

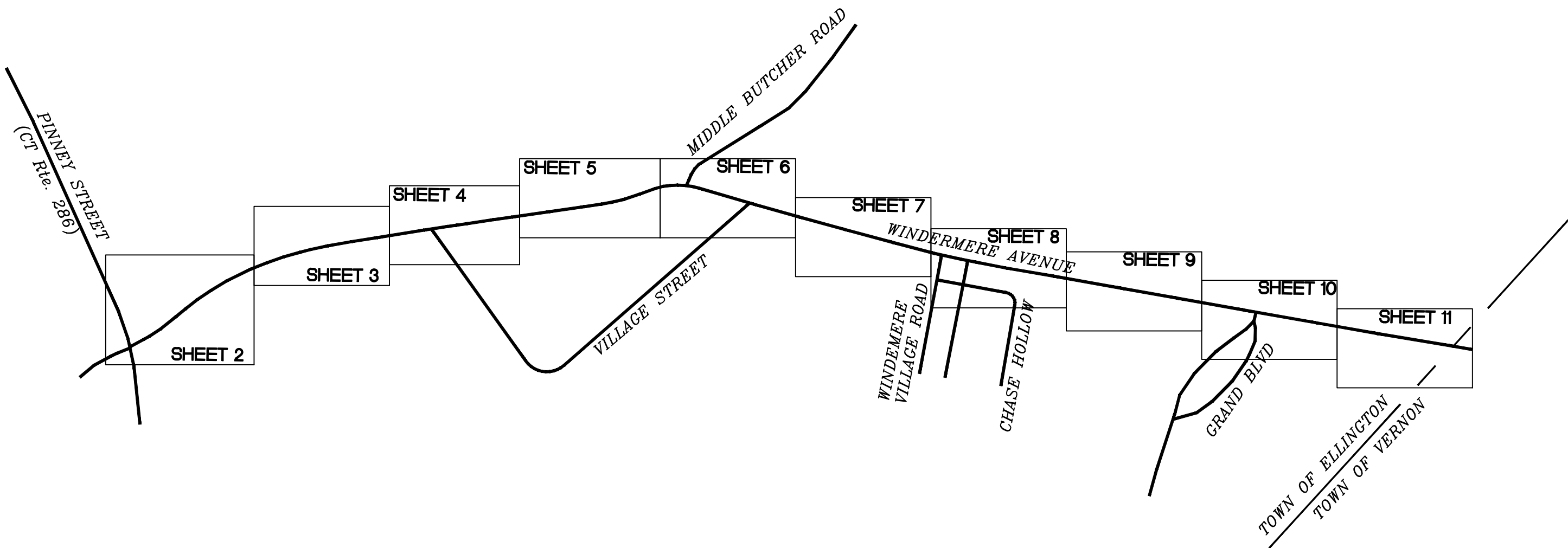
Windermere Avenue

Drainage, Sidewalk & Roadway Improvements

Ellington, Connecticut

LOTICIP Project No. L047-0003

First Selectman.....Lori L. Spielman
Director of Public Works.....Thomas Modzelewski



GENERAL NOTES:

- Horizontal datum based on N.A.D. 1983. Elevations based on N.A.V.D. 1988 Datum.
- All underground utility locations on this plan are approximate and may not be complete. Anyone using this information without verifying the locations does so at their own risk. No construction will be done on this site prior to utility mark out. "Call Before You Dig 1-800-922-4455".
- All construction materials and methods in the State R.O.W. shall conform to the Department's Standard Specifications for Roads, Bridge, Facilities and Incidental Construction, Form 819, 2024.
- Town of Ellington to obtain temporary grading rights from all properties abutting the sidewalk.
- Concrete sidewalks shall be maintained by the Town and local abutters per Town Ordinances. All other improvements in the Rte 286 R.O.W. shall be maintained by the CT Department of Transportation.

CONSTRUCTION NOTES:

- The Contractor shall accept the site in the condition in which it exists at the time of the award of the Contract.
- Contractor shall be responsible for pedestrian and traffic control during construction. All efforts will be made to minimize impacts to vehicular and pedestrian traffic. The Contractor shall provide a pedestrian and vehicular traffic management plan to the Owner for review prior to construction.
- The Contractor shall be responsible for providing all measures necessary to protect existing utilities, persons and property at the site at all times. Promptly repair damage to adjacent facilities at no cost to the Owner.
- Locate existing underground utilities in areas of work. If utilities are to remain in place, provide adequate support and protection during earthwork operations, comply with OSHA requirements. Repair any damaged utilities as acceptable to the Engineer, at no additional cost to the Owner.
- Remove from site debris, rubbish, and other materials resulting from demolition operations. Transport and legally dispose off site. Leave site in clean condition at the end of each work day.
- Contractor is to protect all iron pins and property line monumentation, unless specifically called out not to be replaced. Any iron pins or monumentation which are disturbed during construction shall be reset/replaced by a CT licensed land surveyor at the expense of the Contractor.
- All fill materials installed as base under sidewalk and pavements shall be compacted to achieve a minimum dry density of 95 percent of the Modified Proctor maximum dry density of the material used (AASHTO T 180, Method D) by the nuclear method. The contractor shall be responsible to subcontract an independent testing company to be approved by the Owner for the performance of the required compaction testing. Compaction testing of subbase and base material shall be performed once every 500 cubic yards or once daily during installation of base materials, whichever is greater.
- The contractor shall be responsible to subcontract an independent testing company to be approved by the Owner to perform laboratory testing of portland cement concrete materials for compressive strength per AASHTO T22. The testing laboratory shall collect cylinders for analysis at a frequency of 4 cylinders per 75 cubic yards or two per day, whichever is greater. The minimum required 28-day compressive strength for Class F portland cement concrete is 4,000 psi.

INDEX OF SHEETS

1"=400'

Prepared For:
Town of Ellington
55 Main Street
Ellington, CT 06029

90% LOTICIP SUBMISSION 9-13-24

Prepared By



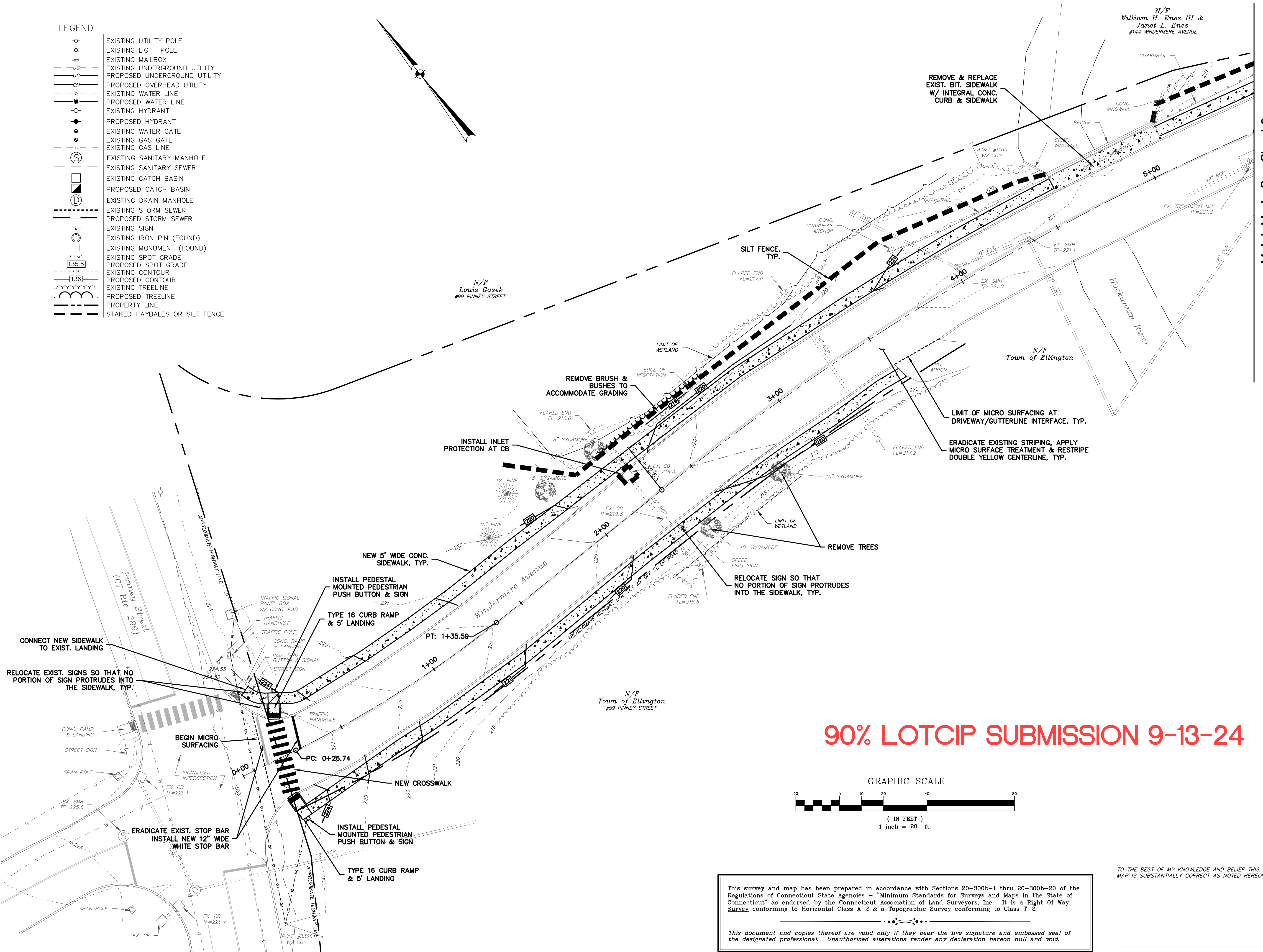
DRAWING INDEX

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SITE PLAN STA. 5+50-10+80	.3 of 13	X-XX-24
SITE PLAN STA. 10+80-16+00	.4 of 13	X-XX-24
SITE PLAN STA. 16+00-21+50	.5 of 13	X-XX-24
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TRAFFIC CONTROL FOUNDATIONS	TR-1002_01
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PEDESTALS, PEDESTRIAN SIGNALS	TR-1102_01
TRAFFIC SIGNALS & CABLE ASSIGNMENTS	TR-1105_01
PEDESTRIAN PUSH BUTTONS	TR-1107_01
SIGN PLACEMENT & RETROREFLECTIVE STRIP DETAILS	TR-1208_01
METAL SIGN POSTS & SIGN MOUNTING DETAILS	TR-1208_02

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Match Mark See Sheet 3



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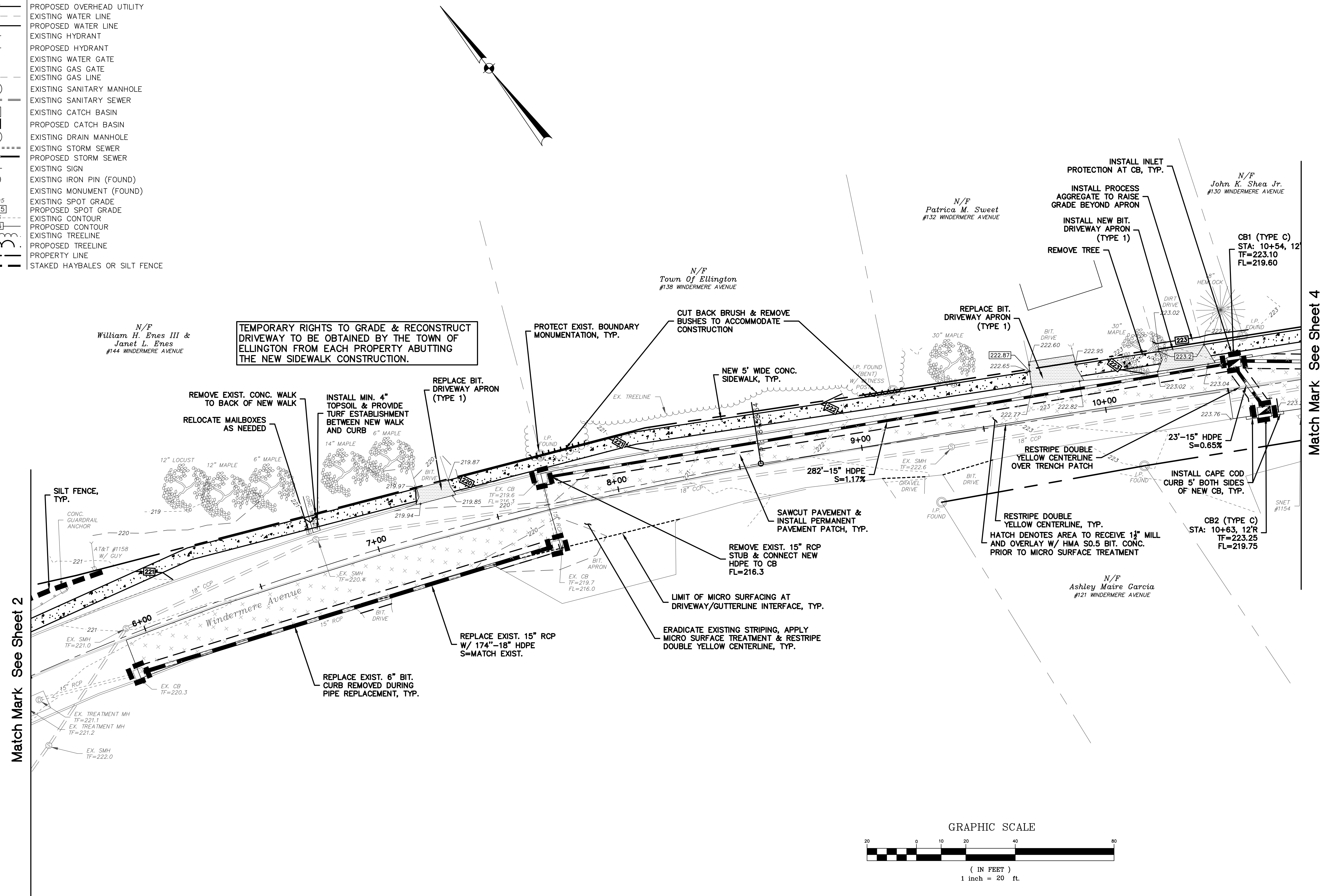
REVISIONS

BY: CJC CHK: TAC/JEU

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Windermere Avenue
Ellington, Connecticut

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0+00-5+50

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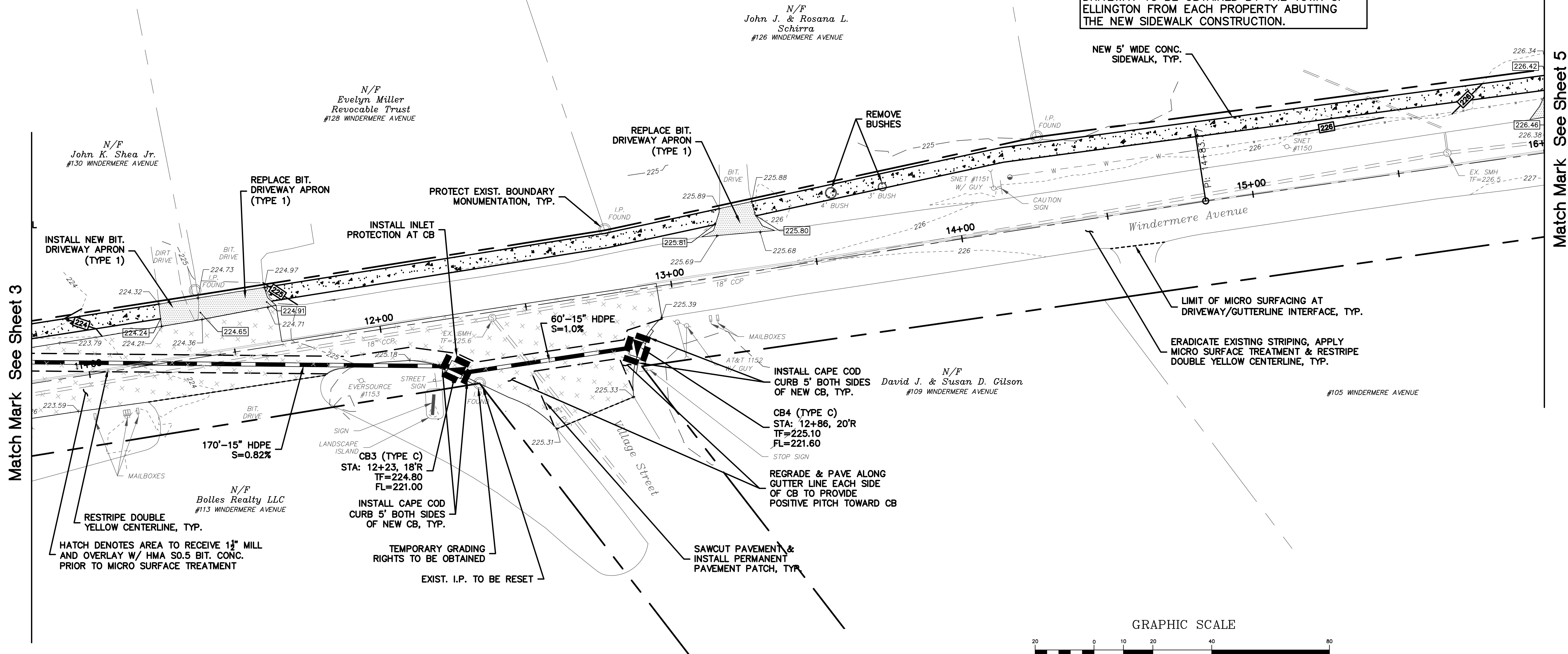
90% LOTCIP SUBMISSION 9-13-24

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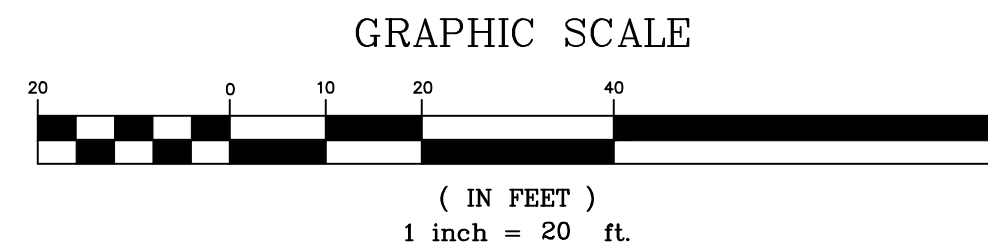
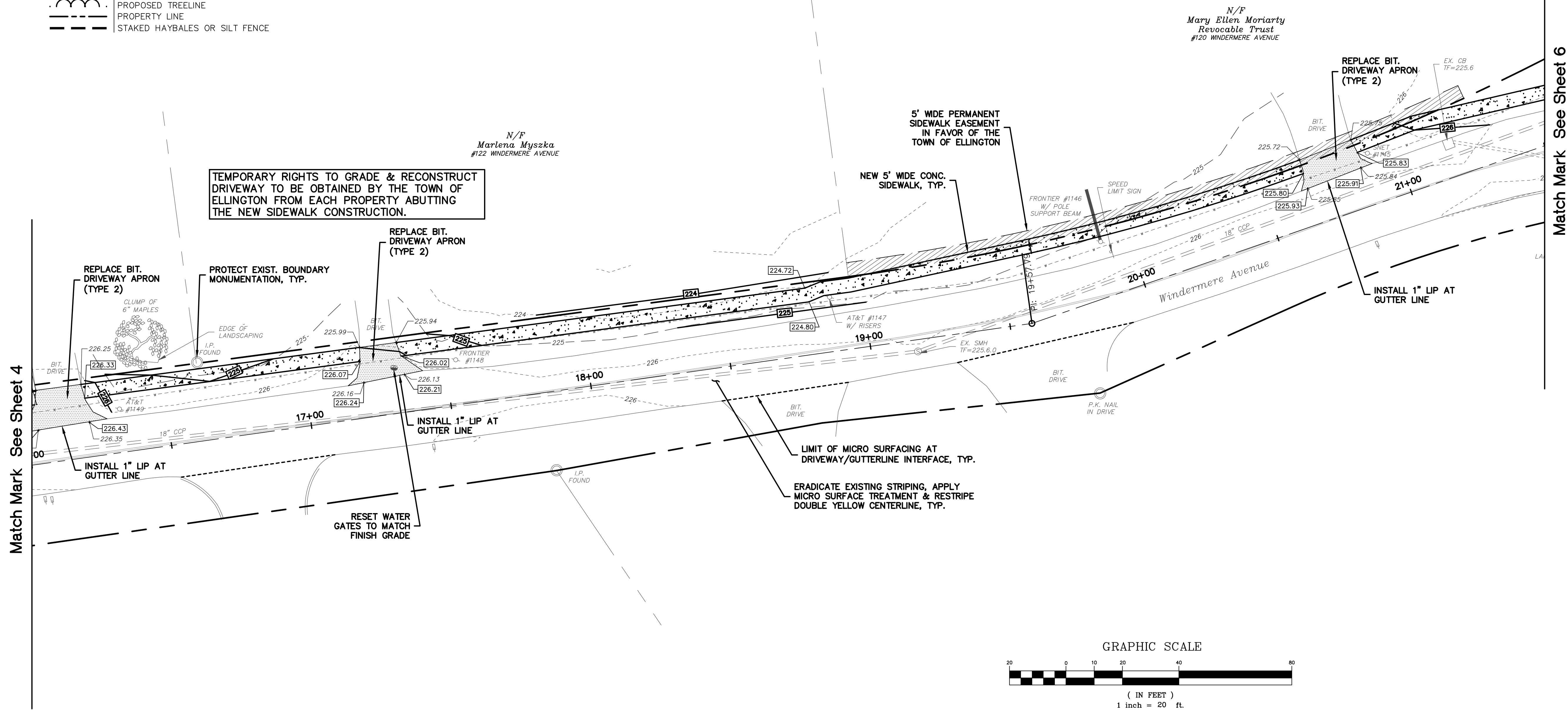
TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS
MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

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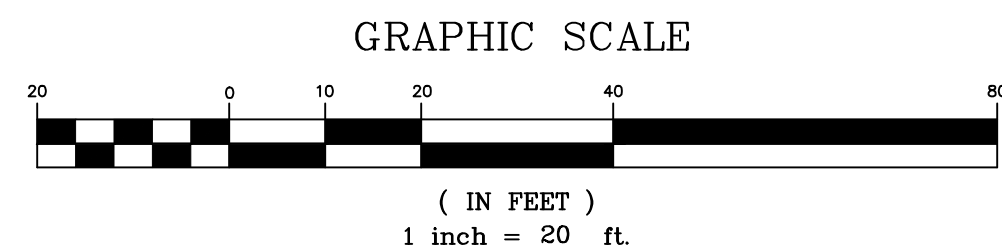
REVISIONS	
BY: CJC	CHK: TAC/JEU

Windermere Avenue
Drainage, Sidewalk & Roadway Improvements
Prepared For
Ellington Department of Public Works
Windermere Avenue
Ellington, Connecticut

Site Plan
Sta.
16+00-21+50

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90% LOTCIP SUBMISSION 9-13-24

Match Mark See Sheet 5

Match Mark See Sheet 7

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REVISIONS	
BY: CJC	CHK: TAC/JEU

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Windermere Avenue
Ellington, Connecticut

