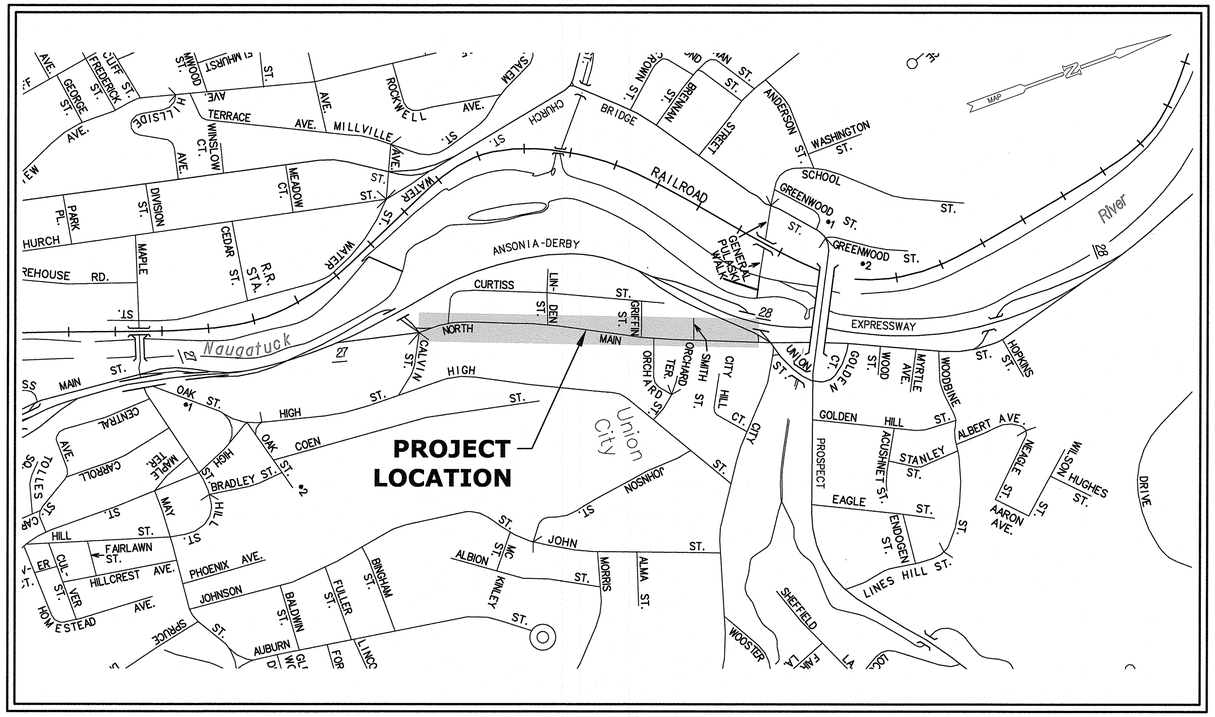
NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

LOTCIP PROJECT NO. L087-0002
TO BE MAINTAINED BY THE BOROUGH OF NAUGATUCK
MMI PROJECT NO. 2129-34

CONSTRUCTION DOCUMENTS
JUNE 22, 2018



PROJECT SITE VICINITY MAP:

0' 250' 500'
0 1/2" 1"
SCALE 1" = 500'

NORTH MAIN STREET
ROADWAY CLASSIFICATION: URBAN MINOR ARTERIAL
PROJECT LENGTH: 2650± LF
BEGIN STATION: 09+60±
ENDING STATION: 35+50±

LIST OF DRAWINGS

NO.	TITLE
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34-71	CROSS SECTIONS
	CTDOT HIGHWAY STANDARDS INDEX SHEET
	CTDOT TRAFFIC STANDARDS INDEX SHEET

811
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PREPARED FOR:

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

DESIGNED BY:
MILONE & MACBROOM™
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
miloneandmacbroom.com

MICHAEL J. JOYCE, P.E.
CONN. PROFESSIONAL REG. NO. 21459
DATE: 7/17/18

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

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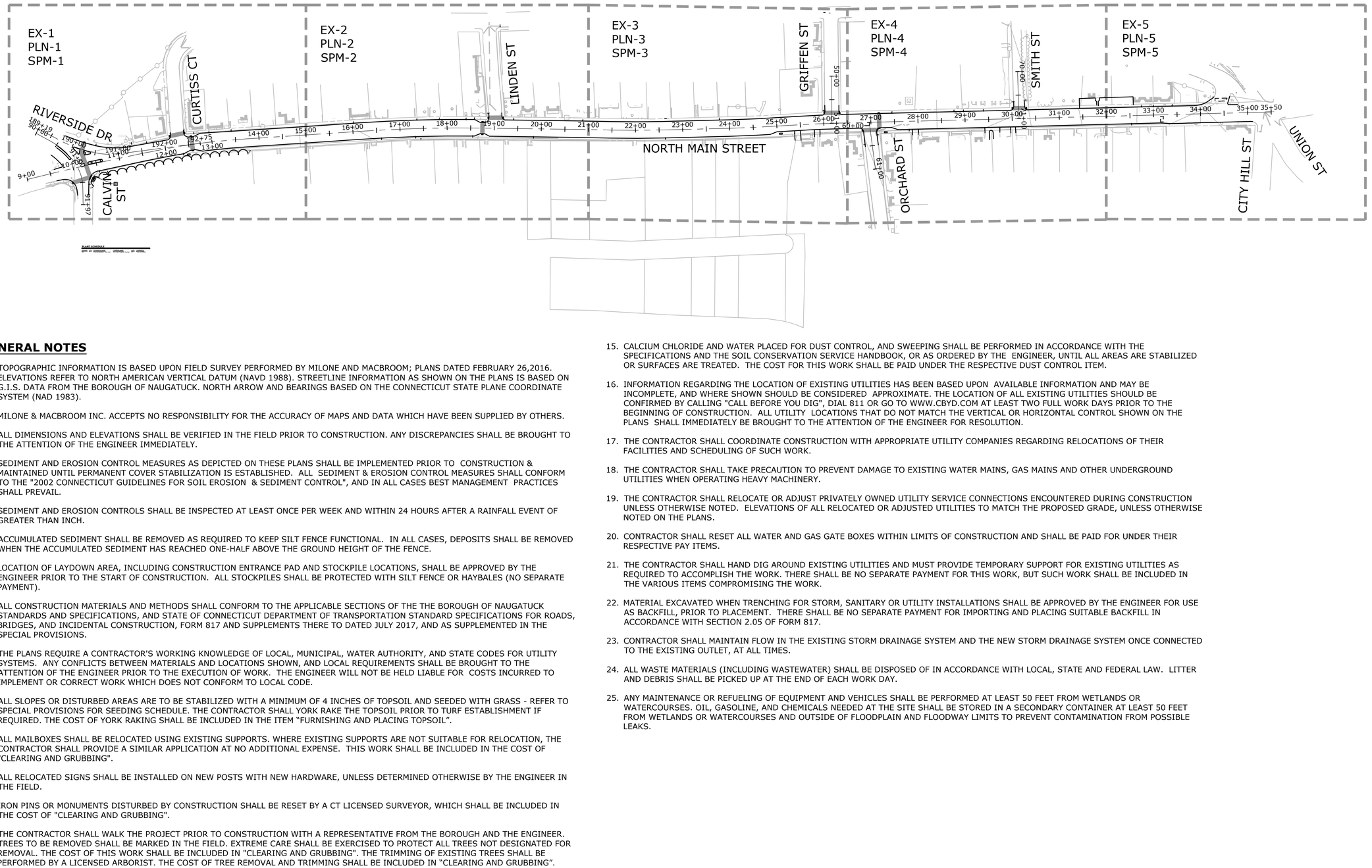

GENERAL NOTES

1. TOPOGRAPHIC INFORMATION IS BASED UPON FIELD SURVEY PERFORMED BY MILONE AND MACBROOM; PLANS DATED FEBRUARY 26,2016. ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 1988). STREETLINE INFORMATION AS SHOWN ON THE PLANS IS BASED ON G.I.S. DATA FROM THE BOROUGH OF NAUGATUCK. NORTH ARROW AND BEARINGS BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (NAD 1983).

2. MILONE & MACBROOM INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.

3. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

4. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION & MAINTAINED UNTIL PERMANENT COVER STABILIZATION IS ESTABLISHED. ALL SEDIMENT & EROSION CONTROL MEASURES SHALL CONFORM TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL", AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

5. SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF GREATER THAN INCH.

6. ACCUMULATED SEDIMENT SHALL BE REMOVED AS REQUIRED TO KEEP SILT FENCE FUNCTIONAL. IN ALL CASES, DEPOSITS SHALL BE REMOVED WHEN THE ACCUMULATED SEDIMENT HAS REACHED ONE-HALF ABOVE THE GROUND HEIGHT OF THE FENCE.

7. LOCATION OF LAYDOWN AREA, INCLUDING CONSTRUCTION ENTRANCE PAD AND STOCKPILE LOCATIONS, SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION. ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCE OR HAYBALES (NO SEPARATE PAYMENT).

8. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE THE BOROUGH OF NAUGATUCK STANDARDS AND SPECIFICATIONS, AND STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 817 AND SUPPLEMENTS THERE TO DATED JULY 2017, AND AS SUPPLEMENTED IN THE SPECIAL PROVISIONS.

9. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.

10. ALL SLOPES OR DISTURBED AREAS ARE TO BE STABILIZED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND SEEDED WITH GRASS - REFER TO SPECIAL PROVISIONS FOR SEEDING SCHEDULE. THE CONTRACTOR SHALL YORK RAKE THE TOPSOIL PRIOR TO TURF ESTABLISHMENT IF REQUIRED. THE COST OF YORK RAKING SHALL BE INCLUDED IN THE ITEM “FURNISHING AND PLACING TOPSOIL”.

11. ALL MAILBOXES SHALL BE RELOCATED USING EXISTING SUPPORTS. WHERE EXISTING SUPPORTS ARE NOT SUITABLE FOR RELOCATION, THE CONTRACTOR SHALL PROVIDE A SIMILAR APPLICATION AT NO ADDITIONAL EXPENSE. THIS WORK SHALL BE INCLUDED IN THE COST OF "CLEARING AND GRUBBING".

12. ALL RELOCATED SIGNS SHALL BE INSTALLED ON NEW POSTS WITH NEW HARDWARE, UNLESS DETERMINED OTHERWISE BY THE ENGINEER IN THE FIELD.

13. IRON PINS OR MONUMENTS DISTURBED BY CONSTRUCTION SHALL BE RESET BY A CT LICENSED SURVEYOR, WHICH SHALL BE INCLUDED IN THE COST OF "CLEARING AND GRUBBING".

14. THE CONTRACTOR SHALL WALK THE PROJECT PRIOR TO CONSTRUCTION WITH A REPRESENTATIVE FROM THE BOROUGH AND THE ENGINEER. TREES TO BE REMOVED SHALL BE MARKED IN THE FIELD. EXTREME CARE SHALL BE EXERCISED TO PROTECT ALL TREES NOT DESIGNATED FOR REMOVAL. THE COST OF THIS WORK SHALL BE INCLUDED IN "CLEARING AND GRUBBING". THE TRIMMING OF EXISTING TREES SHALL BE PERFORMED BY A LICENSED ARBORIST. THE COST OF TREE REMOVAL AND TRIMMING SHALL BE INCLUDED IN “CLEARING AND GRUBBING”.

15. CALCIUM CHLORIDE AND WATER PLACED FOR DUST CONTROL, AND SWEEPING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE SOIL CONSERVATION SERVICE HANDBOOK, OR AS ORDERED BY THE ENGINEER, UNTIL ALL AREAS ARE STABILIZED OR SURFACES ARE TREATED. THE COST FOR THIS WORK SHALL BE PAID UNDER THE RESPECTIVE DUST CONTROL ITEM.

16. 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 BY CALLING "CALL BEFORE YOU DIG", DIAL 811 OR GO TO WWW.CBYD.COM AT LEAST TWO FULL WORK DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. 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.

17. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH APPROPRIATE UTILITY COMPANIES REGARDING RELOCATIONS OF THEIR FACILITIES AND SCHEDULING OF SUCH WORK.

18. THE CONTRACTOR SHALL TAKE PRECAUTION TO PREVENT DAMAGE TO EXISTING WATER MAINS, GAS MAINS AND OTHER UNDERGROUND UTILITIES WHEN OPERATING HEAVY MACHINERY.

19. THE CONTRACTOR SHALL RELOCATE OR ADJUST PRIVATELY OWNED UTILITY SERVICE CONNECTIONS ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE NOTED. ELEVATIONS OF ALL RELOCATED OR ADJUSTED UTILITIES TO MATCH THE PROPOSED GRADE, UNLESS OTHERWISE NOTED ON THE PLANS.

20. CONTRACTOR SHALL RESET ALL WATER AND GAS GATE BOXES WITHIN LIMITS OF CONSTRUCTION AND SHALL BE PAID FOR UNDER THEIR RESPECTIVE PAY ITEMS.

21. THE CONTRACTOR SHALL HAND DIG AROUND EXISTING UTILITIES AND MUST PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITIES AS REQUIRED TO ACCOMPLISH THE WORK. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK, BUT SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS COMPROMISING THE WORK.

22. MATERIAL EXCAVATED WHEN TRENCHING FOR STORM, SANITARY OR UTILITY INSTALLATIONS SHALL BE APPROVED BY THE ENGINEER FOR USE AS BACKFILL, PRIOR TO PLACEMENT. THERE SHALL BE NO SEPARATE PAYMENT FOR IMPORTING AND PLACING SUITABLE BACKFILL IN ACCORDANCE WITH SECTION 2.05 OF FORM 817.

23. CONTRACTOR SHALL MAINTAIN FLOW IN THE EXISTING STORM DRAINAGE SYSTEM AND THE NEW STORM DRAINAGE SYSTEM ONCE CONNECTED TO THE EXISTING OUTLET, AT ALL TIMES.

24. ALL WASTE MATERIALS (INCLUDING WASTEWATER) SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAW. LITTER AND DEBRIS SHALL BE PICKED UP AT THE END OF EACH WORK DAY.

25. ANY MAINTENANCE OR REFUELING OF EQUIPMENT AND VEHICLES SHALL BE PERFORMED AT LEAST 50 FEET FROM WETLANDS OR WATERCOURSES. OIL, GASOLINE, AND CHEMICALS NEEDED AT THE SITE SHALL BE STORED IN A SECONDARY CONTAINER AT LEAST 50 FEET FROM WETLANDS OR WATERCOURSES AND OUTSIDE OF FLOODPLAIN AND FLOODWAY LIMITS TO PREVENT CONTAMINATION FROM POSSIBLE LEAKS.

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99 Realty Drive
Cheshire, Connecticut 06410
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DESCRIPTION	DATE	BY

ROADWAY PROFILES
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	---
DESIGNED	DRAWN	CHECKED

SCALE	1"=100'
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
DRAWING NO.	IN-1
SHEET NO.	02

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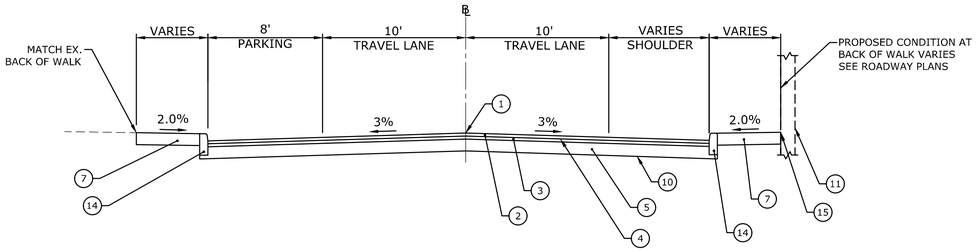
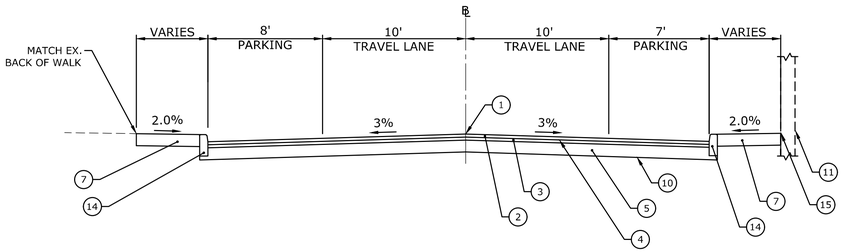
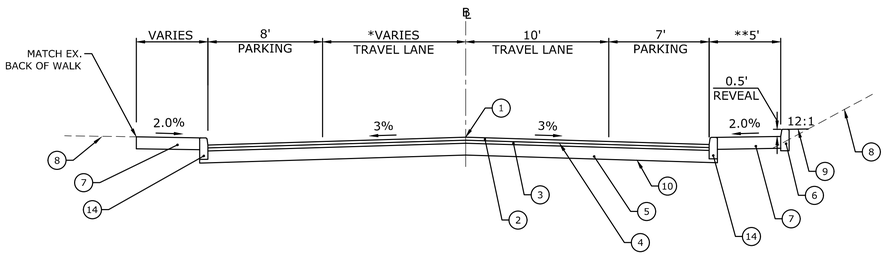


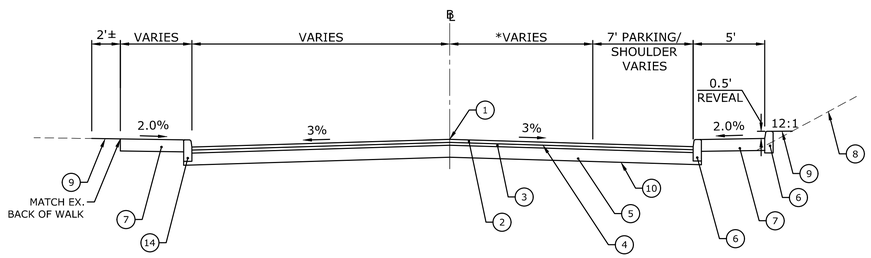
STA. 24+85± TO STA. 27+57±



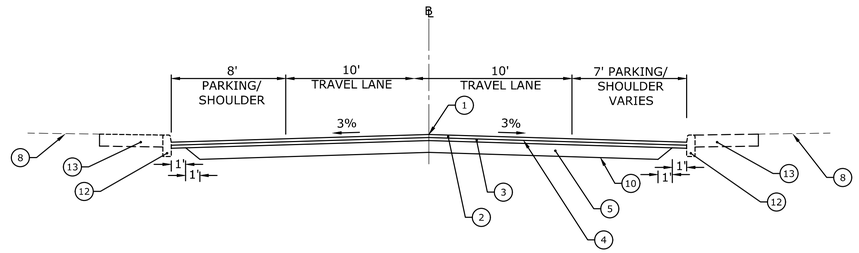
STA. 13+80± TO STA. 24+85± &
STA. 27+57± TO 33+27±



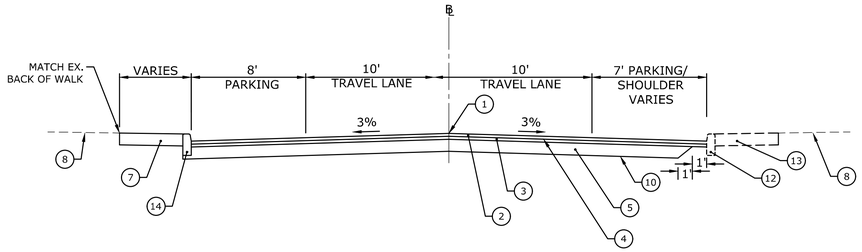
STA. 12+78± TO STA. 13+80±
* 10' FROM STA. 13+68 TO 13+80
** VARIES FROM 13+64 TO 13+80



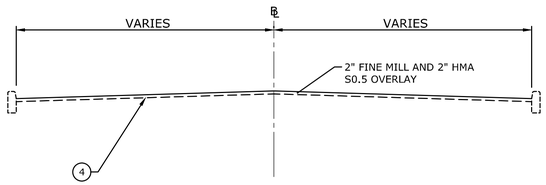
STA. 10+50± TO STA. 12+78±
* 10' FROM STA. 11+50 TO 12+78



STA. 33+42± TO STA. 35+10±



STA. 33+27± TO STA. 33+42±



MILL AND OVERLAY
LINDEN STREET & SMITH STREET

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 2.5" HMA S0.375 (DESIGN LEVEL 2)
3. 2.5" HMA S0.5 (DESIGN LEVEL 2)
4. MATERIAL FOR TACKCOAT
5. 10" SUBBASE
6. CONCRETE CURBING (6" REVEAL)
7. CONCRETE SIDEWALK
8. EXISTING GRADE
9. 4" TOPSOIL & TURF ESTABLISHMENT
10. FORMATION OF SUBGRADE
11. EXISTING RETAINING WALL (SEE ITEM 0202911A "CONDITION SURVEY")
12. EXISTING CURBING TO REMAIN
13. EXISTING SIDEWALK TO REMAIN
14. GRANITE STONE CURBING (5"X18")
15. EXPANSION JOINT FILLER - PER M.03.08-2 (INCLUDED IN COST OF "CONCRETE SIDEWALK")

NOTE: AREAS BEYOND THE LIMITS OF THE TYPICAL CROSS SECTIONS PROVIDED CONSIST OF THE SAME FULL-DEPTH PAVEMENT STRUCTURE, INCLUDING HMA AND SUBBASE THICKNESS, AS SHOWN HEREIN.

NORTH MAIN STREET

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DESCRIPTION	DATE	BY

TYPICAL CROSS SECTIONS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	N.T.S.
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
DWG NO.	TYP-1
SHEET NO.	03

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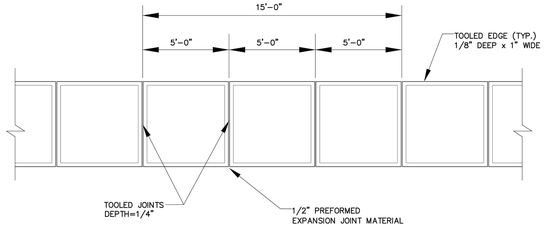
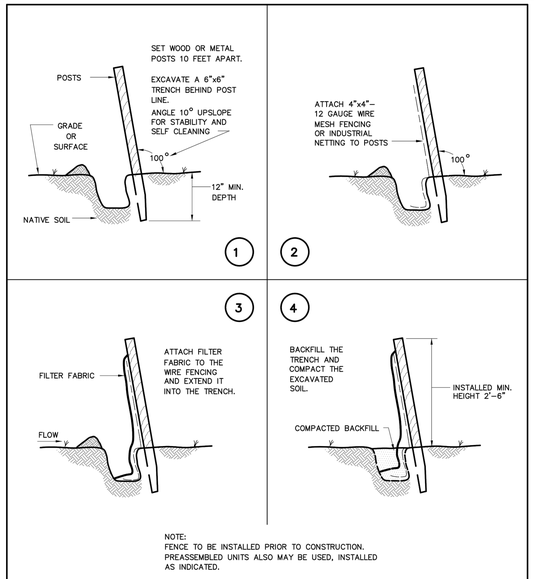


BOROUGH OF NAUGATUCK — INCORPORATED 1844 — CONNECTICUT

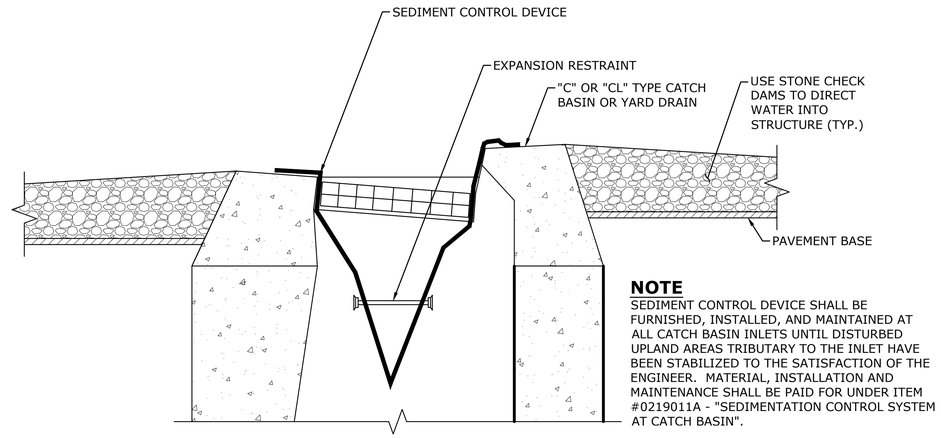
SIDEWALK JOINTS	Scale: NTS
BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Drawing No. SD-39
	Date:10/2011



NOTE:
FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION.
PREASSEMBLED UNITS ALSO MAY BE USED, INSTALLED AS INDICATED.

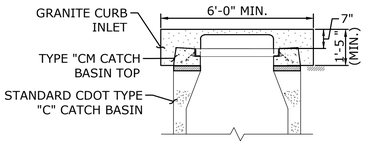
BOROUGH OF NAUGATUCK — INCORPORATED 1844 — CONNECTICUT

FILTER FABRIC SEDIMENT CONTROL FENCE PLACEMENT AND CONSTRUCTION	Scale: NTS
BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Drawing No. SD-41
	Date:10/2011

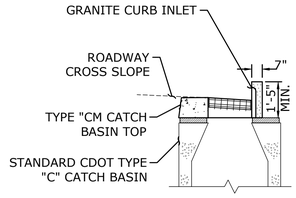


NOTE
SEDIMENT CONTROL DEVICE SHALL BE FURNISHED, INSTALLED, AND MAINTAINED AT ALL CATCH BASIN INLETS UNTIL DISTURBED UPLAND AREAS TRIBUTARY TO THE INLET HAVE BEEN STABILIZED TO THE SATISFACTION OF THE ENGINEER. MATERIAL, INSTALLATION AND MAINTENANCE SHALL BE PAID FOR UNDER ITEM #0219011A - "SEDIMENTATION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

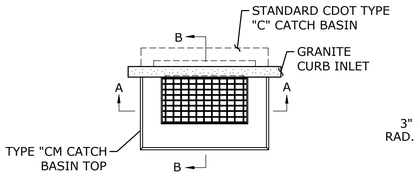
SEDIMENTATION CONTROL AT CATCH BASIN
NOT TO SCALE



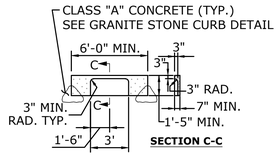
SECTION A-A



SECTION B-B

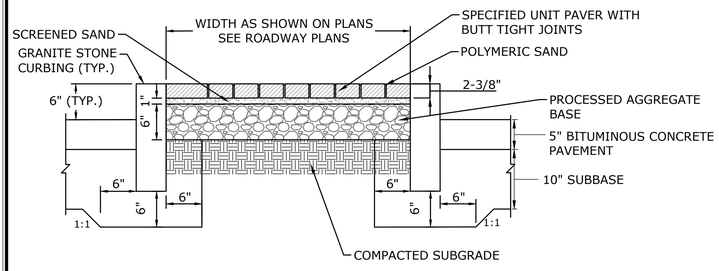


PLAN



ELEVATION

GRANITE CURB INLET
N.T.S.



UNIT PAVER ISLAND
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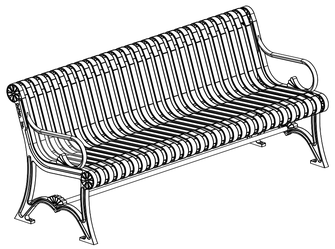
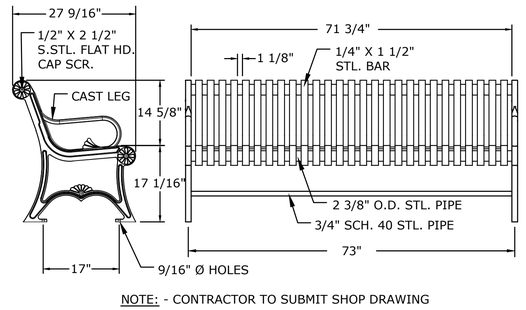
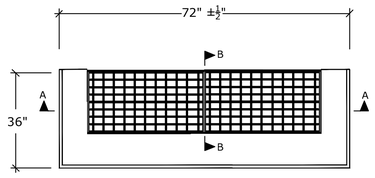


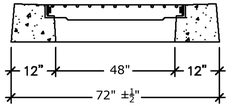


NOTE: - CONTRACTOR TO SUBMIT SHOP DRAWING

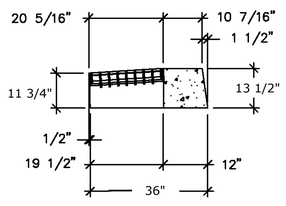
BENCH
NOT TO SCALE



TOP PLAN VIEW



SECTION A-A

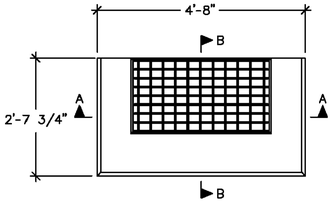


SECTION B-B

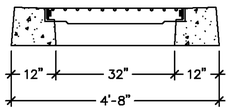
DESIGN CONFORMS TO CTDOT AND LOCAL SPECIFICATIONS.

DESIGN NOTES:
1. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615, GRADE 60.
2. CONCRETE COMPRESSIVE STRENGTH- 4,000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
3. METHOD OF MANUFACTURE: WET CAST.
4. SECTION IS MONOLITHIC.
5. FRAME & GRATE- PAINTED OR GALVANIZED AVAILABLE.
6. GRATE- TYPE A OR B ARE AVAILABLE.

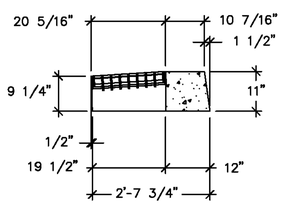
TYPE II "CM" CATCH BASIN TOP
N.T.S.



TOP PLAN VIEW



SECTION A-A



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TYPE "CM" CATCH BASIN TOP
N.T.S.

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Cheshire, Connecticut 06410
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DESCRIPTION	DATE	BY

MISCELLANEOUS DETAILS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

PJD	JLM	MJJ
DESIGNED	DRAWN	CHECKED

SCALE: NOT TO SCALE
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
DRAWING NO.: MDS-01
SHEET NO.: 04

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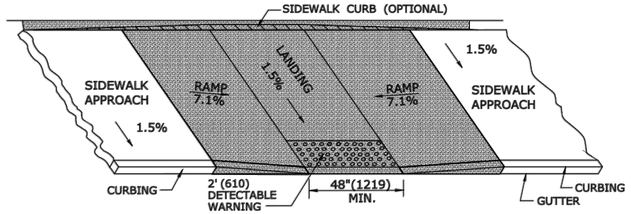
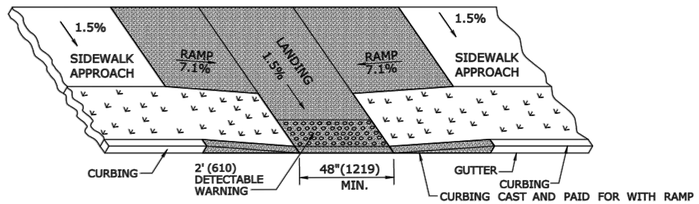
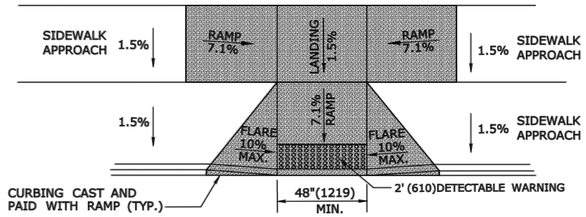


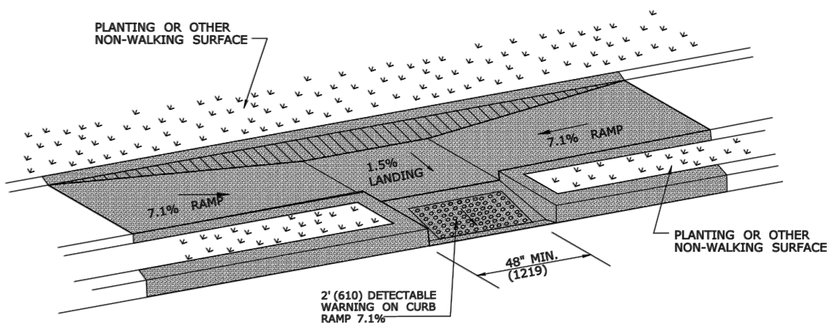
PARALLEL SIDEWALK RAMP (TYPE 1) NO UTILITY STRIP



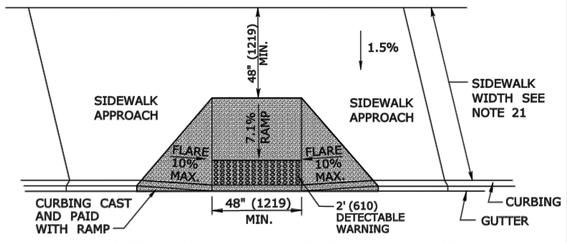
PARALLEL SIDEWALK RAMP (TYPE 1a) WITH UTILITY / GRASS STRIP



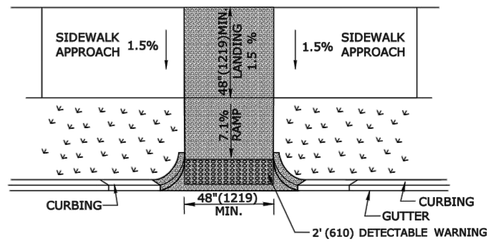
PARALLEL/PERPENDICULAR SIDEWALK RAMP NO UTILITY/GRASS STRIP (TYPE 1b)



PARALLEL SIDEWALK RAMP (TYPE 1c) WITH UTILITY / GRASS STRIP

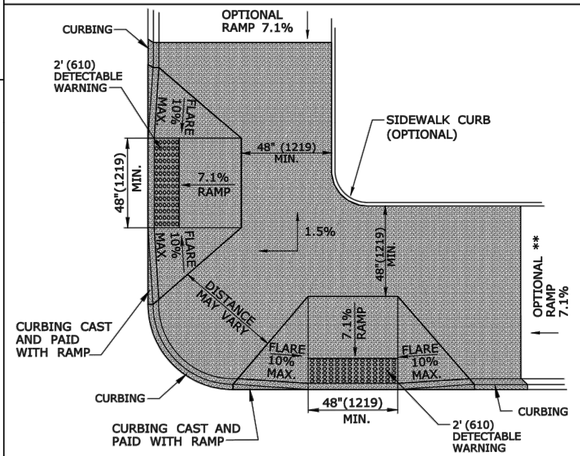


PERPENDICULAR SIDEWALK RAMP W/ 48" (1219) MIN. BY PASS LANDING (TYPE 2)



PERPENDICULAR SIDEWALK RAMP W/CURB RETURNS / UTILITY GRASS STRIP (TYPE 2a)

* OPTIONAL FLARE ONE SIDE OF RAMP



DUAL PERPENDICULAR SIDEWALK RAMPS (TYPE 3)

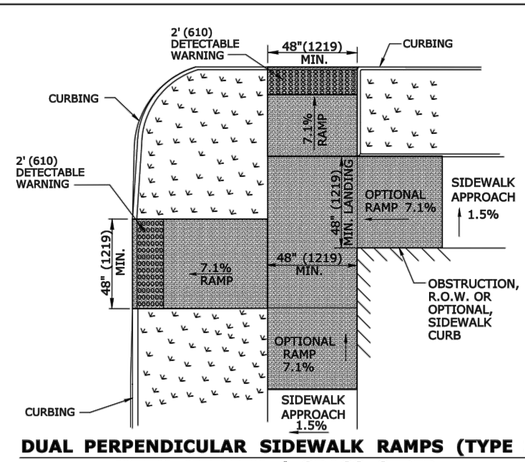
SEE NOTES 19

* OPTIONAL CURB RETURN ON ONE SIDE OF RAMP

** SEE NOTE 23

GENERAL NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP SHOULD NOT EXCEED 5%. THE MAXIMUM GRADE DIFFERENCE BETWEEN THE GUTTER AND CURB RAMP SHALL NOT EXCEED 13%. SEE DETAIL 1 ON SHEET 4.
2. RAMP GRADE SHALL BE UNIFORM, FREE OF SAGS AND ABRUPT GRADE CHANGES. RUNNING SLOPES OF RAMPS SHALL NOT EXCEED 8.33% AND SHALL NOT EXCEED 15' (4.5m) WITHOUT PROVIDING A LANDING.
3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "F" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE OF ALL SIDEWALK RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. SURFACE DISCONTINUITIES SHALL NOT EXCEED ½" (13) MAX. VERTICAL DISCONTINUITIES BETWEEN ¼" (6.4) AND ½" (13) MAX. SHALL BE BEVELED 1:2 MINIMUM APPLIED ACROSS THE ENTIRE LEVEL CHANGE.
5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES. DIAGONAL AND PERPENDICULAR RAMPS SHALL HAVE THE RAMP CUT PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS FOR THE DESIGNATED ACCESSIBLE ROUTE. BOTH LONGITUDINAL SIDES OF THE RAMP SHOULD BE THE SAME LENGTH. SKEWED RAMPS SHOULD BE AVOIDED. FLARES ARE NOT CONSIDERED PART OF PEDESTRIAN ACCESS ROUTE. DIAGONAL RAMPS SHOULD NOT BE INSTALLED WHERE CURB RADII IS LESS THAN 20'(6096).
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT. 8.3% MAXIMUM SLOPE MAY NOT BE ACHIEVABLE DUE TO EXISTING SIDEWALK GRADE. IN RECOGNITION OF THIS, A LIMIT OF 15' (4572) FOR REMOVAL SHALL BE USED UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK RAMP" OR "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' (3658) UNLESS OTHERWISE NOTED.
8. CONCRETE SIDEWALK RAMPS, SHALL BE PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK RAMP", AS DEFINED BY THE CONSTRUCTION LIMITS ON THE PLANS AND SHALL BE FIELD VERIFIED.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED WITH THE TOE AT THE GUTTER CAST INTEGRALLY WITH RAMP UNLESS DIRECTED OTHERWISE BY THE ENGINEER (SEE TYPICAL SECTION ON SHEET 3). CURB REMOVAL AND CAST IN PLACE CURBING REQUIRED FOR THE RAMP, SHALL BE INCLUDED WITH PAY ITEM "CONCRETE SIDEWALK RAMP". CURBING OUTSIDE LIMITS OF RAMP OR LANDING SHOWN ON SHEET 3 SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
10. PREFERRED LOCATION TO INSTALL DETECTABLE WARNING STRIP SHALL BE 6" (152) FROM THE EDGE OF ROAD ALONG THE FULL WIDTH OF THE RAMP. FOR ALTERNATE LOCATIONS, REFER TO DETECTABLE WARNING PLACEMENT DETAILS ON SHEET 4.
11. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID IN THE DIRECTION OF RUNNING SLOPE (PERPENDICULAR TO CURB OR SLOPE BREAK). THE TRANSITION FROM RAMP TO GUTTER SHALL BE FLUSH WITHOUT A LIP.
12. WHERE COMMERCIAL DRIVEWAYS ARE PROVIDED WITH TRAFFIC SIGNALS AND THE SIDEWALK IS CONTINUOUS THROUGH DRIVEWAY, DETECTABLE WARNINGS ARE REQUIRED AT THE JUNCTION BETWEEN THE PEDESTRIAN ROUTE AND DRIVEWAY.
13. CONSTRUCT A SIDEWALK CURB WHEN THERE IS INSUFFICIENT BUFFER AVAILABLE TO GRADE OR WHEN CALLED FOR IN PLANS. PAID FOR WITH SIDEWALK RAMP WHEN REQUIRED FOR RAMP.
14. THE TOP AND BOTTOM OF RAMPS SHOULD BE PROVIDED WITH A 4' x 4' (1219 x 1219) MINIMUM LEVEL LANDING AREA WITH A CROSS SLOPE LESS THAN OR EQUAL TO 2% IN ANY DIRECTION.
15. UTILITY POLES, LUMINAIRE, PEDESTRIAN OR SIGNAL POLES, GRATES, ACCESS COVERS, AND OTHER APPURTENANCES SHALL NOT BE LOCATED ON RAMPS, LANDINGS, BLENDED TRANSITIONS, AND @ GUTTERS WITHIN THE PEDESTRIAN ACCESS ROUTE.
16. APPROACH SIDEWALK WIDTHS, GRASS STRIP OR UTILITY STRIP WIDTHS MAY VARY.
17. APPROACH SIDEWALK AND LANDING CROSS SLOPE SHALL NOT EXCEED 2%.
18. THE RUNNING OR CROSS SLOPES ON LANDINGS AT MID BLOCK CROSSING MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
19. FOR PERPENDICULAR CURB RAMPS A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE TOP OF CURB RAMP. WHERE THE LEVEL LANDING IS RESTRICTED AT THE BACK OF SIDEWALK THE LEVEL LANDING SHALL BE 4'(1.2m) x 5'(1.5m) WITH THE 5'(1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE RAMP RUN.
20. FOR PARALLEL CURB RAMPS, A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE BOTTOM OF CURB RAMP. IF THE LEVEL LANDING IS RESTRICTED ON 2 OR MORE SIDES, THE LEVEL LANDING SHALL BE 4'(1.2m)x 5'(1.5m) WITH THE 5' (1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
21. WHEN WIDTH OF SIDEWALK IS ≥48" AND A PERPENDICULAR SIDEWALK RAMP IS INSTALLED, THE FLARED SIDES SHALL BE 10% MAX. IF WIDTH OF SIDEWALK IS <48" THE FLARED SIDES MUST NOT EXCEED 8.33% (12:1).
22. SHADED AREAS ARE TYPICAL PAY LIMITS FOR CONCRETE SIDEWALK RAMP BUT, MAY VARY AS DIRECTED BY THE ENGINEER.
23. OPTIONAL RAMP, WHEN REQUIRED, SHALL BE PAID FOR AS PART OF CONCRETE SIDEWALK RAMP.



DUAL PERPENDICULAR SIDEWALK RAMPS (TYPE 3a) WITH UTILITY / GRASS STRIP

SEE NOTE 20

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MISCELLANEOUS DETAILS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

DESIGNED	CTDOT
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DATE	JUNE 22, 2018
PROJECT NO.	2129-34
DRAWING NO.	MDS-02
SHEET NO.	05

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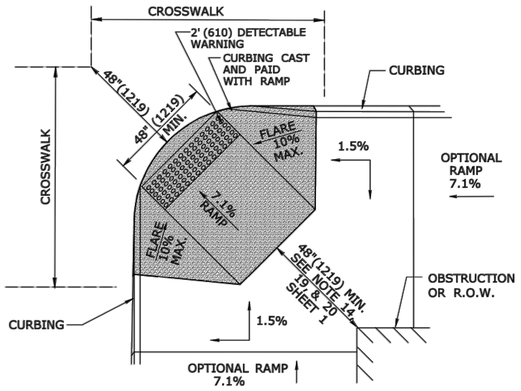
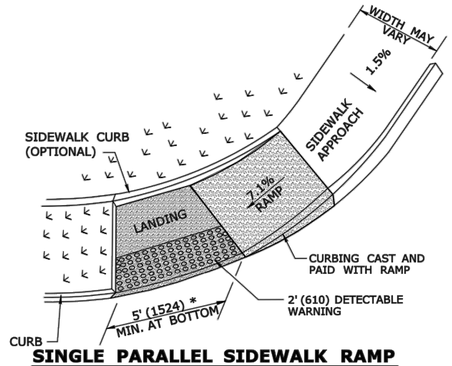
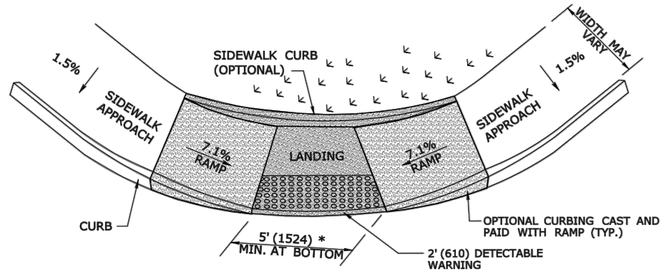


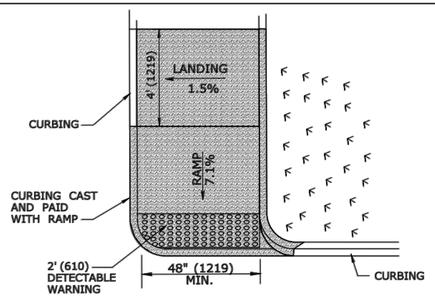
DIAGONAL SIDEWALK RAMP (TYPE 4)
W/LANDING AT TOP



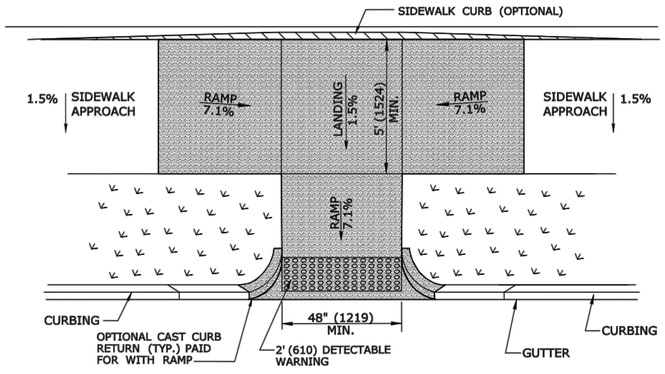
SINGLE PARALLEL SIDEWALK RAMP
W/LANDING AT BOTTOM ON CORNER (TYPE 4c)
* SEE NOTE 20 SHEET 1



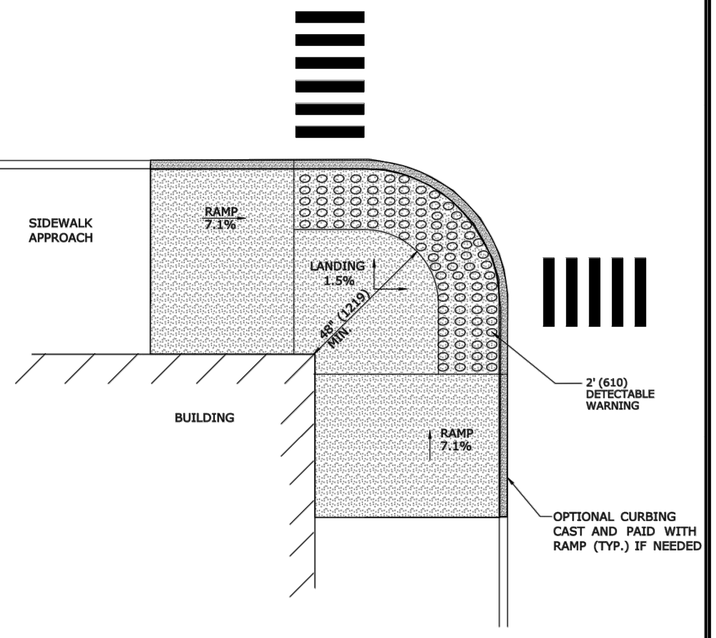
DOUBLE PARALLEL SIDEWALK RAMP
W/LANDING AT BOTTOM ON CORNER (TYPE 4f)
* SEE NOTE 20 SHEET 1



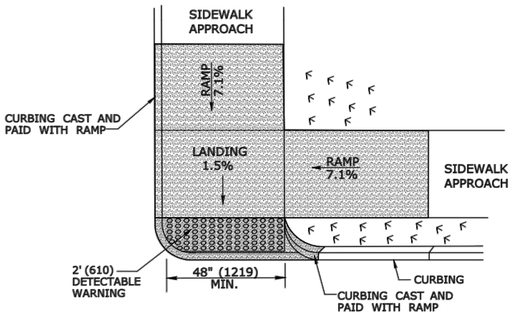
SINGLE DIRECTION
PERPENDICULAR SIDEWALK RAMP
NO / UTILITY GRASS STRIP
(TYPE 4a)



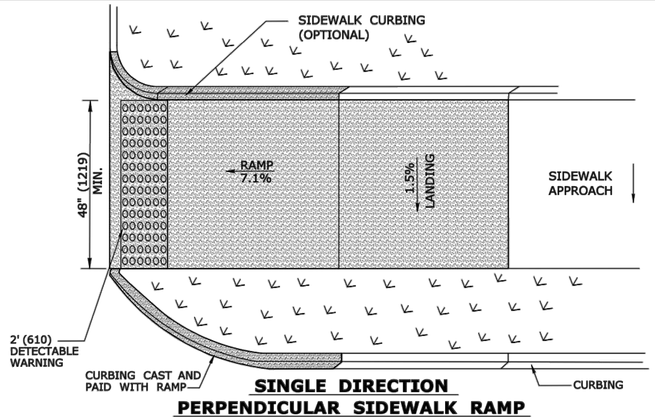
PARALLEL/PERPENDICULAR SIDEWALK RAMP
COMBINATION W/ CURB RETURNS (TYPE 4d)
* OPTIONAL FLARE ONE SIDE



RESTRICTED CONDITION
DIAGONAL SIDEWALK RAMP
(TYPE 4g)



DOUBLE DIRECTION
PARALLEL SIDEWALK RAMP
NO / UTILITY GRASS STRIP
(TYPE 4b)
SEE NOTE 20 SHEET 1



SINGLE DIRECTION
PERPENDICULAR SIDEWALK RAMP
W/ UTILITY GRASS STRIP (TYPE 4e)
REFER TO DETECTABLE WARNING PLACEMENT ON SHEET 4

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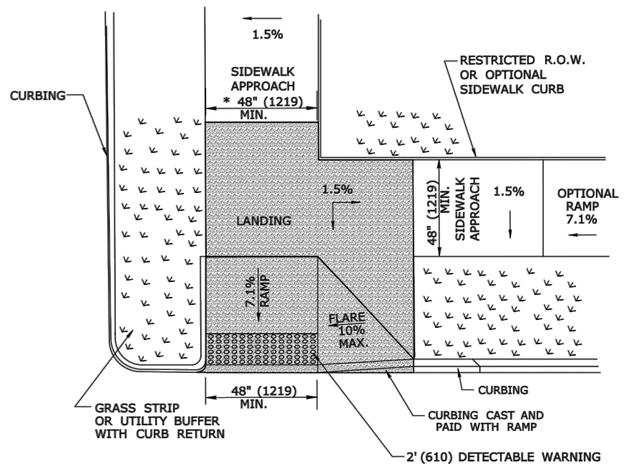
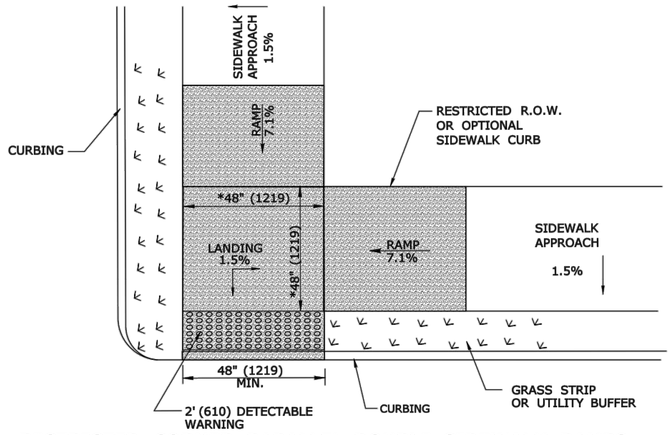


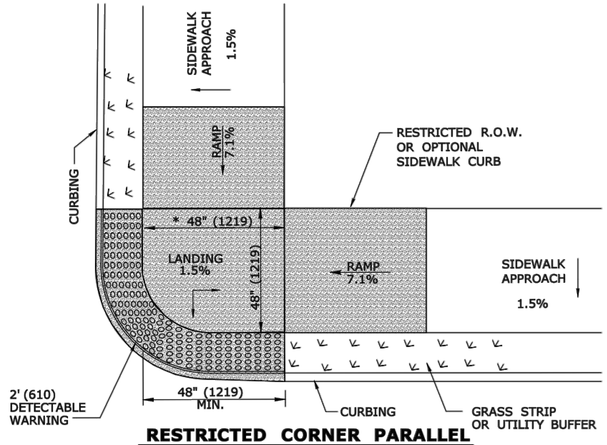
RESTRICTED CORNER PERPENDICULAR SIDEWALK RAMP
(TYPE 5)

* SEE NOTE 19 SHEET 1



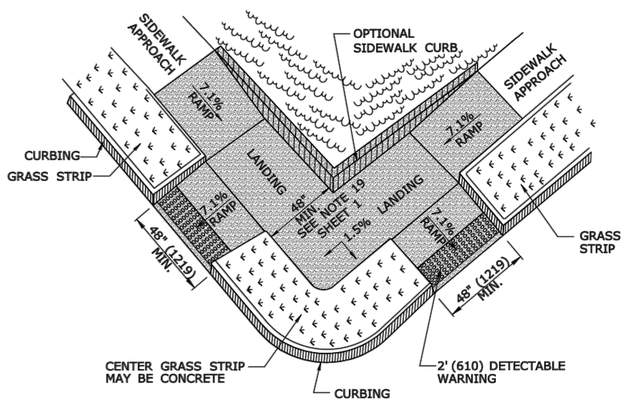
RESTRICTED CORNER PARALLEL DOUBLE SIDEWALK RAMPS
W/CENTER LANDING AND UTILITY GRASS STRIP
(TYPE 5a)

* SEE NOTE 20 SHEET 1



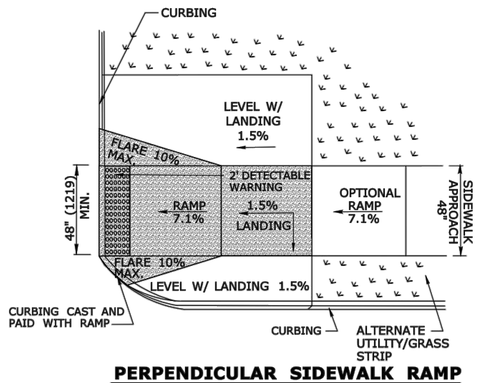
RESTRICTED CORNER PARALLEL
SIDEWALK RAMPS W/ CENTER LANDING
TWO DIRECTION AND UTILITY GRASS STRIP
(TYPE 5b)

* SEE NOTE 20 SHEET 1

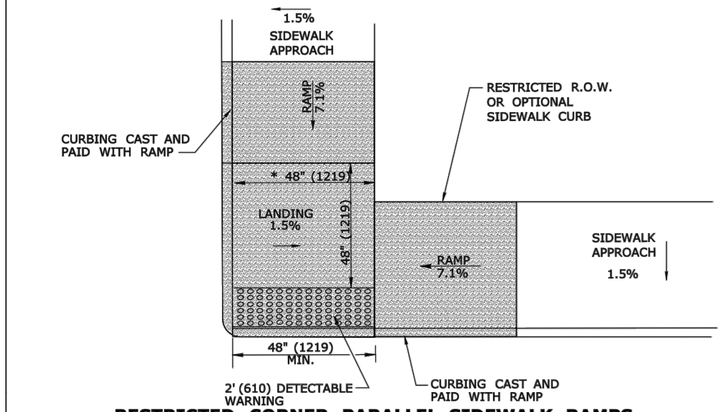


COMBINATION SIDEWALK RAMP (TYPE 6)

* SEE NOTE 19 SHEET 1

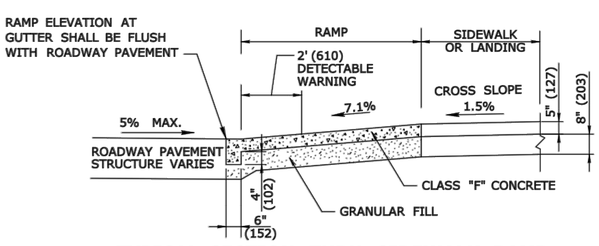


PERPENDICULAR SIDEWALK RAMP
ONE DIRECTION ON CORNER
(TYPE 6a)



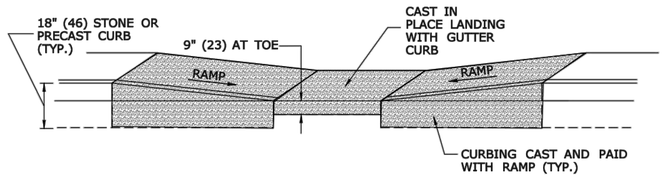
RESTRICTED CORNER PARALLEL SIDEWALK RAMPS
W/CENTER LANDING NO GRASS STRIP
(TYPE 5c)

* SEE NOTE 20 SHEET 1

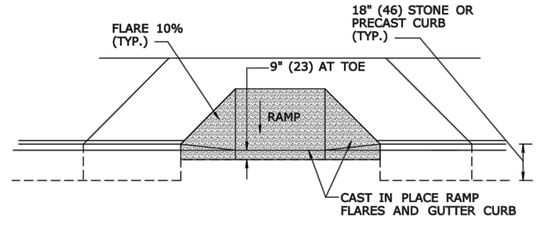


TYPICAL SECTION THRU SIDEWALK RAMP

SEE NOTE 2 AND 17 SHEET 1



TYPICAL ELEVATION PARALLEL SIDEWALK RAMP
WITH CAST IN PLACE GUTTER



TYPICAL ELEVATION PERPENDICULAR SIDEWALK RAMP
WITH CAST IN PLACE GUTTER

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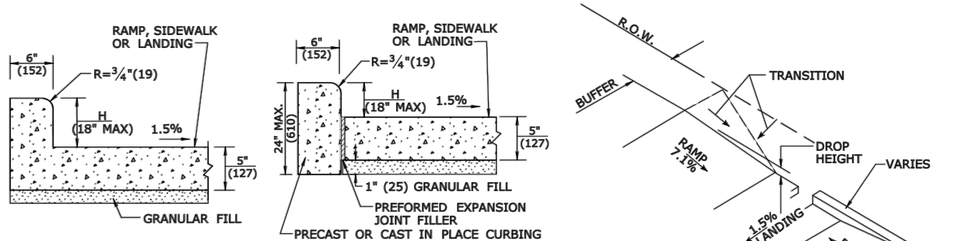
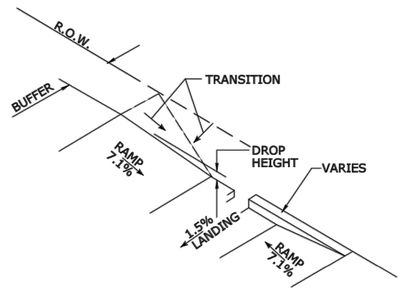
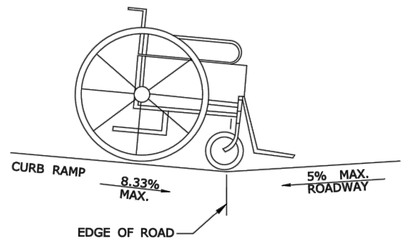


MONOLITHIC CAST CURB **SEPARATELY CAST CURB**

SIDEWALK CURB OPTIONS AT BACK OF SIDEWALK



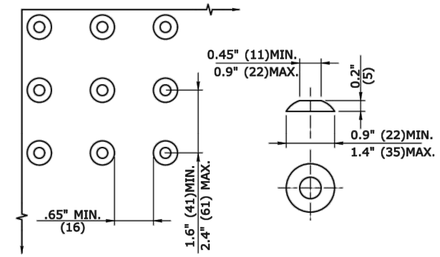
BACK OF SIDEWALK CURB OR BUFFER TRANSITION



DETAIL 1
SEE GRADE CHANGE AT ROADWAY INTERFACE
SEE NOTE 1 SHEET 06

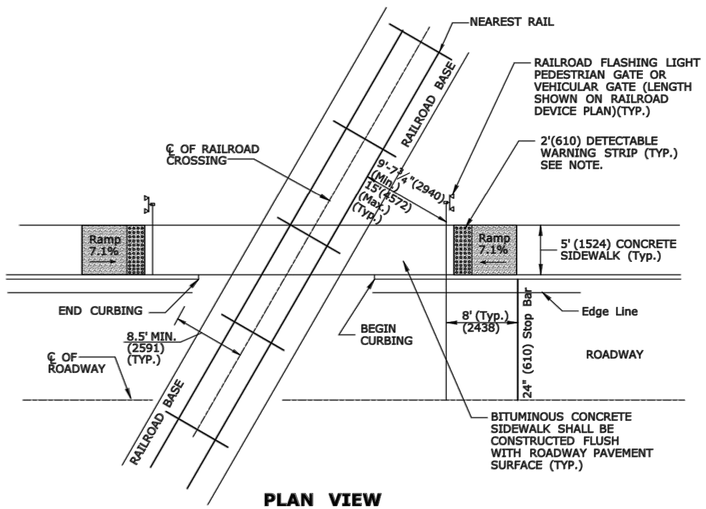
GENERAL NOTES:

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

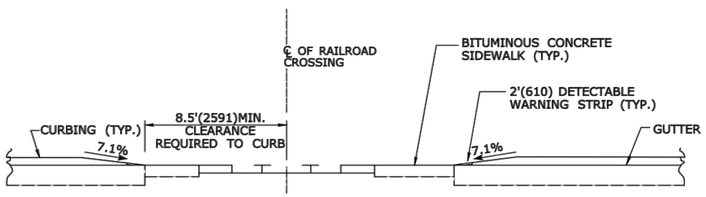


DOME SPACING **DOME SECTION**

STANDARD DOME ON DETECTABLE WARNING TILES



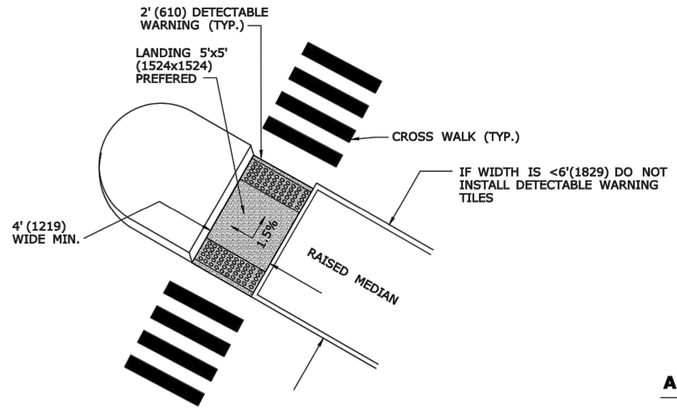
PLAN VIEW



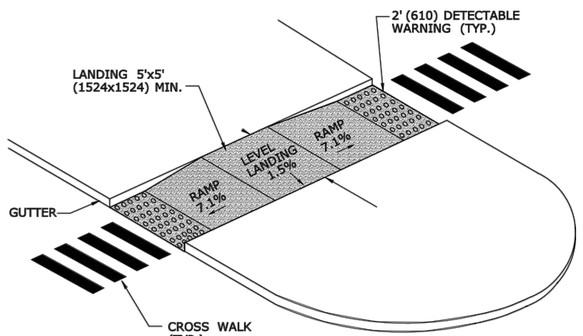
ELEVATION VIEW

DETECTABLE WARNINGS AT RAILROAD CROSSING

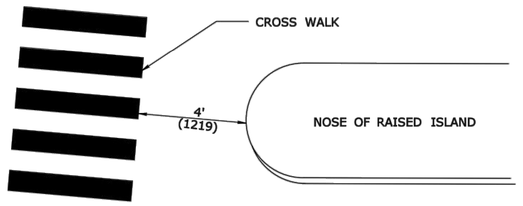
NOTE: WHEN NO GATE IS PRESENT, INSTALL DETECTABLE WARNING SURFACE 12' (3.6m) FROM THE NEAREST RAIL. IF GATE IS PRESENT, INSTALL DETECTABLE WARNING 2' (610) PRIOR TO GATE. THE ROWS OF TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL BE INSTALLED PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL.



