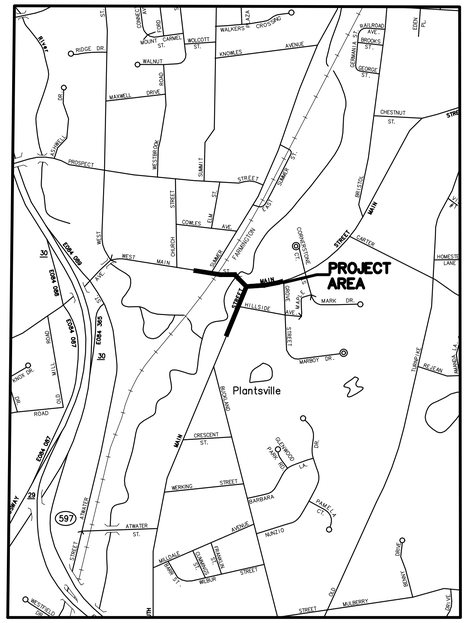

LOCATION MAP
SCALE: 1"=1000'

TOWN OF SOUTHINGTON, CT
PLANTSVILLE CENTER SAFETY & STREETSCAPE IMPROVEMENTS
L131-0002

MAINTENANCE RESPONSIBILITY

1. WEST MAIN STREET AND SUMMER STREET ARE TO BE MAINTAINED BY THE TOWN OF SOUTHINGTON
2. MAIN STREET (ROUTE 10) AND SOUTH MAIN STREET (ROUTE 10) ARE TO BE MAINTAINED BY THE STATE OF CONNECTICUT

MARK J. SCIOTA
TOWN MANAGER

JAMES A. GRAPPONE, P.E.
ASSISTANT TOWN ENGINEER

ANNETTE S. TURNQUIST, P.E.
DIRECTOR OF PUBLIC WORKS/TOWN ENGINEER

TOWN OF SOUTHINGTON

TOWN MANAGER
MARK J. SCIOTA

DIRECTOR OF PUBLIC WORKS
ANNETTE S. TURNQUIST, P.E.

ASSISTANT TOWN ENGINEER
JAMES A. GRAPPONE, P.E.

PLANS APPROVED BY: Mark J. Sciota

WEST MAIN STREET (STA: 98+96.34 TO 107+00)
MAIN STREET (ROUTE 10) (STA: 107+00 TO 111+58.70)
SOUTH MAIN STREET (ROUTE 10) (STA: 20+00.00 TO 28+80.39)
SUMMER STREET (STA 200+00.00 TO 201+00.00)

Town of Southington Bid # 2022-07

CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020 (SUPPLEMENTED JANUARY 2022); AND SPECIAL PROVISIONS

SURVEY INFORMATION DERIVED FROM:
WESTON & SAMPSON LAND SURVEYORS, INC

VERTICAL DATUM - NAVD88
HORIZONTAL DATUM - NAD83

DESIGNED BY:
WESTON & SAMPSON ENGINEERS, INC.
712 BROOK STREET, SUITE 103
ROCKY HILL, CT 06067

STATE OF CONNECTICUT · LISA A. SLOMUS · 23207 · LICENSED PROFESSIONAL ENGINEER

08/19/2022

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712 Brook Street, Suite 103, Rocky Hill, CT 06067
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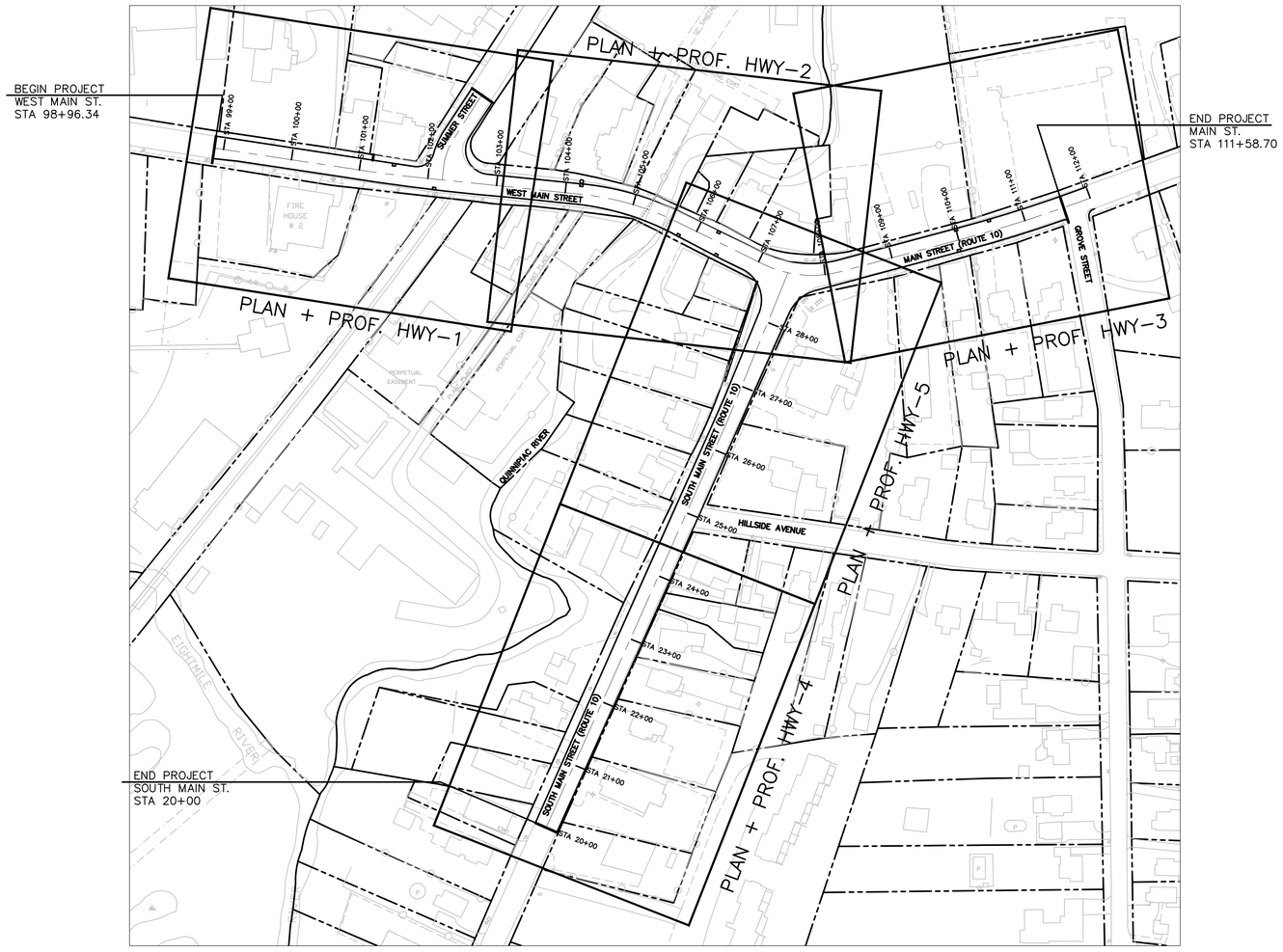

INDEX PLAN
SCALE: 1" = 100'

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No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P	R	O	V	E	D

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

DRAWING INDEX AND INDEX PLAN

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

GEN-1

FILE NO.

SHEET 2 OF 62

\\wes03.local\WES\Projects\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\Plantsville GEN, TYP.dwg

LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	SS	8"S PVC
FORCE MAIN		6"FM DI
WATER MAIN	W	6"W DI
TEMPORARY WATER		4"W
STORM DRAIN	ST	
GAS	G	4"G
ELECTRIC	E	
TELEPHONE	T	T
HOUSE CONNECTION		SS
WATER SERVICE		WS
GRINDER PUMP	GP	GP
SANITARY SEWER MANHOLE	S	SMH
STORM DRAIN MANHOLE	D	
ELECTRICAL MANHOLE	E	EMH
TELEPHONE MANHOLE	T	TMH
AIR RELEASE VALVE MANHOLE	A	ARMH
FORCE MAIN CLEANOUT MANHOLE	F	FMMH
CLEANOUT		CO
CATCH BASIN		
CATCH BASIN (CURB INLET)		
CATCH BASIN (OFFSET)		
HYDRANT		
TEMPORARY HYDRANT		H
GATE VALVE		
CHECK VALVE		
CURB STOP		
BUTTERFLY VALVE		
BALL VALVE		
REDUCER		
CAP OR PLUG		
GAS GATE VALVE		
UTILITY POLE		
GUY POLE		
LIGHT POST		
EDGE OF PAVEMENT		
EDGE OF UNPAVED ROAD		
CURB		
SIDEWALK		
"CAPE COD" BERM		
RAILROAD		
STONE WALL		
RETAINING WALL	RET WALL	
FENCE	x x	
INDIVIDUAL DECIDUOUS TREE		
INDIVIDUAL EVERGREEN TREE		
TREE LINE		
SURVEY MARKER		
PROPERTY LINE		
EASEMENT LINE		
LIMIT OF WORK		
APPROX. LIMIT OF REFUSE		
SPOT ELEVATIONS	x 100.2	x101.5
CONTOUR LINES	54	56
DEPRESSION CONTOUR LINES		
HOUSE NUMBER	#35	
FLOOR ELEVATION	FL=56.7	
SILL ELEVATION	S=56.7	
WETLAND		
WETLAND FLAGS	1	
RIP RAP		
BENTONITE DAM		
GUARD POST		
BOLLARD	B	
SIGN		
BENCH MARK		
PERCOLATION TEST	PT 1	PT-1
TEST PIT	TP 1	TP-1
BORING	B-1	B-3
PROBE	P-1	P-1
GROUNDWATER MONITORING WELL	WSE-1	GW-1
AUGER	A-1	A-1
HAY BALES		
ROCK OUTCROP		
DRAINAGE DITCH / SWALE		

NOTE: ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ACCMP	
ASTM	
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CTDOT	CONNECTICUT DEPARTMENT OF TRANSPORTATION
CU FT	CUBIC FEET
CY	CUBIC YARD
D	
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DMH	DRAIN MANHOLE
E	ELECTRIC, EAST
EA	EACH
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EX	EXISTING
FT	FEET, FOOT
G	NATURAL GAS
GALV	GALVANIZED
GC	GRANITE CURB
HC	HOUSE CONNECTION
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
INV	INVERT
ID	INSIDE DIAMETER
IP	IRON PIPE
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NF	NOT FOUND
NO OR #	NUMBER
PE	POLYETHYLENE
ℙ	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PR	PROPOSED
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
S	SEWER, SOUTH
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE
STA	STATION
SW	SIDEWALK
T	TELEPHONE
TBM	TEMPORARY BENCH MARK
TYP	TYPICAL
UP	UTILITY POLE
U.N.O.	UNLESS NOTED OTHERWISE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (CBYD) AT 1-800-922-4455 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE CBYD PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
3. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM #0202452A – TEST PIT.
4. FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
5. ALL PAVEMENT OUTSIDE OF THE LIMITS SHOWN WHICH IS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS AT NO ADDITIONAL COST TO THE OWNER.
6. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL MAINTAIN SIDE SLOPES AND DRAINAGE SWALES DURING CONSTRUCTION TO PREVENT PONDING AND EROSION.
8. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, AND EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
9. THE CONTRACTOR SHALL GRADE PROPOSED SLOPES TO MEET EXISTING SLOPES WHERE SHOWN ON PLANS, IN ACCORDANCE WITH THE MINIMUM AND MAXIMUM SLOPES SPECIFIED.
10. THE CONTRACTOR SHALL INSTALL THE EROSION CONTROL DEVICES BEFORE BEGINNING OTHER WORK ON SITE.
11. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION ON THE EXISTING AND PROPOSED CATCH BASINS THROUGHOUT THE DURATION OF THE PROJECT.
12. THE CONTRACTOR SHALL NOTIFY SOUTHINGTON WATER COMPANY (860-292-5590) AT LEAST 72 HOURS PRIOR TO EXCAVATING NEAR WATERLINES.
13. ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING. COVERING WITH STEEL PLATES MAY BE ALLOWED IF APPROVED BY THE ENGINEER.
14. WHERE ENCOUNTERED, UNSUITABLE MATERIAL SHALL BE REMOVED TO A DEPTH OF AT LEAST 12" BELOW THE BOTTOM OF THE TRENCH, UNLESS OTHERWISE SPECIFIED.
15. DURING THE PROCESS OF WORK, THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE AREA OF CONSTRUCTION ACTIVITIES, INCLUDING SWEEPING AND SPRINKLING OF STREETS AS NECESSARY, TO MINIMIZE CREATION AND DISPERSION OF DUST.
16. A TRAFFIC CONTROL PLAN SHALL BE FOLLOWED AS STATED IN THE SPECIFICATIONS. SIGNAGE SHALL BE PROVIDED AS NEEDED.
17. WHERE EXISTING FENCES ARE TO BE REMOVED AND RESET, A TEMPORARY CONSTRUCTION FENCE SHALL BE ERECTED AFTER REMOVAL FOR THE PROTECTION OF THE RESIDENTS.
18. ALL DOT HIGHWAY LINE MONUMENTATION (PROPERTY MARKERS, IRON PIPES, ETC.) WITHIN THE PROJECT LIMITS MUST BE DELINEATED AND PROTECTED FROM DAMAGE OR MOVEMENT. ANY COST ASSOCIATED WITH RESETTING OF THE MONUMENTATION SHALL BE AT THE CONTRACTOR'S EXPENSE.
19. THE CONTRACTOR SHALL COMPLETE ALL LAYOUTS, SURVEYS, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT AS SHOWN AND AS SPECIFIED.
20. THIS SURVEY AND MAP HAS BEEN PREPARED BY WESTON & SAMPSON LAND SURVEYORS, INC. IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20. THE TYPE OF SURVEY IS A T-2 TOPOGRAPHIC SURVEY, THE BOUNDARY LINES WERE COMPILED FROM OTHER MAPS, RECORDED RESEARCH, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES OF INFORMATION TO CLASS D ACCURACY. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE. THE HORIZONTAL AND VERTICAL ACCURACY CONFORMS TO CLASS A-2 AND V-2 ACCURACY.
21. STREET LINES ARE APPROXIMATE AND ARE COMPILED FROM LIMITED DATA AND FIELD EVIDENCE. PROPERTY LINES SHOWN ARE FROM ASSESSOR'S MAPS OR OTHER SOURCES AND DO NOT COMPRISE A PROPERTY BOUNDARY DETERMINATION. THEY ARE APPROXIMATE AND FOR INFORMATION ONLY.
22. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE PROPER STORM DRAINAGE AND SANITARY FLOWS ARE MAINTAINED THROUGHOUT CONSTRUCTION.
23. ALL PROPOSED MANHOLES, MANHOLE COVERS AND FRAMES, CATCH BASINS, AND CATCH BASIN GRATES AND FRAMES SHALL CONFORM TO THE REQUIREMENTS OF THE TOWN OF SOUTHINGTON AND APPROPRIATE UTILITY COMPANIES.
24. THE HORIZONTAL DATUM IS BASED ON N.A.D. 83
25. THE VERTICAL DATUM IS BASED ON N.A.V.D. 88

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No.	Date	Description	Dr.By	Ck.By	App.By
			A P.	P. P.	R O V E D

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

ABBREVIATIONS, NOTES AND LEGEND

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR. BY NSD	DSN. BY LAS	CHK. BY ALN	APP. BY ALN

GEN-2

FILE NO.