Site Plan Sta. 21+50-27+00	
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*Windermere Avenue
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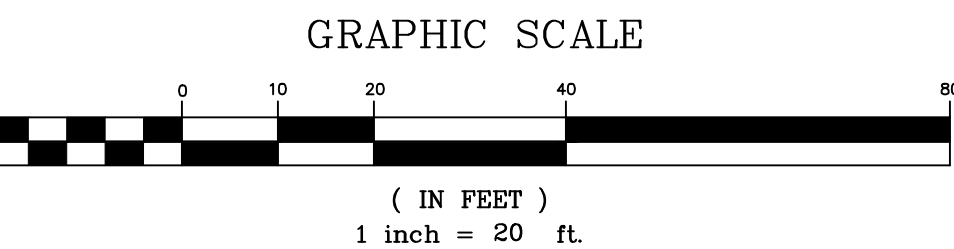
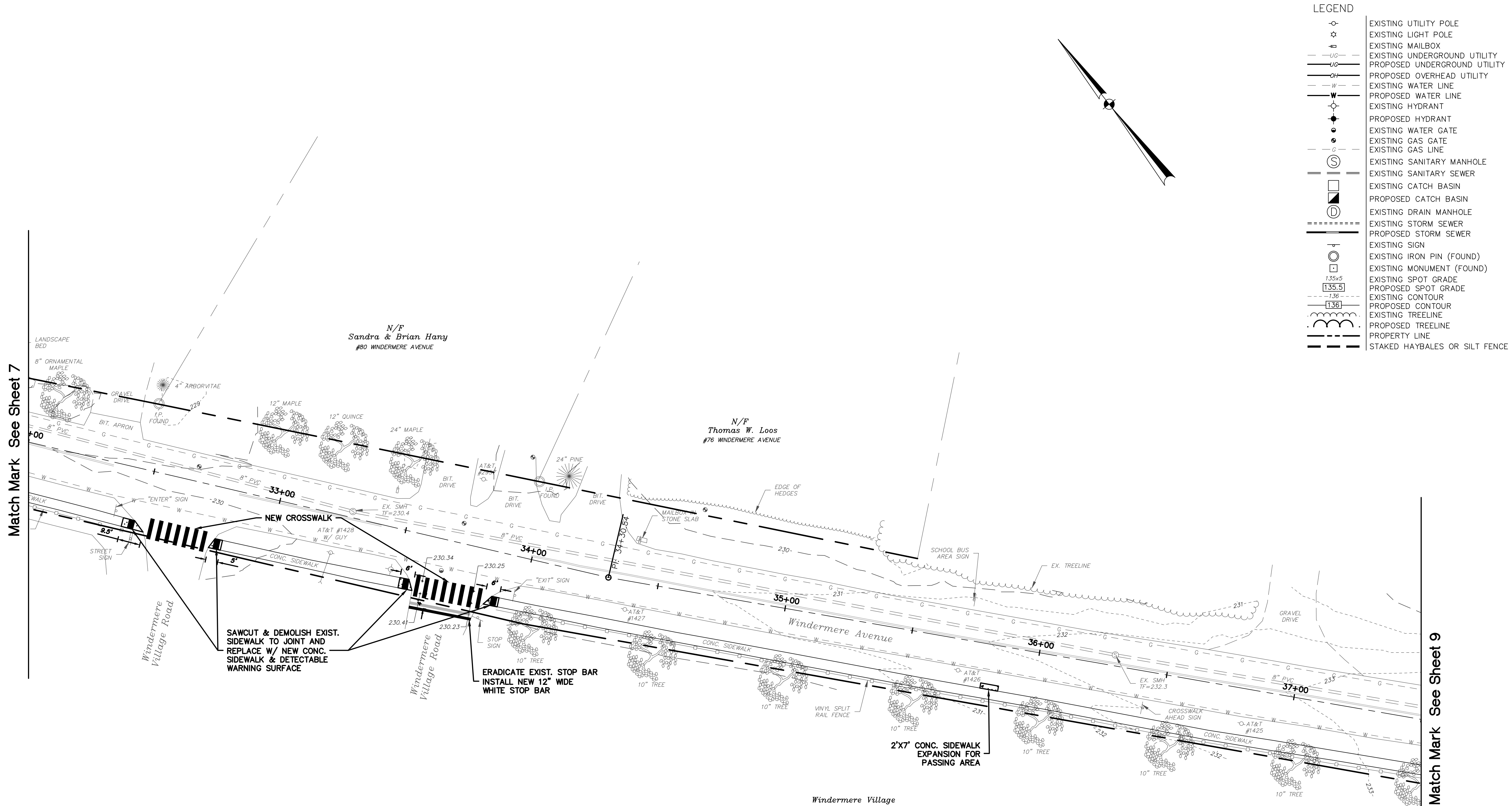
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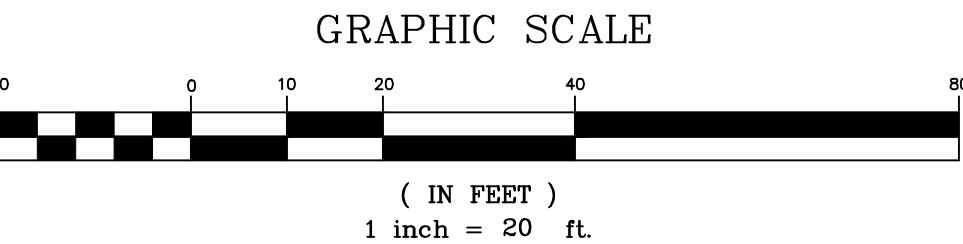
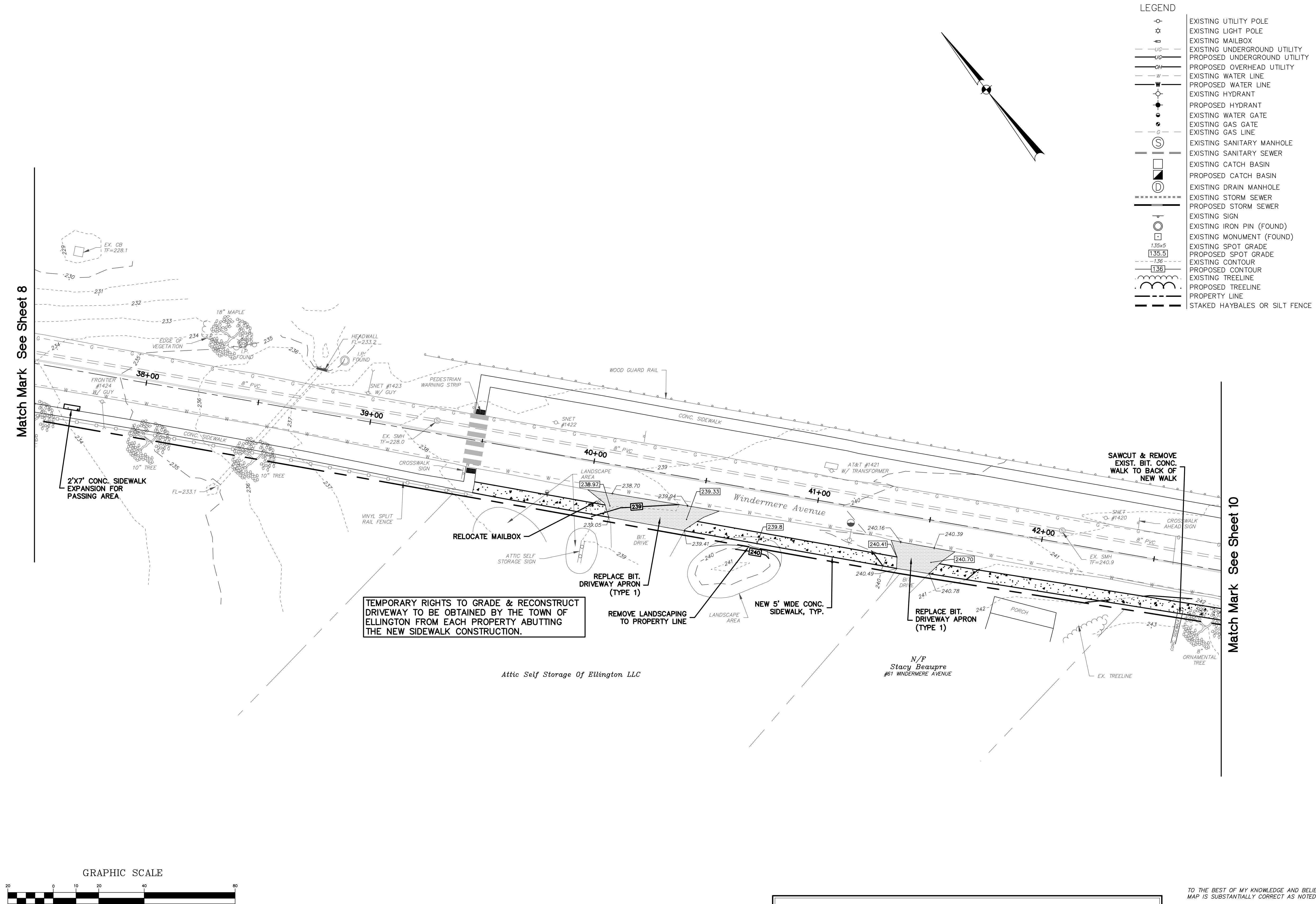
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REVISIONS	
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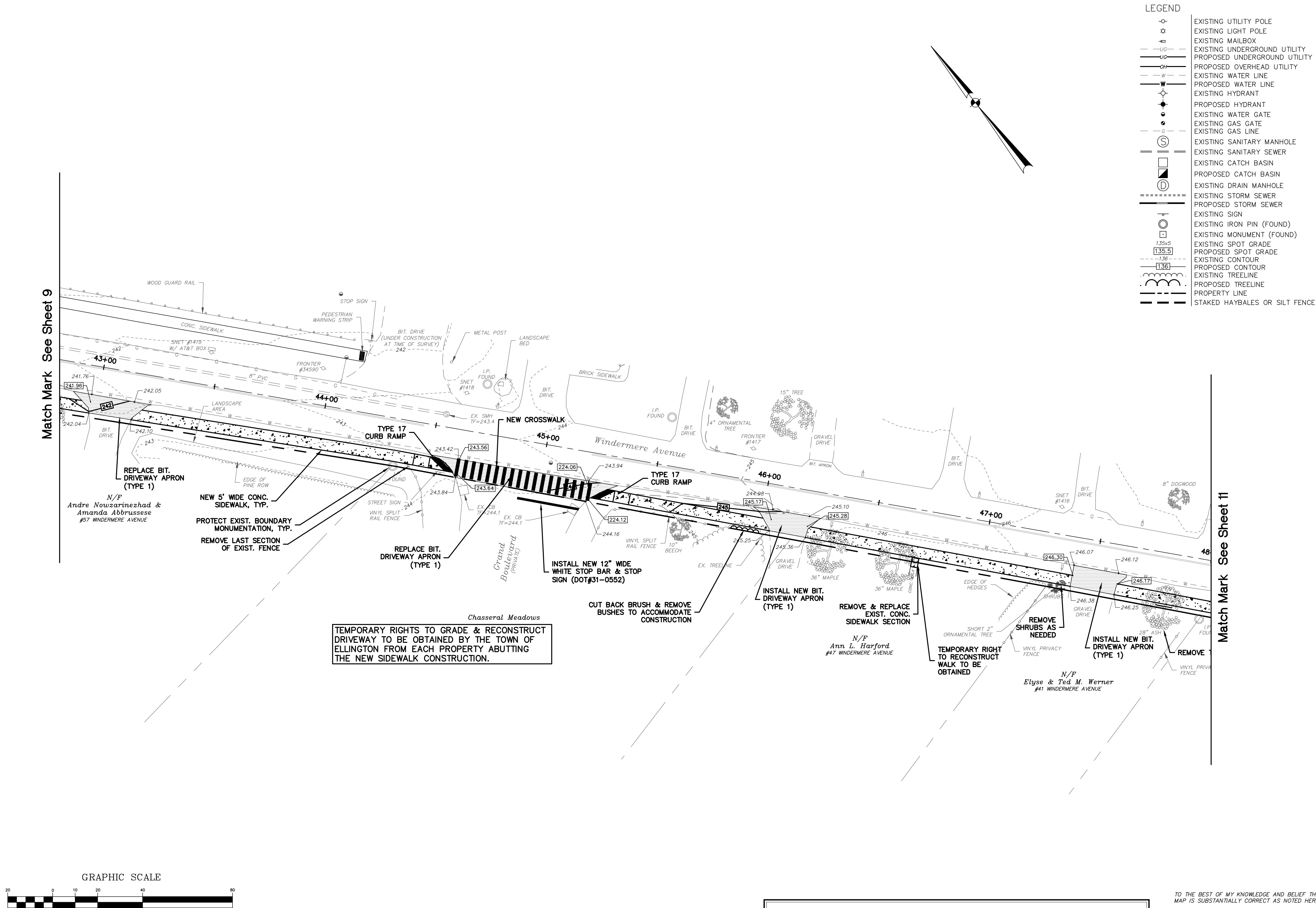
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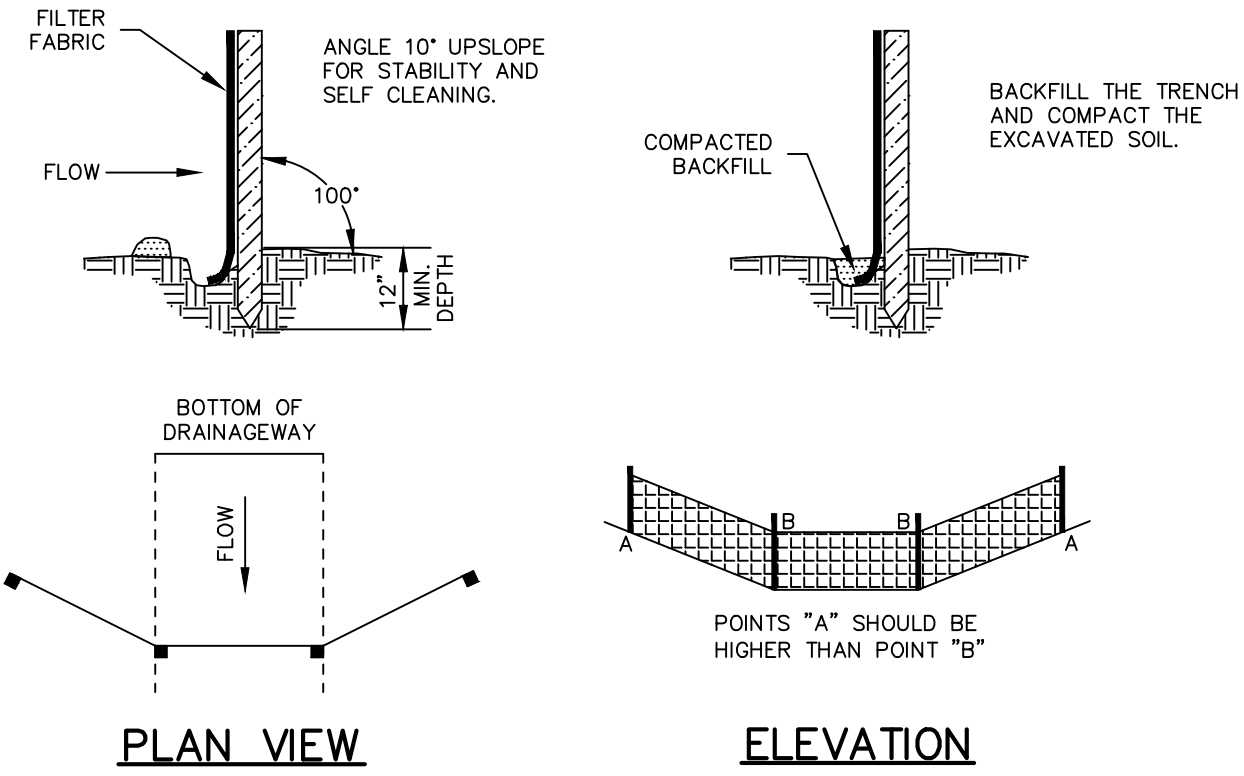


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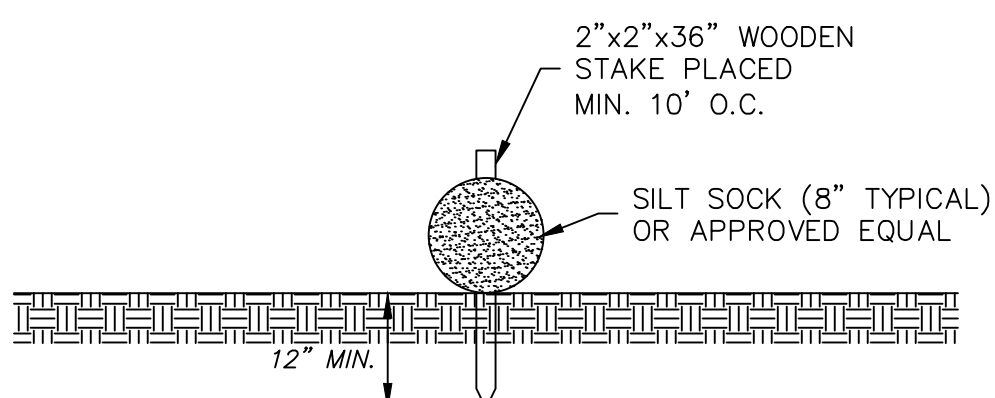
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SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

GEOTEXTILE SILT FENCE (GSF)

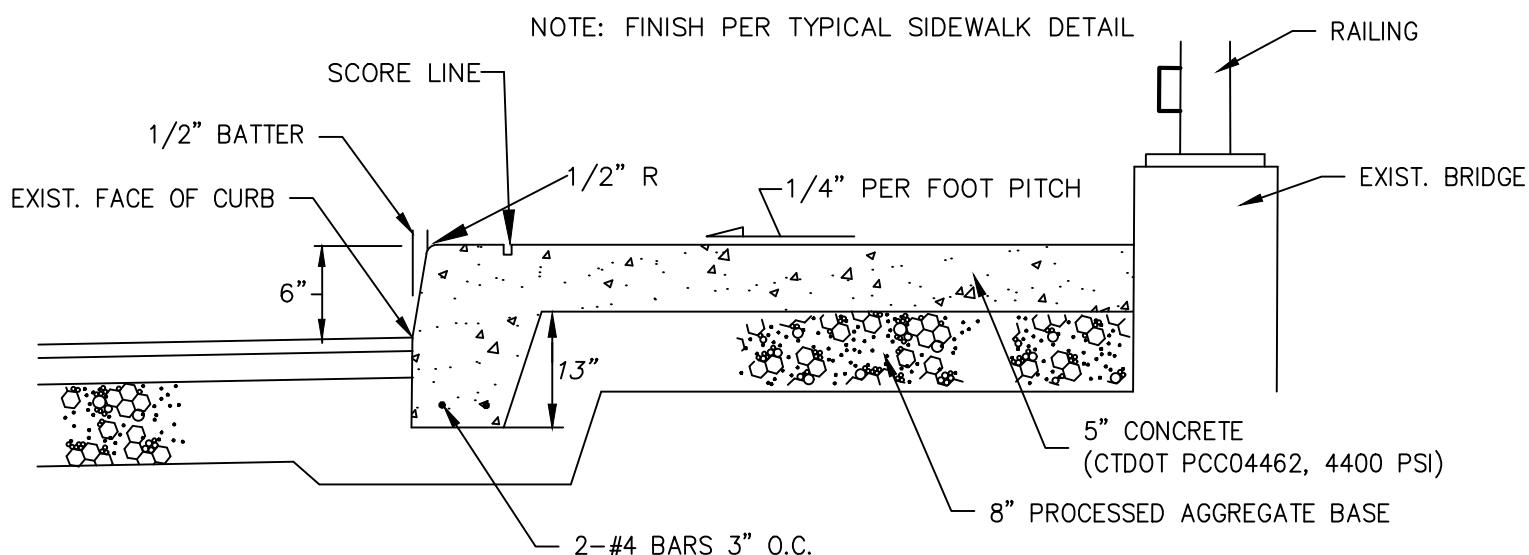
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NOTE: MAY BE USED AS ALTERNATIVE TO GEOTEXTILE SILT FENCE.

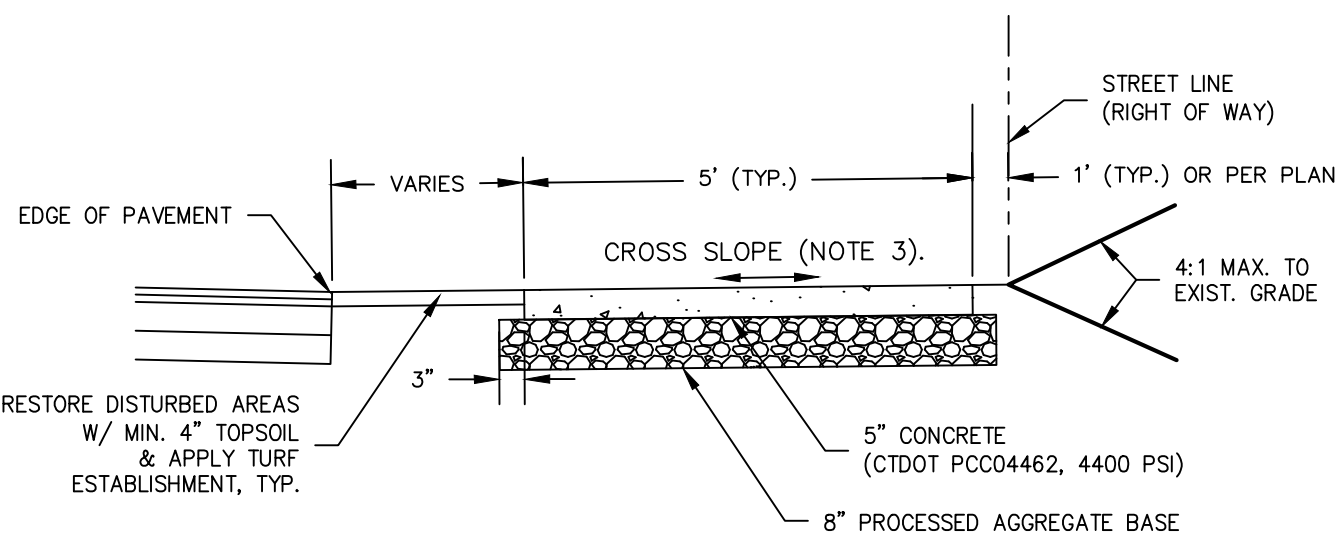
PERIMETER SEDIMENT BARRIER

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INTEGRAL SIDEWALK & CURB DETAIL

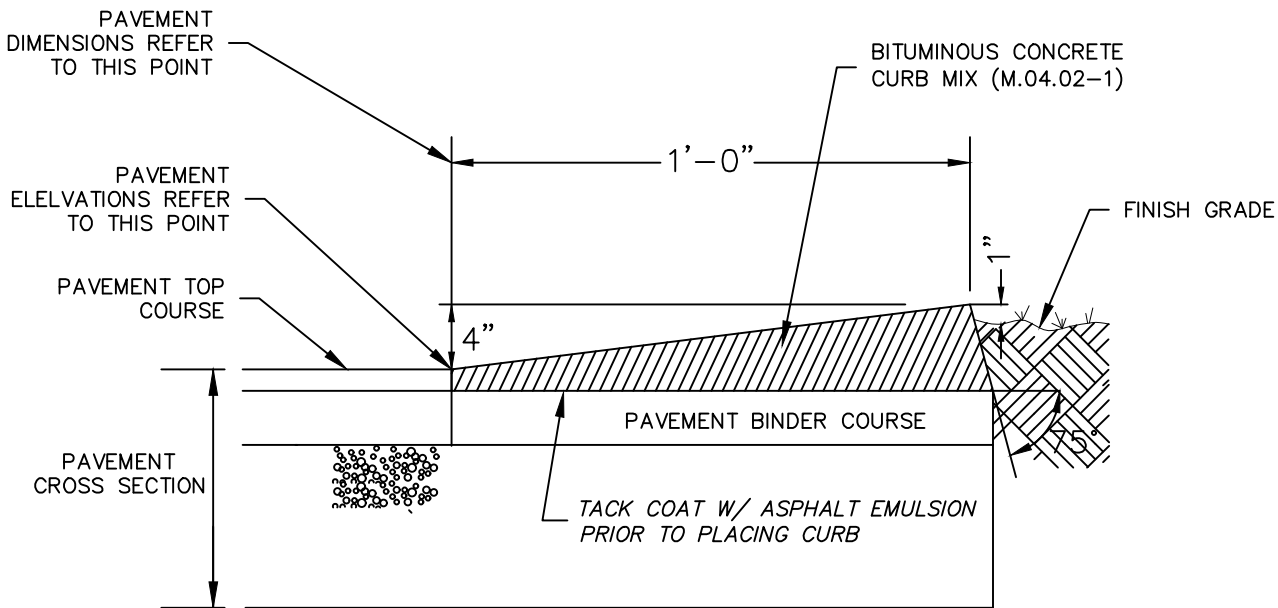
NOT TO SCALE



- NOTES:
- EXPANSION JOINTS TO BE PLACED AT MAXIMUM 20' SPACING AND BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES. USE 1/2" PREFORMED EXPANSION JOINT M.03.01-5, SET 1/4" BELOW SURFACE AND SEAL GAP WITH ELASTOMERIC POLYURETHANE JOINT SEALER
 - TRANSVERSE FALSE JOINTS AT MAX. 5' INTERVALS. NO LONGITUDINAL JOINTS.
 - CROSS SLOPE SHALL BE 1.5% TYP. 2.0% MAX. DIRECTION OF CROSS SLOPE PER PLAN.
 - CONCRETE SURFACE SHALL RECEIVE A BROOM FINISH.

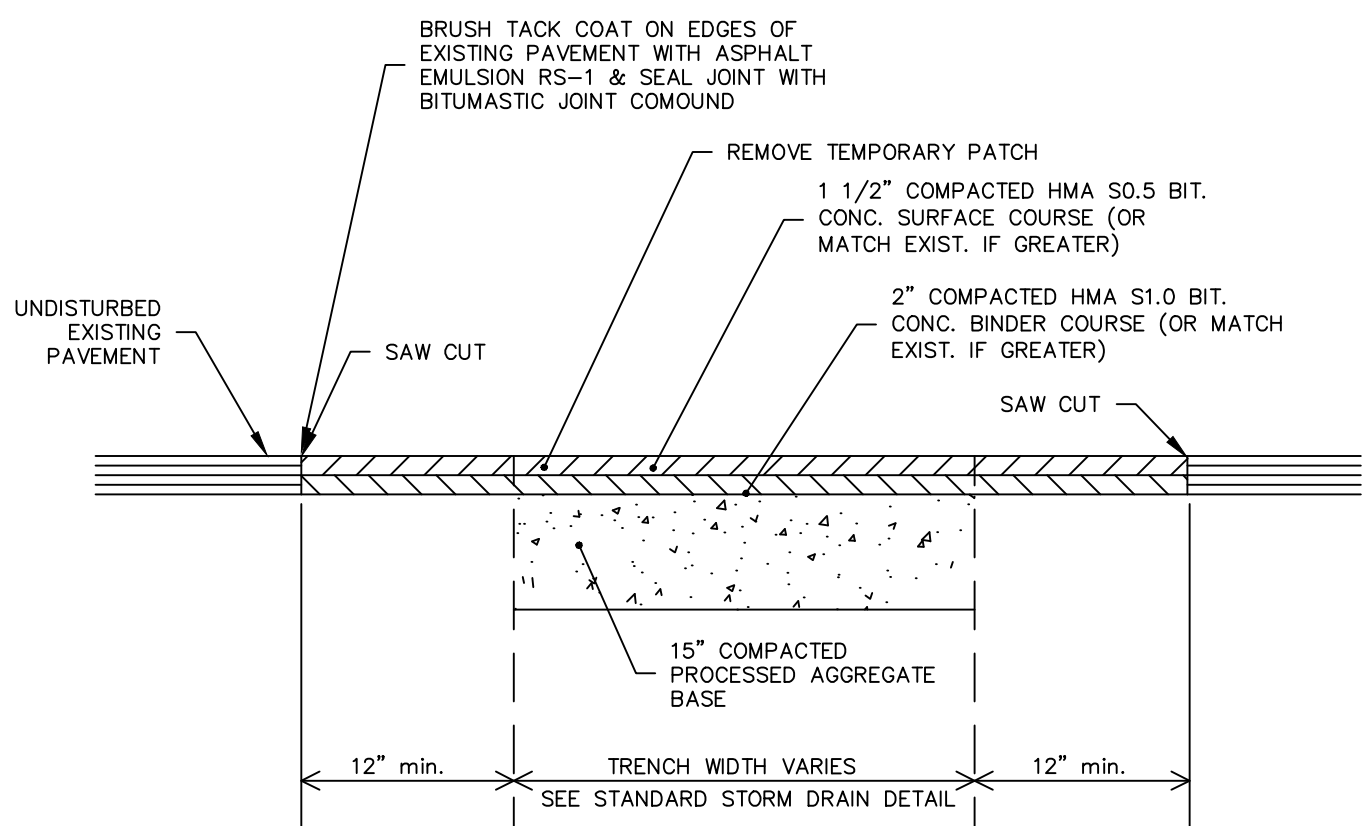
TYPICAL SIDEWALK DETAIL

NOT TO SCALE



CAPE-COD STYLE CURB

NOT TO SCALE

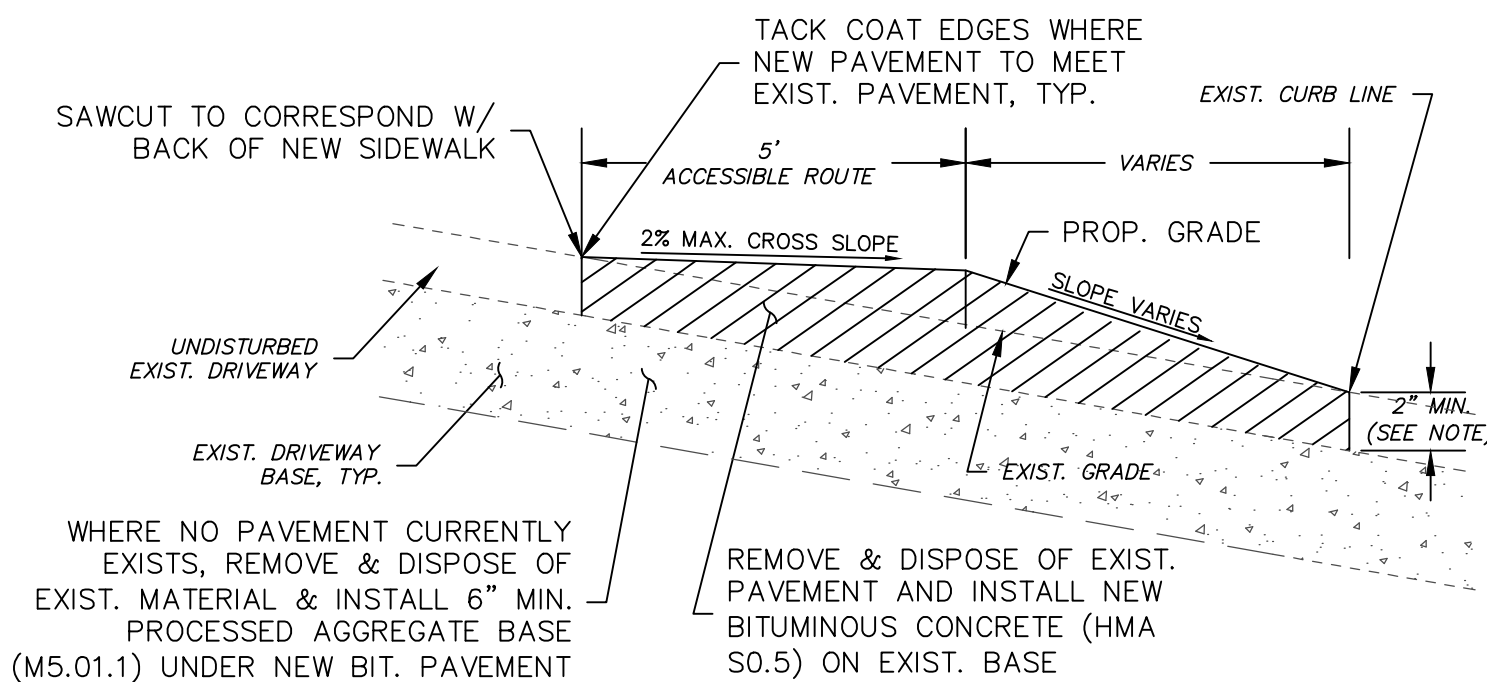


NOTES:

- ALL SAW CUT AND SEALED JOINTS TO BE EITHER PARALLEL WITH, OR PERPENDICULAR TO, THE CENTER-LINE OF THE PIPE.
- ALL MATERIALS ARE TO MEET CONN. DOT SPECIFICATIONS FORM 819 AS AMENDED.