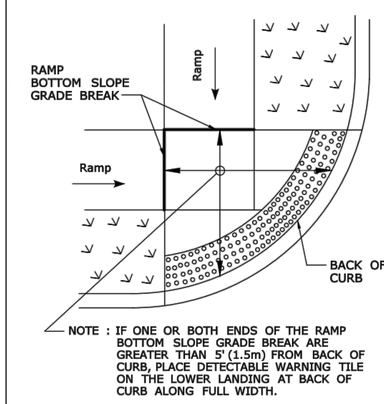
CUT-THROUGH MEDIAN ISLAND



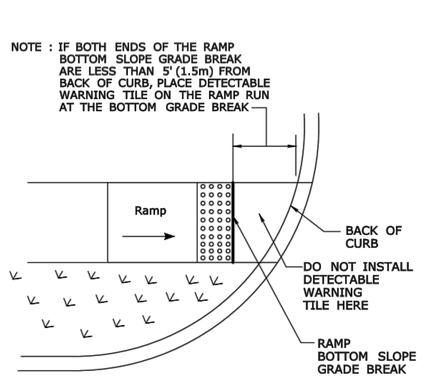
RAISED MEDIAN ISLAND WITH LANDING AND RAMPS



ALTERNATE CROSSWALK WITH MEDIAN ISLAND PULLED BACK



DETECTABLE WARNING PLACEMENT DETAIL 1



DETECTABLE WARNING PLACEMENT DETAIL 2

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

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DESCRIPTION | DATE | BY

MISCELLANEOUS DETAILS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

DESIGNED	CTDOT
SCALE	NOT TOSCALE
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
DRAWING NO.	MDS-05
SHEET NO.	08

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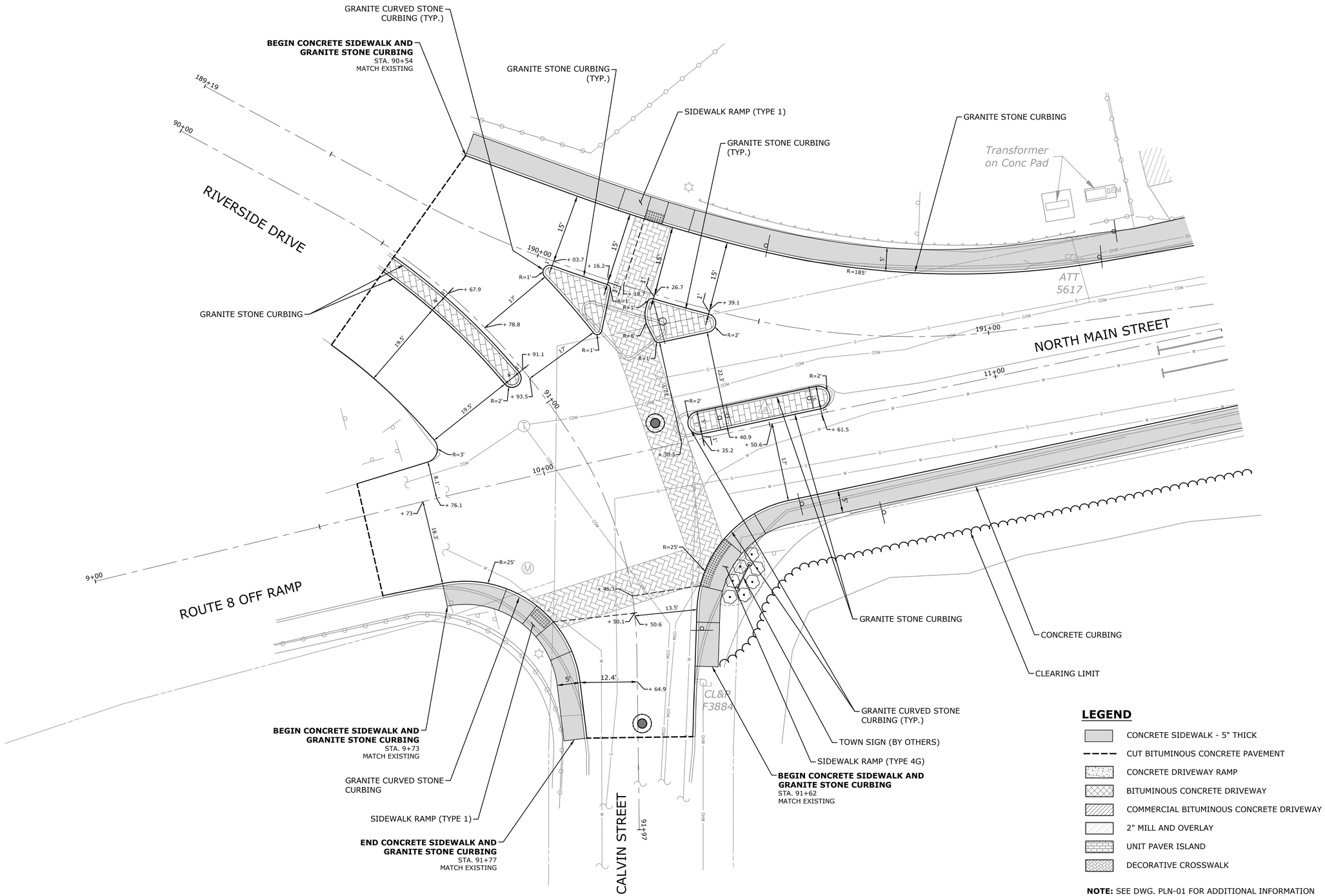

LEGEND

- CONCRETE SIDEWALK - 5" THICK
- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
- BITUMINOUS CONCRETE DRIVEWAY
- COMMERCIAL BITUMINOUS CONCRETE DRIVEWAY
- 2" MILL AND OVERLAY
- UNIT PAVER ISLAND
- DECORATIVE CROSSWALK

NOTE: SEE DWG. PLN-01 FOR ADDITIONAL INFORMATION INCLUDING PROJECT LIMITS.

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DESCRIPTION	DATE	BY

RIVERSIDE DRIVE & CALVIN STREET INTERSECTION LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	1"=10'
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
SHEET NO.	MDS-06
SHEET NAME	09

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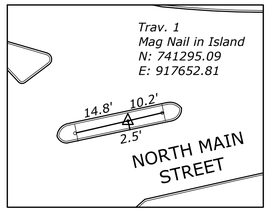

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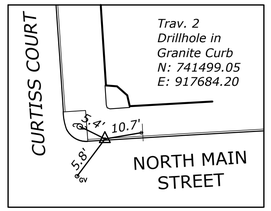

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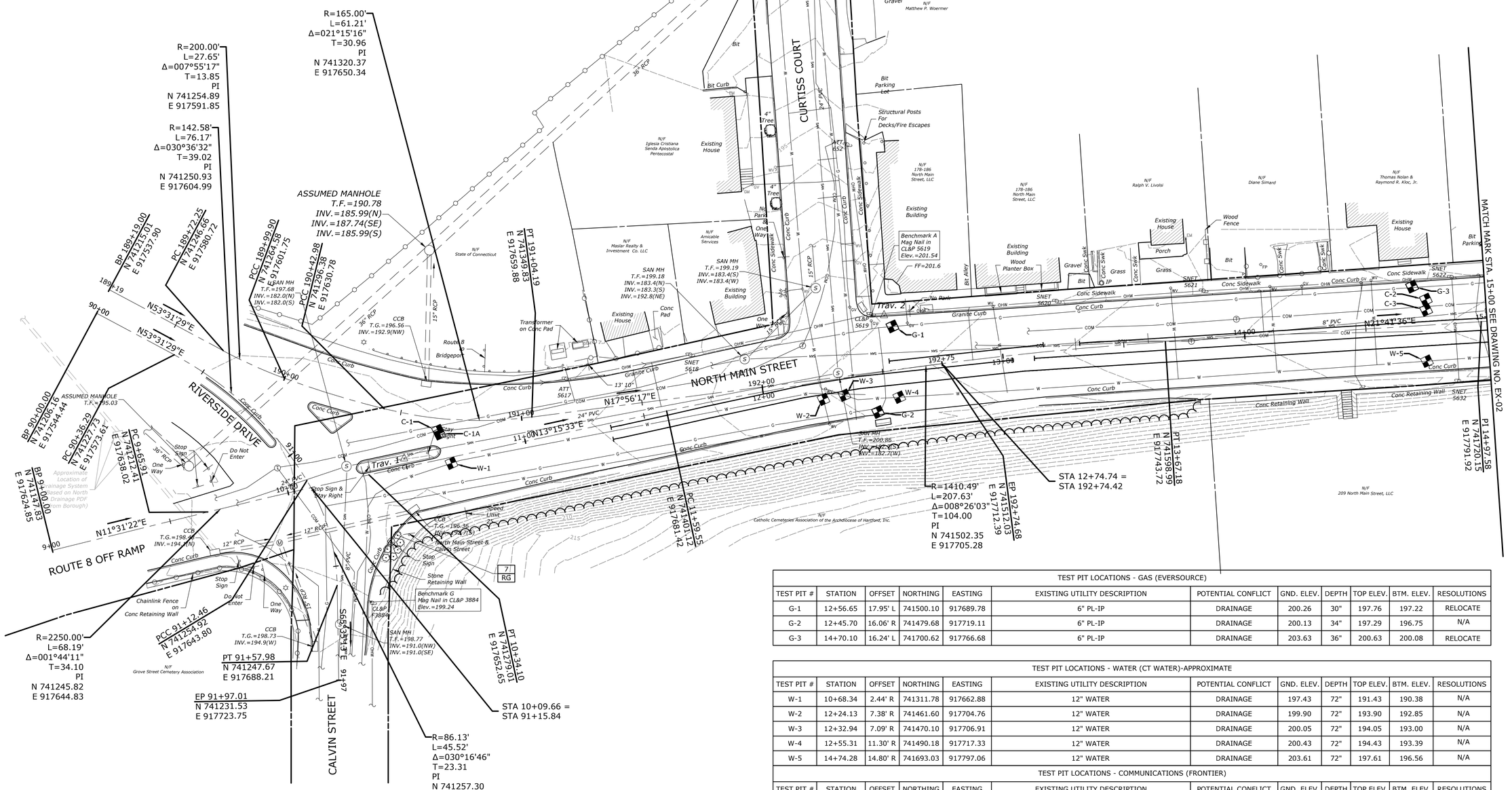

TEST PIT LOCATIONS - GAS (EVERSOURCE)										
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
G-1	12+56.65	17.95' L	741500.10	917689.78	6" PL-IP	DRAINAGE	200.26	30"	197.76	197.22	RELOCATE
G-2	12+45.70	16.06' R	741479.68	917719.11	6" PL-IP	DRAINAGE	200.13	34"	197.29	196.75	N/A
G-3	14+70.10	16.24' L	741700.62	917766.68	6" PL-IP	DRAINAGE	203.63	36"	200.63	200.08	RELOCATE

TEST PIT LOCATIONS - WATER (CT WATER)-APPROXIMATE										
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
W-1	10+68.34	2.44' R	741311.78	917662.88	12" WATER	DRAINAGE	197.43	72"	191.43	190.38	N/A
W-2	12+24.13	7.38' R	741461.60	917704.76	12" WATER	DRAINAGE	199.90	72"	193.90	192.85	N/A
W-3	12+32.94	7.09' R	741470.10	917706.91	12" WATER	DRAINAGE	200.05	72"	194.05	193.00	N/A
W-4	12+55.31	11.30' R	741490.18	917717.33	12" WATER	DRAINAGE	200.43	72"	194.43	193.39	N/A
W-5	14+74.28	14.80' R	741693.03	917797.06	12" WATER	DRAINAGE	203.61	72"	197.61	196.56	N/A
TEST PIT LOCATIONS - COMMUNICATIONS (FRONTIER)										
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
C-1	10+65.76	11.84' L	741312.54	917648.39	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	197.30	38"	194.14	193.14	RELOCATE
C-1A	10+66.08	10.46' L	741312.54	917649.80	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	197.34	28"	195.01	194.01	RELOCATE
C-2	14+75.43	10.58' L	741703.48	917773.91	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	203.74	32"	201.07	200.07	N/A
C-3	14+75.27	6.24' L	741701.73	917777.88	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	203.79	34"	200.96	199.96	N/A

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DESCRIPTION | DATE | BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: EX-01

DWG NO.: 10

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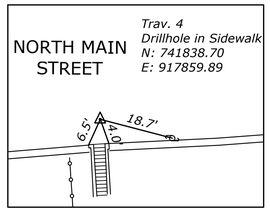
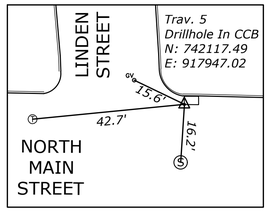


Control Tie
Not to Scale



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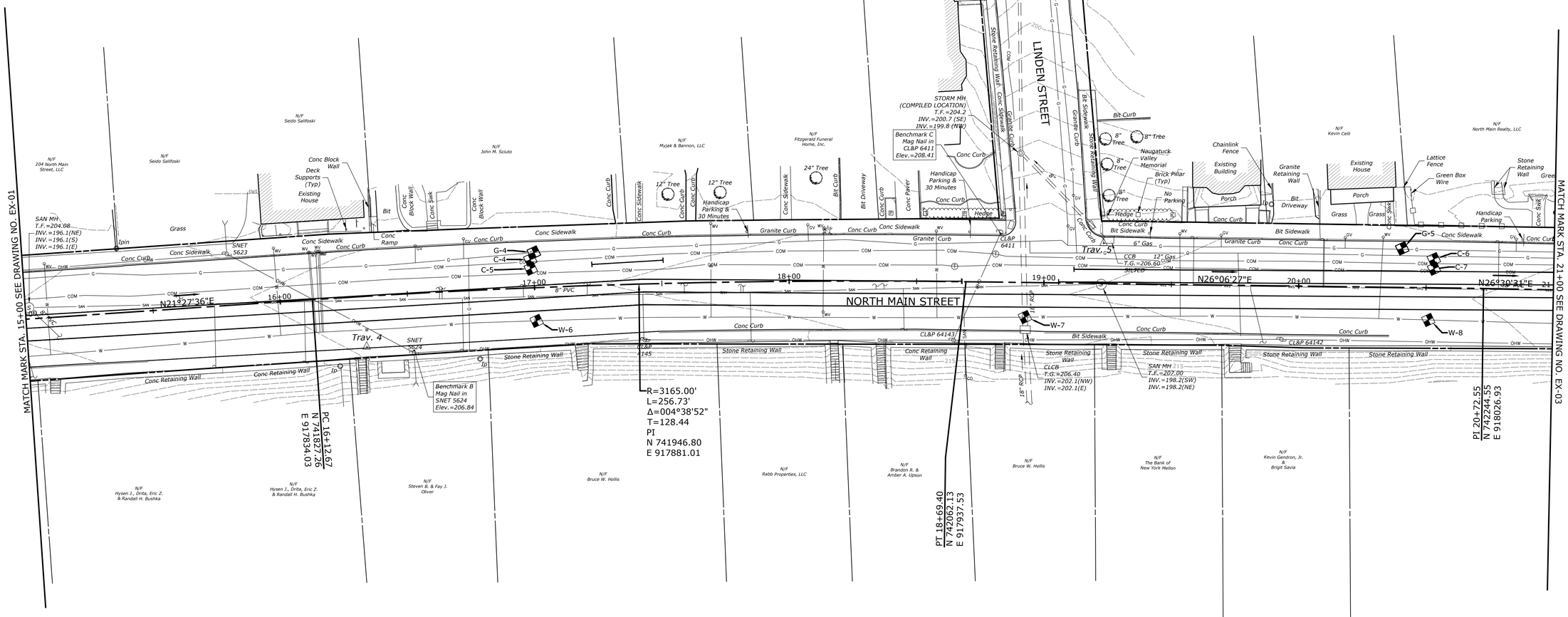

TEST PIT LOCATIONS - GAS (EVERSOURCE)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
G-4	17+00.29	13.74' L	741913.73	917854.56	6" PL-IP (APPROXIMATE LOCATION)	DRAINAGE	205.55	33"	202.80	202.25	N/A
G-5	20+40.45	15.31' L	742222.46	917999.05	6" PL-IP	DRAINAGE	207.47	33"	204.72	204.17	RELOCATE
TEST PIT LOCATIONS - WATER (CT WATER)-APPROXIMATE											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
W-6	17+00.31	13.07' R	741903.25	917879.24	12" WATER	DRAINAGE	205.63	72"	199.63	198.58	N/A
W-7	18+92.70	13.58' R	742077.07	917959.98	12" WATER	DRAINAGE	206.57	72"	200.57	199.52	N/A
W-8	20+51.04	12.63' R	742219.67	918028.81	12" WATER	DRAINAGE	207.75	72"	201.75	200.70	N/A
TEST PIT LOCATIONS - COMMUNICATIONS (FRONTIER)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
C-4	16+98.78	11.06' L	741911.29	917856.43	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	205.57	28"	203.24	202.24	N/A
C-5	16+98.82	7.48' L	741909.93	917859.74	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	205.63	30"	203.13	202.13	N/A
C-6	20+52.91	11.22' L	742231.84	918008.21	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	207.59	27"	205.34	204.34	N/A
C-7	20+53.02	7.49' L	742230.30	918011.61	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	207.67	32"	205.01	204.01	N/A

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EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: EX-02

DWG NO.: 11

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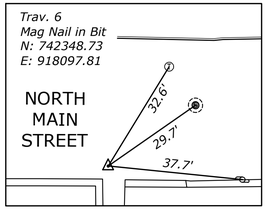

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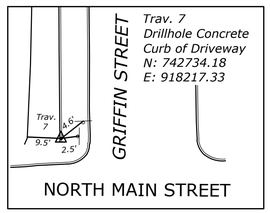

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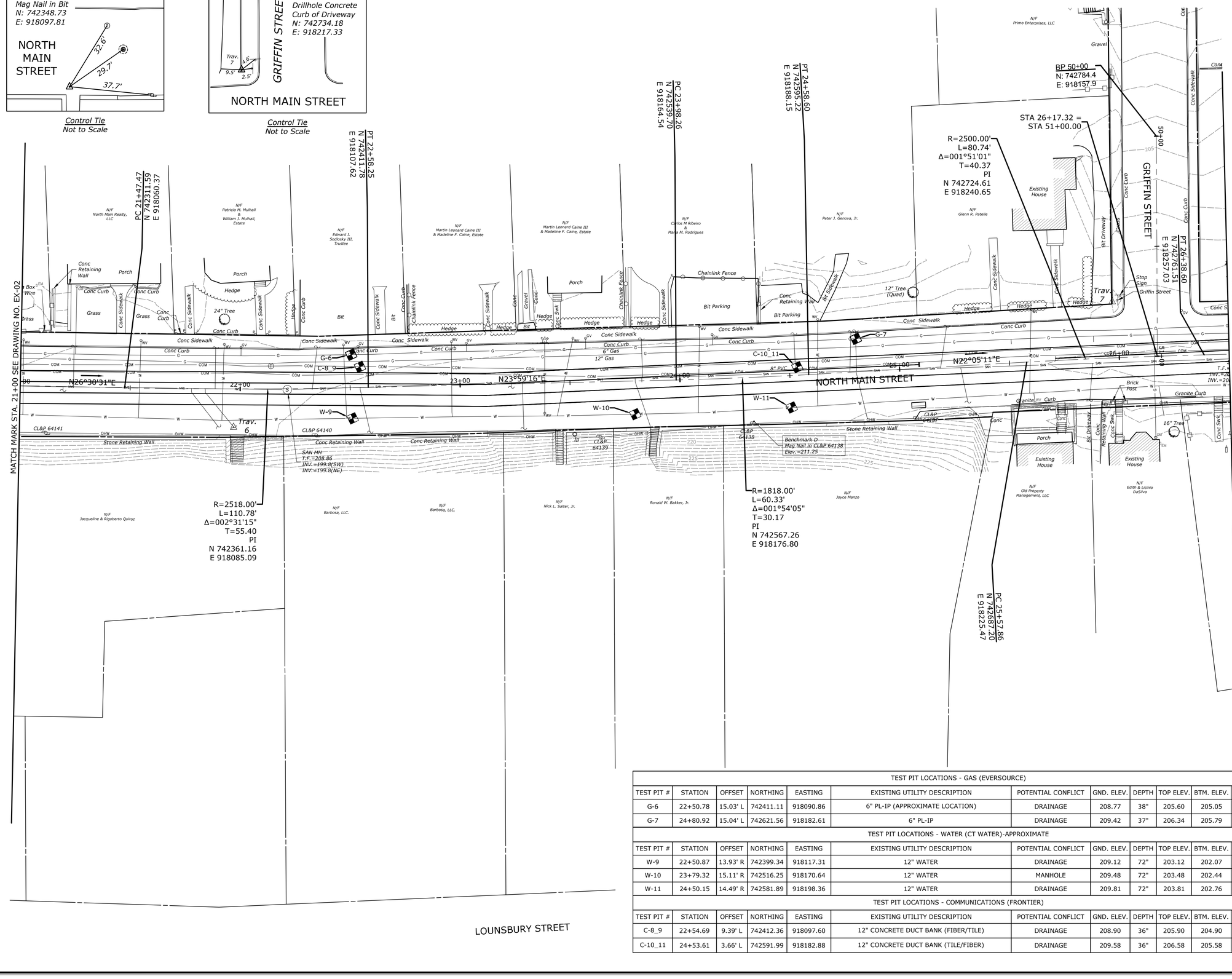

TEST PIT LOCATIONS - GAS (EVERSOURCE)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
G-6	22+50.78	15.03' L	742411.11	918090.86	6" PL-IP (APPROXIMATE LOCATION)	DRAINAGE	208.77	38"	205.60	205.05	RELOCATE
G-7	24+80.92	15.04' L	742621.56	918182.61	6" PL-IP	DRAINAGE	209.42	37"	206.34	205.79	RELOCATE
TEST PIT LOCATIONS - WATER (CT WATER)-APPROXIMATE											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
W-9	22+50.87	13.93' R	742399.34	918117.31	12" WATER	DRAINAGE	209.12	72"	203.12	202.07	N/A
W-10	23+79.32	15.11' R	742516.25	918170.64	12" WATER	MANHOLE	209.48	72"	203.48	202.44	N/A
W-11	24+50.15	14.49' R	742581.89	918198.36	12" WATER	DRAINAGE	209.81	72"	203.81	202.76	N/A
TEST PIT LOCATIONS - COMMUNICATIONS (FRONTIER)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
C-8_9	22+54.69	9.39' L	742412.36	918097.60	12" CONCRETE DUCT BANK (FIBER/TILE)	DRAINAGE	208.90	36"	205.90	204.90	N/A
C-10_11	24+53.61	3.66' L	742591.99	918182.88	12" CONCRETE DUCT BANK (TILE/FIBER)	DRAINAGE	209.58	36"	206.58	205.58	N/A

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DESCRIPTION	DATE	BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: EX-03

DWG NO.: 12

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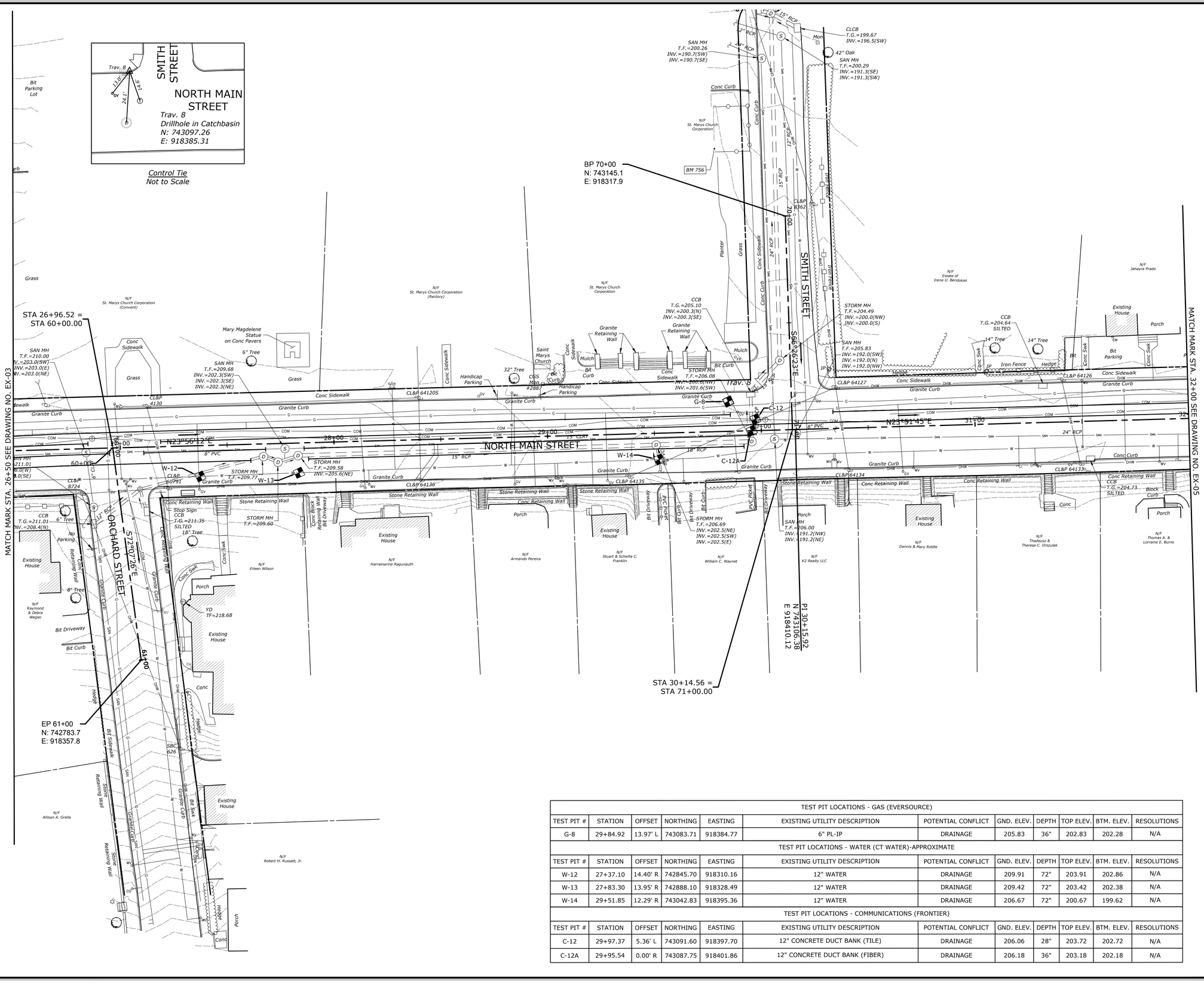

TEST PIT LOCATIONS - GAS (EVERSOURCE)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
G-8	29+84.92	13.97' L	743083.71	918384.77	6" PL-IP	DRAINAGE	205.83	36"	202.83	202.28	N/A
TEST PIT LOCATIONS - WATER (CT WATER)-APPROXIMATE											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
W-12	27+37.10	14.40' R	742845.70	918310.16	12" WATER	DRAINAGE	209.91	72"	203.91	202.86	N/A
W-13	27+83.30	13.95' R	742888.10	918328.49	12" WATER	DRAINAGE	209.42	72"	203.42	202.38	N/A
W-14	29+51.85	12.29' R	743042.83	918395.36	12" WATER	DRAINAGE	206.67	72"	200.67	199.62	N/A
TEST PIT LOCATIONS - COMMUNICATIONS (FRONTIER)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
C-12	29+97.37	5.36' L	743091.60	918397.70	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	206.06	28"	203.72	202.72	N/A
C-12A	29+95.54	0.00' R	743087.75	918401.86	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	206.18	36"	203.18	202.18	N/A

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DESCRIPTION	DATE	BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS DESIGNED	TDS DRAWN	PD CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: EX-04

DWG NO.: 13

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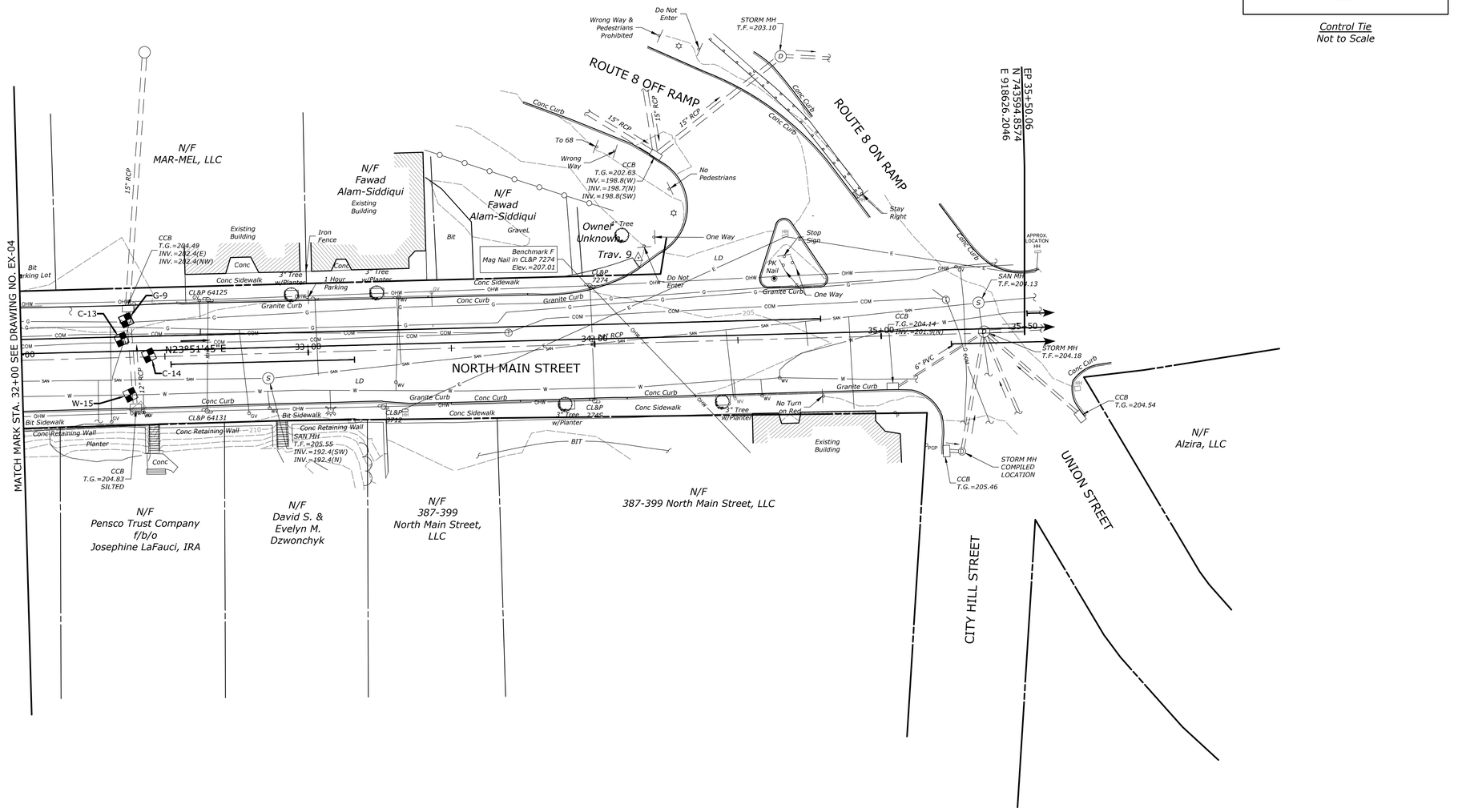

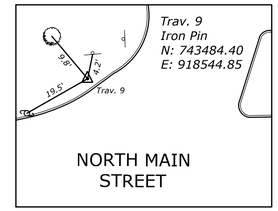

Control Tie
Not to Scale

TEST PIT LOCATIONS - GAS (EVERSOURCE)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
G-9	32+36.86	12.99' L	743313.69	918487.63	6" PL-IP	DRAINAGE	204.80	39"	201.55	201.01	N/A
TEST PIT LOCATIONS - WATER (CT WATER)-APPROXIMATE											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
W-15	32+37.58	13.06' R	743303.80	918511.74	12" WATER	DRAINAGE	205.13	72"	199.13	198.09	N/A
TEST PIT LOCATIONS - COMMUNICATIONS (FRONTIER)											
TEST PIT #	STATION	OFFSET	NORTHING	EASTING	EXISTING UTILITY DESCRIPTION	POTENTIAL CONFLICT	GND. ELEV.	DEPTH	TOP ELEV.	BTM. ELEV.	RESOLUTIONS
C-13	32+35.01	6.34' L	743309.30	918492.95	12" CONCRETE DUCT BANK (TILE)	DRAINAGE	205.12	50"	200.96	199.96	N/A
C-14	32+44.43	0.51' L	743315.56	918502.10	12" CONCRETE DUCT BANK (FIBER)	DRAINAGE	205.43	31"	202.84	201.84	N/A

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DESCRIPTION	DATE	BY

EXISTING CONDITIONS AND BASELINE LAYOUT PLAN

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: EX-05

DWG NO.: 14

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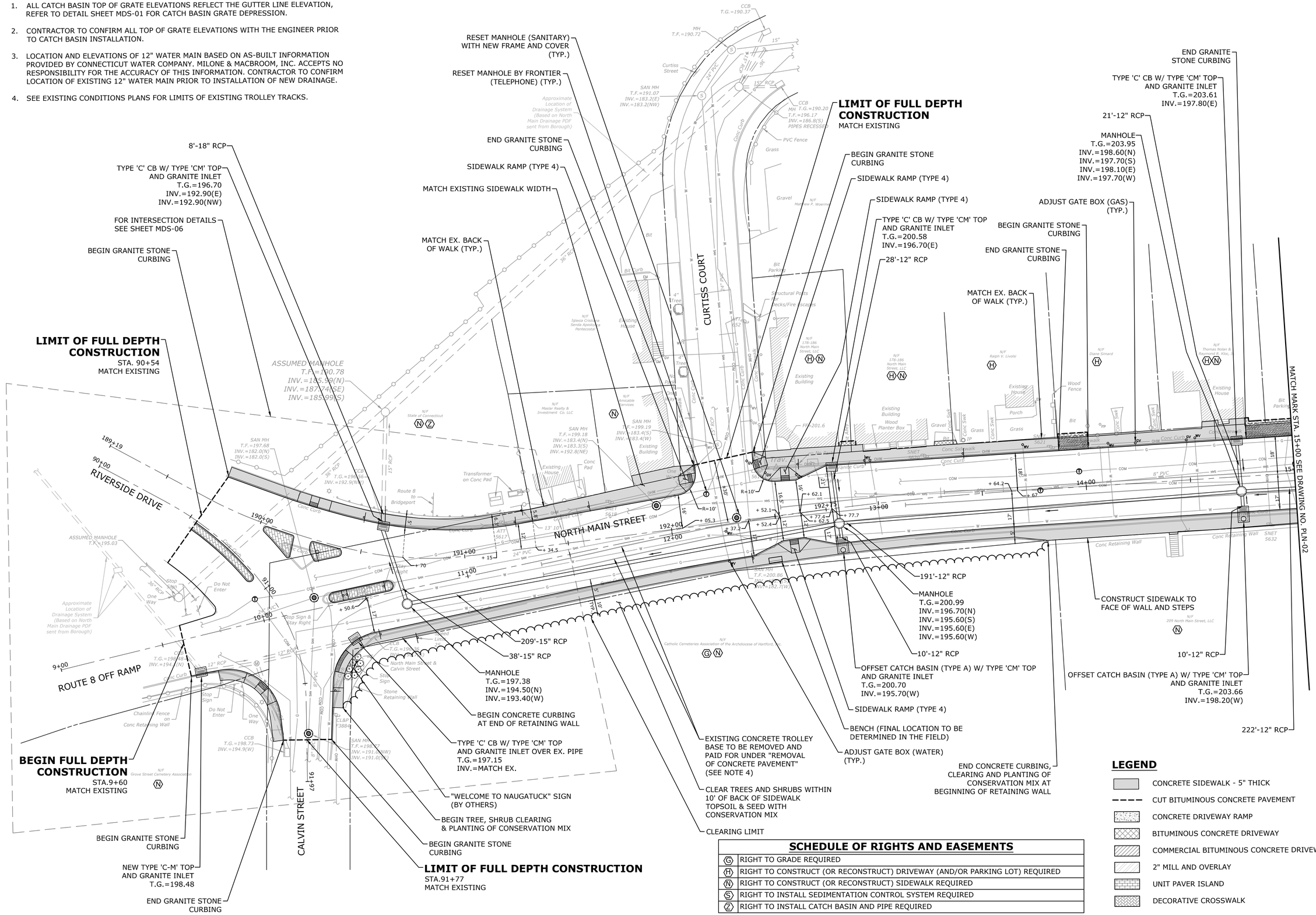
NOTE:

1. ALL CATCH BASIN TOP OF GRATE ELEVATIONS REFLECT THE GUTTER LINE ELEVATION, REFER TO DETAIL SHEET MDS-01 FOR CATCH BASIN GRATE DEPRESSION.
2. CONTRACTOR TO CONFIRM ALL TOP OF GRATE ELEVATIONS WITH THE ENGINEER PRIOR TO CATCH BASIN INSTALLATION.
3. LOCATION AND ELEVATIONS OF 12" WATER MAIN BASED ON AS-BUILT INFORMATION PROVIDED BY CONNECTICUT WATER COMPANY. MILONE & MACBROOM, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR TO CONFIRM LOCATION OF EXISTING 12" WATER MAIN PRIOR TO INSTALLATION OF NEW DRAINAGE.
4. SEE EXISTING CONDITIONS PLANS FOR LIMITS OF EXISTING TROLLEY TRACKS.



SCHEDULE OF RIGHTS AND EASEMENTS

(G)	RIGHT TO GRADE REQUIRED
(H)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY (AND/OR PARKING LOT) REQUIRED
(N)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK REQUIRED
(S)	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
(Z)	RIGHT TO INSTALL CATCH BASIN AND PIPE REQUIRED

LEGEND

- CONCRETE SIDEWALK - 5" THICK
- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
- BITUMINOUS CONCRETE DRIVEWAY
- COMMERCIAL BITUMINOUS CONCRETE DRIVEWAY
- 2" MILL AND OVERLAY
- UNIT PAVER ISLAND
- DECORATIVE CROSSWALK

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DESCRIPTION	DATE	BY

ROADWAY AND DRAINAGE PLANS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

1"=20'
SCALE

JUNE 22, 2018
DATE

2129-34
PROJECT NO.

PLN-01
SHEET NO.

15
DWG NO.

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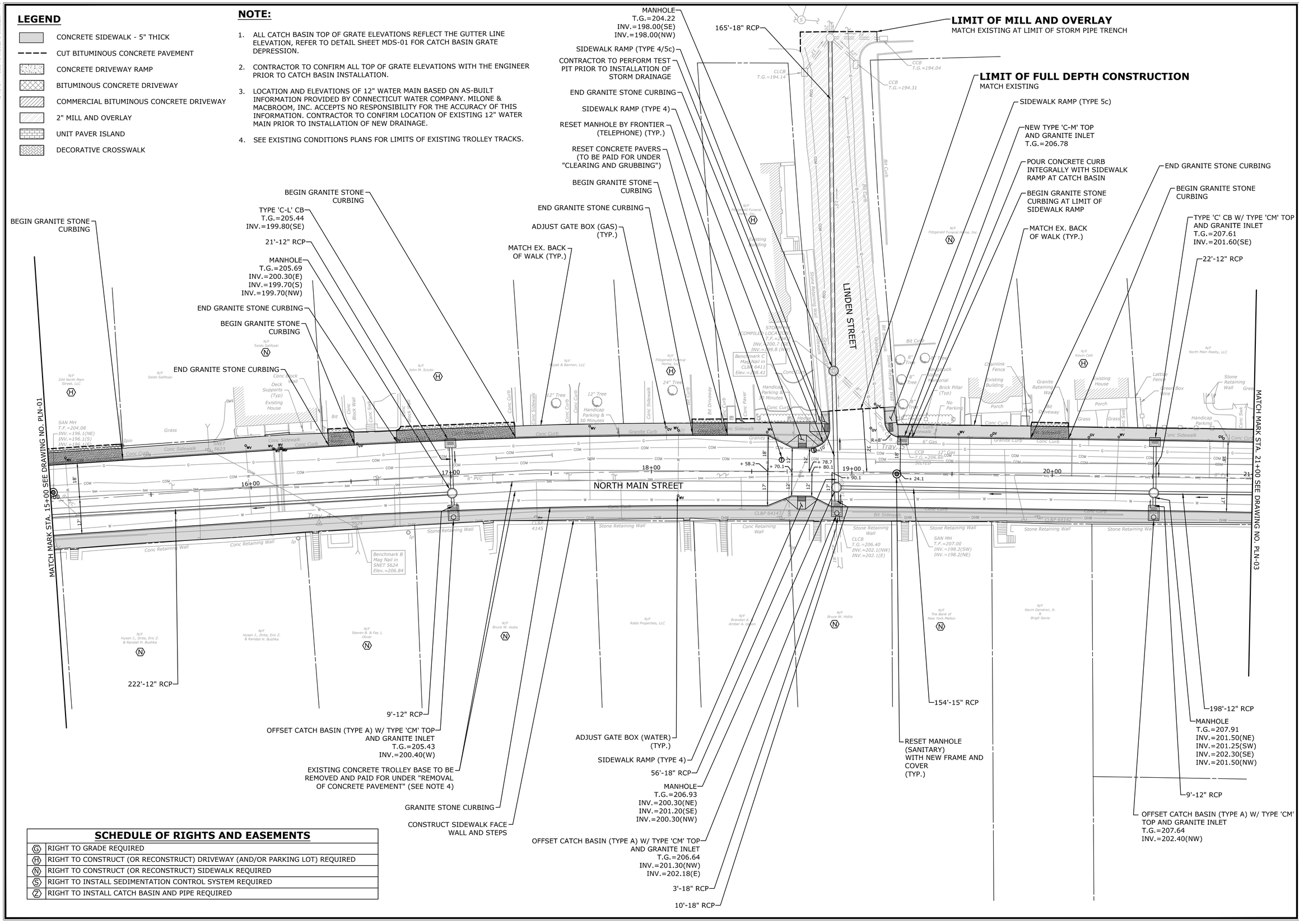
LEGEND

- CONCRETE SIDEWALK - 5" THICK
- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
- BITUMINOUS CONCRETE DRIVEWAY
- COMMERCIAL BITUMINOUS CONCRETE DRIVEWAY
- 2" MILL AND OVERLAY
- UNIT PAVER ISLAND
- DECORATIVE CROSSWALK

NOTE:

1. ALL CATCH BASIN TOP OF GRATE ELEVATIONS REFLECT THE GUTTER LINE ELEVATION, REFER TO DETAIL SHEET MDS-01 FOR CATCH BASIN GRATE DEPRESSION.
2. CONTRACTOR TO CONFIRM ALL TOP OF GRATE ELEVATIONS WITH THE ENGINEER PRIOR TO CATCH BASIN INSTALLATION.
3. LOCATION AND ELEVATIONS OF 12" WATER MAIN BASED ON AS-BUILT INFORMATION PROVIDED BY CONNECTICUT WATER COMPANY. MILONE & MACBROOM, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR TO CONFIRM LOCATION OF EXISTING 12" WATER MAIN PRIOR TO INSTALLATION OF NEW DRAINAGE.
4. SEE EXISTING CONDITIONS PLANS FOR LIMITS OF EXISTING TROLLEY TRACKS.



SCHEDULE OF RIGHTS AND EASEMENTS

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(Z)	RIGHT TO INSTALL CATCH BASIN AND PIPE REQUIRED

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DESCRIPTION	DATE	BY

ROADWAY AND DRAINAGE PLANS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	1"=20'
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
SHEET NO.	PLN-02

16
DWG NO.

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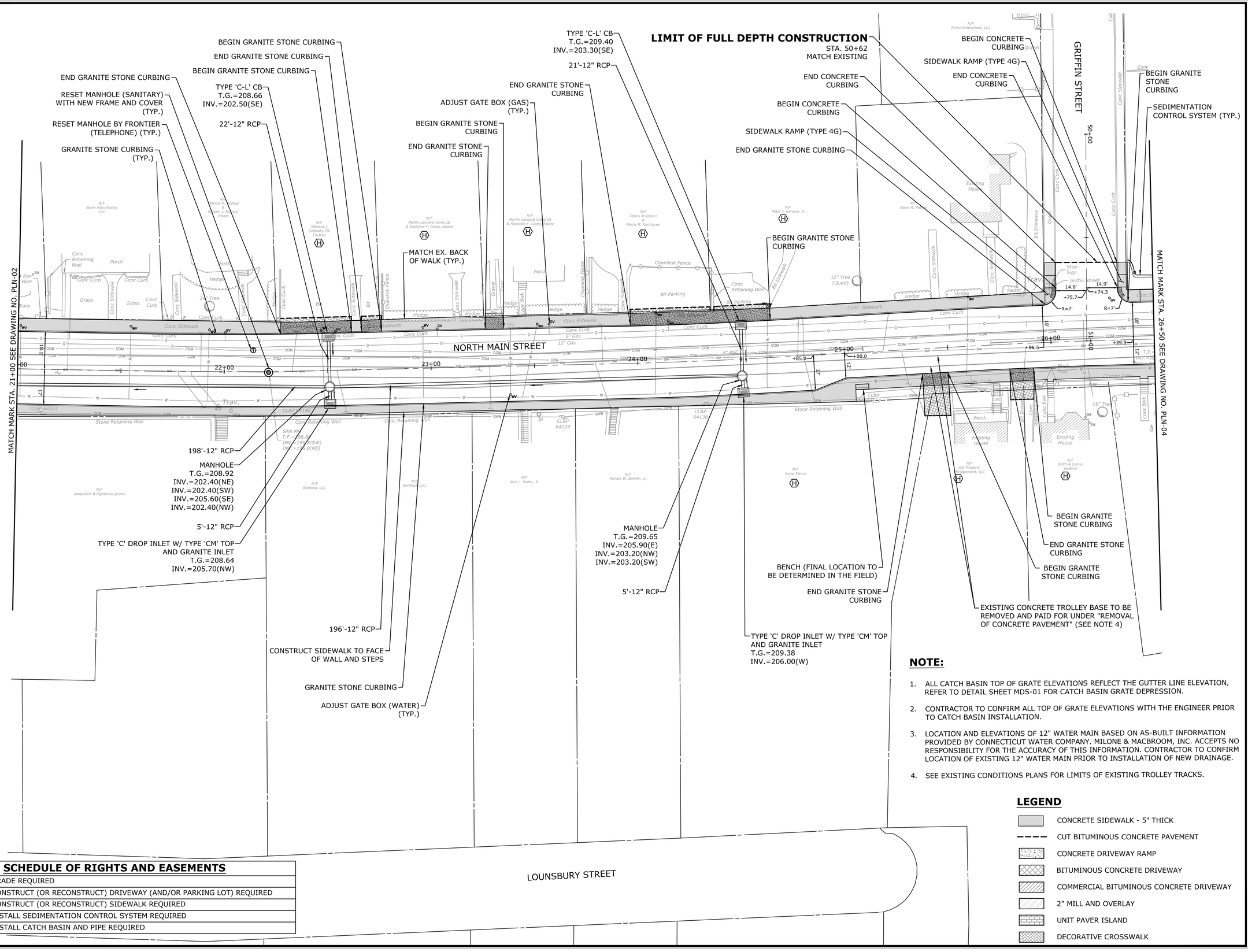

SCHEDULE OF RIGHTS AND EASEMENTS

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NOTE:

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2. CONTRACTOR TO CONFIRM ALL TOP OF GRATE ELEVATIONS WITH THE ENGINEER PRIOR TO CATCH BASIN INSTALLATION.
3. LOCATION AND ELEVATIONS OF 12" WATER MAIN BASED ON AS-BUILT INFORMATION PROVIDED BY CONNECTICUT WATER COMPANY. MILONE & MACBROOM, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR TO CONFIRM LOCATION OF EXISTING 12" WATER MAIN PRIOR TO INSTALLATION OF NEW DRAINAGE.
4. SEE EXISTING CONDITIONS PLANS FOR LIMITS OF EXISTING TROLLEY TRACKS.

