction debris, paint, spent blast materials, or other materials from entering the wetland or watercourse has been submitted by the Contractor to the Owner and approved by the Owner, and such methods have been implemented as the Owner directs. These materials shall be collected and disposed of in an environmentally safe manner in accordance with all applicable Federal and State laws and regulations. The Owner may order the Contractor to cease such activity temporarily if, in the judgement of the Owner, wind or storm conditions threaten to cause the deposit of such materials into a waterway.

8.5 No materials resulting from construction activities shall be placed in or allowed to contribute to the degradation of an adjacent wetland or watercourse. Disposal of any material shall be in accordance with Connecticut General Statutes, including, but not limited to, Sections 22a-207 through 22a-209.

8.6 Fording of streams with equipment is prohibited, except as allowed by the Owner and the Owner's permits. Minimize such equipment travel. Where frequent, place washed stone to minimize erosion, scour, and turbidity, provided no significant grade change will be required for any haul road or temporary structure placed in wetlands or watercourses. Unless the above activities are specifically authorized by the Owner's permits, the Contractor shall acquire permits for such activities before commencement of the work.

8.7 Conduct work within or adjacent to watercourses during periods of low flow, whenever possible. The Owner shall remain aware of flow conditions during the conduct of such work, and shall cause such activity to cease should flow conditions threaten to cause excessive erosion, siltation or turbidity. The Contractor shall make every effort to secure the work site before predicted major storms. A major storm shall be defined as a storm predicted by NOAA Weather Service with warnings of flooding, severe thunderstorms, or similarly severe weather conditions or effects.

8.8 Stabilize all temporary fill to prevent erosion and to prevent sediment or other particulate matter from reentering a wetland or watercourse. Restore and revegetate all areas affected by temporary fills to their original contours or as directed by the Owner. Confine the extent of temporary fill or excavation to that area necessary to perform the work, as approved by the Owner.

8.9 Dumping of oil, chemicals or other deleterious materials on the ground is forbidden. The Contractor shall provide a means of catching, retaining, and properly disposing of drained oil, removed oil filters, or other deleterious material. All spills of such materials shall be reported immediately by the Contractor to the DEEP.

8.10 No application of herbicides or pesticides within 75 feet of any wetland or watercourse will be allowed. All such applications must be done by a Connecticut licensed applicator. The Contractor shall submit to the Owner the proposed applicator's name and license number, and must receive the Owner's approval of the proposed applicator, before such application is carried out.

1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC
REV.	DATE	DESCRIPTION	BY	CHK.

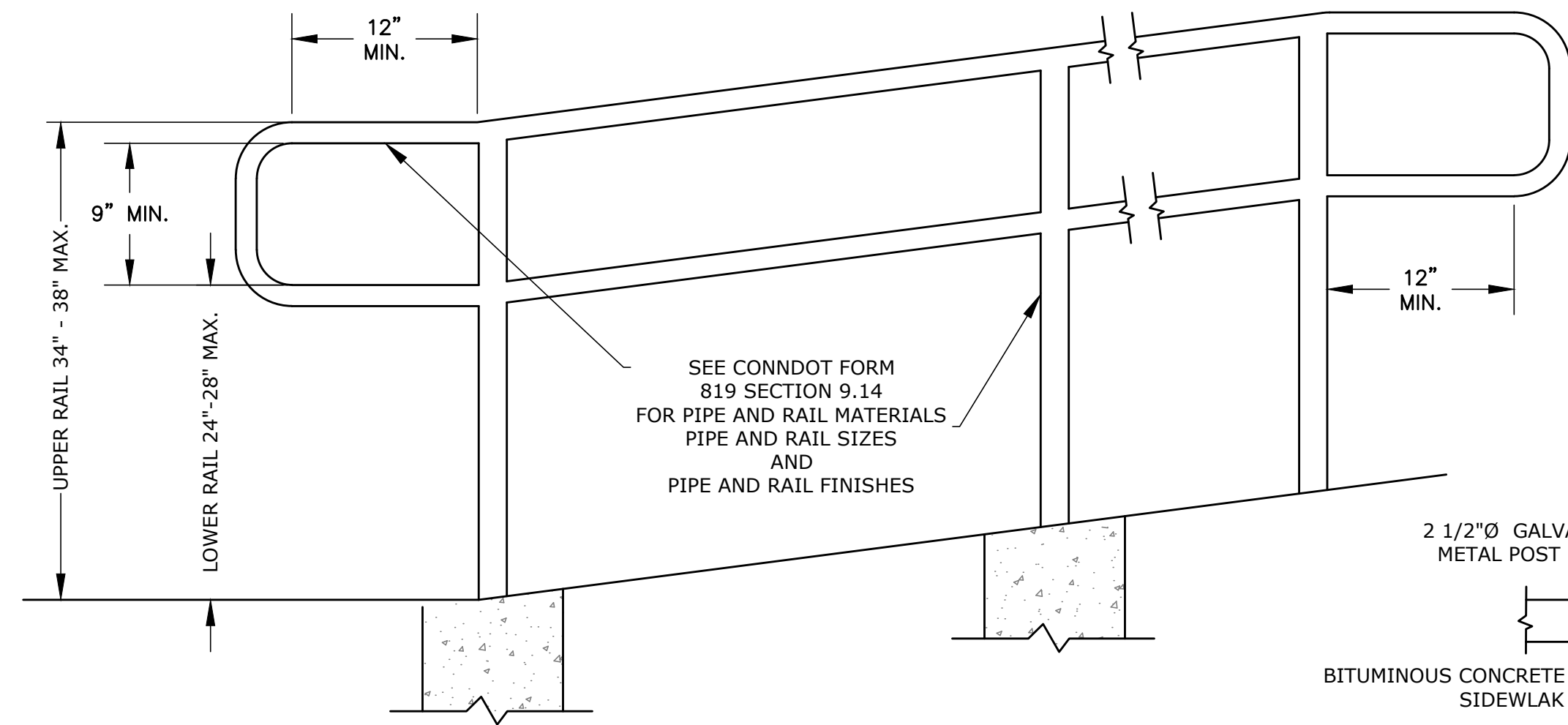
FINAL DESIGN

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
2210 Main St.
Glastonbury, Connecticut 06033
860.657.3100
WWW.HALEYWARD.COM

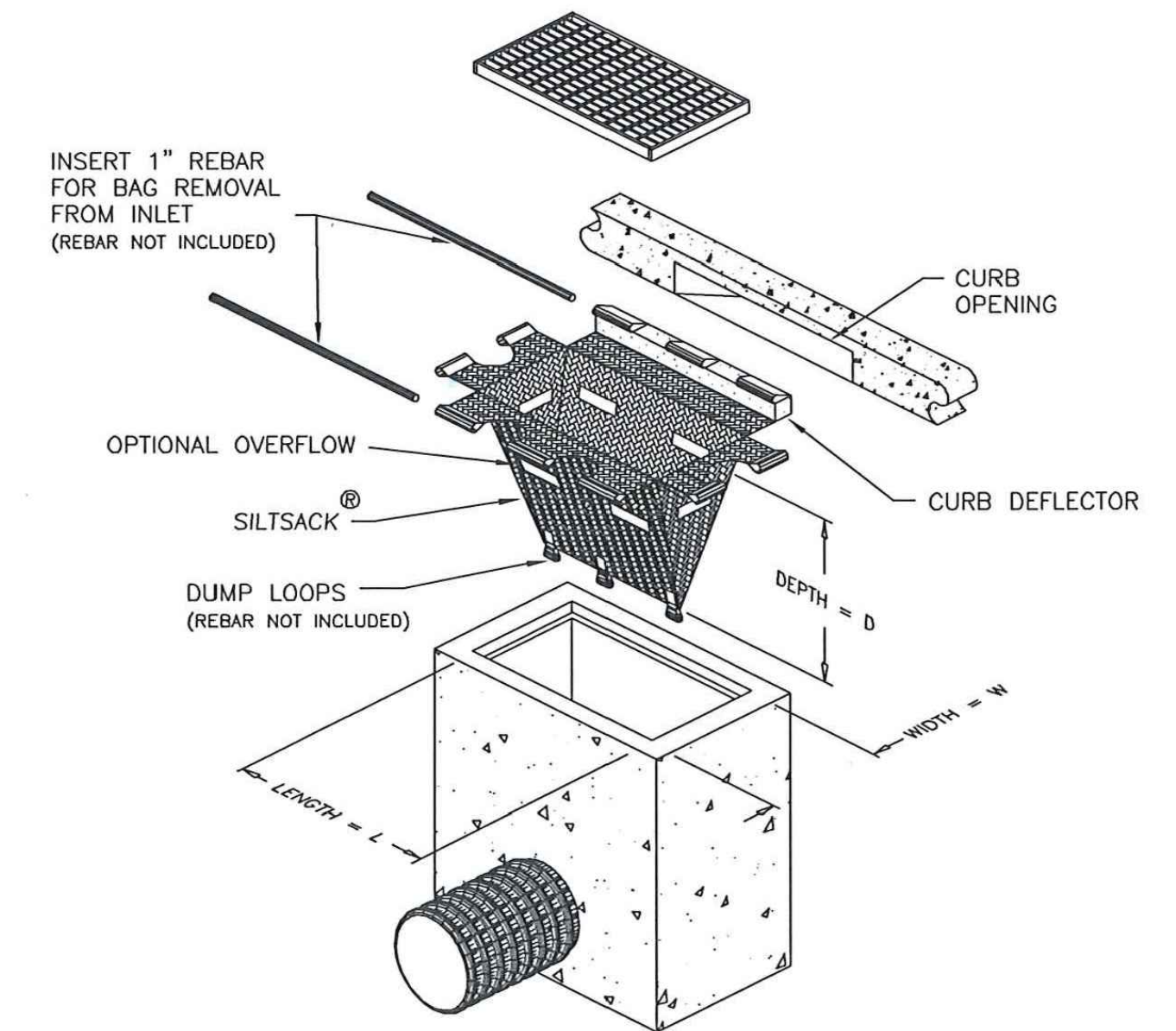
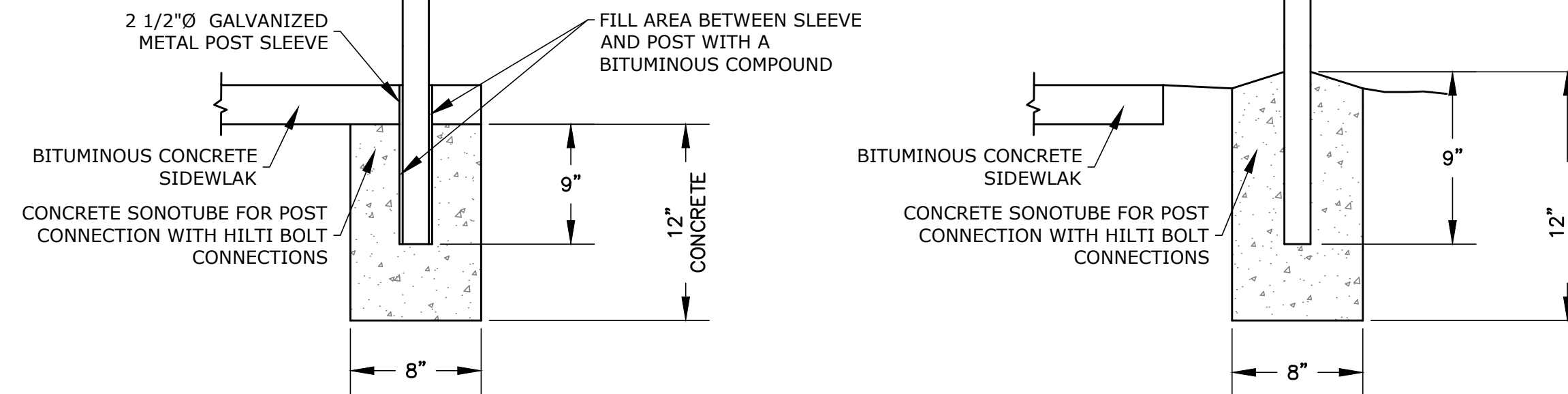
PHASE I - MAIN STREET SIDEWALK U.S. ROUTE 44 AND STATE ROUTE 41 TOWN OF SALISBURY, CT

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE CIVIL DETAILS

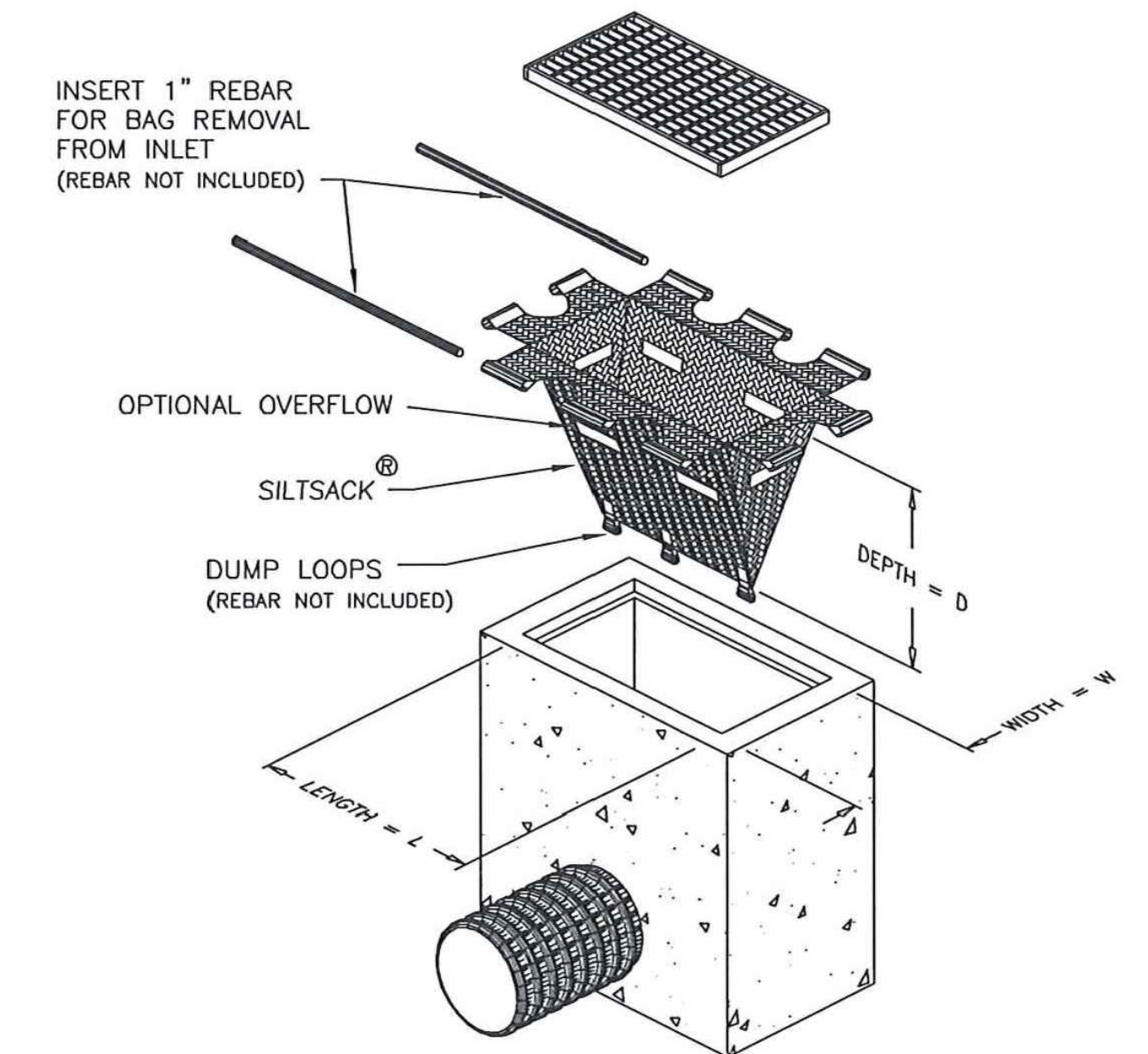
DATE	2026.02.26	SCALE	1"= 20'
DRAWN BY	JS/PM	DESIGNED BY	JS/PM
CHECKED BY	DNB		
PROJECT No.	4010219.002	CONTRACT No.	
DRAWING No.	09	REV.	1



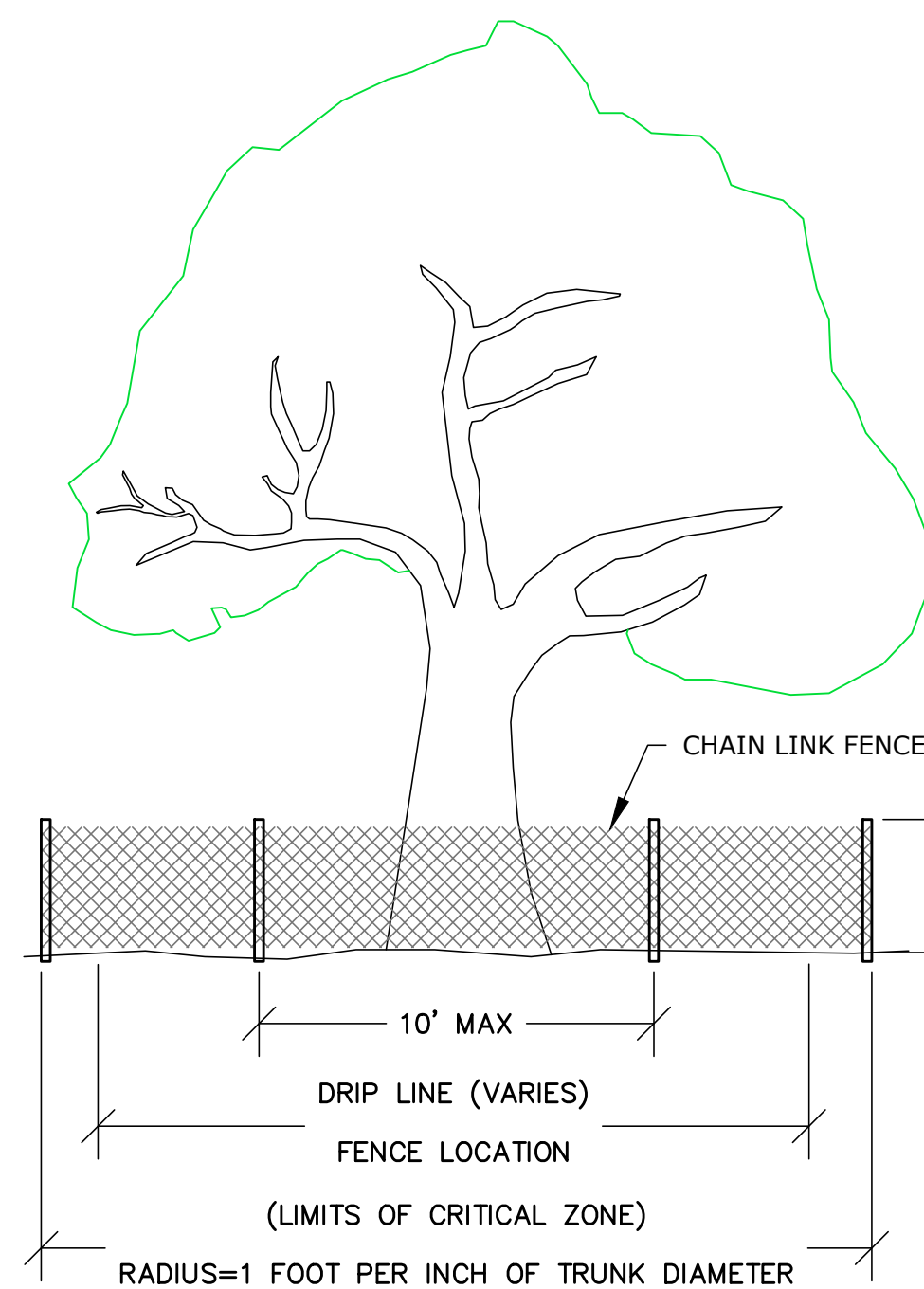
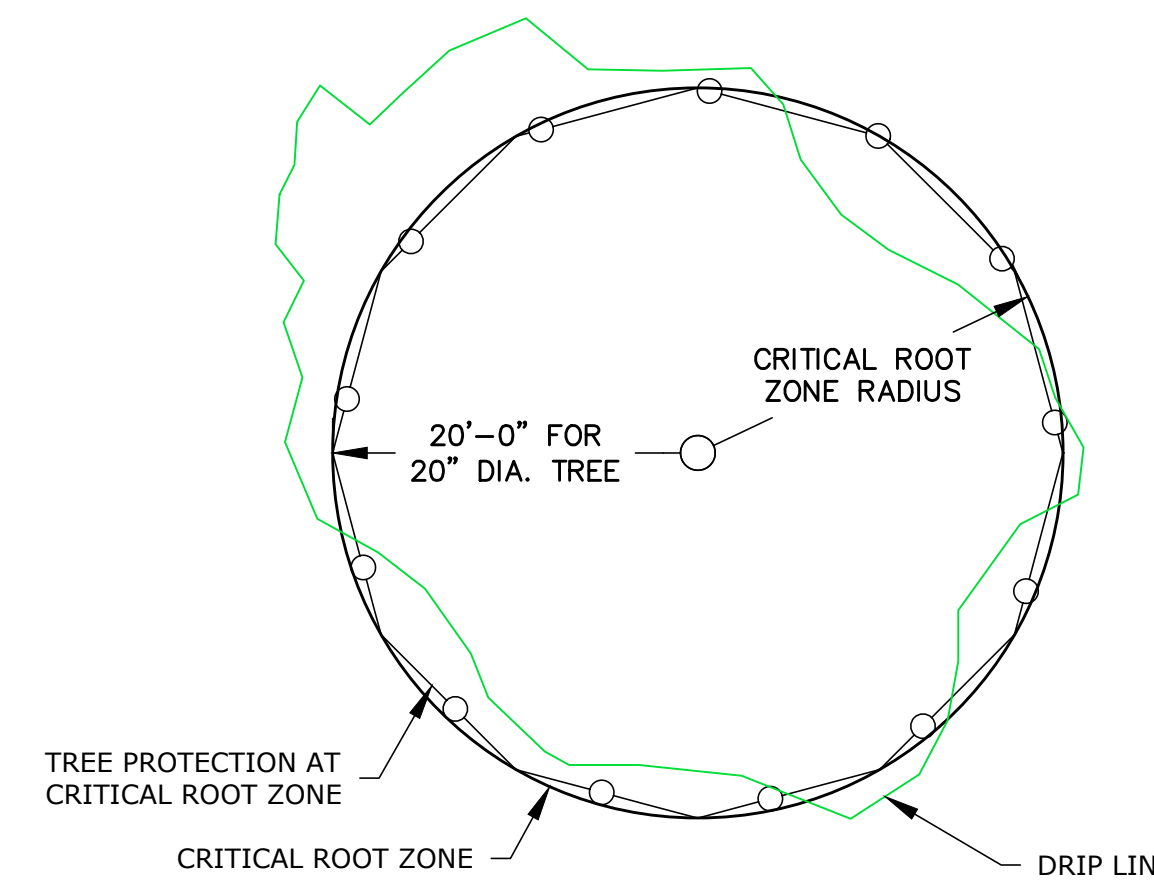
METAL HAND RAIL
NOT TO SCALE



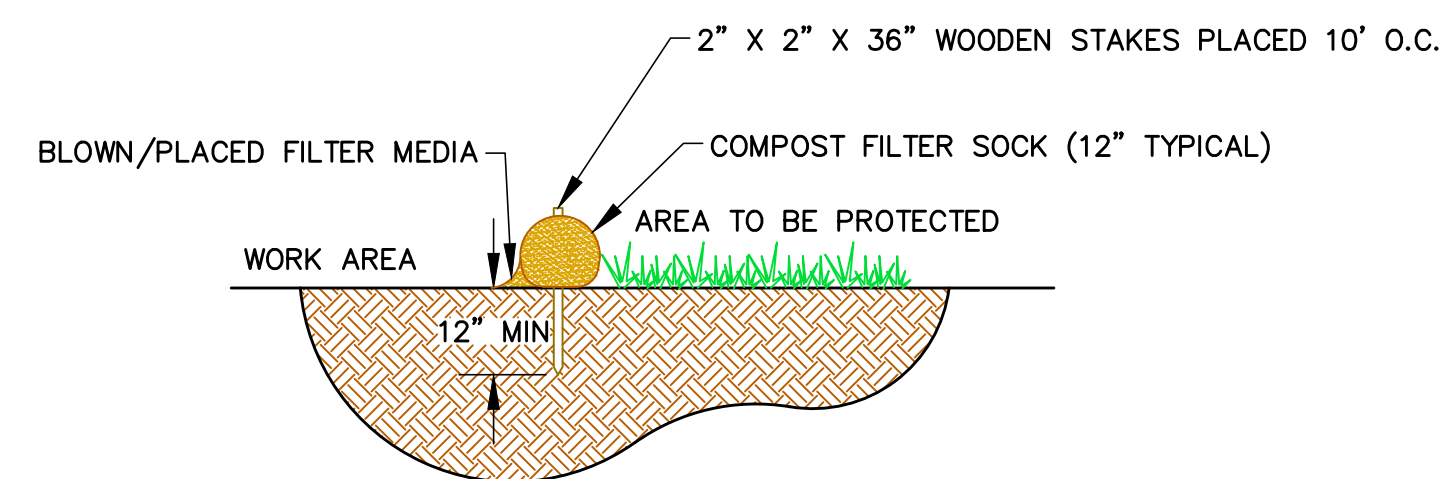
SILT SACK
NTS



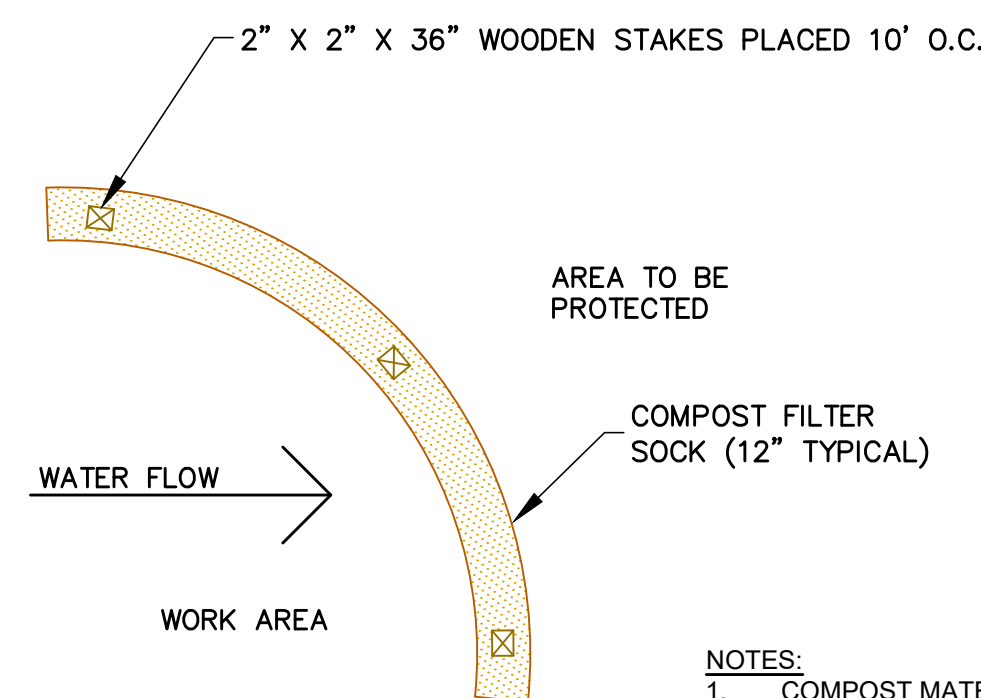
SILT SACK WITH DEFLECTOR
NTS



TREE PROTECTION FENCING
NOT TO SCALE



SECTION



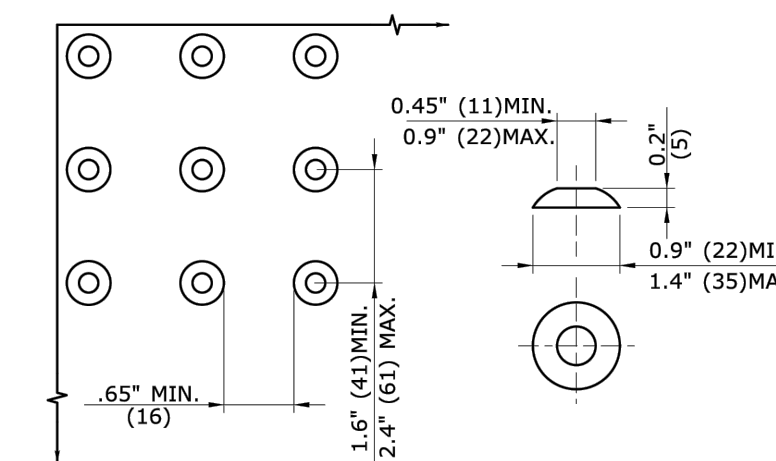
PLAN

**COMPOSITE FILTER SOCK
SEDIMENT CONTROL DETAIL**
NOT TO SCALE

NOTES:
1. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

GENERAL NOTES:

- RAMPED MEDIANS SHALL HAVE A CURB RAMP AT EITHER END AND LEVEL LANDINGS A MINIMUM OF 5' x 5' (1.5m x 1.5m) IN BETWEEN. CUT-THROUGH MEDIANS SHALL BE A MINIMUM OF 6' (1.8m) LONG AND 5' (1.5m) WIDE. FOR ALL MEDIANS, CUT-THROUGH OR RAMPED, A 2' (610) STRIP OF DETECTABLE WARNINGS SHALL BE INSTALLED AT THE ENTRANCE AND EXIT.
- SEE GENERAL NOTES ON SHEET 1.



DOMES SPACING DOME SECTION

STANDARD DOME ON DETECTABLE WARNING TILES

REV.	DATE	DESCRIPTION	BY	CHK.
1	2026.02.06	Revise project plans to incorporate CT DOT District 4 comments	JS	RC

DRAWING ISSUE STATUS

FINAL DESIGN

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
2210 Main St.
Glastonbury, Connecticut 06033
860.657.3100

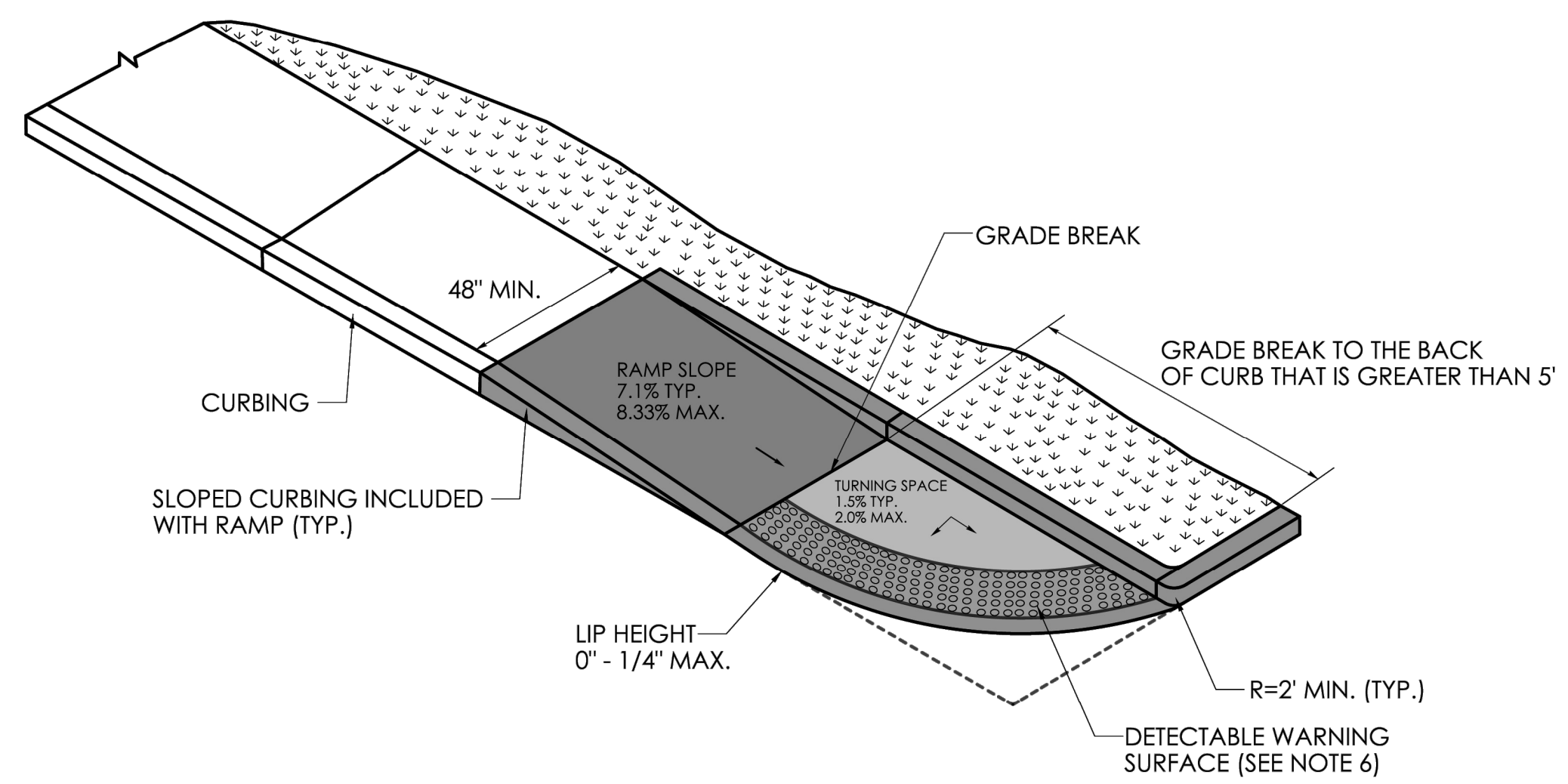
PROJECT
PHASE I - MAIN STREET SIDEWALK
U.S. ROUTE 44 AND STATE ROUTE 41
TOWN OF SALISBURY, CT

TITLE
CIVIL DETAILS

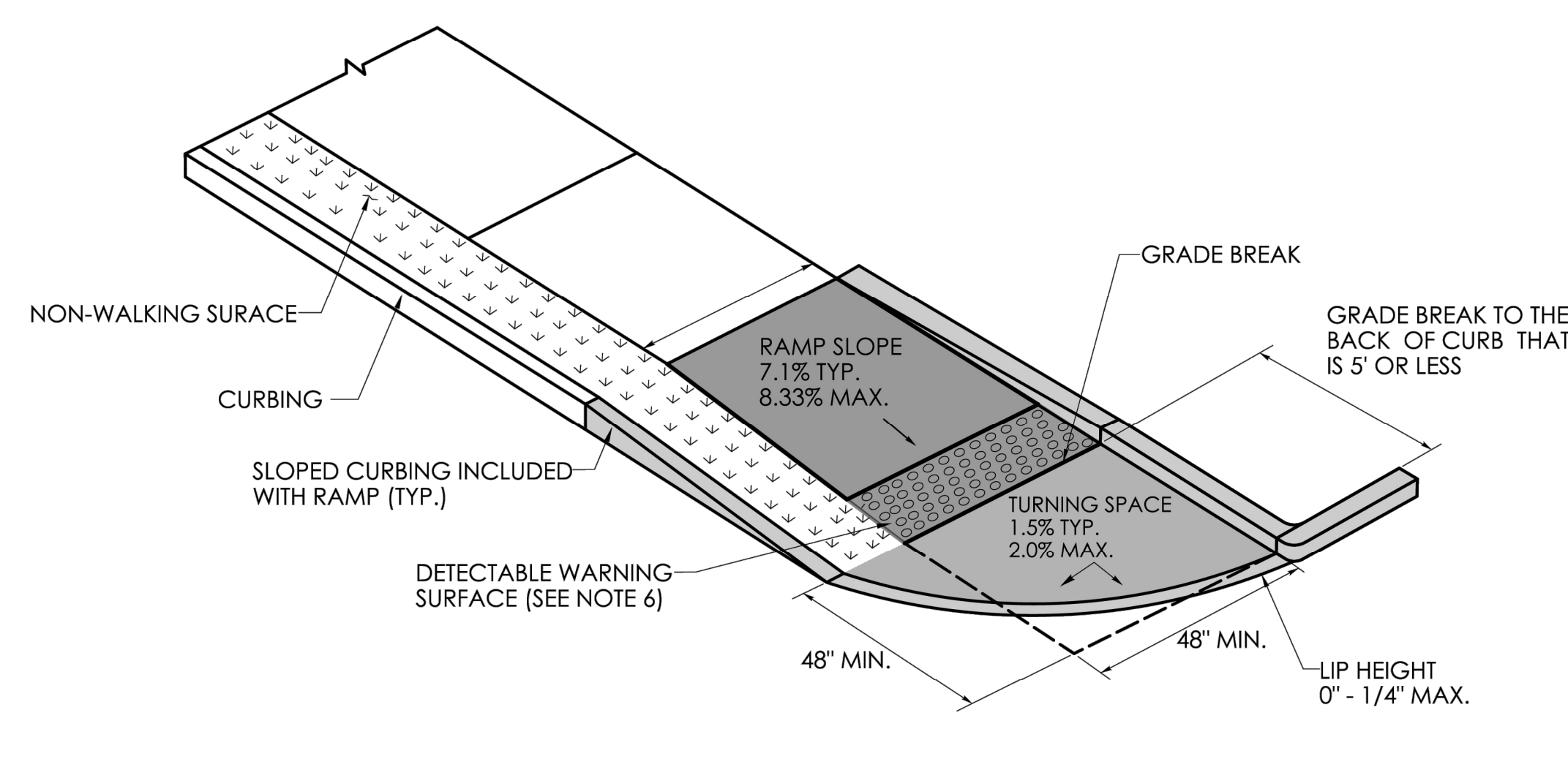
DATE	SCALE
January 27, 2026	1" = 20'
DRAWN BY JS/PJM	DESIGNED BY JS/PJM
CHECKED BY DNB	CONTRACT No. 4010219.002
DRAWING No. 10	REV. 1