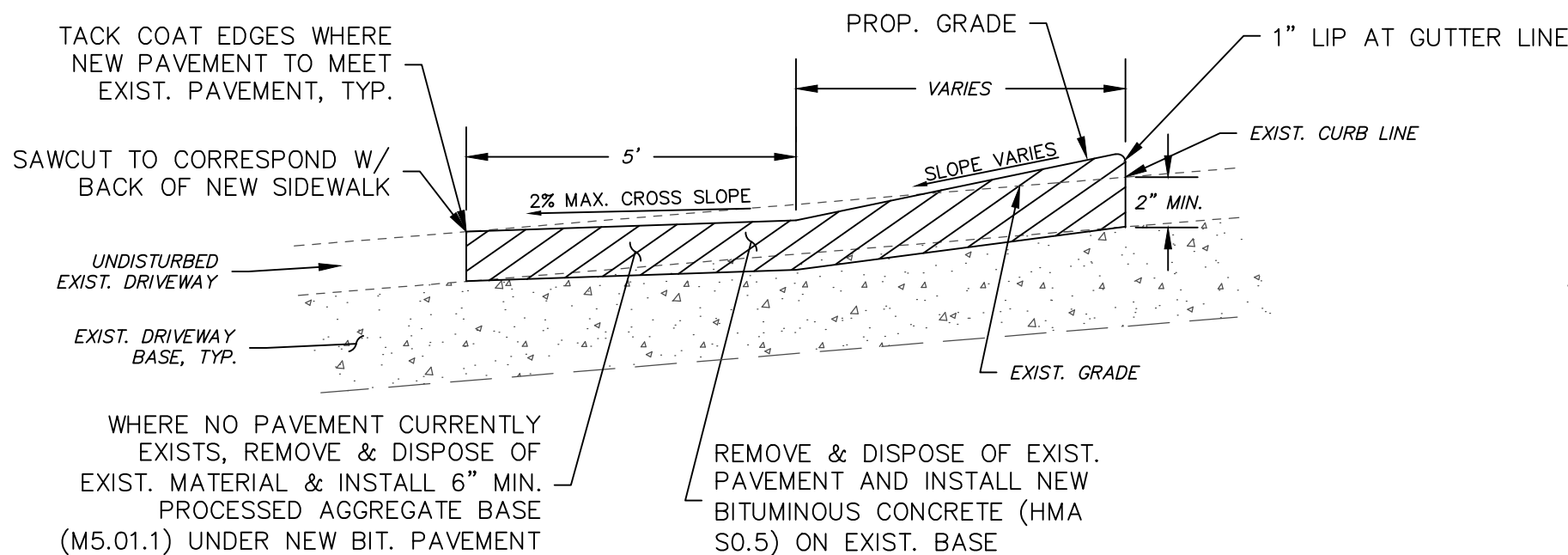
PERMANENT PAVEMENT PATCH

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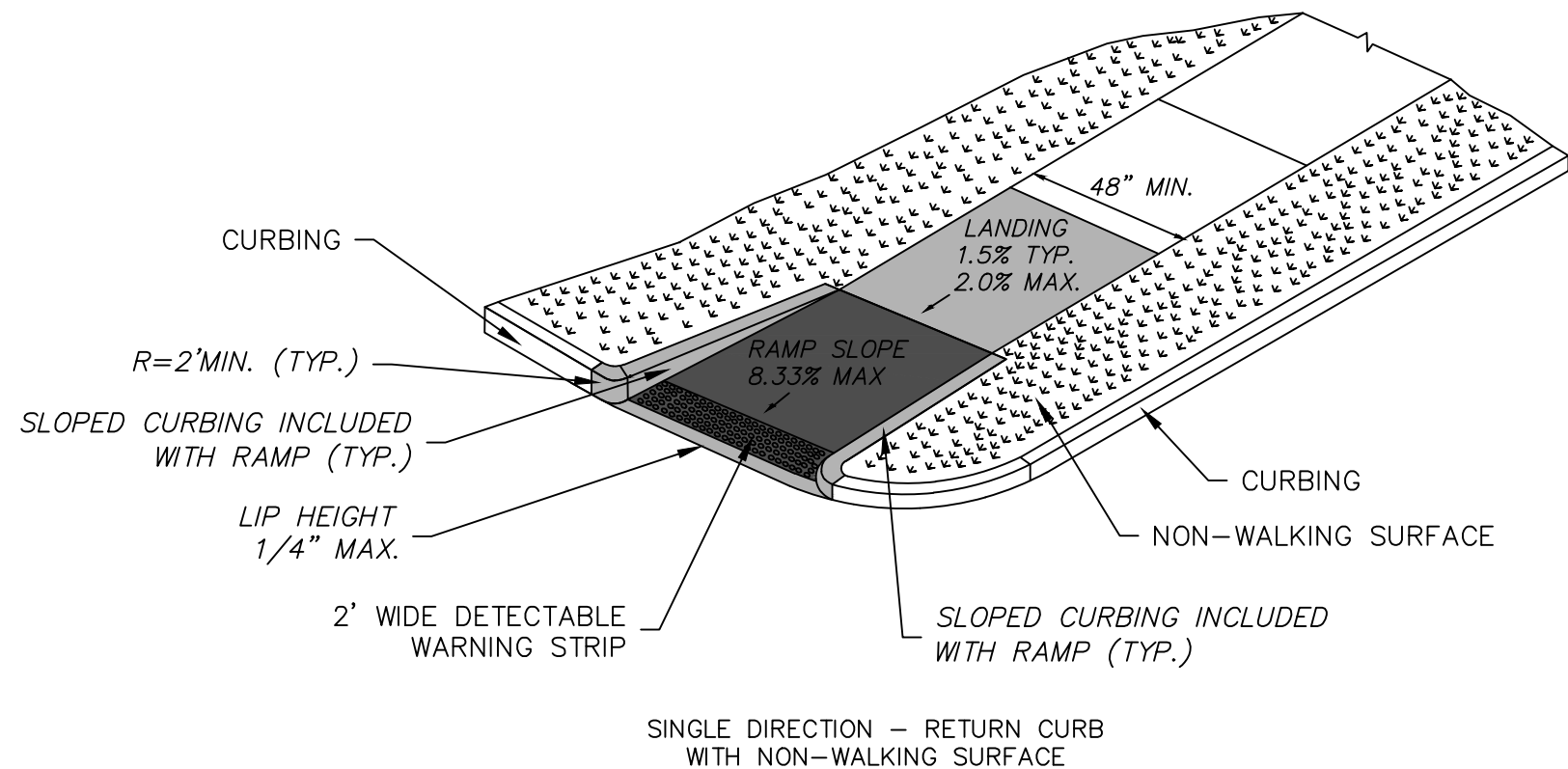
DRIVEWAY APRON REPLACEMENT (TYPE 1)

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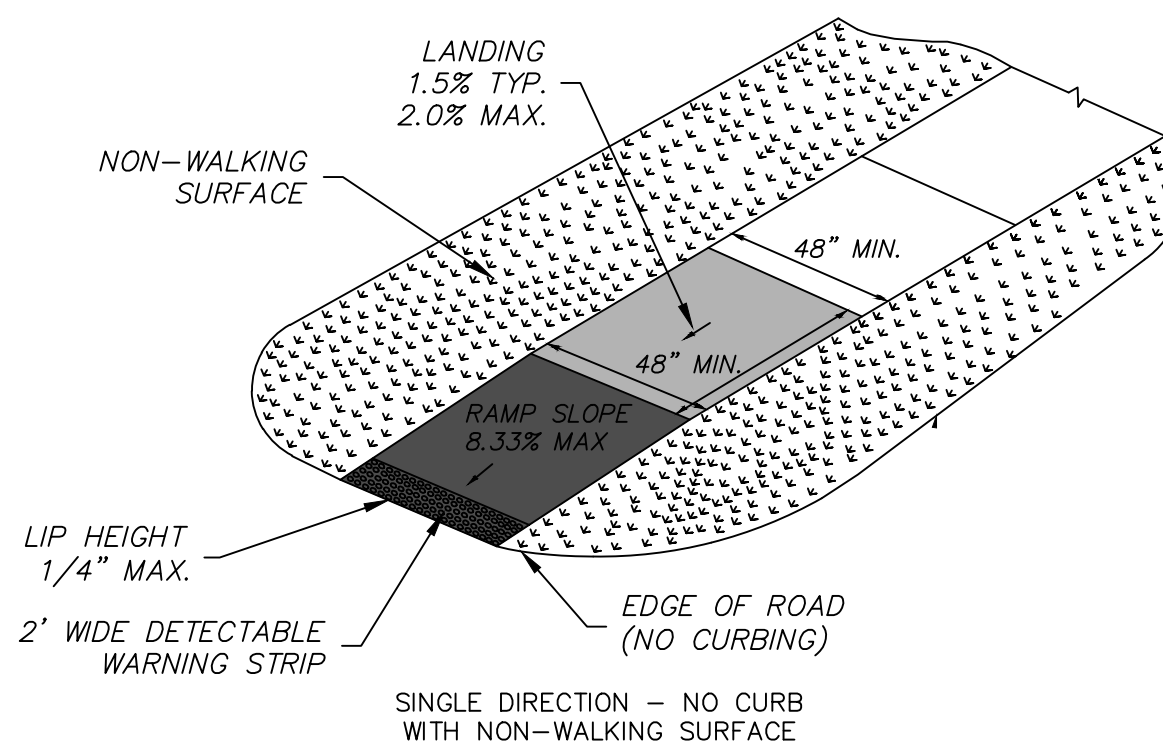
DRIVEWAY APRON REPLACEMENT (TYPE 2)

NOT TO SCALE



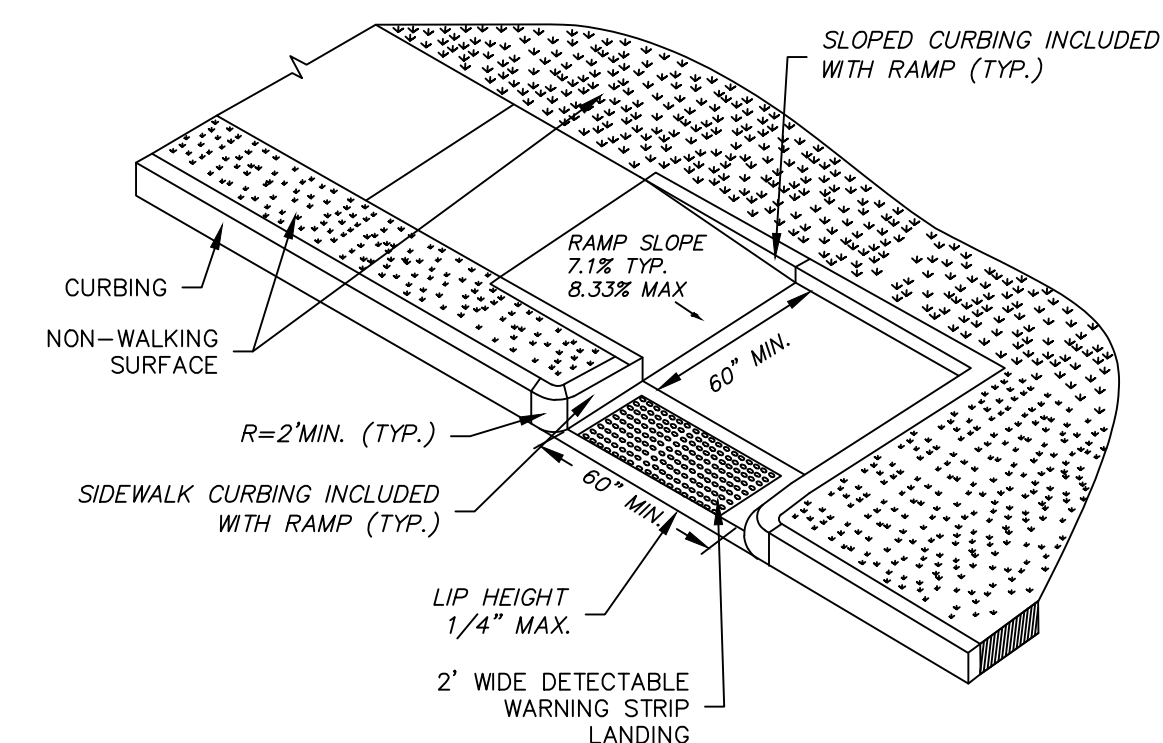
CURB RAMP (TYPE 16)

NOT TO SCALE



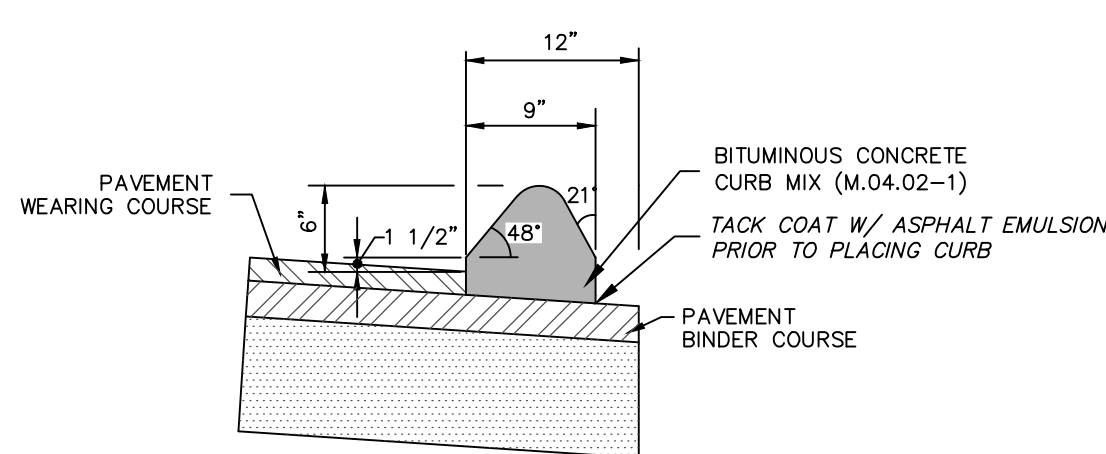
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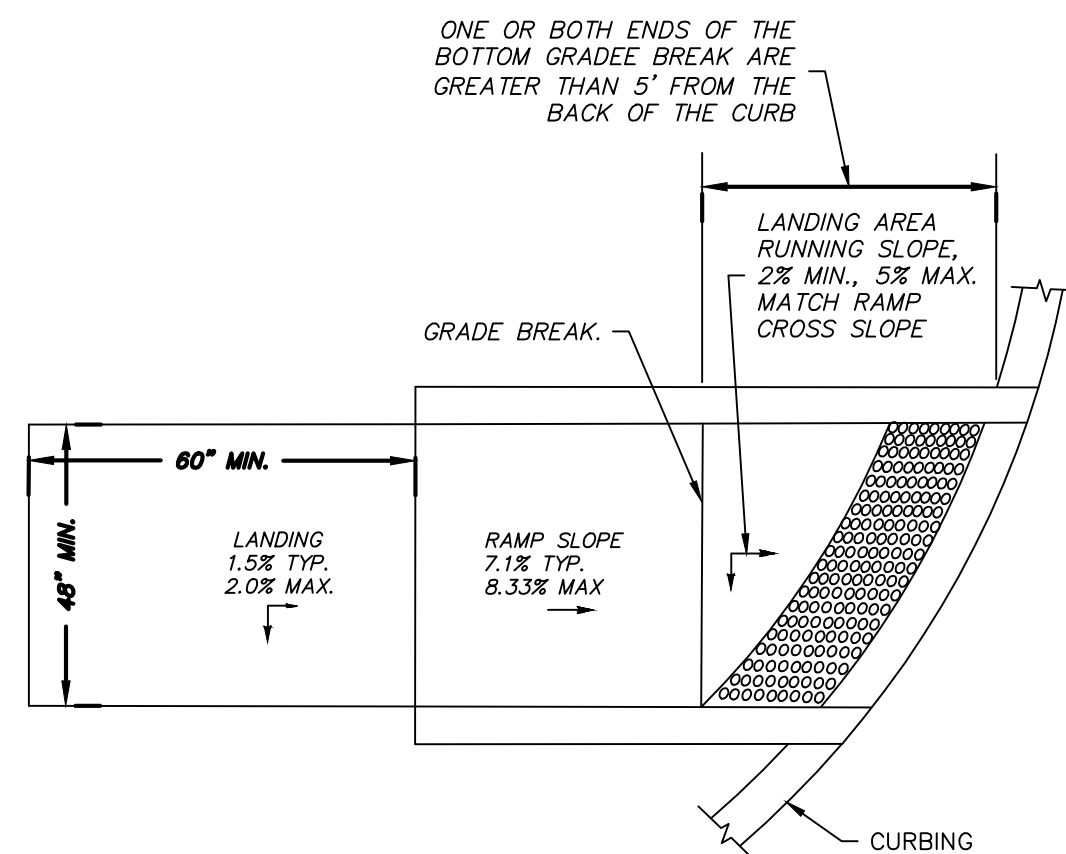
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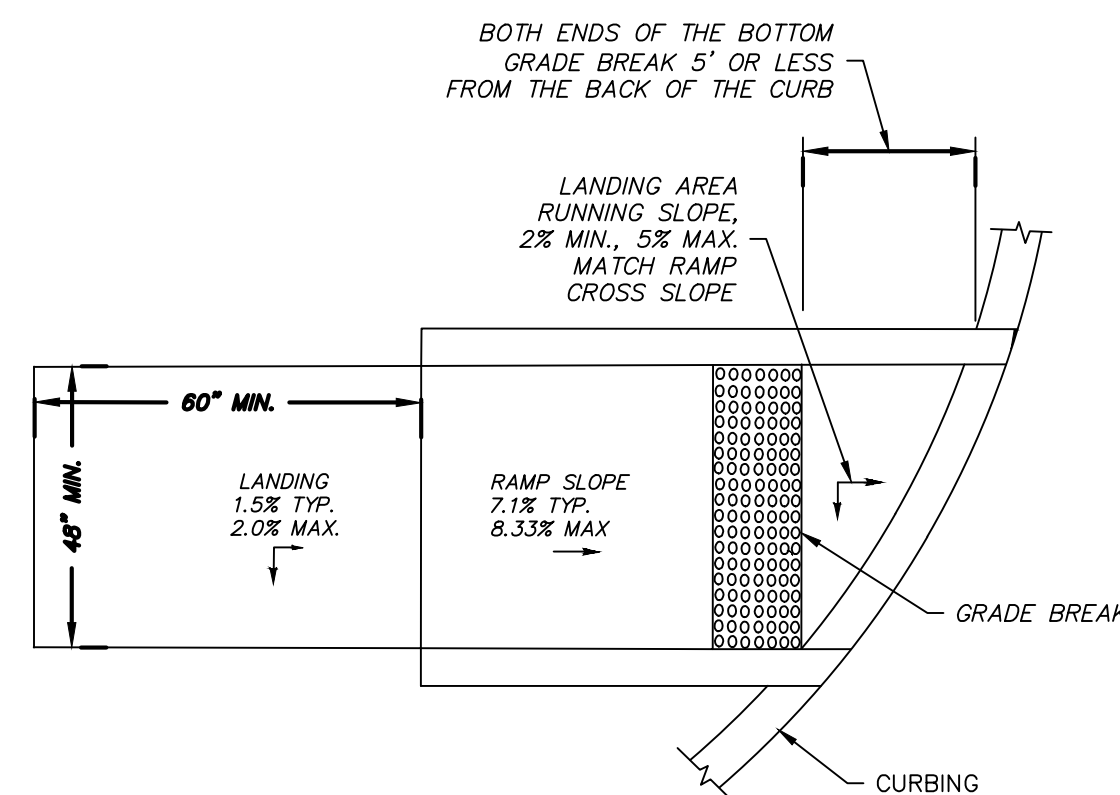
6" BITUMINOUS CONCRETE LIP CURB

NOT TO SCALE



GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION

NOT TO SCALE

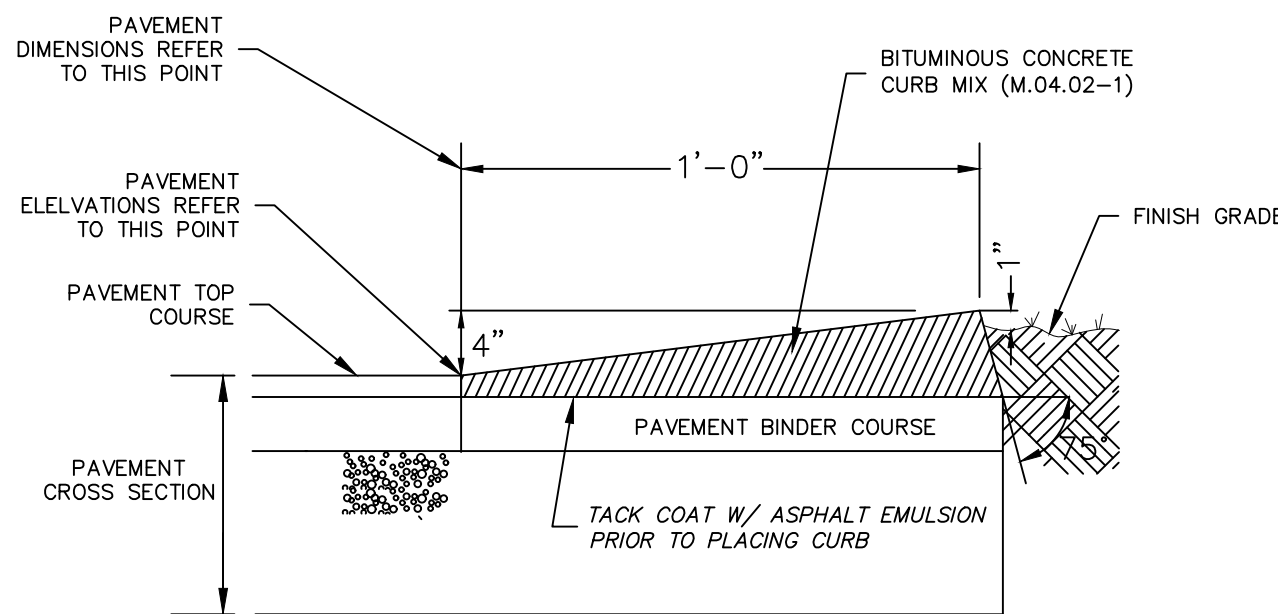


GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

NOT TO SCALE

GENERAL NOTE REGARDING DETAILS:

ALL MATERIALS SHALL CONFORM TO CT DOT FORM 819, LATEST EDITION, UNLESS OTHERWISE NOTED.



