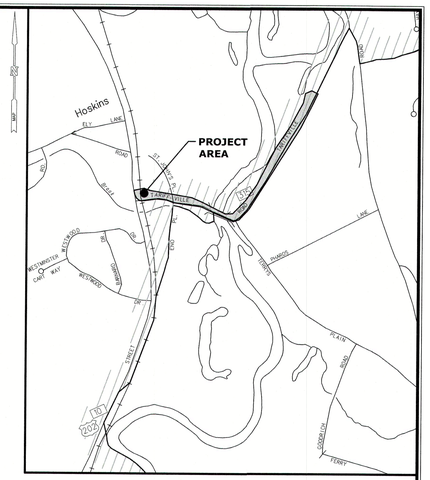
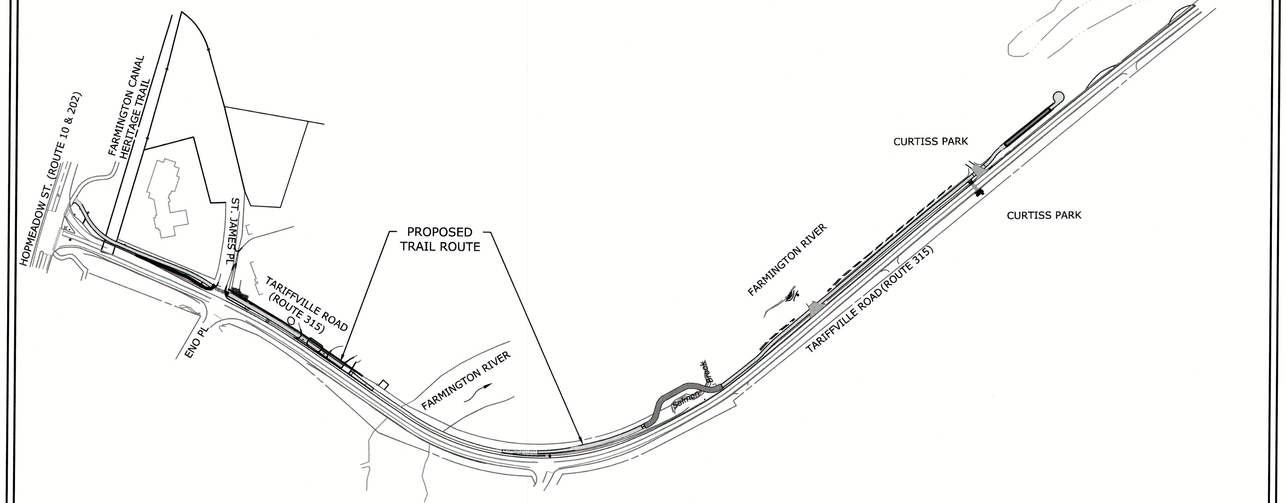
TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST. (RT.10 & 202) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315) SIMSBURY, CONNECTICUT



LOCATION MAP:

REGULATORY PERMIT DRAWINGS
MAY 2022



CT DOT - 818 CONSTRUCTION NOTES

1. REMOVAL OF PAVEMENT MARKINGS ALONG STATE ROADWAYS SHALL BE COMPLETED BY A NON-DESTRUCTIVE METHOD IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD FOR ROAD, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818 SECTION 12.11 AS REVISED.
2. NEW PAVEMENTS MARKINGS SHALL BE PAINTED WITH EPOXY RESIN PAINT IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818 SECTION 12.10 AS REVISED.
3. NEW SIGN MATERIAL AND SHEETING SHALL BE MADE OF REFLECTIVE MATERIAL IN COMPLIANCE WITH STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818 SECTION 12.08 AS REVISED. TYPE 1 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH WHITE BACKGROUND, TYPE 3 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH COLORED BACKGROUND EXCEPT FOR SIGNS WITH RED BACKGROUND THAT SHALL BE TYPE 8 OR 9 REFLECTIVE SHEETING.
4. ALL SIGNS AND PAVEMENT MARKINGS INSTALLED ALONG THE STATE ROAD MUST CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," THE LATEST STATE OF CONNECTICUT CATALOG OF SIGNS AND STANDARD AS REVISED.
5. ANY DAMAGE TO THE EXISTING CURB, SIDEWALK OR ANY OTHER HIGHWAY APPURTENANCES DURING THE DEVELOPMENT OF THE PERMITTED SITE WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE DISTRICT PERMIT SECTION AT NO COST TO THE STATE.
6. ALL WORK WITHIN THE STATE RIGHT OF WAY WILL COMPLY WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 818 WITH THE LATEST SPECIAL PROVISIONS AND TYPICAL STATE STANDARD DETAILS.

FLOOD CONTINGENCY PLAN

THIS FLOOD CONTINGENCY PLAN IS INTENDED TO ADDRESS RESPONSE PROCEDURES FOR FLOOD EVENTS OCCURRING DURING CONSTRUCTION. THIS PLAN WILL BE INCLUDED IN THE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE PLAN TO ENSURE COMPLIANCE WITH ALL REQUIREMENTS SPECIFIED THEREIN.

EMERGENCY CONTACT INFORMATION - THE FOLLOWING IS A PARTIAL LIST OF EMERGENCY TELEPHONE NUMBERS:

EMERGENCY: 9-1-1
NATIONAL WEATHER SERVICE (NORTON, MASS): (508) 622-3250
SIMSBURY ENGINEERING DEPARTMENT: (860) 658-3260
SIMSBURY FIRE DEPARTMENT: (860) 658-1973
SIMSBURY POLICE DEPARTMENT: (860) 658-3100

THE PROJECT SITE IS SUBJECT TO FLOODING. THE CONTRACTOR SHALL MONITOR WEATHER REPORTS AND BE PREPARED TO STOP WORK AND STABILIZE THE SITE IF MORE THAN 1 INCH OF RAINFALL IS PREDICTED BY THE NATIONAL WEATHER SERVICE (NWS) WITH A 70 PERCENT OR GREATER CHANCE OF PRECIPITATION WITHIN 72 HOURS. WORK SHALL BE HALTED UNTIL PRECIPITATION STOPS AND CHANCES OF FURTHER RAINFALL FALL BELOW 50 PERCENT.

A QUALIFIED INSPECTOR WILL OVERSEE THE CONSTRUCTION ACTIVITIES AND WILL BE RESPONSIBLE TO NOTIFY THE CONTRACTOR TO EXECUTE THE EMERGENCY MEASURES OUTLINED. THE INSPECTOR WILL DECLARE "EMERGENCY CONDITIONS" UNDER THE FOLLOWING CIRCUMSTANCES:

1. THE NWS PREDICTS A HURRICANE OR OTHER SEVERE STORM EVENT SUCH AS RAINFALL IN EXCESS OF 3 INCHES PER 24-HOUR PERIOD.
2. THE NWS ISSUES A "FLOOD WATCH" FOR HARTFORD COUNTY.

IMMEDIATELY FOLLOWING DECLARATION OF EMERGENCY CONDITIONS, THE INSPECTOR WILL NOTIFY THE CONTRACTOR, AND THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION EQUIPMENT, MATERIALS, AND ANY FUEL OIL, GASOLINE, OR OTHER HAZARDOUS MATERIAL BEING TEMPORARILY STORED IN THE WORK AREA TO AN EQUIPMENT STAGING AREA LOCATED OUTSIDE THE BOUNDARY OF THE 1-PERCENT-ANNUAL-CHANCE FLOOD. EVERY EFFORT WILL BE MADE TO RELOCATE ALL EQUIPMENT AND MATERIALS FROM THE FLOODPLAIN. FUEL OIL, GASOLINE, OR OTHER HAZARDOUS MATERIALS ARE NOT TO BE STORED WITHIN THE 1-PERCENT-ANNUAL-CHANCE FLOODPLAIN OR WITHIN 100 FEET OF A WETLAND OR WATERCOURSE AT ANY TIME REGARDLESS OF WEATHER CONDITIONS.

DISTURBED AREAS WILL BE STABILIZED AS NECESSARY TO RESIST EROSION DURING FLOOD FLOWS. CONSTRUCTION ACTIVITIES WILL RESUME ONLY WHEN WATER SURFACE ELEVATIONS RECEDE TO A LEVEL THAT ALLOWS SAFE ACCESS FOR THE CONTRACTOR TO RESTORE REQUIRED SEDIMENT AND EROSION CONTROLS.

AT THE CONCLUSION OF THE PROJECT, LONG TERM TRAIL MAINTENANCE WILL BE THE RESPONSIBILITY OF THE TOWN OF SIMSBURY. SIGNS INDICATING THAT THE TRAIL IS SUBJECT TO FLOODING WILL BE POSTED ALONG THE TRAIL. THE TRAIL WILL BE CLOSED BY THE TOWN DURING FLOOD EVENTS.

811 Know what's **below.** **Call** before you dig. www.cbyd.com

LIST OF DRAWINGS

NO.	NAME	TITLE
01	--	TITLE SHEET
02	IN	INDEX PLAN, NOTES AND TYPICAL SECTIONS
03	SD-1	MISCELLANEOUS DETAILS
04	SE-1	SEDIMENT & EROSION CONTROL DETAILS
05-07	BO-1 - BO-3	BORING LOGS
08-10	EX-1 - EX-3	EXISTING CONDITIONS & BASELINE LAYOUT PLAN
11-13	LA-1 - LA-3	LAYOUT PLAN
14	TCS-1	TRAFFIC CONTROL SIGNAL PLAN
15-19		F.A. HESKETH & ASSOCIATES, INC. ROADWAY PLANS
20-23	PRO-1 - PRO-4	TRAIL - PROFILE
24-26	RI-01A - RI-03A	REGULATORY IMPACT PLAN (STATE AND FEDERAL IMPACTS)
27-29	RI-01B - RI-03B	REGULATORY IMPACT PLAN (FLOODWAY AND FLOOD PLAIN IMPACTS)
30-31	STR-1 - STR-2	STRUCTURAL PLAN AND PROFILE
32-33	STRD-1 - STRD-2	STRUCTURAL DETAILS
34-45	XSC-1 - XSC-12	CROSS SECTIONS
		HIGHWAY STANDARDS
		TRAFFIC STANDARDS

PROJECT SITE VICINITY MAP:

0' 100' 200'
0 1/2" 1"
SCALE 1" = 200'

APPROVED BY:

ERIC WELLMAN
FIRST SELECTMAN
TOWN OF SIMSBURY

DATE: _____

DESIGNED BY:

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

MICHAEL J. JOYCE, P.E.
CONN. PROFESSIONAL REG. NO. 21459
DATE: 5/31/22

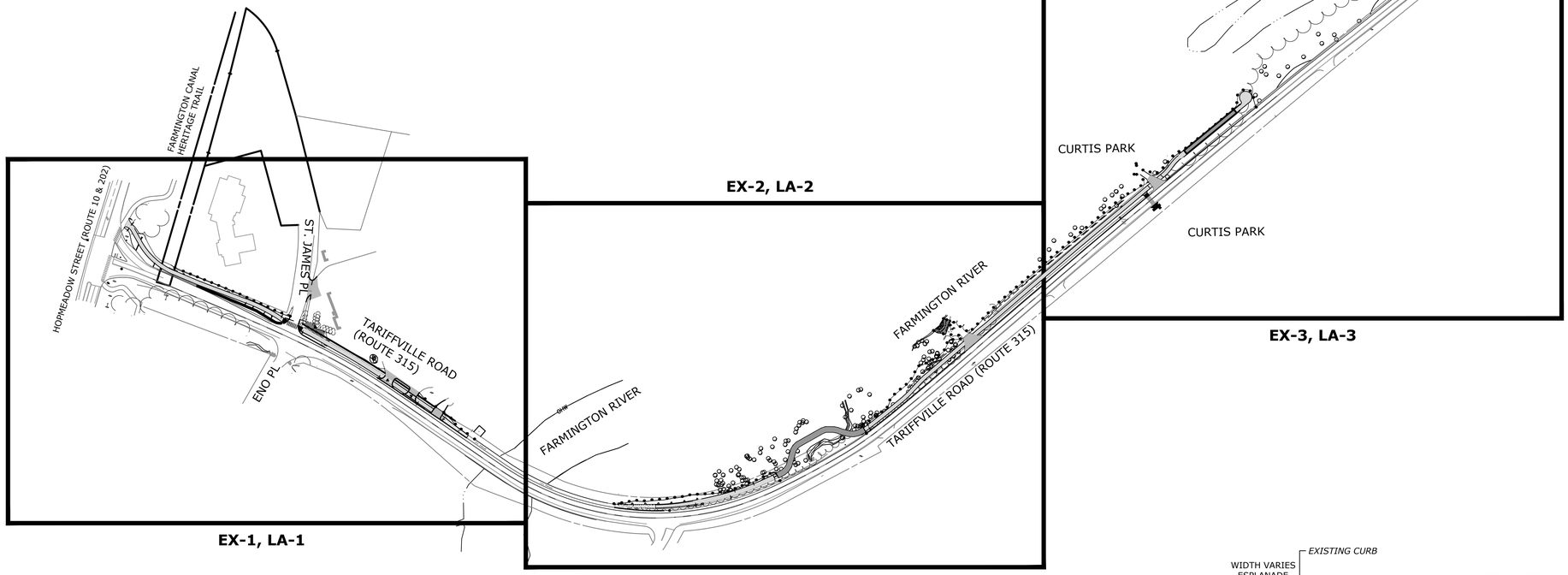
STATE OF CONNECTICUT · MICHAEL J. JOYCE · No. 21459 · LICENSED PROFESSIONAL ENGINEER

PREPARED BY:

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

PREPARED FOR:

TOWN OF SIMSBURY
933 HOPMEADOW STREET
SIMSBURY, CONNECTICUT 06070

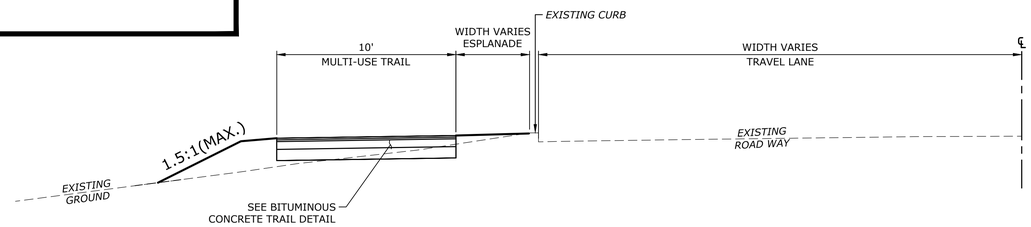


GENERAL NOTES

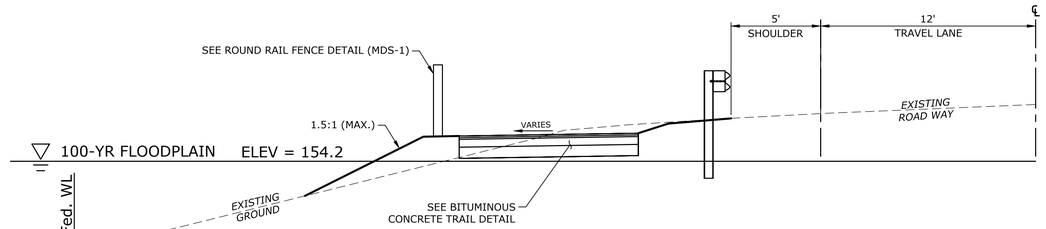
1. BOUNDARY INFORMATION IS BASED UPON FIELD SURVEY CONDUCTED BY: MILONE & MABROOM, INC., TAKEN FROM A MAP ENTITLED "SURVEY WORKSHEET, TARIFFVILLE ROAD (ROUTE 315), SIMSBURY, CONNECITCUT" AT A SCALE OF 1"=40', DATED: JUNE 15, 2018.
2. NORTH ARROW IS BASED UPON CONNECTICUT COORDINATE SYSTEM NAD 1983.
3. ELEVATIONS, CONTOURS, AND BENCHMARK ARE BASED UPON NGVD 1988.
4. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. CALL "CALL BEFORE YOU DIG", 1-800-922-4455. 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.
5. MILONE & MACBROOM INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
6. INLAND WETLAND BOUNDARY WAS FLAGGED AND FIELD LOCATED BY: MILONE & MACBROOM ON JUNE 18, 2018
7. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
8. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2002, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
9. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" TOPSOIL, AND BE SEEDED WITH GRASS OR SODDED, OR AS SHOWN ON THE PLANS.
10. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
11. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF SIMSBURY REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES, AND INCIDENTAL CONSTRUCTION, FORM 818 & RELATED SUPPLEMENTS.
12. 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 N0T CONFORM TO LOCAL CODE.
13. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
14. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
15. PERIMETER SWALES AND RESPECTIVE SILTATION BASINS SHALL BE COMPLETED AND RESTORED PRIOR TO PROCEEDING WITH OTHER SITE CONSTRUCTION.ONST
16. THE PROPERTY OWNER MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

NATURAL DIVERSITY DATA BASE LISTED SPECIES MANAGEMENT NOTES

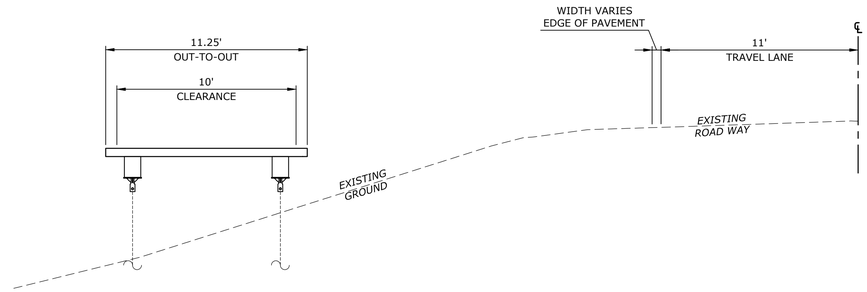
1. HIRING A QUALIFIED HERPETOLOGIST TO BE ON SITE TO ENSURE THESE PROTECTION GUIDELINES REMAIN IN EFFECT AND TO PREVENT REPTILES AND AMPHIBIANS FROM BEING RUN OVER WHEN MOVING HEAVY EQUIPMENT. THIS IS ESPECIALLY IMPORTANT IN THE MONTH OF JUNE WHEN TURTLES ARE SELECTING NESTING SITES.
2. EXCLUSIONARY PRACTICES WILL BE REQUIRED TO PREVENT ANY REPTILES OR AMPHIBIANS ACCESS INTO CONSTRUCTION AREAS. THESE MEASURES WILL NEED TO BE INSTALLED AT THE LIMITS OF DISTURBANCE.
3. EXCLUSIONARY FENCING MUST BE AT LEAST 20 IN TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMAL PASS THROUGH. DO NOT USE PLASTIC OR NETTED SILT-FENCE.
4. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, MUST BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
5. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE REPTILE AND AMPHIBIAN HABITAT MUST BE APPRISED OF THE SPECIES DESCRIPTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES, AND INSTRUCTED TO RELOCATE REPTILES AND AMPHIBIANS FOUND INSIDE WORK AREAS OR NOTIFY THE APPROPRIATE AUTHORITIES TO RELOCATE INDIVIDUALS.
6. ANY REPTILES AND AMPHIBIANS ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHOULD BE INSPECTED TO IDENTIFY AND REMOVE ACCESS POINT.
7. IN AREAS WHERE SILT FENCE IS USED FOR EXCLUSION, IT SHALL BE REMOVED AS SOON AS THE AREA IS STABLE TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME.
8. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY REPTILE OR AMPHIBIAN HABITAT.
9. SPECIAL PRECAUTIONS MUST BE TAKEN TO AVOID DEGRADATION OF WETLAND HABITATS INCLUDING ANY WET MEADOWS AND SEASONAL POOLS.
10. THE CONTRACTOR AND CONSULTING HERPETOLOGIST MUST SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY WORK BEING DONE.
11. WHEN FELLING TREES ADJACENT TO BROOKS AND STREAMS PLEASE CUT THEM TO FALL AWAY FROM THE WATERWAY AND DO NOT DRAG TREES ACROSS THE WATERWAY OR REMOVE STUMPS FROM BANKS.
12. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 50 FEET OF STREAMS AND BROOKS.
13. ANY CONFIRMED SIGHTINGS OF NORTHERN LEOPARD FROG, EASTERN HOGNOSE SNAKE, BLUE SPOTTED SALAMANDER, BOX, WOOD OR SPOTTED TURTLES SHOULD BE REPORTED AND DOCUMENTED WITH THE NDDB (NDDBREQUESTDEP@CT.GOV) ON THE APPROPRIATE SPECIAL ANIMAL FORM FOUND AT (HTTP://WWW.CT.GOV/DEEP/CWP/VIEW.ASP?A=2702&Q=323460&DEPNAV_GID=1641)



TYPICAL MULTI-USE TRAIL SECTION



TYPICAL MULTI-USE TRAIL SECTION - STA. 127+00 - 129+00



TYPICAL BOARDWALK SECTION

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203 271 1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

INDEX PLAN, NOTES AND TYPICAL SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315) SIMSBURY, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DP	SG	MJJ

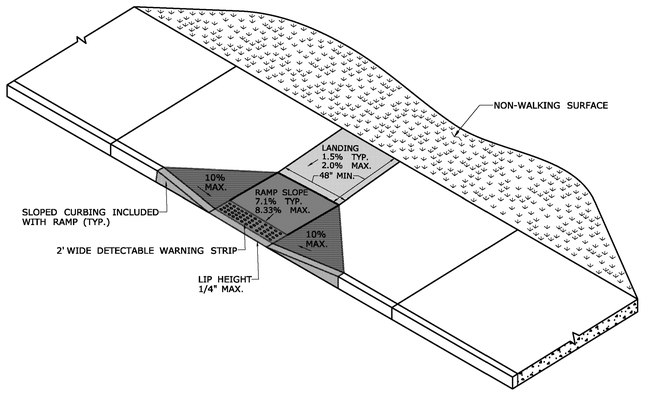
SCALE: 1"=150'

DATE: MAY 2022

PROJECT NO.: 1613-20

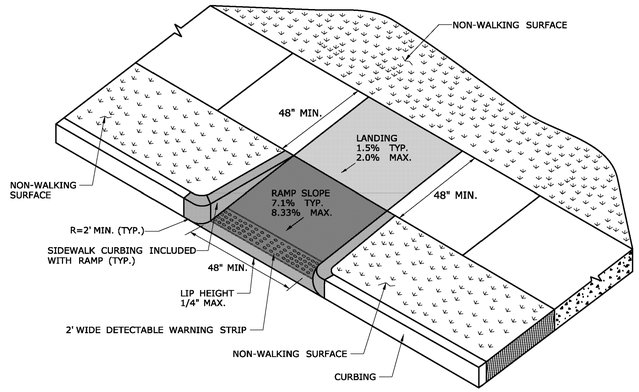
DRAWING NO.: IN

SHEET NO.: 02



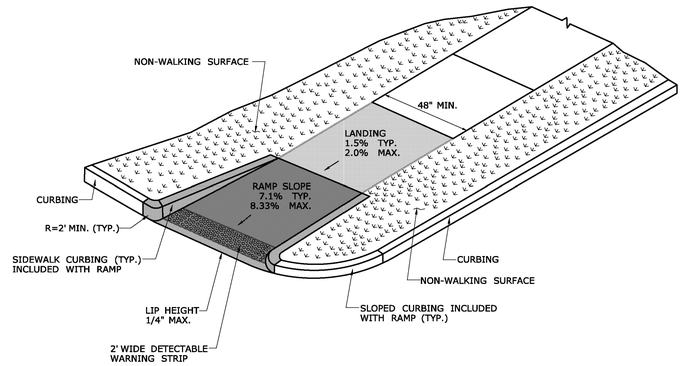
SIDEWALK RAMP (TYPE 8)

NOT TO SCALE



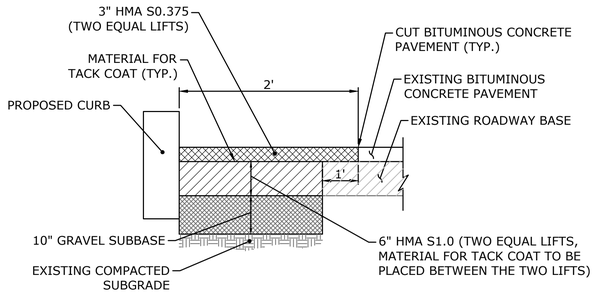
SIDEWALK RAMP (TYPE 13)

NOT TO SCALE



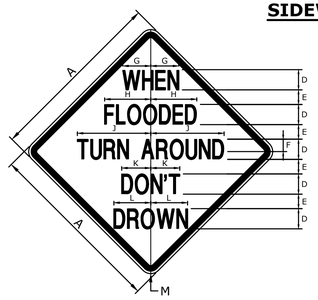
SIDEWALK RAMP (TYPE 16)

NOT TO SCALE



PAVEMENT REPAIR

NOT TO SCALE



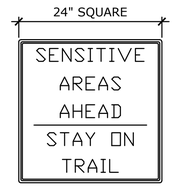
WHEN FLOODED TURN AROUND DON'T DROWN

A	B	C	D	E	F	G	H	J	K	L	M
18"	0.5"	0.75"	3.390"	2.438"	2.062"	4.922"	7.75"	12.625"	5.125"	6.094"	1.875"

WARNING SIGN COLORS:
LEGEND - BLACK
BACKGROUND - YELLOW (RETROREFLECTIVE)

FLOOD SIGN

NOT TO SCALE



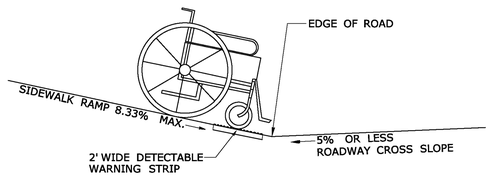
GUIDE SIGN COLORS:
LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - BROWN

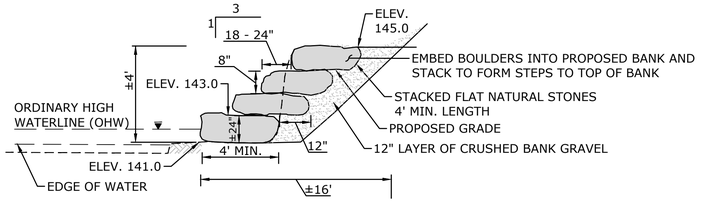
SENSITIVE AREAS SIGN

NOT TO SCALE

GENERAL NOTES:

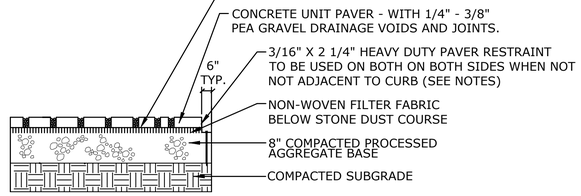
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.3 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.





RIVER ACCESS STONE STEPS

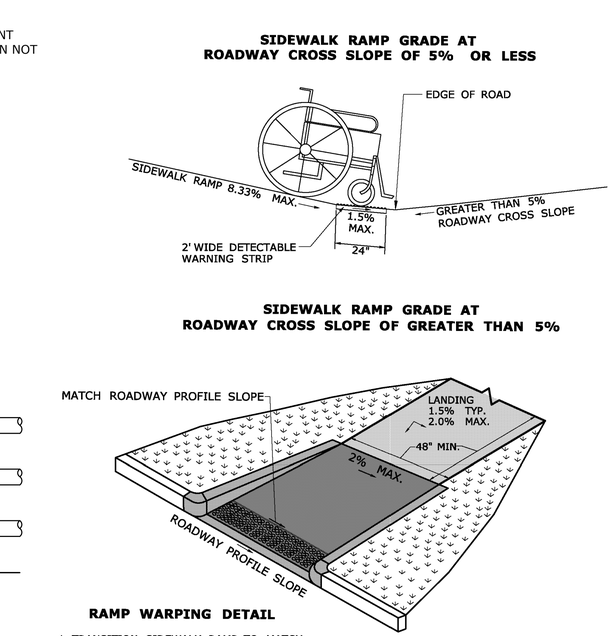
NOT TO SCALE



NOTES:
1. 1% MIN., 2% MAXIMUM CROSS PITCH ON UNIT PAVER WALKWAY.
2. CONTRACTOR SHALL CONSTRUCT A 4' X 5' PAVER SAMPLE PATTERN FOR APPROVAL BY THE ENGINEER AND OWNER. PAVER COLOR TO BE SELECTED BY OWNER.

PERVIOUS PAVER WALKWAY

NOT TO SCALE



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS

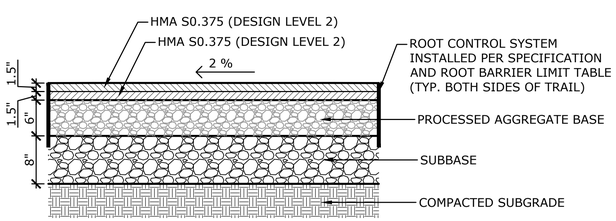
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5%

RAMP WARPING DETAIL

1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

SIDEWALK RAMP GENERAL NOTES

NOT TO SCALE



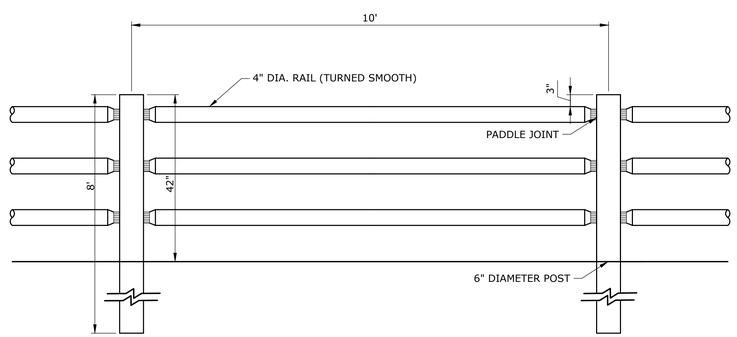
NOTES

1. ROOT CONTROL SYSTEM (ROOT BARRIER) INSTALLED TO A DEPTH OF 12" AT ALL LOCATIONS. REFER TO ROOT BARRIER LIMITS TABLE ON THIS SHEET FOR INSTALLATION LIMITS.
2. SEE TYPICAL CROSS SECTIONS FOR TRAIL WIDTH.

ROOT BARRIER LIMITS TABLE	
BEGIN STATION	END STATION
131+48	134+73
135+08	135+75

BITUMINOUS CONCRETE TRAIL

NOT TO SCALE



NOTES:

1. THREE RAIL FENCE USED ON EDGE OF STEEPER SLOPES AND TO RESTRICT LIGHT TRAFFIC.
2. ALL WOOD IS TO BE PRESSURE TREATED .60 CCA TIMBERS.

ROUND RAIL FENCE

NOT TO SCALE

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

MISCELLANEOUS DETAILS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

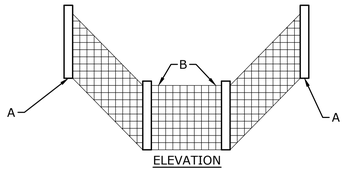
N.T.S. (SCALE)

MAY 2022 (DATE)

1613-20 (PROJECT NO.)

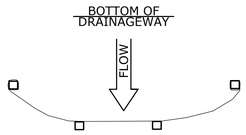
MDS-1 (DRAWING NO.)

03 (SHEET NO.)

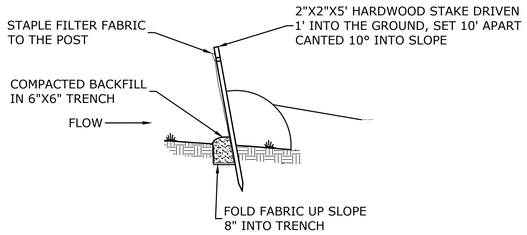


ELEVATION

POINTS 'A' SHOULD BE HIGHER THAN POINTS 'B' IF SLOPE DICTATES

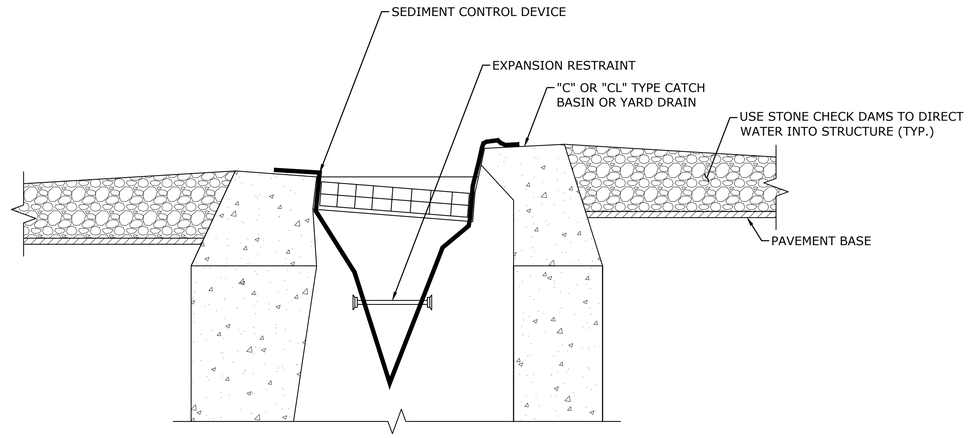


PLAN



SEDIMENTATION CONTROL SYSTEM (SILT FENCE)

NOT TO SCALE

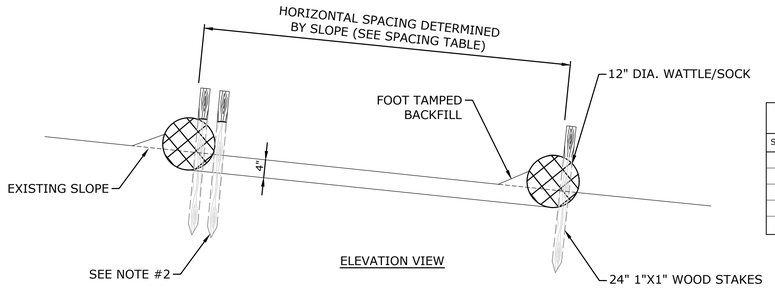


NOTE:

1. SEDIMENT CONTROL DEVICE SHALL BE FURNISHED, INSTALLED, AND MAINTAINED AT ALL CATCH BASIN INLETS UNTIL DISTURBED UPLAND AREAS TRIBUTARY TO THE INLET HAVE BEEN STABILIZED TO THE SATISFACTION OF THE ENGINEER. MATERIAL, INSTALLATION AND MAINTENANCE SHALL BE PAID FOR UNDER ITEM #0219011A - "SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN".

SEDIMENT CONTROL DEVICE AT CATCH BASIN

NOT TO SCALE

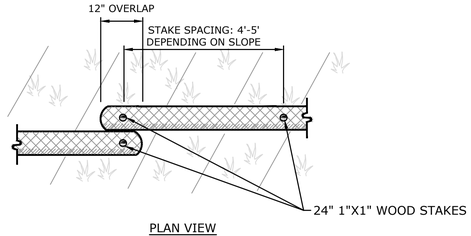


ELEVATION VIEW

WATTLE SPACING INTERVALS		
SLOPE RATIO (H:V)	MAXIMUM SPACING INTERVAL	MAX STAKE SPACING INTERVAL
2:1	10'	4'
3:1	20'	4'
4:1	30'	5'
5:1	40'	5'
6:1	40'	5'

NOTE:

1. AREAS WITH EXPOSED BEDROCK REQUIRE DOUBLE ROW OF WATTLE/SOCK SPACED AT 5' APART.



PLAN VIEW

NOTES:

1. IN AREAS WHERE WOODEN STAKES CANNOT BE INSTALLED DUE TO ROCK, BITUMINOUS CONCRETE, AND/OR CONCRETE CONTRACTOR IS RESPONSIBLE FOR WEIGHING DOWN WATTLE TO PREVENT DISLODGEMENT.
2. ON SLOPES GREATER THAN 4:1, THE WOOD STAKES CAN BE INSTALLED IN FRONT OF COMPOST WATTLE.

COMPOST WATTLE (12" DIA.) INSTALLATION

NOT TO SCALE

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL DETAILS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315) SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

N.T.S. (SCALE)

MAY 2022 (DATE)

1613-20 (PROJECT NO.)

SE-1 (DRAWING NO.)

04 (SHEET NO.)

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-1	**SHEET:** 1 of 1
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 7, 2020	**GROUND SURFACE ELEVATION:** ±146.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	-	-	SS	-				TRIPOD W/ DONUT HAMMER
SIZE ID (IN.)	-	-	1 3/8	-	2020-04-07		±5.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				NOT AVAILABLE
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	20	3 1 2 2	S-1: Very loose, dark brown, fine to coarse SAND and SILT, trace Roots.		TOPSOIL		
2								
3	S-2	22	3 2 2 3	S-2: Loose, brown, fine to coarse SAND, some Silt, trace Roots.	4.0'		142.0'	
4								
5	S-3	19	2 2 3	S-3: Loose, brown, fine to coarse SAND, some Silt.	5.0'	G.W.T. ▽	141.0'	
6			5			SILTY SAND		
7	S-4	16	4 2	S-4: Loose, Top 12": Brown, fine to coarse SAND and SILT. Bottom 4": Gray, fine to coarse SAND, little Silt.	7.0'		139.0'	
8			2					
9	S-5	12	2 2 1	S-5: Very loose, gray, fine to coarse SAND, little Silt.				
10			1					
11	S-6	18	3 4 2 8	S-6: Loose, gray, fine to coarse SAND, little Silt.		SAND		
12			6					
13	S-7	24	5 12 10	S-7: Medium dense, gray, fine to coarse SAND, little Silt.				
14			9					
15	S-8	24	13 16 17	S-8: Medium dense, gray, fine to coarse SAND, little Silt.				
16				Bottom of Exploration ±16.0'	16.0'		130.0'	
17								
18								
19								
20								
21								
22								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

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99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-2	**SHEET:** 1 of 1
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 7, 2020	**GROUND SURFACE ELEVATION:** N/A	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	-	-	SS	-				TRIPOD W/ DONUT HAMMER
SIZE ID (IN.)	-	-	1 3/8	-	2020-04-07		±5.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				NOT AVAILABLE
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	12	1 1 2	S-1: Very loose, brown, fine to coarse SAND, some Silt, trace Roots.		TOPSOIL		
2					2.5'			
3	S-2	20	2 3 1 2	S-2: Loose, Top 6": Brown, fine to coarse SAND, some Silt, trace Roots. Bottom 14": Dark brown, fine to coarse SAND and SILT.		SAND & SILT		
4			2					
5	S-3	14	2 1 3	S-3: Very loose, dark brown, fine to coarse SAND and SILT.	5.0'	G.W.T. ▽		
6			4	S-4: Medium dense, Top 7": Dark brown, fine to coarse SAND and SILT.				
7	S-4	12	5 5	Bottom 5": Gray, fine to coarse SAND, little Silt.	7.0'			
8			6					
9	S-5	14	4 5 8	S-5: Medium dense, gray, fine to coarse SAND, little Silt.		SAND		
10			8					
11	S-6	14	6 8 7	S-6: Medium dense, gray, fine to coarse SAND, little Silt.				
12			10		12.0'			
13				Bottom of Exploration ±12.0'				
14								
15								
16								
17								
18								
19								
20								
21								
22								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-3	**SHEET:** 1 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±148.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±6.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	14	2 3 3	S-1: Loose, Top 7": Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots. Bottom 7": Brown, fine to coarse SAND, little fine to coarse Gravel, little Silt, trace Debris (e.g., asphalt).	1.0'	TOPSOIL	147.0'	
2			3			FILL		
3	S-2	22	1 1 WOH	S-2: Very loose, Top 4": Brown, fine to coarse SAND, little fine to coarse Gravel, little Silt, trace Debris (e.g., asphalt). Bottom 18": Brown, fine to coarse SAND, some Silt.	2.5'		145.5'	
4								
5	S-3	22	1 1 2 1	S-3: Very loose, brown, fine to coarse SAND, little Silt.	6.0'	G.W.T. ▽	142.0'	
6						SAND		
7								
8								
9								
10	S-4	13	WOH WOH 1 2	S-4: Very loose, brown, fine to coarse SAND, little Silt.				
11					13.5'		134.5'	
12								
13								
14								
15	S-5	16	2 3 1 4	S-5: Medium, brown, SILT & CLAY, little fine to medium Sand.		SILT & CLAY		
16								
17								
18								
19								
20			WOH	S-6: Medium, brown, SILT & CLAY, little fine to medium Sand.				
21	S-6	14	3 3 4					
22								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

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99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-3	**SHEET:** 2 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±148.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±6.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
24								
25								
26	S-7	18	3 2 3 2	S-7: Medium, brown, Clayey SILT, little fine to medium Sand.		SILT & CLAY		
27								
28					28.5'		119.5'	
29								
30								
31	S-8	13	WOR WOH 2 3	S-8: Very loose, brown, fine to medium SAND and SILT.				
32								
33								
34						SAND & SILT		
35								
36	S-9	16	1 3 4 4	S-9: Loose, brown, fine to medium SAND and Clayey SILT.				
37								
38					38.5'		109.5'	
39								
40								
41	S-10	24	1 3 5 4	S-10: Stiff, brown, SILT & CLAY, little fine to medium Sand.		SILT & CLAY		
42				Bottom of Exploration ±42.0'	42.0'		106.0'	
43								
44								
45								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-4	**SHEET:** 1 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±145.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±7.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	20	1 1 2 2	S-1: Very loose, dark brown, SILT, little fine to coarse Sand, trace Roots.		TOPSOIL		
2			WOH	S-2: Very loose, dark brown, SILT, little fine to coarse Sand, trace Roots.				
3	S-2	14	WOH WOH WOH					
4					4.5'		140.5'	
5			WOH	S-3: Very loose, dark brown, fine to coarse SAND, some Silt, little Organics.		SAND WITH ORGANICS		
6	S-3	19	1 WOH					
7			1		7.0'	G.W.T. ▽	138.0'	
8					8.5'		136.5'	
9								
10			3	S-4: Very loose, brown, fine to coarse SAND, little Silt.				
11	S-4	24	1 1 3					
12								
13								
14								
15			2	S-5: Loose, brown, fine to coarse SAND, little Silt.		SAND		
16	S-5	24	1 3 2					
17								
18								
19								
20			3	S-6: Loose, brown, fine to medium SAND, little Silt.				
21	S-6	24	3 5 5					
22								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-4	**SHEET:** 2 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±145.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±7.0'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
24								
25								
26	S-7	24	3 3 4 5	S-7: Loose, brown, fine to medium SAND, some Silt.		SAND		
27								
28								
29								
30								
31	S-8	20	2 5 3 5	S-8: Loose, brown, fine to medium SAND, some Silt.				
32								
33					33.5'		111.5'	
34								
35			WOH	S-9: Medium, brown, SILT & CLAY, trace fine Sand.				
36	S-9	24	WOH 4 4			SILT & CLAY		
37								
38								
39								
40								
41	S-10	18	3 3 2 4	S-10: Medium, brown, SILT & CLAY, trace fine Sand.				
42					42.0'		103.0'	
43				Bottom of Exploration ±42.0'				
44								
45								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-5	**SHEET:** 1 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±145.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±6.5'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	15	1 WOH 1 1	S-1: Very loose, dark brown, fine to coarse SAND, some Silt, trace Roots.				
2			2	S-2: Very loose, dark brown, fine to coarse SAND, little Silt, trace Roots.		TOPSOIL		
3	S-2	19	1 1 1					
4					4.5'		140.5'	
5			1	S-3: Very loose, dark brown, fine to coarse SAND, little Silt, trace Organics.				
6	S-3	4	1 2 1		6.5'	G.W.T. ▽	138.5'	
7						SAND WITH ORGANICS		
8					8.5'		136.5'	
9								
10			WOR	S-4: Very loose, brown, fine to coarse SAND, little Silt.				
11	S-4	22	WOR 3 3					
12								
13								
14								
15			2	S-5: Loose, brown, fine to coarse SAND, little Silt.				
16	S-5	20	2 3 4			SAND		
17								
18								
19								
20			3	S-6: Loose, brown, fine to medium SAND, little Silt.				
21	S-6	24	3 4 7					
22								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

BORING LOG

MILONE & MACBROOM
99 Realty Drive
Cheshire, CT 06410
(203) 271-1773

PROJECT:	TARIFFVILLE CONNECTION	**BORING NO.:** MM-5	**SHEET:** 2 of 2
LOCATION:	TARIFFVILLE ROAD, SIMSBURY, CONNECTICUT	**CONTRACTOR:** GENERAL BORINGS, INC.	
PROJ. NO:	1613-20	**FOREMAN:** J. CASSON	
CLIENT:	TOWN OF SIMSBURY	**INSPECTOR:** R. GOWISNOCK	
DATE:	APRIL 6, 2020	**GROUND SURFACE ELEVATION:** ±145.0'	

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
					DATE	TIME	WATER DEPTH	
TYPE	HSA	-	SS	-				TRACK W/ AUTO HAMMER
SIZE ID (IN.)	3 1/4	-	1 3/8	-	2020-04-06		±6.5'	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				DIEDRICH D-50
HMR. FALL (IN.)	-	-	30	-				

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
24								
25								
26	S-7	14	3 3 5 8	S-7: Loose, brown, fine to medium SAND, little Silt.		SAND		
27			4	S-8: Medium dense, brown, fine to coarse SAND, little Silt.				
28	S-8	16	6 7 10					
29				Bottom of Exploration ±29.0'	29.0'		116.0'	
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace = <10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little = 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some = 20% - 35%
30-50 = DENSE	8 -15 = STIFF	UT = UNDISTURBED THINWALL	and = 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30 + = HARD		

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	BY	DATE	DESCRIPTION

BORING LOGS
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE

MAY 2022
DATE

1613-20
PROJECT NO.

BO-1
SHEET NAME

05
SHEET NO.

HAND AUGER LOG

MILONE & MACBROOM
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Cheshire, CT 06410
(203) 271-1773

PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-1
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 170.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.4'	Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	**FILL** 1.8'	Brown, fine to coarse SAND, some fine to coarse Gravel, little Silt, trace Debris (e.g., asphalt).	M		
3		Bottom of Excavation ±1.8'	D		1
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes: 1. Hand auger refusal at approximately ±1.8'.

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-2
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 159.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1		Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	**TOPSOIL** 2.0'		E		
3	**SILTY SAND** 3.1'	Brown, SILT and fine to coarse SAND, trace fine Gravel.	M		
4		Bottom of Exploration ±3.1'	M		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-3
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 157.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.8'	Dark brown, fine to coarse SAND and SILT, trace fine Gravel, trace Roots.	E		
2	**FILL** 1.8'	Brown, fine to coarse SAND, little fine to coarse Gravel, trace Silt, trace Debris (e.g., wood).	E		
3	**SILTY SAND & GRAVEL** 4.0'	Dark brown, fine to coarse SAND, some fine to coarse Gravel, some Silt.	M		
4		Bottom of Exploration ±4.0'	M		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-4
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 157.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.7'	Dark brown, fine to coarse SAND, little Silt, trace fine Gravel, trace Roots.	E		
2	**SUBSOIL** 2.0'	Brown, fine to medium SAND, some Silt, trace fine Gravel, trace Roots.	E		
3	**SAND** 3.0'	Brown, fine to coarse SAND, trace fine Gravel, trace Silt.	M		
4		Bottom of Exploration ±3.0'			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-5
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 160.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.2'	Dark brown, fine to coarse SAND, some Silt, trace Roots.	E		
2	**SAND & GRAVEL** 2.3'	Brown, fine to coarse Sand, some fine to coarse Gravel, little Silt.	E		
3	**SAND** 3.3'	Brown, fine to coarse SAND, little Silt, trace fine to coarse Gravel.	M		
4		Bottom of Exploration ±3.3'			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-6
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 156.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.3'	Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	**FILL** 2.0'	Reddish brown, fine to coarse SAND some fine to coarse Gravel, some Silt.	M		
3		Bottom of Explotration ±2.0'	D		1
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes: 1. Hand auger refusal at approximately ±2.0'.

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-7
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 149.5'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 0.5'	Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	**FILL** 2.0'	Dark brown, fine to coarse SAND, some Silt, little fine to coarse Gravel.	M		
3	**SAND & GRAVEL** 2.7'	Brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.	M		
4	**SAND & SILT** 3.2'	Brown, fine to coarse SAND, some Silt.	E		
5		Bottom of Excavation ±3.2'			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-8
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 149.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	**TOPSOIL** 1.0'	Dark brown, fine to coarse SAND and SILT, little fine Gravel, trace Roots.	E		
2	**SAND & SILT** 1.9'	Brown, fine to coarse SAND, some Silt, little fine to coarse Gravel.	E		
3	**SAND & GRAVEL** 3.0'	Brown, fine to coarse SAND, trace fine Gravel, trace Silt.	M		
4		Bottom of Excavation ±3.0'			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation	BOULDER COUNT		PROPORTIONS USED		EFFORT
N/A	Boulder	Class	< 10%	Trace	E = Easy
N/A	12"-24"	A	10-20%	Little	M = Moderate
	24"-36"	B	20-35%	Some	D = Difficult
	>36"	C	35-50%	And	

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DESCRIPTION	DATE	BY

BORING LOGS
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE

MAY 2022
DATE

1613-20
PROJECT NO.

