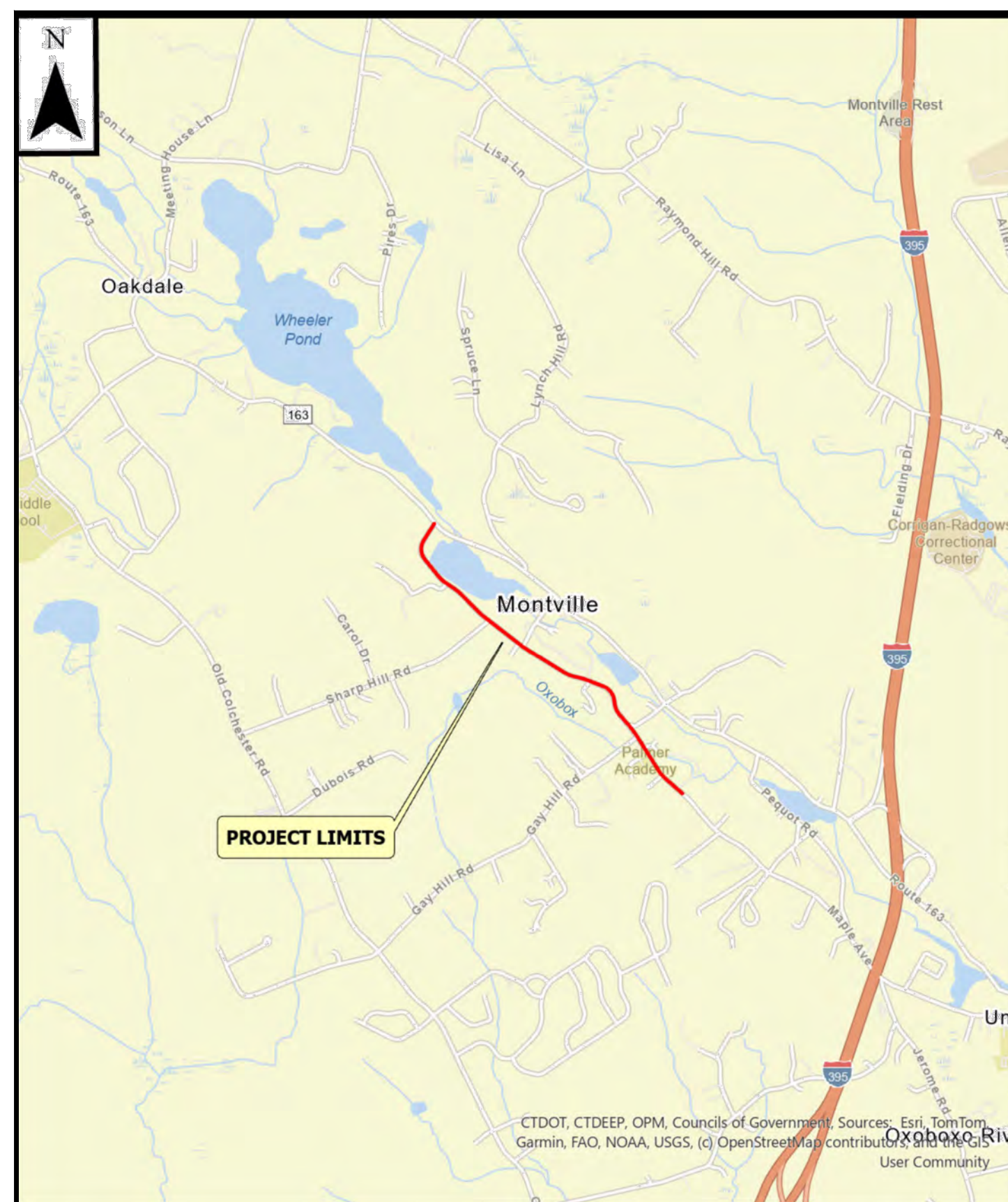


# MAPLE AVENUE IMPROVEMENT PROJECT (ROUTE 163 TO DPW GARAGE)

PREPARED FOR THE  
**TOWN OF MONTVILLE**  
310 NORWICH-NEW LONDON TPKE  
MONTVILLE, CONNECTICUT

Bid No. 2026-(--)  
**LEONARD G. BUNNELL Sr. - MAYOR**



**LOCATION MAP**  
SCALE: 1" = 2000'

Sheet List Table

Sheet Number	Sheet Title
0	Cover Sheet
1	General Notes
2	Plan & Profile Sheet 1
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6	Construction Details 2 of 2

**JUNE 9 2026**

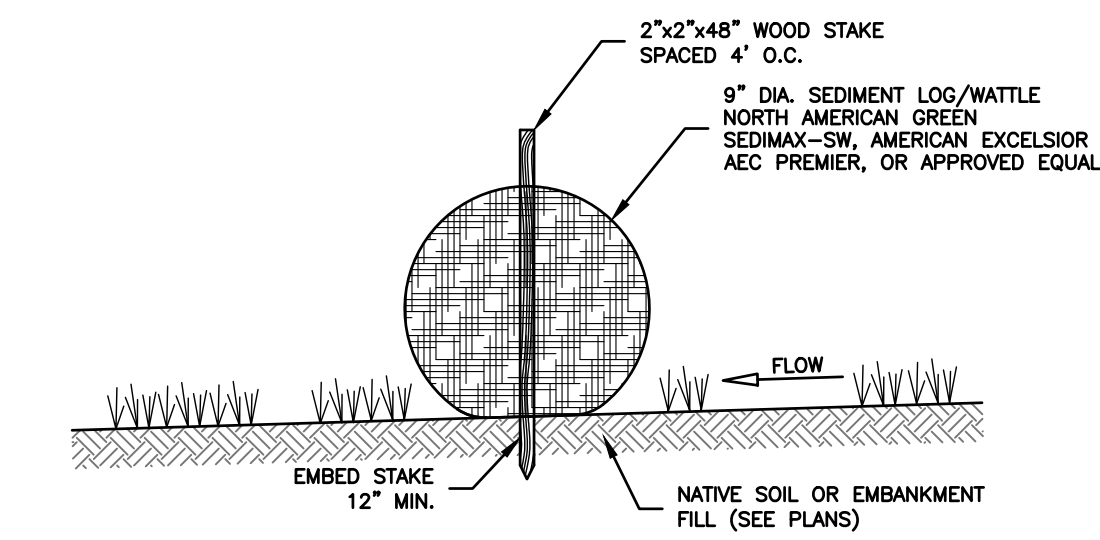
CALL TWO FULL WORKING  
DAYS IN ADVANCE  
CALL BEFORE YOU DIG  
811

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(860) 886-1966 Fax (860) 886-9165

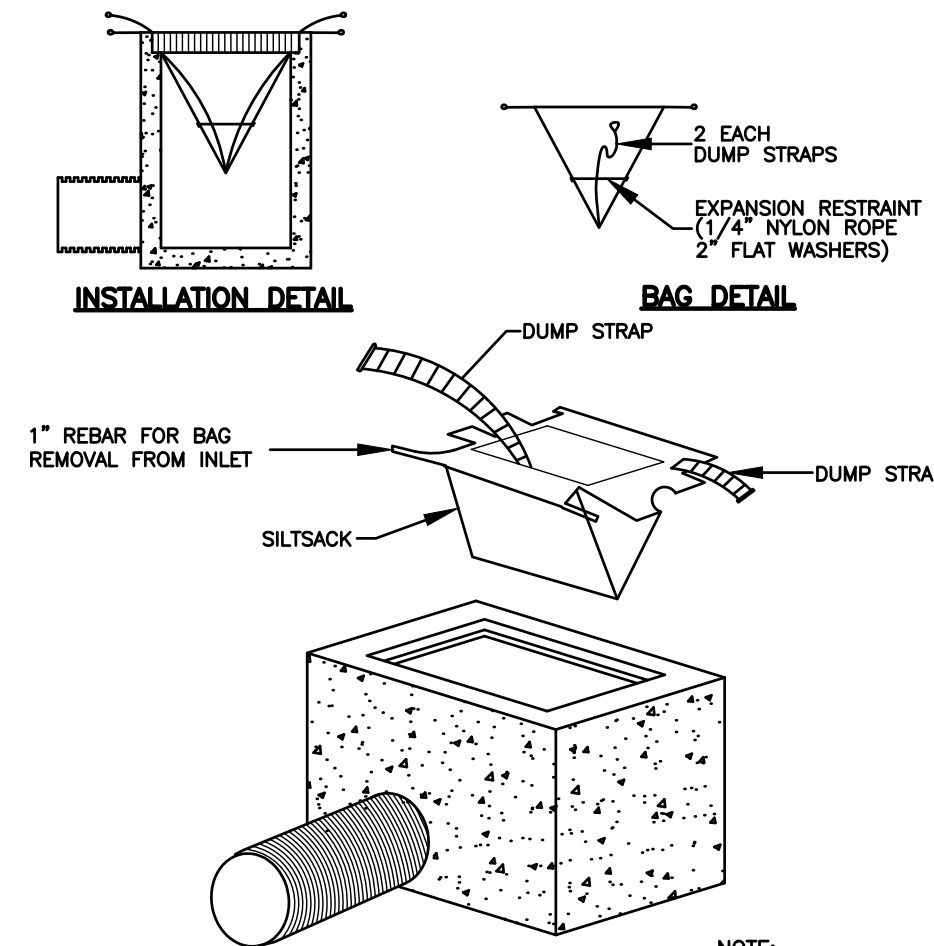
**GENERAL NOTES**

- PRIOR TO BIDDING THE PROJECT, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS.
- EXISTING PROPERTY LINES AND RIGHT-OF-WAY LINES WHERE SHOWN ARE MONTVILLE GIS AND ARE APPROXIMATE (SEE SURVEY NOTES)
- GROUND LINE AS SHOWN ON THESE PLANS IS BASED ON FIELD SURVEY.
- CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO THE START OF CONSTRUCTION.
- INFORMATION SHOWN ON THE DRAWINGS RELATING TO MATERIALS, CONDITIONS, AND OR LOCATIONS OF EXISTING STRUCTURES AND UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING FIELD SURVEY, UTILITY COMPANY AND TOWN RECORD MAPS AND DRAWINGS, AND IS NOT GUARANTEED ACCURATE OR COMPLETE. ALL UTILITIES SHALL BE LOCATED IN THE FIELD BY THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER WARRANTS OR GUARANTEES THE CONDITIONS SHOWN ON THE PLANS.
- PASSAGE OF TRAFFIC ON ROADWAYS: THE CONTRACTOR SHALL PERFORM WORK OPERATIONS TO MINIMIZE DISRUPTIONS TO TRAFFIC WITHIN THE PROJECT SITE.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC, TRAFFIC CONTROL, TEMPORARY SIGNING OR BARRICADES AND LANE CLOSURES. CONTINUOUS ACCESS FOR BUSES AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
- PASSAGE OF TRAFFIC ON ROADWAYS: A MINIMUM OF ONE LANE FOR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL PERFORM HIS OPERATIONS TO MINIMIZE DISRUPTIONS TO TRAFFIC WITHIN AND AROUND THE PROJECT SITE.
- CONSTRUCTION SIGNS MUST CONFORM TO THE SIGNING REQUIREMENTS OUTLINED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". ALL SIGN FACES SHALL BE REFLECTORIZED.
- ALL PROPOSED WORK MAY BE VARIED IN THE FIELD BY THE OWNER TO MATCH EXISTING CONDITIONS.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN THE STREET LINES AND/OR EASEMENTS AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT, ROADWAY, SIDEWALKS, ETC., OUTSIDE OF THE WORK AREA AND SHALL REPAIR SUCH DAMAGE AT NO ADDITIONAL COST TO THE OWNER.
- UPON COMPLETION OF THE WORK, ALL DISTURBED AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION.
- ALL STREET SIGNS, MAILBOXES, PLANTINGS, ORNAMENTAL OBJECTS, LIGHTS, LANDSCAPE SHRUBBERY, ETC., SHALL BE PROTECTED FROM DAMAGE AND SHALL BE REPLACED IN THE SAME OR BETTER CONDITION BY THE CONTRACTOR IF DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
- RESIDENTS WITH DRIVES AFFECTED BY CONSTRUCTION SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS BEFORE CONSTRUCTION BEGINS AND SHALL BE ALLOWED ACCESS TO THEIR PROPERTY.
- THE CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS WHICH SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY AND PERMANENT SUPPORT OF ALL EXISTING UTILITY POLES IN AN ADJACENT TO THE CONSTRUCTION AREA AND SHALL COMPLY WITH ALL THE REQUIREMENTS AND SPECIAL DETAILS FOR THE SUPPORT OF UTILITIES REQUIRED BY UTILITY AGENCIES. ALL COSTS FOR TEMPORARILY SUPPORTING UTILITY POLES DURING CONSTRUCTION AND ADJUSTMENTS TO THE PERMANENT SUPPORT FOR UTILITY POLES SHALL BE INCLUDED IN OTHER ITEMS.
- IF IT IS DEEMED NECESSARY BY THE OWNER THAT THE CONTRACTOR EXECUTE WORK AT CERTAIN POINTS IN THE CONTRACT AT CERTAIN TIMES AND SEASONS, THE CONTRACTOR SHALL PERFORM SAID WORK AT NO ADDITIONAL EXPENSE TO THE OWNER, WITHIN THE TIME SET FORTH IN THE CONTRACT.
- MATERIAL STOCKPILE AND STAGING AREAS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING STOCKPILE, MATERIAL STORAGE AND EQUIPMENT STORAGE AREAS. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL IDENTIFY THESE AREAS AND PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED.
- DISPOSAL OF CONSTRUCTION MATERIALS: PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL BE REQUIRED TO IDENTIFY ALL LOCATIONS WITHIN THE TOWN TO BE USED FOR DISPOSAL OF UNSUITABLE CONSTRUCTION MATERIALS.
- CLEARING AND GRUBBING: ALL TREES, BRUSH, VEGETATION, ETC. SHALL BE CUT DOWN BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL GIVE ABUTTING PROPERTY OWNERS THE OPPORTUNITY TO TAKE CUT WOOD FOR THEIR PRIVATE USE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL REMAINING STUMPS, CUT-UP TREES & LIMBS, ETC. WITHIN THE CONTRACT LIMITS. ALL COSTS ASSOCIATED WITH THE ABOVE WORK SHALL BE INCLUDED IN OTHER ITEMS CONTRACTOR SHALL PROTECT REMAINING TREES FROM DAMAGE DURING CONSTRUCTION. TREES UNNECESSARILY CUT OR DAMAGED BY THE CONTRACTOR'S FORCES SHALL BE REPLACED, OF COMPARABLE SIZE AND TYPE, BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCK PILES, EARTH PILED ALONG EXCAVATIONS, ROADWAY SURFACES AND SURFACES OF REFILLED TRENCHES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling TO GRADE ALL FRAMES, GRATES, COVERS, VALVE BOXES, ACCESS COVERS, AND ALL OTHER ITEMS WHICH NORMALLY MUST HAVE A FIXED RELATION TO FINISHED GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SURVEY AND STAKEOUT AS REQUIRED.
- ALL WORK TO CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION SUPPLEMENTED FORM 819, DATED JANUARY 2025.