SHEET 3 OF 62

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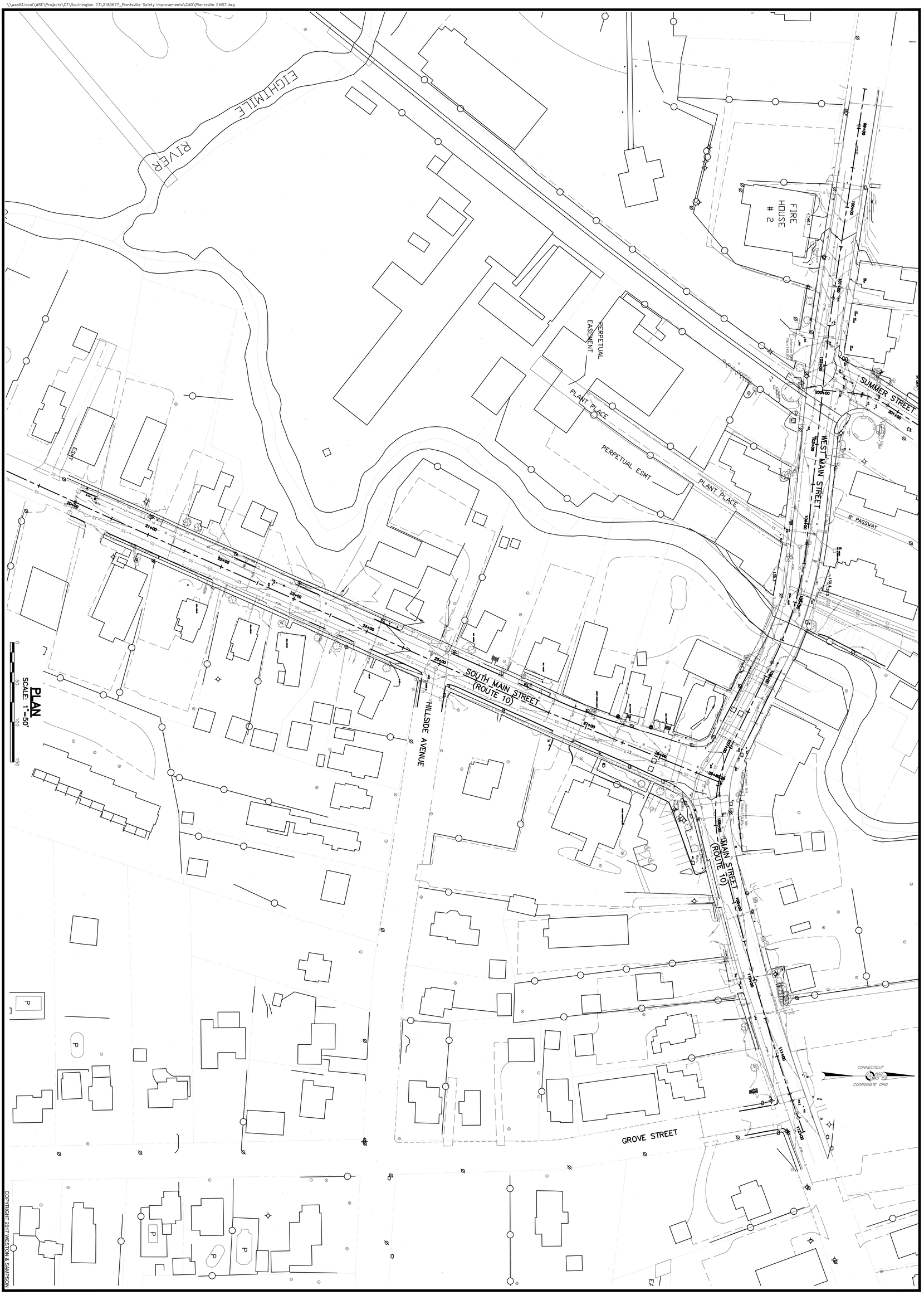

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SHEET 4 OF 62

EX-1

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

EXISTING CONDITIONS
WEST MAIN STREET & SOUTH MAIN STREET (ROUTE 10)

FILE NO.	CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
		AS SHOWN		2180677	NSD	LAS	ALN	ALN

No.	Date	Dr.By	Ck.By	App.By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER

DATE

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SEDIMENTATION AND EROSION CONTROL PLAN

GENERAL

THIS PLAN PROPOSES EROSION CONTROL MEASURES TO ADEQUATELY CONTROL ACCELERATED EROSION AND SEDIMENTATION AND REDUCE THE DANGER FROM STORM WATER RUNOFF AT THE SITE. THE RUNOFF SHALL BE CONTROLLED BY THE INTERCEPTION, DIVERSION, AND SAFE DISPOSAL OF PRECIPITATION. RUNOFF SHALL ALSO BE CONTROLLED BY STAGING CONSTRUCTION ACTIVITY AND PRESERVING NATURAL VEGETATION WHENEVER POSSIBLE.

EXISTING VEGETATION SHALL BE PROTECTED AND ONLY THAT CLEARING AND GRUBBING ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION SHALL BE PERFORMED. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOUR, UNLESS OTHERWISE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING GUIDELINES.

REFERENCE IS MADE TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002), AS AMENDED. THE GUIDELINES ARE OBTAINABLE ONLINE FROM THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION AT WWW.PORTAL.CT.GOV/DEEP AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

SEDIMENTATION CONTROL

ALL AREAS SHALL BE PROTECTED FROM SEDIMENTATION DURING AND AFTER CONSTRUCTION, PARTICULARLY THE STORAGE OF EXCAVATED OR STOCKPILED MATERIAL. THE CONTRACTOR SHALL CAREFULLY STRIP ALL TOPSOIL, LOAM, OR ORGANIC MATTER PRIOR TO TRENCHING OR OTHER OPERATIONS AND SHALL STORE THEM SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. EACH STOCKPILE MUST BE ADEQUATELY RINGED WITH SEDIMENT CONTROL MATERIAL (I.E. SILT FENCE).

STABILIZING OF SLOPES SHALL BE DONE IMMEDIATELY AFTER CONSTRUCTION OF SLOPES. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH JUTE MESH EROSION PROTECTION. ALL OTHER AREAS SHALL BE MULCHED WITH HAY OR STRAW AS REQUIRED.

EROSION AND SEDIMENTATION CONTROL PLAN

SEDIMENTATION CONTROL SYSTEM – THE SEDIMENTATION CONTROL SYSTEM SHALL CONSIST OF SILT FENCE.

GEOTEXTILE BARRIER FENCE – THE SEDIMENTATION CONTROL SYSTEM SHALL BE INSTALLED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN GRADED, BEFORE A FILL SLOPE HAS BEEN CREATED AND AS INDICATED ON THE PLANS. THE SYSTEM IS DESIGNED TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE WETLAND AREAS, OR WATERCOURSES. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE SEDIMENTATION CONTROL SYSTEM IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE SYSTEM IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

RIPRAP – RIPRAP, IF REQUIRED OR SPECIFIED, IS TO BE INSTALLED AS ENERGY, DISSIPATION STRUCTURES. THE RIPRAP IS TO BE INSTALLED BEFORE OUTLET STRUCTURES ARE ACTIVATED, AND ALL ADJACENT AREAS ARE TO BE IMMEDIATELY SEEDED IF IN SEASON OTHERWISE THE SOIL IS TO BE STABILIZED BY OTHER METHODS.

IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

DURING CONSTRUCTION, AS SMALL AN AREA OF SOIL AS POSSIBLE SHOULD BE EXPOSED FOR AS SHORT A TIME AS POSSIBLE. AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL, AND STABILIZE SOIL BY SEEDING AND MULCHING SO AS TO PREVENT EROSION.

SEDIMENTATION AND EROSION CONTROL MAINTENANCE PROCEDURES

ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSPECTED DURING CONSTRUCTION ON A WEEKLY BASIS, AND FOLLOWING ALL STORMS, BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN AND MAKE REPAIRS AND REMOVE SEDIMENT AS REQUESTED BY THE RESIDENT ENGINEER. THIS WORK SHALL BE PERFORMED WITHIN 24 HOURS OF THE REQUEST AND THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK.

THE CONTRACTOR SHALL PROVIDE ROUTINE SWEEPING OF ALL PAVED SURFACES SUBJECT TO SEDIMENT ACCUMULATION DURING CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, AND PIPES AT THE COMPLETION OF CONSTRUCTION, AND AS REQUESTED BY THE RESIDENT ENGINEER TO KEEP THE SYSTEM FUNCTIONING PROPERLY DURING CONSTRUCTION.

FOLLOWING COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REPAIR ALL ERODED AREAS AND ENSURE A GOOD STAND OF TURF IS ESTABLISHED THROUGHOUT. THE CONTRACTOR SHALL REPAIR ALL ERODED OR DISPLACED RIPRAP, AND CLEAN SEDIMENT COVERED STONES.

TYPICAL CONSTRUCTION SEQUENCE

PRIOR TO COMMENCEMENT OF WORK, EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED. A TYPICAL SEQUENCE OF CONSTRUCTION IS:

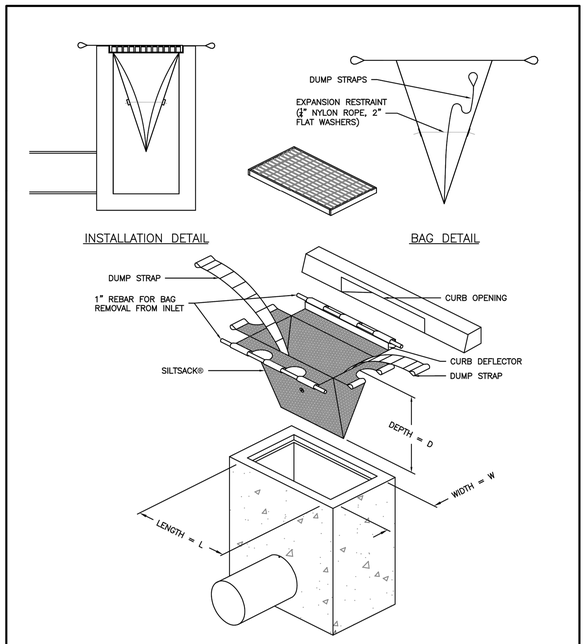
1. OBTAIN APPROPRIATE PERMITS, NOTIFY TOWN OFFICIALS AND CTDOT DISTRICT ENGINEER OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.

2. ON-SITE CONSTRUCTION SEQUENCE SHALL START WITH THE MINIMUM AMOUNT OF CLEARING REQUIRED TO INSTALL EROSION CONTROL MEASURES AS SHOWN ON PLAN. THIS INCLUDES SILTATION FENCING, SILT CURTAIN, AND OTHER MEASURES NOTED ON THE PLAN. NO WORK SHALL TAKE PLACE UNTIL THE ENGINEER AND WETLAND ENFORCEMENT OFFICER HAVE INSPECTED AND APPROVED INSTALLED MEASURES.

DURING CONSTRUCTION ALL EROSION AND SEDIMENT STRUCTURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION CONCERN TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED AT THE PROJECT SITE IN A WORKABLE LOCATION AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED. IN THE EVENT THERE IS A RAINFALL GREATER THAN 1/2" IN A 12 HOUR PERIOD, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED. IF NO RAIN GAUGE IS USED, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AFTER ALL RAINFALL EVENTS.

A CHECK LIST PROVIDED BY THE ENGINEER SHALL BE FILLED OUT EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER.



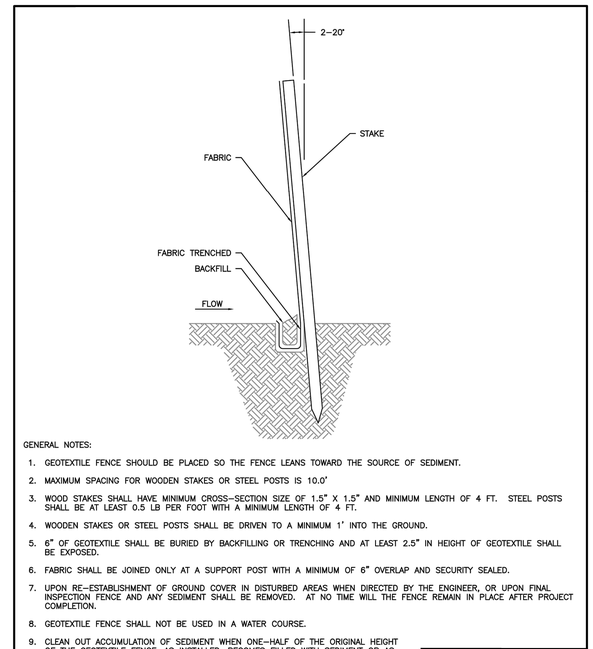
ALL SPECS FROM DOT FORM 817 ADOPTED 2016

TOWN OF SOUTHINGTON

SILTSACK INLET SEDIMENT CONTROL DEVICE TYPE B- WITH CURB DEFLECTOR

MO. MAY YR. 2017 SCALE: HORIZ. N.T.S. VERT. N/A

TOWN ENGINEER	A.J. PIENKOWSKI	SHEET NO.
DESIGN BY	NSD	
DRAWN BY	NSD	
CHECKED BY	ALN	
APPROVED BY	ALN	DATE



GENERAL NOTES:

1. GEOTEXTILE FENCE SHOULD BE PLACED SO THE FENCE LEANS TOWARD THE SOURCE OF SEDIMENT.
2. MAXIMUM SPACING FOR WOODEN STAKES OR STEEL POSTS IS 10.0'
3. WOOD STAKES SHALL HAVE MINIMUM CROSS-SECTION SIZE OF 1.5" X 1.5" AND MINIMUM LENGTH OF 4 FT. STEEL POSTS SHALL BE AT LEAST 0.5 LB PER FOOT WITH A MINIMUM LENGTH OF 4 FT.
4. WOODEN STAKES OR STEEL POSTS SHALL BE DRIVEN TO A MINIMUM 1' INTO THE GROUND.
5. 6" OF GEOTEXTILE SHALL BE BURIED BY BACKFILLING OR TRENCHING AND AT LEAST 2.5" IN HEIGHT OF GEOTEXTILE SHALL BE EXPOSED.
6. FABRIC SHALL BE JOINED ONLY AT A SUPPORT POST WITH A MINIMUM OF 6" OVERLAP AND SECURITY SEALED.
7. UPON RE-ESTABLISHMENT OF GROUND COVER IN DISTURBED AREAS WHEN DIRECTED BY THE ENGINEER, OR UPON FINAL INSPECTION FENCE AND ANY SEDIMENT SHALL BE REMOVED. AT NO TIME WILL THE FENCE REMAIN IN PLACE AFTER PROJECT COMPLETION.
8. GEOTEXTILE FENCE SHALL NOT BE USED IN A WATER COURSE.
9. CLEAN OUT ACCUMULATION OF SEDIMENT WHEN ONE-HALF OF THE ORIGINAL HEIGHT OF THE GEOTEXTILE FENCE, AS INSTALLED, BECOMES FILLED WITH SEDIMENT OR AS DIRECTED BY THE ENGINEER.

ALL SPECS FROM DOT FORM 817 ADOPTED 2016

TOWN OF SOUTHINGTON

GEOTEXTILE FENCE SYSTEM

MO. MAY YR. 2017 SCALE: HORIZ. N.T.S. VERT. N/A

TOWN ENGINEER	A.J. PIENKOWSKI	SHEET NO.
DESIGN BY	NSD	
DRAWN BY	NSD	
CHECKED BY	ALN	
APPROVED BY	ALN	DATE

Weston & Sampson
712 Brook Street, Suite 103, Rocky Hill, CT 06067
860.513.1473 800.SAMPSON
www.westonandsampson.com

No.	Date	Description	Dr.By	Ck.By	App.By
A	P.	P.	R.	O.	V. E. D.

REGISTERED PROFESSIONAL ENGINEER DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

SEDIMENTATION AND EROSION CONTROL DETAILS

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO. FILE NO.