BO-2
SHEET NAME

06
SHEET NO.

HAND AUGER LOG

MILONE & MACBROOM
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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-9
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 149.0'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	TOPSOIL 1.0'	Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	SAND & SILT 1.8'	Brown, fine to coarse SAND and SILT.	E		
3	SAND 2.5'	Brown, fine to coarse SAND, little Silt.	E		
4	GRAVELLY SAND 3.3'	Light brown, fine to coarse SAND, little fine to coarse Gravel, little Silt.	M		
5		Bottom of Excavation ±3.3'			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation
N/A
N/A ☐

BOULDER COUNT	
Boulder	Class
12"-24"	A
24"-36"	B
>36"	C

PROPORTIONS USED	
< 10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EFFORT
E = Easy
M = Moderate
D = Difficult

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-10
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 150.5'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	TOPSOIL 1.3'	Dark brown, fine to coarse SAND and SILT, trace fine Gravel, trace Roots.	E		
2		Light brown, fine to coarse SAND, trace Silt.	E		
3	SAND 3.8'		E		
4			E		
5		Bottom of Exploration ±3.8'			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation
N/A
N/A ☐

BOULDER COUNT	
Boulder	Class
12"-24"	A
24"-36"	B
>36"	C

PROPORTIONS USED	
< 10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EFFORT
E = Easy
M = Moderate
D = Difficult

HAND AUGER LOG

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PROJECT
Tariffville Connection
Tariffville Road
Simsbury, Connecticut

Auger No: HA-11
Sheet: 1 of 1
MMI File No: 1613-20
Checked By: JGM

Client: Town of Simsbury
Date: May 19, 2020

Method: Hand Tools
Weather: Clear, 60s

Ground Elev: 148.5'
Water Depth: Not Encountered

Depth Below Grade (ft)	Strata Change & Water Level	Subsurface Description	Effort	Boulder Qty/Class	Notes
1	TOPSOIL 0.9'	Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots.	E		
2	SAND & SILT 1.9'	Light brown, fine to coarse SAND and SILT.	E		
3	SAND 3.3'	Brown, fine to coarse SAND, little Silt.	E		
4		Bottom of Exploration ±3.3'	E		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Notes:

Water Symbols
▽ = Groundwater

Dimensions & Orientation
N/A
N/A ☐

BOULDER COUNT	
Boulder	Class
12"-24"	A
24"-36"	B
>36"	C

PROPORTIONS USED	
< 10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EFFORT
E = Easy
M = Moderate
D = Difficult

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	DATE	BY
DESCRIPTION		

BORING LOGS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

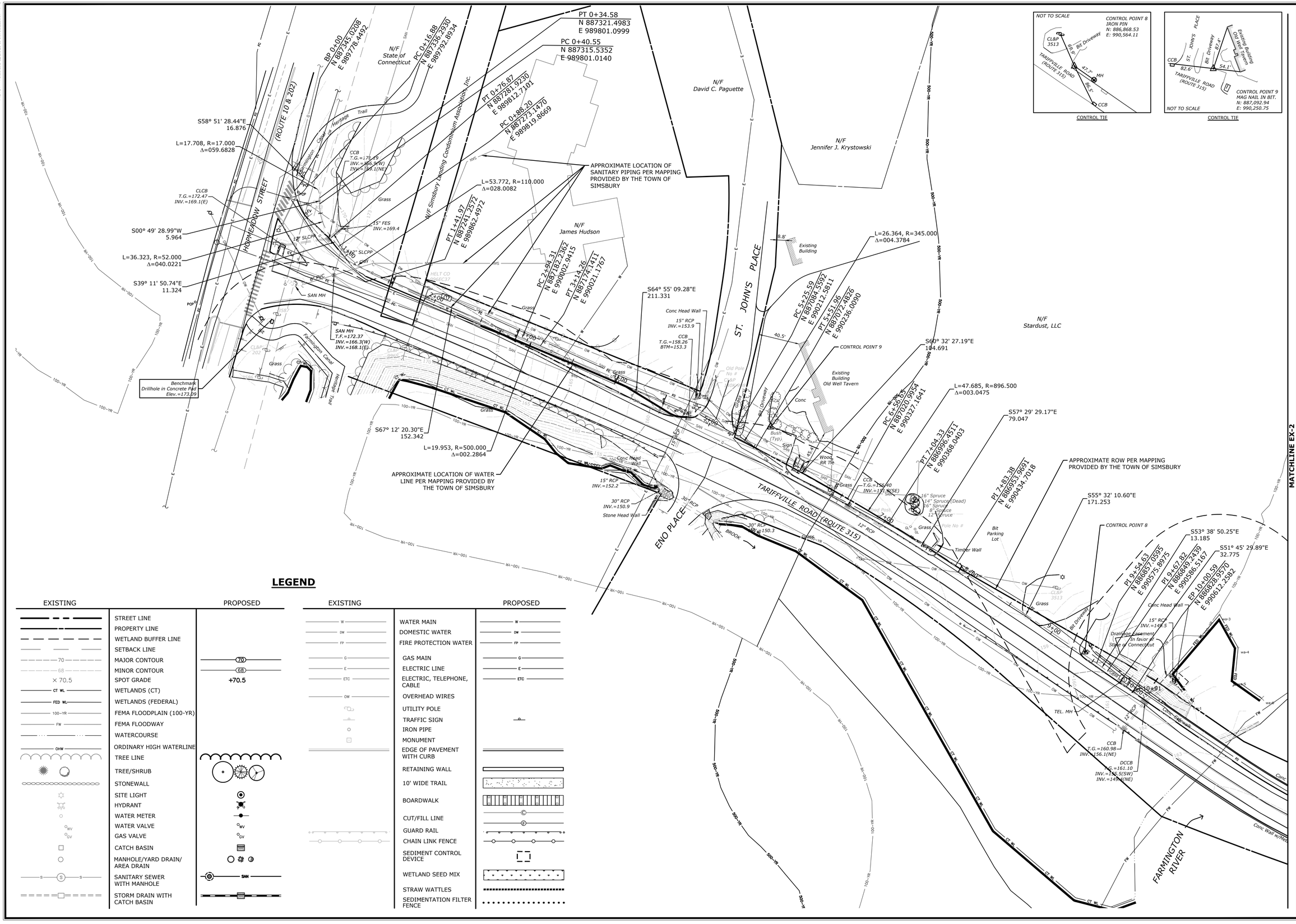
SCALE

DATE: MAY 2022

PROJECT NO.: 1613-20

SHEET NAME: BO-3

SHEET NO.: 07



LEGEND

EXISTING		PROPOSED
	STREET LINE	
	PROPERTY LINE	
	WETLAND BUFFER LINE	
	SETBACK LINE	
70	MAJOR CONTOUR	70
68	MINOR CONTOUR	68
× 70.5	SPOT GRADE	+70.5
CT WL	WETLANDS (CT)	
FED WL	WETLANDS (FEDERAL)	
100-YR	FEMA FLOODPLAIN (100-YR)	
FW	FEMA FLOODWAY	
	WATERCOURSE	
OHW	ORDINARY HIGH WATERLINE	
	TREE LINE	
	TREE/SHRUB	
	STONEWALL	
	SITE LIGHT	
	HYDRANT	
	WATER METER	
WV	WATER VALVE	WV
GV	GAS VALVE	GV
	CATCH BASIN	
	MANHOLE/YARD DRAIN/ AREA DRAIN	
S	SANITARY SEWER WITH MANHOLE	SAN
	STORM DRAIN WITH CATCH BASIN	

EXISTING		PROPOSED
W	WATER MAIN	W
DW	DOMESTIC WATER	DW
FP	FIRE PROTECTION WATER	FP
G	GAS MAIN	G
E	ELECTRIC LINE	E
ETC	ELECTRIC, TELEPHONE, CABLE	ETC
OHW	OVERHEAD WIRES	
	UTILITY POLE	
	TRAFFIC SIGN	
	IRON PIPE	
	MONUMENT	
	EDGE OF PAVEMENT WITH CURB	
	RETAINING WALL	
	10' WIDE TRAIL	
	BOARDWALK	
	CUT/FILL LINE	C F
	GUARD RAIL	
	CHAIN LINK FENCE	
	SEDIMENT CONTROL DEVICE	
	WETLAND SEED MIX	
	STRAW WATTLES	
	SEDIMENTATION FILTER FENCE	

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DESCRIPTION	DATE	BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1'=40'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	EX-1
SHEET NO.	08

MATCHLINE EX-1

MATCHLINE EX-3

FARMINGTON RIVER

TERRY'S PLAIN ROAD

TARIFFVILLE ROAD (ROUTE 315)

APPROXIMATE ROW PER MAPPING PROVIDED BY THE TOWN OF SIMSBURY

N/F Town of Simsbury

L=70.245, R=71.500
Δ=056.2905

L=44.603, R=48.500
Δ=052.6916

L=34.649, R=48.500
Δ=040.9334

N61° 50' 45.27"E
46.875

PC 4+86.79
N 886784.1740
E 991425.5415

N20° 54' 45.04"E
24.676

PT 4+62.12
N 886761.1237
E 991416.7336

L=48.450, R=71.500
Δ=038.8248

L=96.208, R=842.938
Δ=006.5394

L=147.112, R=936.171
Δ=009.0036

PCC 6+83.16
N 886837.3449
E 991599.6372

PC 5+68.32
N 886831.7414
E 991489.2907

PT 5+21.44
N 886809.6239
E 991447.9622

PCC 4+13.67
N 886724.8888
E 991385.9771

L=91.350, R=649.000
Δ=008.0647

L=125.533, R=520.000
Δ=013.8317

N78° 54' 10.23"E
32.378

PCC 3+17.46
N 886687.7106
E 991297.2996

S87° 15' 55.49"E
68.197

BP 0+00
N 886651.7785
E 990984.4013

PC 0+68.20
N 886648.5249
E 991052.5203

PT 1+93.73
N 886657.6556
E 991177.4153

PC 2+26.11
N 886663.8876
E 991209.1882

PT 8+85.39
N 886970.2016
E 991751.6032

PC 8+59.46
N 886952.3406
E 991732.8237

PT 8+30.28
N 886931.1409
E 991712.7733

L=25.929, R=245.000
Δ=006.0638

N43° 24' 14.63"E
29.180

DCCB
T.G.=159.86
INV.=154.2(SW)
INV.=153.7(N)

12" CMP
INV.=146.8

Conc Head Wall

Conc Sidewalk

Wall w/Metal Railing

TEL. MH

CCB
T.G.=161.41
INV.=156.8(NE)

48" RCP
INV.=142.0

Conc Pad

MH
T.F.=151.71

Gravel Driveway

Benchmark
Bench Tie in CL&P 2428
Elev.=148.45

15" Maple

0+00 1+00 2+00 3+00 4+00 5+00 6+00 9+00 10+00 11+00 12+00

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DP	SG	MJJ

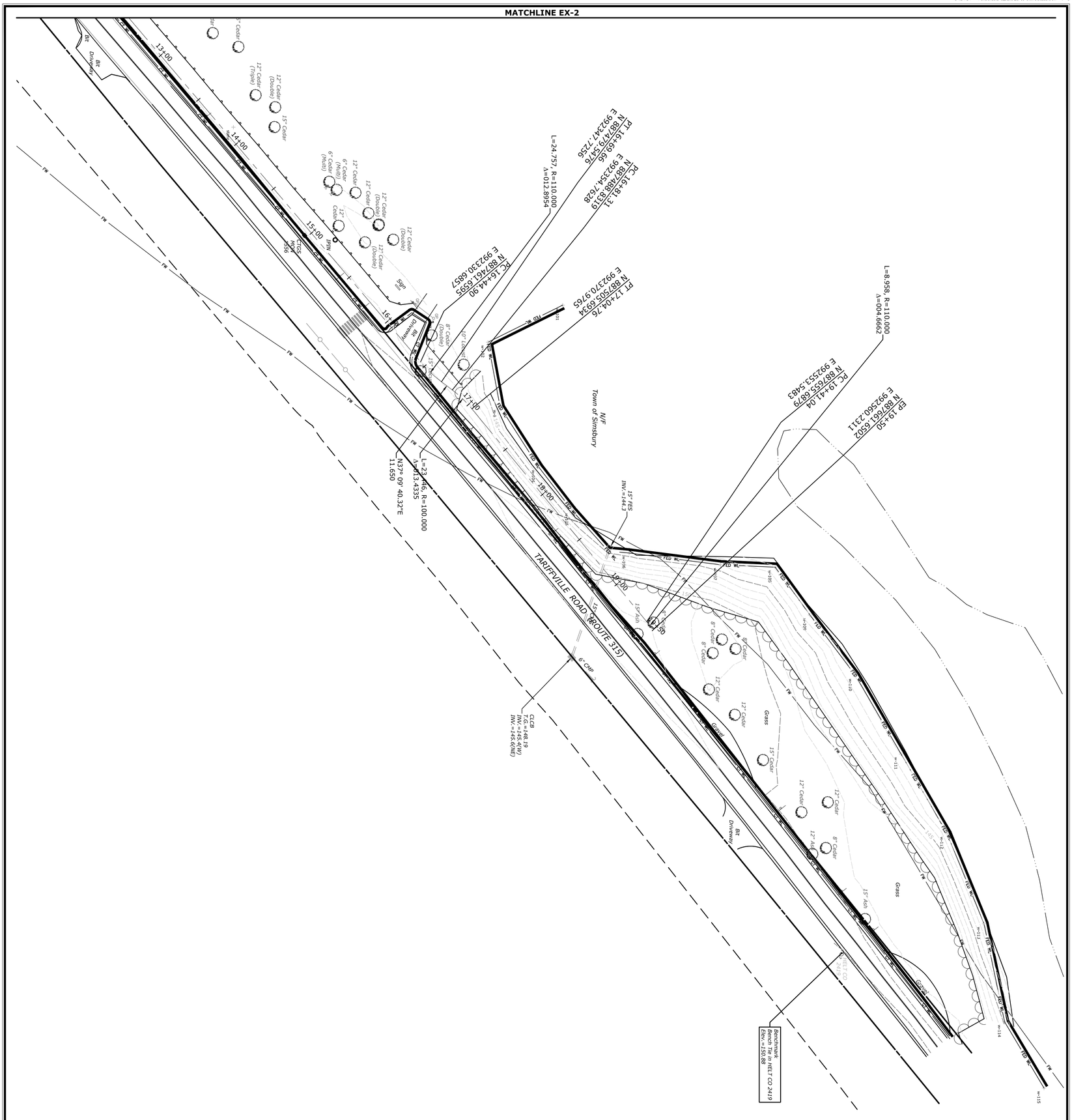
SCALE: 1'=40'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: EX-2

SHEET NO.: 09



EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DESCRIPTION	DATE	BY

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

SHEET NO.	10
DRAWING NO.	EX-3
PROJECT NO.	1613-20
DATE	MAY 2022
SCALE	1"=40'
DESIGNED	DP
DRAWN	SG
CHECKED	MJJ

LEGEND

- SAWCUT
- CONCRETE SIDEWALK
- BITUMINOUS CONCRETE TRAIL
- BITUMINOUS DRIVEWAY APRON
- SEDIMENT CONTROL AT CATCH BASIN
- SEDIMENT CONTROL FILTER FENCE
- CUT/FILL LINE
- LIMITS OF CLEARING
- TREE REMOVAL

EXISTING FARMINGTON CANAL HERITAGE TRAIL (EAST COAST GREENWAY)

BIKE ROUTE / END — 51-1354, 51-1356

NO MOTOR VEHICLES — REMOVE AND RELOCATE "NO MOTOR VEHICLE" SIGN (31-1727)

PROTECT EXISTING PED. SIGN AND BUTTON TO REMAIN

NO MOTOR VEHICLES / BIKE ROUTE / BEGIN — 31-1727, 51-1354, 51-1355

EXISTING FARMINGTON CANAL HERITAGE TRAIL (EAST COAST GREENWAY)

HOPMEADOW STREET (ROUTE 10 & 202)

INSTALL 33 LF OF 12" C.C.P. AND 12" C.C.P. CULVERT END INV.= 169.4

REMOVE EXISTING 12" SLCPP AND FLARED END

TURF ESTABLISHMENT ALONG THE LENGTH OF THE TRAIL

RESET TELEPHONE MANHOLE (BY OTHERS)

ROADWAY WIDENING DONE BY OTHERS (REFER TO ROADWAY IMPROVEMENT PLAN RW-3, DESIGNED BY F.A. HESKETH & ASSOCIATES, INC.)

NO MOTOR VEHICLES — 31-1727

RESET WATER VALVE

REPLACED AND RELOCATED ROADWAY SIGNS, PM-3 (REFER TO SIGNAGE AND PAVEMENT MARKING PLANS, DESIGNED BY F.A. HESKETH & ASSOCIATES, INC.)

HYDRANT TO BE REMOVED AND REPLACED

SIDEWALK RAMP, TYPE 16

STOP — 31-0532

12" STOP BAR

ST. JOHN'S PLACE

BEGIN BITUMINOUS CONCRETE LIP CURB

SIDEWALK RAMP, TYPE 16

PAVEMENT REMOVAL

4" TOP SOIL AND TURF ESTABLISHMENT - LAWN

REMOVE SIGN

UTILITY POLE SNET 4347 TO BE RELOCATED BY OTHERS

10' WIDE TRAIL, (TYP.)

REMOVE WOOD POST

PROPOSED EASEMENT

RESET GAS VALVES (BY OTHERS)

REMOVE EXISTING TIMBER LANDSCAPE BED AND LIGHT

END BITUMINOUS CONCRETE LIP CURB

TURF ESTABLISHMENT - LAWN ON BOTH SIDE OF THE ISLAND

BITUMINOUS CONCRETE LIP CURB

SAWCUT PAVEMENT, (TYP.)

BEGIN BITUMINOUS CONCRETE LIP CURB

END BITUMINOUS CONCRETE LIP CURB

SEDIMENTATION CONTROL SYSTEM (TYP.)

BEGIN BITUMINOUS CONCRETE LIP CURB

CONCRETE SIDEWALK

RESET TELEPHONE MANHOLE (BY OTHERS)

REMOVE EXISTING RAMP

END BITUMINOUS CONCRETE LIP CURBING AT EXISTING CB

MATCH EXISTING CONCRETE SIDEWALK

TARIFFVILLE ROAD (ROUTE 315)

ENO PLACE

SEDIMENT CONTROL DEVICE AT CB, (TYP.)

PAINTED CROSSWALK (TYP.)

NO MOTOR VEHICLES — 31-1727

BIKEWAY NARROWS — 41-1490

CYCLISTS DISMOUNT — 41-1392

100' UPLAND REVIEW AREA

NO NET FILL PERMITTED IN THE FEMA FLOODWAY, (TYP.)

FARMINGTON RIVER

MATCHLINE LA-2

TARIFFVILLE CONNECTION MULTI-USE TRAIL HEAD
1"=20'

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
(203) 271-1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

LAYOUT PLAN

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=40'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	LA-1
SHEET NO.	11

LEGEND

SAWCUT	
CONCRETE SIDEWALK	
BITUMINOUS CONCRETE TRAIL	
BITUMINOUS DRIVEWAY APRON	
SEDIMENT CONTROL AT CATCH BASIN	
SEDIMENT CONTROL FILTER FENCE	
CUT/FILL LINE	
LIMITS OF CLEARING	
TREE REMOVAL	

PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
5	Acer Saccharinum	Silver Maple	1.5" Cal.	B & B
4	Nyssa sylvatica	Black Gum	1.5" Cal.	B & B
4	Plantanus Occidentalis	London Plane Tree	1.5" Cal.	B & B

NOTE:

1. LOCATION OF FLOODPLAIN RESTORATION TREE PLANTINGS WILL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE TOWN AND REGULATORY AGENCIES.

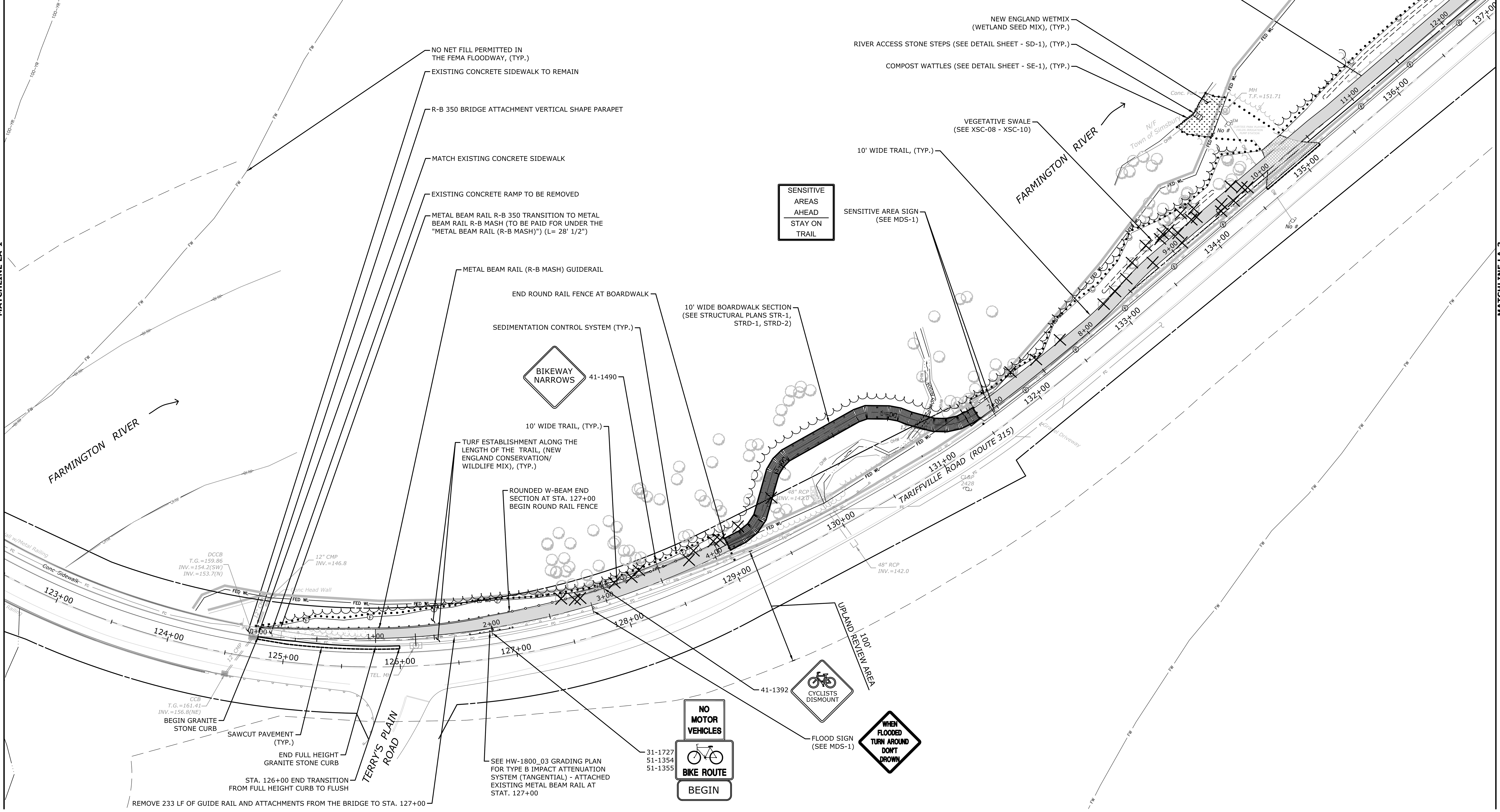
SEEDING SCHEDULE

NEW ENGLAND CONSERVATION / WILDLIFE MIX — 29,853 sf
APPLICATION RATE: 25LBS/ACRE | 1750 SQ FT/LB

ELYMUS VIRGINICUS / VIRGINIA WILD RYE
SCHIZACHYRIUM SCOPARIUM / LITTLE BLUESTEM
ANDROPOGON GERARDII / BIG BLUESTEM
FESTUCA RUBRA / RED FESCUE
PANICUM VIRGATUM / SWITCH GRASS
CHAMAECRISTA FASCICULATA / PARTRIDGE PEA
DESMODIUM PANICULATUM / PANICLEDLEAF TICK TREFOIL
SORGHASTRUM NUTANS / INDIAN GRASS
VERBENA HASTATA / BLUE VERVAIN
ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED
RUDBECKIA HIRTA / BLACK EYED SUSAN
HELENIUM AUTUNALE / COMMON SNEEZEWEED
ASTERPILOSUS/SYMPHYOTRICHUM PILOSUM / HEATH ASTER
SOLIDAGO JUNCEA / EARLY GOLDENROD
AGROSTIS PERENNANS / UPLAND BENTGRASS

NEW ENGLAND WETMIX / WETLAND SEED MIX — 796 sf
APPLICATION RATE: 18 LBS./ACRE | 2500 SQ. FT./1 LB.

CAREX VULPINOIDEA / FOX SEDGE
CAREX LURIDA / LURID SEDGE
CAREX SCOPARIA / BLUNT BROOM
VERBENA HASTATA / SEDGE BLUE VERVAIN
POA PALUSTRIS / FOWL BLUEGRASS
CAREX LUPULINA / HOP SEDGE
SCIRPUS ATROVIRENS / GREEN BULRUSH
ELEOCHARIS PALUSTRIS / CREEPING SPIKE RUSH
CAREX CRINITA / FRINGED SEDGE
JUNCUS EFFUSUS / SOFT RUSH
EUPATORIUM MACULATUM / SPOTTED JOE PYE WEED
GLYCERIA CANADENSIS / RATTLESNAKE GRASS
ASTER PUNICEUS / SWAMP ASTER
IRIS VERSICOLOR / BLUEFLAG
ASCLEPIAS INCARNATA / SWAMP MILKWEED
MIMULUS RINGENS / SQUARE STEMMED MONKEY FLOWER



MATCHLINE LA-1
MATCHLINE LA-3
FARMINGTON RIVER
FARMINGTON RIVER
TARIFFVILLE ROAD (ROUTE 315)
TERRY'S PLAIN ROAD
UPLAND REVIEW AREA 100'
NO NET FILL PERMITTED IN THE FEMA FLOODWAY, (TYP.)
EXISTING CONCRETE SIDEWALK TO REMAIN
R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET
MATCH EXISTING CONCRETE SIDEWALK
EXISTING CONCRETE RAMP TO BE REMOVED
METAL BEAM RAIL R-B 350 TRANSITION TO METAL BEAM RAIL R-B MASH (TO BE PAID FOR UNDER THE "METAL BEAM RAIL (R-B MASH)") (L= 28' 1/2")
METAL BEAM RAIL (R-B MASH) GUIDERAIL
END ROUND RAIL FENCE AT BOARDWALK
SEDIMENTATION CONTROL SYSTEM (TYP.)
10' WIDE BOARDWALK SECTION (SEE STRUCTURAL PLANS STR-1, STRD-1, STRD-2)
BIKEWAY NARROWS
41-1490
10' WIDE TRAIL, (TYP.)
TURF ESTABLISHMENT ALONG THE LENGTH OF THE TRAIL, (NEW ENGLAND CONSERVATION/ WILDLIFE MIX), (TYP.)
ROUNDED W-BEAM END SECTION AT STA. 127+00 BEGIN ROUND RAIL FENCE
SENSITIVE AREAS AHEAD STAY ON TRAIL
SENSITIVE AREA SIGN (SEE MDS-1)
10' WIDE TRAIL, (TYP.)
VEGETATIVE SWALE (SEE XSC-08 - XSC-10)
COMPOST WATTLES (SEE DETAIL SHEET - SE-1), (TYP.)
RIVER ACCESS STONE STEPS (SEE DETAIL SHEET - SD-1), (TYP.)
NEW ENGLAND WETMIX (WETLAND SEED MIX), (TYP.)
10' WIDE TRAIL LOCATED IN FRONT OF EXISTING PATH GUIDERAIL
VEGETATIVE SWALE (SEE XSC-08 - XSC-10)
BEGIN GRANITE STONE CURB
SAWCUT PAVEMENT (TYP.)
END FULL HEIGHT GRANITE STONE CURB
STA. 126+00 END TRANSITION FROM FULL HEIGHT CURB TO FLUSH
REMOVE 233 LF OF GUIDE RAIL AND ATTACHMENTS FROM THE BRIDGE TO STA. 127+00
SEE HW-1800_03 GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL) - ATTACHED EXISTING METAL BEAM RAIL AT STAT. 127+00
NO MOTOR VEHICLES
BIKE ROUTE
BEGIN
31-1727
51-1354
51-1355
CYCLISTS DISMOUNT
41-1392
FLOOD SIGN (SEE MDS-1)
WHEN FLOODED TURN AROUND DON'T DROWN
DCCB T.G.=159.86 INV.=154.2(SW) INV.=153.7(N)
CCB T.G.=161.41 INV.=156.8(NE)
12" CMP INV.=146.8
48" RCP INV.=143.0
48" RCP INV.=142.0
MH T.F.=151.71
N/F Town of Simsbury
123+00
124+00
125+00
126+00
127+00
128+00
129+00
130+00
131+00
132+00
133+00
134+00
135+00
136+00
137+00
0+00
1+00
2+00
3+00
4+00
8+00
9+00
10+00
11+00
12+00
15" Maple

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

LAYOUT PLAN

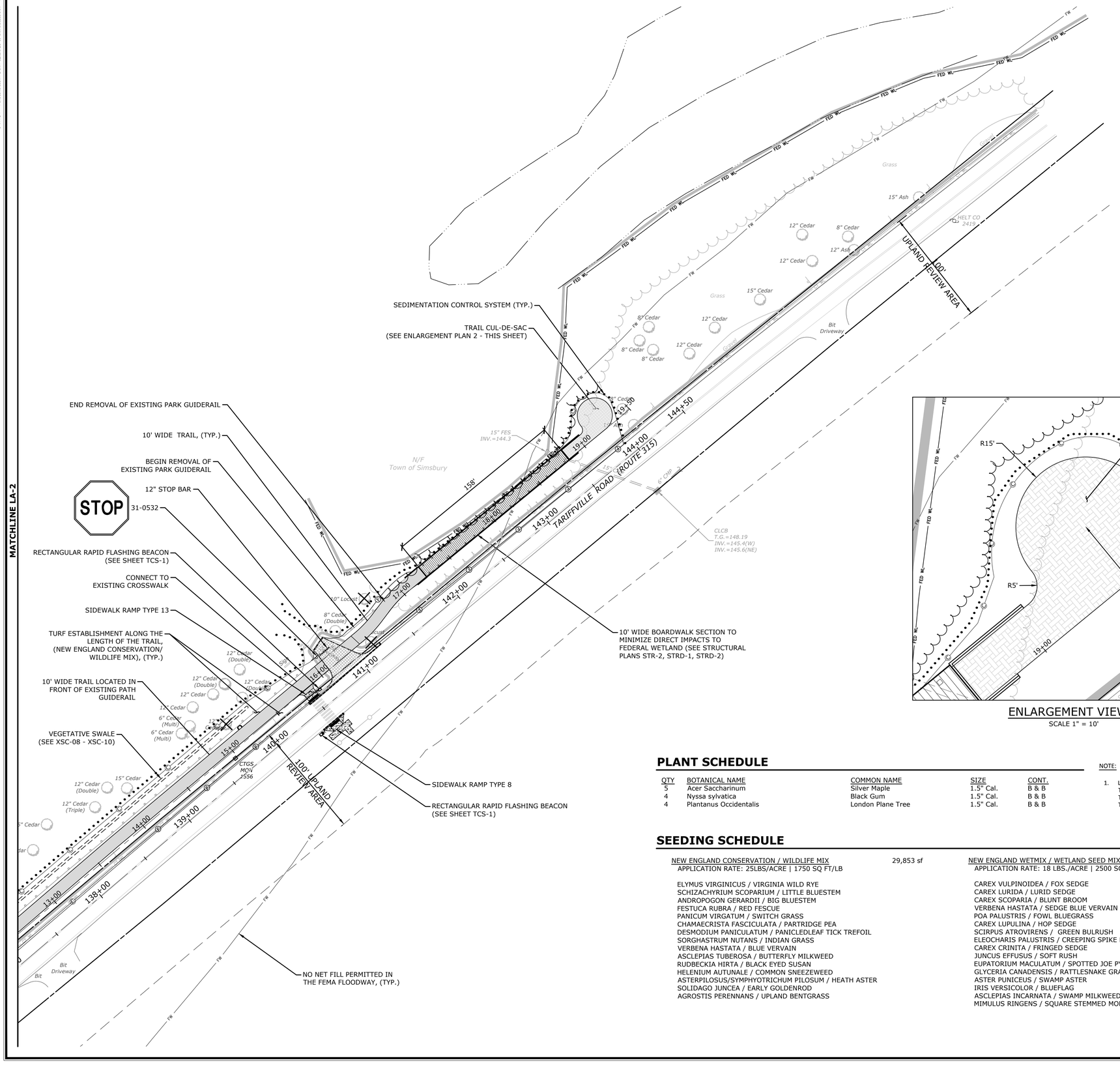
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DP	SG	MJJ

SCALE: 1"=40'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: LA-2
SHEET NO.: 12

MATCHLINE LA-2



LEGEND

- SAWCUT
- CONCRETE SIDEWALK
- BITUMINOUS CONCRETE TRAIL
- BITUMINOUS DRIVEWAY APRON
- SEDIMENT CONTROL AT CATCH BASIN
- SEDIMENT CONTROL FILTER FENCE
- CUT/FILL LINE
- LIMITS OF CLEARING
- TREE REMOVAL

ENLARGEMENT VIEW 2
SCALE 1" = 10'

PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
5	Acer Saccharinum	Silver Maple	1.5" Cal.	B & B
4	Nyssa sylvatica	Black Gum	1.5" Cal.	B & B
4	Plantanus Occidentalis	London Plane Tree	1.5" Cal.	B & B

NOTE:

1. LOCATION OF FLOODPLAIN RESTORATION TREE PLANTINGS WILL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE TOWN AND REGULATORY AGENCIES.

SEEDING SCHEDULE

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APPLICATION RATE: 25LBS/ACRE | 1750 SQ FT/LB

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SCHIZACHYRIUM SCOPARIUM / LITTLE BLUESTEM
ANDROPOGON GERARDII / BIG BLUESTEM
FESTUCA RUBRA / RED FESCUE
PANICUM VIRGATUM / SWITCH GRASS
CHAMAECRISTA FASCICULATA / PARTRIDGE PEA
DESMODIUM PANICULATUM / PANICLEDLEAF TICK TREFOIL
SORGHASTRUM NUTANS / INDIAN GRASS
VERBENA HASTATA / BLUE VERVAIN
ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED
RUDBECKIA HIRTA / BLACK EYED SUSAN
HELENIUM AUTUNALE / COMMON SNEEZEWEED
ASTERPILOSUS/SYMPHYOTRICHUM PILOSUM / HEATH ASTER
SOLIDAGO JUNCEA / EARLY GOLDENROD
AGROSTIS PERENNANS / UPLAND BENTGRASS

NEW ENGLAND WETMIX / WETLAND SEED MIX — 796 sf
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CAREX LURIDA / LURID SEDGE
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VERBENA HASTATA / SEDGE BLUE VERVAIN
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CAREX LUPULINA / HOP SEDGE
SCIRPUS ATROVIRENS / GREEN BULRUSH
ELEOCHARIS PALUSTRIS / CREEPING SPIKE RUSH
CAREX CRINITA / FRINGED SEDGE
JUNCUS EFFUSUS / SOFT RUSH
EUPATORIUM MACULATUM / SPOTTED JOE PYE WEED
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ASTER PUNICEUS / SWAMP ASTER
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ASCLEPIAS INCARNATA / SWAMP MILKWEED
MIMULUS RINGENS / SQUARE STEMMED MONKEY FLOWER

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DESCRIPTION	DATE	BY

LAYOUT PLAN

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315) SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: LA-3
SHEET NO.: 13

MOVEMENT DIAGRAM

NTOR	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	
NONE									

	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #																												
INTERVALS	MIN GRN																											
	WALK																											
	PED CLR																											
	VEH EXT																											
	MAX 1																											
	MAX 2																											
	YELLOW																											
	RED																											
	ADD INIT																											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
MODE																												
INT START																												

TECHNICAL NOTES

RECTANGULAR RAPID FLASHING BEACON TO FLASH ALTERNATIVELY FOR 25 SECONDS (TIME ADJUSTABLE)

OFFICE RECORD

REV # -- TIR # SM # N/A SIGNAL REVISED: ------

PEDESTRIAN CROSSING SYSTEM INSTALLED

CONSTRUCTION NOTES:

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE CTDOT WEBSITE:
-STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION (FORM 818)
-SUPPLEMENTAL SPECIFICATIONS TO FORM 818
-STANDARD INSTALLATION AND GUIDE DETAILS SHEETS.

ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.

STALE ALL R.O.W. PRIOR TO EXCAVATION.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.

PEDESTALS FOR RECTANGULAR RAPID FLASHING BEACONS SHALL HAVE A FLAT BLACK FINISH, FEDERAL STANDARD MO. 595A - 37038

THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.

PEDESTRIAN CROSS SYSTEM SHALL CONTAIN A SOLAR POWERED WIRELESS TRAFFIC CONTROL SYSTEM THAT INCLUDES A TRANSCEIVER RADIO THAT SENDS WIRELESS SIGNALS TO NODES (3 FOR THIS SYSTEM).

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA AND SIDEWALK RAMPS.

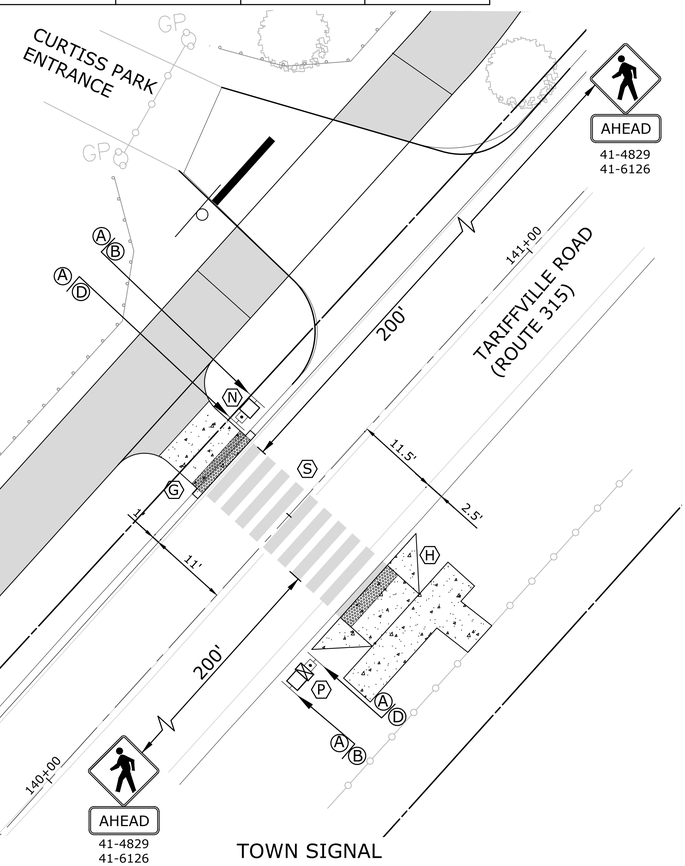
SIGN LEGEND

Ⓐ INSTALL 41-4810 (PEDESTAL MTD.)
(WITH RECTANGULAR RAPID FLASHING BEACON - RRFB)

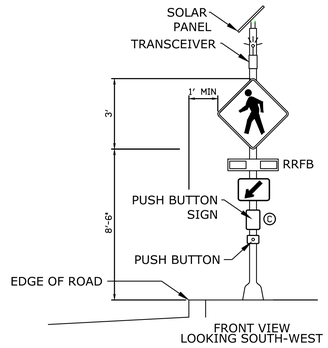
Ⓑ INSTALL 41-2607 (PEDESTAL MTD.)

Ⓒ INSTALL 31-0846 (PEDESTAL MTD.) (PUSH BUTTON PANEL)

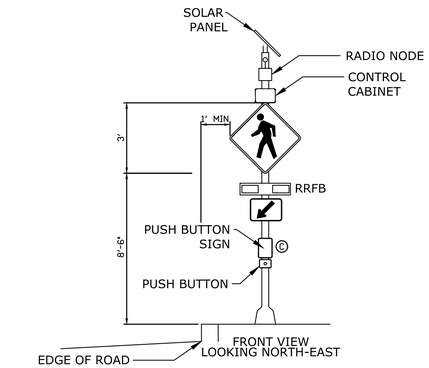
Ⓓ INSTALL 41-2609 (PEDESTAL MTD.)



TOWN SIGNAL



RECTANGULAR RAPID FLASHING BEACON (RRFB) DETAIL N



RECTANGULAR RAPID FLASHING BEACON (RRFB) DETAIL P

NOTES:

SEE SEPARATE PLAN FOR PAVEMENT MARKINGS.

TOWN OF SIMSBURY TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS AT THE CURTISS PARK ENTRANCE, AND ALL STOP BARS.

TOWN OF SIMSBURY TO OWN AND MAINTAIN THE RECTANGULAR RAPID FLASHING BEACON EQUIPMENT, INCLUDING THE SIGNS.

Ⓖ INSTALL TYPE 13 SIDEWALK RAMP PER DETAIL ON MDS-1

Ⓗ INSTALL TYPE 8 SIDEWALK RAMP PER DETAIL ON MDS-1

Ⓢ BAR TYPE CROSSWALK (16" X 24" X 8') - STATE MAINTAINED

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R RED
Y YELLOW
G GREEN
RED ARROW
YELLOW ARROW
GREEN ARROW
WⓅ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SD SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

SIDEWALK RAMP
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED : $DATE$ $FILE$

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SCALE 1" = 10'

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

TARIFFVILLE CONNECTION,
MULTI-USE TRAIL
FROM HOPMEADOW ST. (RT.10 & 202)
TO CURTISS AND PATTISON PARKS

REV # INTERSECTION # 128-906P

ENERGY BY SOLAR	ADDRESS #
MAINT LEVEL - TOWN	SERVICE - N/A
	N/A

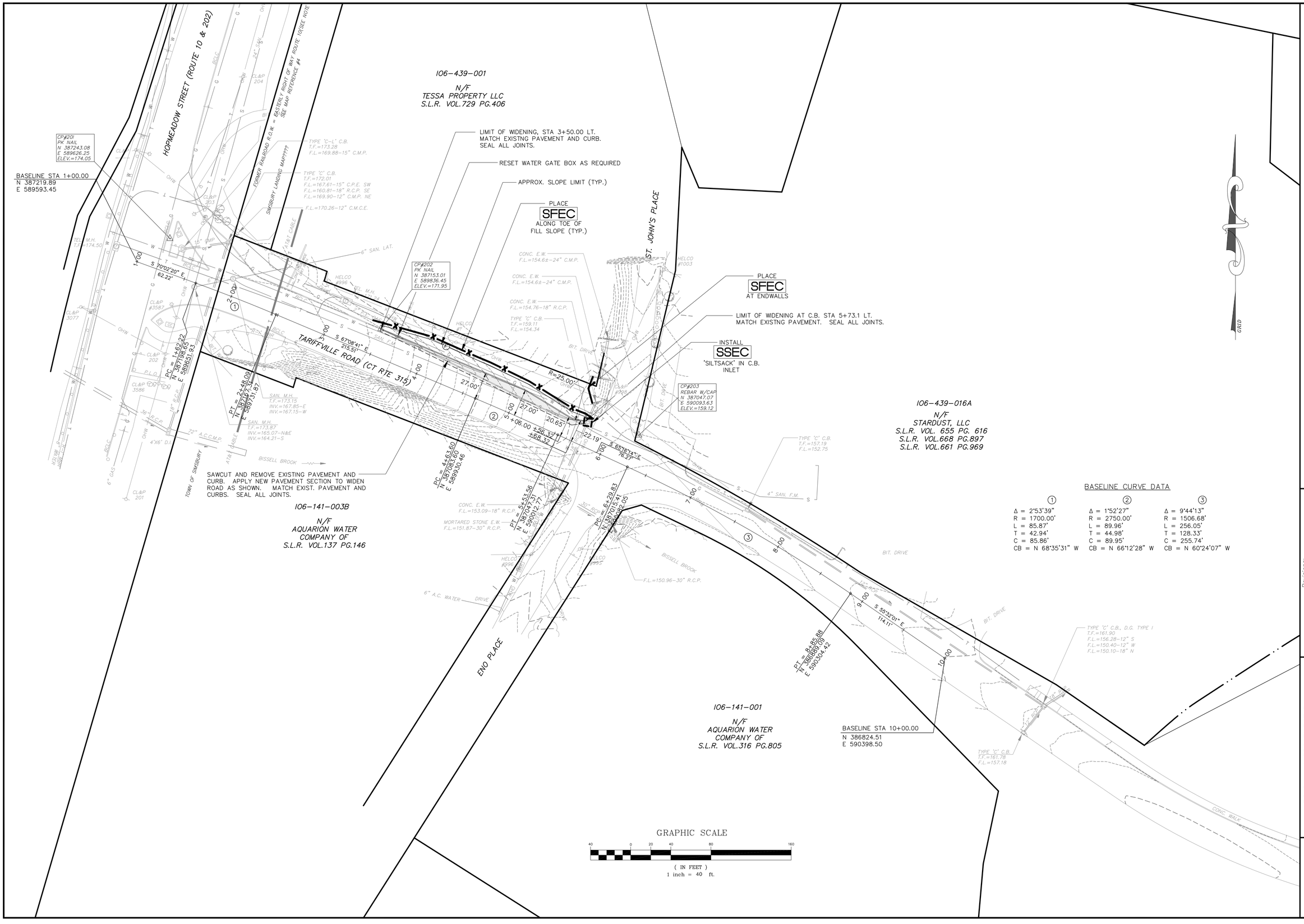
TOWN: TOWN OF SIMSBURY

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO. 1613-20

DRAWING NO. TCS-1

SHEET NO. 14



F. A. Hesketh & Associates, Inc.
6 Creamery Brook, East Granby, CT 06026
Phone (860) 653-8000 Fax (860) 844-8600
Civil & Traffic Engineers · Surveyors · Planners · Landscape Architects
www.fahesketh.com · mail@fahesketh.com

Revisions:

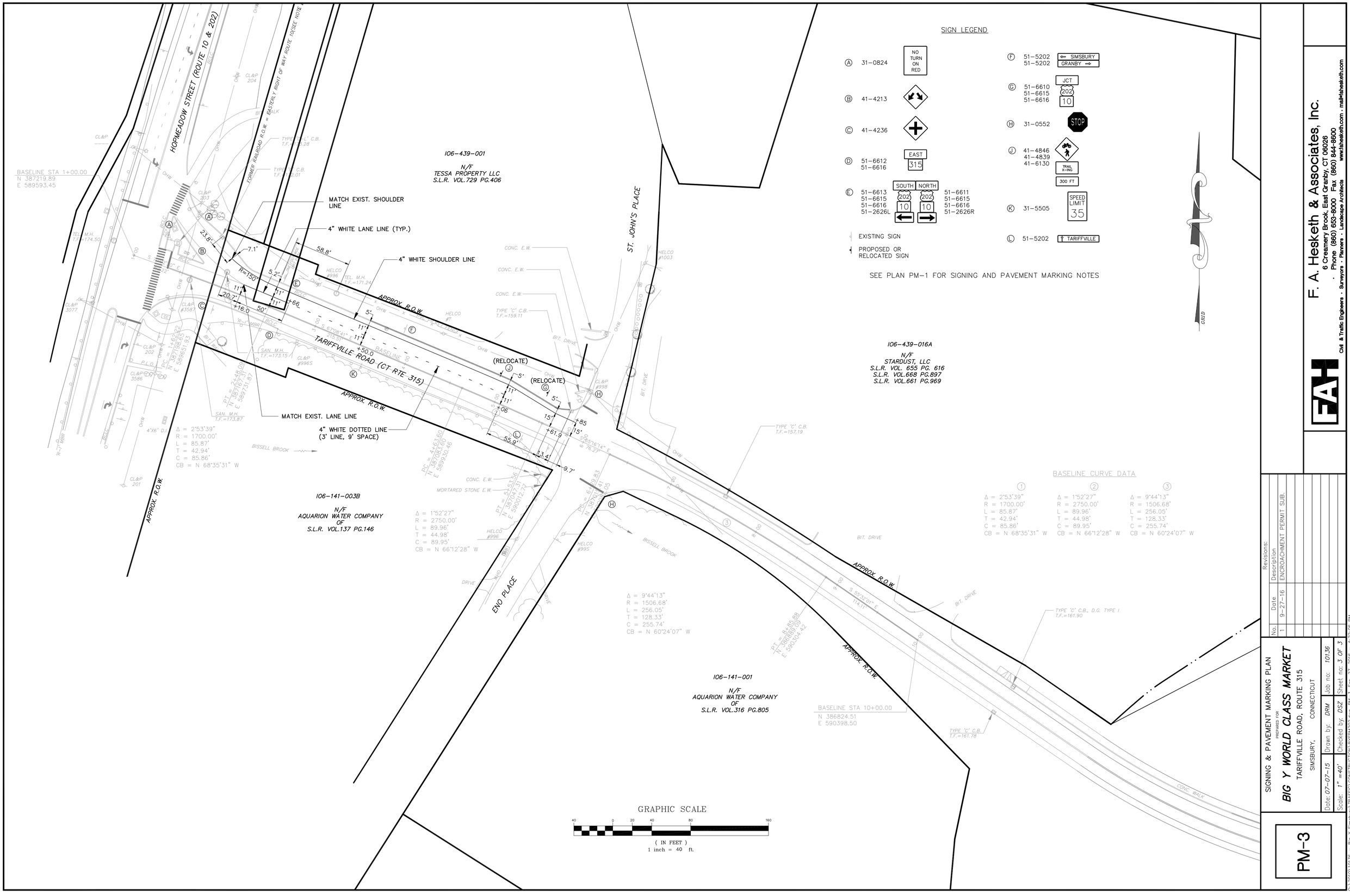
No.	Date	Description
1	9-27-16	ENCROACHMENT PERMIT SUB.

ROADWAY IMPROVEMENT PLAN
PREPARED FOR
BIG Y WORLD CLASS MARKET
TARIFFVILLE ROAD, ROUTE 315
SIMSBURY, CONNECTICUT

Date: 07-07-15 | Drawn by: DRM | Job no: 10136
Scale: 1" =40' | Checked by: DSZ | Sheet no: 3 OF 3

RW-3

Q:\2010\10136 - Big Y Simsbury\TRAFFIC\CONSTRUCTION\BYSRW203.dwg, RW-3, Sep. 27, 2016 - 4:18:48 PM



F. A. Hesketh & Associates, Inc.
6 Creamery Brook, East Granby, CT 06026
Phone (860) 653-8000 Fax (860) 844-8600
Civil & Traffic Engineers • Surveyors • Planners • Landscape Architects
www.fahesketh.com - mail@fahesketh.com

Revisions:

No.	Date	Description
1	9-27-16	ENCROACHMENT PERMIT SUB.

SIGNING & PAVEMENT MARKING PLAN
PREPARED FOR:
BIG Y WORLD CLASS MARKET
TARIFFVILLE ROAD, ROUTE 315
SIMSBURY, CONNECTICUT

Date: 07-07-15 | Drawn by: DRM | Checked by: DSZ | Job no: 101.36 | Sheet no: 3 OF 3

PM-3

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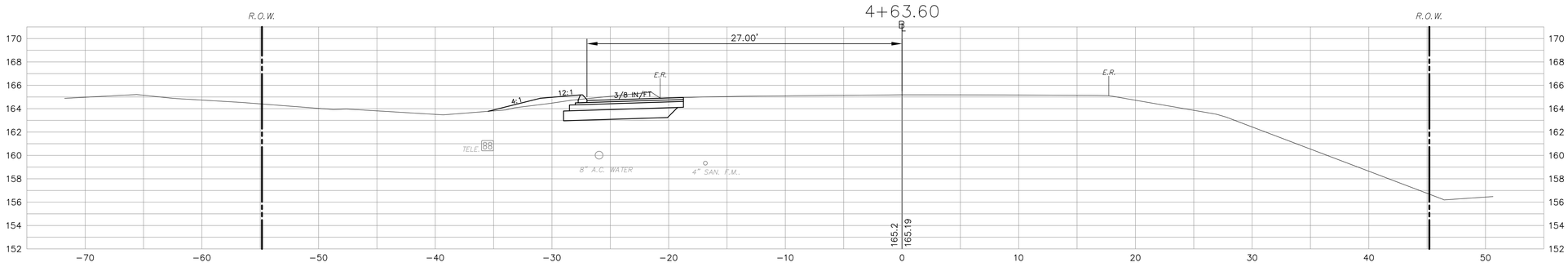

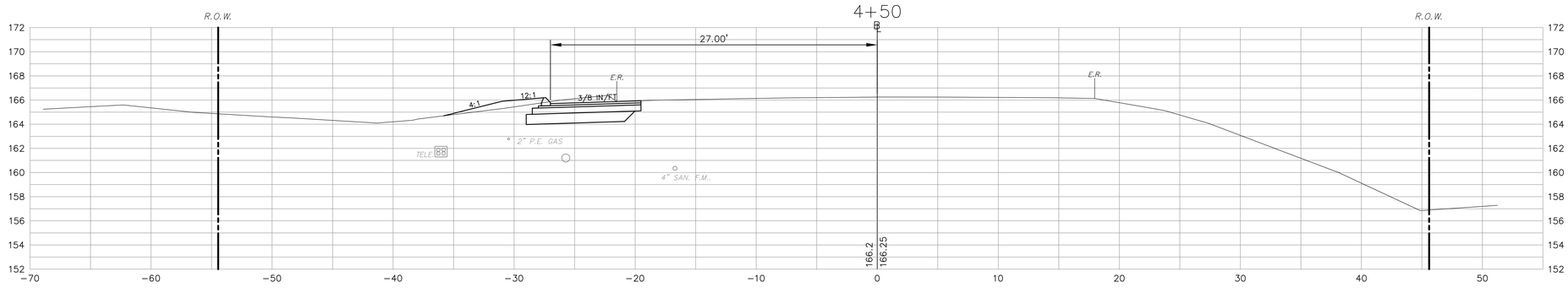

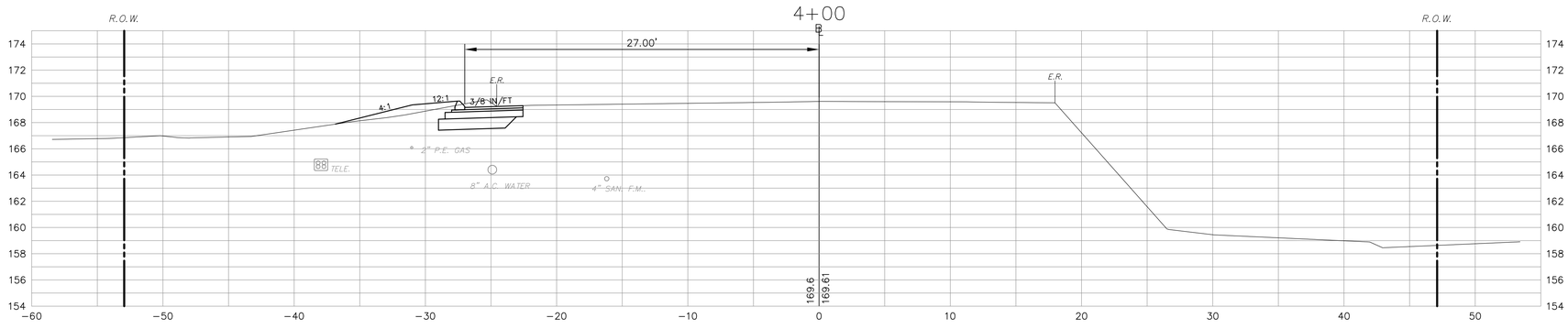

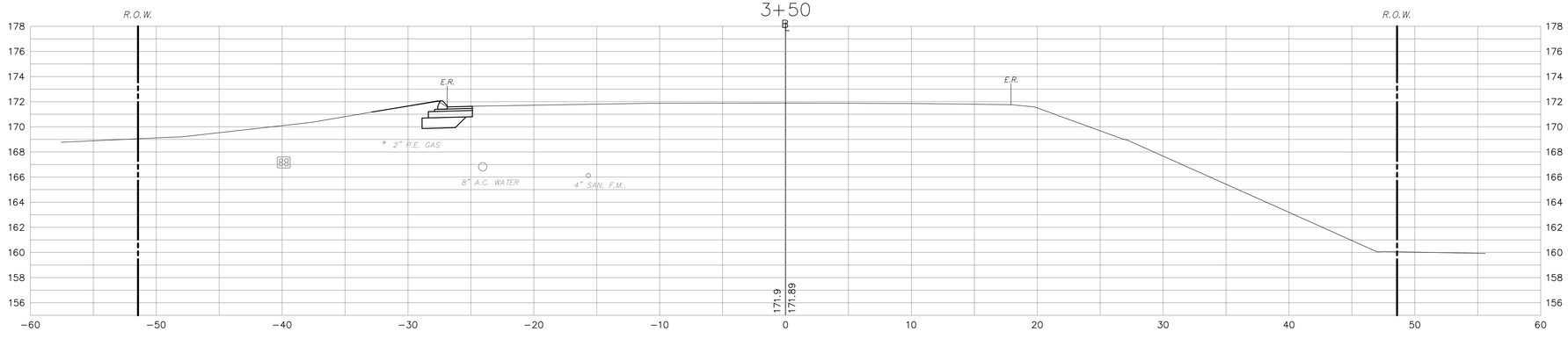

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Fax (860) 844-8600
e-mail mail@fahesketh.com

Revisions:

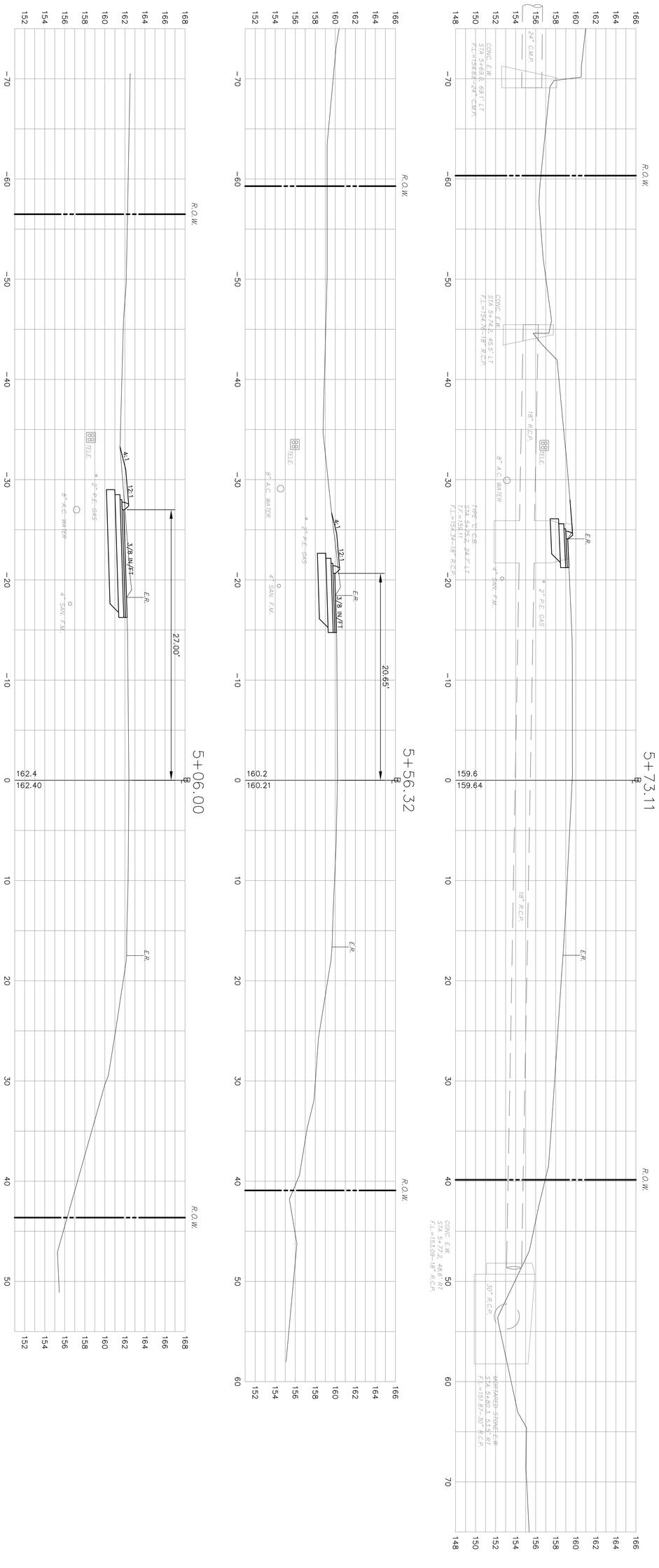
No.	Date	Description
1	9-27-16	ENCROACHMENT PERMIT SUB.

ROADWAY CROSS SECTIONS
PREPARED FOR
BIG Y WORLD CLASS MARKET
TARIFFVILLE ROAD, ROUTE 315
SIMSBURY, CONNECTICUT

Date: 07-07-15 | Drawn by: DRM | Job no: 10136
Scale: 1" =40' | Checked by: SFH | Sheet no: 13 OF 14

XS-13

Q:\2010\10136 - Big Y Simsbury\TRAFFIC\CONSTRUCTION\BY\SXS202.dwg, XS-13, Sep 28, 2016 - 8:33:19 AM



XS-14

ROADWAY CROSS SECTIONS

PREPARED FOR

BIG Y WORLD CLASS MARKET

TARIFFVILLE ROAD, ROUTE 315

SIMSBURY, CONNECTICUT

Date: *07-07-15*	Drawn by: *DRM*	Job no: *10136*	
Scale: *1" =40'*	Checked by: *SFH*	Sheet no:*14 OF 14*	

Revisions:

No.	Date	Description
1	9-27-16	ENCROACHMENT PERMIT SUB.