NOTES:  
1. STORMWATER LOG ENDS SHALL BE TIED TOGETHER, OVERLAPPED AT LEAST 24" OR BE SECURED AS RECOMMENDED BY THE MANUFACTURER.

**STORMWATER SEDIMENT LOG (WATTLE) DETAIL**  
NOT TO SCALE



**INLET SEDIMENT CONTROL DEVICE DETAIL**  
NOT TO SCALE

**EROSION & SEDIMENTATION CONTROL NARRATIVE**

- THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEEP."
- THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE. TOWN STAFF SHALL REVIEW AND APPROVE THE INSTALLATION PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UP-GRADE ARE PERMANENTLY STABILIZED.
- STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
- INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
- CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
- IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED.
- ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS WITHIN 10 FEET OF THE STREAM BED AND THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1).
- IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
- WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
- ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
- UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEEP."
- IF NECESSARY, THE PUBLIC WORKS DEPARTMENT OR THE OWNER WILL BE PREPARED TO STEP IN AND TAKE ACTION TO ADDRESS ANY POTENTIAL EROSION PROBLEMS. ANY WORK DONE BY THE PUBLIC WORKS DEPARTMENT OR THE OWNER WILL BE CHARGED TO THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS.

**PERMANENT VEGETATIVE COVER**

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS, APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F. APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER S.F.. WORK LIMESTONE INTO THE SOIL TO A DEPTH OF 6 INCHES. INSPECT SEEDBED BEFORE SEEDING. IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS. APPLY THE FOLLOWING GRASS SEED MIX:

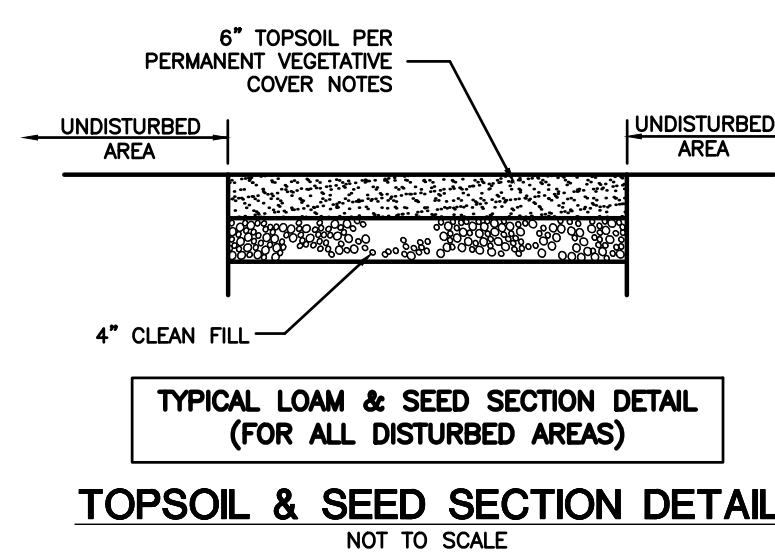
**SEED MIXTURE**

2:1 SLOPES OR GREATER DEP SEED MIX NO. 3:	LBS./ACRE	LBS./1000 S.F.
CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	0.45
BIRD'S FOOT TREFOIL (EMPIRE, VIKING) W/ INOCULANT	8	0.20
TALL FESCUE (KENTUCKY 31) OR		
SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	20	0.45
	45	1.00
REMAINDER OF DISTURBED AREAS	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.45
CREeping RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00

THE RECOMMENDED SEEDING DATES ARE:

- APRIL 1 - JUNE 15
- AUGUST 15 - OCTOBER 15

IMMEDIATELY FOLLOWING SEEDING, FIRM SEED BED WITH A ROLLER AND MULCH WITH WEED FREE STRAW. IF PERMANENT VEGETATIVE COVER IS HAS NOT BEEN ESTABLISHED BY SEPTEMBER 30, APPLY A TEMPORARY VEGETATIVE COVER ON THE TOPSOIL.



**TYPICAL LOAM & SEED SECTION DETAIL**  
(FOR ALL DISTURBED AREAS)  
NOT TO SCALE

THE CONTRACTOR SHALL CONTINUALLY STORE THE FOLLOWING MATERIALS ONSITE DURING CONSTRUCTION TO MEET UNEXPECTED EROSION NEEDS

- 100 LF OF SILT FENCE
- 10 HAY BALES
- WOOD CHIPS OR CRUSHED STONE

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS OBSERVED IN THE FIELD.

*RC Russo*  
ROBERT C. RUSSO  
CERTIFIED SOIL SCIENTIST

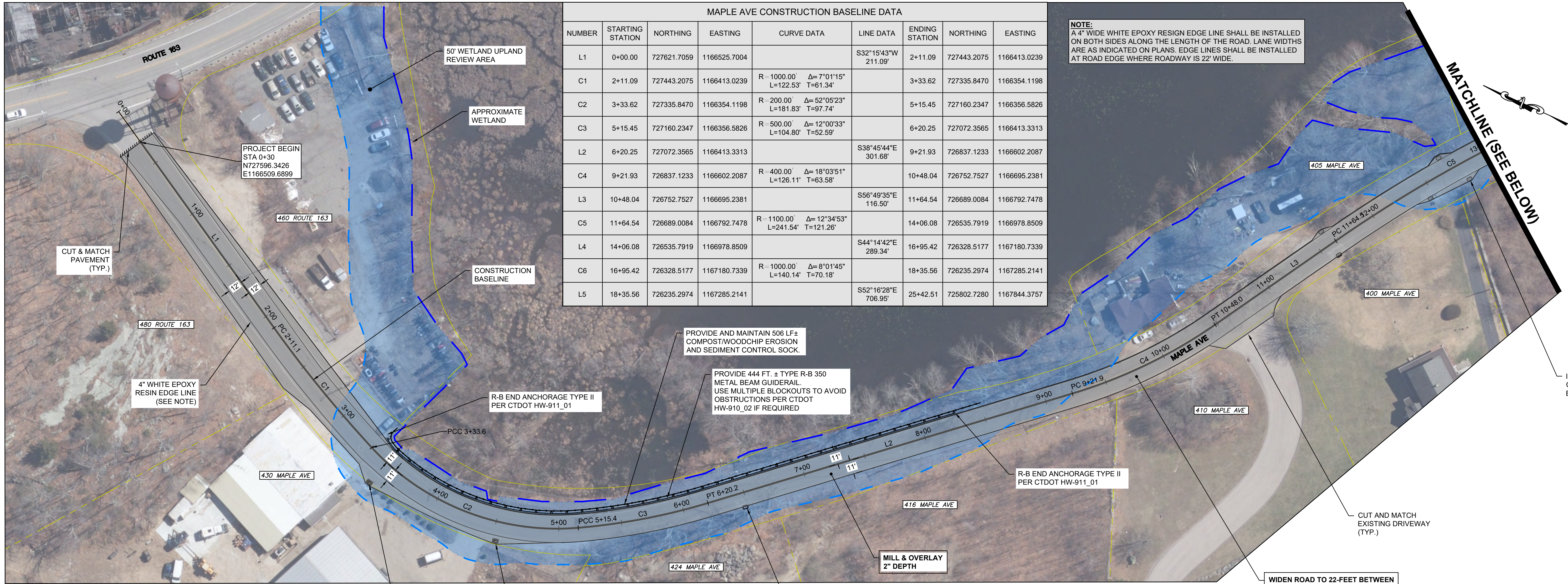
TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HERON.

RYAN J. CHEVERIE, L.L.S. #70454

**LEGEND:**

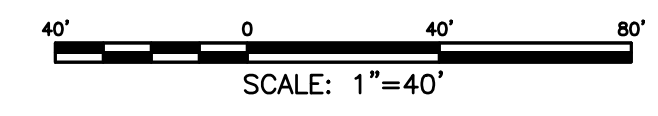
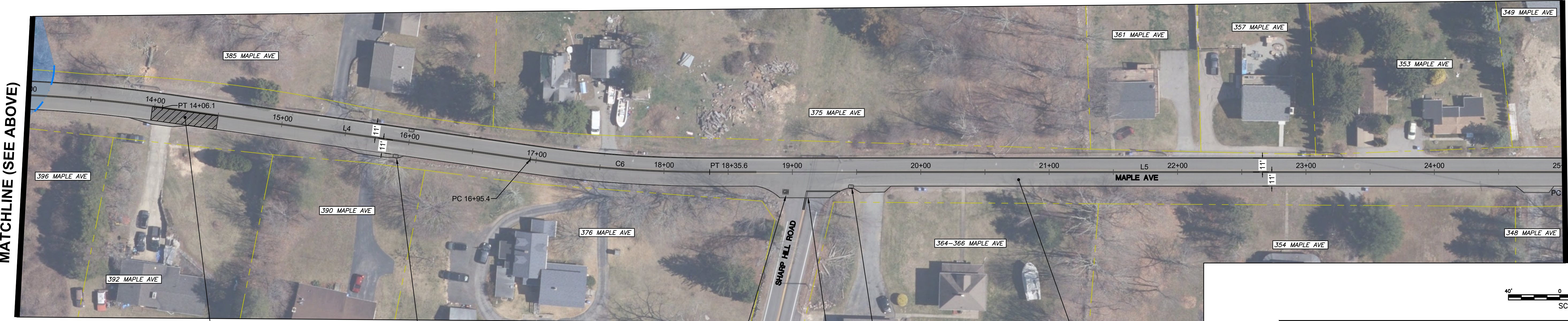
---	PROPERTY LINE	○	UTILITY POLE
---	CHAIN-LINK FENCE	N/F	NOW OR FORMERLY
---	RETAINING WALL	U.G.	UNDER GROUND
---	WETLANDS EDGE	○	DECIDUOUS TREE
---	STONE WALL	○	OVERHEAD ELECTRIC LINE
○	BOUNDARY POINT	⊗	WATER SHUTOFF
○	IRON PIN, IRON PIPE	○	BOLLARD
CHD, MON	MONUMENT	○	SHRUB
⊗	GAS GATE, WATER GATE	WF	WETLANDS VEGETATION, FLAG
○	TRAFFIC SIGN		
○	SEWER MANHOLE		

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		317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165	
No.	DATE	REVISION	
		<b>TOWN OF MONTVILLE</b>	
		<b>MAPLE AVENUE</b> <b>(ROUTE 163 TO MONTVILLE DPW)</b>	
		<b>GENERAL NOTES</b>	
		<b>1</b>	

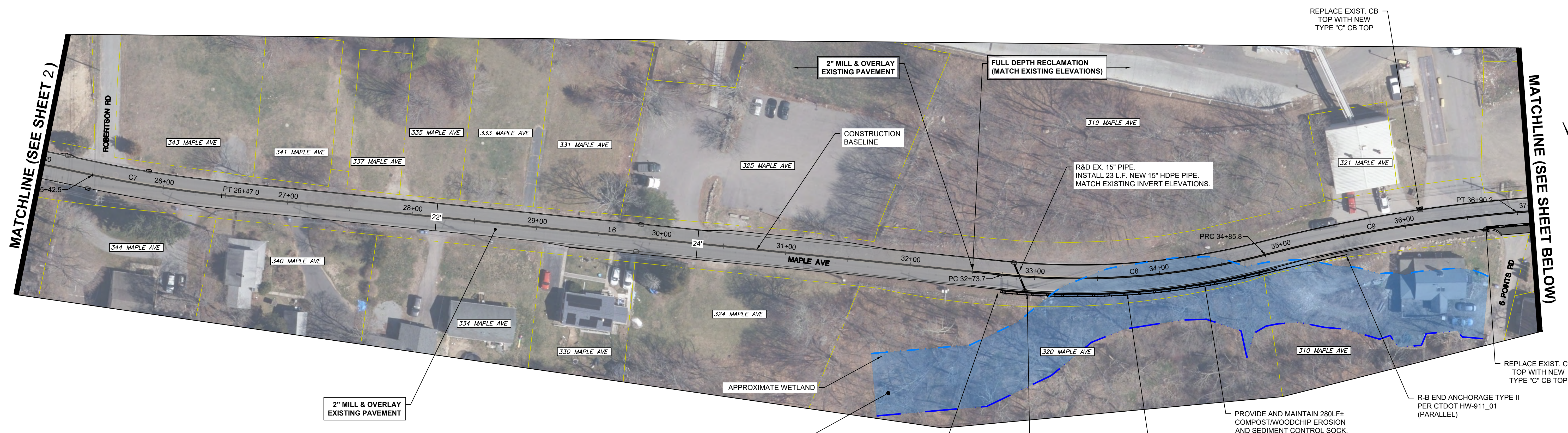


MAPLE AVE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	0+00.00	727621.7059	1166525.7004		S32°15'43\"/>			