CAPE-COD STYLE CURB

NOT TO SCALE

REVISIONS	
BY: CJC	CHK: TAC/JEU

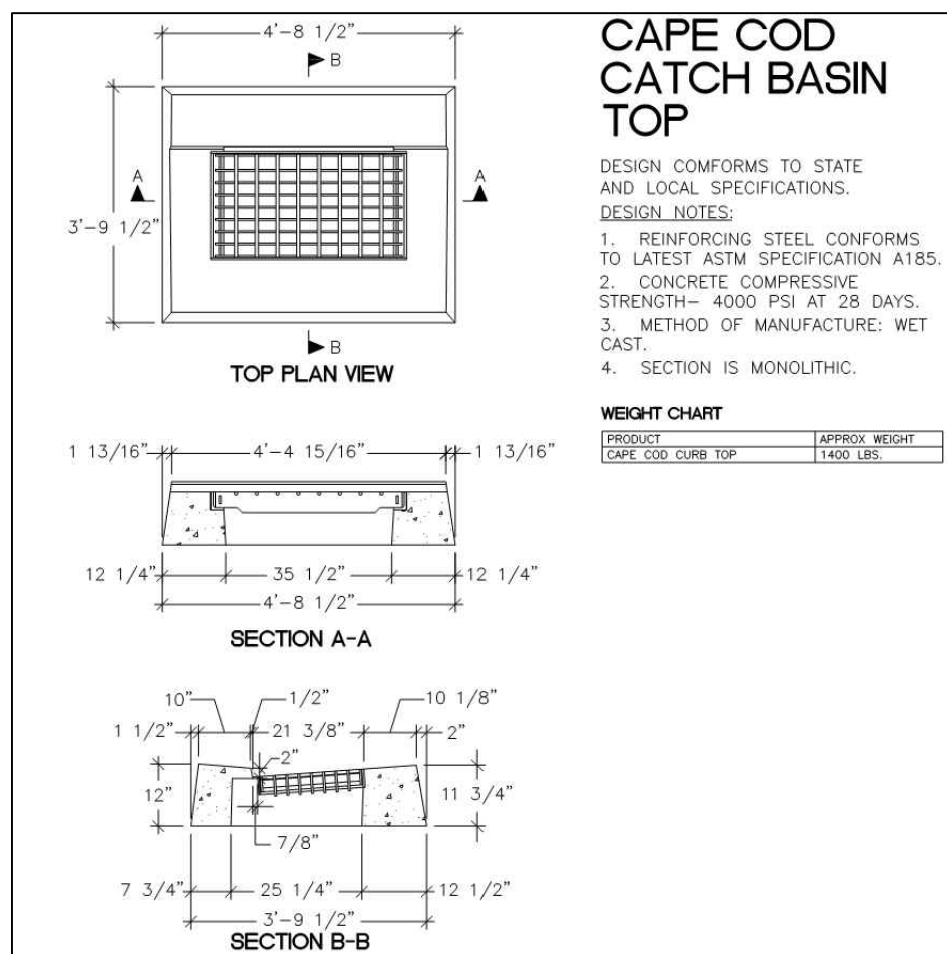
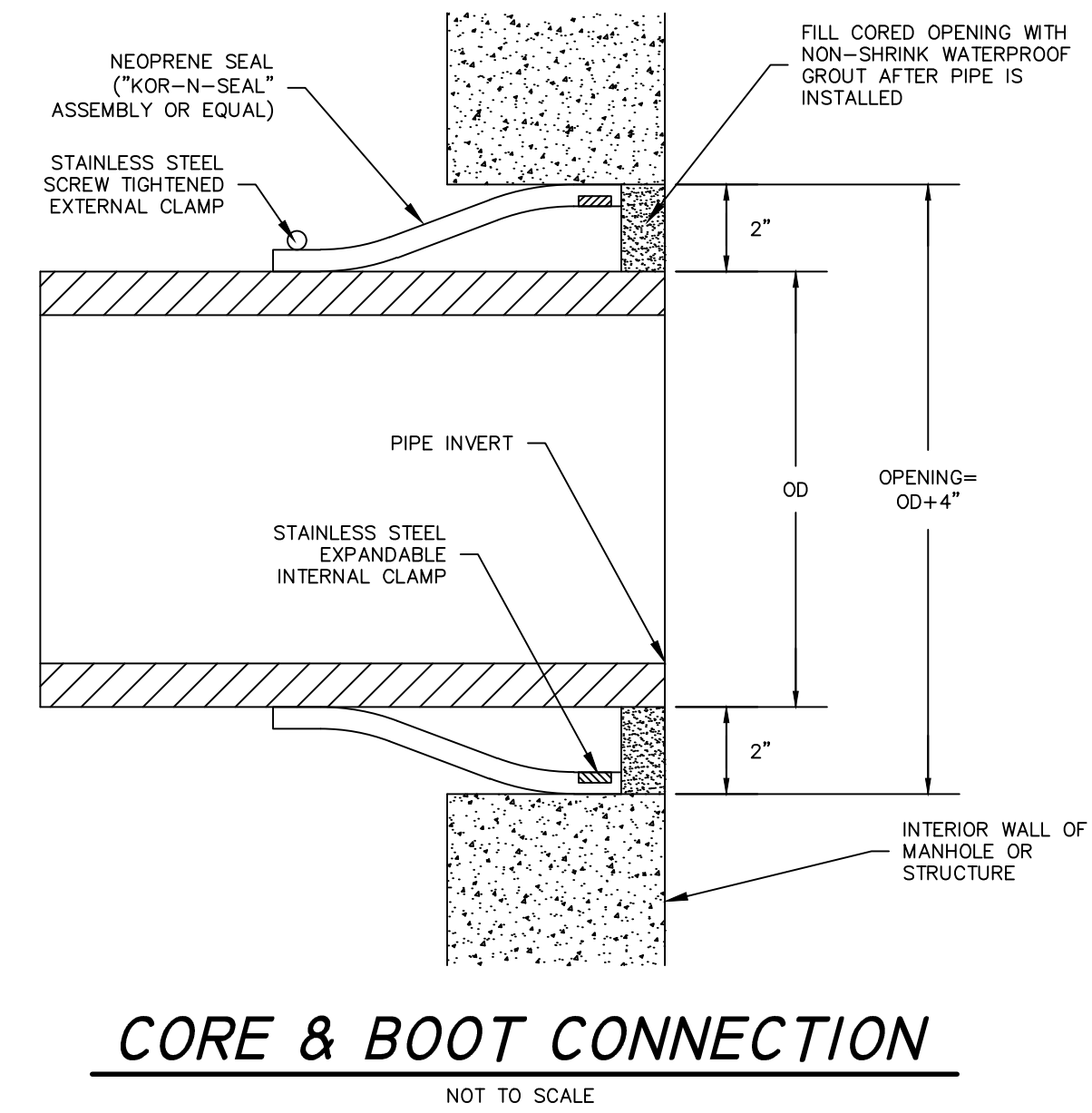
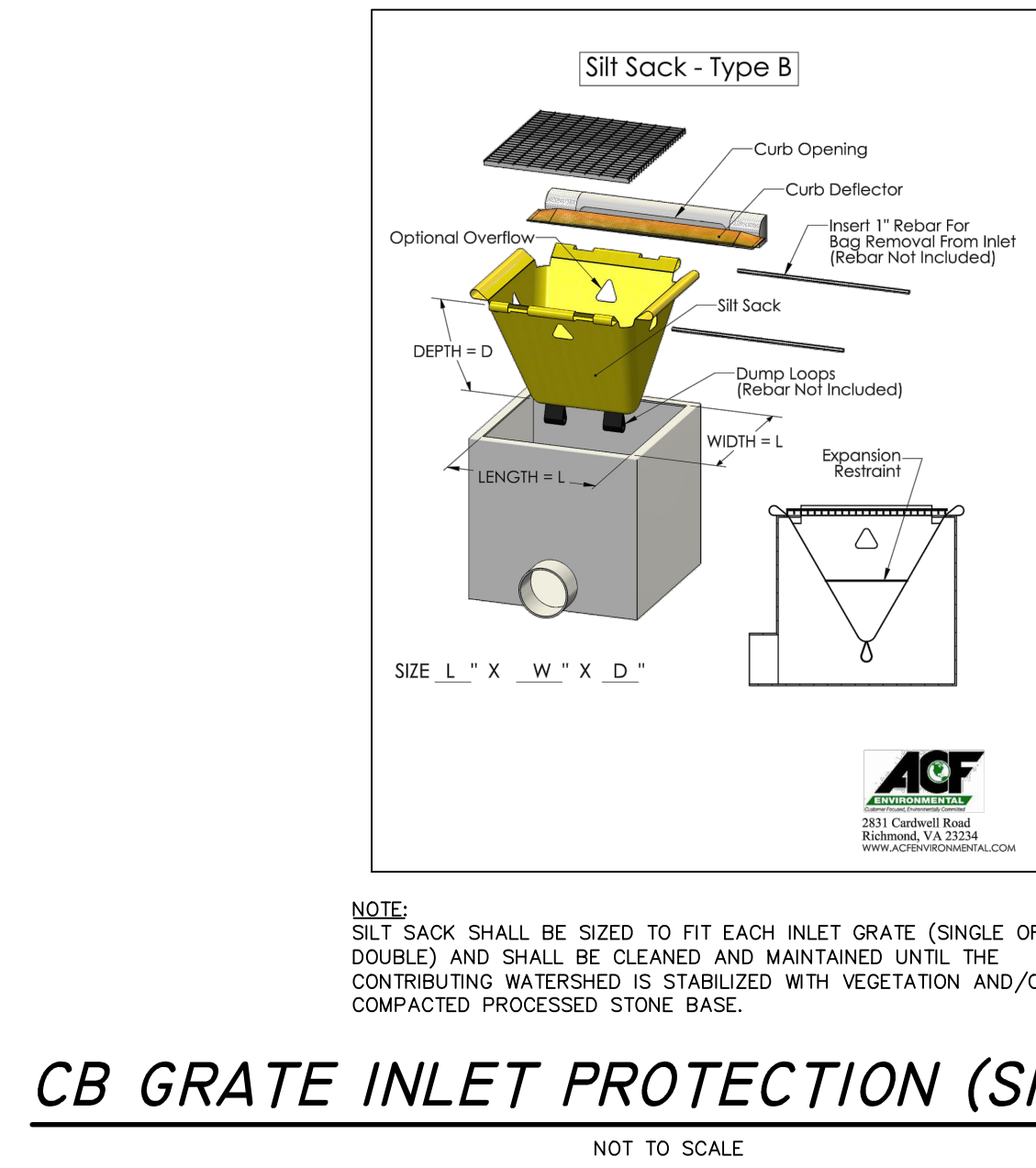
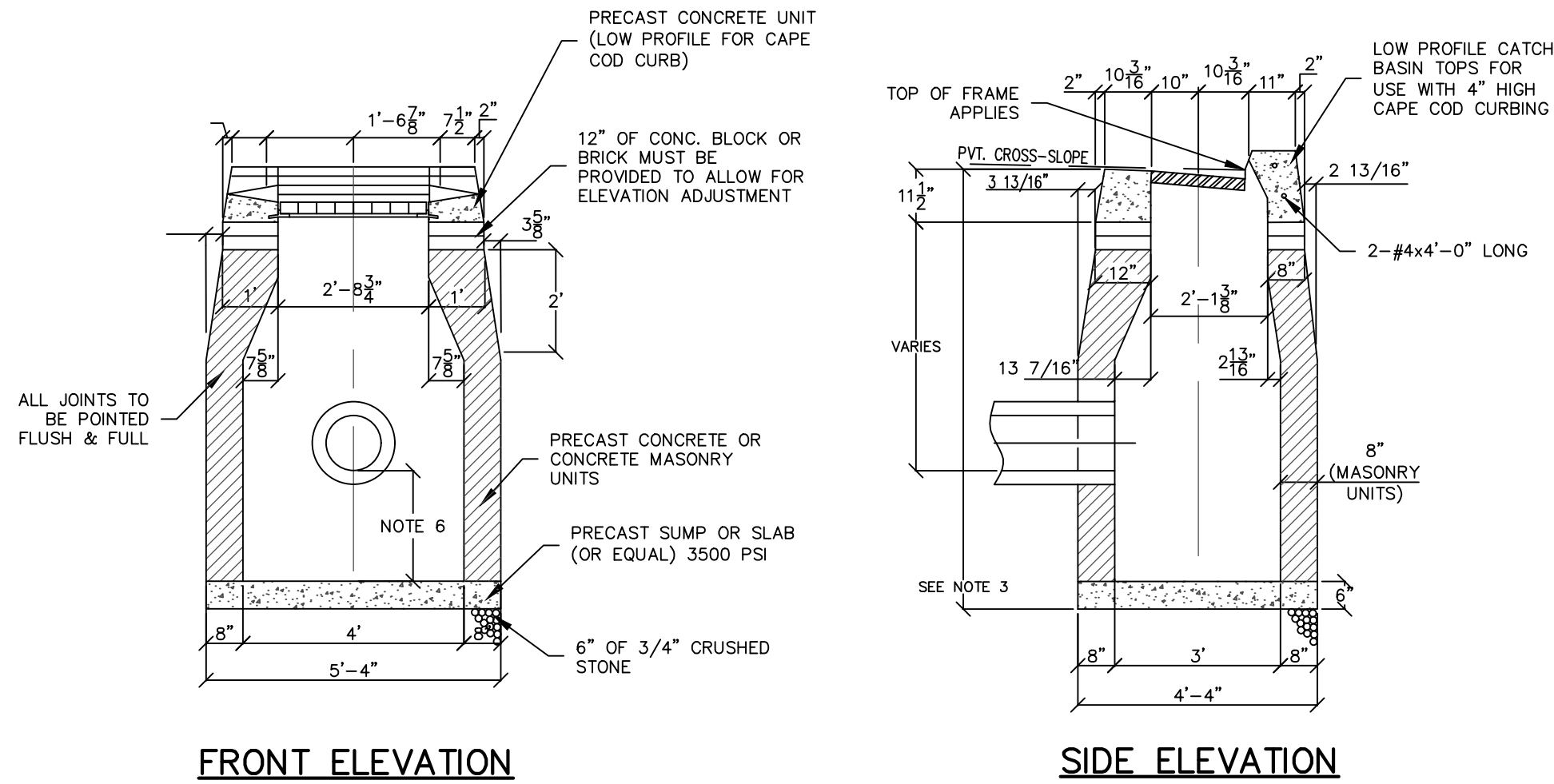
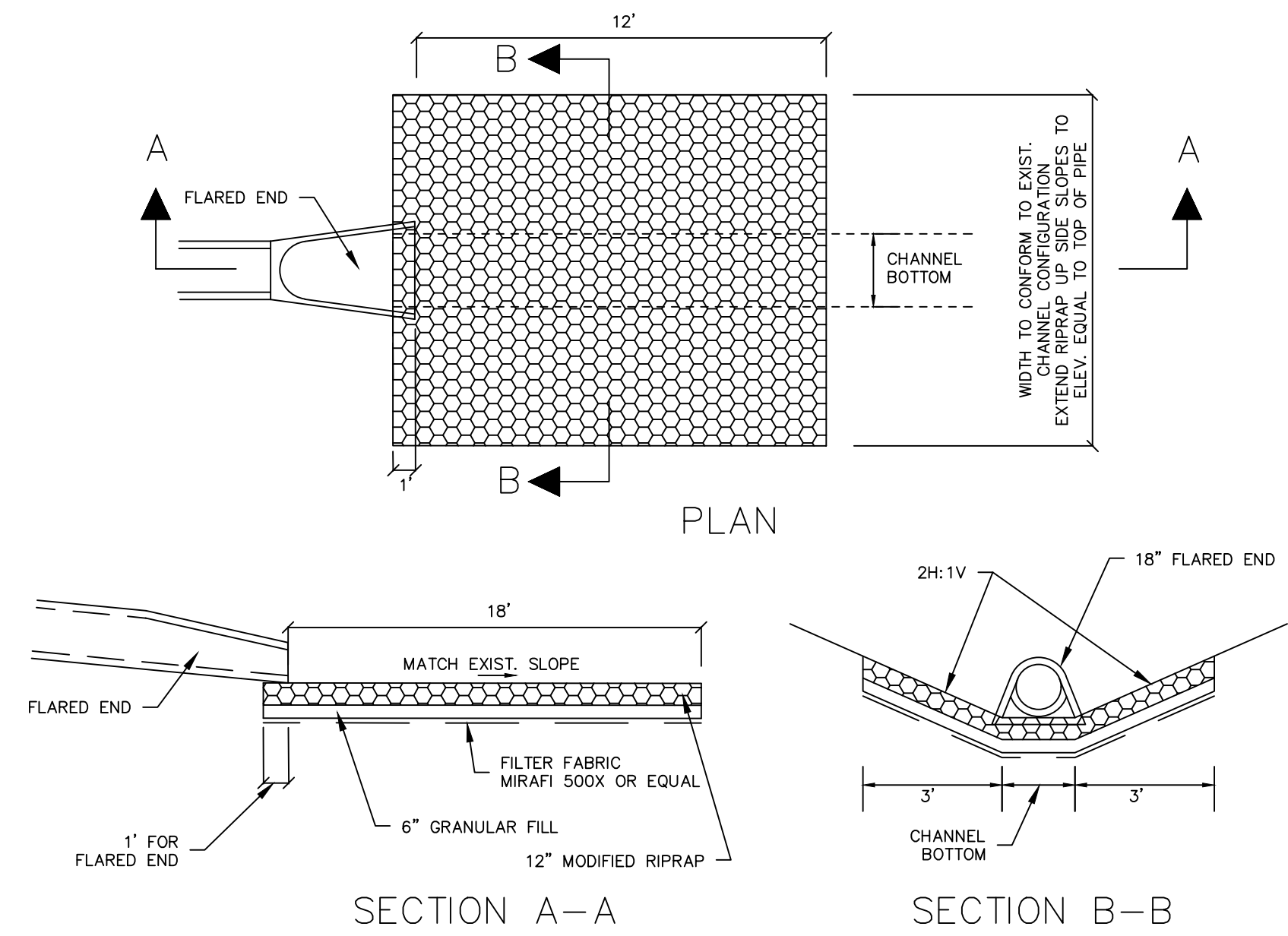
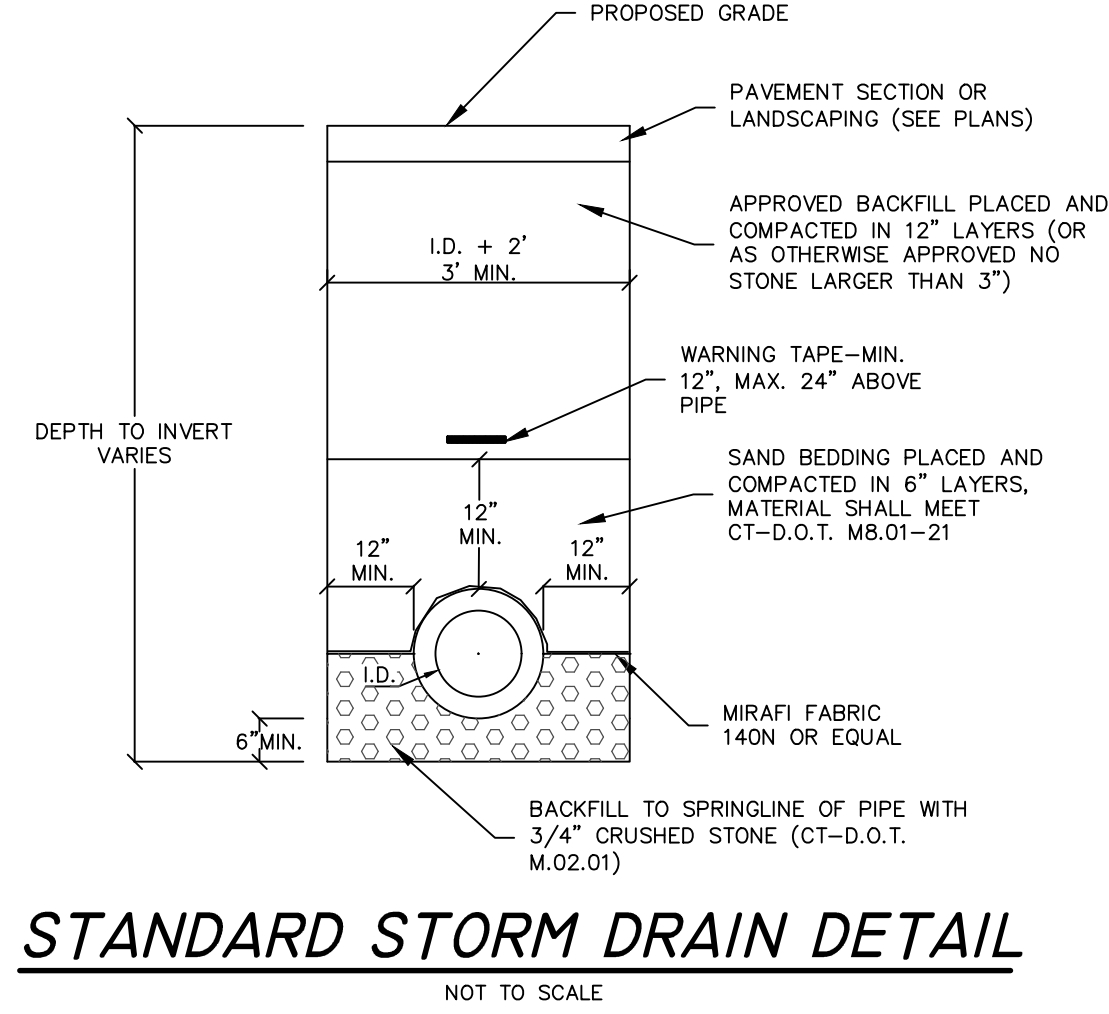
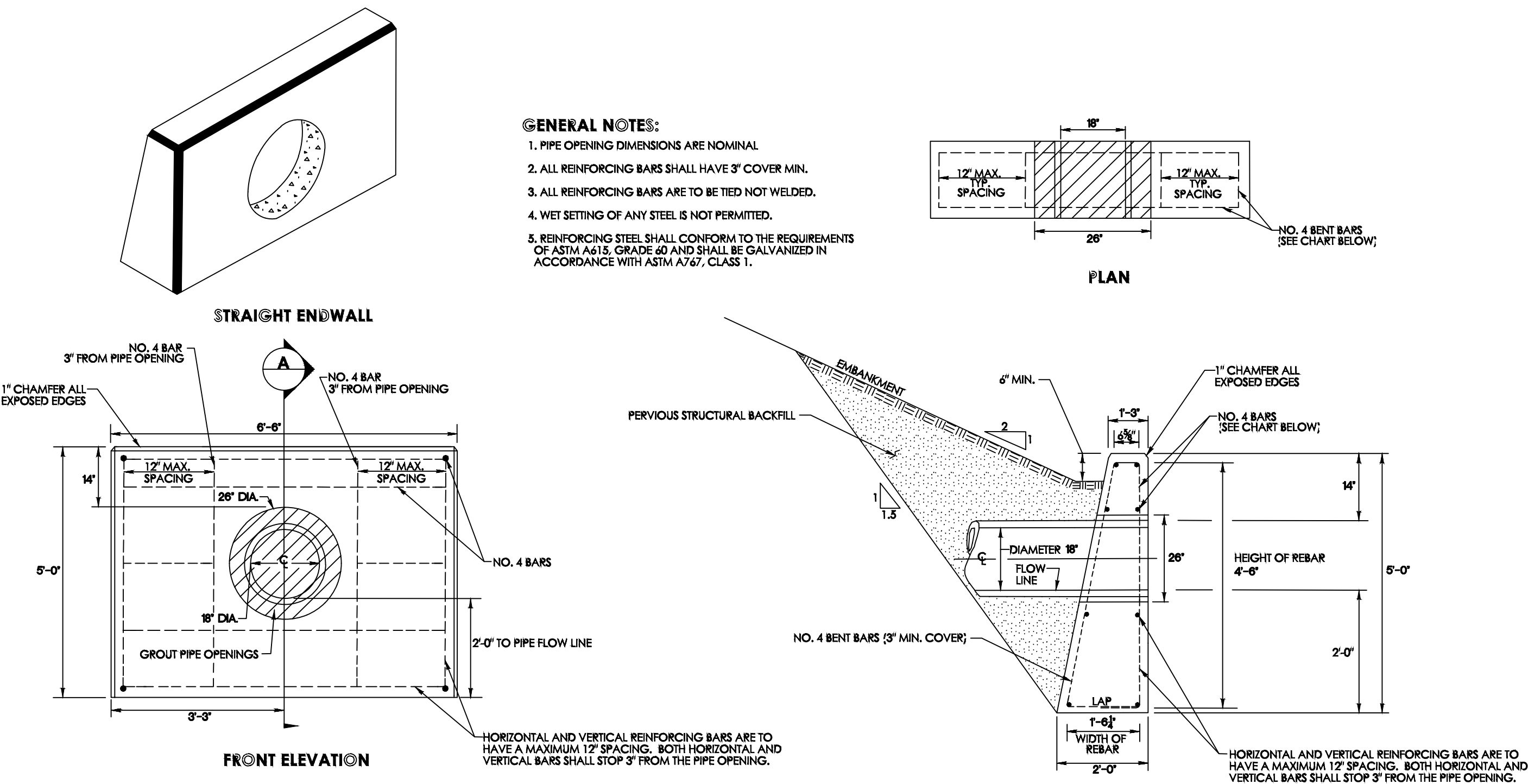
Windermere Avenue
Drainage, Sidewalk & Roadway Improvements
Prepared For
Ellington Department of Public Works
Windermere Avenue
Ellington, Connecticut

Details

DATE	X-XX-24
SCALE	1"=20'
JOB NUMBER	2021-803
SHEET	12 of 13

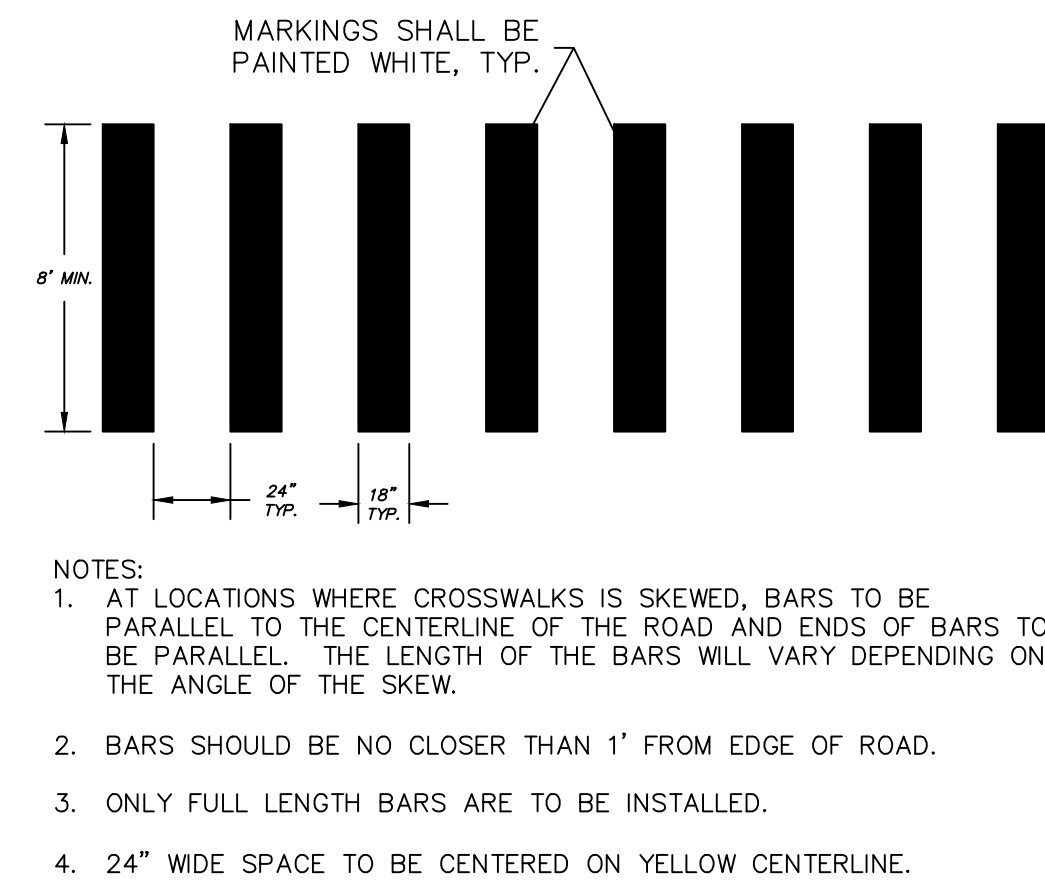
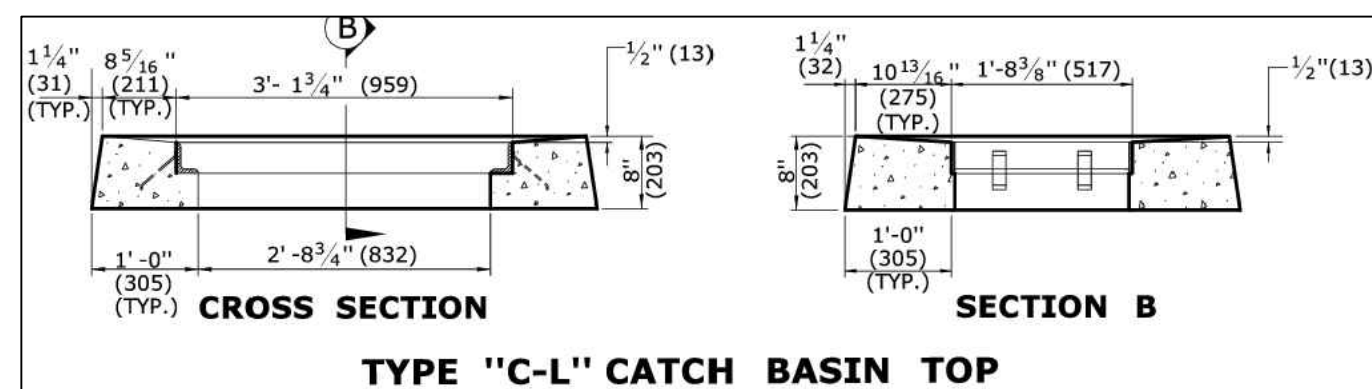
90% LOTCIP SUBMISSION 9-13-24

S:\Acad\2021 Civil 3D\2021-803 EL - Windermere Ave. Sidewalks\Russos Drawings\2021-803.dwg



GENERAL NOTE REGARDING DETAILS:

ALL MATERIALS SHALL CONFORM TO CT DOT FORM 819, LATEST EDITION, UNLESS OTHERWISE NOTED.



90% LOTCIP SUBMISSION 9-13-24

REVISIONS	
BY: CJC	CHK: TAC/JEU

Windermere Avenue
Drainage, Sidewalk & Roadway Improvements
Prepared For
Ellington Department of Public Works
Windermere Avenue
Ellington, Connecticut

Details

DATE	X-XX-24
SCALE	1"=20'
JOB NUMBER	2021-803
SHEET	13 of 13



1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
2. INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



1. WHEN ENCOUNTERED AT APPROXIMATELY THE SAME DEPTH, CROSS BENEATH.
2. PROTECT & SUPPORT EXPOSED EXISTING UTILITY.



1. TAPE COLORS:
COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
POWER - RED BACKGROUND / BLACK LEGEND



SIGN FACE DETAIL

1. 4" x 4" (100 x 100) NOMINAL, PRESSURE TREATED WOOD POST.
2. ATTACH SIGN TO POST WITH $\frac{1}{4}$ " x $1\frac{1}{4}$ " (6 x 31) STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE)
LEGEND - BLACK (OPAQUE).
4. INSTALL POST APPROX 24" (600) FROM RMC IN VICINITY OF EACH PULL BOX.
5. INSTALL POSTS BETWEEN PULL BOXES, APPROX 10' (3.0 m) OFF CURB.
SPACE POSTS 1500'[±] (460 m[±]) APART.
6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE TO TRENCH IN FEET (METERS) CONTAINING COMMUNICATION CABLE.
ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT.
INCLUDE "M" SUFFIX IF METERS.



1. TOTAL HOT MIX ASPHALT (HMA) THICKNESS TO MATCH EXISTING BITUMINOUS CONCRETE AND PORTLAND CEMENT CONCRETE (PCC) THICKNESS.
2. WHEN ALLOWED BY ENGINEER, USE CONTROLLED LOW STRENGTH MATERIAL (CLSM) AS BEDDING MATERIAL. TOP OF CLSM AT LEAST 20" (500) BELOW SURFACE.

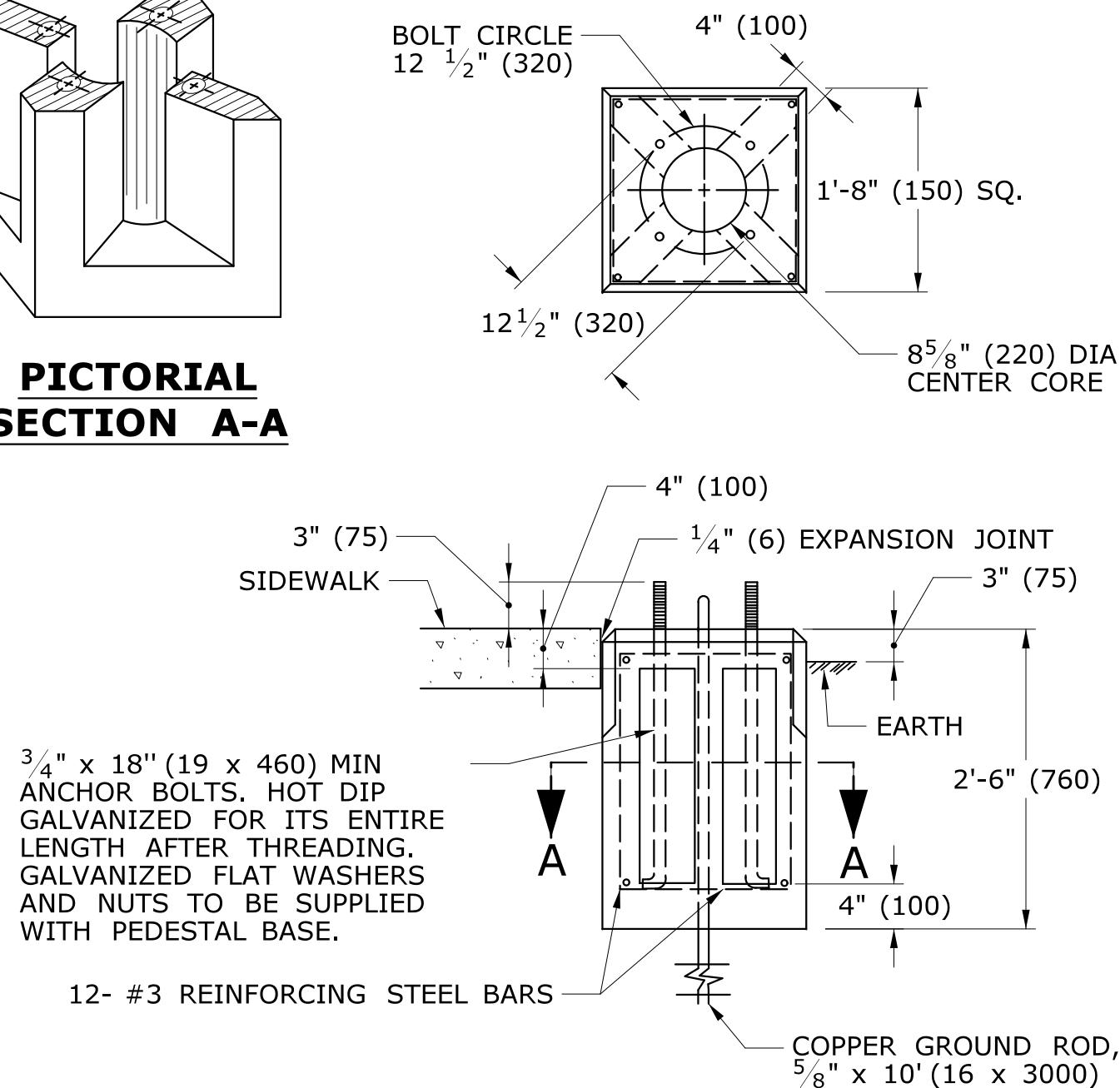


1. WHERE CONCRETE SIDEWALK DAMAGED OR CUT, REPLACE THE ENTIRE SECTION BETWEEN JOINTS. REPLACEMENT SIDEWALK IS PAID FOR AT THE CONTRACT UNIT PRICE FOR "CONCRETE SIDEWALK".