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Civil & Traffic Engineers Surveyors Planners Landscape Architects
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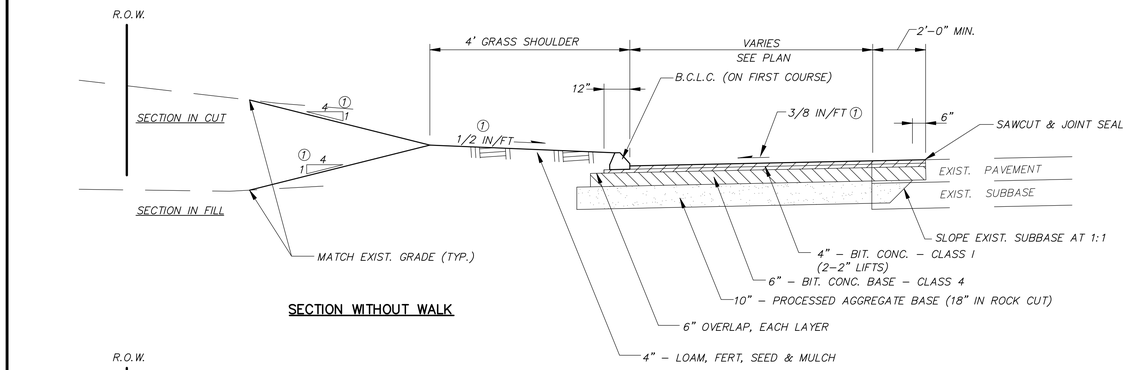
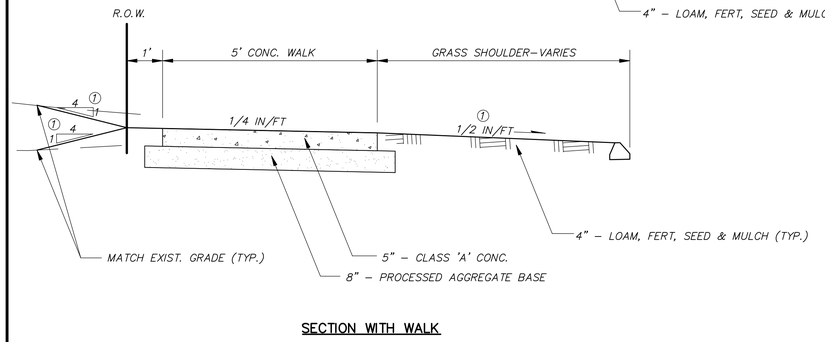
Fax (860) 844-8600
e-mail mail@fahesketh.com



SECTION WITHOUT WALK



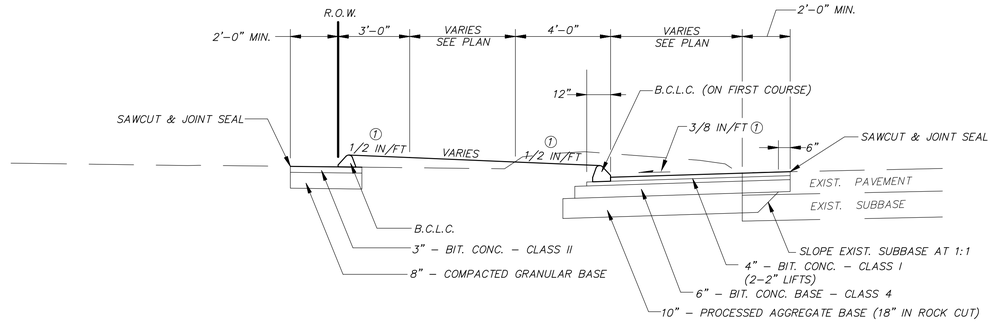
SECTION WITH WALK

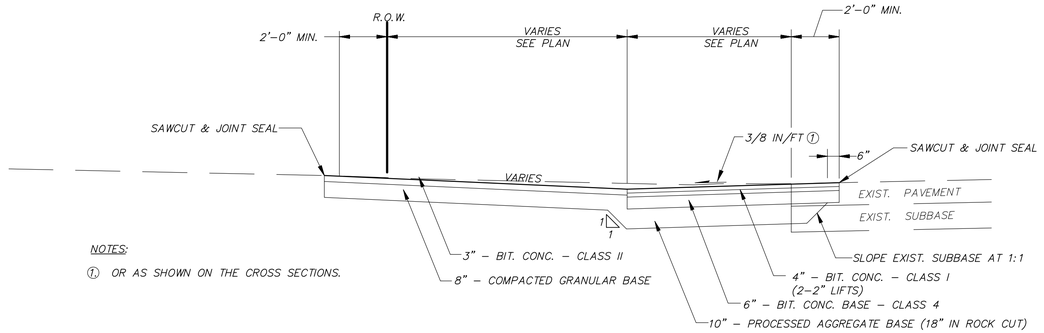
NOTES:

(1) OR AS SHOWN ON THE CROSS SECTIONS.

TYPICAL WIDENING SECTIONS – ROUTE 10, ROUTE 315

N.T.S.



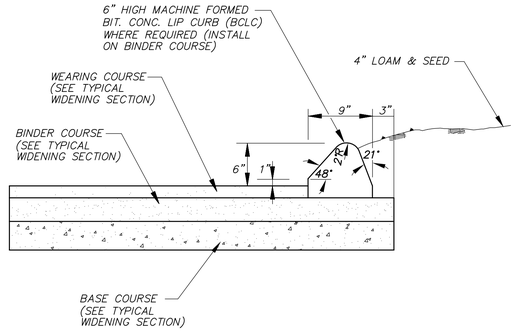


NOTES:

(1) OR AS SHOWN ON THE CROSS SECTIONS.

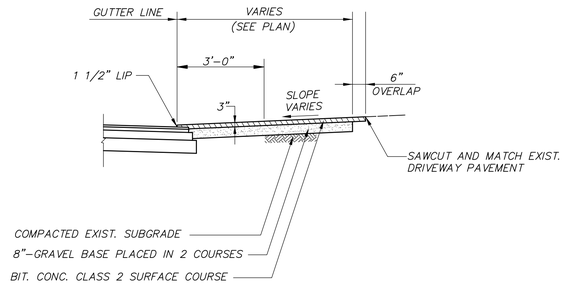
TYPICAL WIDENING SECTIONS – ROUTE 10 AT WAGNER FORD LOT

N.T.S.



BITUMINOUS CONCRETE LIP CURBING (BCLC)

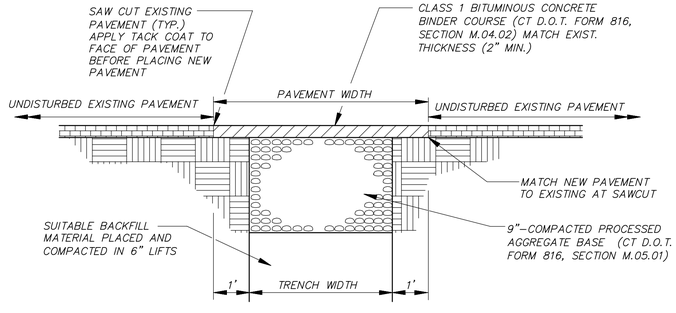
N.T.S.



SECTION

BITUMINOUS CONCRETE DRIVEWAY RAMP DETAIL

N.T.S.



NOTE: 'TRENCH REPAIR DETAIL–PAVEMENT' TO BE USED IN ALL AREAS THAT WILL RECEIVE AN OVERLAY.

TRENCH REPAIR DETAIL – PAVEMENT

N.T.S.

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Fax (860) 844-8600
e-mail mail@hesketh.com

Revisions:

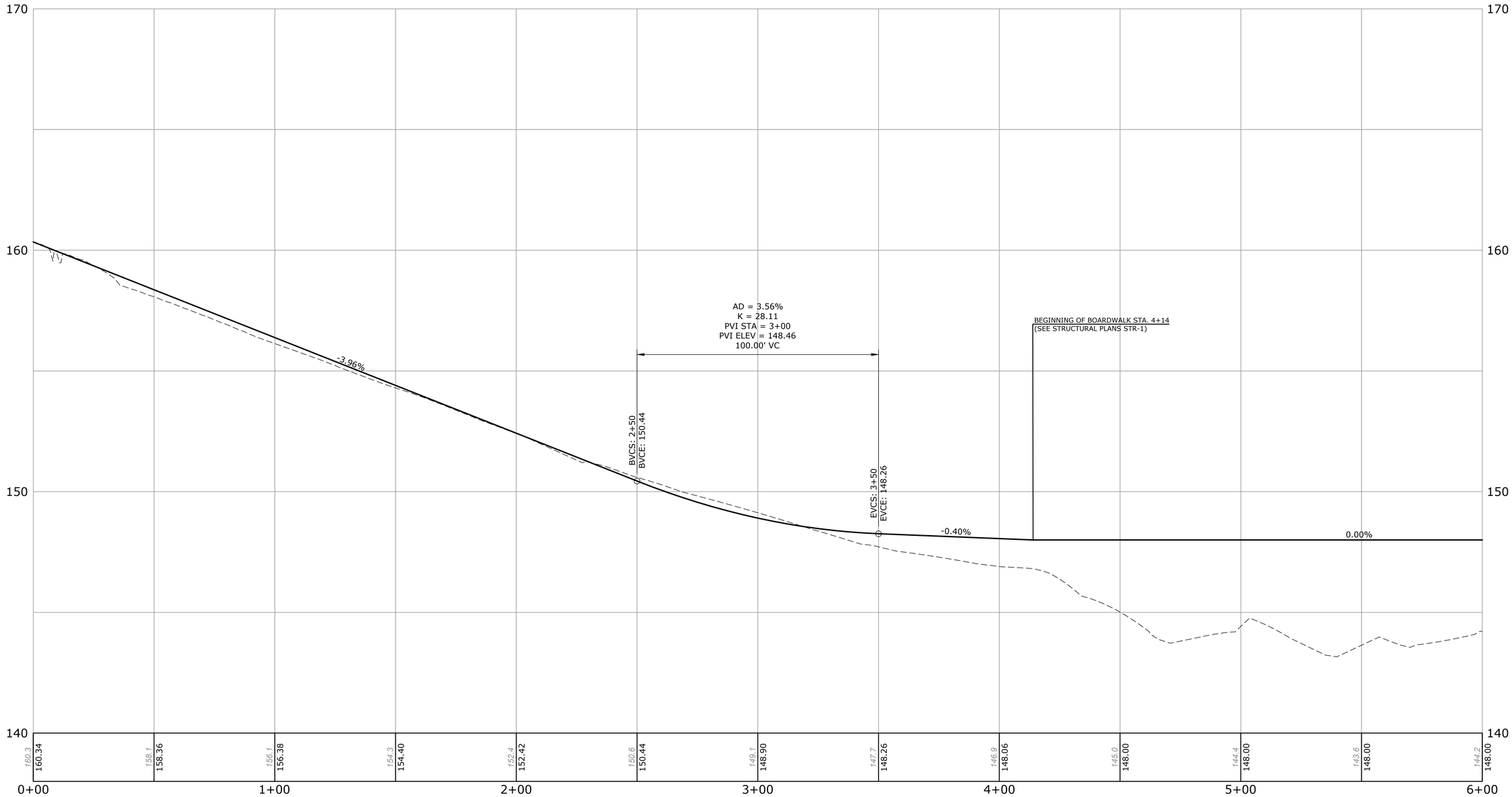
No.	Date	Description
1	9-27-16	ENCROACHMENT PERMIT SUB.

DETAILS
PREPARED FOR
BIG Y WORLD CLASS MARKET
HOPMEADOW STREET, ROUTE 10 & 202
SIMSBURY, CONNECTICUT

Job no: 10136
Drawn by: DRM
Checked by: GAH
Sheet no: 1 OF 4
Date: 07-07-15
Scale: NONE

SD-1

Q:\2010\10136 – Big Y Simsbury\TRAFFIC\CONSTRUCTION\BYSSD102.dwg, SD-1, Sep. 27, 2016 – 4:29:54 PM



SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
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DESCRIPTION	DATE	BY

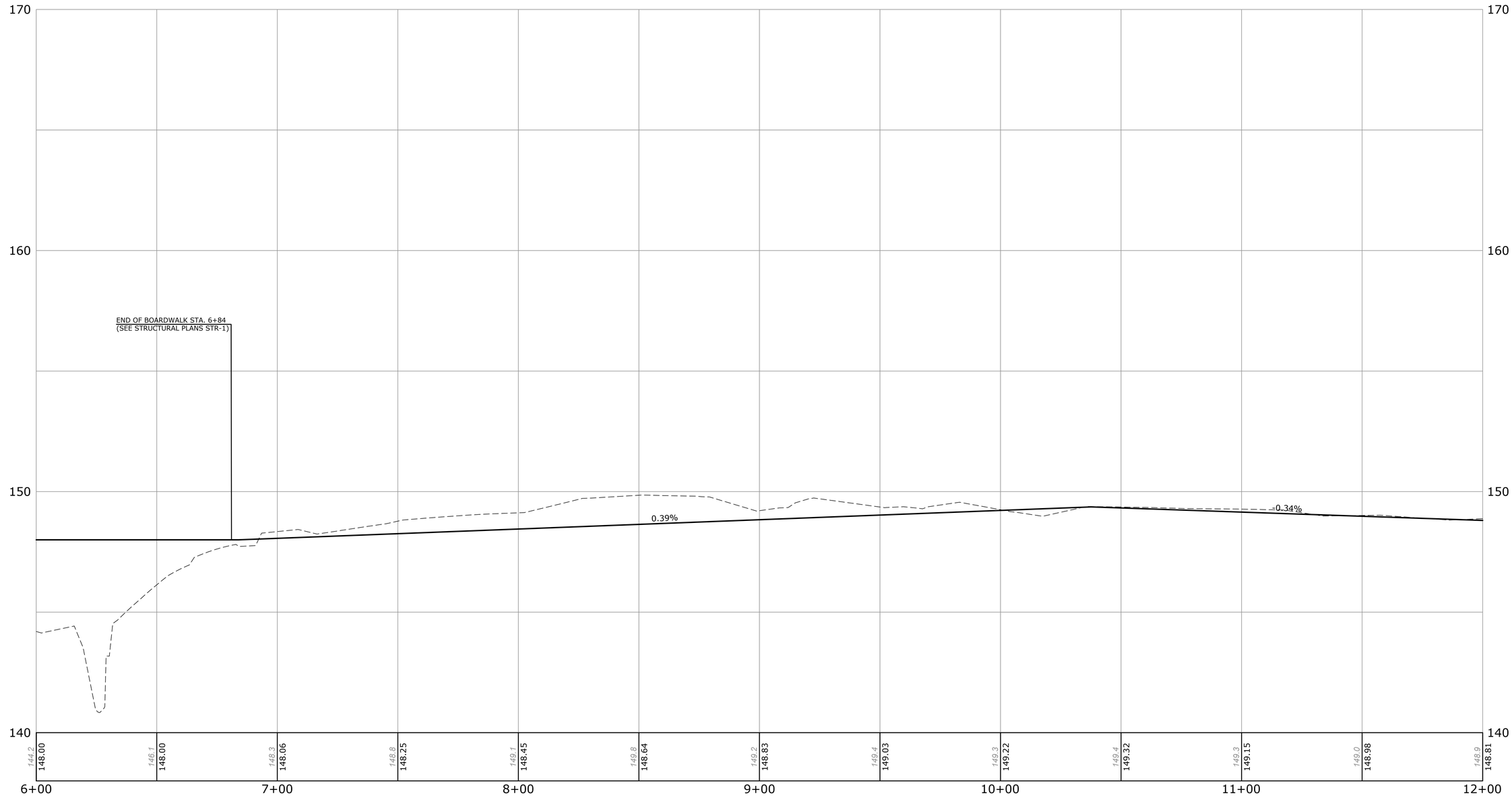
TRAIL - PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

JM	TS	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: PRO-1
SHEET NO.: 20



N
W E
S

0' 15' 30'
0 1/2" 1"

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DESCRIPTION	DATE	BY

TRAIL - PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

JM	TS	MJJ
DESIGNED	DRAWN	CHECKED

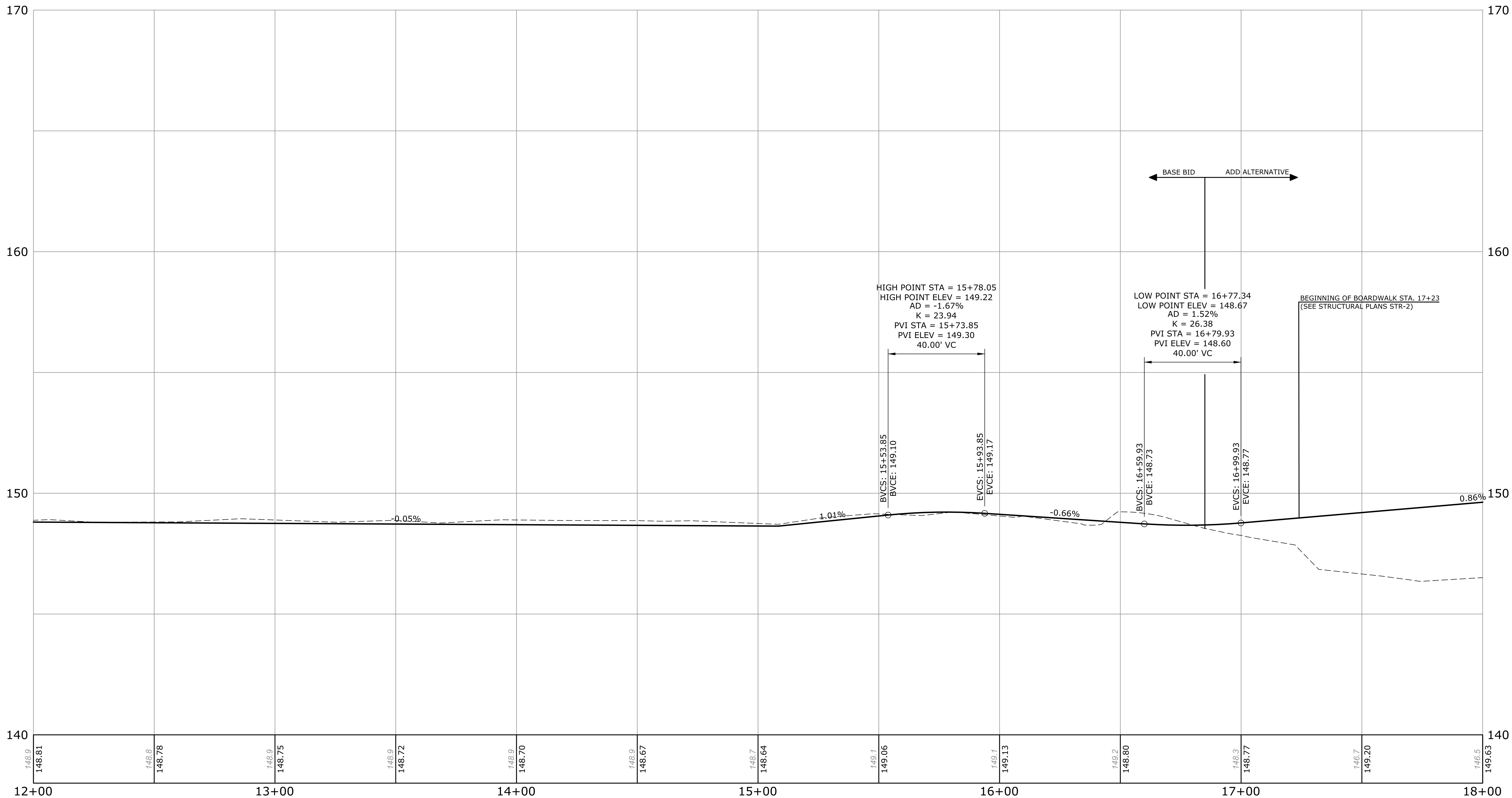
SCALE: 1"=20'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: PRO-2

SHEET NO.: 21



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DESCRIPTION	DATE	BY

TRAIL - PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

JM	TS	MJJ
DESIGNED	DRAWN	CHECKED

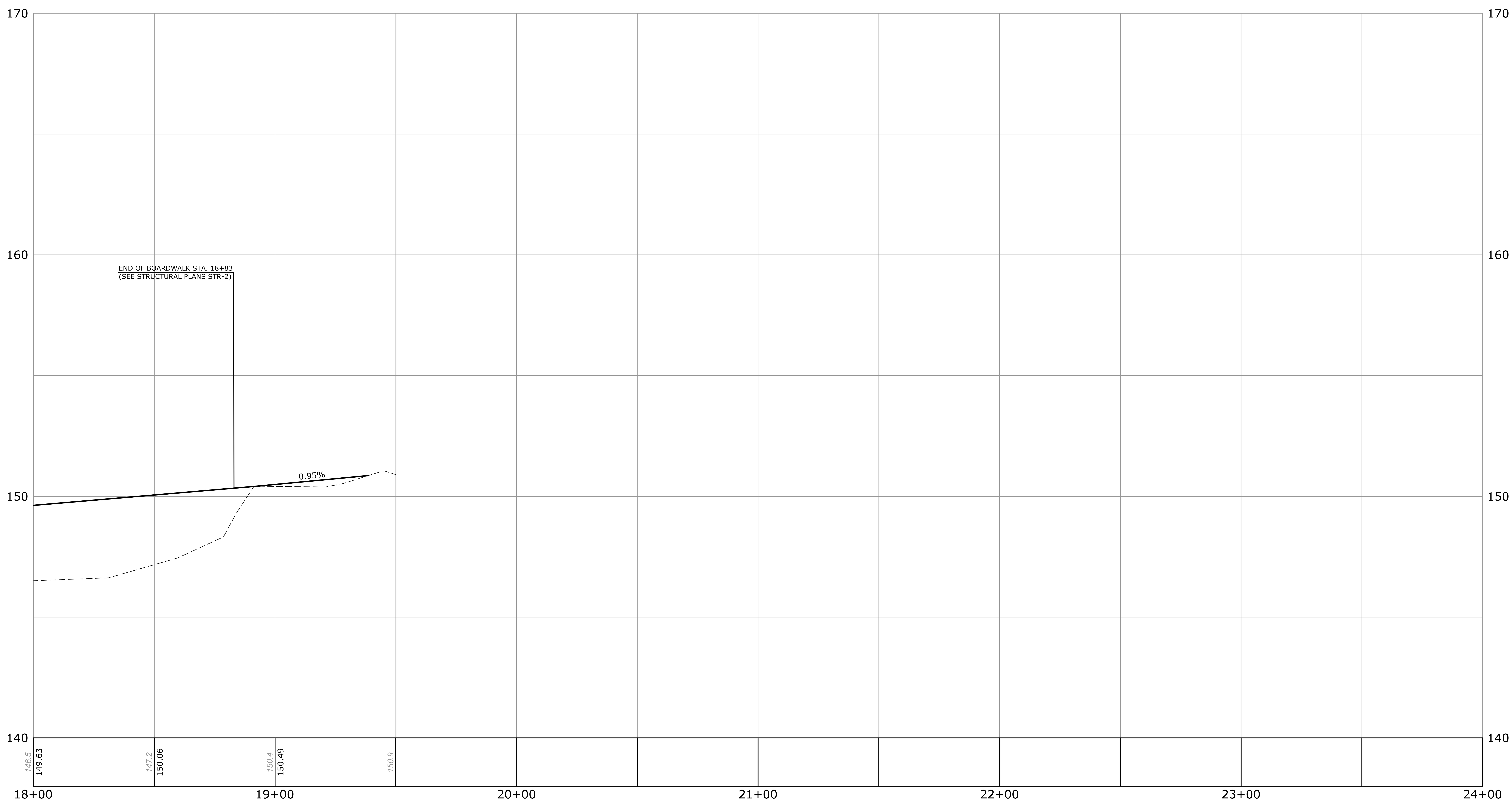
SCALE: 1"=20'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: PRO-3

SHEET NO.: 22



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DESCRIPTION	DATE	BY

TRAIL - PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

JM	TS	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: PRO-4

SHEET NO.: 23

LEGEND

- 100' UPLAND REVIEW AREA (LOCAL)
- FARMINGTON RIVER STATE 1
- FARMINGTON RIVER FEDERAL 1

MATCHLINE RI-02A

0' 20' 40'
0 1/2" 1"

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DESCRIPTION	DATE	BY

REGULATORY IMPACT PLAN (STATE AND FEDERAL IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

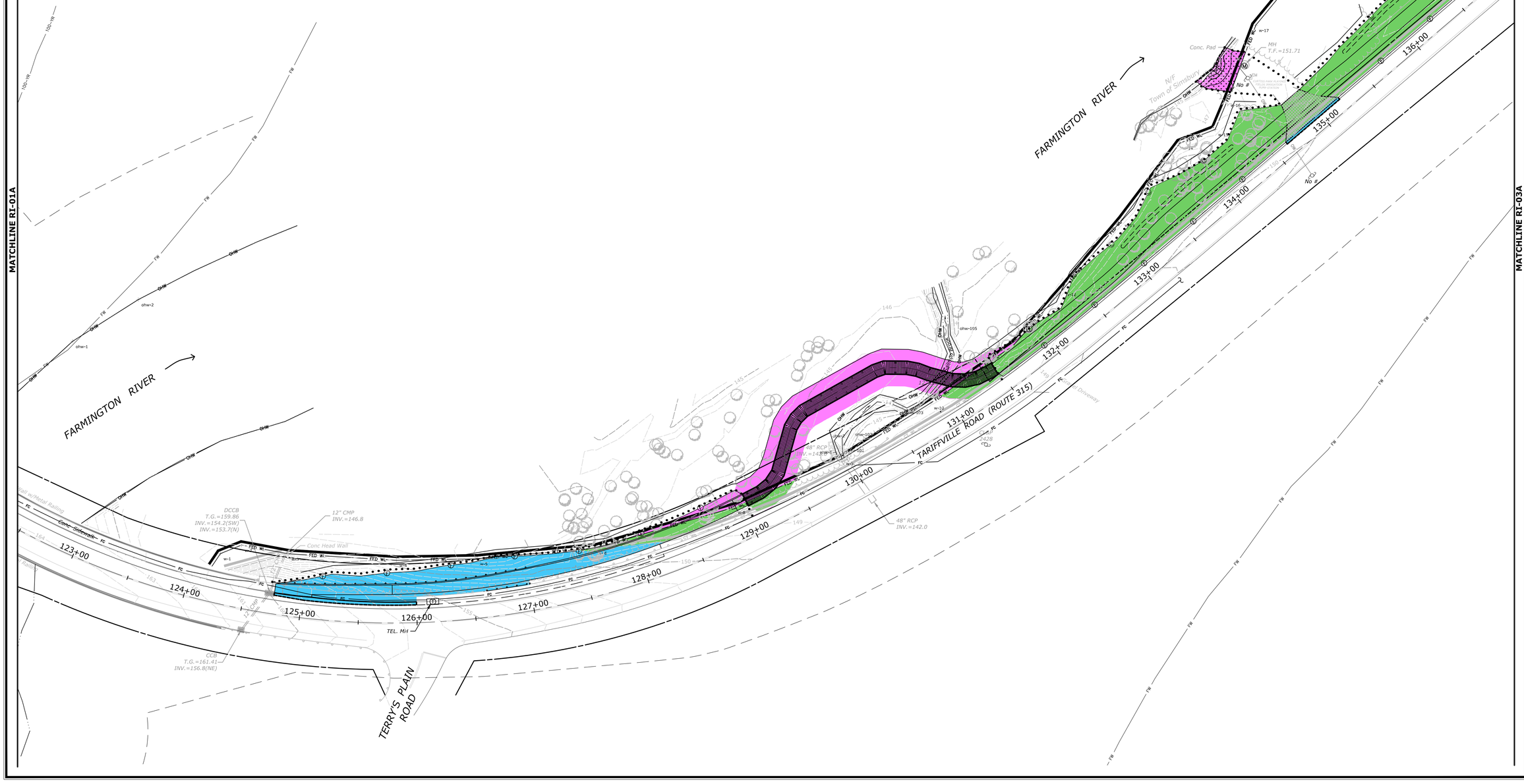
MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=40'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	RI-01A
SHEET NO.	24

LEGEND

- 100' UPLAND REVIEW AREA (LOCAL)
- FARMINGTON RIVER STATE 1
- FARMINGTON RIVER FEDERAL 1

REGULATED RESOURCE ACTIVITIES	
IMPACTS BELOW OHW (ORDINARY HIGH WATERLINE)	10 SF
IMPACT TO STATE 1 WETLANDS	19,825 SF
IMPACT TO FEDERAL 1 WETLANDS (TEMPORARY)	5,300 SF
IMPACT TO FEDERAL 1 WETLANDS (PERMANENT)	990 SF



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DESCRIPTION	DATE	BY

REGULATORY IMPACT PLAN (STATE AND FEDERAL IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=40'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	RI-02A
SHEET NO.	25

LEGEND

- 100' UPLAND REVIEW AREA (LOCAL)
- FARMINGTON RIVER STATE 1
- FARMINGTON RIVER FEDERAL 1

REGULATED RESOURCE ACTIVITIES	
IMPACT TO STATE 1 WETLANDS	20,870 SF

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: RI-03A

SHEET NO.: 26

DESCRIPTION | DATE | BY

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REGULATORY IMPACT PLAN (STATE AND FEDERAL IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

LEGEND

- FLOODWAY
- FLOODPLAIN

MATCHLINE RI-02B

N

0' 20' 40'

0 1/2" 1"

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203.271.1773
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DESCRIPTION	DATE	BY

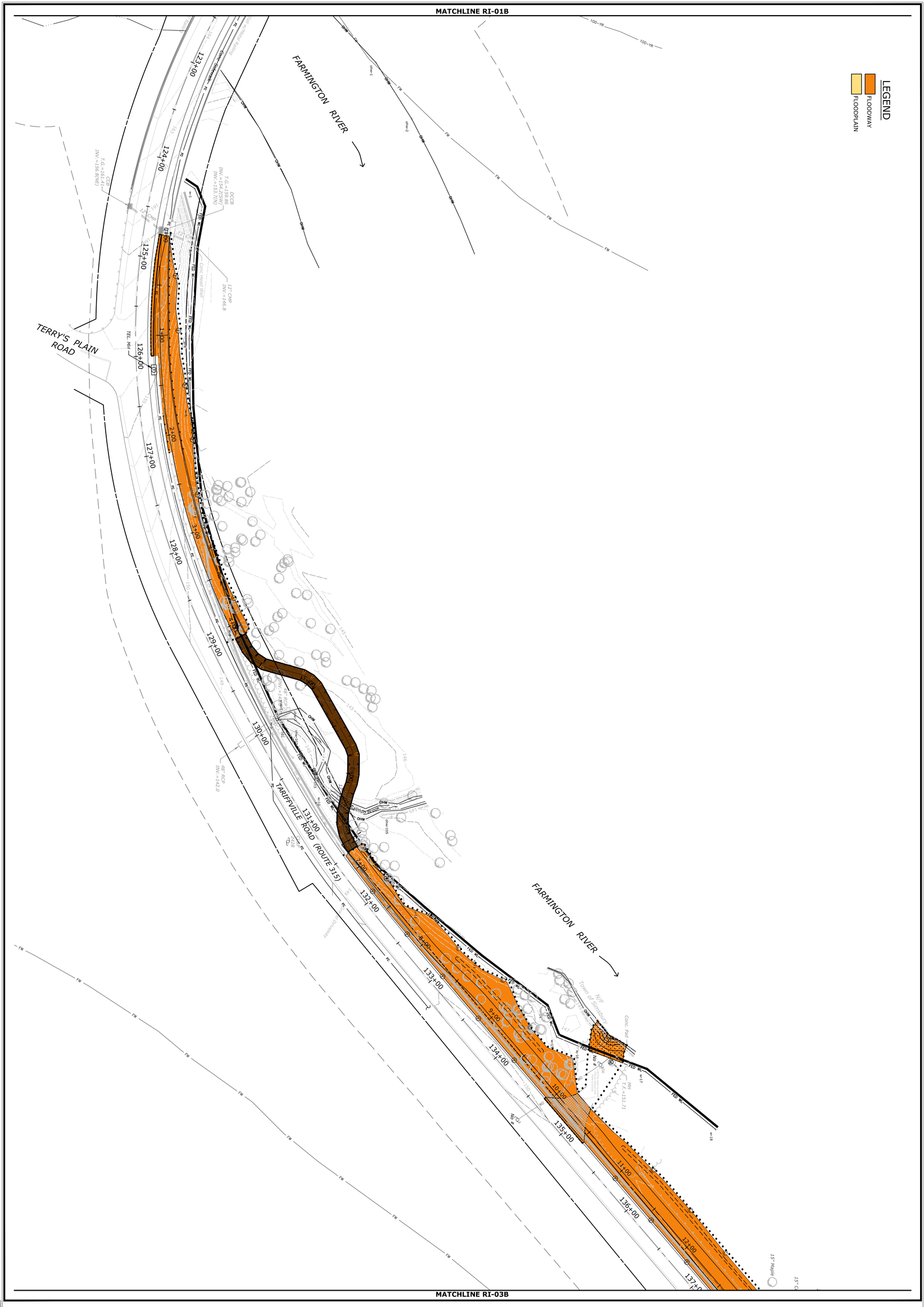
REGULATORY IMPACT PLAN (FLOODWAY AND FLOOD PLAIN IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=40'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	RI-01B
SHEET NO.	27



SHEET NO.	28
DRAWING NO.	RI-02B
PROJECT NO.	1613-20
DATE	MAY 2022
SCALE	1"=40'
DESIGNED	MJJ
DRAWN	ELF
CHECKED	MJJ

REGULATORY IMPACT PLAN (FLOODWAY AND FLOOD PLAIN IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DESCRIPTION	DATE	BY

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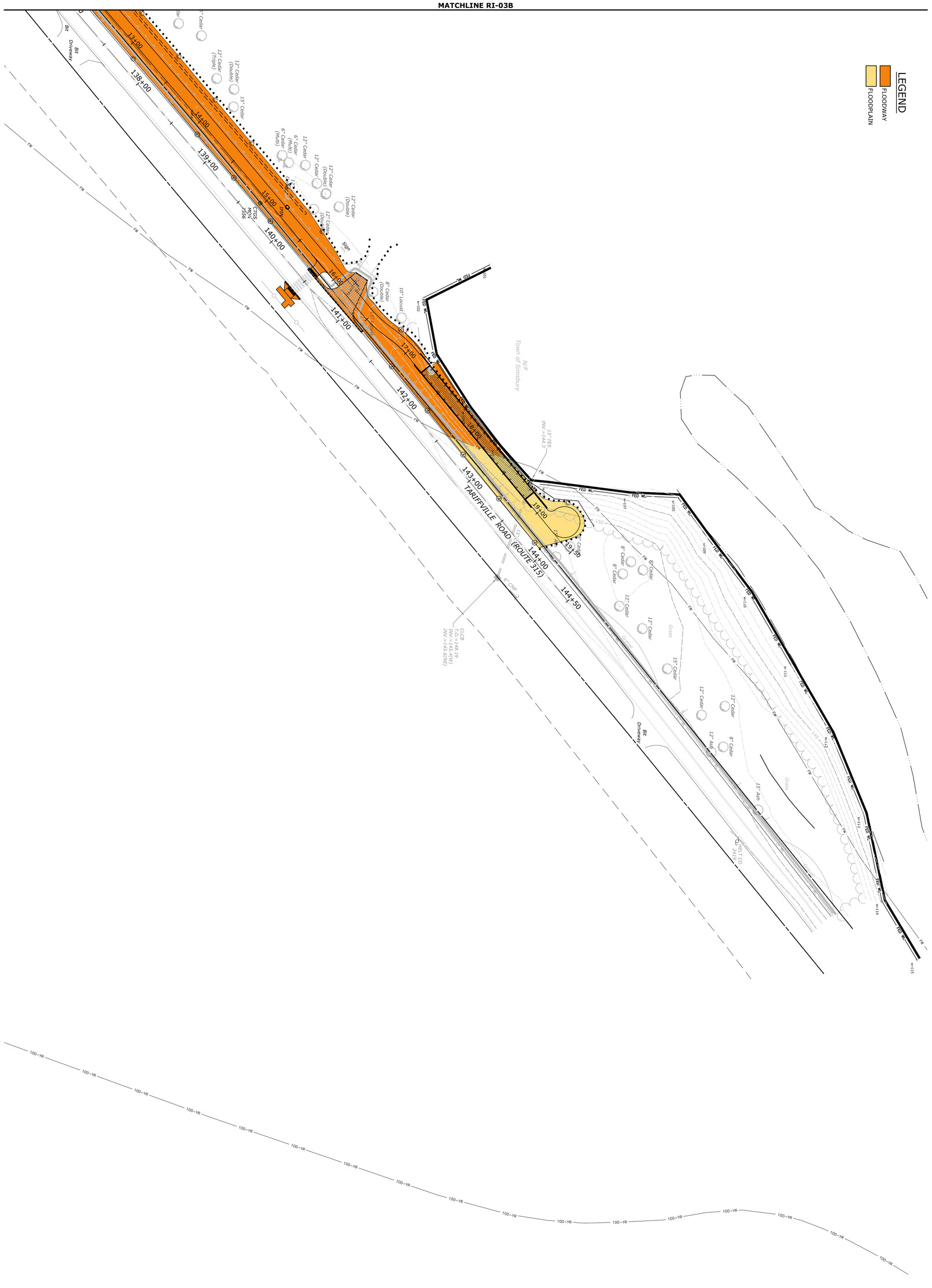
MATCHLINE RI-03B



SHEET NO.	29	
DRAWING NO.	RI-03B	
PROJECT NO.	1613-20	
DATE	MAY 2022	
SCALE	1"=40'	
DESIGNED	MJJ	
DRAWN	ELF	
CHECKED	MJJ	

REGULATORY IMPACT PLAN (FLOODWAY AND FLOOD PLAIN IMPACTS)

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DESCRIPTION	DATE	BY

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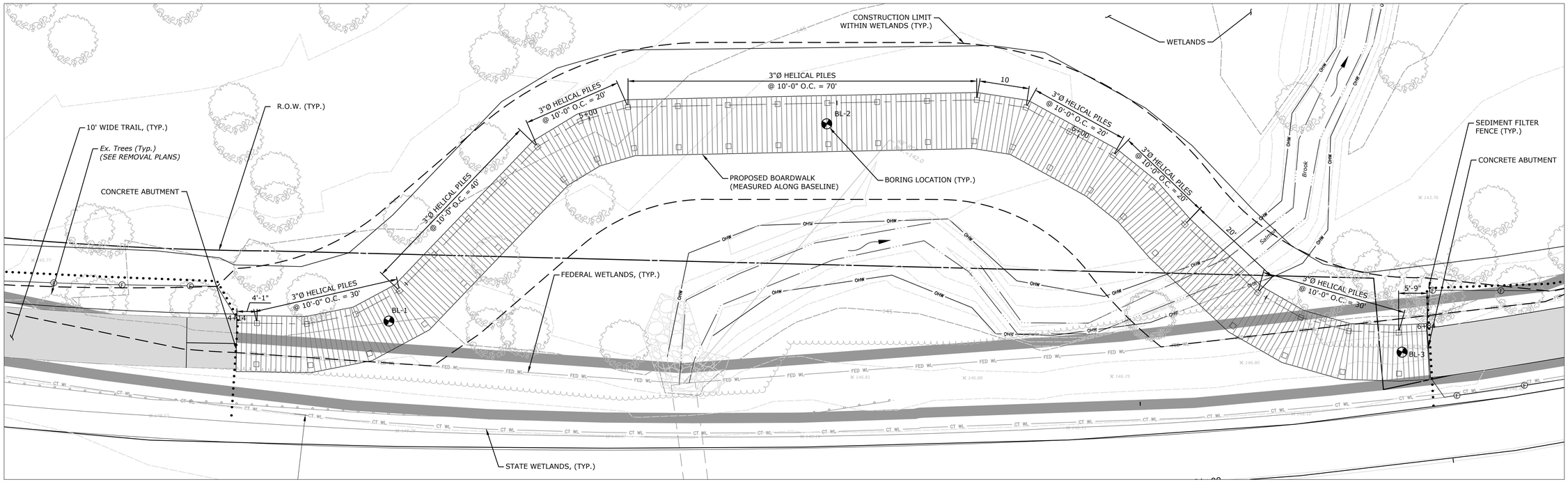
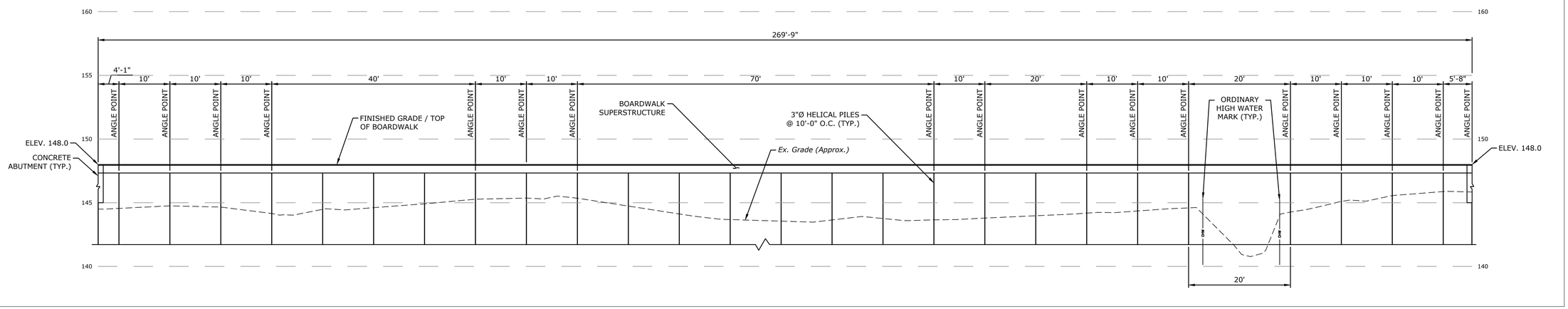


BOARDWALK - PLAN
SCALE 1" = 10'-0"



BOARDWALK - ELEVATION
HORIZ. SCALE 1" = 10'-0"
VERT. SCALE 1/4" = 1'-0"

NOTES:

1. RAILING WAS NOT SHOWN FOR CLARITY.
2. HELICAL PILES TO BE BATTERED @ EVERY ±50'0".

TYPICAL CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY ACCESS PATH AS REQUIRED TO INSTALL HELICAL PILES.
2. INSTALL BOARDWALK FRAMING.
3. INSTALL BOARDWALK AS DETAILED.
4. REMOVE TEMPORARY ACCESS PATH.
5. RESTORE DISTURBED AREAS.

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DESCRIPTION	DATE	BY

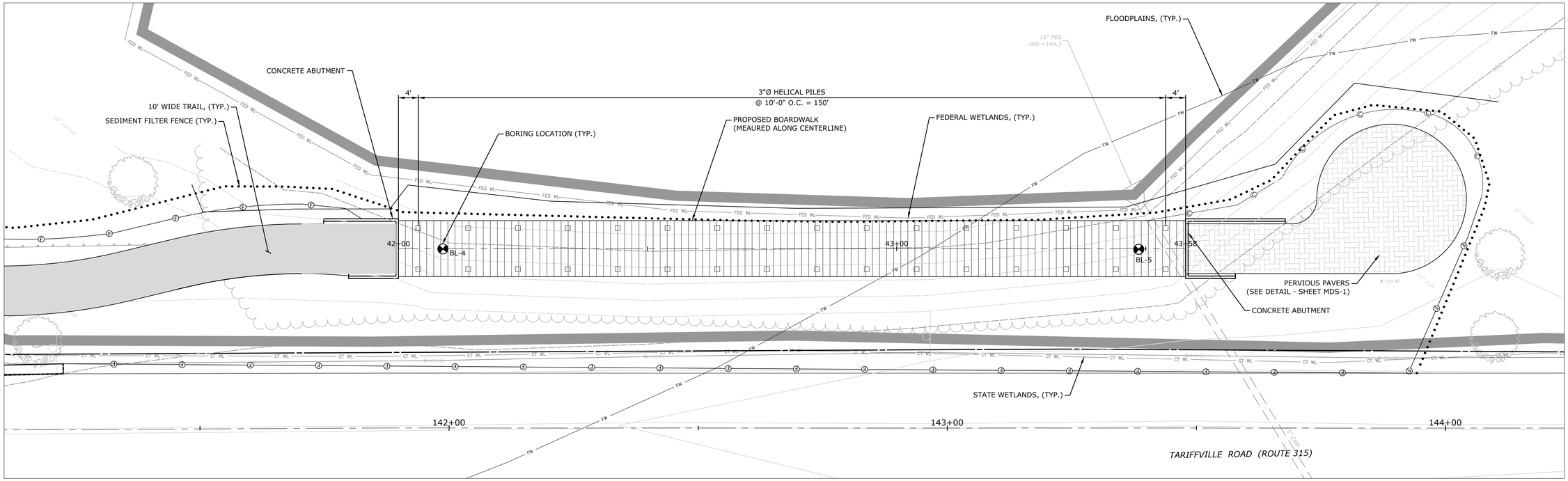
STRUCTURAL PLAN AND PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

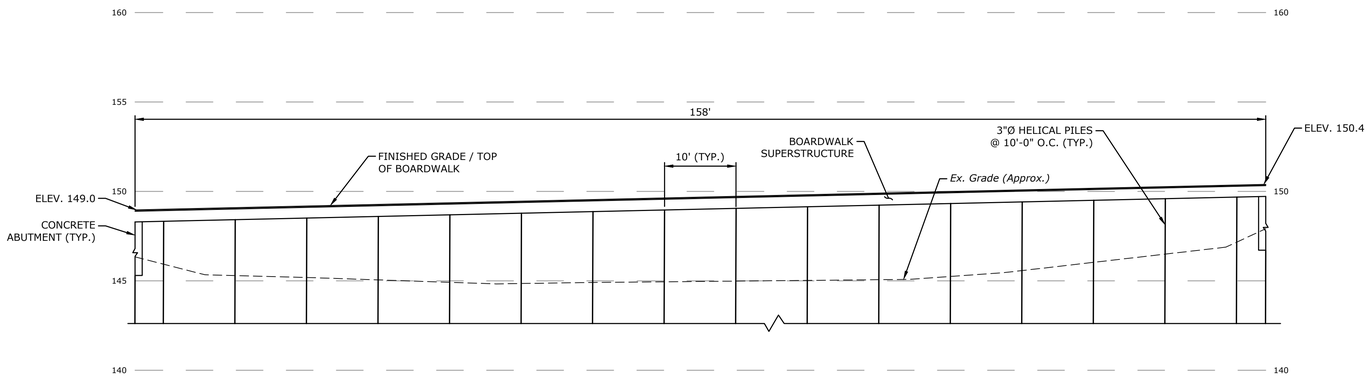
MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=10'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	STR-1
SHEET NO.	30



BOARDWALK - PLAN

SCALE 1" = 10'-0"



BOARDWALK - ELEVATION

HORIZ. SCALE 1" = 10'-0"
VERT. SCALE 1/4" = 1'-0"

TYPICAL CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY ACCESS PATH AS REQUIRED TO INSTALL HELICAL PILES.
2. INSTALL BOARDWALK FRAMING.
3. INSTALL BOARDWALK AS DETAILED.
4. REMOVE TEMPORARY ACCESS PATH.
5. RESTORE DISTURBED AREAS.

NOTES:

1. RAILING WAS NOT SHOWN FOR CLARITY.
2. HELICAL PILES TO BE BATTERED @ EVERY ±50'0".

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION | DATE | BY

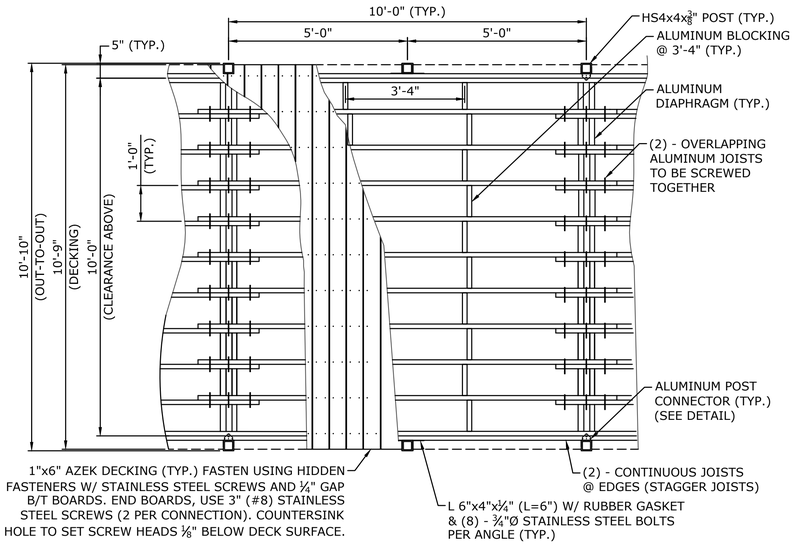
STRUCTURAL PLAN AND PROFILE

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

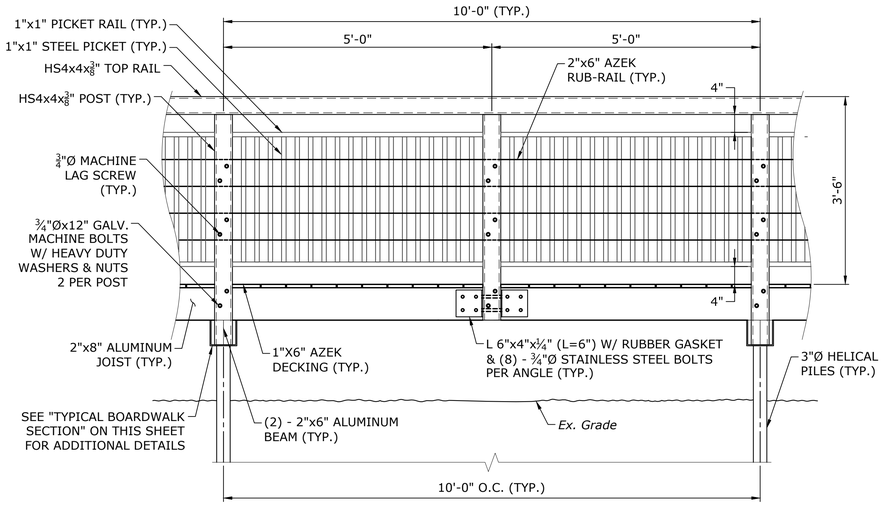
DESIGNED	DRAWN	CHECKED
MJJ	ELF	MJJ

SCALE: 1"=10'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: STR-2
SHEET NO.: 31



BOARDWALK FRAMING PLAN

SCALE: ½"=1'-0"

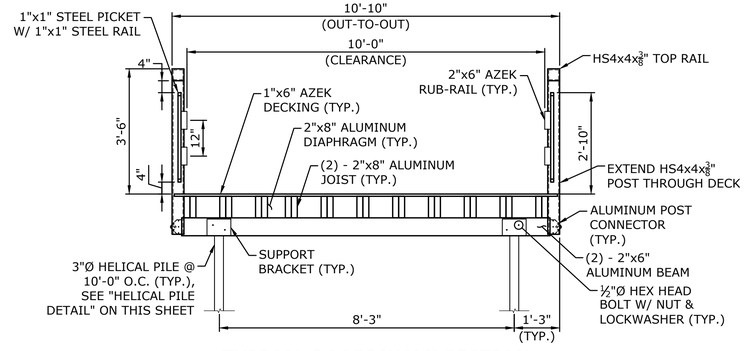


TYPICAL BOARDWALK ELEVATION

SCALE: ¾"=1'-0"

NOTES

ALL STEEL RAILING ELEMENTS TO BE POWDER-COATED BLACK.



TYPICAL BOARDWALK SECTION

SCALE: ½"=1'-0"

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DESCRIPTION	DATE	BY

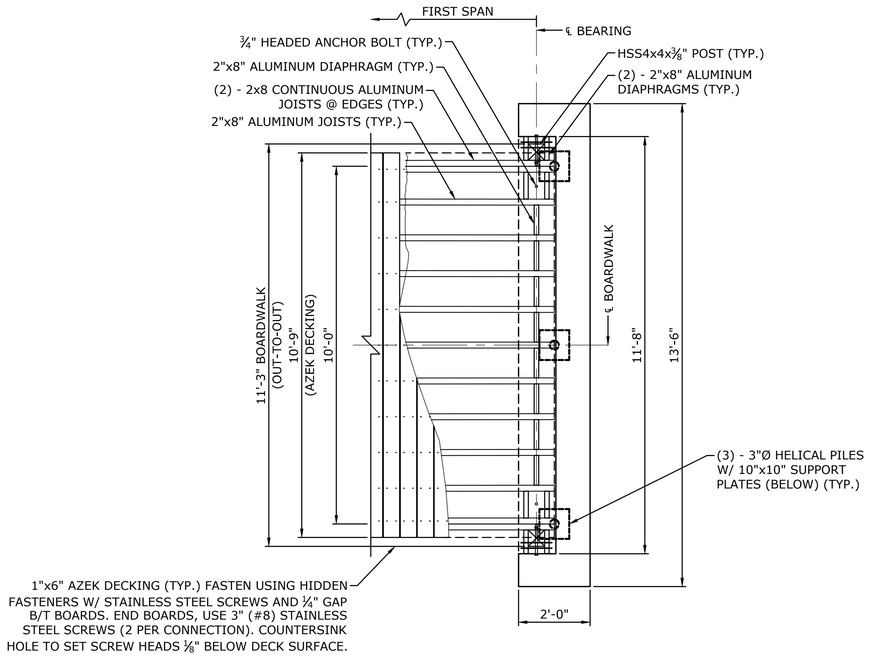
STRUCTURAL DETAILS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

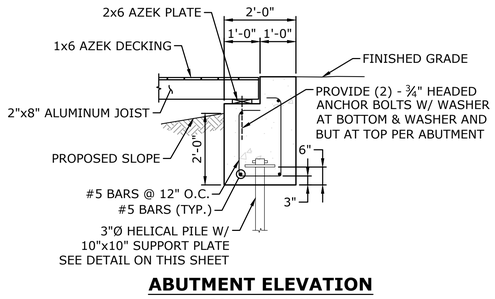
MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	AS NOTED
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	STRD-1
SHEET NO.	32



TYPICAL ABUTMENT PLAN

SCALE: ½"=1'-0"



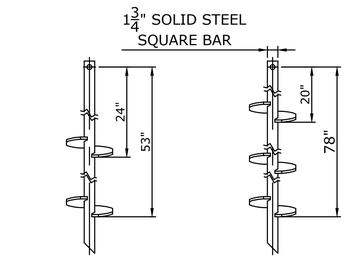
ABUTMENT ELEVATION

SCALE: ½"=1'-0"

NOTES FOR HELICAL PILES

HELICAL PILES

1. HELICAL PILES SHALL BE INSTALLED TO A MINIMUM CAPACITY OF 10 KIPS.
2. HELICAL PILES AND THEIR COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF THE RECOMMENDATIONS FOR PRE-STRESSED ROCK AND SOIL ANCHORS, LATEST EDITION, ADOPTED BY THE POST-TENSIONING INSTITUTE.
3. HELICAL PILES AND THEIR COMPONENTS SHALL BE PROTECTED FROM CORROSION. CORROSION PROTECTION SHALL INCLUDE DELIVERY AND STORAGE METHOD FOR TENDONS OR BARS, ADEQUATE BOREHOLE DIAMETER, PVC SHEATHING IN FREE LENGTH, TEMPORARY AND PERMANENT LUBRICANTS, PERMANENT SHEATHING OF TENDON, COVER BOX FOR ANCHORAGE HEAD, CORRUGATED PVC PIPE FOR CASING, IF REQUIRED, AND CONSOLIDATION GROUT FOR ANCHOR ZONE.
4. BEARING PLATES SHALL CONFORM TO ASTM A36, EPOXY COATED.
5. COMPLETED ANCHORS SHALL BE LOCKED-OFF TO 80% OF DESIGN SERVICE LOAD. STRESSING, PERFORMANCE TESTING, AND PROOF TESTS SHALL CONFORM TO THE REQUIREMENTS OF THE RECOMMENDATIONS FOR PRE-STRESSED ROCK AND SOIL ANCHORS LATEST EDITION, ADOPTED BY THE POST-TENSIONING INSTITUTE.



TWIN HELIX LEAD SECTION

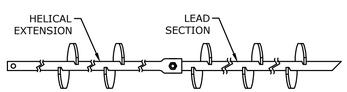
N.T.S

C110-0692
TWIN HELIX LEAD SECTION

TRIPLE HELIX LEAD SECTION

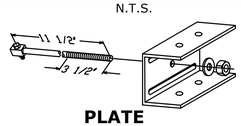
N.T.S.

C110-0691
TRIPLE HELIX LEAD SECTION



TYPICAL HELICAL PILE ASSEMBLY

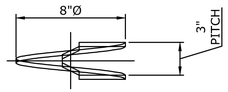
N.T.S.



PLATE

N.T.S.

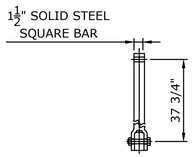
PLATE
E150-0088



TYPICAL HELIX DETAIL

N.T.S.

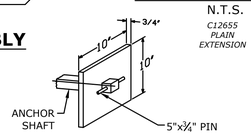
NOTE: HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM).