**NOTE:**  
A 4\"/>

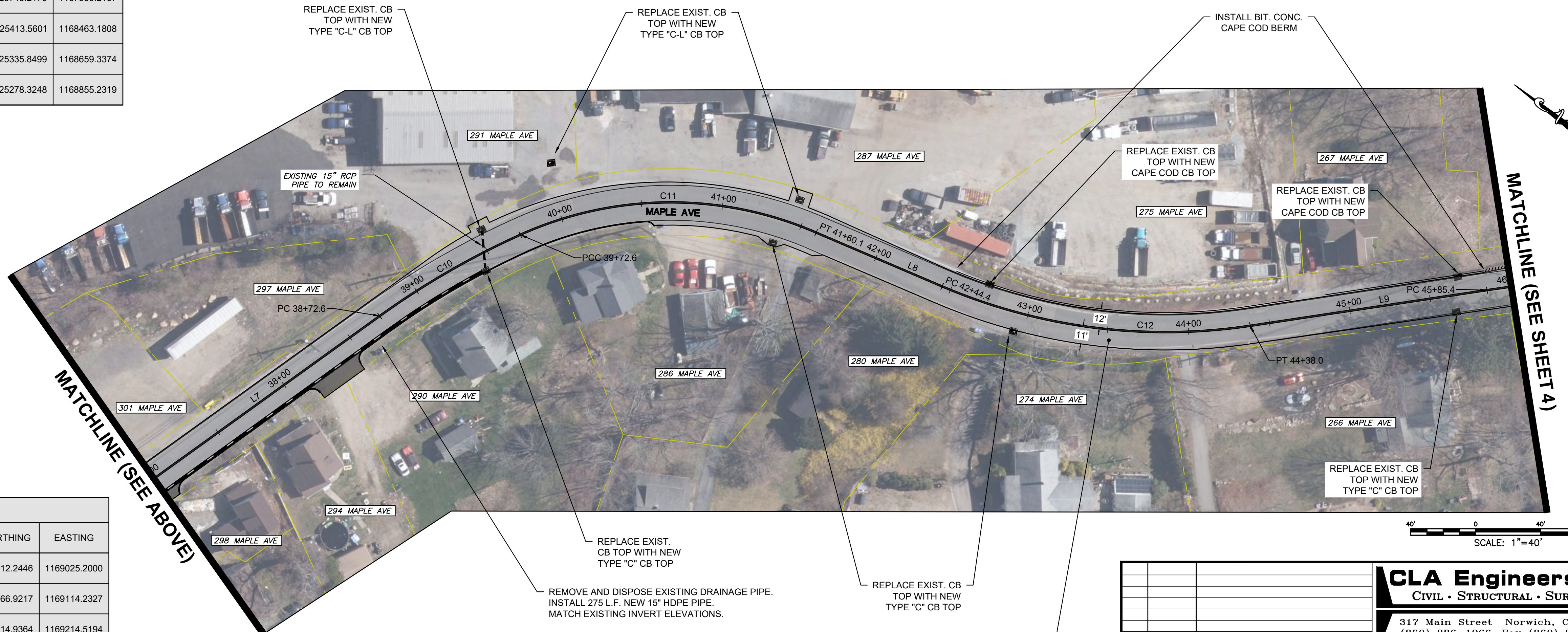


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		Project No. CLA-7928U Proj. Engineer D.P.H. Date: 06/09/26 Sheet No. <b>2</b>	TOWN OF MONTVILLE  MAPLE AVENUE (ROUTE 163 TO MONTVILLE DPW)  PLAN & PROFILE SHEET 1

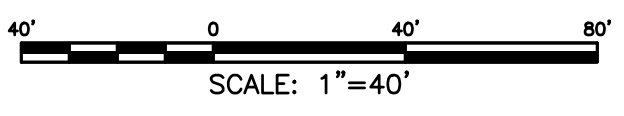


MAPLE AVE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C7	25+42.51	725802.7280	1167844.3757	R = 1000.00' Δ = 5°59'14" L = 104.50' T = 52.30'		26+47.01	725743.2179	1167930.2167
L6	26+47.01	725743.2179	1167930.2167		S58°15'42"E 626.68'	32+73.69	725413.5601	1168463.1808
C8	32+73.69	725413.5601	1168463.1808	R = 600.00' Δ = 20°15'12" L = 212.09' T = 107.16'		34+85.78	725335.8499	1168659.3374
C9	34+85.78	725335.8499	1168659.3374	R = 1200.00' Δ = 9°45'36" L = 204.41' T = 102.45'		36+90.19	725278.3248	1168855.2319

**RECLAMATION NOTES:**  
 FULL-DEPTH RECLAMATION BETWEEN STATION 32+50 AND STATION 46+00 SHALL BE PERFORMED AND NEW PAVEMENT INSTALLED TO EXISTING GRADES AND ELEVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING EXISTING GRADES AND ELEVATIONS ARE STAKED AND RECORDED PRIOR TO THE RECLAMATION PROCESS.



MAPLE AVE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L7	36+90.19	725278.3248	1168855.2319		S68°45'18"E 182.36'	38+72.55	725212.2446	1169025.2000
C10	38+72.55	725212.2446	1169025.2000	R = 500.00' Δ = 11°28'03" L = 100.07' T = 50.20'		39+72.62	725166.9217	1169114.2327
C11	39+72.62	725166.9217	1169114.2327	R = 225.00' Δ = 47°44'16" L = 187.47' T = 99.56'		41+60.09	725014.9364	1169214.5194
L8	41+60.09	725014.9364	1169214.5194		S9°51'37"E 84.33'	42+44.42	724931.8531	1169228.9605
C12	42+44.42	724931.8531	1169228.9605	R = 350.00' Δ = 31°41'12" L = 193.56' T = 99.33'		44+37.98	724759.6573	1169311.8465
L9	44+37.98	724759.6573	1169311.8465		S41°32'50"E 147.40'	45+85.38	724649.3416	1169409.6073



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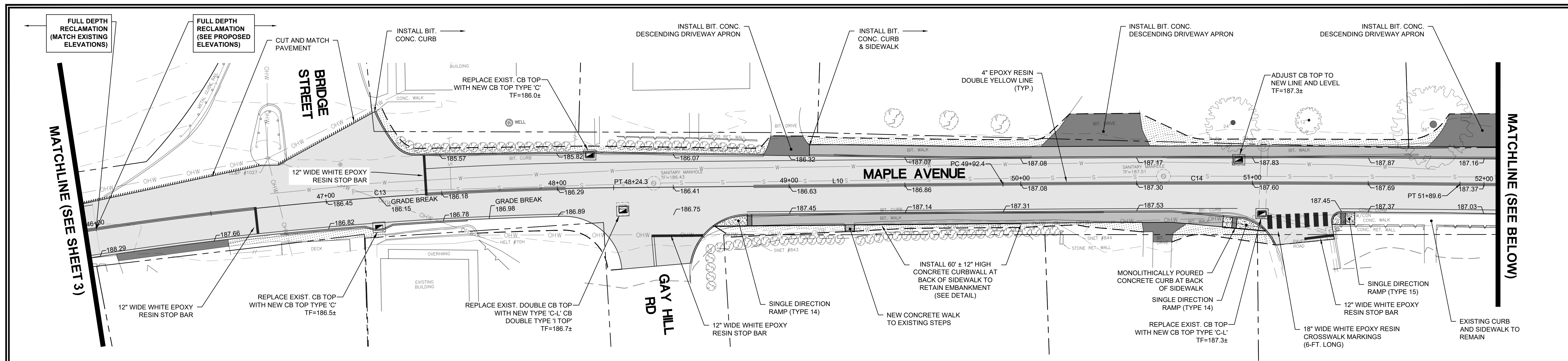
Project No. CLA-7928U  
 Proj. Engineer D.P.H.  
 Date: 06/09/26  
 Sheet No. 3

No.	DATE	REVISION

**TOWN OF MONTVILLE**

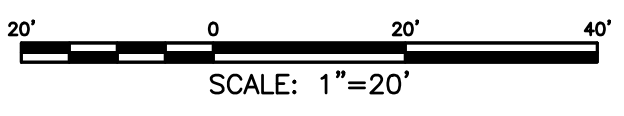
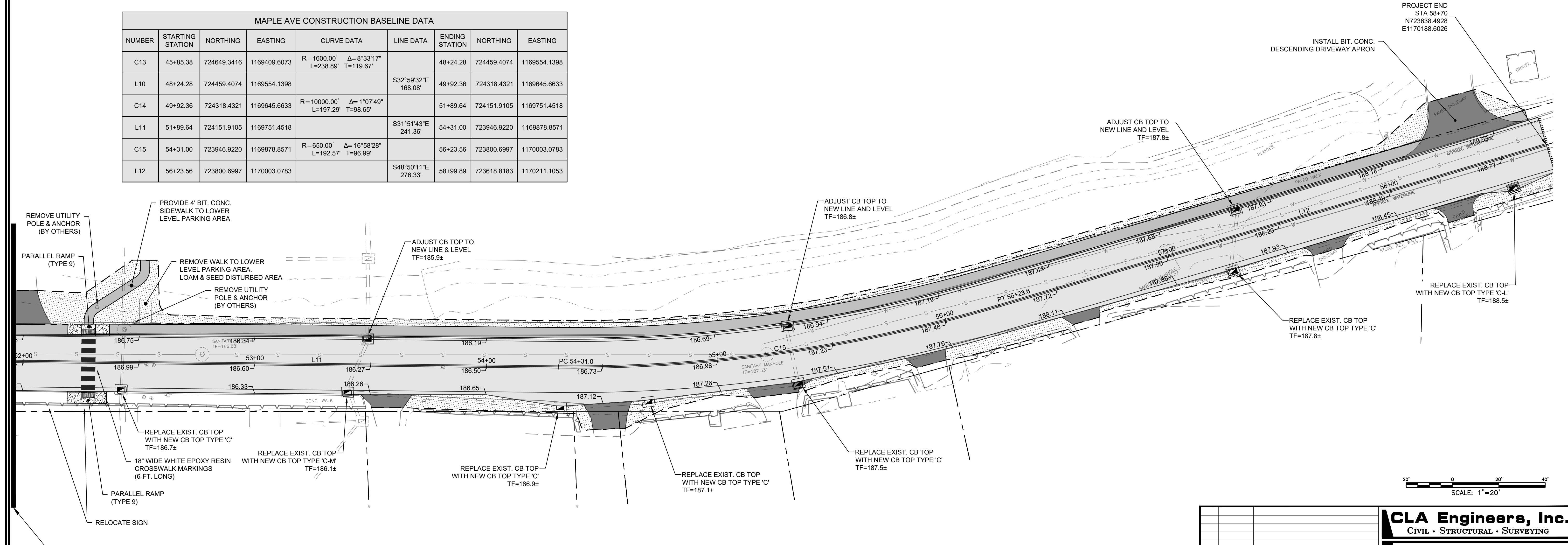
**MAPLE AVENUE**  
 (ROUTE 163 TO MONTVILLE DPW)

**PLAN & PROFILE SHEET 2**



**MAPLE AVE CONSTRUCTION BASELINE DATA**

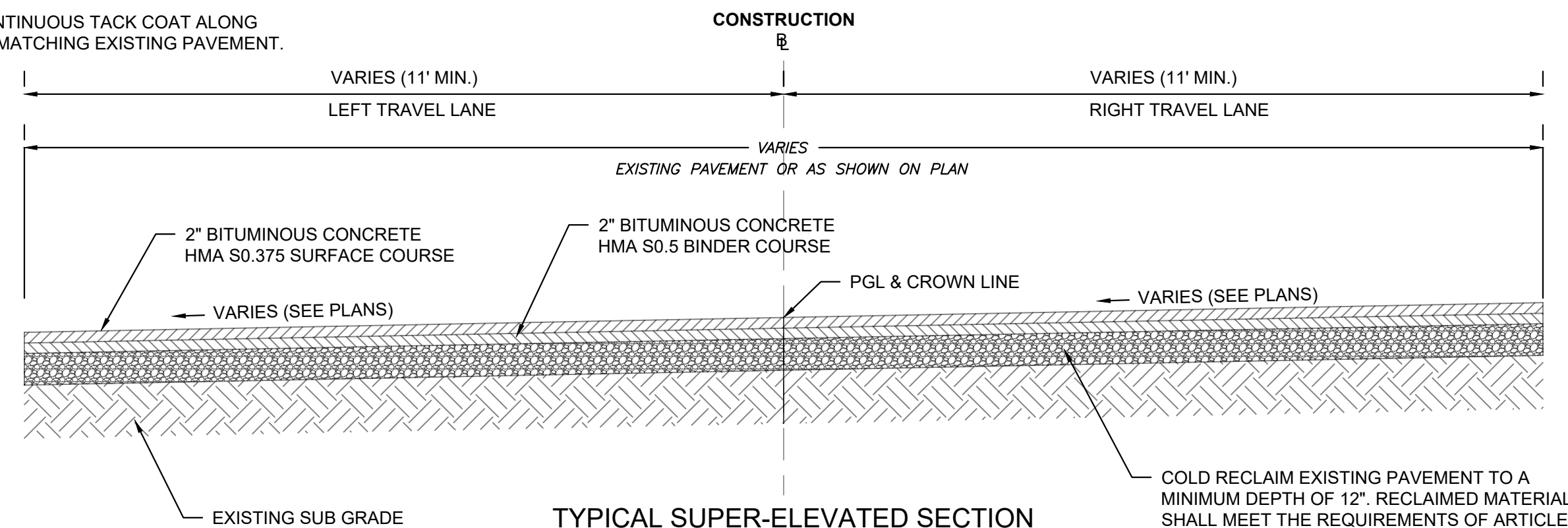
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C13	45+85.38	724649.3416	1169409.6073	R = 1600.00 Δ = 8°33'17" L = 238.89 T = 119.67		48+24.28	724459.4074	1169554.1398
L10	48+24.28	724459.4074	1169554.1398		S32°59'32"E 168.08'	49+92.36	724318.4321	1169645.6633
C14	49+92.36	724318.4321	1169645.6633	R = 10000.00 Δ = 1°07'49" L = 197.29 T = 98.65'		51+89.64	724151.9105	1169751.4518
L11	51+89.64	724151.9105	1169751.4518		S31°51'43"E 241.36'	54+31.00	723946.9220	1169878.8571
C15	54+31.00	723946.9220	1169878.8571	R = 650.00 Δ = 16°58'28" L = 192.57 T = 96.99'		56+23.56	723800.6997	1170003.0783
L12	56+23.56	723800.6997	1170003.0783		S48°50'11"E 276.33'	58+99.89	723618.8183	1170211.1053