D-1

SHEET 5 OF 62

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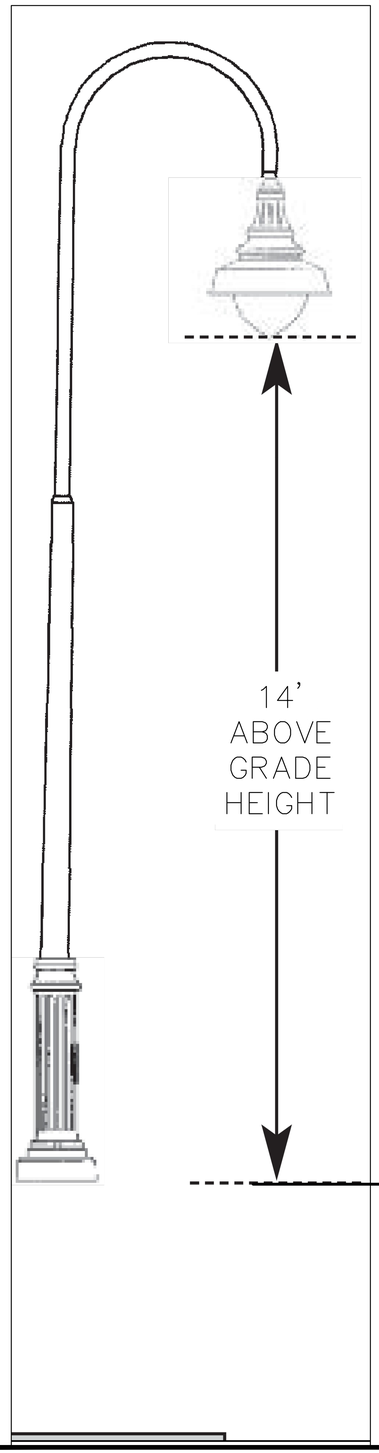
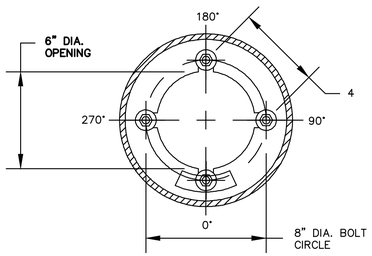




ANCHORAGE DETAIL



ORNAMENTAL LIGHT POLE
NOT TO SCALE

StembergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

Ornamental Poles 9-513

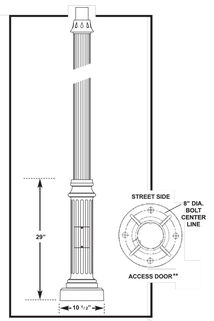
4500 DECATUR SERIES SPECIFICATIONS

GENERAL
The ___ ft tall* decorative post shall be aluminum, one-piece construction. The 10 1/2" diameter cast aluminum fluted base shall be constructed with a ____ inch diameter extruded aluminum shaft. The model shall be Sternberg Lighting **#4500** or **#4500R** for candy cane poles. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

CONSTRUCTION
The base shall be designed with fourteen flutes and made of heavy wall, 356 alloy cast aluminum. It shall have a 3/4" thick floor cast as an integral part of the base. It shall have a cast anchor bolt cover designed with a curved relief. The shaft shall be double circumferentially welded internally and externally to the base for added strength.
____ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.
____ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.
____ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

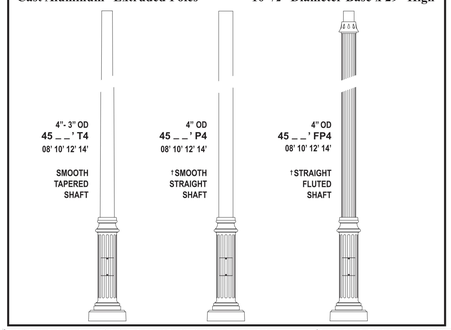
INSTALLATION
Four 1/2" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

Indicate the type of shaft needed (above)



**See installation template for exact door position. Bolt circle dimensions may change on taller poles.

Cast Aluminum - Extruded Poles — **10 1/2" Diameter Base x 29" High**



*For candy cane poles insert ___AG ft (feet - above grade height). See diagram on reverse side. †Tenon not supplied if fixture or arm slips 4" O.D.

11-13

StembergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

STERNBERG LIGHTING
555 LAWRENCE AVE.
ROSELLE, IL 60172
TOLL FREE: 1-800-621-3376
PHONE: (847) 588-3400
www.sternberglighting.com

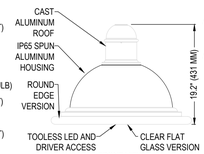
☑ SELECT DESIRED SHADE EDGE:
- ☐ ROUND EDGE (R)
- ☐ FLARED EDGE (F)

☑ SELECT DESIRED LENS:
- ☐ FLAT GLASS (FG)
- ☐ SAG GLASS (SG)
- ☐ FROSTED SAG GLASS (FSG)
- ☐ FLAT SOFT VUE MEDIUM ACRYLIC LENS (SV1)
- ☐ FLAT SOFT VUE HEAVY ACRYLIC LENS (SV2)

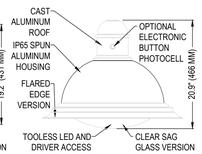
☑ SELECT DESIRED FINISH:
- ☐ GUN METAL TEXTURED (UGMT)
- ☐ GUN METAL MATTE (UGM)
- ☐ URBAN BRONZE TEXTURED (UBT)
- ☐ URBAN BRONZE MATTE (UB)
- ☐ URBAN LIGHT BRONZE TEXTURED (ULBT)
- ☐ URBAN LIGHT BRONZE MATTE (ULB)
- ☐ URBAN SILVER TEXTURED (USLT)
- ☐ URBAN SILVER MATTE (USL)
- ☐ URBAN WHITE TEXTURED (UWHT)
- ☐ URBAN WHITE MATTE (UWH)
- ☐ URBAN CHAMPAGNE SATIN SMOOTH (UCHS)
- ☐ BLACK TEXTURED (BKT)
- ☐ CUSTOM MATCH (CM) - SMOOTH FINISHES ARE AVAILABLE UPON REQUEST


TOP VIEW
ROUND EDGE WITH FLAT GLASS


TOP VIEW
FLARED EDGE WITH SAG GLASS



FRONT VIEW
ROUND EDGE WITH FLAT GLASS



FRONT VIEW
FLARED EDGE WITH SAG GLASS

SPECIFICATIONS:
EPA: .93 FT²
WEIGHT: 38 LBS
WARRANTY: 7 YEARS
LUMEN RANGE: 5,240 - 16,300
LIFE SPAN: L70 MIN 100,000 HRS
UL LISTED: YES
RATED: IP65

MANUFACTURER NOTES:
1. FOR FULL LIST OF OPTIONS AND ORDERING INFORMATION, VISIT www.sternberglighting.com

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER Plantsville DETS

DOWNLIGHTS
OMEGA (1527LED)

Plantsville DETS — REVISION DATE 04/15/2022

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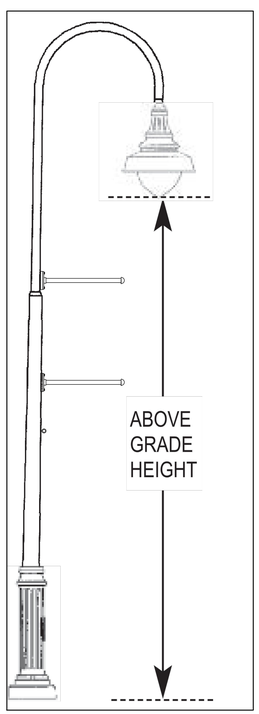
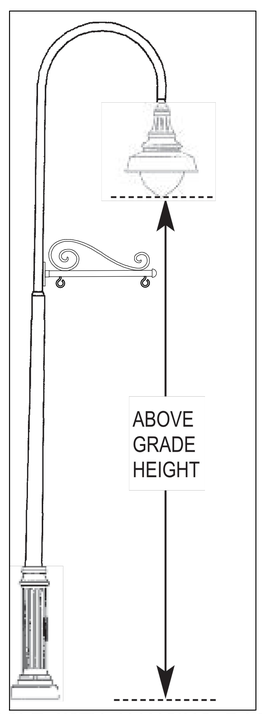
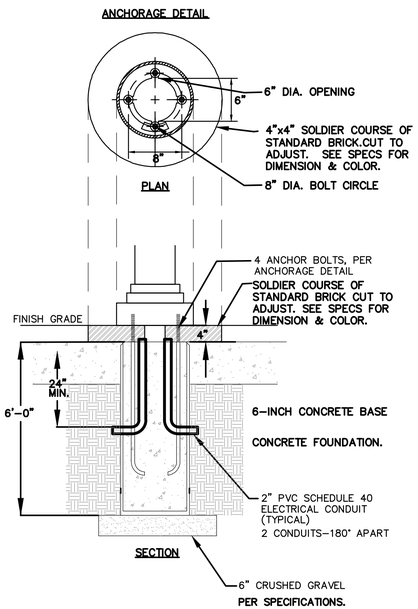


LIGHT POLE WITH BANNER ARMS
NOT TO SCALE



LIGHT POLE WITH HANGING BASKET ARM
NOT TO SCALE

ANCHORAGE DETAIL



LIGHT POLE FOUNDATION DETAIL

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No.	Date	Description
A		
P		
R		
O		
V		
E		
D		

REGISTERED PROFESSIONAL ENGINEER — DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

DECORATIVE LIGHT POLE DETAILS

DR.BY	DSN.BY	CHK.BY	APP.BY
NSD	LAS	ALN	ALN

JOB NO.	CONTRACT:	SCALE:	CADD NO.	FILE NO.
2180677		AS SHOWN		

D-2

SHEET 6 OF 62

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VICTOR STANLEY, INC.
-Manufacturers of Quality Site Furnishings since 1962-

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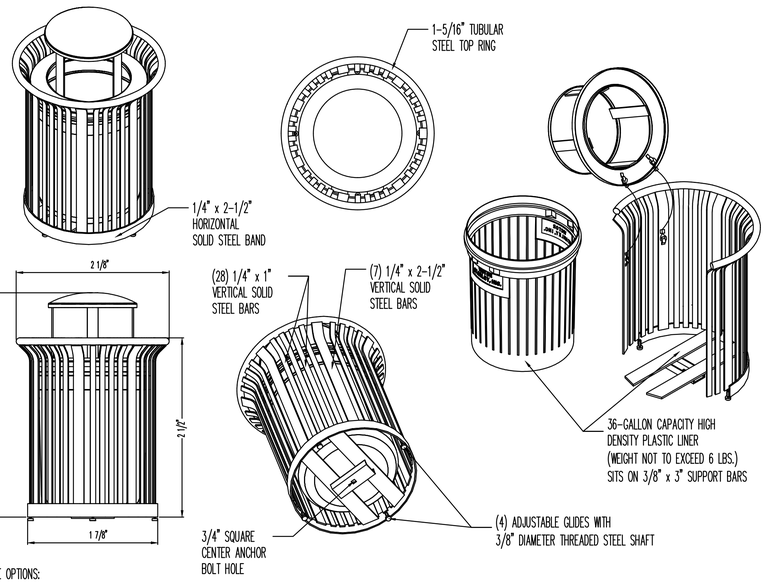
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 – FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM



AVAILABLE OPTIONS:
- POWDER COATING
  - 10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE).
- CUSTOM PLAQUES & DECALS
  - AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

LIDS
- STANDARD TAPERED FORMED LID. AVAILABLE WITH OPTIONAL S-2A FORMED DOME (AS SHOWN), S-2A FORMED DOME WITH STAINLESS STEEL ASHTRAY, AND DS-32 FORMED DOME WITH SELF CLOSING DOOR.

SECURITY
- LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE.

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
5. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

ES-342
ECONOMY SERIES
36-GALLON LITTER RECEPTACLE
SHOWN: OPTIONAL DS-32 FORMED DOME LID

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REV. 12/18/06 DRAWN M.C.W. 2006-262

TRASH RECEPTACLE
NOT TO SCALE

VICTOR STANLEY, INC.®
-Manufacturers of Quality Site Furnishings since 1962-

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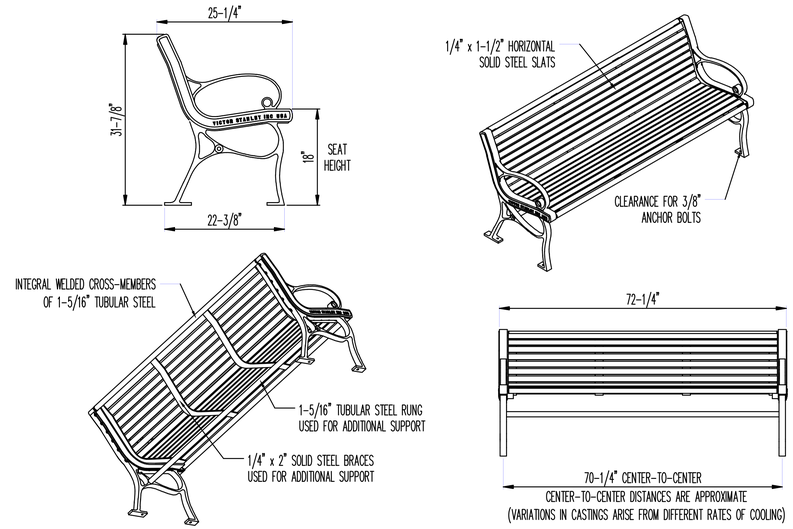
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 – FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *



CENTER-TO-CENTER DISTANCES ARE APPROXIMATE
(VARIATIONS IN CASTINGS ARISE FROM DIFFERENT RATES OF COOLING)

AVAILABLE OPTIONS:
- POWDER COATING
  - 10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
- INTERMEDIATE AND CENTER ARMRESTS
  - 4' & 6' AVAILABLE WITH OPTIONAL ARMRESTS
- LENGTHS
  - STANDARD 4'
  - STANDARD 6' (AS SHOWN)

NOTES:
1. DUCTILE IRON CASTINGS COME WITH A TEN YEAR WARRANTY AGAINST BREAKAGE.
2. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
3. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
4. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
5. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

CBF-138
CLASSIC SERIES
HORIZONTAL STEEL SLAT BENCH WITH DUCTILE IRON END FRAMES
SHOWN: STANDARD 6-FOOT LENGTH

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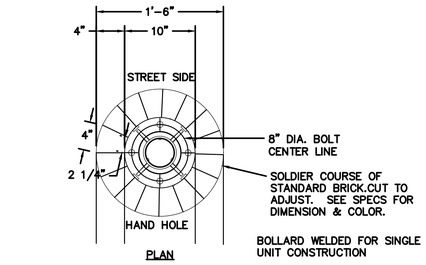
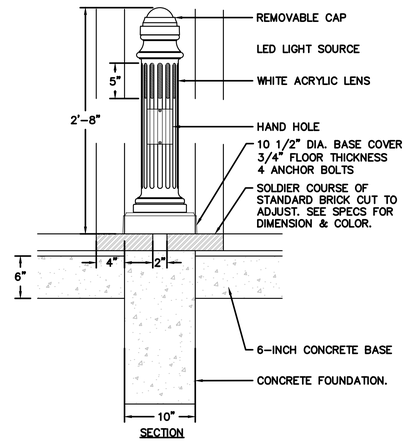
REV. 5/1/14 DRAWN L.D.L. 2014-440

BENCH
NOT TO SCALE

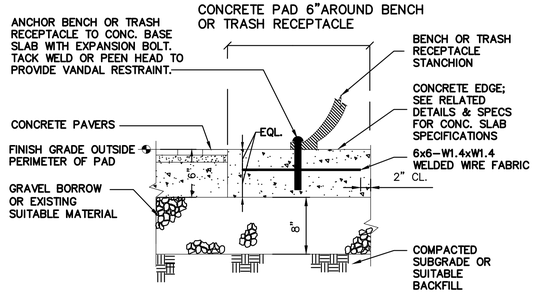


PLAN



SECTION

ORNAMENTAL LIGHT BOLLARD
NOT TO SCALE



BENCH & TRASH RECEPTACLE PAD
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No.	Date	Dr.By	Ck.By	App.By	Description	DATE
A	P.	P.	R.	O.	V.	E.	D.