PLAIN EXTENSION

N.T.S.

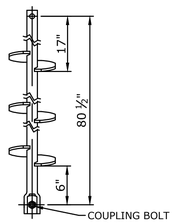
C12655
PLAIN EXTENSION



TYPICAL END PLATE DETAIL

N.T.S.

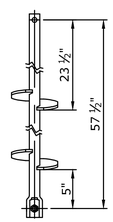
PLATE
T110-0671



TRIPLE HELIX EXTENSION

N.T.S.

C110-0689
TRIPLE HELIX EXTENSION



TWIN HELIX EXTENSION

N.T.S.

C110-0690
TWIN HELIX EXTENSION

NOTES

1. HOT DIP GALVANIZED PER ASTM A153 - (LATEST REV.)
2. LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL, EXPECT SOME VARIANCE.
3. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
4. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODED D1.1.

HELICAL PILE DETAILS

N.T.S.

GENERAL NOTES

1. THE CONTRACTOR SHALL OBTAIN A BUILDING PERMIT PRIOR TO THE BEGINNING OF WORK.
2. THE BOARDWALK AND DECKING SHALL BE AZEK, COLOR AND STYLE SHALL BE COORDINATED WITH TOWN
3. ALL NAILS, SCREWS, CONNECTORS, BRACKETS, AND FASTENERS ARE TO BE HOT DIP GALVANIZED.
4. BOARDWALK IS TO HAVE FOOTINGS AS SHOWN IN DETAILS ON THIS SHEET.

FASTENING NOTES

1. BEAMS TO POSTS - 3/4"Ø MACHINE BOLTS, LENGTH AS NEEDED, 2 PER CONNECTION.
2. JOISTS TO BEAMS - 3" GALVANIZED SCREWS.
3. DECKING TO JOISTS - 3" GALVANIZED SCREWS.
4. RAILINGS TO SUPPORTS - 3" GALVANIZED SCREWS.
5. RAIL SUPPORTS TO JOISTS - 3/4"Ø CARRIAGE BOLTS, 2 PER CONNECTION, LENGTH AS REQUIRED.
6. POSTS TO JOISTS - 3/4"Ø CARRIAGE BOLTS, LENGTH AS REQUIRED, 2 PER CONNECTION.

CONCRETE NOTES

1. REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.
2. PCC03340 CONCRETE: CONCRETE SHALL BE USED FOR THE CONCRETE ABUTMENT.
3. CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS DIMENSIONED OTHERWISE.
4. REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

BOARDWALK

PART 1 - GENERAL

DESCRIPTION OF WORK: BOARDWALK CONSTRUCTION INCLUDES THE FOLLOWING TYPES OF WORK:

- CONCRETE ABUTMENTS
- HELICAL PILES
- ALUMINUM FRAMING
- AZEK DECKING

SUBMITTALS:

PRODUCT DATA: SUBMIT MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR MATERIALS LISTED BELOW:

PART 2 - PRODUCTS

MATERIALS:

FASTENERS AND ANCHORAGES: PROVIDE SIZE, TYPE, MATERIAL AND FINISH AS INDICATED AND AS RECOMMENDED BY APPLICABLE STANDARDS, COMPLYING WITH APPLICABLE FEDERAL SPECIFICATIONS FOR NAILS, STAPLES, SCREWS, BOLTS, NUTS, WASHERS AND ANCHORING DEVICES. PROVIDE METAL HANGERS AND FRAMING ANCHORS OF THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER FOR EACH USE INCLUDING RECOMMENDED NAILS. PROVIDE FASTENERS AND ANCHORAGES WITH A HOT-DIP ZINC COATING (ASTM A 153).

PART 3 - EXECUTION

MATERIALS, GENERAL:

ADA ACCESSIBILITY THE ENTIRE BOARDWALK IS TO BE HANDICAP ACCESSIBLE. REFER TO GRADING PLAN AND SET TOP OF WALK ELEVATIONS. NO GRADES ALONG THE BOARDWALK TO EXCEED 8.3%.

NOT FOR CONSTRUCTION

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DESCRIPTION	DATE	BY

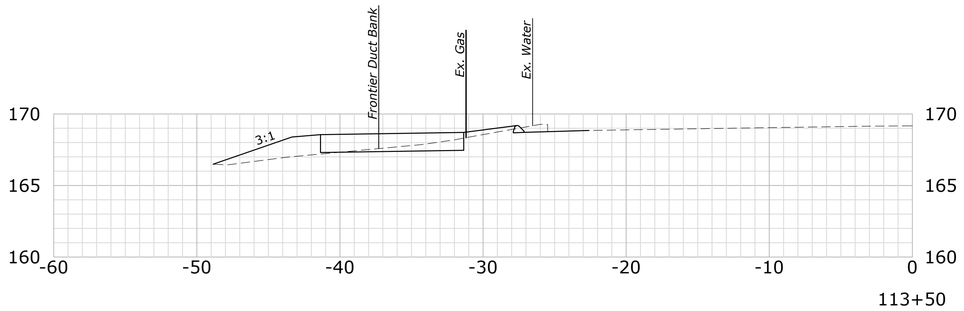
STRUCTURAL DETAILS

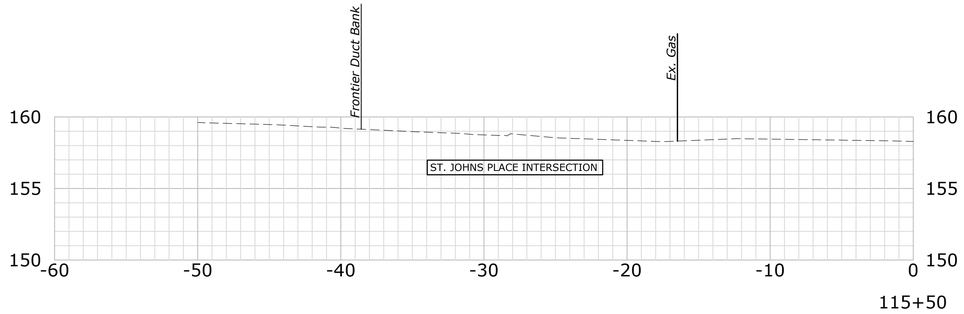
TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

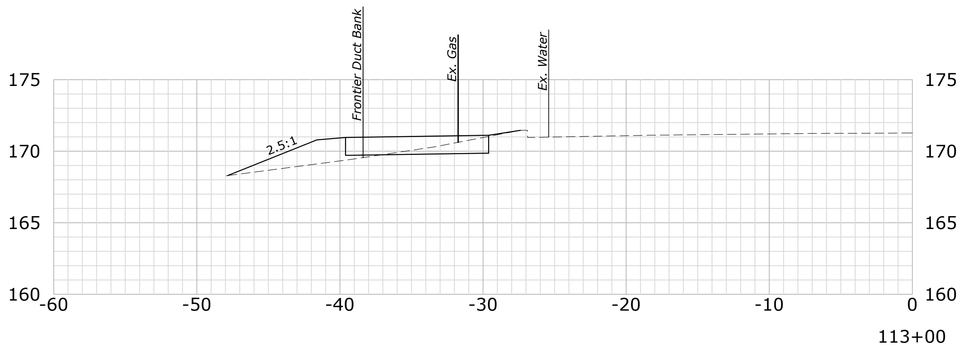
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

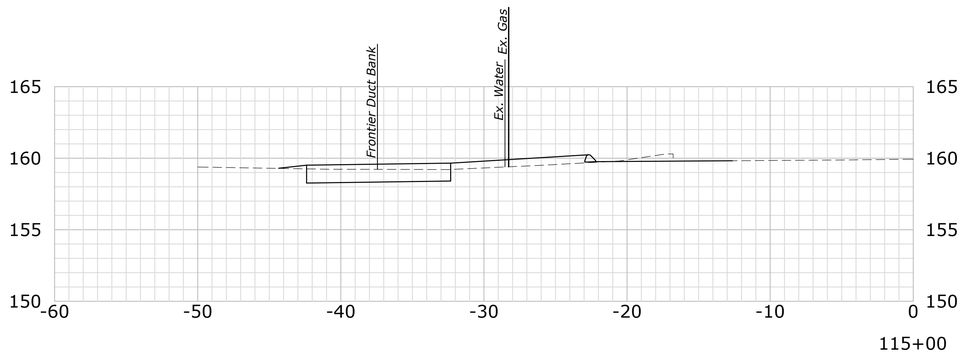
MJJ	ELF	MJJ
DESIGNED	DRAWN	CHECKED

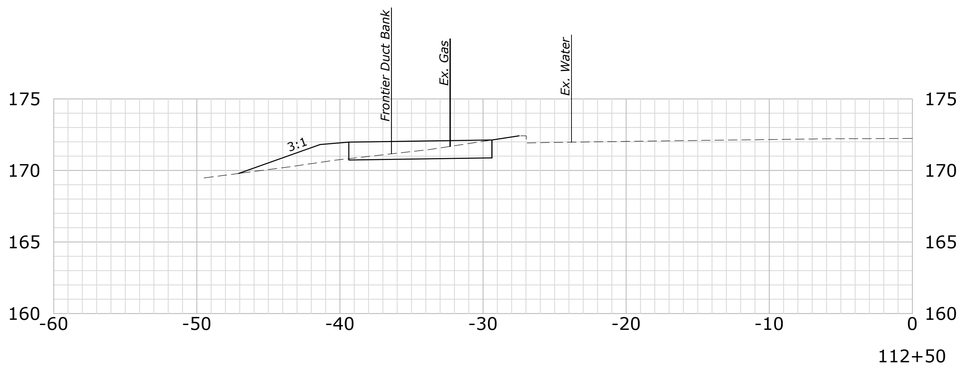
AS NOTED — SCALE
MAY 2022 — DATE
1613-20 — PROJECT NO.
STRD-2 — DRAWING NO.
33 — SHEET NO.

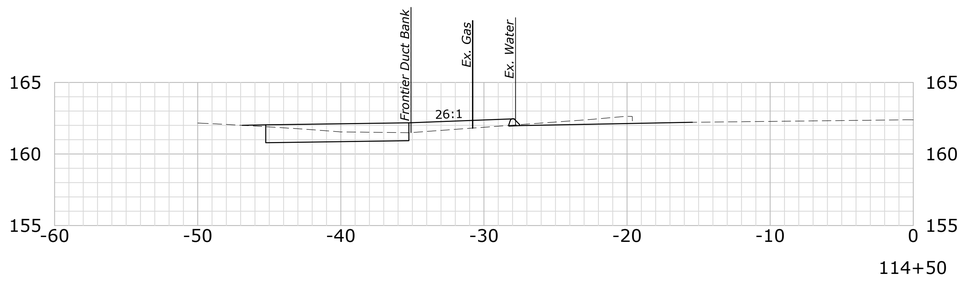


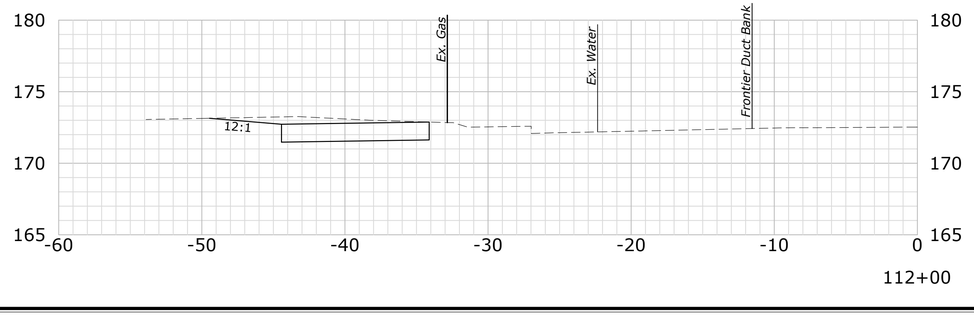


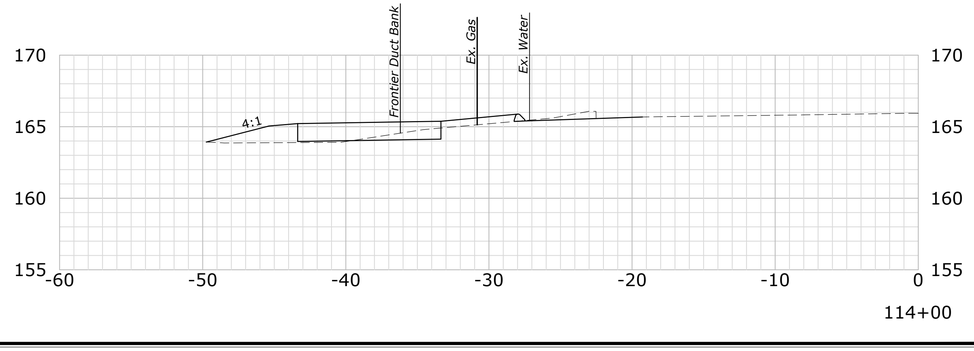












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DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

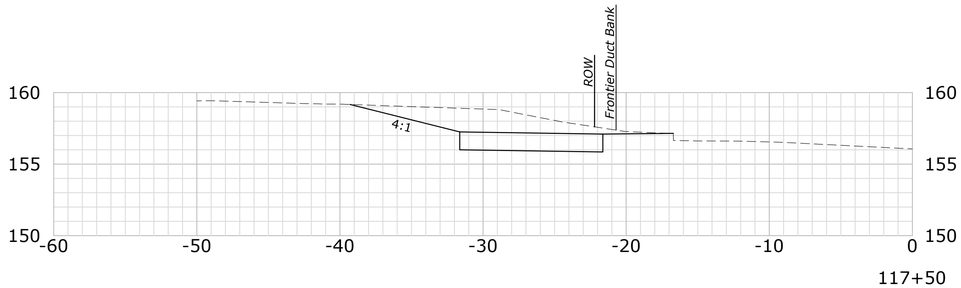
SCALE: 1"=5'

DATE: MAY 2022

PROJECT NO.: 1613-20

DRAWING NO.: XSC-01

SHEET NO.: 34



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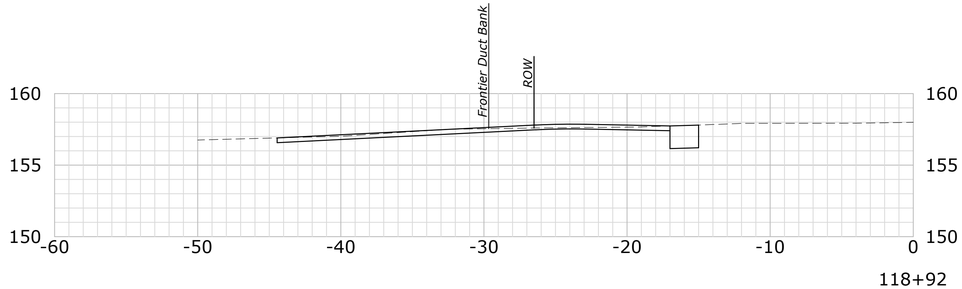

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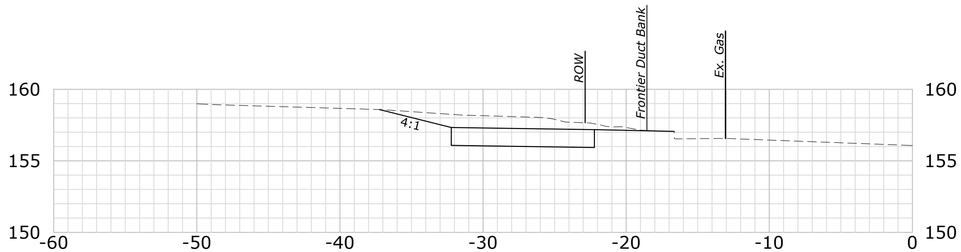

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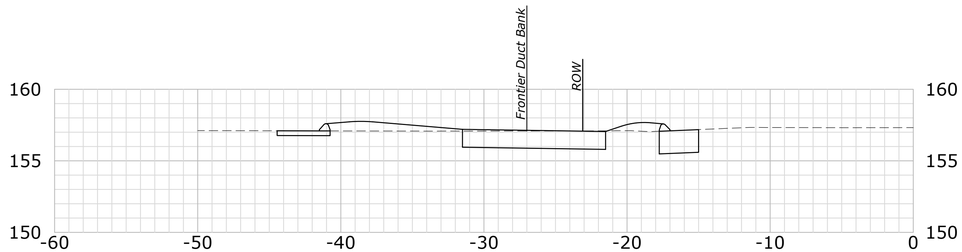

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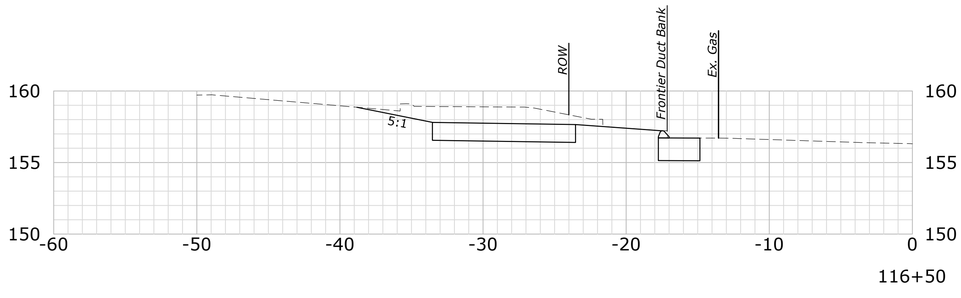

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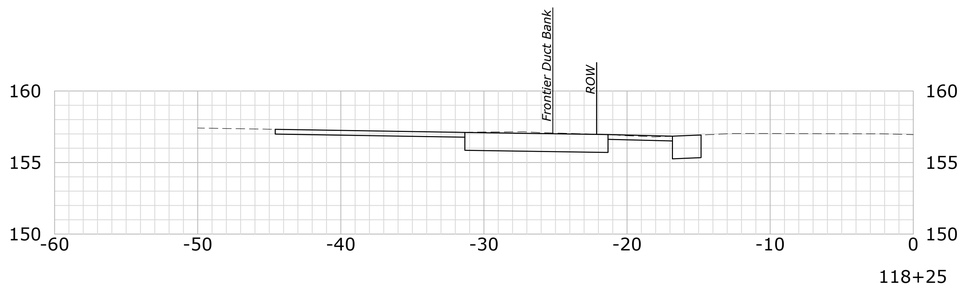

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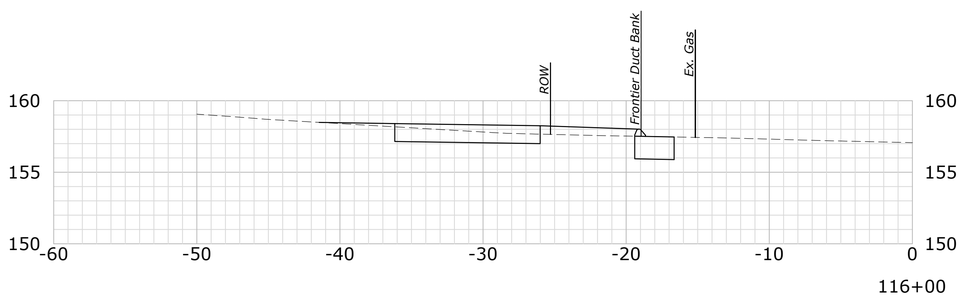

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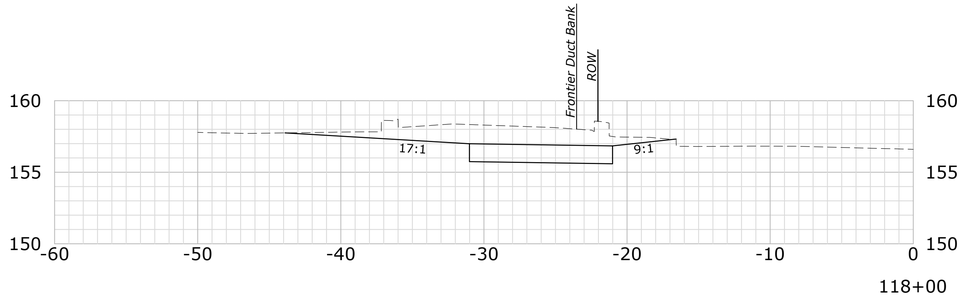

118+00

0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

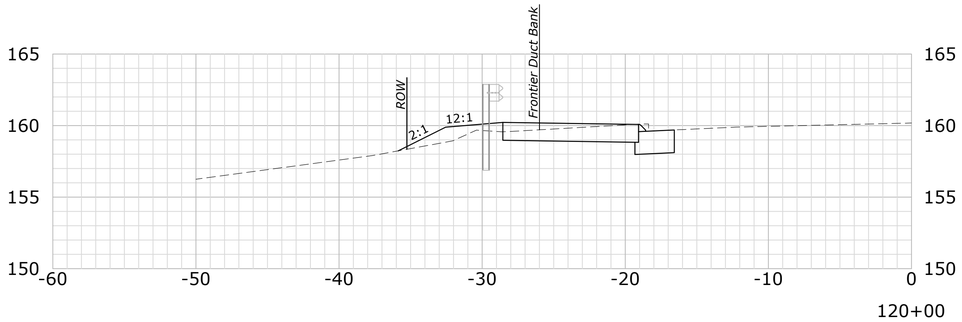
SCALE: 1"=5'

DATE: MAY 2022

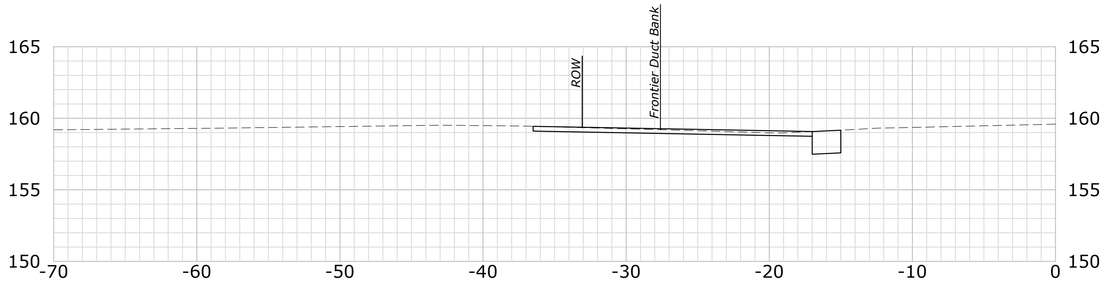
PROJECT NO.: 1613-20

DRAWING NO.: XSC-02

SHEET NO.: 35



120+00



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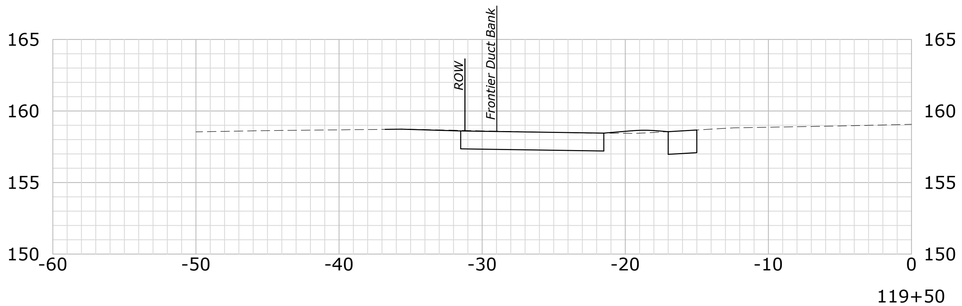

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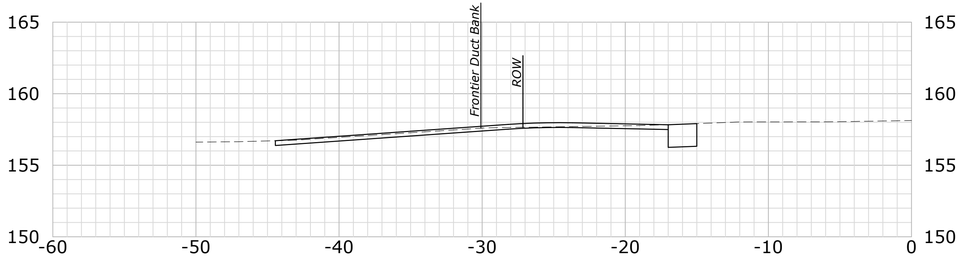

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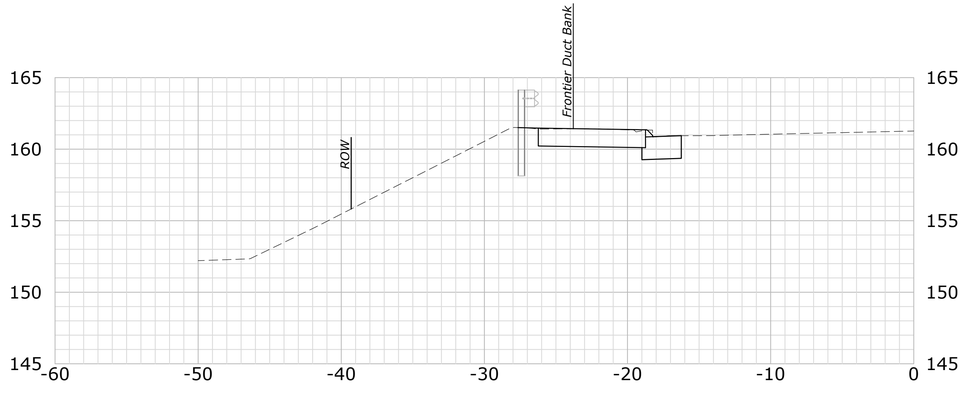

120+50

0" 2.5" 5"
0 1/2" 1"

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DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

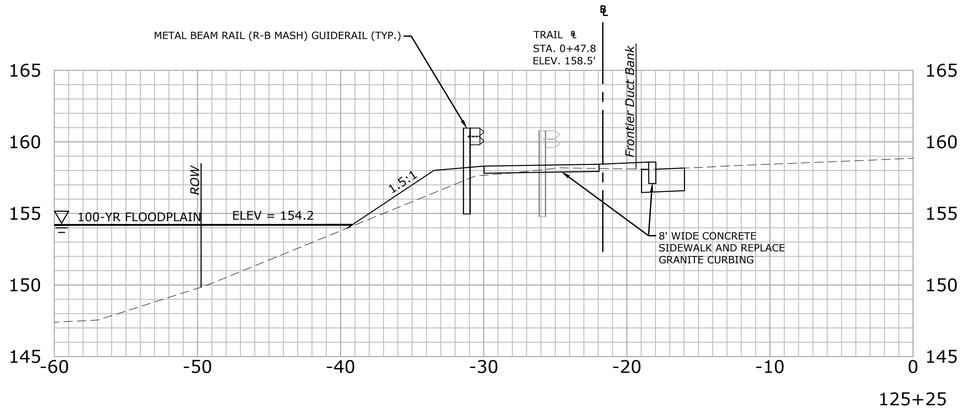
1"=5'
SCALE

MAY 2022
DATE

1613-20
PROJECT NO.

XSC-03
DRAWING NO.

36
SHEET NO.



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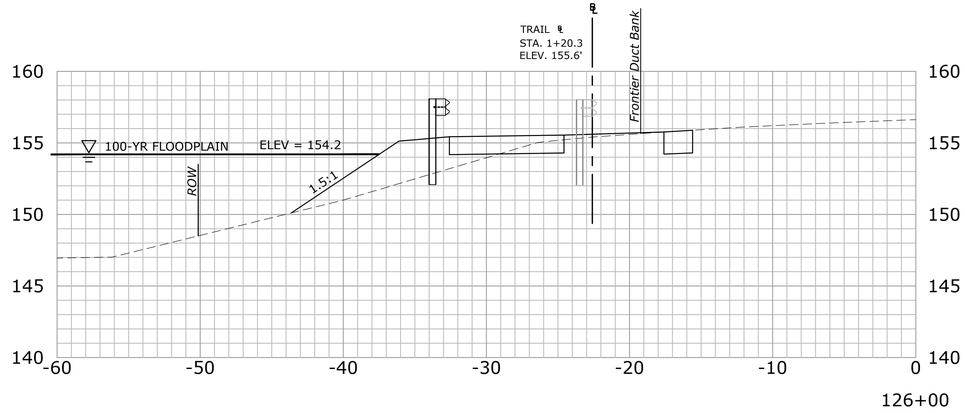

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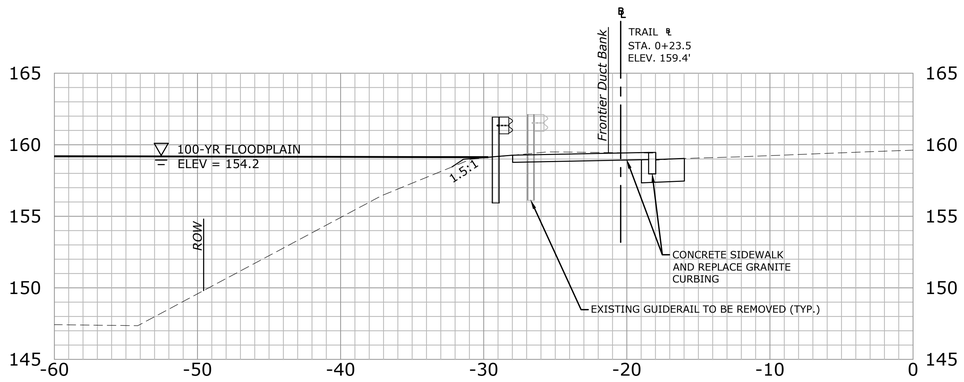

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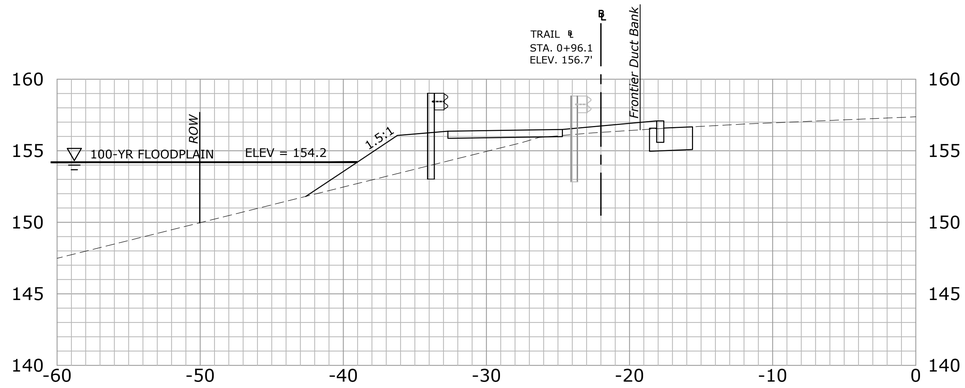

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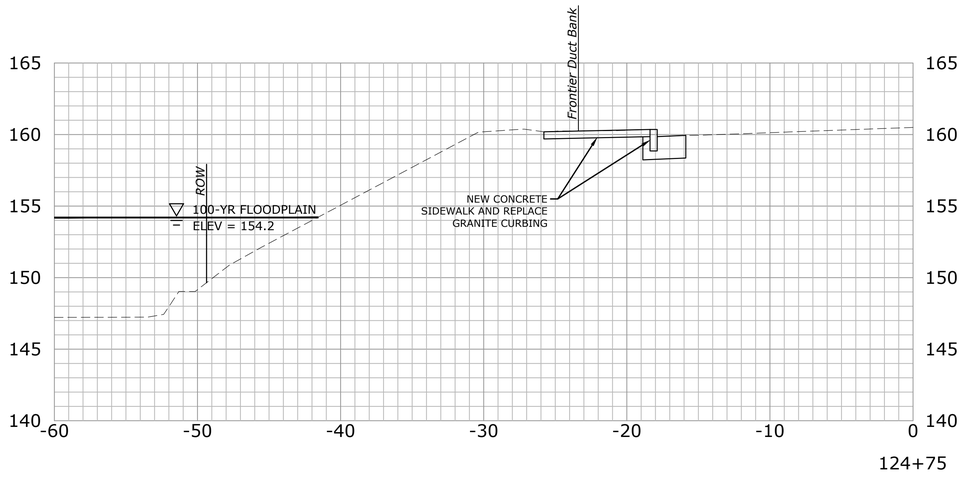

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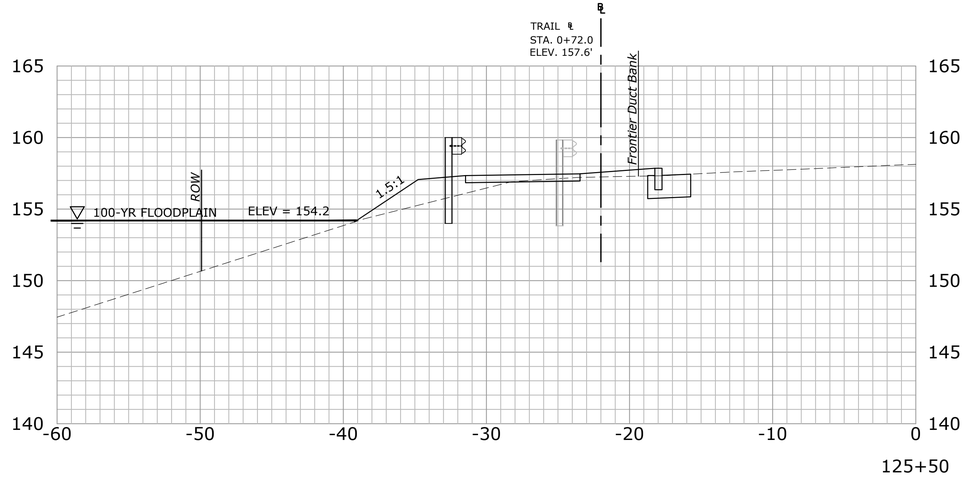

125+50

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DESCRIPTION	DATE	BY

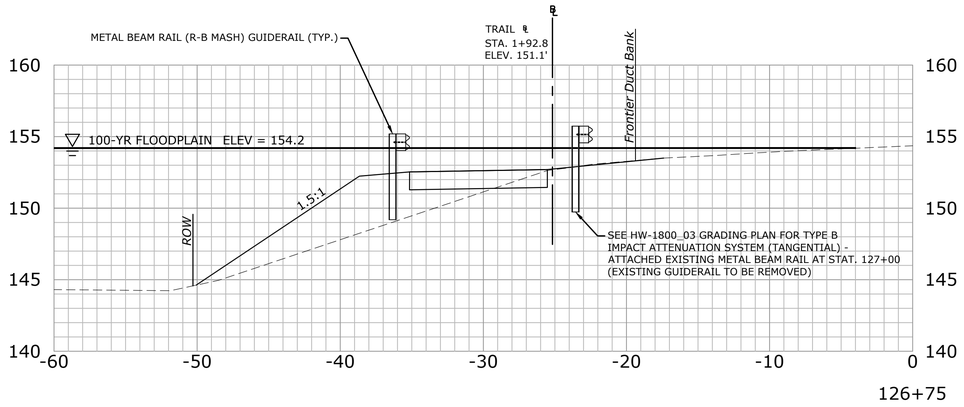
CROSS SECTIONS

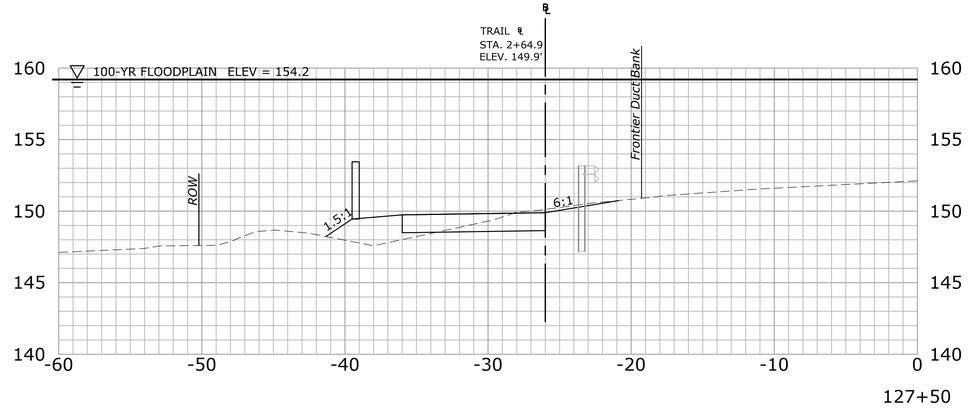
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

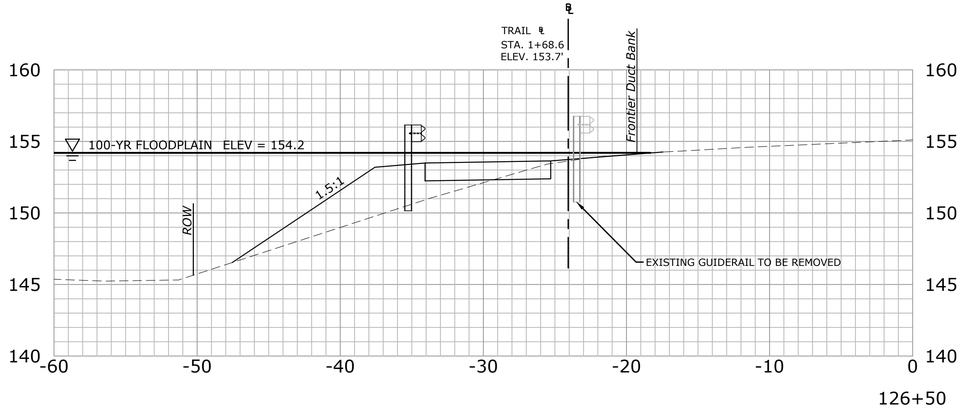
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

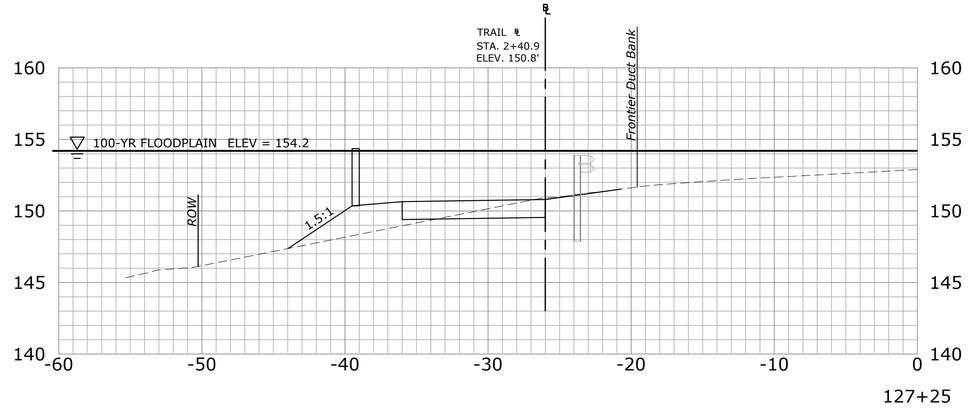
DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

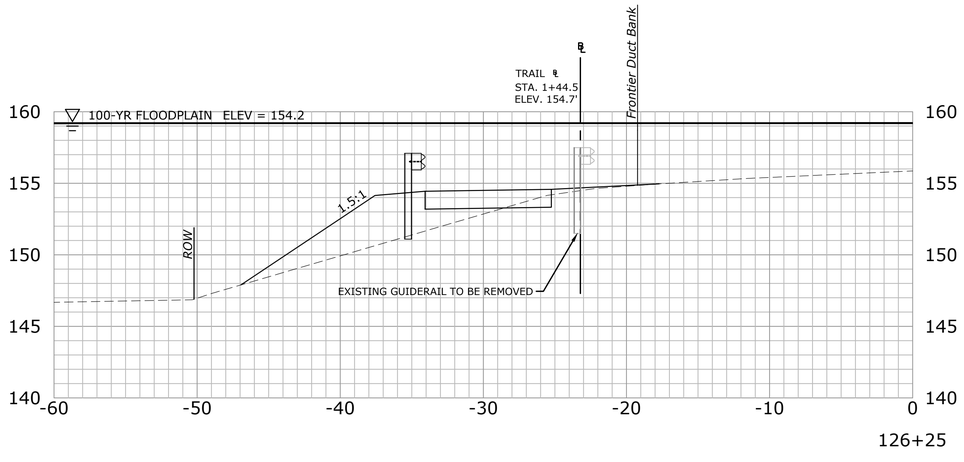
SCALE	1"=5'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	XSC-04
SHEET NO.	37

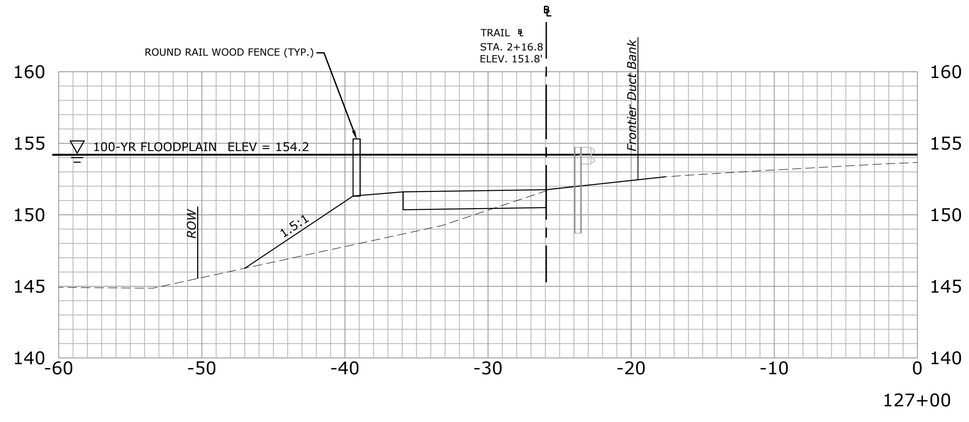












0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

CROSS SECTIONS

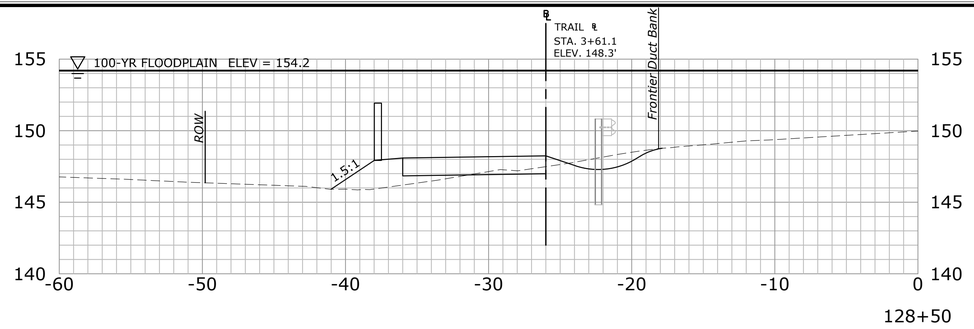
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

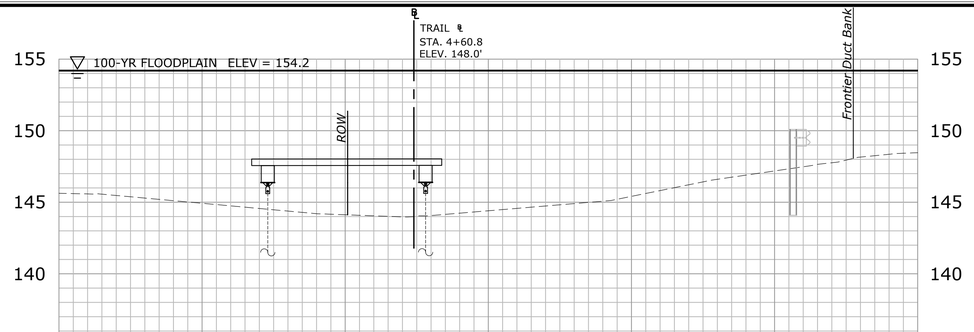
DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: XSC-05

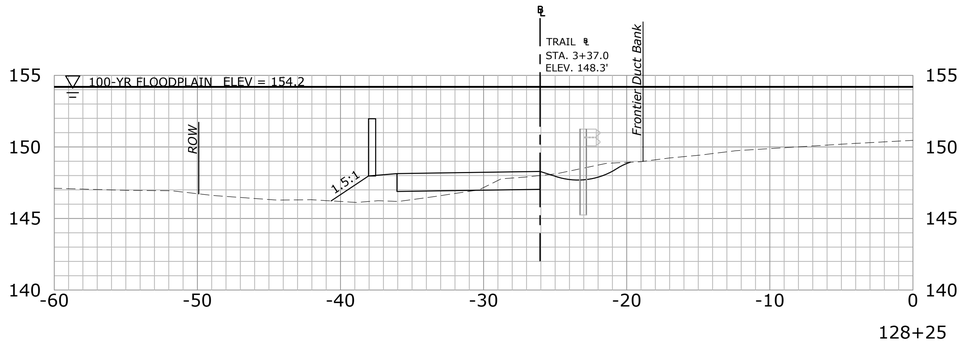
SHEET NO.: 38



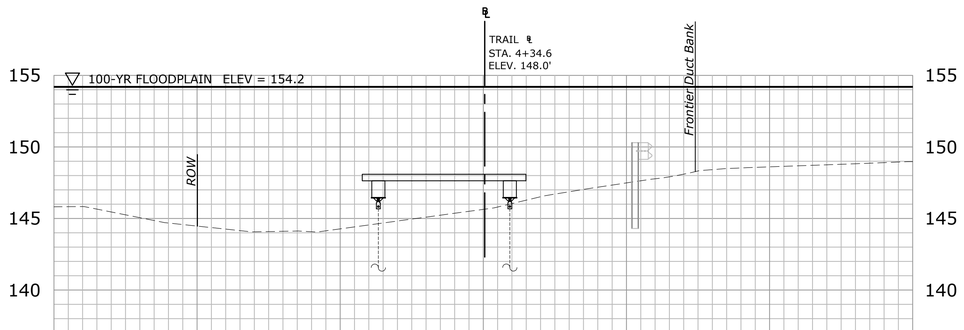
128+50



129+50



128+25



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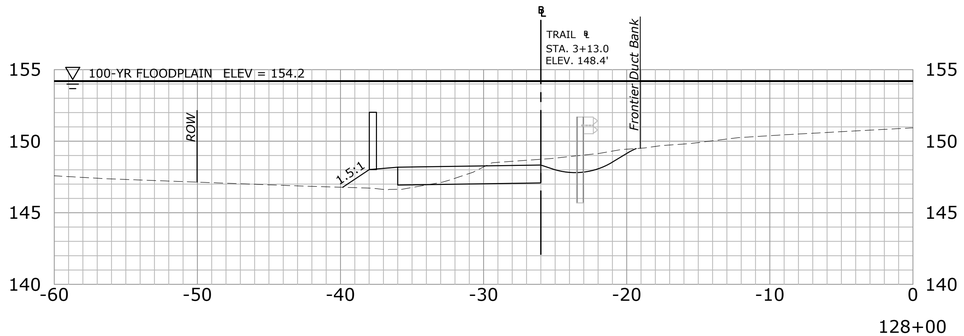

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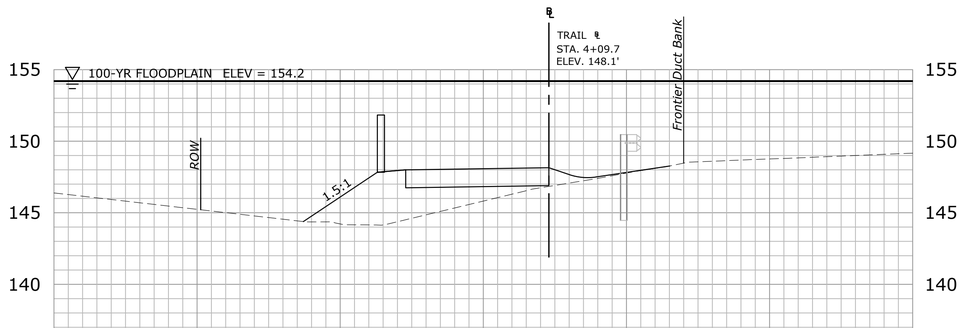

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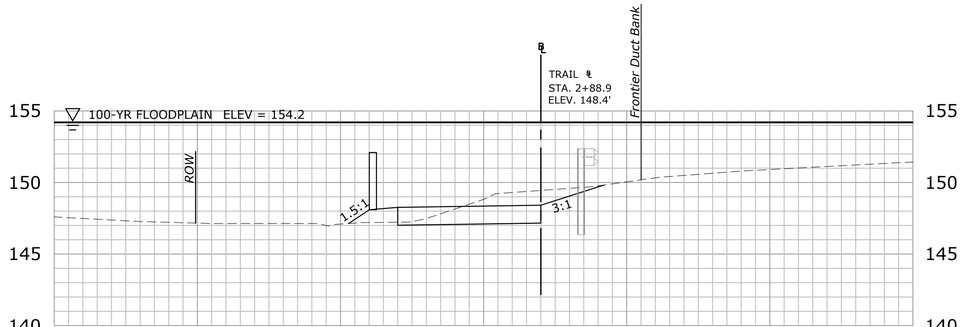
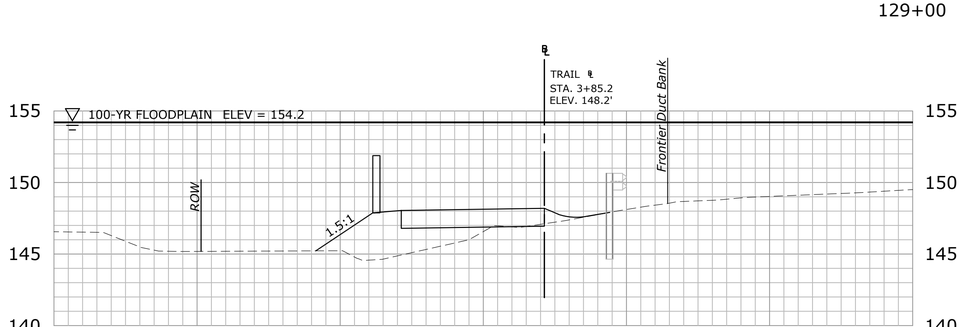


127+75



128+75

0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

CROSS SECTIONS

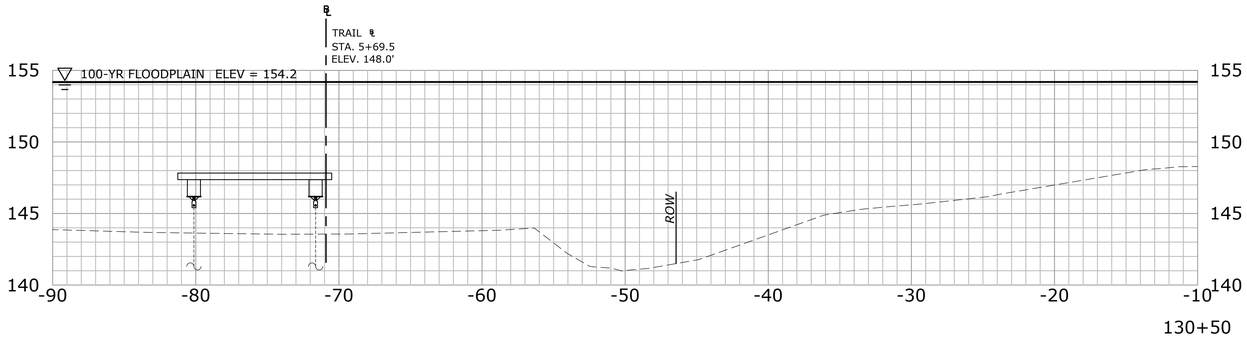
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: XSC-06

SHEET NO.: 39



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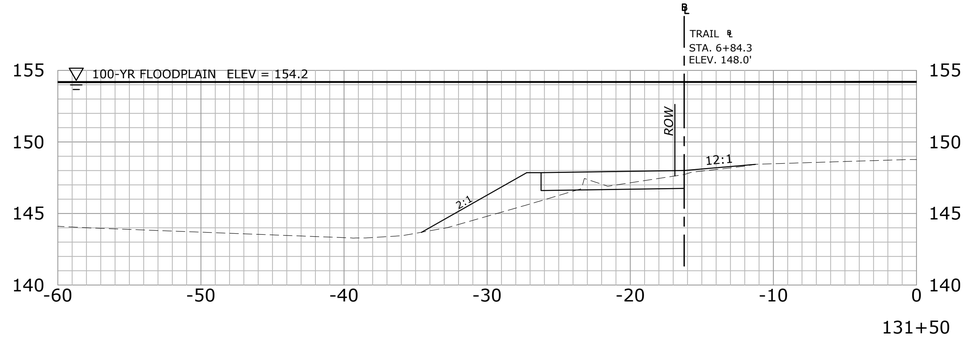

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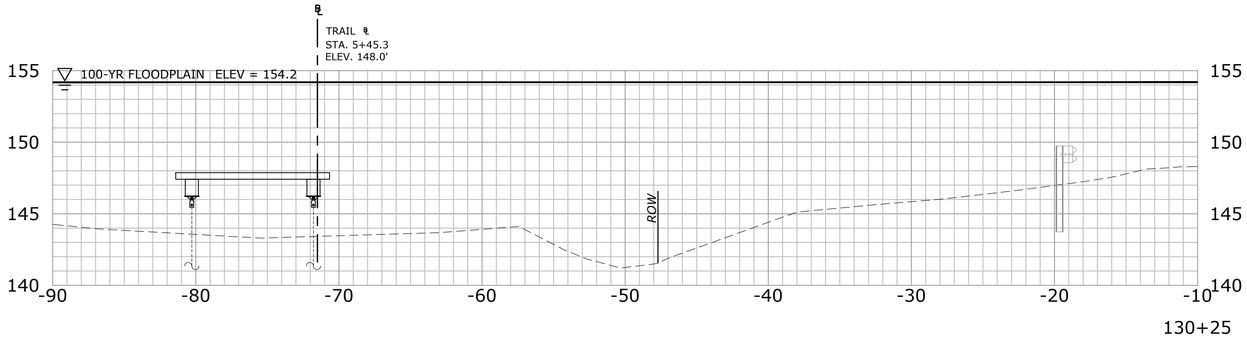

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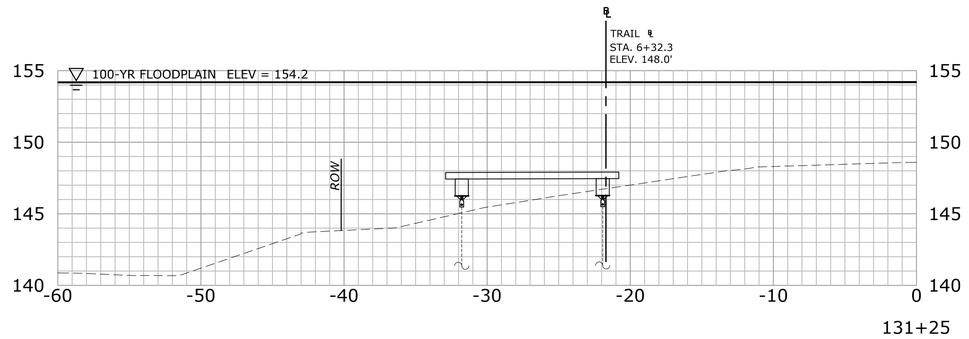

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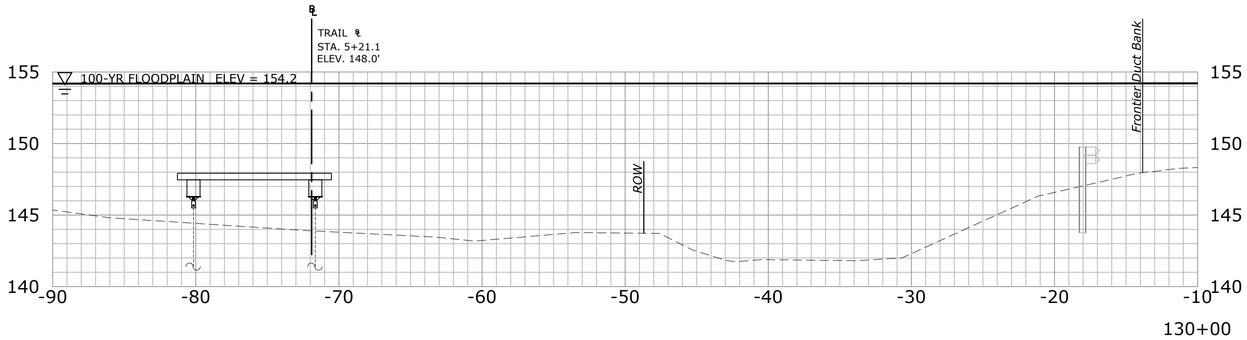