LEGEND

- CONCRETE SIDEWALK - 5" THICK
- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
- BITUMINOUS CONCRETE DRIVEWAY
- COMMERCIAL BITUMINOUS CONCRETE DRIVEWAY
- 2" MILL AND OVERLAY
- UNIT PAVER ISLAND
- DECORATIVE CROSSWALK

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DESCRIPTION	DATE	BY

ROADWAY AND DRAINAGE PLANS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
SHEET NO.: PLN-03
DWG NO.: 17

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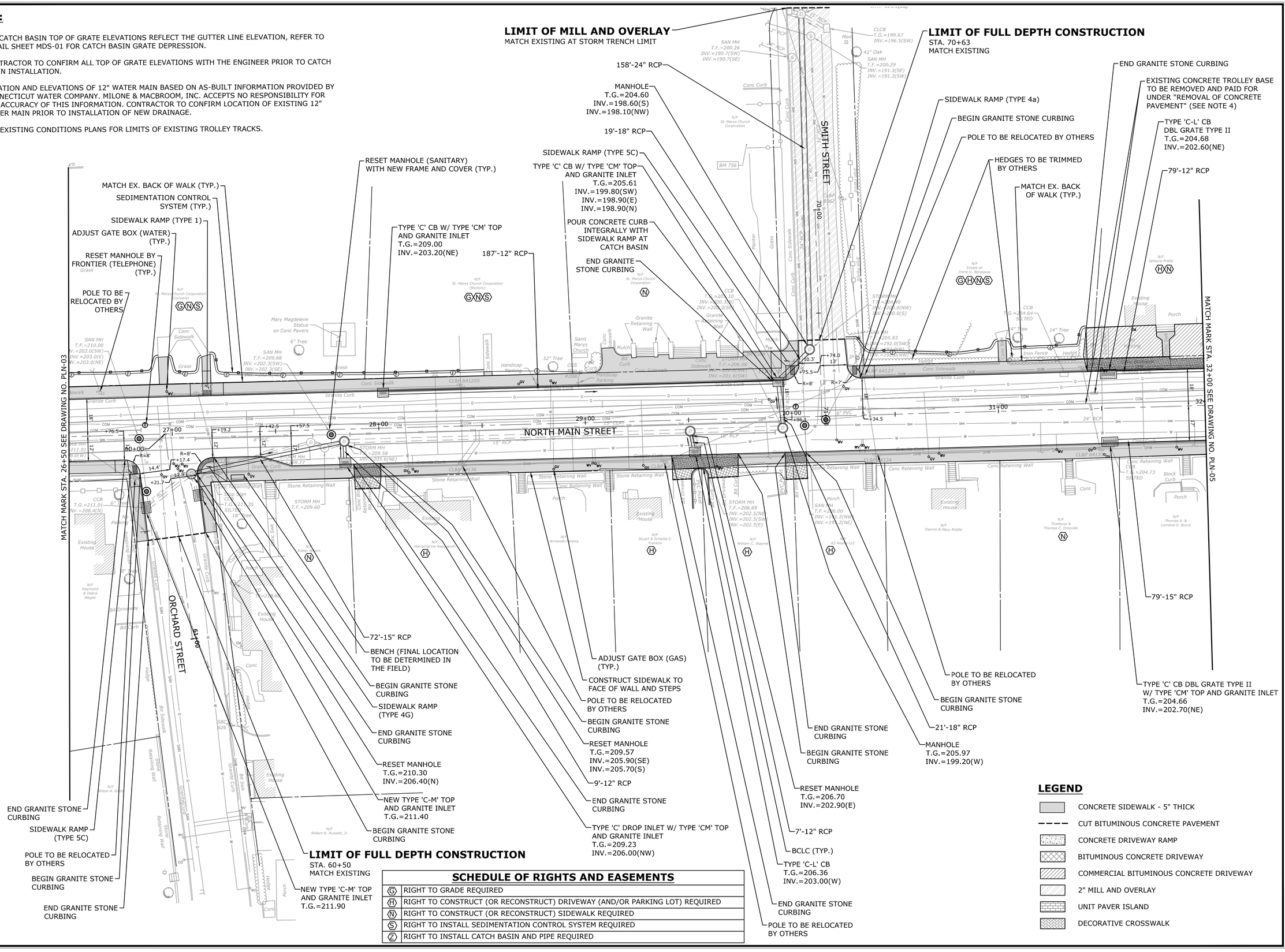
NOTE:

1. ALL CATCH BASIN TOP OF GRATE ELEVATIONS REFLECT THE GUTTER LINE ELEVATION, REFER TO DETAIL SHEET MDS-01 FOR CATCH BASIN GRATE DEPRESSION.
2. CONTRACTOR TO CONFIRM ALL TOP OF GRATE ELEVATIONS WITH THE ENGINEER PRIOR TO CATCH BASIN INSTALLATION.
3. LOCATION AND ELEVATIONS OF 12" WATER MAIN BASED ON AS-BUILT INFORMATION PROVIDED BY CONNECTICUT WATER COMPANY. MILONE & MACBROOM, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR TO CONFIRM LOCATION OF EXISTING 12" WATER MAIN PRIOR TO INSTALLATION OF NEW DRAINAGE.
4. SEE EXISTING CONDITIONS PLANS FOR LIMITS OF EXISTING TROLLEY TRACKS.



SCHEDULE OF RIGHTS AND EASEMENTS

(G)	RIGHT TO GRADE REQUIRED
(H)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY (AND/OR PARKING LOT) REQUIRED
(N)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK REQUIRED
(S)	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
(Z)	RIGHT TO INSTALL CATCH BASIN AND PIPE REQUIRED

LEGEND

- CONCRETE SIDEWALK - 5" THICK
- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
- BITUMINOUS CONCRETE DRIVEWAY
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DESCRIPTION	DATE	BY

ROADWAY AND DRAINAGE PLANS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS DESIGNED	TDS DRAWN	PD CHECKED

SCALE: 1"=20'
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
SHEET NO.: PLN-04

18
DWG NO.

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NOTE:

1. ALL CATCH BASIN TOP OF GRATE ELEVATIONS REFLECT THE GUTTER LINE ELEVATION, REFER TO DETAIL SHEET MDS-01 FOR CATCH BASIN GRATE DEPRESSION.
2. CONTRACTOR TO CONFIRM ALL TOP OF GRATE ELEVATIONS WITH THE ENGINEER PRIOR TO CATCH BASIN INSTALLATION.
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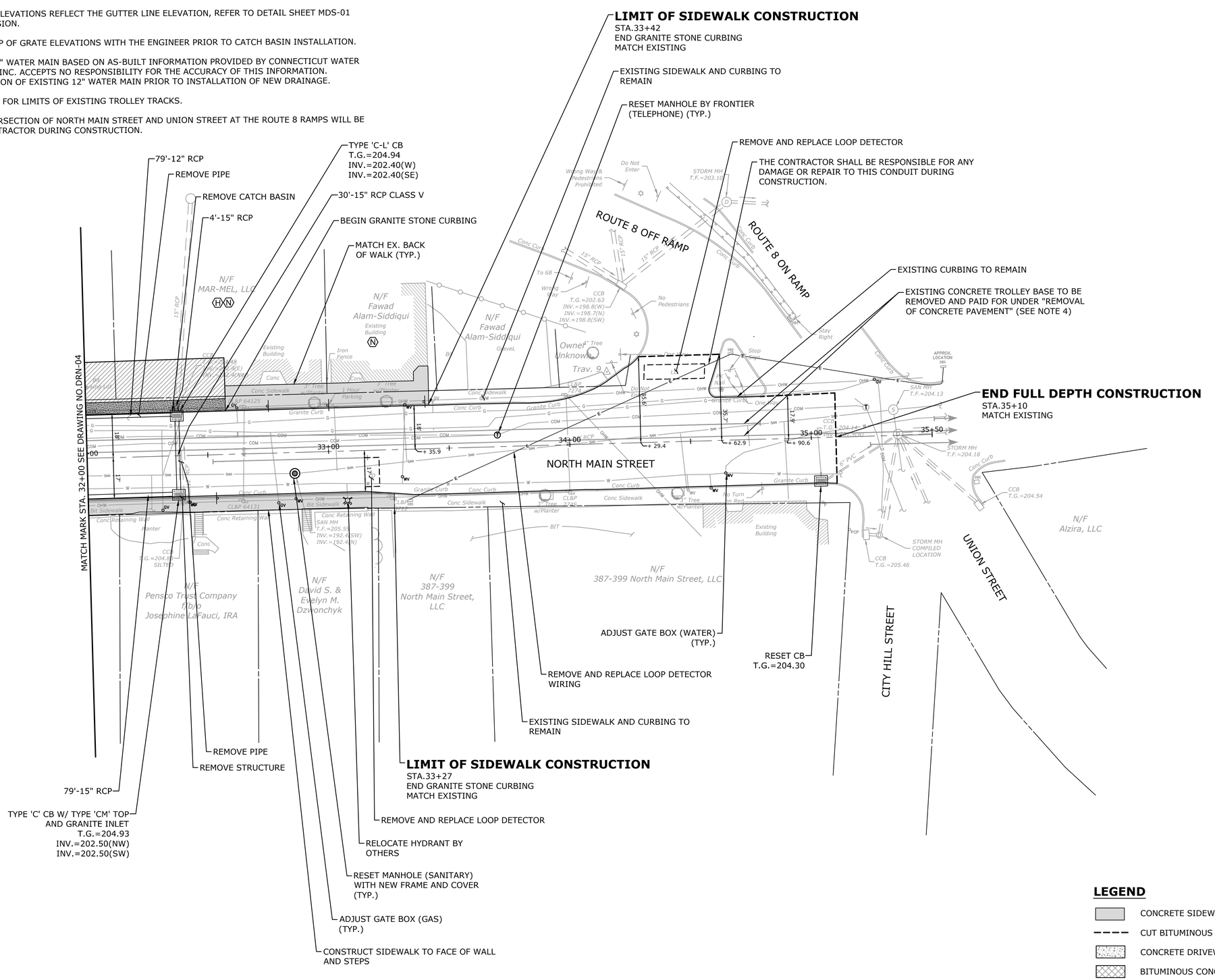
4. SEE EXISTING CONDITIONS PLANS FOR LIMITS OF EXISTING TROLLEY TRACKS.
5. THE TRAFFIC SIGNAL AT THE INTERSECTION OF NORTH MAIN STREET AND UNION STREET AT THE ROUTE 8 RAMPS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION.



SCHEDULE OF RIGHTS AND EASEMENTS

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LEGEND

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- CUT BITUMINOUS CONCRETE PAVEMENT
- CONCRETE DRIVEWAY RAMP
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DESCRIPTION	DATE	BY

ROADWAY AND DRAINAGE PLANS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
SHEET NO.: PLN-05
DWG NO.: 19

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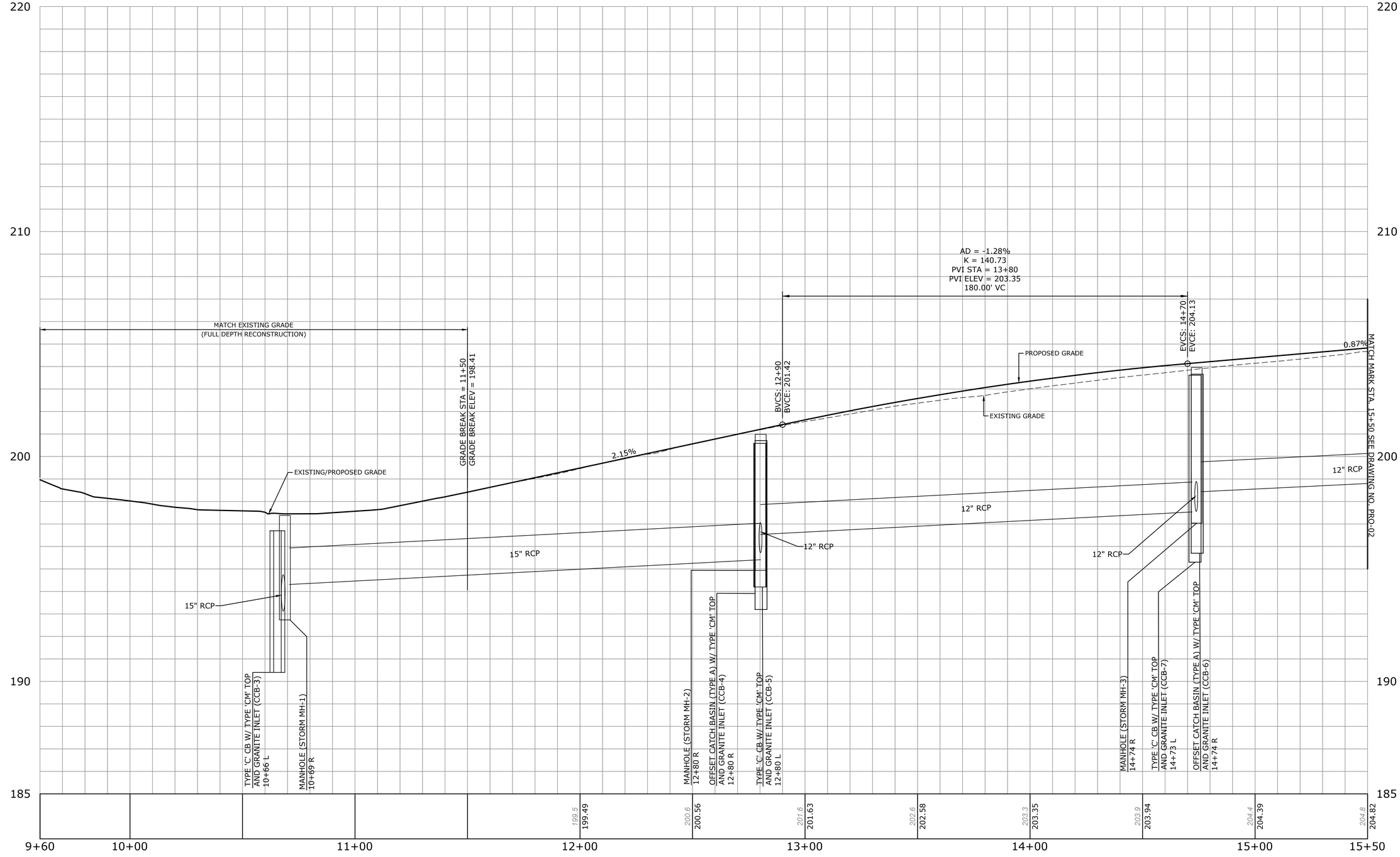

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DESCRIPTION	DATE	BY

ROADWAY PROFILES

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20' H, 1"=2 V

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

DRAWING NO.: PRO-01

SHEET NO.: 20

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Plotted: Jun 22, 2018 - 11:47am By: Sara Ha Dwg: N:\Projects\2129-34 Naugatuck Main Street\Drawings\Pro-02.dwg

220
210
200
190

MATCH MARK STA. 15+50 SEE DRAWING NO. PRO-01

GRADE BREAK STA = 16+20
GRADE BREAK ELEV = 205.43

PROPOSED GRADE

0.63%

EXISTING GRADE

GRADE BREAK STA = 21+50
GRADE BREAK ELEV = 208.78

MATCH MARK STA. 21+50 SEE DRAWING NO. PRO-03

12" RCP
12" RCP
12" RCP
18" RCP
15" RCP
12" RCP
12" RCP

MANHOLE (STORM MH-4)
17+00 R

TYPE 'C-L' GB (CCB-9)
17+00 L

OFFSET CATCH BASIN (TYPE A) W/ TYPE 'CM' TOP
AND GRANITE INLET (CCB-8)
17+00 R

MANHOLE (STORM MH-5)
18+92 R

OFFSET CATCH BASIN (TYPE A) W/ TYPE 'CM' TOP
AND GRANITE INLET (CCB-10)
18+93 R

MANHOLE (STORM MH-6)
20+51 R

OFFSET CATCH BASIN (TYPE A) W/ TYPE 'CM' TOP
AND GRANITE INLET (CCB-12)
20+51 R

TYPE 'C' CB W/ TYPE 'CM' TOP
AND GRANITE INLET (CCB-13)
20+51 L

204.8	205.3	205.6	205.9	206.3	206.6	206.9	207.2	207.5	207.8	208.1	208.5	208.8
204.82	205.26	205.62	205.94	206.25	206.57	206.88	207.20	207.52	207.83	208.15	208.46	208.78

15+50 16+00 17+00 18+00 19+00 20+00 21+00 21+50

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DESCRIPTION	DATE	BY

ROADWAY PROFILES

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS DESIGNED	TDS DRAWN	PD CHECKED

SCALE: 1"=20' H
1"=2 V

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

DRAWING NO.: PRO-02

SHEET NO.: 21

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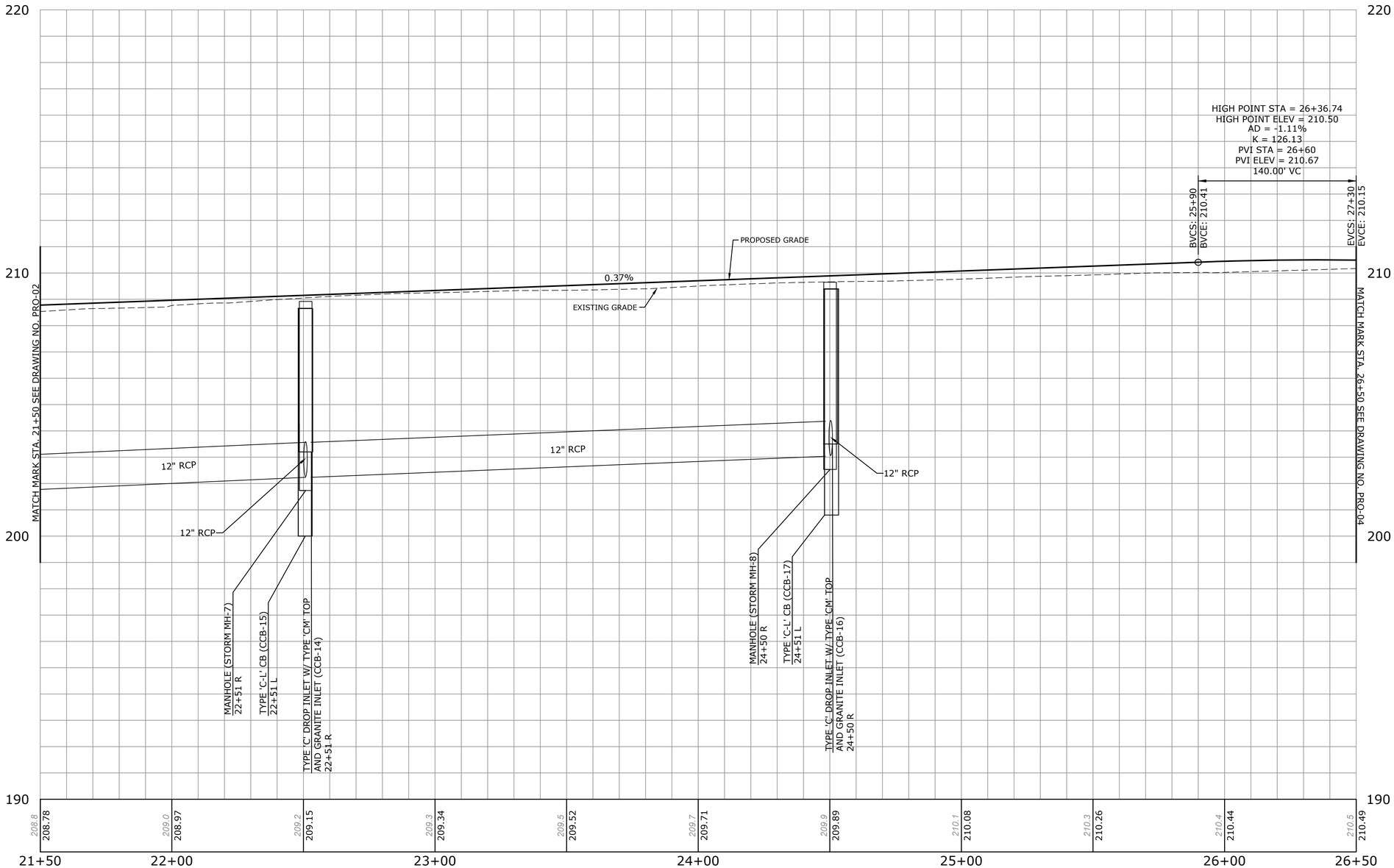

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DESCRIPTION	DATE	BY

ROADWAY PROFILES

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	1"=20' H 1"=2 V
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
DRAWING NO.	PRO-03
SHEET NO.	22

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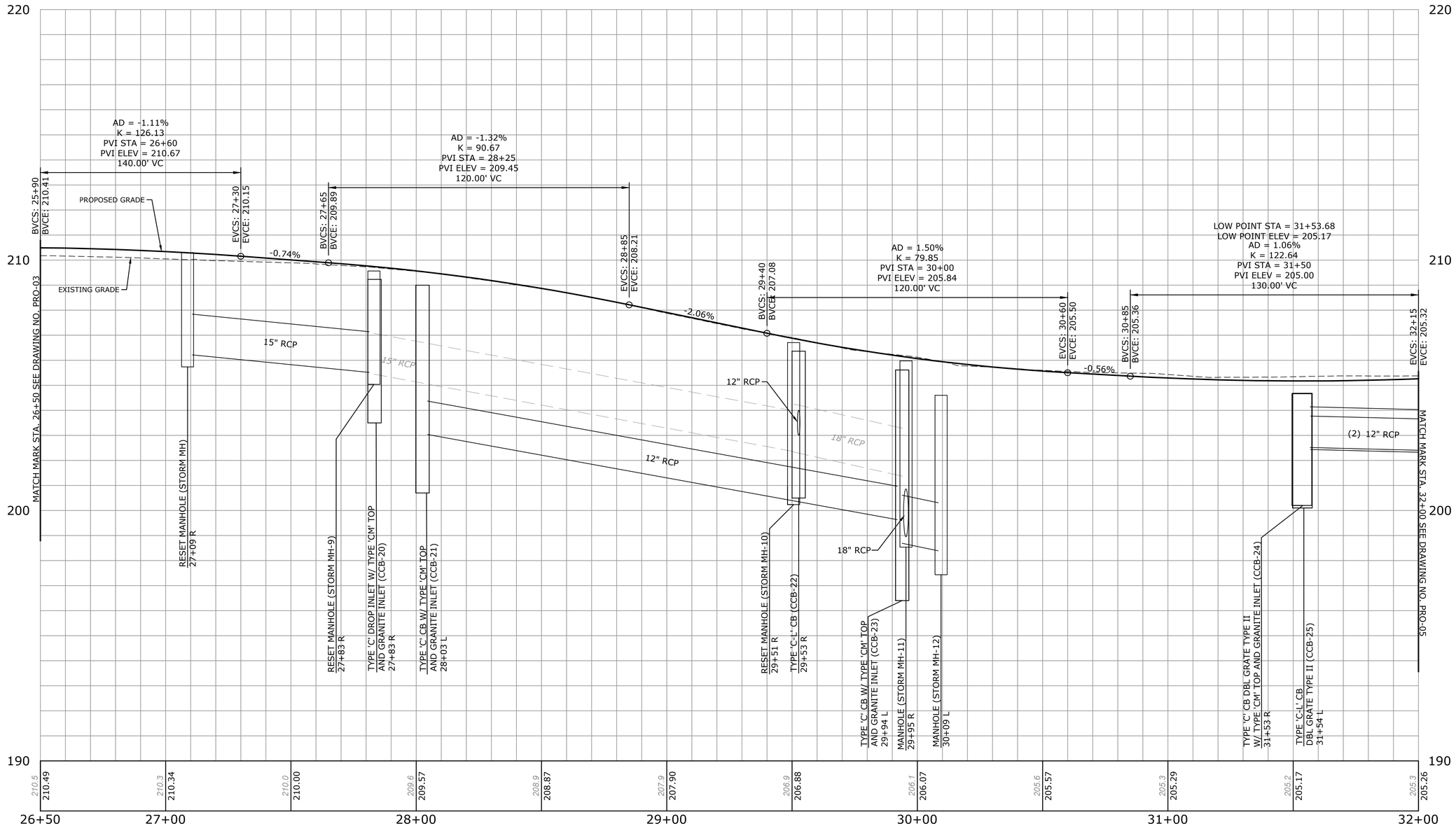

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DESCRIPTION	DATE	BY

ROADWAY PROFILES

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=20' H, 1"=2 V

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

DRAWING NO.: PRO-04

SHEET NO.: 23

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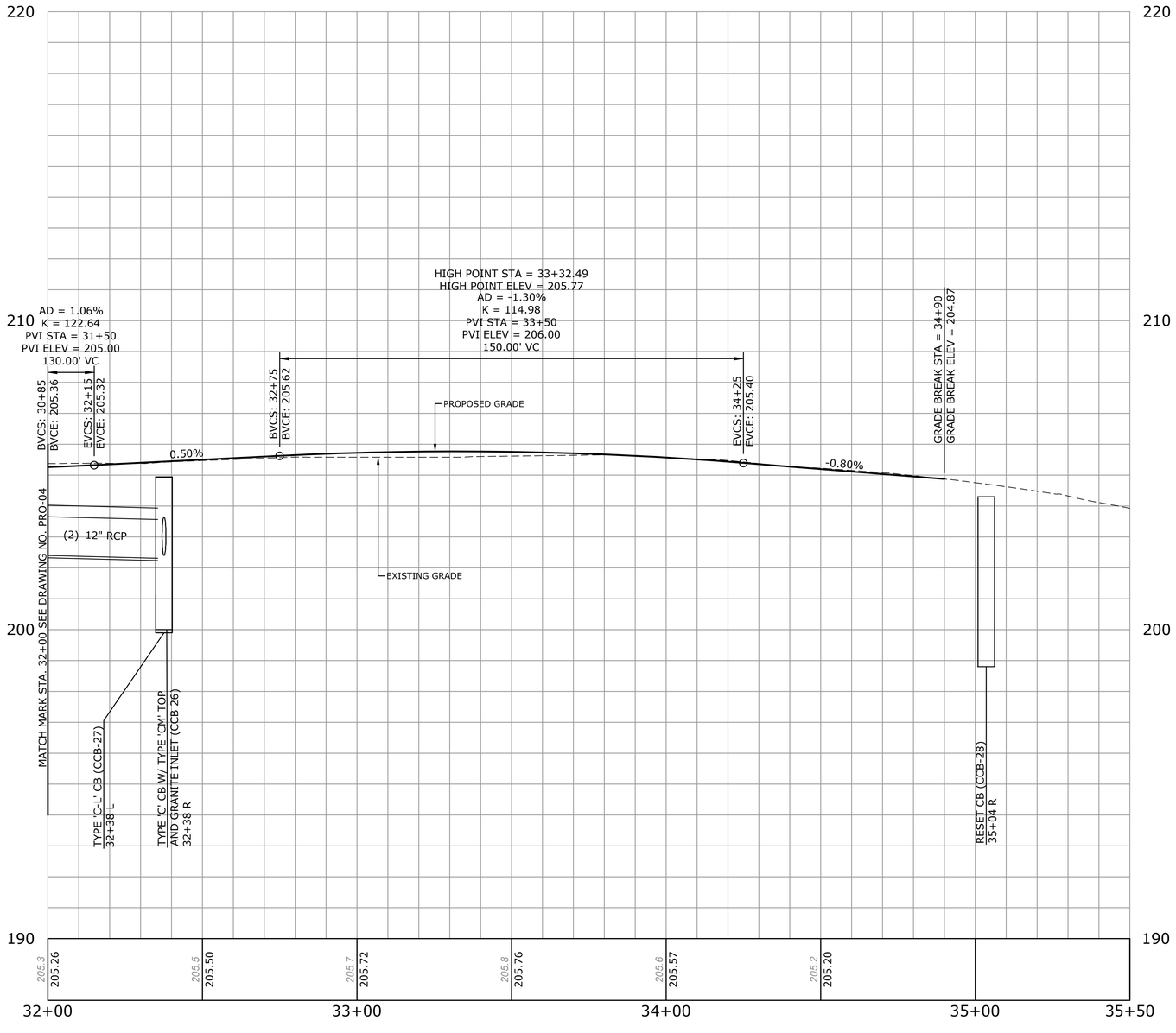

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DESCRIPTION	DATE	BY

ROADWAY PROFILES

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=20' H, 1"=2 V

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

DRAWING NO.: PRO-05

SHEET NO.: 24

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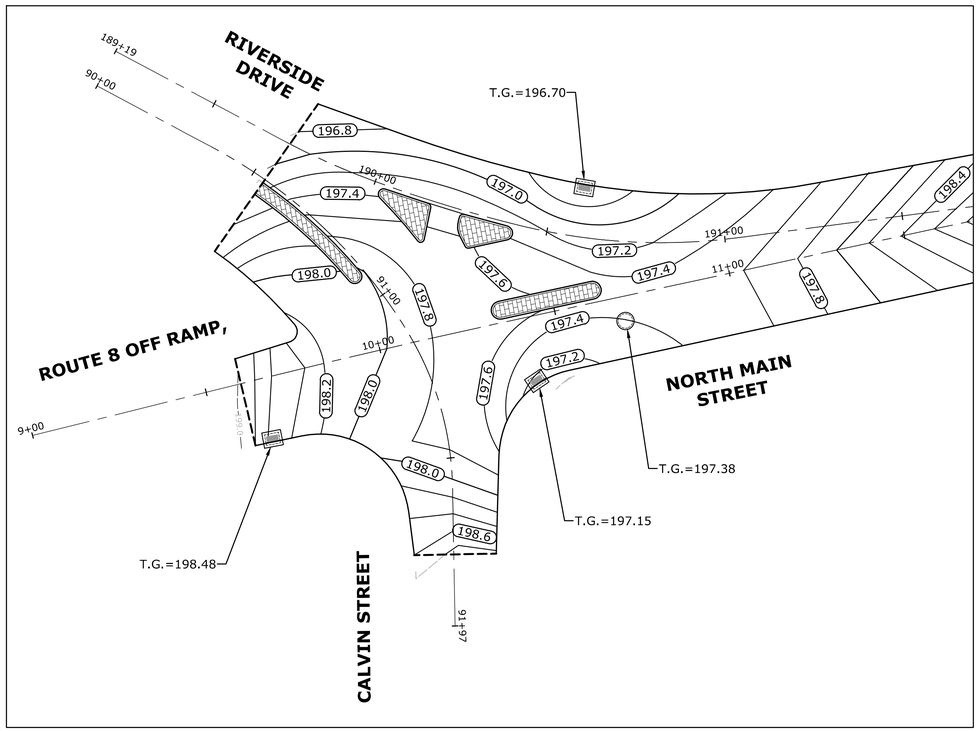
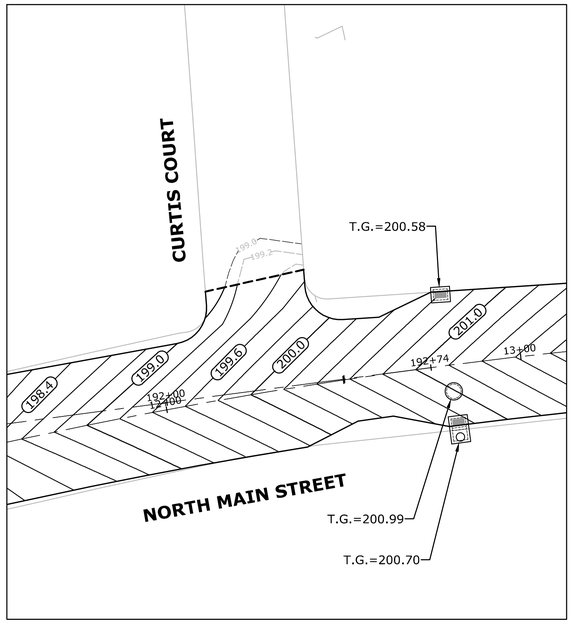
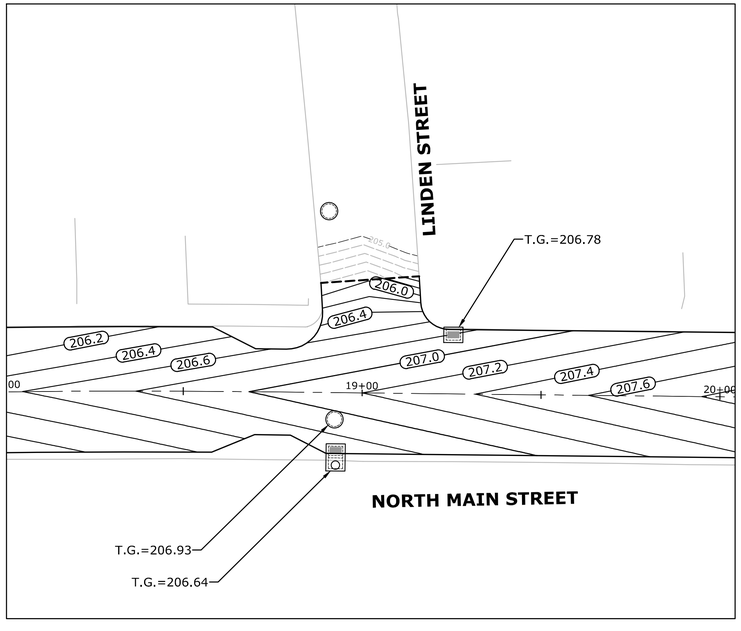


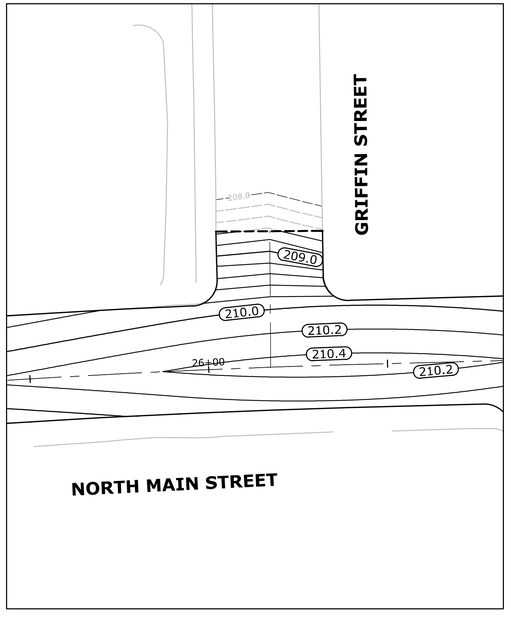
ROUTE 8 OFF RAMP, RIVERSIDE DRIVE, CALVIN STREET AND NORTH MAIN STREET



CURTIS COURT AND NORTH MAIN STREET



LINDEN STREET AND NORTH MAIN STREET



GRIFFIN STREET AND NORTH MAIN STREET

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DESCRIPTION	DATE	BY

INTERSECTION GRADING PLANS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
DRAWING NO.: GRA-1
SHEET NO.: 25

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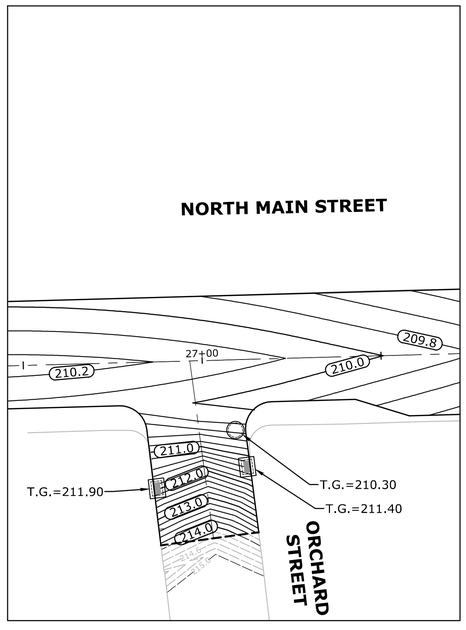
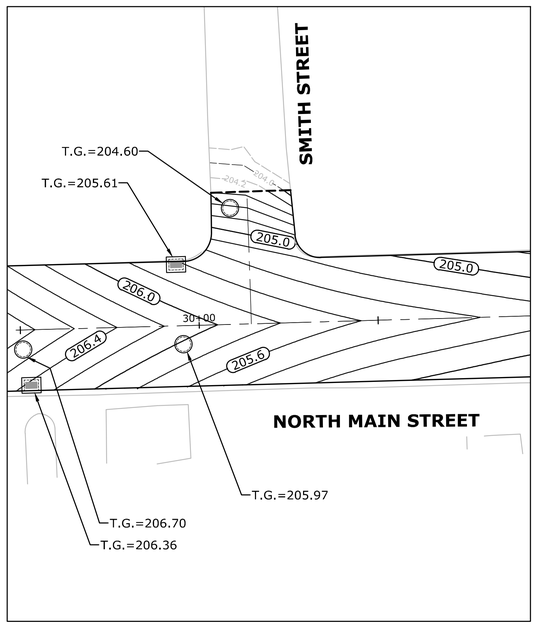
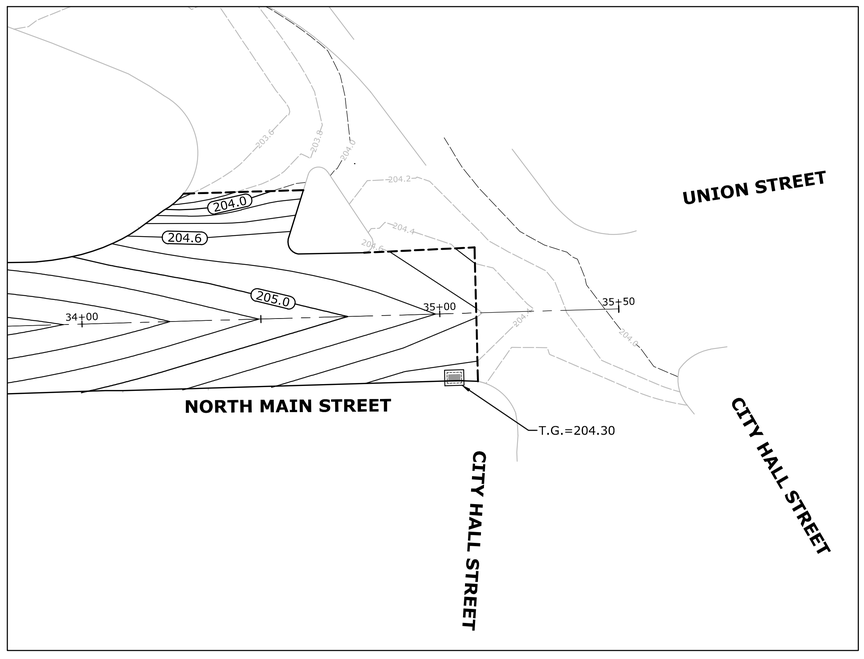


ORCHARD STREET AND NORTH MAIN STREET



SMITH STREET AND NORTH MAIN STREET



SMITH STREET AND NORTH MAIN STREET

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DESCRIPTION	DATE	BY

INTERSECTION GRADING PLANS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

DRAWING NO.: GRA-2

SHEET NO.: 26

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PAVEMENT MARKING NOTES

1. ALL NEW PAVEMENT MARKINGS TO BE EPOXY RESIN.
2. PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SPECIAL DETAILS AND TYPICAL MARKINGS FOR TWO-WAY HIGHWAYS" EXCEPT AS OTHERWISE DIMENSIONED OR NOTED ON THE PLANS.
3. ALL PAVEMENT MARKINGS ON TOWN ROADS SHALL BE MAINTAINED BY THE BOROUGH OF NAUGATUCK. THE STATE SHALL MAINTAIN ALL PAVEMENT MARKINGS ON STATE ROADS AND ALL STOP BARS AT THE SIGNALIZED INTERSECTION OF UNION STREET AT NORTH MAIN STREET AND ON THE ROUTE 8 RAMPS.

SIGNING NOTES

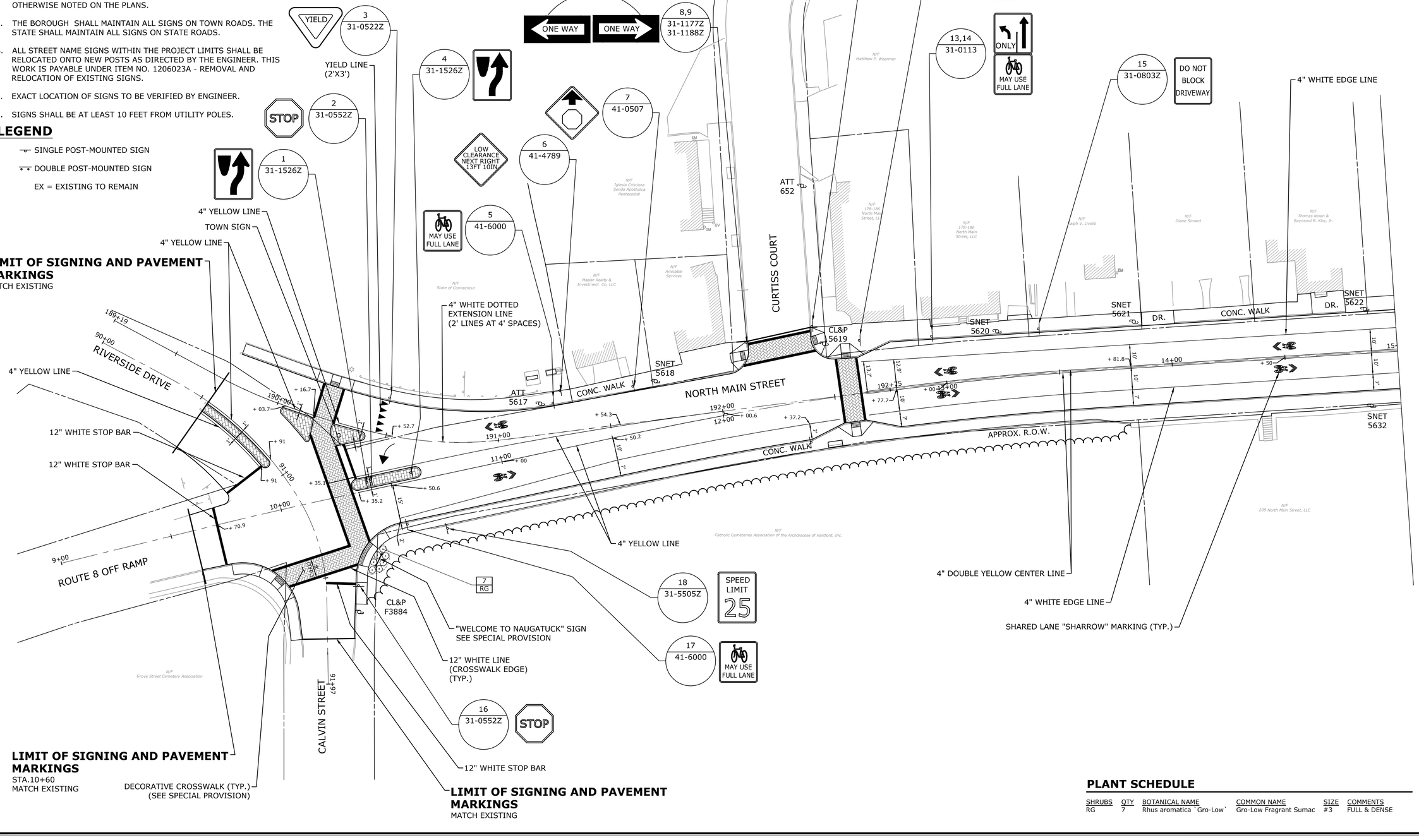
1. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
2. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN, AND METAL SIGN POSTS AND SIGN MOUNTING DETAILS" EXCEPT AS OTHERWISE NOTED ON THE PLANS.
3. THE BOROUGH SHALL MAINTAIN ALL SIGNS ON TOWN ROADS. THE STATE SHALL MAINTAIN ALL SIGNS ON STATE ROADS.
4. ALL STREET NAME SIGNS WITHIN THE PROJECT LIMITS SHALL BE RELOCATED ONTO NEW POSTS AS DIRECTED BY THE ENGINEER. THIS WORK IS PAYABLE UNDER ITEM NO. 1206023A - REMOVAL AND RELOCATION OF EXISTING SIGNS.
5. EXACT LOCATION OF SIGNS TO BE VERIFIED BY ENGINEER.
6. SIGNS SHALL BE AT LEAST 10 FEET FROM UTILITY POLES.

LEGEND

- SINGLE POST-MOUNTED SIGN
- DOUBLE POST-MOUNTED SIGN
- EX = EXISTING TO REMAIN

PLANTING NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
2. THE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF SHREDDED BARK MULCH OVER ALL PLANTING BEDS. MULCHED PLANT BEDS SHALL EXTEND 12" FURTHER THAN THE ADJACENT PLANTINGS.
3. ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO AND AFTER PLANTING.
4. ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE IN AN UNHEALTHY CONDITION BY THE LANDSCAPE ARCHITECT. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST.



PLANT SCHEDULE

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
RG	7	Rhus aromatica `Gro-Low`	Gro-Low Fragrant Sumac	#3	FULL & DENSE

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DESCRIPTION	DATE	BY

SIGNING AND PAVEMENT MARKING PLANS & DETAILS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
SHEET NO.: SPM-01

DWG NO.: 27

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PAVEMENT MARKING NOTES

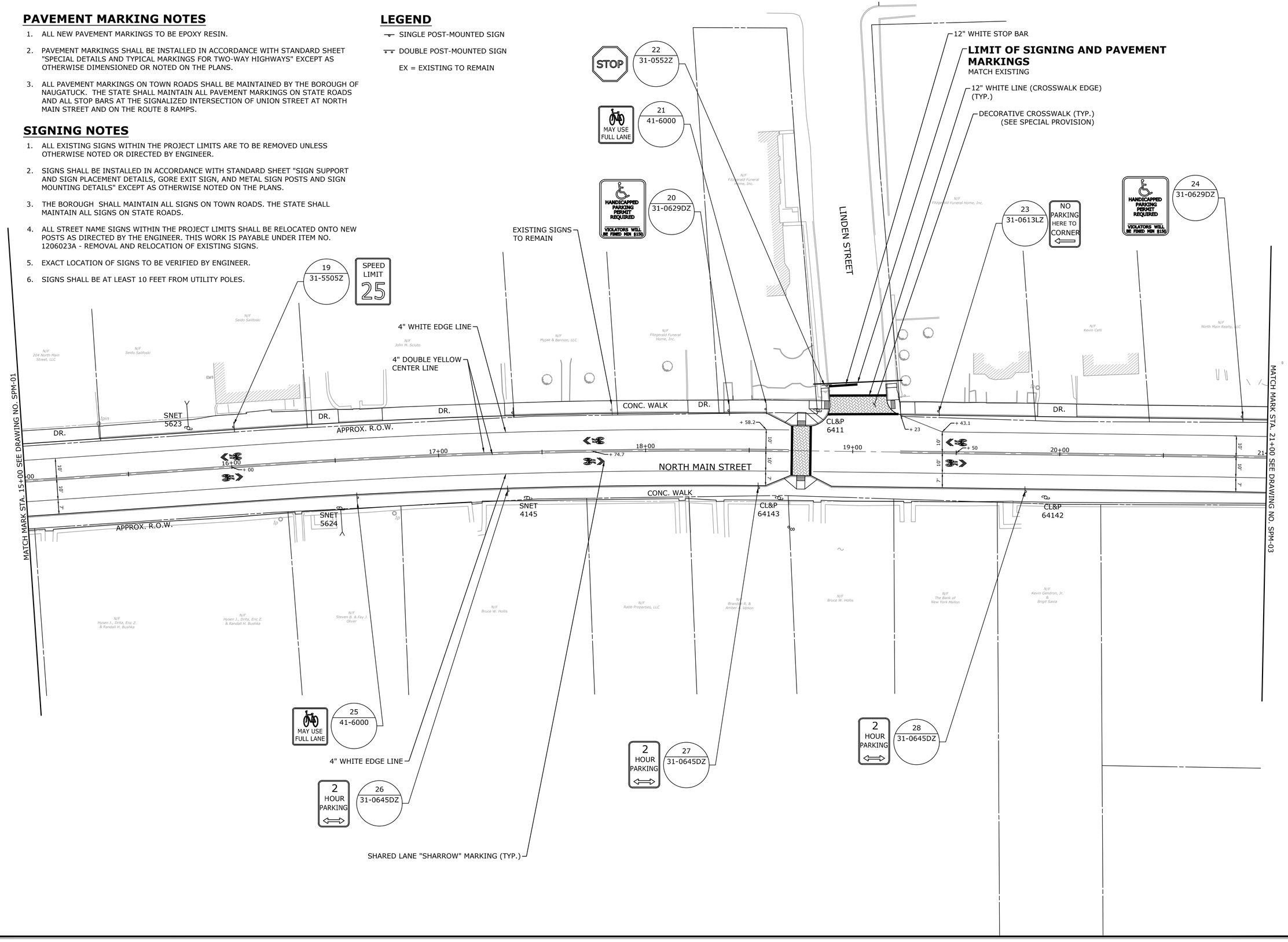
1. ALL NEW PAVEMENT MARKINGS TO BE EPOXY RESIN.
2. PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SPECIAL DETAILS AND TYPICAL MARKINGS FOR TWO-WAY HIGHWAYS" EXCEPT AS OTHERWISE DIMENSIONED OR NOTED ON THE PLANS.
3. ALL PAVEMENT MARKINGS ON TOWN ROADS SHALL BE MAINTAINED BY THE BOROUGH OF NAUGATUCK. THE STATE SHALL MAINTAIN ALL PAVEMENT MARKINGS ON STATE ROADS AND ALL STOP BARS AT THE SIGNALIZED INTERSECTION OF UNION STREET AT NORTH MAIN STREET AND ON THE ROUTE 8 RAMPS.

SIGNING NOTES

1. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
2. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN, AND METAL SIGN POSTS AND SIGN MOUNTING DETAILS" EXCEPT AS OTHERWISE NOTED ON THE PLANS.
3. THE BOROUGH SHALL MAINTAIN ALL SIGNS ON TOWN ROADS. THE STATE SHALL MAINTAIN ALL SIGNS ON STATE ROADS.
4. ALL STREET NAME SIGNS WITHIN THE PROJECT LIMITS SHALL BE RELOCATED ONTO NEW POSTS AS DIRECTED BY THE ENGINEER. THIS WORK IS PAYABLE UNDER ITEM NO. 1206023A - REMOVAL AND RELOCATION OF EXISTING SIGNS.
5. EXACT LOCATION OF SIGNS TO BE VERIFIED BY ENGINEER.
6. SIGNS SHALL BE AT LEAST 10 FEET FROM UTILITY POLES.

LEGEND

- SINGLE POST-MOUNTED SIGN
- DOUBLE POST-MOUNTED SIGN
- EX = EXISTING TO REMAIN



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DESCRIPTION	DATE	BY

SIGNING AND PAVEMENT MARKING PLANS & DETAILS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: SPM-02

DWG NO.: 28

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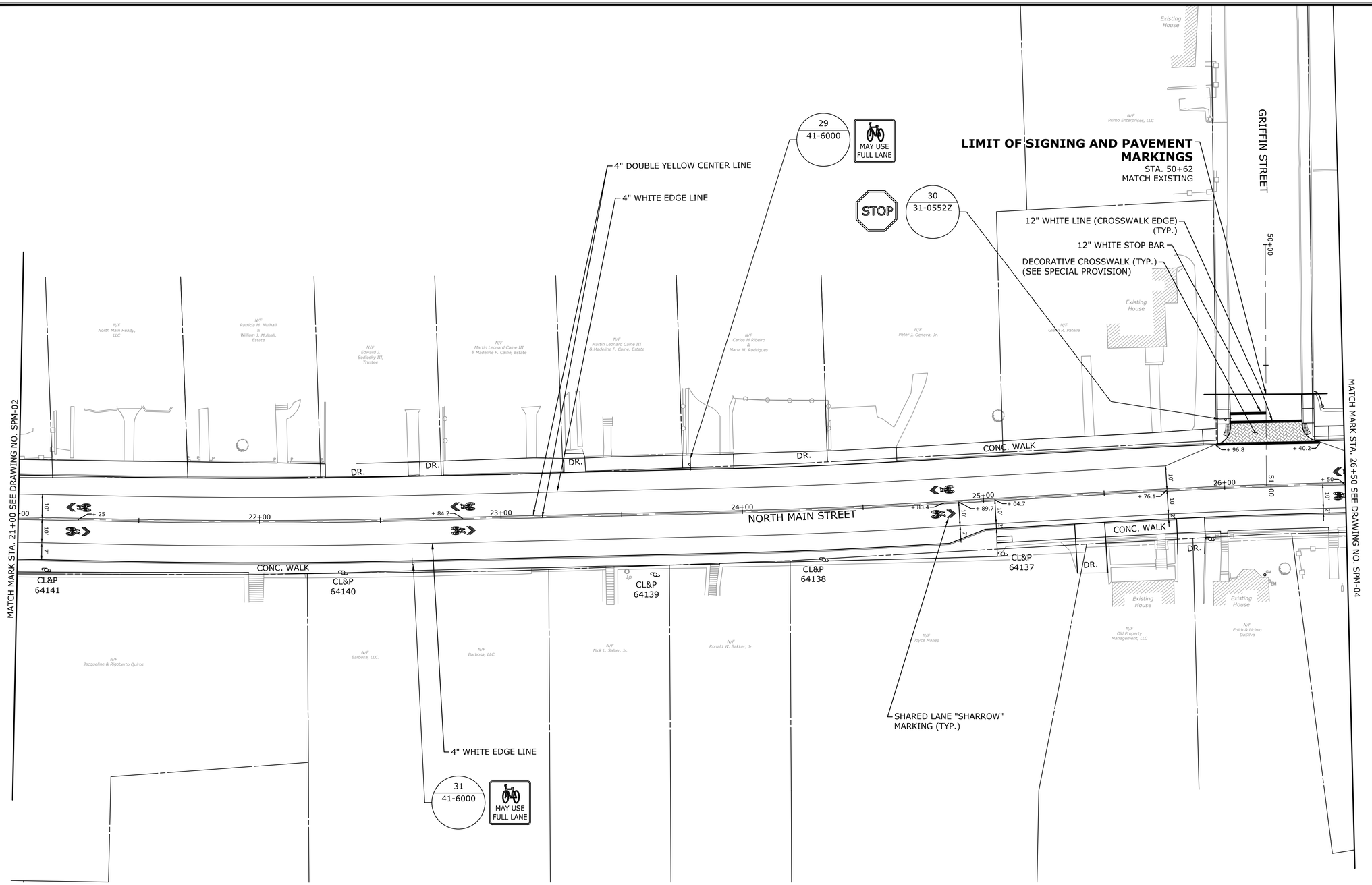

PAVEMENT MARKING NOTES

1. ALL NEW PAVEMENT MARKINGS TO BE EPOXY RESIN.
2. PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SPECIAL DETAILS AND TYPICAL MARKINGS FOR TWO-WAY HIGHWAYS" EXCEPT AS OTHERWISE DIMENSIONED OR NOTED ON THE PLANS.
3. ALL PAVEMENT MARKINGS ON TOWN ROADS SHALL BE MAINTAINED BY THE BOROUGH OF NAUGATUCK. THE STATE SHALL MAINTAIN ALL PAVEMENT MARKINGS ON STATE ROADS AND ALL STOP BARS AT THE SIGNALIZED INTERSECTION OF UNION STREET AT NORTH MAIN STREET AND ON THE ROUTE 8 RAMPS.

SIGNING NOTES

1. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
2. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET "SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN, AND METAL SIGN POSTS AND SIGN MOUNTING DETAILS" EXCEPT AS OTHERWISE NOTED ON THE PLANS.
3. THE BOROUGH SHALL MAINTAIN ALL SIGNS ON TOWN ROADS. THE STATE SHALL MAINTAIN ALL SIGNS ON STATE ROADS.
4. ALL STREET NAME SIGNS WITHIN THE PROJECT LIMITS SHALL BE RELOCATED ONTO NEW POSTS AS DIRECTED BY THE ENGINEER. THIS WORK IS PAYABLE UNDER ITEM NO. 1206023A - REMOVAL AND RELOCATION OF EXISTING SIGNS.
5. EXACT LOCATION OF SIGNS TO BE VERIFIED BY ENGINEER.
6. SIGNS SHALL BE AT LEAST 10 FEET FROM UTILITY POLES.