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

SITE FURNISHING DETAILS

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 21806677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

FILE NO. D-3

SHEET 7 OF 62

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(a VICTOR STANLEY, INC.® affiliate)

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P.O. BOX 307, DUNKIRK, MD 20754 U.S.A.
INFO@SECURESITEDESIGN.COM
WWW.SECURESITEDESIGN.COM

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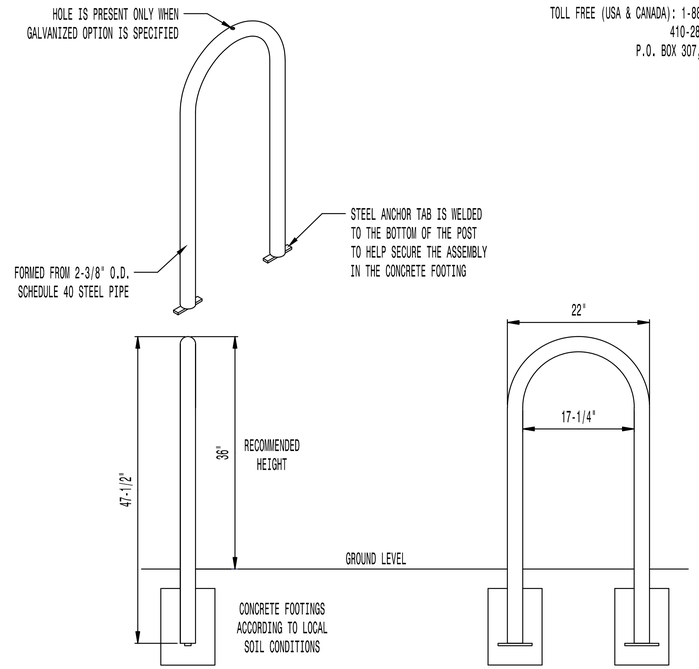

AVAILABLE OPTIONS:

POWDER COATING
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
(ALL POWDER COAT FINISHES ARE DONE AT VICTOR STANLEY, INC. (VSI) TO MATCH THE VSI PRODUCT LINE)
OTHER FINISHES: GALVANIZED, STAINLESS STEEL (SPECIAL QUOTE NEEDED)

MOUNTING
STANDARD IN-GROUND (AS SHOWN) AND SURFACE

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS SECURE SITE DESIGN, LLC. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
5. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

BRWS-101
CYCLE SENTRY™ SERIES
BIKE RACK
SHOWN: STANDARD IN-GROUND MOUNT

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REV. 8/9/13 DRAWN C.R.K 2013-878

BIKE RACK
NOT TO SCALE

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800.SAMPSON
www.westonandsampson.com

No.	Date	Dr.By	Ck.By	App.By	Description	DATE
		A	P.	P.	R O V E D	

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON
PLANTSVILLE SAFETY IMPROVEMENTS L131-0002
SITE FURNISHING DETAILS

DR.BY	DSN.BY	CHK.BY	APP.BY
NSD	LAS	ALN	ALN

CADD NO.	SCALE:	CONTRACT:	JOB NO.	FILE NO.
	AS SHOWN		2180677	

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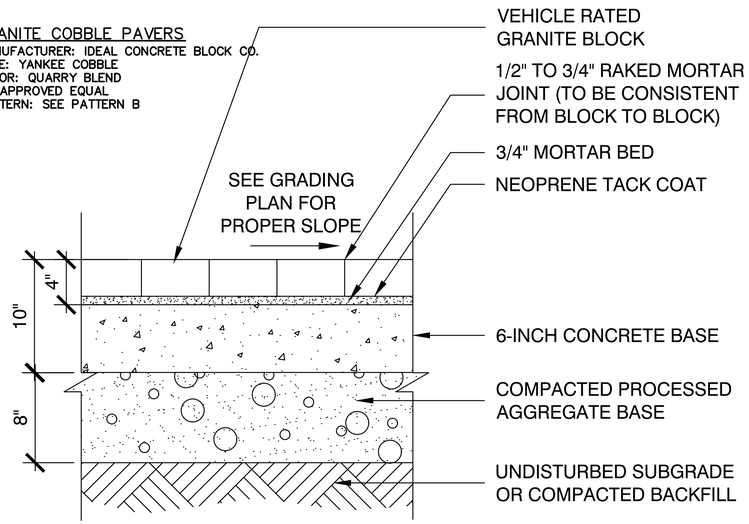
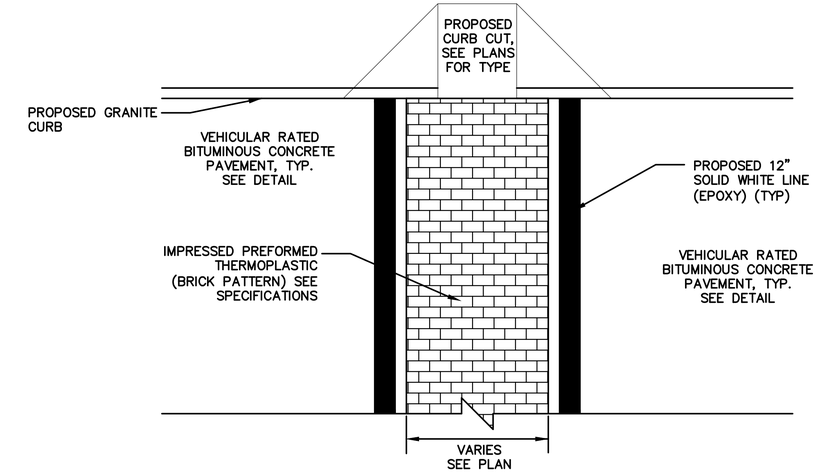
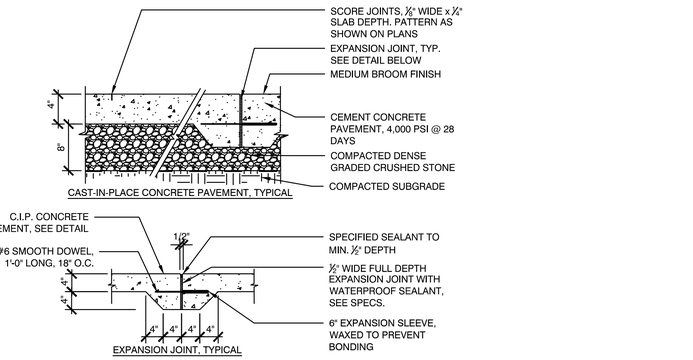
GRANITE COBBLE PAVERS
MANUFACTURER: IDEAL CONCRETE BLOCK CO.
TYPE: YANKEE COBBLE
COLOR: QUARRY BLEND
OR APPROVED EQUAL
PATTERN: SEE PATTERN B



GRANITE COBBLE AMENITY STRIP
NOT TO SCALE



DECORATIVE CROSSWALK
N.T.S.

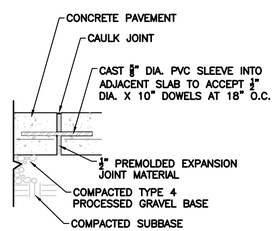


CAST-IN-PLACE CONCRETE PAVEMENT, TYPICAL

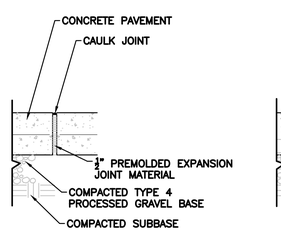
EXPANSION JOINT, TYPICAL

EXPANSION JOINT INSTALLATION NOTES:

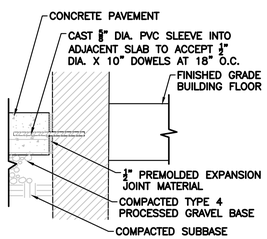
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING AND EXISTING CONCRETE PAVING TO REMAIN.
2. DELETE EXPANSION SLEEVE AND DOWEL WHERE JOINT ABUTS WALL, CURBS, OR OTHER VERTICAL SURFACES, UNLESS OTHERWISE NOTED.
3. AREA IN BETWEEN EXPANSION JOINTS SHALL BE 144 SQ.FT. MAX., UNLESS SHOWN OTHERWISE.
4. EXPANSIONS JOINTS SHALL BE PLACED WHERE NEW CEMENT CONCRETE PAVEMENT MEETS EXISTING PAVEMENT OR WALLS TO REMAIN.
5. ALL EXPANSION JOINTS SHALL BE SAW CUT.



TYPICAL EXPANSION JOINT IN WALKS AND SLABS

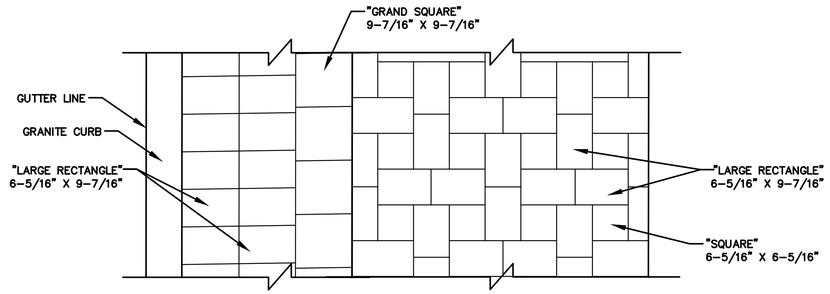


TYPICAL EXPANSION JOINT IN WALKS AND SLABS (ONLY WHERE IDENTIFIED ON PLANS)



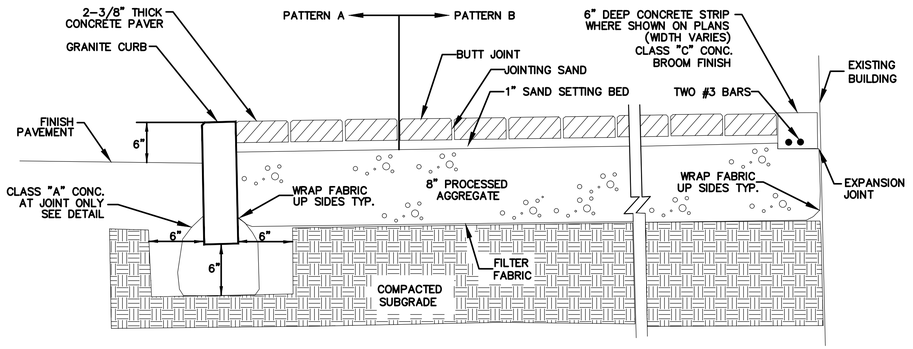
TYPICAL EXPANSION JOINT AT BUILDING ENTRANCES

CONCRETE EXPANSION JOINTS
NOT TO SCALE



CONCRETE PAVER – PATTERN A PLAN
NOT TO SCALE

CONCRETE PAVER – PATTERN B PLAN
NOT TO SCALE



TYPICAL PAVER DETAIL (SIDEWALK)
NOT TO SCALE

CONCRETE PAVERS
MANUFACTURER: IDEAL CONCRETE BLOCK CO.
TYPE: MILLSTONE
COLOR: BEACON HILL BLEND
OR APPROVED EQUAL

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No.	Date	Description	Dr.By	Ck.By	App.By	DATE
A	P	P	R	O	V	E	D	

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON
PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

MISCELLANEOUS CONSTRUCTION DETAILS

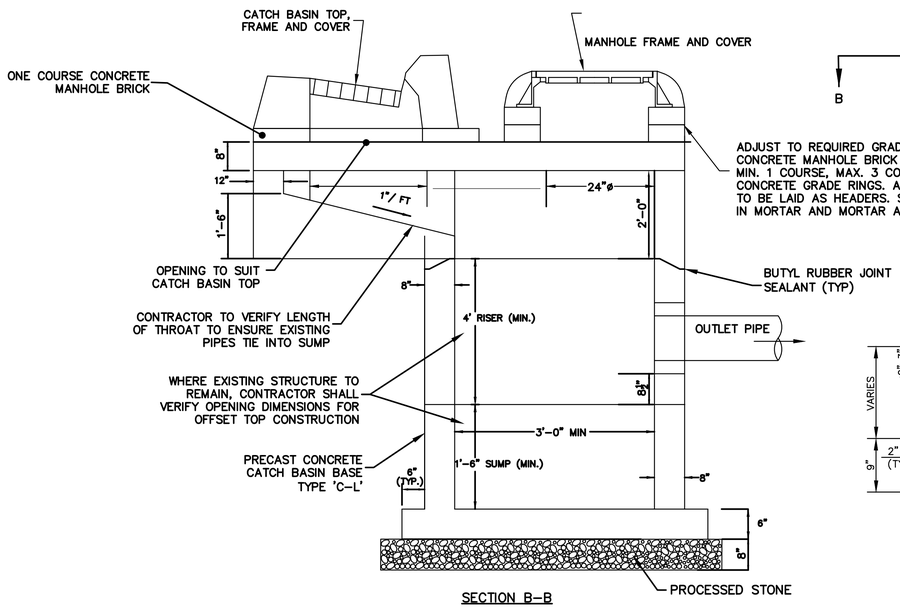
SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO. | FILE NO.

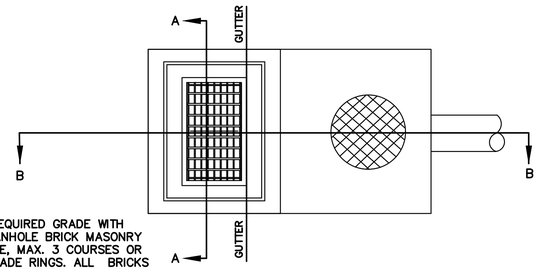
D-5

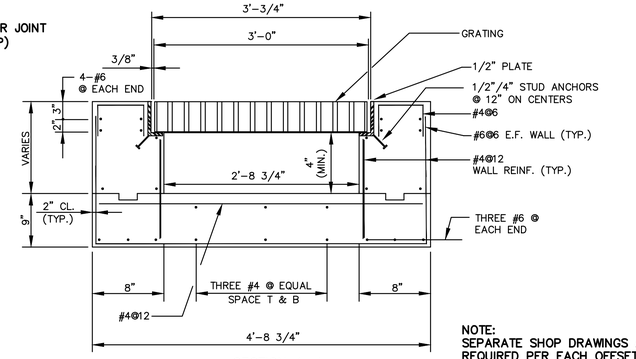
\\wse03.local\WSE\Projects\CT\Southington_CT\2180677_Plantsville Safety Improvements\CAD\Plantsville DETS.dwg

NOTES
1. SET TOP SLAB TO MEET EXIST. SLOPE OF CURB LINE AND CROSS SLOPE OF SIDEWALK. ADJUST DIMENSIONS OF CAST-IN-PLACE SECTION.
2. PRECAST SECTIONS SHALL BE CAPABLE OF WITHSTANDING AASHTO H-20 TRAFFIC LOADING.



SECTION B-B



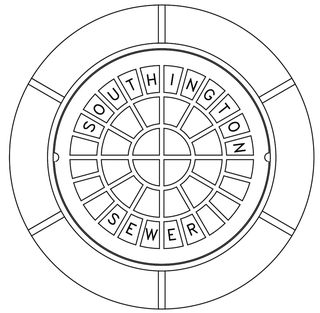


SECTION A-A

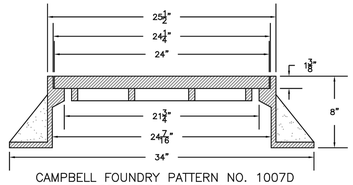
NOTE:
SEPARATE SHOP DRAWINGS ARE REQUIRED PER EACH OFFSET CATCH BASIN AND OFFSET CATCH BASIN TOP.

OFFSET CATCH BASIN

N.T.S.