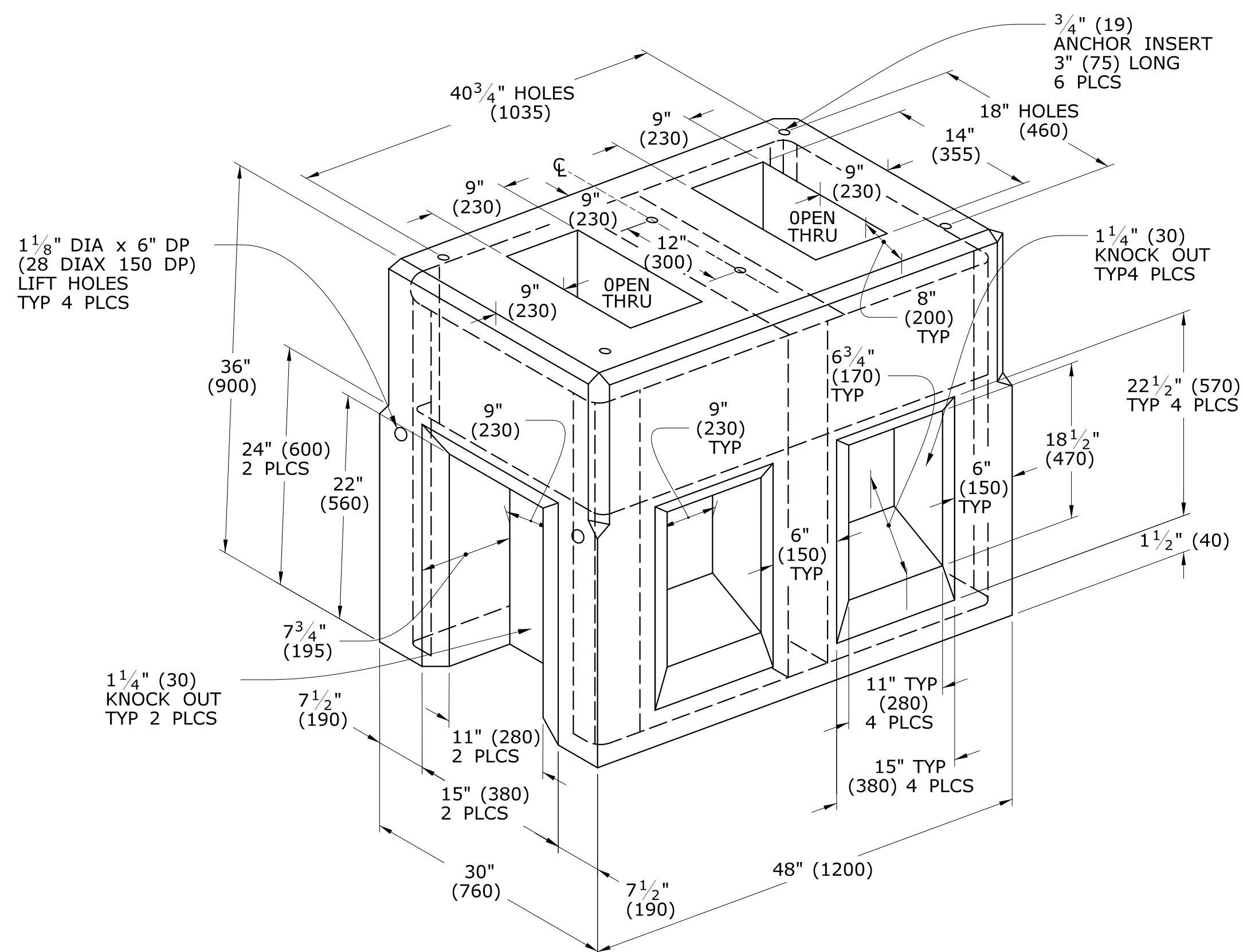
1. IN MOWED AREAS: PLACE TOPSOIL, FERTILIZER, SEED, & MULCH.

STANDARD SHEET TITLE:	STANDARD SHEET NO.:
TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	TR-1001_01

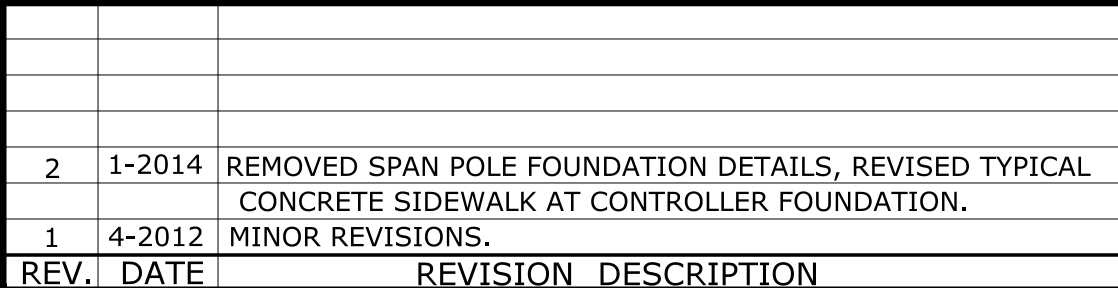


TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST

PLACE NO. 6 CRUSHED STONE IN CENTER OPENING AFTER
CONDUITS AND GROUND ROD HAVE BEEN INSTALLED.



TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - PRECAST

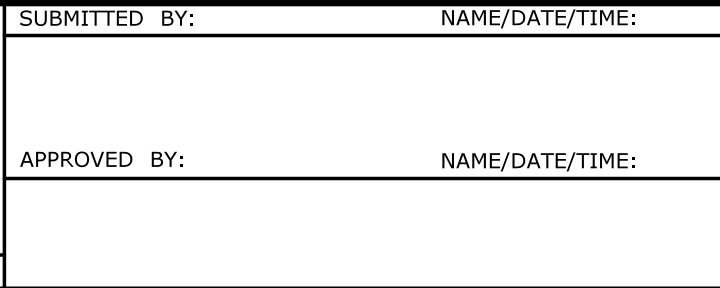


Plotted Date: 1/7/2014

NOT TO SCALE



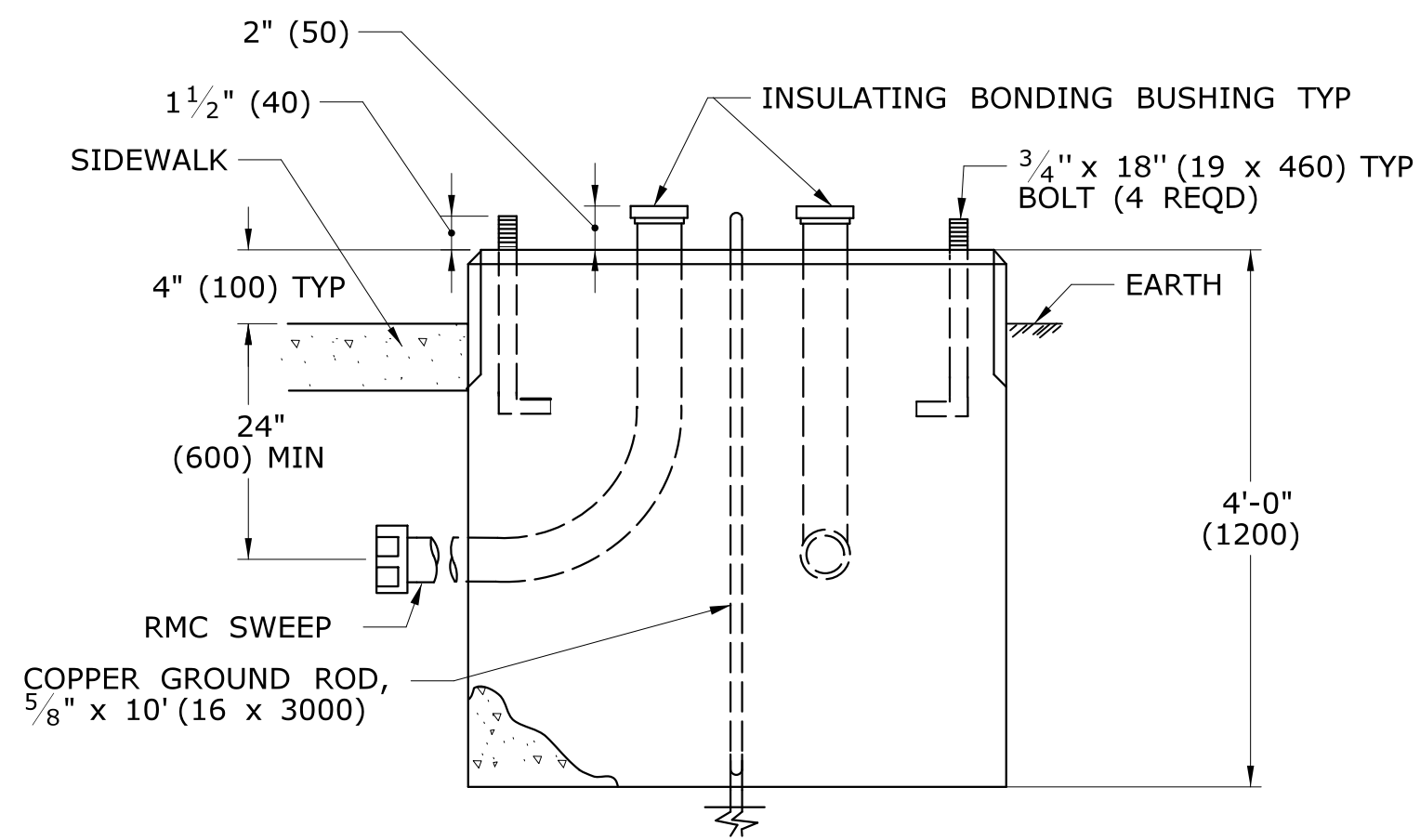
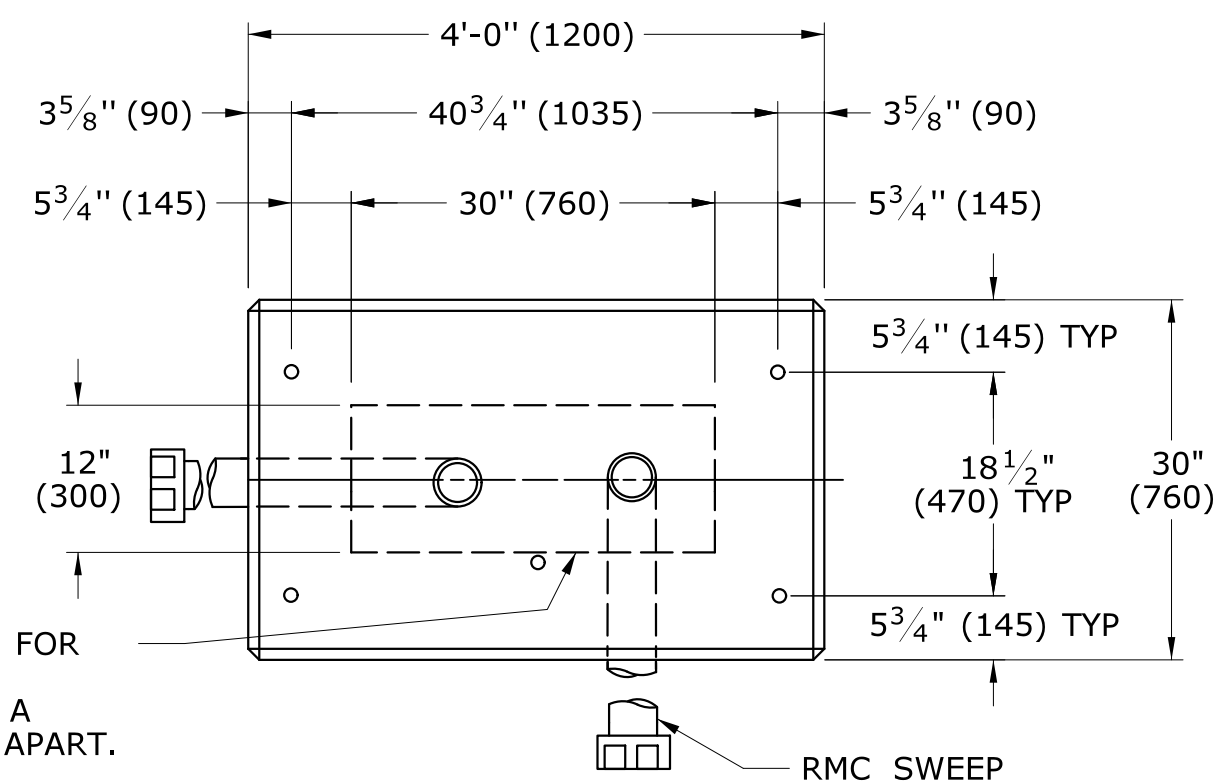
Model: TR-1002-01



INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET
DOOR SIDE OF CONTROLLER FOUNDATION.

PITCH SIDEWALK $\frac{1}{4}$ " PER FOOT (20 PER METER) AWAY FROM THE
CONTROLLER FOUNDATION.

REFER TO HIGHWAY STANDARD SHEET HW-921-01 FOR SIDEWALK CONSTRUCTION.



TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - CAST IN PLACE

INSTALL FOUNDATION ON 6" (150) OF COMPACTED GRAVEL IN ACCORDANCE WITH SECTION 2.14.
LEVEL FOUNDATION WITH A PROJECTION OF 4" (100) ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: $\frac{5}{8}$ " x 10 (16 x 3000).
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD
HAVE BEEN INSTALLED. THE OPENINGS SHALL BE CAPPED WITH A 2" (50) GROUT LEVEL WITH THE
TOP OF THE FOUNDATION AND NEATLY FINISHED. THE GROUT SHALL CONFORM WITH THE
REQUIREMENTS OF ARTICLE M.3.01-12.
CONCRETE: CLASS "A" CONFORMING TO ARTICLE M.03.01.
#4 REBAR 2" (50) MIN COVER AROUND ALL OPENINGS, 3-#4 REBARS IN EACH CORNER.
CONDUITS SHALL NOT PROJECT MORE THAN 2" (50) ABOVE FOUNDATION.

TRAFFIC CONTROL FOUNDATIONS

TR-1002_01

1. GROUNDING TAB WELDED TO BOTTOM CENTER OF COVER WITH $\frac{3}{16}$ " (5) WELD (3 SIDES).
2. ATTACH 6' (2 m) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH CONDUCTOR CONNECTOR, $\frac{1}{4}$ " - 20 X $\frac{3}{4}$ " (M6 X 20) LG SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.
3. CONDUCTOR CONNECTOR: COPPER ALLOY BODY, BRASS SCREW, BRASS OR COPPER ALLOY PRESSURE PLATE.
4. COVER SCREW INSERT: $\frac{3}{8}$ "-16 (9-16), $1\frac{1}{2}$ " L (37L), STAINLESS STEEL.
5. COVER SCREW: $\frac{3}{8}$ "-16 (9-16), 1"L (25L), FLAT HEAD, SLOTTED, STAINLESS STEEL.



1. MINIMUM CLASS "C" CONCRETE.
2. COMPLETE TYPE II HANDHOLE:
IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) HANDHOLE EXTENSION,
IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) CAST IRON COVER.
3. PLAN VIEW DIMENSIONS, SECTION VIEW, & DETAILS, SAME FOR BASE SECTION,
EXTENSIONS & BANK ADAPTER.
4. GROUT AROUND ALL CONDUITS.



TYP IN TWO PLACES FOR
ALL HANDHOLES

2	4-2014	REVISED HANDHOLES NOTES, ADDED NOTE #6. ADDED "J" HOOK TO INSERT DETAIL.
1	4-2012	CAST IRON COVER: CHANGED BOLT TO PICK HOLE. ADDED EXTENSIONS, C-CHANNEL, CONDUCTOR CONNECTOR & MINOR REVISIONS.
REV.	DATE	REVISION DESCRIPTION

Plotted Date: 4/11/2014

NOT TO SCALE



Model: TR-1010_01

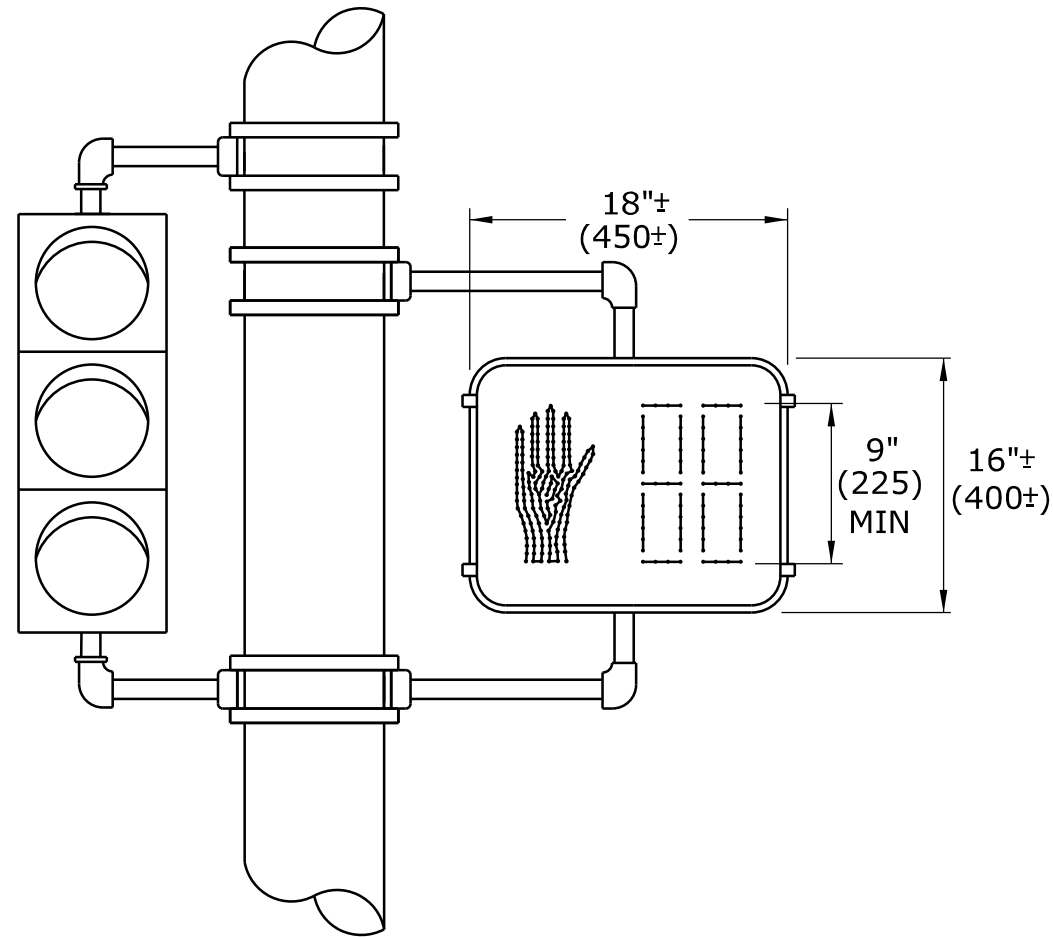
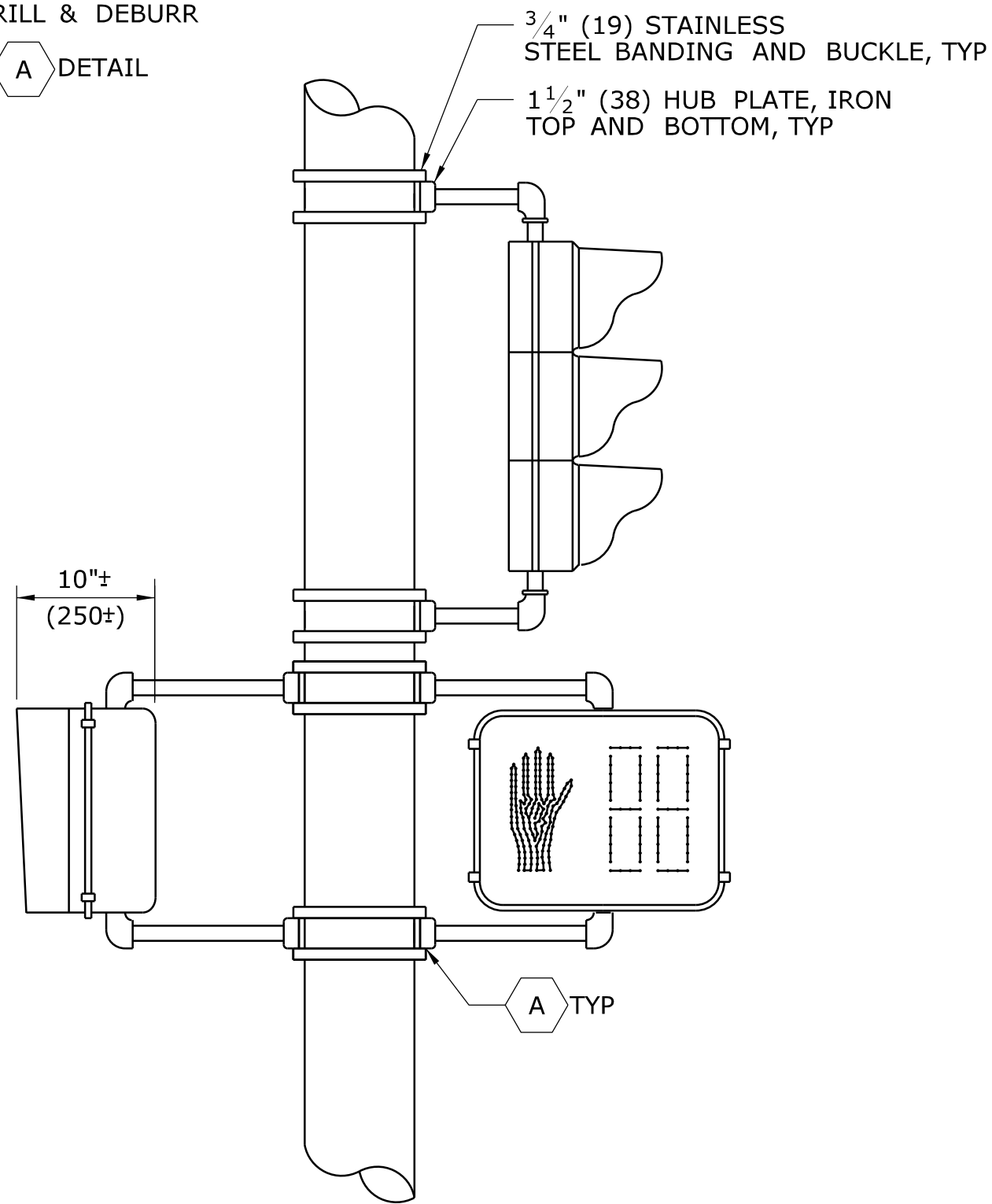
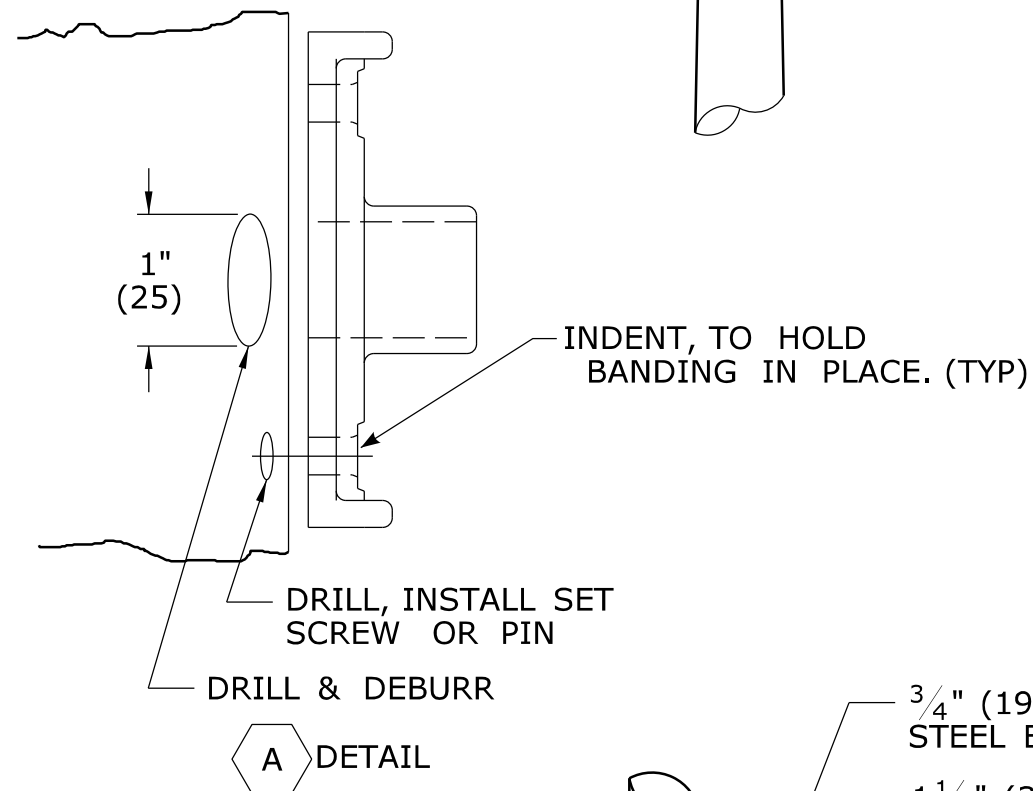
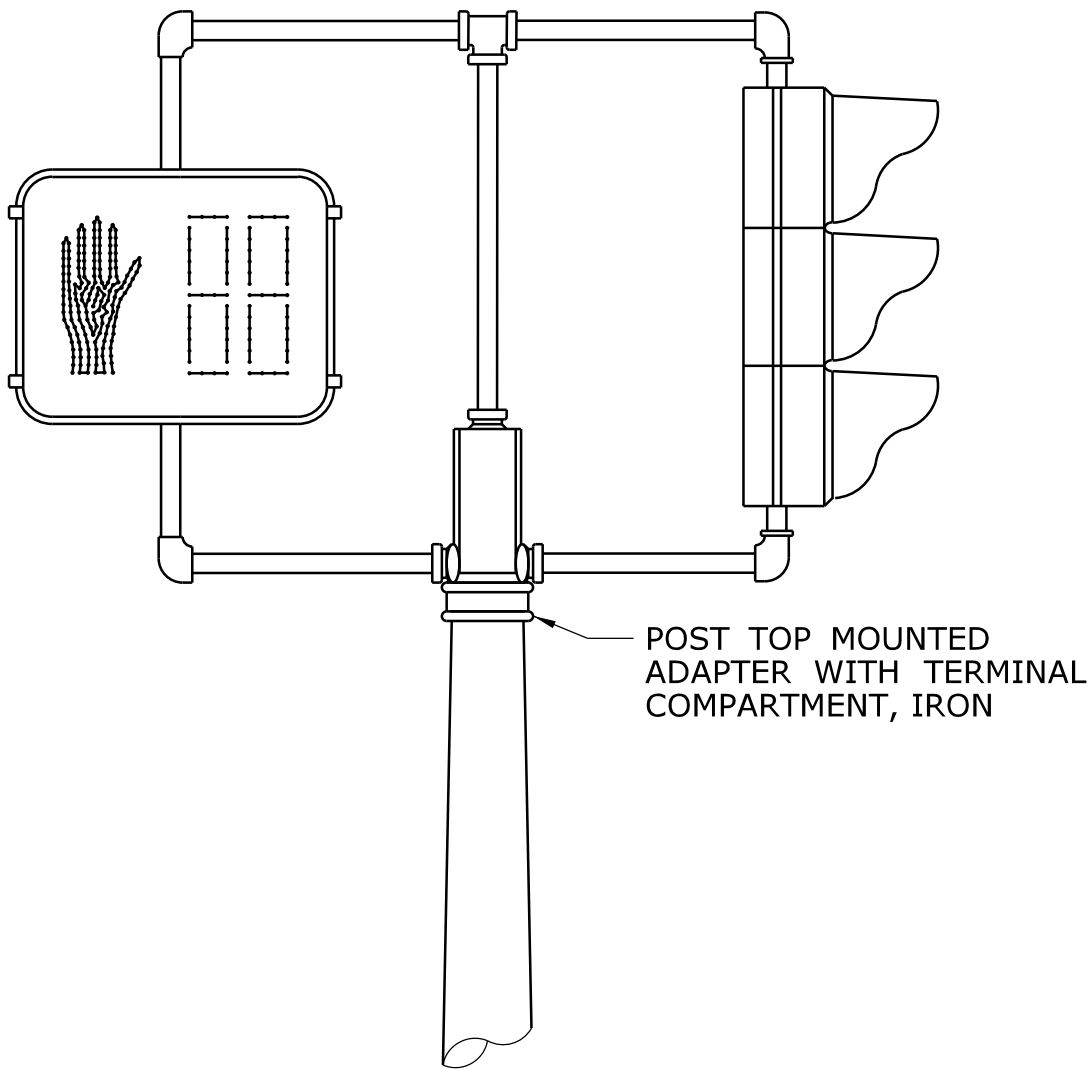
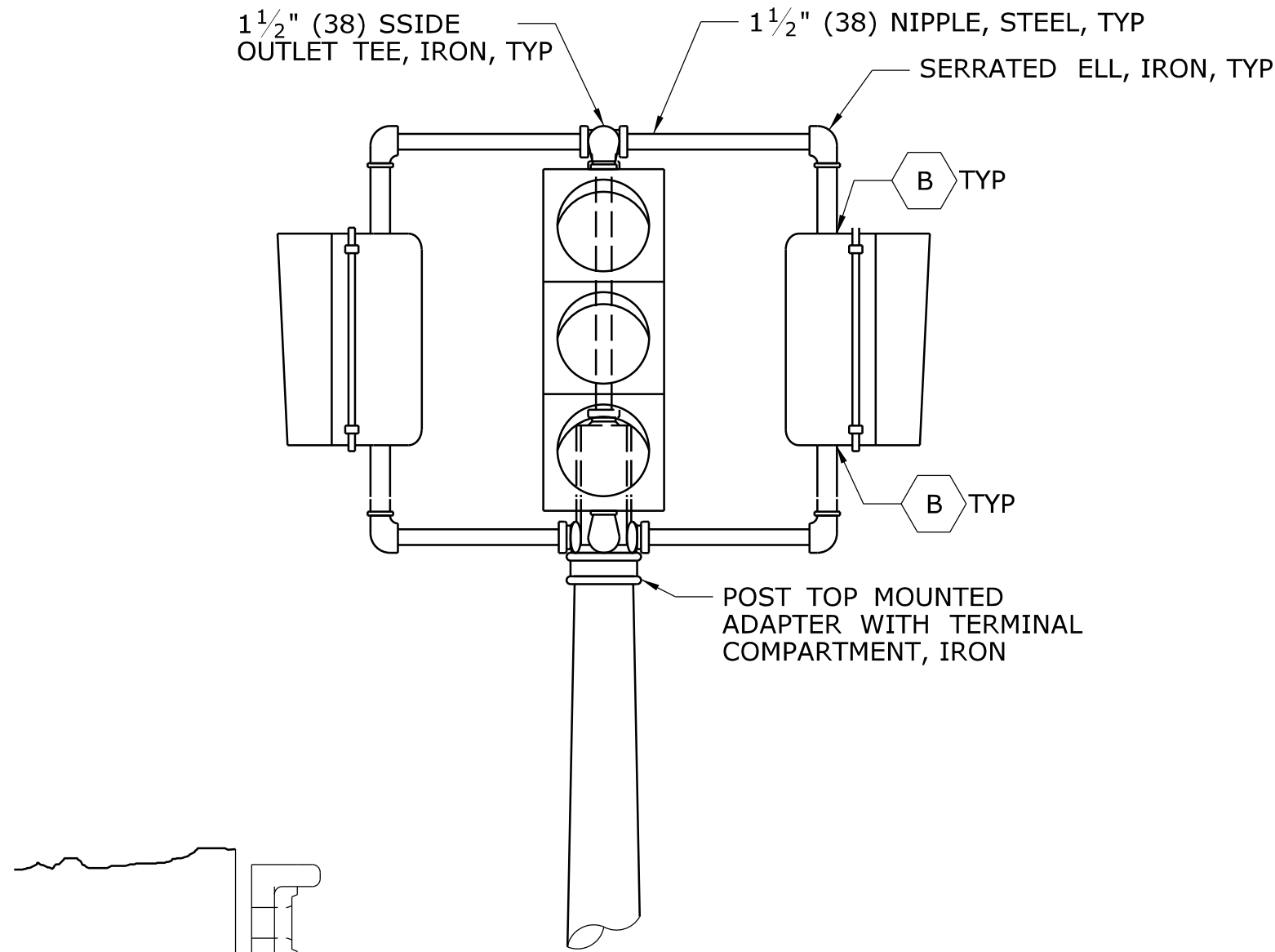
APPROVED BY: _____ NAME/DATE/TIME _____