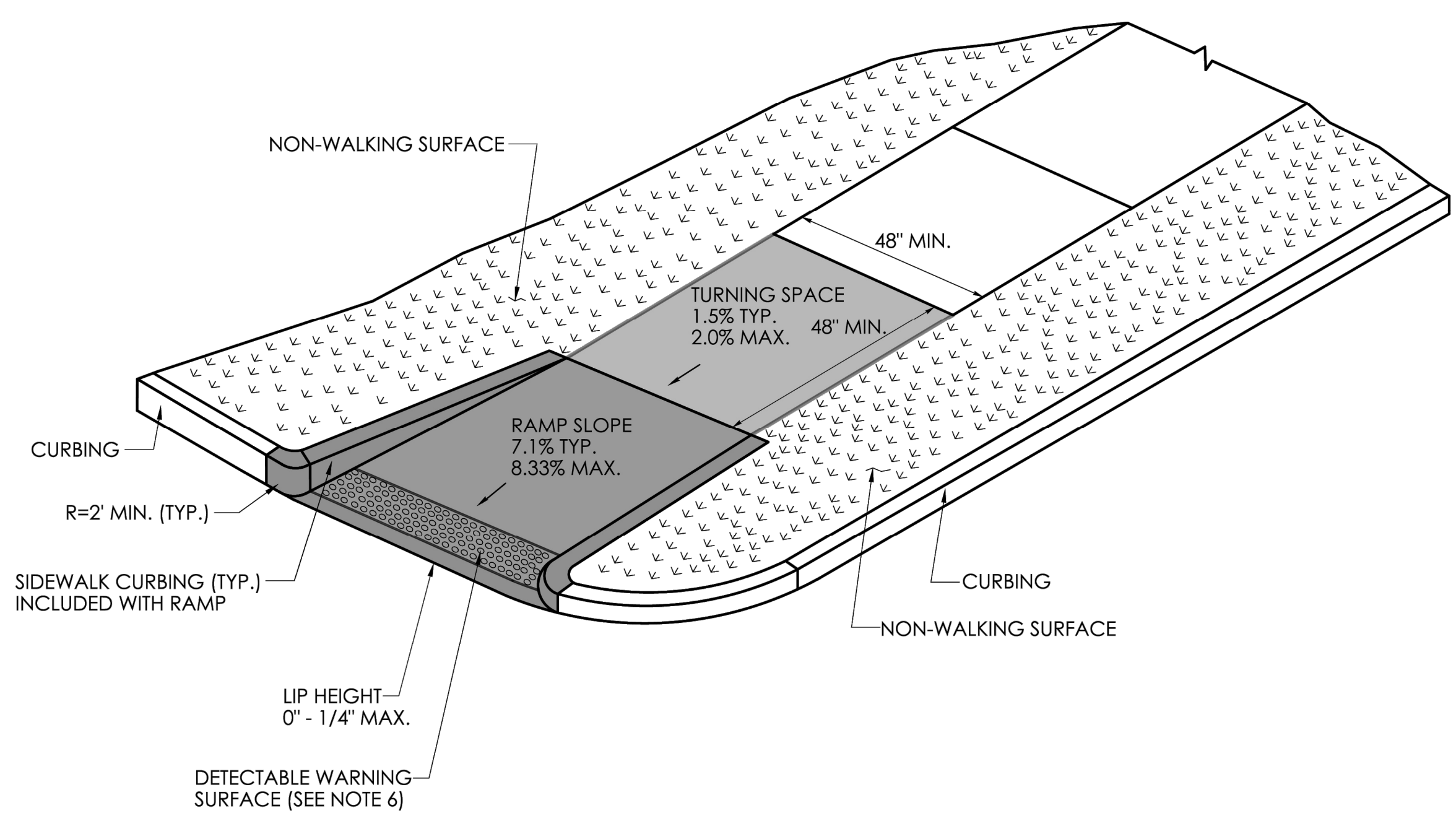
FILE LOCATION: P:\CT\10219 - TOWN OF SALISBURY\19.002 SIDEWALK DESIGN & PERMITTING - DMS2-CAD - FLEISHER STREET SIDEWALK DETAILS.DWG, 2026.03.09, 10:54 AM



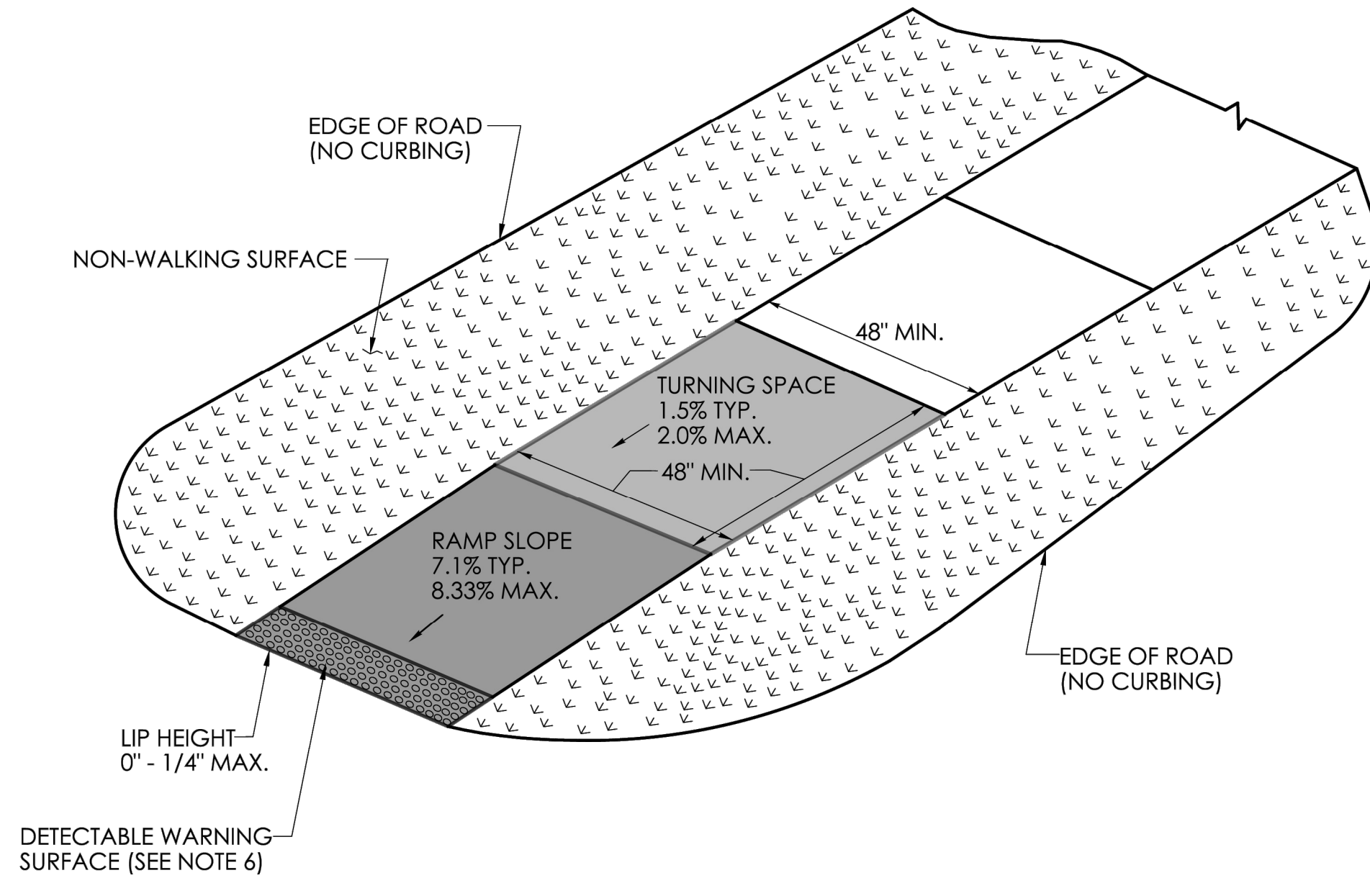
**SINGLE DIRECTION PERPENDICULAR RAMP
GRADE BREAK TO THE BACK OF CURB
GREATER THAN 5'
(TYPE 14)**



**SINGLE DIRECTION PERPENDICULAR RAMP
WITH GRADE BREAK TO THE BACK
OF CURB THAT IS 5' OR LESS
(TYPE 15)**



**SINGLE DIRECTION PERPENDICULAR RAMP
RETURN CURB WITH NON-WALKING SURFACE
(TYPE 16)**



**SINGLE DIRECTION PERPENDICULAR RAMP
NO CURB WITH NON-WALKING SURFACE
(TYPE 17)**

- GENERAL NOTES:**
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
 4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
 5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
 6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
 7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELNES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
 8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-07.
 9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.

REV.	DATE	REVISION DESCRIPTION

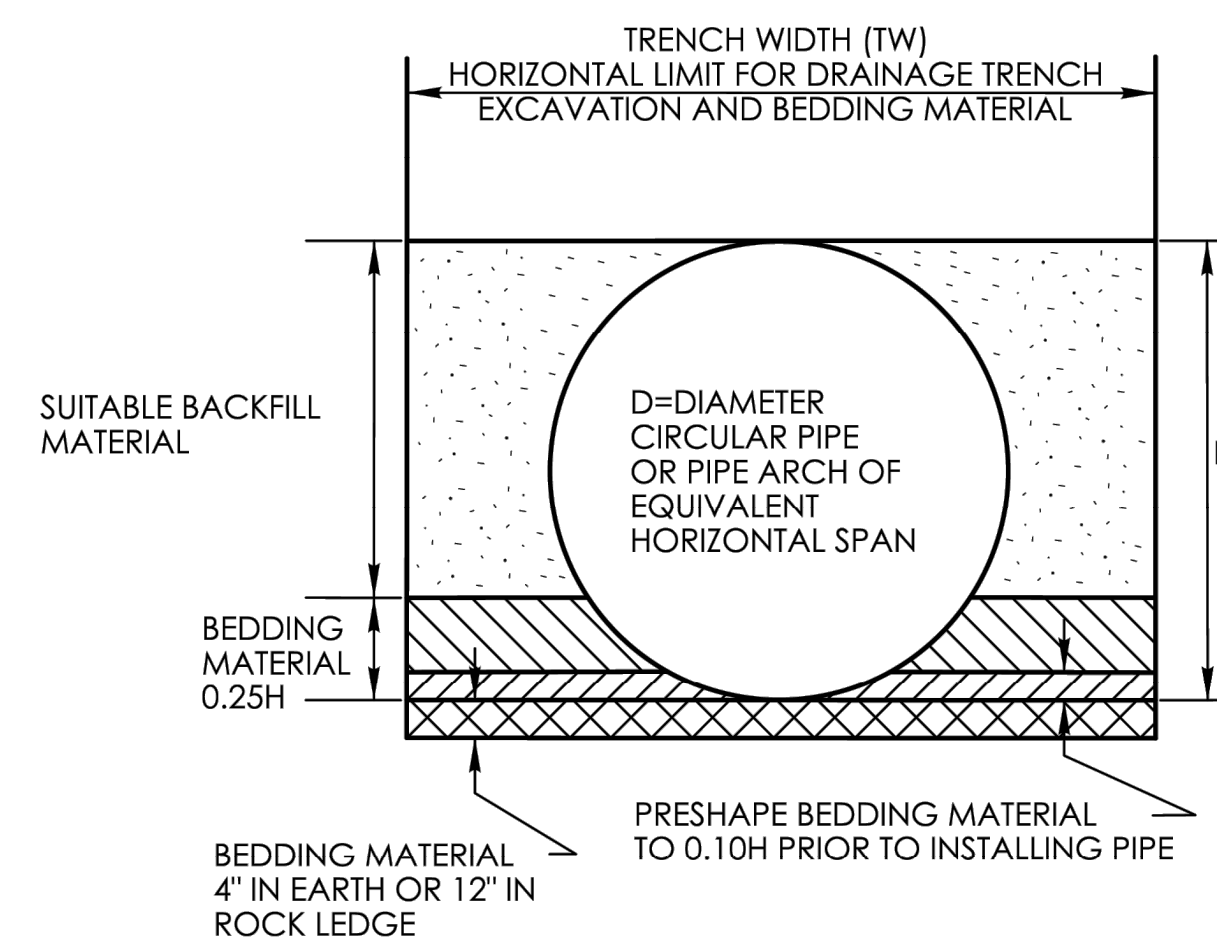
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DESIGNER/DRAFTER: _____ CHECKED BY: _____
LASTED SAVED BY: klpatrickd FILE NAME: C:\Users\klpatrickd\State of Connecticut\DOT Engineering Services - Documents\HWY_STD_GUIDE_DWG\B - Going for signatures\Jan 2025 Std & Guide Sh's\CTDOT_HIGHWAY_GD Jan 2025 [10-30-24].dgn
PLOTTED DATE: 10/30/2024



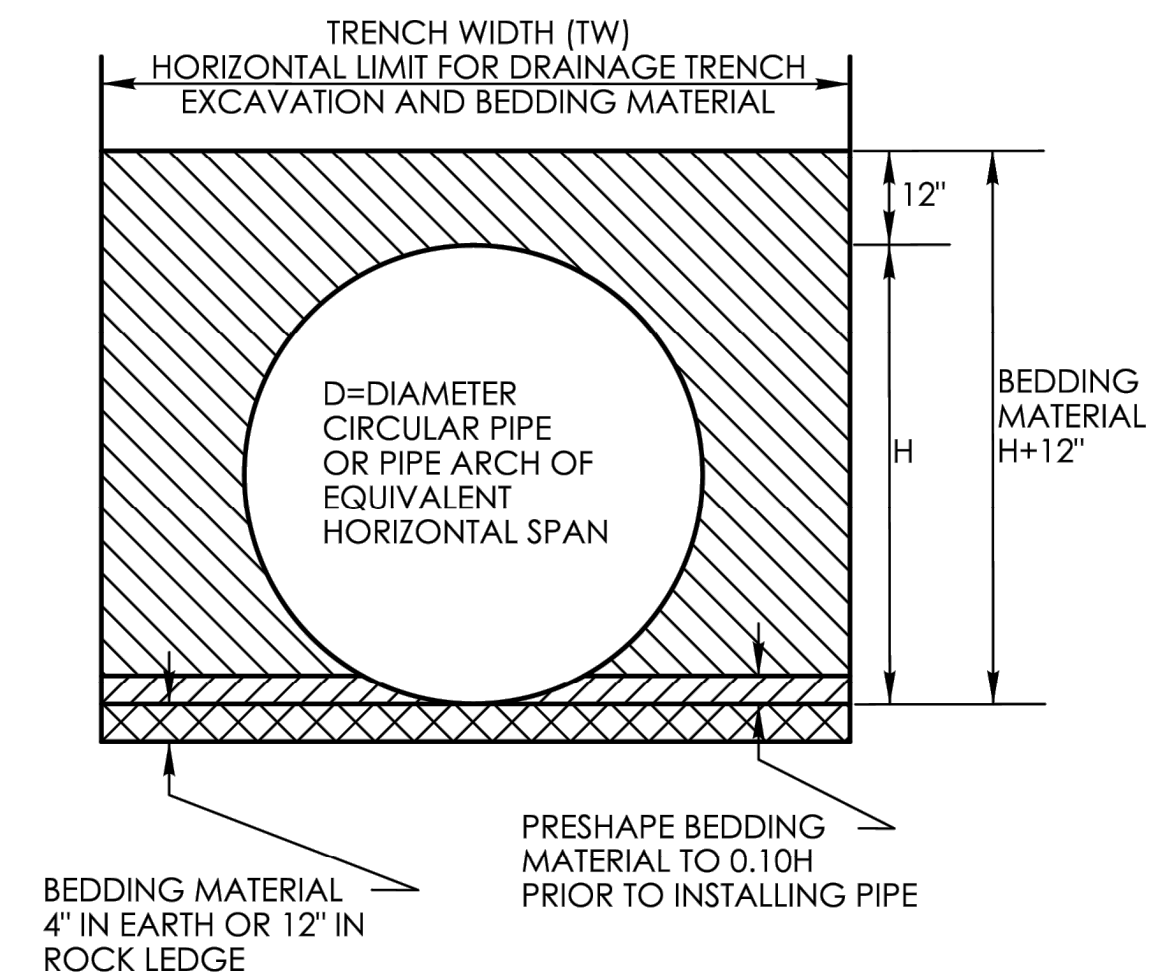
PROJECT TITLE: **TEST PROJECT**
TOWN(S): **VARIOUS**

DRAWING TITLE: **CONCRETE SIDEWALK RAMPS
SHEET 6 OF 11**

PROJECT NO.: _____ DRAWING NO.: _____
SHEET NO.: **11**



**PIPE TRENCH
FOR PIPES LESS THAN 48"**



**PIPE TRENCH
FOR PIPES GREATER THAN
OR EQUAL TO 48"**

TRENCH WIDTH (TW) CHART

PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS

SHEET NO.
12

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
10:12:03-05'00"

APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
12:25:59-05'00"



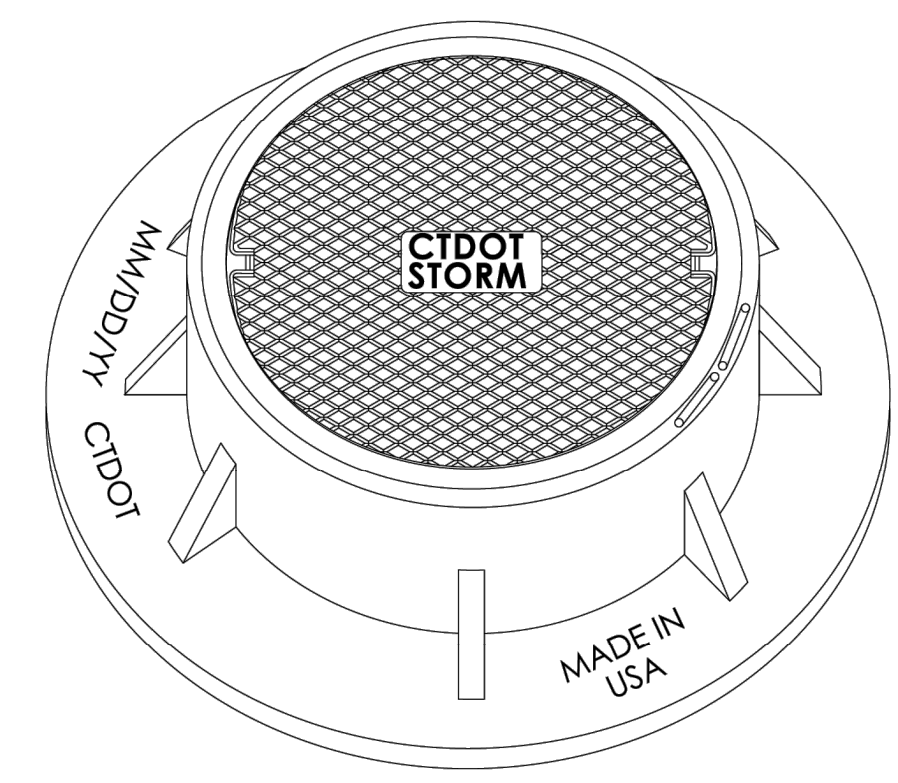
CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

CTDOT
STANDARD SHEET

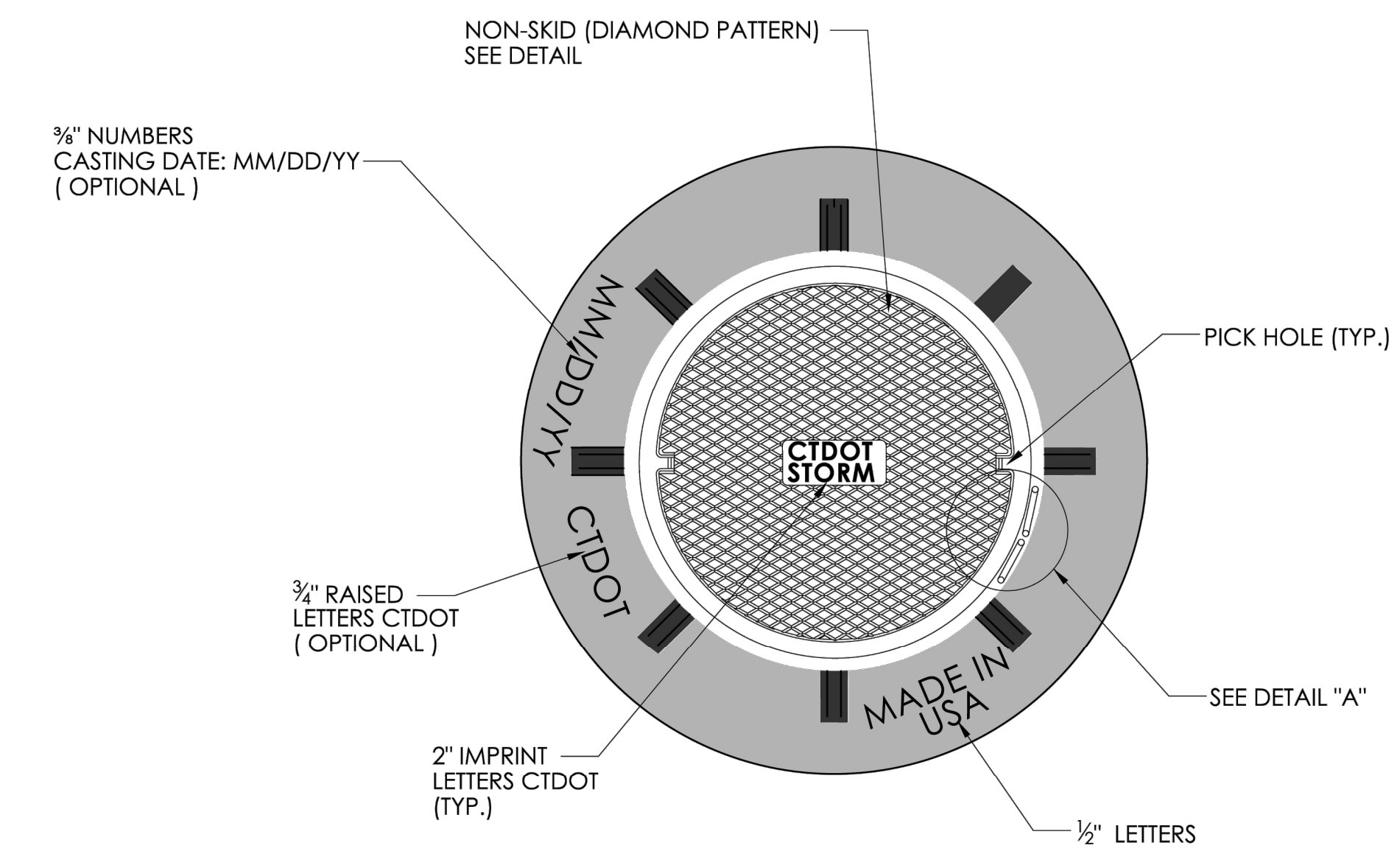
STANDARD SHEET TITLE:
DRAINAGE TRENCH EXCAVATION

STANDARD SHEET NO.:
HW-286_01

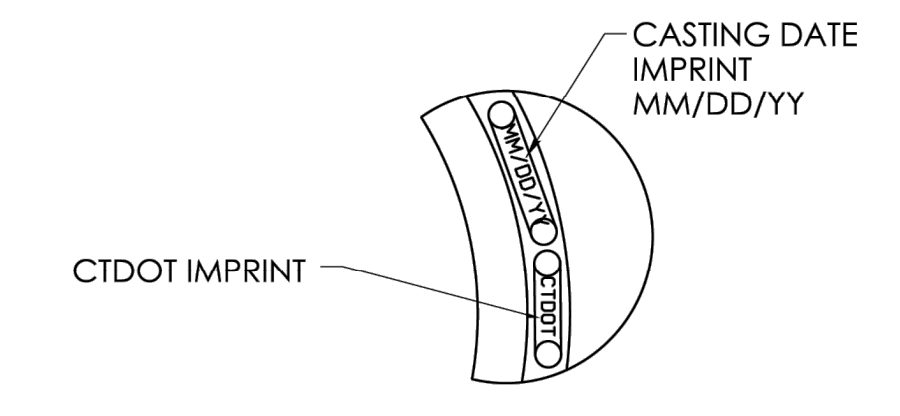
- GENERAL NOTES:**
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
 2. CASTING DATE SHALL BE INDICATED ON EACH; FRAME (SEE DETAIL A) AND COVER (PLACED ON UNDERSIDE).



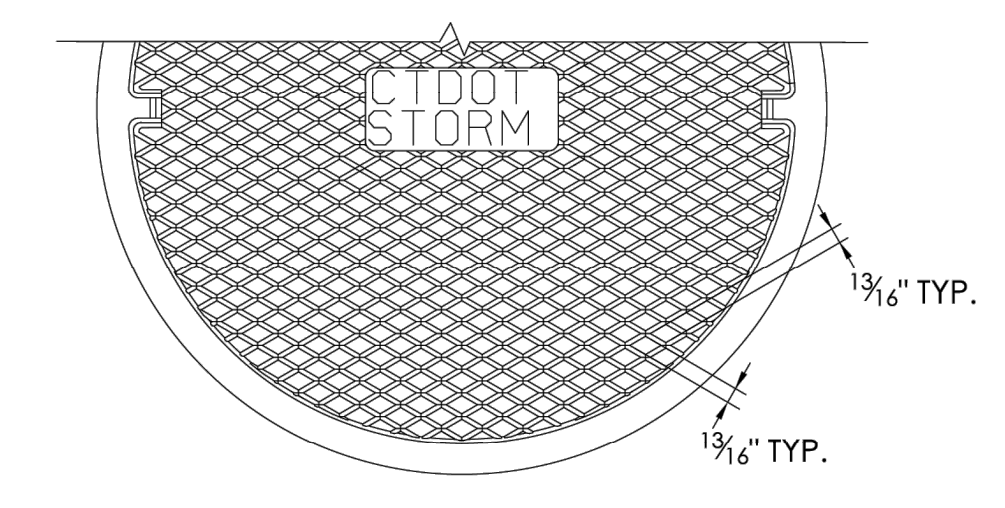
MANHOLE FRAME AND COVER



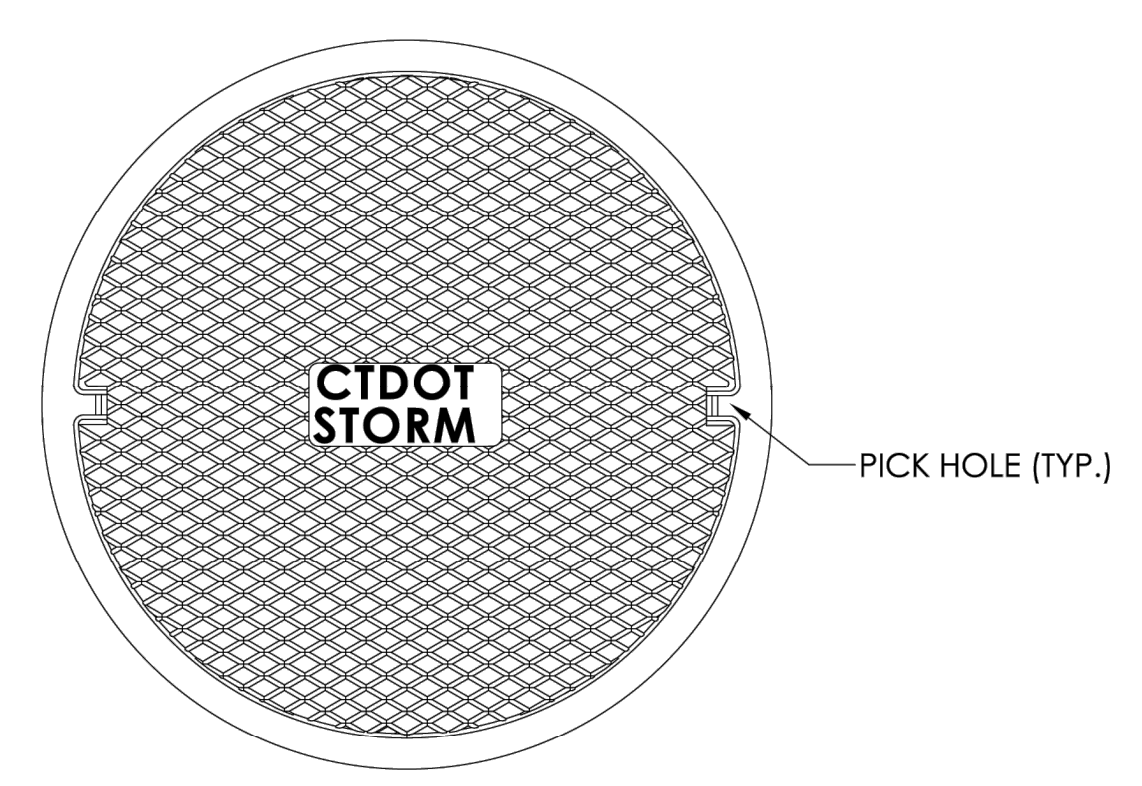
PLAN



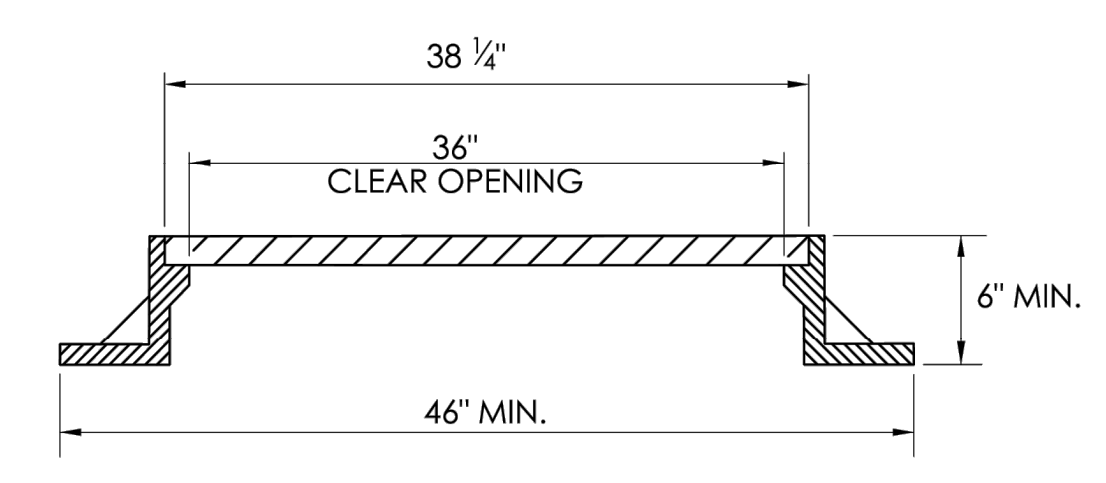
DETAIL "A"



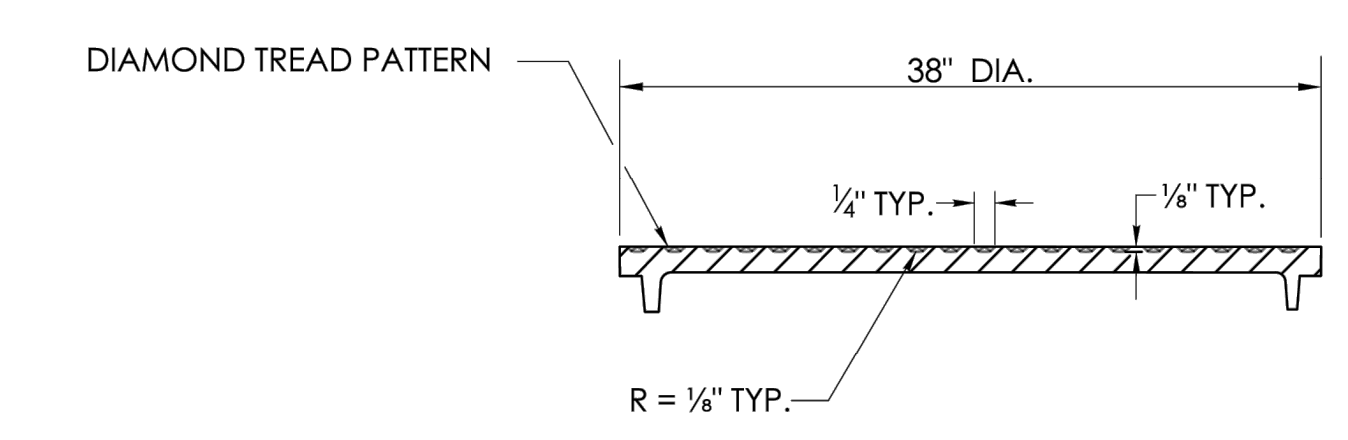
DIAMOND PATTERN PLAN



MANHOLE COVER PLAN



MANHOLE FRAME AND COVER



MANHOLE COVER WITH DIAMOND PATTERN

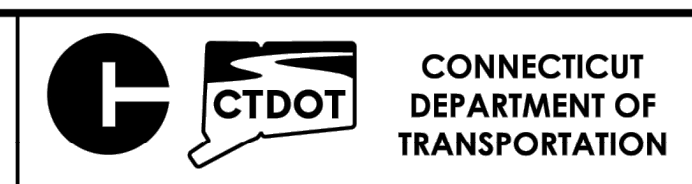
SHEET NO.
13

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
10:15:43-05'00'

APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
13:05:50-05'00'



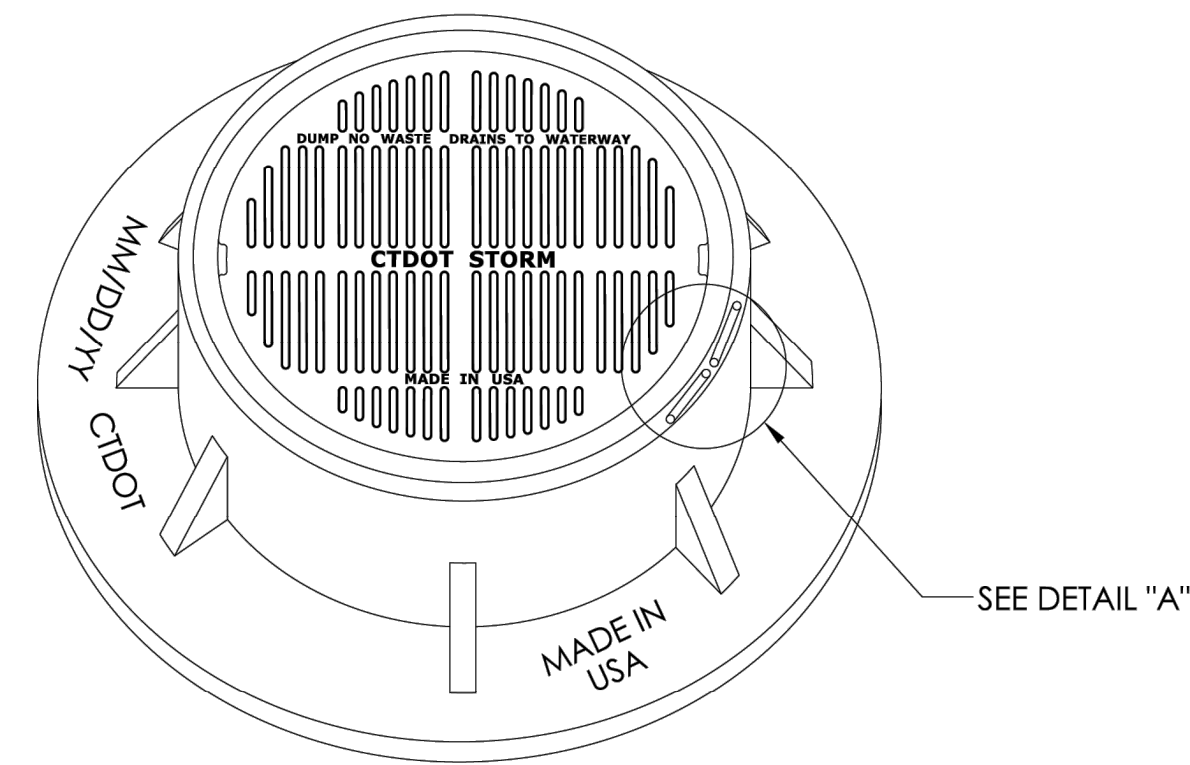
**CTDOT
STANDARD SHEET**

STANDARD SHEET TITLE:
MANHOLE FRAME AND COVER

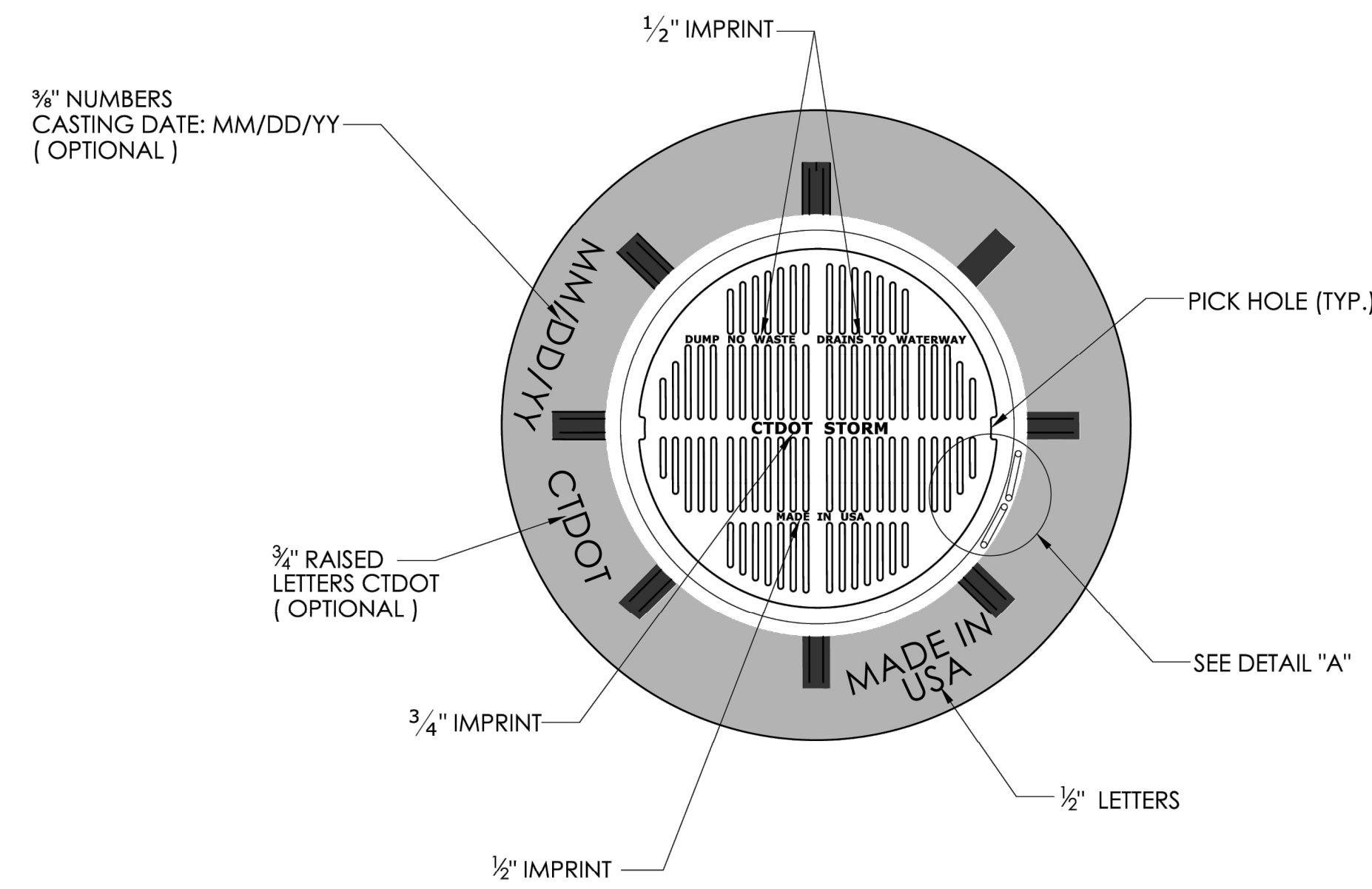
STANDARD SHEET NO.:
HW-586_10a

GENERAL NOTES:

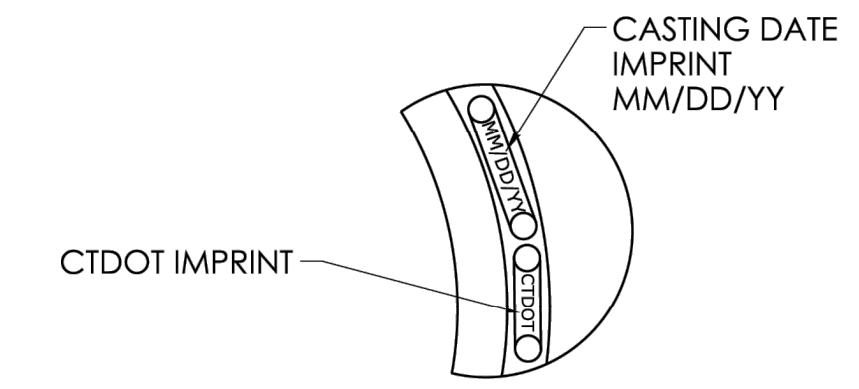
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



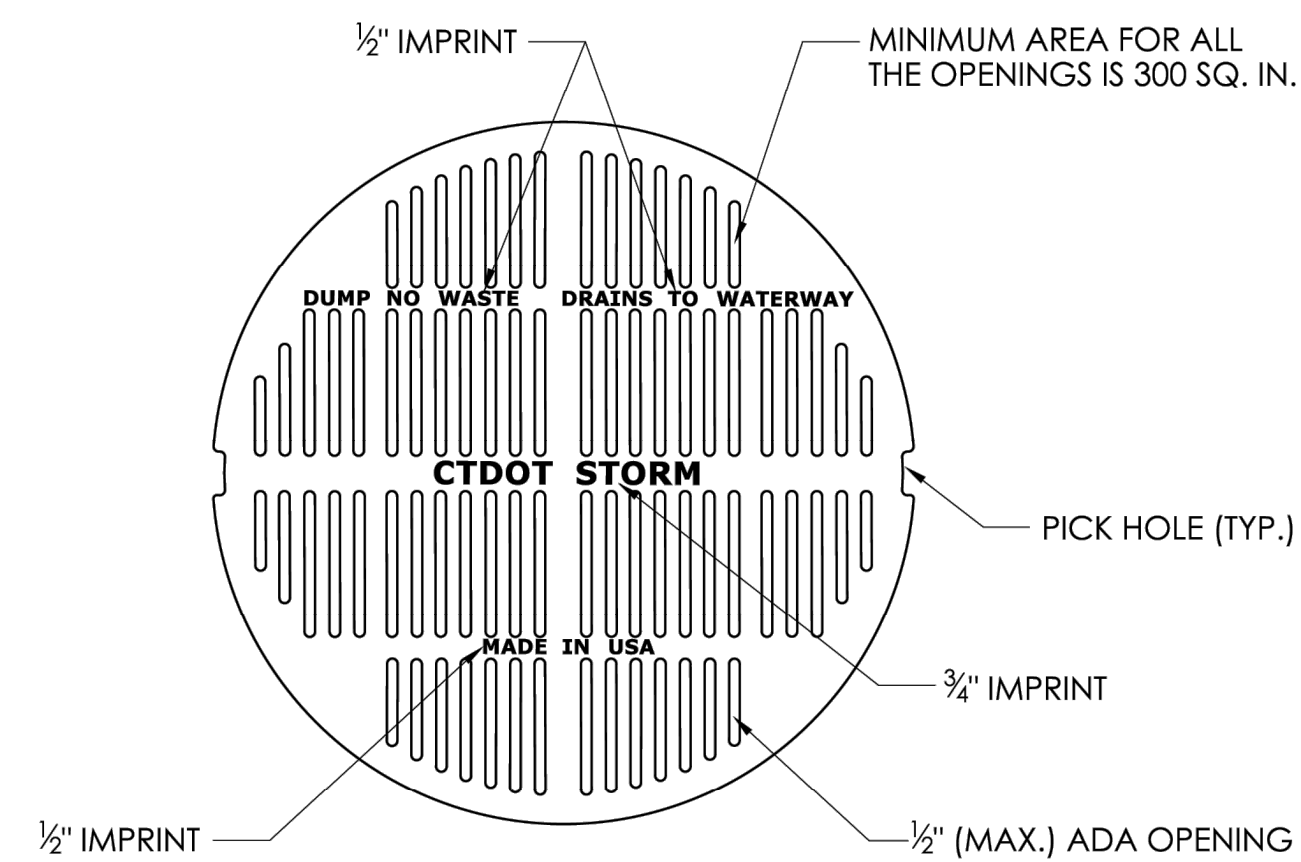
MANHOLE FRAME AND GRATE



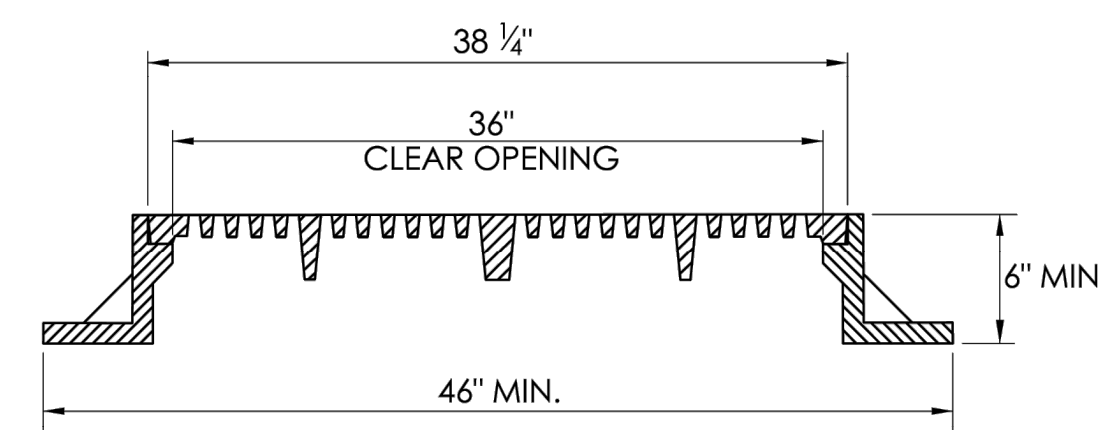
PLAN



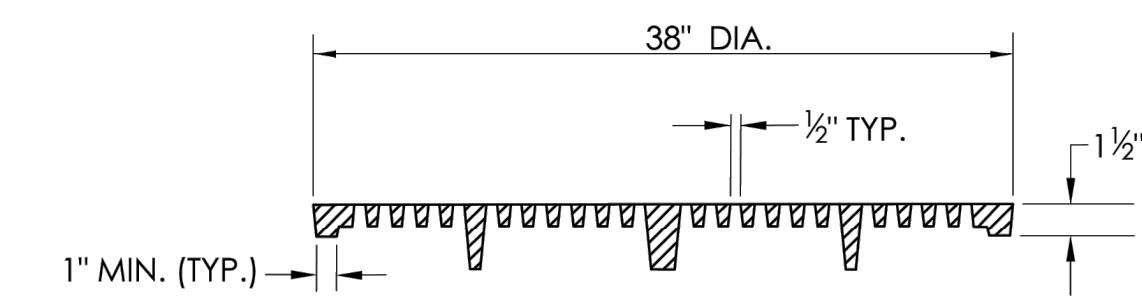
DETAIL "A"



MANHOLE GRATE PLAN



MANHOLE FRAME AND COVER



MANHOLE GRATE

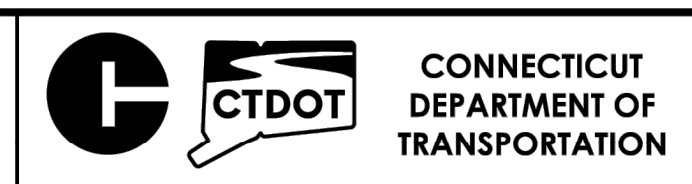
SHEET NO.
14

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine, P.E.
Date: 2025.01.21
14:34:46-05'00'

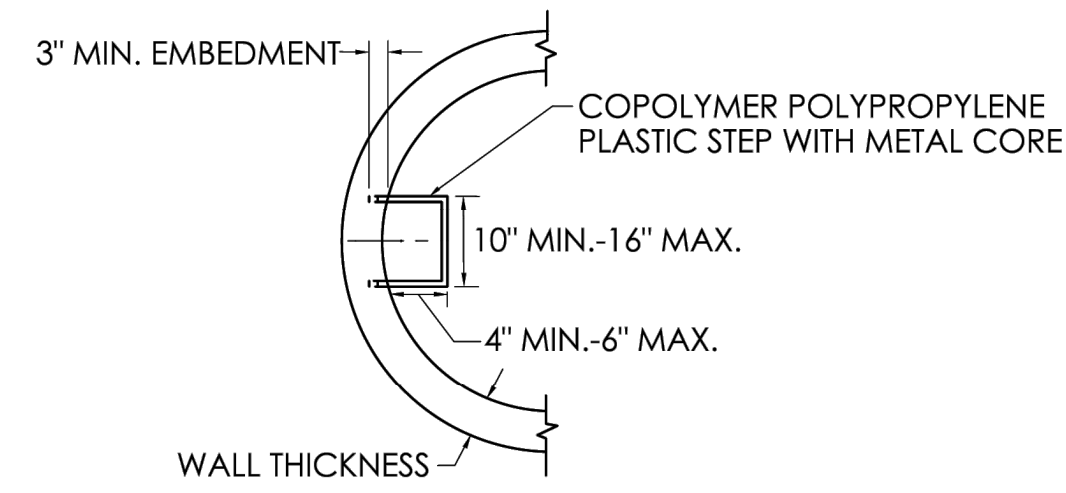
APPROVED BY:
Digitally signed by
Michael N. Calabrese, P.E.
Date: 2025.02.03
20:37:35-05'00'



**CTDOT
STANDARD SHEET**

STANDARD SHEET TITLE:
MANHOLE FRAME AND GRATE

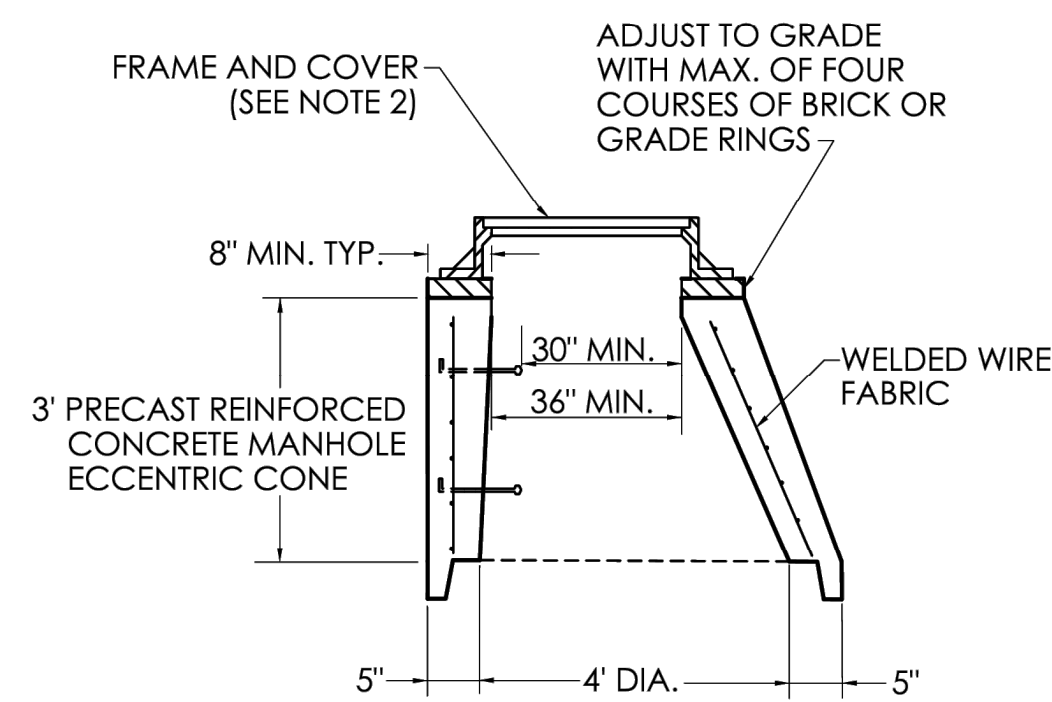
STANDARD SHEET NO.:
HW-586_10b



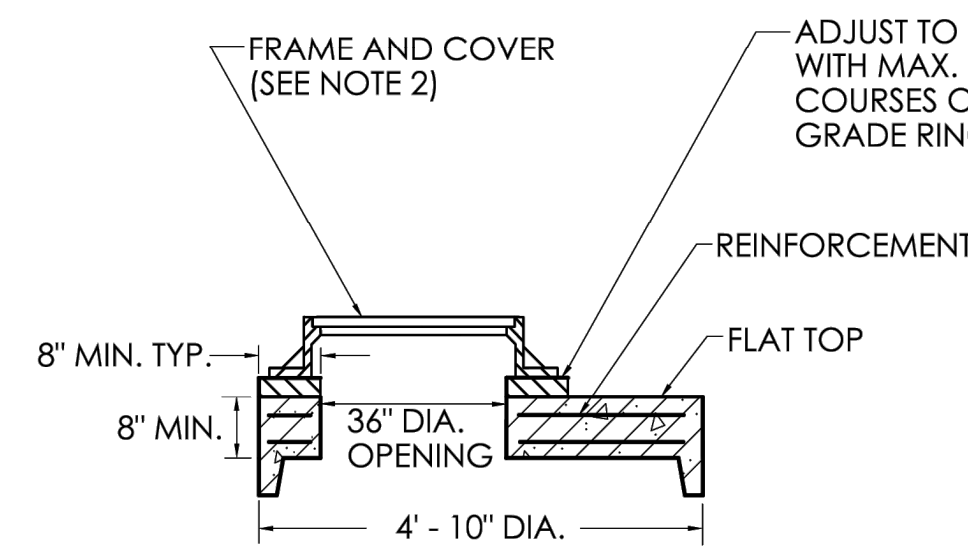
STEP DETAIL

GENERAL NOTES:

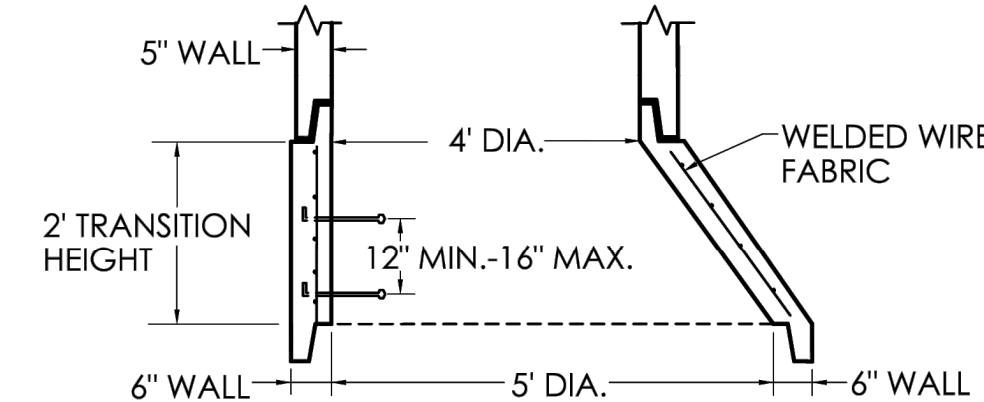
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE.
2. SEE SHEETS HW-586_10a, AND HW-586_10b FOR MANHOLE FRAME, GRATE AND COVER DETAIL.



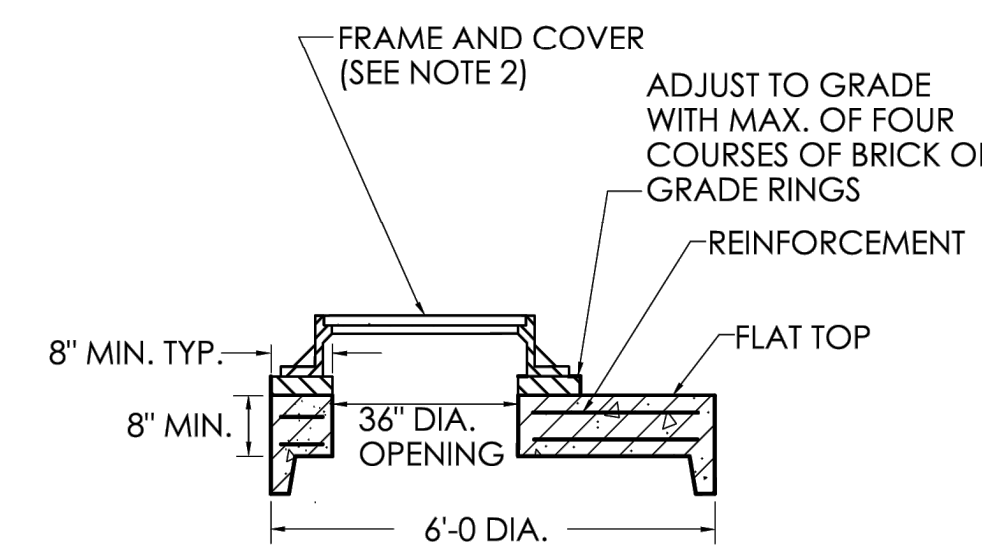
ECCENTRIC CONE SECTION



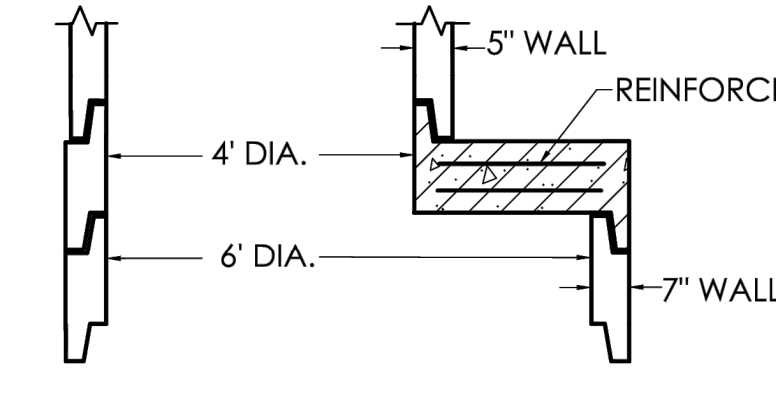
FLAT SLAB TOP FOR RISER SECTION



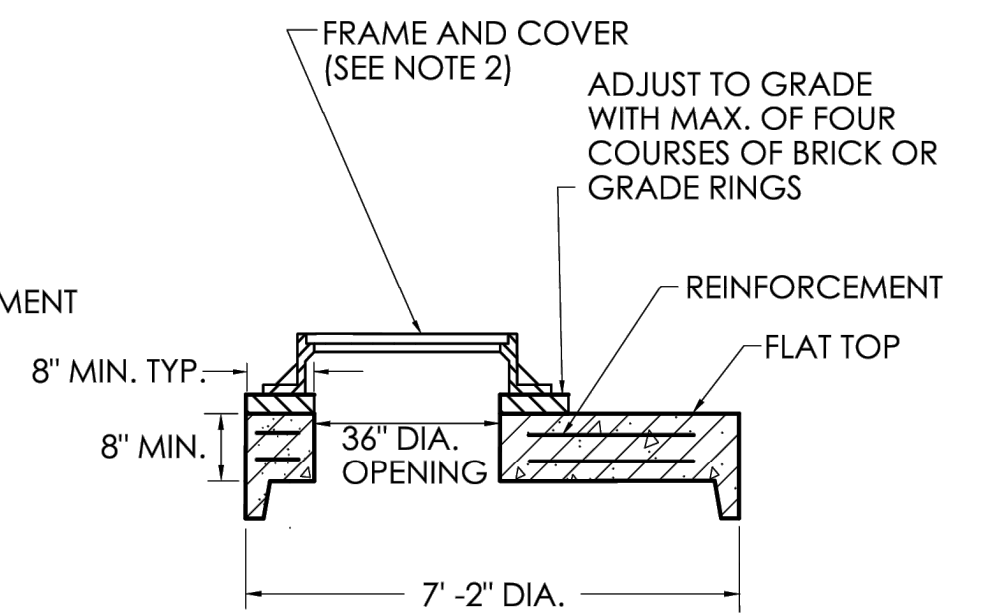
TRANSITION SECTION



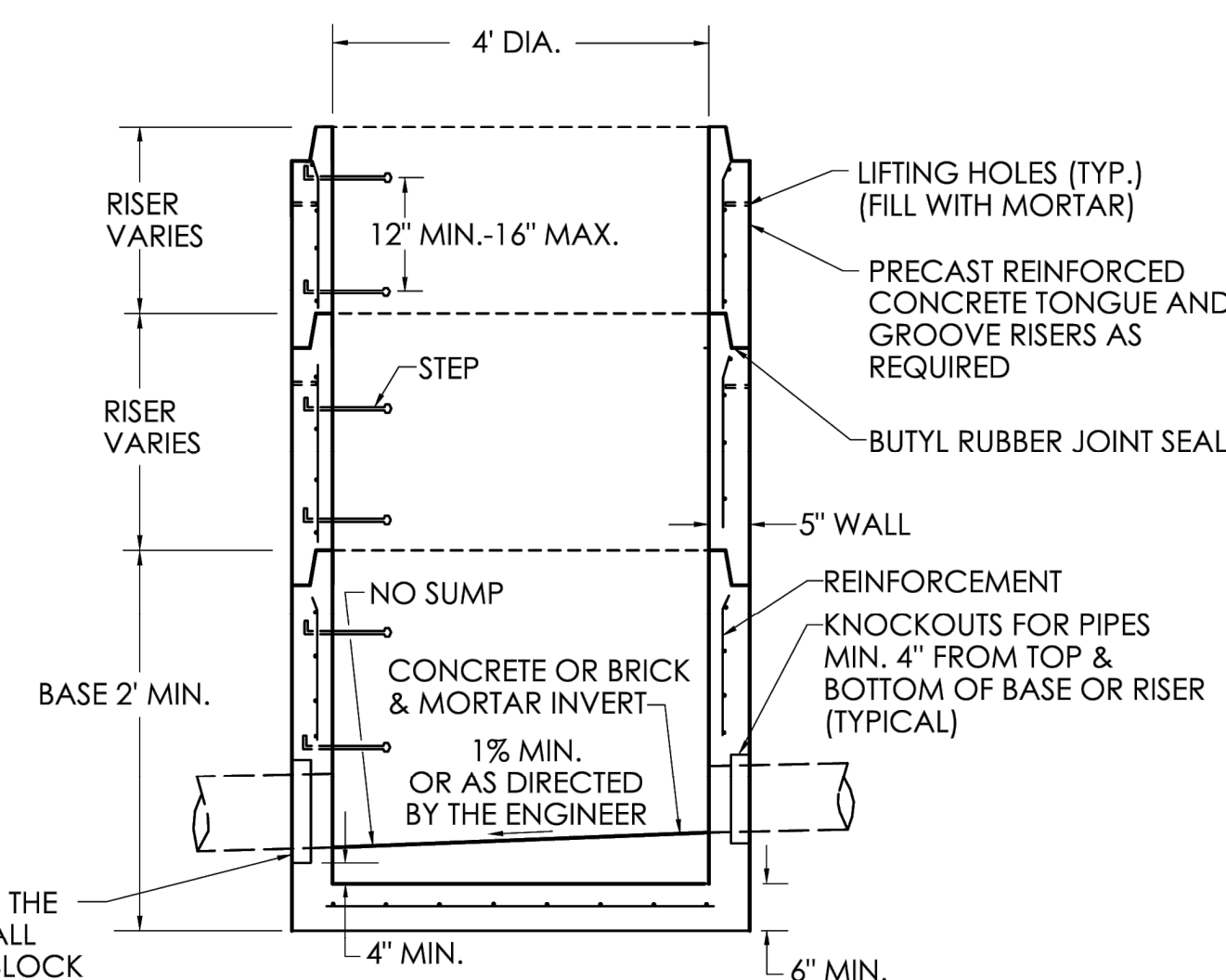
FLAT SLAB TOP FOR RISER SECTION



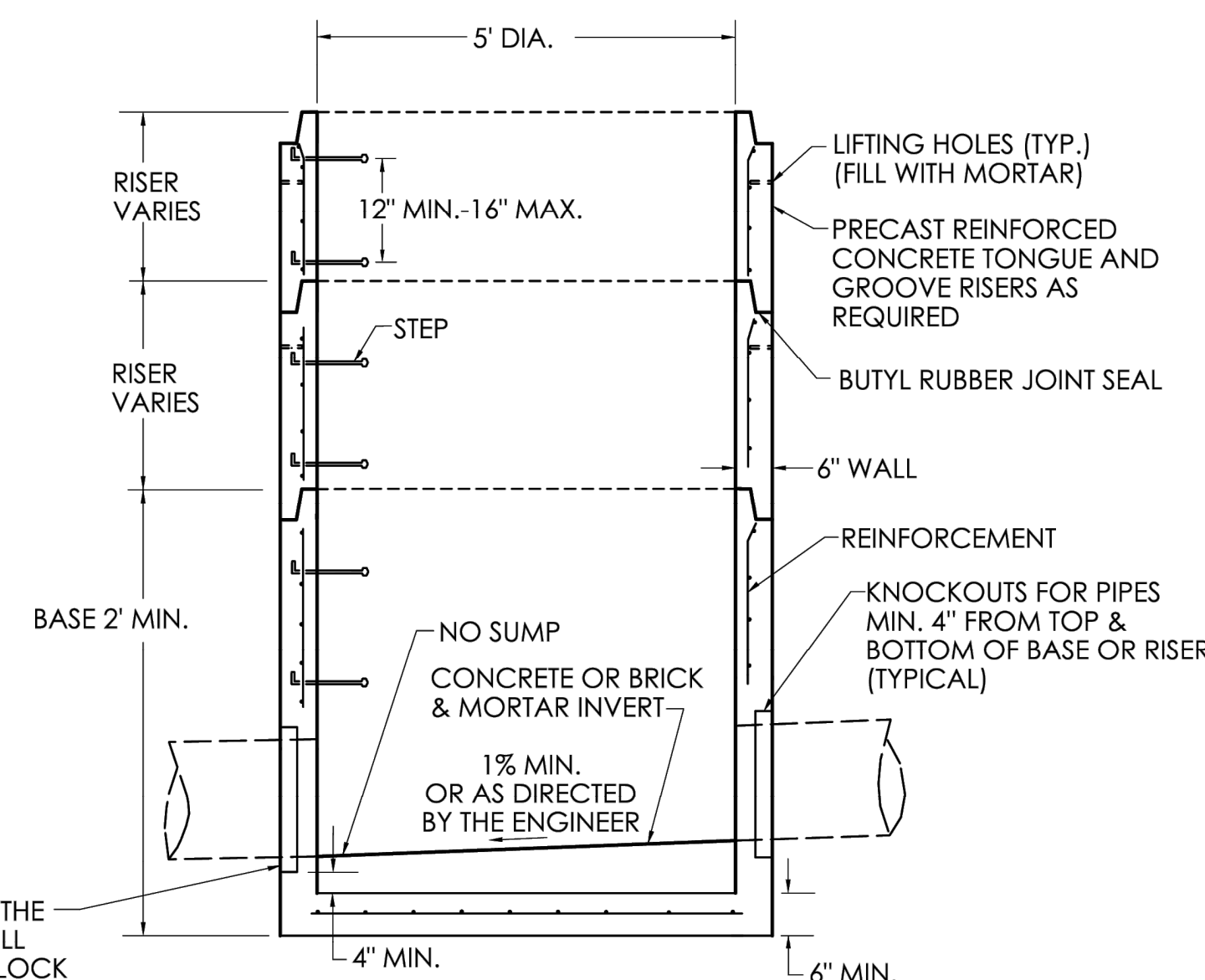
REDUCER SECTION



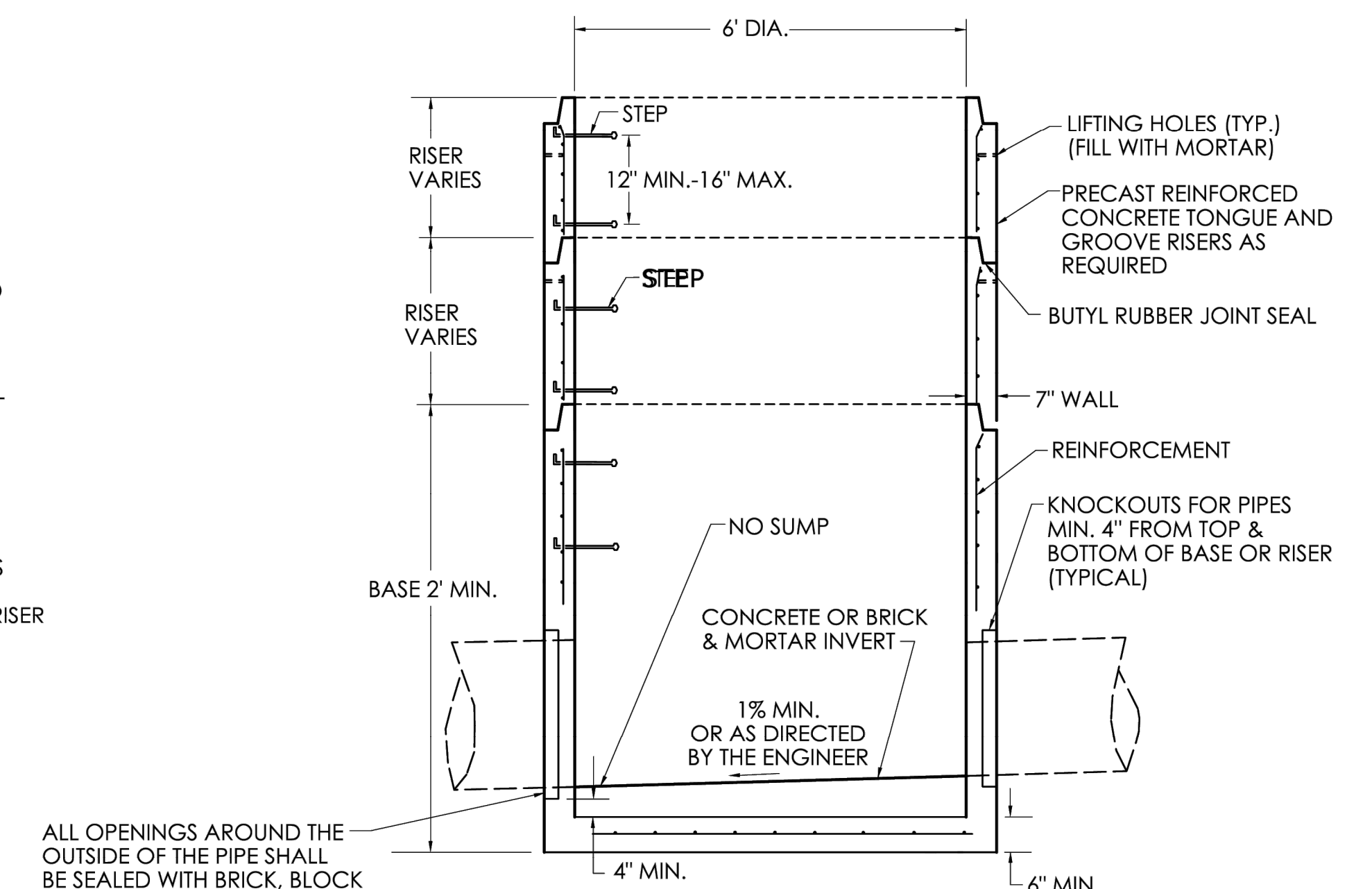
FLAT SLAB TOP FOR RISER SECTION



4' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION



5' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION



6' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION

SHEET NO.