AASHTO HS20-44 HIGHWAY LOADING



CAMPBELL FOUNDRY PATTERN NO. 1007D OR APPROVED EQUAL

ALL SPECS FROM DOT FORM 817 ADOPTED 2016

TOWN OF SOUTHINGTON
TOWN OF SOUTHINGTON STANDARD SANITARY MANHOLE DETAIL
SCALE: HORIZ. N.T.S. VERT. N/A
NO. MARCH YR. 2017
DATE 2/2/2017
DRAWN BY JSN
CHECKED BY JSN
APPROVED BY JSN
DATE 2/2/2017
SHEET NO. 1

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No.	Date	Dr.By	Ck.By	App.By	Description

APPROVED

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

STORM DRAINAGE AND SANITARY SEWER DETAILS

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

D-6

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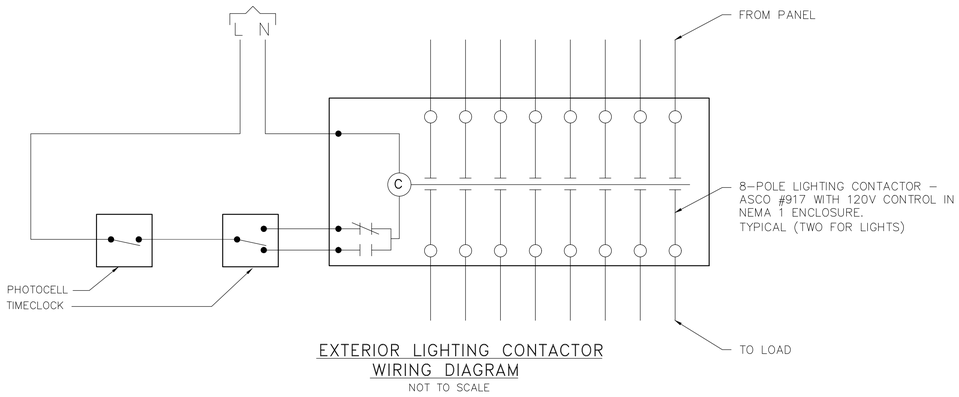


EXTERIOR LIGHTING CONTACTOR WIRING DIAGRAM

NOT TO SCALE

PANELBOARD SCHEDULE

DESIGNATION: PPL1 — S.C. RATING: 22,000A RMS SYSTEM — REMARKS:

LOCATION: CABINET — SERVICE: 208/120V,3ø,4W

RATING: 150 AMPS — MOUNTING: SURFACE

MAIN: 150 AMP MCB

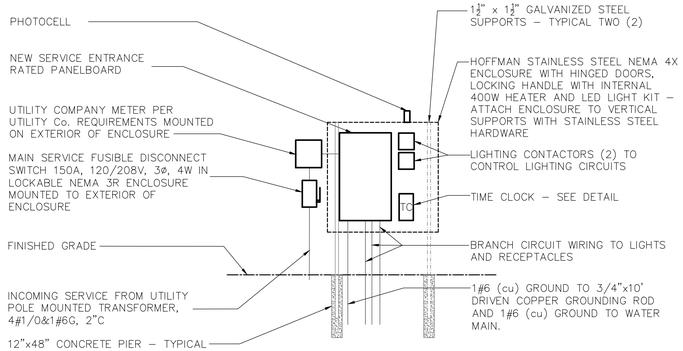
CKT. NO.	LOAD DESIGNATION	BREAKER TRIP	BREAKER POLE	PHASE A B C	BREAKER POLE	BREAKER TRIP	LOAD DESIGNATION	CKT. NO.
1	LIGHT POLES	20				20	LIGHT POLES	2
3								4
5	LIGHT POLE RECEPTACLE	20				20	LIGHT POLE RECEPTACLE	6
7	LIGHT POLES	20				20	LIGHT POLE RECEPTACLE	8
9						20	LIGHT POLE RECEPTACLE	10
11	LIGHT POLE RECEPTACLE	20				20	LIGHT POLES	12
13	LIGHT POLE RECEPTACLE	20						14
15	LIGHT POLE RECEPTACLE	20				20	LIGHT POLE RECEPTACLE	16
17	LIGHT POLES	20				20	LIGHT POLE RECEPTACLE	18
19						20	LIGHT POLE RECEPTACLE	20
21	LIGHT POLE RECEPTACLE	20				20	LIGHT POLE RECEPTACLE	22
23	LIGHT POLE RECEPTACLE	20				20	TIME CLOCK/ PHOTOCELL	24
25	LIGHT POLE RECEPTACLE	20				20	CABINET HEATER AND LIGHT	26
27	LIGHT POLE RECEPTACLE	20				20	SPARE	28
29	LIGHT POLE RECEPTACLE	20				20	SPARE	30
31	LIGHT POLE RECEPTACLE	20				–	SPACE	32
33	SPACE	–				–	SPACE	34
35	SPACE	–				–	SPACE	36
37	SPACE	–				–	SPACE	38
39	SPACE	–				–	SPACE	40
41	SPACE	–				–	SPACE	42

CONDUCTOR SCHEDULE

ID	CIRCUIT	WIRE SIZE	REMARKS
C1	-	4#1/0 & 1#6GND (SERVICE)	CONCRETE ENCASED
C2	1,3	2#10 & 1#10GND (LTS)	DIRECT BURIED
C3	5	2#10 & 1#10GND (REC)	DIRECT BURIED
C4	2,4	2#10 & 1#10GND (LTS)	DIRECT BURIED
C5	6	2#10 & 1#10GND (REC)	DIRECT BURIED
C6	8	2#8 & 1#10GND (REC)	DIRECT BURIED
C7	10	2#8 & 1#10GND (REC)	DIRECT BURIED
C8	7,9	2#10 & 1#10GND (LTS)	DIRECT BURIED
C9	11	2#8 & 1#10GND (REC)	DIRECT BURIED
C10	13	2#8 & 1#10GND (REC)	DIRECT BURIED
C11	15	2#6 & 1#10GND (REC)	DIRECT BURIED
C12	12,14	2#10 & 1#10GND (LTS)	DIRECT BURIED
C13	16	2#10 & 1#10GND (REC)	DIRECT BURIED
C14	18	2#8 & 1#10GND (REC)	DIRECT BURIED
C15	20	2#6 & 1#10GND (REC)	DIRECT BURIED
C16	17,19	2#8 & 1#10GND (LTS)	DIRECT BURIED
C17	21	2#10 & 1#10GND (REC)	DIRECT BURIED
C18	23	2#8 & 1#10GND (REC)	DIRECT BURIED
C19	25	2#8 & 1#10GND (REC)	DIRECT BURIED
C20	27	2#6 & 1#10GND (REC)	DIRECT BURIED
C21	29	2#6 & 1#10GND (REC)	DIRECT BURIED
C22	31	2#6 & 1#10GND (REC)	DIRECT BURIED

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP NO.	LAMP TYPE	MOUNTING	VOLTAGE	WATTS	REMARKS
A	DECORATIVE LED STREET LIGHT, BELL STYLE	STERNBERG LIGHTING	1A-1521LED-F-12L30T2-DL018-SV1-BLOC	-	6345 LUMEN 3000K LED	POLE	MVOLT	60	
P1	DECORATIVE ALLOY CAST ALUMINUM POLE	STERNBERG LIGHTING	4512T4-3-.188-/STD	-	–	–	–	–	
B	DECORATIVE PEDESTRIAN	STERNBERG LIGHTING	4501LED-30-TS-MDL07-BKT	-	LED	BOLLARD	MVOLT	30	



SERVICE ENTRANCE DETAIL

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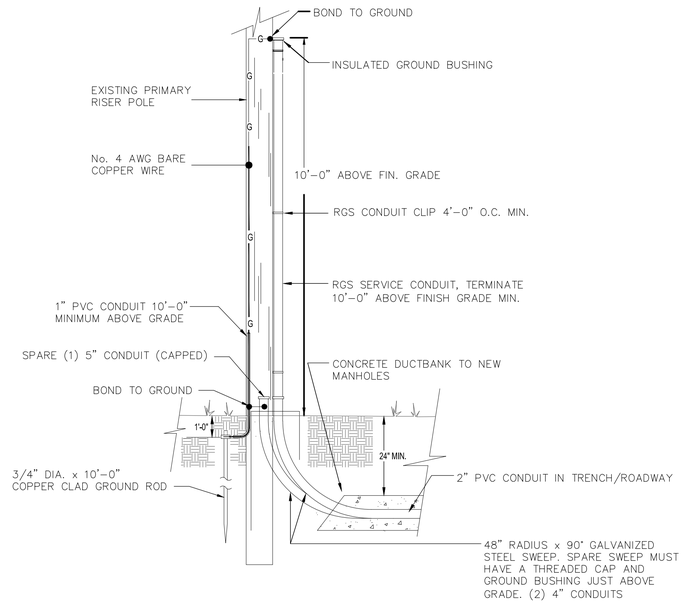
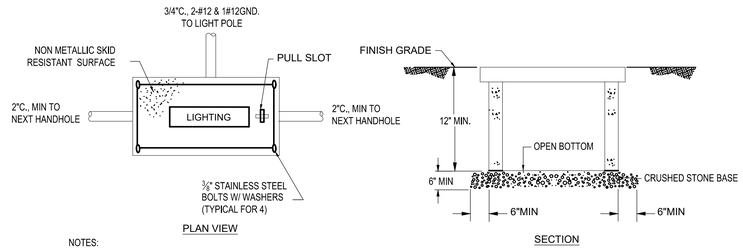


TYPICAL RISER POLE DETAIL

NOT TO SCALE



NOTES:

1. THIS HANDHOLE IS INTENDED FOR NON-DELIBERATE VEHICULAR TRAFFIC ONLY.
2. HANDHOLE SHALL BE PREFABRICATED POLYMER CONCRETE AGGREGATE EQUAL TO QUAZITE OR EQUAL PRE CAST CONCRETE CONSTRUCTION.

PREFABRICATED HANDHOLE "HH" DETAIL

NOT TO SCALE

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No.	Date	Description	Dr.By	Ck.By	App.By
A	P.	P.	R	O	V
E	D				

DATE

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

ELECTRICAL DETAILS

DR.BY	CHK.BY	APP.BY
NSD	LAS	ALN

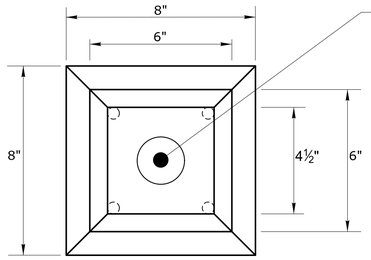
JOB NO.	SCALE:	CONTRACT:	CADD NO.	FILE NO.
2180677	AS SHOWN			

D-7

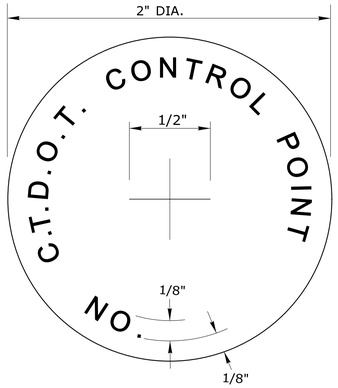
\\vwa03.local\WSE\Projects\CT\Southington_CT\2180677_Plantsville Safety Improvements\CAD\Plantsville SETS.dwg

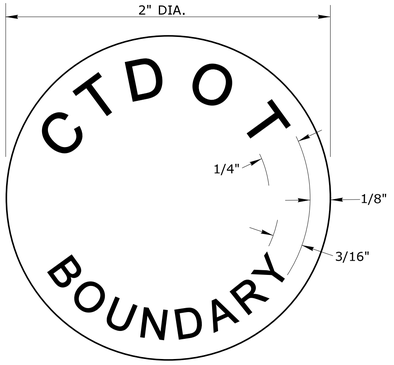
GENERAL NOTES:

1. REINFORCING STEEL DEFORMED BARS SHALL CONFORM TO LATEST ASTM SPECIFICATION A615, GRADE 60 MIN. COVER 2".
2. USE CLASS "F" CONCRETE. CONCRETE COMPRESSIVE STRENGTH 4,000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
3. MANUFACTURER IS TO CONTACT DOT DISTRICT SURVEY - BOUNDARY RIGHT-OF-WAY SURVEY FOR SURVEY DISK.
4. CTDOT DISKS SHALL BE PLACED IN LEDGE AT 3" DEPTH WITH HYDRAULIC CEMENT OR ANCHORING CEMENT.
5. A #6 (3/4" DIA.) REINFORCING BAR WITH ALUMINUM CAP (PROVIDED BY DOT) 3' LONG MAY BE USED AS DIRECTED BY THE SURVEYOR.

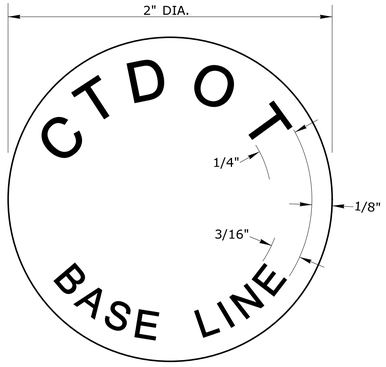


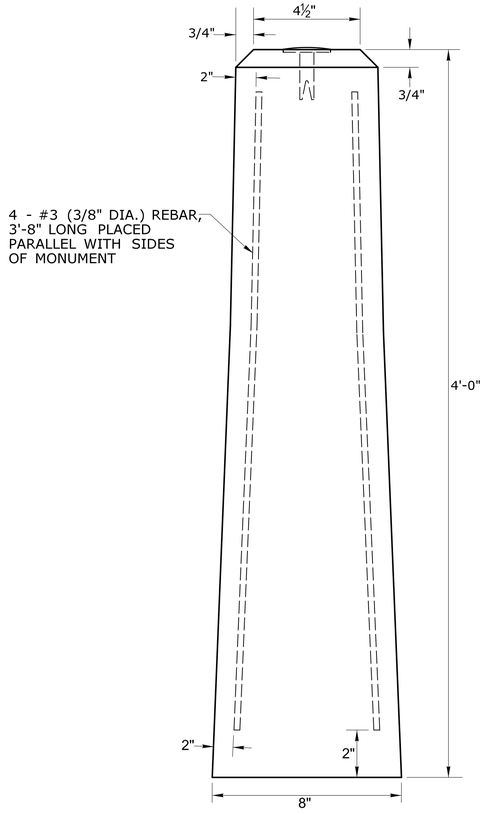
PLAN



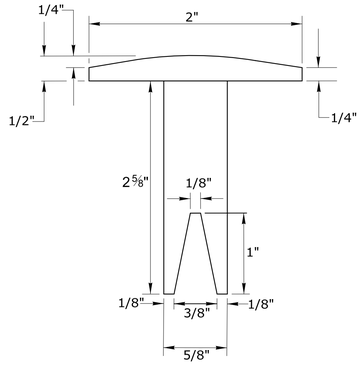


PLAN





ELEVATION



ELEVATION

DETAIL "A"

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted Date: 1/30/2019

DESIGNER/DRAFTER: -

CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD_[1-28-19].dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

PLANTSVILLE SAFETY IMPROVEMENTS

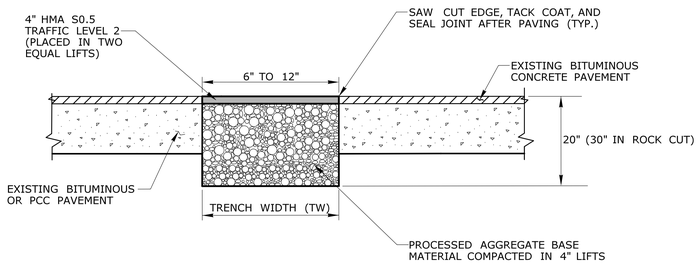
TOWN: SOUTHINGTON

PROJECT NO. L131-0002

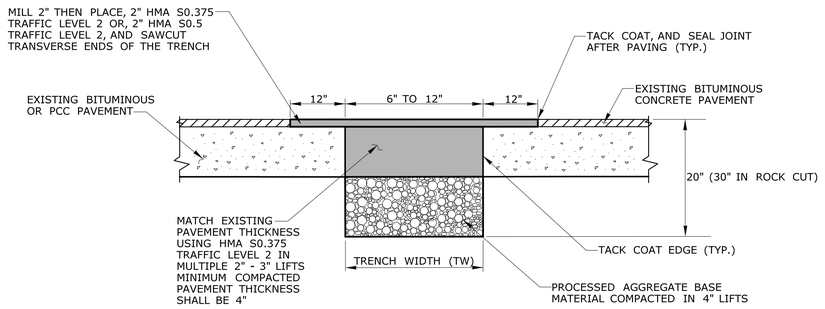
DRAWING NO. D-8

DRAWING TITLE: **CTDOT BOUNDARY MARKER**

SHEET NO. 12



TEMPORARY PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



PERMANENT PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

   A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

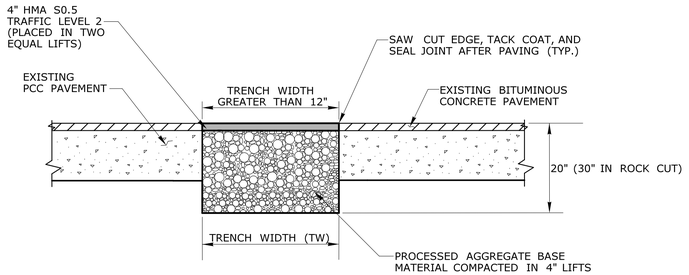
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