**CTDOT
STANDARD SHEET**

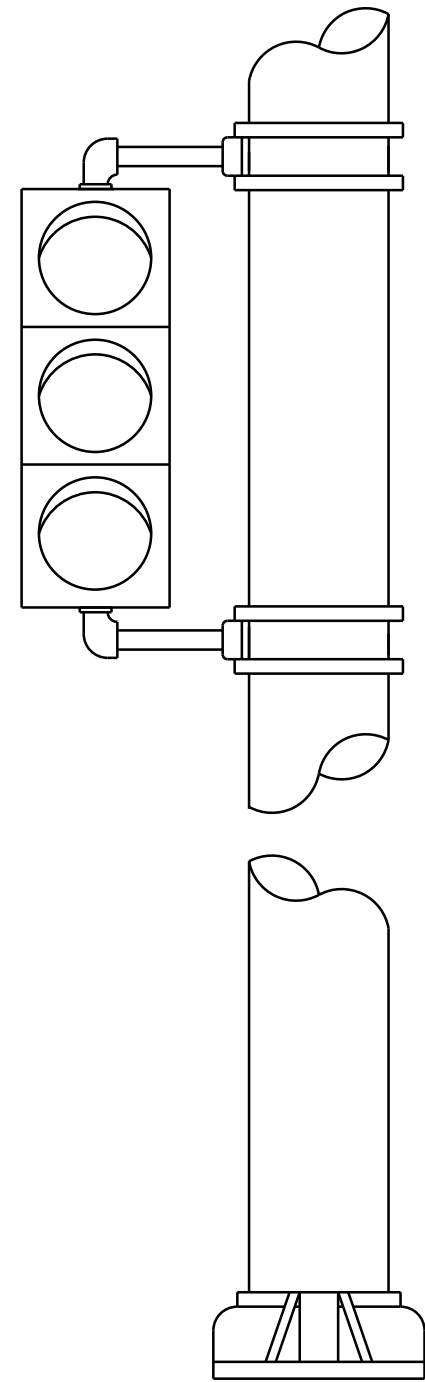
OFFICE OF ENGINEERING

CONCRETE HANDHOLE

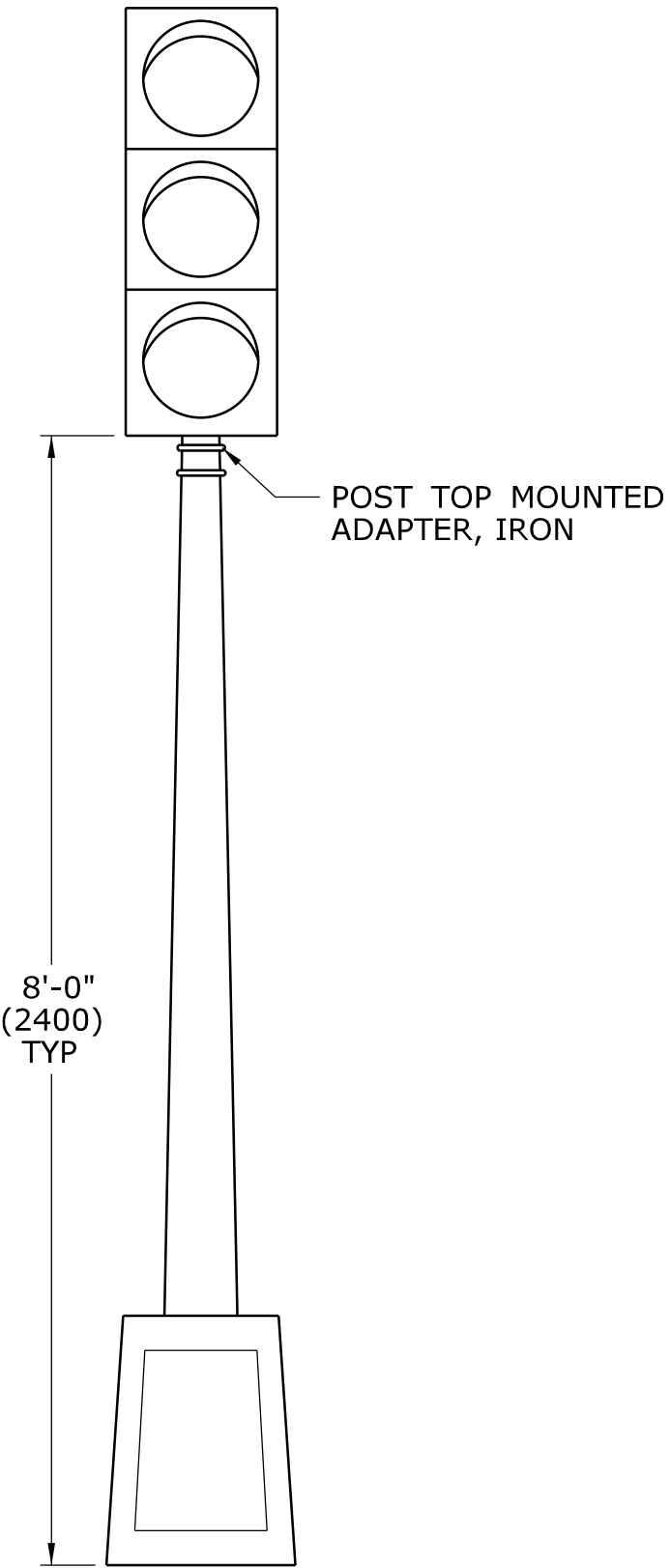
TR-1010_01



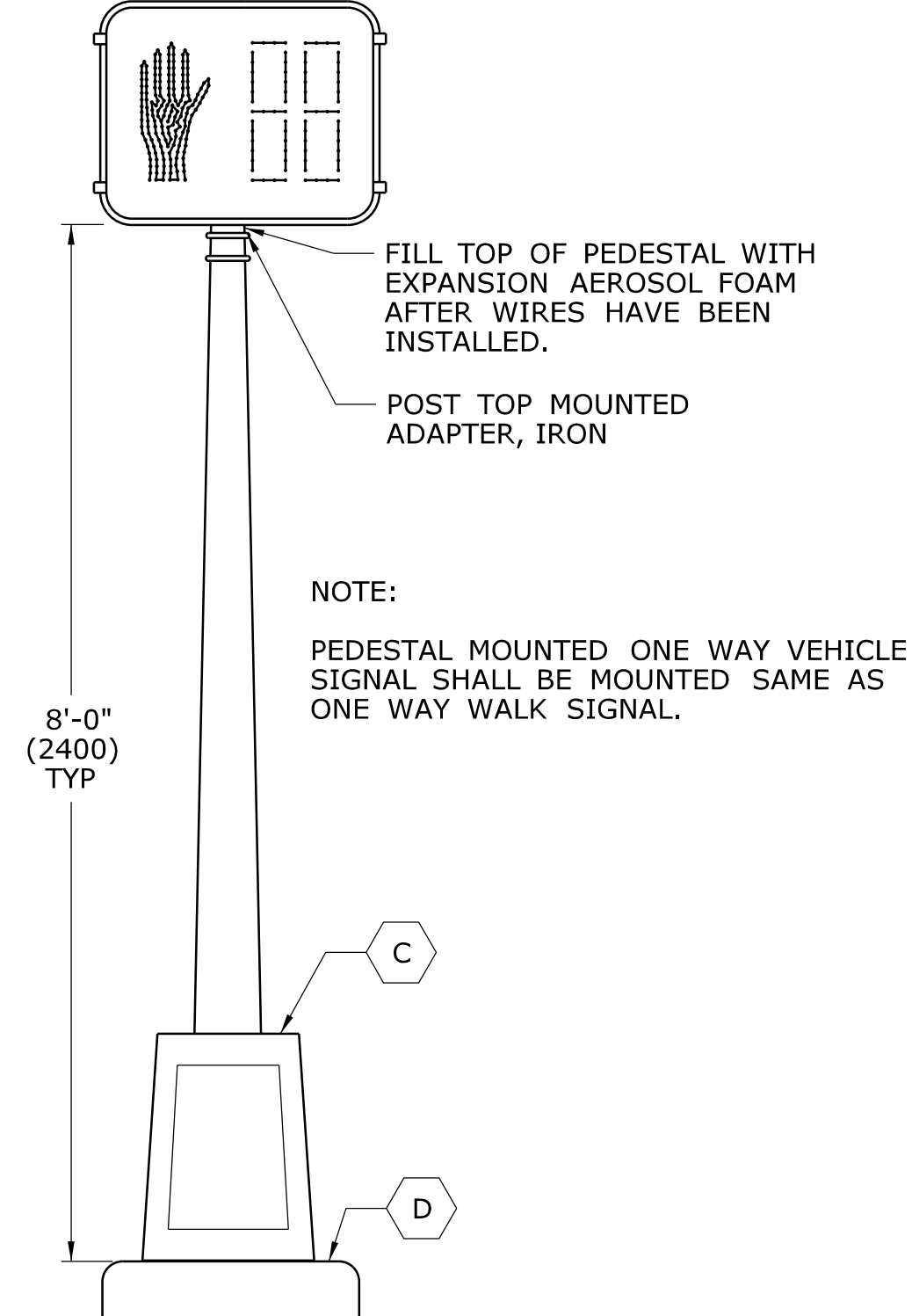
ONE WAY TRAFFIC SIGNAL
PEDESTAL MOUNTED



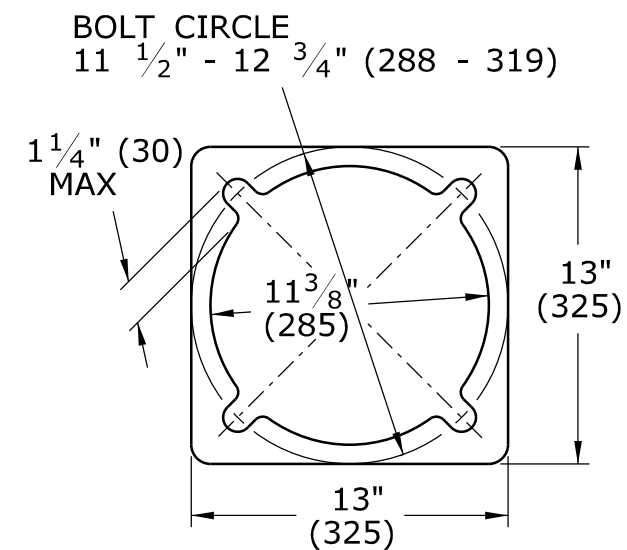
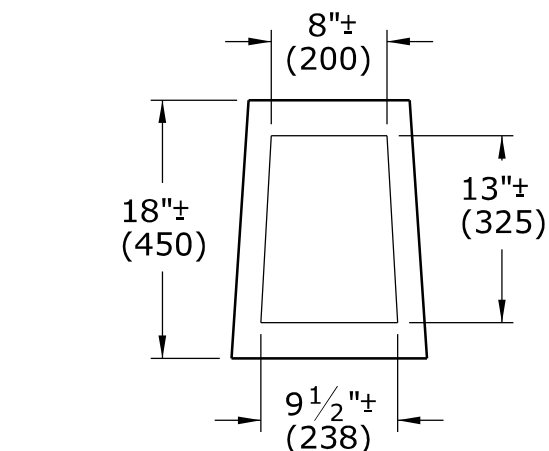
ONE WAY TRAFFIC SIGNAL
POLE MOUNTED



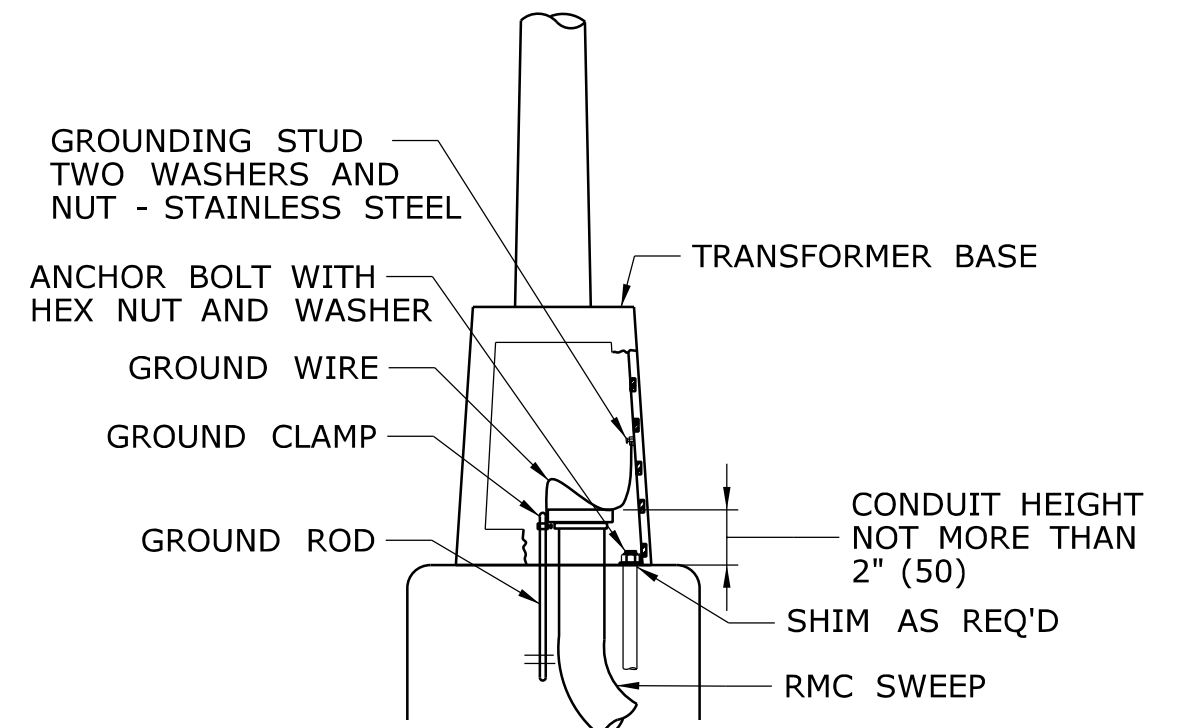
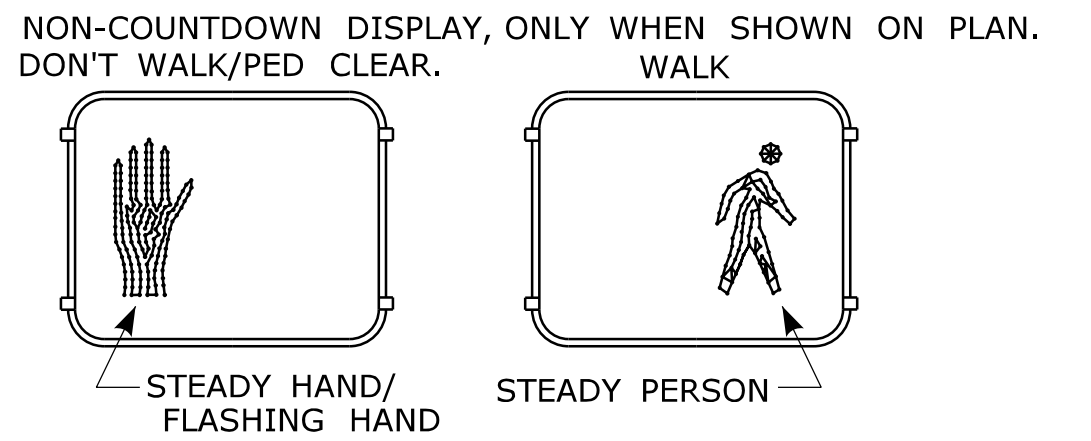
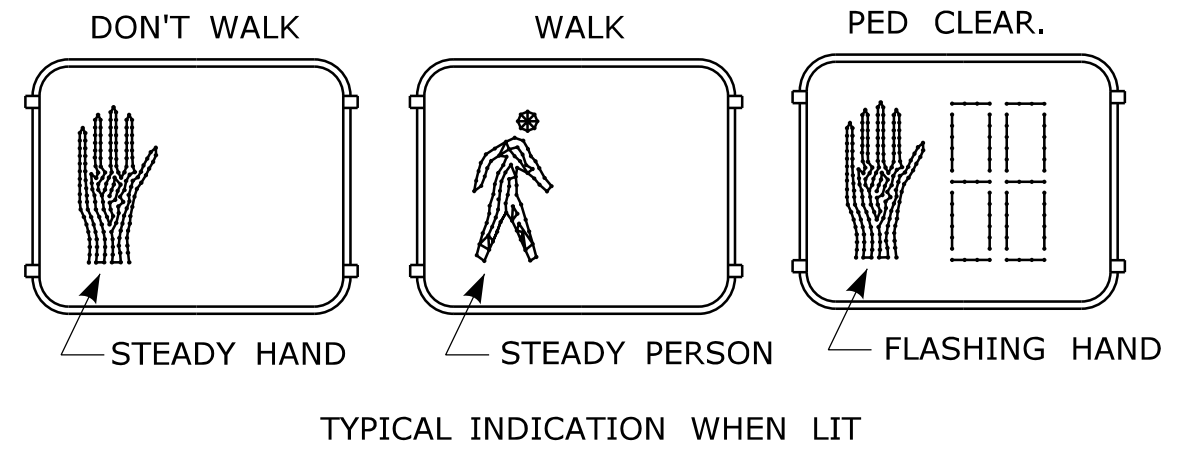
ONE WAY WALK SIGNAL
PEDESTAL MOUNTED



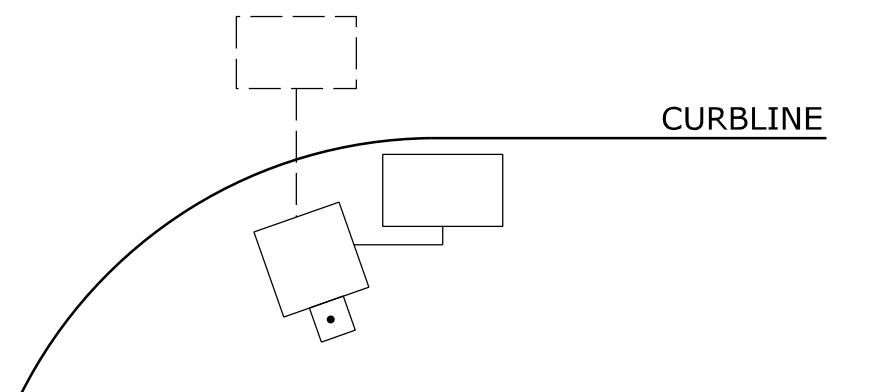
ALUMINUM PEDESTAL
DOOR OPENING DETAIL



PEDESTAL BASE PLAN



ALUMINUM PEDESTAL
INSTALLATION DETAIL









WHEN PEDESTALS OR SPAN POLES ARE INSTALLED CLOSE TO THE CURB, SIDE MOUNT PEDESTRIAN OR TRAFFIC SIGNALS TO AVOID VISOR DAMAGE FROM TURNING VEHICLES.

NOTES:

- A SECURE LOWER HUB PLATE WITH STAINLESS STEEL SET SCREW OR PIN PRIOR TO BANDING TO PREVENT MOVEMENT. INSTALL CABLE THROUGH BOTTOM OF HUB PLATE.
- B REFER TO CTDOT TRAFFIC STANDARD SHEET, TR-1105-01, TRAFFIC SIGNALS & CABLE ASSIGNMENTS.
- C IF THREADED, MIN 1" (25) THREADED INTO BASE, SECURED WITH STAINLESS STEEL SET SCREWS.
- D BASE DESIGNED AS BREAK-AWAY.

INCANDESCENT WALK SIGNAL LAMPS ARE 67 WATTS, RATED AT 8000 HOURS LAMP LIFE. LED WALK SIGNAL LAMPS ARE MAXIMUM 15 WATTS, WARRANTED AT 5 YEAR LIFE.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:	
	STEEL SPAN POLE, MAST ARM ASSEMBLY SHAFT
	ALUMINUM PEDESTAL
	TRAFFIC SIGNAL
	PEDESTRIAN SIGNAL
	PEDESTAL MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS
	POLE MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS

REV.	DATE	REVISION DESCRIPTION
2	4-2012	MINOR REVISIONS.
1	1-2010	INCLUDED COUNTDOWN PEDESTRIAN SIGNALS.

Plotted Date: 4/14/2012

DIMENSIONS ARE IN ENGLISH ("') & METRIC UNITS (mm). METRIC DIMENSIONS ARE ROUNDED: - OVER 1" TO NEAREST 5 mm - UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.dgn

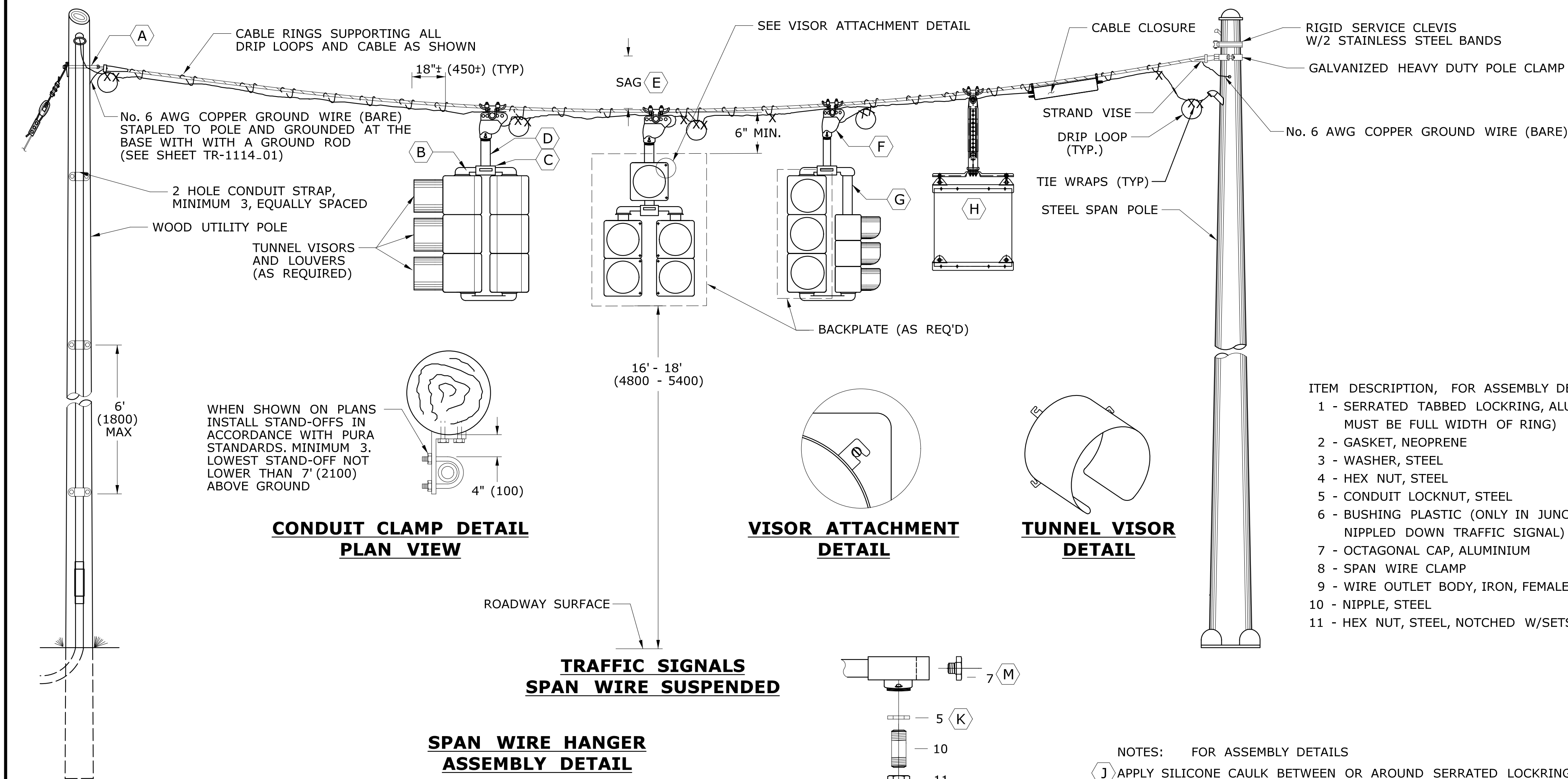
Model: TR-1102_01

SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
PEDESTALS, PEDESTRIAN SIGNALS

STANDARD SHEET NO.:
TR-1102_01



WHEN SHOWN ON PLANS
INSTALL STAND-OFFS IN
ACCORDANCE WITH PURA
STANDARDS. MINIMUM 3.
LOWEST STAND-OFF NOT
LOWER THAN 7' (2100)
ABOVE GROUND

CONDUIT CLAMP DETAIL PLAN VIEW

VISOR ATTACHMENT DETAIL

TUNNEL VISOR DETAIL

TRAFFIC SIGNALS SPAN WIRE SUSPENDED

SPAN WIRE HANGER ASSEMBLY DETAIL

TWO WAY, THREE WAY & FOUR WAY NIPPLE DOWN ASSEMBLY DETAIL

UPPER CENTER SUPPORT DETAIL

DIRECT ASSEMBLY DETAIL

3 BOLT BRACKET ASSEMBLY

- ITEM DESCRIPTION, FOR ASSEMBLY DETAILS
- 1 - SERRATED TABBED LOCKRING, ALUMINUM (TAB MUST BE FULL WIDTH OF RING)
 - 2 - GASKET, NEOPRENE
 - 3 - WASHER, STEEL
 - 4 - HEX NUT, STEEL
 - 5 - CONDUIT LOCKNUT, STEEL
 - 6 - BUSHING PLASTIC (ONLY IN JUNCTION BOX OR NIPPLED DOWN TRAFFIC SIGNAL)
 - 7 - OCTAGONAL CAP, ALUMINIUM
 - 8 - SPAN WIRE CLAMP
 - 9 - WIRE OUTLET BODY, IRON, FEMALE ONLY
 - 10 - NIPPLE, STEEL
 - 11 - HEX NUT, STEEL, NOTCHED W/SETSCREWS

NOTES: FOR ASSEMBLY DETAILS

- J APPLY SILICONE CAULK BETWEEN OR AROUND SERRATED LOCKRING AND HOUSING.
- K OPTIONAL USE IF NIPPLE THREADS TOO FAR INTO ELBOW.
- L DRILL HOLE IN CENTER OF 2 WAY BOTTOM BRACKET - INSTALL 3 BOLT BRACKET (SEE DETAIL).
- M DO NOT INSERT ORNAMENTAL CAP PAST DOTTED LINE.
- N ALL THREAD.
- P SETSCREW (SQUARE OR ALLEN) ON ALL FITTINGS.
- R CHASE NIPPLE CAN BE SUBSTITUTED FOR THE COMBINATION OF ITEMS 6, 5 AND 10.
- S INSTALL STAINLESS STEEL WASHER ON INSIDE OF COTTER PIN. COTTER PIN AND WASHER SHALL BE ON SIDE OF HANGER AWAY FROM SIGNAL CABLES.
- T CHASE NIPPLE CAN BE SUBSTITUTED FOR COMBINATION 4, 5, 10 AND 11.
- U CENTER HUB SAME AS C EXCEPT TOP OPENING MAY BE THREADED.
- V DOOR HINGE ON OUTSIDE OF SIDE BY SIDE ASSEMBLY.