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<b>TOWN OF MONTVILLE</b>  <b>MAPLE AVENUE</b> (ROUTE 163 TO MONTVILLE DPW)			Proj. Engineer D.P.H.
<b>PLAN &amp; PROFILE SHEET 3</b>		Date: 06/09/26	Sheet No. <b>4</b>

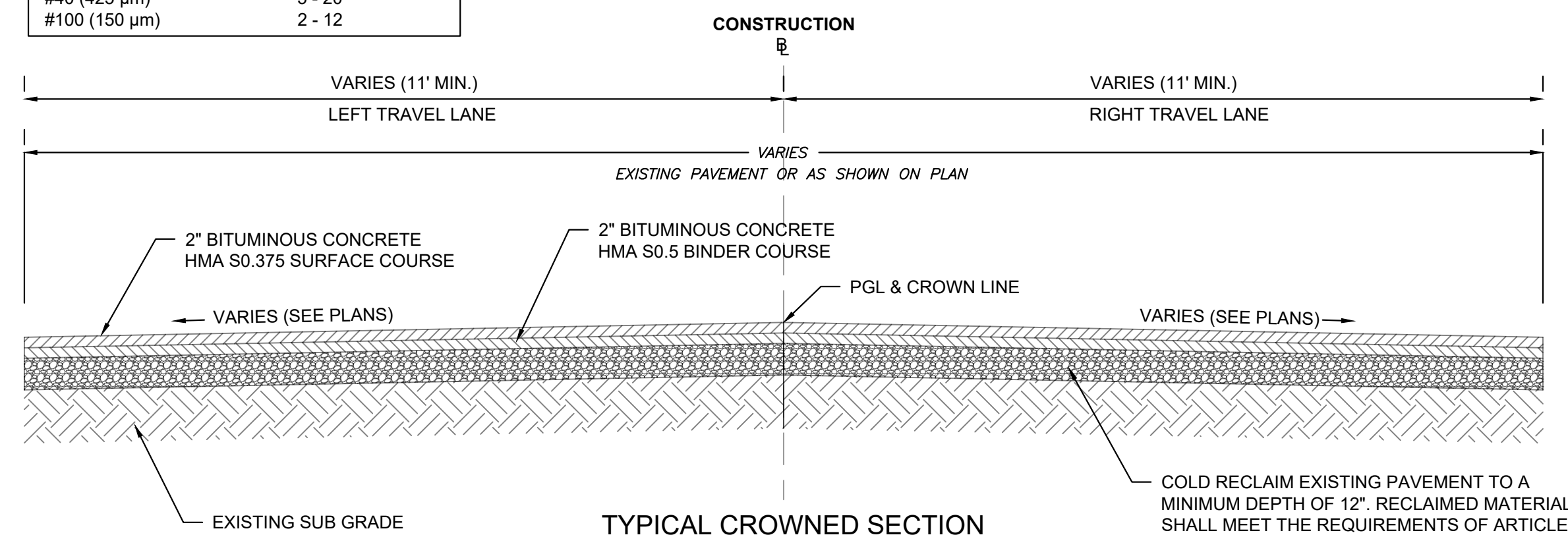
**NOTES:**

1. PROVIDE CONTINUOUS TACK COAT ALONG EDGE WHEN MATCHING EXISTING PAVEMENT.



**TYPICAL SUPER-ELEVATED SECTION**  
SEE ROAD REHABILITATION NOTE FOR LIMITS  
(FULL-DEPTH RECLAMATION)  
SCALE: 1" = 2'

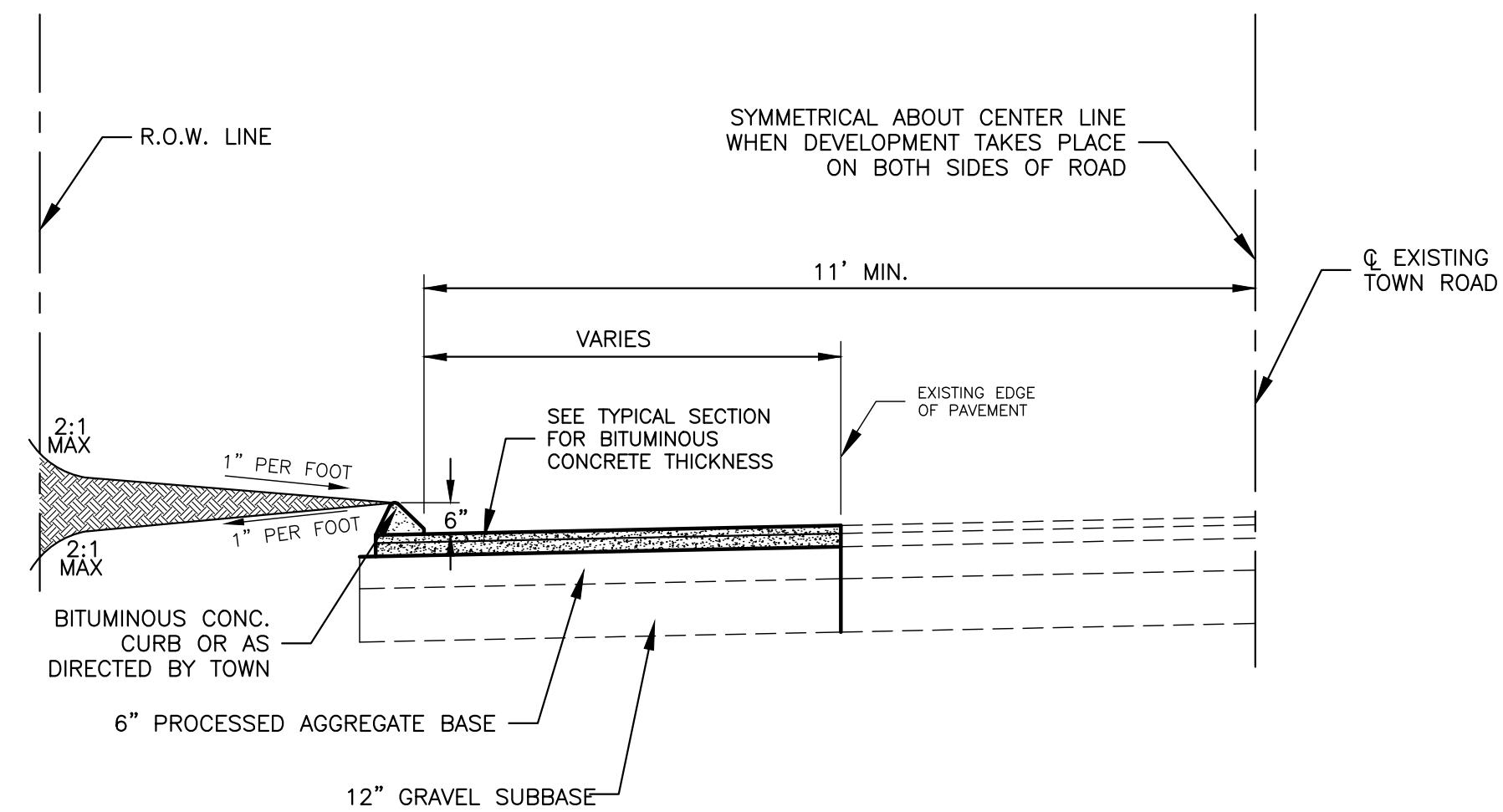
RECLAIMED BASE MATERIAL GRADATION	
Square Mesh Sieve Size	% Passing by Mass
2 1/2 inches (63 mm)	100
2 inches (50 mm)	95 - 100
3/4 inch (19 mm)	50 - 75
1/2 inch (6.3 mm)	25 - 45
#40 (425 μm)	5 - 20
#100 (150 μm)	2 - 12



**TYPICAL CROWNED SECTION**  
SEE ROAD REHABILITATION NOTE FOR LIMITS  
(FULL-DEPTH RECLAMATION)  
SCALE: 1" = 2'

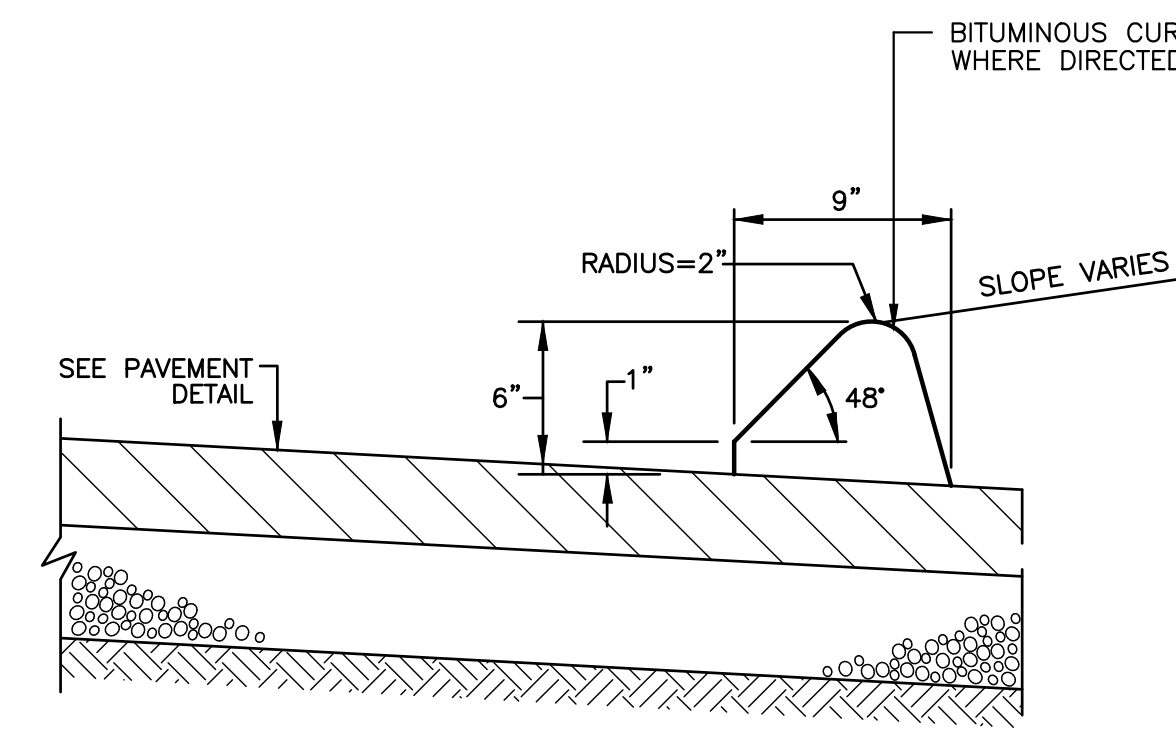
**ROAD REHABILITATION NOTES:**

- STN. 0+30 TO STN. 32+50 - 2" MILL AND OVERLAY.
- STN. 32+50 TO STN. 47+00 - FULL-DEPTH RECLAMATION (MATCH EXISTING ELEVATIONS).
- STN. 47+00 TO STN. 50+50 - FULL-DEPTH RECLAMATION (SUPER-ELEVATED SECTION TO ELEVATIONS ON PLAN)
- STN. 50+50 TO STN. 51+00 - FULL-DEPTH RECLAMATION (TRANSITION FROM SUPER-ELEVATED SECTION TO CROWNED SECTION TO ELEVATIONS ON PLAN)
- STN. 51+00 TO STN. 53+50 - FULL-DEPTH RECLAMATION (CROWNED SECTION TO ELEVATIONS ON PLAN)
- STN. 53+50 TO STN. 54+25 - FULL-DEPTH RECLAMATION (TRANSITION FROM CROWNED SECTION TO SUPER-ELEVATED SECTION TO ELEVATIONS ON PLAN)
- STN. 54+25 TO STN. 56+50 - FULL-DEPTH RECLAMATION (SUPER-ELEVATED SECTION TO ELEVATIONS ON PLAN)
- STN. 56+50 TO STN. 57+25 - FULL-DEPTH RECLAMATION (TRANSITION FROM SUPER-ELEVATED SECTION TO CROWNED SECTION TO ELEVATIONS ON PLAN)
- STN. 57+25 TO STN. 58+70 - FULL-DEPTH RECLAMATION (CROWNED SECTION TO ELEVATIONS ON PLAN)