15

STANDARD SHEET NO.:

HW-586_10c

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
10:15:25-05'00'

APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
13:04:29-05'00'



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

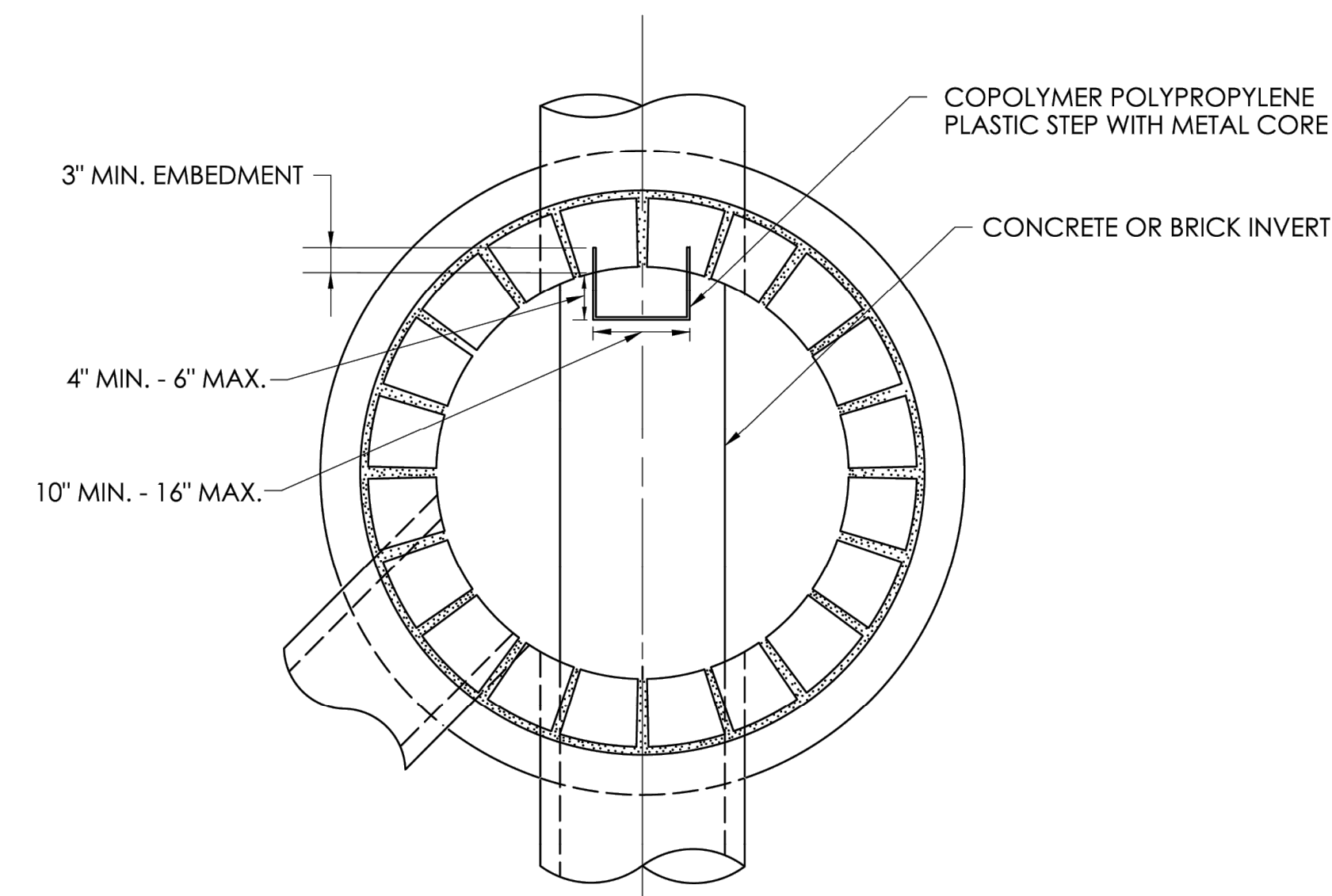
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:

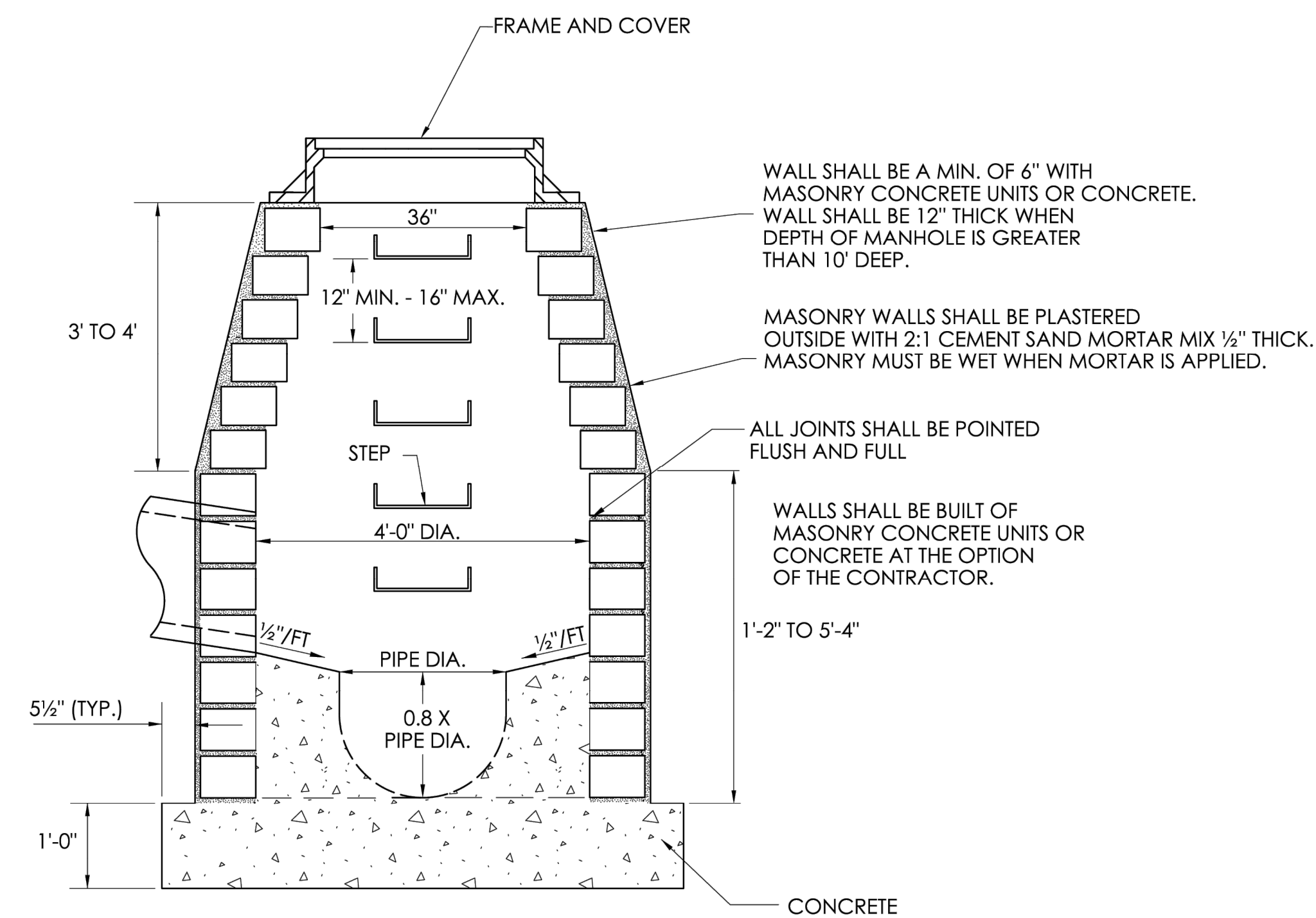
REINFORCED PRECAST CONCRETE MANHOLE

GENERAL NOTES:

1. SEE SHEET NO. HW-586_10g OR HW-586_10b FOR MANHOLE FRAME, GRATE AND COVER DETAIL.



PLAN



MANHOLE SECTION

SHEET NO.
16

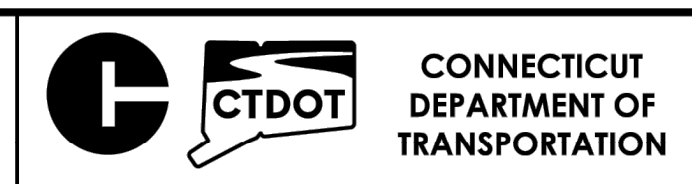
NOT TO SCALE

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
10:15:06-05'00'

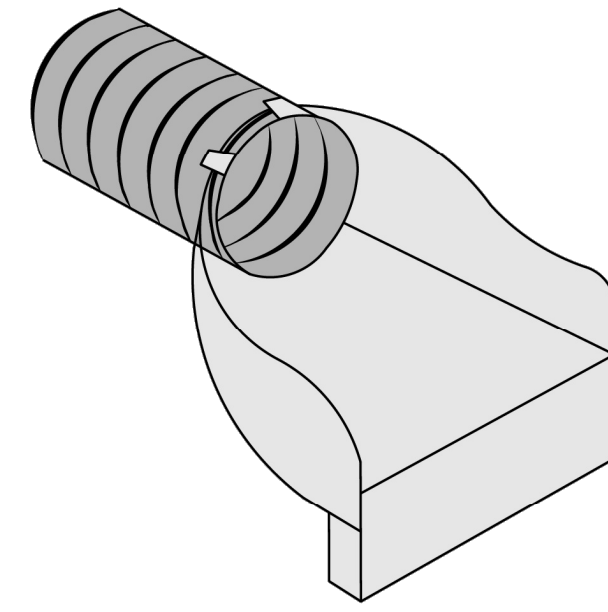
APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
13:05:17-05'00'



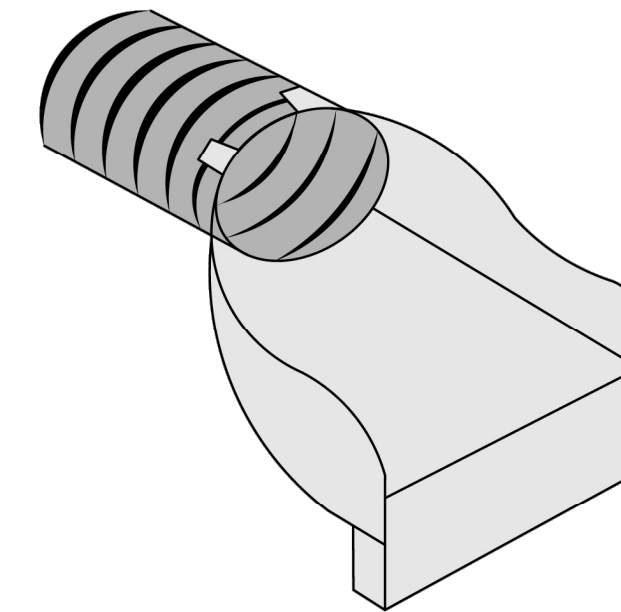
**CTDOT
STANDARD SHEET**

STANDARD SHEET TITLE:
MANHOLE NON - PRECAST CONCRETE UNIT

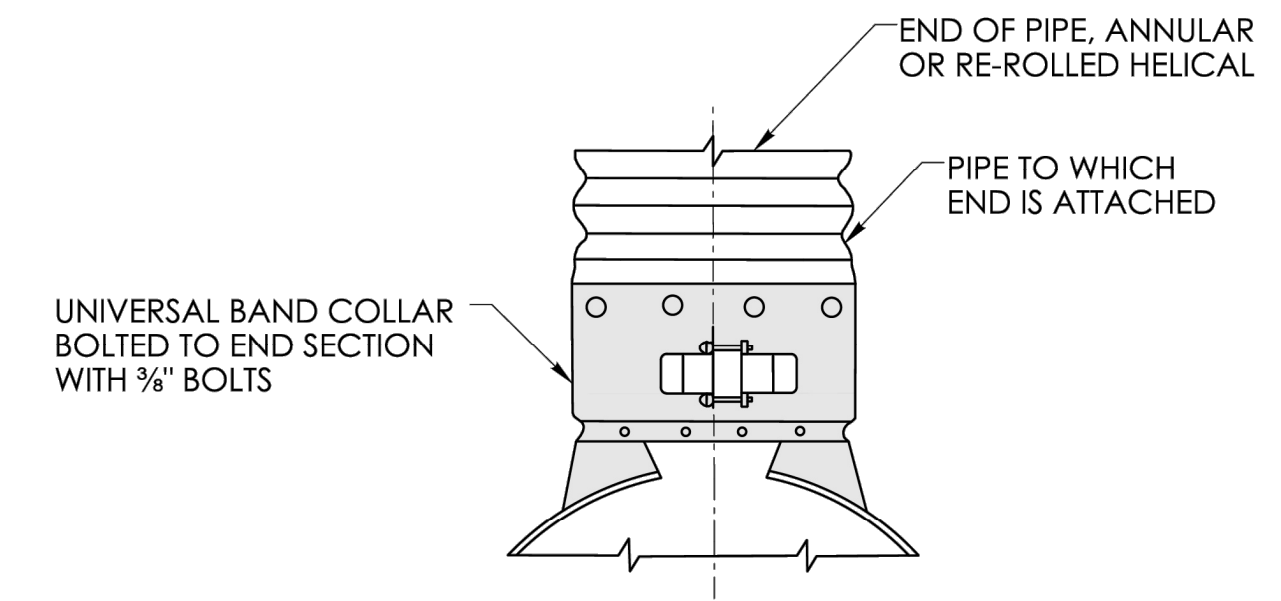
STANDARD SHEET NO.:
HW-586_10d



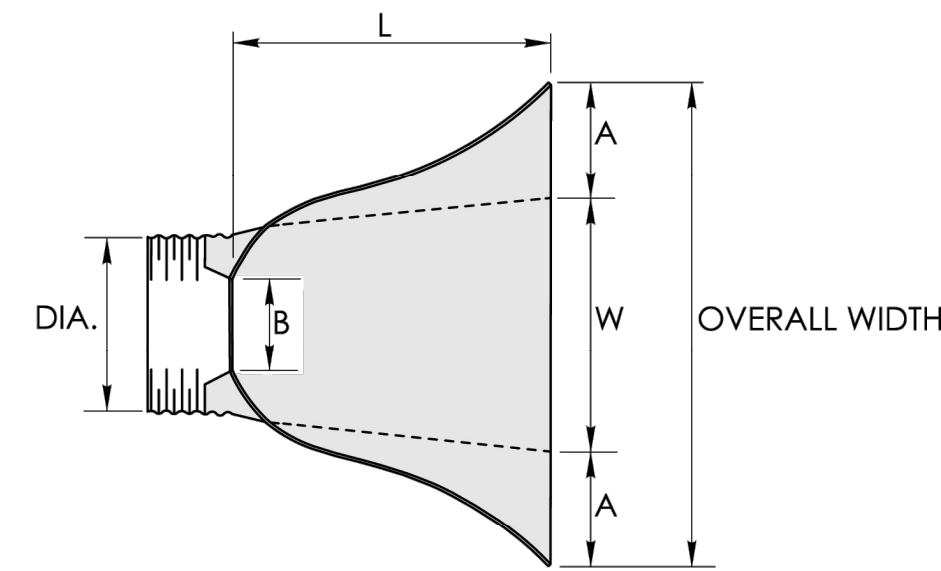
CORRUGATED METAL PIPE END



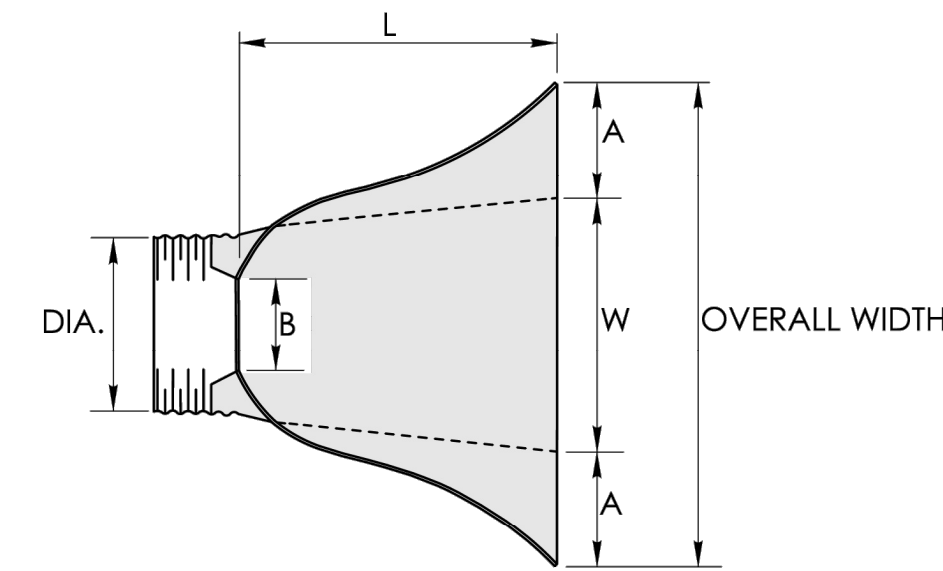
CORRUGATED ARCH METAL PIPE END



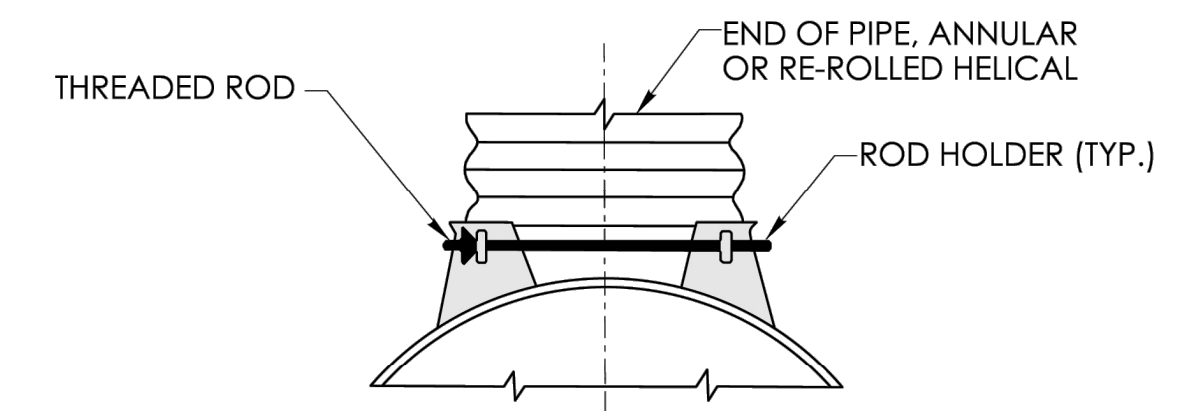
BAND CONNECTOR



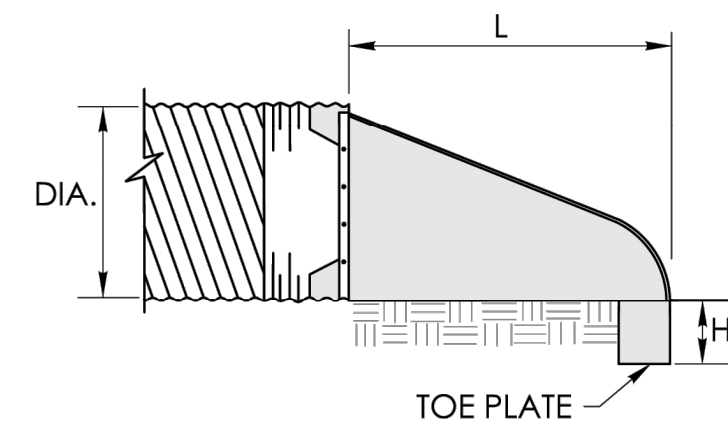
PLAN



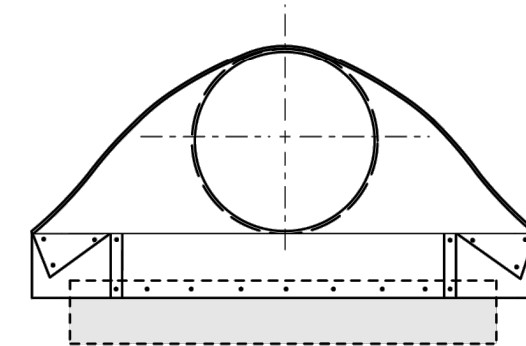
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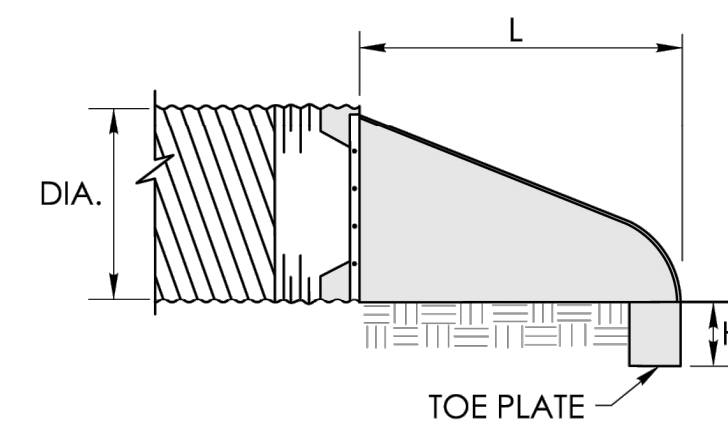
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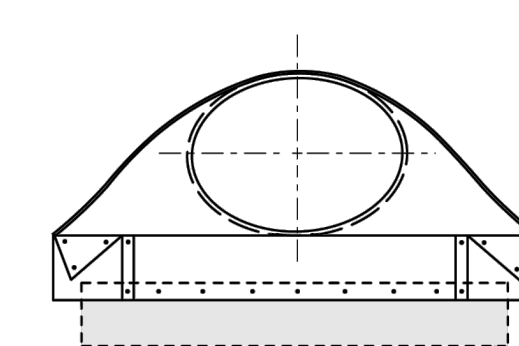
SECTION



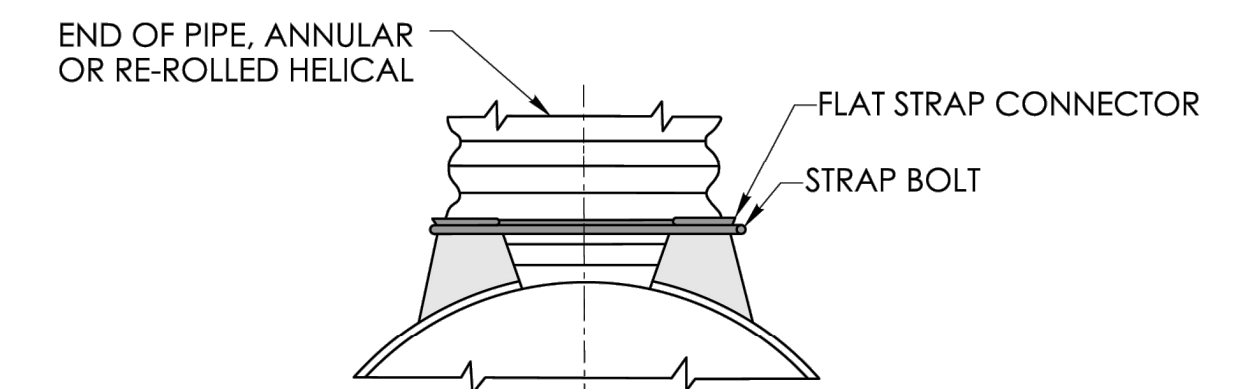
ELEVATION



SECTION



ELEVATION



STRAP CONNECTOR

END SECTION FOR ROUND METAL PIPE							
PIPE DIAMETER INCHES	GAGE	A (+1 INCH) INCHES	B (MAX.) INCHES	H (+1 INCH) INCHES	L (+2 INCH) INCHES	W (+2 INCH) INCHES	OVERALL WIDTH (+4 INCH) INCHES
12	16	6	6	6	21	24	36
15	16	7	8	6	26	30	44
18	16	8	10	6	31	36	52
24	16	10	13	6	41	48	68
30	14	12	16	8	50	60	84
36	14	14	19	9	60	72	100
42	12	16	22	11	69	84	116
48	12	18	27	12	78	90	126
54	12	18	30	12	84	102	138
60	1 1/10	18	33	12	87	114	150
66	1 1/10	18	36	12	87	120	156
72	1 1/10	18	39	12	87	126	162
78	1 1/10	18	42	12	87	132	168
84	1 1/10	18	45	12	87	138	174

END SECTION FOR METAL PIPE-ARCH							
ARCH SIZE SPAN/RISE	GAGE	A (+1 INCH) INCHES	B (MAX.) INCHES	H (+1 INCH) INCHES	L (+2 INCH) INCHES	W (+2 INCH) INCHES	OVERALL WIDTH (+4 INCH) INCHES
17" x 13"	16	7	9	6	19	30	44
21" x 13"	16	7	10	6	23	36	50
24" x 18"	16	8	12	6	28	42	58
28" x 20"	16	9	14	6	32	48	66
35" x 24"	14	10	16	6	39	60	80
42" x 29"	14	12	18	8	46	75	99
49" x 33"	12	13	21	9	53	85	111
57" x 38"	12	18	26	12	63	90	126
64" x 43"	12	18	30	12	70	102	138
71" x 47"	1 1/10	18	33	12	77	114	150
77" x 52"	1 1/10	18	36	12	77	126	162
83" x 57"	1 1/10	18	39	12	77	138	174

SHEET NO.
17

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
14:02:01-05'00'

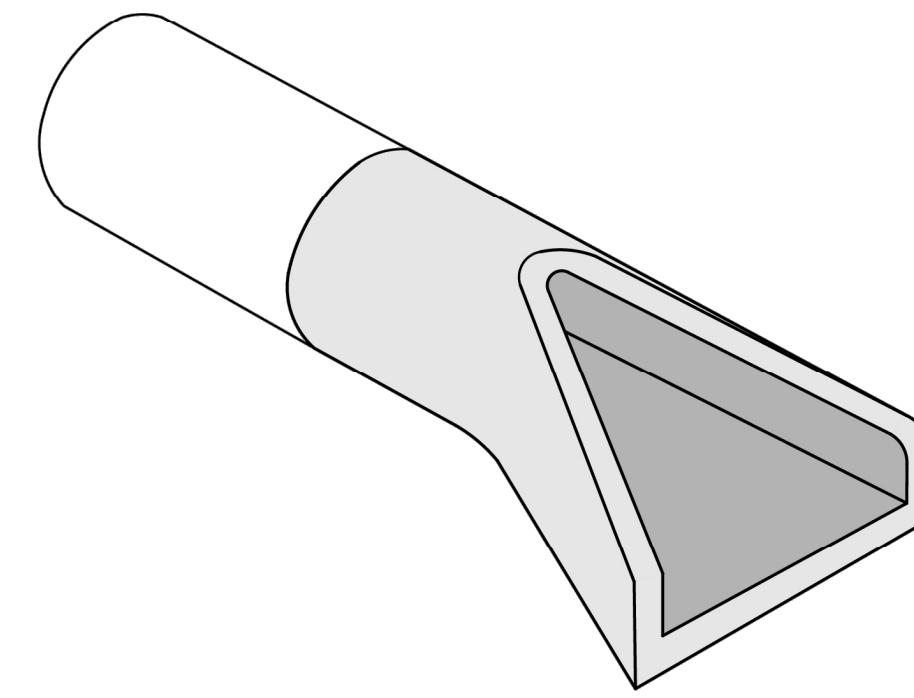
APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
13:09:03-05'00'



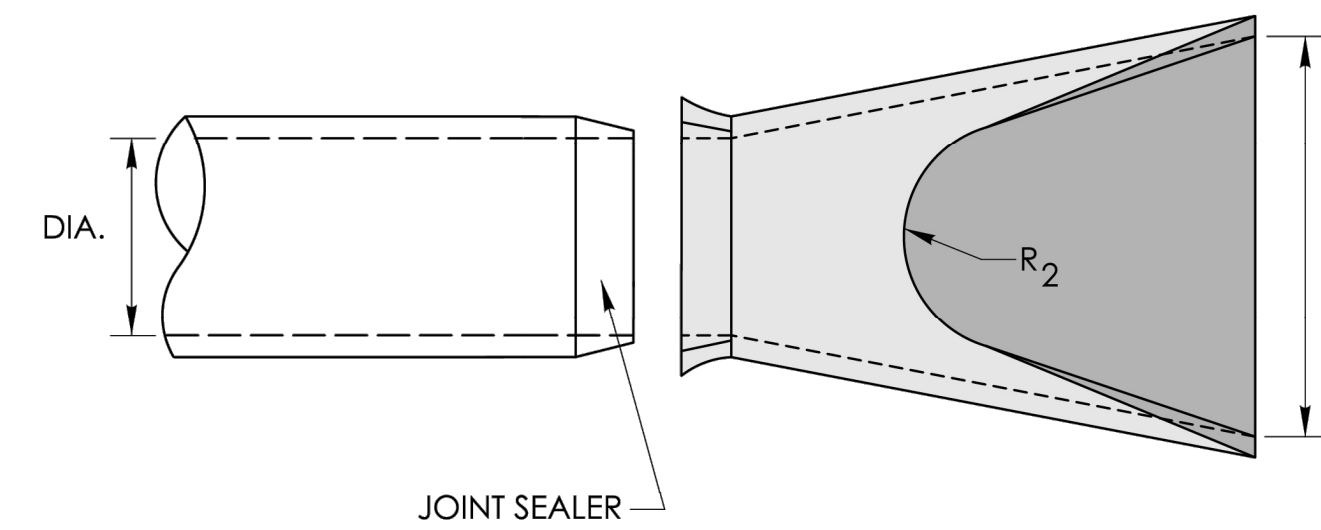
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
DRAINAGE PIPE ENDS SHEET 1

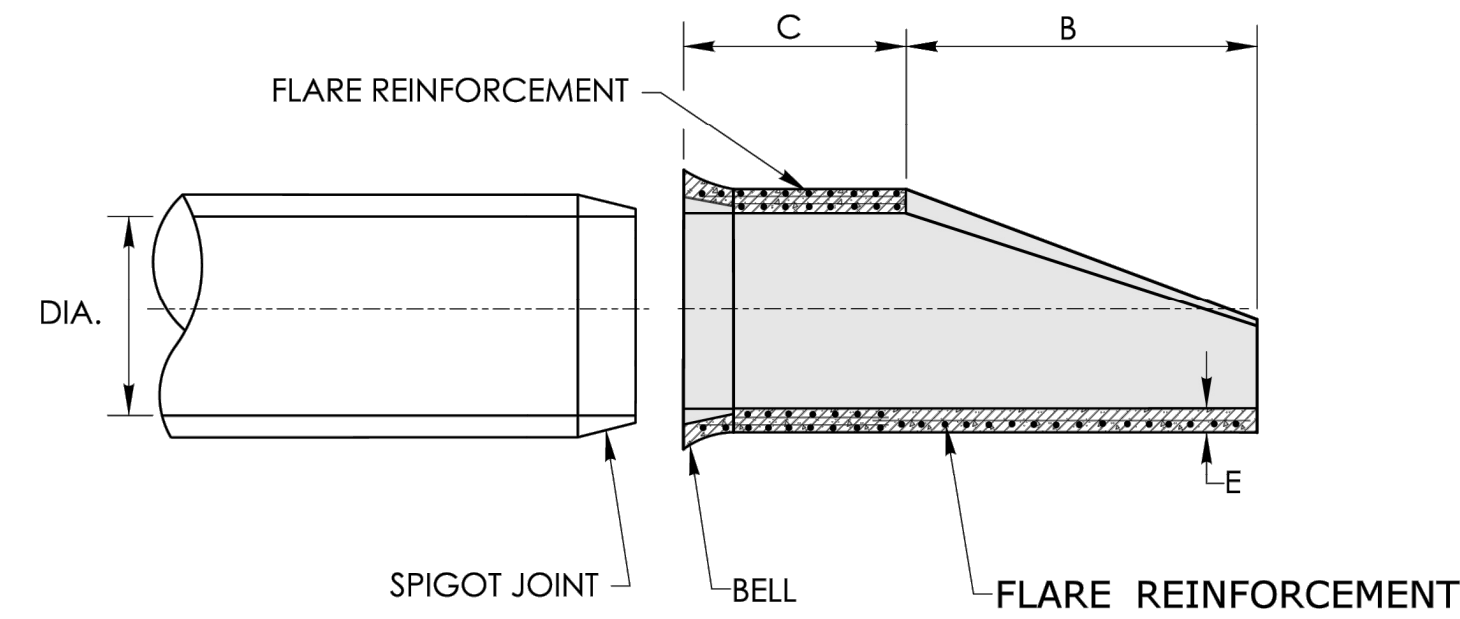
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HW-686_02a



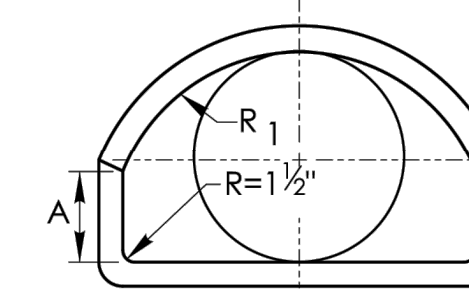
PRECAST CONCRETE PIPE END



PLAN



SECTION



ELEVATION

PIPE DIAMETER INCHES	END SECTION FOR REINFORCED CONCRETE PIPE END							FLARE REINFORCEMENT ONE LAYER ONLY IN CENTER OF WALL	
	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	R ₁ INCHES	R ₂ INCHES	MIN. AREA OF LONGITUDINAL STEEL SQ. IN PER FT.	MIN. AREA OF TRANSVERSE STEEL SQ. IN PER FT.
12	4	24	48 7/8	24	3	10 1/4	9	0.048	0.048
15	6	27	46	30	3	12 1/2	11	0.054	0.054
18	9	27	46	36	3	15 1/2	12	0.060	0.060
24	9 1/2	43 1/2	30	48	3	16 13/16	14	0.072	0.072
30	12	54	19 3/4	60	3 1/2	18 1/2	15	0.084	0.084
36	15	63	34 3/4	72	4	24 5/16	20	0.096	0.096
42	21	63	35	78	4 1/2	27 1/2	22	0.108	0.108
48	24	72	26	84	5	28 1/2	22	0.120	0.120
54	27	65	35	90	5 1/2	33 1/8	24	0.132	0.132
60	30	60	39	96	6	36 1/16	24	0.144	0.144

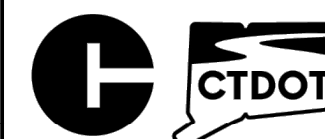
SHEET NO.
18

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.16
14:01:43-05'00'

APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.21
13:10:02-05'00'

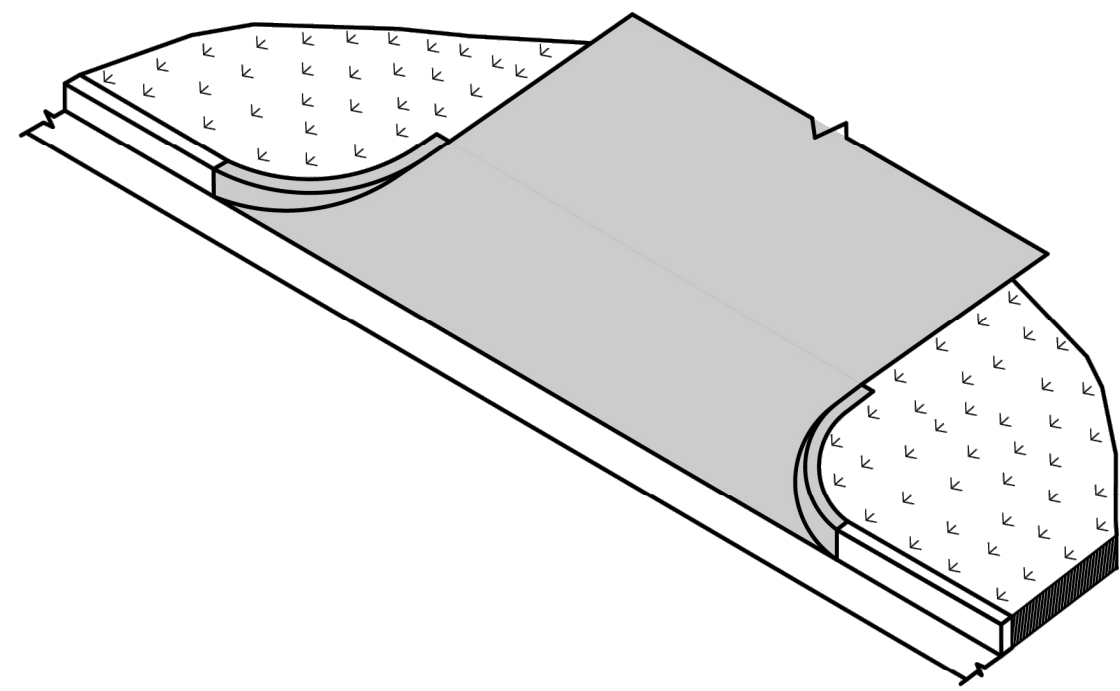


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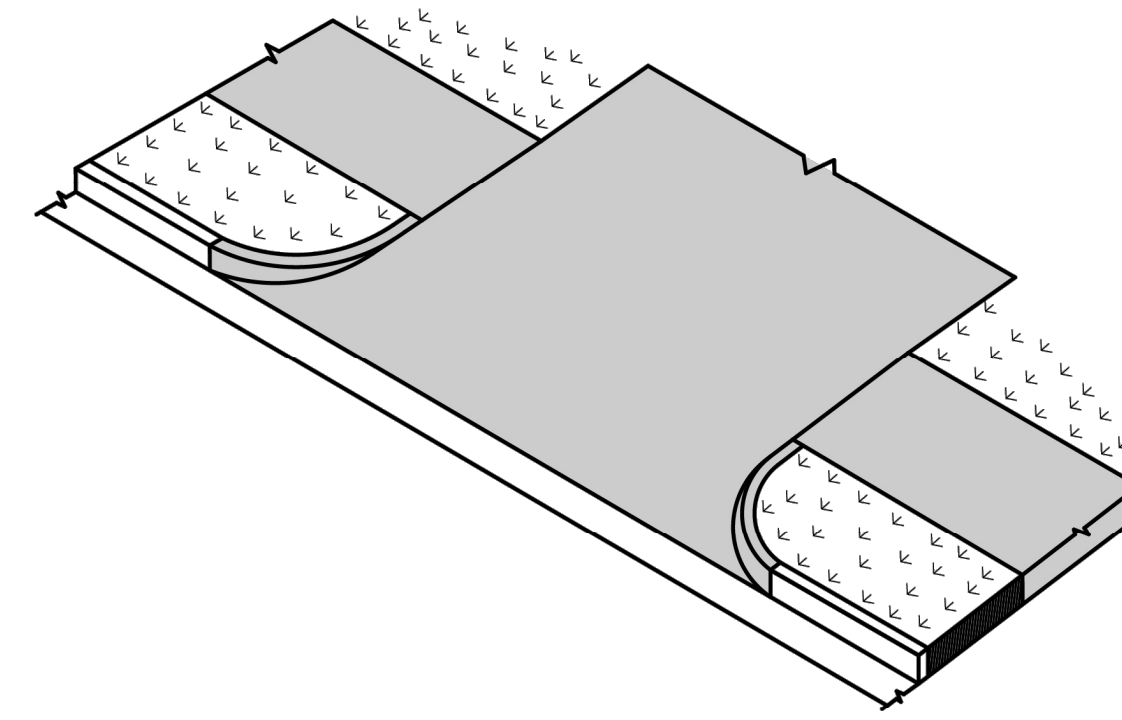
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STANDARD SHEET

STANDARD SHEET TITLE:

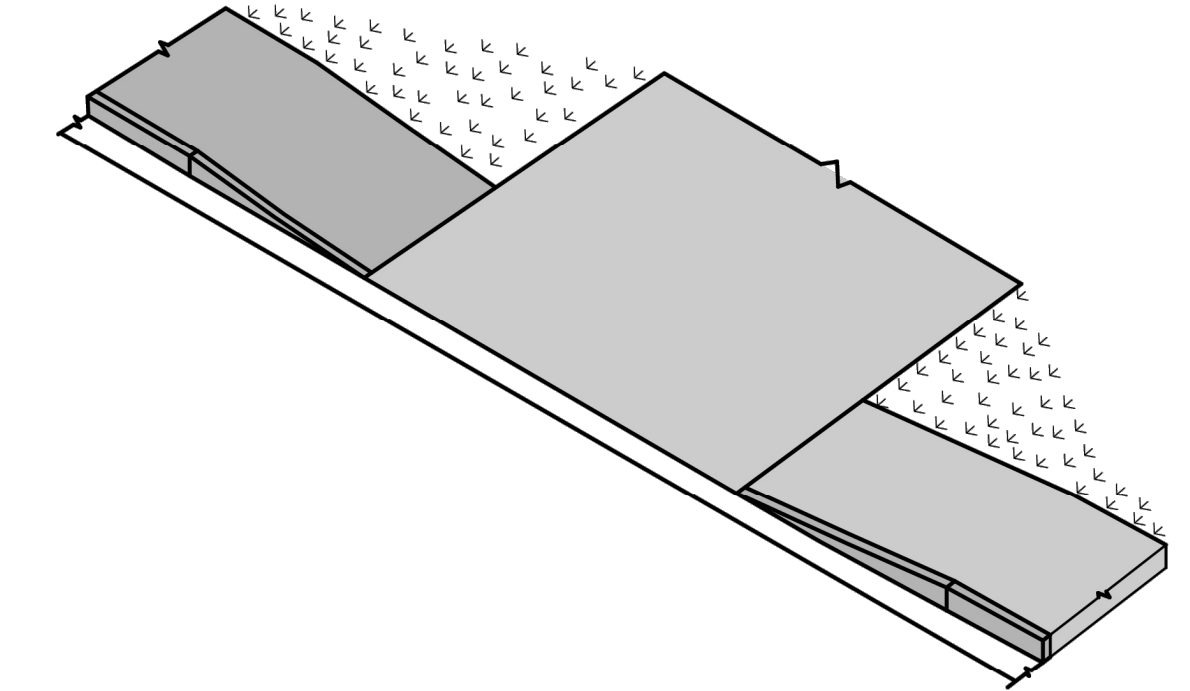
DRAINAGE PIPE ENDS SHEET 2



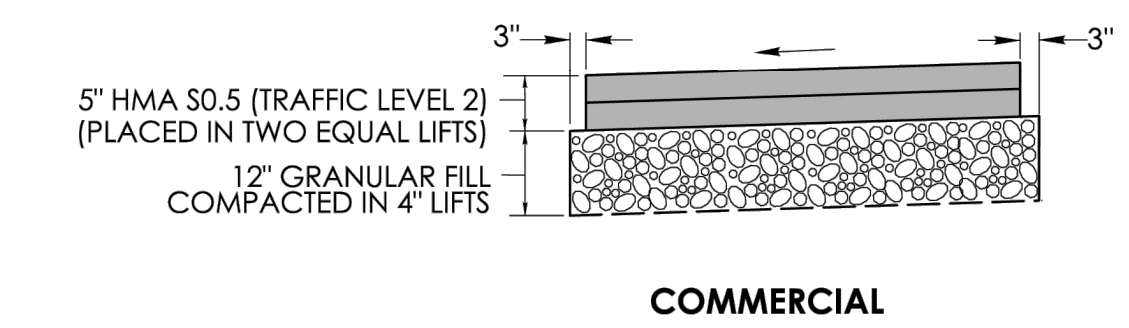
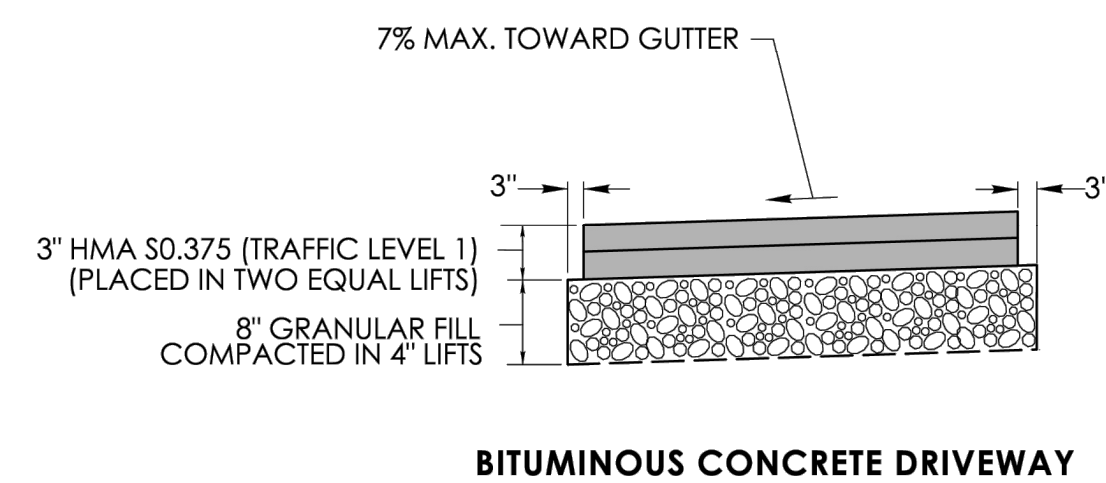
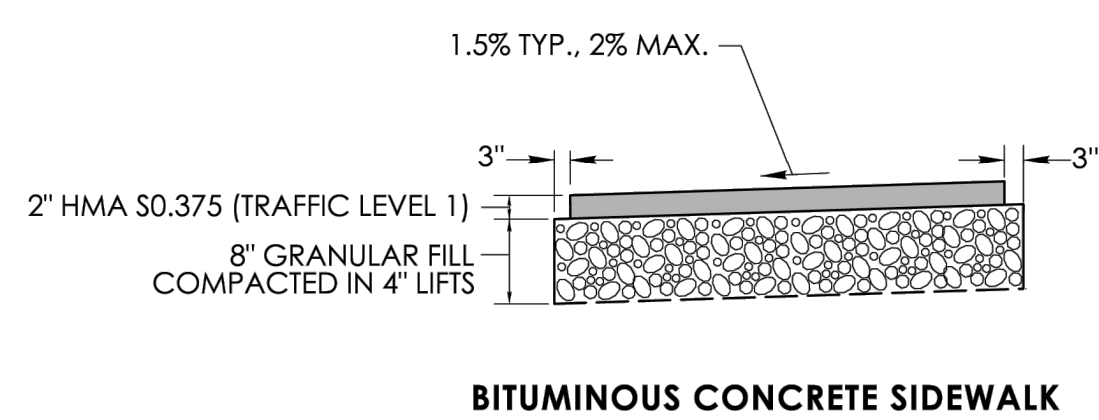
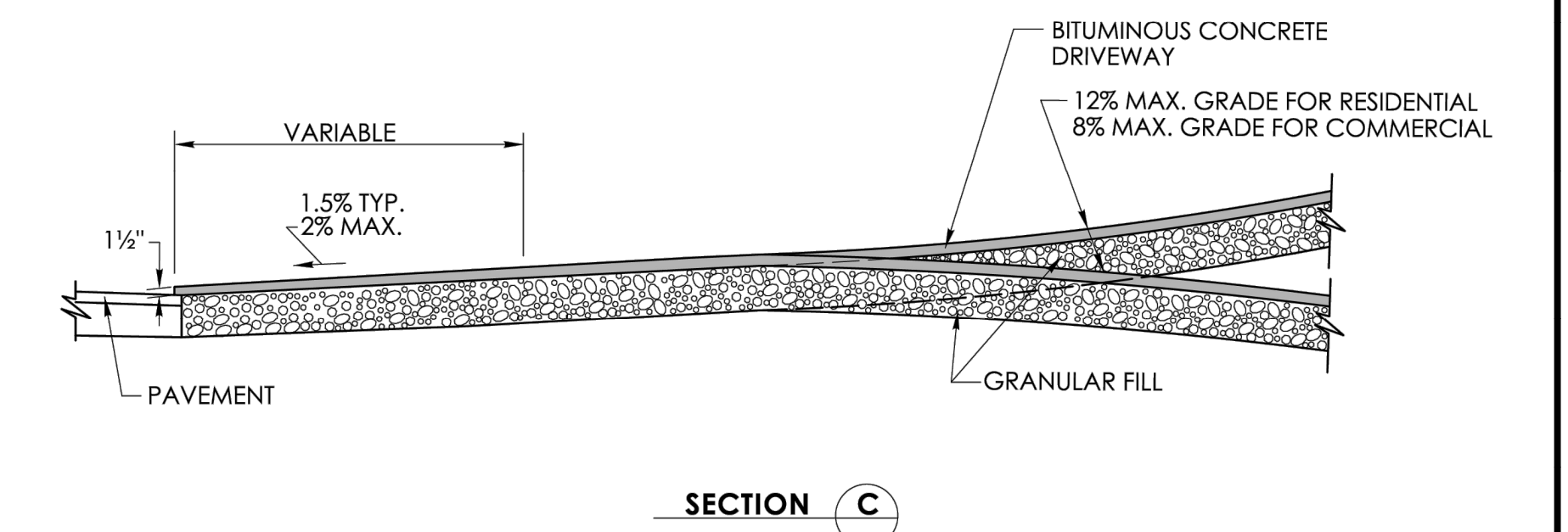
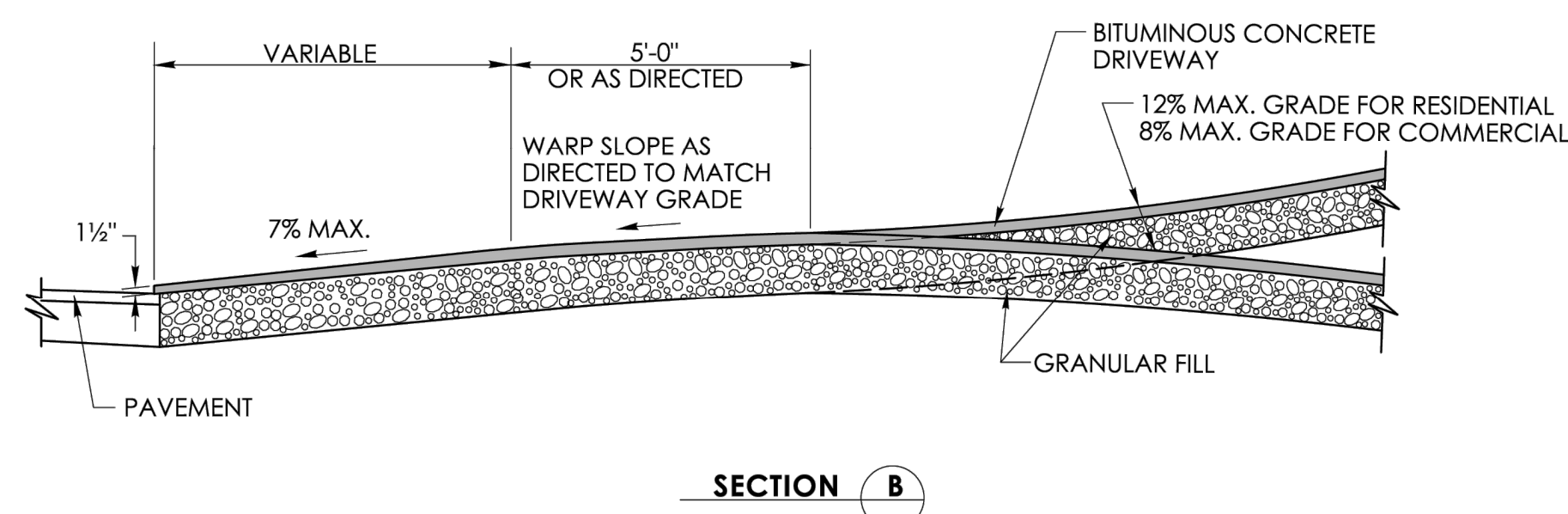
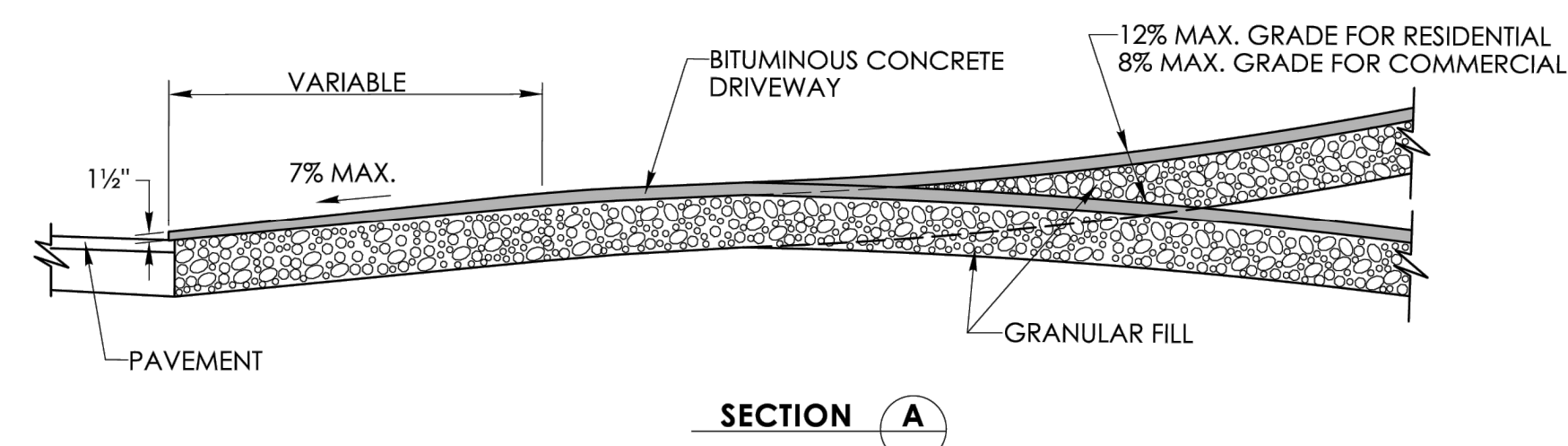
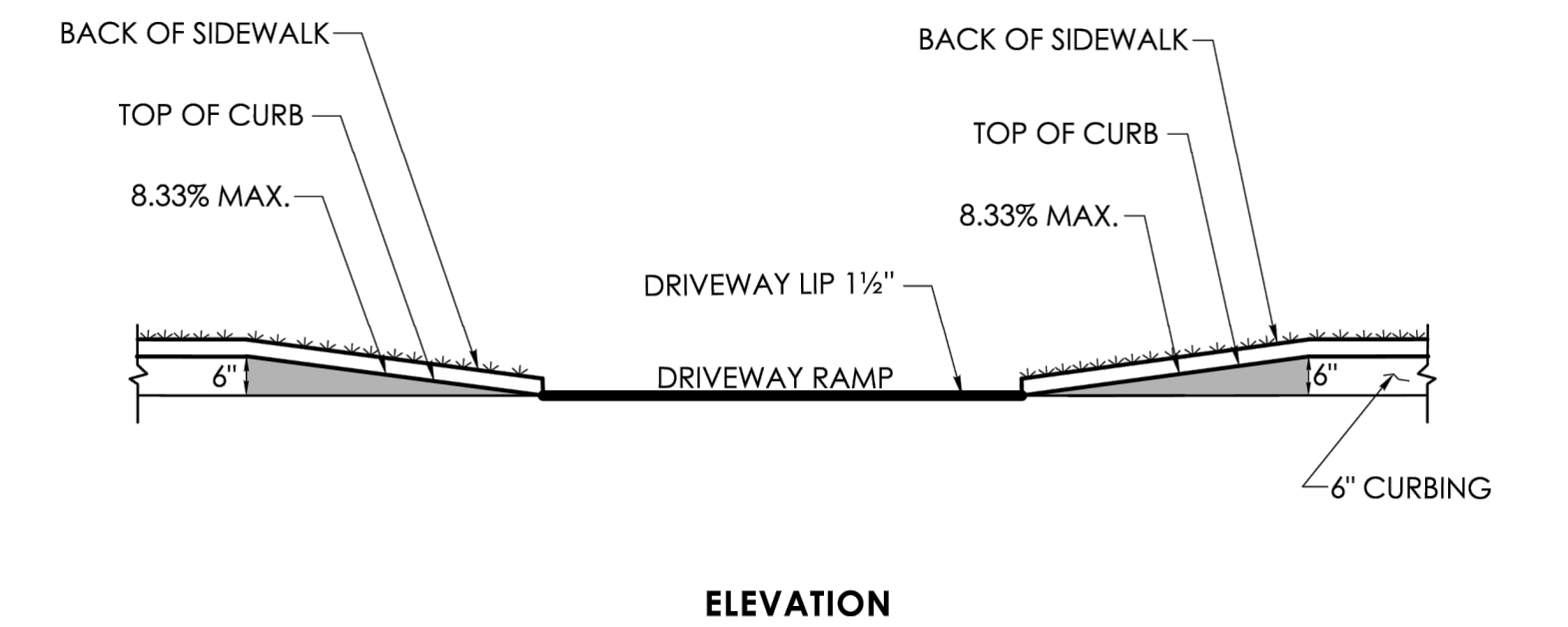
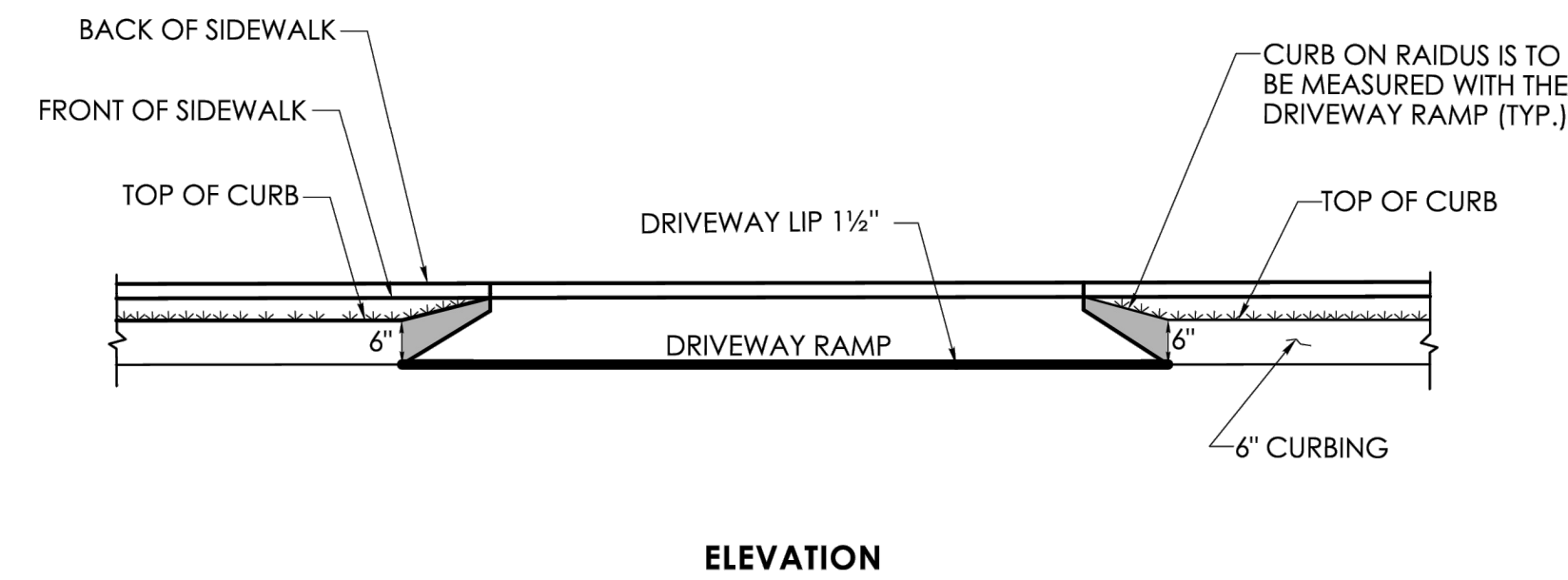
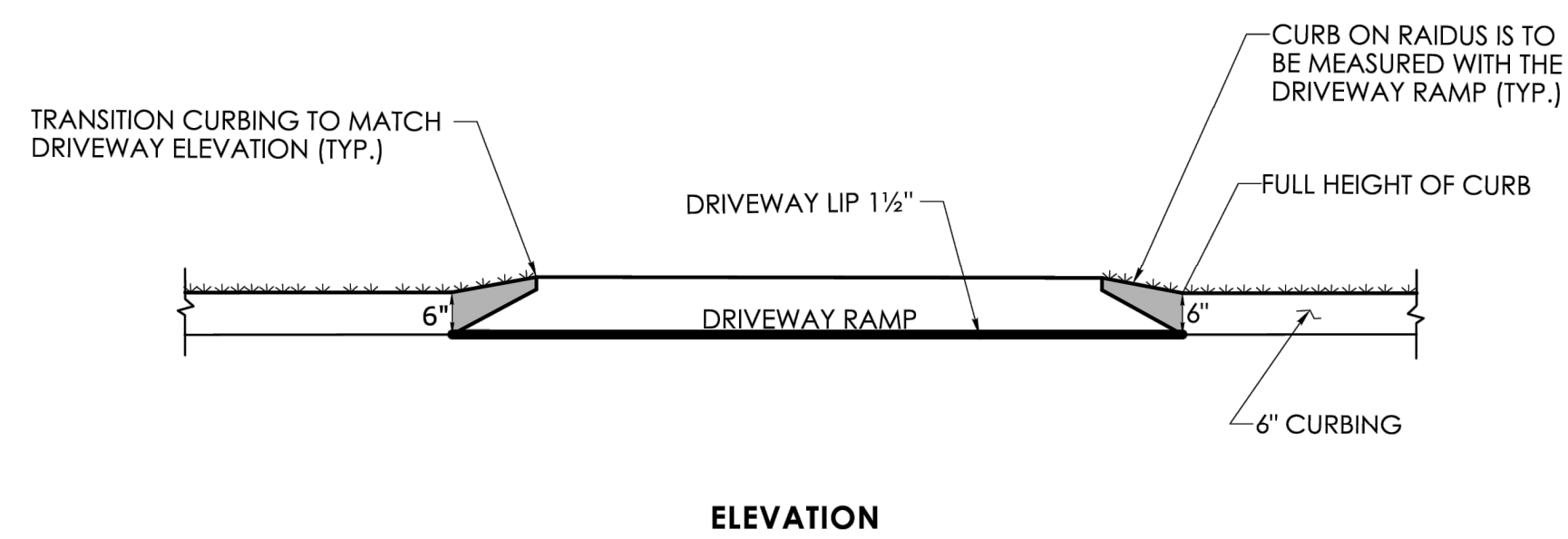
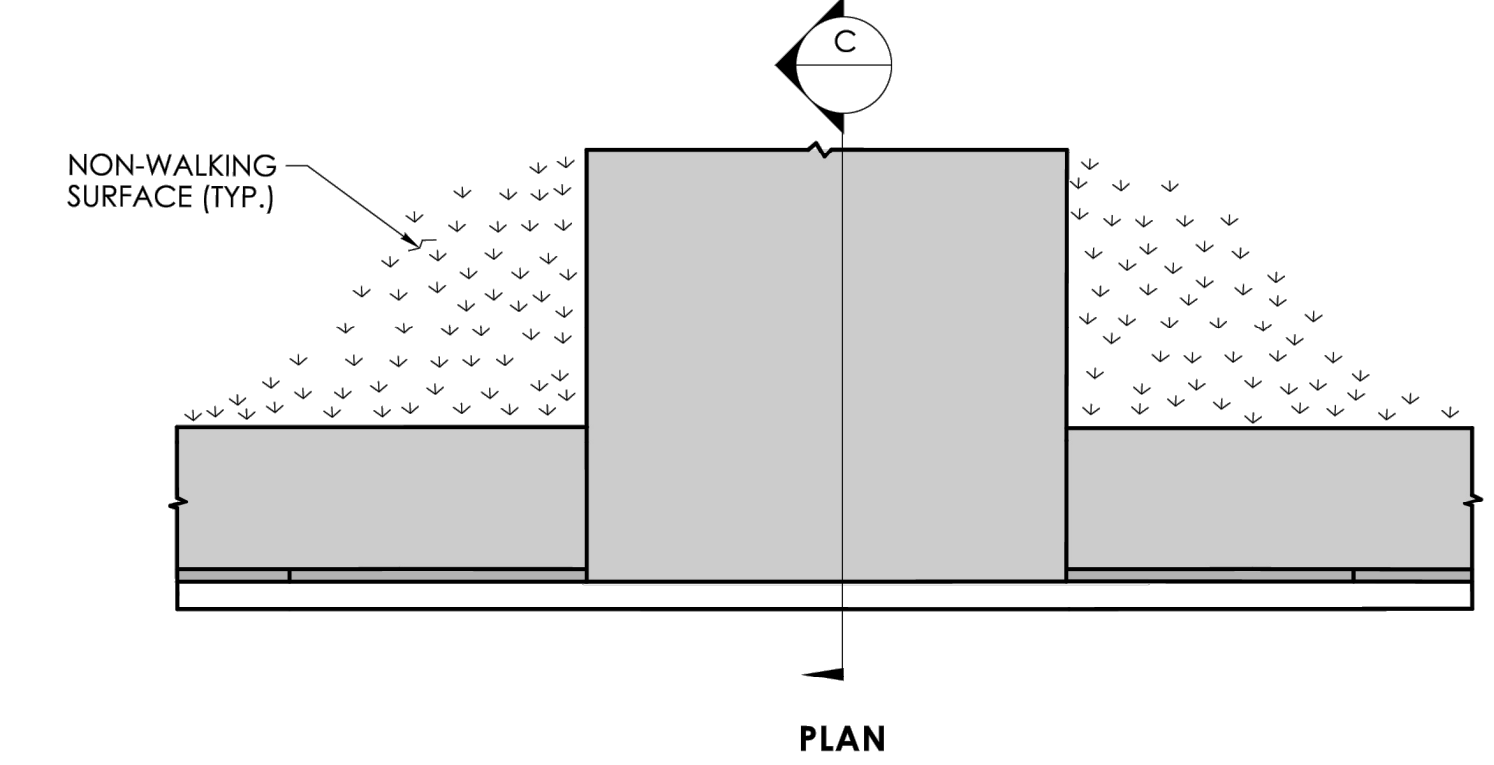
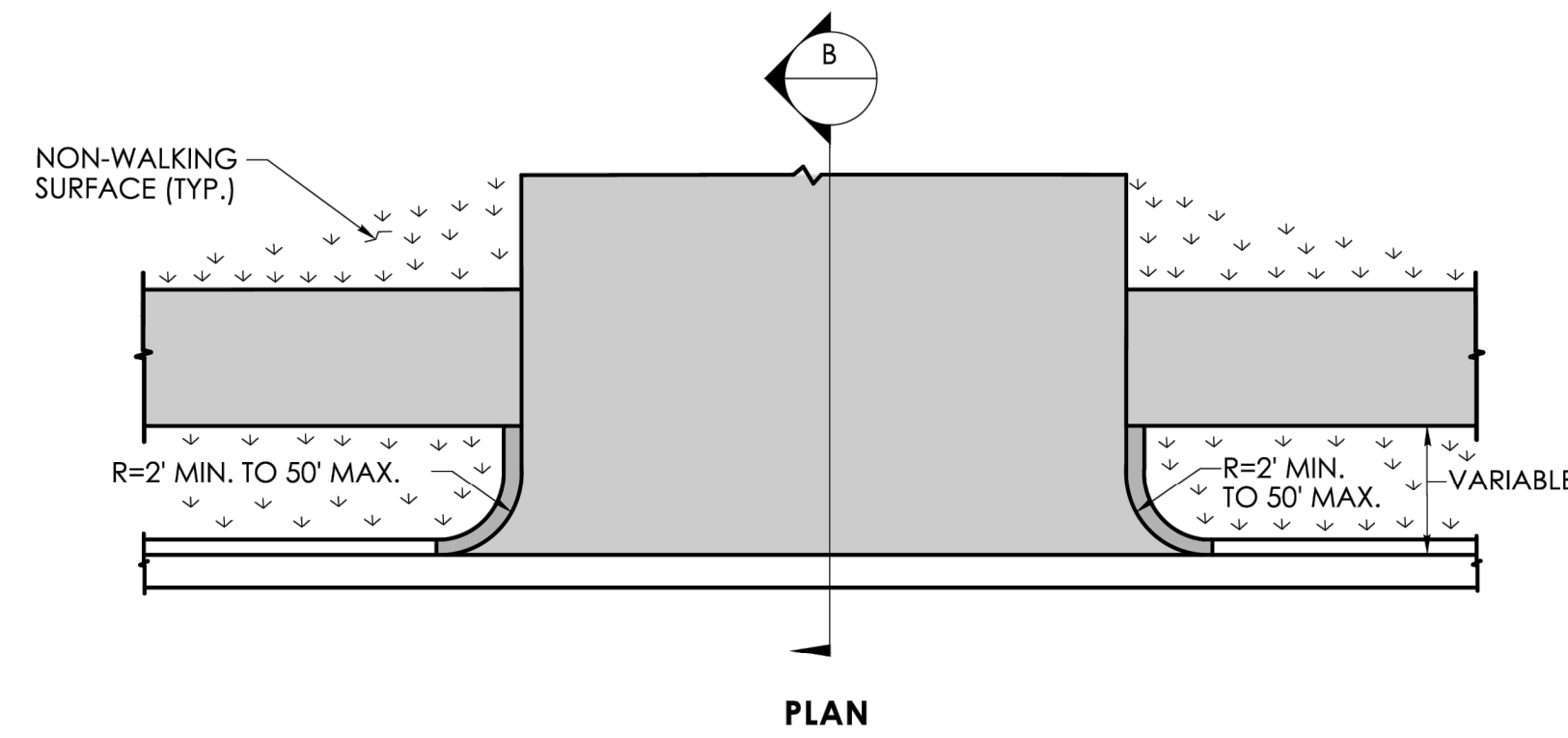
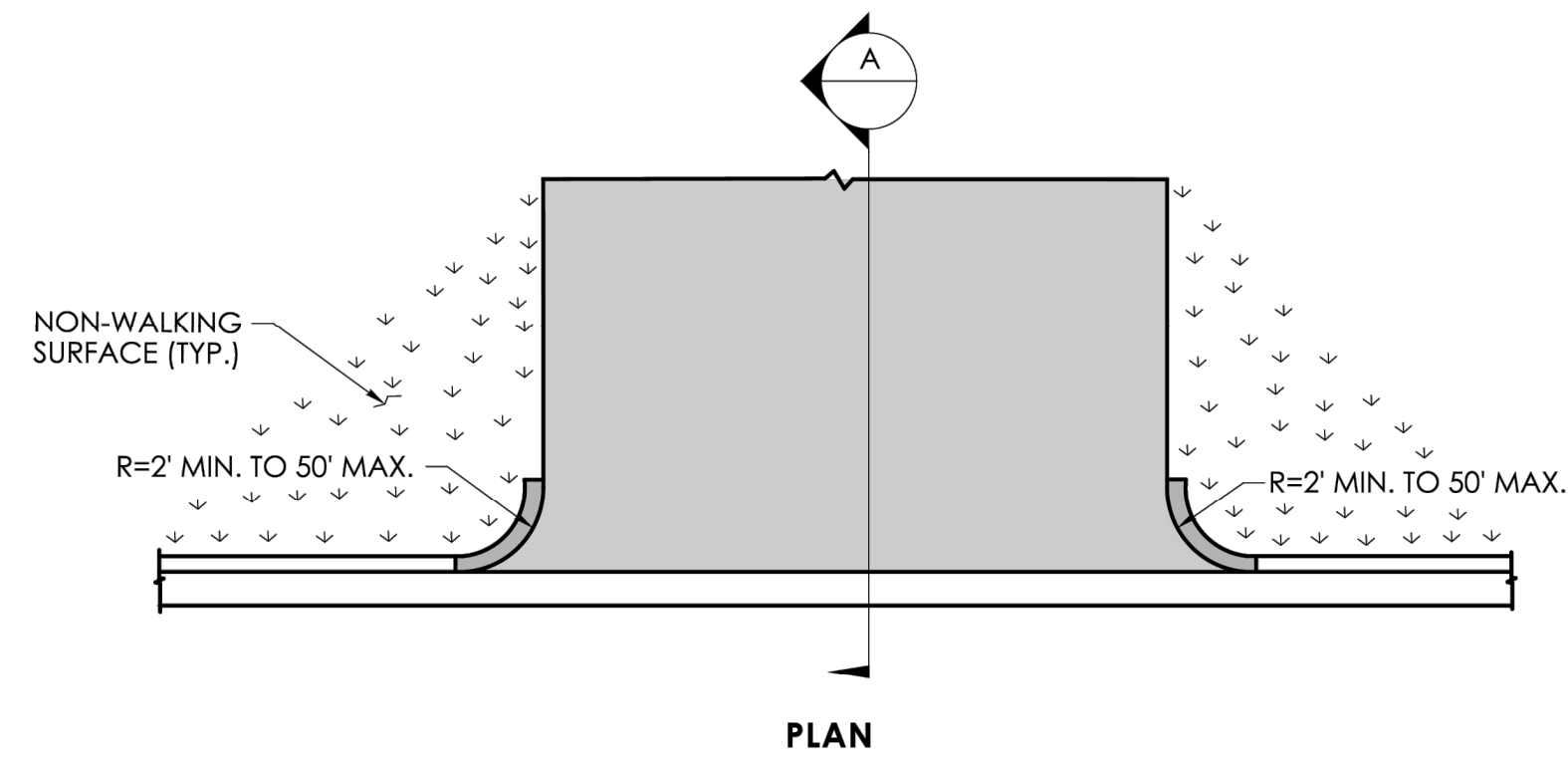
BITUMINOUS CONCRETE DRIVEWAY



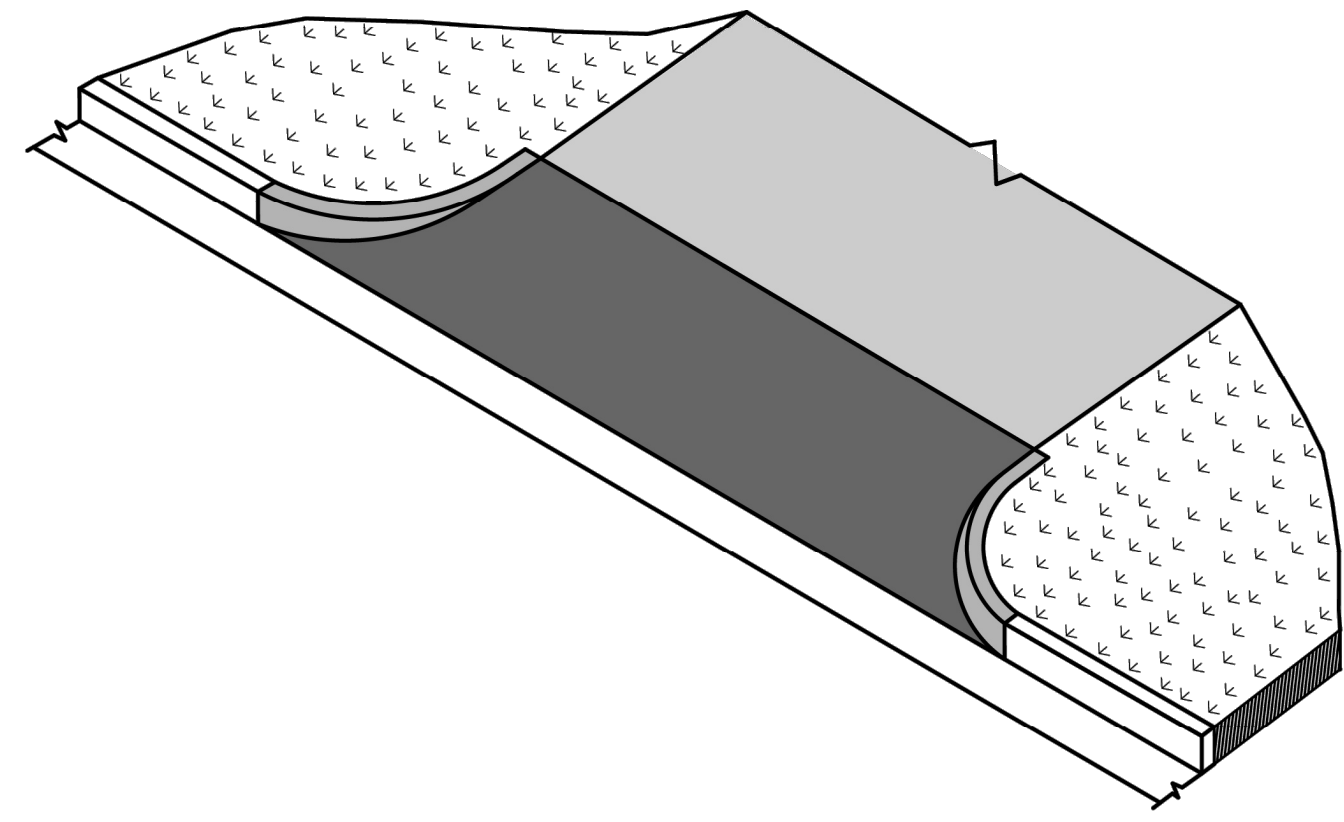
BITUMINOUS CONCRETE DRIVEWAY WITH A PEDESTRIAN SIDEWALK SETBACK



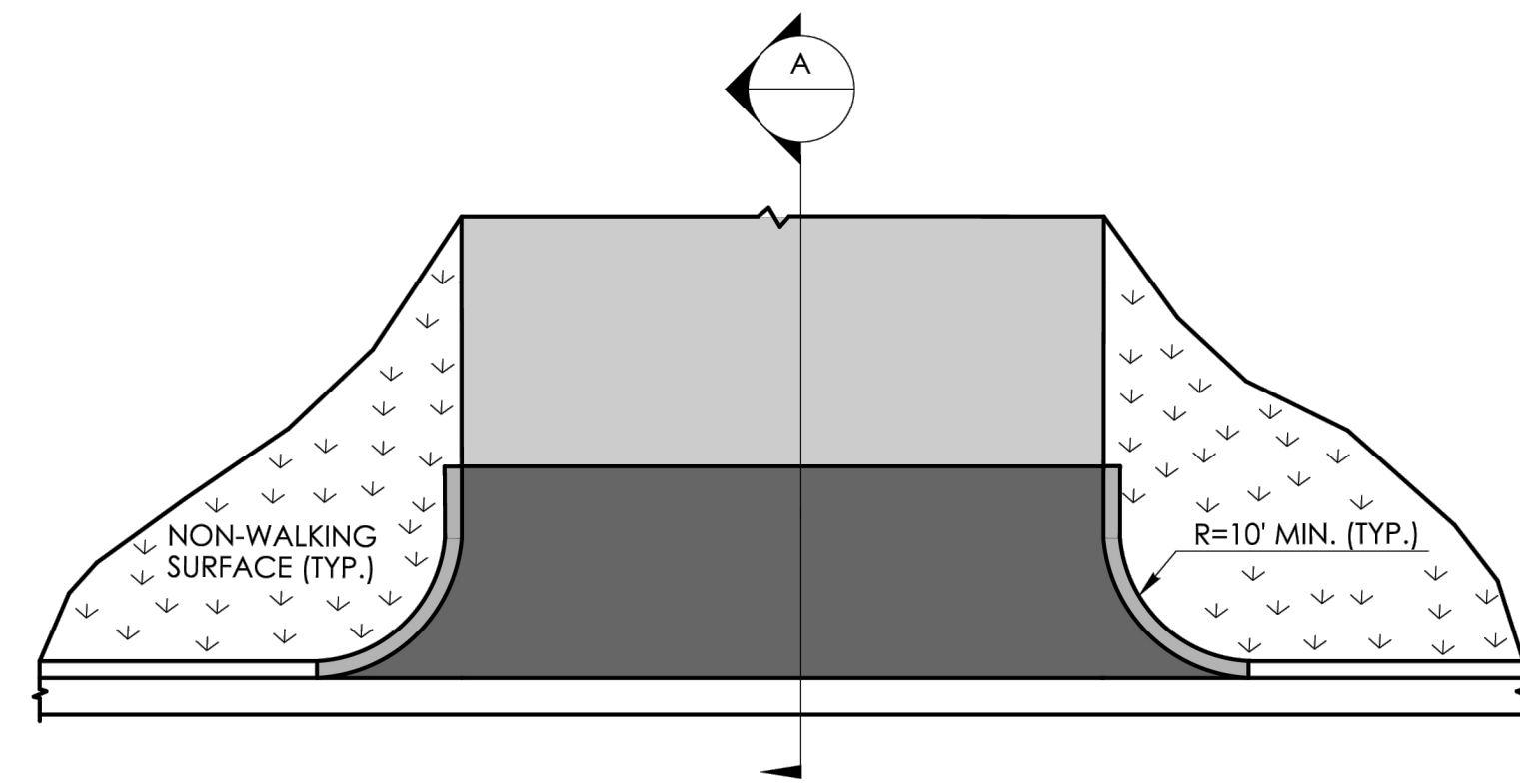
BITUMINOUS CONCRETE DRIVEWAY WITH PEDESTRIAN SIDEWALK AT THE CURB



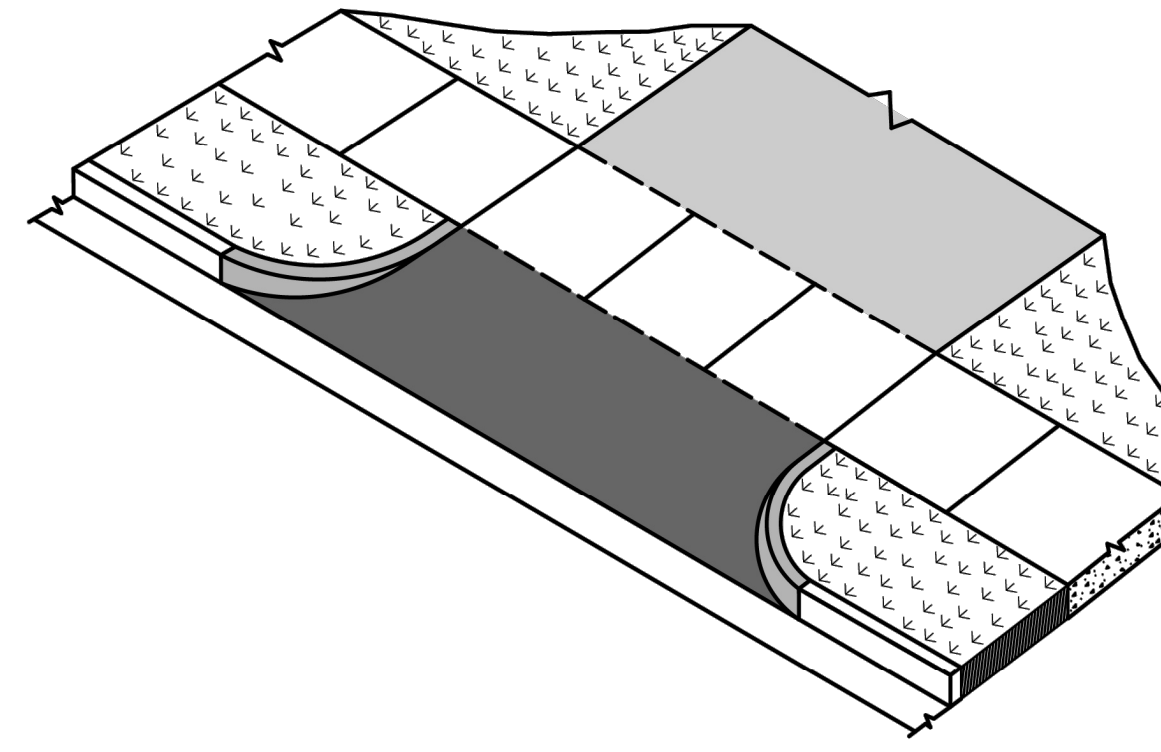
SHEET NO.	19
STANDARD SHEET NO.:	HW-922_01