TRAFFIC SIGNAL CABLE COLOR ASSIGNMENTS					
SIGNAL ASSEMBLY & CABLE USED	SIGNAL FUNCTION	ARTERY 1	ARTERY 2	SIDE STREET 1	SIDE STREET 2
2 - WAY 9 CONDUCTOR	RED	RED		BLACK	
	YELLOW	ORANGE		WHITE \ BLACK	
	GREEN	GREEN		BLUE	
	SPARE	GREEN\BLACK		RED \ BLACK	
	NEUTRAL	WHITE			
3 - WAY 12 CONDUCTOR	RED	RED	RED \ BLACK	BLACK	
	YELLOW	ORANGE	ORANGE \ BLACK	WHITE \ BLACK	
	GREEN	GREEN	GREEN \ BLACK	BLUE	
	SPARE	BLUE\BLACK	BLACK \ WHITE		
	NEUTRAL	WHITE			
4 - WAY 15 CONDUCTOR	RED	RED	RED \ BLACK	BLACK	RED \ WHITE
	YELLOW	ORANGE	ORANGE \ BLACK	WHITE \ BLACK	BLACK \ WHITE
	GREEN	GREEN	GREEN \ BLACK	BLUE	GREEN \ WHITE
	SPARE	BLUE\BLACK		BLUE \ WHITE	
	NEUTRAL	WHITE			

PEDESTRIAN SIGNAL CABLE COLOR ASSIGNMENTS

SIGNAL ASSEMBLY & CABLE USED	SIGNAL FUNCTION	WIRE COLOR
WALK SIGNAL W/ PUSHBUTTON 7 CONDUCTOR	DON'T WALK	RED
	WALK	GREEN
	NEUTRAL FOR WALK SIGNAL	WHITE
	PEDESTRIAN PUSHBUTTON	BLACK
	NEUTRAL FOR PUSHBUTTON	ORANGE
	SPARE CONDUCTOR	WHITE \ BLACK
WALK SIGNAL W/ PUSHBUTTON 7 CONDUCTOR	SPARE CONDUCTOR *	BLUE \ BLACK
	RED	RED
	YELLOW	ORANGE
	GREEN	GREEN
	NEUTRAL FOR TRAFFIC SIGNAL	WHITE
	PEDESTRIAN PUSHBUTTON	BLACK
	NEUTRAL FOR PUSHBUTTON	WHITE \ BLACK
	SPARE CONDUCTOR *	BLUE \ BLACK

* IF 14/7 FEEDS MORE THAN ONE BUTTON, SPLIT THE BUTTONS AND USE BLUE WITH BLACK TRACER FOR THE ADDITIONAL BUTTON.

TABLE NOTES:

- INSTALL SEPARATE CABLE BETWEEN CLOSURE AND EACH TRAFFIC SIGNAL ASSEMBLY. WIRE EACH TRAFFIC SIGNAL SECTION SEPARATELY BACK TO CABLE CLOSURE. JUMPERS BETWEEN TERMINALS ARE NOT ALLOWED EXCEPT ON NEUTRAL CONDUCTORS.
- WIRE ALL SIGNALS, SAME DIRECTION FROM CONTROLLER, SEPARATELY WITH CONDUCTORS IN 21 CONDUCTOR CABLE, EVEN IF INDICATIONS ARE IDENTICAL.
- CABLES THAT FEED PEDESTRIAN INDICATIONS, PUSH BUTTONS, AND DETECTORS BYPASS CABLE CLOSURE.
- REFER TO STANDARD SHEET TR-1113.01 FOR CABLE CLOSURE - TYPE A.

NOTES:

SERVICE CONDUCTORS: THW, THWN OR XHHW. INDIVIDUAL WIRES MAY BE USED IN LIEU OF MULTI-CONDUCTOR CABLE.

ALL WORK ON UTILITY POLES MUST COMPLY WITH CURRENT PURA REGULATIONS AND NESC RULES.

- A ATTACH SPAN AT LEAST 12" (300) BELOW LOWEST POWER COMPANY ATTACHMENT, AND AT LEAST 40" (1000) ABOVE HIGHEST COMMUNICATIONS ATTACHMENT, UNLESS OTHERWISE DIRECTED ON PLANS.
- B ELBOW OR "T" FITTING MUST HAVE NOTCH FOR SERRATED TABBED LOCKRING.
- C TOP BRACKET CENTER HUB SHALL BE MIN 4" (100) ROUND AND 3" (75) DEEP OR EQUAL VOLUME. SERRATION CAST IN HUB OR TABBED OR SERRATED LOCKRING, TOP OPENING NOT THREADED.
- D NIPPLE LENGTH DEPENDS ON SPAN HEIGHT.
- E SAG OF SPAN TO BE 5%+ LENGTH, UNLESS OTHERWISE ALLOWED BY ENGINEER.
- F FACE ALL ENTRANCE FITTINGS TOWARD CABLE CLOSURE.
- G INSTALL EXTENSION NIPPLE ON TOP OF SIGNAL HOUSING SO BOTTOM OF ALL SIGNALS ARE EVEN.
- H REFER TO TR-GS_01 "SIGN FACE SHEET ALUMINUM, R-SERIES SIGNS TYPICAL DETAILS", AND TO TR-1114.01 FOR SIGN HANGER ASSEMBLY. MAXIMUM SIGN SIZE 36" X 36" (900 X 900). ALL STAINLESS STEEL HARDWARE. SECURE LOUVERS TO TUNNEL VISORS WITH 3 STAINLESS STEEL SCREWS.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:			
○	PROPOSED WOOD SPAN POLE	○	PROPOSED UTILITY POLE
●	EXISTING WOOD SPAN POLE	●	EXISTING UTILITY POLE
○	PROPOSED STEEL SPAN POLE	—	POLE ANCHOR & GUY
●	EXISTING STEEL SPAN POLE	→	SPAN MOUNTED TRAFFIC SIGNAL

REV.	DATE	REVISION DESCRIPTION
4	1-2018	REVISED GROUNDING NOTE FOR SPAN AND OTHER MINOR REVISIONS.
3	3-2015	REMOVED STRAIN INSULATOR.
2	5-2013	MINOR REVISIONS.
1	4-2012	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.
Plotted Date: 5/22/2018

DIMENSIONS ARE IN ENGLISH ("") & METRIC UNITS (mm).
METRIC DIMENSIONS ARE ROUNDED:
- OVER 1" TO NEAREST 5 mm.
- UNDER 1" TO NEAREST 1 mm.

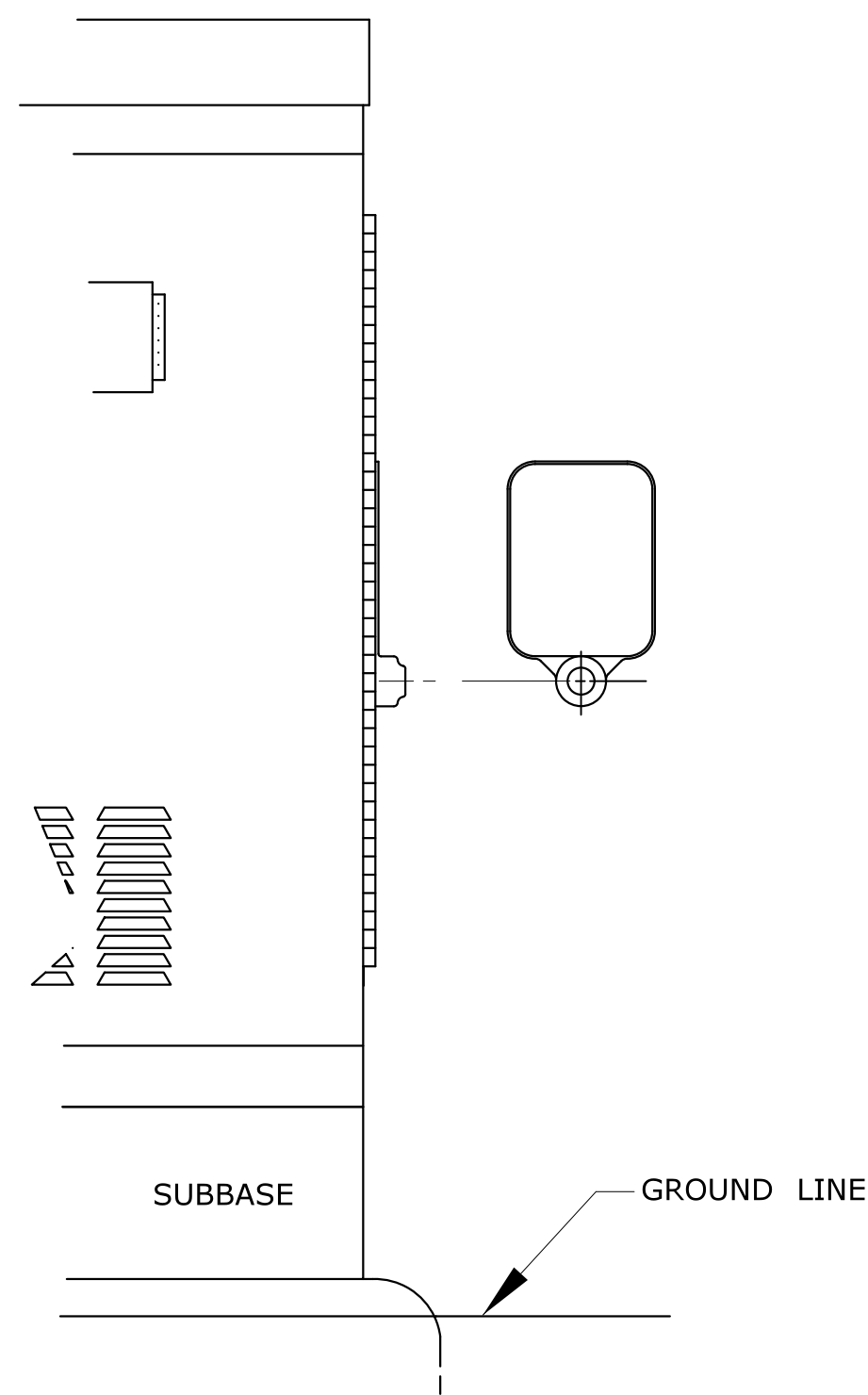
NOT TO SCALE

	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	
Filename: CTDOT_TRAFFIC_STD_2018-05-21.dgn Model: TR-1105_01		

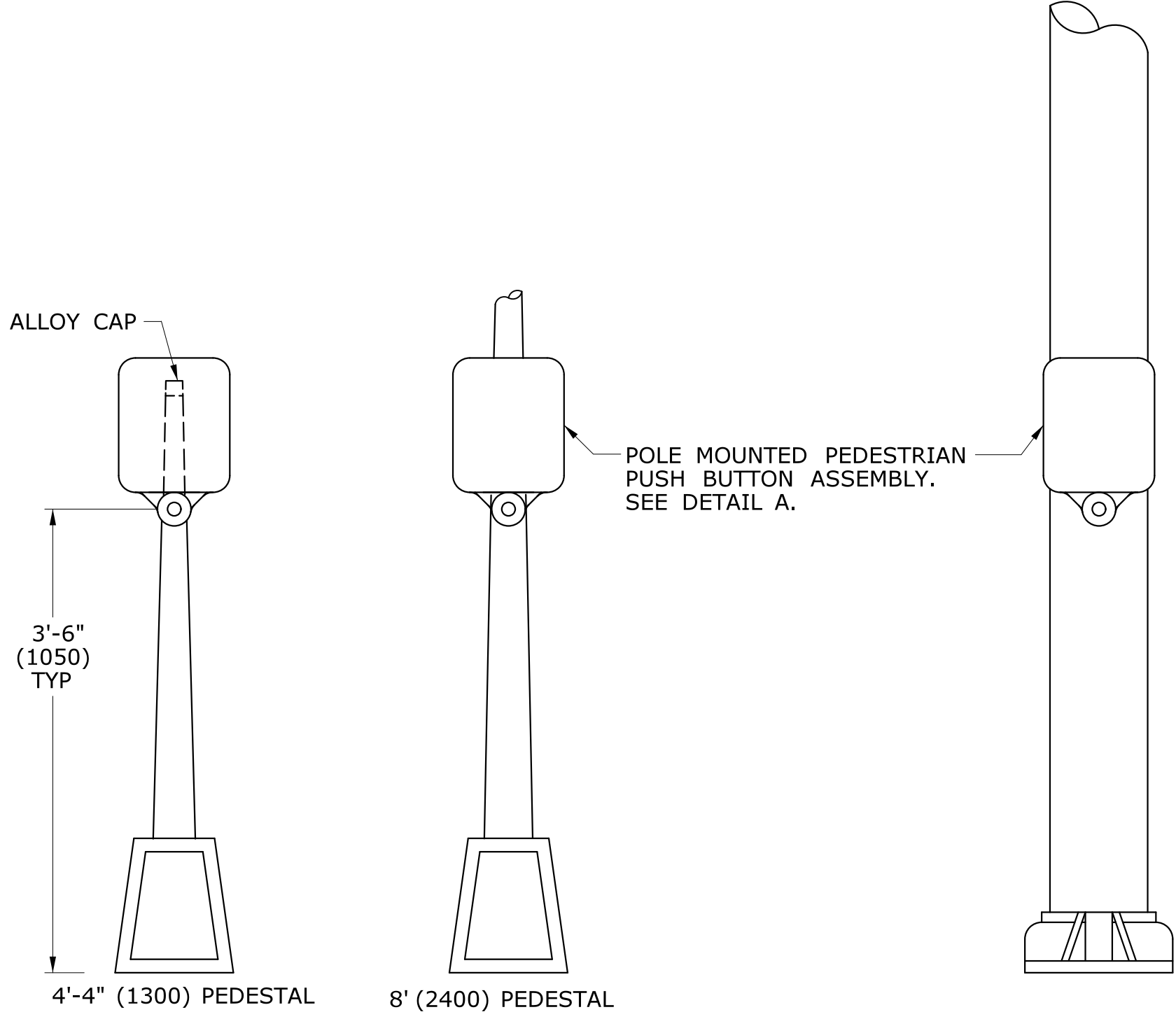
SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

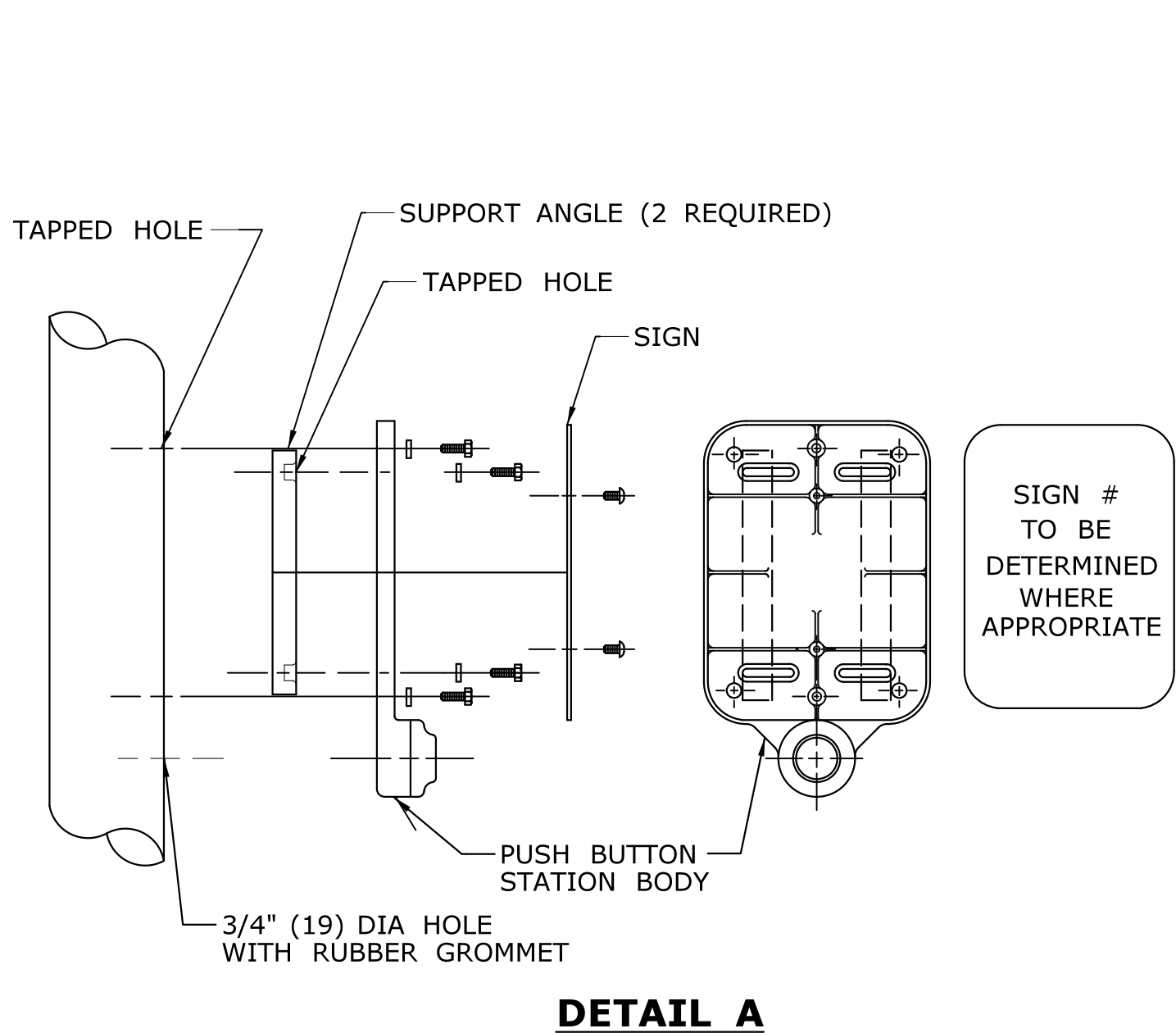
STANDARD SHEET TITLE:	STANDARD SHEET NO.:
TRAFFIC SIGNALS & CABLE ASSIGNMENTS	TR-1105_01



SURFACE MOUNTED



PEDESTAL MOUNTED



**SPAN POLE/MAST ARM
MOUNTED**



SIGN # 31-0833
USE APPROPRIATE LEFT OR RIGHT ARROW

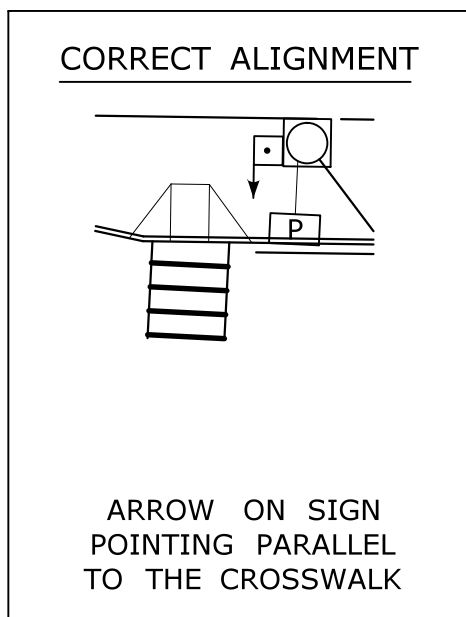


SIGN # 31-0835

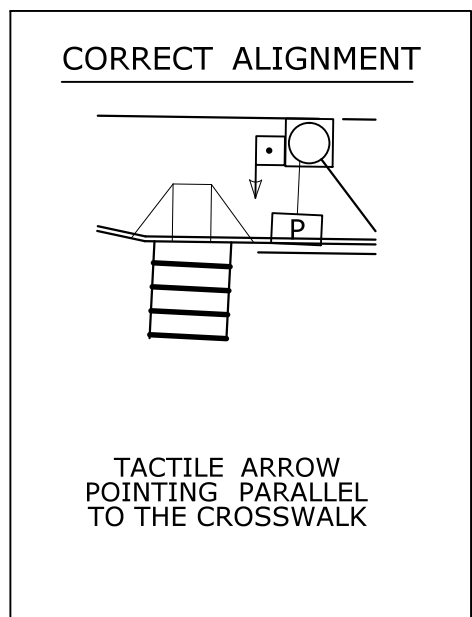
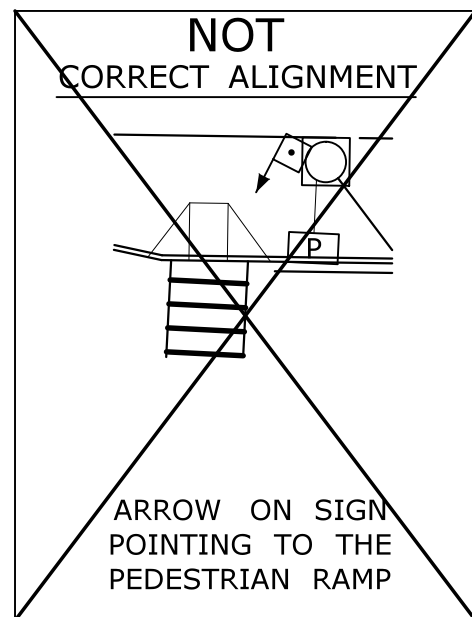
**FOR CROSSING
WITH SIDE STREET GREEN**

GENERAL NOTES:

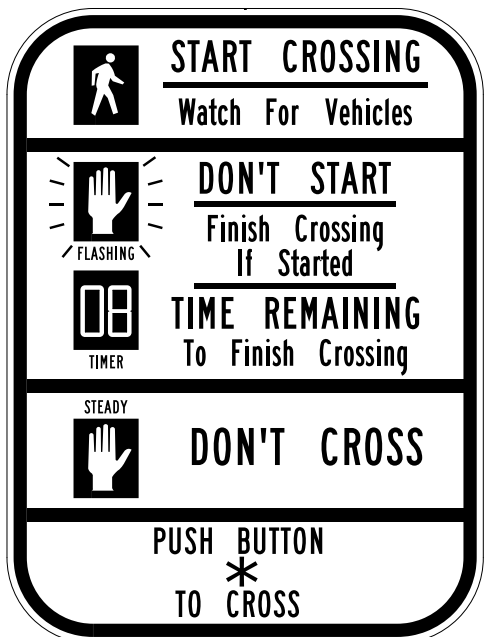
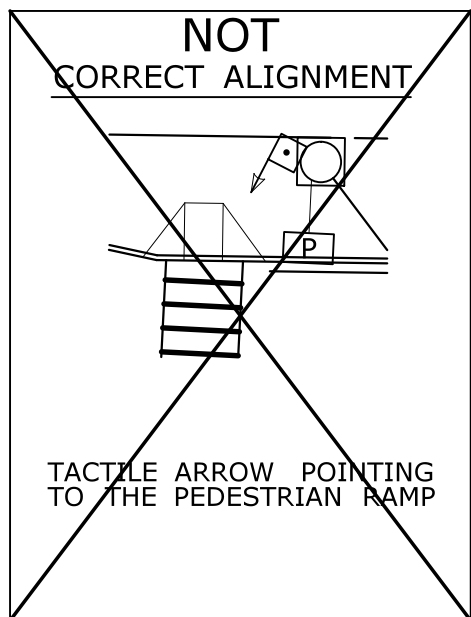
3'-6" (1050) FROM FINISHED GRADE SUCH AS SIDEWALK TO CENTER OF PUSH BUTTON.
PUSH BUTTON INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS
WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, CURRENT EDITION GOVERNS.
4'-4" (1300) PEDESTAL TO INCLUDE ALLOY CAP SECURED WITH STAINLESS STEEL SET SCREW.



PEDESTRIAN PUSH BUTTON ALIGNMENT



ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR



*USE APPROPRIATE ARROW UNLESS
OTHERWISE NOTED ON PLAN.

FOR NEW PUSHBUTTON HOUSING,
USE 9" x 15" SIGN NO. 31-0856.

FOR EXISTING PUSHBUTTON HOUSING,
WITH 9" x 12" SIZE, USE SIGN NO. 31-0845.

**EXAMPLE ALIGNMENTS
FOR EXCLUSIVE PEDESTRIAN PHASE**

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:		
	PEDESTRIAN PUSH BUTTON	
	PEDESTRIAN PUSH BUTTON, PEDESTAL MOUNTED	
	PEDESTRIAN PUSH BUTTON, POLE MOUNTED	

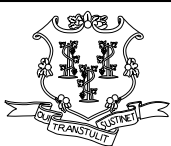
REV.	DATE	REVISION DESCRIPTION
3	8-2018	UPDATED PEDESTRIAN SIGN LEGENDS AND NOTES.
2	4-2014	ADDED PEDESTRIAN EXAMPLE ALIGNMENTS
1	4-2012	MINOR REVISIONS & UPDATED SIGN #31-0845.

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.