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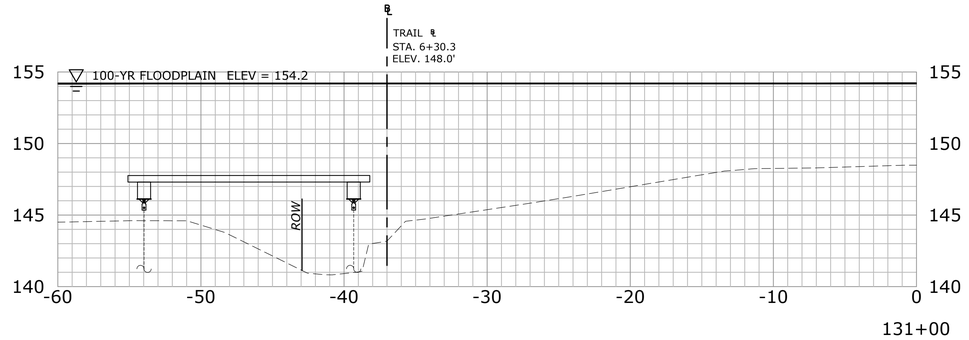

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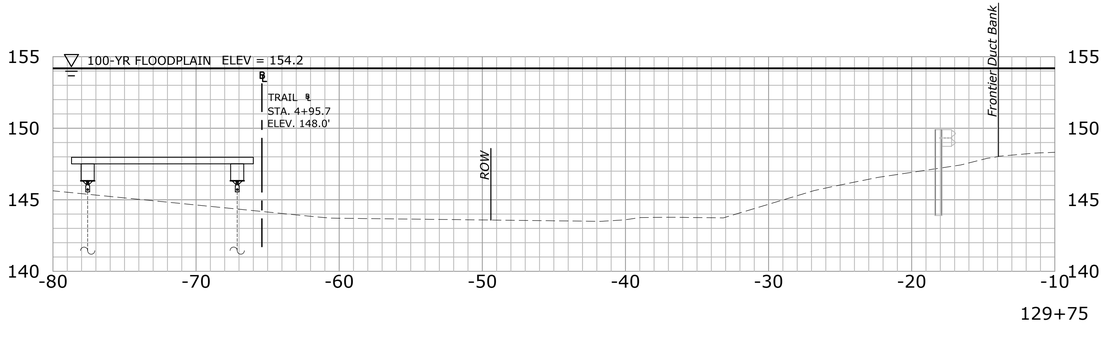
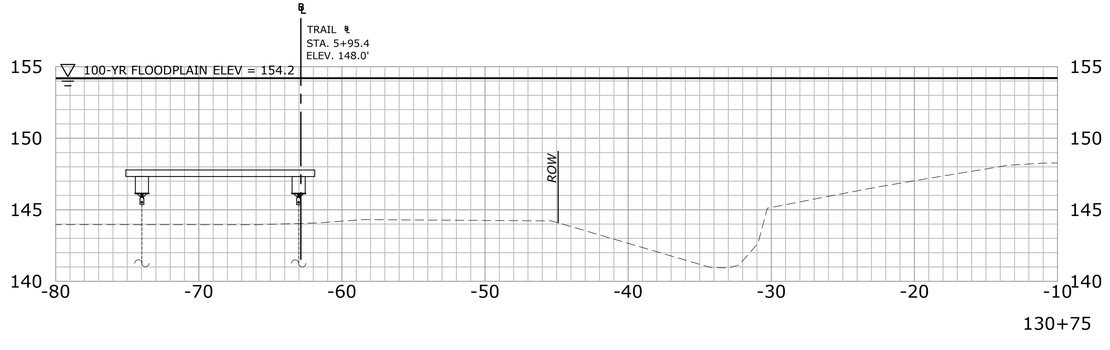


129+75



130+75

0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

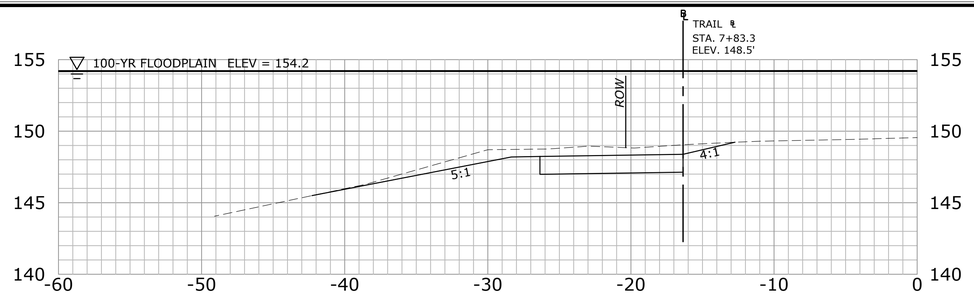
CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

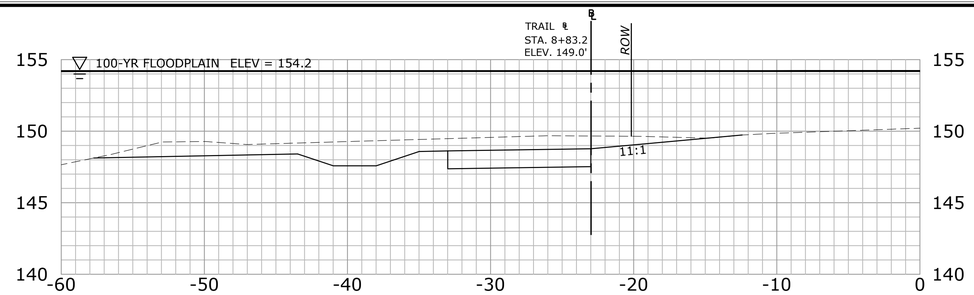
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: XSC-07
SHEET NO.: 40



132+50



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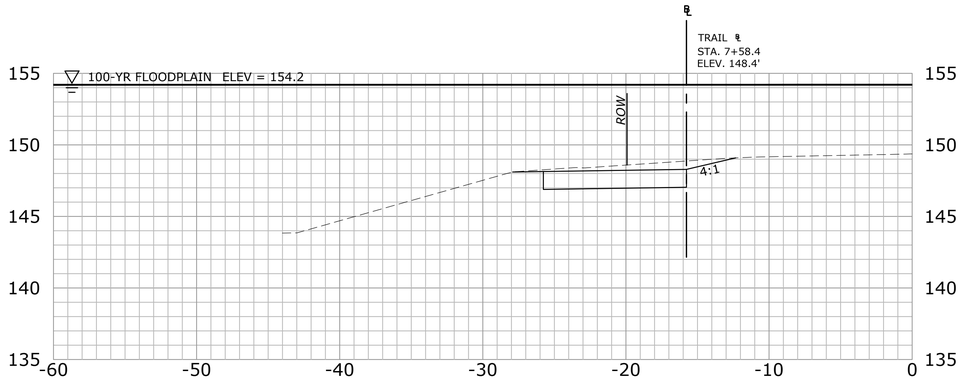

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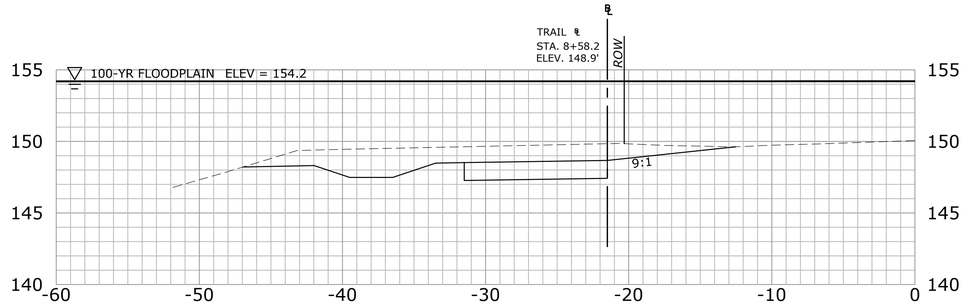

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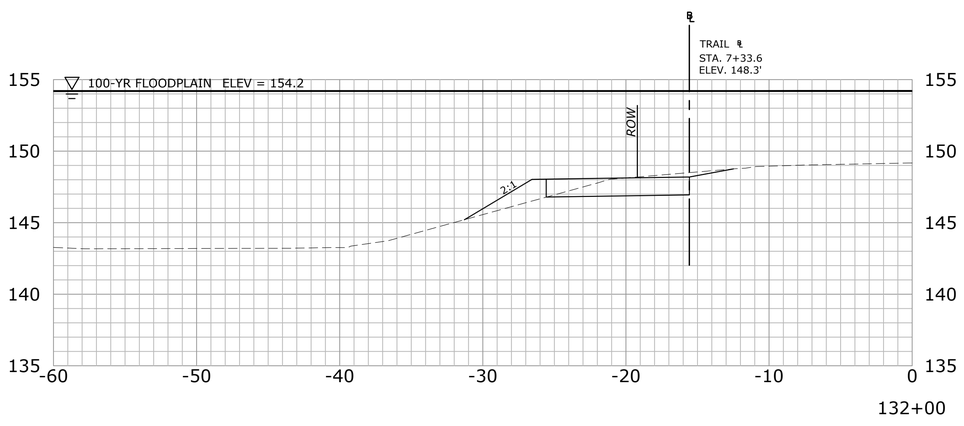

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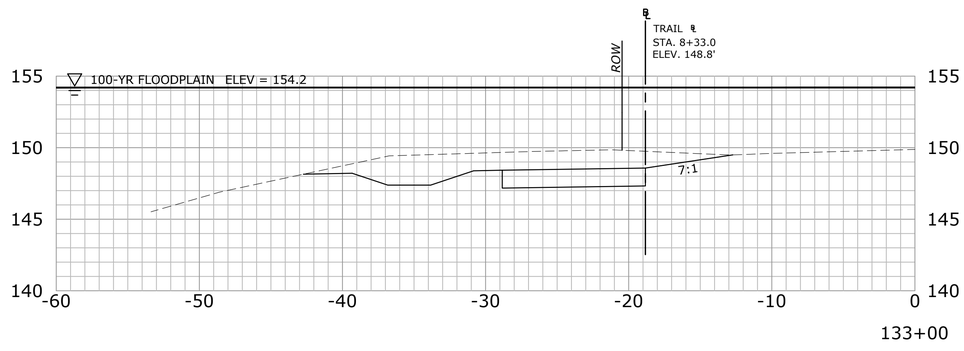

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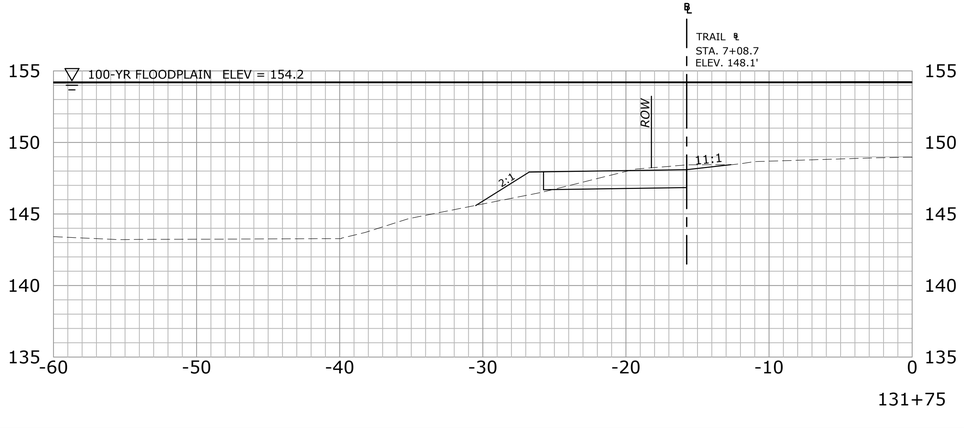
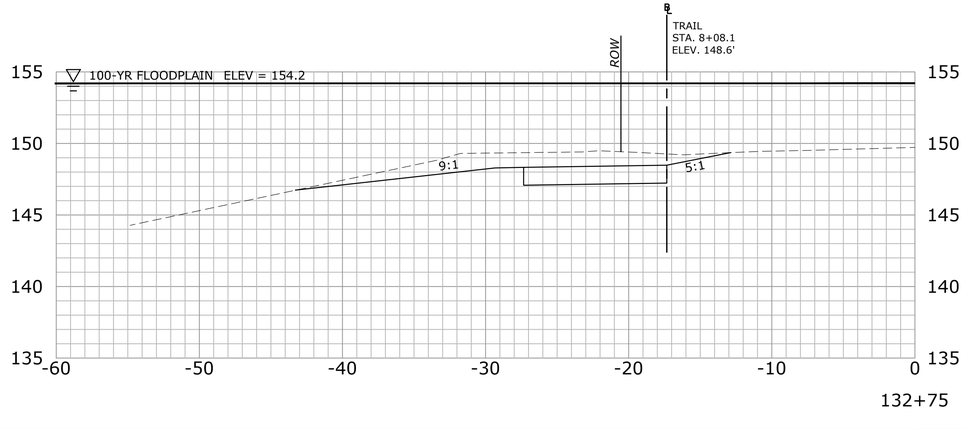


131+75



132+75

0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

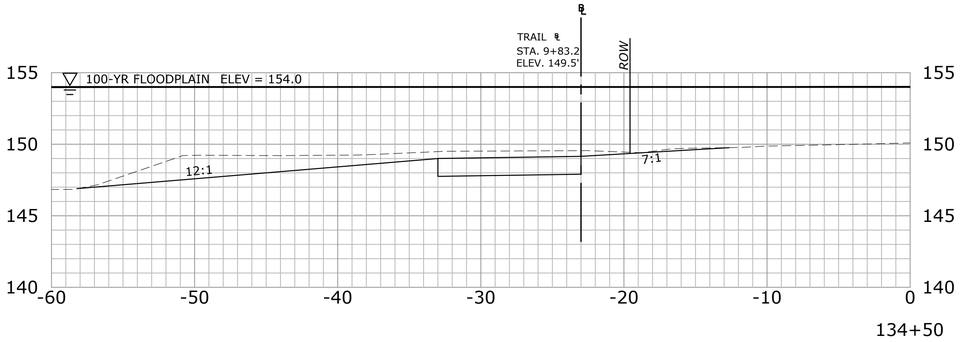
SCALE: 1"=5'

DATE: MAY 2022

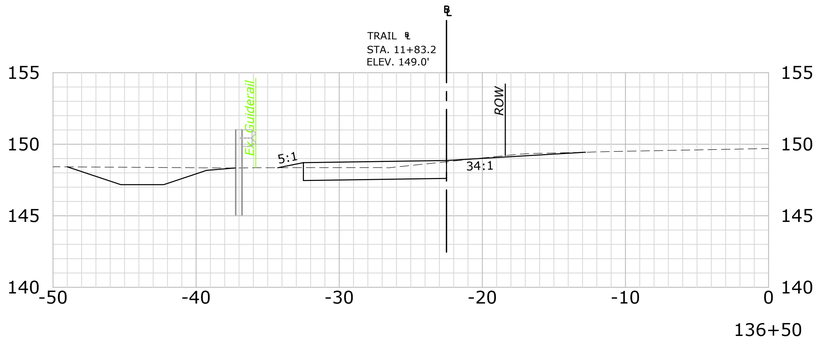
PROJECT NO.: 1613-20

DRAWING NO.: XSC-08

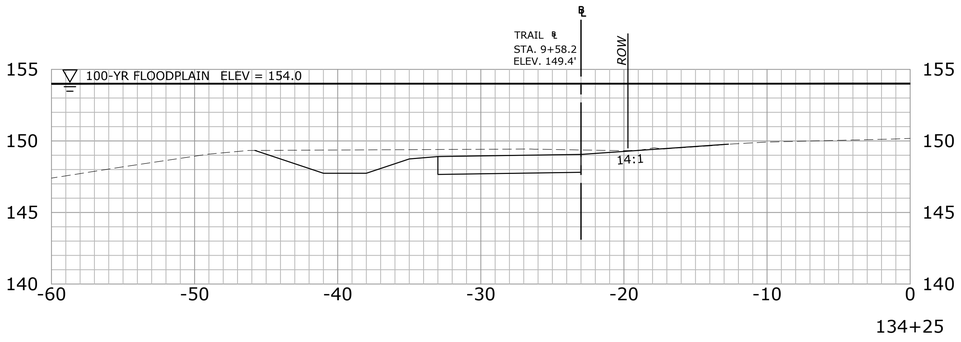
SHEET NO.: 41



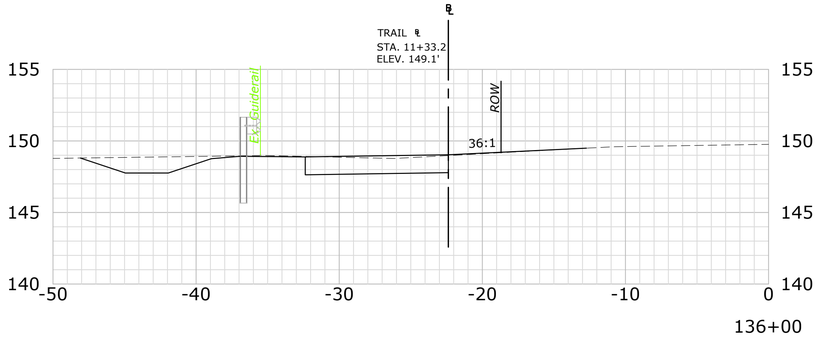
134+50



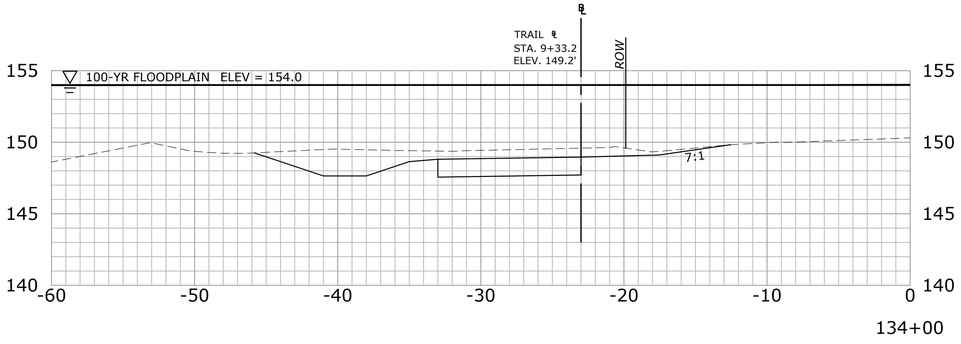
136+50



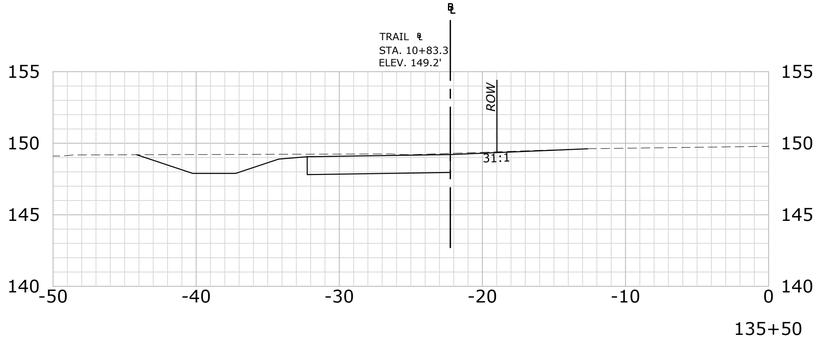
134+25



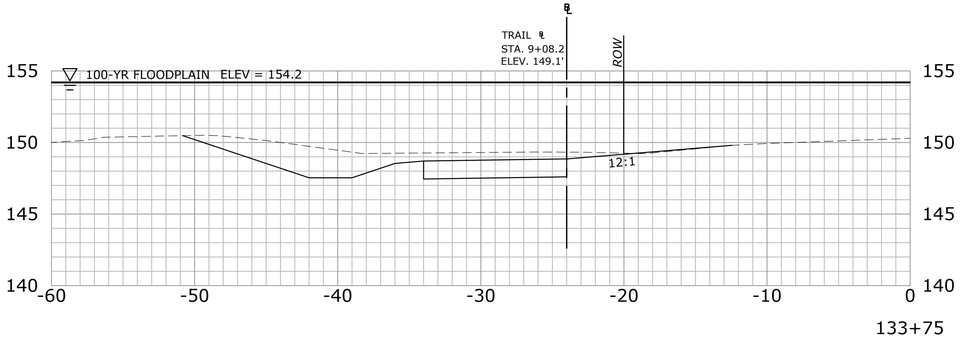
136+00



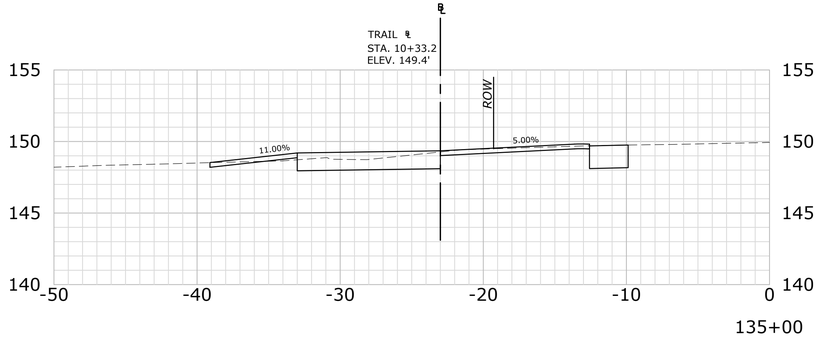
134+00



135+50



133+75



135+00

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DESCRIPTION	DATE	BY

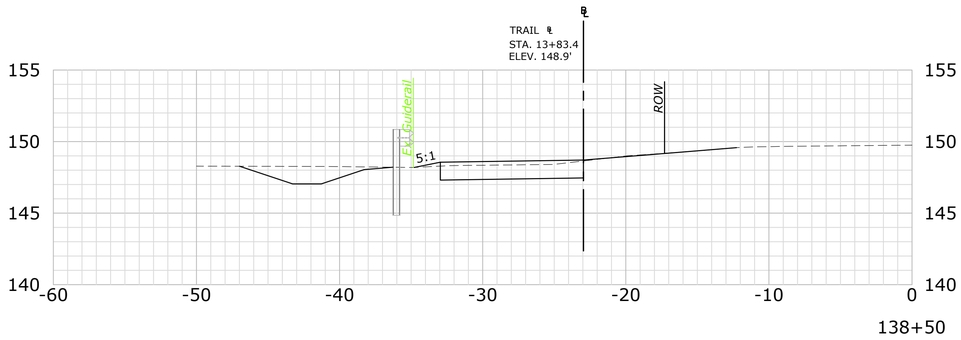
CROSS SECTIONS

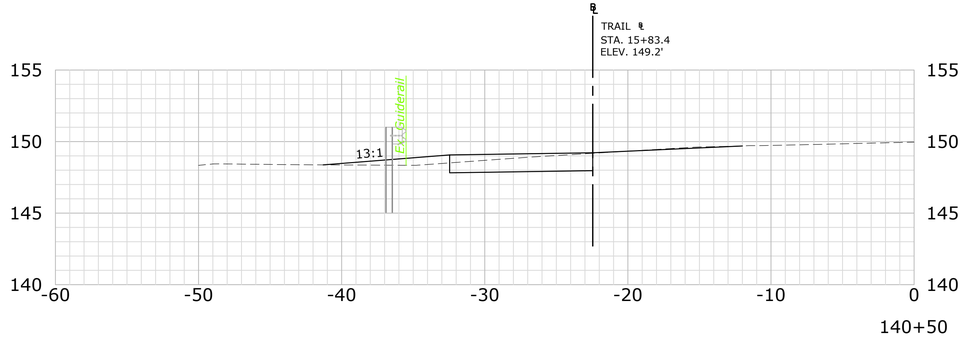
TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

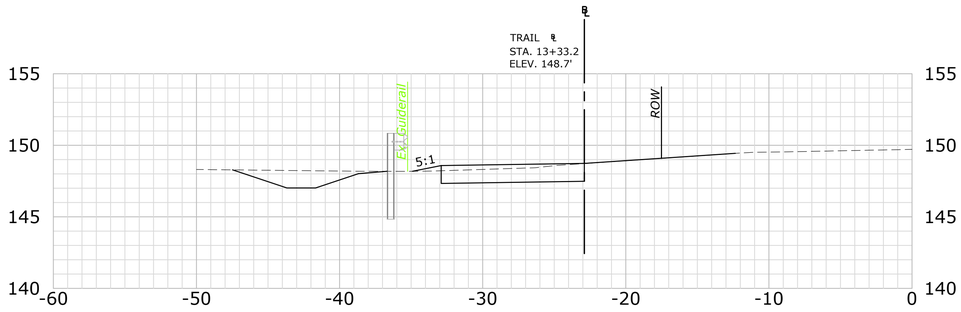
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

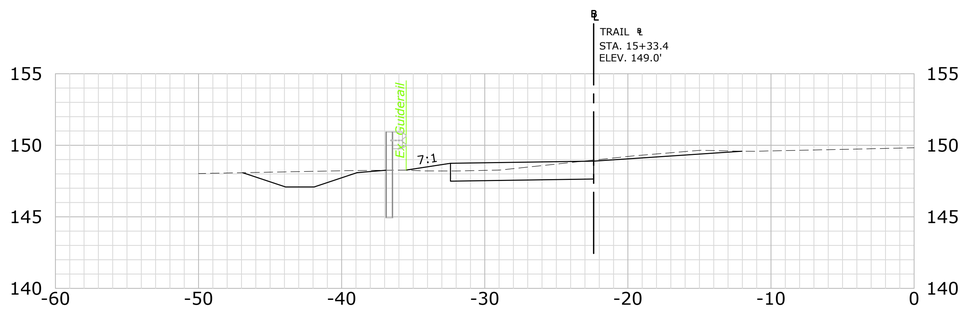
DP	TS	MJJ
DESIGNED	DRAWN	CHECKED

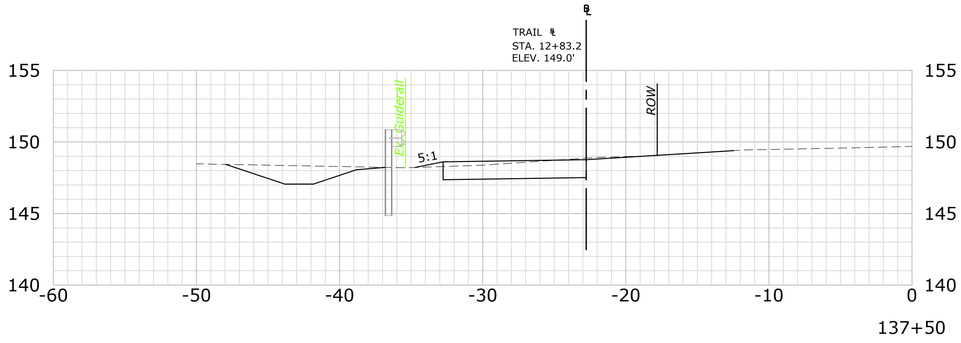
SCALE	1"=5'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	XSC-09
SHEET NO.	42

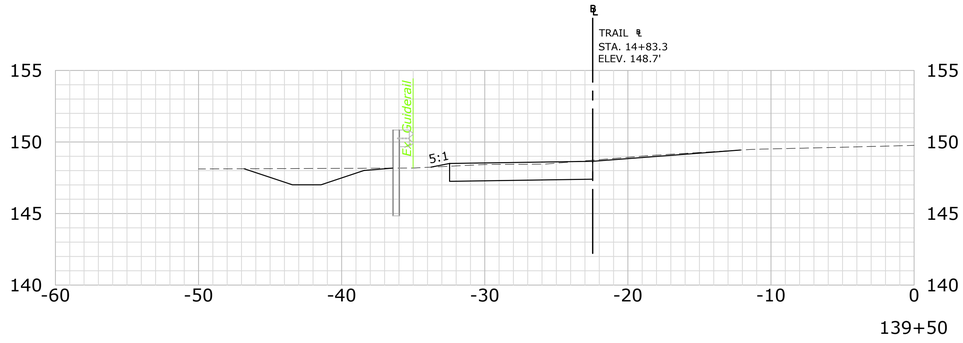


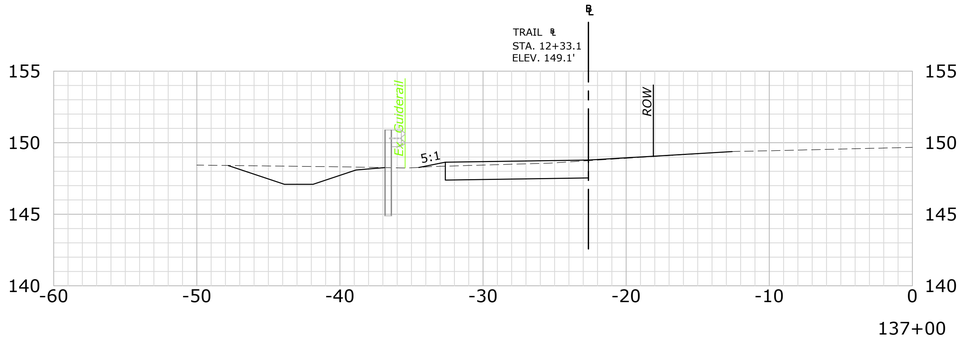


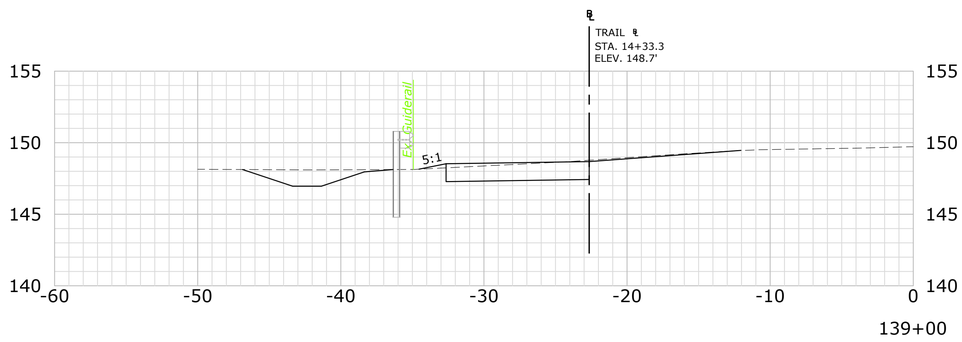












0' 2.5' 5'
0 1/2" 1"

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DESCRIPTION	DATE	BY

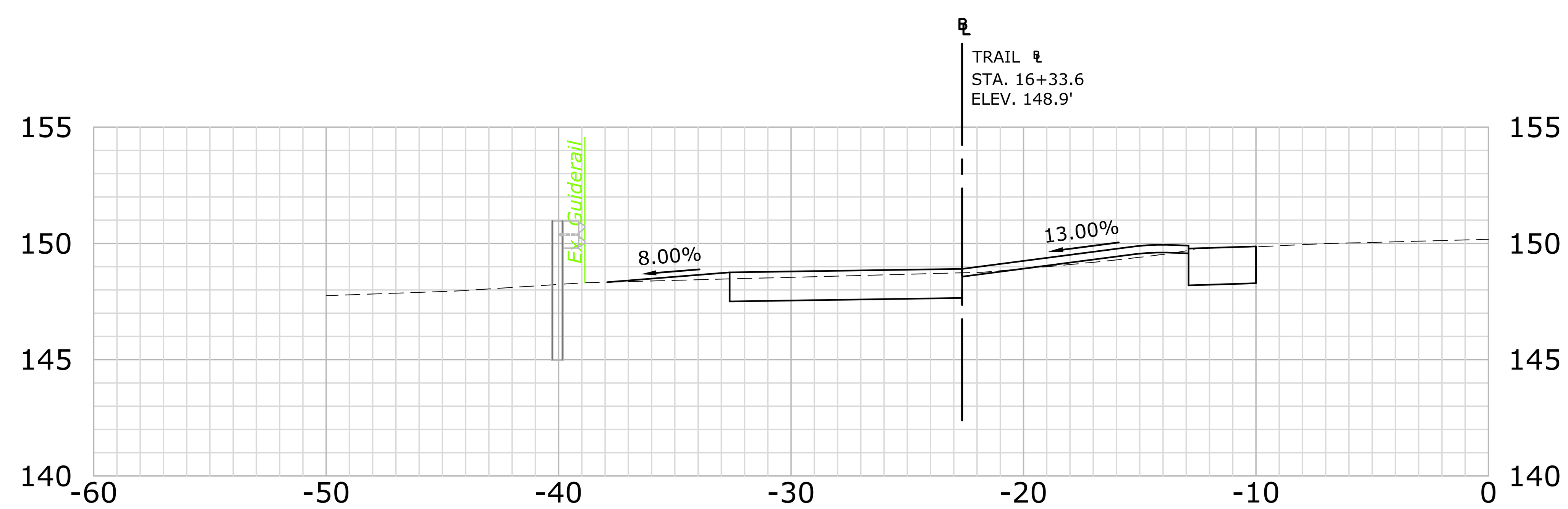
CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

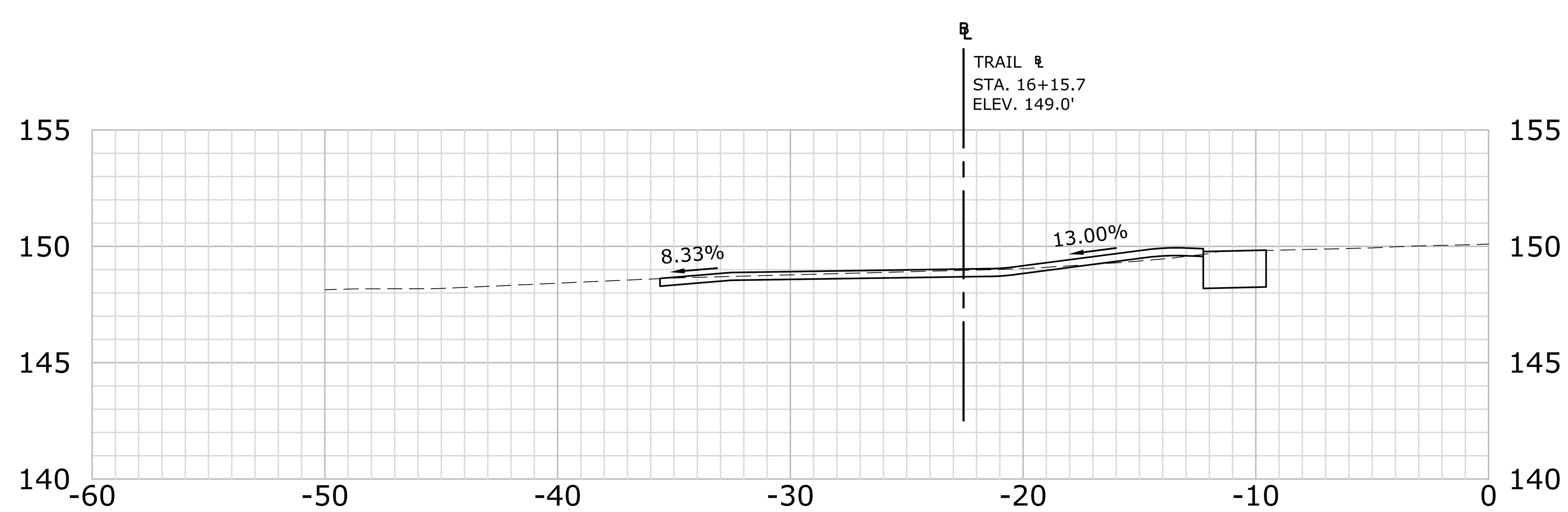
TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

SCALE	1"=5'
DATE	MAY 2022
PROJECT NO.	1613-20
DRAWING NO.	XSC-10
SHEET NO.	43



141+00



140+82

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DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL
FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

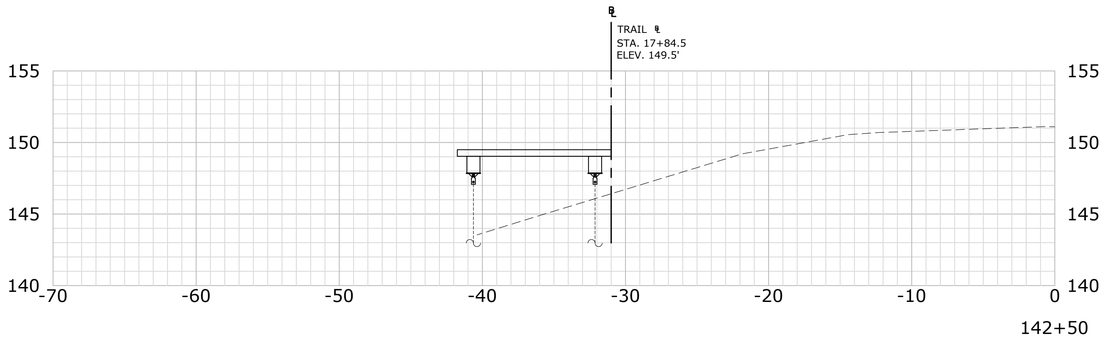
SCALE: 1"=5'

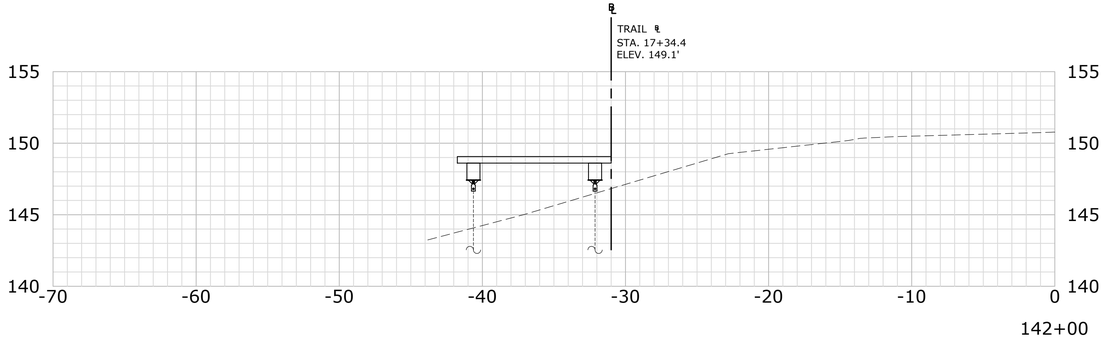
DATE: MAY 2022

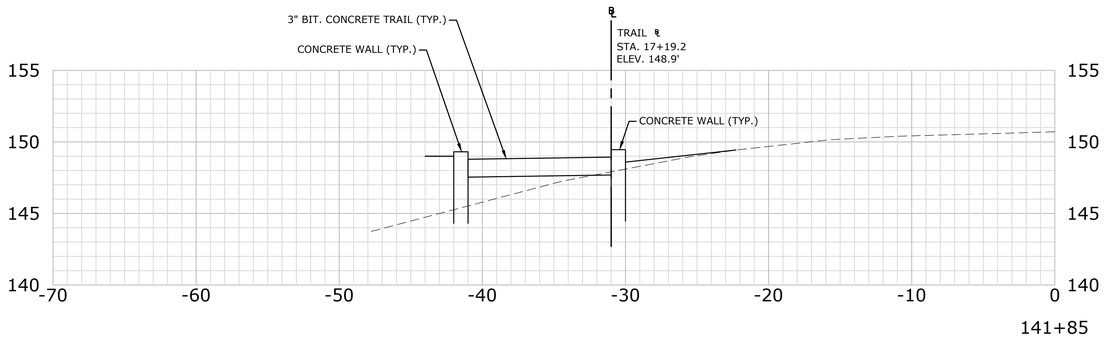
PROJECT NO. 1613-20

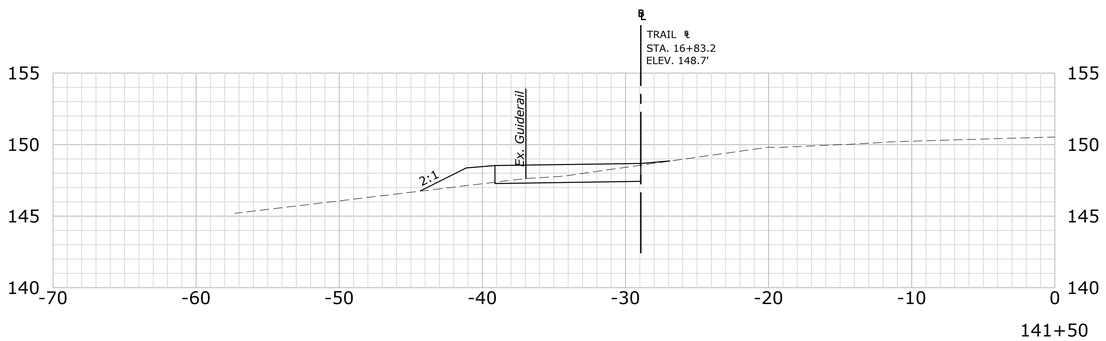
DRAWING NO. XSC-11

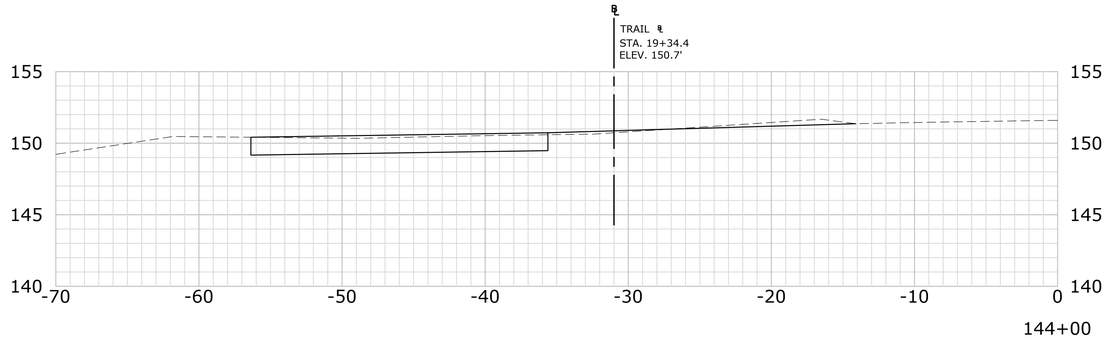
SHEET NO. 44

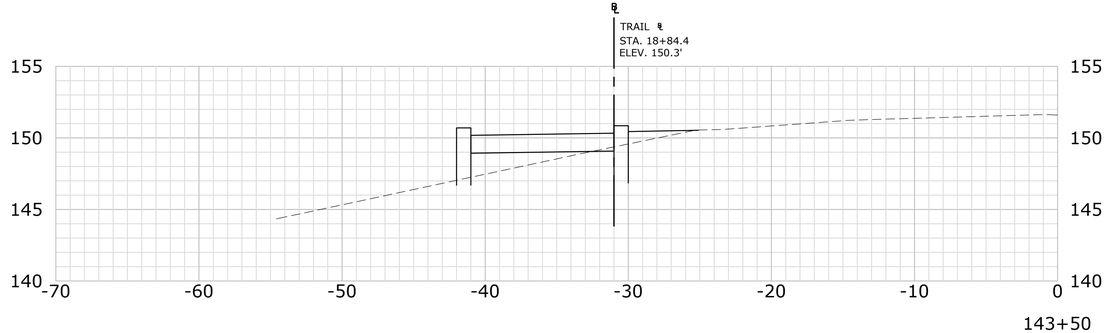


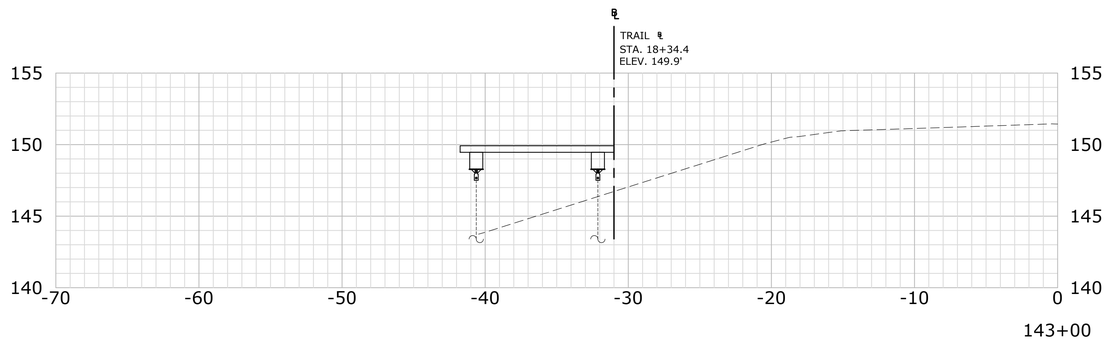












SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

CROSS SECTIONS

TARIFFVILLE CONNECTION, MULTI-USE TRAIL FROM HOPMEADOW ST (RT.10) TO CURTISS AND PATTISON PARKS

TARIFFVILLE ROAD (CT ROUTE 315)
SIMSBURY, CONNECTICUT

DP	SG	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'
DATE: MAY 2022
PROJECT NO.: 1613-20
DRAWING NO.: XSC-12

SHEET NO.: 45

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #** Simsbury

****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-286_01	DRAINAGE TRENCH EXCAVATION	7-15-20
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12
✓	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12
	HW-506_03	ENDWALLS FOR PIPE - ARCH	9-18-09
	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"	7-15-20
	HW-586_02	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_03	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II	7-15-20
	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	7-15-20
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	7-15-20
✓	HW-586_07	CATCH BASIN TOPS TYPE "C" AND "C-L"	7-15-20
✓	HW-586_08	CATCH BASIN FRAMES AND GRATES	7-15-20
	HW-586_09	CATCH BASIN LOCK DOWN TOPS	7-15-20
	HW-586_10a	MANHOLE FRAME AND COVER	7-15-20
	HW-586_10b	MANHOLE FRAME AND GRATE	7-15-20
✓	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	7-15-20
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	7-15-20
	HW-686_01	C.C.M. PIPE INSTALLATION	7-15-20
	HW-686_02	PIPE ENDS	7-15-20
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12
✓	HW-803_01a	PAVED APRONS	6-07-17
	HW-803_01b	PAVED DITCHES AND PAVED CHANNELS	6-07-17
✓	HW-811_01	CONCRETE CURBING	6-07-17
✓	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13
✓	HW-813_02	STONE CURBING	6-07-17
✓	HW-815_01	BITUMINOUS CONCRETE CURBING	6-07-17
	HW-821_01a	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_01b	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_01c	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	1-27-20
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	1-27-20
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12

✓*	SHEET NO.	TITLE	APPROVAL DATE**
✓	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11
✓	HW-821_04b	MERRITT PARKWAY - 2' (610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13
	HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-06-12
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	1-09-20
✓	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	1-09-20
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	1-09-20
✓	HW-821_10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	1-27-20
✓	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	1-27-20
	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
✓	HW-905_01	STONE WALL FENCE	1-25-19
	HW-906_01	WIRE FENCE	1-25-19
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	6-09-11
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	1-25-19
	HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11
	HW-910_09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	1-26-12
	HW-910_09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-25-12
	HW-910_10	METAL BEAM RAIL 8" (203) X 6" (152) BOX BEAM	7-24-13
✓	HW-910_11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

1 OF 2

PLOTTED DATE: 7/22/2020

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #** Simsbury ****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	7-24-13
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	7-24-13
✔	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13
	HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11
✔	HW-910_17	R-B TERMINAL SECTION	7-24-13
✔	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	10-18-10
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13
✔	HW-910_20	MASH W-BEAM HARDWARE	1-05-18
✔	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	1-25-19
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	1-05-18
	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	1-05-18
✔	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	1-05-18
✔	HW-910_25	METAL BEAM RAIL TRANSITION 350 TO MASH	1-05-18
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	1-09-20
	HW-910_27	THRIE-BEAM ATTACHMENT	1-09-20
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	1-25-19
	HW-911_02	MD-B END ANCHORAGE TYPE I	1-05-18
✔	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13
	HW-913_01a	CHAIN LINK FENCE	5-06-19
	HW-913_01b	CHAIN LINK FENCE HARDWARE	5-06-19
	HW-913_02	CHAIN LINK FENCE GATES	5-06-19
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	6-07-17
✔	HW-949_01a	LANDSCAPE PLANTING	6-15-19
	HW-949_01b	TREE STAKING	6-15-19
✔	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	1-25-19
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	1-25-20

NOT TO SCALE
####

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2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
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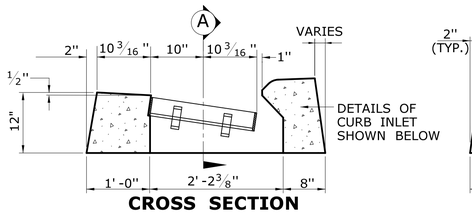
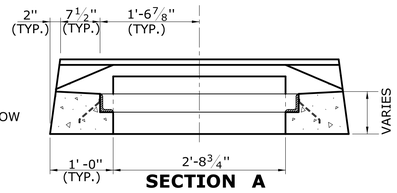
HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:
2 OF 2

PLOTTED DATE: 7/22/2020

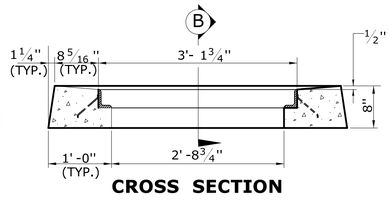


CROSS SECTION



SECTION A

TYPE "C" CATCH BASIN TOP



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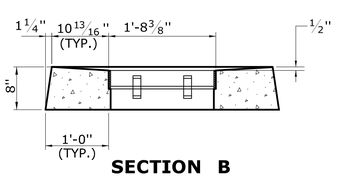
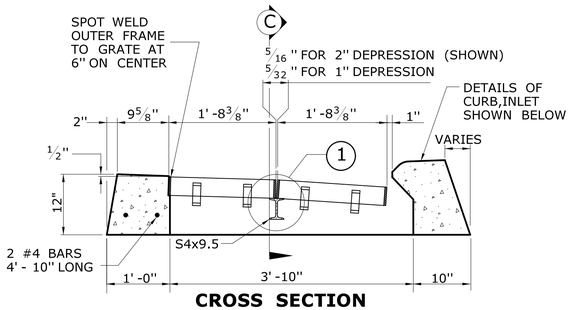


SECTION B

TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAMES AND GRATES, SEE SHEET NO. HW-586_08.
2. ALL BARS SHALL HAVE A MINIMUM 2" COVER.