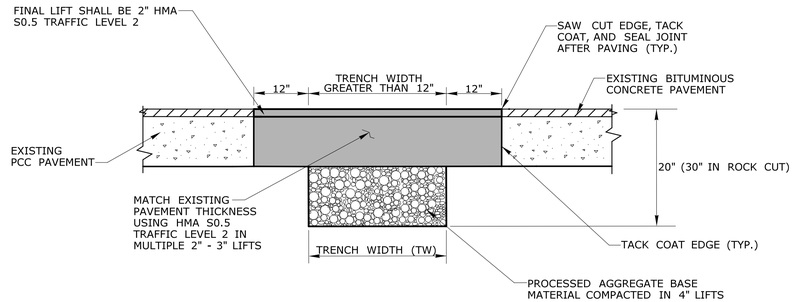
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

   A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

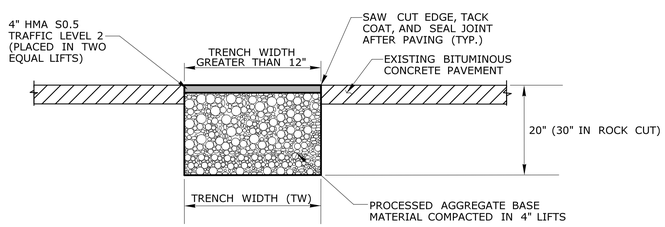
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



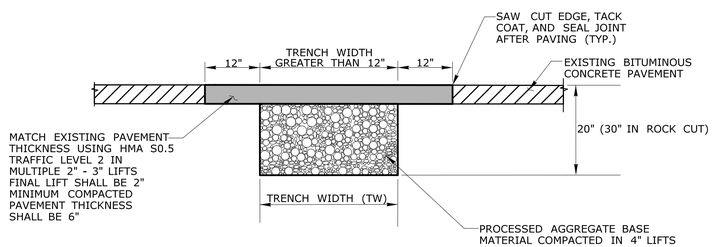
TEMPORARY PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



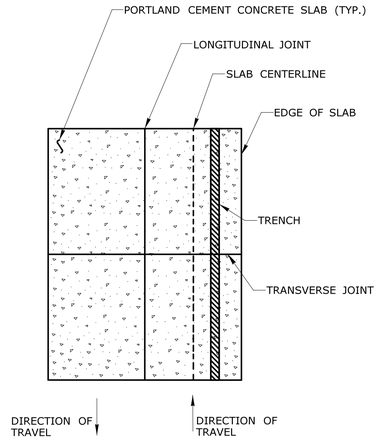
PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



TEMPORARY PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")

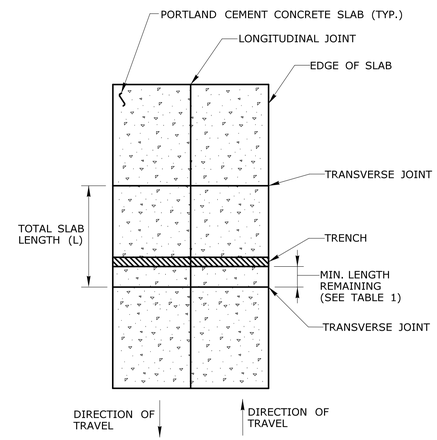


PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE



LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT

(SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT

(SEE NOTE 2)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DEPARTMENT OF TRANSPORTATION

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SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

PLANTSVILLE SAFETY
IMPROVEMENTS

TOWN: SOUTHINGTON

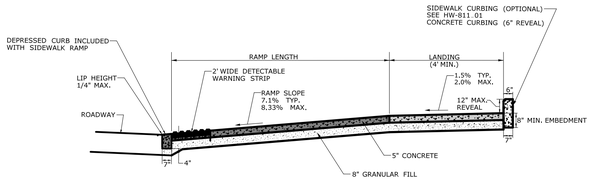
DRAWING TITLE:

PAVEMENT REPAIR

PROJECT NO. L131-0002

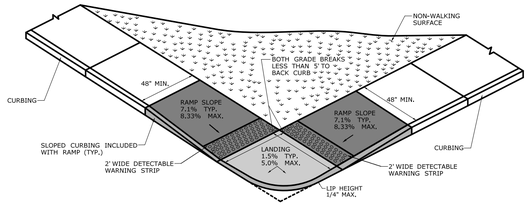
DRAWING NO. D-9

SHEET NO. 13



BASIC RAMP ATTRIBUTES

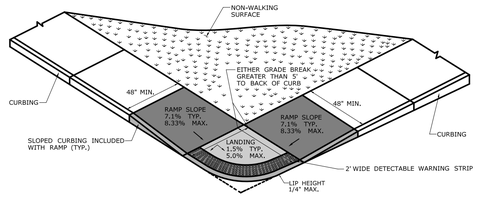
- Plan view of Ramp Components
- Section View of Typical Ramp
- Wheelchair Cross-slope Criteria
- Ramp Warping Detail



PERPENDICULAR RAMP(S)
LANDING'S GRADE BREAK OF 5' OR LESS

TYPE 1 SIDEWALK ABUTS ROADWAY

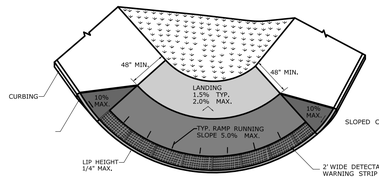
TYPE 3 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



BLENDED RAMP(S)
LANDING'S GRADE BREAK GREATER THAN 5'

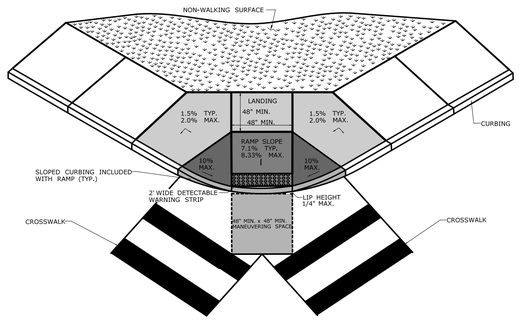
TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



BLENDED RAMP(S)
LANDING'S IS LOCATED ON TOP

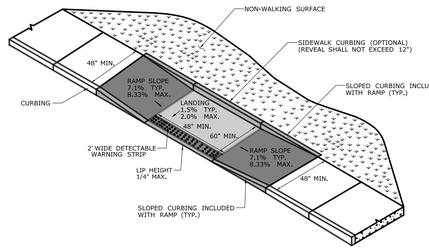
TYPE 5 SIDEWALK ABUTS ROADWAY



PERPENDICULAR RAMP(S) WITH
STREET MANEUVERING SPACE

TYPE 6 LANDING OBSTRUCTION PRESENT

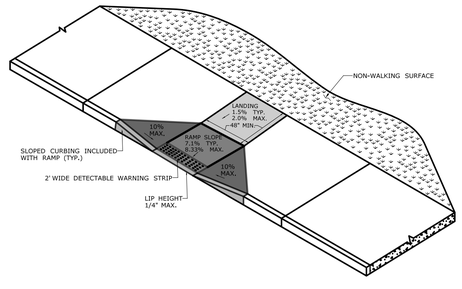
TYPE 7 NO LANDING OBSTRUCTION



PARALLEL RAMP(S)

TYPE 9 TWO RAMP(S) APPROACH TO LANDING

TYPE 10 SINGLE RAMP TO LANDING



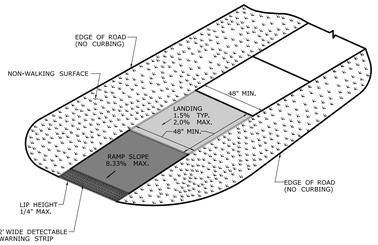
PERPENDICULAR RAMP(S)

TYPE 8 LANDING BYPASS WITH WALKABLE SURFACE

TYPE 13 LANDING WITH NON-WALKABLE SURFACE

TYPE 12 60" X 48" LANDING WITH NON-WALKABLE SURFACE

TYPE 11 60" X 60" LANDING WITH NON-WALKABLE SURFACE



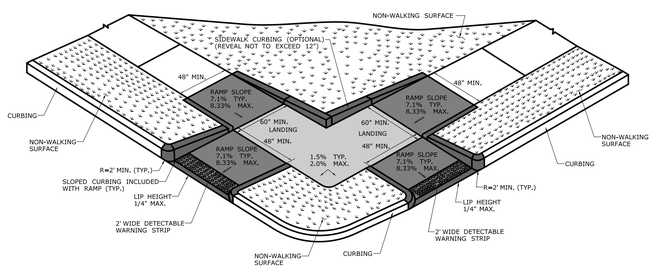
SINGLE DIRECTION RAMP(S)

TYPE 15 LANDING'S GRADE BREAK LESS THAN 5 FT

TYPE 14 LANDING'S GRADE BREAK GREATER 5 FT

TYPE 16 RAMP WITH RETURN CURBING

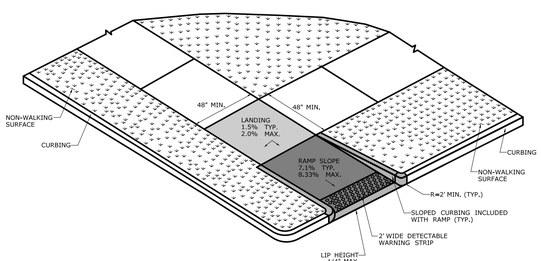
TYPE 17 RAMP WITH NO RETURN CURBING



PERPENDICULAR RAMP(S)

TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS

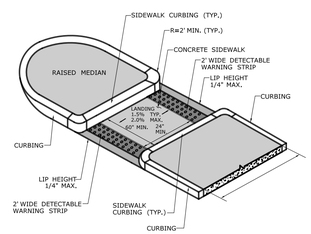
TYPE 19 COMBINATION SIDEWALK RAMPS



RESTRICTED PEDESTRIAN CROSSING
SIDEWALK RAMP(S)

TYPE 20 SINGLE RAMP FROM LANDING

TYPE 21 TWO RAMP(S) TO LANDING



PEDESTRIAN REFUGE ISLAND(S)

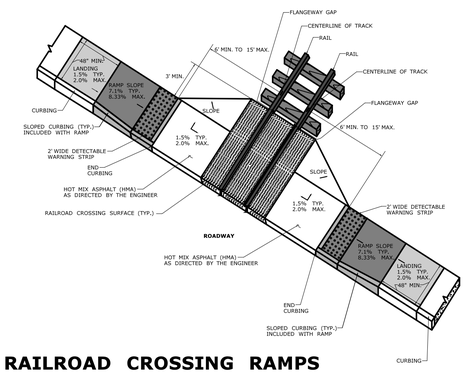
TYPE 22 ISLAND WIDTH 6 FT OR MORE

TYPE 23 ISLAND LESS THAN 6 FT WIDE

TYPE 24 REFUDGE ISLAND WITH ELEVATED LANDING

TYPE 25 RIGHT TURN SLIP-LANE REFUDGE ISLAND

TYPE 26 REFUDGE ISLAND WITH OFFSET ACCESS



RAILROAD CROSSING RAMPS

TYPE 27 RAILROAD CROSSING WITHOUT GATE

TYPE 28 RAILROAD CROSSING WITH GATE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 6/11/2019

DESIGNER/DRAFTER: -

CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD_SIDEWALK_INDEX [6-3-19].dgn

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APPROVED BY:

PROJECT TITLE:

PLANTSVILLE SAFETY
IMPROVEMENTS

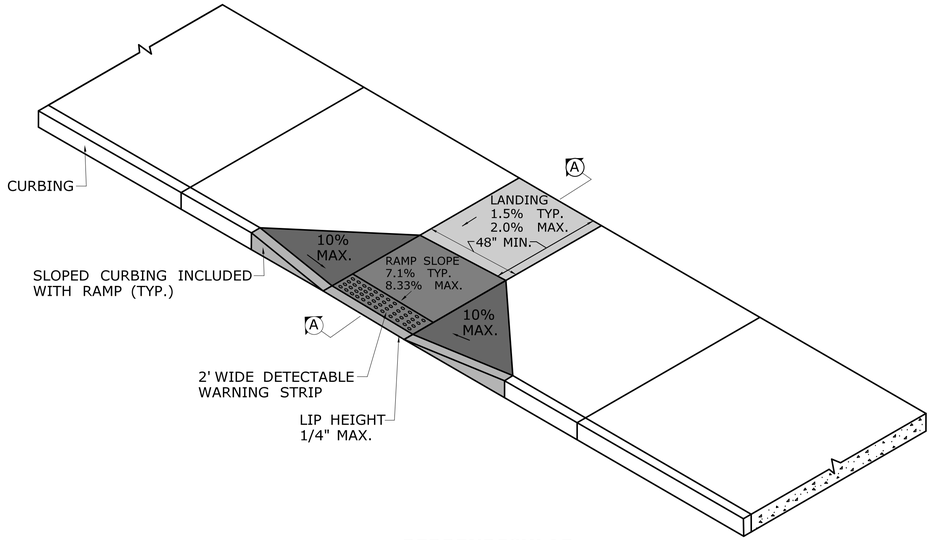
TOWN: SOUTHINGTON

DRAWING TITLE:
CONCRETE SIDEWALK RAMP(S) INDEX

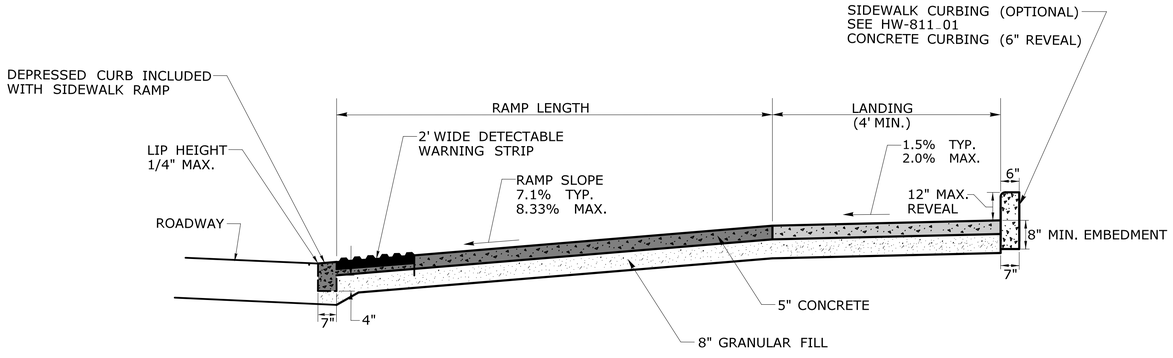
PROJECT NO. L131-0002

DRAWING NO. D-10

SHEET NO. 14



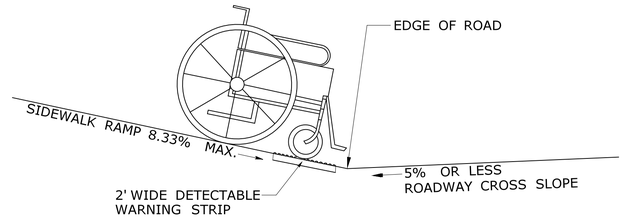
PERPENDICULAR SIDEWALK RAMP



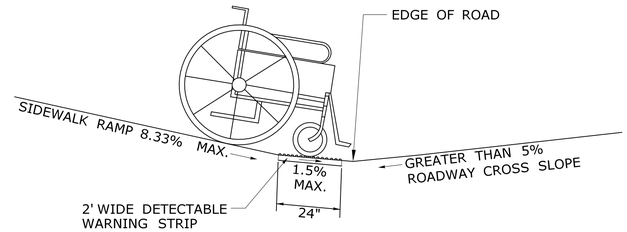
SECTION AA

GENERAL NOTES:

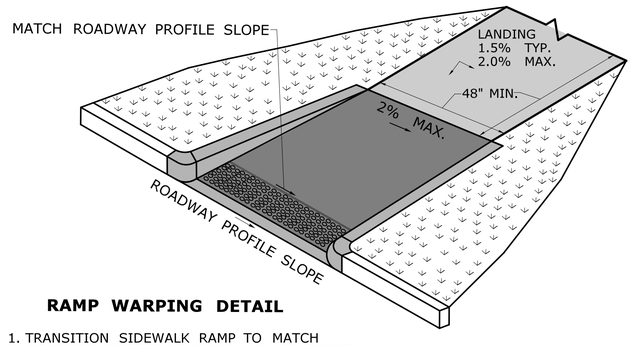
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE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



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



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



RAMP WARPING DETAIL

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

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1.	6/19	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE	

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Filename: ...\CTDOT_HIGHWAY_GD [5-30-19].dgn

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OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
PLANTSVILLE SAFETY IMPROVEMENTS

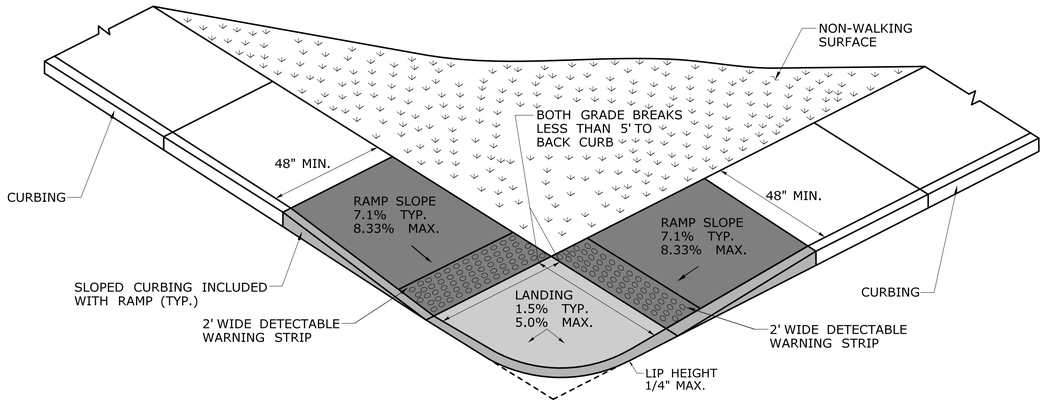
TOWN: SOUTHINGTON

DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 1

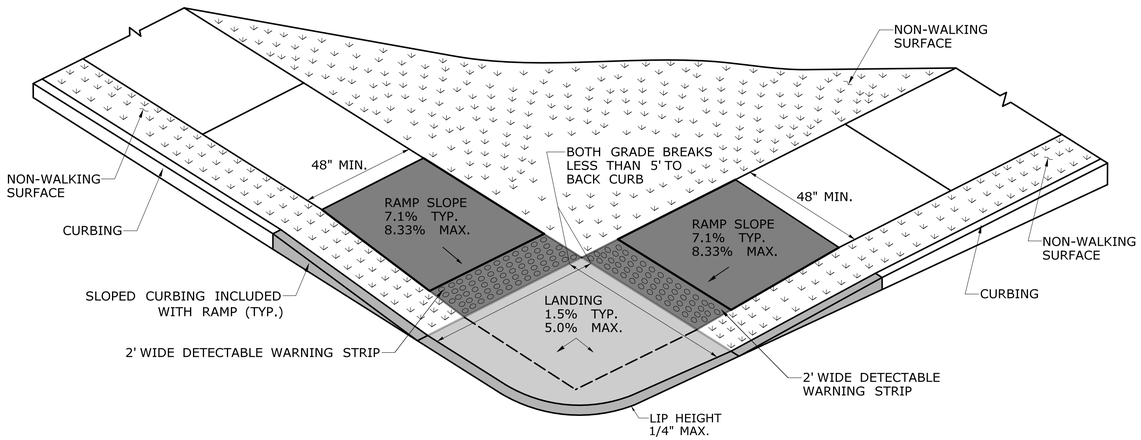
PROJECT NO. L131-0002

DRAWING NO. D-11

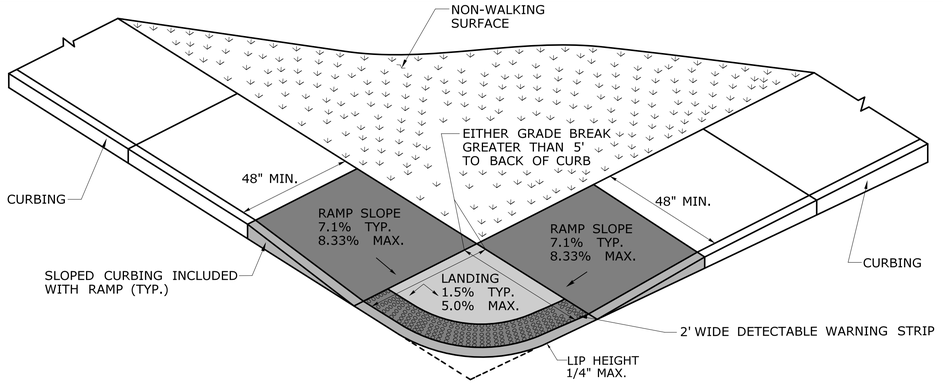
SHEET NO. 15



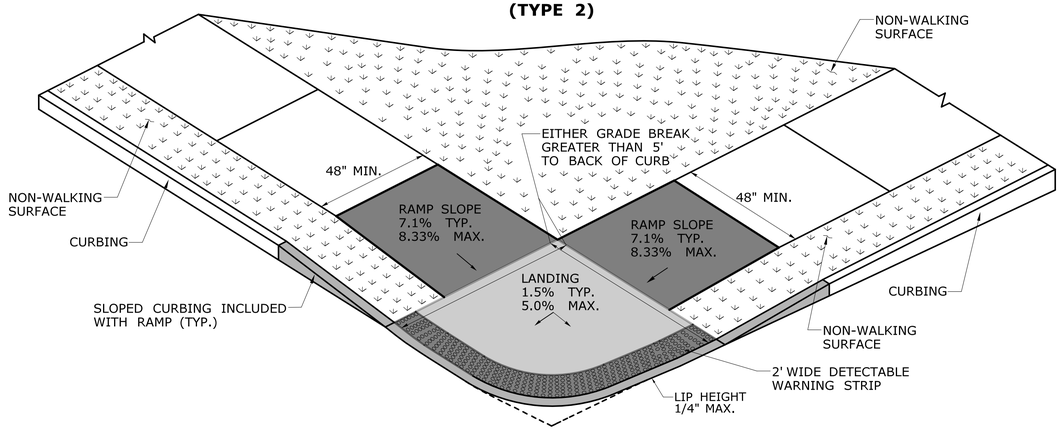
PERPENDICULAR RAMP
WITH A GRADE BREAK OF 5' OR LESS
(TYPE 1)



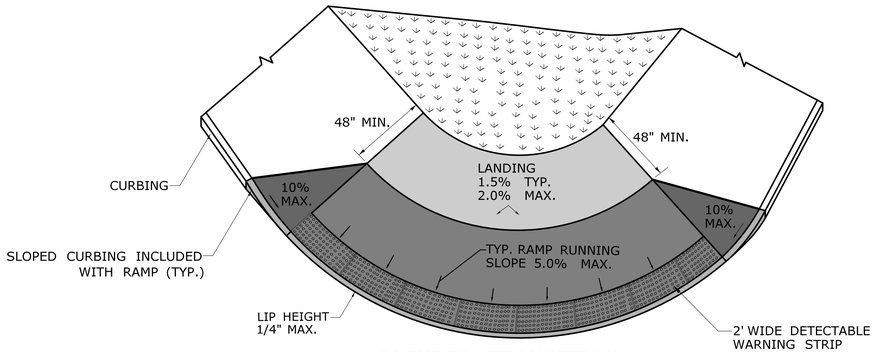
PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
(TYPE 3)



BLENDED TRANSITION
WITH GRADE BREAK GREATER THAN 5'
(TYPE 2)



BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
(TYPE 4)



BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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APPROVED BY:

PROJECT TITLE:
PLANTSVILLE SAFETY IMPROVEMENTS

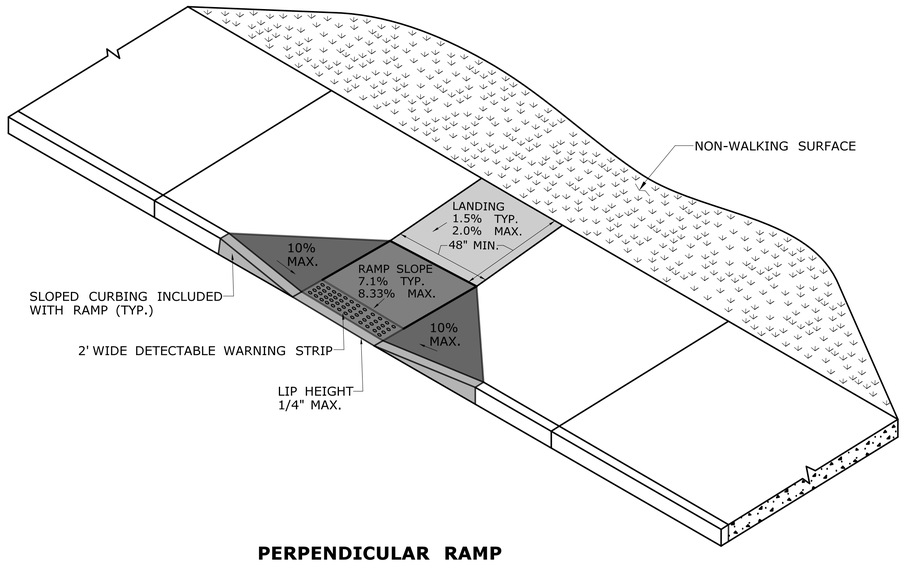
TOWN: SOUTHINGTON

DRAWING TITLE:
CONCRETE SIDEWALK RAMPS - SHEET 2

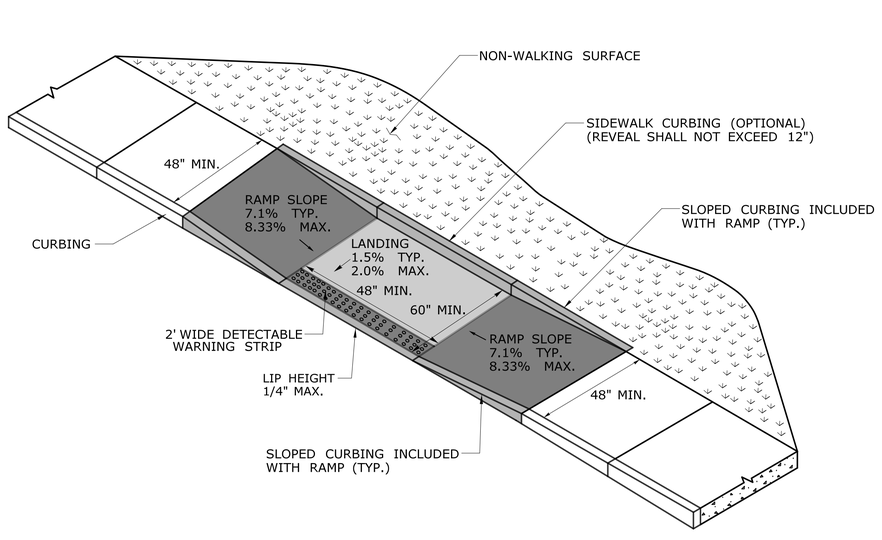
PROJECT NO. L131-0002

DRAWING NO. D-12

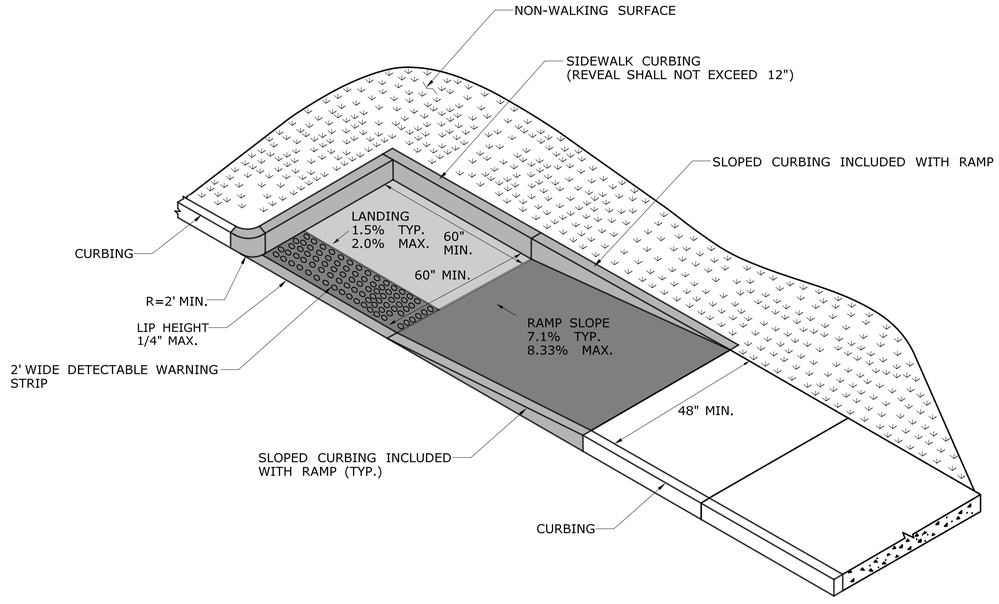
SHEET NO. 16



PERPENDICULAR RAMP
WITH 48" BY-PASS
(TYPE 8)



PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)



PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD_[1-28-19].dgn

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OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
PLANTSVILLE SAFETY IMPROVEMENTS

TOWN: SOUTHINGTON

DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 4

PROJECT NO. L131-0002

DRAWING NO. D-13

SHEET NO. 17

R1 - SERIES

R1-1



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.85	18	31-0532	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100

R1-2



LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.97	18	31-0520	1	.080
3.90	36	31-0523	1	.080
6.77	48	31-0522	2	.100
10.83	60	31-0528	2	.100

R1-3P



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	2	.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



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604	1	.080
9.00	36X36	31-1627	2	.080

R3-2



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603	1	.080
9.00	36X36	31-1629	2	.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

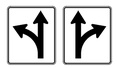
R3-5



31-0183 31-0184

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-6



31-0157 31-0158

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-7



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

R3-7



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

R3-6



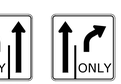
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0175	1	.080

R3-8



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	31-0290	1	.080

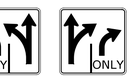
R3-8



31-0222 31-0223

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

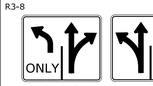
R3-8



31-0262 31-0261

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

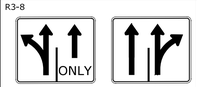
R3-8



31-0282 31-0283

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

R3-8



31-0295 31-0219

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

R3-8



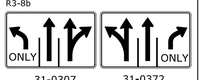
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

R3-8b



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

R3-8b



31-0307 31-0372

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

R3-8b



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

R3-8b



31-0370 31-0371

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

R4-16



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

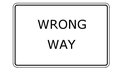
R5-1



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

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

R5-10a(CT)



LEGEND - BLACK
TOP SECTION BACKGROUND - YELLOW
BOTTON SECTION BACKGROUND - WHITE

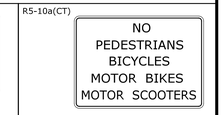
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	60X78	31-1719	2	.125

R5-10c



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

R5-10a(CT)



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

R5-11



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1790	1	.080
20.00	48X36	31-1792	2	.100

R6 - SERIES

R6-1



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

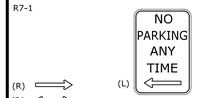
R6-1



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

R7 - SERIES

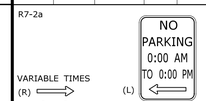
R7-1



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

R9-3



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	31-1705	1	.080
4.00	24x24	31-1769	1	.080
6.25	30x30	31-1770	1	.080

R9-3a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-1702	1	.080

R10 - SERIES

R10-6

31-0801 31-0802

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

R10-7

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

R10-11b

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

R10-10L

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

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

R10-11c(CT)