Plotted Date: 8/9/2018

DIMENSIONS ARE IN ENGLISH ("")
& METRIC UNITS (mm).
METRIC DIMENSIONS ARE ROUNDED:
- OVER 1" TO NEAREST 5 mm
- UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE



**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**


Filename: CTDOT_TRAFFIC_STD_2018-01-25.dgn Model: TR-1107_01



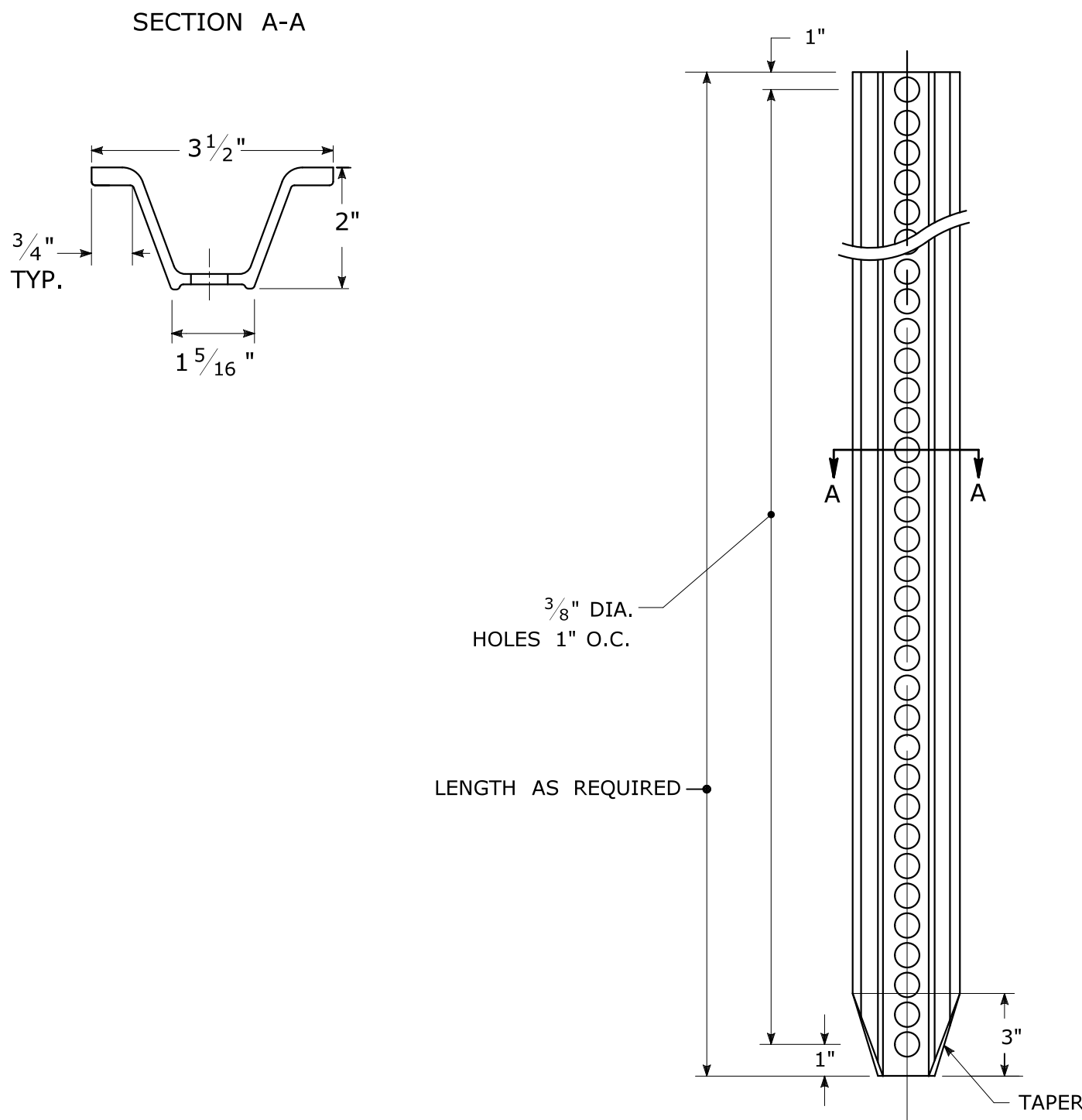
SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

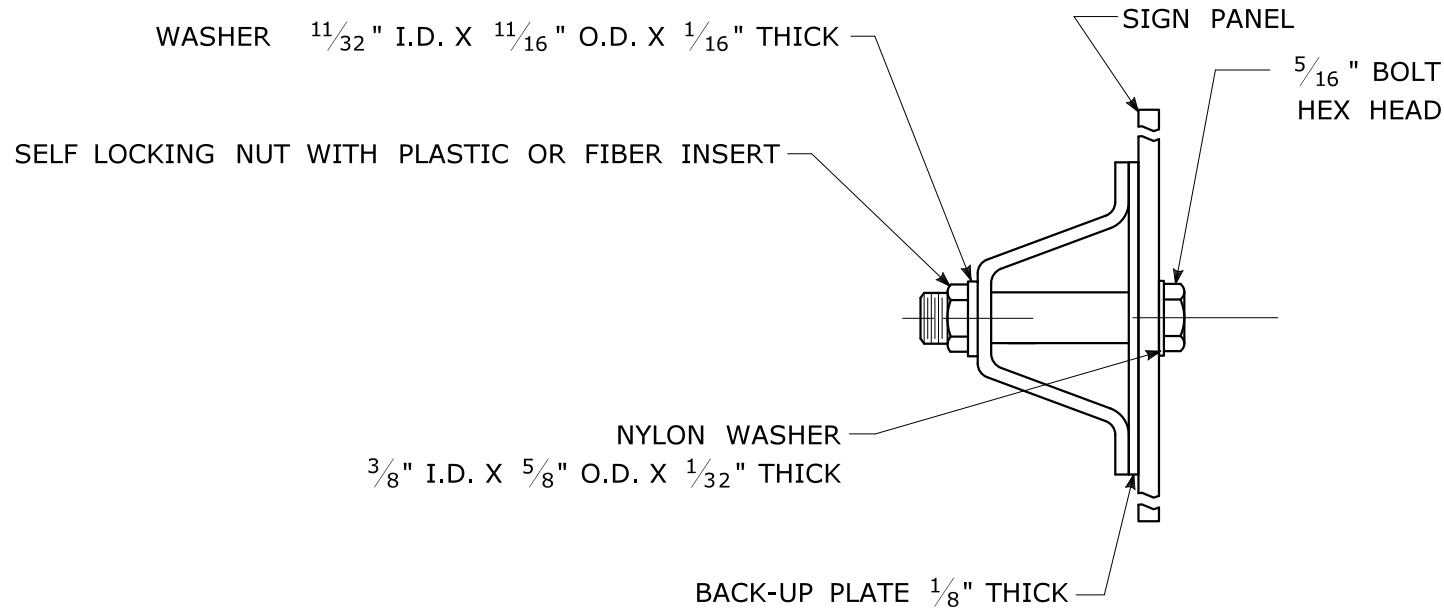
STANDARD SHEET TITLE:	STANDARD SHEET NO.:
PEDESTRIAN PUSH BUTTONS	TR-1107_01

			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	<div><div></div><div>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</div><div><div>Filename: TR-1208_01_1-2018.dgn</div><div>Model: TR-1208-01</div></div></div>	SUBMITTED BY:	NAME/DATE/TIME:	CTDOT STANDARD SHEET OFFICE OF ENGINEERING	STANDARD SHEET TITLE: SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	STANDARD SHEET NO.: TR-1208_01		
3	8-2018	INCLUDED INCIDENT MANAGEMENT AND MILE MARKER SIGNS.				APPROVED BY:	NAME/DATE/TIME:					
2	4-2017	MINOR REVISIONS.										
1	2-2011	MINOR REVISIONS.										
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 8/10/2018									

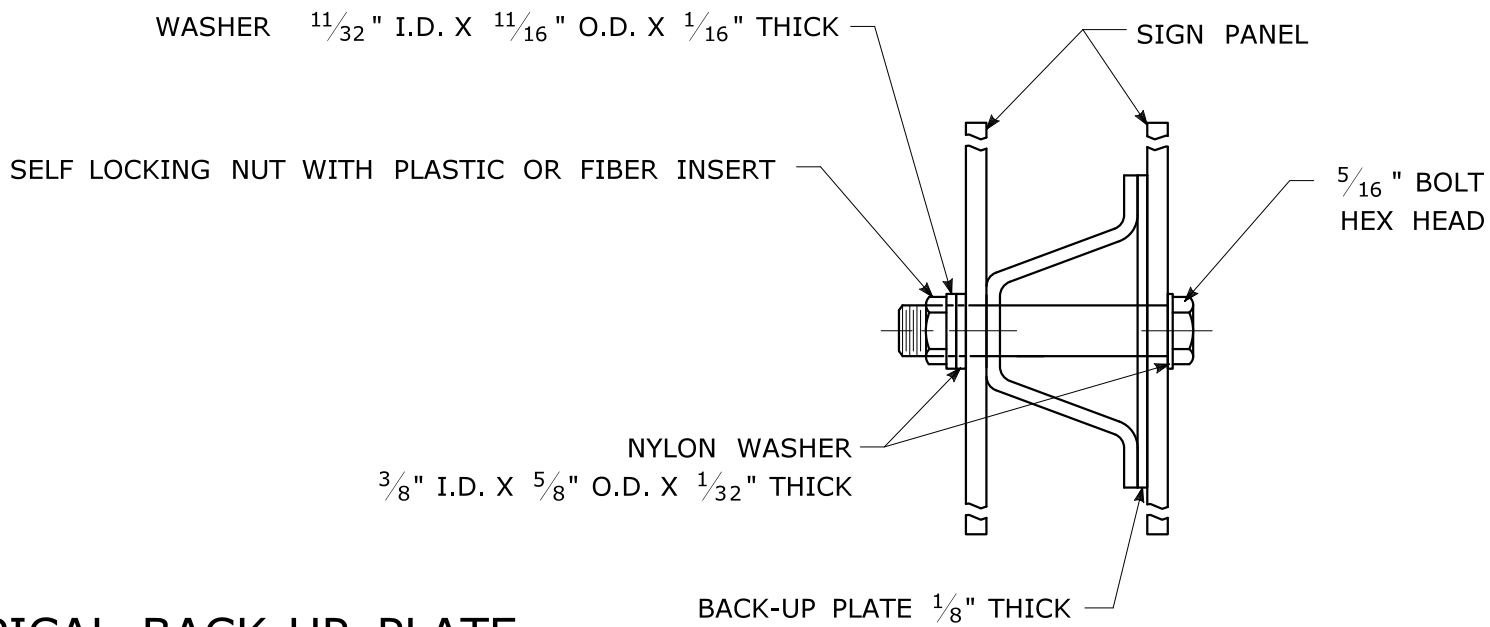
TYPICAL METAL SIGN POSTS



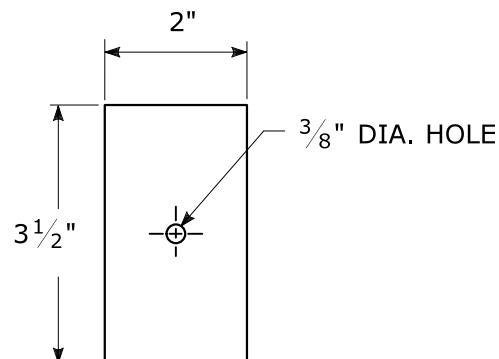
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



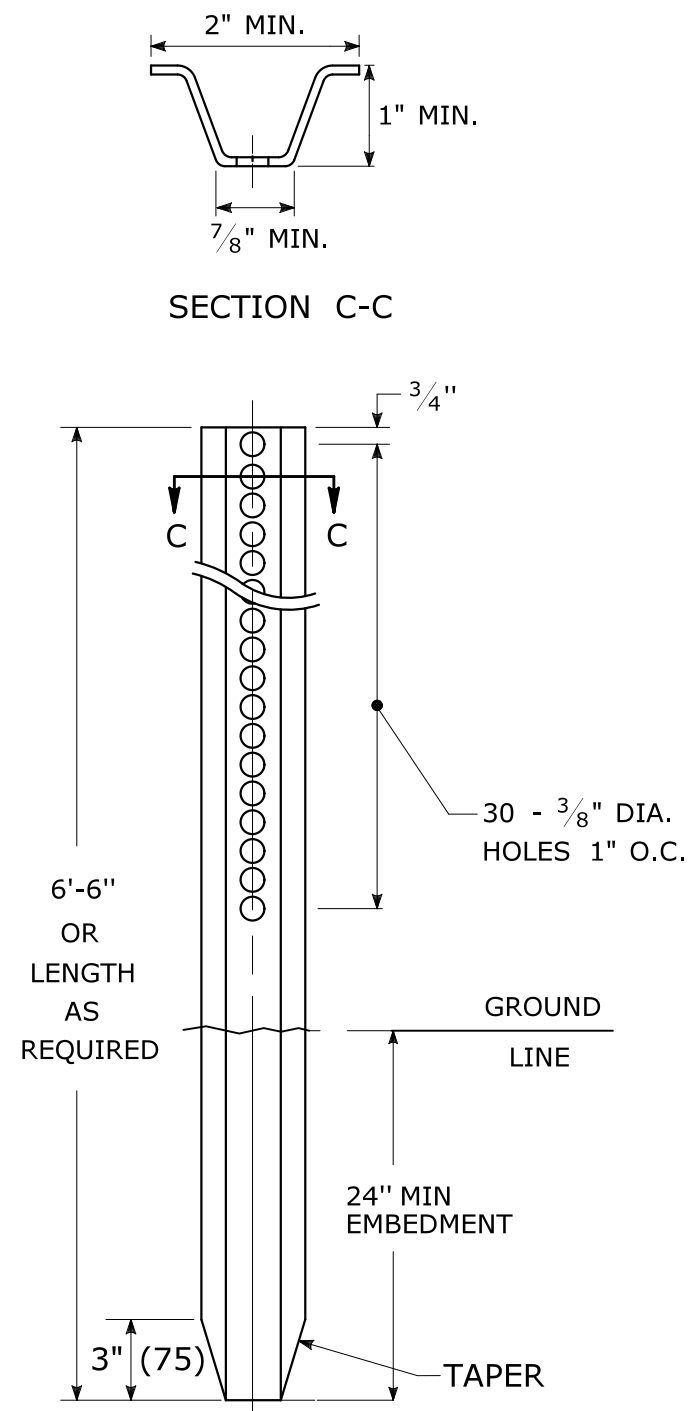
TYPICAL BACK-UP PLATE



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

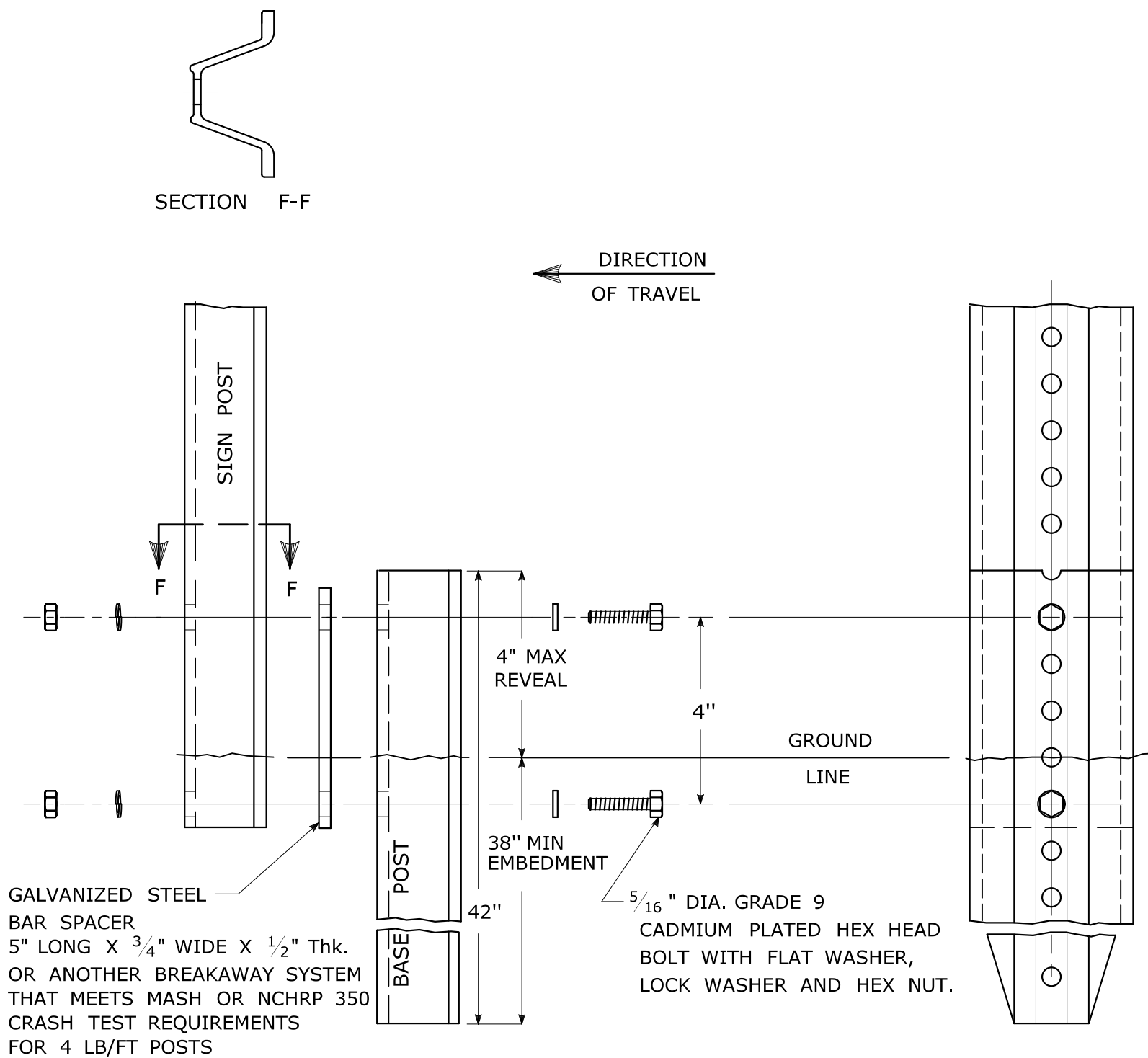
WT./FT. = 1.12 LBS./FT. MIN.



GENERAL NOTES:

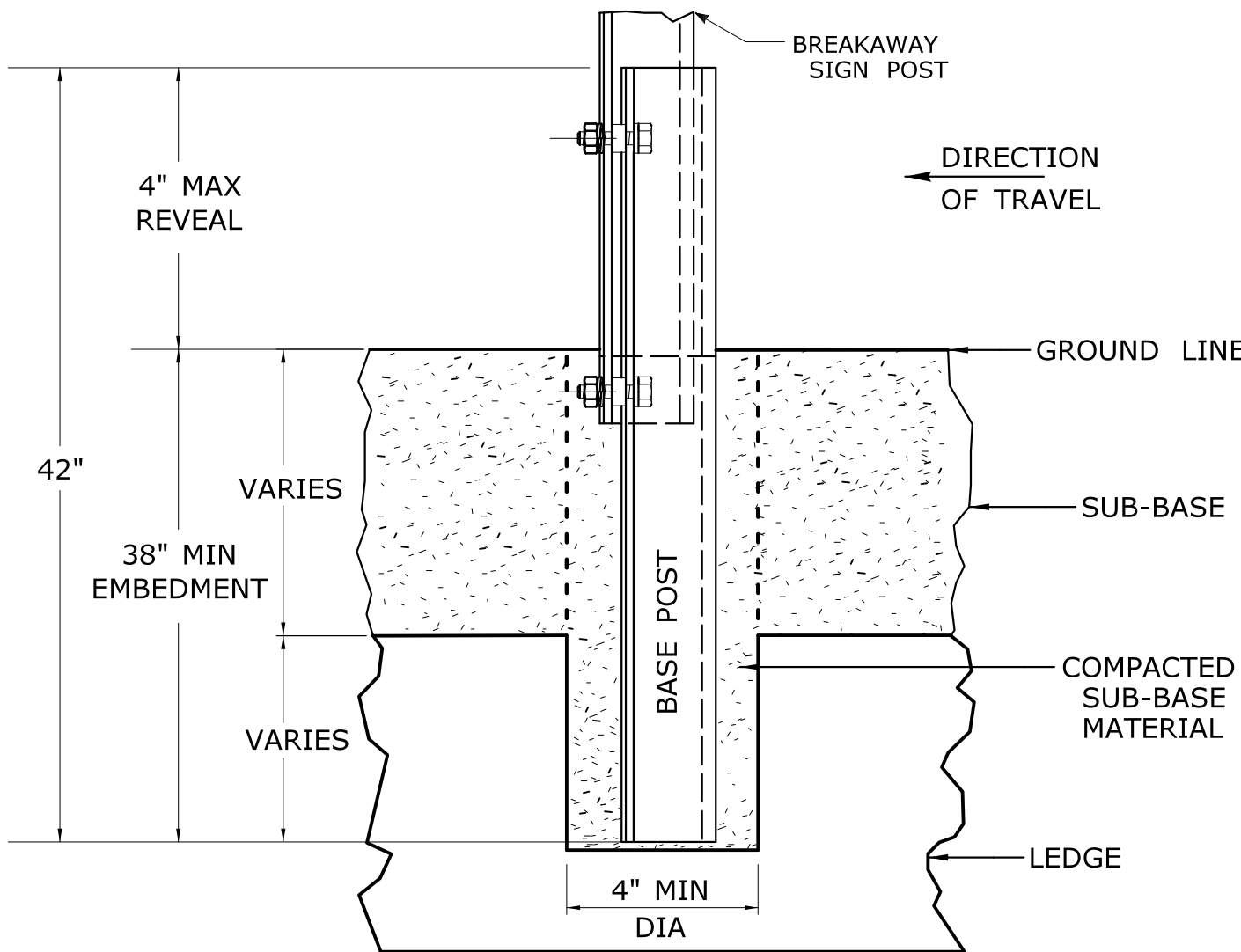
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, 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

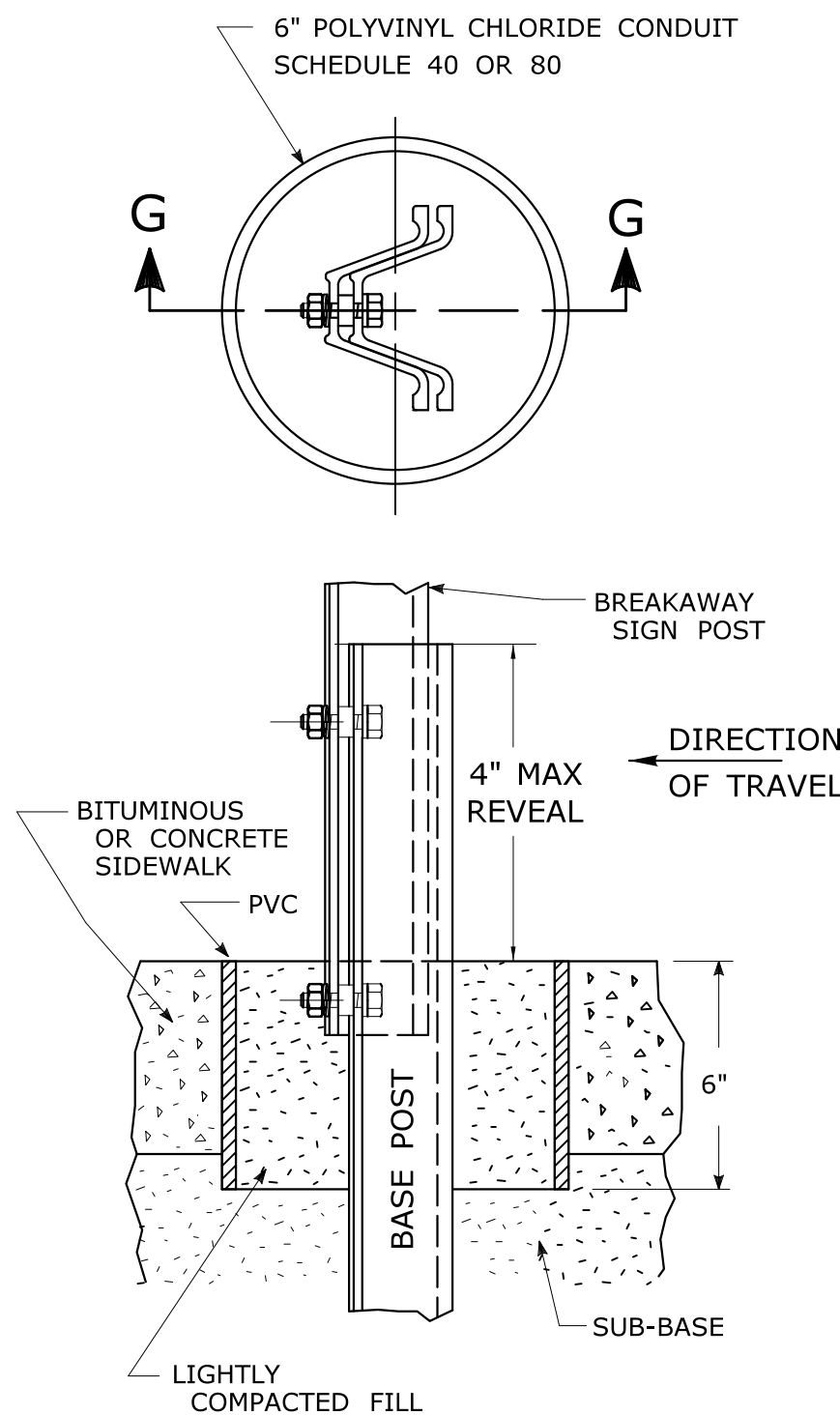


TYPICAL SIGN POST INSTALLATION IN LEDGE

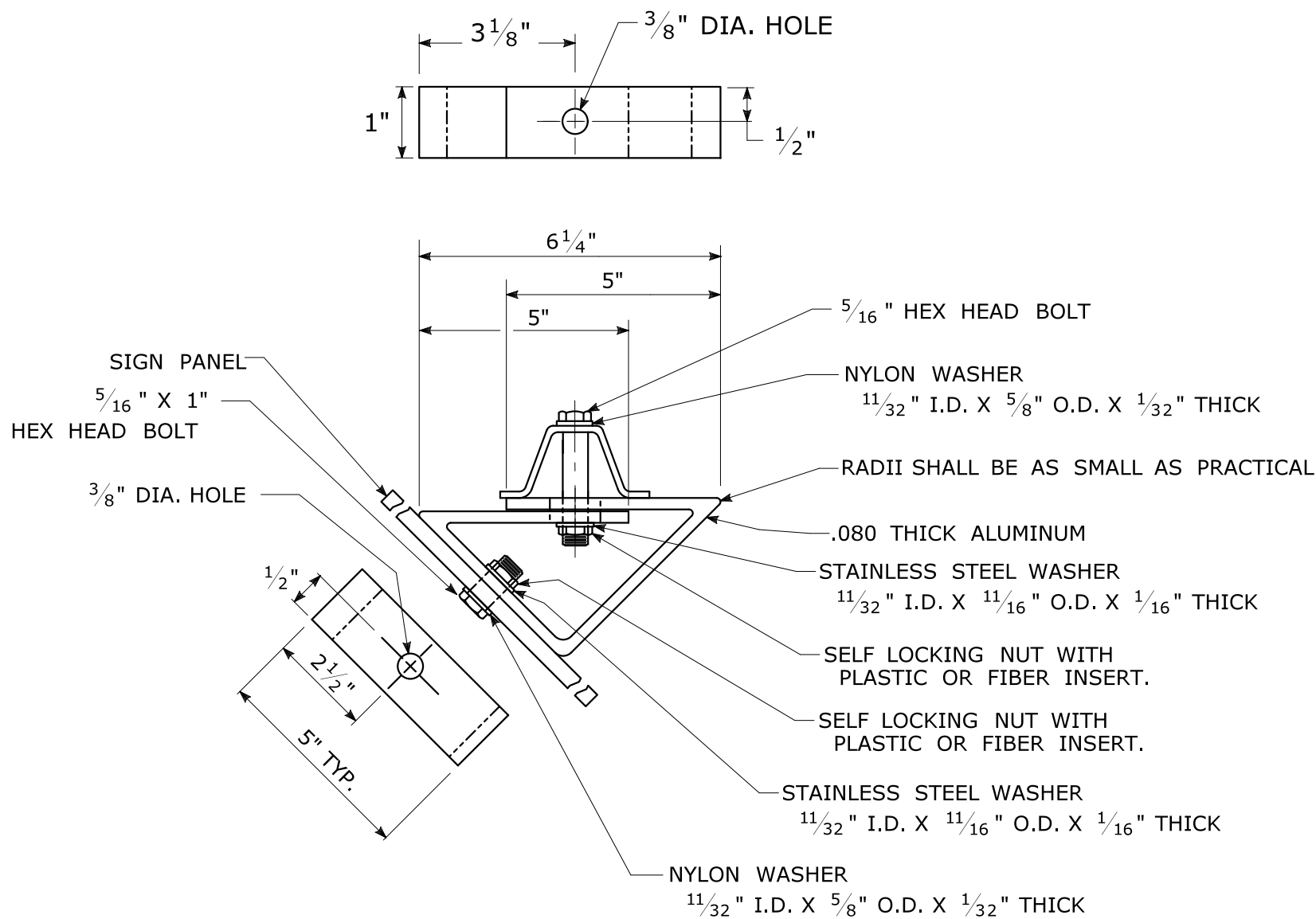
LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE
FOR PAVED AREAS



45° MOUNTING BRACKET
FOR INSTALLATION OF PARKING SIGNS

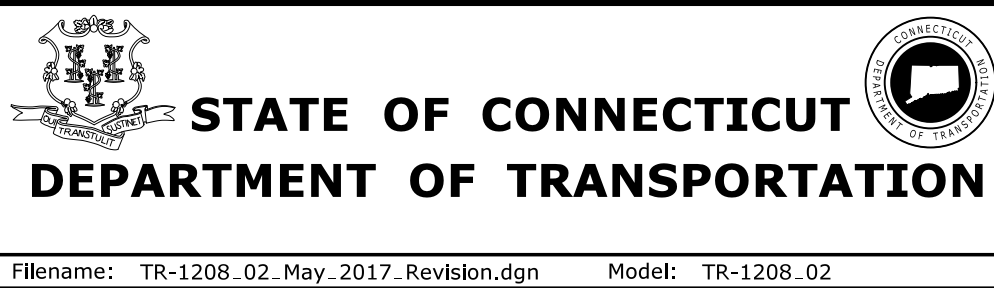


REV.	DATE	REVISION DESCRIPTION
2	6-2017	SIGN POST REVISIONS.
1	2-2011	MINOR REVISIONS.

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Plotted Date: 6/6/2017

NOT TO SCALE



SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:	GUIDE SHEET NO.:
METAL SIGN POSTS AND SIGN MOUNTING DETAILS	TR-1208_02