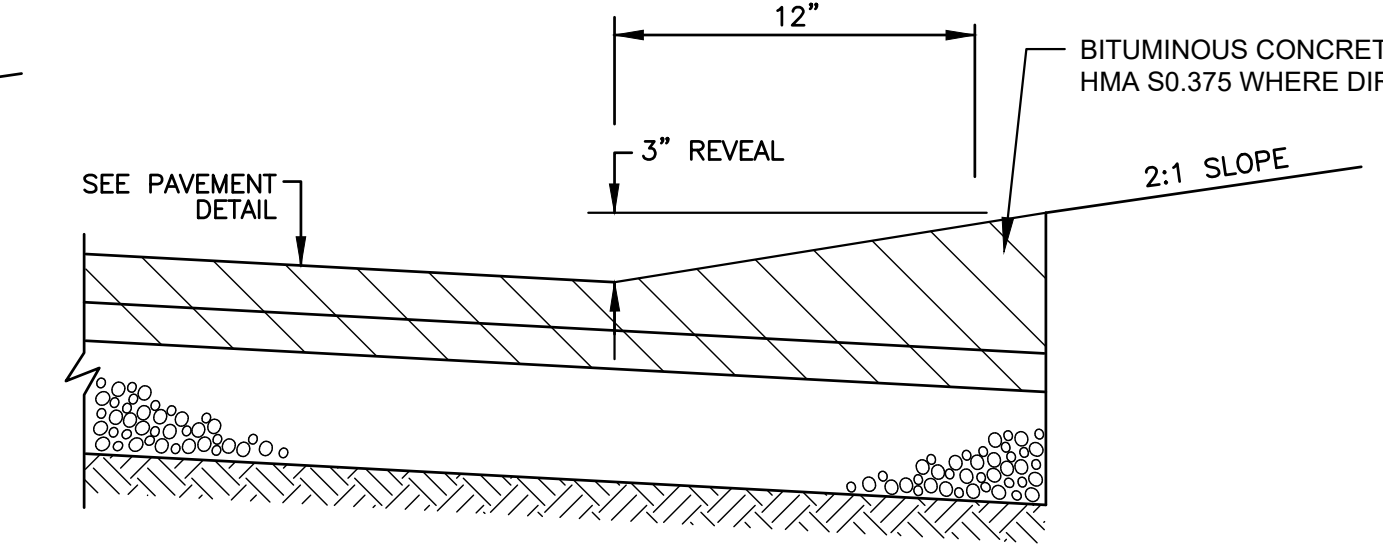


**PAVEMENT RECONSTRUCTION & WIDENING DETAIL**  
NOT TO SCALE

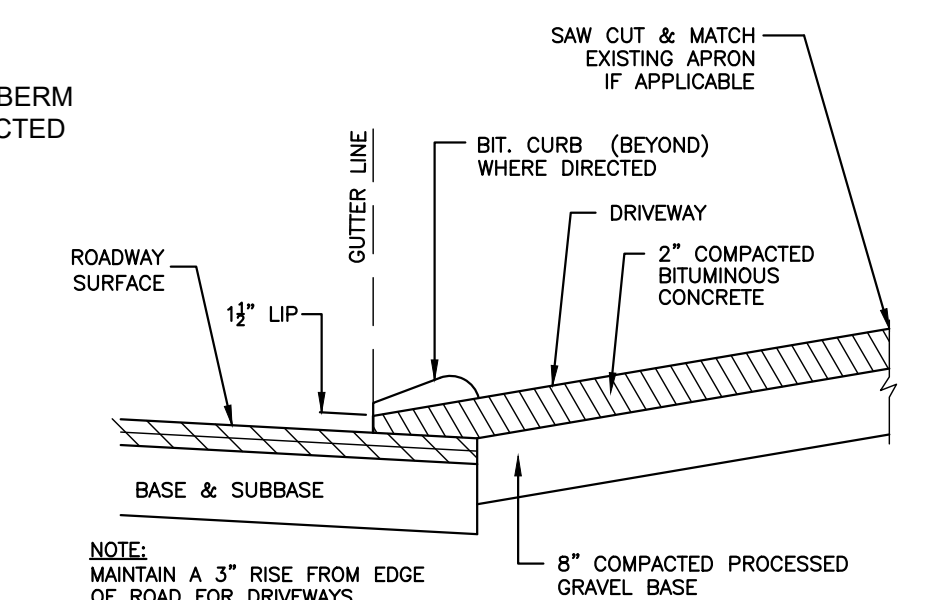
- NOTES:**
1. ALL MATERIAL THICKNESS ARE COMPACTED DEPTH.
  2. IF BASE COURSE IS LEFT AS TOP COURSE FOR AN EXTENDED PERIOD, THE DIR. OF PUB. WORKS MAY REQUIRE THAT A TACK COAT OF BITUMINOUS MATERIAL BE APPLIED BEFORE LAYING THE BITUMINOUS CONCRETE SURFACE COURSE.
  3. SUBBASE DEPTH SHALL BE INCREASED TO 18 INCHES WHERE LEDGE ROCK IS ENCOUNTERED.



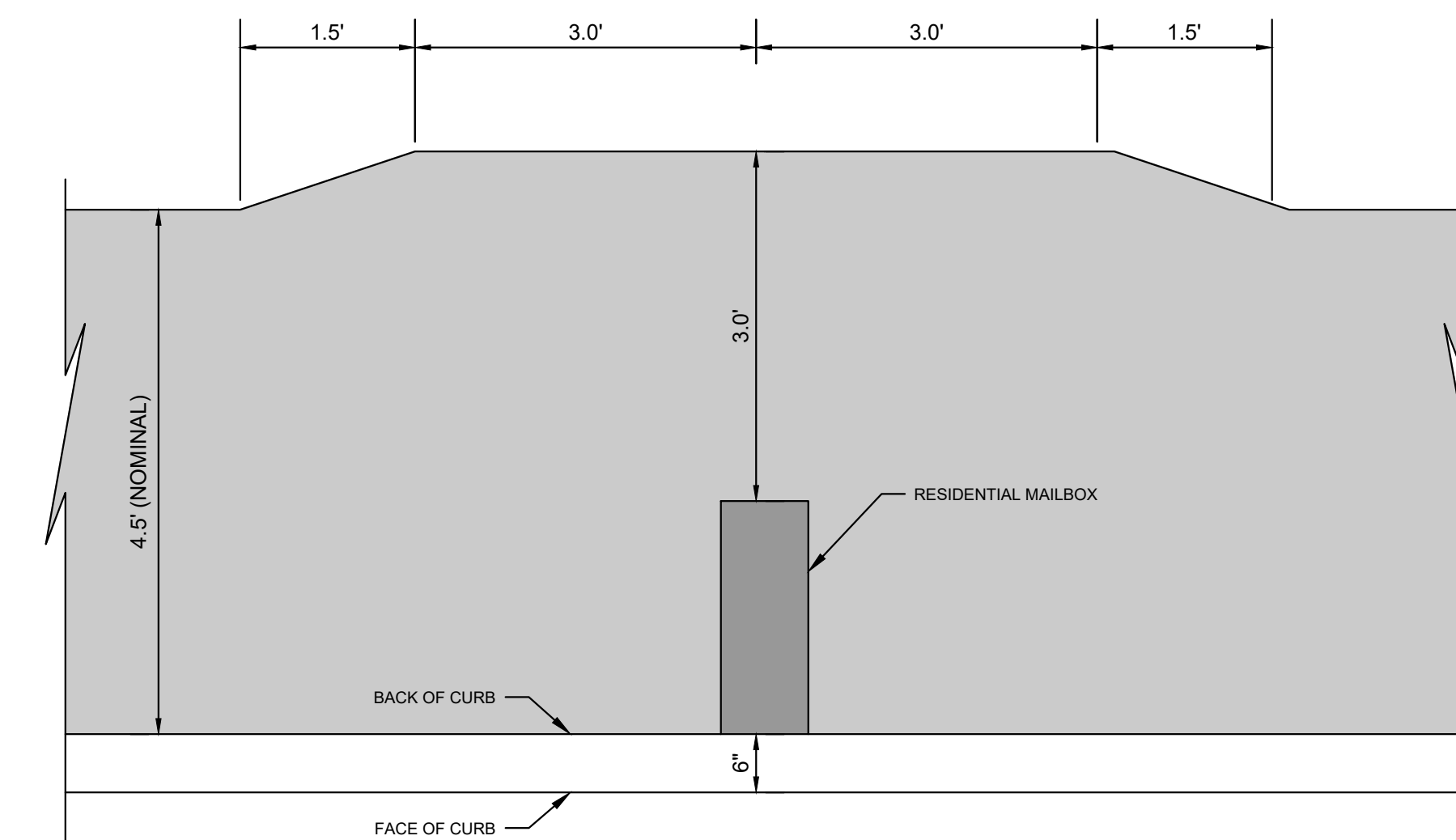
**BITUMINOUS CONCRETE CURB DETAIL (6" HIGH)**  
NOT TO SCALE



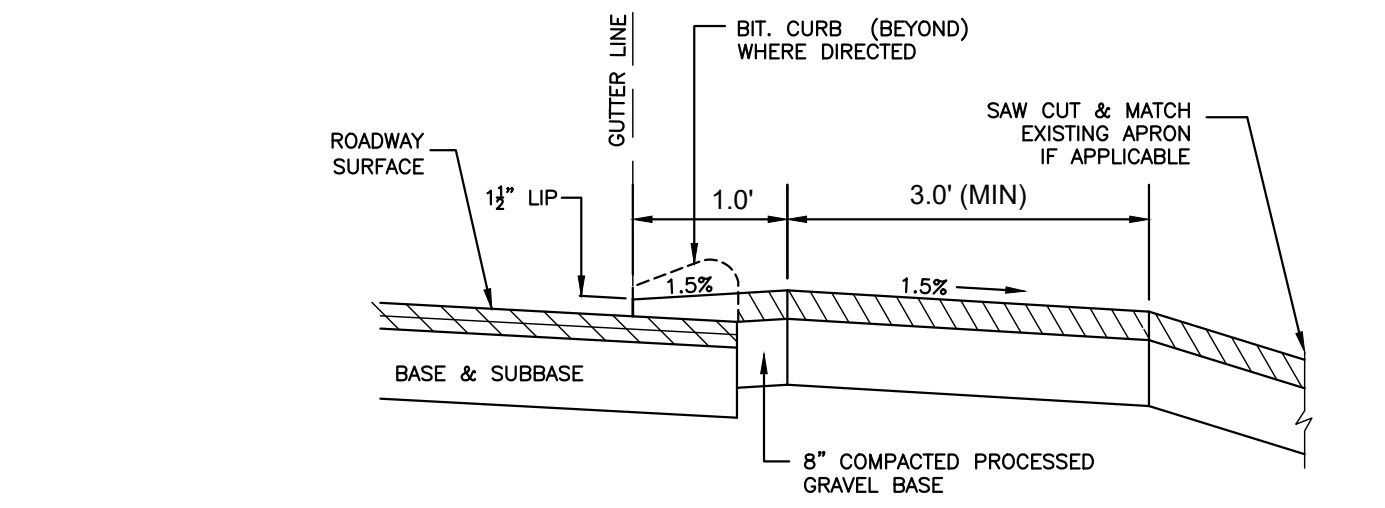
**BITUMINOUS BERM DETAIL**  
NOT TO SCALE