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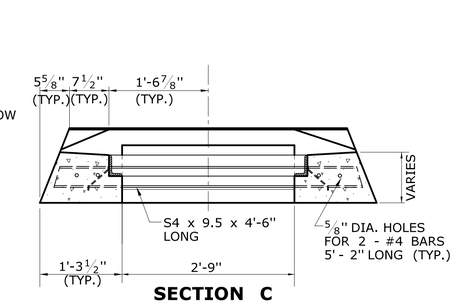
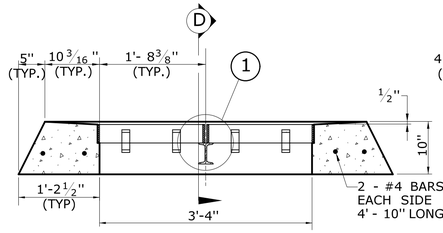


SECTION C

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



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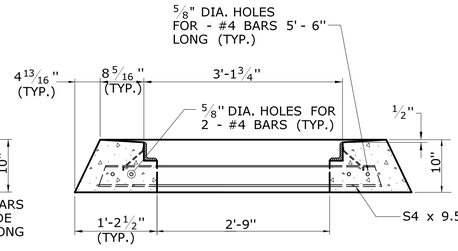
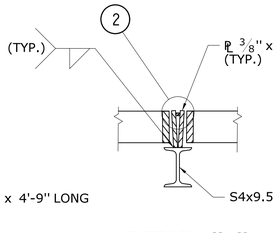
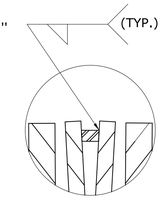


SECTION D

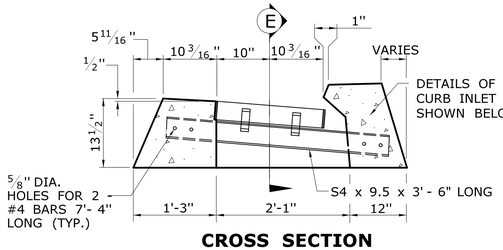


DETAIL "1"

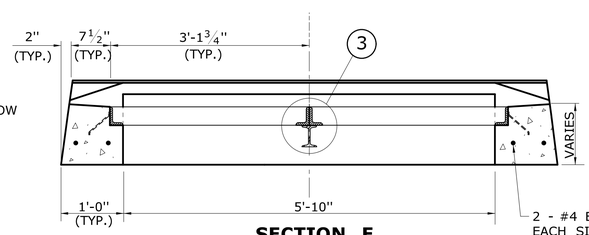


DETAIL "2"

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP

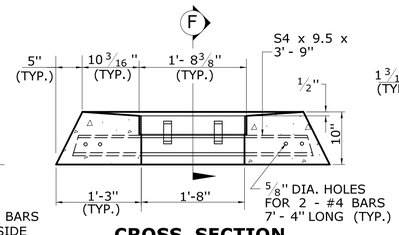


CROSS SECTION



SECTION E

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP



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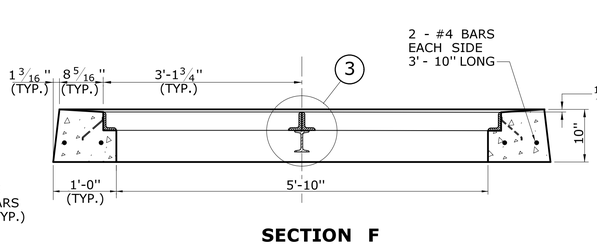
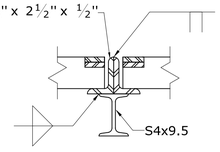
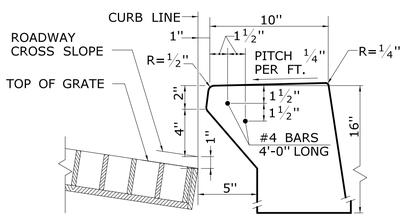


SECTION F

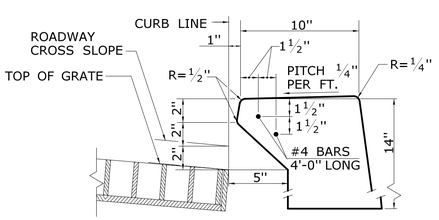
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



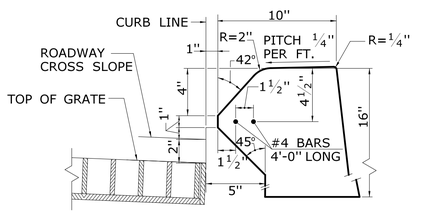
DETAIL "3"



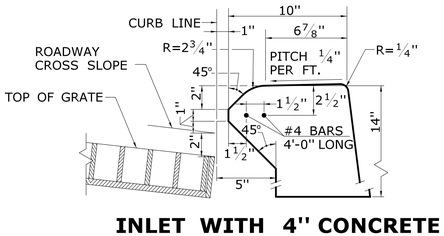
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB



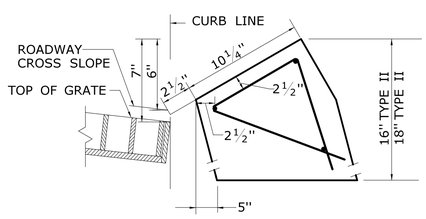
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



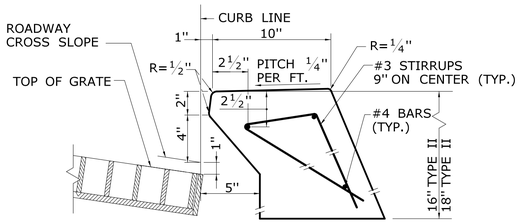
INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



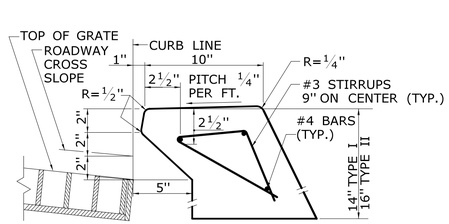
INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB



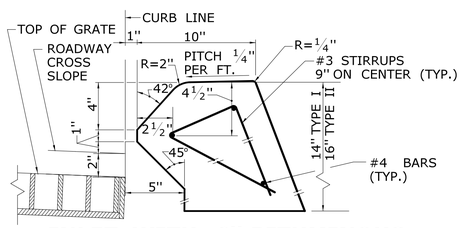
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



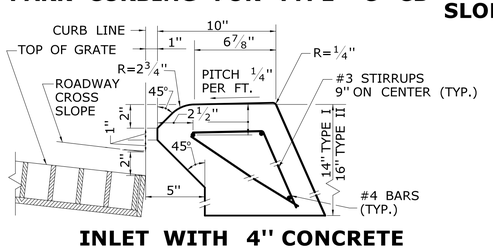
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



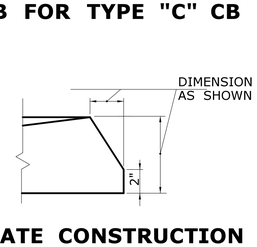
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



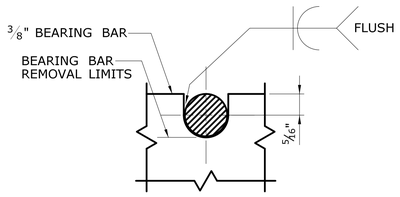
ALTERNATE CONSTRUCTION OF TYPE II TOP

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET

STANDARD SHEET TITLE: CATCH BASIN TOPS TYPE "C" AND "C-L"

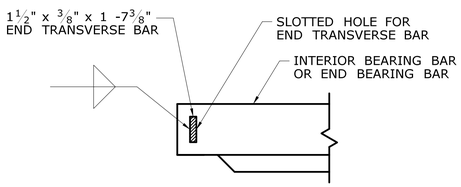
STANDARD SHEET NO.: HW-586_07

PLOTTED DATE: 6/30/2020

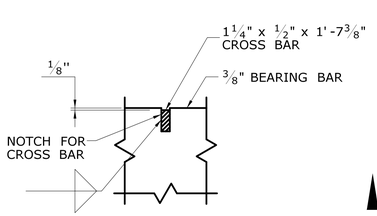


NOTE:
5/8" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

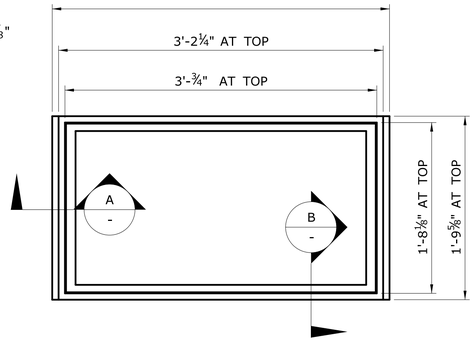
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



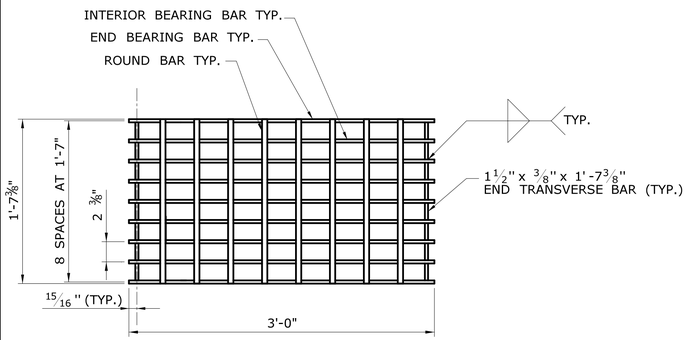
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



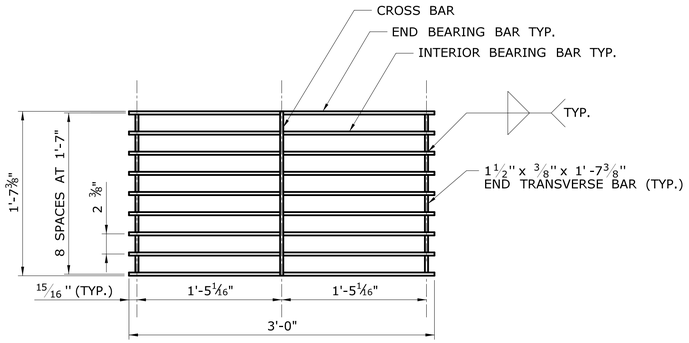
PLAN

GENERAL NOTES:

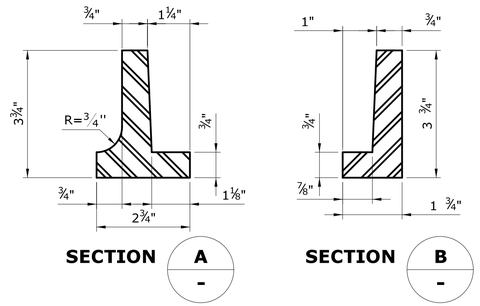
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. DO NOT GALVANIZE CAST IRON FRAMES.
5. DIMENSIONAL TOLERANCES SHALL BE ± 1/16 INCH.
6. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.



PLAN

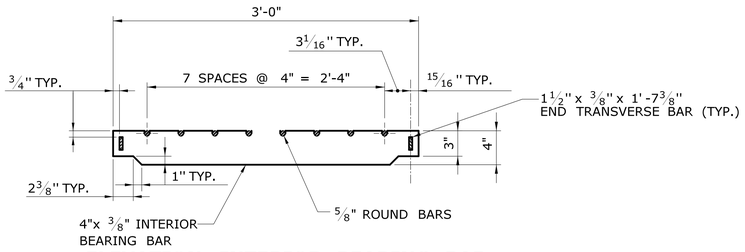


PLAN

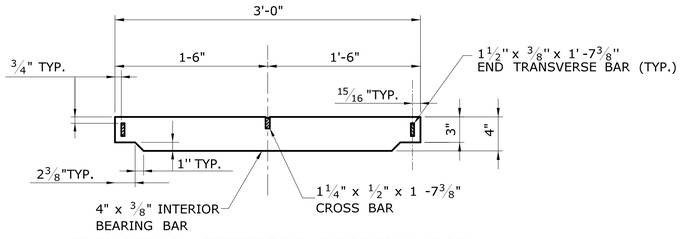


SECTION A - SECTION B -

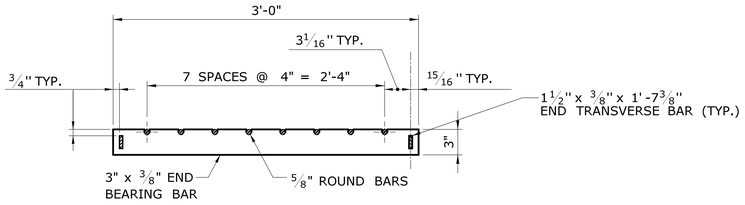
CAST IRON FRAME ALTERNATE



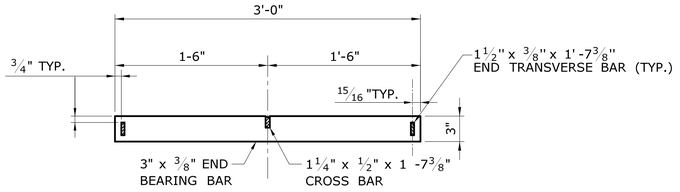
ELEVATION- INTERIOR BEARING BAR



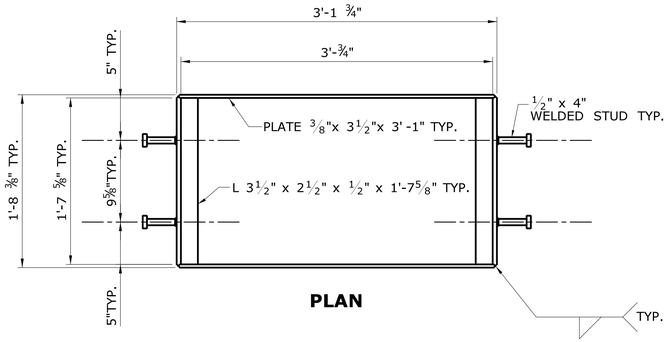
ELEVATION- INTERIOR BEARING BAR



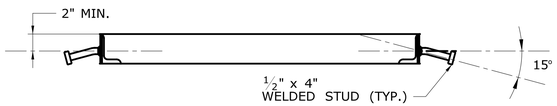
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



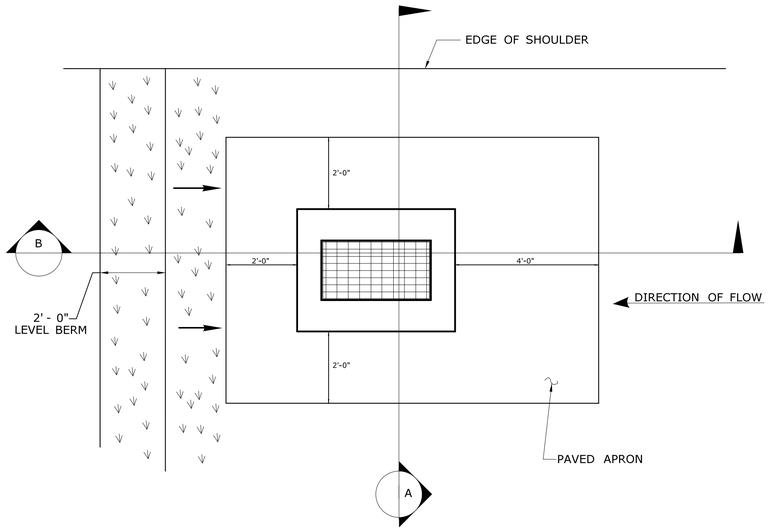
PLAN



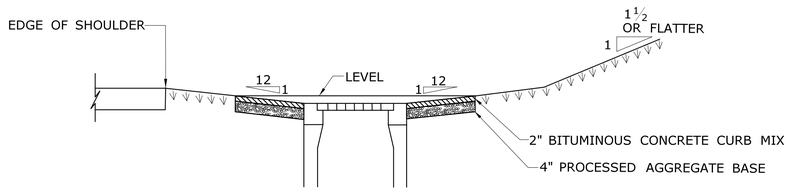
WELDED STUD ANCHOR DETAILS
STEEL FRAME

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO.: HW-586_08

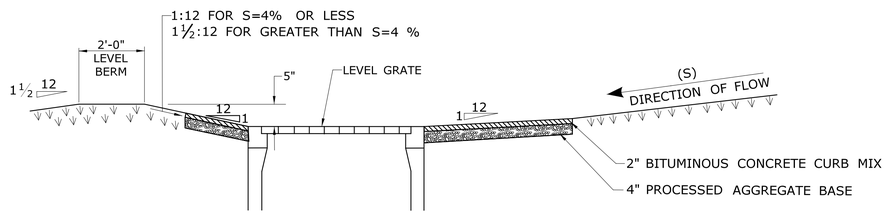
PLOTTED DATE: 6/30/2020



PLAN

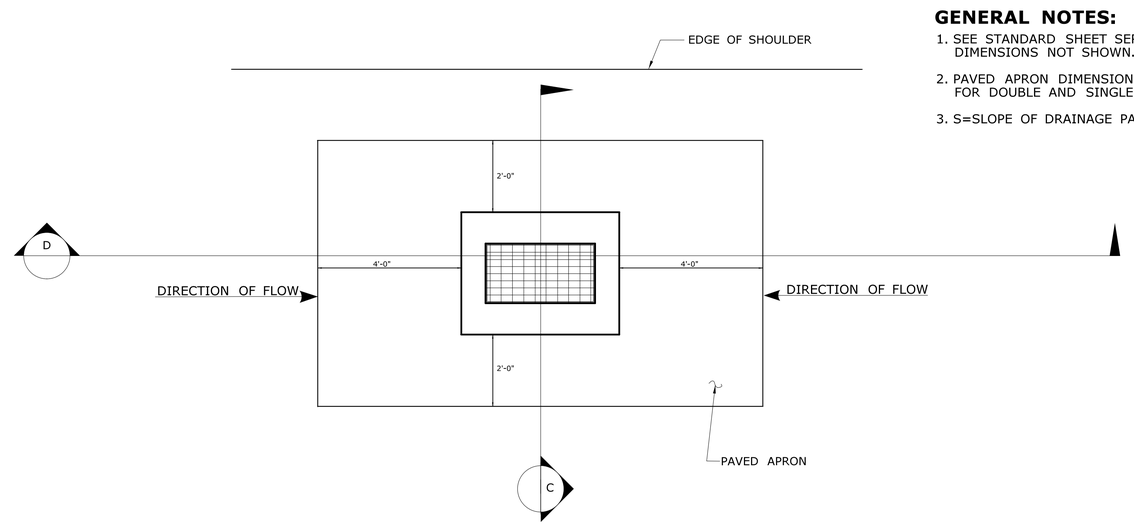


SECTION A -

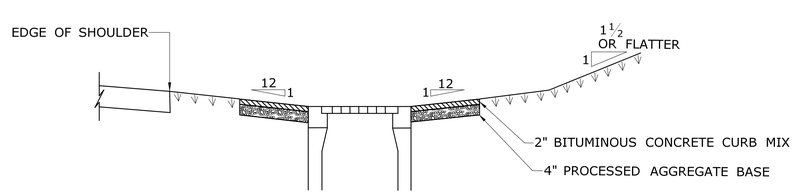


SECTION B -

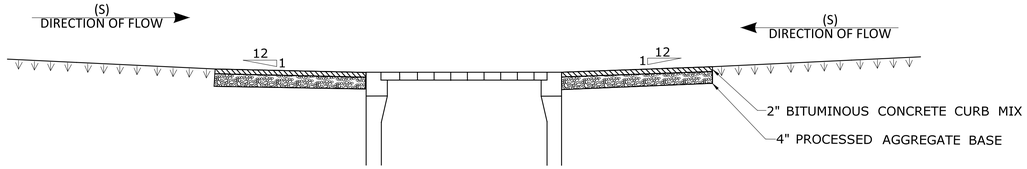
PAVED APRON FOR "C-L" CATCH BASIN ON GRADE



PLAN



SECTION C -



SECTION D -

PAVED APRON FOR "C-L" CATCH BASIN IN A SAG

GENERAL NOTES:

1. SEE STANDARD SHEET SERIES 507, FOR CATCH BASIN DIMENSIONS NOT SHOWN.
2. PAVED APRON DIMENSIONS WILL REMAIN THE SAME FOR DOUBLE AND SINGLE GRATES.
3. S=SLOPE OF DRAINAGE PATH

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

PAVED APRONS

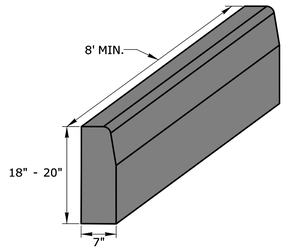
STANDARD SHEET NO.:

HW-803_01a

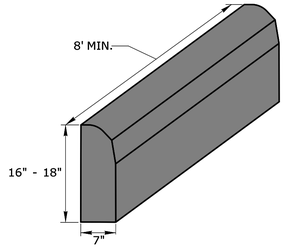
PLOTTED DATE: 6/30/2020

GENERAL NOTE:

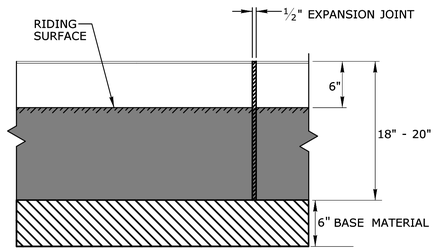
1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



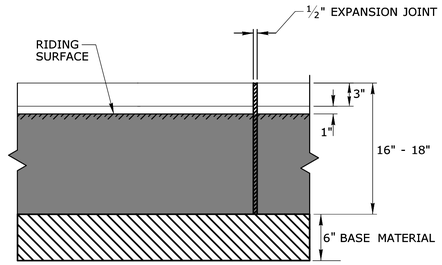
CONCRETE CURBING (6" REVEAL)



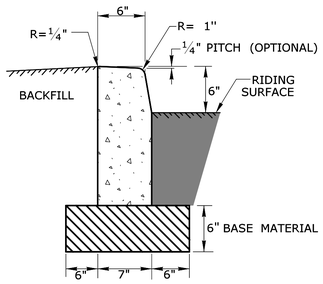
CONCRETE PARK CURBING (4" REVEAL)



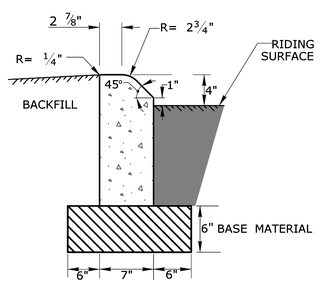
FRONT ELEVATION



FRONT ELEVATION



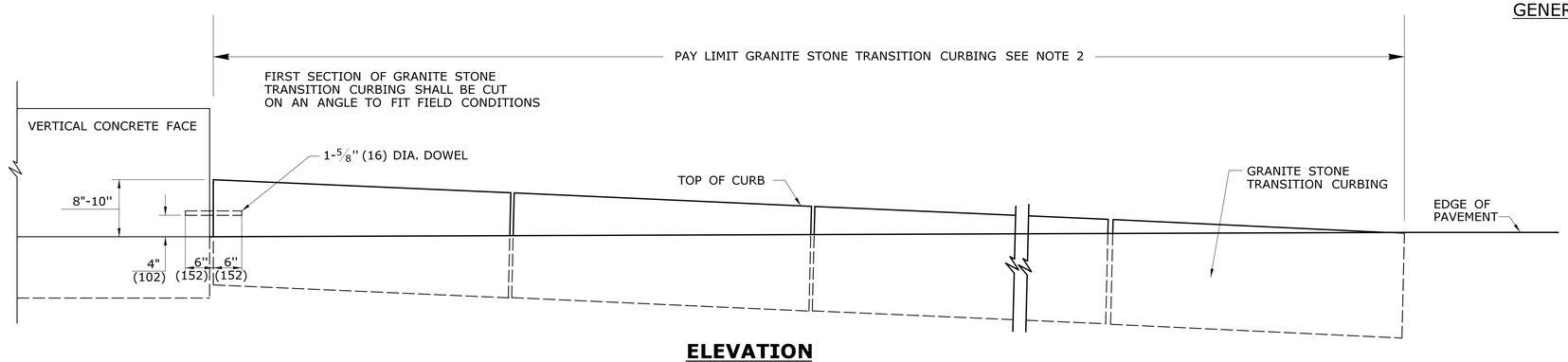
SECTION



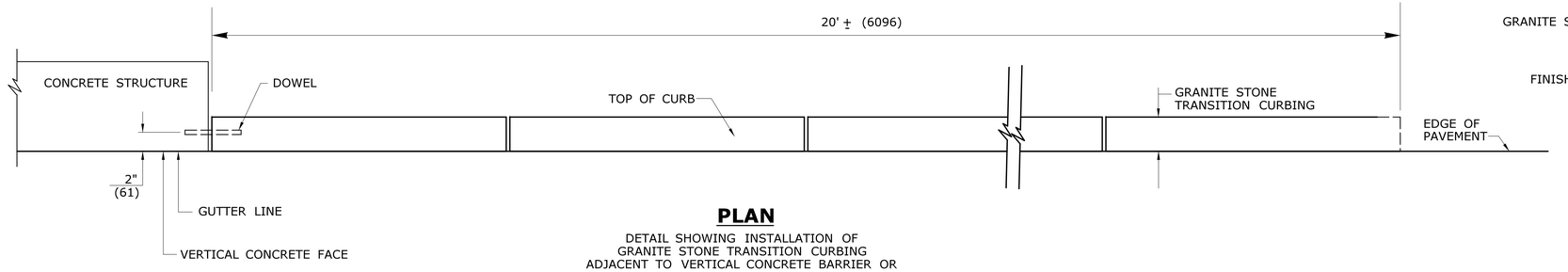
SECTION

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CONCRETE CURBING	STANDARD SHEET NO.: HW-811_01

PLOTTED DATE: 7/15/2020



ELEVATION

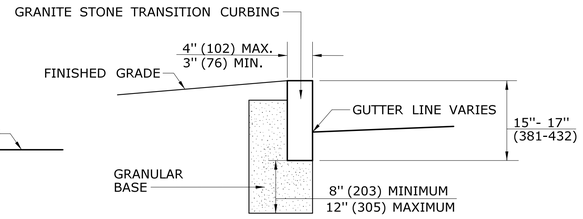


PLAN

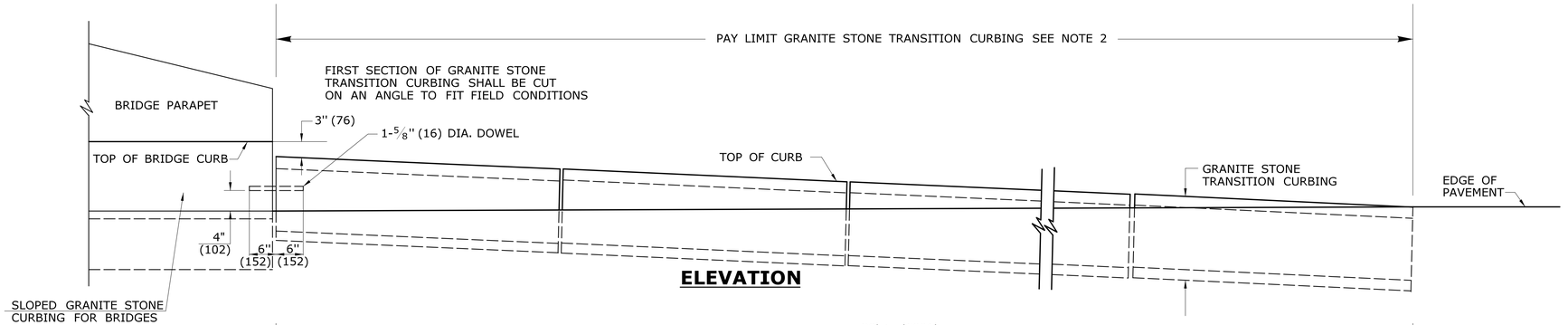
DETAIL SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING ADJACENT TO VERTICAL CONCRETE BARRIER OR VERTICAL FACE CONCRET BRIDGE BUILD-OUT WITH NO ADJACENT ROADWAY CURBING

GENERAL NOTES:

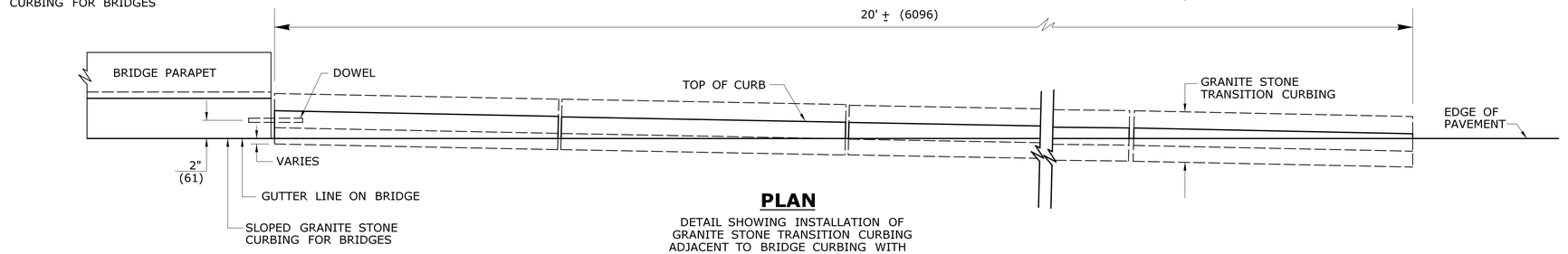
1. GRANITE STONE TRANSITION CURBING WILL BE INSTALLED AS NOTED ON THE PLANS AND IN ACCORDANCE WITH FORM 816 SECTION 8.13 "STONE CURBING".
2. GRANITE STONE TRANSITION CURBING (INCLUDING DOWEL) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "GRANITE STONE TRANSITION CURBING".
3. FOR NEW R-B 350 GUIDERAIL TRANSITIONS, ADJUSTMENT OF EXISTING CURBING HEIGHT TO A 4" (102) REVEAL AT THE BRIDGE PARAPET WILL BE REQUIRED. IT MAY BE PAID FOR, WHEN NOTED ON THE PLANS, UNDER THE ITEM "RESET CURBING".
4. NEW INSTALLATIONS OF THIS CURBING SHALL ONLY BE ALLOWED ON THE MERRITT PARKWAY.
5. GRANITE STONE TRANSITION CURBING SHALL BE INSTALLED TO MATCH THE SLOPE OF SLOPED GRANITE STONE CURBING ON THE BRIDGE. ALL SECTIONS OF THE TRANSITION CURBING SHALL BE 2'-0" (610) LONG.



TYPICAL SECTION SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING AT VERTICAL FACE

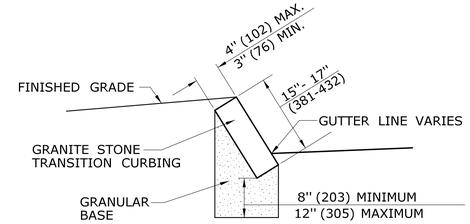


ELEVATION



PLAN

DETAIL SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING ADJACENT TO BRIDGE CURBING WITH NO ADJACENT ROADWAY CURBING

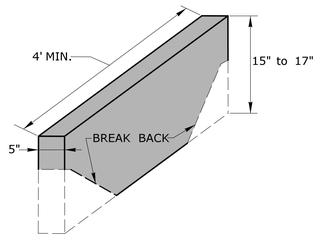


TYPICAL SECTION SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING AT SLOPED GRANITE BRIDGE CURBING

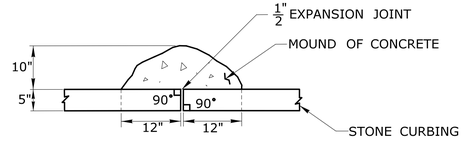
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: GRANITE STONE TRANSITION CURBING / STANDARD SHEET NO.: HW-813_01

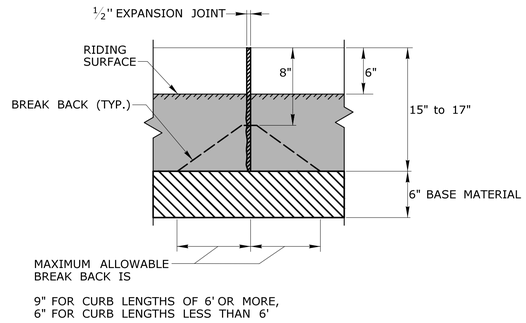
PLOTTED DATE: 7/1/2020



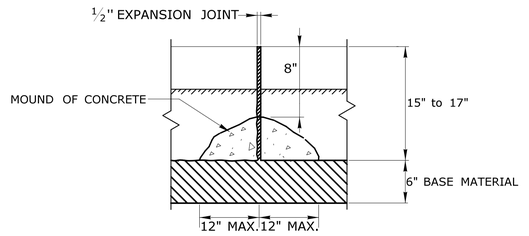
STONE CURBING



PLAN

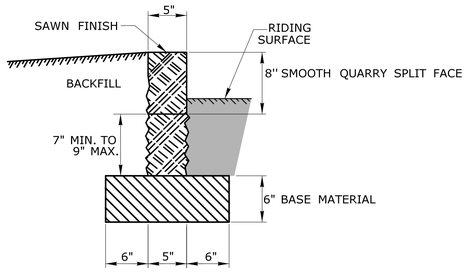


FRONT ELEVATION



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING



SECTION

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

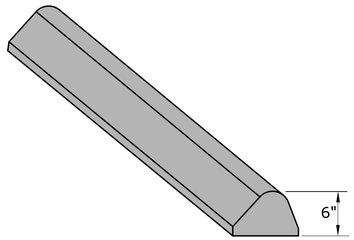
STANDARD SHEET TITLE:

STONE CURBING

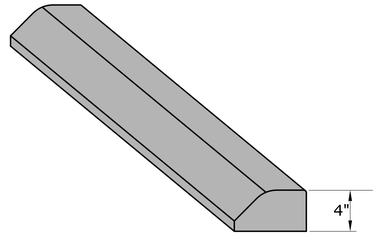
STANDARD SHEET NO.:

HW-813_02

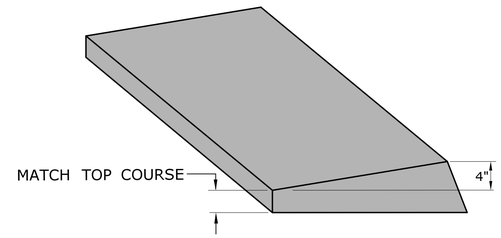
PLOTTED DATE: 7/1/2020



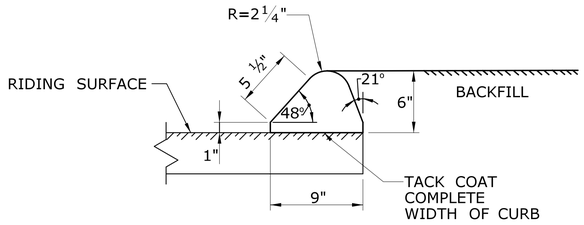
BITUMINOUS CONCRETE LIP CURBING
(6" HIGH)



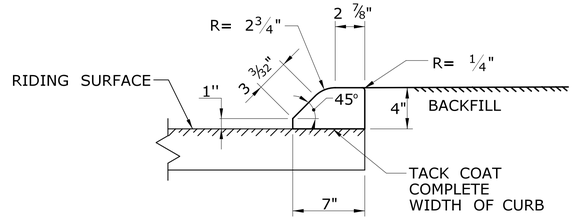
BITUMINOUS CONCRETE PARK CURBING
(4" HIGH)



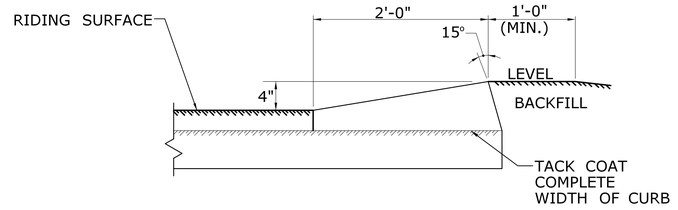
BITUMINOUS CONCRETE BERM CURBING
(4" HIGH)



SECTION



SECTION



SECTION

NOT TO SCALE
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SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

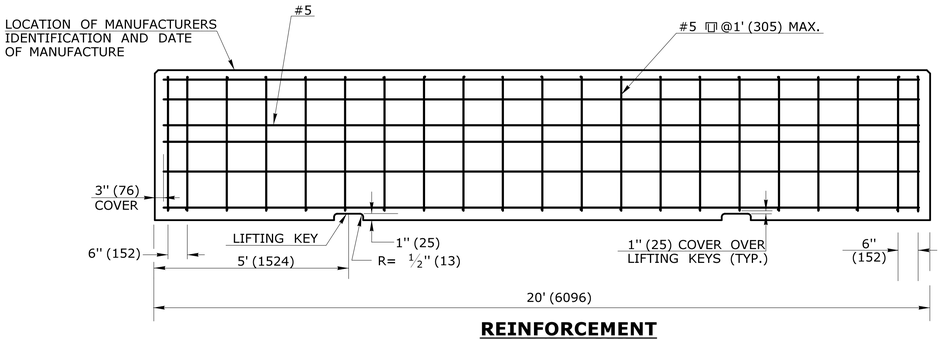
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

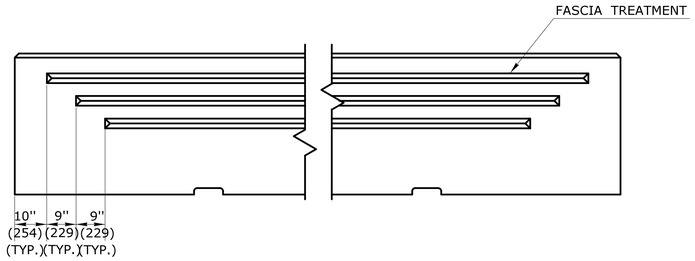
STANDARD SHEET TITLE:
BITUMINOUS CONCRETE CURBING

STANDARD SHEET NO.:
HW-815_01

PLOTTED DATE: 7/7/2020



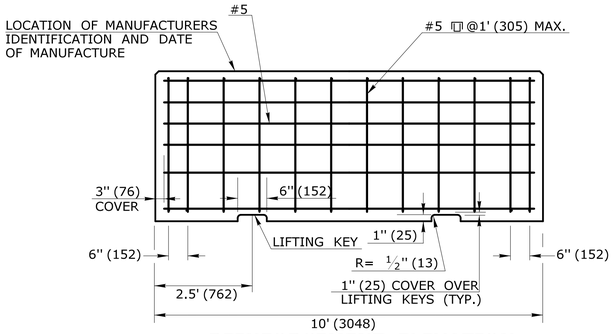
REINFORCEMENT ELEVATION



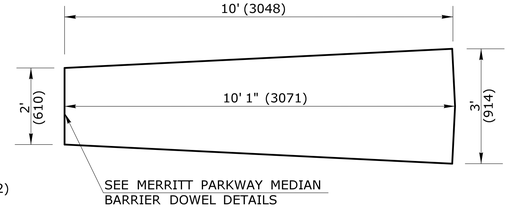
PARTIAL ELEVATION FASCIA TREATMENT

GENERAL NOTES:

1. ALTERNATE DESIGN FOR THE FOLLOWING MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL:
   a. UNIT END CONNECTIONS SIMILAR TO THE DESIGN SHOWN.
   b. LIFTING HOLES, KEYS OR OTHER HANDLING DEVICES.
2. PRECAST UNITS SHALL BE COATED WITH A PENETRATING SEALER.
3. REINFORCING SHALL BE UNCOATED AND CONFORM TO ASTM A615, GRADE 60.(420)
4. CONCRETE SHALL BE PCC 04460 COCNRETE WITH A MINIMUM 28 DAY STRENGTH (f'c) = 4,000 PSI. (28 MPa)
5. DOWELS SHALL CONFORM TO ASTM A36 AND BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
6. THE FIRST AND LAST SECTIONS IN A RUN OF MERRITT PARKWAY BARRIER SHALL NOT HAVE EXPOSED PROTRUDING DOWELS.
7. TERMINAL END TREATMENTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. SEE HW-910_12c FOR MERRITT PARKWAY GUIDERAIL ATTACHMENT TO BARRIER DETAILS.

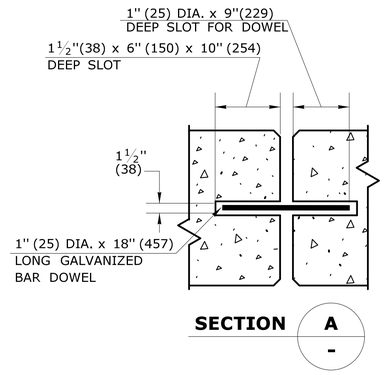


REINFORCEMENT ELEVATION

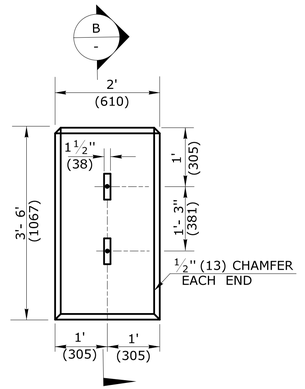


PLAN

MERRITT PARKWAY MEDIAN BARRIER TRANSITION SECTION

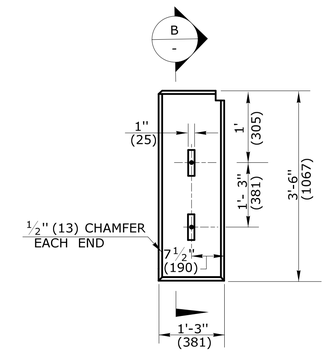


SECTION A -



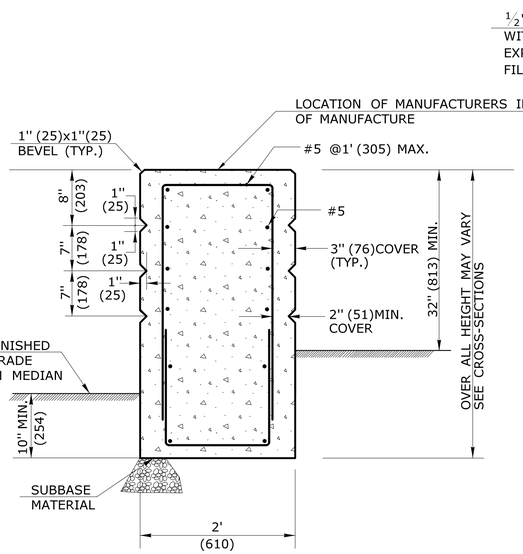
END VIEW

MERRITT PARKWAY MEDIAN BARRIER

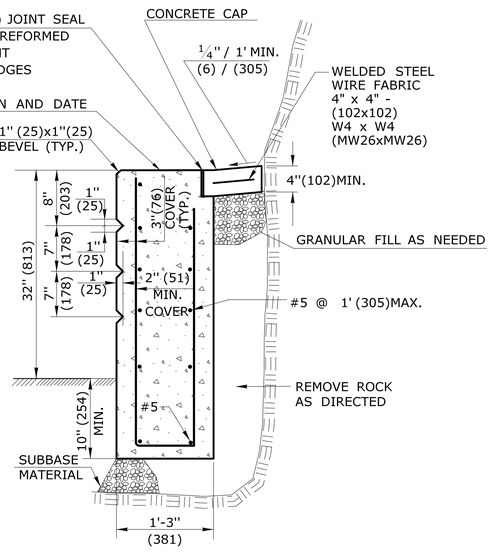


END VIEW

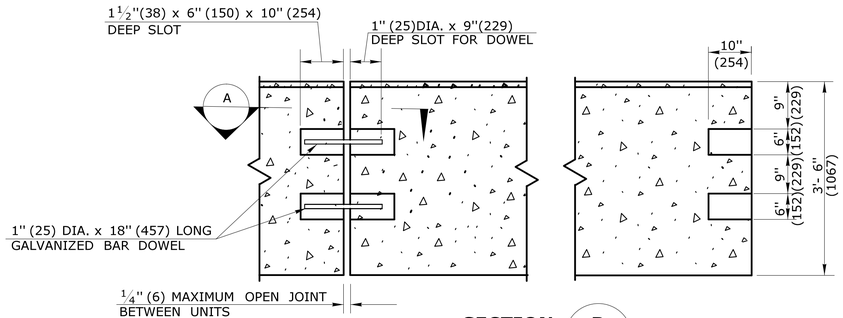
MERRITT PARKWAY ROADSIDE BARRIER



MERRITT PARKWAY MEDIAN BARRIER



MERRITT PARKWAY ROADSIDE BARRIER



SECTION B -

DOWEL DETAILS AT END OF BARRIER

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

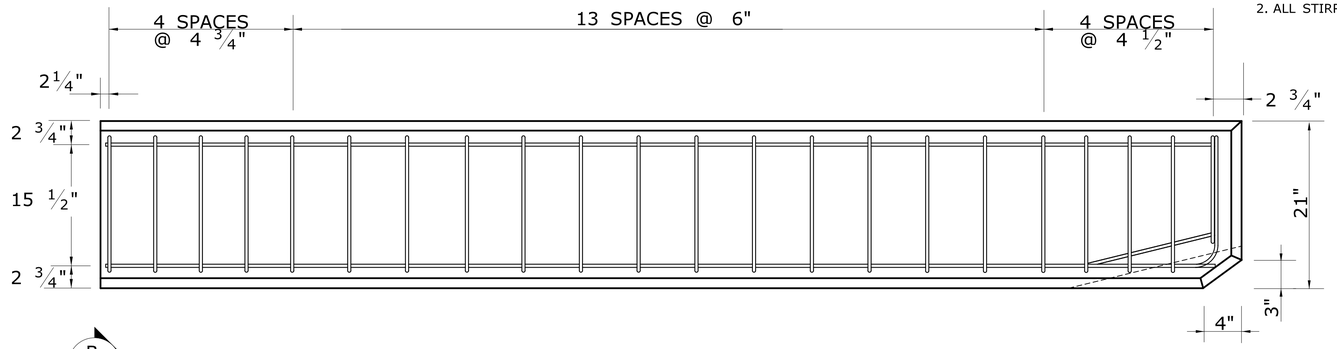
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MERRITT PARKWAY 2' WIDE MEDIAN BARRIER AND ROADSIDE BARRIER

STANDARD SHEET NO.: HW-821_04b

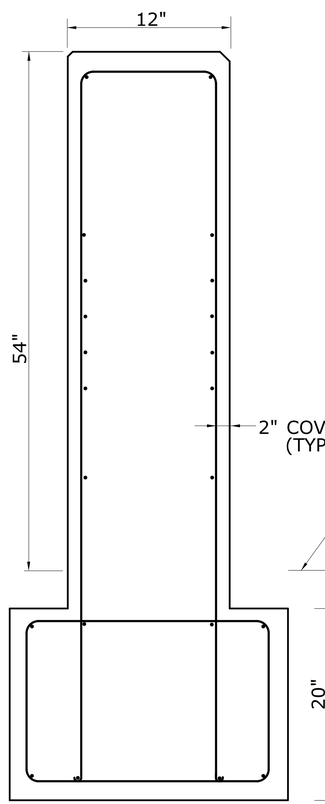
PLOTTED DATE: 7/1/2020

GENERAL NOTES:

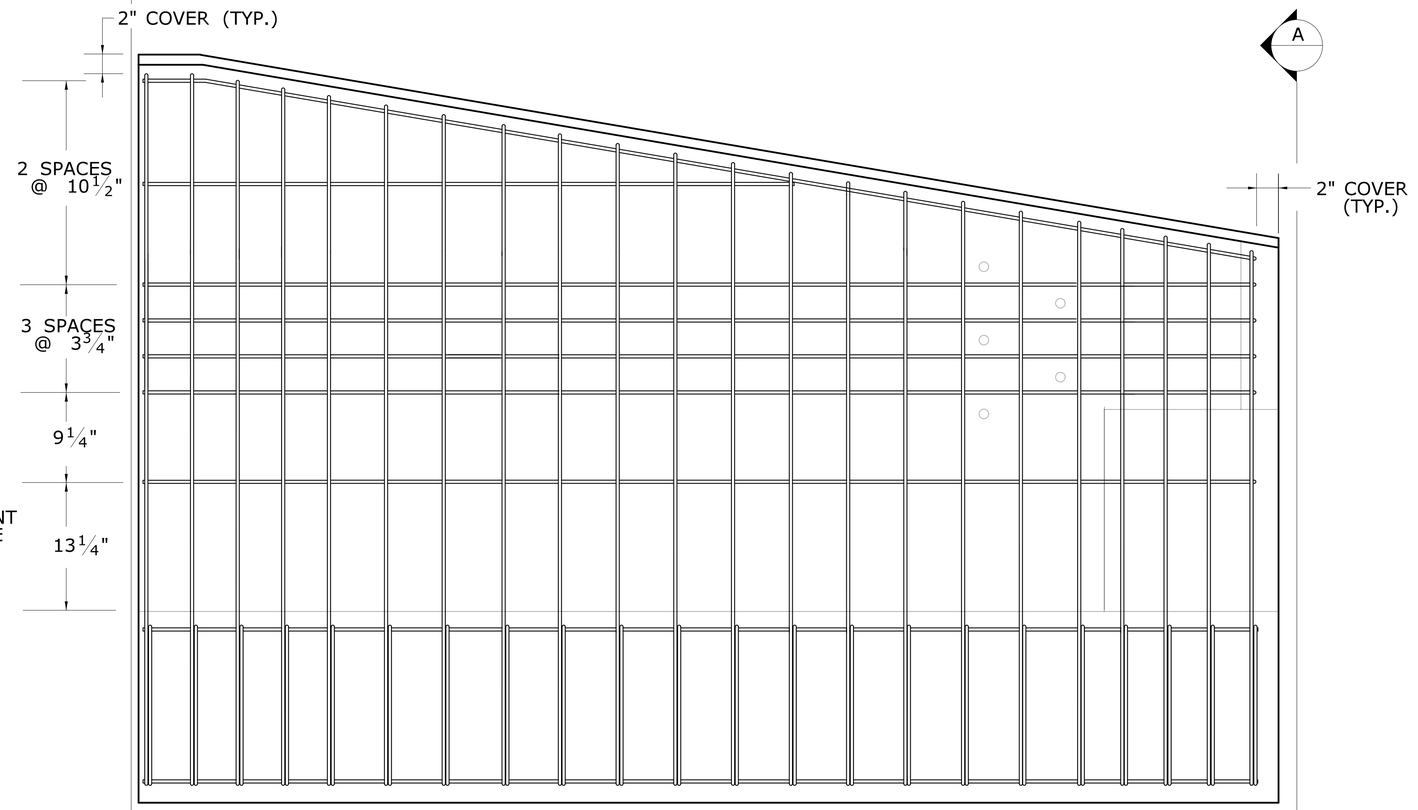
1. USE #5 BAR FOR ALL REINFORCING BARS.
2. ALL STIRRUPS HAVE A MINIMUM TWO INCH CONCRETE CLEAR COVER.



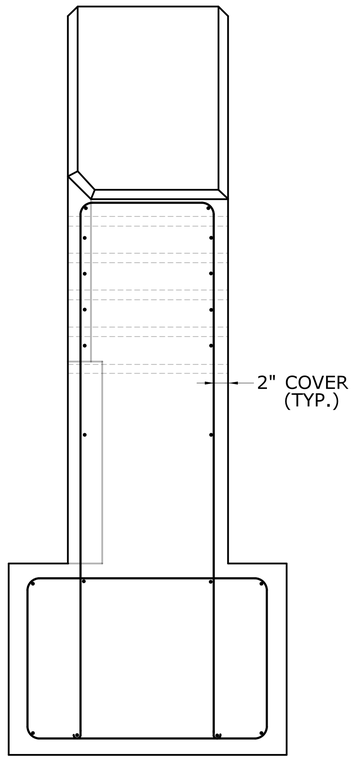
PLAN



SECTION B



ELEVATION

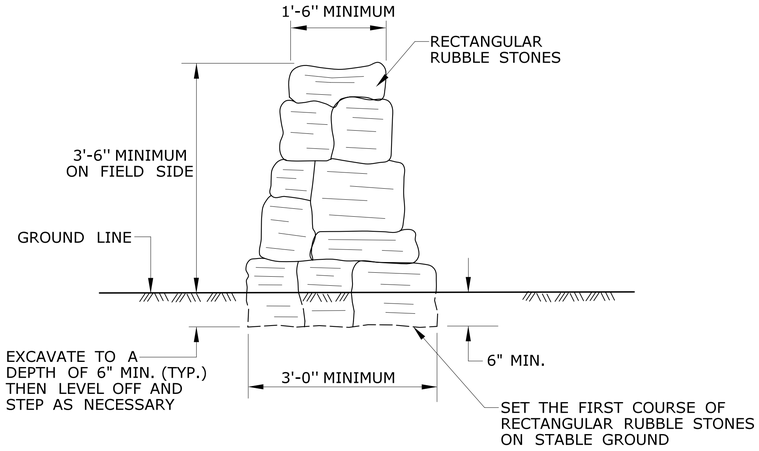


SECTION A

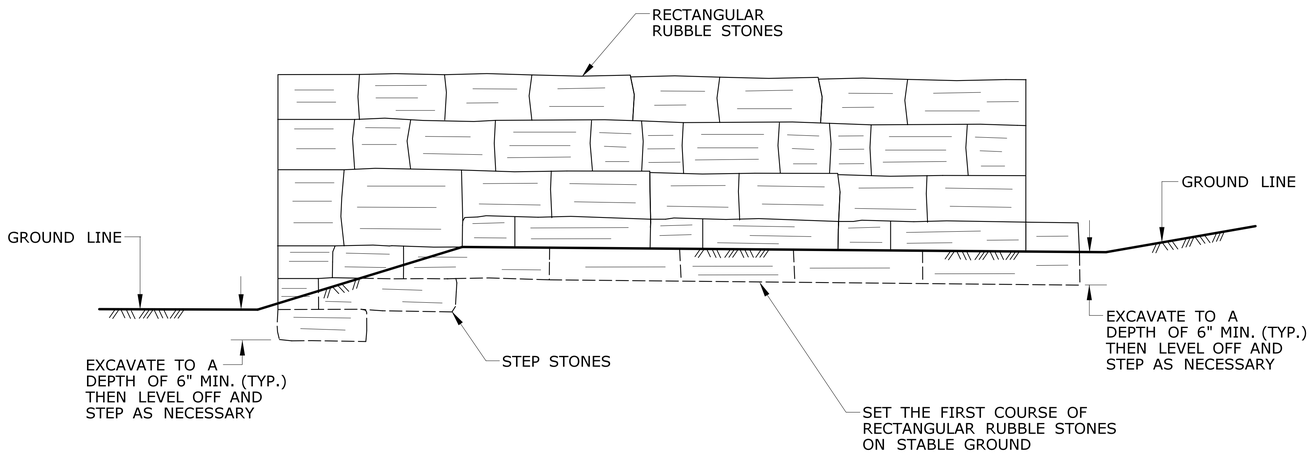
MASH 2016 COMPLIANT
APPROVAL ID. 2019-01

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: VERTICAL FACE PRECAST CONCRETE BARRIER CURB (21" X 54") TRANSITION FOR THRIE-BEAM ATTACHMENT - REINFORCEMENT	STANDARD SHEET NO.: HW-821_10b

PLOTTED DATE: 7/1/2020



SECTION



ELEVATION

STONE WALL FENCE

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

CTDOT
STANDARD SHEET

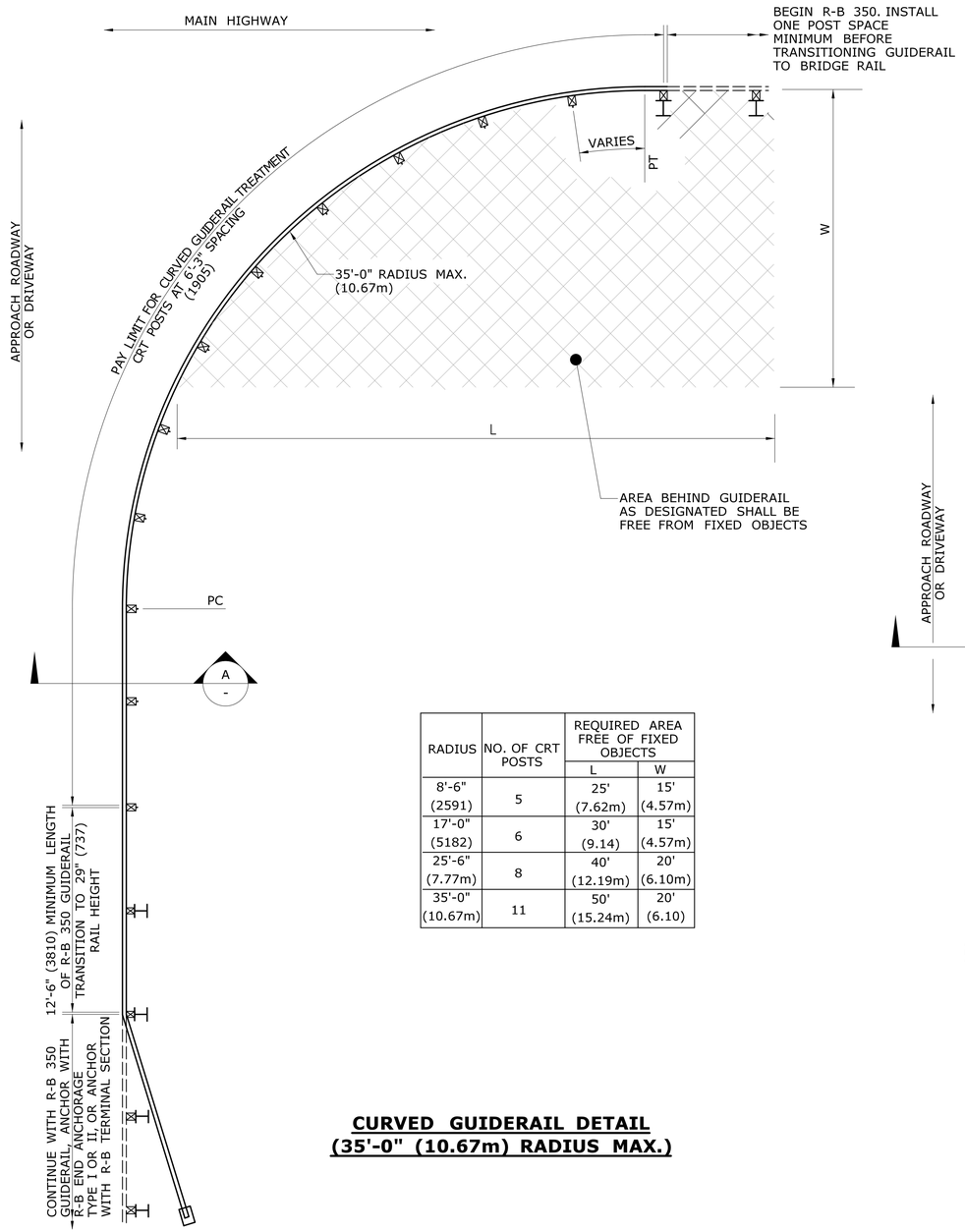
STANDARD SHEET TITLE:

STONE WALL FENCE

STANDARD SHEET NO.:

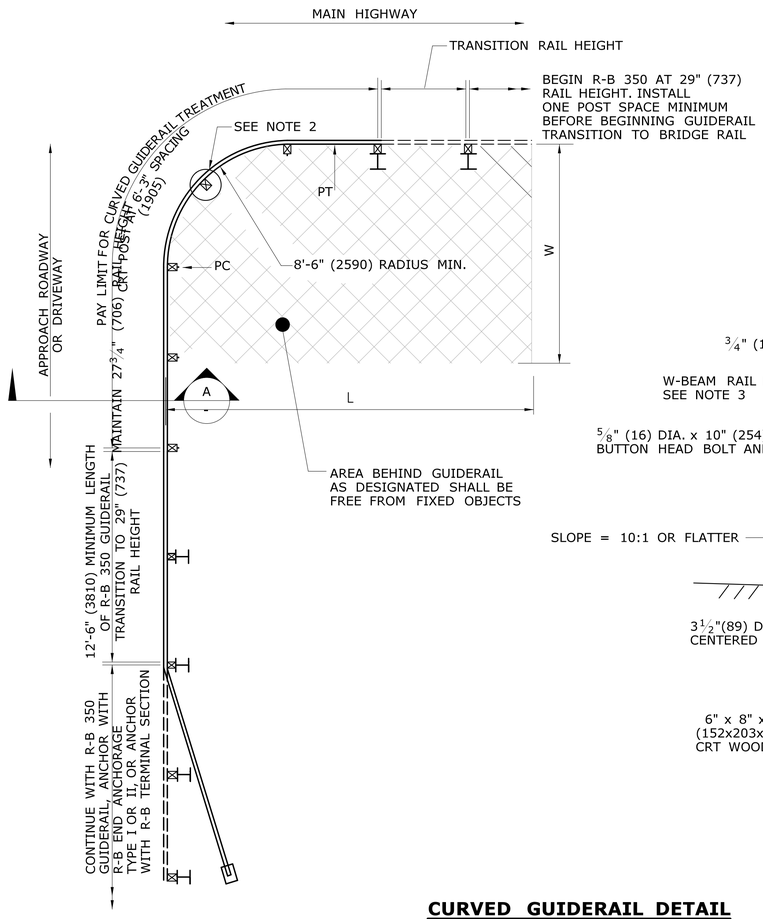
HW-905_01

PLOTTED DATE: 7/1/2020

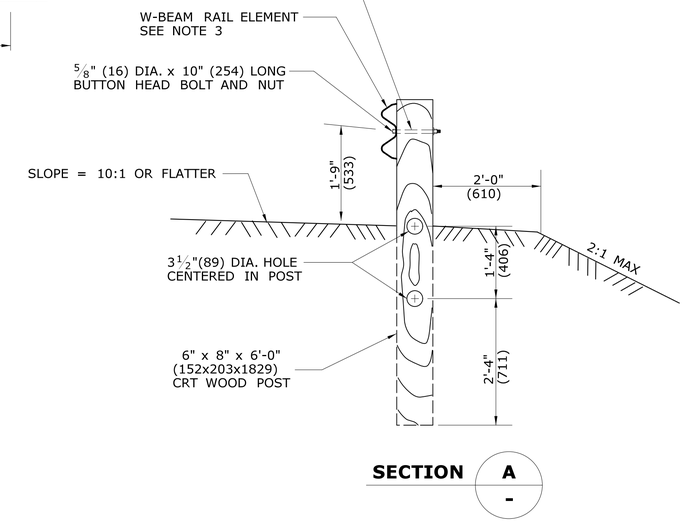


RADIUS	NO. OF CRT POSTS	REQUIRED AREA FREE OF FIXED OBJECTS	
		L	W
8'-6" (2591)	5	25' (7.62m)	15' (4.57m)
17'-0" (5182)	6	30' (9.14)	15' (4.57m)
25'-6" (7.77m)	8	40' (12.19m)	20' (6.10m)
35'-0" (10.67m)	11	50' (15.24m)	20' (6.10)

CURVED GUIDERAIL DETAIL
(35'-0" (10.67m) RADIUS MAX.)