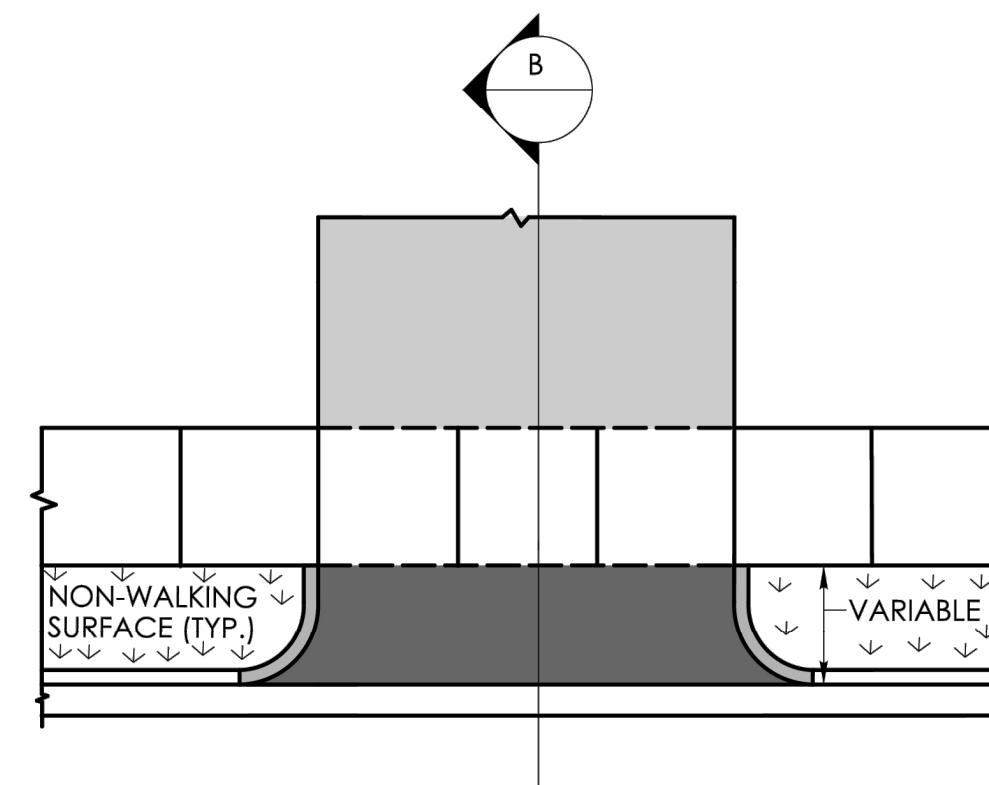
CONCRETE DRIVEWAY RAMP



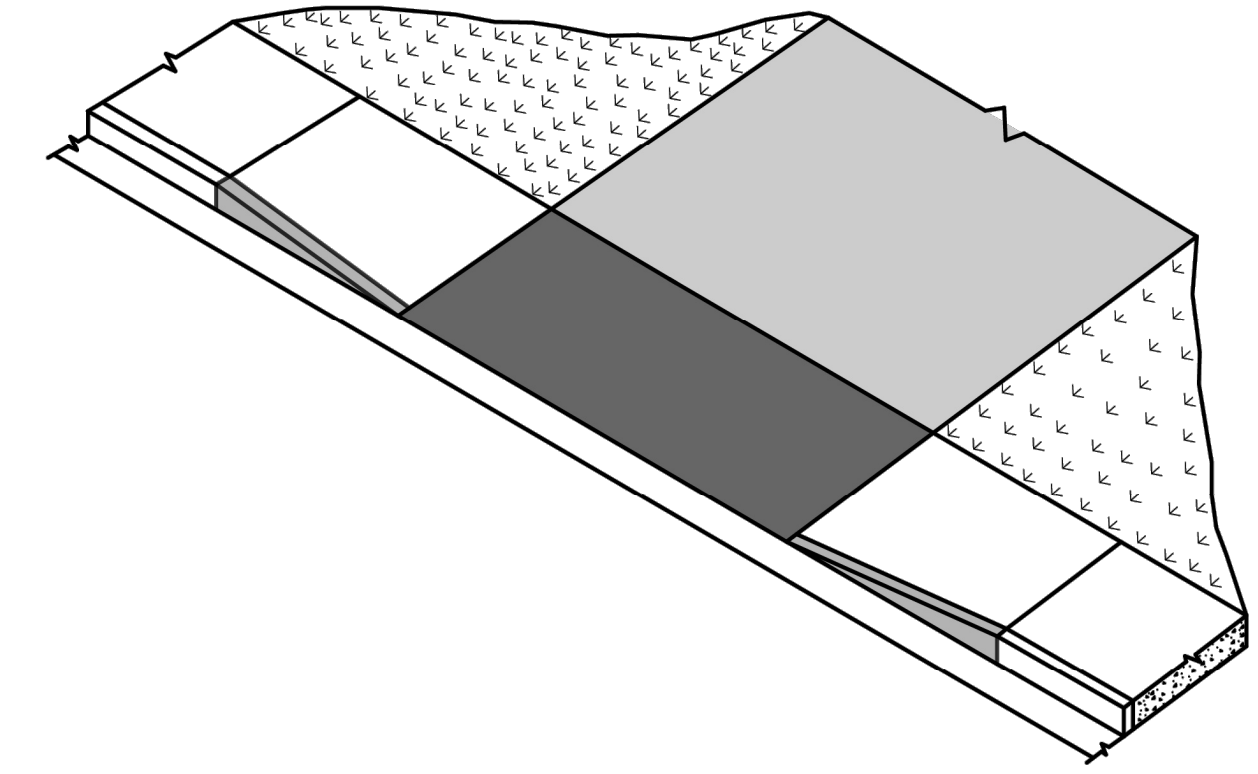
PLAN



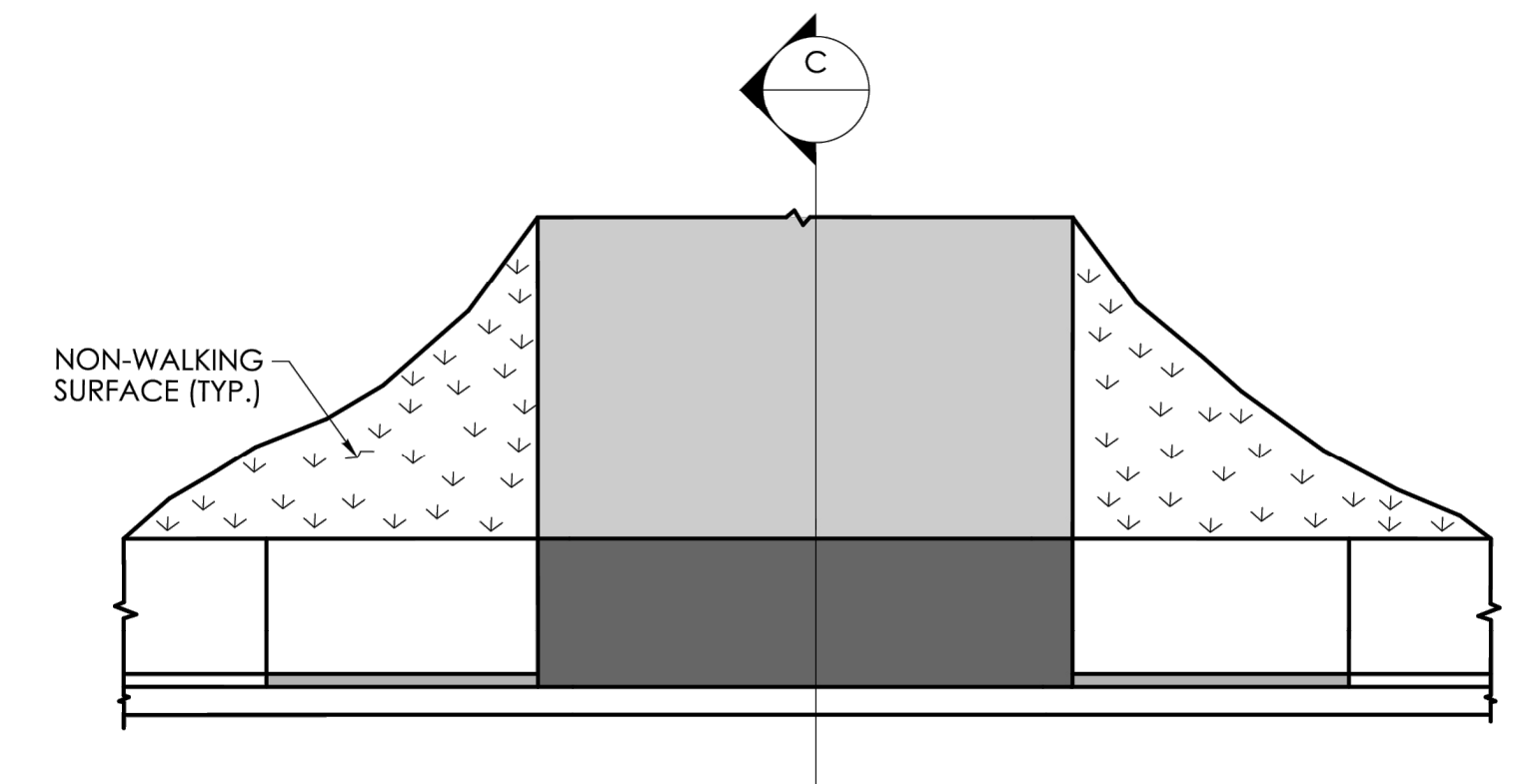
CONCRETE DRIVEWAY RAMP WITH A PEDESTRIAN SIDEWALK SETBACK



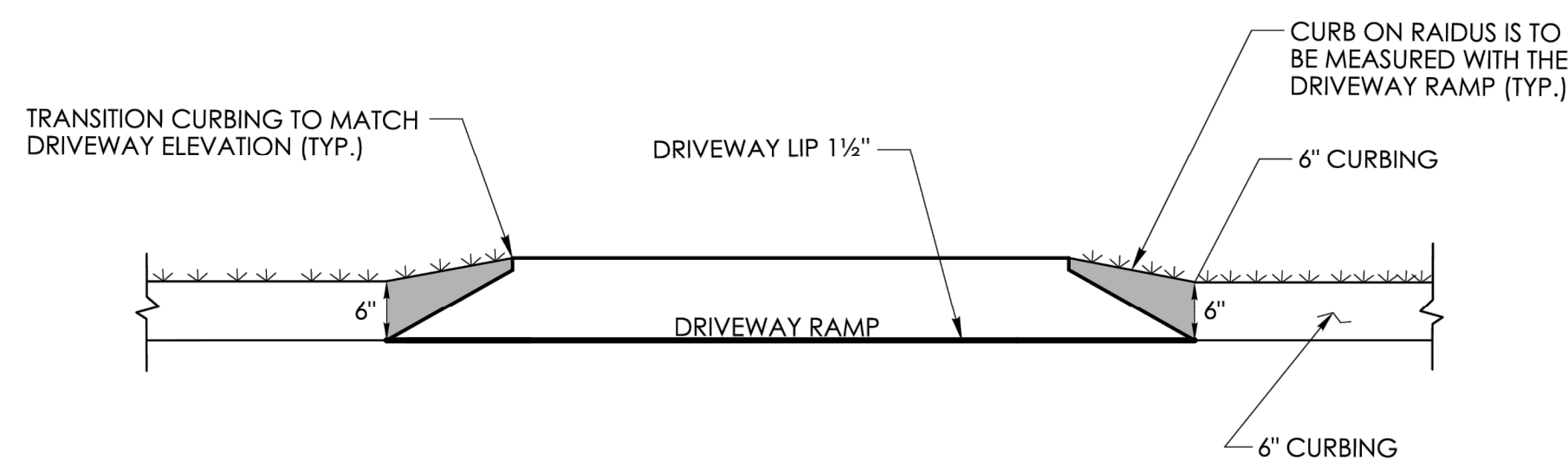
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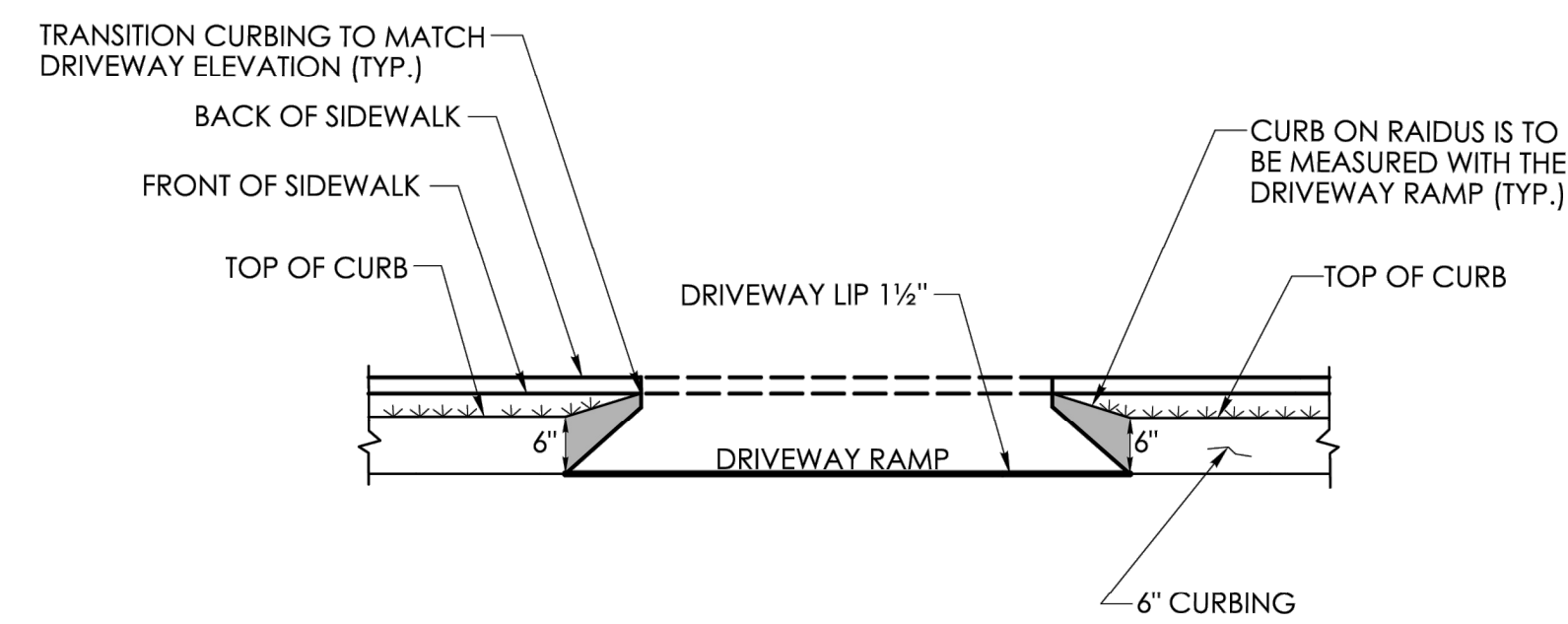
CONCRETE DRIVEWAY RAMP WITH PEDESTRIAN SIDEWALK AT THE CURB



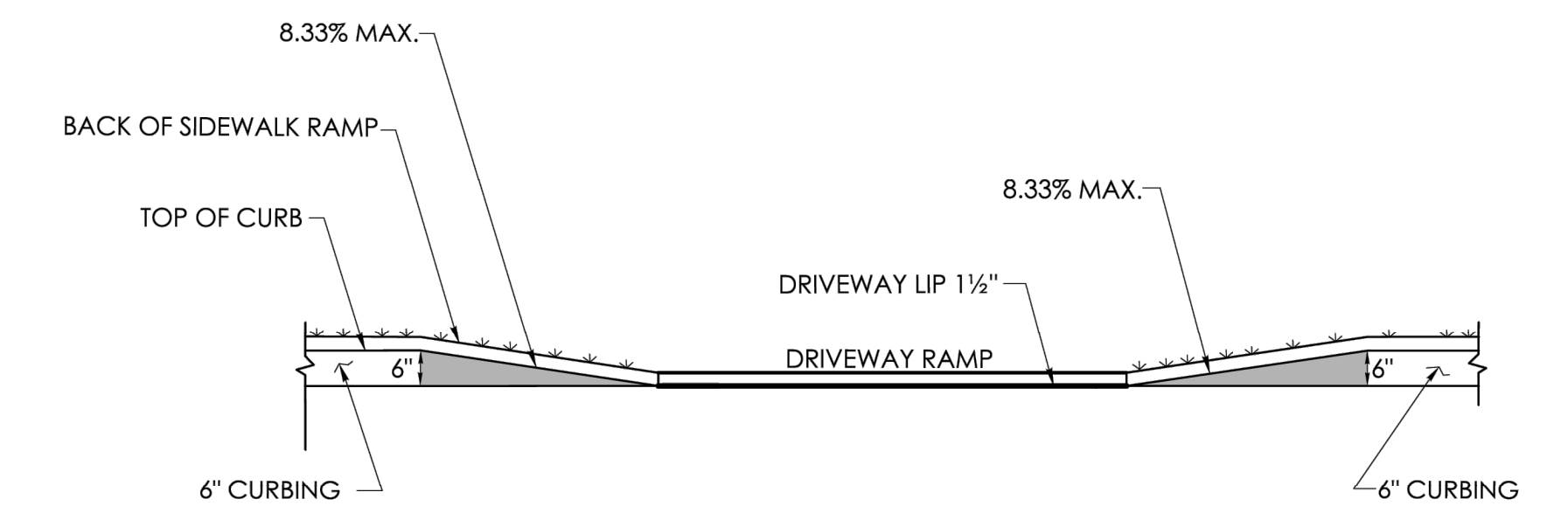
PLAN



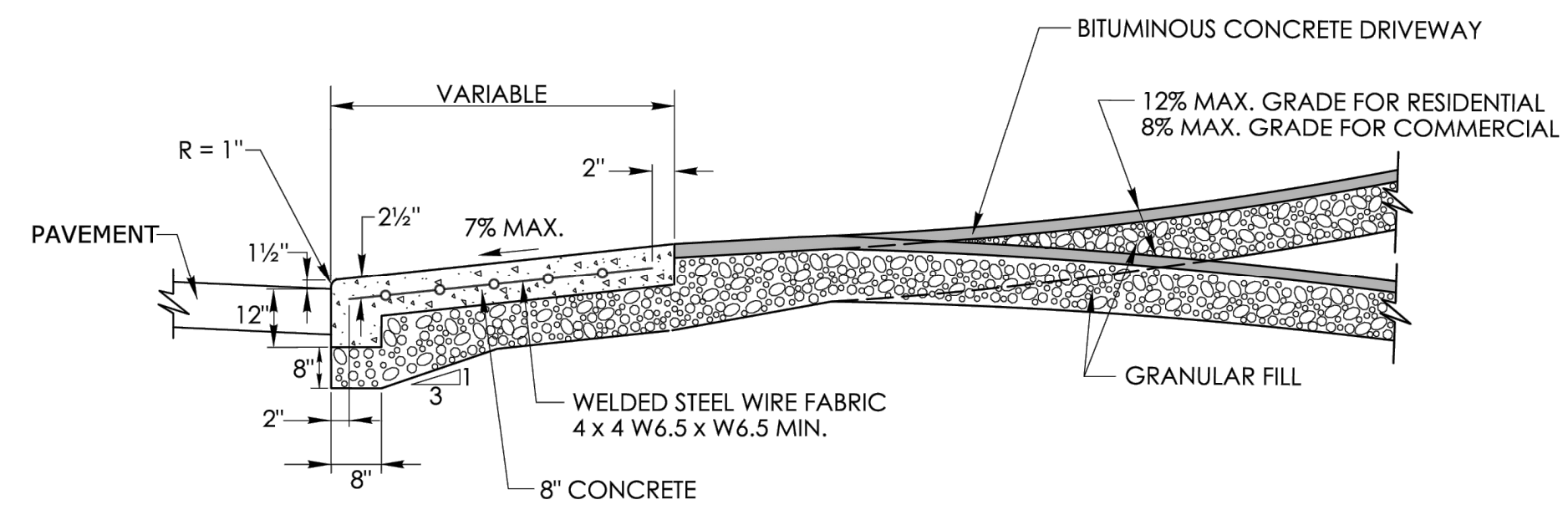
ELEVATION



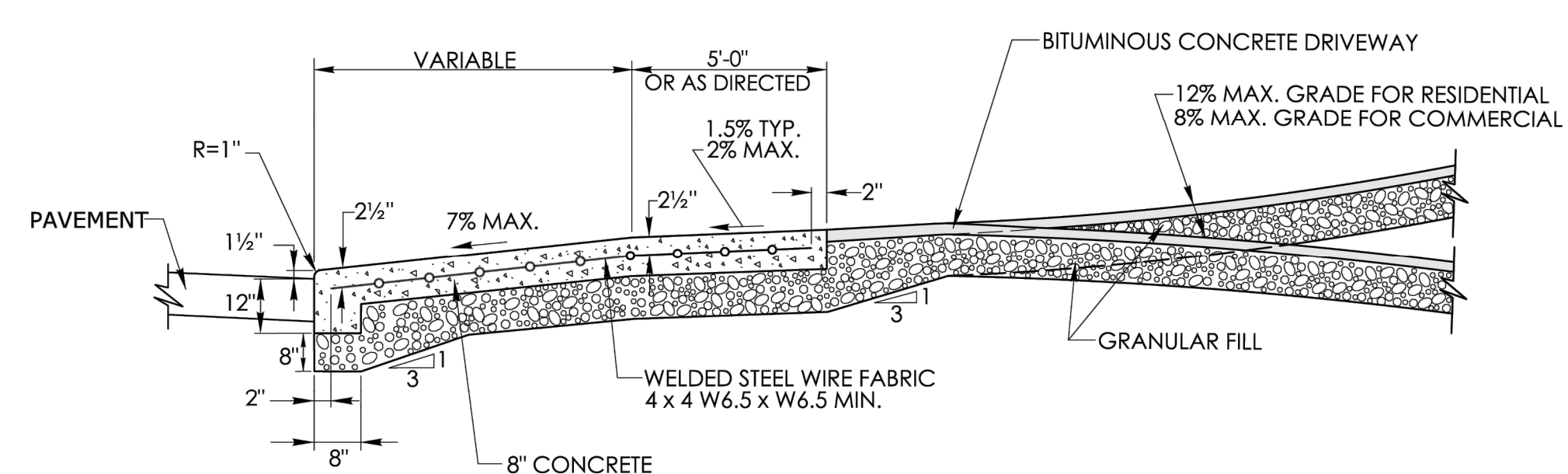
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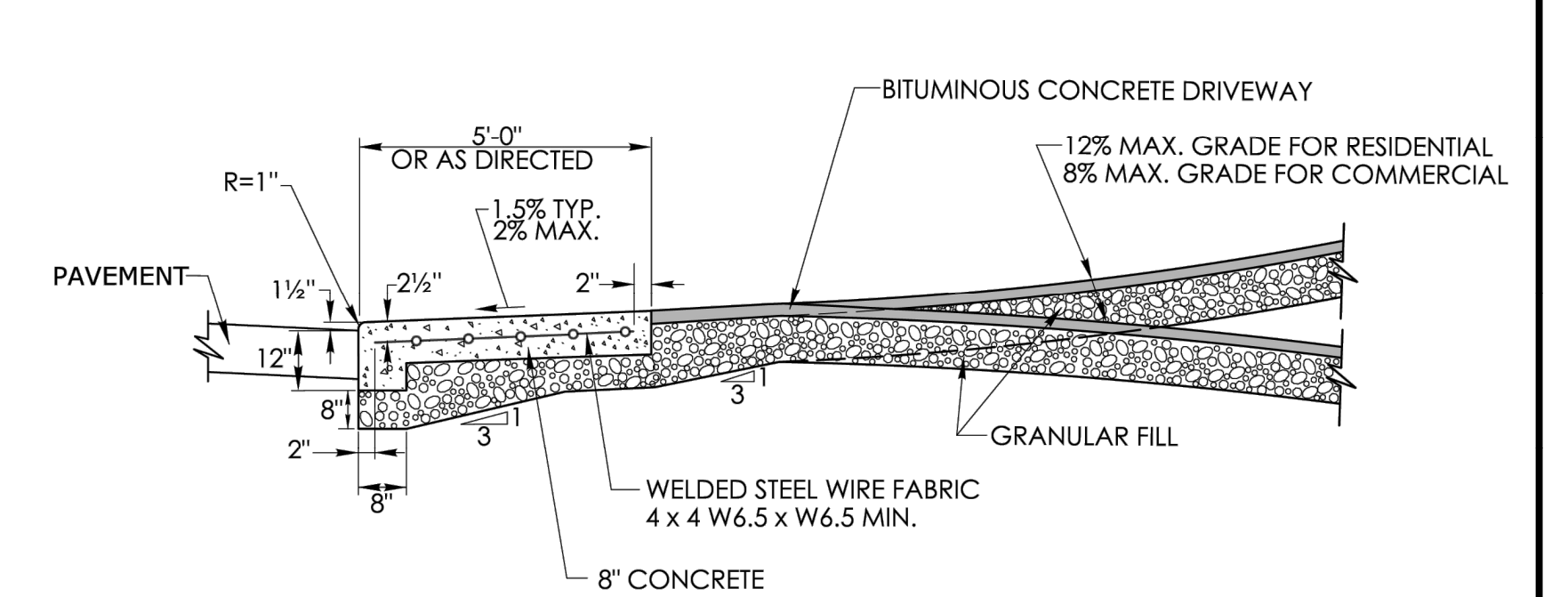
ELEVATION



SECTION A



SECTION B



SECTION C

SHEET NO. 20

4/19/24 updated version

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine
Digitally signed by
Leo Fontaine, P.E.
Date: 2024.12.19
15:10:16-05'00'

APPROVED BY:
Michael N. Calabrese
Digitally signed by
Michael N.
Calabrese, P.E.
Date: 2025.01.29
12:48:28-05'00'



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

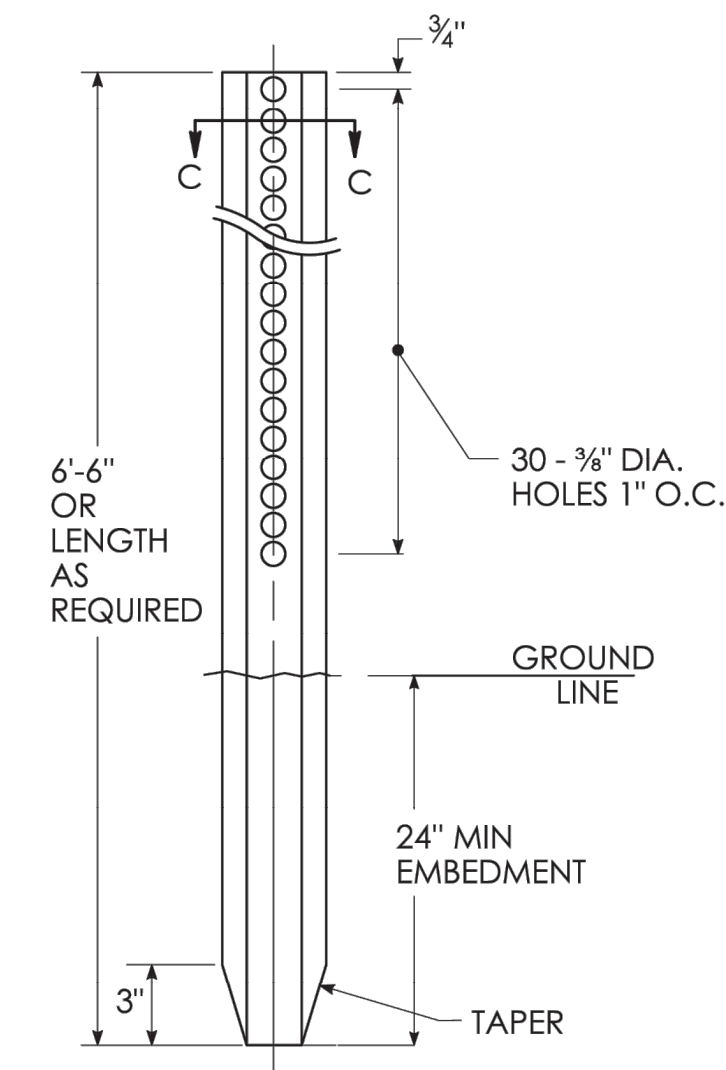
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:

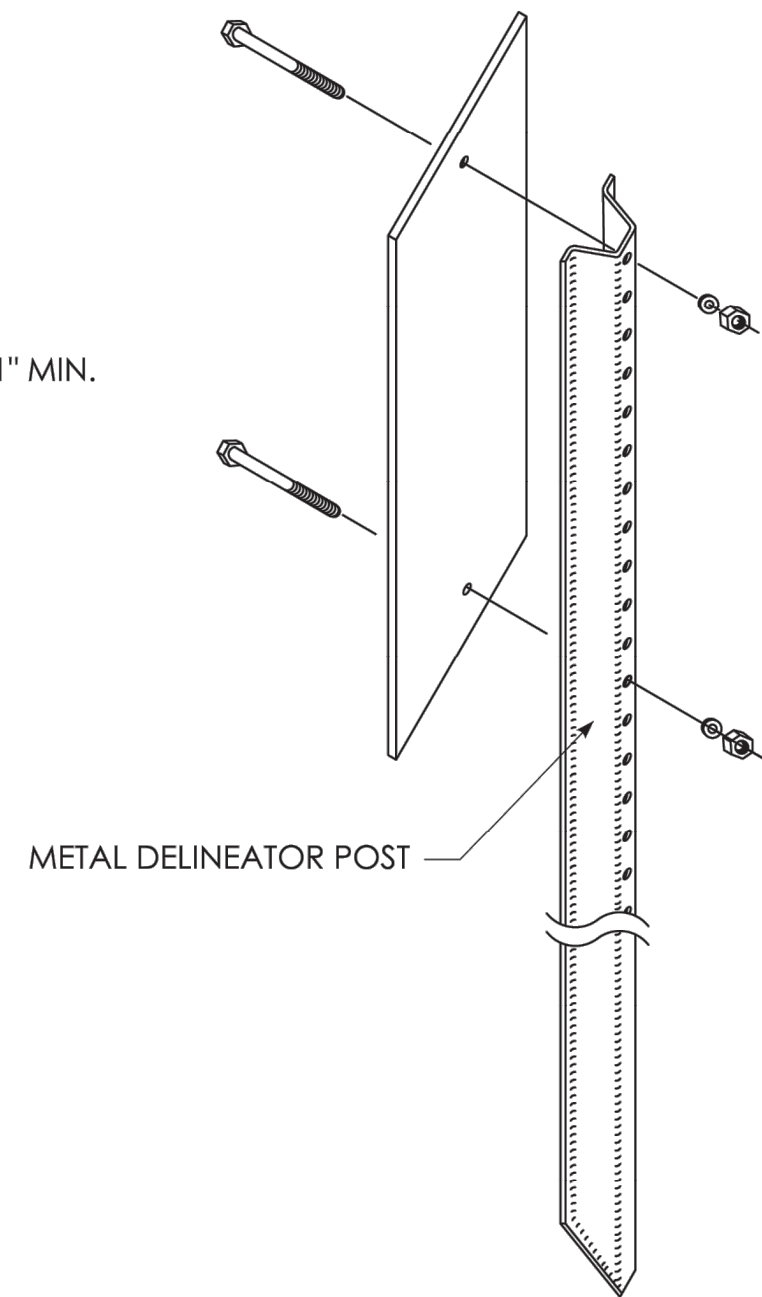
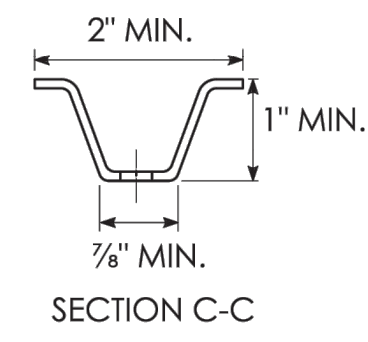
CONCRETE DRIVEWAY RAMPS

STANDARD SHEET NO.:

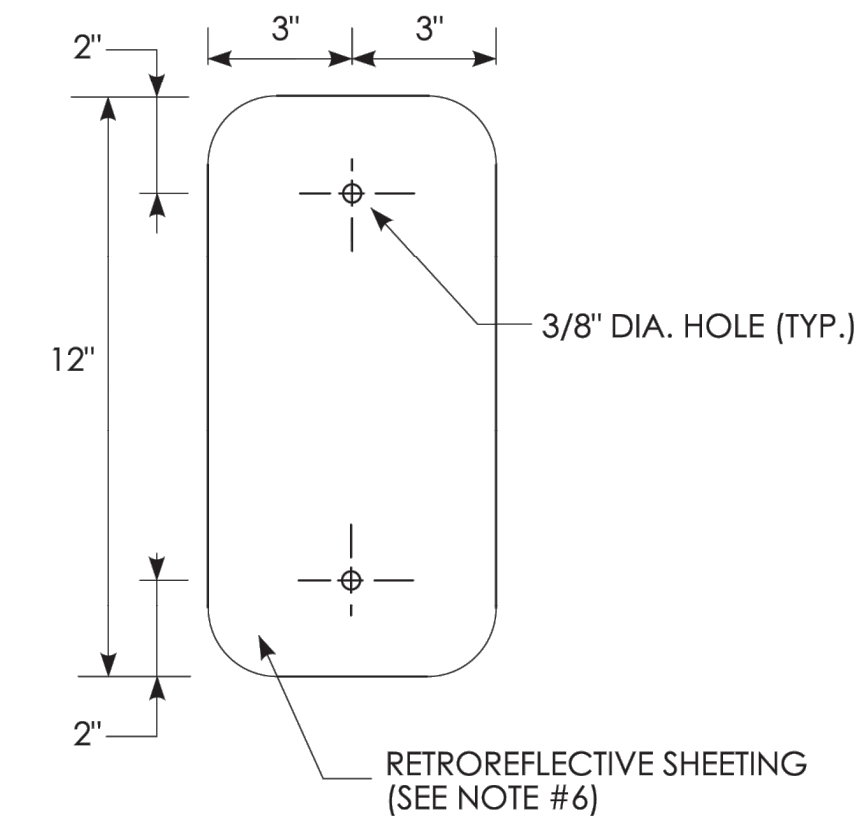
HW-924_01



METAL DELINEATOR POST



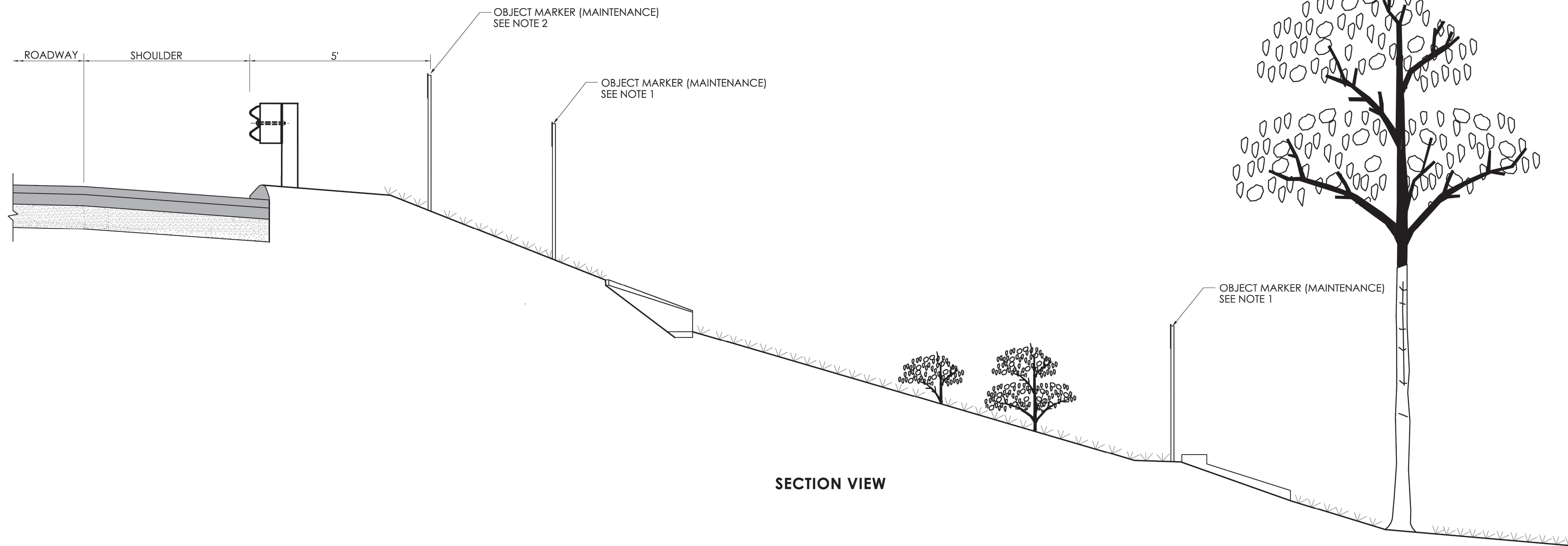
INSTALLATION ON DELINEATOR POSTS



OBJECT MARKER DETAIL

GENERAL NOTES:

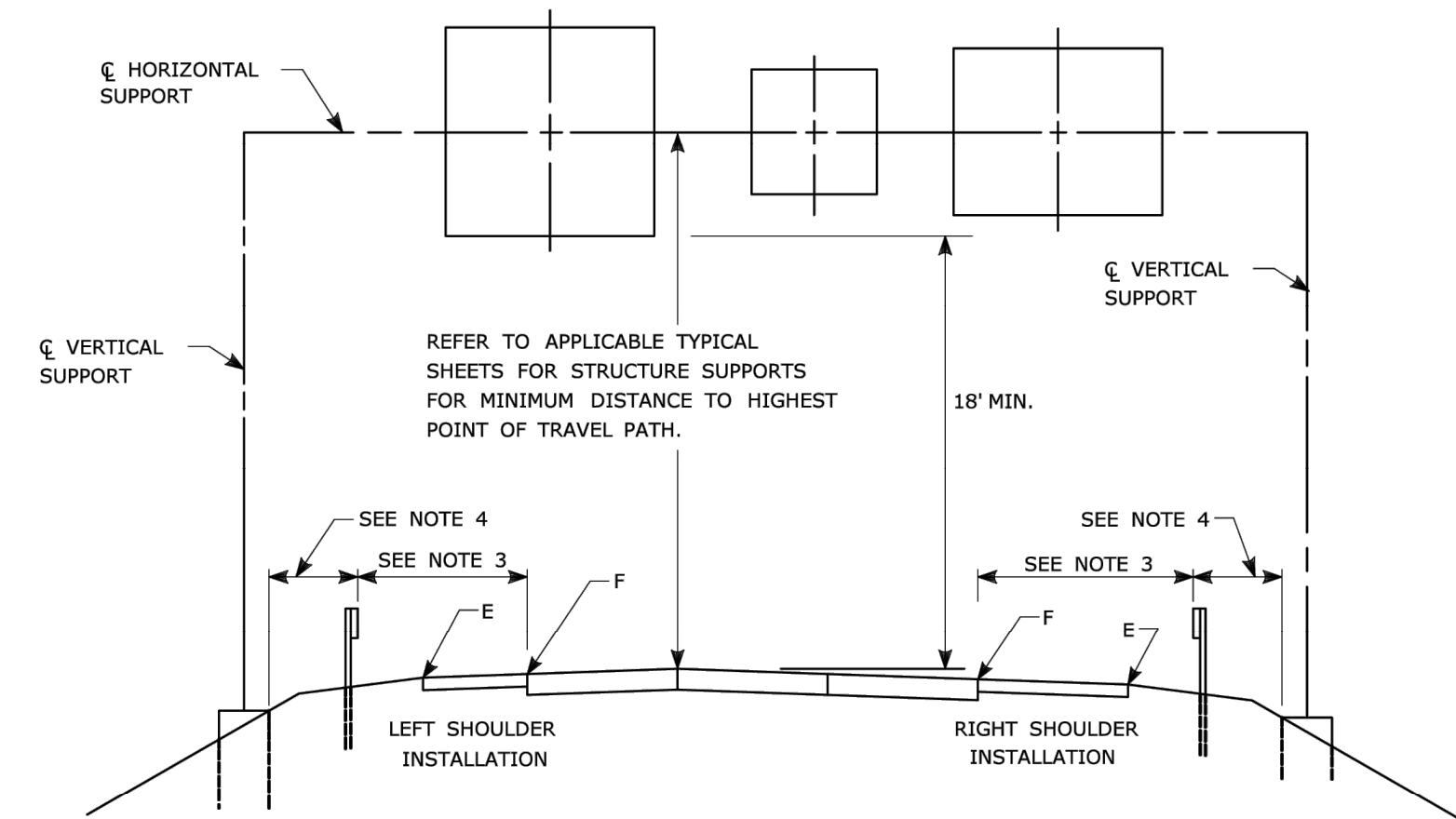
1. OBJECT MARKER (MAINTENANCE) SHALL BE INSTALLED ADJACENT TO; END WALLS, DRAINAGE PIPE ENDS, UNDERDRAIN OUTLETS AND PAVED APRONS WITH THE MARKER FACING PARALLEL TO THE DIRECTION OF TRAFFIC.
2. SECOND OBJECT MARKER (MAINTENANCE) SHALL ONLY BE INSTALLED 5 FEET FROM THE EDGE OF ROADWAY WHEN THE OBJECT MARKER ADJACENT TO STRUCTURE IS GREATER THAN 15 FEET FROM THE EDGE OF THE ROADWAY.
3. OBJECT MARKER (MAINTENANCE) SHALL BE INSTALLED AT METAL BEAM GUIDERAIL ANCHORS AS SHOWN ON:
HW-911_01 R-B END ANCHORAGE TYPE I AND II,
HW-911_02 MD-B END ANCHORAGE TYPE I.
4. OBJECT MARKERS SHALL BE FASTENED WITH 5/16" STAINLESS STEEL HEX HEAD BOLTS (LENGTH AS REQUIRED), WASHER AND FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.
5. METAL DELINEATOR POST SHALL BE 1.12 LBS/FT. ASTM A36 STEEL
6. OBJECT MARKER COMPOSITION SHALL BE 14 GA. (0.080") THICK SHEET ALUMINUM WITH YELLOW TYPE XI RETROREFLECTIVE SHEETING.
7. ALL OBJECT MARKERS (MAINTENANCE) SHALL BE INSTALLED WITH THE BOTTOM OF THE OBJECT MARKER 4 FT ABOVE THE GROUND.



SECTION VIEW

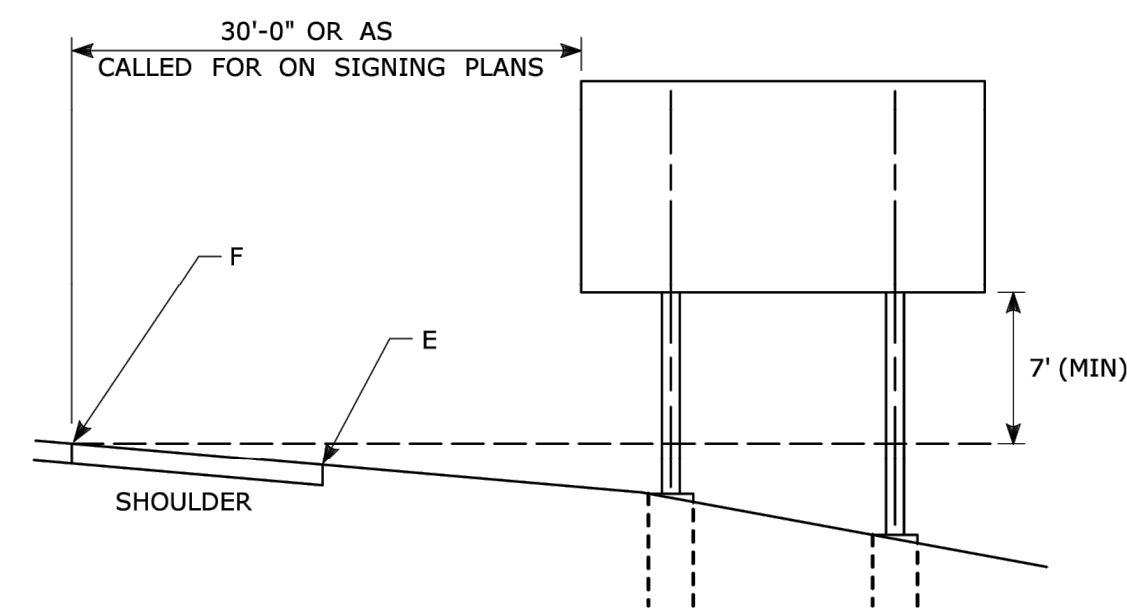
SHEET NO.
21

NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.19 15:09:58-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.29 12:49:15-05'00'	 CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: OBJECT MARKER (MAINTENANCE)	STANDARD SHEET NO.:
						HW-930_01	



TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

- NOTES:
- 1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
 - 2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
 - 3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
 - 4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
 - 5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.



TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

- NOTES:
- 1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
 - 2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
 - 3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".
 - 4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.

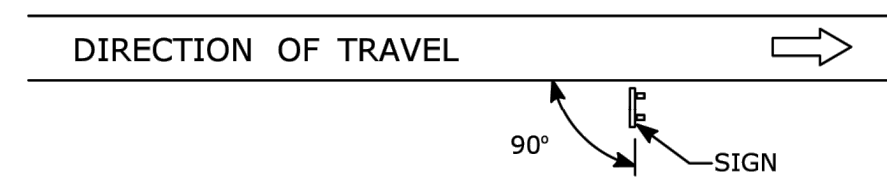


DIAGRAM "A"

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

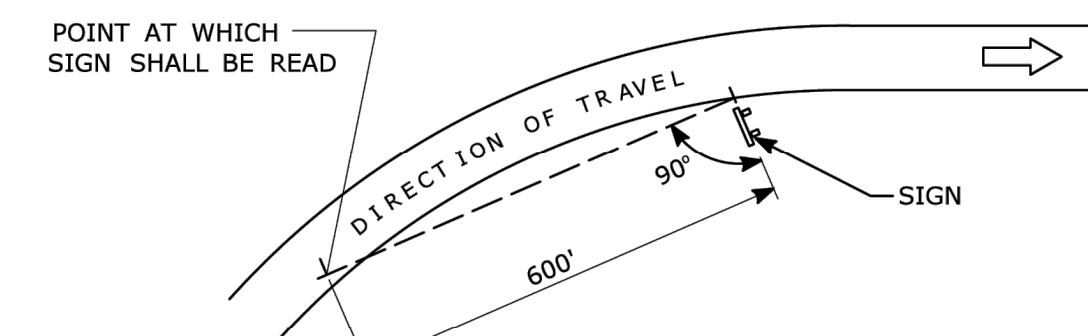
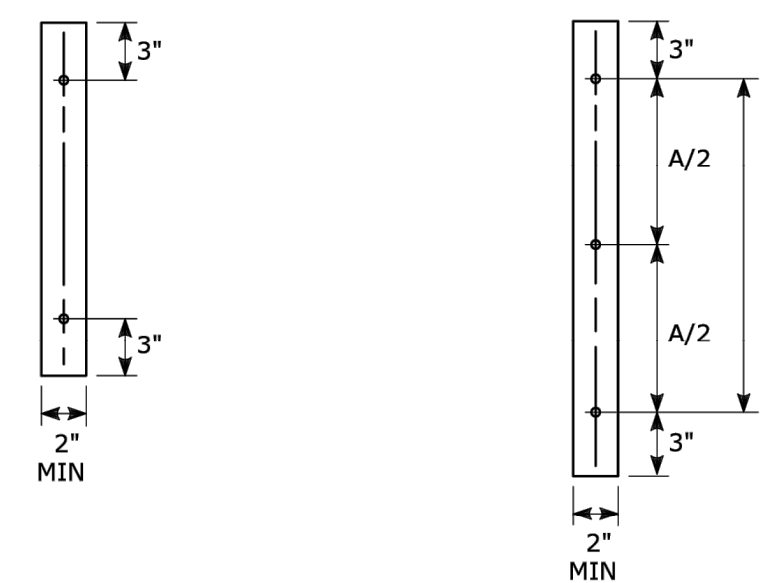


DIAGRAM "B"

SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

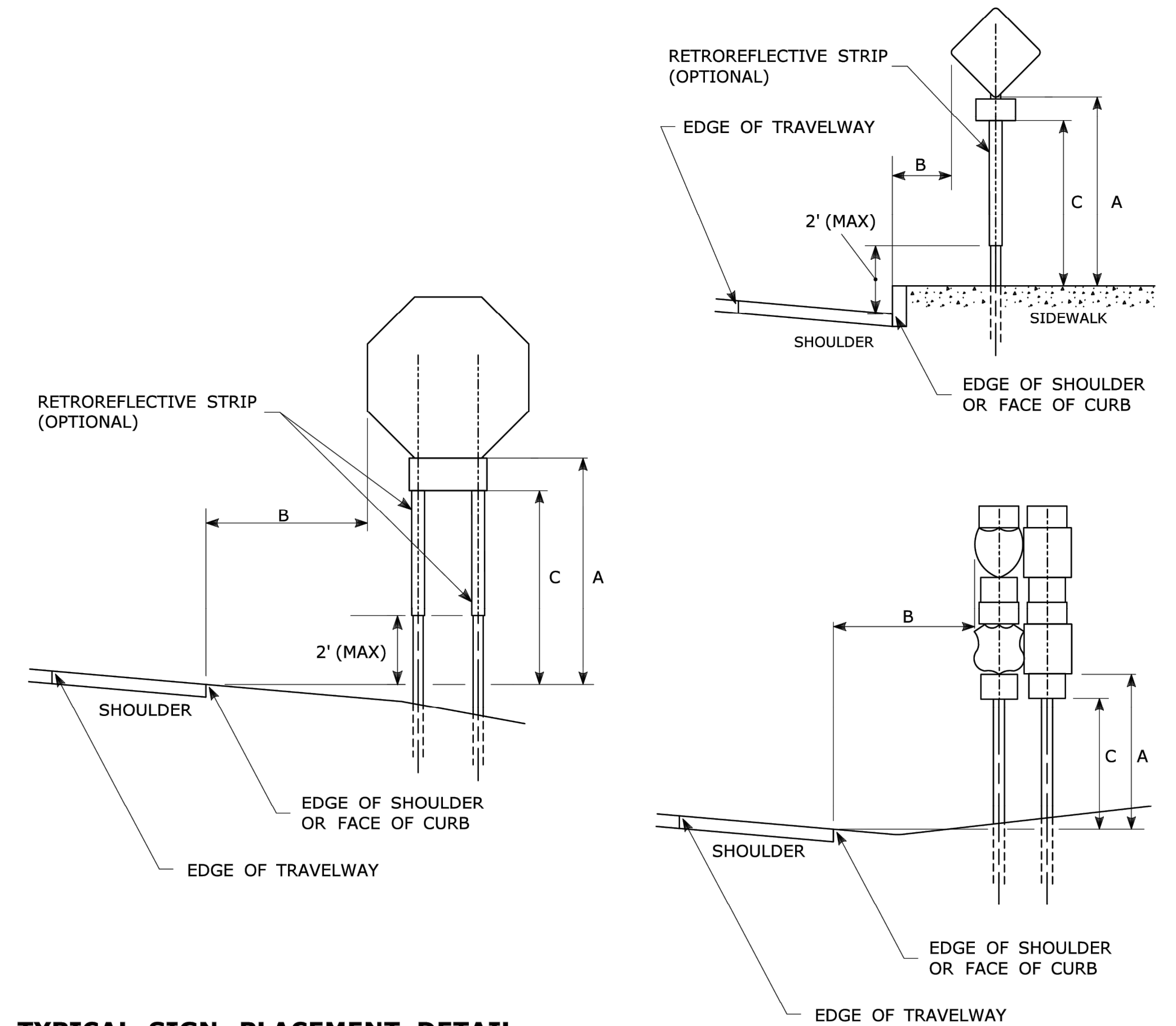
RETROREFLECTIVE STRIPS 48" LONG OR LESS:

RETROREFLECTIVE STRIPS OVER 48" LONG:



RETROREFLECTIVE STRIP DETAIL

- NOTES:
- RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE.
- REFER TO STANDARD SHEET No. TR-1208.02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.
- RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.



TYPICAL SIGN PLACEMENT DETAIL

- NOTES:
- ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.
- REFER TO STANDARD SHEET No. TR-1208.02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.
- IF A RETROREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY.
- PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET ①	DIM."C" MIN PLAQUE HEIGHT ①	ASSEMBLY LOCATION
7' ②	6' 12' ③	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS
5'	2'	4'	• SIGNS IN RURAL AREAS • DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMP • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMP, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMP, AND IN RURAL AREAS
4'	6' 12' ③	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS
7'	2' ④	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
7'	2' ④	7'	SIDEWALKS ⑤

- ① OR AS DIRECTED BY THE ENGINEER
- ② 8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.
- ③ 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE 12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.
- ④ A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.
- ⑤ A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

SHEET NO.
22

REV.	DATE	REVISION DESCRIPTION
3	8-2018	INCLUDED INCIDENT MANAGEMENT AND MILE MARKER SIGNS.
2	4-2017	MINOR REVISIONS.
1	2-2011	MINOR REVISIONS.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

NOT TO SCALE

Plotted Date: 8/10/2018

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME: TR_1208_01_1_2018.dgn Model: TR-1208_01

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17
09:06:06-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carino, P.E.
2018.08.21 07:48:06-04'00'

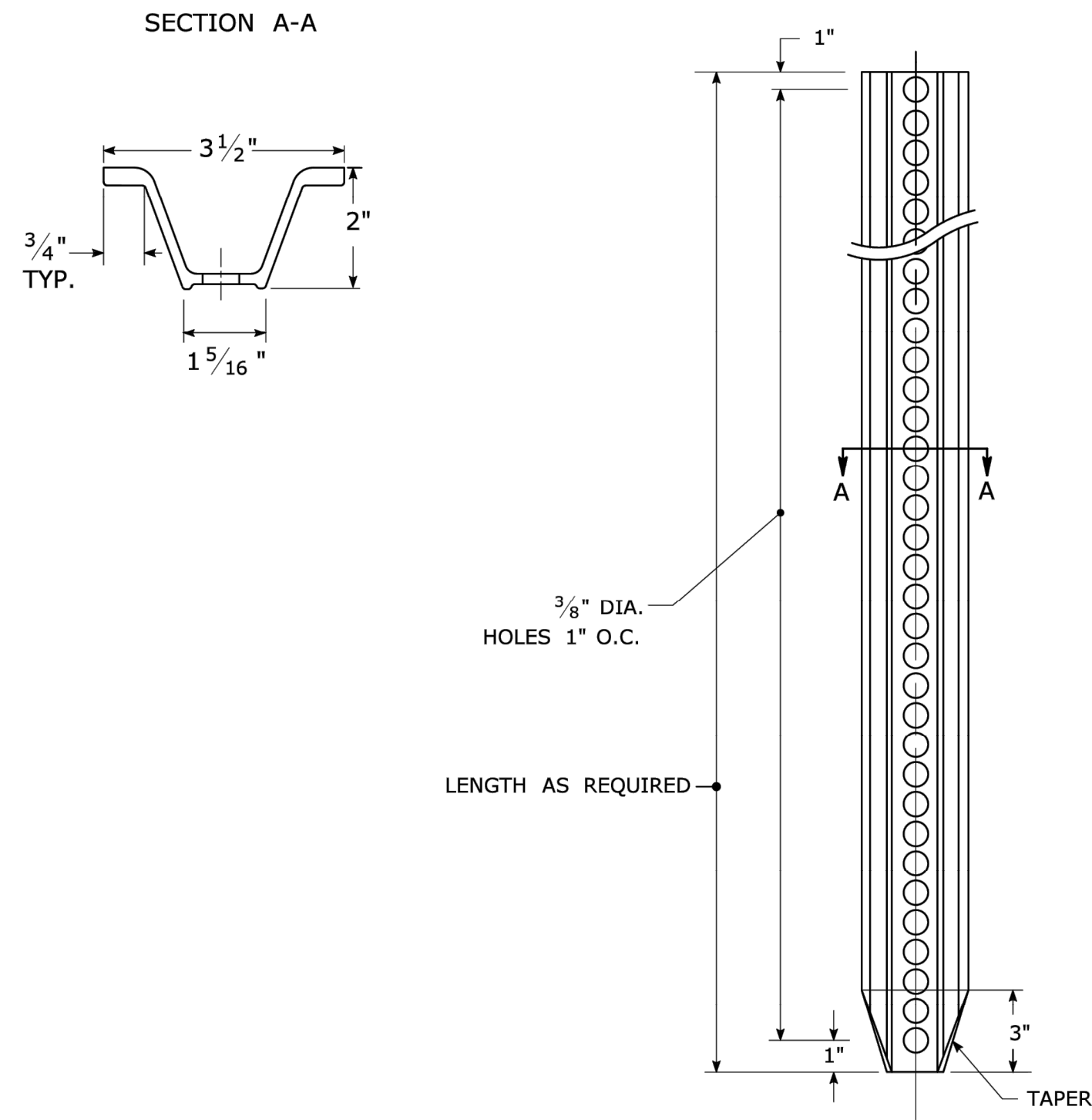
CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

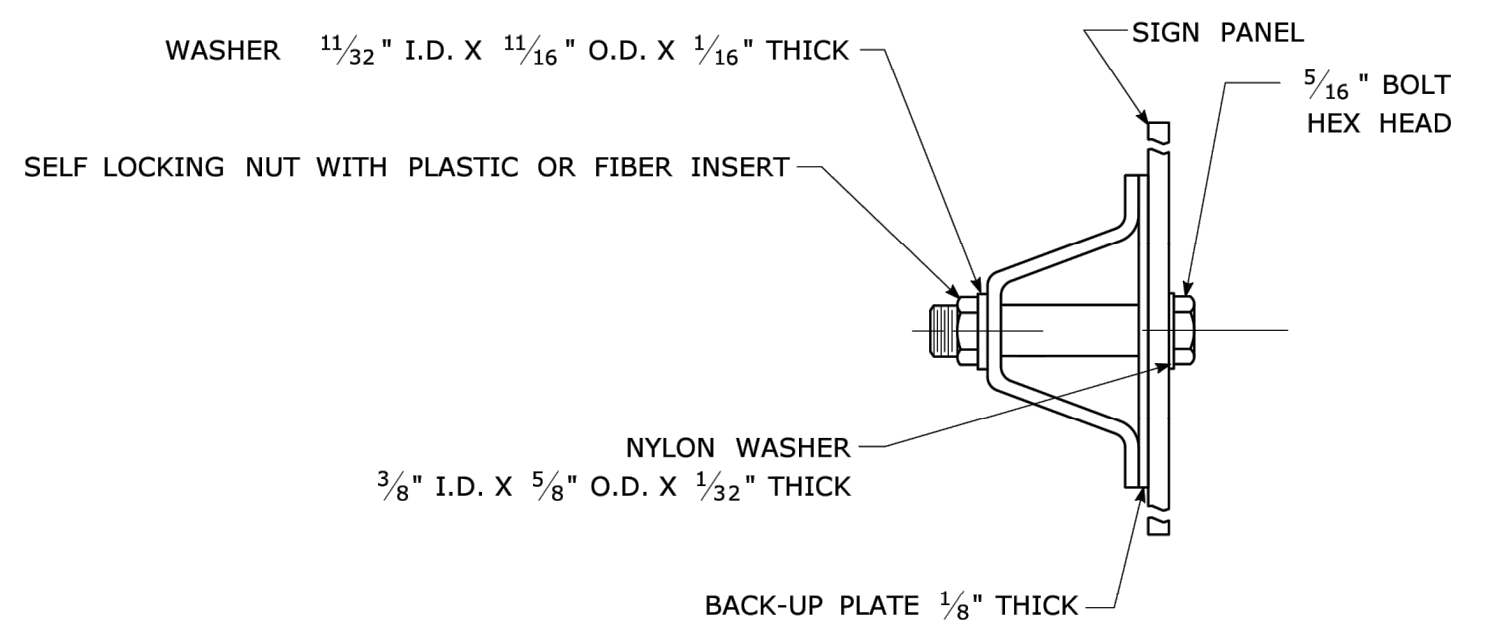
STANDARD SHEET TITLE:
SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

STANDARD SHEET NO.:
TR-1208_01

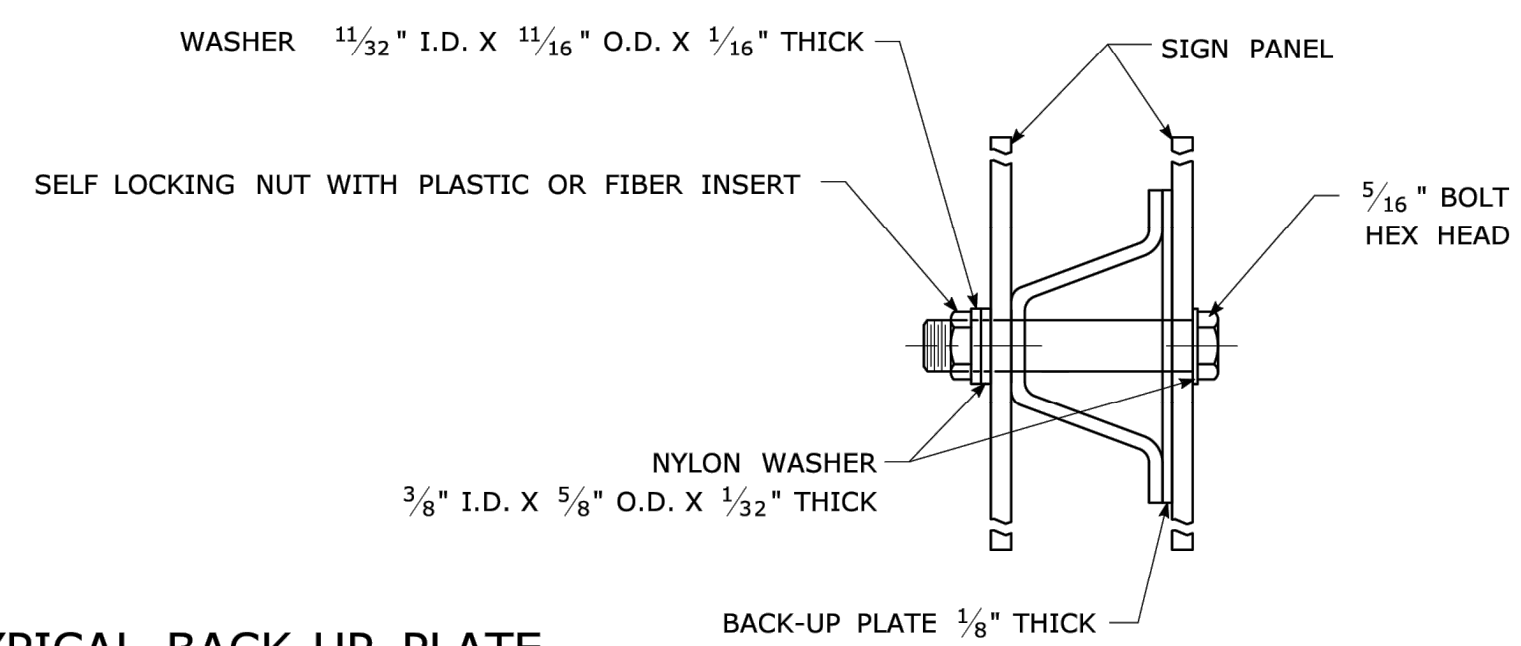
TYPICAL METAL SIGN POSTS



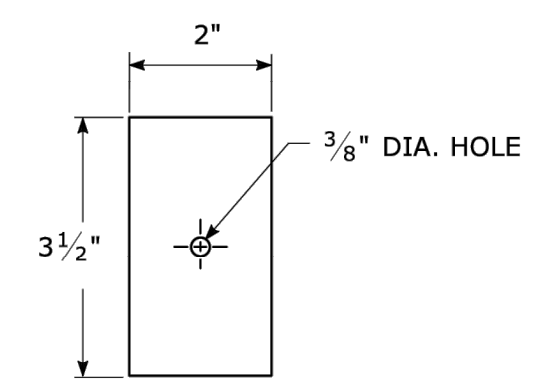
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT

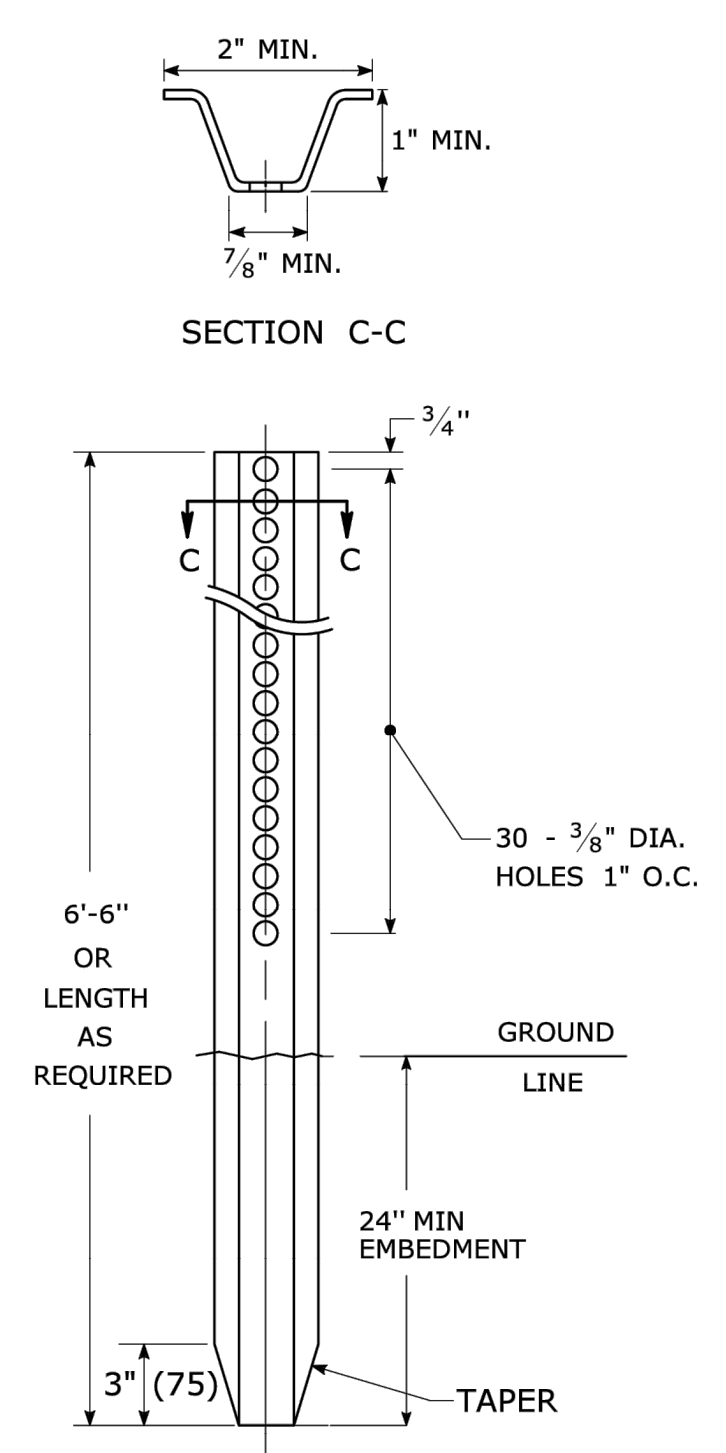


TYPICAL BACK-UP PLATE



BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
 SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
 WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

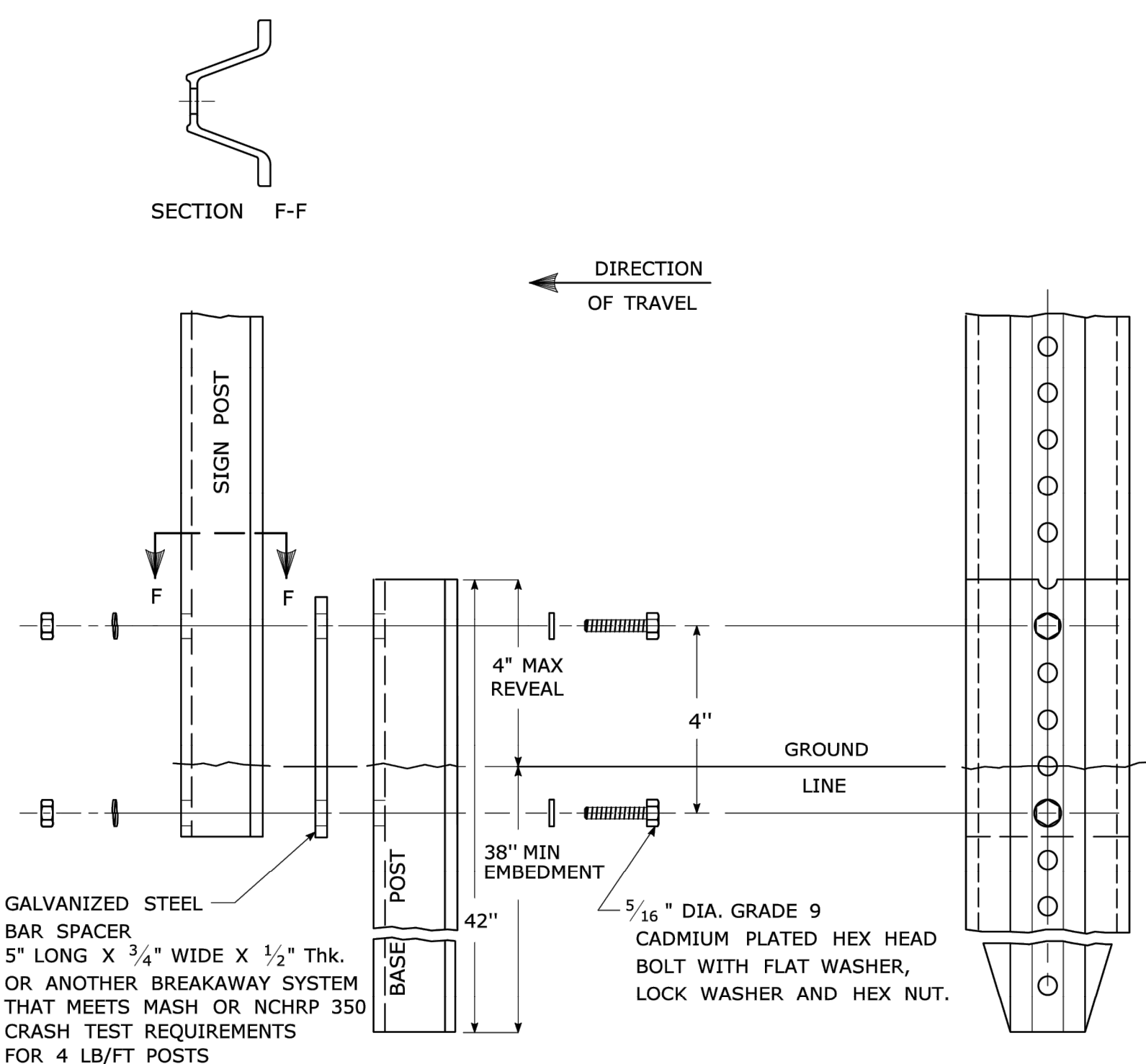
METAL DELINEATOR POST
 WT./FT. = 1.12 LBS./FT. MIN.