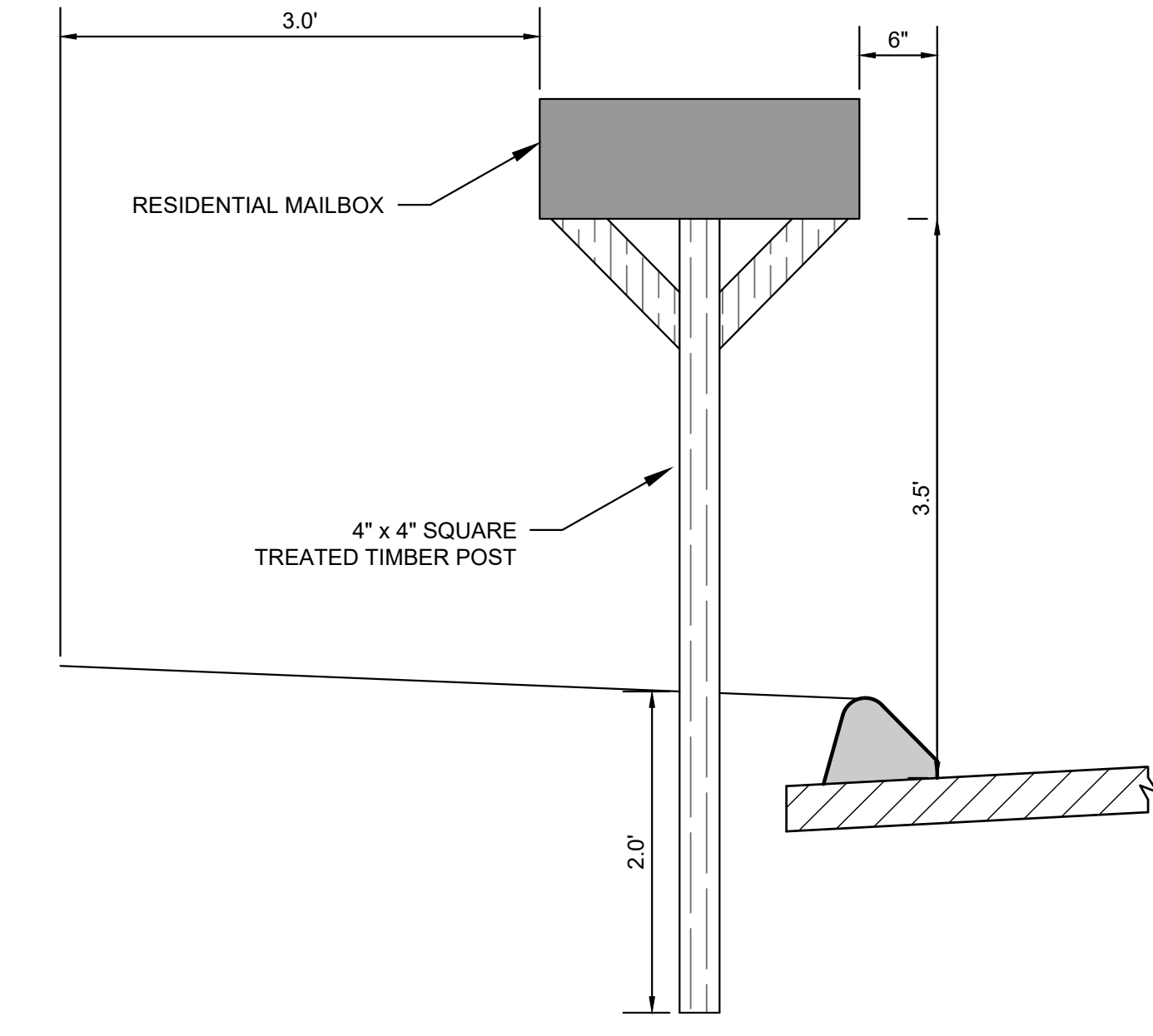
**BITUMINOUS CONCRETE DRIVEWAY APRON**  
NOT TO SCALE



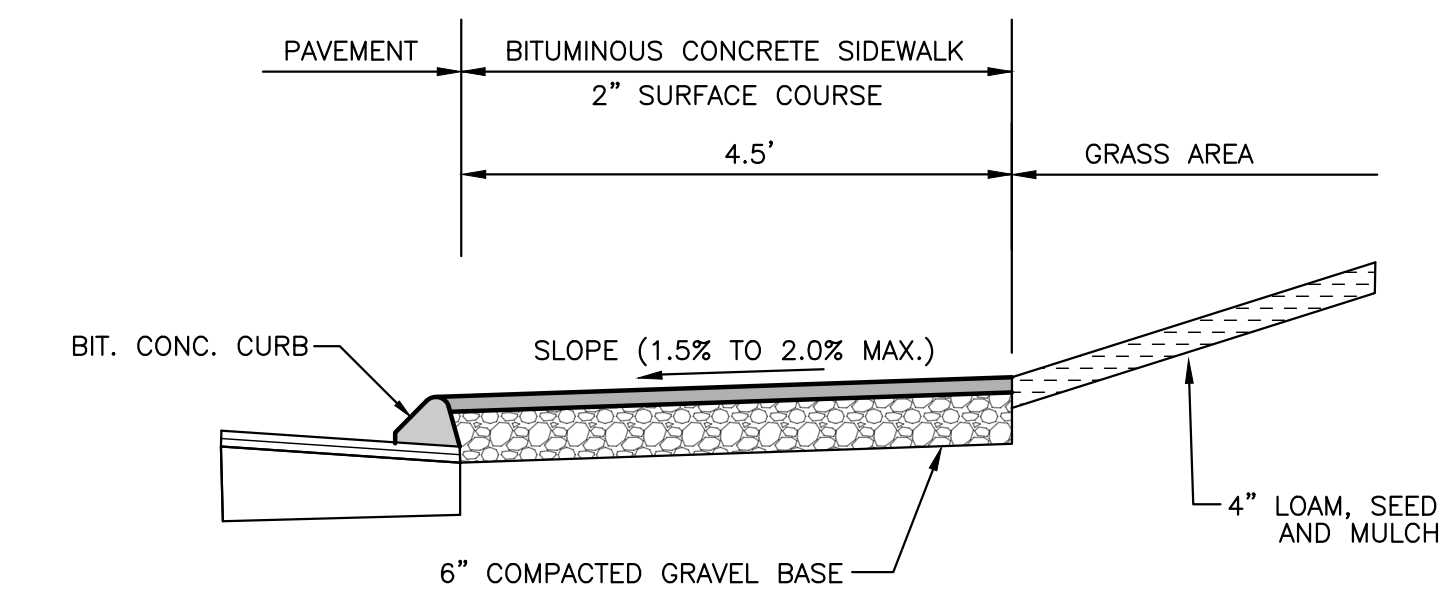
**CURB MAILBOX PLAN LAYOUT**  
NOT TO SCALE



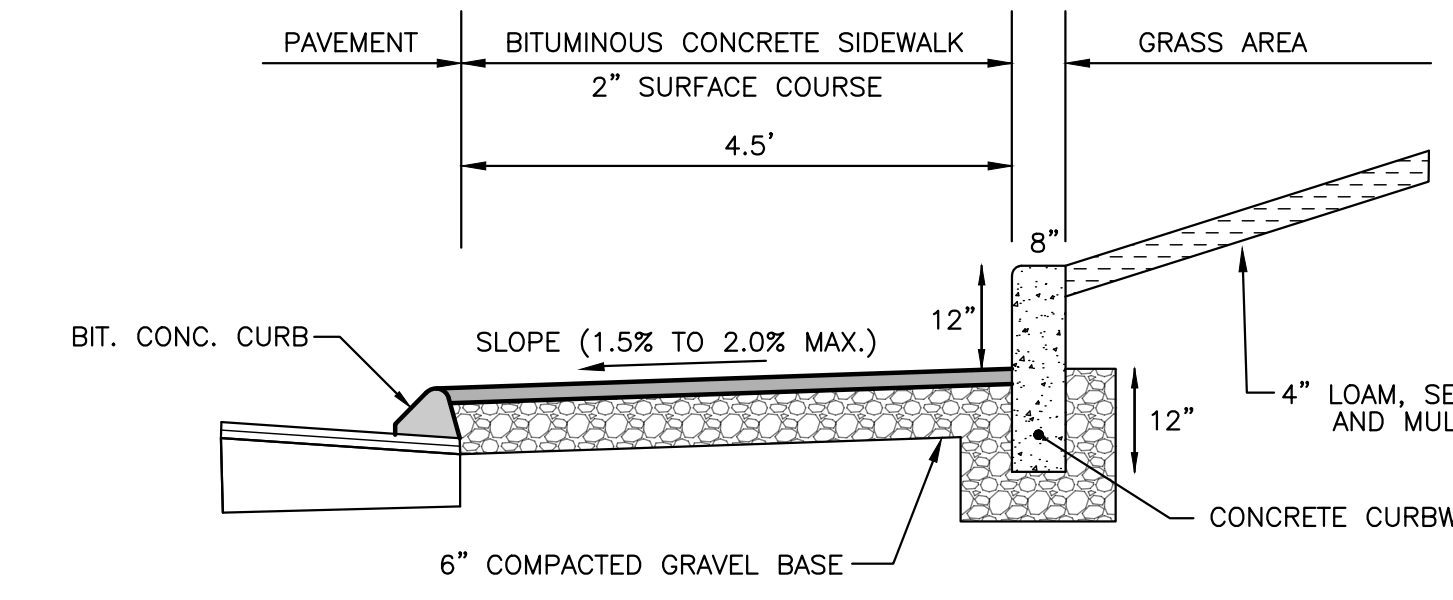
**BITUMINOUS CONCRETE SIDEWALK ACROSS DESCENDING DRIVEWAY**  
NOT TO SCALE



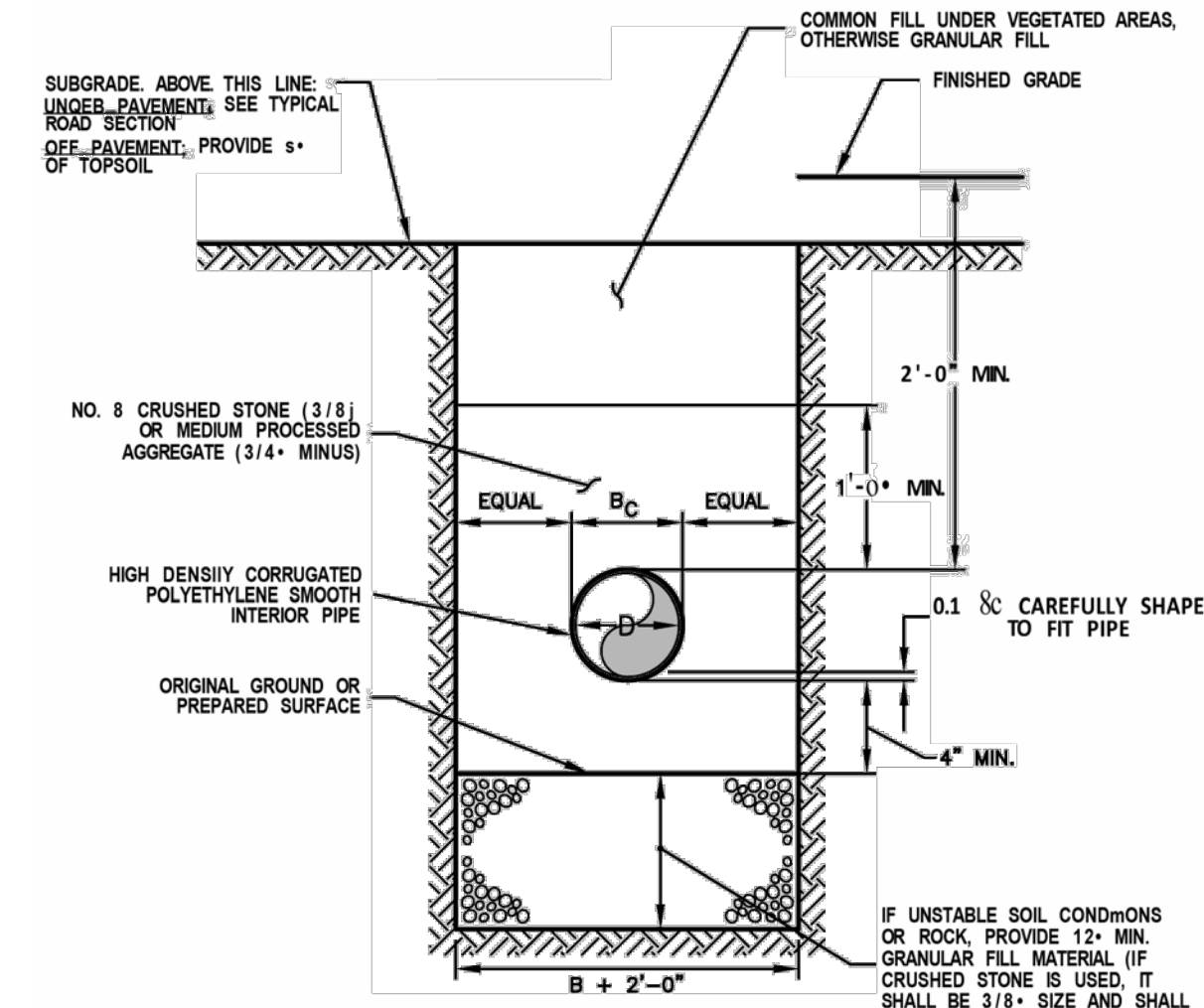
**CURB MAILBOX SECTION LAYOUT**  
NOT TO SCALE