CURVED GUIDERAIL DETAIL
(8'-6"(2590) RADIUS MIN.)



GENERAL NOTES:

1. NO WASHERS ARE USED ON THE 5/8" (16) DIA. BUTTON HEAD BOLTS CONNECTING THE RAIL TO THE CONTROLLED RELEASING TERMINAL (CRT) POSTS.
2. THE RAIL IS NOT BOLTED TO THE CRT POST AT THE CENTER OF THE NOSE AS SHOWN FOR THE 8'-6" (2590) RADIUS CURVED GUIDERAIL TREATMENT ONLY.
3. THE CURVED GUIDERAIL SECTION SHALL BE SHOP BENT.
4. THE SLOPE FROM THE EDGE OF THE SHOULDER TO THE FACE OF THE RAIL SHALL BE 10:1 OR FLATTER. NO CURBING SHALL BE INSTALLED WITHIN THE PAY LIMIT OF THE CURVED GUIDERAIL TREATMENT.
5. THIS SYSTEM SHALL BE USED ONLY ON ROADS WITH DESIGN SPEEDS ≤ 50 mph (80 kph).
6. MAINTAIN MINIMUM 27 3/4" (706) RAIL HEIGHT THROUGH RADIUS.

ALL METRIC DEMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

NOT TO SCALE
####

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

SUBMITTED BY:

APPROVED BY:

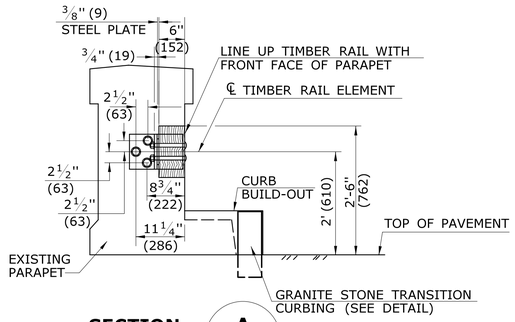
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

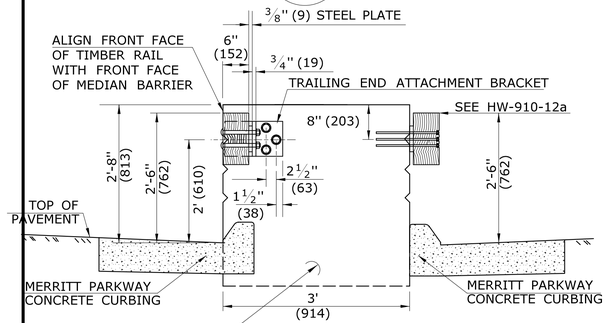
STANDARD SHEET TITLE:
CURVED GUIDERAIL TREATMENT

STANDARD SHEET NO.:
HW-910_11

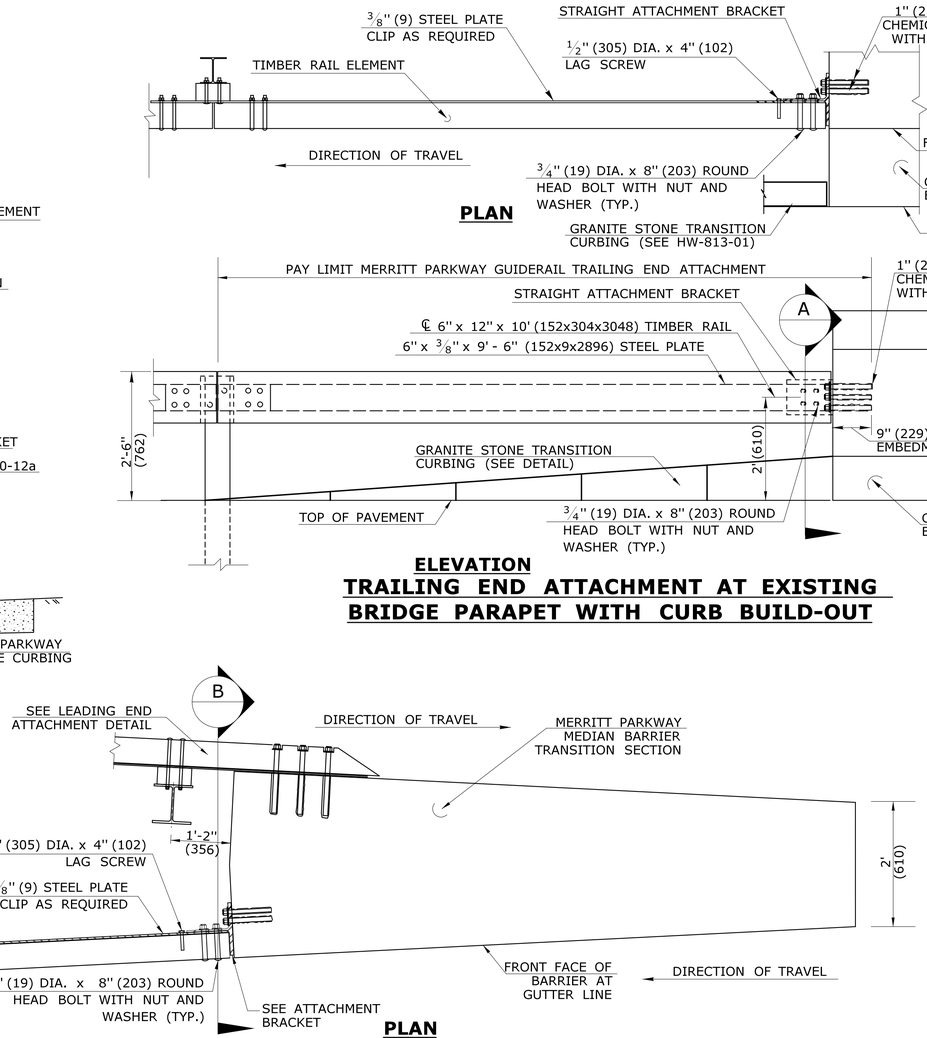
PLOTTED DATE: 7/1/2020



SECTION A



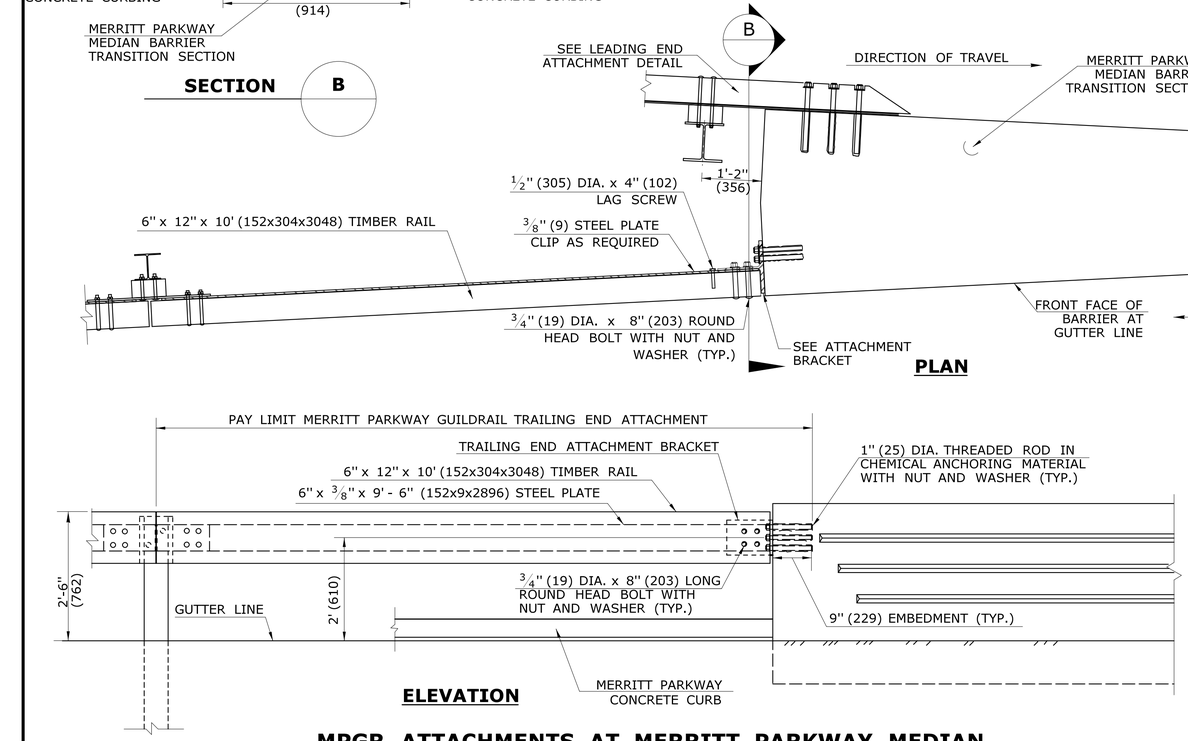
SECTION B



PLAN

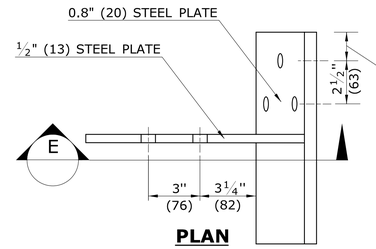
ELEVATION

TRAILING END ATTACHMENT AT EXISTING BRIDGE PARAPET WITH CURB BUILD-OUT



ELEVATION

MPGR ATTACHMENTS AT MERRITT PARKWAY MEDIAN BARRIER CONCRETE TRANSITION SECTION



PLAN

GENERAL NOTES:

1. THREADED RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325, WITH NUTS CONFORMING TO ASTM A563, GRADE C. CIRCULAR HARDENED WASHERS SHALL CONFORM TO ASTM F436. THREADED NUTS AND WASHERS IN CONTACT WITH CONCRETE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153. ROUND HEAD BOLTS SHALL CONFORM TO THE SPECIAL PROVISIONS PROVIDED WITH THE PROJECT.

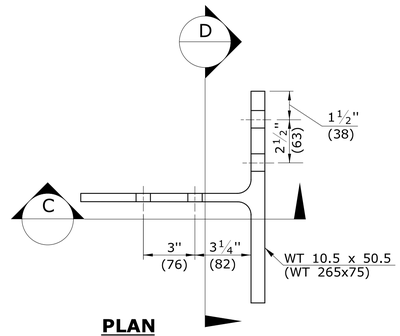
2. CHEMICAL ANCHORING MATERIAL SHALL CONFORM TO SECTION M.03, SUBARTICLE M.03.01-15

3. ATTACHMENT BRACKETS SHALL CONFORM TO ASTM A36 AND BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

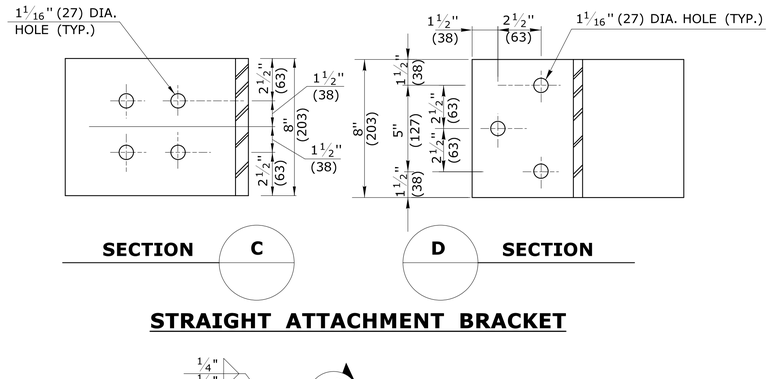
4. THE PAY LIMIT FOR TRAILING END ATTACHMENT INCLUDES ALL HARDWARE AND RAIL ELEMENTS TO AND INCLUDING THE FIRST POST.

5. ALL RUNS OF MERRITT PARKWAY MEDIAN BARRIER SHALL INCLUDE MERRITT PARKWAY MEDIAN BARRIER TRANSITIONS SECTIONS AT BOTH ENDS.

6. THE END OF TIMBER RAIL ATTACHED TO THE ANGLED ATTACHMENT BRACKET FOR THE RIPAWAM RIVER SHALL BE MITERED TO MATCH THE ANGLE OF THE BRACKET AND PARAPET.

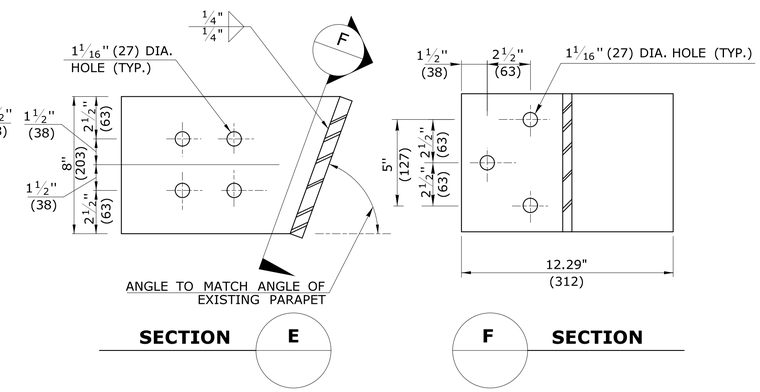


PLAN



SECTION C **SECTION D**

STRAIGHT ATTACHMENT BRACKET



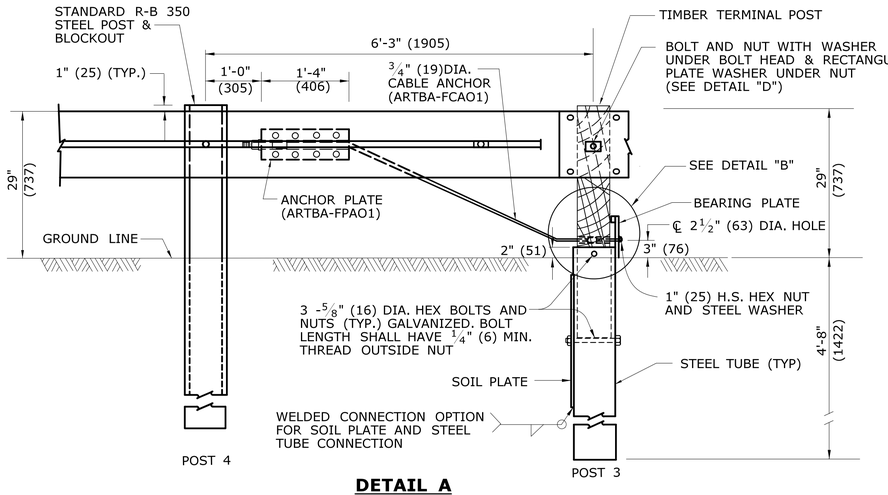
SECTION E **F SECTION**

ANGLED ATTACHMENT BRACKET FOR TRAILING END ATTACHMENT

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

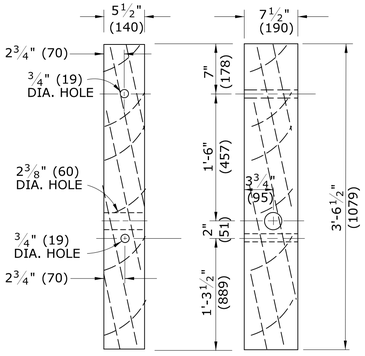
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS / STANDARD SHEET NO.: HW-910_12c

PLOTTED DATE: 7/1/2020



DETAIL A

CABLE ANCHORAGE ASSEMBLY

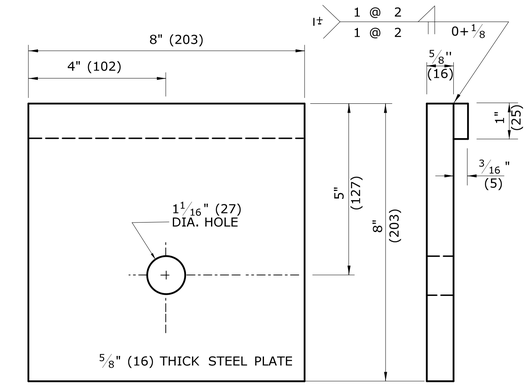


DETAIL C

TIMBER TERMINAL POST

(ARTBA-PDFO1)

(SEE NOTE 2)



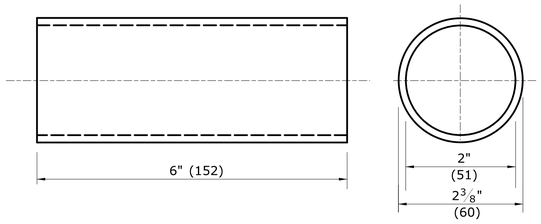
BEARING PLATE

(ARTBA-FPBO1)

GENERAL NOTES:

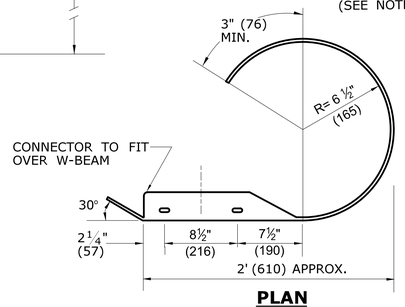
1. APPROACH END R-B TERMINAL SECTION SHALL ONLY BE USED ON LOW SPEED (<45 MPH) ROADWAYS.
2. POSTS 1, 2 AND 3 ARE TIMBER TERMINAL POSTS (DETAIL "C") WITH STEEL TUBES. POSTS 4 AND 5 ARE STANDARD R-B 350 STEEL POSTS WITH BLOCKOUTS.
3. REFER TO CTDOT STANDARD SPECIFICATIONS FOR MATERIAL AND GENERAL CONSTRUCTION METHODS.
4. MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE 29" (737) + 1" (25).

-

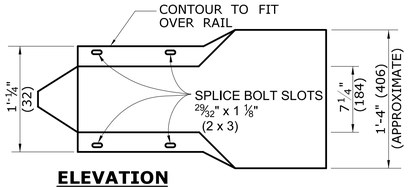


BREAKAWAY TERMINAL POST SLEEVE

(ARTBA-FMMO2)

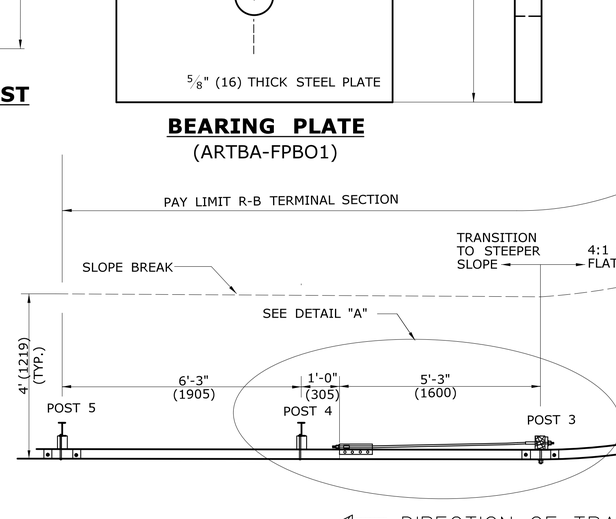


PLAN



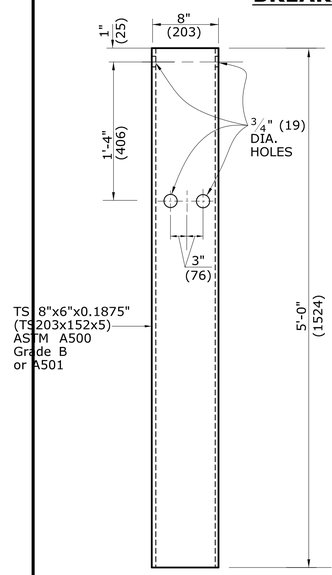
ELEVATION

ROUNDED W-BEAM END SECTION

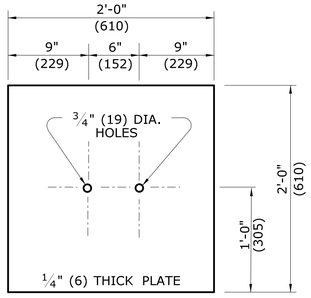


DIRECTION OF TRAFFIC

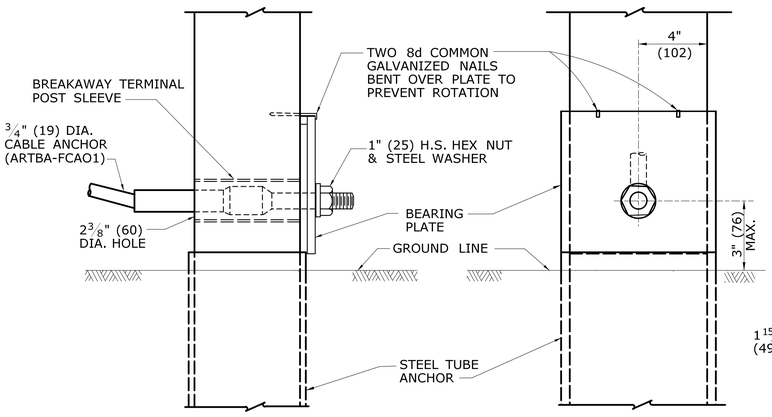
APPROACH END (TRAILING END NOT SHOWN)



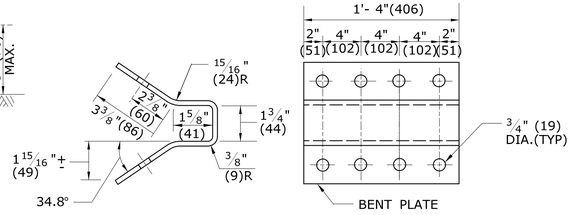
STEEL TUBE



SOIL PLATE (2 Req'd)



DETAIL B

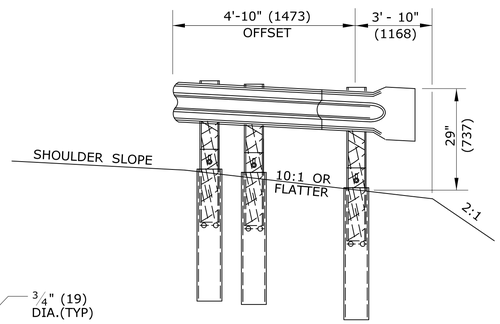


DETAIL D

RECTANGULAR PLATE WASHER

ANCHOR PLATE

(ARTBA-FPAO1)



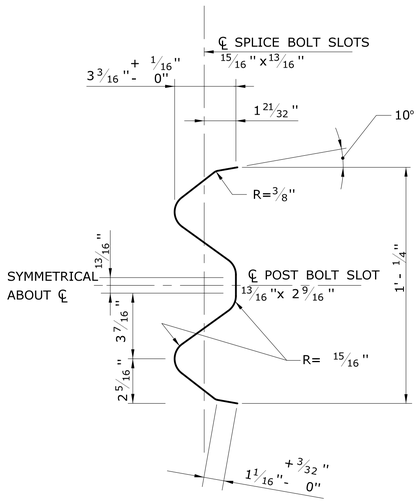
SECTION A

-

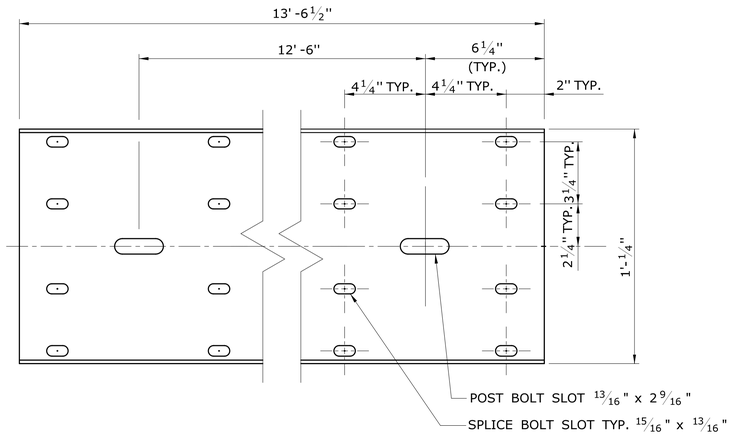
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: R-B TERMINAL SECTION	STANDARD SHEET NO.: HW-910_17

PLOTTED DATE: 7/1/2020

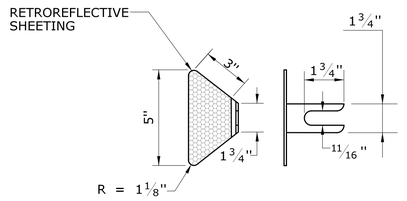


SECTION VIEW



ELEVATION VIEW

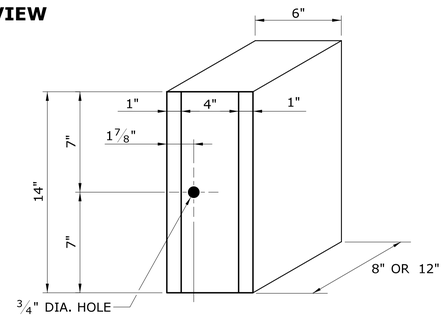
TYPICAL W-BEAM RAIL ELEMENT



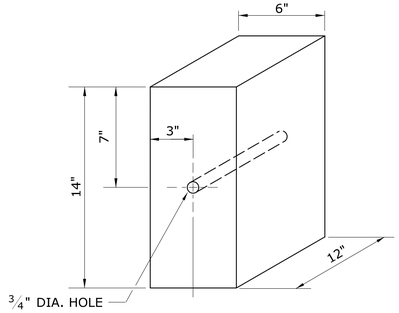
W-BEAM DELINEATOR

GENERAL NOTES:

1. W6 x 9 POSTS MAY BE USED IN PLACE OF W6 x 8.5 POSTS.
2. W-BEAM GUIDERAIL SHALL USE CLASS A (12 GAUGE), TYPE II W-BEAM RAIL ELEMENTS.
3. SEVEN FOOT LONG STEEL POSTS (W6 X 8.5) ARE TO BE INSTALLED WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES



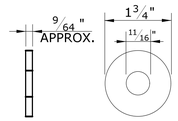
8" or 12" PLASTIC BLOCKOUT
NOMINAL DIMENSIONS



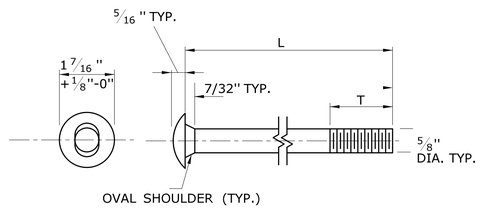
12" WOOD BLOCKOUT

W-BEAM DELINEATOR INSTALLATION NOTES:

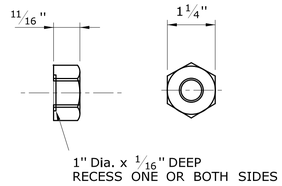
1. INSTALL W-BEAM DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 8' FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE W-BEAM DELINEATORS SHALL BE INSTALLED ON ANY LENGTH OF GUIDERAIL.
2. THE SPACING OF W-BEAM DELINEATORS IS 50 FEET, INSTALLED AT RAIL SPLICE LOCATIONS. SPACING IS 25 FEET ON RADII LESS THAN 300 FEET.
3. NO W-BEAM DELINEATORS ARE PERMITTED WITHIN 75 FEET OF THE IMPACT HEAD OF ANY TANGENTIAL OR FLARED IMPACT ATTENUATION SYSTEM.
4. RETROREFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.



WASHER
[FWC16a]



BUTTONHEAD BOLT

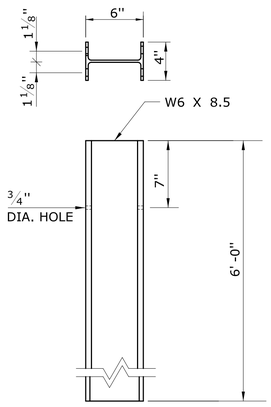


HEX NUT

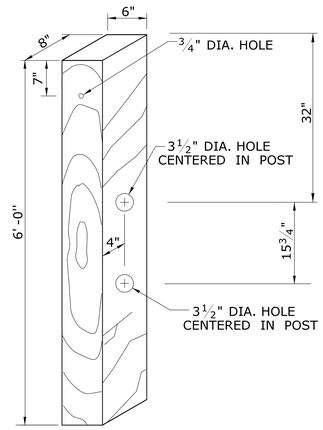
DESIGNATOR	L	T	INTENDED USE
FBB01	1-1/4"	1-1/8"	RAIL SPLICE BOLTS
FBB02	2"	1-3/4"	RUB RAIL BOLTS
FBB03	10"	4"	POST BOLTS (8" BLOCK OUTS)
	14"	4"	POST BOLT (12" BLOCK OUTS)
FBB04	18"	4"	POST BOLTS (2- 8"BLOCK OUTS)
	22"	4"	POST BOLT (CRT WOOD POST SYSTEM)

5/8" BUTTON HEAD BOLT(S) AND RECESSED NUT(S)

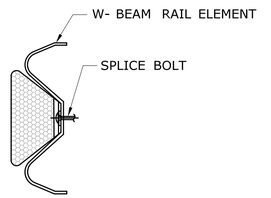
NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.



STEEL POST
6'-0" LONG



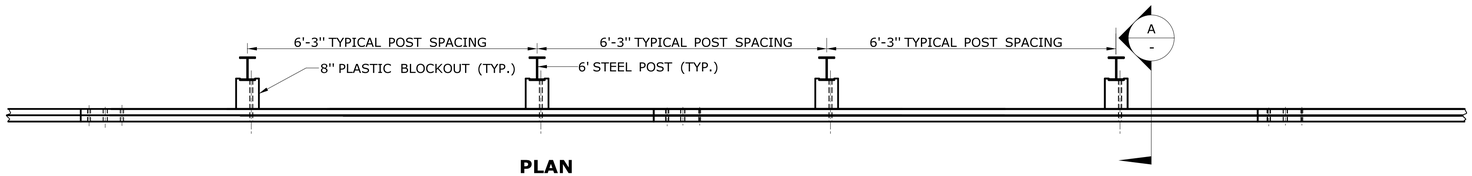
CONTROL RELEASE TIMBER (CRT) POST
6' - 0" LONG



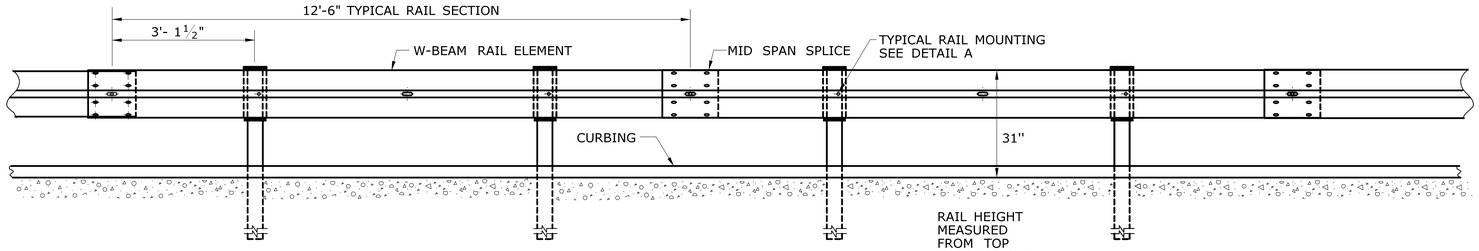
W-BEAM DELINEATOR INSTALLATION

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MASH W-BEAM HARDWARE	STANDARD SHEET NO.: HW-910_20

PLOTTED DATE: 7/1/2020



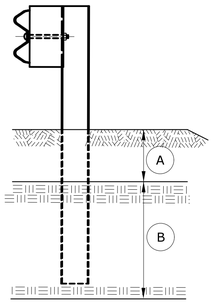
PLAN



ELEVATION
METAL BEAM RAIL (R-B MASH) GUIDERAIL

GENERAL NOTES:

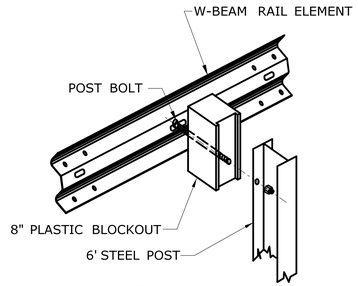
1. SEE SHEET HW-910_20 FOR MASH W-BEAM HARDWARE AND W-BEAM DELINEATOR DETAILS.
2. THREE BLOCKOUTS MAY BE USED FOR ONE POST ONLY. TWO BLOCKOUTS MAY BE USED FOR A SERIES OF POSTS. THE COST OF ADDITIONAL BLOCKOUTS AND LONGER BOLTS SHALL BE INCLUDED IN THE PRICE PER FOOT OF GUIDERAIL. EXTRA BLOCKOUTS AT TRANSITIONS TO BRIDGE PARAPETS SHOULD BE AVOIDED. DO NOT USE ADDITIONAL BLOCKS IF IT CAUSES THE POST TO BE DRIVIEN BEYOND AN EMBANKMENT HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.
3. IF BLOCKOUTS DO NOT AVOID POST FROM OBSTRUCTION, ONE POST MAY BE OMITTED IF 50 FEET OF GUIDERAIL EXISTS ON BOTH SIDES OF LOCATION. USE METAL BEAM RAIL SPAN SECTION TYPE II OR III FOR MORE THAN ONE CONSECUTIVE OMITTED POST, SEE SHEET HW-910_24.
4. W-BEAM GUIDERAIL MAY BE PLACED 1' OR MORE FROM THE EDGE OF PAVEMENT ONLY ON SLOPES 10:1 OR FLATTER AND WITHOUT CURBING.
5. IF THE RAIL IS INSTALLED WITHIN 2' OF THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE SHOULDER SLOPE EXTENDED TO THE RAIL. IF THE RAIL IS INSTALLED BEYOND 2' FROM THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE GROUND DIRECTLY BELOW THE RAIL.
6. RAIL HEIGHT CONSTRUCTION TOLERANCE IS +/- 1 INCH.



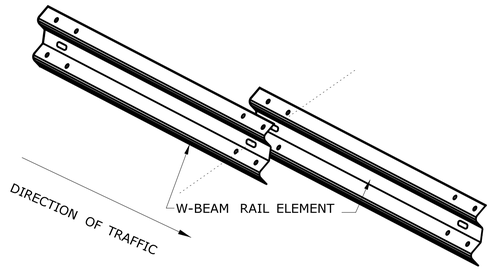
CONDITION 1 :
IF SOIL DEPTH IS ≤ 18" DEEP (A) DRILL 20" DIA. HOLE 24" INTO LEDGE. (B)

CONDITION 2 :
IF SOIL DEPTH IS > 18" DEEP (A) DRILL 8" DIA. HOLE 12" INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT WHICHEVER IS LESS.

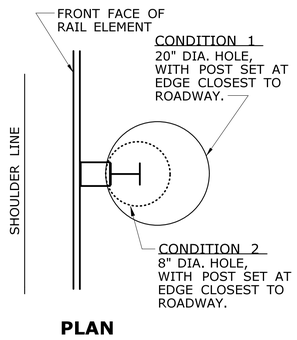
ELEVATION



DETAIL A
RAIL MOUNTING

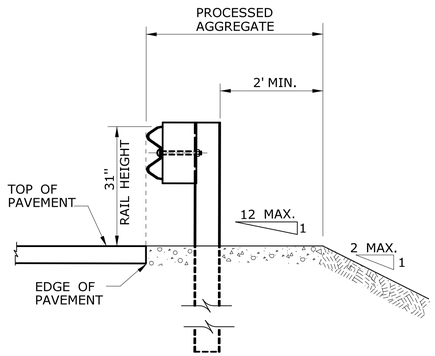


LAP W-BEAM RAIL SECTIONS
NOTE: EIGHT (8) SPLICE BOLTS PER JOINT



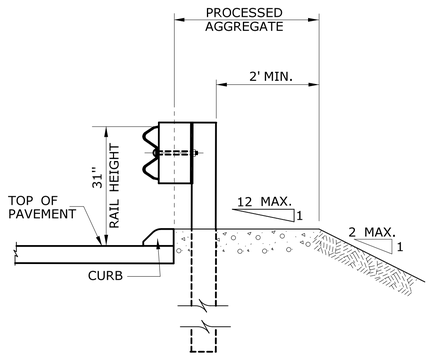
PLAN

GUIDERAIL POSTS IN ROCK



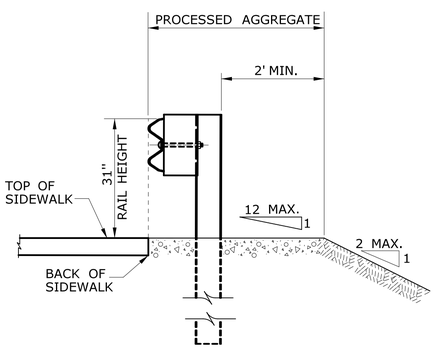
SECTION A -

NO CURB APPLICATION



SECTION A -

CURB APPLICATION



SECTION A -

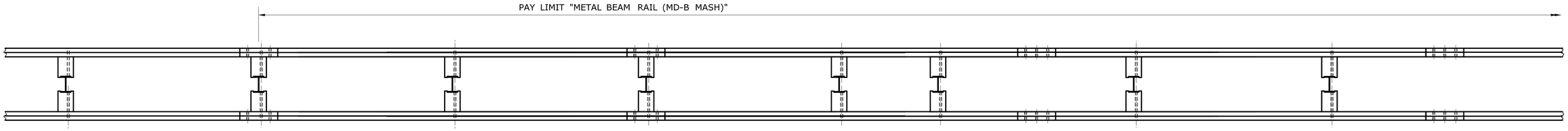
SIDEWALK APPLICATION

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: METAL BEAM RAIL (R-B MASH) GUIDERAIL	STANDARD SHEET NO.: HW-910_21

PLOTTED DATE: 7/1/2020

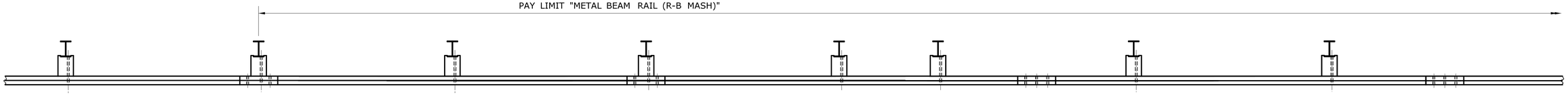
GENERAL NOTES:

1. SEE SHEET HW-910_20 FOR HARDWARE AND W-BEAM DELINEATOR DETAILS.
2. NO POST(S) SHALL BE OMITTED WITHIN THE LENGTH OF GUIDERAIL TRANSITION.



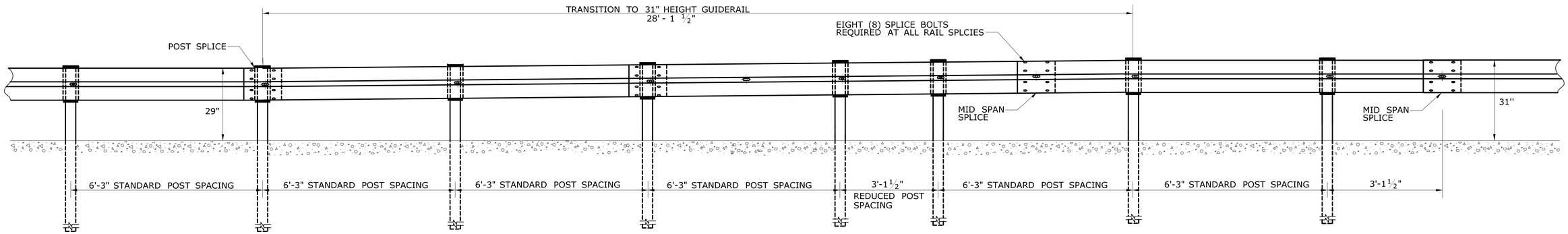
PLAN

METAL BEAM RAIL MD-B 350 TRANSITION TO METAL BEAM RAIL MD-B MASH



PLAN

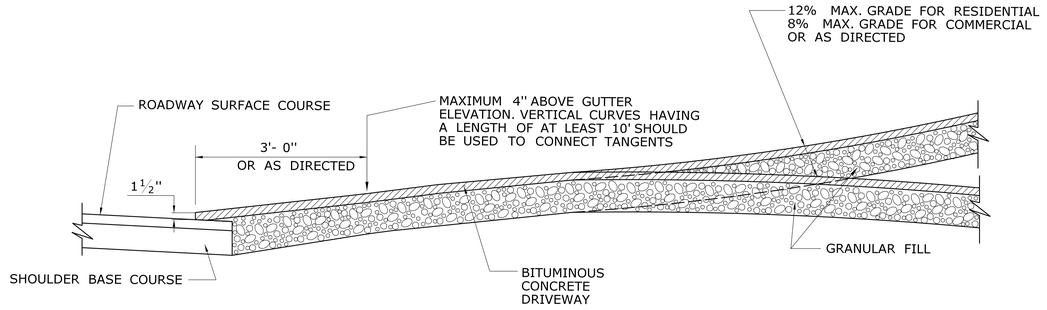
METAL BEAM RAIL R-B 350 TRANSITION TO METAL BEAM RAIL R-B MASH



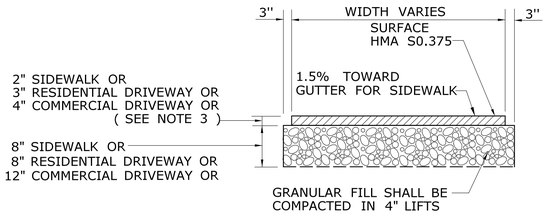
ELEVATION

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: METAL BEAM RAIL TRANSITION 350 TO MASH	STANDARD SHEET NO.: HW-910_25

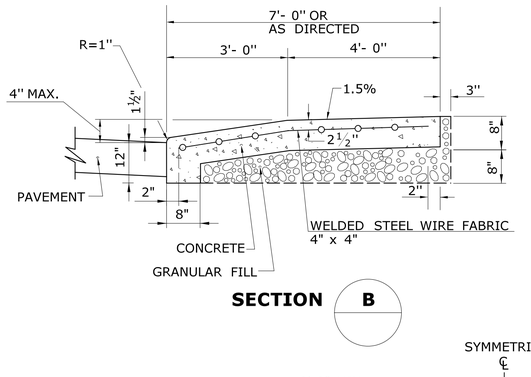
PLOTTED DATE: 7/1/2020



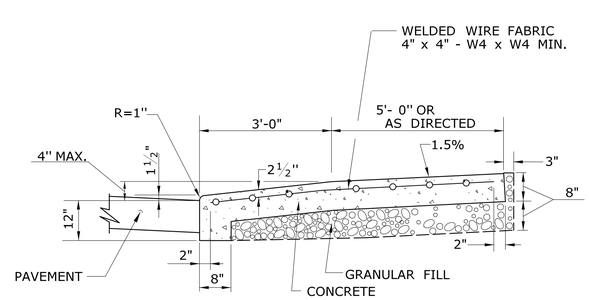
SECTION A



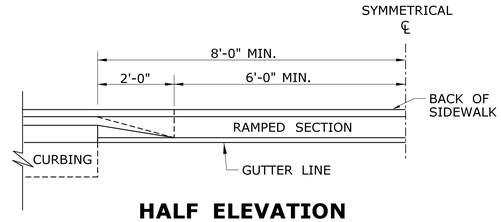
TYPICAL SECTION BITUMINOUS CONCRETE SIDEWALK AND DRIVEWAY



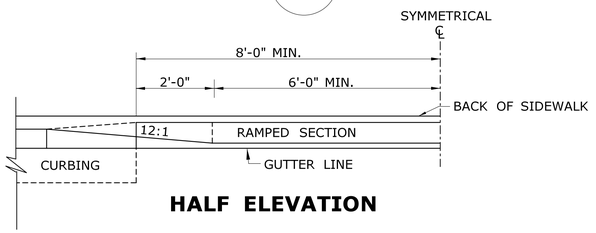
SECTION B



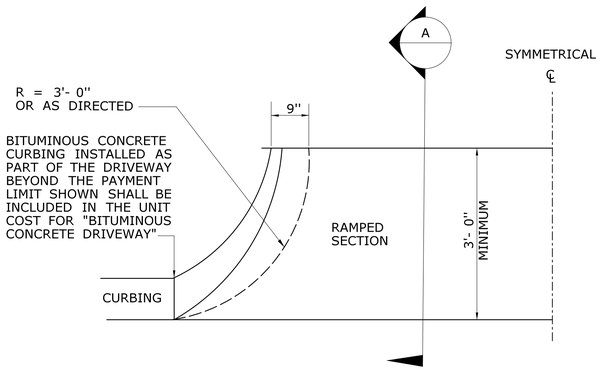
SECTION C



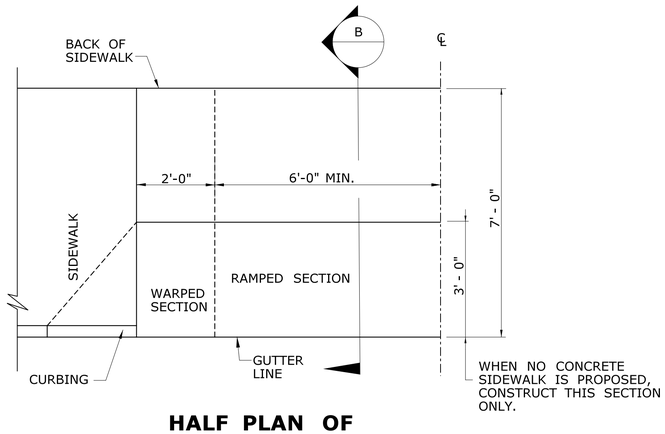
HALF ELEVATION



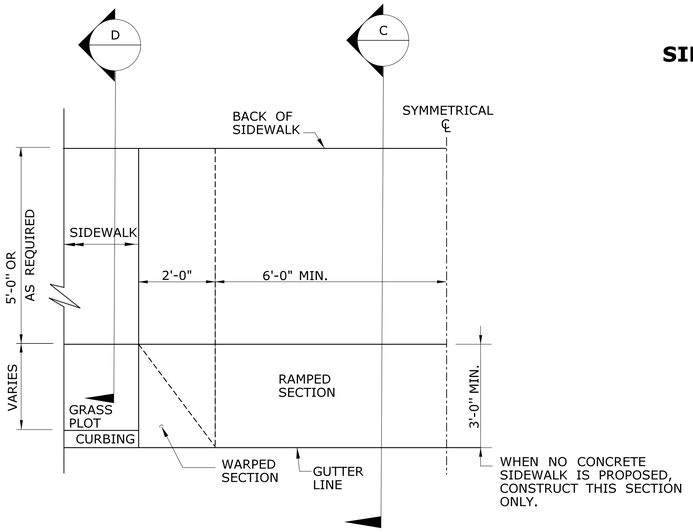
HALF ELEVATION



HALF BITUMINOUS CONCRETE DRIVEWAY PLAN



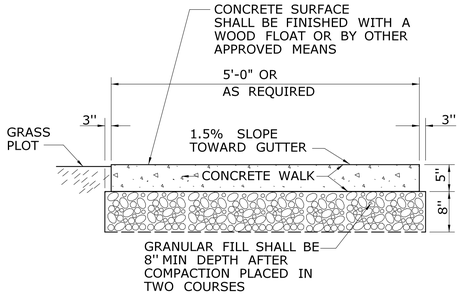
HALF PLAN OF CONCRETE DRIVEWAY RAMP WHERE SIDEWALK ADJOINS CURBING



HALF PLAN OF CONCRETE DRIVEWAY RAMP WHERE CURB IS SEPARATED FROM SIDEWALK BY GRASS PLOT

GENERAL NOTES:

1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



SECTION D

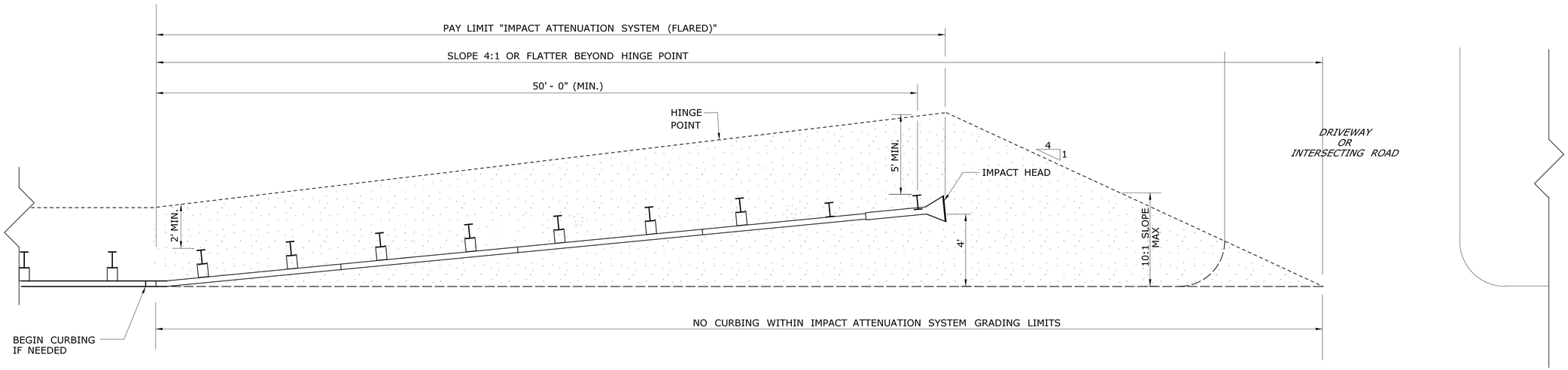
5' WIDE CONCRETE SIDEWALK WITH GRASS PLOT

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: DRIVEWAY RAMPS AND SIDEWALKS	STANDARD SHEET NO.: HW-921_01

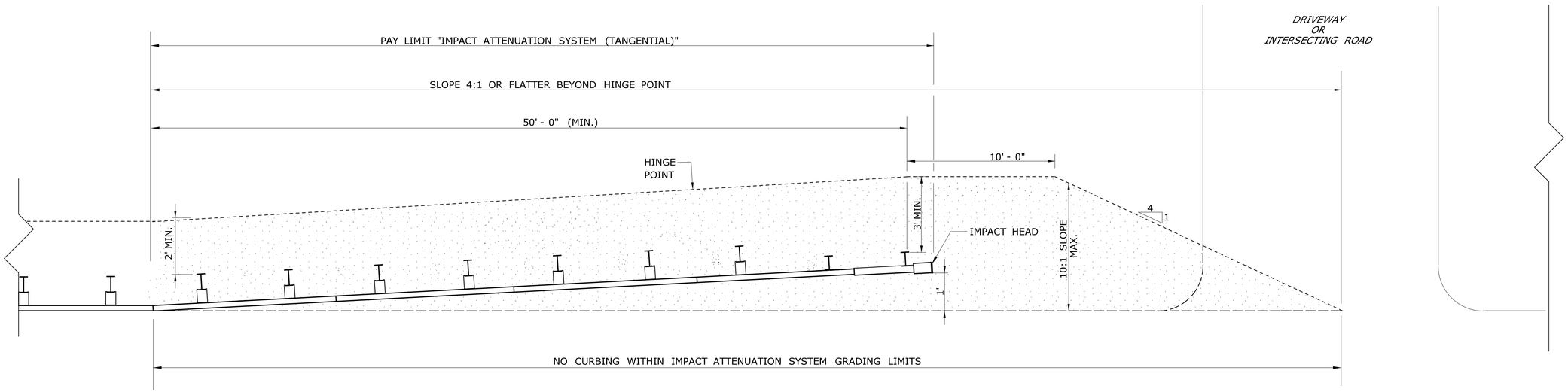
PLOTTED DATE: 7/1/2020

GENERAL NOTE:

1. SEE TR-1205_01 FOR ATTENUATOR REFLECTOR SIGN #50-5032 TO BE INSTALLED ON THE NOSE OF THE IMPACT HEAD. THE HEIGHT AND WIDTH OF THE SHEET VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT HEAD. REFLECTOR SIGN SHALL COVER THE ENTIRE SURFACE AREA OF THE IMPACT HEAD.



GRADING PLAN FOR IMPACT ATTENUATION SYSTEM (FLARED)



GRADING PLAN FOR IMPACT ATTENUATION SYSTEM (TANGENTIAL)

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	STANDARD SHEET NO.: HW-1800_01

PLOTTED DATE: 7/1/2020

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # Simsbury

	SHEET NO.	TITLE	APPROVAL DATE
☐	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
☐	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	4/2012
✓	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	1/2014
☐	TR-1010_01	CONCRETE HANDHOLE	4/2014
☐	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
☐	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
☐	TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
☐	TR-1108_01	CONTROLLERS	5/2013
☐	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
☐	TR-1113_01	CONTROL CABLE	4/2014
✓	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018

	SHEET NO.	TITLE	APPROVAL DATE
✓	TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS	8/2018
☐	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
☐	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
☐	TR-1210_01	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
✓	TR-1210_02	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
☐	TR-1210_03	SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS	OBSOLETE
☐	TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS	8/2018
☐	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
☐	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
✓	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
✓	TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
☐	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
☐	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
☐	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

REV.	DATE	REVISION DESCRIPTION
4	4-2017	REMOVED TR-1210_01 TO TR-1210_03. ADDED TR-1210_04 TO TR-1210_09
3	4-2014	REMOVED TR-1111_02.
2	1-2014	REMOVED TR-1103_01.
1	4-2012	RENUMBERED TR-1107_02 TO TR-1114_01. REMOVED TR-1116_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.

Plotted Date: 8/16/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD_DGN.DGN Model: TR-01-STD_INDEX

SUBMITTED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

TRAFFIC STANDARD SHEET INDEX

STANDARD SHEET NO.:

TR-STD_INDEX

DOCUMENT ALL LOOP DETECTOR VALUES BOTH CALCULATED AND MEASURED.

DEFINITIONS:

LOOP: #14 AWG WIRE IN SAWCUT, TERMINATED IN HANDHOLE, IMSA SPEC 51-7.
LEAD-IN: 14/2 SHIELDED TWISTED PAIR CABLE FROM HANDHOLE TO CONTROLLER, IMSA SPEC 50-2.
LOOP CIRCUIT: LOOP SAWCUT WIRE SPLICED TO 14/2 LEAD-IN CABLE.
AMPLIFIER: ELECTRONIC DEVICE CONNECTED TO LOOP CIRCUIT. SENSES CHANGE IN RESONANT FREQUENCY AND CREATES AN OUTPUT TO THE CONTROLLER.
MEGOHMETER: INSTRUMENT SPECIFICALLY DESIGNED TO TEST THE INSULATION RESISTANCE OF A CIRCUIT. COMMON MANUFACTURERS: AMEC®, AMPROBE®, FLUKE®, MEGGER®.