LEGEND

- SINGLE POST-MOUNTED SIGN
- DOUBLE POST-MOUNTED SIGN

EX = EXISTING TO REMAIN

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DESCRIPTION	DATE	BY

SIGNING AND PAVEMENT MARKING PLANS & DETAILS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	1"=20'
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
SHEET NO.	SPM-03
DWG NO.	29

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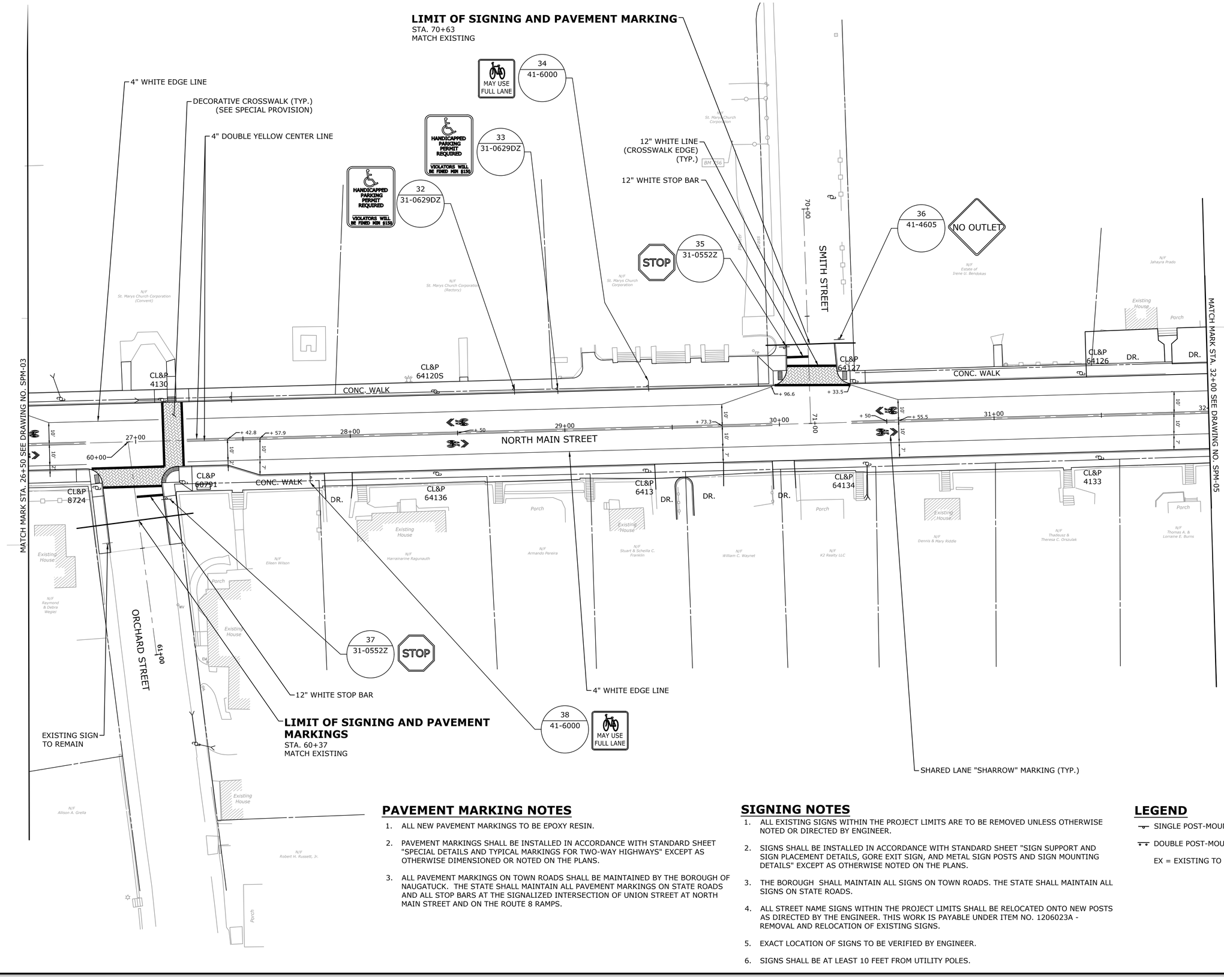

PAVEMENT MARKING NOTES

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SIGNING AND PAVEMENT MARKING PLANS & DETAILS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: SPM-04

DWG NO.: 30

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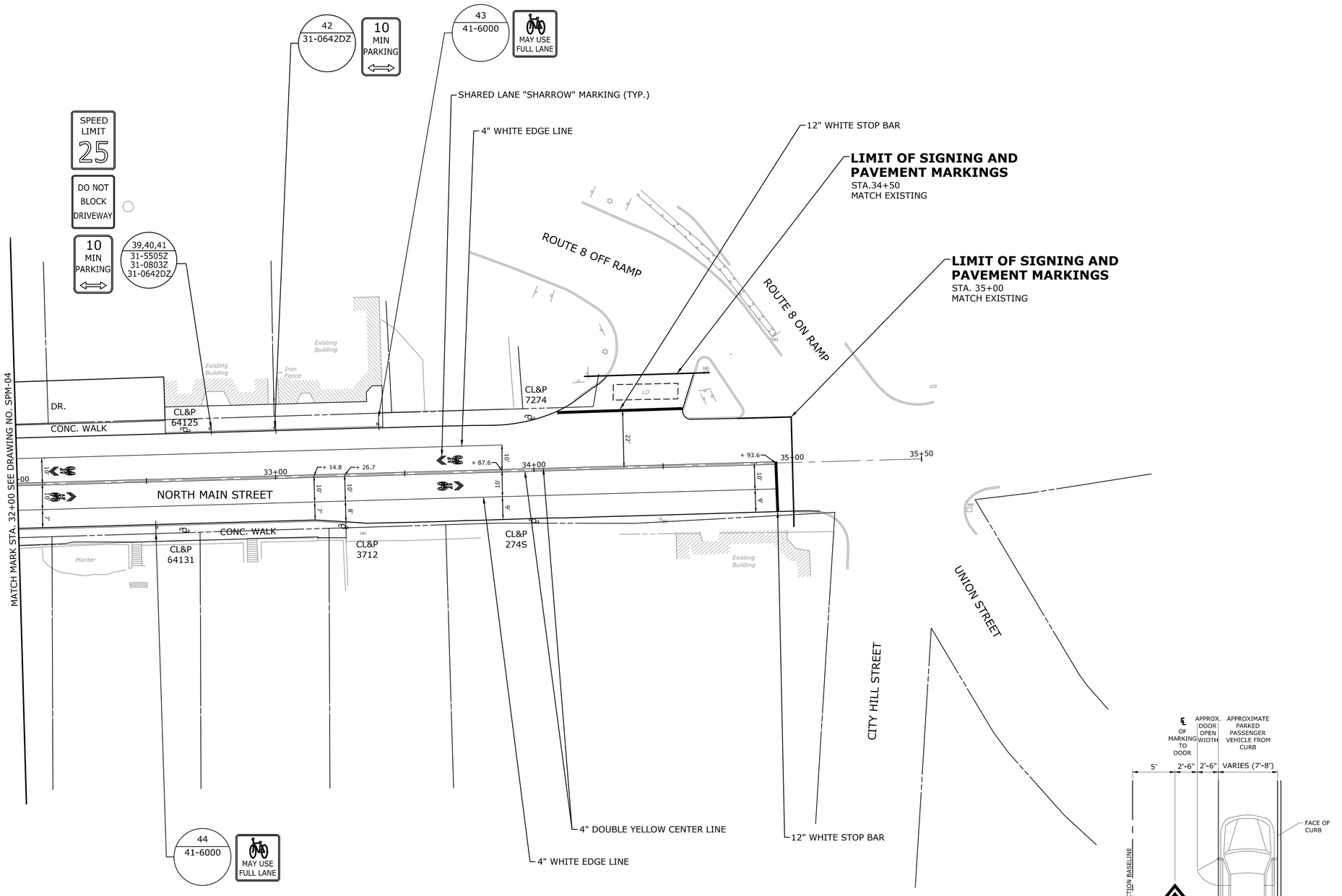

PAVEMENT MARKING NOTES

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SIGNING NOTES

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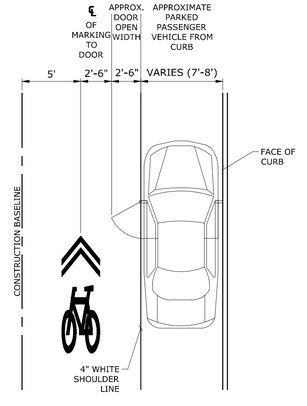

SHARED LANE MARKING GUIDELINES:
1. SHARROW SHOULD BE PLACED RIGHT AFTER AN INTERSECTION, 25 FEET BEYOND THE PEDESTRIAN CROSSING.

SHARED LANE MARKING LAYOUT DETAIL

SCALE: ¼" = 1'-0"

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NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NO.: SPM-05

DWG NO.: 31

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R1 - SERIES

R1-1 *

LEGEND - WHITE
BACKGROUND - RED

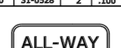
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.31	24	31-0536	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100
20.00	48X60	31-5507	2B	.100

R1-2 *

LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.90	36	31-0523	1	.080
6.77	48	31-0522	2	.100
10.83	60	31-0528	2	.100

R1-3 *



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2B	.100

R2-4a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32	48X96	31-5510	2	.125

R3 - SERIES

R3-1

31-1604 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604		.080
6.25	30X30	31-1617	1	.080
5.00	30X24	31-1618		.080
9.00	36X36	31-1627	2	.080
7.50	36X30	31-1628		.080

R3-2

31-1603 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603		.080
6.25	30X30	31-1619	1	.080
5.00	30X24	31-1620		.080
9.00	36X36	31-1629	2	.080
7.50	36X30	31-1630		.080

R3-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0135L	1	.080
4.00	24X24	31-0138R	1	.080
7.50	30X36	31-0183L	1	.080
7.50	30X36	31-0184R	1	.080

R3-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0157L	1	.080
7.50	30X36	31-0158R	1	.080

R3-7L

R3-7R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117L	1	.080
6.25	30X30	31-0118R	1	.080
9.00	36X36	31-0120L	2	.080
9.00	36X36	31-0123R	2	.080

R3-48

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0262L	1	.080
6.25	30X30	31-0261R	1	.080

R3-8b

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-0121L	2	.100
20.00	48X60	31-0122R	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

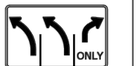
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-0290	1	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100



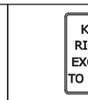
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100

R4 - SERIES

R4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1504	2	.100

R4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2	.100

R4-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2	.100

R5 - SERIES

R5-1 *

LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100

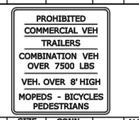
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-1a

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1790	1	.080
20.00	48X60	31-1792	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.00	54X72	31-1719	2	.125

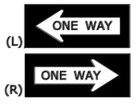
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1702	1	.080

R5-10c

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R6 - SERIES

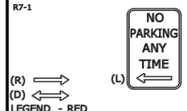
R6-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188L	1	.080
3.00	36X12	31-1177R	1	.080
6.75	54X18	31-1189L	2	.100
6.75	54X18	31-1178R	2	.100

R7 - SERIES

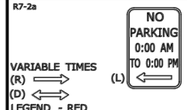
R7-1



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

R9 - SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.50	66X60	31-1733	2	.125

R10 - SERIES

R10-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-11b

OVERHEAD MOUNTED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0823		.080
9.00	36X36	31-0816	2	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080
20.00	48X60	31-0849	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0803	1	.080
12.00	36X48	31-0804	2	.100

R10-10L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0842		.080
7.50	30X36	31-0852	1	.080

R10-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080
12.00	36X48	31-0807	2	.100

R10-11a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R11 - SERIES

R11-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2	.100

RETROREFLECTIVE STRIP

*

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X36	31-5003	1	.080
2.00	4X72	31-5004	1	.080
2.67	4X96	31-5005	1	.080

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. 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.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS SHALL BE 4 LBS./FT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE (SILVER) - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.
** THIS SIGN ADDED FOR THIS PROJECT ONLY.

MILONE & MACBROOM®
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

DESCRIPTION	DATE	BY

SIGNING AND PAVEMENT MARKING PLANS & DETAILS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

LM	LM	PD
DESIGNED	DRAWN	CHECKED

N.T.S.
SCALE

JUNE 22, 2018
DATE

2129-34
PROJECT NO.

SPM-06
SHEET NAME

32
SHEET NO.

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S - SERIES

S1-1 *

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	36	41-2112	1	.080
12.00	48	41-2113	2	.100

W1 - SERIES

W1-1L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080
16.00	48	41-4056	2	.100

W1-1R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4005	1	.080
9.00	36	41-4160	1	.080
16.00	48	41-4055	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4141L	1	.080
9.00	36	41-4140R	1	.080
16.00	48	41-4062L	2	.100
16.00	48	41-4061R	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4028	1	.080
9.00	36	41-4084	1	.080
16.00	48	41-4068	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4027	1	.080
9.00	36	41-4083	1	.080
16.00	48	41-4067	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.0	36	41-4139L	1	.080
9.0	36	41-4040R	1	.080
16.00	48	41-4088L	2	.100
16.00	48	41-4087R	2	.100

W1-6

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4222	2	.100
12.50	60X30	41-4224	2	.100

W1-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4207	2	.100
12.50	60X30	41-4208	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4128L	1	.080
9.00	36	41-4127R	1	.080
16.00	48	41-4058L	2	.100
16.00	48	41-4057R	2	.100

W1-8

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-4250	1	.080
5.00	24X30	41-4203	1	.080
7.50	30X36	41-4204	1	.080
12.00	36X48	41-4251	2	.080

W1-8 *

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	41-4210	1	.080
7.50	30X36	41-4211	1	.080

W1-10

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4085L	1	.080
9.00	36	41-4043R	1	.080
16.00	48	41-4090L	2	.100
16.00	48	41-4089R	2	.100

W2 - SERIES

W2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4226	1	.080
9.00	36	41-4236	1	.080
16.00	48	41-4246	2	.100

W2-2

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4225	1	.080
9.00	36	41-4235	1	.080
16.00	48	41-4245	2	.100

W2-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4220L	1	.080
6.25	30	41-4219R	1	.080
9.00	36	41-4253L	1	.080
9.00	36	41-4252R	1	.080
16.00	48	41-4244L	2	.100
16.00	48	41-4243R	2	.100

W2-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4217	1	.080
9.00	36	41-4255	1	.080
16.00	48	41-4247	2	.100

W3 - SERIES

W3-1

OCTAGON - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0501	1	.080
9.00	36	41-0502	1	.080
16.00	48	41-0503	2	.100

W3-2

TRIANGLE - RED & WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
9.00	36	41-0505	2	.100
16.00	48	41-0506	2	.100

W3-3

SYMBOL & LEGEND - BLACK
BACKGROUND - YELLOW
TOP CIRCLE - RED
BOTTOM CIRCLE - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0835	1	.080
9.00	36	41-0836	1	.080
16.00	48	41-0848	2	.100
25.00	60	41-0860	2	.125

W/ FLASHERS

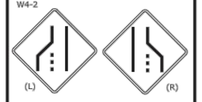
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
25.00	60	41-0534	2	.125

W4 - SERIES

W4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448L	1	.080
9.00	36	41-4449R	1	.080
16.00	48	41-4452L	2	.100
16.00	48	41-4459R	2	.100

W4-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442L	1	.080
9.00	36	41-4441R	1	.080
16.00	48	41-4446L	2	.100
16.00	48	41-4447R	2	.100

W4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4468L	1	.080
9.00	36	41-4470R	1	.080
16.00	48	41-4435L	2	.100
16.00	48	41-4434R	2	.100

W5 - SERIES

W5-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1

W6-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4335	1	.080
16.00	48	41-4330	2	.100

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4329	1	.080
16.00	48	41-4331	2	.100

W7 - SERIES

W7-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4506	1	.080
9.00	36	41-4530	1	.080
16.00	48	41-4508	2	.100

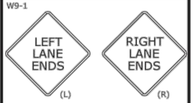
W8 - SERIES

W8-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4519	1	.080
9.00	36	41-4520	1	.080
16.00	48	41-4521	2	.100

W9 - SERIES

W9-1

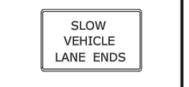


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4443L	1	.080
9.00	36	41-4440R	1	.080
16.00	48	41-4444L	2	.100
16.00	48	41-4445R	2	.100

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4454L	1	.080
9.00	36	41-4453R	1	.080
16.00	48	41-4456L	2	.100
16.00	48	41-4455R	2	.100

W9-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
22.00	66X48	41-1510	2	.125

W10 - SERIES

W10-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.07	36	41-2201	1	.080

W11 - SERIES

W11-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4810	1	.080
9.00	36	41-4811	1	.080
16.00	48	41-4812	2	.100

W11-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4680	1	.080
9.00	36	41-4681	1	.080
16.00	48	41-4692	2	.100

W12 - SERIES

W12-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080
16.00	48	41-4214	2	.100

W12-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	41-4729L		.080
7.50	36X30	41-4728R		.080

W13 - SERIES

W13-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5568		.080
4.00	24X24	41-5569		.080
6.25	30X30	41-5573		.080
16.00	48X48	41-5572		.100

W13-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5596	2	.100

W13-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5598	2	.100

W16 - SERIES

W16-2aP

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6136		.080
7.00	42X24	41-6134		.100

W16-7PL

(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2607		.080
3.75	30X18	41-2608		.080

W16-7PR

(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2609		.080
3.75	30X18	41-2610		.080

W16-9P

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6125		.080
6.00	36X24	41-6116		.080
12.00	48X36	41-6115		.100

W16-2aP *

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6140		.080
3.75	30X18	41-6142		.080

W16-7PL *

(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2617		.080
3.75	30X18	41-2618		.080

W16-7PR *

(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080
3.75	30X18	41-2620		.080

W16-9P *

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080
6.00	36X24	41-6138		.080
12.00	48X36	41-6139		.100

** 30" (750)

30" (750)

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	41-6000	1	.080

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. 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.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.
** THIS SIGN ADDED FOR THIS PROJECT ONLY.

MILONE & MACBROOM®
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

DESCRIPTION	DATE	BY

SIGNING AND PAVEMENT MARKING PLANS & DETAILS
NORTH MAIN STREET RECONSTRUCTION
NAUGATUCK, CONNECTICUT

LM DESIGNED	LM DRAWN	PD CHECKED

SCALE: N.T.S.
DATE: JUNE 22, 2018
PROJECT NO.: 2129-34
SHEET NAME: SPM-07
SHEET NO.: 33

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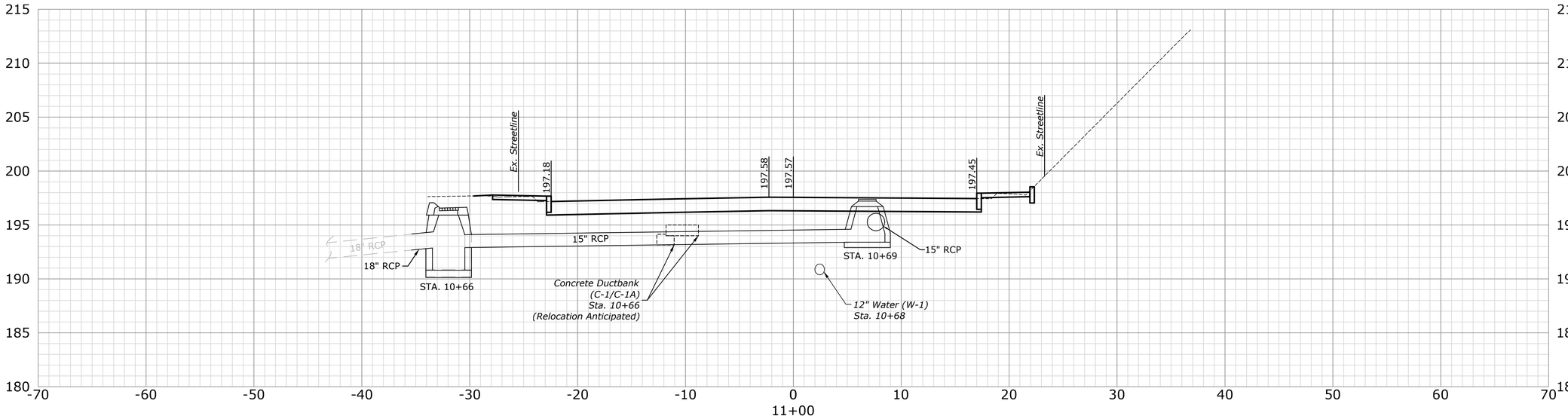

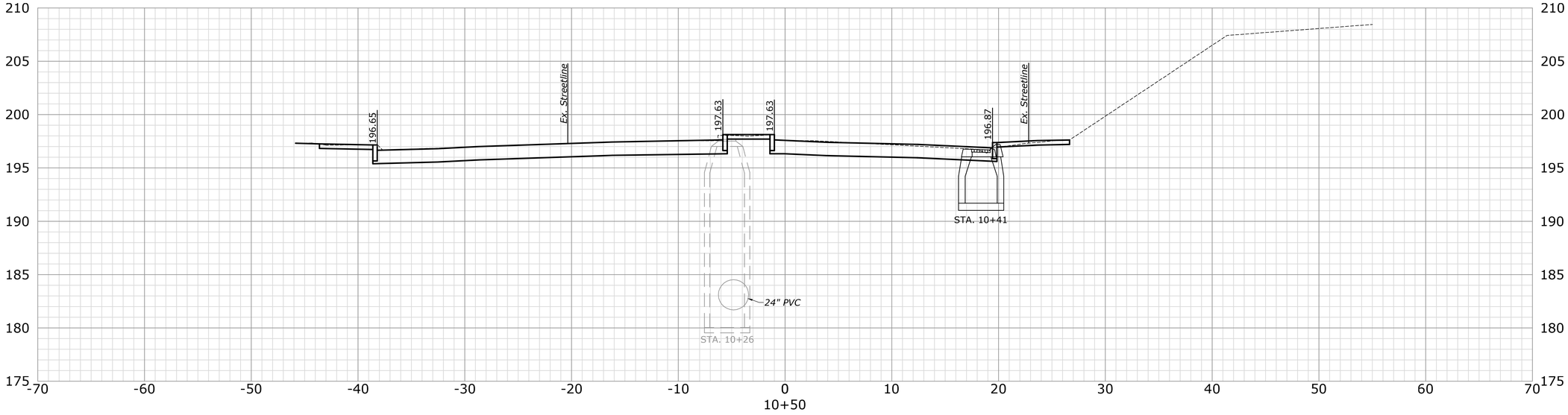

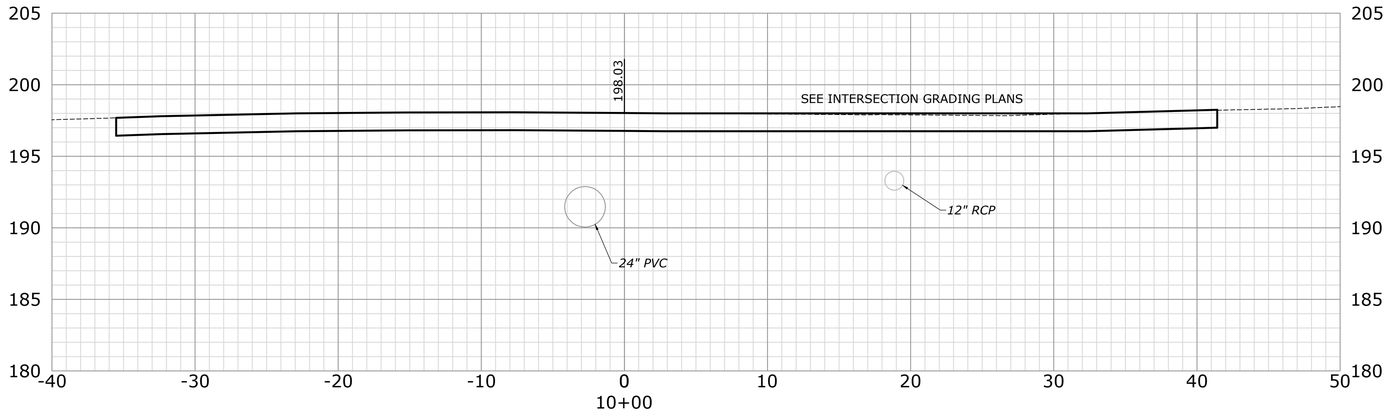

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99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
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DESCRIPTION	DATE	BY

CROSS SECTIONS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-1

SHEET NO.: 34

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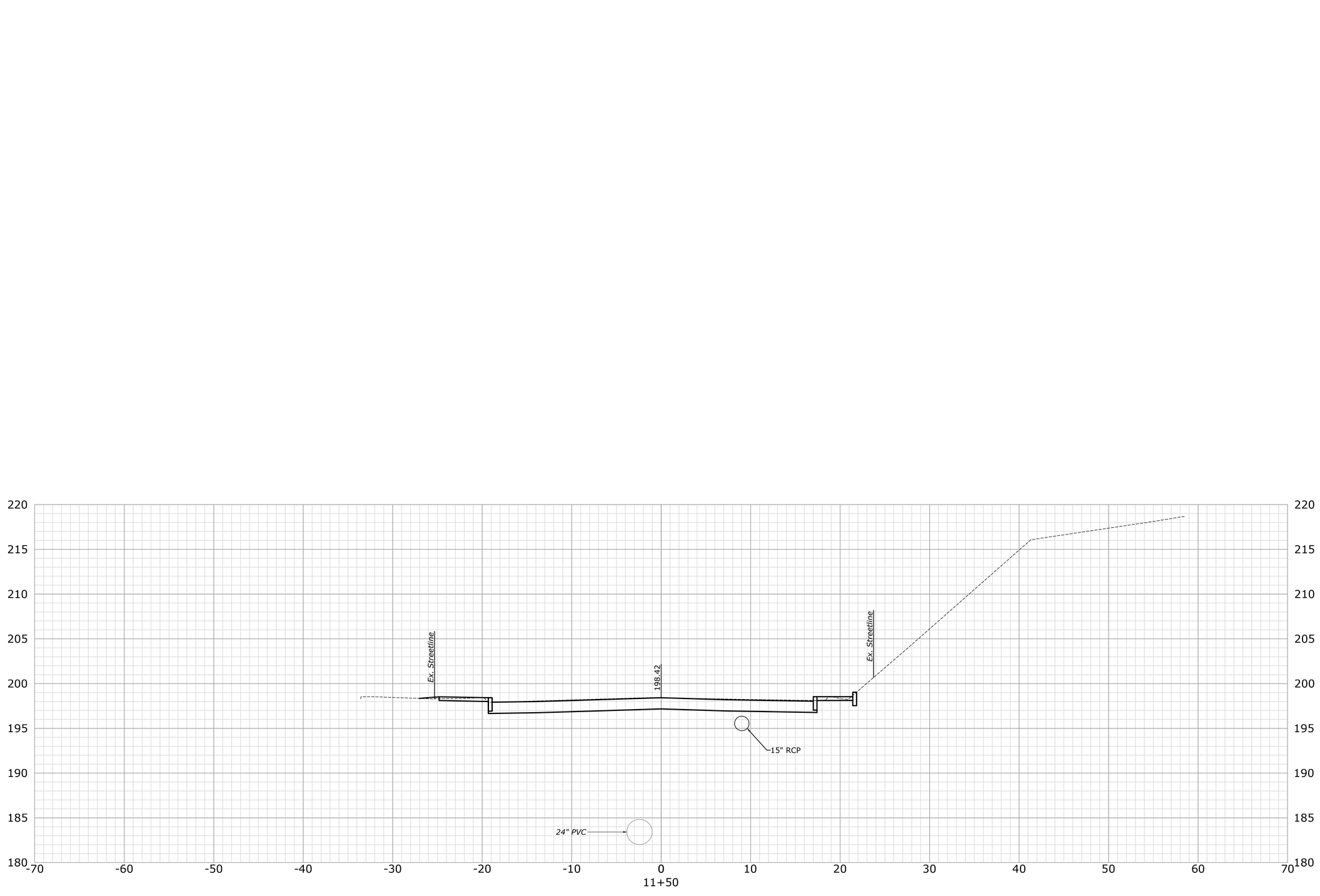

DESCRIPTION | DATE | BY

MILONE & MACBROOM®
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
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0 2.5' 5'
0 1" 1'

CROSS SECTIONS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-2

SHEET NO.: 35

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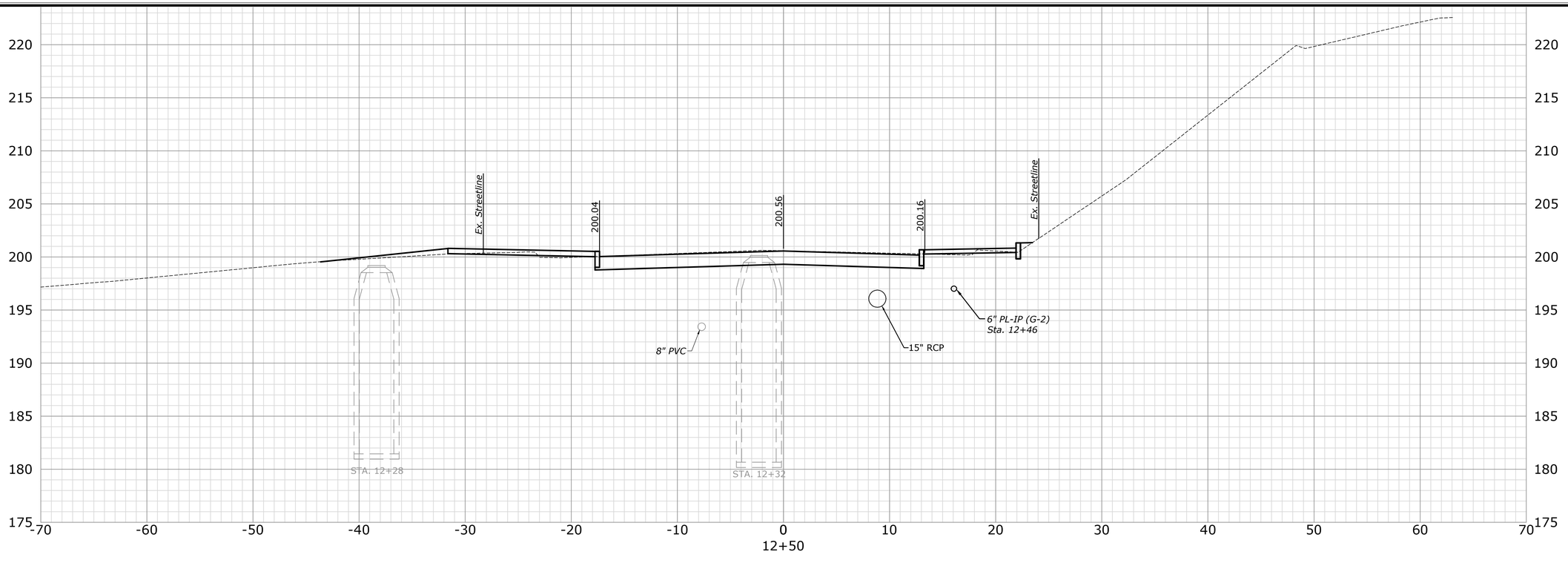

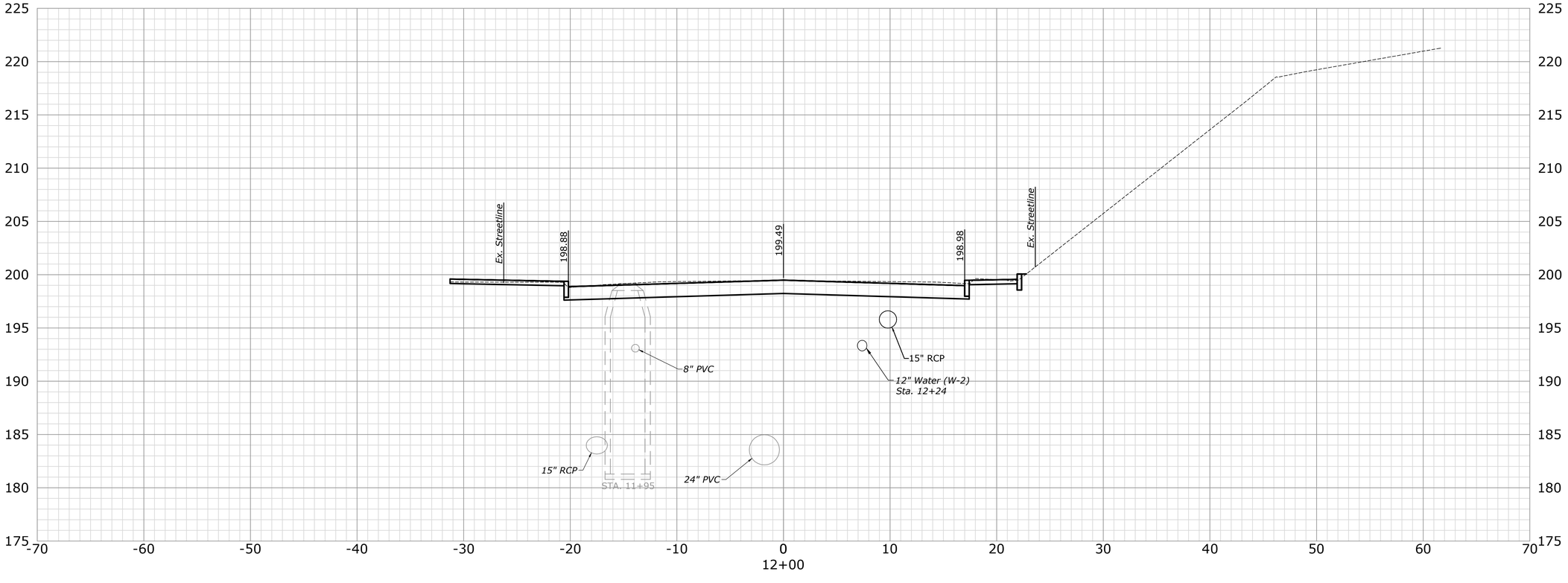

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CROSS SECTIONS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-3

SHEET NO.: 36

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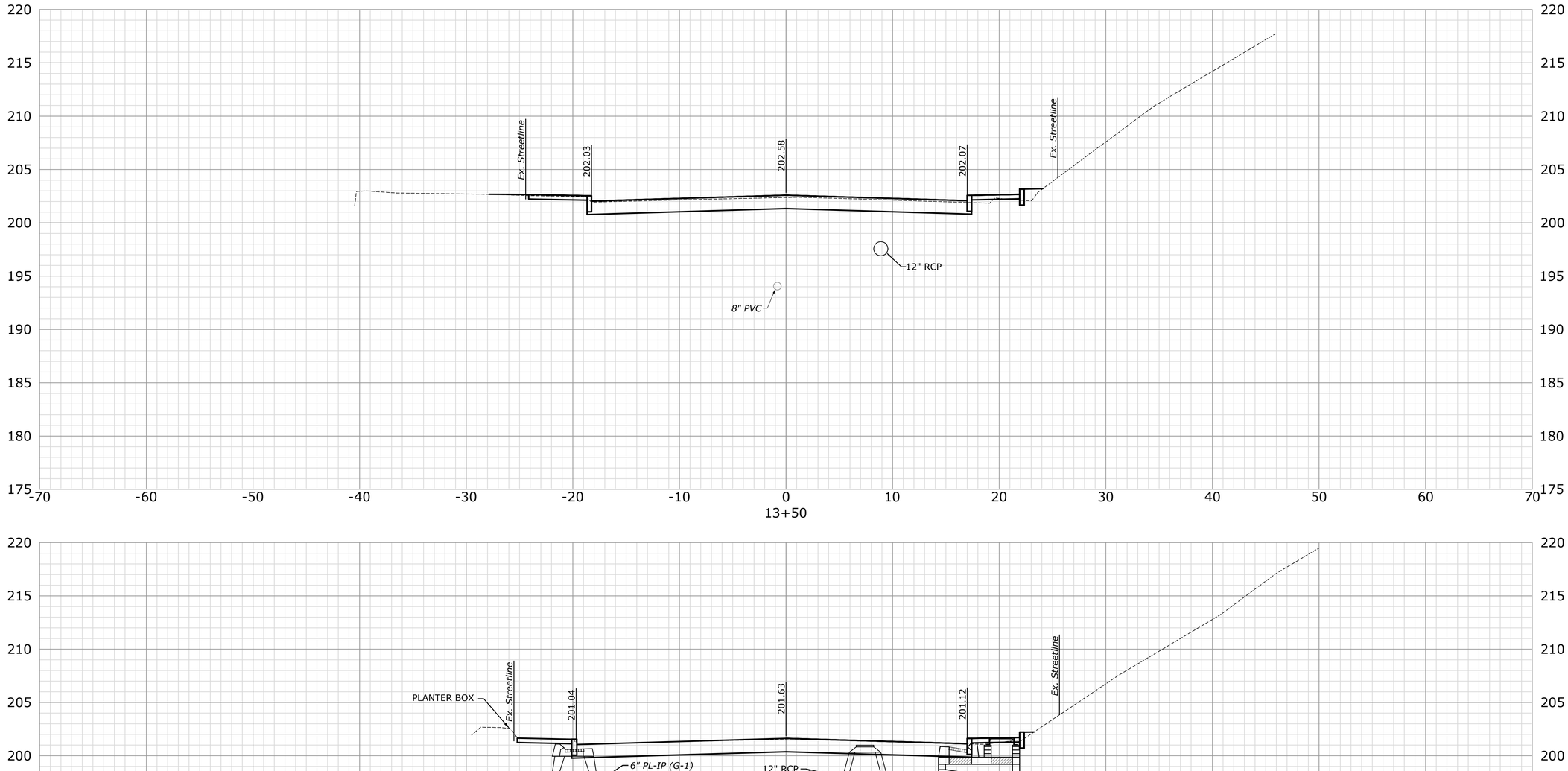

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NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-4

SHEET NO.: 37

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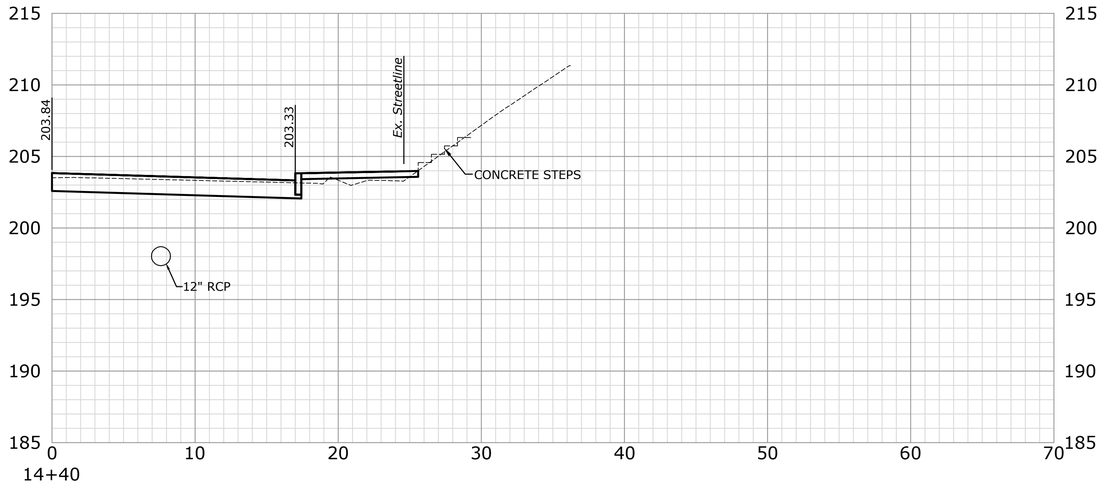

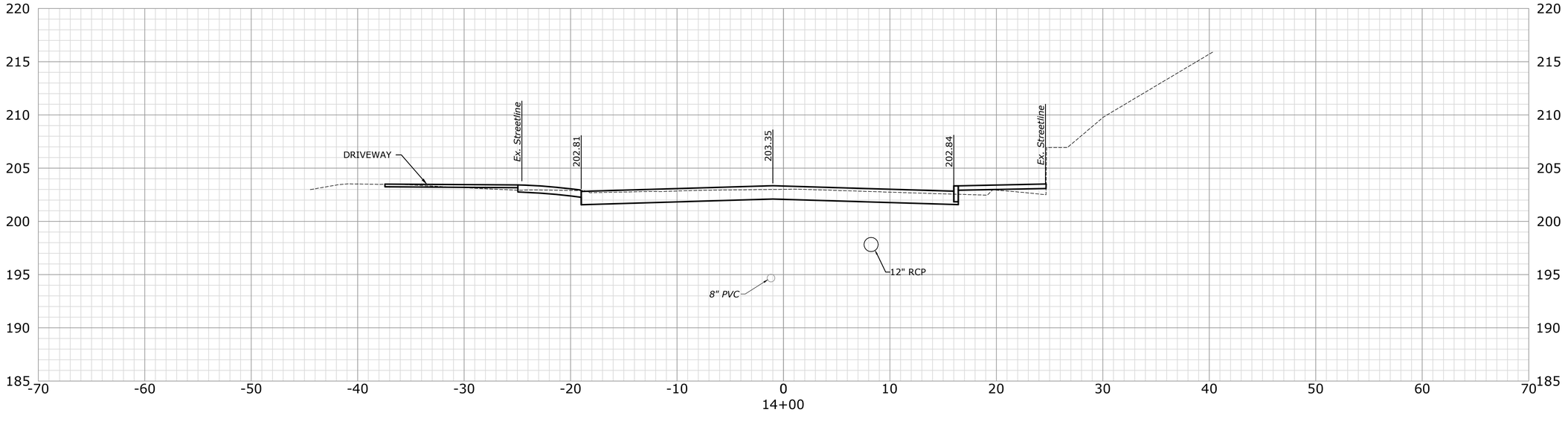

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-5

SHEET NO.: 38

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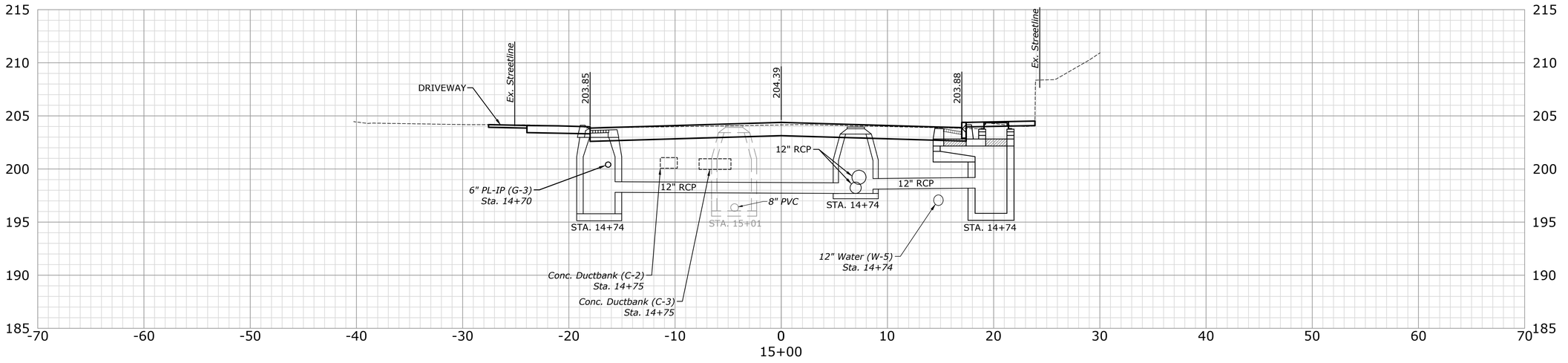

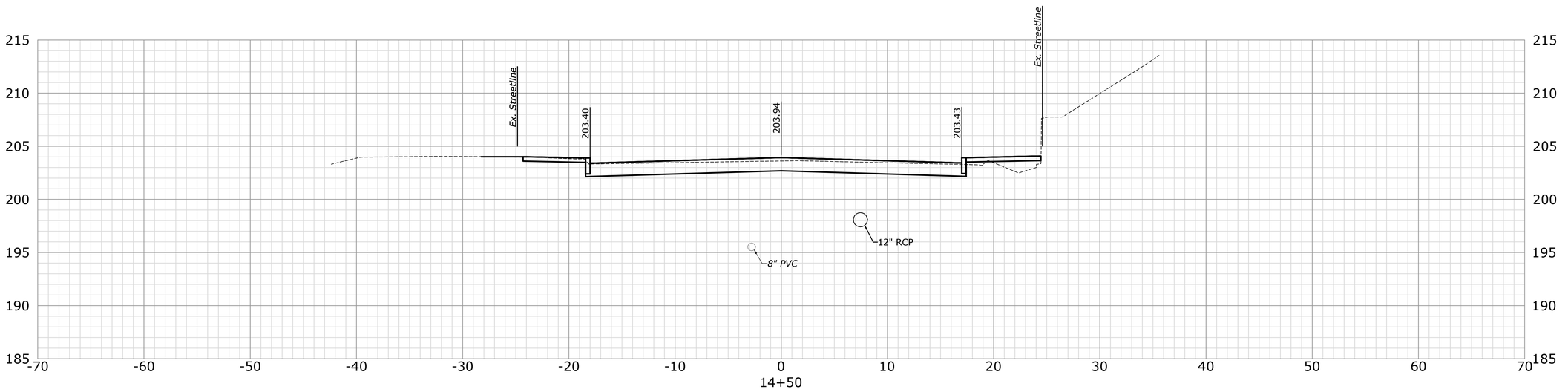

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NAUGATUCK, CONNECTICUT

DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-6

SHEET NO.: 39

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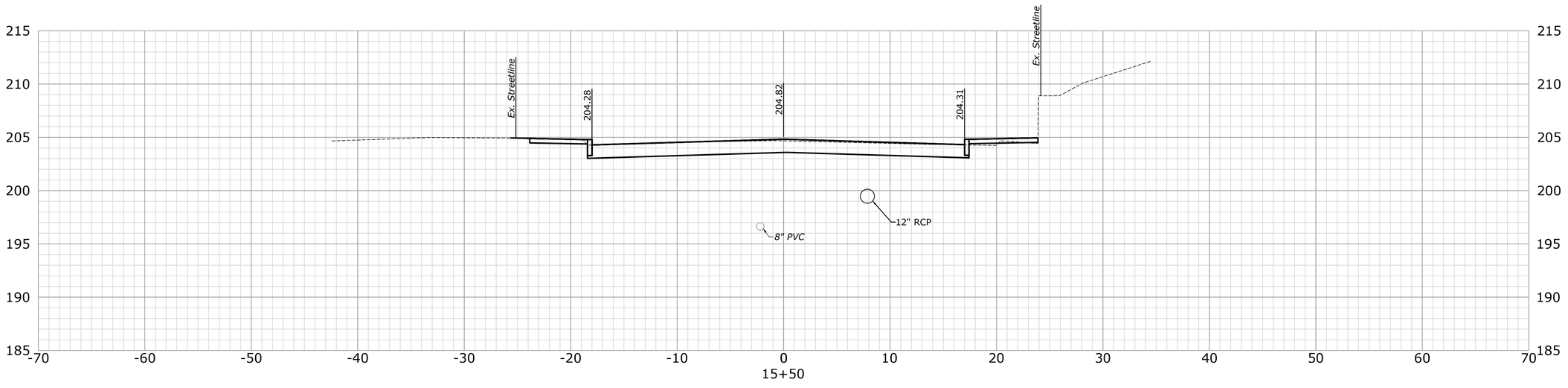

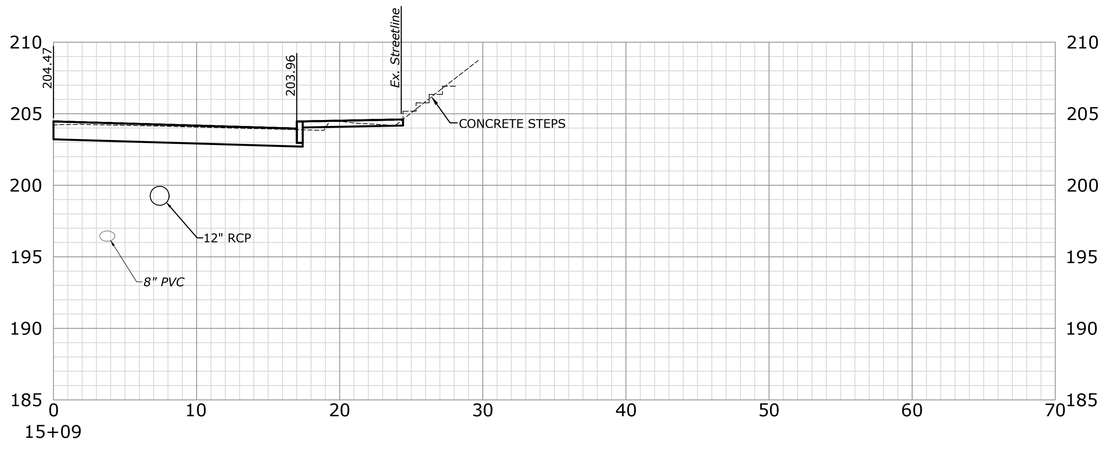

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DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-7

SHEET NO.: 40

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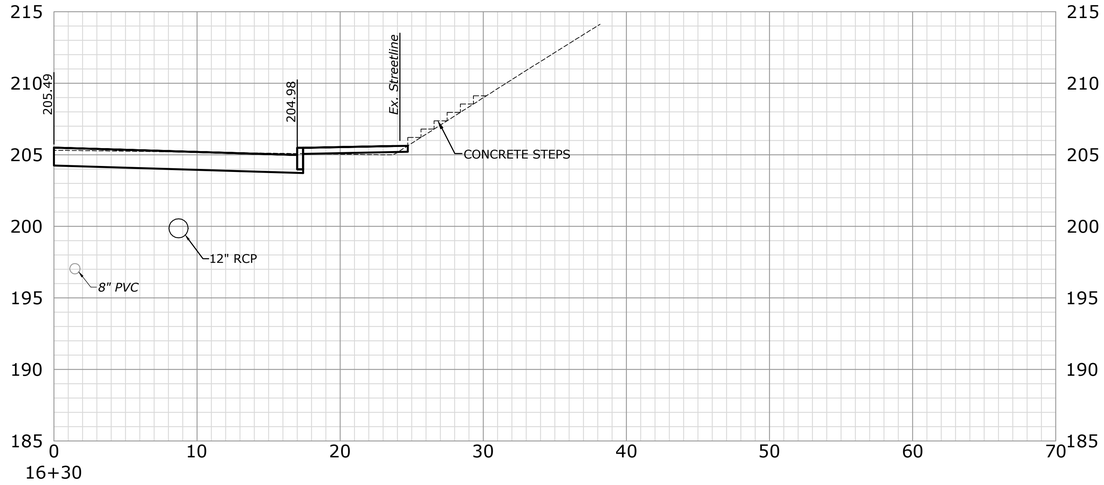

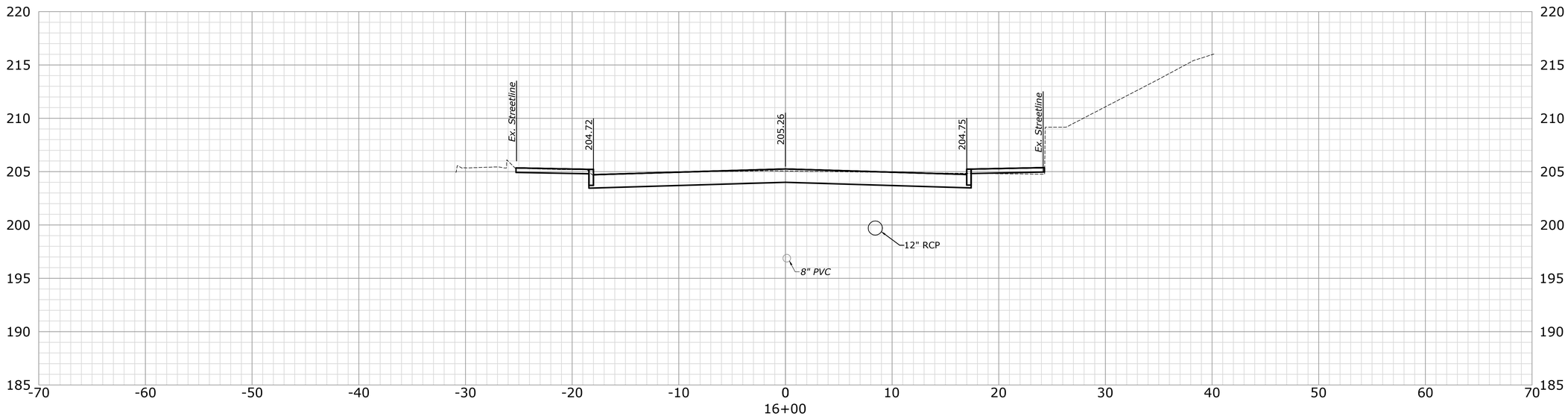

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-8

SHEET NO.: 41

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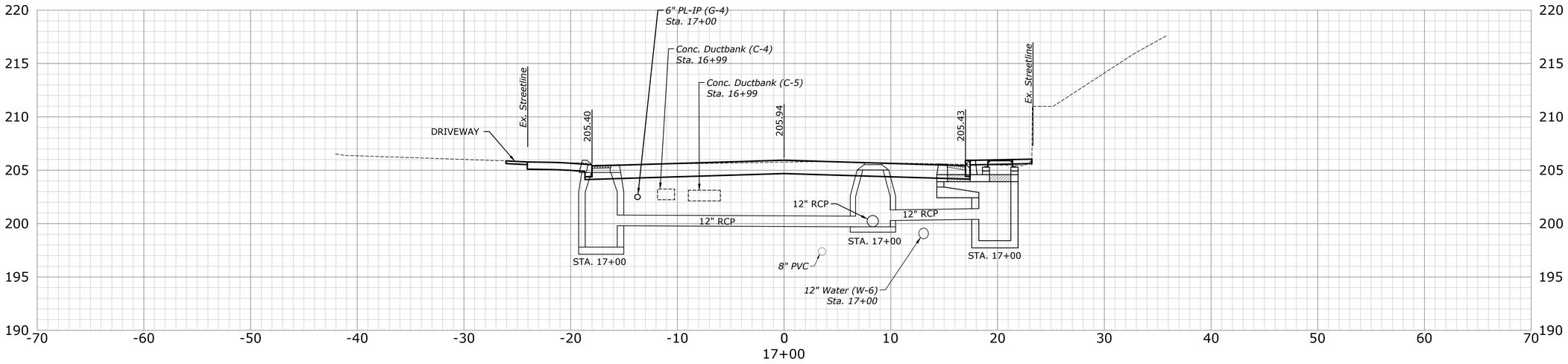

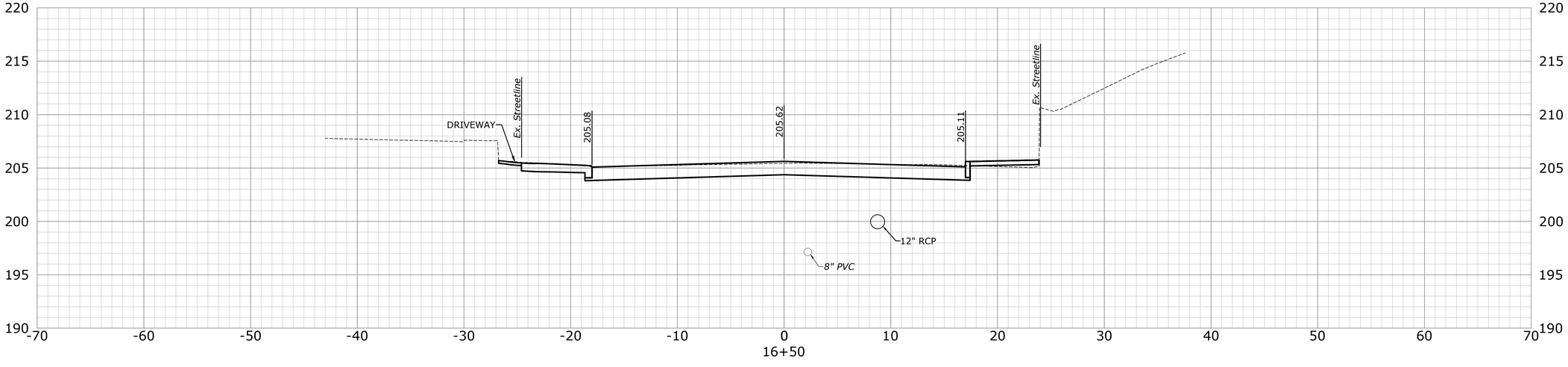

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TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-9