GENERAL NOTES:

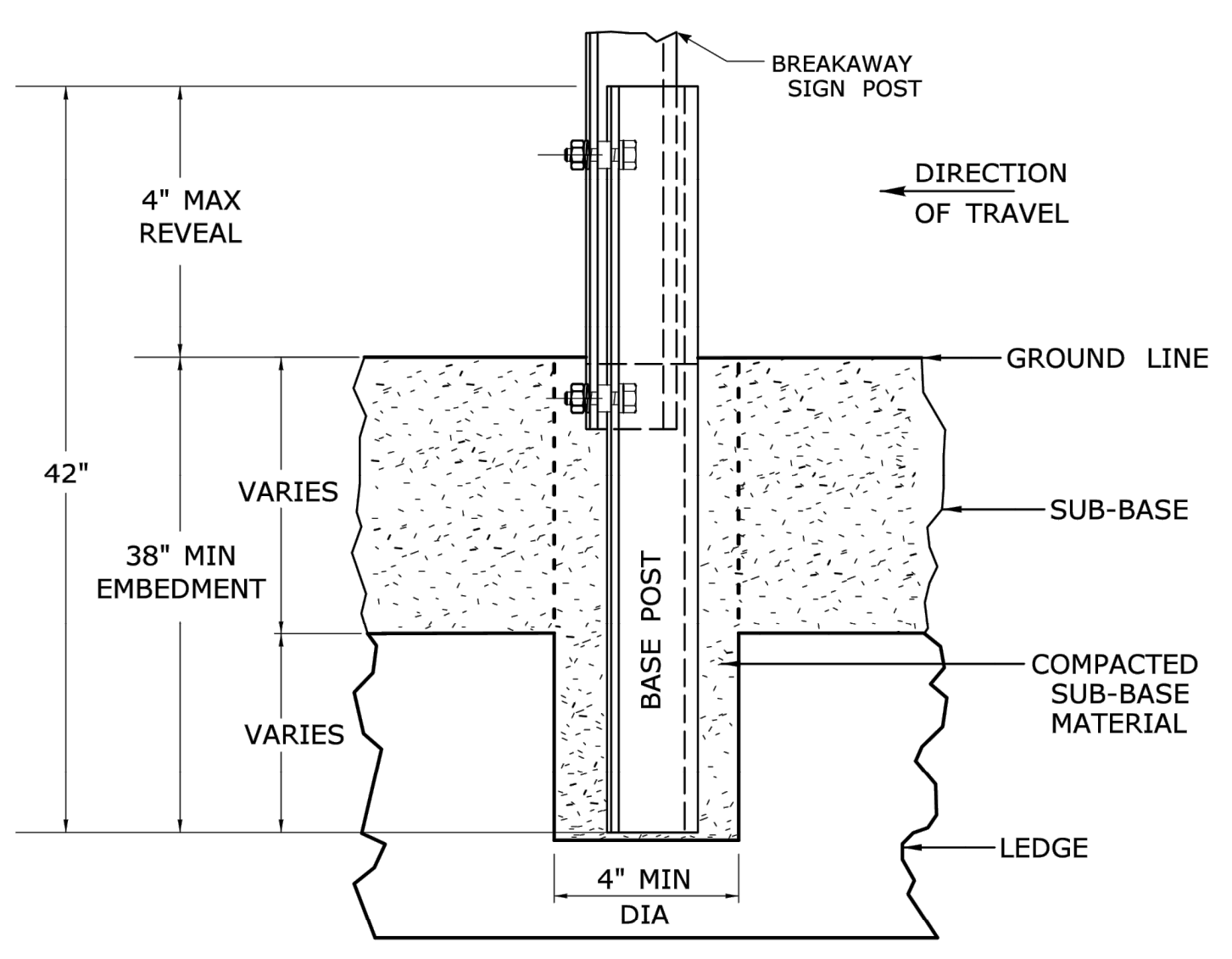
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION
 FOR 4 LBS./FT. POSTS

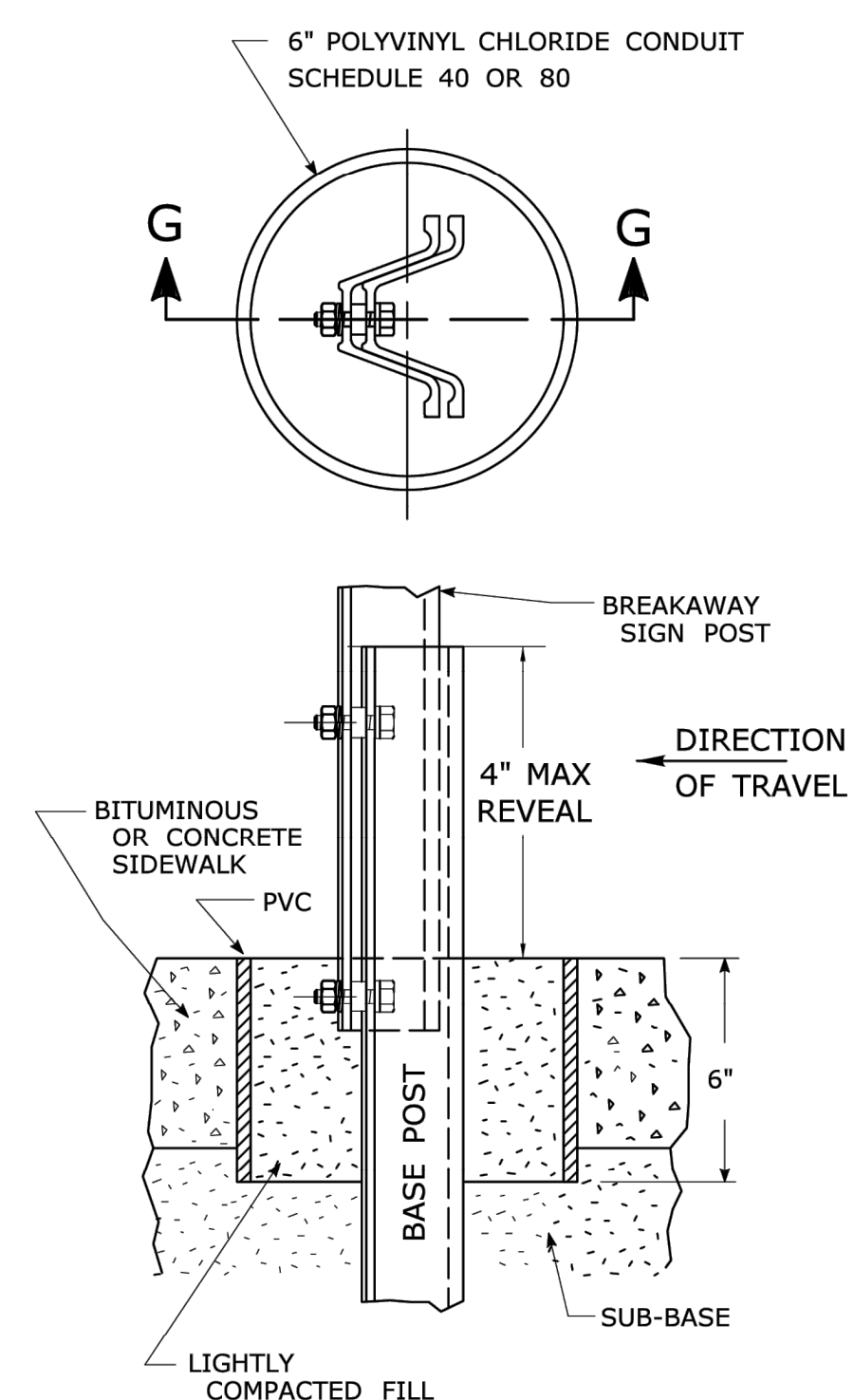


TYPICAL SIGN POST INSTALLATION IN LEDGE

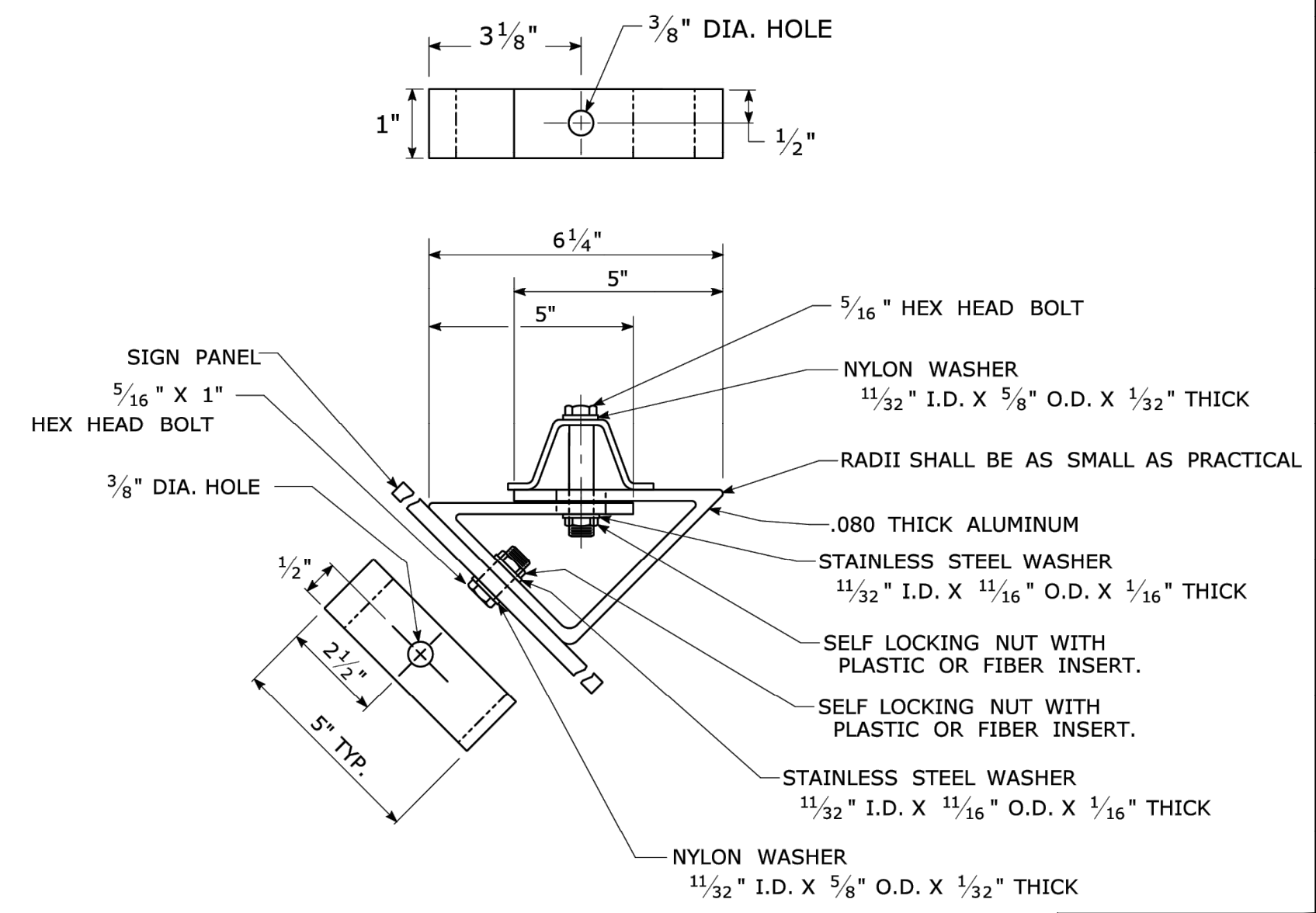
LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".
 HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS



REV.	DATE	REVISION DESCRIPTION
2	6-2017	SIGN POST REVISIONS.
1	2-2011	MINOR REVISIONS.

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NOT TO SCALE



Filename: TR-1208_02.May.2017.Revision.dgn Model: TR-1208_02

SUBMITTED BY: Mark F. Makuch, P.E. 2017.06.07 07:30:30-04'00'
 APPROVED BY: Gregory M. Dorosh, P.E. 2017.06.15 09:27:29-04'00'

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
METAL SIGN POSTS AND SIGN MOUNTING DETAILS

SHEET NO.
23

GUIDE SHEET NO.:
TR-1208_02

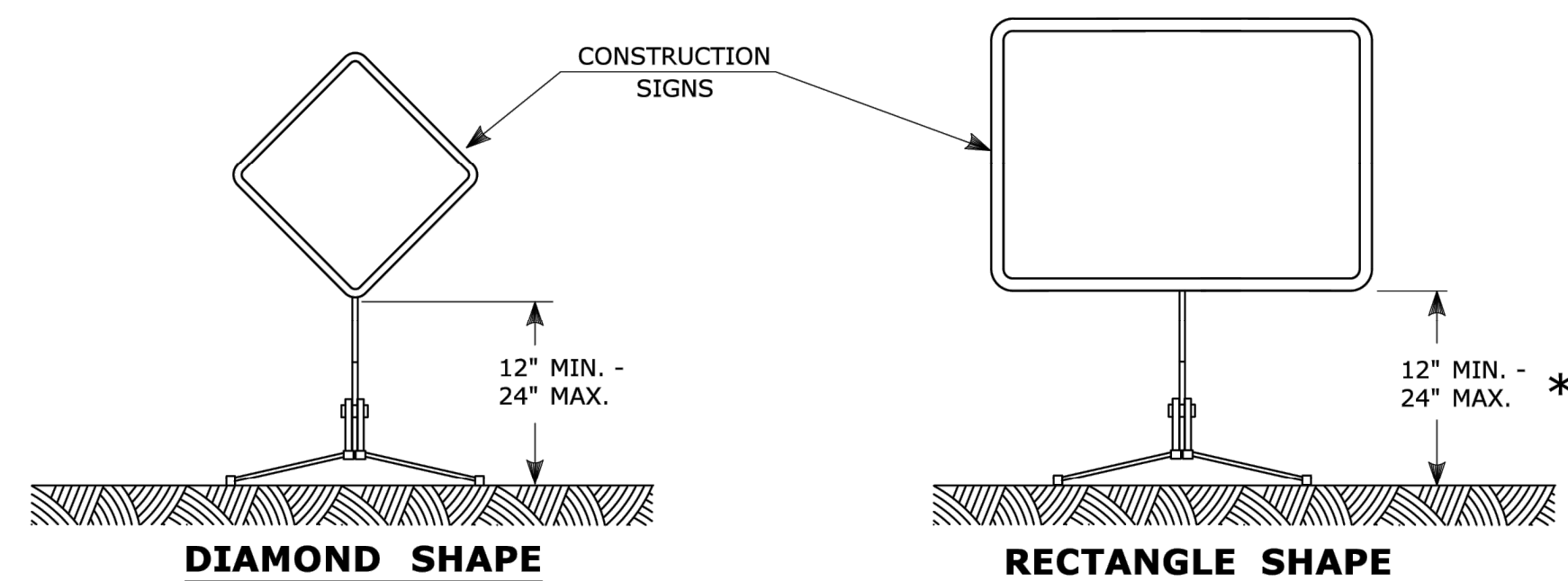
S - SERIES	W1 - SERIES					W2 - SERIES					W3 - SERIES					W4 - SERIES					W5 - SERIES					W6 - SERIES					W7 - SERIES					W8 - SERIES																																																																																																																																																																																																																	
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DESIGNER/DRAFTER: A. MERMELSTEIN	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
CHECKED BY: B. SCHILLING		APPROVED BY: _____ DATE: _____	DRAWING TITLE: SIGN FACE SHEET ALUMINUM	DRAWING NO. TR-GS_02	SHEET NO. 24
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 10/14/2021		

E5 - SERIES				G20 - SERIES				M4 - SERIES				R4-R11 - SERIES				W1 - SERIES				W3 - SERIES				W4-W6 - SERIES																																																																																																																																							
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12.0	36X48	31-1518	1																																																																																																																																																												
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AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS																																																																																																																																																																																																								

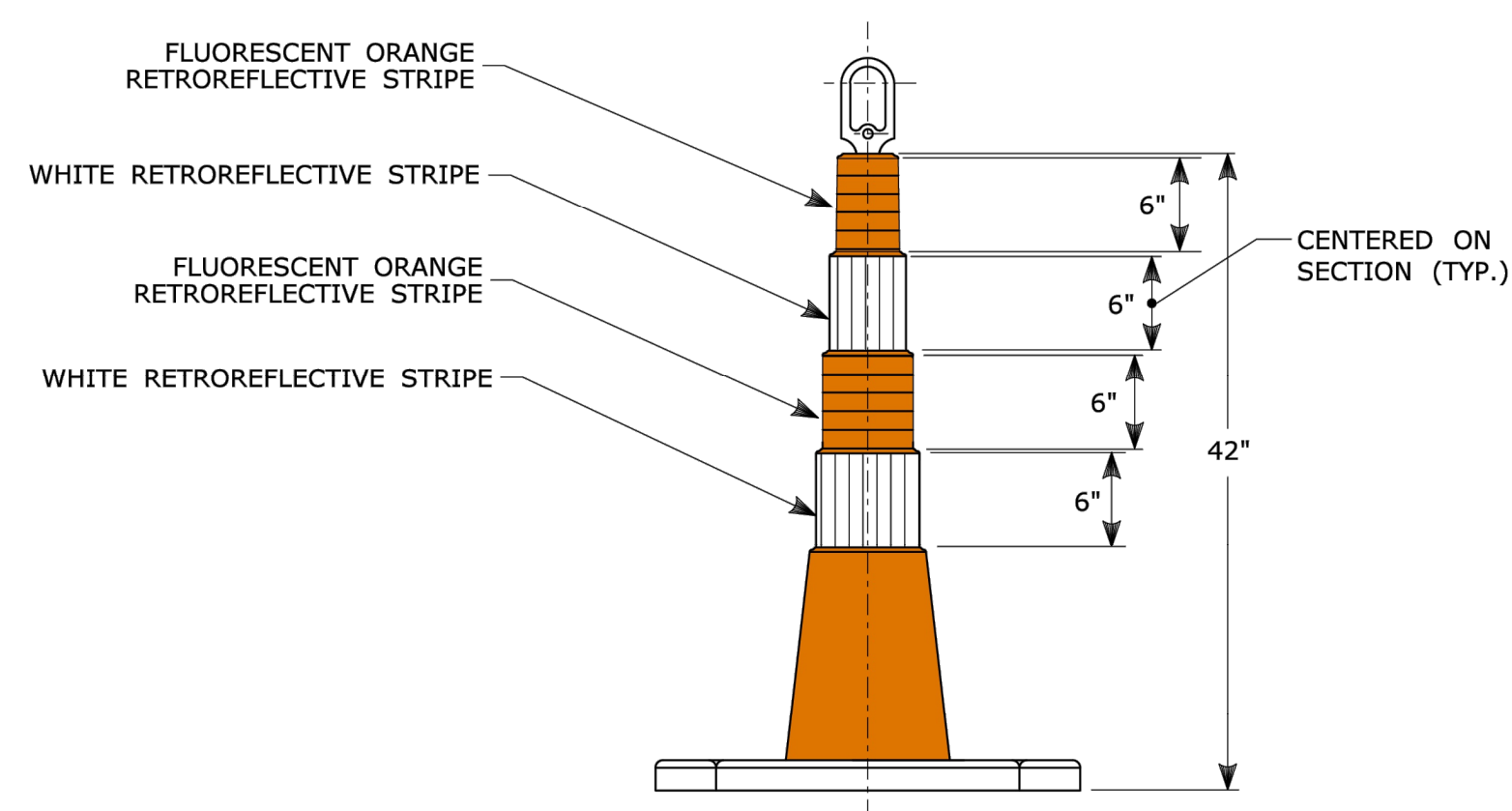


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
- PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT AS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. SEE STANDARD SHEET TR-1220.01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

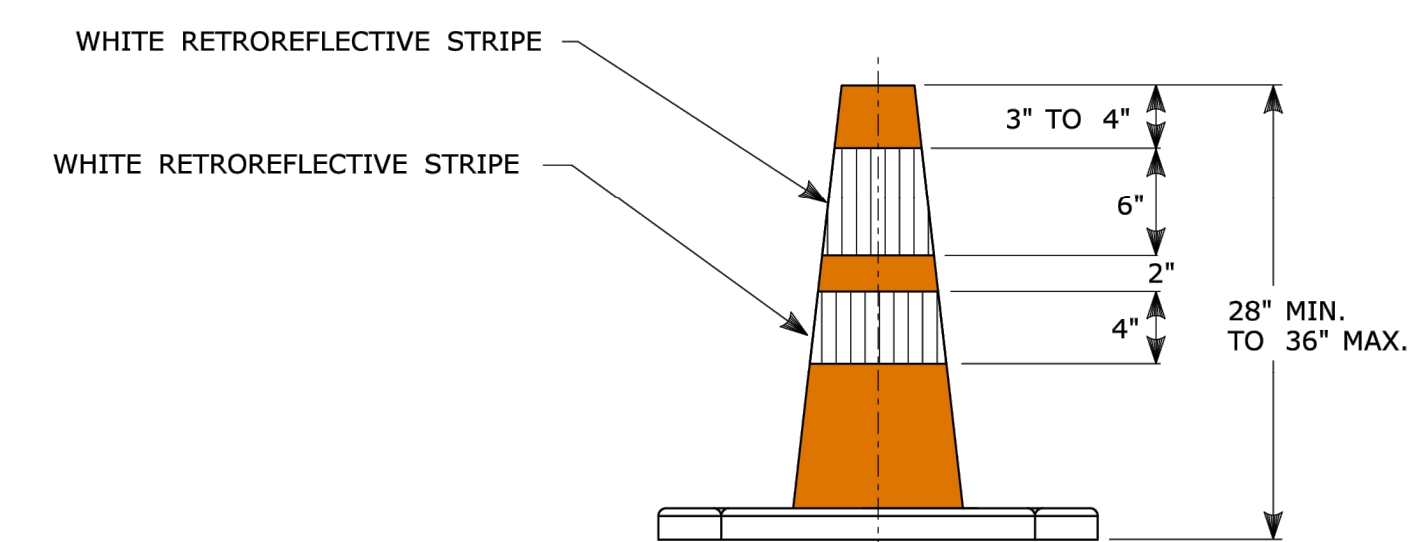
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

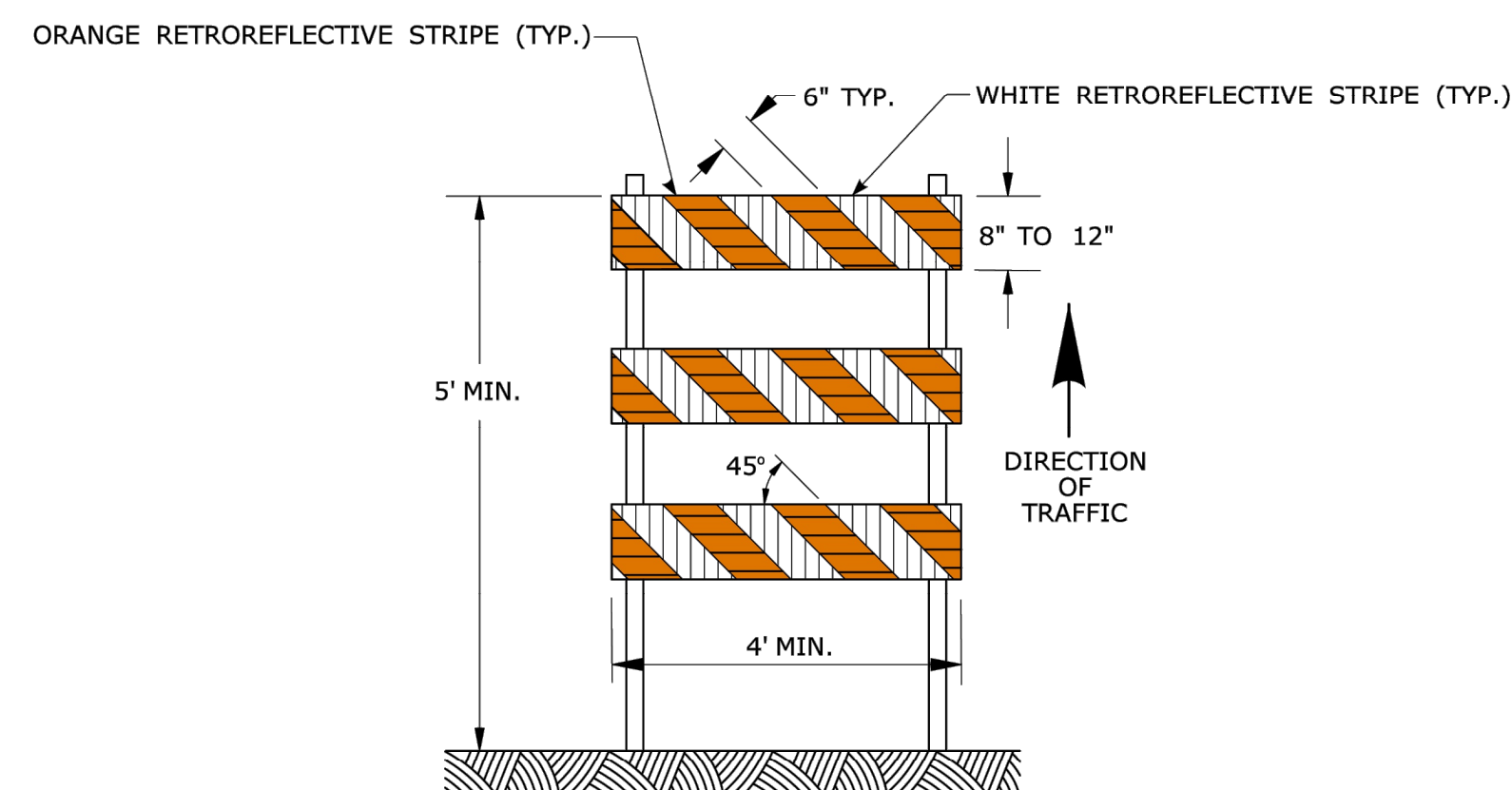
- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TRAFFIC CONE

NOTES:

- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENTIRE AREA OF WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

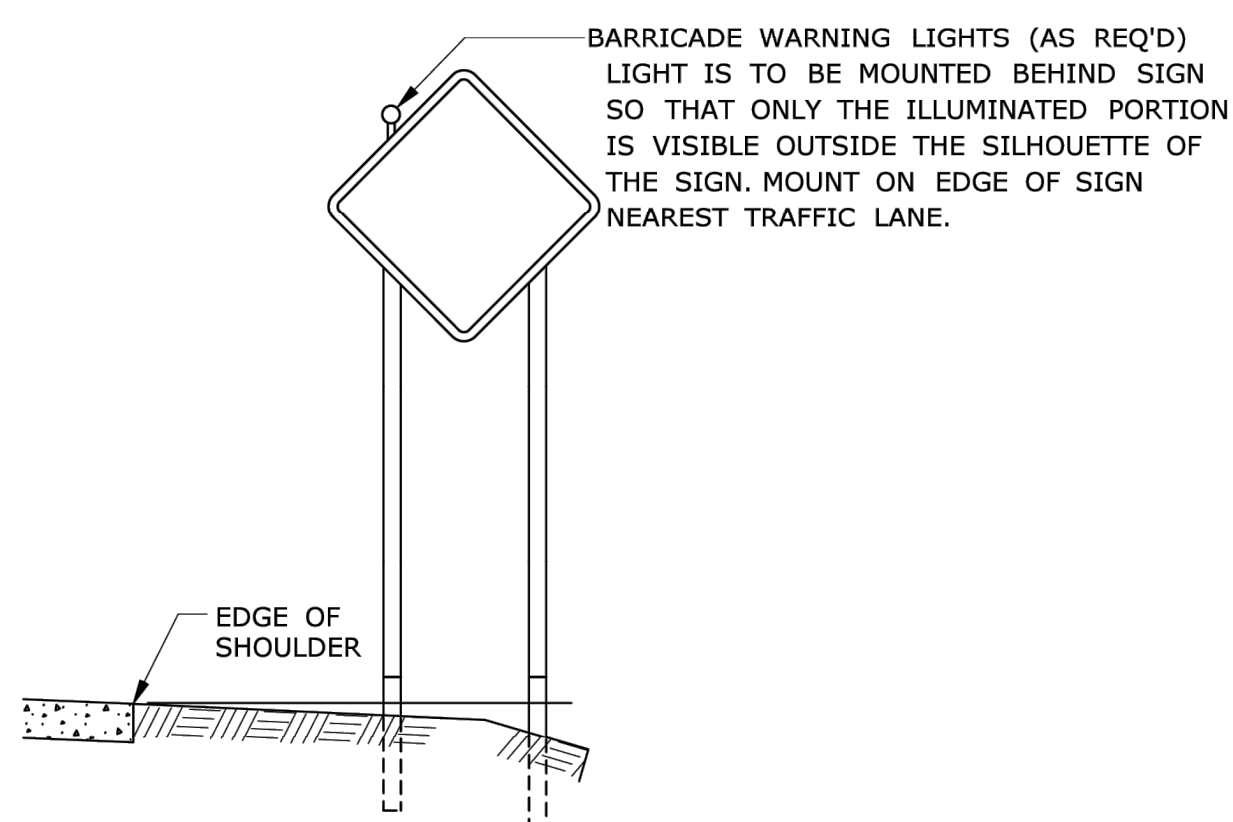


TYPE III BARRICADE

CONSTRUCTION BARRICADES

NOTES:

- CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
- CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
- SIGNS INSTALLED ON TYPE III BARRICADES SHALL BE PLACED SO AS TO COVER NO MORE THAN 50 PERCENT OF THE TOP TWO RAILS, OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS.
- CONSTRUCTION BARRICADES SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.



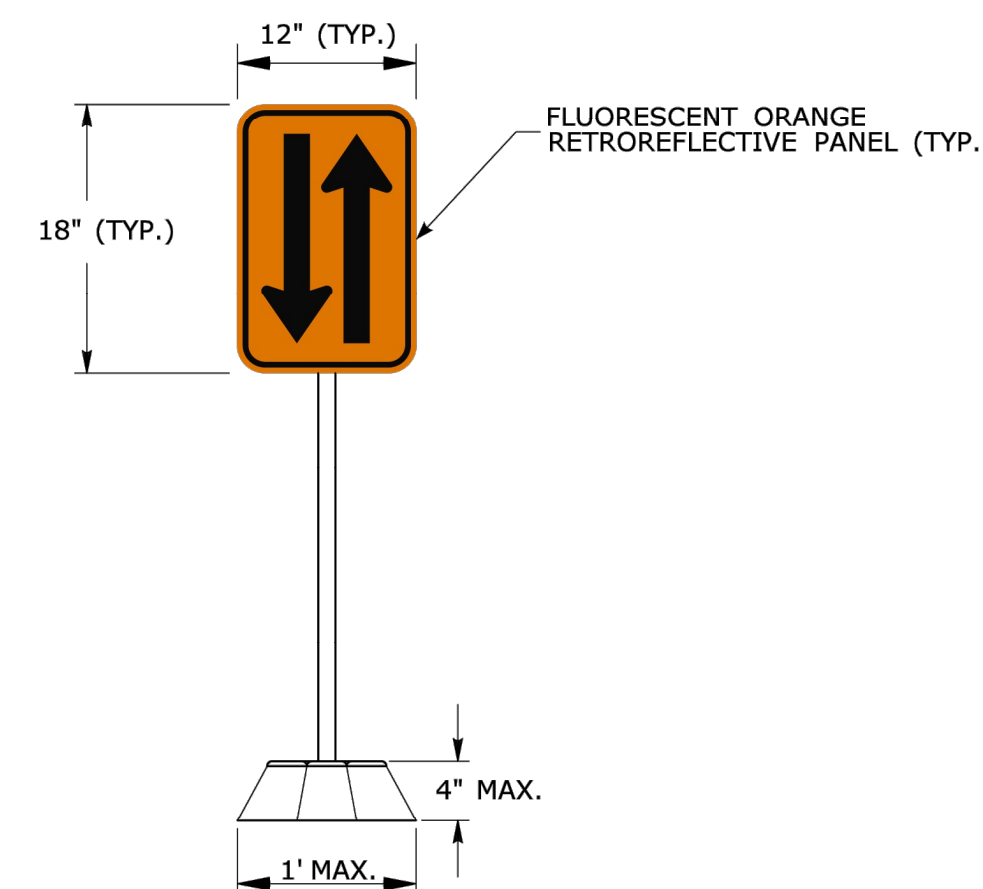
PLACEMENT OF BARRICADE WARNING LIGHTS ON CONSTRUCTION SIGNS

NOTES:

- SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.
- REFER TO STANDARD SHEETS:
TR-1208.01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS."
TR-1208.02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."

GENERAL NOTE:

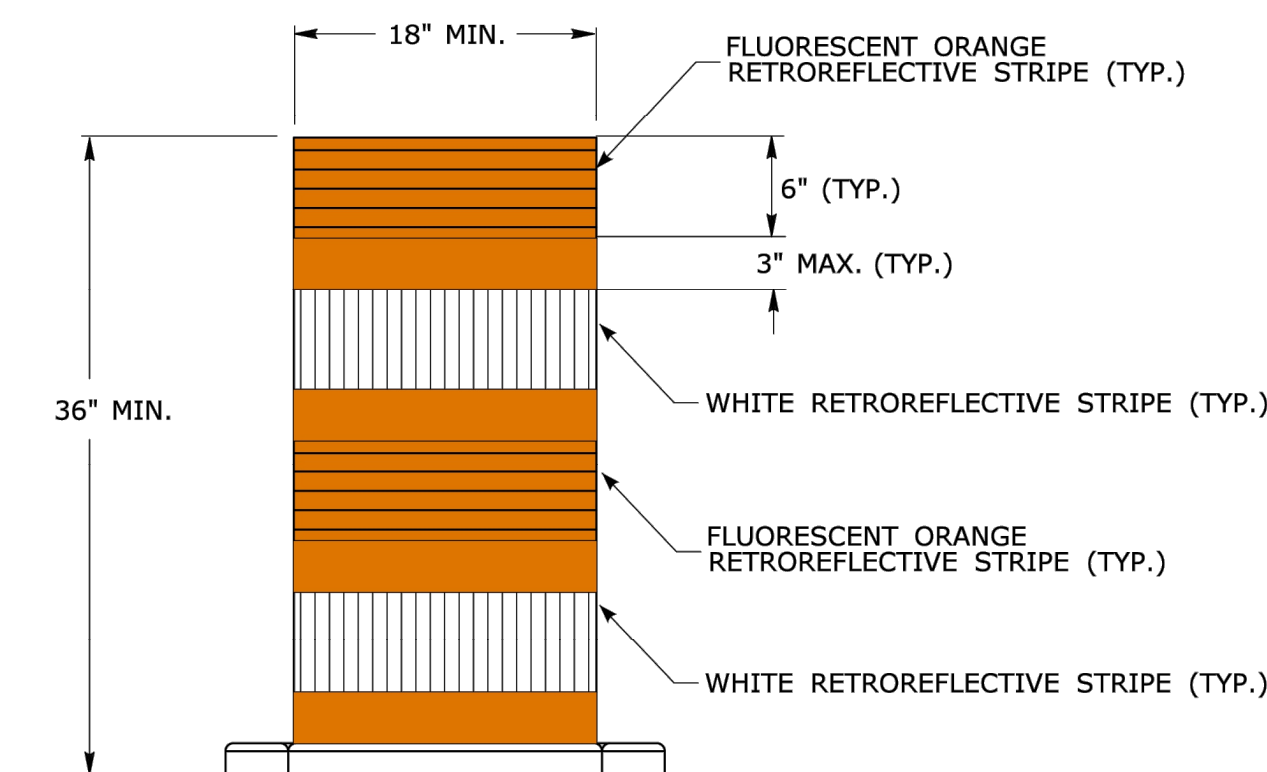
FLEXIBLE SHEETING FOR DRUMS, CONES, & BARRICADES SHALL BE TYPE IV MINIMUM AS APPROVED IN THE QUALIFIED PRODUCTS LIST.



OPPOSING TRAFFIC LANE DIVIDERS (TEMPORARY LANE SEPARATOR)

NOTES:

- THE OPPOSING TRAFFIC LANE DIVIDERS SHALL BE MOUNTED BACK TO BACK ON A FLEXIBLE SUPPORT POST. THE POST SHALL BE MOUNTED TO A BASE.
- THE LONGITUDINAL BASE SHALL HAVE SLOPING SIDES IN ORDER TO FACILITATE CROSSOVER BY EMERGENCY VEHICLES.



TRAFFIC DRUM FRONT VIEW

NOTES:

- TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING.
- THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

SIGNATURE BLOCK:

NOT TO SCALE



CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:

CTDOT TRAFFIC ENGINEERING GUIDE SHEET

TOWN(S):

DRAWING TITLE:

CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

PROJECT NO.:

DRAWING NO.:

TR-GS_14

SHEET NO.:

26

DESIGNER/DRAFTER: S. DRISCOLL CHECKED BY: Q. BECOTTE