1: RESISTANCE:

1a: INSULATION RESISTANCE: PERFORM A 600 VOLT (MINIMUM) MEGOHMETER TEST ON LOOP CIRCUIT. THE LOOP AMPLIFIER MUST BE DISCONNECTED FROM THE LOOP CIRCUIT OR THE LOOP AMPLIFIER WILL BE DAMAGED. THE RESISTANCE OF THE LOOP WIRE TO GROUND MUST BE GREATER THAN 100 MEG OHMS.

1b: WIRE RESISTANCE: MEASURE THE DC RESISTANCE OF THE LOOP CIRCUIT. THE LOOP CIRCUIT MUST BE DISCONNECTED FROM THE AMPLIFIER. USING AN OHMMETER CONNECTED ACROSS THE LOOP CIRCUIT, MEASURE THE DC RESISTANCE OF THE CONDUCTORS. THE RESISTANCE SHOULD BE LESS THAN 4 OHMS.

NOTE: ALL TESTS SHALL BE DONE AT THE CONTROLLER ASSEMBLY (CA), HOWEVER IT IS RECOMMENDED TO PERFORM A PRELIMINARY MEGOHMETER TEST AT THE HANDHOLE PRIOR TO SEALING THE SAWCUT AND SPLICING TO THE LEAD-IN. IF A DEFECTIVE LOOP WIRE IS FOUND, IT MAY BE EASILY REPLACED.

2: LOOP CIRCUIT INDUCTANCE:

2a: CALCULATE INDUCTANCE OF LOOP (L_{LOOP}) AND LEAD-IN CABLE ($L_{14/2}$).

LOOP INDUCTANCE (ENGLISH)

$L_{LOOP} = (P/4)(N^2 + N)$

LEAD-IN INDUCTANCE

$L_{14/2} = (0.24\,\mu H/FT)(D)$

LOOP INDUCTANCE (METRIC)

$L_{LOOP} = (3.28P/4)(N^2 + N)$

LEAD-IN INDUCTANCE

$L_{14/2} = (0.78\,\mu H/m)(D)$

WHERE:

L_{LOOP} = INDUCTANCE OF INDIVIDUAL LOOP SEGMENTS IN MICROHENRIES (μH).
$L_{14/2}$ = INDUCTANCE OF LEAD-IN CABLE.
P = PERIMETER OF INDIVIDUAL LOOP SEGMENT, IN FEET OR METERS.
N = NUMBER OF TURNS.
D = LENGTH OF LEAD-IN CABLE FROM SPLICE IN HANDHOLE TO CONTROLLER, IN FEET OR METERS.
$L_T = L_1 + L_2 + L_3$ etc.,
(TOTAL INDUCTANCE OF SEGMENTED LOOP SPLICED IN SERIES.)
$L_T = 1 / [(1 / L_1) + (1 / L_2) + (1 / L_3) + \text{etc.}]$,
(TOTAL INDUCTANCE OF SEGMENTED LOOP SPLICED IN PARALLEL.

WHERE:

L_T = TOTAL INDUCTANCE OF THE SEGMENTED ARRANGEMENT.
L_1, L_2, L_3 = INDUCTANCE OF INDIVIDUAL LOOP SEGMENTS.

EXAMPLE: (IN ENGLISH)

6' x 6', 4 TURNS, APPROXIMATELY 300' FROM THE CONTROLLER

$L_{LOOP} = (24/4)(4^2 + 4)$
$L_{LOOP} = (6)(20)$
$L_{LOOP} = 120\,\mu H$

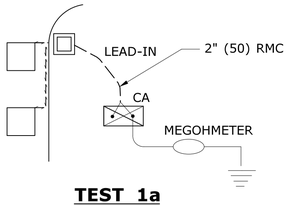
$L_{14/2} = (0.24\,\mu H/FT)(300)$
$L_{14/2} = (0.24)(300)$
$L_{14/2} = 72\,\mu H$

2b: MEASURE INDUCTANCE OF LOOP AND LEAD-IN AT CONTROLLER. USE INSTRUMENT DESIGNED TO MEASURE LOOP CIRCUIT INDUCTANCE.

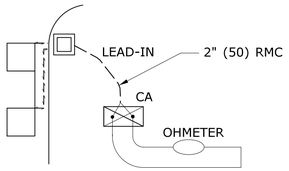
3: POWER INTERRUPTION:

AFTER THE AMPLIFIER HAS TUNED AND IS OPERATING, DISCONNECT POWER BY REMOVING FUSE OR HARNESS CONNECTOR. RETURN POWER TO THE AMPLIFIER AND CONFIRM IT RE-TUNES AUTOMATICALLY WITHOUT ANY MANUAL ADJUSTMENTS.

INDUCTIVE LOOP TEST PROCEDURE



TEST 1a



TEST 1b

PROJECT:
TOWN: LOCATION:

LOOP NUMBER	RESISTANCE OHMS		INDUCTANCE MICROHENRIES (μh)		AMPLIFIER POWER INTERRUPTION
	TO GROUND (1a)	LOOP WIRE (1b)	CALCULATED (2a)	MEASURED (2b)	PASS/FAIL (3)
D1 FRONT					
D1 REAR					
D2A					
D2B					
D4A FRONT					
D4B REAR					
D5					
D6A					
D6B					

LOOP CIRCUIT TEST DATA (EXAMPLE)

PIN	COLOR	FUNCTION
A	WHITE	110 VAC Neutral
B	BROWN	Output Relay Common (moving contact)
C	BLACK	110 VAC (Fused)
D	RED	Loop
E	ORANGE	Loop
F	YELLOW	Output Relay Contact (Closes with moving contact when detecting vehicle)
G	BLUE	Output Relay Contact (Opens with moving contact when detecting vehicle)
H	GREEN	Chassis Ground
J	GREY	110 VAC Delay/Extend Override
Shell		Ground (shall be connected to pin H in the connector)

DETECTOR AMPLIFIER PIN DESIGNATION

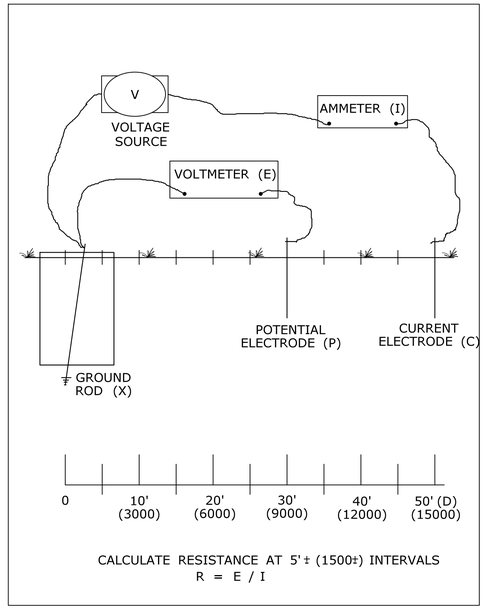
TEST PROCEDURE:

- INSERT ELECTRODE (C) A DISTANCE (D) FROM THE FOUNDATION. RECOMMEND A MINIMUM 50'.
- CONNECT A VOLTAGE SOURCE AND AMMETER BETWEEN THE FOUNDATION GROUND ROD (X) AND C.
- MEASURE THE CURRENT FLOW (I) BETWEEN X AND C.
- INSERT POTENTIAL ELECTRODE (P) AT 5'(1500) INTERVALS IN A STRAIGHT LINE TO ELECTRODE C.
- MEASURE VOLTAGE (E) AT EACH LOCATION OF P.
- CALCULATE RESISTANCE (R) AT EACH LOCATION OF P USING THE FORMULA R=E/I.
- PLOT THE VALUES ON A RxD GROUND RESISTANCE CHART.
- THE ACTUAL GROUND RESISTANCE IS WHERE THE PLOTTED CURVE IS RELATIVELY FLAT, USUALLY AT 62%± OF D. SEE EXAMPLE CHART: CURVE FLATTENS OUT AT 10 OHMS, APPROXIMATELY 30'(9000) FROM FOUNDATION.
- IF GROUND RESISTANCE IS GREATER THAN 10 OHMS, PERFORM CORRECTIVE ACTION AND RE-TEST.

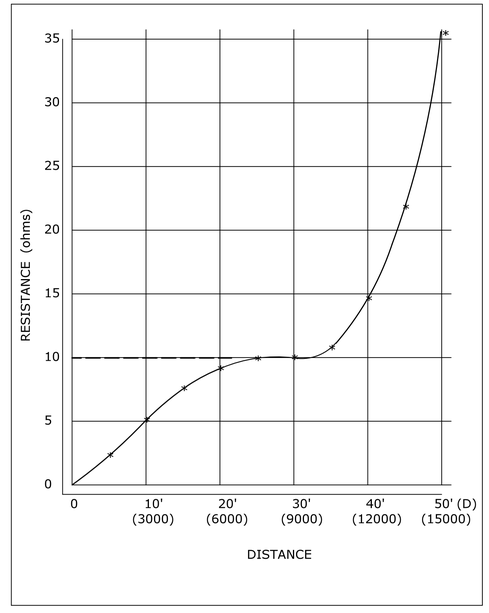
SUGGESTED CORRECTIVE ACTION:

A. INSTALL ADDITIONAL 10'(3000) GROUND ROD(S).
REFER TO NESC SECTION 09, RULE 94.B.2.
DRIVE ADDITIONAL GROUND RODS NO CLOSER TO FOUNDATION THAN 6'(1800). IF MORE THAN ONE IS NEEDED, SPACE MINIMUM 6'(1800) APART.
BONDS TO ADDITIONAL GROUND ROD(S) SHALL BE MADE BY A CLAMP DESIGN FOR DIRECT BURIAL OR BY EXOTHERMIC WELDING TECHNIQUE.
TOP OF ADDITIONAL GROUND ROD(S) SHALL BE 6" (150) BELOW GRADE.

B. IN AREAS OF SHALLOW BEDROCK, INSTALL A GROUND GRID OR ARRAY CONSISTING OF BURIED WIRE, RODS, STRIPS OR PLATES.
REFER TO NESC SECTION 09, RULE 94.B.3.
REFER TO NEC SECTION 250.
MINIMUM DEPTH OF 18" (450).
GRID CONNECTIONS AND BONDS ON GROUND GRID SHALL BE MADE BY CLAMPS DESIGNED FOR DIRECT BURIAL OR BY EXOTHERMIC WELDING TECHNIQUE.



3 POINT GROUND RESISTANCE TEST CIRCUIT



GROUND RESISTANCE CHART (EXAMPLE)

NOTES:
1. WHEN REQUESTED BY THE ENGINEER, MEASURE RESISTANCE-TO-GROUND OF GROUND ROD AT TRAFFIC CONTROL FOUNDATIONS. SEE FALL-OF-POTENTIAL METHOD. IF LESS THAN 10 ohms, INSTALL SUPPLEMENTAL ELECTRODES AS REQUIRED. NEC ARTICLE 250.
2. DURING THE TEST, THE GROUND ROD SHOULD NOT BE BONDED TO ANY RMC IN THE FOUNDATION.
3. THE VOLTAGE SOURCE, VOLTMETER, AMMETER, ELECTRODES P AND C, AND CONNECTING CABLES ARE AVAILABLE AS A SPECIALIZED TEST INSTRUMENT.
4. REFER TO NATIONAL ELECTRICAL SAFETY CODE (NESC) SECTION 09, GROUNDING METHODS FOR ELECTRIC SUPPLY AND COMMUNCATIONS FACILITIES.
5. REFER TO NATIONAL ELECTRICAL CODE (NEC) CHAPTER 2, ARTICLE 250, GROUNDING.

3 POINT FALL-OF-POTENTIAL GROUND RESISTANCE TEST

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- INDUCTIVE LOOP DETECTOR
- SAW CUT
- RIGID METAL CONDUIT
- HANDHOLE

REV.	DATE	REVISION DESCRIPTION
2	1-2014	REVISED GROUND RESISTANCE NOTES.
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: 1/7/2014

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-1000_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

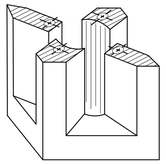
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

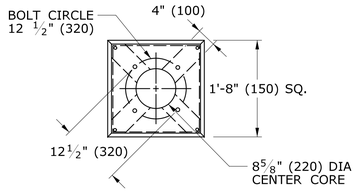
GENERAL CLAUSES (TEST PROCEDURES)

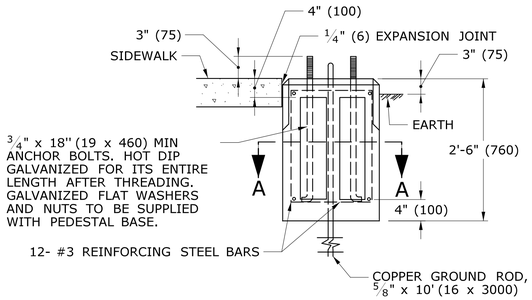
STANDARD SHEET NO.:

TR-1000_01



PICTORIAL
SECTION A-A

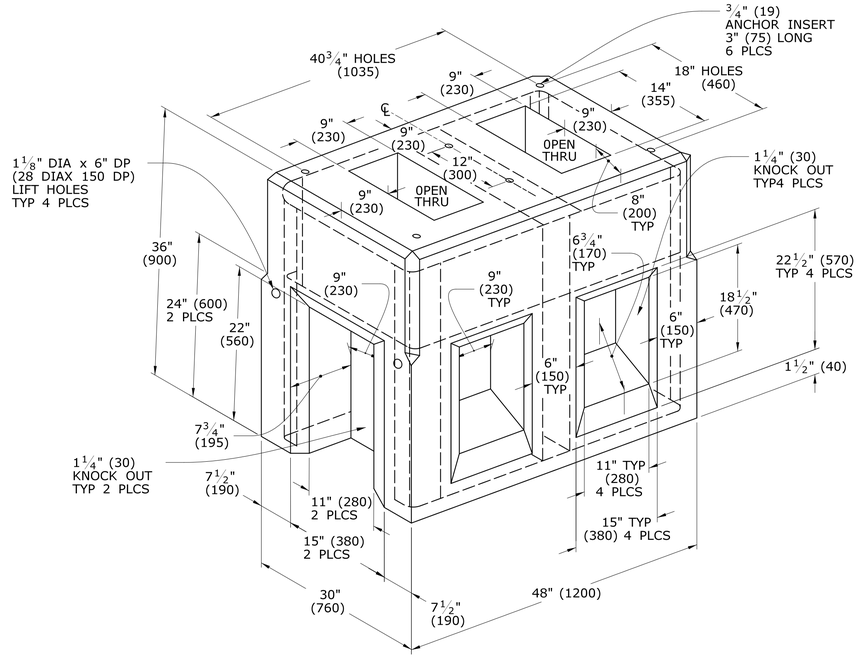




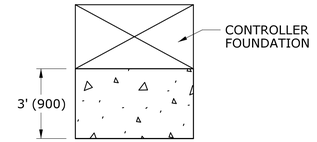
TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST

NOTES:

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



TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - PRECAST

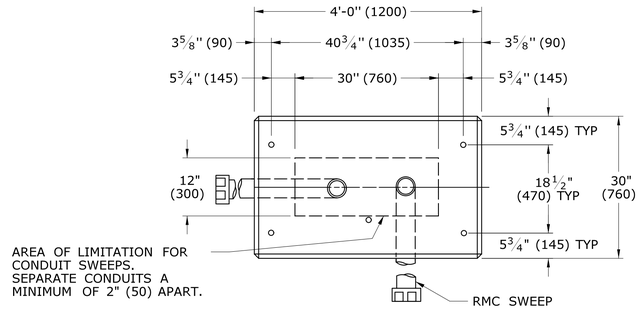


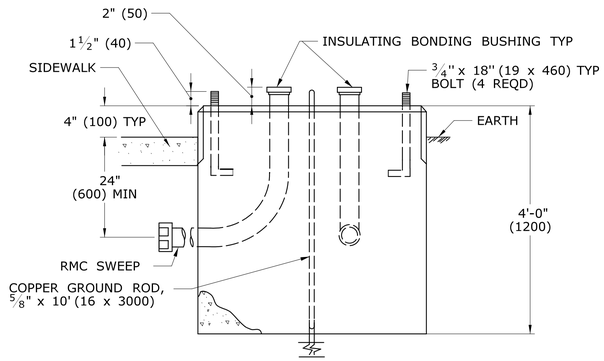
INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET DOOR SIDE OF CONTROLLER FOUNDATION.

PITCH SIDEWALK 1/4" PER FOOT (20 PER METER) AWAY FROM THE CONTROLLER FOUNDATION.

REFER TO HIGHWAY STANDARD SHEET HW-921_01 FOR SIDEWALK CONSTRUCTION.

TYPICAL CONCRETE SIDEWALK
AT CONTROLLER FOUNDATION





TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - CAST IN PLACE

NOTES:

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: 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.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE

REV.	DATE	REVISION DESCRIPTION
2	1-2014	REMOVED SPAN POLE FOUNDATION DETAILS, REVISED TYPICAL CONCRETE SIDEWALK AT CONTROLLER FOUNDATION.
1	4-2012	MINOR REVISIONS.

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Plotted Date: 1/7/2014

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-1002.01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET

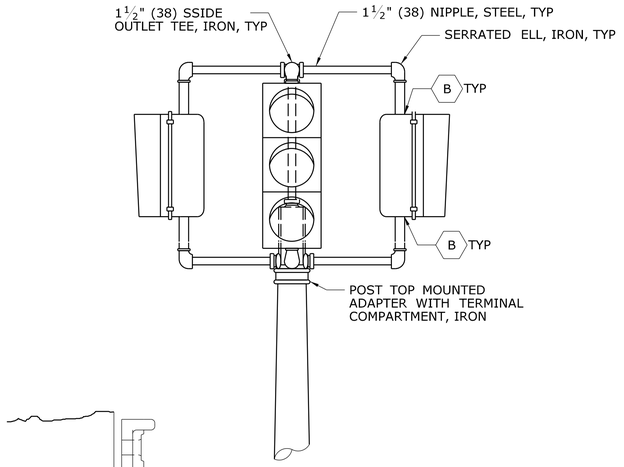
OFFICE OF ENGINEERING

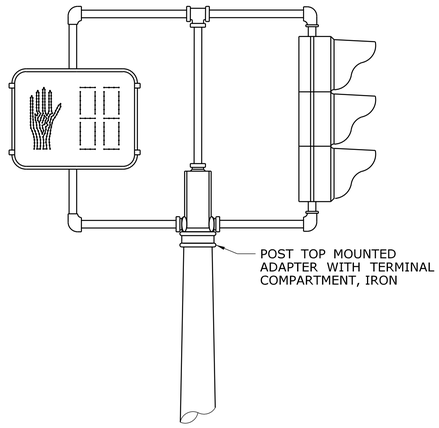
STANDARD SHEET TITLE:

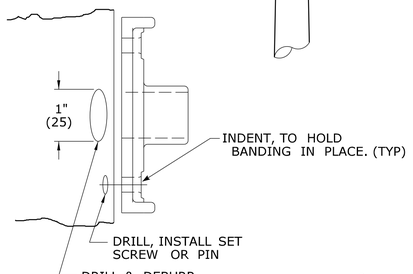
TRAFFIC CONTROL FOUNDATIONS

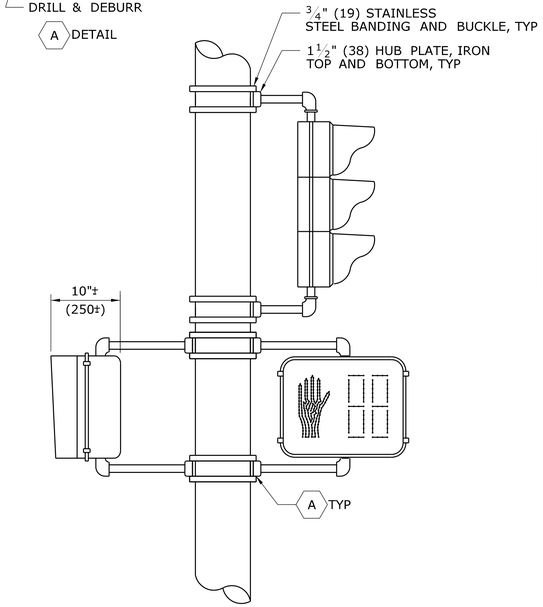
STANDARD SHEET NO.:

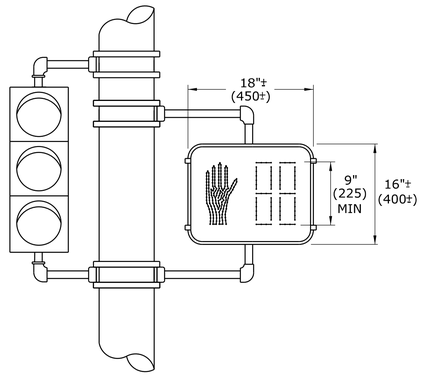
TR-1002_01

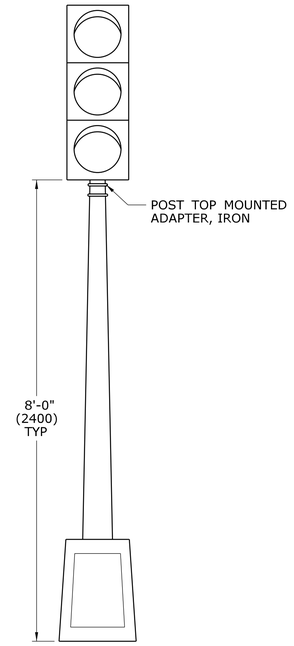




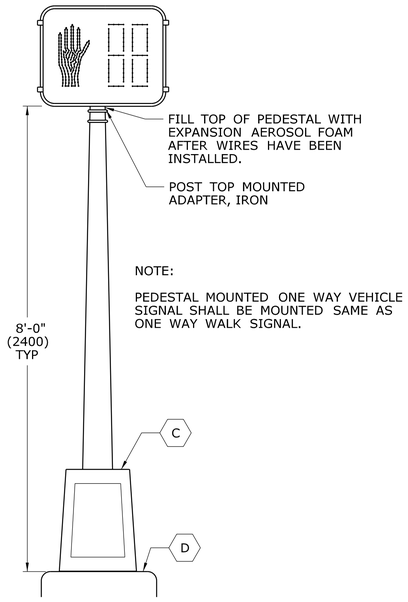








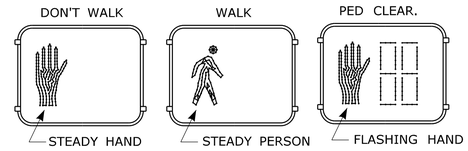
ONE WAY TRAFFIC SIGNAL PEDESTAL MOUNTED



NOTE:

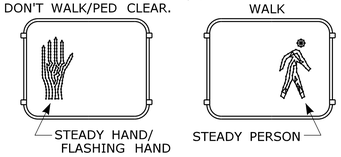
PEDESTAL MOUNTED ONE WAY VEHICLE SIGNAL SHALL BE MOUNTED SAME AS ONE WAY WALK SIGNAL.

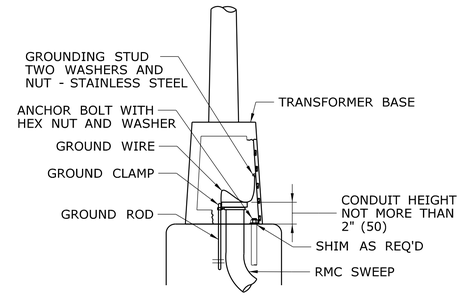
ONE WAY WALK SIGNAL PEDESTAL MOUNTED



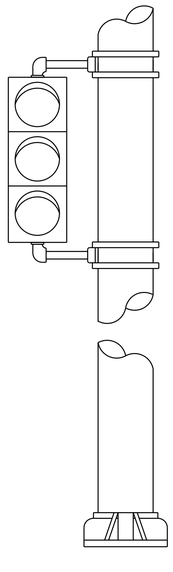
TYPICAL INDICATION WHEN LIT

NON-COUNTDOWN DISPLAY, ONLY WHEN SHOWN ON PLAN.

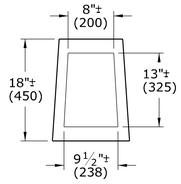




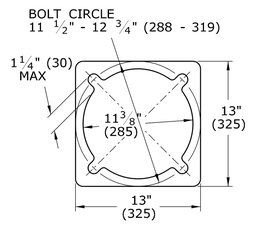
ALUMINUM PEDESTAL INSTALLATION DETAIL



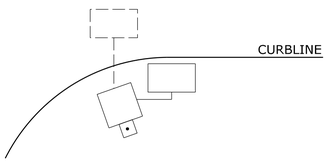
ONE WAY TRAFFIC SIGNAL POLE MOUNTED



ALUMINUM PEDESTAL DOOR OPENING DETAIL



PEDESTAL BASE PLAN



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, WARRANTEED AT 5 YEAR LIFE.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- STEEL SPAN POLE, MAST ARM ASSEMBLY SHAFT
- ALUMINM 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.

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: 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:

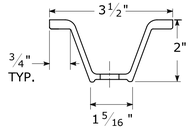
PEDESTALS, PEDESTRIAN SIGNALS

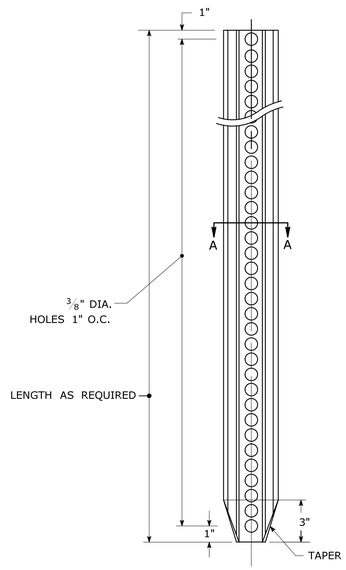
STANDARD SHEET NO.:

TR-1102_01

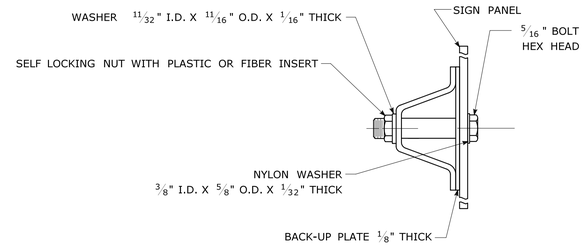
TYPICAL METAL SIGN POSTS

SECTION A-A

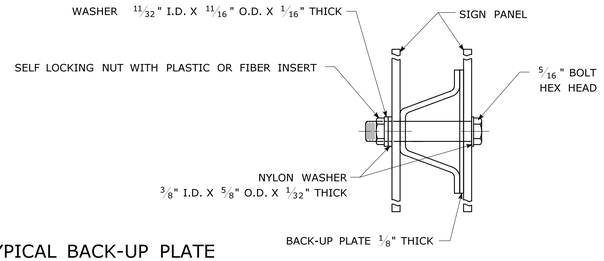




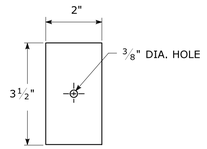
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



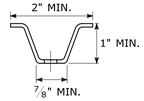
TYPICAL BACK-UP PLATE



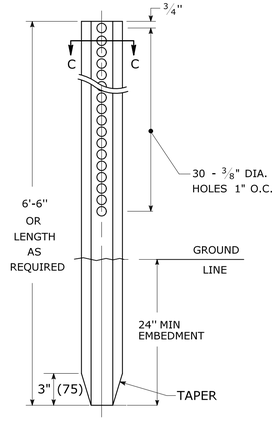
BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

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



SECTION C-C

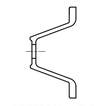


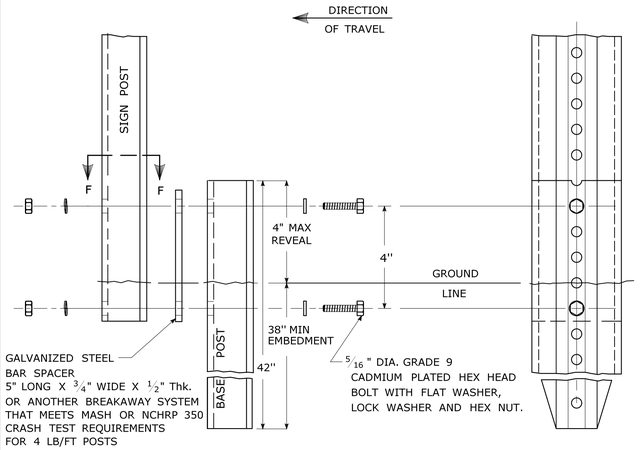
GENERAL NOTES:

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

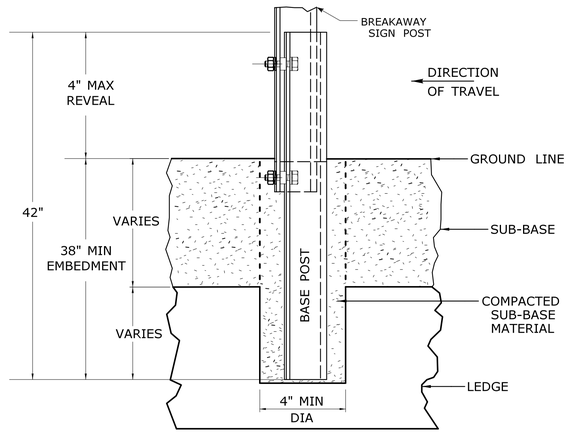




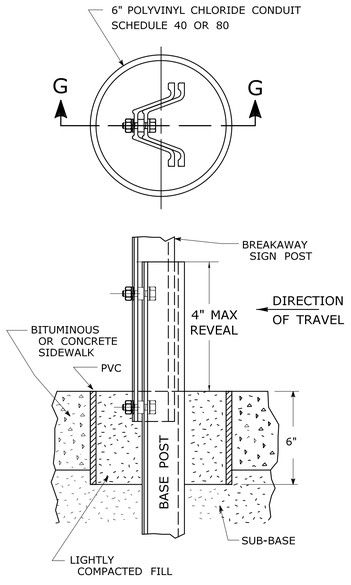
TYPICAL SIGN POST INSTALLATION IN LEDGE

LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".

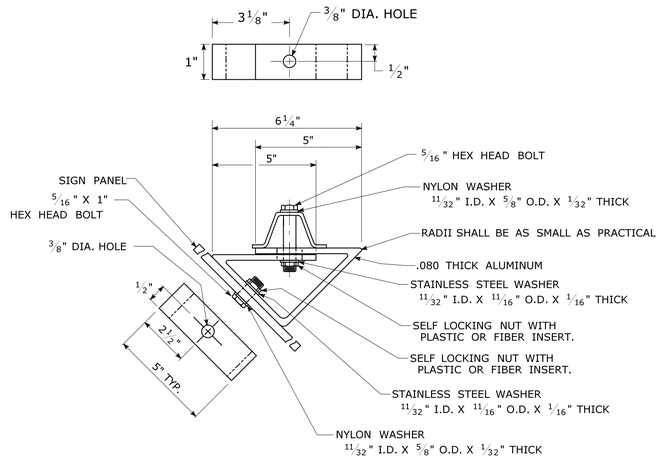
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



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.

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: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1208_02_May_2017_Revision.dgn Model: TR-1208_02

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

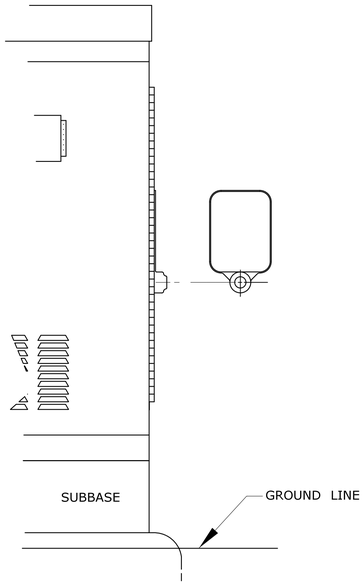
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

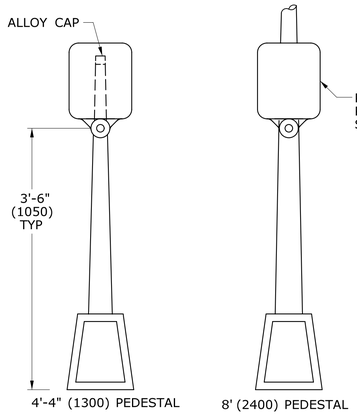
METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

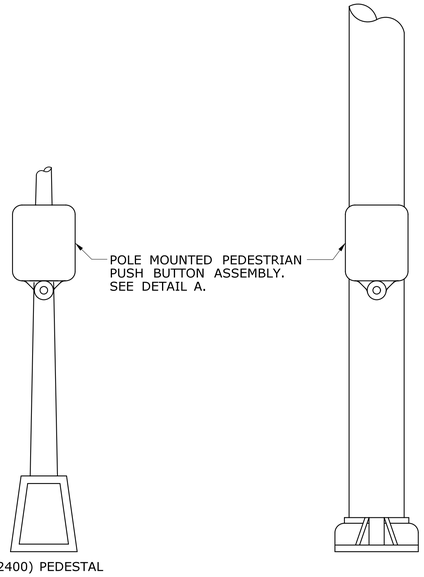
TR-1208_02



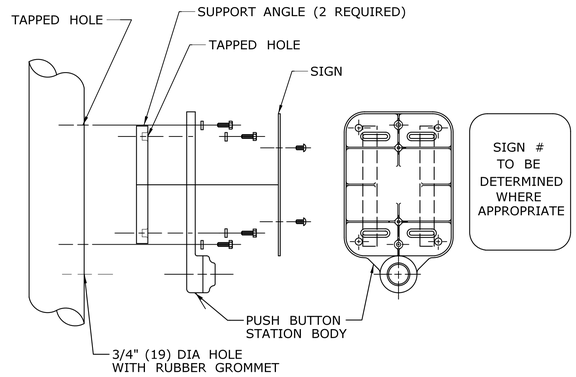
SURFACE MOUNTED



PEDESTAL MOUNTED



SPAN POLE/MAST ARM MOUNTED



DETAIL A

SIGN # 31-0833
USE APPROPRIATE LEFT OR RIGHT ARROW

SIGN # 31-0835

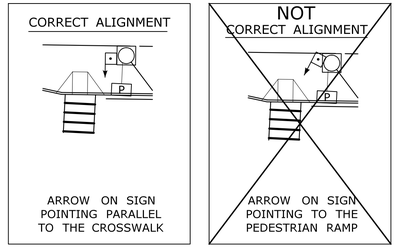
FOR CROSSING WITH SIDE STREET GREEN

GENERAL NOTES:

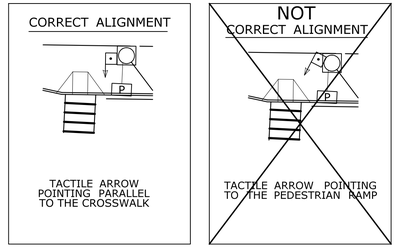
3'-6" (1050) FROM FINISHED GRADE SUCH AS SIDEWALK TO CENTER OF PUSH BUTTON.

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.

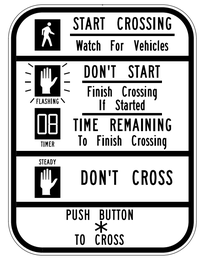


PEDESTRIAN PUSH BUTTON ALIGNMENT



ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR

EXAMPLE ALIGNMENTS FOR EXCLUSIVE PEDESTRIAN PHASE



*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.

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.

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

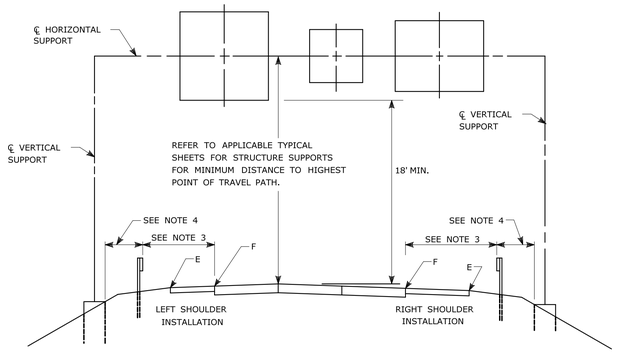
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PEDESTRIAN PUSH BUTTONS

STANDARD SHEET NO.:

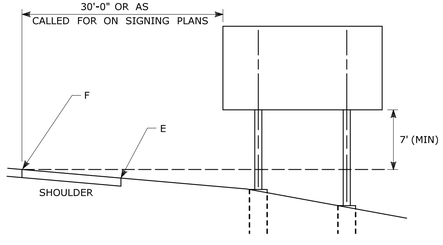
TR-1107_01



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 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.

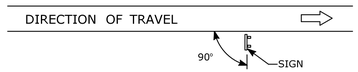


DIAGRAM "A"

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.

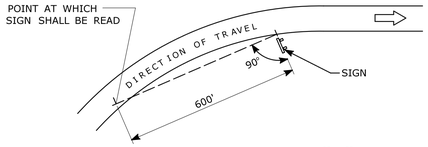
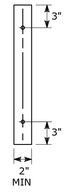


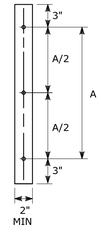
DIAGRAM "B"

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

RETROREFLECTIVE STRIPS 48" LONG OR LESS:



RETROREFLECTIVE STRIPS OVER 48" LONG:

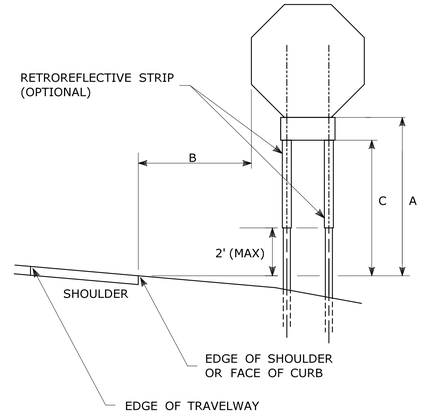


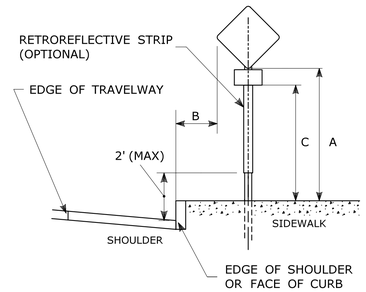
RETROREFLECTIVE STRIP DETAIL

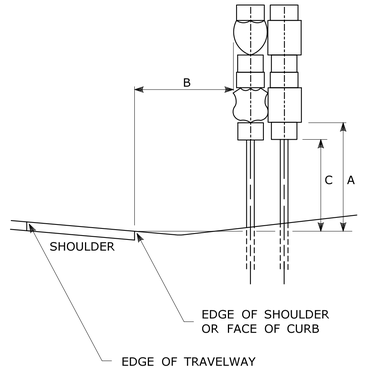
NOTES:

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 RETFOREFLECTIVE 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 RAMPS • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, 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.

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

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR_1208_01_1_2018.dgn Model: TR-1208_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

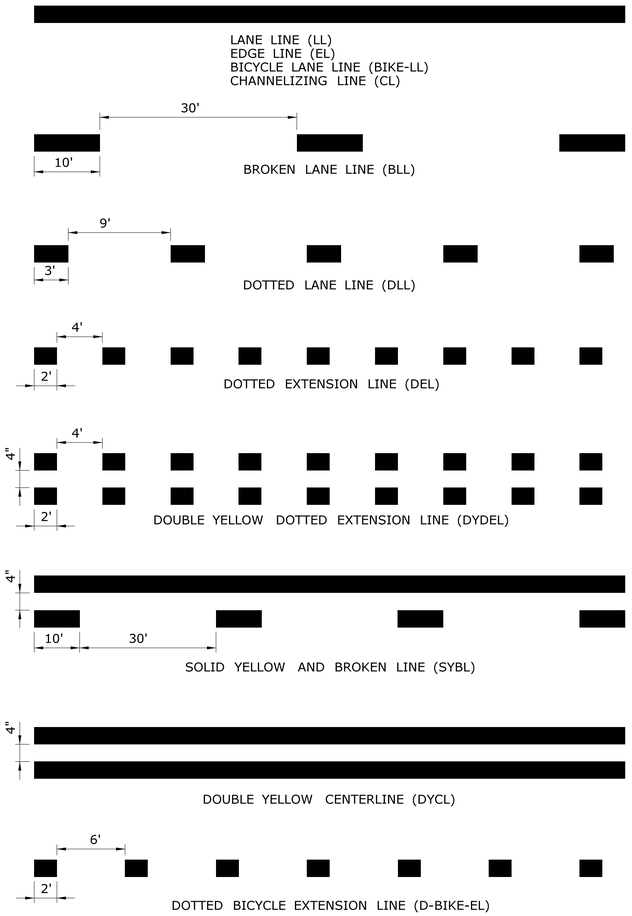
OFFICE OF ENGINEERING

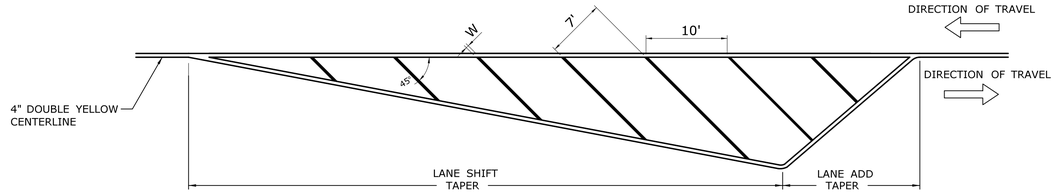
STANDARD SHEET TITLE:

SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

STANDARD SHEET NO.:

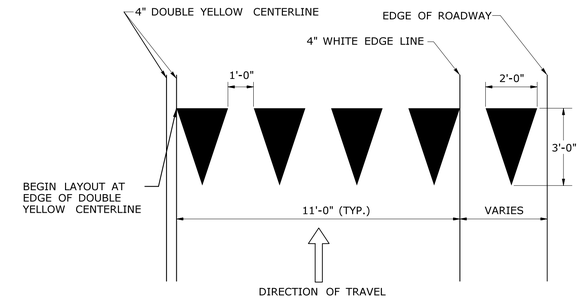
TR-1208_01



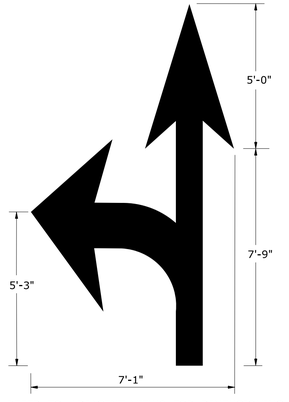


CROSS HATCHED ISLAND DETAIL
(YELLOW)

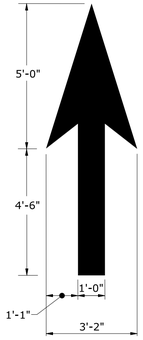
W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS



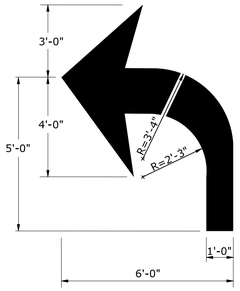
YIELD LINE DETAIL
(WHITE)



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



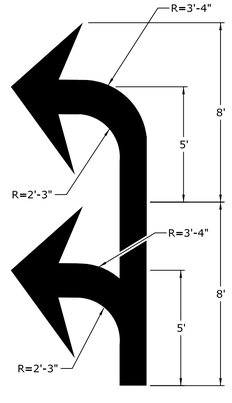
12.5 S.F.



15.5 S.F.

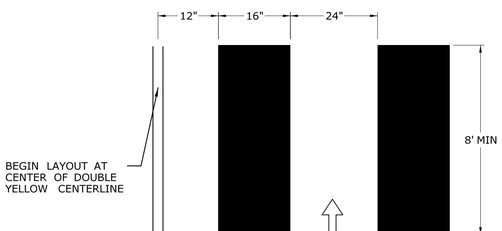
27.0 S.F.
LEFT & RIGHT
ARROW COMBO

38.5 S.F.
3 WAY ARROW
COMBO



35 S.F.
DOUBLE LEFT
ARROW

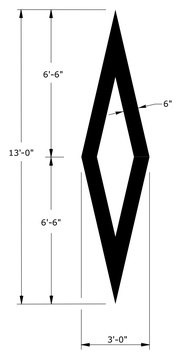
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



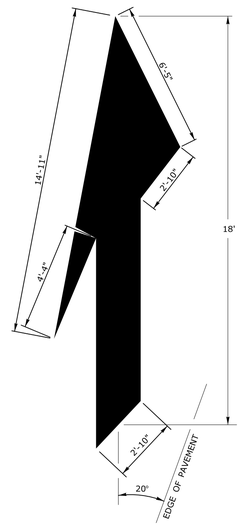
CROSSWALK DETAIL
(WHITE)

NOTES :

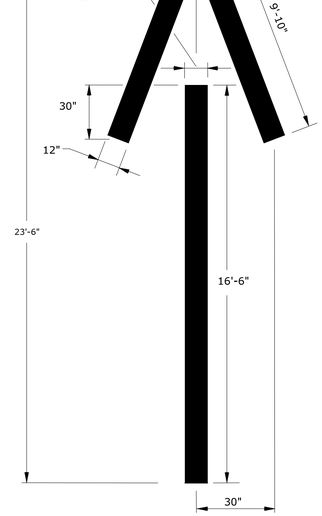
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.



WHITE PREFERENTIAL
LANE SYMBOL
13.0 S.F.



WHITE LANE
REDUCTION ARROW
41.8 S.F.



WHITE WRONG WAY
PAVEMENT ARROW
36.2 S.F.

REV.	DATE	REVISION DESCRIPTION
1	8-2018	REMOVED ROUNDABOUT MARKINGS.

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: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_04.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PAVEMENT MARKING LINES AND SYMBOLS

STANDARD SHEET NO.:

TR-1210_04

E5 - SERIES

E5-1

COPY & BORDER - WHITE
BACKGROUND - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	51-6147	2

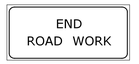
16 - SERIES

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-S	10.0	48X30	80-1619	2

G20 - SERIES

G20-2a



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
8.0	48X24	80-9612	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9711	1
16.0	48	80-9712	2

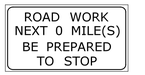
VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
7.0	72X14	80-9720	

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	50-5934	2

G20-2a



VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
90.0	120X108	80-9728	

M4 - SERIES

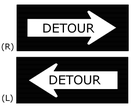
M4-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9707	1

M4-8a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	24X18	80-9708	1

M4-10



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.0	48X18	80-9701R	2
6.0	48X18	80-9702L	2

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	30X24	80-9710	1

M4-9b

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	30X24	80-9703	1

M4-9b

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.25	30X30	80-9706	1

R4 - SERIES

R4-7

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	24X30	80-1526	1

R4-9

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	24X30	80-1517	1
12.0	36X48	80-1518	1
20.0	48X60	80-1519	2

R1 - SERIES

R1-1

COPY & BORDER - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.19	30	31-0552	1
13.30	48	31-0557	2

R1-2

COPY & BORDER - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.90	36	31-0523	1
10.83	60	31-0528	2

R9 & R11 - SERIES

R9-9

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.75	30X18	80-9076	1

R9-11

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	24X18	80-9074	1

R9-11a

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9075	1

R11-2

COPY & BORDER - BLACK
BACKGROUND - WHITE

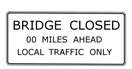
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.0	48X30	80-9080	2

R11-3a

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9077	2

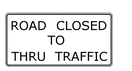
R11-3b



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

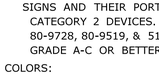
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9078	2

R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

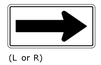
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
14.0	48X42	31-1906	2
22.5	60X54	31-1907	2

W1 - SERIES

W1-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9432L	1
9.0	36	80-9431R	1
16.0	48	80-9452L	2
16.0	48	80-9451R	2

W1-6

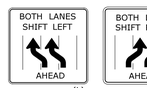


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
8.0	48X24	80-9424	2
12.5	60X30	80-9423	2

W1-8

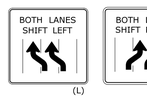
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	18X24	80-9401	1
5.0	24X30	80-9403	1
7.5	30X36	80-9404	1

W1-4



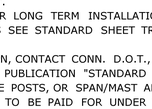
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9433L	2
16.0	48	80-9435R	2

W1-4



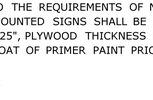
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9434L	2
16.0	48	80-9436R	2

W1-6



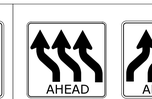
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9443L	2
25.0	60	80-9445R	2

W1-4b



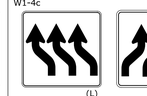
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9444L	2
25.0	60	80-9446R	2

W1-4c



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9483L	2
25.0	60	80-9485R	2

W1-4c



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9484L	2
25.0	60	80-9486R	2

W3 - SERIES

W3-1

OCTAGON - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

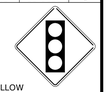
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9050	1
16.0	48	80-9051	2

W3-2

TRIANGLE - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9054	1
16.0	48	80-9055	2

W3-3

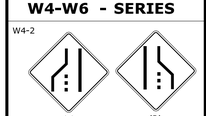


TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9052	1
16.0	48	80-9053	2

W4-W6 - SERIES

W4-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9918L	2
16.0	48	80-9917R	2

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9945	2

W8-W9 - SERIES

W8-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9901	1
16.0	48	80-9902	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9801	1
16.0	48	80-9802	2

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9910L	2
16.0	48	80-9911R	2

W13 - SERIES

W13-1

SUBPLATE
VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
4.0	24	80-9569	1
6.25	30	80-9567	1

VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9506	1
16.0	48	80-9508	2

W3-5

VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9520	1
16.0	48	80-9521	2

W16 - SERIES

W16-15P

COPY & BORDER - BLACK
BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9049	

W20 - SERIES

W20-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.25	30	80-9602	1
9.0	36	80-9603	1
16.0	48	80-9604	2

W20-1

VARIABLE DISTANCE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9614	1
16.0	48	80-9615	2

W20-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9805	1
16.0	48	80-9806	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9834	1
16.0	48	80-9835	2

W20-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9836	2
(R) 16.0	48	80-9839	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9837	2
(R) 16.0	48	80-9838	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9847	2
(R) 16.0	48	80-9848	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9846	2
(R) 16.0	48	80-9849	2

W20-7a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9803	1
16.0	48	80-9804	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
32.0	96X48	80-9815	2

W16-9P

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9870	
3.75	30X18	80-9871	

W16-3aP

VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.5	30X12	80-9872	
4.5	36X18	80-9873	

W21 - SERIES

W21-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9607	1

W22 - SERIES

W22-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9620	1
16.0	48	80-9625	2

W22-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.5	42X36	80-9623	2

W22-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.5	42X36	80-9621	2

(VARIABLE LEGEND)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
4.17	60X10	80-9913	2
12.0	96X18	80-9914	2
3.33	48X10	80-9916	2

BLANK OR
VARIABLE LEGEND

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9933	1
16.0	48	80-9934	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9956	2

(VARIABLE LEGEND)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9928	2
24.0	72X48	80-9929	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

STOP-SLOW PADDLE

SIDE A
BACKGROUND - RED
COPY & BORDER - WHITE
SIDE B
BACKGROUND - ORANGE
COPY & BORDER - BLACK PLAIN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.25	18	80-9950	PADDLE

NOTES:
1. R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
3. POSTS SHALL BE 4 LBS./FT.
4. ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
5. FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
6. FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
7. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
8. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-1605, 80-9914, 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125", PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:
BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION
6	8-2018	REVISED POST REQUIREMENTS AND SHEETING TYPE.
5	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
4	6-2012	REVISED NOTE #1 TO REFERENCE "O.S.T.A."
3	4-2012	REVISED NEW SIGNAL SIGN(S) TO CONFORM TO 2009 MUTCD.
2	2-2011	MINOR REVISIONS.
1	3-2010	REMOVED OBSOLETE SIGNS (50-5925, 50-5935).

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: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1220_01_1_2018.dgn Model: TR-1220_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

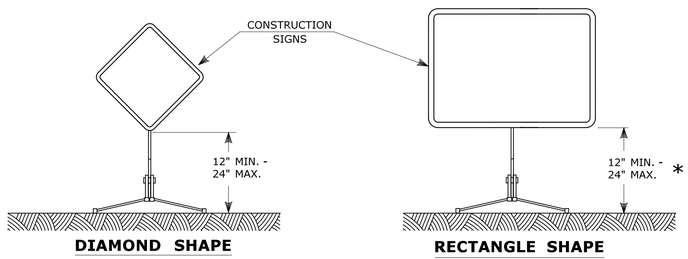
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:

TR-1220_01

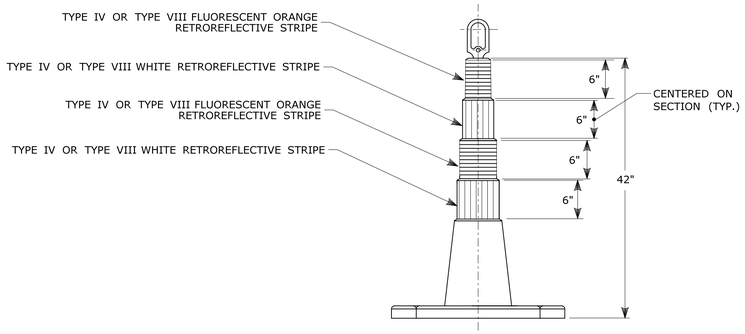


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. 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.
2. 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.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. 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.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

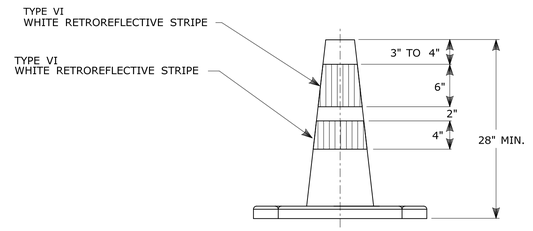
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

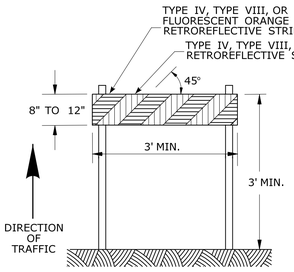
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



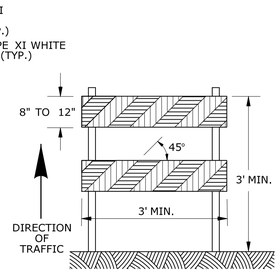
TRAFFIC CONE

NOTES:

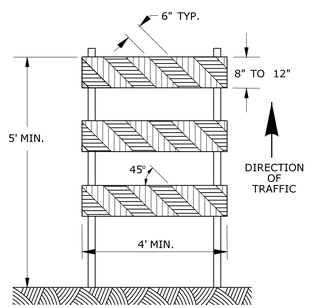
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
7. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TYPE I BARRICADE



TYPE II BARRICADE

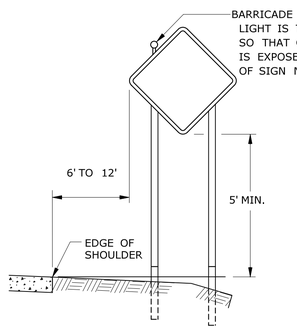


TYPE III BARRICADE

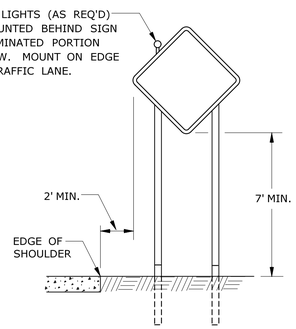
CONSTRUCTION BARRICADES

NOTES:

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.



RURAL AREA



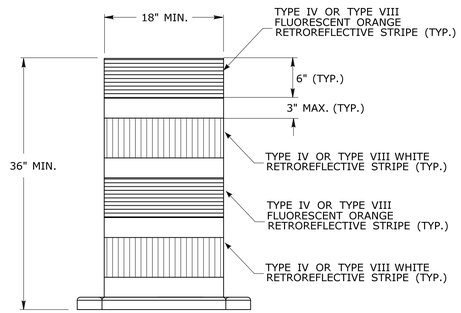
URBAN AREA

PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

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."



TRAFFIC DRUM FRONT VIEW

NOTES:

1. 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.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

REV.	DATE	REVISION DESCRIPTION
3	8-2018	UPDATED SHEETING TYPE AND COLOR.
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1220_02_3_2018.dgn Model: TR-1220_02

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

STANDARD SHEET NO.:

TR-1220_02