**BIT. CONC. SIDEWALK DETAIL**  
NOT TO SCALE



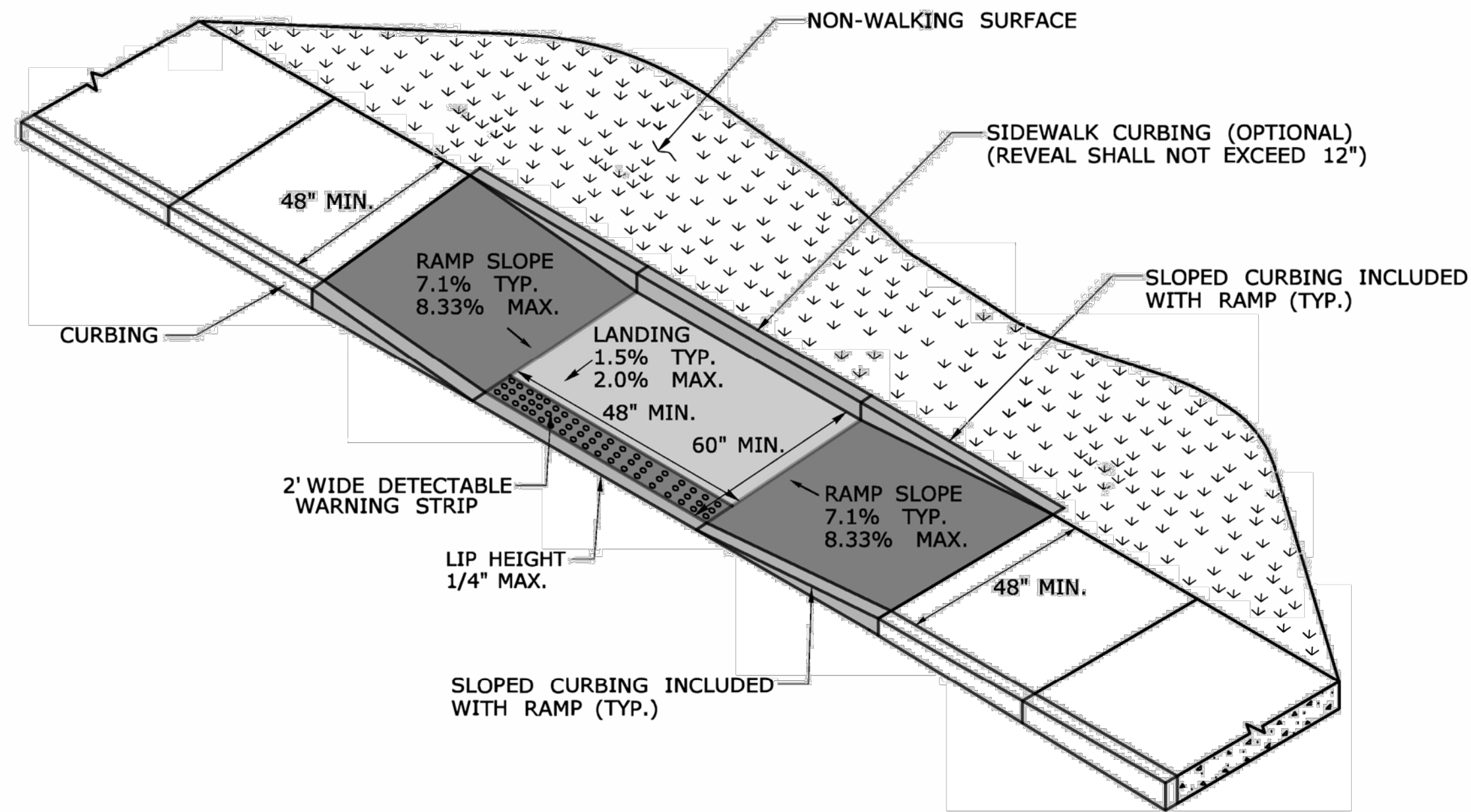
**BIT. CONC. SIDEWALK AND CURB WALL DETAIL**  
NOT TO SCALE



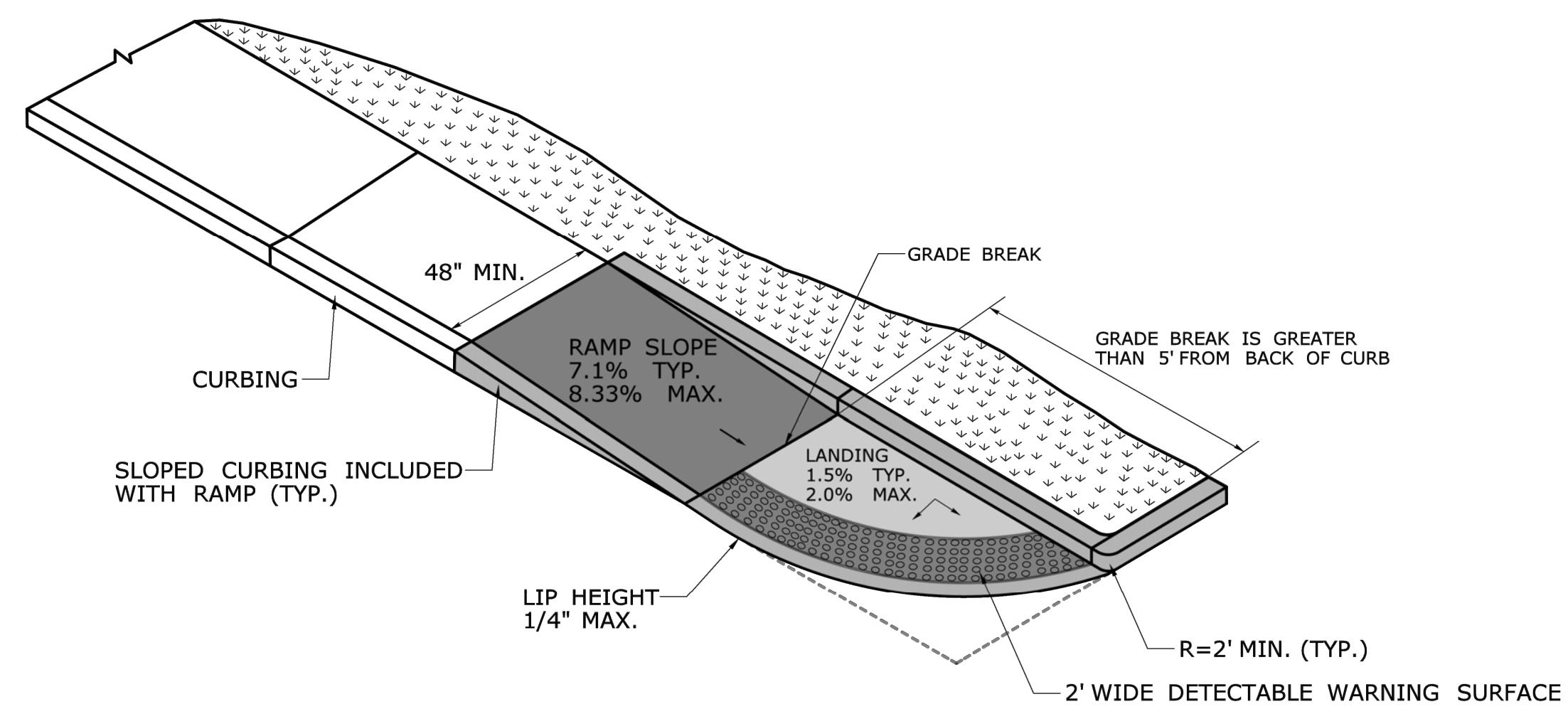
**STORM TRENCH DETAIL**  
HIGH DENSITY CORRUGATE POLYETHYLENE SMOOTH INTERIOR PIPE (HDPE)

- NOTE:**
1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.

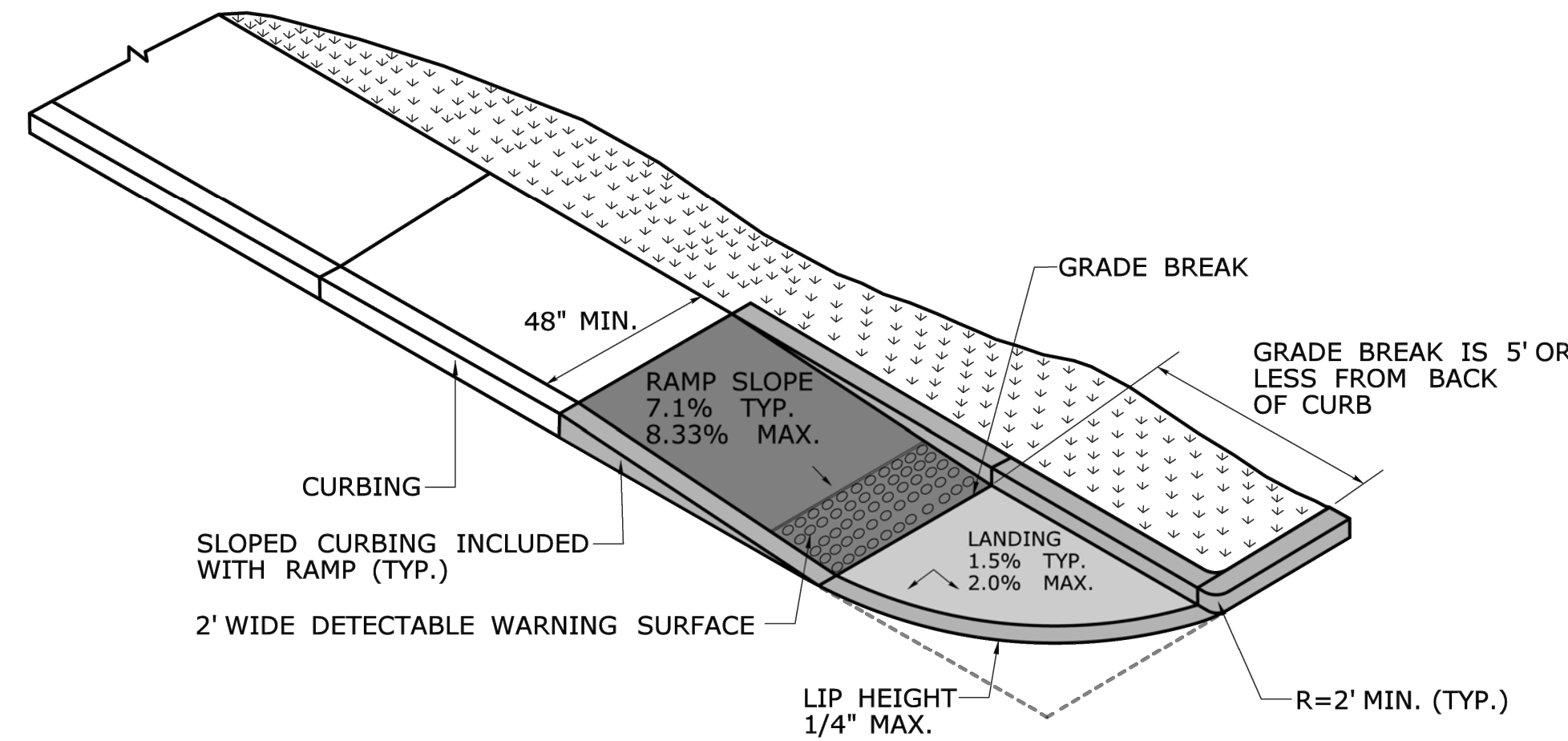
		<b>CLA Engineers, Inc.</b> CIVIL • STRUCTURAL • SURVEYING 317 Main Street Norwich, CT 06360 (860) 886-1066 Fax (860) 886-9165	
		Project No. CLA-7928U Proj. Engineer D.P.H. Date: 06/09/26 Sheet No.	TOWN OF MONTVILLE MAPLE AVENUE (ROUTE 163 TO MONTVILLE DPW) CONSTRUCTION DETAILS 1 OF 2



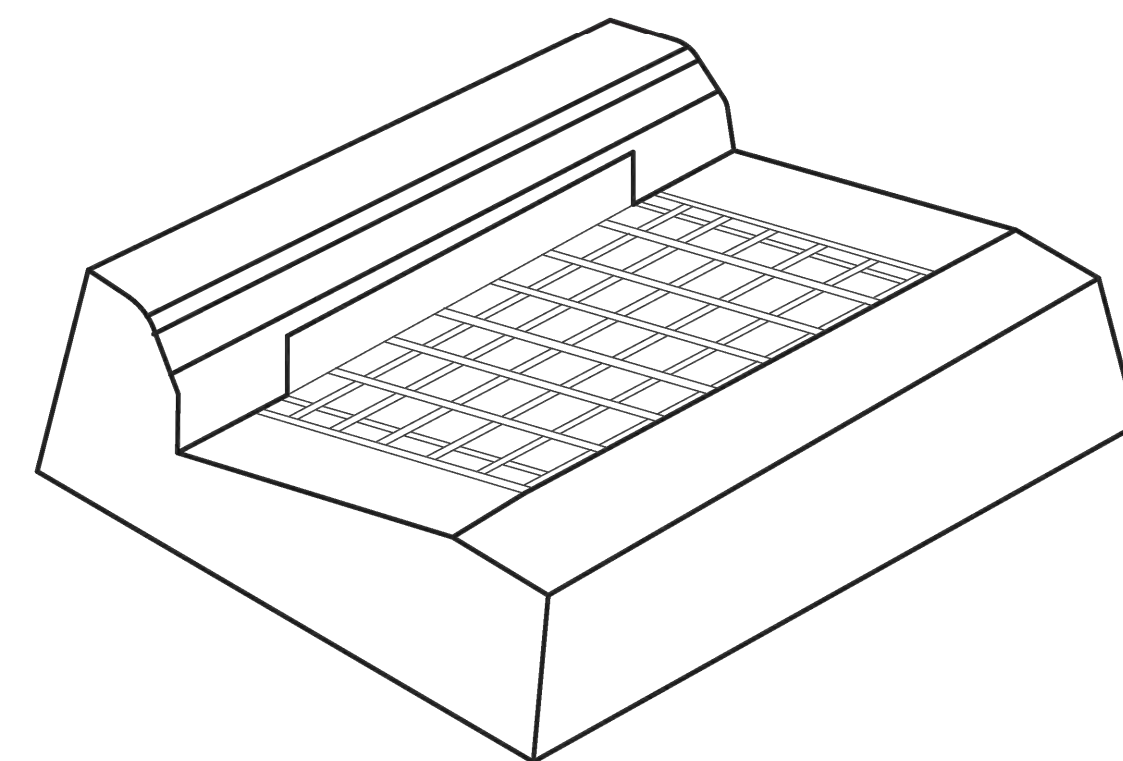
**PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)**



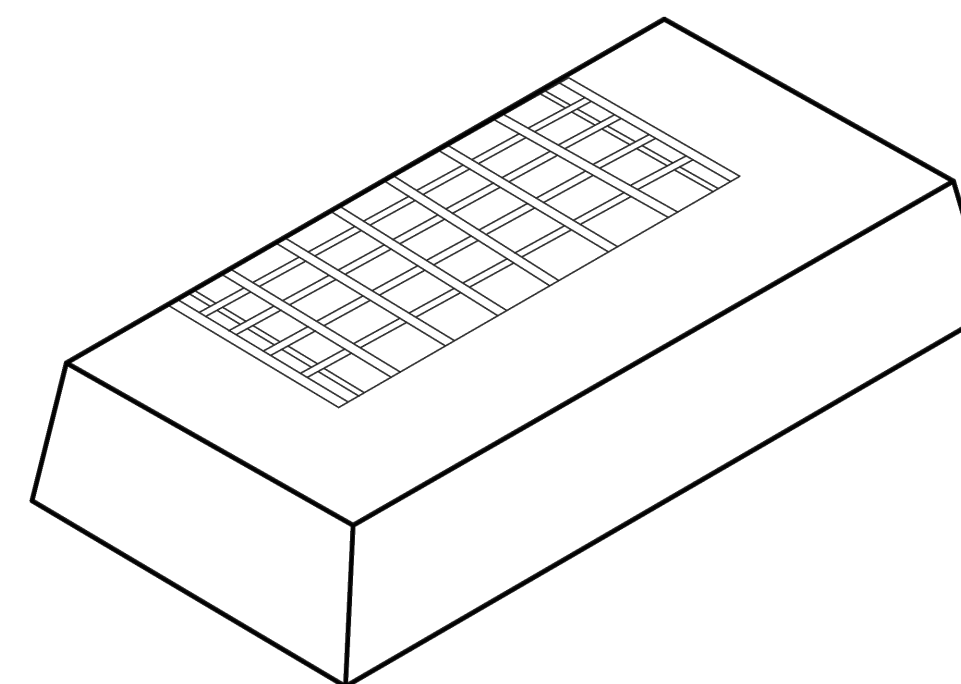
**SINGLE DIRECTION RAMP WITHOUT NON-WALKING SURFACE GRADE BREAK GREATER THAN 5' (TYPE 14)**



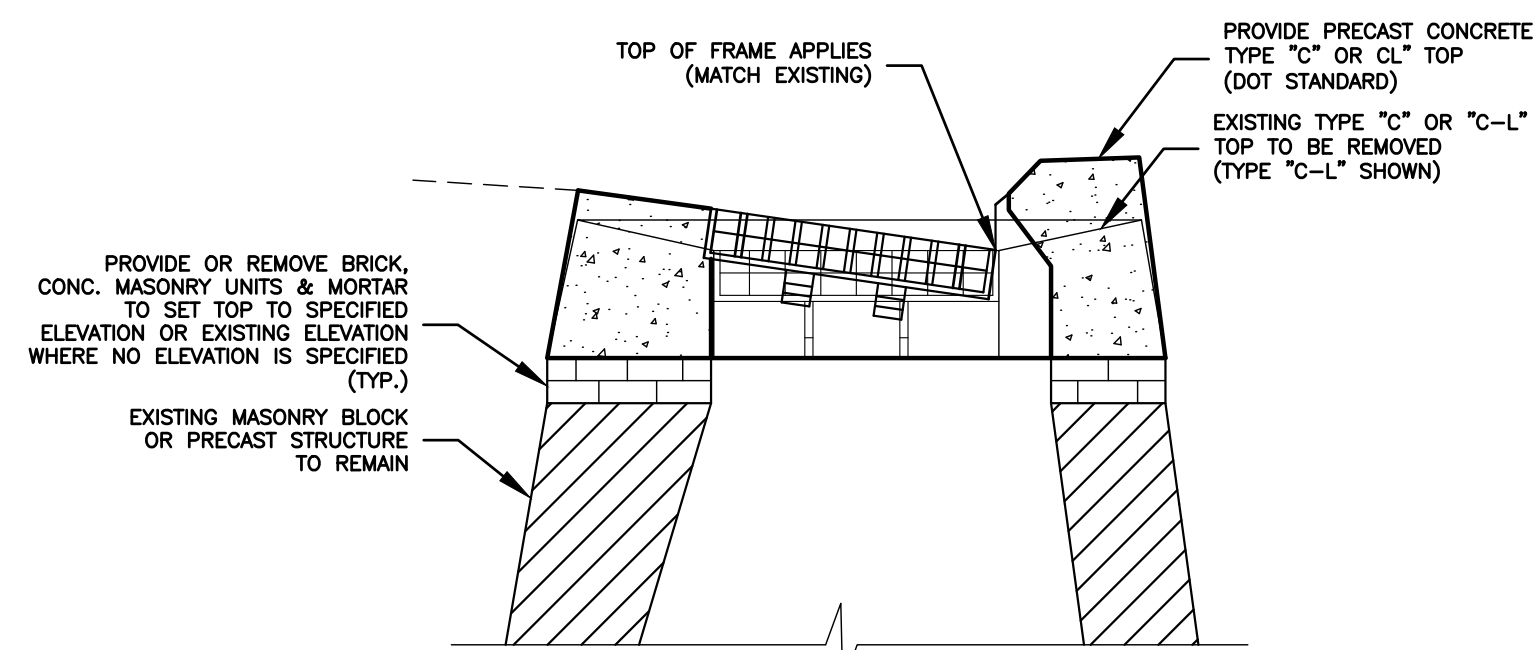
**SINGLE DIRECTION RAMP WITHOUT NON-WALKING SURFACE GRADE BREAK 5' OR LESS (TYPE 15)**