SHEET NO.: 42

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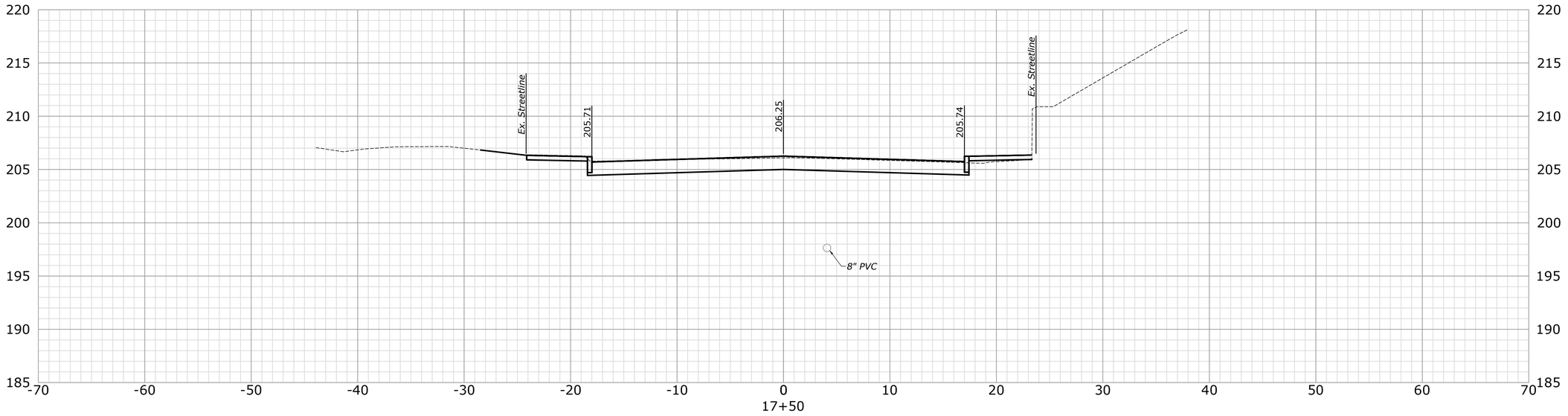

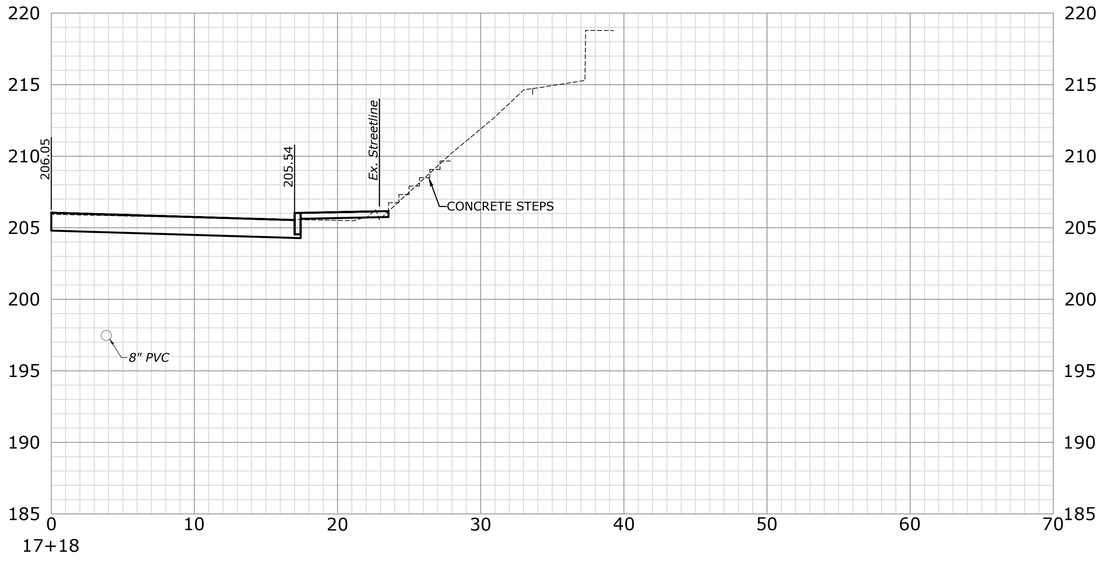

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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-10

SHEET NO.: 43

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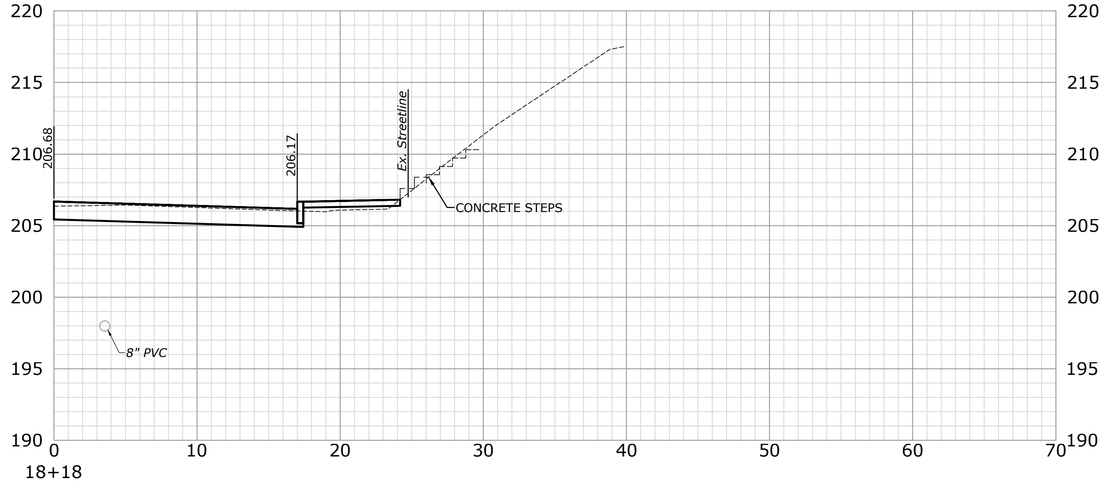

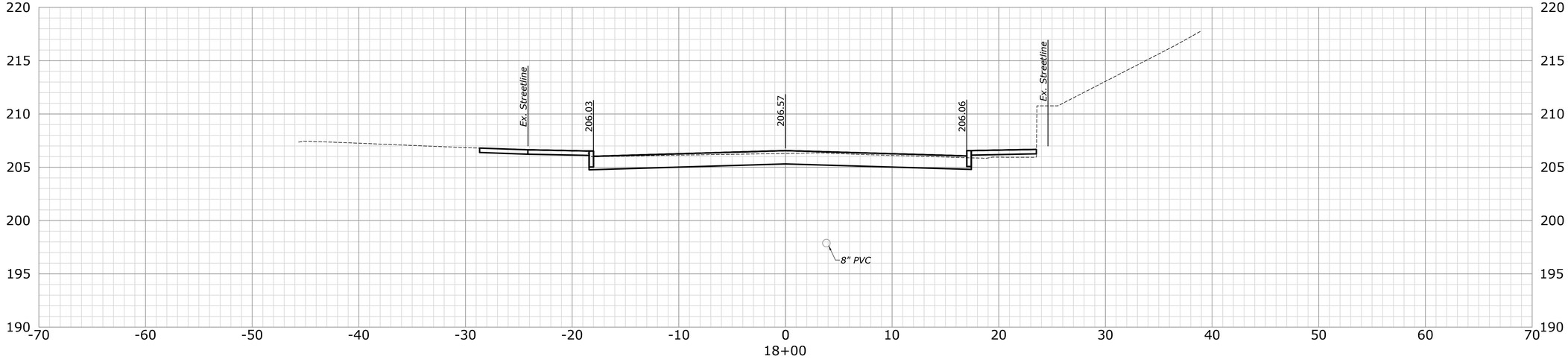

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-11

SHEET NO.: 44

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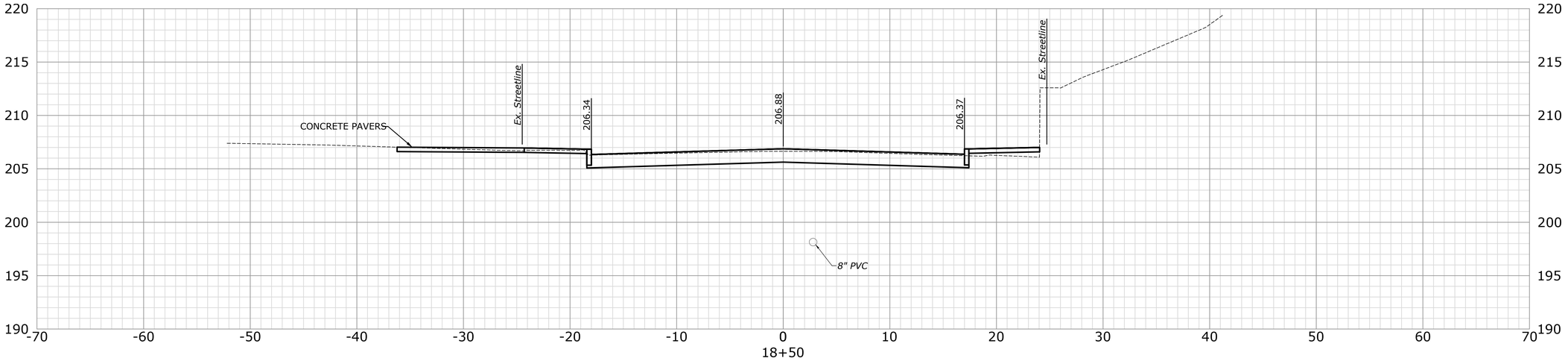

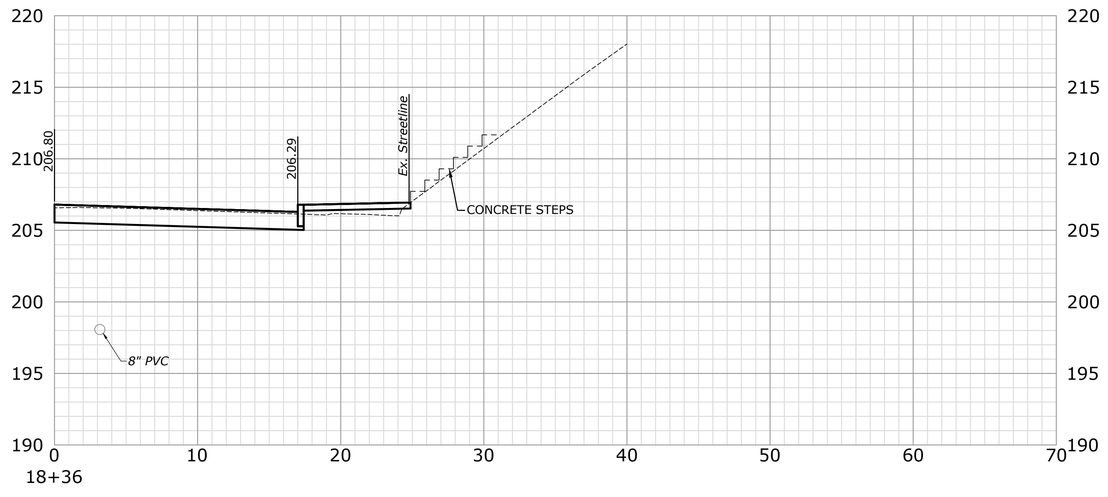

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TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-12

SHEET NO.: 45

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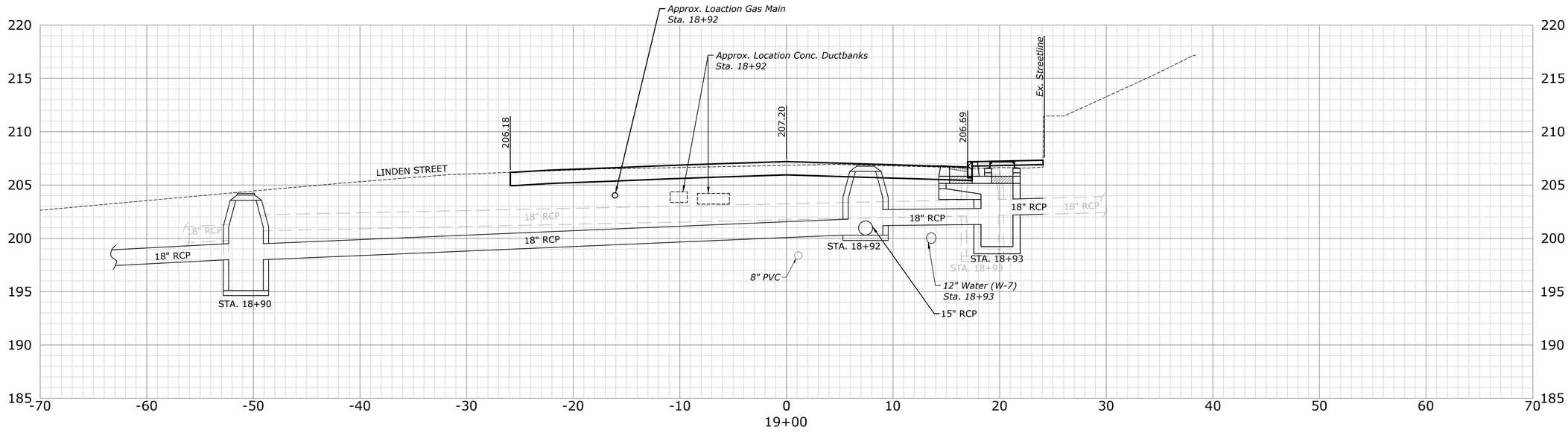

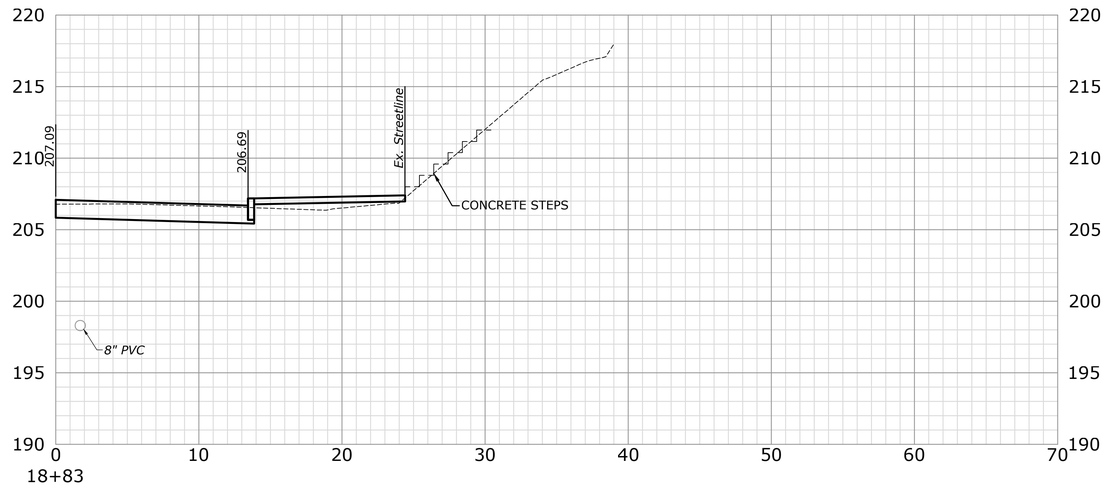

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-13

SHEET NO.: 46

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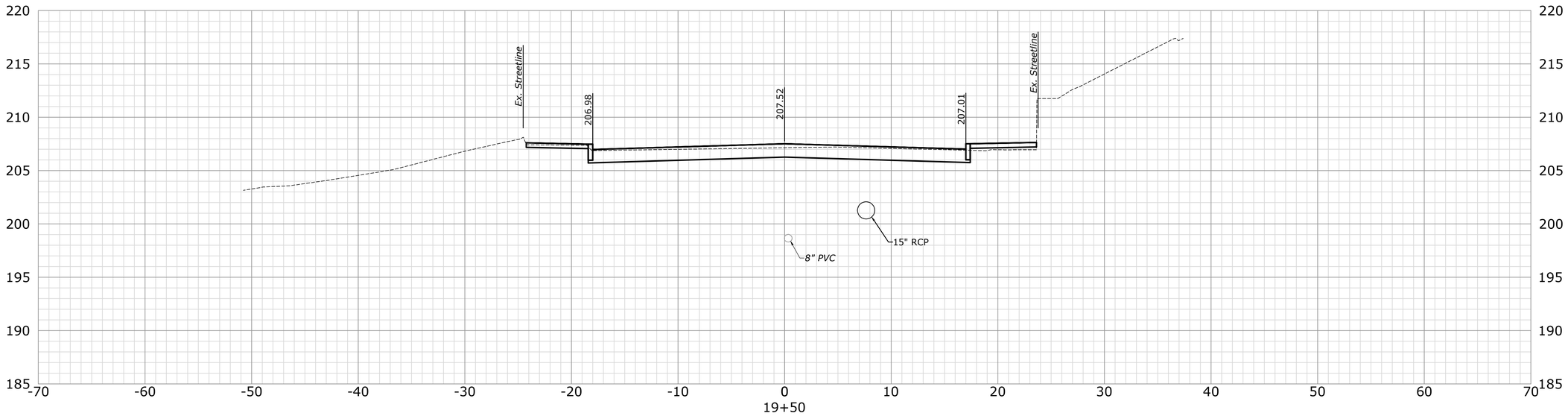

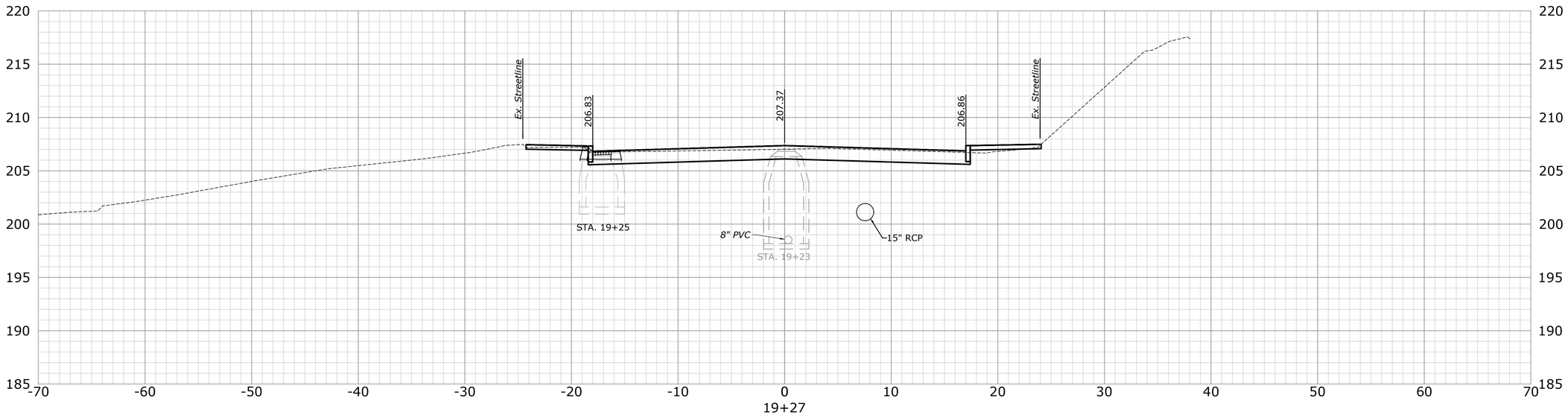

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NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE	1"=5'
DATE	JUNE 22, 2018
PROJECT NO.	2129-34
SHEET NAME	XSC-14
SHEET NO.	47

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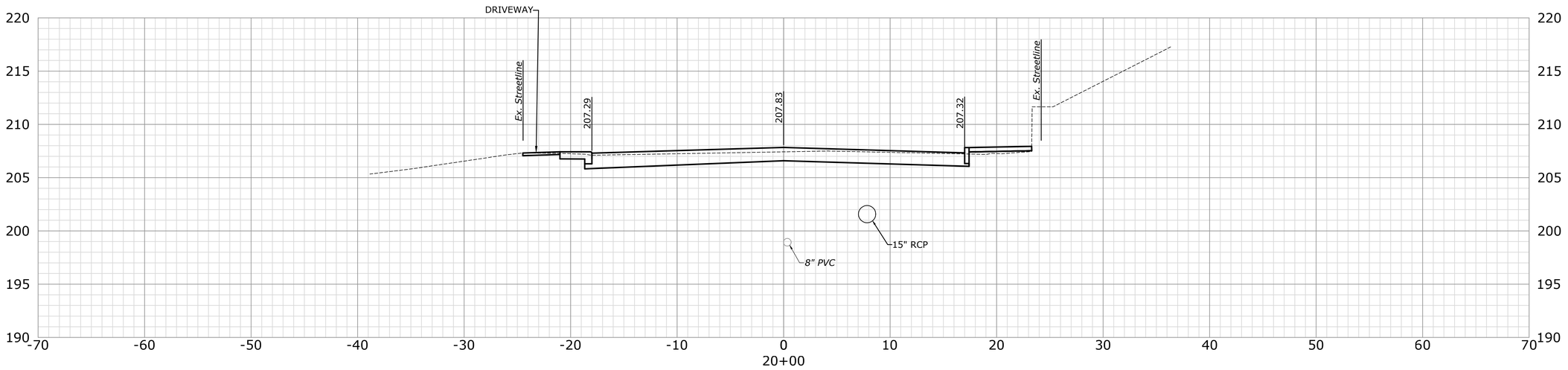

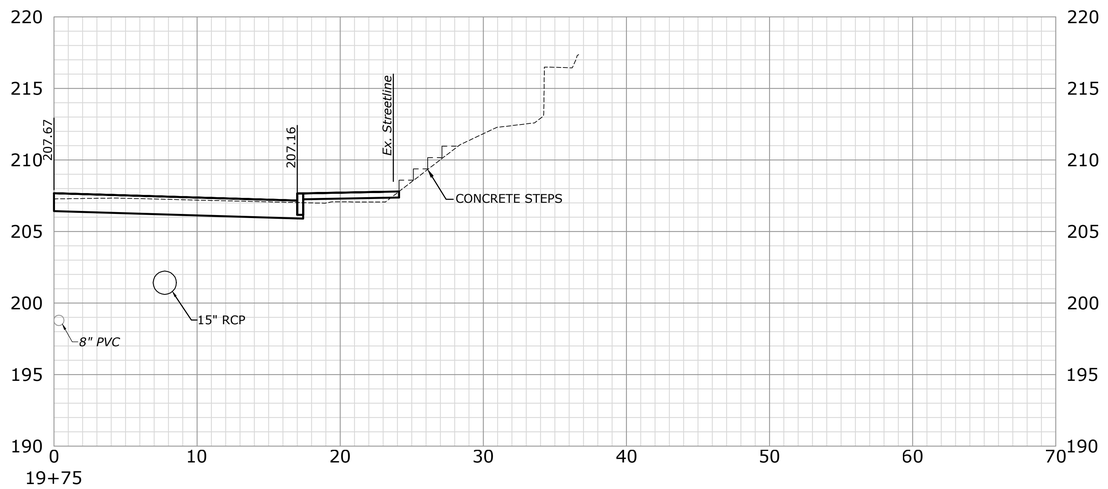

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NAUGATUCK, CONNECTICUT

DESIGNED	DRAWN	CHECKED
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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-15

SHEET NO.: 48

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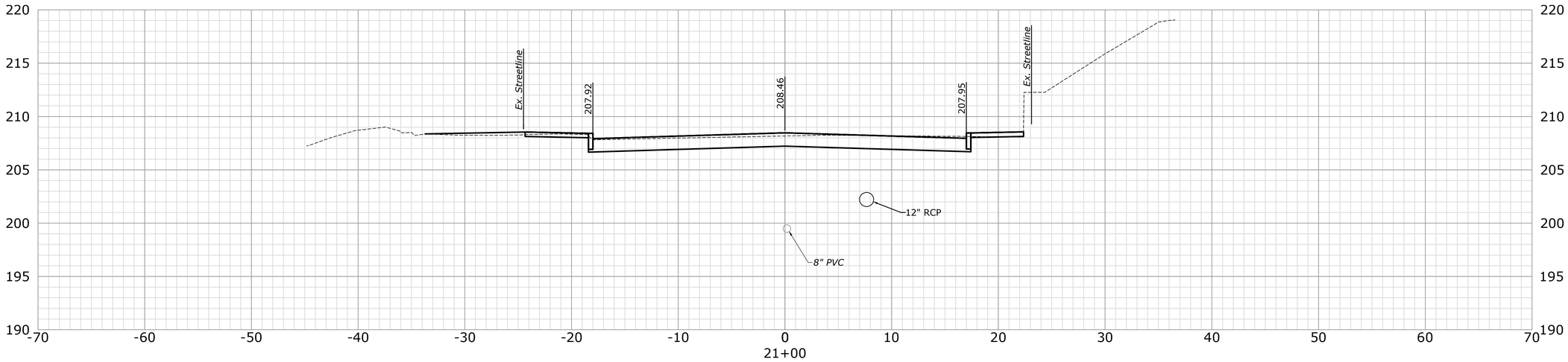

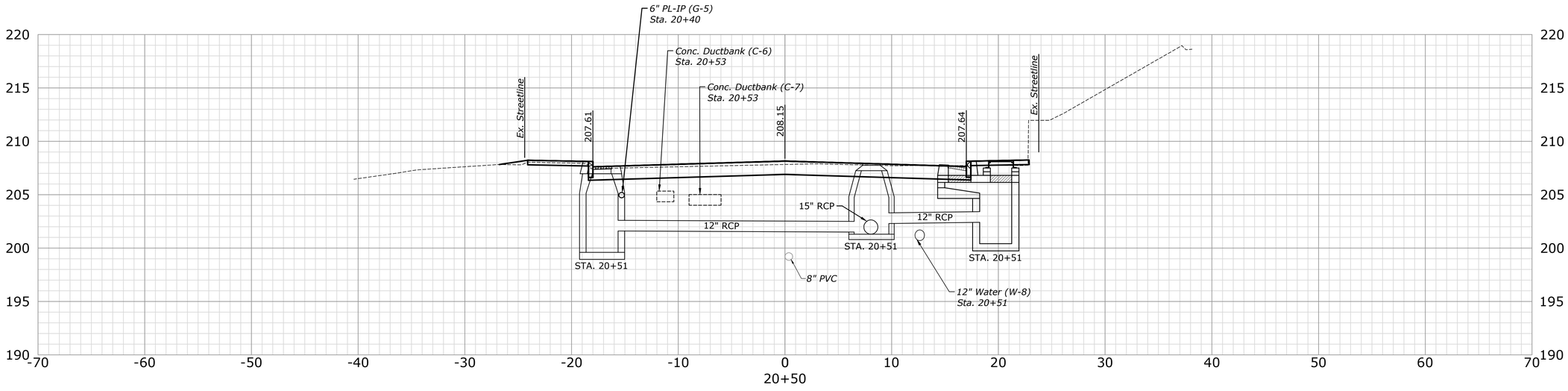

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-16

SHEET NO.: 49

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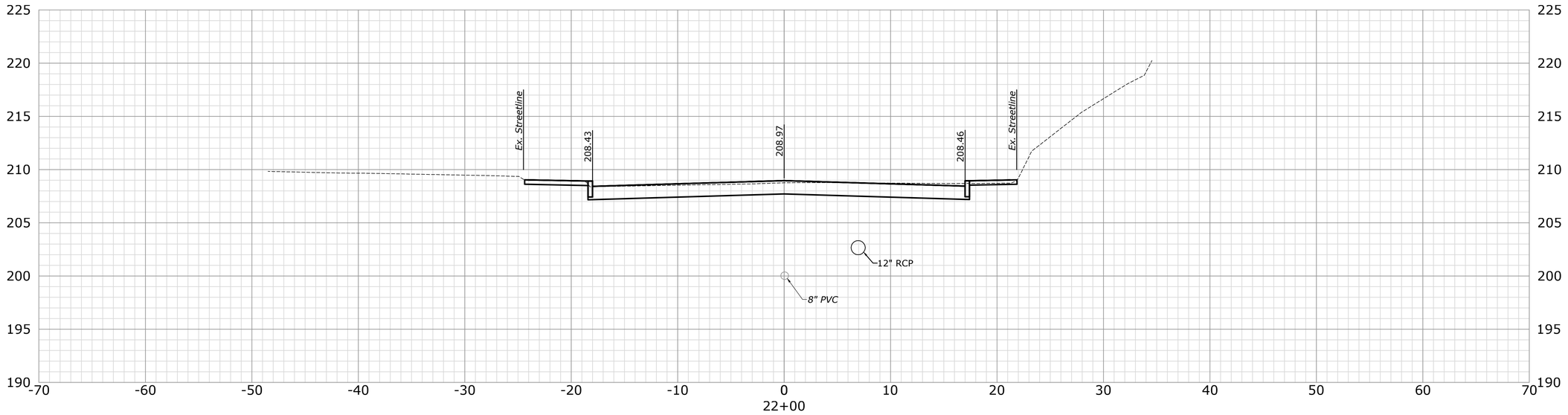

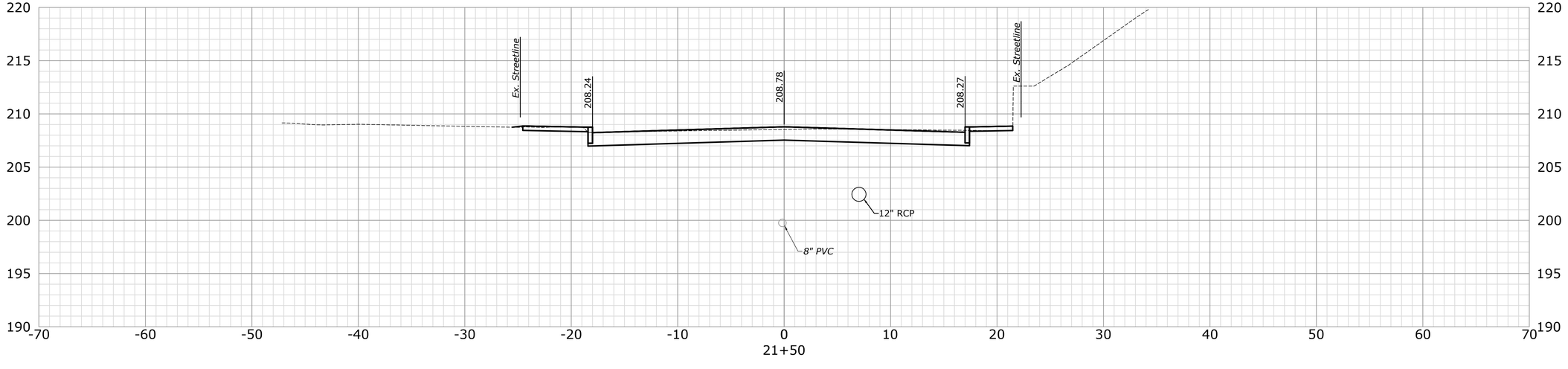

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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-17

SHEET NO.: 50

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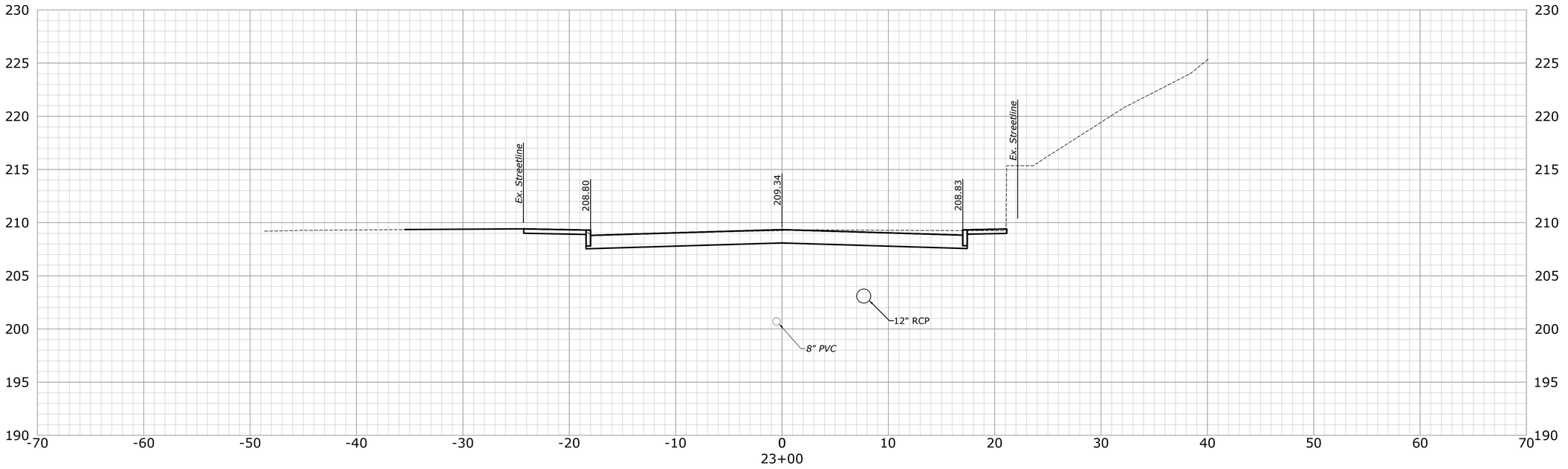

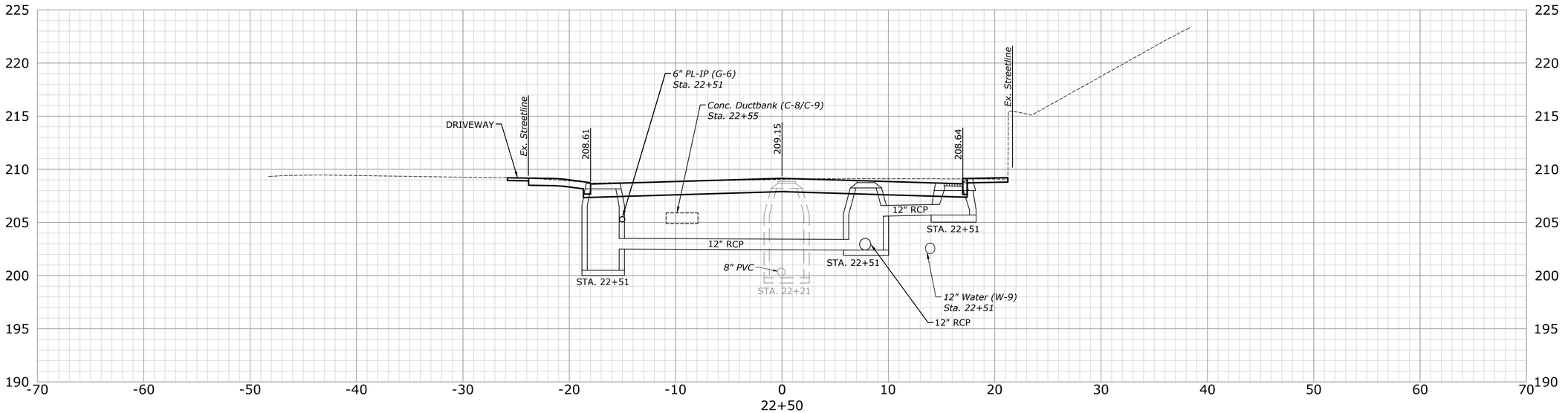

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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-18

SHEET NO.: 51

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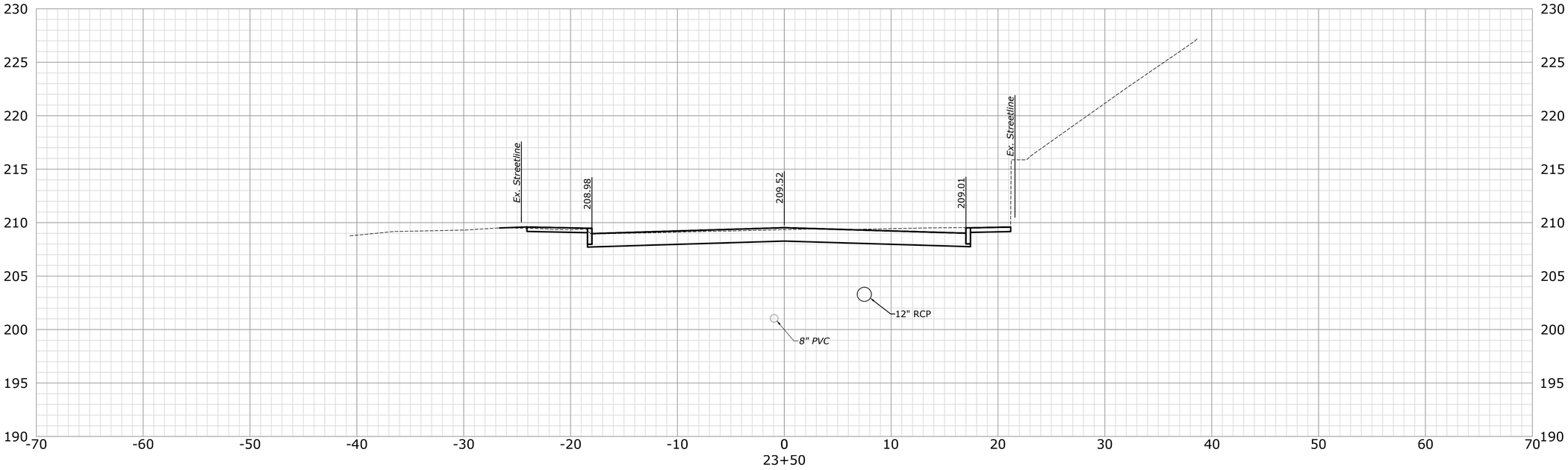

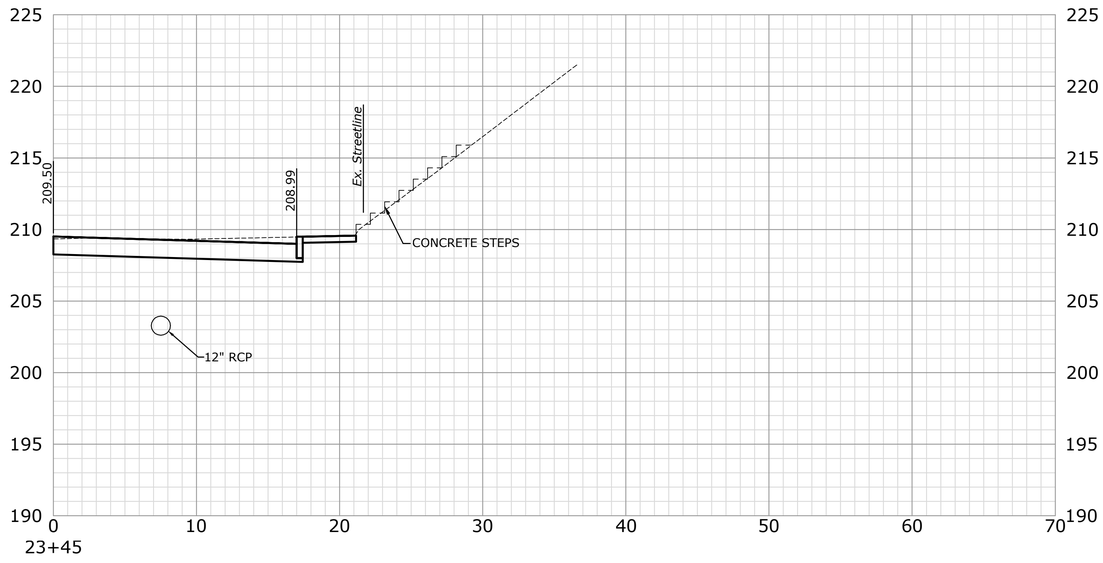

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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-19

SHEET NO.: 52

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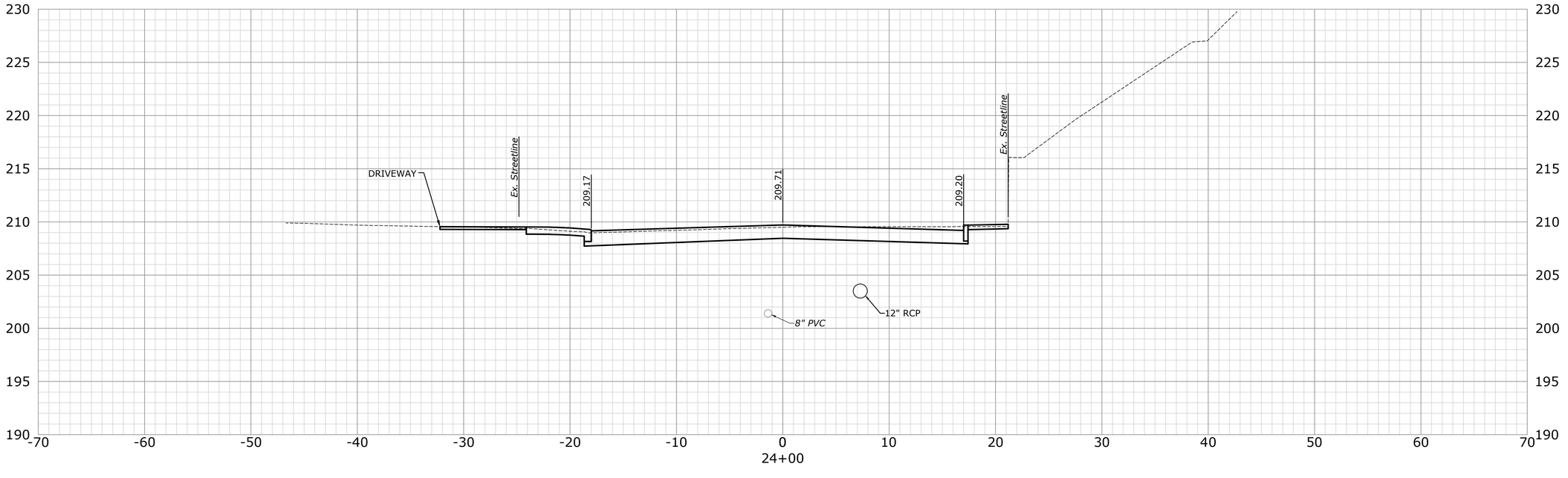

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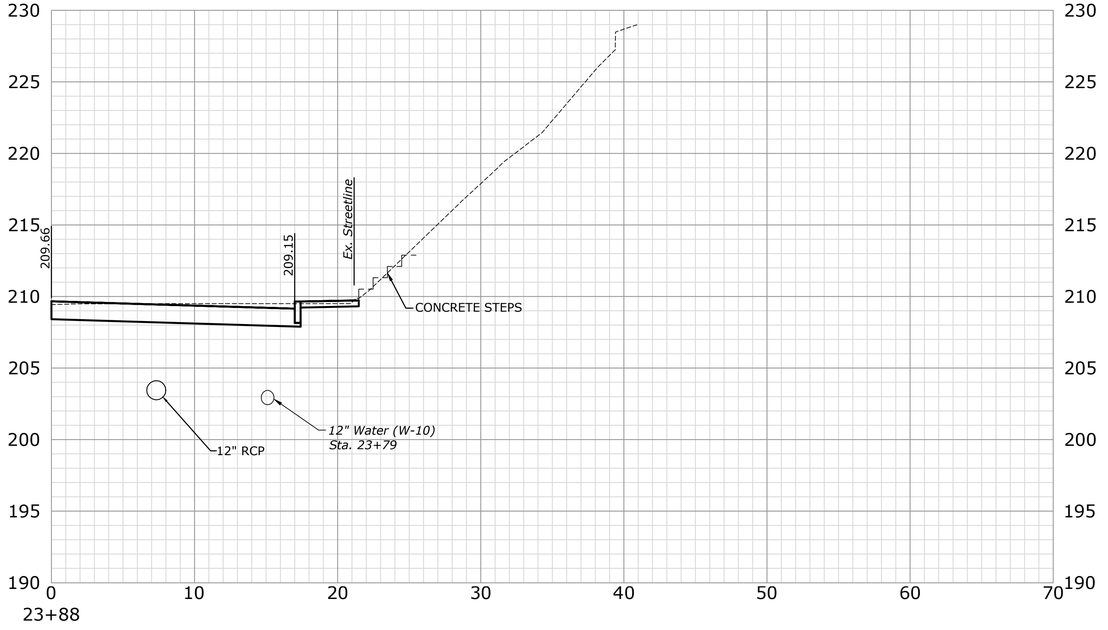

23+88

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PROJECT NO.: 2129-34

SHEET NAME: XSC-20

SHEET NO.: 53

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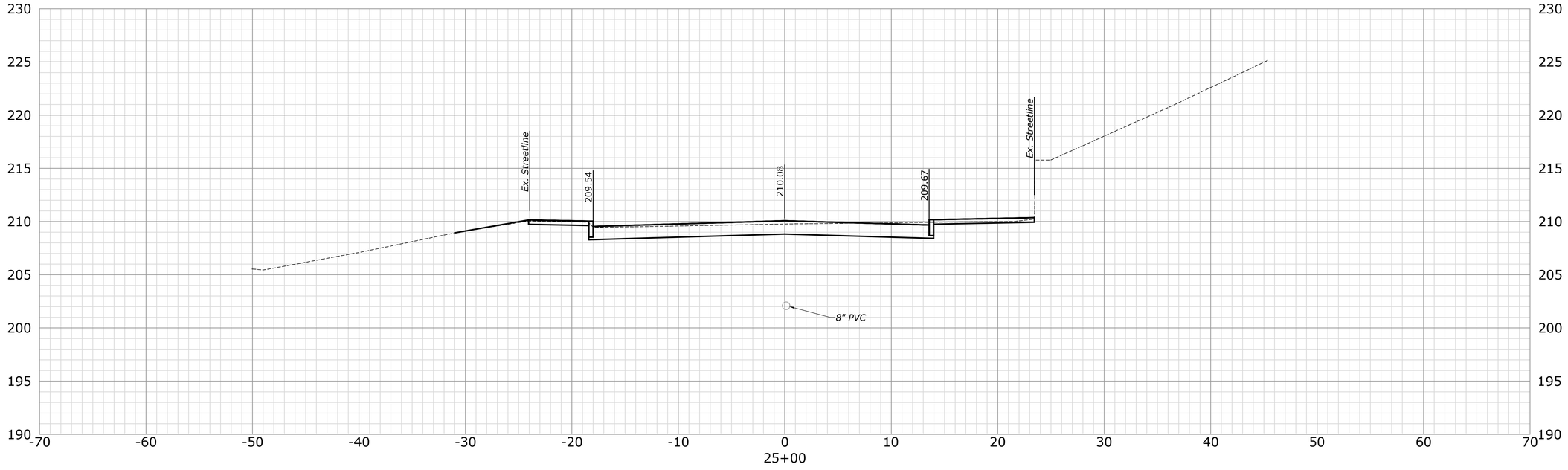

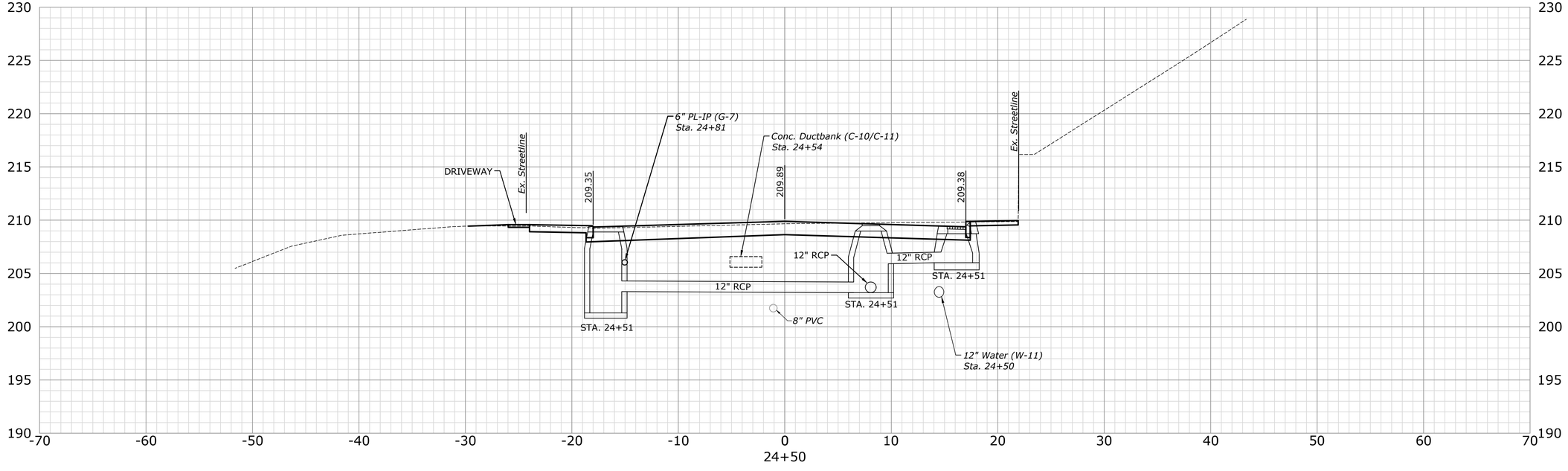

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CROSS SECTIONS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-21

SHEET NO.: 54

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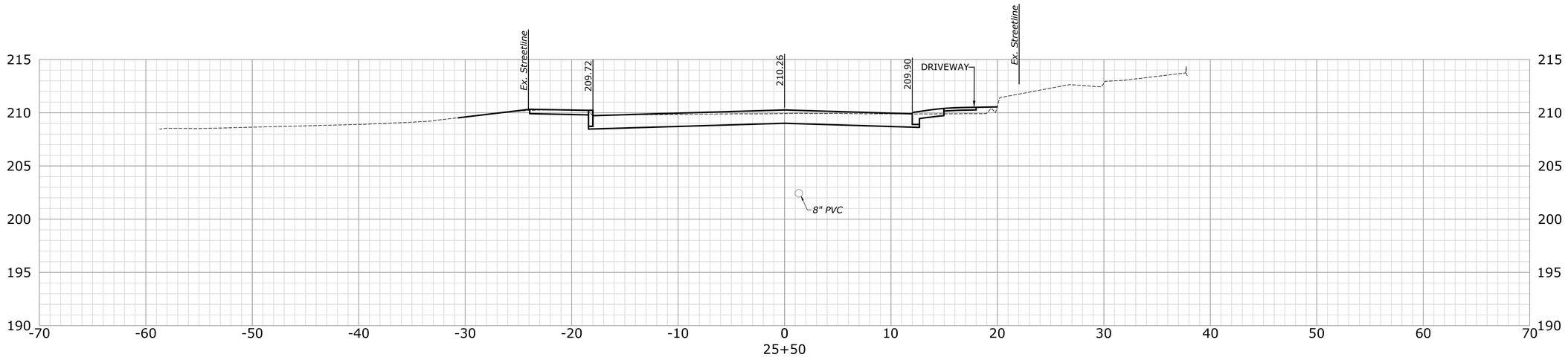

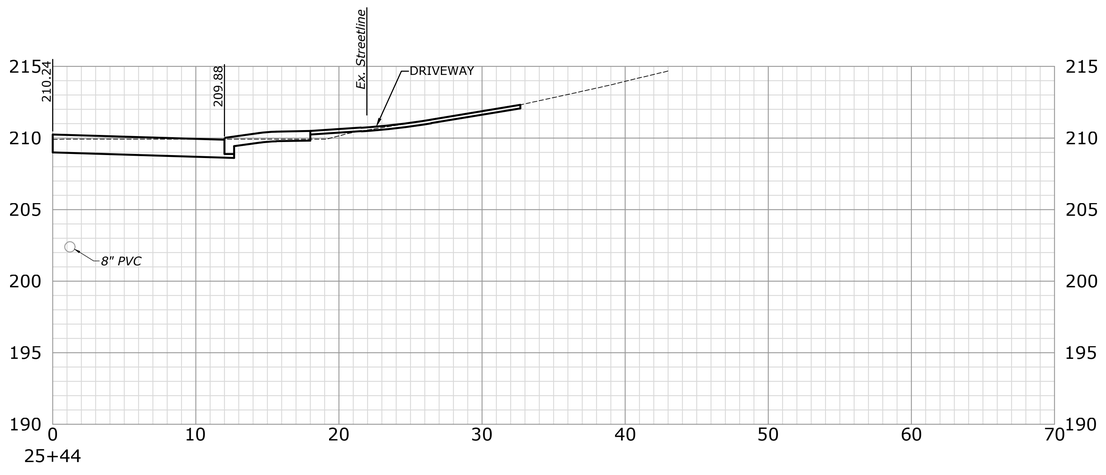

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NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-22

SHEET NO.: 55

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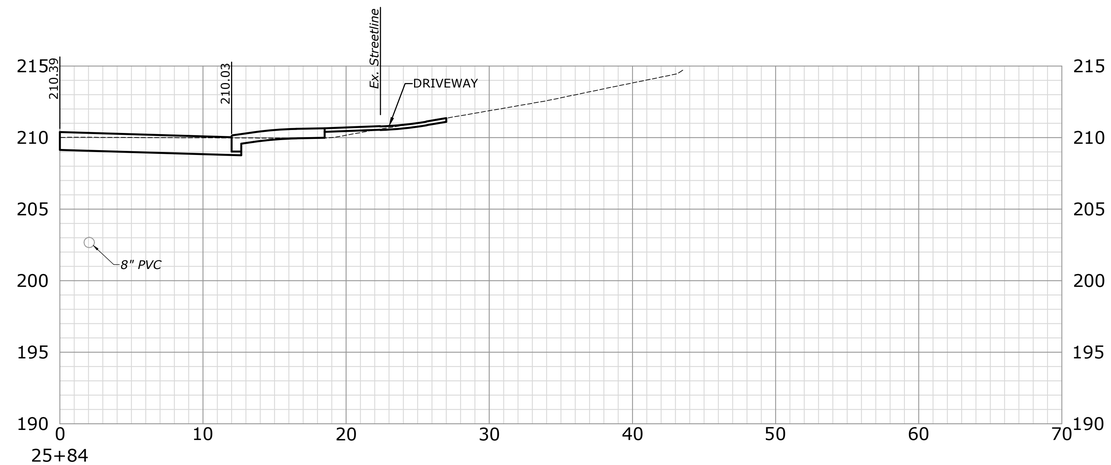
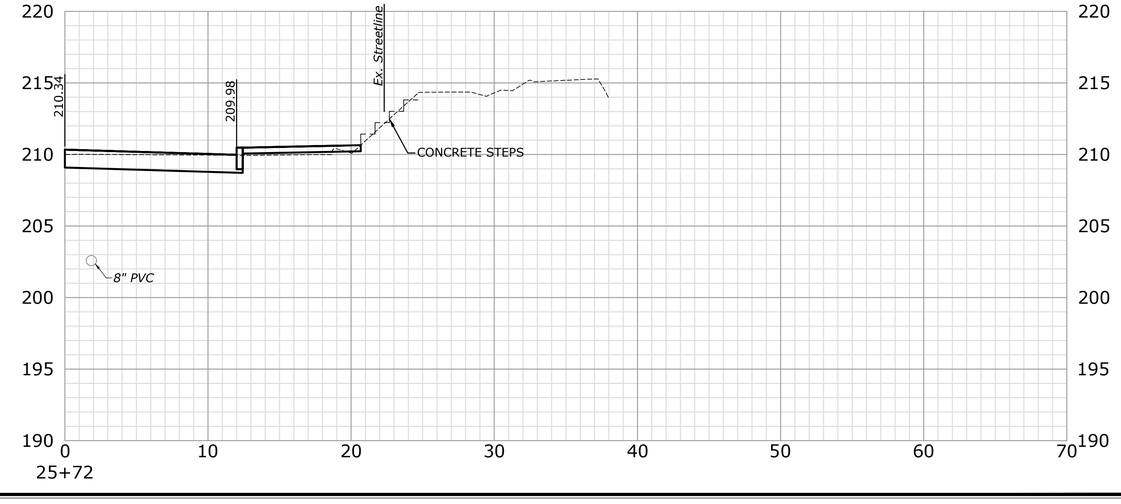


25+84



25+72

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NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-23