**TYPE "C" CATCH BASIN TOP**



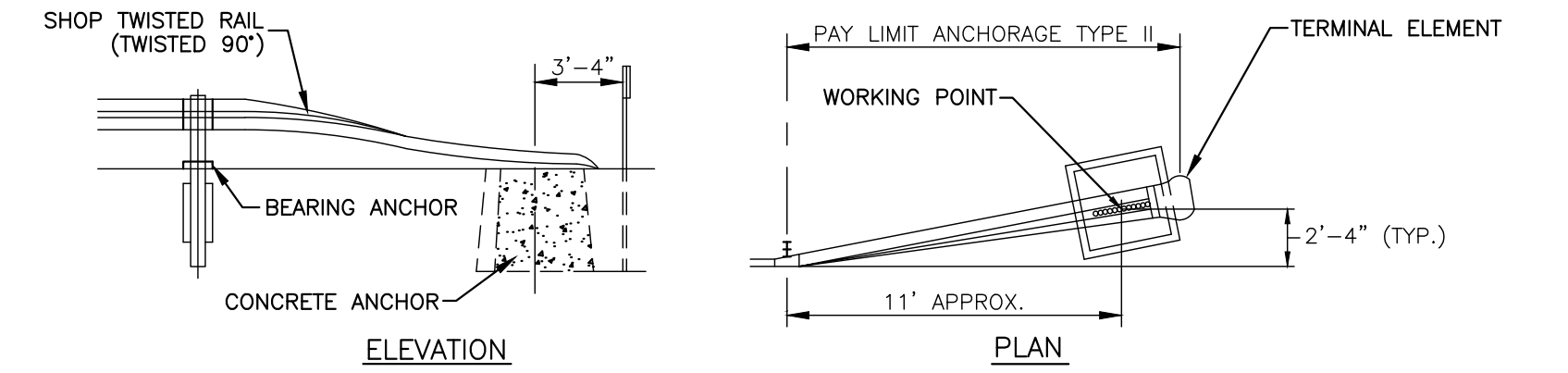
**TYPE "C-M" BARRIER CURB CATCH BASIN TOP**



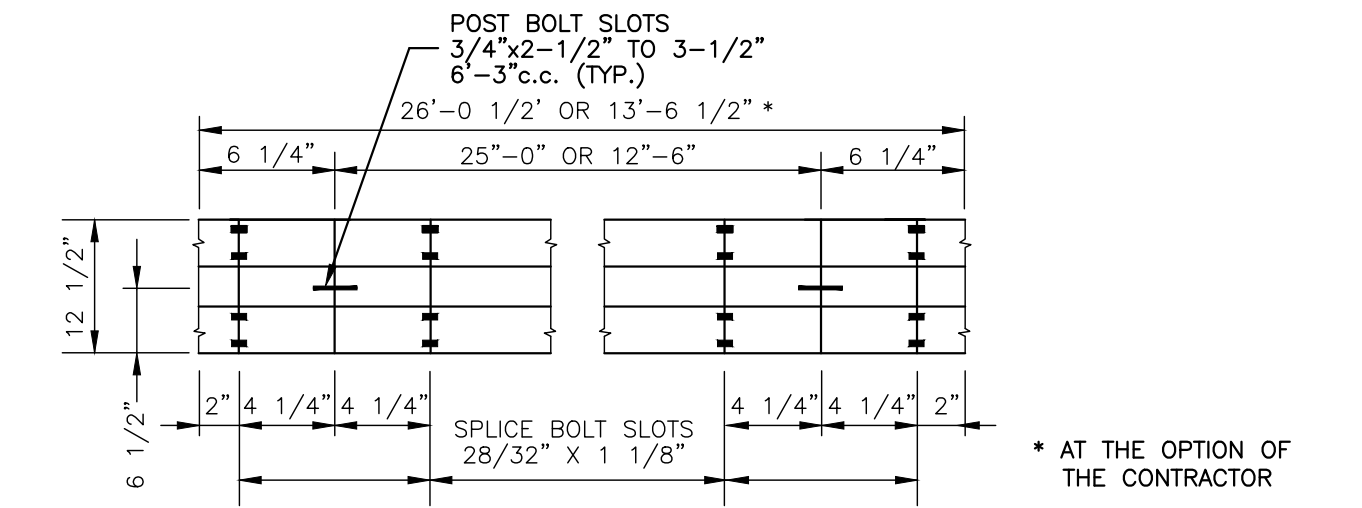
**CATCH BASIN TOP REPLACEMENT DETAIL**  
NOT TO SCALE

**TYPE "C-L" CATCH BASIN TOP**

- CATCH BASIN REPLACEMENT NOTES:**
- CATCH BASIN TYPE "C" AND "C-L" TOPS SHALL BE IN ACCORDANCE WITH CT DOT STANDARD DETAIL HW-0586-07A FOR SINGLE CATCH BASINS AND HW-0586-07B FOR DOUBLE CATCH BASINS.
  - CATCH BASIN TYPE "C-M" TOPS SHALL BE IN ACCORDANCE WITH CT DOT STANDARD DETAIL HW-586\_07D.
  - FRAMES AND GRATES SHALL BE GALVANIZED STEEL TYPE "A" IN ACCORDANCE WITH CT DOT STANDARD DETAIL HW-586-08.

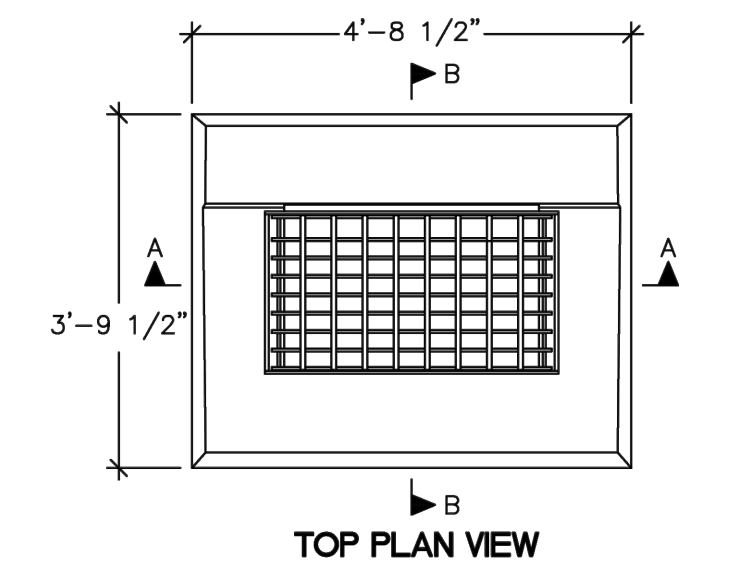


**R-B END ANCHORAGE - TYPE II**

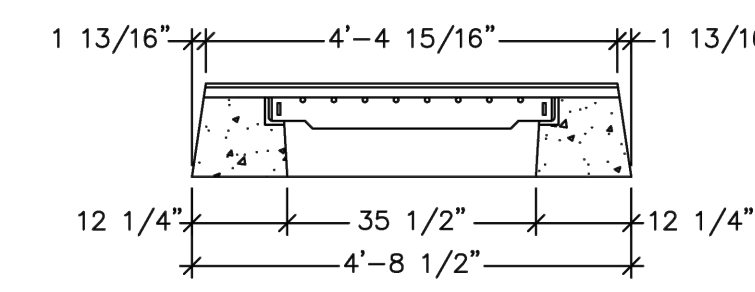


**TYPICAL RAIL ELEMENT (GALVANIZED)**

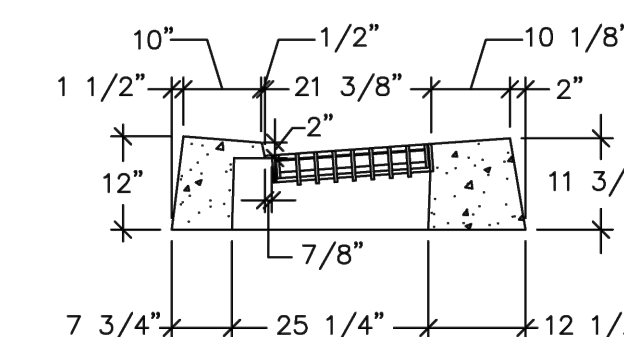
CLASS A (12 GA.)



**TOP PLAN VIEW**



**SECTION A-A**



**SECTION B-B**

DESIGN CONFORMS TO STATE AND LOCAL SPECIFICATIONS.

**DESIGN NOTES:**

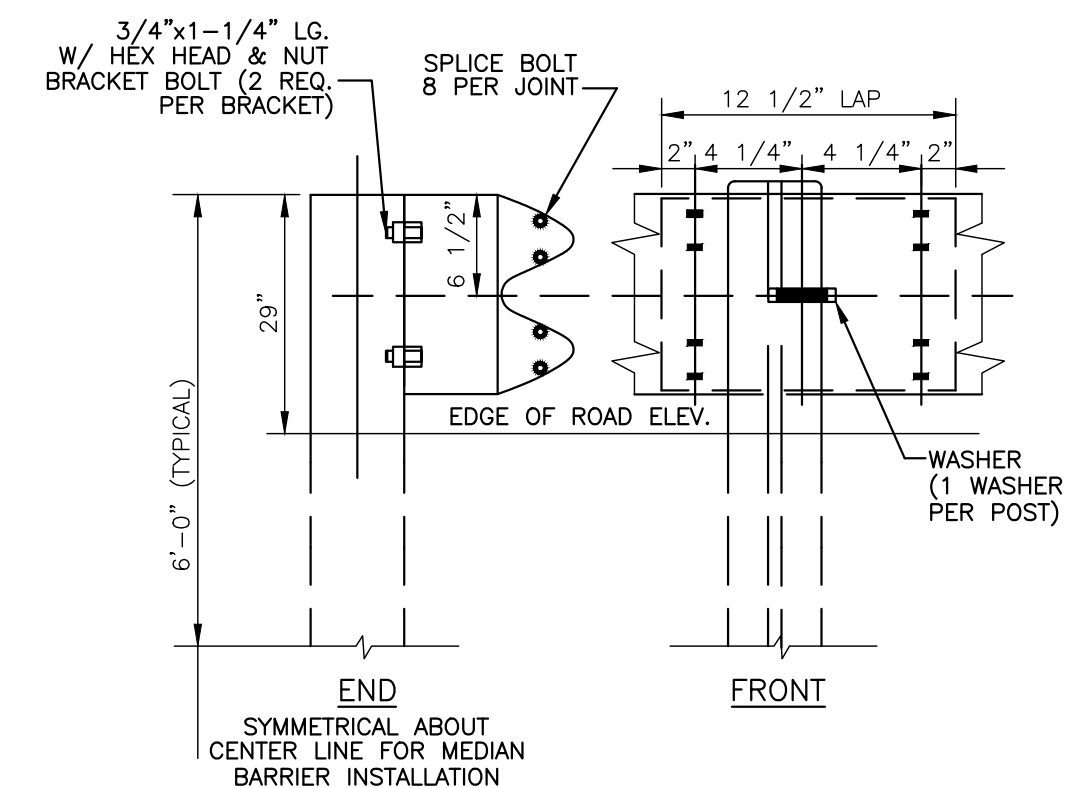
- REINFORCING STEEL CONFORMS TO LATEST ASTM SPECIFICATION A185.
- CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
- METHOD OF MANUFACTURE: WET CAST.
- SECTION IS MONOLITHIC.

**WEIGHT CHART**

PRODUCT	APPROX WEIGHT
CAPE COD CURB TOP	1400 LBS.

**CAPE COD BERM CATCH BASIN TOP**

NOT TO SCALE  
(NOTES & DETAIL FROM UNITED CONCRETE)



**NOTES:**

- INSTALLATION OF RAIL AND ANCHORAGES TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF CT DOT.
- METAL BEAM RAIL TO BE DOT TYPE RB-350 PER DOT SPECIFICATIONS.
- PROVIDE RB-TYPE II END ANCHORAGES PER DOT SPECIFICATIONS.

**METAL BEAM RAIL AND END ANCHORAGE**

NOT TO SCALE

No.	DATE	REVISION

**CLA Engineers, Inc.**  
Civil • Structural • Surveying  
317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

<p><b>TOWN OF MONTVILLE</b>  MAPLE AVENUE (ROUTE 163 TO MONTVILLE DPW)</p>	<p>Project No. CLA-7928U Proj. Engineer D.P.H. Date: 06/09/26 Sheet No. <b>6</b></p>
<p><b>CONSTRUCTION DETAILS 2 OF 2</b></p>	