SHEET NO.: 56

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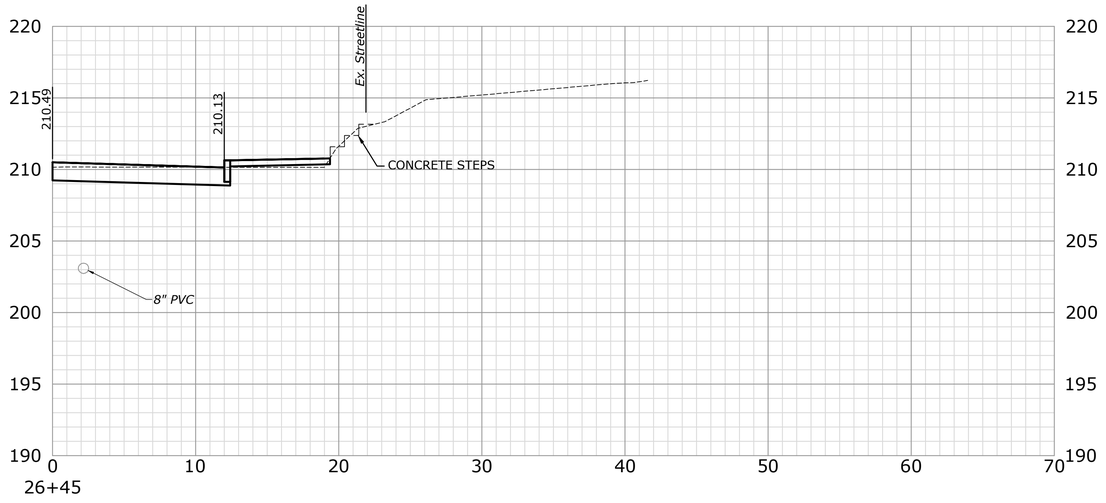

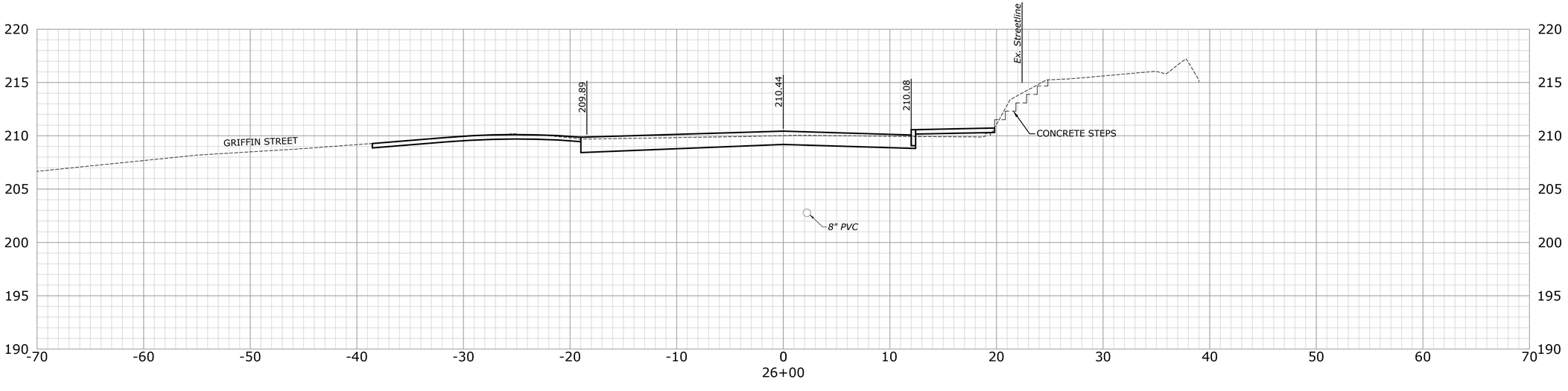

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NAUGATUCK, CONNECTICUT

TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-24

SHEET NO.: 57

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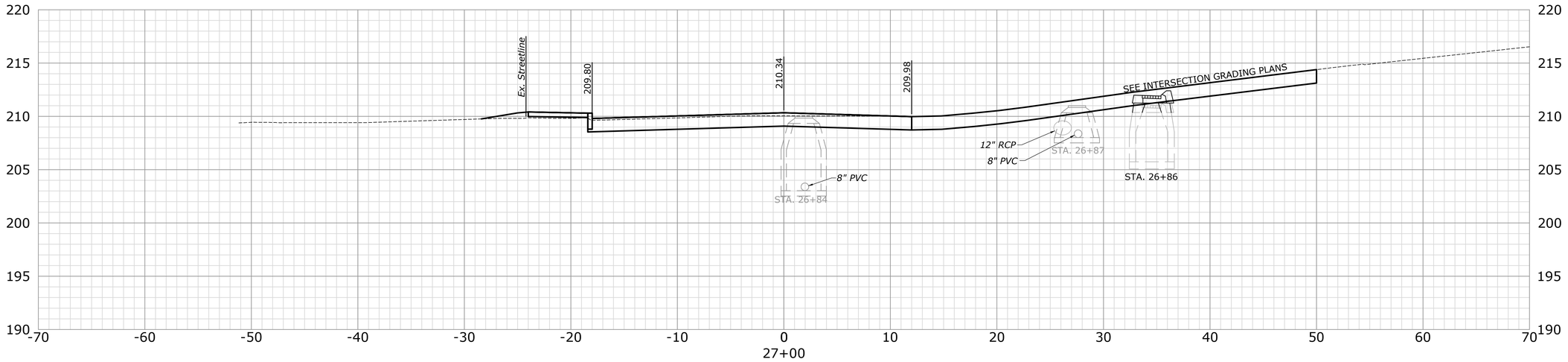

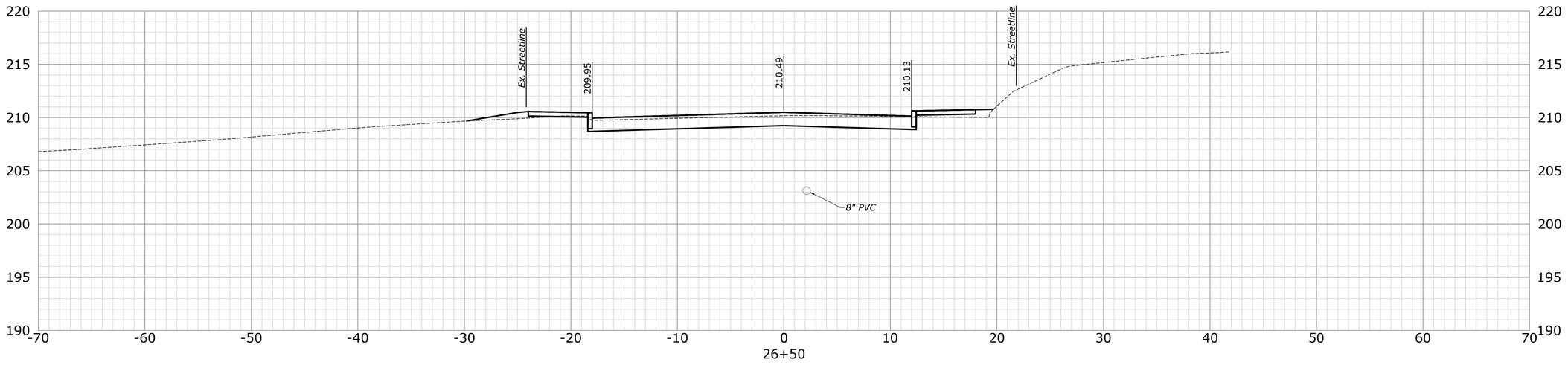

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-25

SHEET NO.: 58

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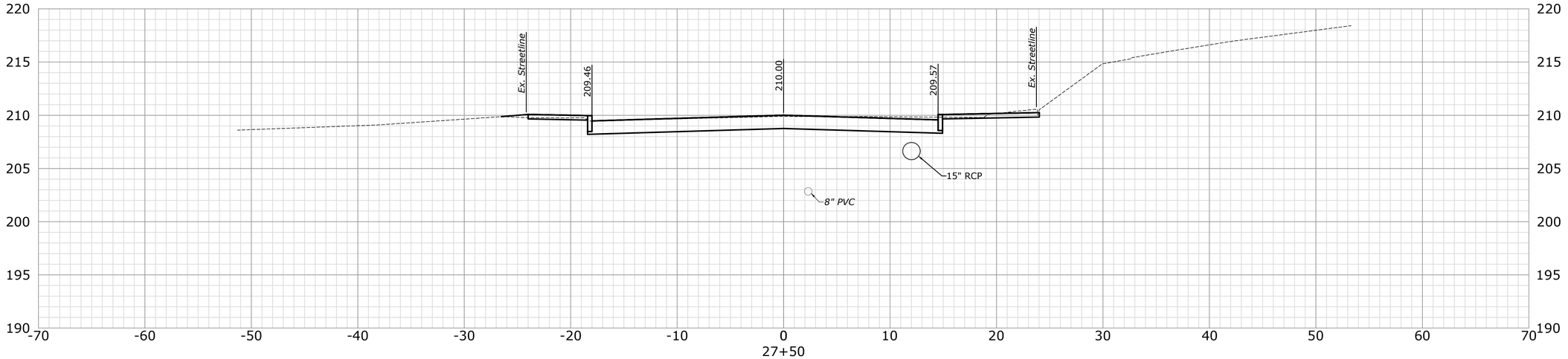

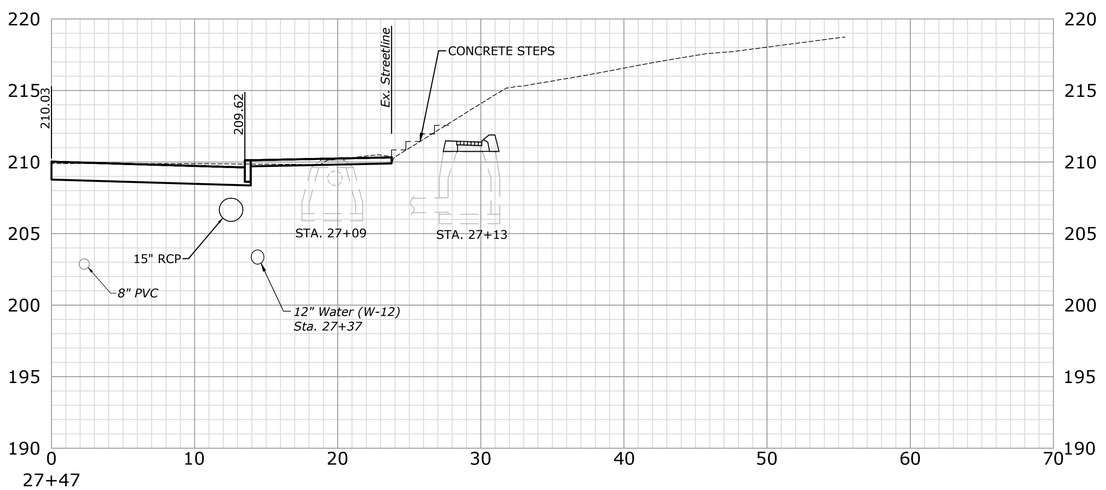

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DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-26

SHEET NO.: 59

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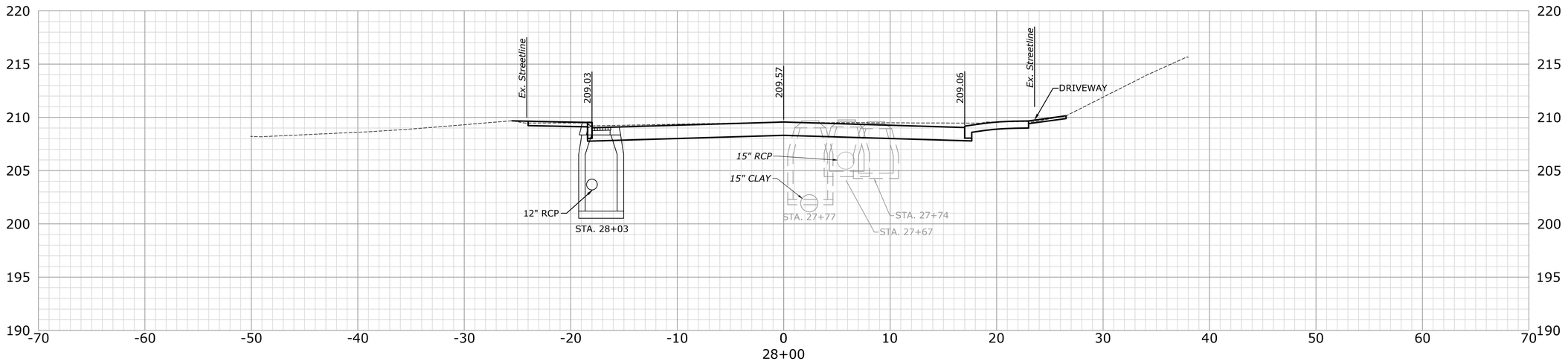
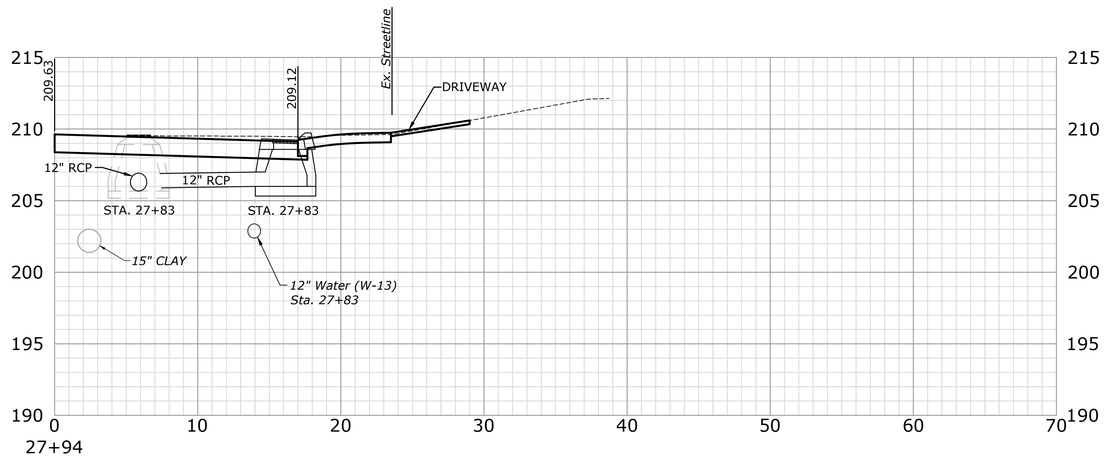


28+00



27+94

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-27

SHEET NO.: 60

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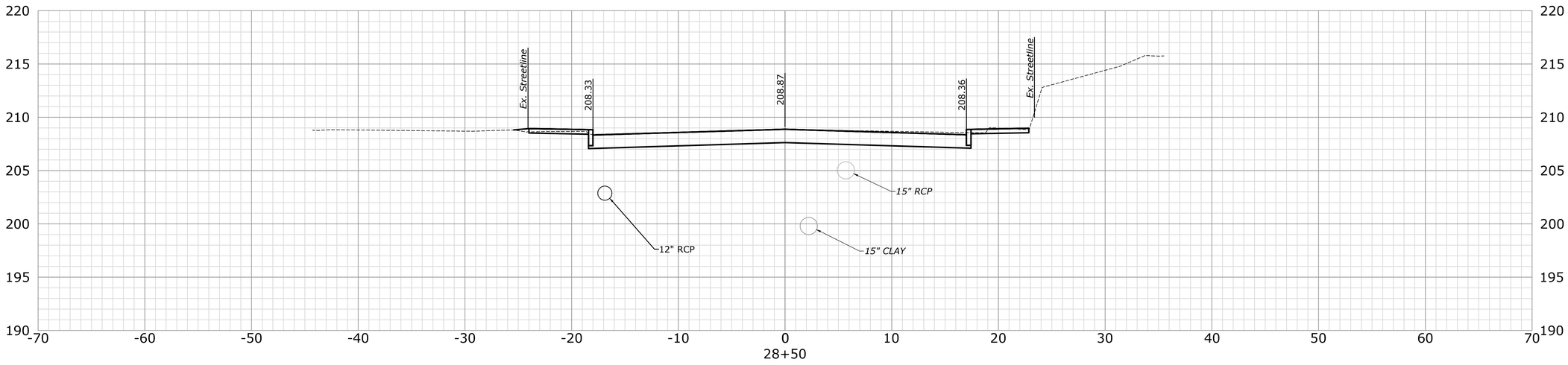
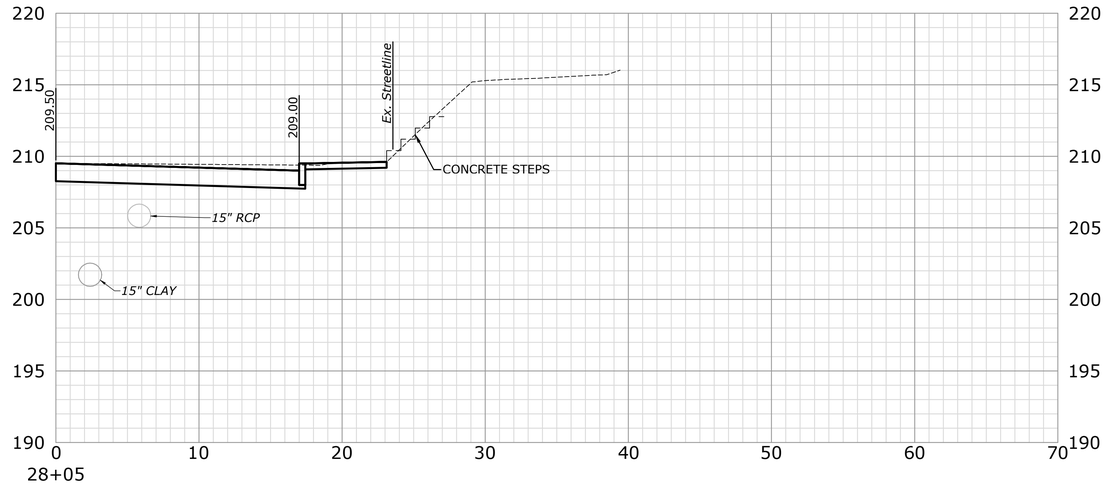


28+50



28+05

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

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SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-28

SHEET NO.: 61

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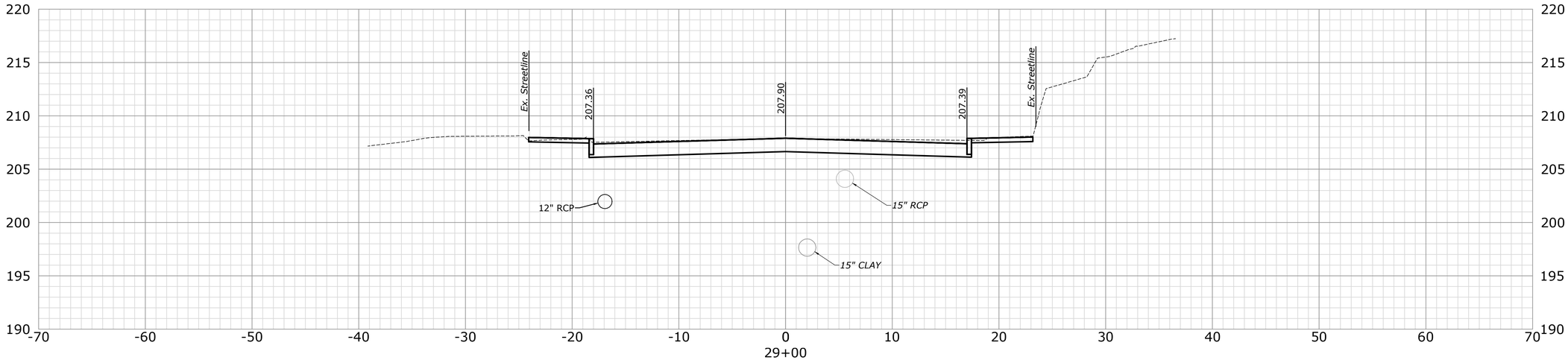

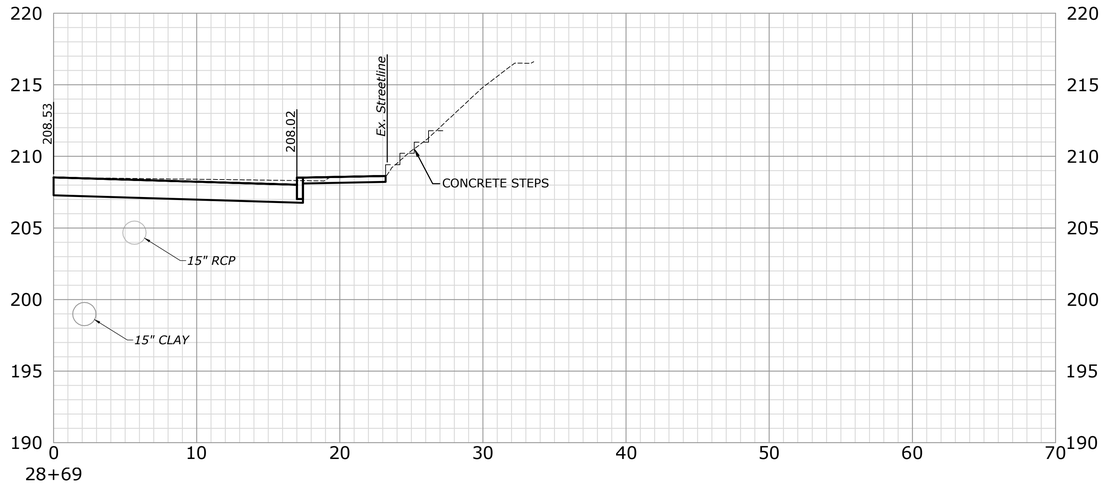

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-29

SHEET NO.: 62

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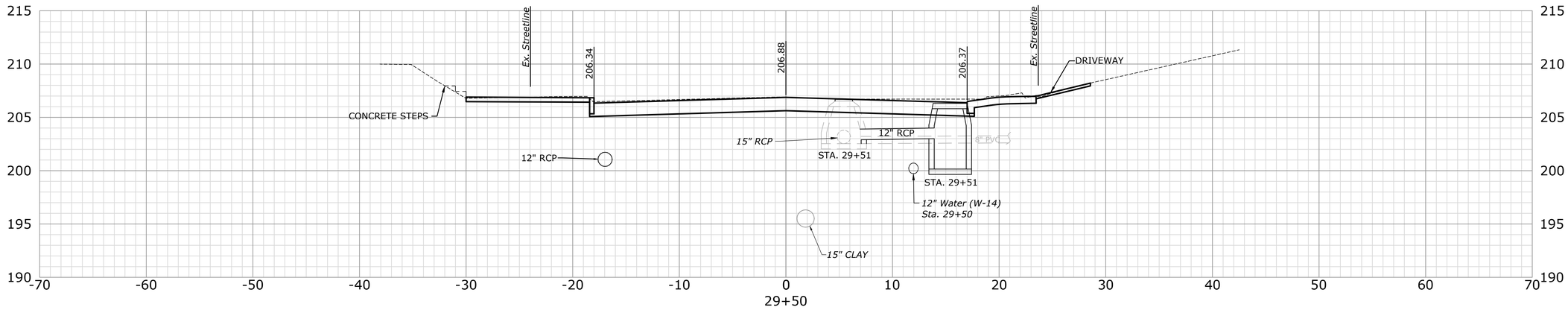

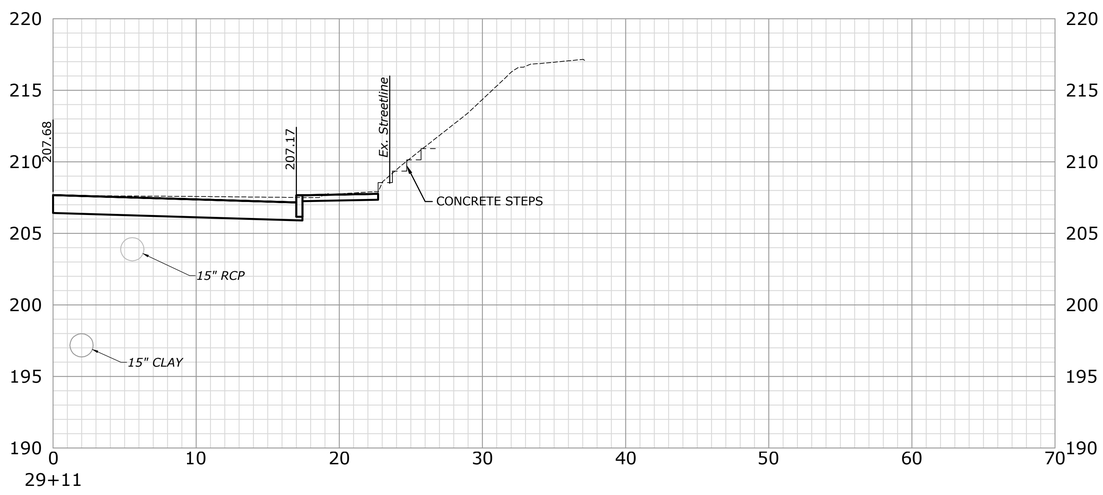

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DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-30

SHEET NO.: 63

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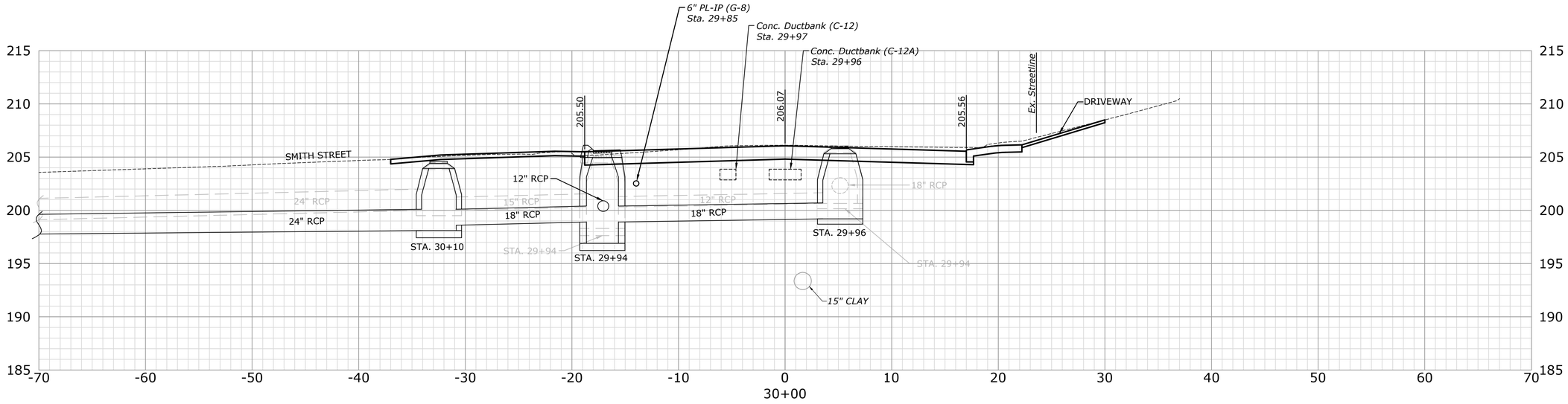

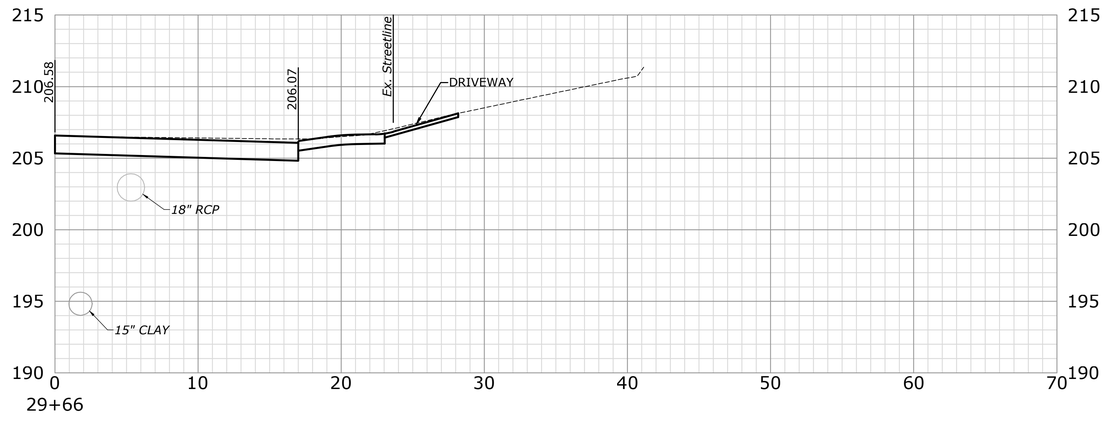

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-31

SHEET NO.: 64

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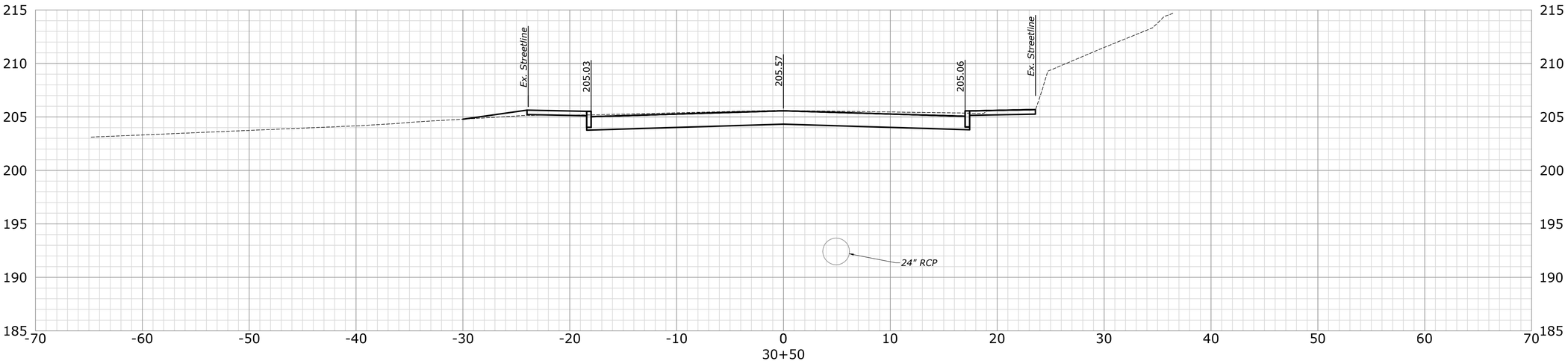

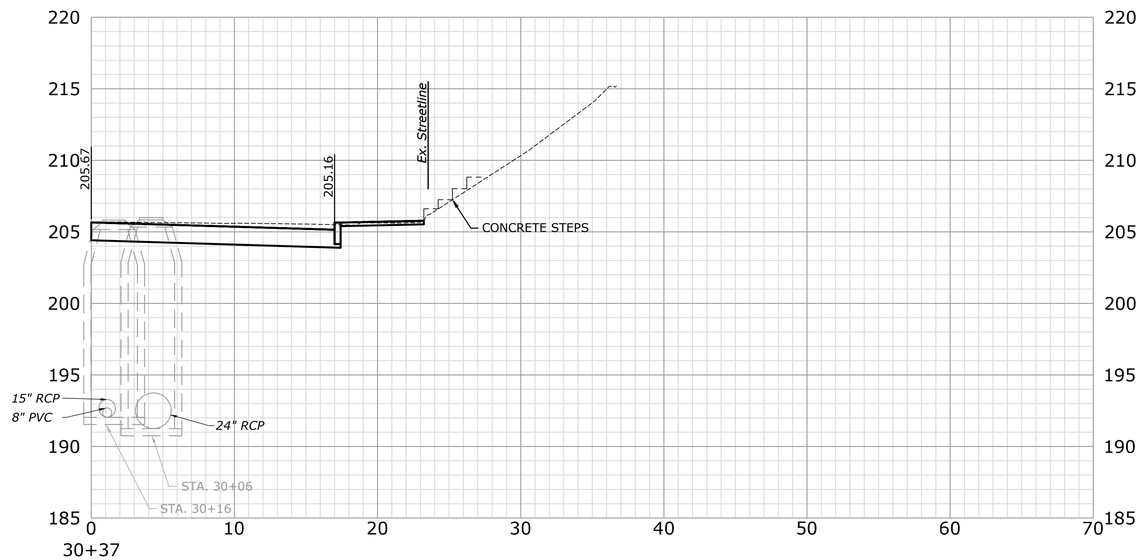

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-32

SHEET NO.: 65

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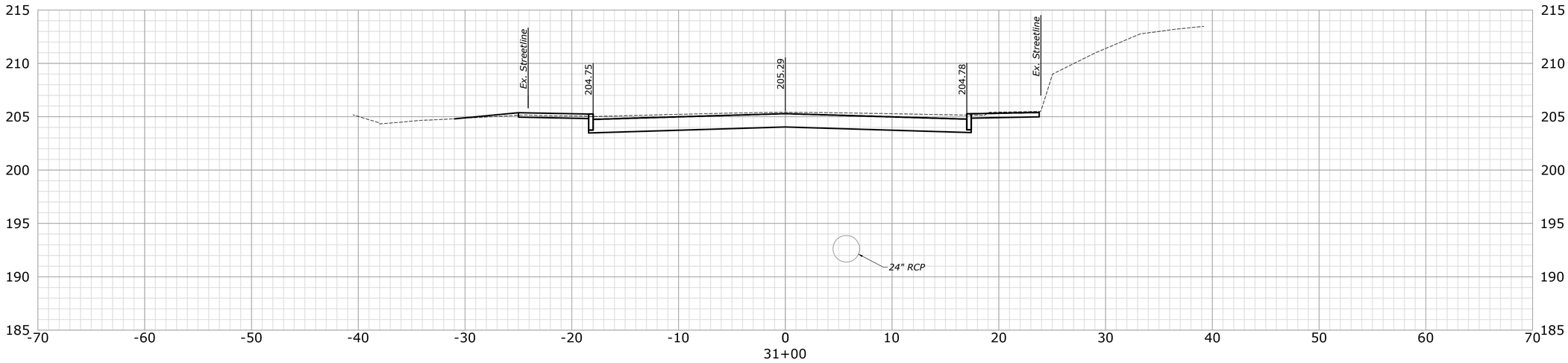
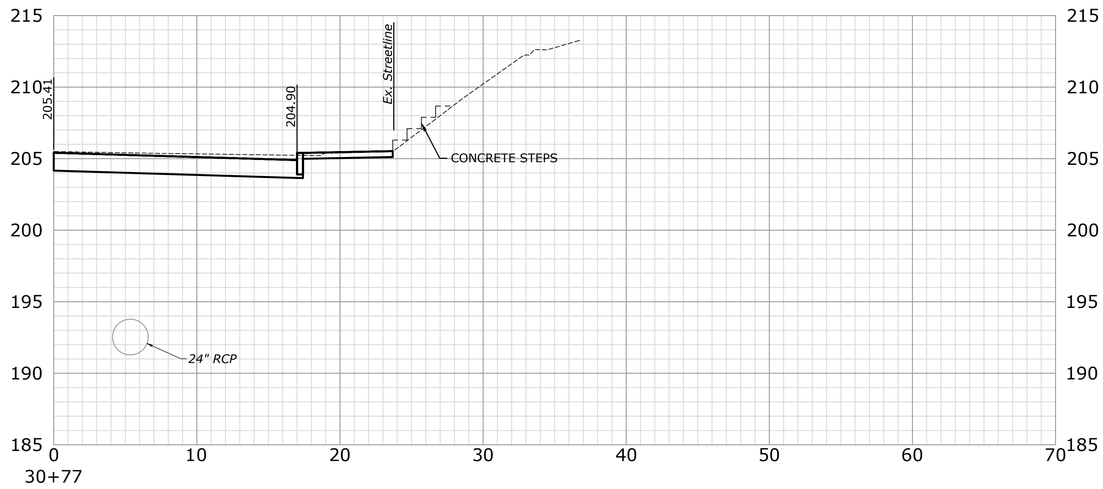


31+00



30+77

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-33

SHEET NO.: 66

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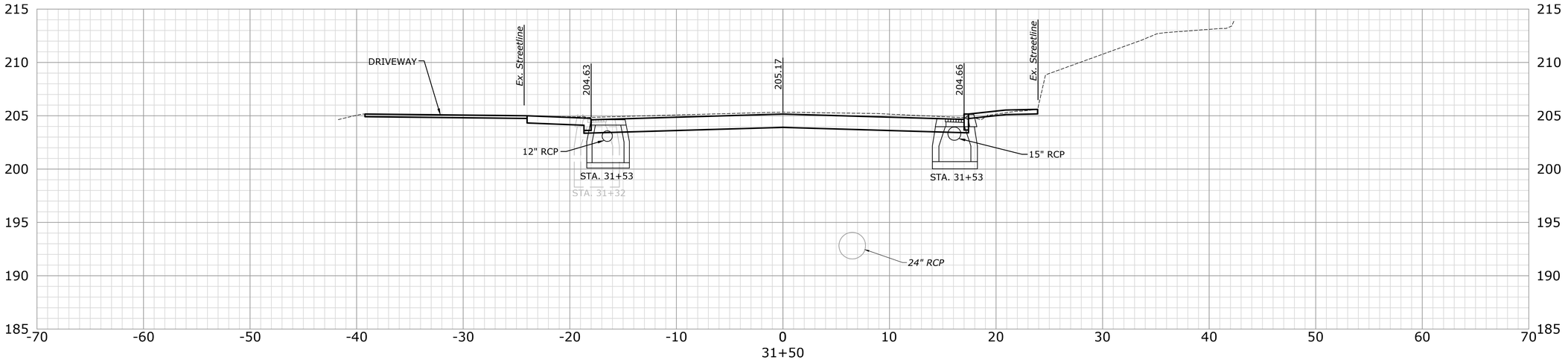

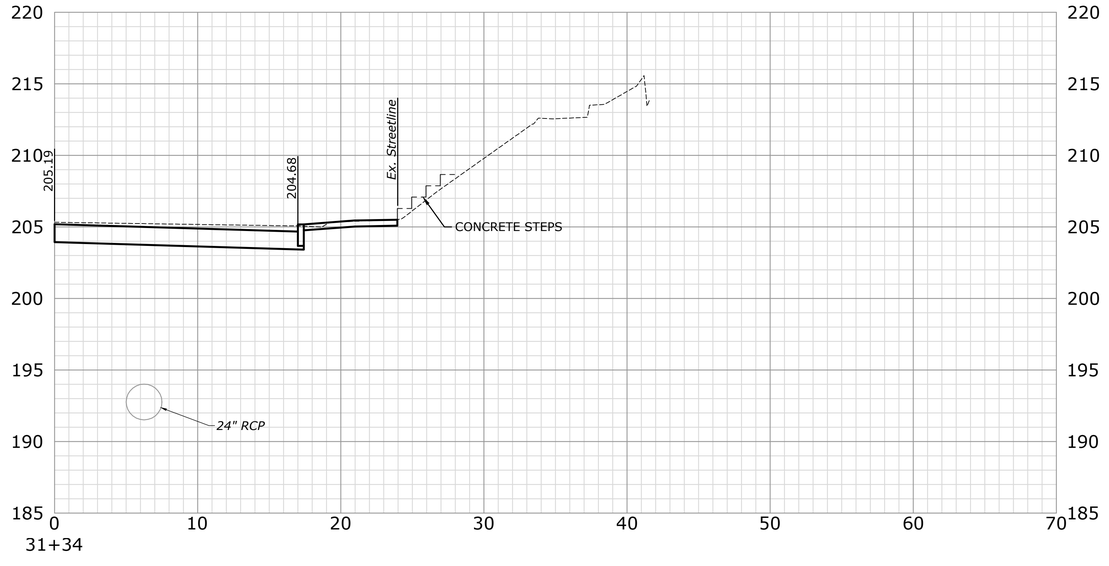

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-34

SHEET NO.: 67

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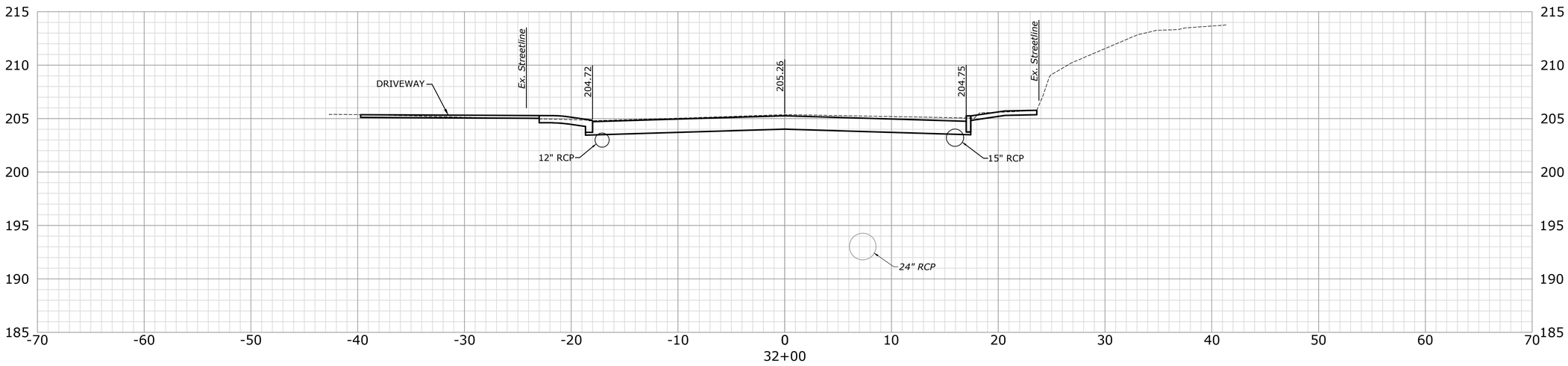
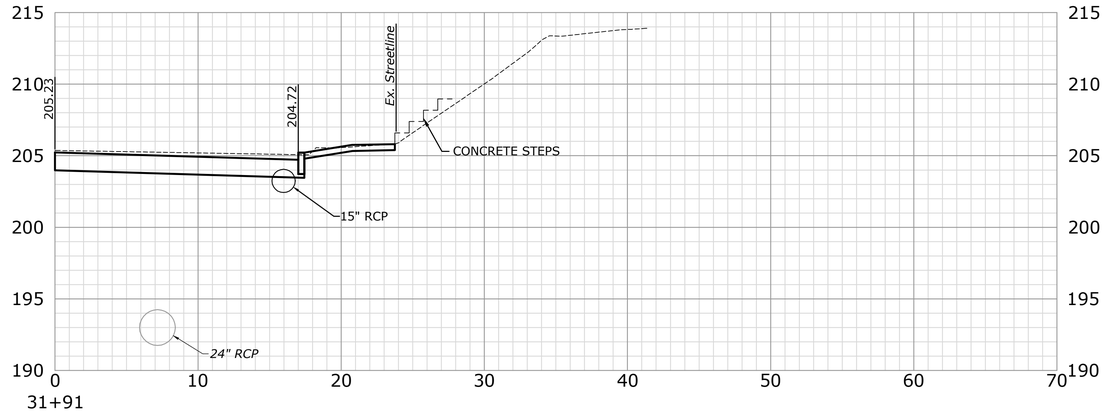


32+00



31+91

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-35

SHEET NO.: 68

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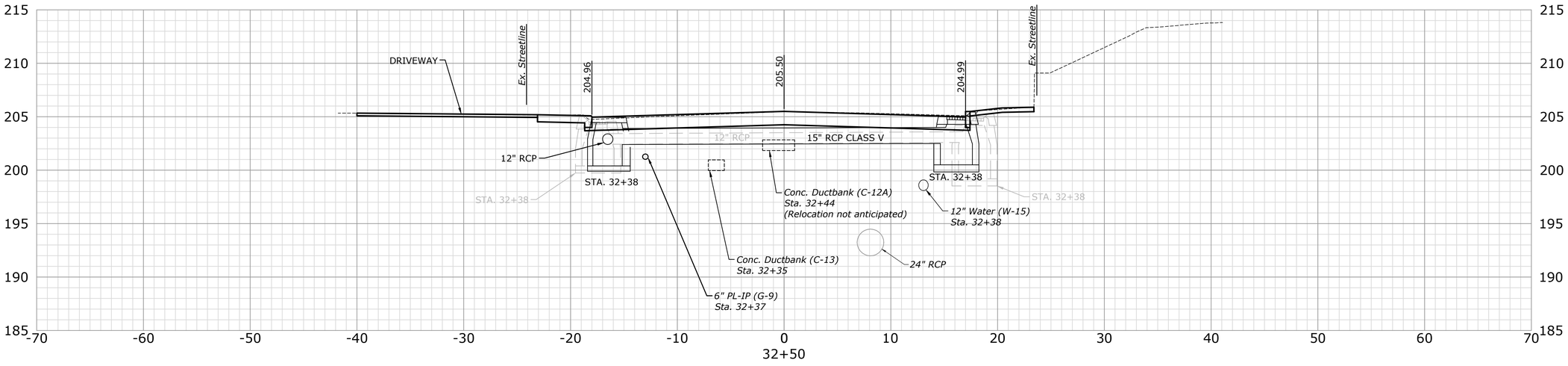

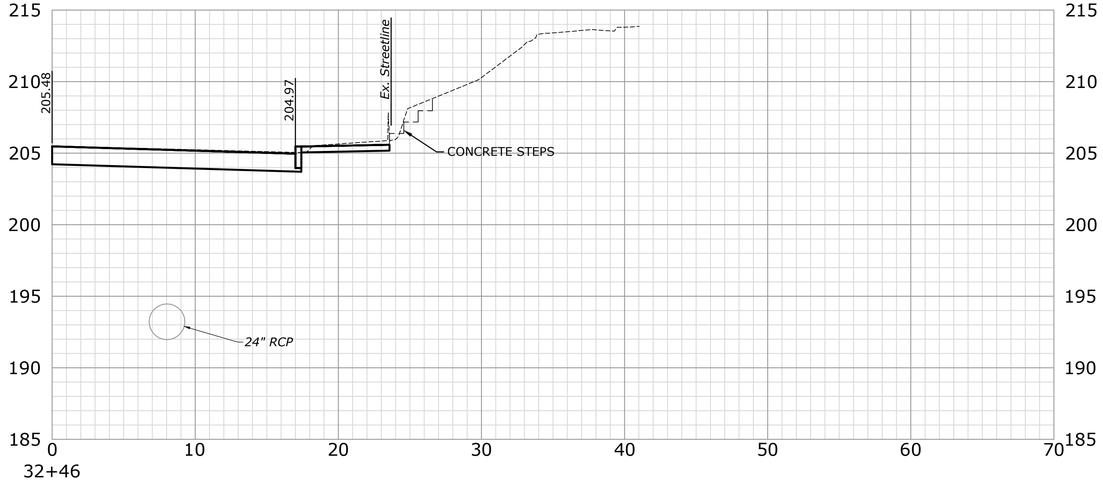

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-36

SHEET NO.: 69

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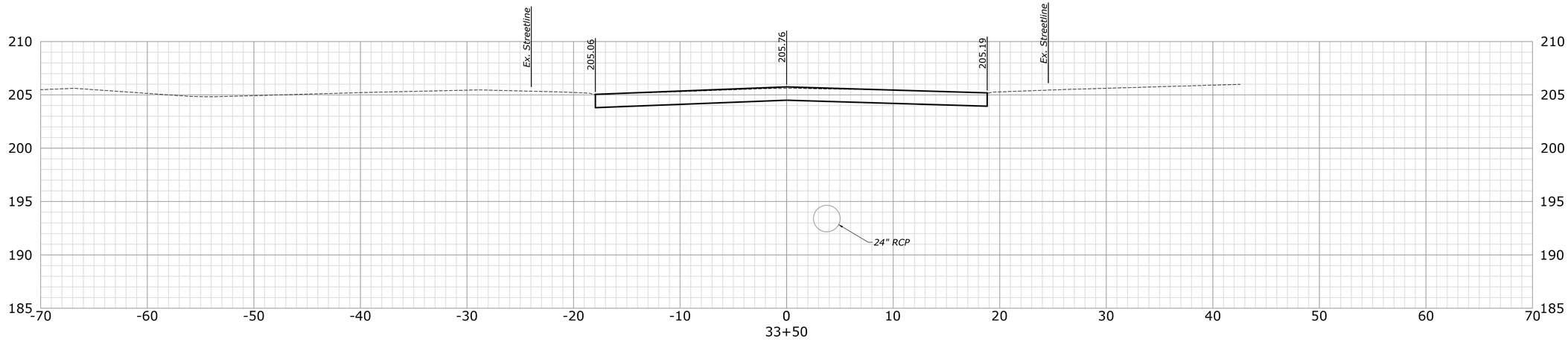

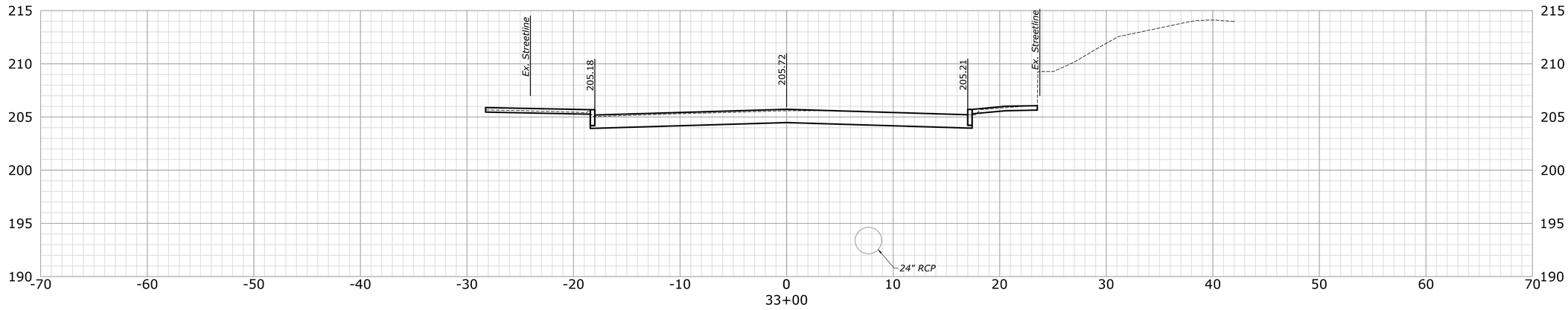

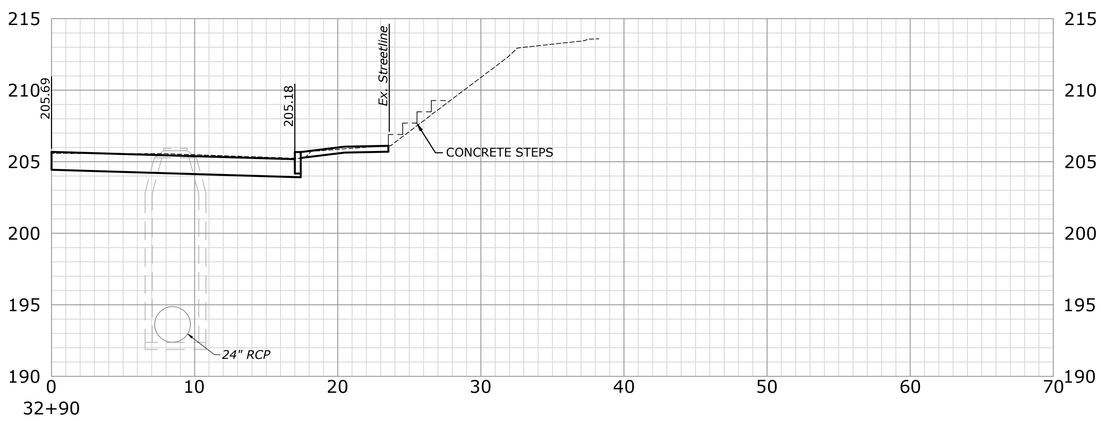

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TDS	TDS	PD
DESIGNED	DRAWN	CHECKED

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-37

SHEET NO.: 70

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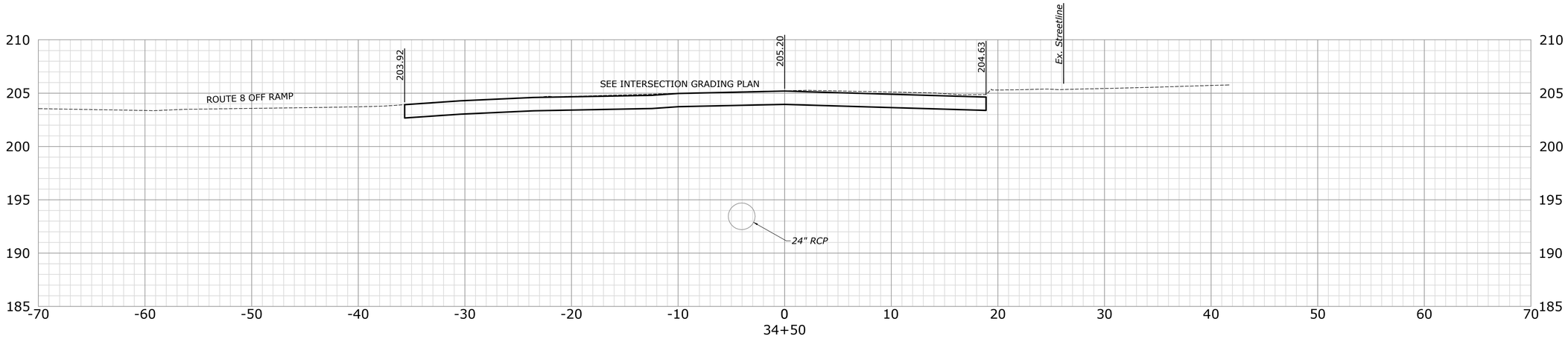

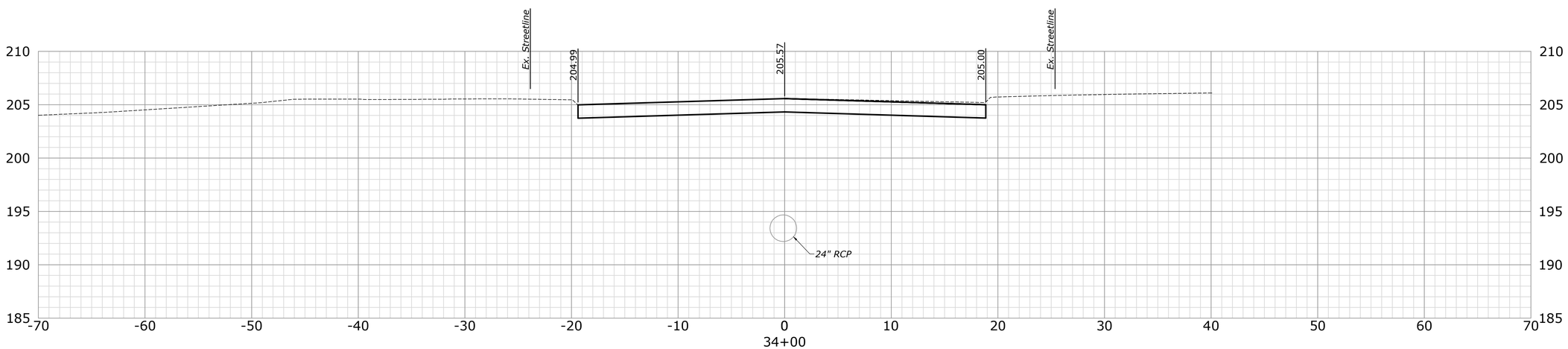

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DESCRIPTION	DATE	BY

CROSS SECTIONS

NORTH MAIN STREET RECONSTRUCTION

NAUGATUCK, CONNECTICUT

DESIGNED	DRAWN	CHECKED
TDS	TDS	PD

SCALE: 1"=5'

DATE: JUNE 22, 2018

PROJECT NO.: 2129-34

SHEET NAME: XSC-38

SHEET NO.: 71

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
☐	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-507_01	TYPE "C", "C-L" & DROP INLET CATCH BASIN	7-24-13
☐	HW-507_02	TYPE "C", "C-L" & DOUBLE GRATE TYPE - I	7-24-13
✓	HW-507_03	TYPE "C", "C-L" & DOUBLE GRATE TYPE - II	7-24-13
☐	HW-507_04	TYPE "C", "C-L" & ROUND PRECAST CONCRETE CB	11-10-11
☐	HW-507_05	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - I	11-10-11
☐	HW-507_06	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - II	11-10-11
✓	HW-507_07	TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS	11-10-11
✓	HW-507_08	CATCH BASIN FRAMES AND GRATES	9-18-09
☐	HW-507_09	HEAVY DUTY LOCK DOWN TOPS	7-12-12
✓	HW-507_10	MANHOLE - FRAME & COVER	7-24-13
✓	HW-651_01	C.C.M. PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE TRENCH DETAIL	7-24-13
☐	HW-651_02	SLOTTED DRAIN PIPE 12"- 15"-18"-24"-30" (305-381-457-610-762)	7-12-12
☐	HW-652_01	PIPE ENDS	7-24-13
☐	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" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	7-24-13
☐	HW-821_02b	45" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	7-24-13
☐	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
☐	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

✓*	SHEET NO.	TITLE	APPROVAL DATE**
☐	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-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
☐	HW-905_01	STONE WALL, FARM WALL AND WIRE FENCES	6-07-17
☐	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)	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	6-09-11
☐	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
☐	HW-910_12a	MERRITT PARKWAY GUIDERAIL ATTACHMENT - SYSTEM 2 & 3	7-24-13
☐	HW-910_12b	MERRITT PARKWAY GUIDERAIL	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)	10-18-10
☐	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13

REV.	DATE	REVISION DESCRIPTION
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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: 9/20/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD (9-13-17 to be posted)\dgn\HW-INX_1

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

HW_INX

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
☐	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	1-05-18
☐	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	1-05-18
☐	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF AND QUARTER POST SPACING	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-911_01	R-B END ANCHORAGE TYPE I AND II	1-05-18
☐	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_01	CHAIN LINK FENCE	7-12-12
☐	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
✓	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	6-07-17
☐	HW-949_01	PLANTING DETAILS FOR TREES	7-12-12
☐	HW-949_02	PLANTING DETAILS FOR SHRUBS	7-12-12
☐	HW-1800_01	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (FLARED)	6-20-11
☐	HW-1800_02	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)	6-09-11
☐	HW-1800_03	TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL)	1-05-18

✓*	SHEET NO.	TITLE	APPROVAL DATE**

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
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Plotted Date: 1/5/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: 2 - HW-INX_2

CTDOT
STANDARD SHEET

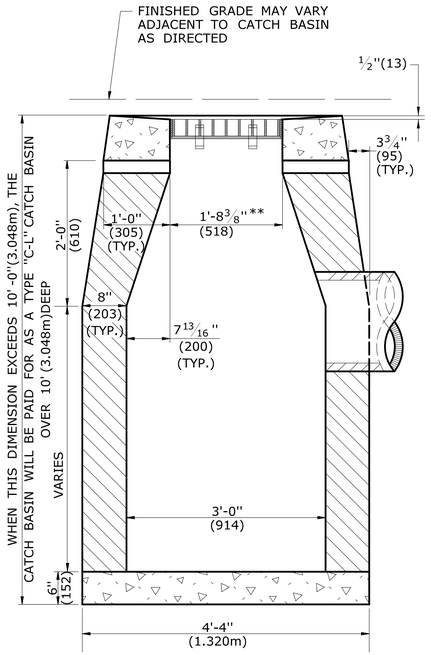
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

HIGHWAY
STANDARD SHEET INDEX

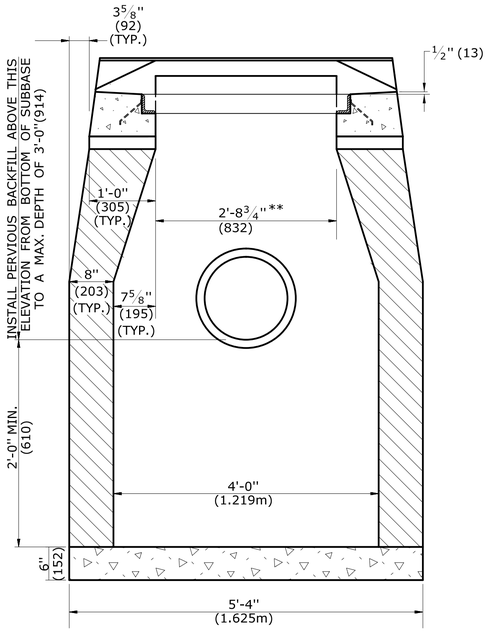
STANDARD SHEET NO.:

HW_INX
2 of 2



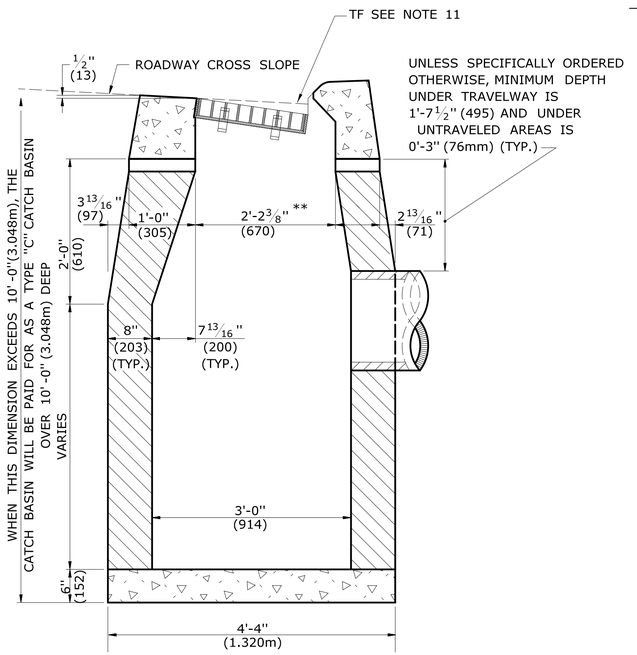
SECTION B

TYPE "C-L" CATCH BASIN



SECTION A

TYPE "C" & "C-L" CATCH BASIN
(TYPE "C" TOP SHOWN)

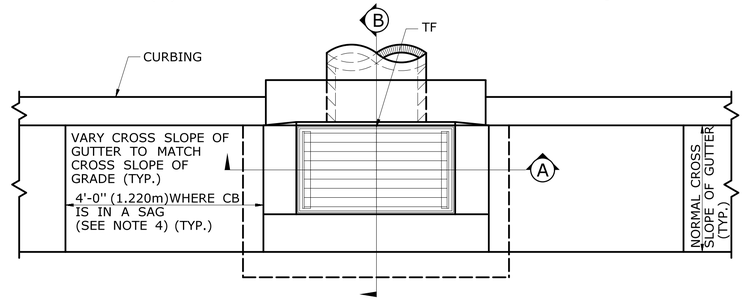


SECTION B

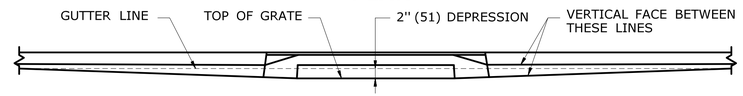
TYPE "C" CATCH BASIN

GENERAL NOTES:

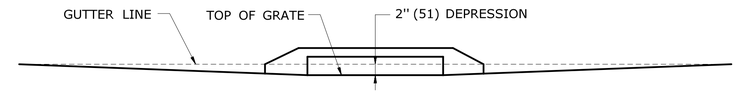
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305mm) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75mm.) NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10'(3.048m) DEEP SHALL BE INCREASED TO 12" (305mm) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" (305mm) THICKNESS WILL START AFTER THE FIRST 10'(3.048m).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE @ GUTTER LINE.



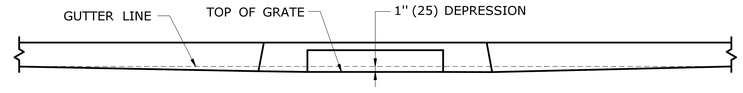
PLAN



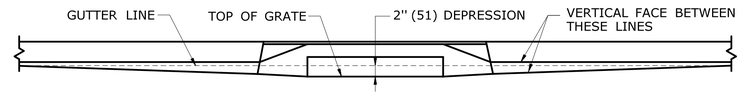
FOR CATCH BASINS IN A LINE OF 4" (102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



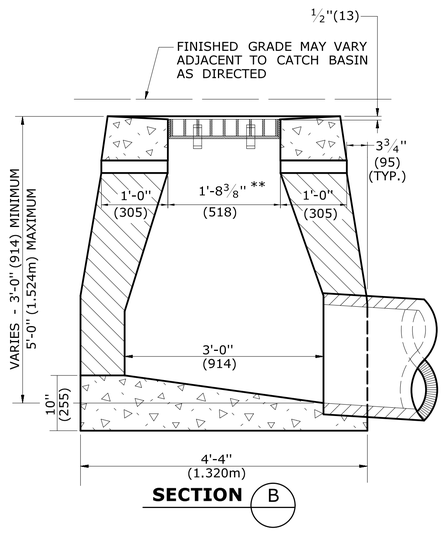
FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING

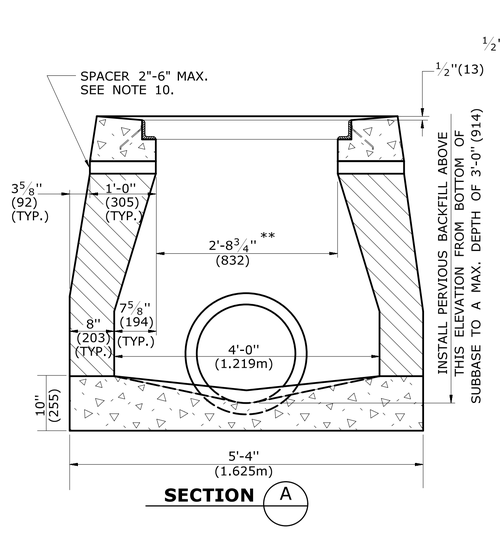


FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)



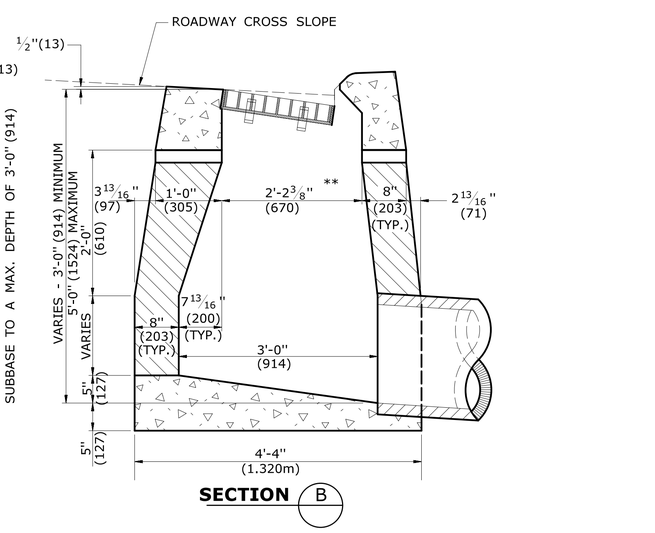
SECTION B

TYPE "C-L" DROP INLET



SECTION A

TYPE "C" & "C-L" DROP INLET
(TYPE "C-L" TOP SHOWN)



SECTION B

TYPE "C" DROP INLET

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

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

REV.	DATE	REVISION DESCRIPTION
4	7/13	ADD NOTE 11 -
3	9/30/11	ADD SPACERS AND NOTE 10. -
2	9/15/11	MODIFIED DETAILS TO BE CONSISTANT WITH PRECAST -
1	7/28/11	REMOVE MIN. DROP NOTE -
-	-	- -
-	-	- -

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Plotted Date: 6/10/2013

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD2013.dgn Model: 6-HW-507_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

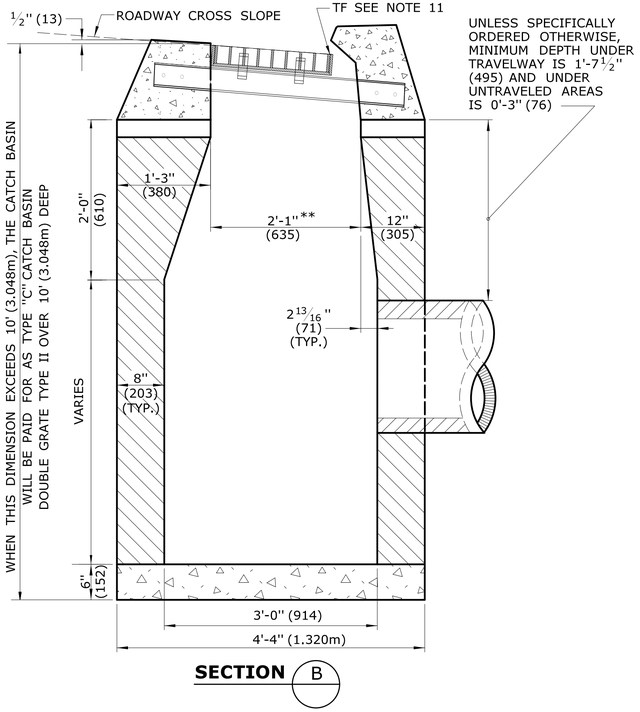
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

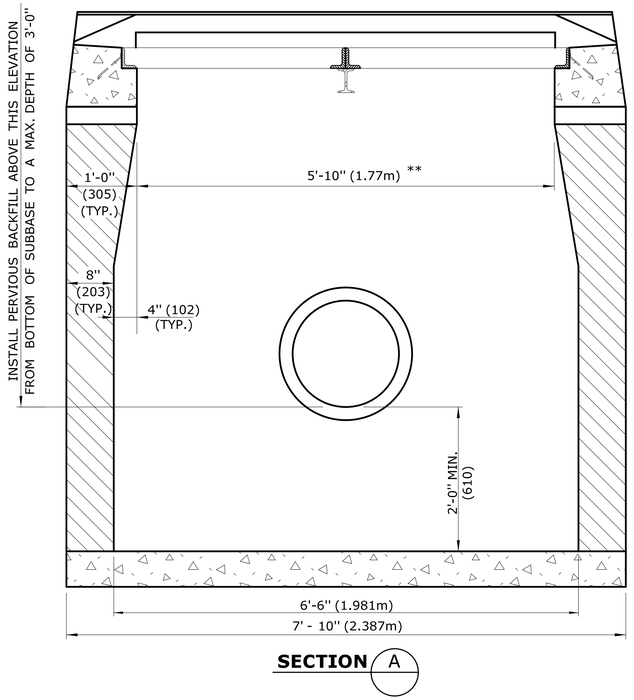
TYPE "C", "C-L" & DROP INLET CATCH BASIN

STANDARD SHEET NO.:

HW-507_01

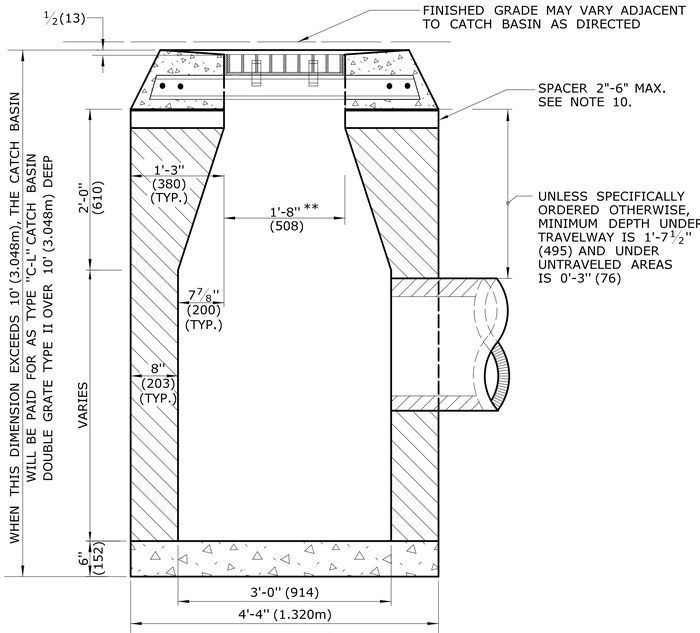


SECTION B

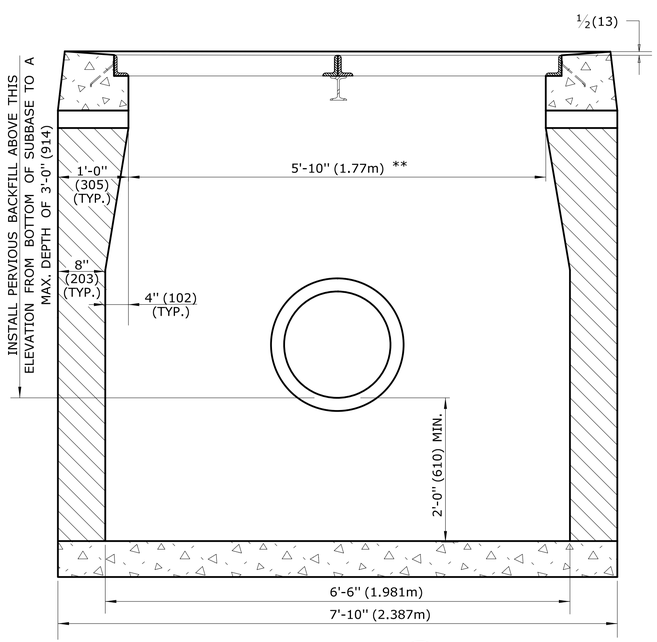


SECTION A

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II



SECTION B

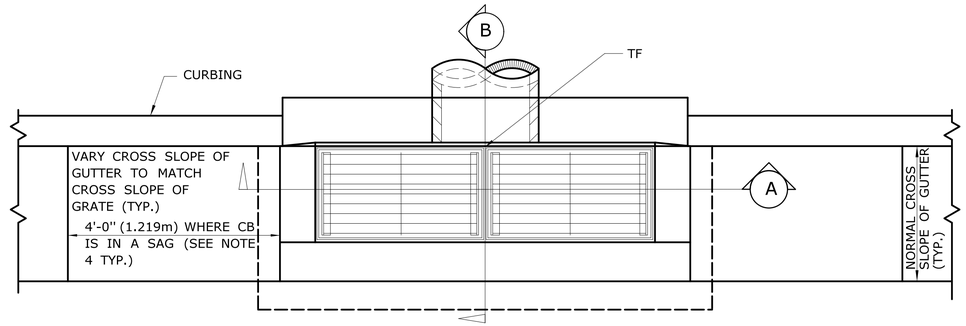


SECTION A

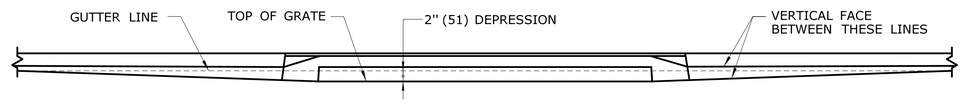
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II

GENERAL NOTES:

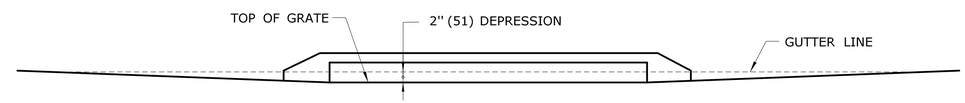
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75). NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m)DEEP SHALL BE INCREASED TO 12" (305) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m)).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN BETWEEN BOTH GRATES @ THE GUTTER.



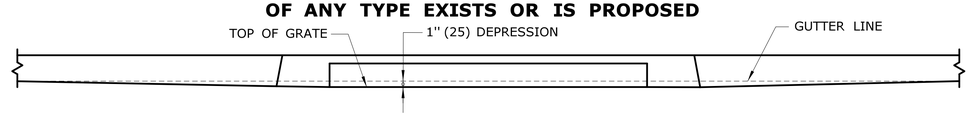
PLAN



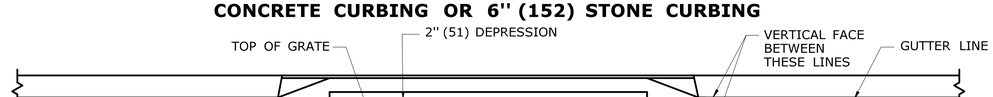
FOR CATCH BASINS IN A LINE OF 4"(102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN DOUBLE GRATE TYPE II

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

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
4	7/13	ADD NOTE 11
3	10/3/11	ADD SPACERS AND NOTE 10.
2	9/15/11	MODIFIED DETAILS TO BE CONSISTANT WITH PRECAST
1	7/28/11	REMOVE MIN. DROP NOTE

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: 3/21/2013

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: June2013.dgn Model: HW-507_03

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

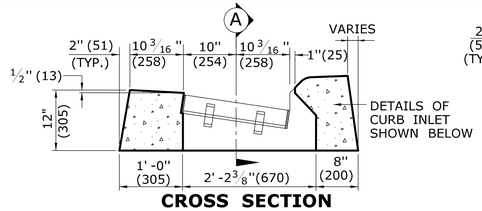
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

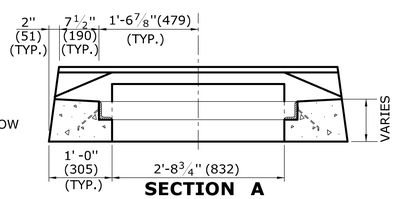
TYPE "C" , "C-L" & DOUBLE GRATE TYPE - II

STANDARD SHEET NO.:

HW-507_03

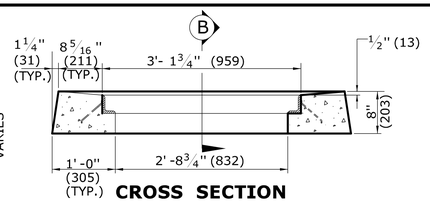


CROSS SECTION

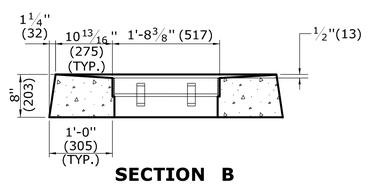


SECTION A

TYPE "C" CATCH BASIN TOP



CROSS SECTION

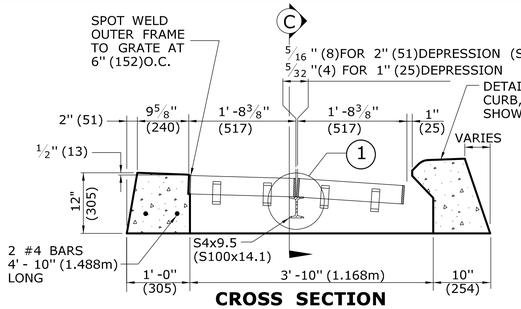


SECTION B

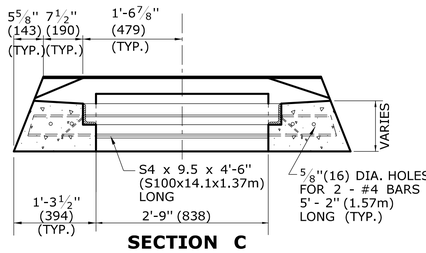
TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.

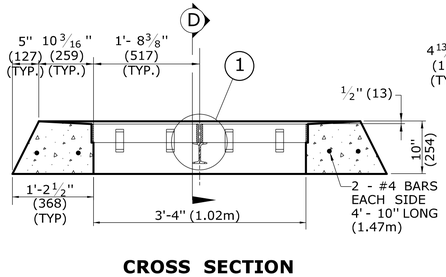


CROSS SECTION

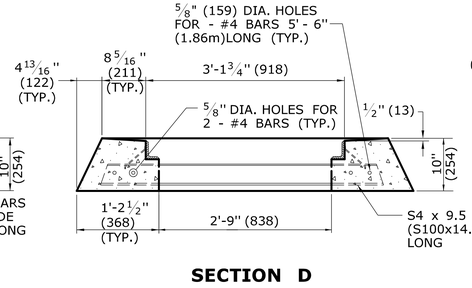


SECTION C

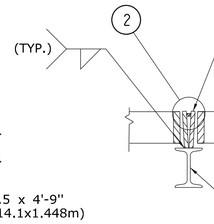
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



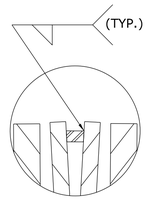
CROSS SECTION



SECTION D

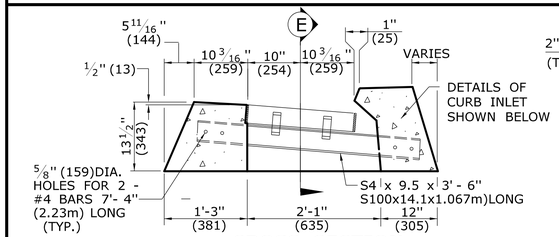


DETAIL "1"

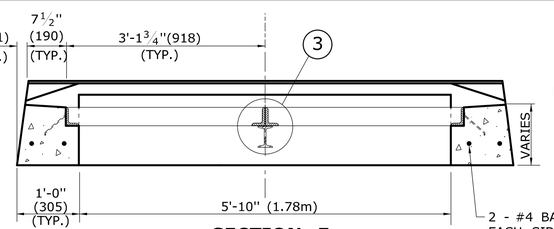


DETAIL "2"

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

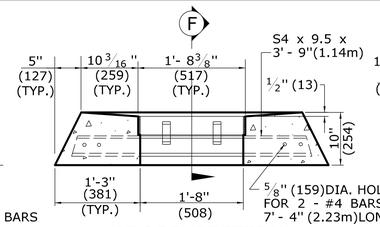


CROSS SECTION

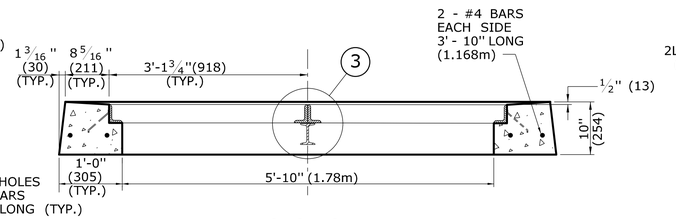


SECTION E

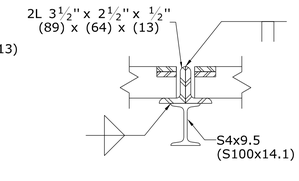
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP



CROSS SECTION

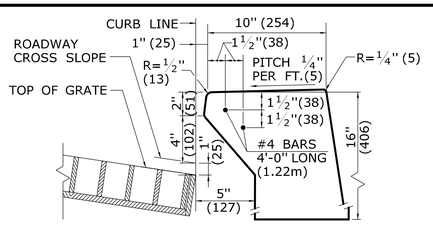


SECTION F

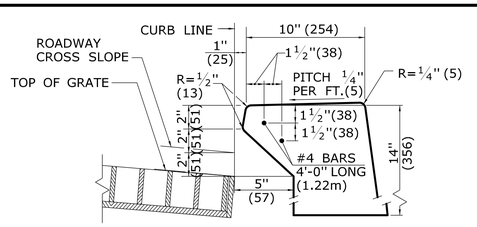


DETAIL "3"

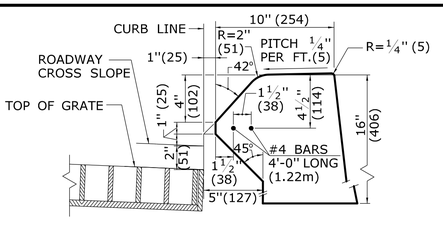
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



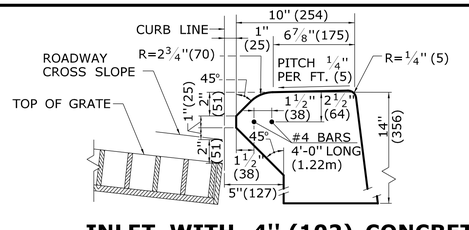
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB



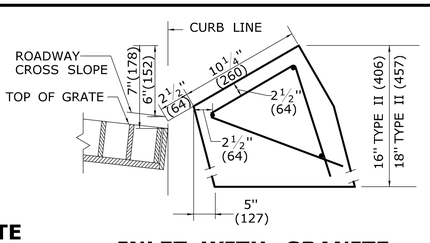
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



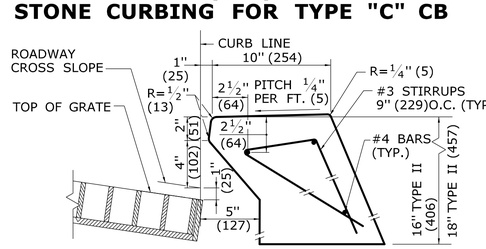
INLET WITH 6" (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



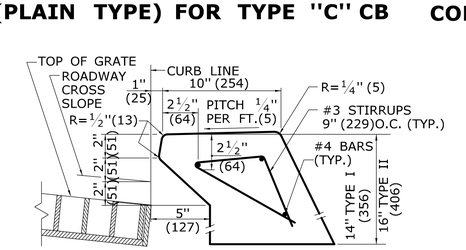
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB



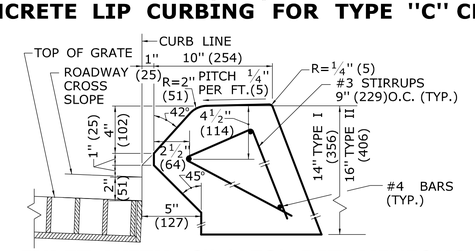
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



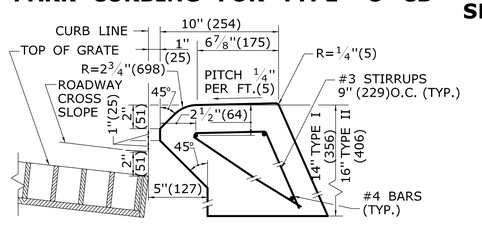
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



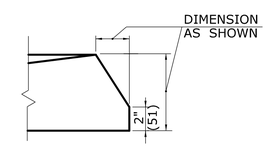
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

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

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
2	7/28/11	REMOVE MIN. DROP NOTE
1	6/01/10	REVISE CALL-OUT

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: 11/10/2011

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HWY_STD_Nov2011.dgn Model: 12-HW-507_07

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

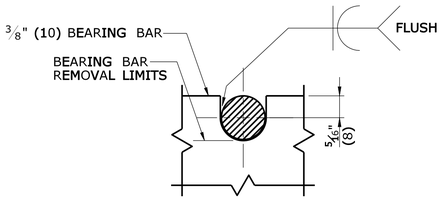
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS

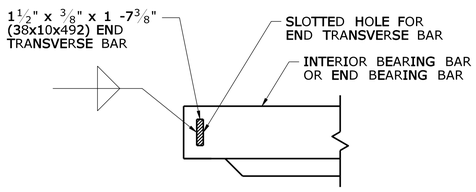
STANDARD SHEET NO.:

HW-507_07

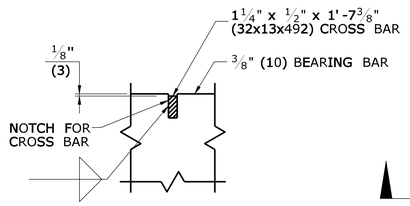


NOTE:
5/8" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

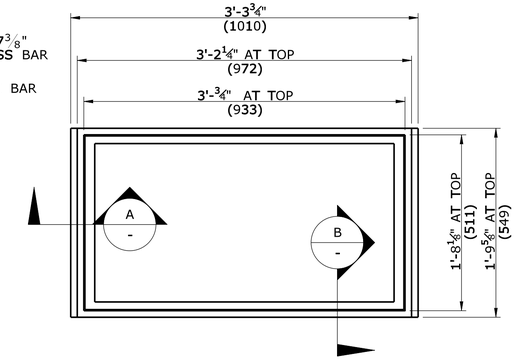
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A & B



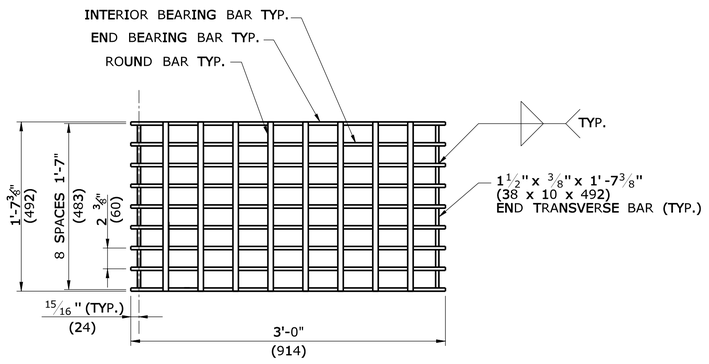
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



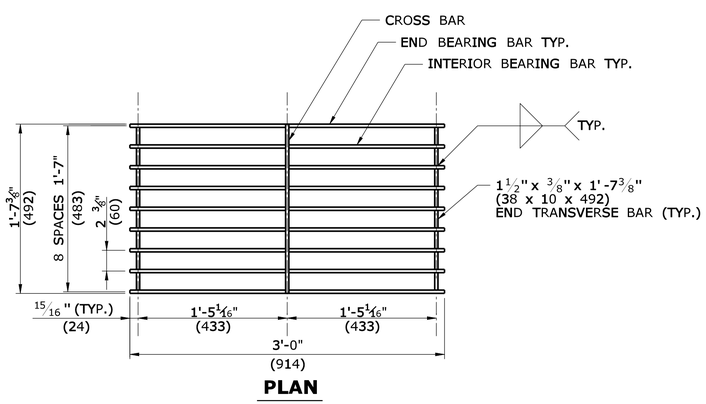
PLAN

GENERAL NOTES:

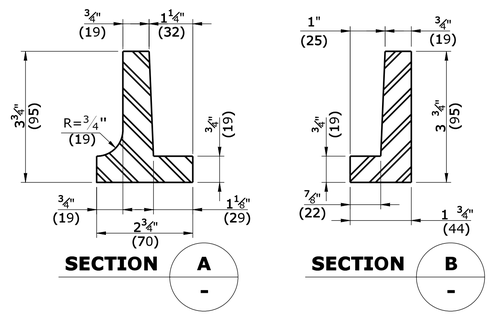
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. DO NOT GALVANIZE CAST IRON FRAMES.
6. DIMENSIONAL TOLERANCES SHALL BE ±1/16".(1.6)
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.



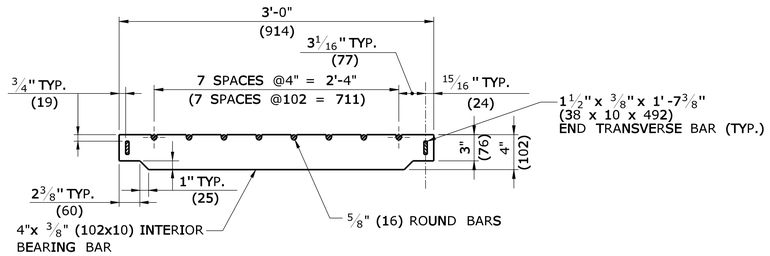
PLAN



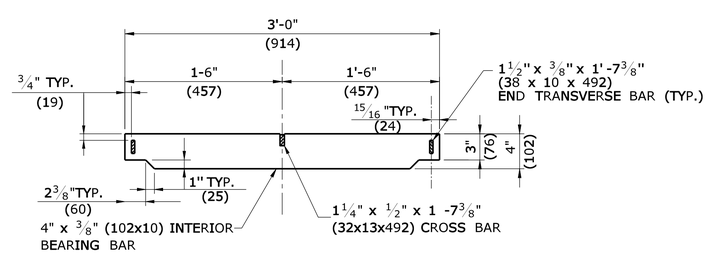
PLAN



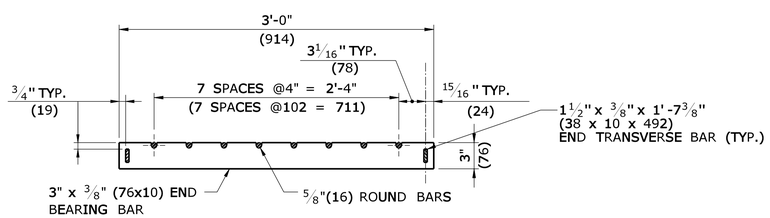
CAST IRON FRAME ALTERNATE



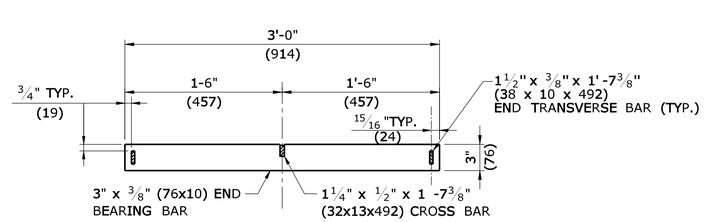
ELEVATION- INTERIOR BEARING BAR



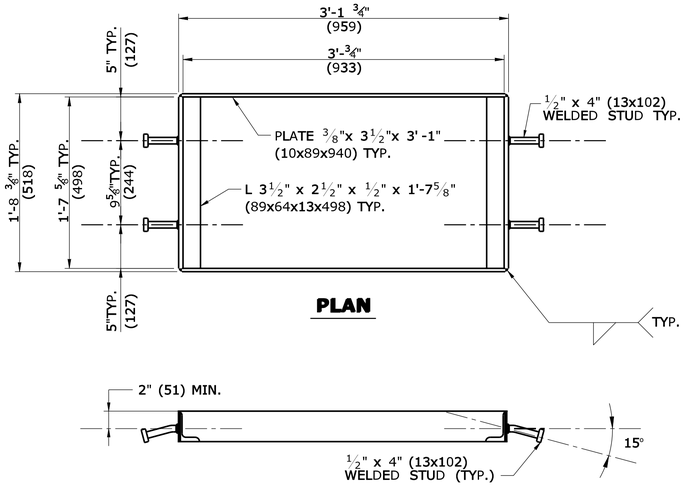
ELEVATION- INTERIOR BEARING BAR



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

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

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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: 9/11/2009

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507_08

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

CATCH BASIN FRAMES AND GRATES

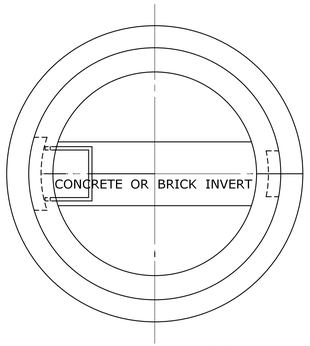
STANDARD SHEET NO.: HW-507_08

GENERAL NOTES:

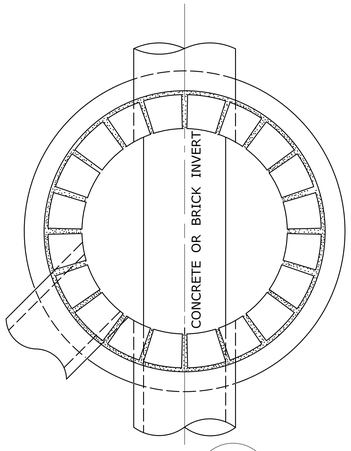
1. CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK OR MASONRY.
2. A FRAME DIAMETER OF 3'-3" (991) WITH 4" (102) FLANGE MUST BE USED WHEN THE TOP DIAMETER OF THE PRECAST CONE IS LESS THAN 3'-6" (1067). ALL OTHER FRAME DIMENSIONS SHALL REMAIN THE SAME.
3. COVER:

	CAST IRON	STEEL
MIN. COVER WEIGHT	134LB.(61kg)	134LB.(61kg)

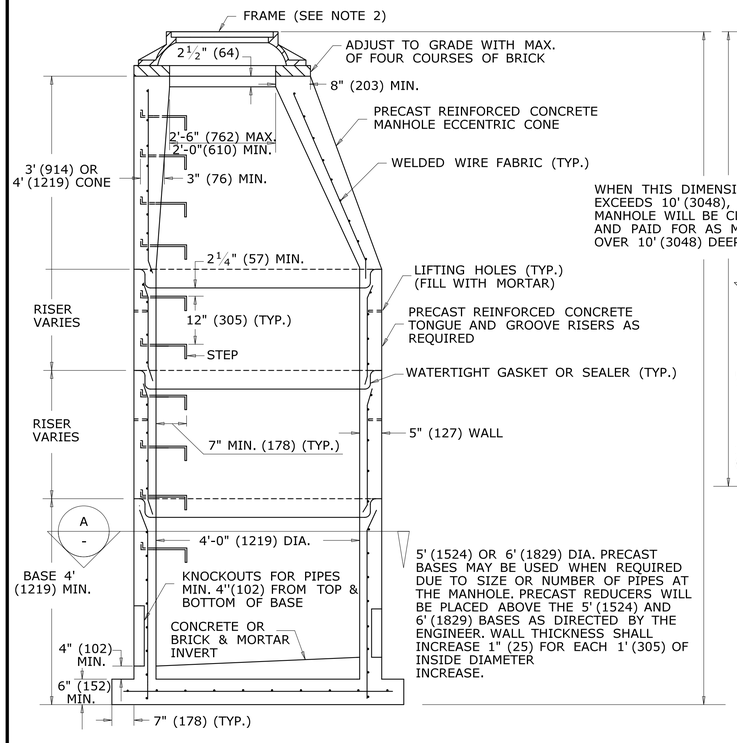
4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.



SECTION A -



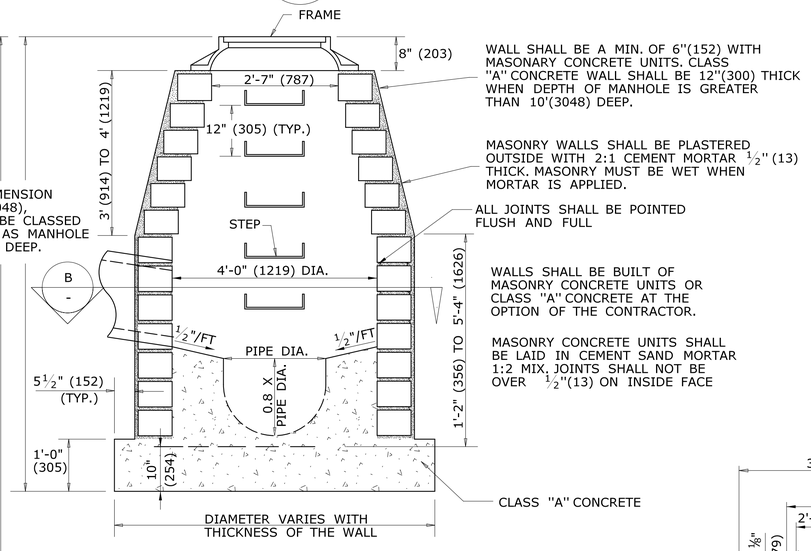
SECTION B -



ELEVATION

MANHOLE

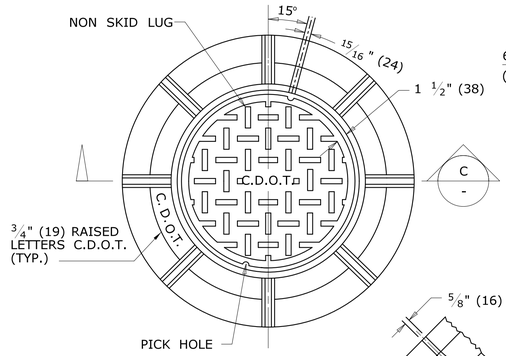
REINFORCED PRECAST CONCRETE UNIT



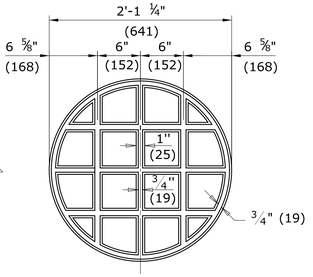
ELEVATION

MANHOLE

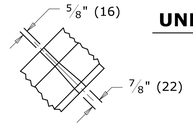
MASONARY CONCRETE UNIT OR CLASS "A" CONCRETE

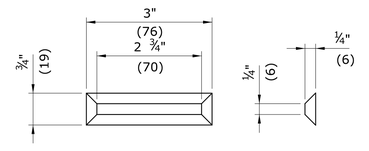


PLAN

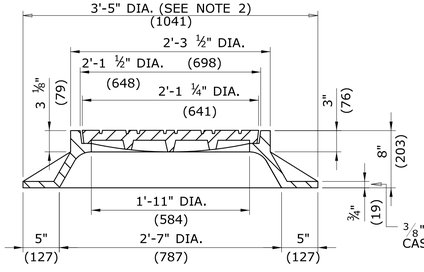


UNDERSIDE OF COVER DETAIL

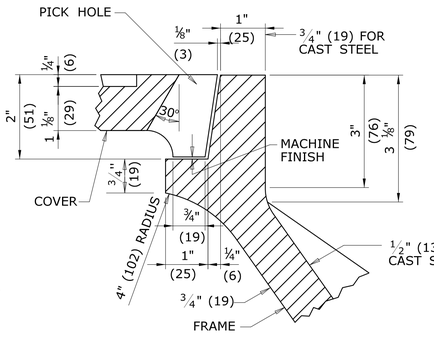




NON SKID LUG DETAIL



SECTION C -



DETAIL OF SEAT

FRAME AND COVER DETAILS

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

REV.	DATE	REVISION DESCRIPTION
1	6/11	REVISE STEP WIDTH PER OSHA
2	7/13	REVISE COVER FRAME WEIGHT
-	-	-
-	-	-
-	-	-
-	-	-

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: 6/13/2013

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD2013.dgn Model: 15-HW-507_10

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

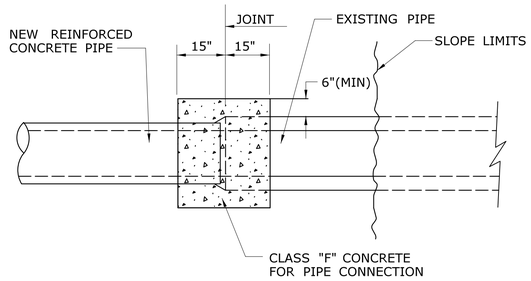
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

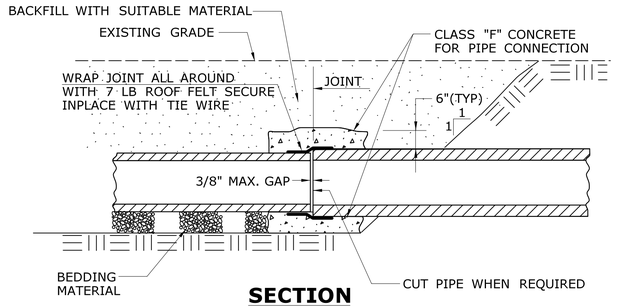
MANHOLE - FRAME & COVER

STANDARD SHEET NO.:

HW-507_10



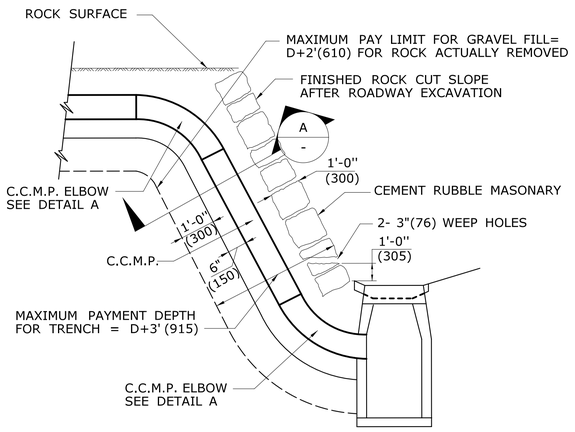
PLAN



SECTION
CONCRETE PIPE CONNECTION

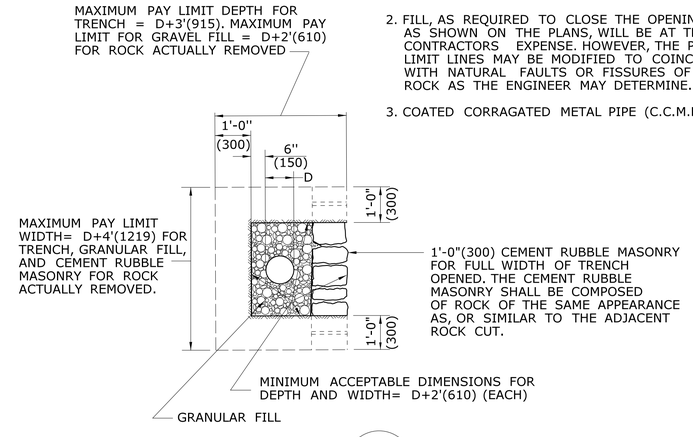
NOTES:

1. "CONCRETE PIPE CONNECTION" IS INTENDED FOR USE WHERE A REINFORCED CONCRETE PIPE REPAIR OR MODIFICATION IS NEEDED SOMEWHERE WITHIN A PIPE RUN WHERE A BELL/SPIGOT JOINT CANNOT BE ACHIEVED.
2. MAINTAIN INTERIOR ALIGNMENT OF PIPE AT JOINTS UNTIL CONCRETE IS PROPERLY CURED.
3. BACKFILL OF PIPE REPAIR WITH SUITABLE MATERIAL MAY NOT TAKE PLACE UNTIL CONCRETE IS PROPERLY CURED.
4. CONTRACTOR SHALL MAINTAIN LINE AND GRADE OF PIPE REPAIR OR MODIFICATION BY METHODS APPROVED BY THE ENGINEER.
5. HOLES OR GAPS AT JOINT LARGER THAN 3/8" SHALL BE FILLED OR WRAPED TO PREVENT CONCRETE FROM ENTERING PIPE.
6. TRENCH EXCAVATION SHALL BE TO THE MAXIMUM EXTENT NEEDED TO PERFORM WORK.



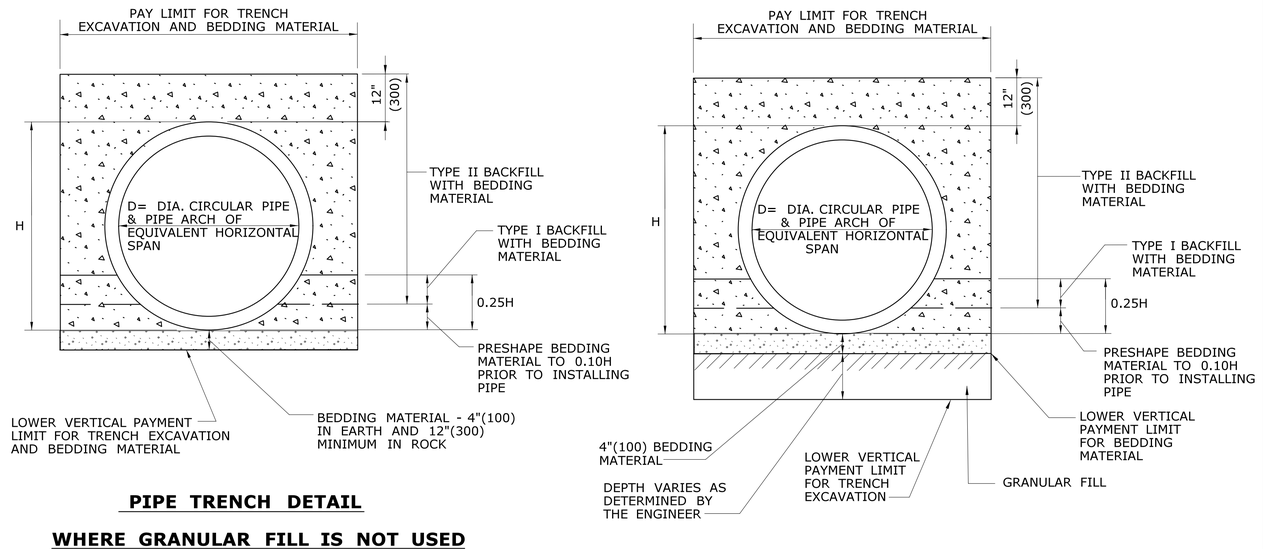
GENERAL NOTES:

1. ROCK REMOVED BEYOND THE MAXIMUM PAY LIMIT SHOWN SHALL BE REPLACED WITH CEMENT RUBBLE MASONRY AND GRANULAR FILL.
2. FILL, AS REQUIRED TO CLOSE THE OPENING AS SHOWN ON THE PLANS, WILL BE AT THE CONTRACTORS EXPENSE. HOWEVER, THE PAY LIMIT LINES MAY BE MODIFIED TO COINCIDE WITH NATURAL FAULTS OR FISSURES OF ROCK AS THE ENGINEER MAY DETERMINE.
3. COATED CORRAGATED METAL PIPE (C.C.M.P.)



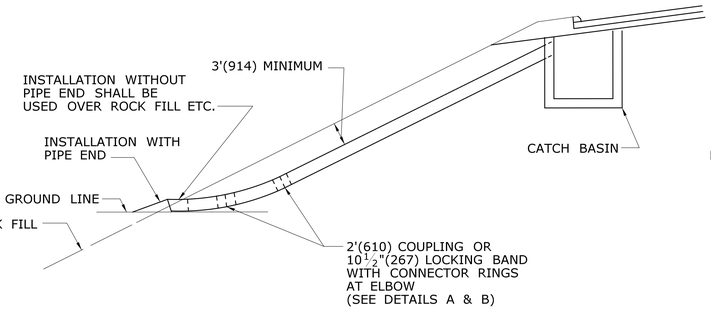
SECTION A - A

TYPICAL INSTALLATION OF C.C.M.P. IN ROCK SLOPE



PIPE TRENCH DETAIL
WHERE GRANULAR FILL IS NOT USED

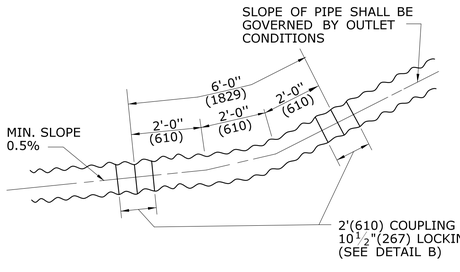
PIPE TRENCH DETAIL
WHERE GRANULAR FILL IS USED AS BEDDING



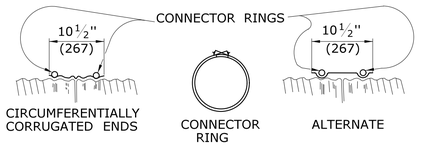
TYPICAL INSTALLATION OF C.C.M.P ELBOW IN FILL SLOPE

TABLE C
CONNECTOR RINGS

PIPE DIAMETER	LENGTH OF RING
12" (300)	52" (1321)
15" (381)	61" (1549)
18" (457)	71" (1803)
21" (533)	80" (2032)
24" (610)	90" (2286)
30" (762)	108" (2743)
36" (915)	128" (3251)
42" (1066)	147" (3734)
48" (1219)	166" (4216)



DETAIL A
C.C.M.P. ELBOW AND COUPLING



RODS: 7/16"(11) DIAMETER ELECTRO-GALVANIZED WITH 6"(152) LENGTH OF ½"(13) ROLLED THREADS EACH END, FURNISHED CURVED, TO FIT PIPE. SEE TABLE C

LUGS: DOUBLE TAKE UP, CAST IRON, ELECTRO-GALVINIZED.

NOTE: THE COUPLER FASTENING DEVICE SHALL NOT INTERFERE WITH INSTALLATION OF CONNECTOR RINGS.

DETAIL B
ELBOW DIMENSIONS

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

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
3	7/13	ADD CONCRETE PIPE CONNECTION DETAIL
2	6/01/10	REVISE TITLE TO SAY TRENCH DETAIL
1	6/01/10	REMOVE GRAVEL, REPLACE W/ GRANULAR

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: 6/13/2013

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD2013.dgn Model: 17-HW-651_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

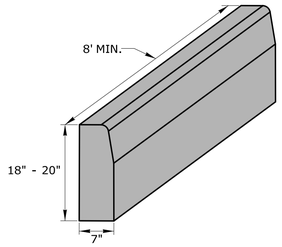
C.C.M.PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE TRENCH DETAIL

STANDARD SHEET NO.:

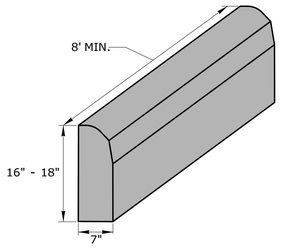
HW-651_01

GENERAL NOTE:

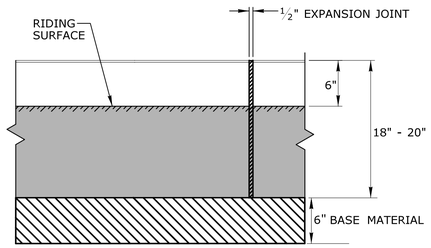
1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



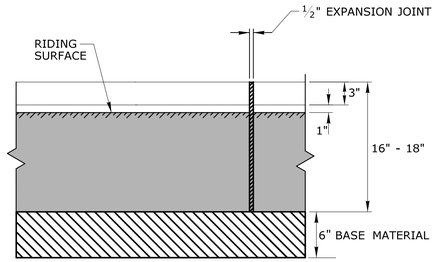
CONCRETE CURBING (6" REVEAL)



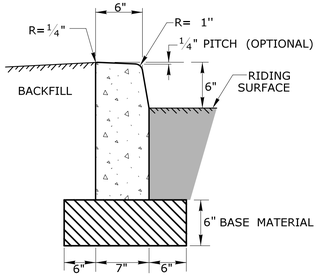
CONCRETE PARK CURBING (4" REVEAL)



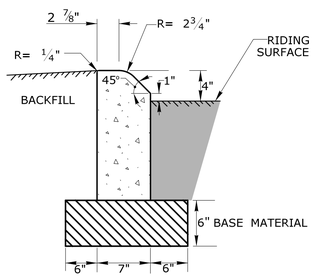
FRONT ELEVATION



FRONT ELEVATION



SECTION



SECTION

REV.	DATE	REVISION DESCRIPTION
1	6/01/10	REVISED TITLE FOR 6" CONC. CURB
2	6/17	REMOVED STONE, BITUMINOUS & GRANITE ITEMS

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: HW-811_01.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:

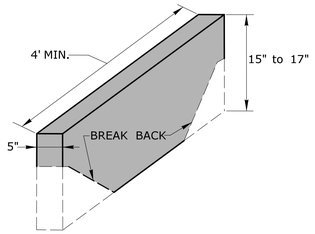
APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

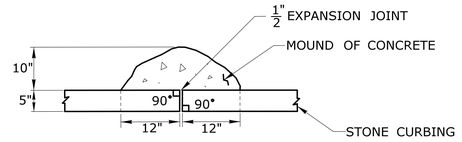
OFFICE OF ENGINEERING

STANDARD SHEET TITLE: CONCRETE CURBING

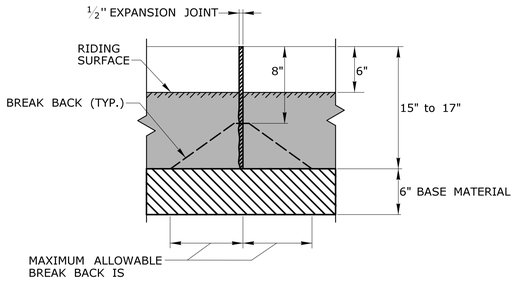
STANDARD SHEET NO.: HW-811_01



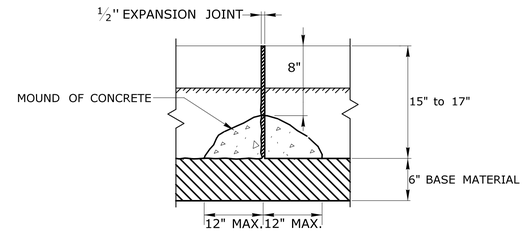
STONE CURBING



PLAN

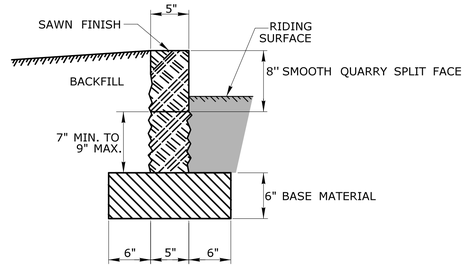


FRONT ELEVATION



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING



SECTION

REV.	DATE	REVISION DESCRIPTION
1	6/17	NEW SHEET

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: HW-813_02.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

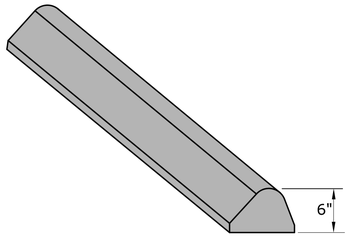
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

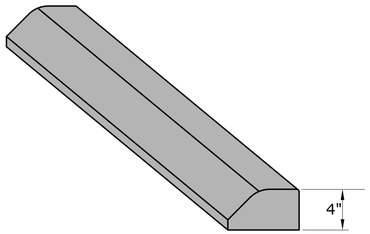
STONE CURBING

STANDARD SHEET NO.:

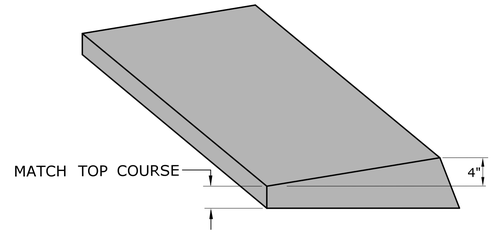
HW-813_02



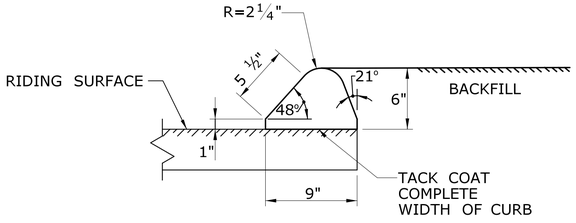
BITUMINOUS CONCRETE LIP CURBING
(6" HIGH)



BITUMINOUS CONCRETE PARK CURBING
(4" HIGH)



BITUMINOUS CONCRETE BERM CURBING
(4" HIGH)



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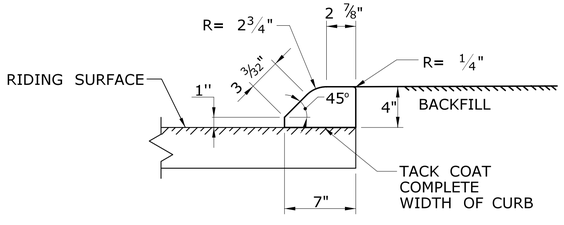

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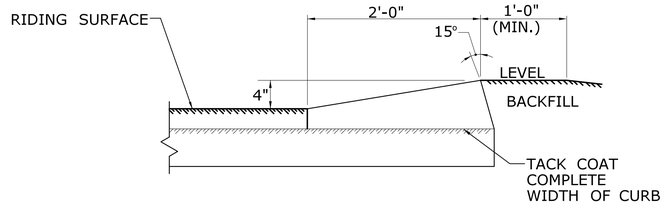


SECTION

REV.	DATE	REVISION DESCRIPTION
1	6/17	NEW SHEET

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: HW-815_01.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:

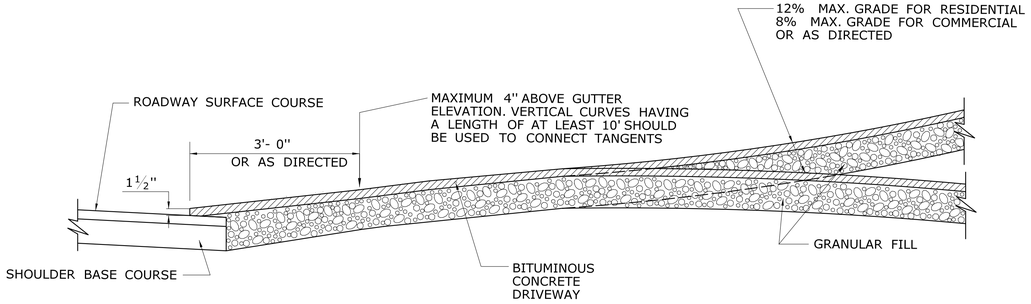
BITUMINOUS CONCRETE CURBING

STANDARD SHEET NO.:

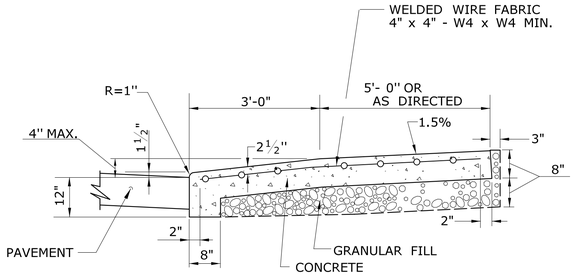
HW-815_01

GENERAL NOTES:

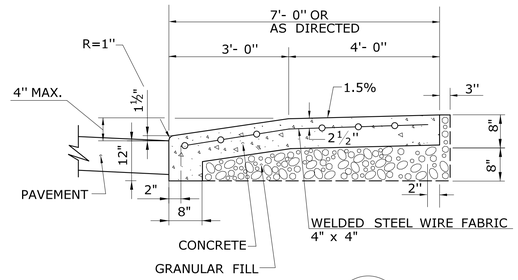
1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



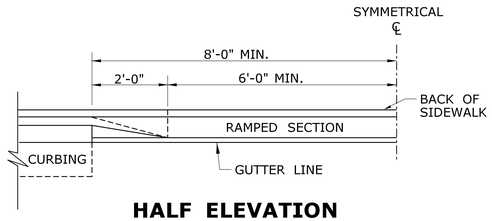
SECTION A



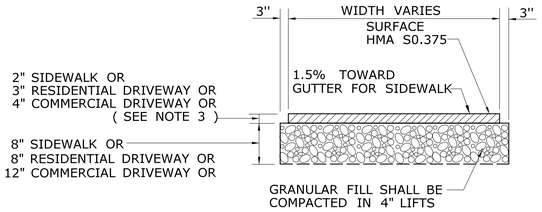
SECTION C



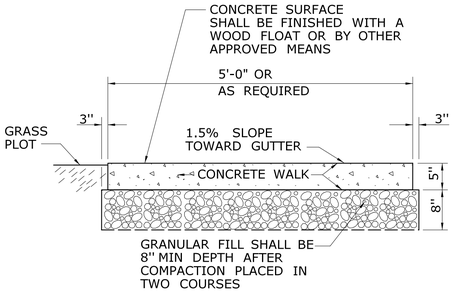
SECTION B



HALF ELEVATION

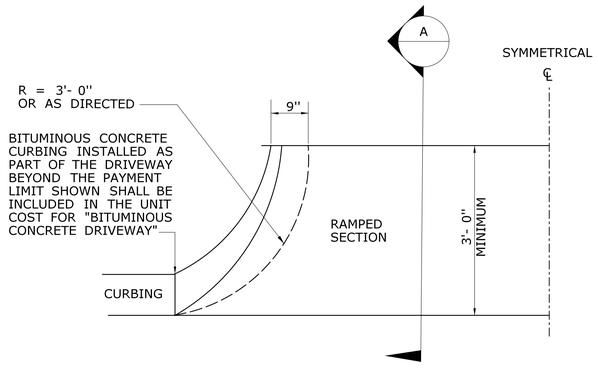


TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY

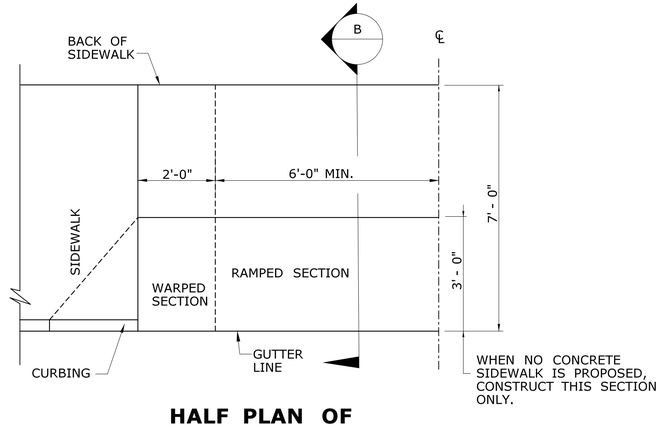


SECTION D

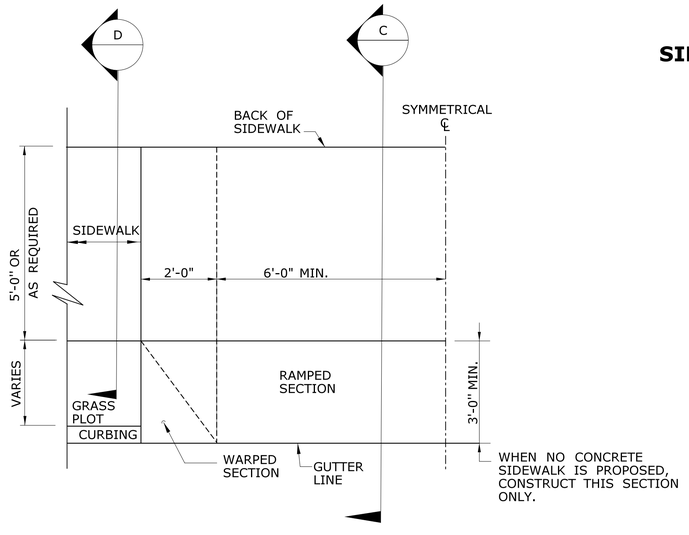
5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT



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

REV.	DATE	REVISION DESCRIPTION
1	6/01/10	REVISED BORDER TITLE
2	6/01/10	REVISED HALF ELEVATION DETAILS
3	1/12	REVISE 2% MAX. SLOPE NOTE
4	6/17	REVISED SLOPES & MATERIAL COMPOSITIONS
-	-	INCREASED WALKING WIDTH OF CONCRETE DRIVEWAY RAMP

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Plotted Date: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: HW-921_01.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:

DRIVEWAY RAMPS AND SIDEWALKS

STANDARD SHEET NO.:

HW-921_01

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

	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	5/2015
	TR-1107_01	PEDESTRIAN PUSH BUTTON	4/2014
	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	5/2015

	SHEET NO.	TITLE	APPROVAL DATE
	TR-1205_01	DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS	4/2017
	TR-1208_01	SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN	4/2017
	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	4/2017
	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	6/2017
	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
✓	TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	4/2017
✓	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
✓	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2015
✓	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2015

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.

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Plotted Date: 7/18/2017

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

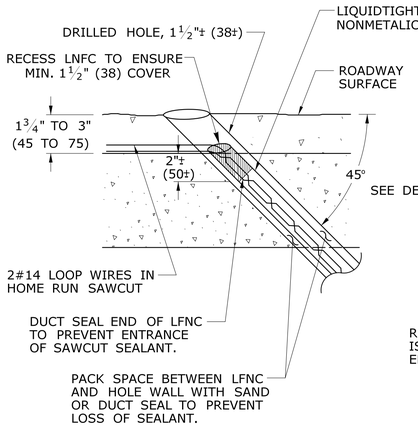
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

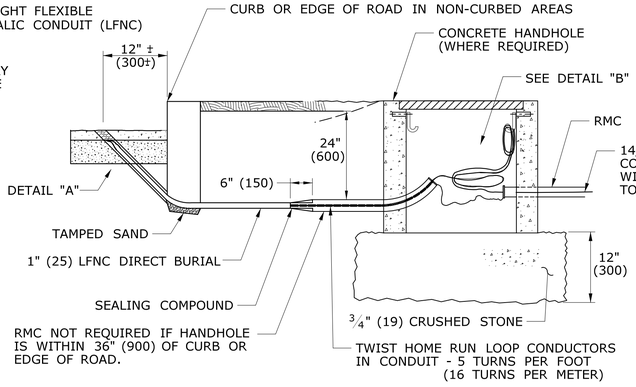
TRAFFIC STANDARD SHEET INDEX

STANDARD SHEET NO.:

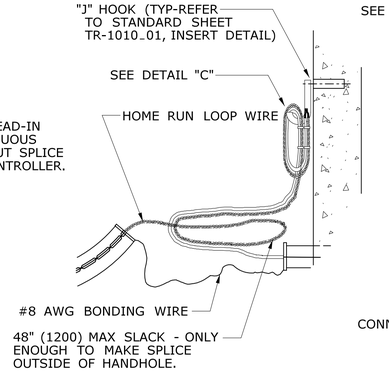
TR-STD_INDEX



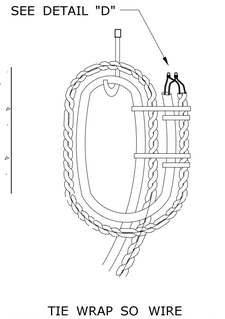
DETAIL "A"



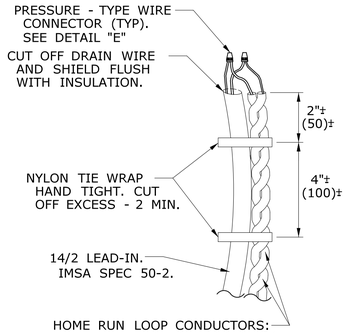
TYPICAL ELEVATION VIEW
LOOP DETECTOR LEAD-IN



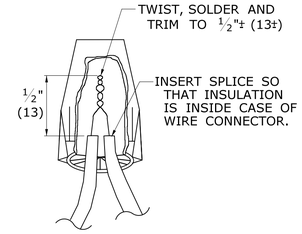
DETAIL "B"



DETAIL "C"
FRONT VIEW



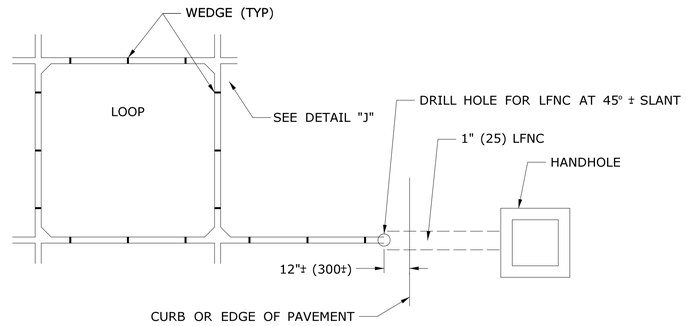
DETAIL "D"



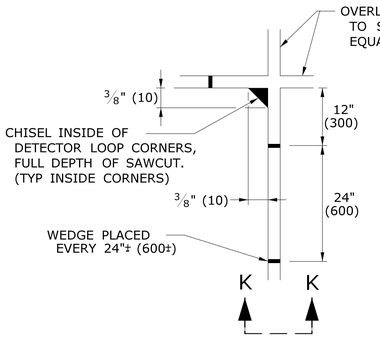
NOTE:

WATER RESISTANT CONNECTOR DESIGNED FOR WET, DAMP AND CORROSIVE APPLICATIONS. ONE TIME USE ONLY. DISCARD ALL REMOVED CONNECTORS.

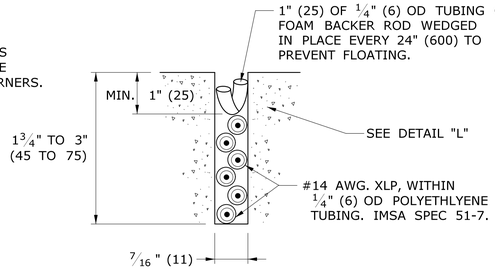
DETAIL "E"



TYPICAL PLAN VIEW
LOOP DETECTOR SAWCUT AND LEAD-IN



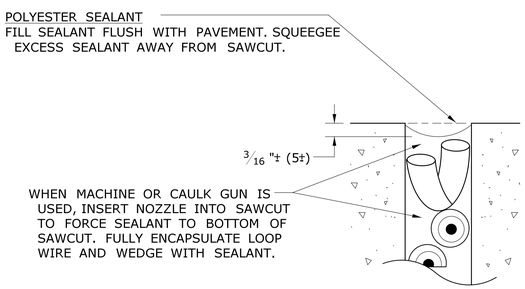
DETAIL "J"



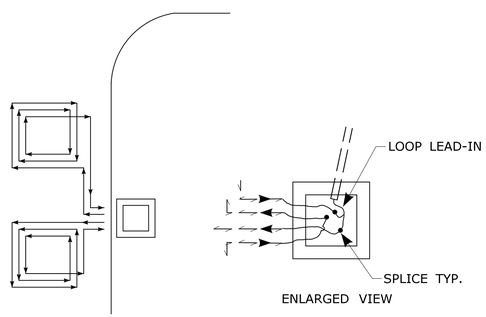
DETAIL "K"

NOTES:

REFER TO STANDARD SPECIFICATIONS, SECTION 11-11.
ONLY USE POLYESTER COMPOUND AS SEALANT, UNLESS OTHER TYPE IS APPROVED BY ENGINEER.
WET SAW CUT ONLY, DRY SAW CUT NOT PERMITTED.
RECOMMENDED SAW BLADE: 14" x ⅜" (350 x 10) PRODUCES 7/16 " (11) SLOT.
SAW CUT LOOP & HOME RUN DEPTH TO ENSURE MIN. 1" (25) SEALANT COVERAGE.

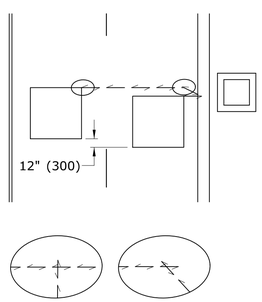


DETAIL "L"



TYPICAL WINDING
SEGMENTED LOOPS, 3 TURNS EACH

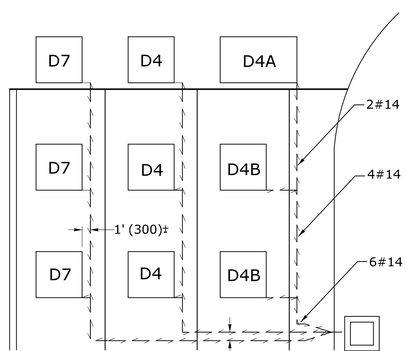
TO CREAT A UNIFORM MAGNETIC FIELD, WIND ADJACENT LOOPS IN OPPOSITE DIRECTIONS.



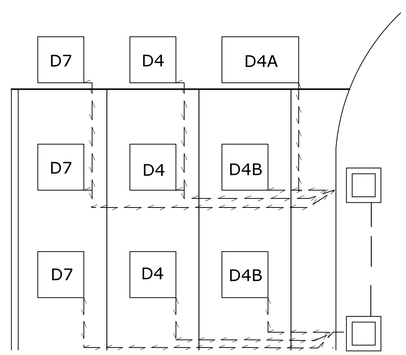
ACCEPTABLE SAW CUT

NOT ACCEPTABLE SAW CUT

DO NOT OVERLAP MORE THAN TWO SAWCUTS.



EXAMPLE A



EXAMPLE B

REAR SEGMENTS ALSO USED FOR VOLUME COUNTS

SEE TRAFFIC SIGNAL PLAN FOR ACTUAL LOOP PLACEMENT, NUMBERS, ETC...
LOOP SEGMENTS ON SAME AMPLIFIERS MAY SHARE HOME RUN SAW CUT. SPLICE SEGMENTS IN SERIES.
LOOP SEGMENTS ON DIFFERENT AMPLIFIERS MUST BE IN SEPARATE HOME RUN SAW CUT.

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

REV.	DATE	REVISION DESCRIPTION
3	4-2014	DETAIL "B" - REVISED "J" HOOK NOTE.
2	7-2012	DELETED URETHANE SEALANT NOTE FROM DETAIL "L"
1	4-2012	MINOR REVISIONS.

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Plotted Date: 4/21/2014

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-1111_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

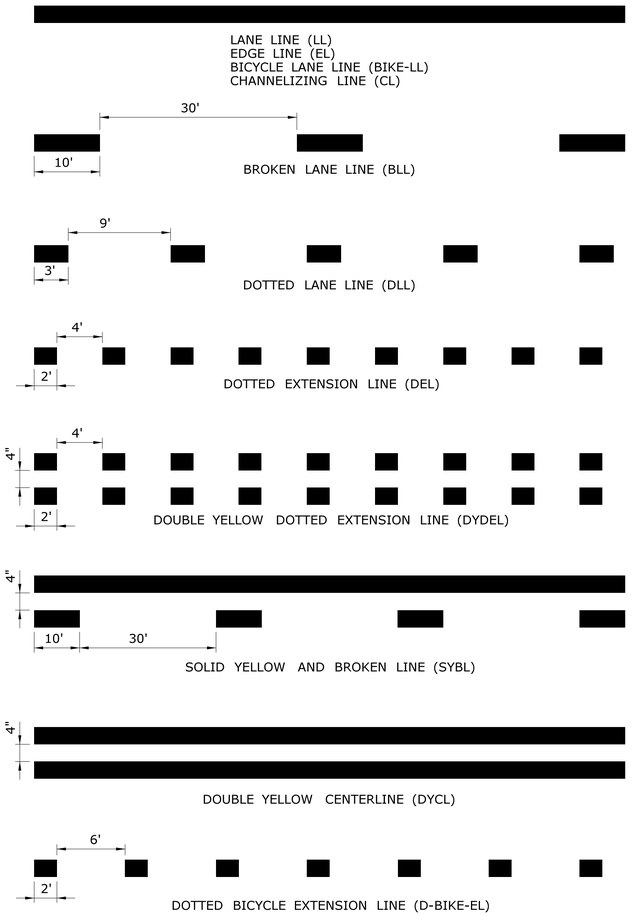
OFFICE OF ENGINEERING

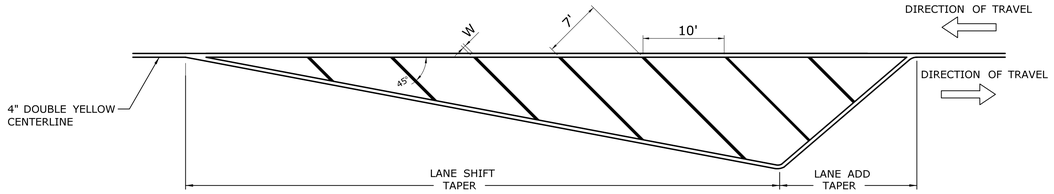
STANDARD SHEET TITLE:

LOOP VEHICLE DETECTOR AND SAWCUT

STANDARD SHEET NO.:

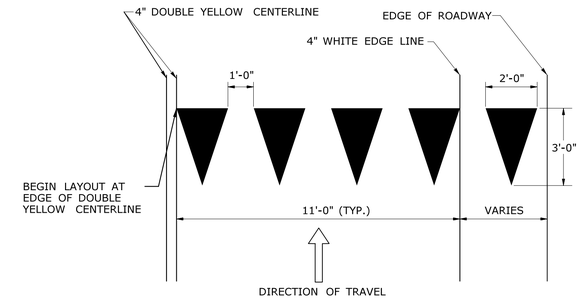
TR-1111_01



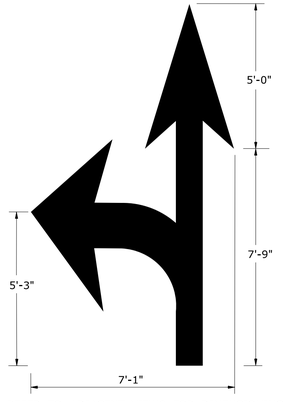


CROSS HATCHED ISLAND DETAIL
(YELLOW)

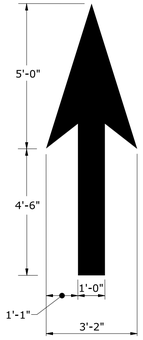
W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS



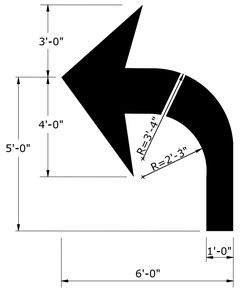
YIELD LINE DETAIL
(WHITE)



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



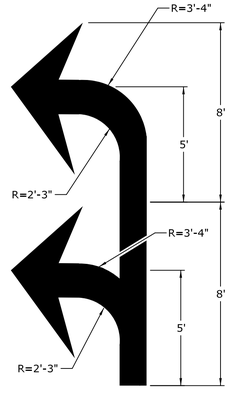
12.5 S.F.



15.5 S.F.

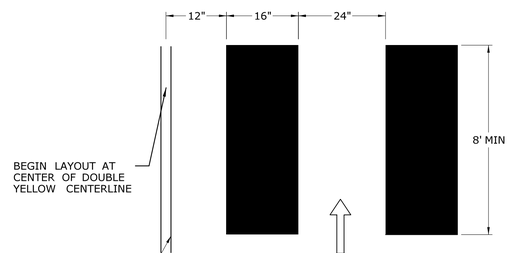
27.0 S.F.
LEFT & RIGHT
ARROW COMBO

38.5 S.F.
3 WAY ARROW
COMBO

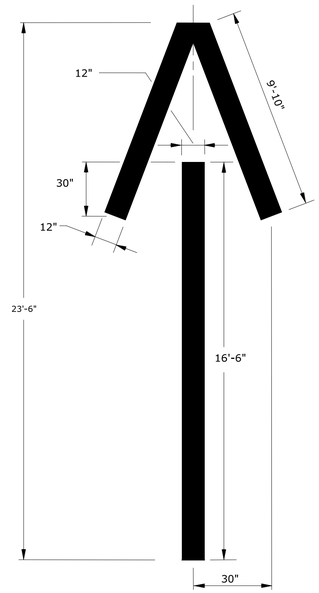


35 S.F.
DOUBLE LEFT
ARROW

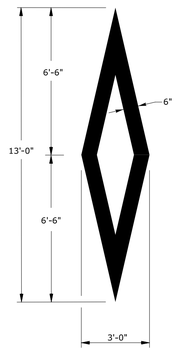
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



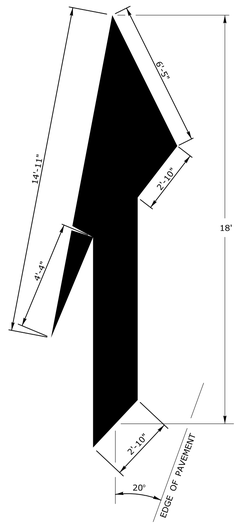
CROSSWALK DETAIL
(WHITE)



WHITE WRONG WAY
PAVEMENT ARROW
36.2 S.F.



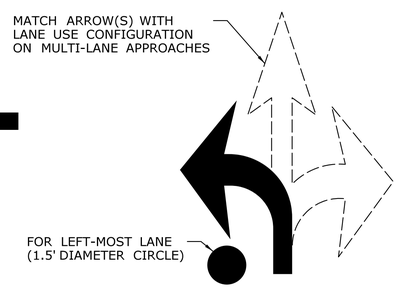
WHITE PREFERENTIAL
LANE SYMBOL
13.0 S.F.



WHITE LANE
REDUCTION ARROW
41.8 S.F.

ROUNDABOUTS ONLY

WHITE CIRCULATORY LANE LINE



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.

REV.	DATE	REVISION DESCRIPTION

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Plotted Date: 4/3/2017

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

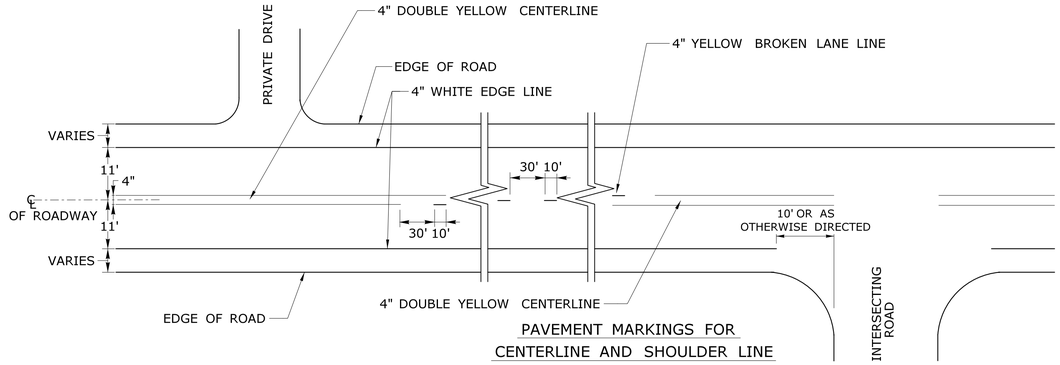
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

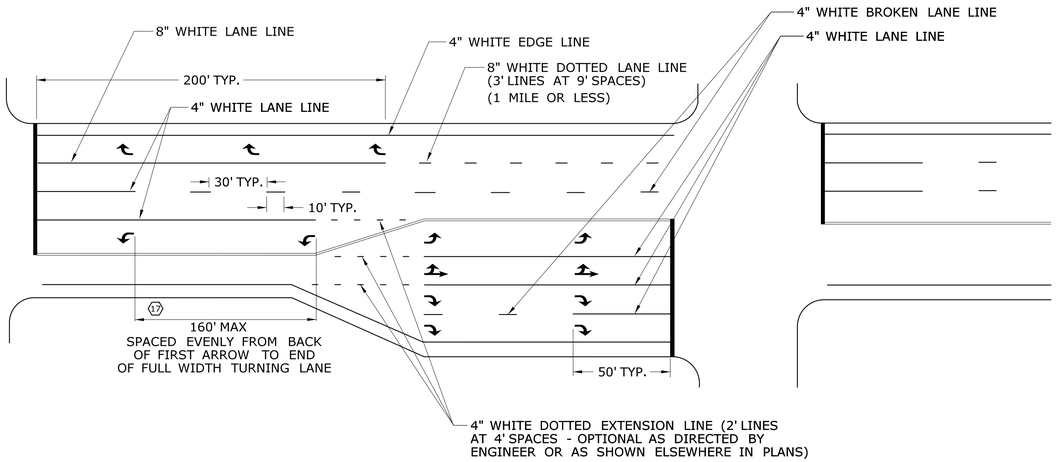
PAVEMENT MARKING LINES AND SYMBOLS

STANDARD SHEET NO.:

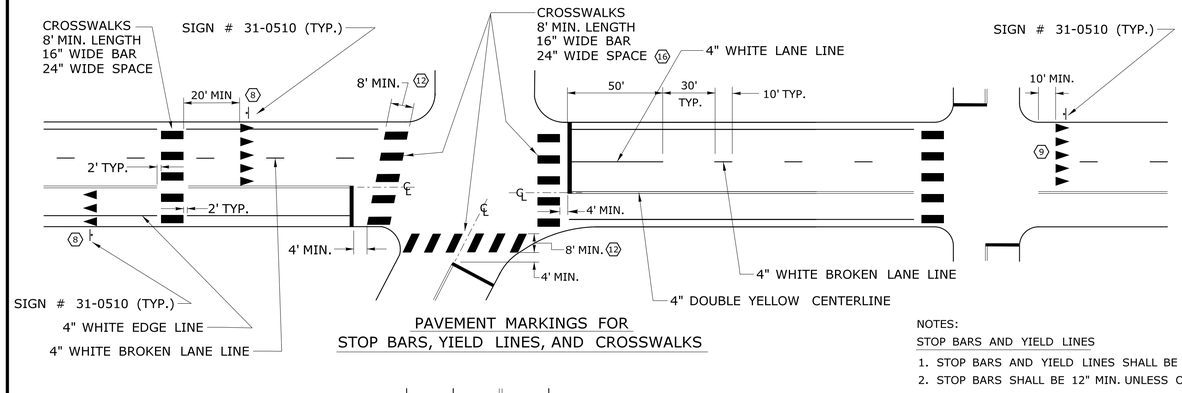
TR-1210_04



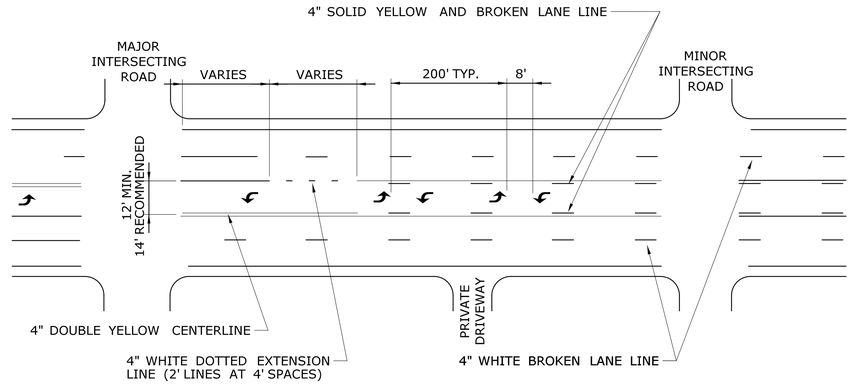
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



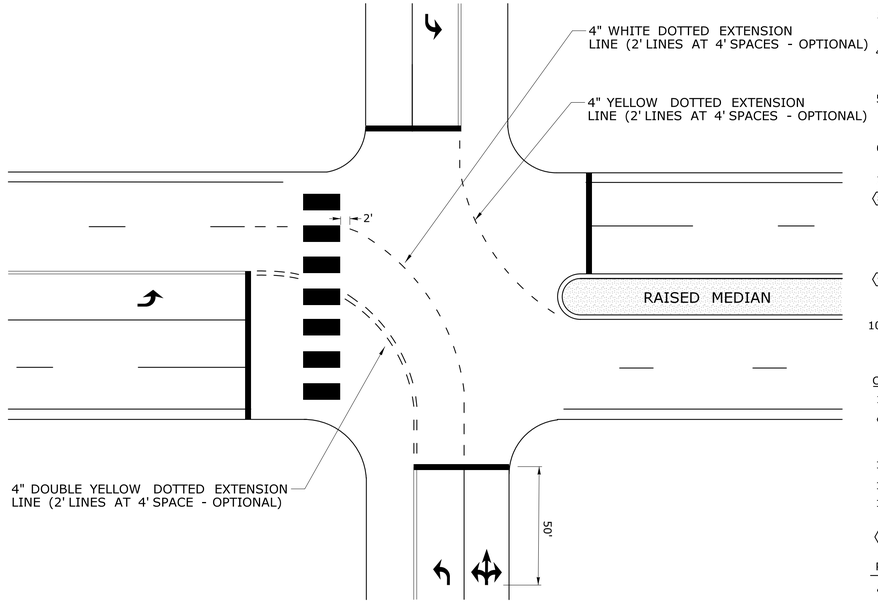
PAVEMENT MARKINGS FOR TURNING LANES
AND ROAD LANE-DROP



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS



TWO-WAY LEFT-TURN MARKINGS APPLICATIONS



TURNING EXTENSIONS

NOTES:

STOP BARS AND YIELD LINES

1. STOP BARS AND YIELD LINES SHALL BE WHITE.
2. STOP BARS SHALL BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
3. STOP BARS TO BE PLACED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
4. IN THE ABSENCE OF A MARKED CROSSWALK THE STOP BAR SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY, AT THE DESIRED STOPPING POINT AT LEAST 5' AND NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.
5. THE STOP SIGN SHOULD BE PLACED IN LINE WITH THE STOP BAR. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
6. FOR STOP BARS AT RAMPS SEE DETAILS "R", "S", "T", & "U" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210 07 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS EXIT RAMPS".
7. FOR YIELD LINE INSTALLATIONS, ONLY FULL TRIANGLES ARE TO BE INSTALLED.

⑧ MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS SHOULD BE INSTALLED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE OR AS DIRECTED BY THE ENGINEER. SIGN # 31-0510 IS REQUIRED.

⑨ FOR CROSSWALKS AT UNSIGNALIZED INTERSECTIONS WITH MINOR STREET STOP CONTROL, YIELD LINES SHALL BE INSTALLED ON MULTI-LANE APPROACHES, BUT NOT SINGLE LANE APPROACHES.

10. THE YIELD SIGN SHOULD BE PLACED IN LINE WITH A YIELD LINE. HOWEVER, IF THE YIELD SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO YIELD, THE YIELD LINE SHOULD BE PLACED AT THE YIELDING POINT.

CROSSWALKS

11. CROSSWALK MARKINGS SHALL BE WHITE.

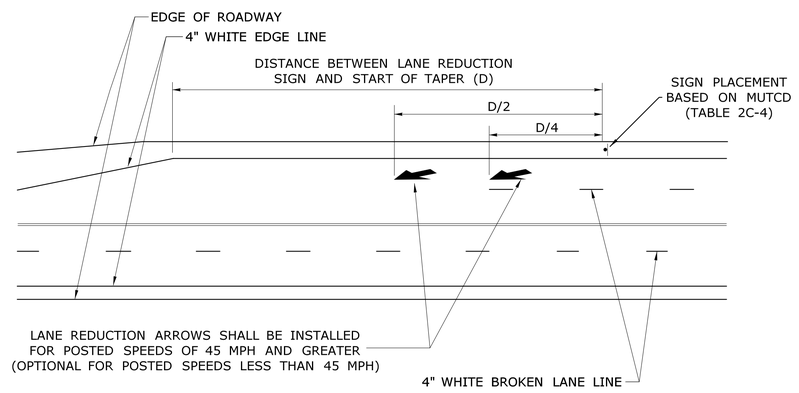
⑫ AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

13. BARS SHOULD BE NO CLOSER THAN 1' FROM EDGE OF ROAD.
14. ONLY FULL LENGTH BARS ARE TO BE INSTALLED.
15. DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.

⑯ 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

PAVEMENT MARKINGS FOR TURNING LANES

⑰ INSTALL AT LEAST TWO ARROWS PER LANE WHERE STORAGE LENGTH IS GREATER THAN 150 FEET.



LANE REDUCTION TRANSITIONS

REV.	DATE	REVISION DESCRIPTION

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: 4/3/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_08.DGN Model: TR-1210_05

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

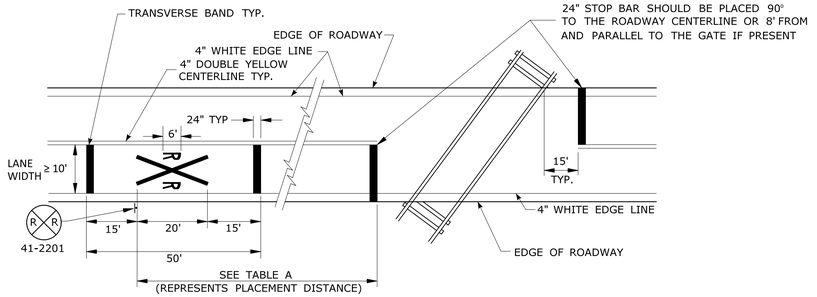
STANDARD SHEET TITLE:

PAVEMENT MARKINGS
FOR NON FREEWAYS

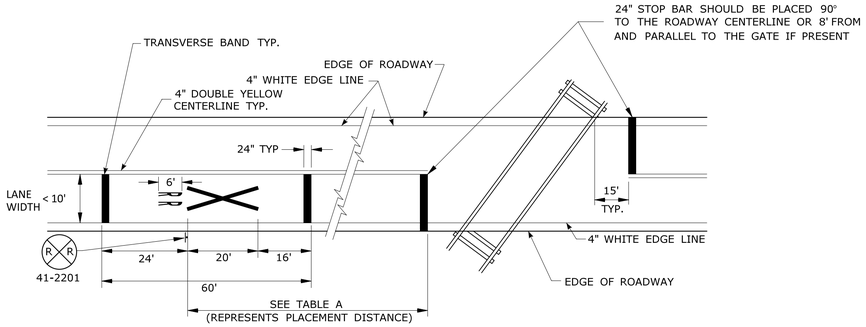
STANDARD SHEET NO.:

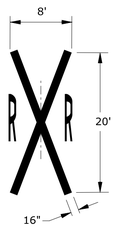
TR-1210_08

TYPICAL RAILROAD GRADE CROSSING DETAIL (LANE WIDTH ≥ 10')

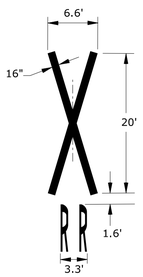


TYPICAL RAILROAD GRADE CROSSING DETAIL (LANE WIDTH < 10')

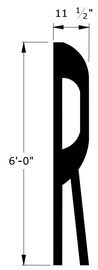




67.5 S.F.



67.5 S.F.



5.75 S.F.

TABLE A	
POSTED OR 85 PERCENTILE SPEED M.P.H.	MINIMUM DISTANCE FT.
20	100
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475

NOTES:

GENERAL:

1. AREA OF PAVEMENT MARKING SYMBOLS AS INDICATED IS APPROXIMATE.
2. REFER TO STANDARD SHEET TR-1210_04 FOR PAVEMENT MARKING LINE DETAILS.

RAILROAD GRADE CROSSINGS:

3. RAILROAD MARKINGS SHALL BE WHITE.
4. ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS THE APPROACH LANES AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

PARKING STALLS:

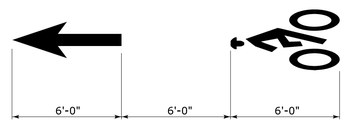
(5) AUTOMOBILE ACCESSIBLE PARKING SPACES SHALL BE 15' WIDE INCLUDING 5' OF CROSSHATCH.

(6) VAN ACCESSIBLE PARKING SPACES SHALL BE 16' WIDE INCLUDING 8' OF CROSSHATCH.

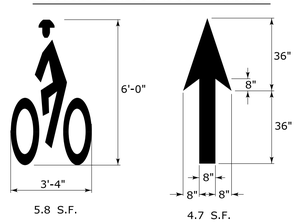
(7) ACCESS AISLES FOR ANGLED VAN PARKING SPACES SHALL BE LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACE.

8. CROSS HATCHED ACCESS AISLES SHALL NOT BE SHARED BETWEEN PARKING SPACES.

TYPICAL LONGITUDINAL SPACING



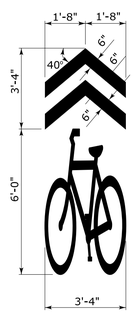
BICYCLE LANE SYMBOL MARKINGS



5.8 S.F.

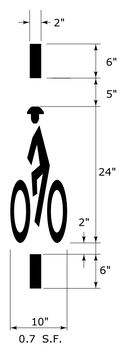
4.7 S.F.

SHARED LANE SYMBOL MARKING



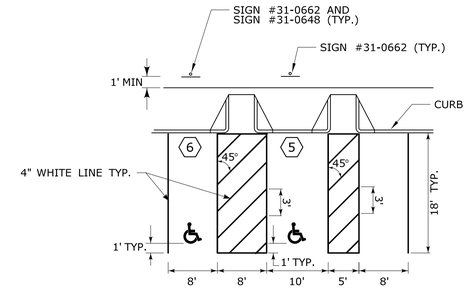
9.7 S.F.

BICYCLE DETECTOR SYMBOL MARKING

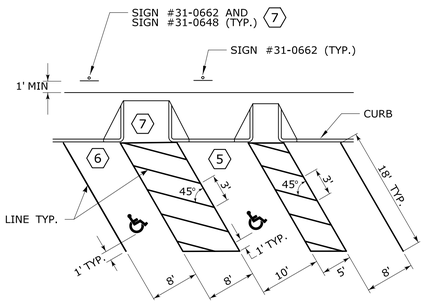


0.7 S.F.

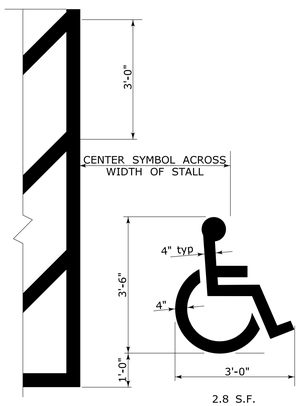
TYPICAL PERPENDICULAR PARKING STALLS DETAIL



TYPICAL ANGLE PARKING STALLS DETAIL



ACCESSIBLE PARKING SPACE SYMBOL



2.8 S.F.

REV.	DATE	REVISION DESCRIPTION

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Plotted Date: 4/3/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_09.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 MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RAILROAD GRADE CROSSINGS

STANDARD SHEET NO.:

TR-1210_09

E5 - SERIES

E5-1

EXIT

COPY & BORDER - WHITE
BACKGROUND - GREEN

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

16 - SERIES

CONSTRUCTION AHEAD
ROAD USE RESTRICTED
STATE LIABILITY LIMITED
GENERAL STATUTES SEC 13a-115, 13a-145
COMMISSIONER OF TRANSPORTATION

	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	2B

CONSTRUCTION AHEAD
SIDEWALK USE RESTRICTED
STATE LIABILITY LIMITED
GENERAL STATUTES SEC 13a-115, 13a-145
COMMISSIONER OF TRANSPORTATION

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

G20 - SERIES

G20-2a

END
ROAD WORK

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

ROAD WORK
NEXT 0 MILE(S)
BE PREPARED
TO STOP

VARIABLE MILEAGE

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

WORK AREA
BE PREPARED
TO STOP

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

NEXT 0 MILES

VARIABLE MILEAGE

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

BUSINESS ACCESS

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

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

M4 - SERIES

M4-8

DETOUR

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

M4-8a

END
DETOUR

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

M4-9b

DETOUR

VARIABLE ARROW

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

M4-9b

DETOUR

VARIABLE ARROW

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

M4-10

(R) DETOUR
(L) DETOUR

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

DETOUR

VARIABLE ARROW

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

R1 - SERIES

R1-1

STOP

*

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

YIELD

*

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	2B

R4 - SERIES

R4-7

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	24X30	31-1526	1

R9 & R11 - SERIES

R9-9

SIDEWALK CLOSED

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9-11

SIDEWALK CLOSED AHEAD
CROSS HERE

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

SIDEWALK CLOSED
CROSS HERE

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

ROAD CLOSED

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3a

ROAD CLOSED
00 MILES AHEAD
LOCAL TRAFFIC ONLY

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

BRIDGE CLOSED
00 MILES AHEAD
LOCAL TRAFFIC ONLY

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

ROAD CLOSED
TO
THRU TRAFFIC

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9081	2

ROAD WORK AHEAD
FINES DOUBLED

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
30.0	72X60	31-1908	2B

W1 - SERIES

W1-4

(L) (R)

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

(L or R)

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

BOTH LANES SHIFT LEFT
AHEAD (L)

BOTH LANES SHIFT RIGHT
AHEAD (R)

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

BOTH LANES SHIFT LEFT (L)

BOTH LANES SHIFT RIGHT (R)

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

AHEAD (L) AHEAD (R)

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

(L) (R)

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

AHEAD (L) AHEAD (R)

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

(L) (R)

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

W3 - SERIES

W3-1

STOP AHEAD

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9808	1

W3-1a

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

W3-2a

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

(L) (R)

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

BUMP

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

BUMP AHEAD

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

W9-2

LANE ENDS MERGE LEFT (L)
LANE ENDS MERGE RIGHT (R)

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

00 M.P.H.

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

REDUCE SPEED TO 00 MPH

VARIABLE SPEED

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

SPEED LIMIT AHEAD
00 MPH

VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.0	72X24	80-9519	2

W20 - SERIES

W20-1

ROAD WORK AHEAD

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

ROAD WORK 0000 FT

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

DETOUR 1000 FT

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

W20-4

ONE LANE ROAD AHEAD

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

LEFT LANES CLOSED (L) RIGHT LANES CLOSED (R)

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

LEFT TWO LANES CLOSED AHEAD (L) RIGHT TWO LANES CLOSED AHEAD (R)

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

LEFT LANE CLOSED AHEAD (L) RIGHT LANE CLOSED AHEAD (R)

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

LEFT LANE CLOSED (L) RIGHT LANE CLOSED (R)

	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

SLOW MOVING TRUCKS AHEAD

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

AHEAD

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

1 MILE

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

SURVEY CREW

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

PEDESTRIAN DETOUR

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9912	1

W22 - SERIES

W22-1

BLASTING ZONE 1000 FT

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

W22-2

TURN OFF 2-WAY RADIO AND CELL PHONE

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

W22-3

END BLASTING ZONE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
7.5	36X30	80-9622	2
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

(VARIABLE LEGEND)

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

STAY IN LINE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9951	2

USE SHOULDER

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

SHOULDER CLOSED AHEAD (1) SHOULDER CLOSED (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 * STOP
SIDE B * SLOW

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
2.51	19	80-9950	PADDLE

NEW

COPY & BORDER - BLACK
BACKGROUND - YELLOW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	12X24	41-0815	

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 - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
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. 80-9815, 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 IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION
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: 8/25/2015

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1220_01

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT STANDARD SHEET

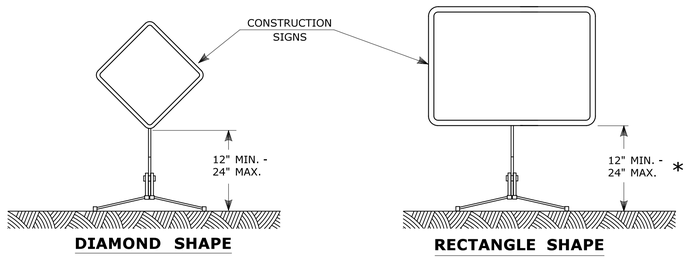
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:

TR-1220_01

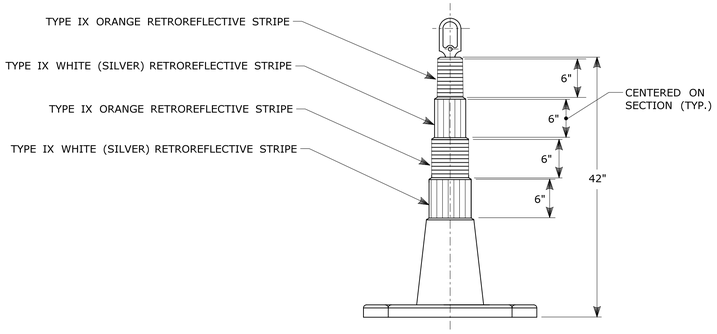


PORTABLE CONSTRUCTION SIGNS

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.

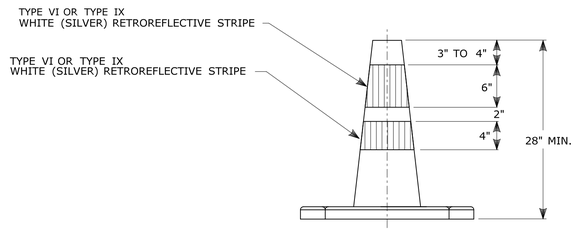
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

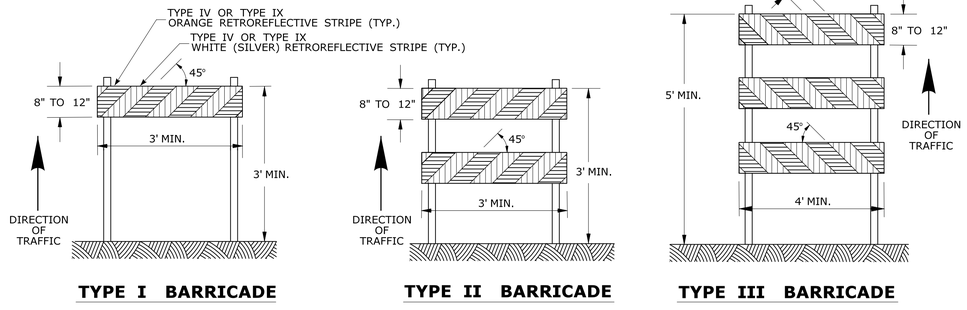
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER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



TYPE I BARRICADE

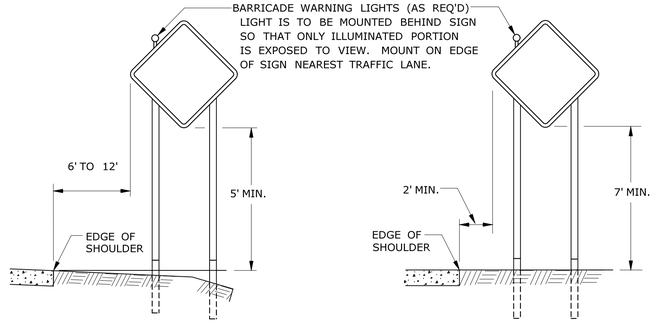
TYPE II BARRICADE

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 ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF 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

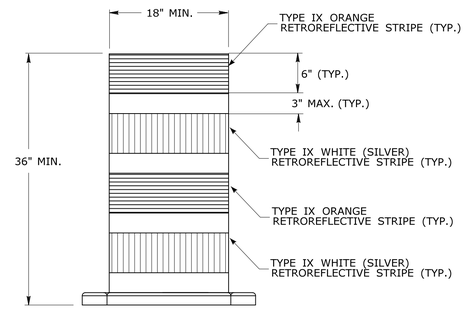
URBAN AREA

PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

SEE TYPICAL SHEETS:
"TYPICAL SIGN SUPPORT AND SIGN PLACEMENT DETAILS-GORE EXIT SIGN"
"TYPICAL 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 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
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
1	2-2011	MINOR REVISIONS.

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Plotted Date: 8/14/2015

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.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