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

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	4X48	31-5003	1	.080
2.00	4X72	31-5004	1	.080

NOTES:

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 - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
3	12-2018	REVISED RETROREFLECTIVE STRIPS	TR-GS_01
2	10-2018	REVISED R5-11 SIGNS PER MUTCD	TR-GS_01
1	6-2018	NEW SHEET ISSUED	TR-GS_01

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

Plotted Date: 1/16/2019

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/ BLOCK: **OFFICE OF ENGINEERING**
APPROVED BY: DATE:

PROJECT TITLE: PLANTSVILLE SAFETY IMPROVEMENTS

TOWN: SOUTHINGTON

DRAWING TITLE: **SIGN FACE SHEET ALUMINUM (X)**
R-SERIES TYPICAL SIGN DETAILS

PROJECT NO. L131-0002
DRAWING NO. D-14
SHEET NO. 18

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

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

W1-6



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

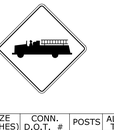
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4223	2	.100
12.50	60X30	41-4262	2	.100

W1-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4029	1	.080
9.00	36	41-4169	1	.080

W1-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4168	1	.080
9.00	36	41-4032	1	.080

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

W1-8

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

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-3951	1	.080
7.50	30X36	41-4211	1	.080
12.00	36X48	41-4260	2	.080

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

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

W3 - SERIES

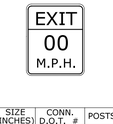
W3-1



OCTAGON - RED

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

W3-2



TRIANGLE - RED & WHITE

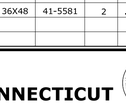
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
16.00	48	41-0506	2	.100

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
16.00	48	41-0848	2	.100



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



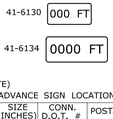
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448	1	.080
16.00	48	41-4452	2	.100

W4-1



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

W4-2



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

W4-2

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

W4-3

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

W4-3

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

W5 - SERIES

W5-1



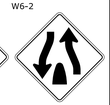
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1

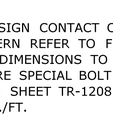


W6-2



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	41-4443	1	.080
16.00	48	41-4444	2	.100

W9-1



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

W9-2



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

W9-2

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

W11 - SERIES

W11-2



LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4829	1	.080
9.00	36	41-4830	1	.080

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

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

LEFT LANE

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4721		.080

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

RIGHT LANE

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4722		.080

W13 - SERIES

W13-1P



(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5566		.080
4.00	24X24	41-5567		.080
6.25	30X30	41-5574		.080

W13-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5596	2	.100

W13-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5581	2	.100

W16 - SERIES

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

W16-7PL



(SUBPLATE)
USE 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

W16-7PR



(SUBPLATE)
USE 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

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

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	41-6134		.080

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	4X72	41-5010	1	.080

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	4X48	41-5001	1	.080
2.00	4X72	41-5006	1	.080

NOTES:

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.
5. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS. FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS. SEE STANDARD SHEET TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	6-2018	NEW SHEET ISSUED	TR-GS_02

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: 12/18/2018

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING
APPROVED BY: DATE:

PROJECT TITLE:
PLANTSVILLE SAFETY IMPROVEMENTS

TOWN: SOUTHINGTON

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM (Y)
S&W SERIES TYPICAL SIGN DETAILS

PROJECT NO. L131-0002
DRAWING NO. D-15
SHEET NO. 19

D1 - SERIES

D1-1

51-5202 Variable →

D1-2

51-5203 Variable Variable →

VARIABLE LEGEND & ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	60X12	51-5202	2	.100
10.00	60X24	51-5203	2	.100

D3 - SERIES

D3-1

Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	48X18	51-2004	2	.100
7.50	60X18	51-2001	2	.100
9.00	72X18	51-2002	2	.125
10.50	84X18	51-2003	2	.125

D4 - SERIES

D4-2

PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6006	1	.080
7.50	30X36	51-6007	1	.080
5.00	24X30	51-6033	1	.080
7.50	30X36	51-6034	1	.080
5.00	24X30	51-6044	1	.080
7.50	30X36	51-6045	1	.080

D4-2

EXIT 000 PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2082	3	.125
38.50	84X66	51-2095	3	.125
38.50	84X66	51-2097	3	.125
38.50	84X66	51-2099	3	.125

D5 - SERIES

D5-2b

REST AREA →

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
42.25	78X78	51-6901	2	.125
39.00	72X78	51-6158	2	.125

SERVICE PLAZA →

LEGEND - WHITE
BACKGROUND - BLUE

D7 - SERIES

D-7

51-6802 Variable →

51-6803 Variable Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X12	51-6802	2	.100
8.33	60X24	51-6803	2	.100

D9 - SERIES

D9-2

H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6788	1	.080
2.25	36X9		2	.080
2.25	36X9		2	.080

51-6705 DIESEL →
51-6706 FOOD →
51-6708 GAS →
51-6709 LODGING →

VARIABLE ARROW DIRECTION

51-5405 STATE POLICE →
51-6714 CAMPING →
51-6960 INFO →

VARIABLE ARROW DIRECTION

D10 - SERIES

D10-4

NORTH / 95 / MILE / 000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	18X54	51-5307	1	.080

RECREATIONAL RS- SERIES

RS-054

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080

51-2705

51-2706 L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	51-2705		.080
2.19	21X15	51-2706		.080

E5 - SERIES

E5-1a

EXIT →

FOR USE AT "NO NUMBERED" EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
30.00	72X60	51-6150	2	.125

EXIT ← 00 (51-6124) EXIT 00 → (51-6125)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	78X60		2	.125

EXIT ← 00 B (51-6126) EXIT 00 B → (51-6127)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
45.00	108X60		2	.125

EXIT ← 00 A-B (51-6128) EXIT 00 A-B → (51-6129)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
57.50	138X60		2	.125

I - SERIES

I-3

(Variable) River

VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	18X12	51-2009	1	.080
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

(Town Name) (INCORPORATED OR SETTLED) (DATE) TOWN LINE

VARIABLE: TOWN / CITY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	40X27	51-2020	2	.080

I-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080

PARKING AREA PATROLLED

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	51-5937	2	.080

INCIDENT MANAGEMENT

N 0 .0 | N 0 0 .0 | N 0 0 0 .0

CARDINAL DIRECTION VARIABLE - N, S, E, W

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	12X36	51-5103	1	.080
4.00	12X48	51-5104	1	.080
5.00	12X60	51-5105	1	.080

SYMBOL - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	51-5943	1	.080

51-6504 Variable

51-6505 Variable Variable

TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	51-6504		.080
1.50	18X12	51-6505		.080

M1 - SERIES

M1-1

INTERSTATE CONNECTICUT 00 — 51-6662, 51-6666 VARIABLE: 1 or 2 DIGITS

INTERSTATE CONNECTICUT 000 — 51-6663, 51-6667 VARIABLE: 3 DIGITS

LEGEND - WHITE
BACKGROUND - RED & BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.20	24X24	51-6662	1	.080
3.99	30X24	51-6663	1	.080
7.20	36X36	51-6666	2	.080
8.99	45X36	51-6667	2	.100

M1-4

00 — 51-6615, 51-6635 VARIABLE: 1 or 2 DIGITS

000 — 51-6644, 51-6645 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6615	1	.080
5.00	30X24	51-6644	1	.080
9.00	36X36	51-6635	2	.080
11.25	45X36	51-6645	2	.100

M1-5

00 — 51-6616, 51-6636 VARIABLE: 1 or 2 DIGITS

000 — 51-6647, 51-6646 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6616	1	.080
5.00	30X24	51-6647	1	.080
9.00	36X36	51-6636	2	.080
11.25	45X36	51-6646	2	.100

M2 - SERIES

M2-1

JCT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6640	(1)	.080
2.19	21X15	51-6610	(2)	.080

M3 - SERIES

M3-1

NORTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	36X18	51-6655	(1)	.080
4.50	36X18	51-6625	(2)	.080

M3-4

WEST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	36X18	51-6658	(1)	.080
4.50	36X18	51-6628	(2)	.080

M3-2

EAST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6652	(1)	.080
2.00	24X12	51-6612	(2)	.080
4.50	36X18	51-6656	(1)	.080
4.50	36X18	51-6626	(2)	.080

M3-3

SOUTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6653	(1)	.080
2.00	24X12	51-6613	(2)	.080
4.50	36X18	51-6657	(1)	.080
4.50	36X18	51-6627	(2)	.080

M4 - SERIES

M4-5

TO

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6650	(1)	.080
2.00	24X12	51-6620	(2)	.080

M5 - SERIES

M5-1

51-2690 51-2630 ← | 51-2691 51-2631 →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2690	(1)	.080
2.19	21X15	51-2691	(1)	.080
2.19	21X15	51-2630	(2)	.080
2.19	21X15	51-2631	(2)	.080

M5-2

51-2692 51-2632 ↖ | 51-2693 51-2633 ↗

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2692	(1)	.080
2.19	21X15	51-2693	(1)	.080
2.19	21X15	51-2632	(2)	.080
2.19	21X15	51-2633	(2)	.080

M6 - SERIES

M6-1

→ L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2686	(1)	.080
2.19	21X15	51-2626	(2)	.080

M6-4

↔

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2697	(1)	.080
2.19	21X15	51-2627	(2)	.080

M6-2

51-2688 51-2629 ↖ | 51-2689 51-2628 51-2609 ↗

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2688	(1)	.080
2.19	21X15	51-2689	(1)	.080
2.19	21X15	51-2628	(2)	.080
2.19	21X15	51-2629	(2)	.080
4.38	30X21	51-2609	(2)	.080

M6-3

↑

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2685	(1)	.080
2.19	21X15	51-2625	(2)	.080

NOTES:

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:

D - SERIES
D1, 2, 3, 4, 10 BACKGROUND-GREEN, LEGEND-WHITE
D7, RS BACKGROUND-BROWN, LEGEND-WHITE
D9 BACKGROUND-BLUE, LEGEND-WHITE
ALL OTHER D-SERIES AS NOTED

E - SERIES
BACKGROUND-GREEN, LEGEND-WHITE

I - SERIES
BACKGROUND-GREEN, LEGEND-WHITE
(EXCEPT AS NOTED)

M2 - M6 SERIES
(1) BACKGROUND-BLUE, LEGEND-WHITE
(2) BACKGROUND-WHITE, LEGEND-BLACK

ALL COLORS SHALL BE TYPE IX RETROREFLECTIVE WITH THE EXCEPTION OF BROWN WHICH SHALL BE TYPE IV RETROREFLECTIVE AND BLACK WHICH SHALL BE OPAQUE.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
3	12-2018	REVISED D2, D3, D9, AND I SIGN SERIES.	TR-GS_03
2	7-2018	REVISED BROWN COLOR TO TYPE IV.	TR-GS_03
1	6-2018	NEW SHEET ISSUED	TR-GS_03

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

Plotted Date: 1/16/2019

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

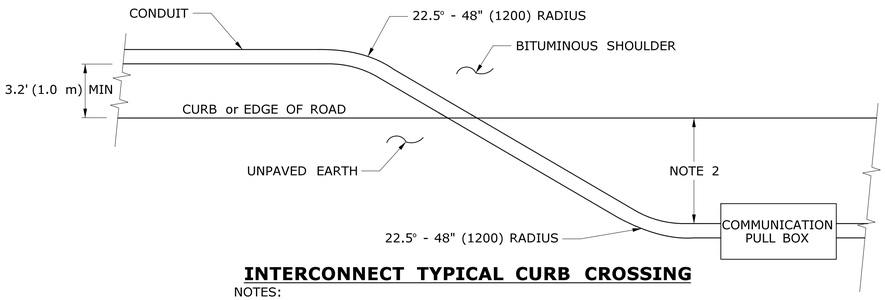
SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING
APPROVED BY: DATE:

PROJECT TITLE:
PLANTSVILLE SAFETY IMPROVEMENTS

TOWN: SOUTHINGTON

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM (Z)
D,RS,E,I,&M SERIES TYPICAL SIGN DETAILS

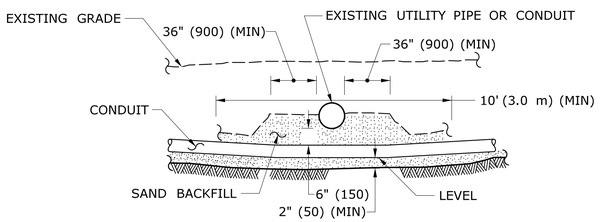
PROJECT NO. L131-0002
DRAWING NO. D-16
SHEET NO. 20



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

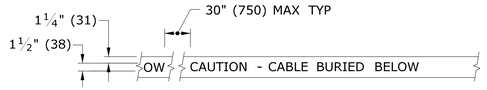
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
2. INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



CROSSING UNDER EXISTING UTILITY

NOTES:

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

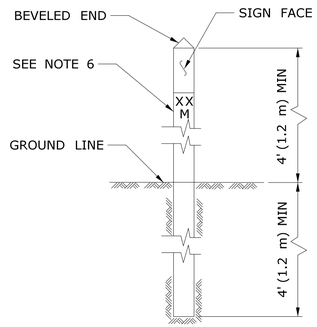


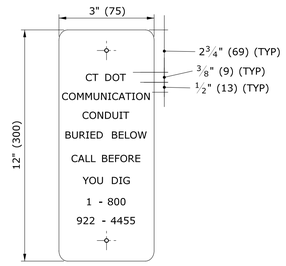
DETECTABLE WARNING TAPE

NOTE:

STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

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





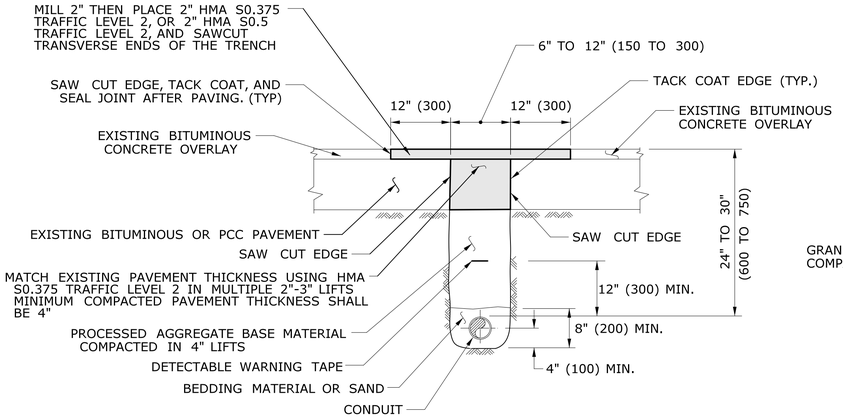
INTERCONNECT CONDUIT IDENTIFICATION POST

SIGN FACE DETAIL

SIGN # 41-4669

NOTES:

1. 4" x 4" (100 x 100) NOMINAL, PRESSURE TREATED WOOD POST.
2. ATTACH SIGN TO POST WITH ¼" x 1¼" (6 x 31) STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE) LEGEND - BLACK (OPAQUE).
4. INSTALL POST APPROX 24" (600) FROM RMC IN VICINITY OF EACH PULL BOX.
5. INSTALL POSTS BETWEEN PULL BOXES, APPROX 10' (3.0 m) OFF CURB. SPACE POSTS 1500'± (460 m±) APART.
6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE TO TRENCH IN FEET (METERS) CONTAINING COMMUNICATION CABLE. ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT. INCLUDE "M" SUFFIX IF METERS.

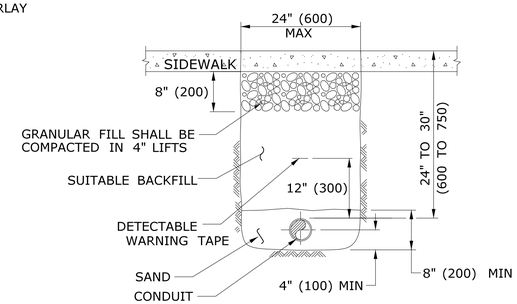


PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

NOTES:

STANDARD SPECIFICATION, ARTICLE 3.04 AND SPECIAL PROVISION, SECTION 4.06.03

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

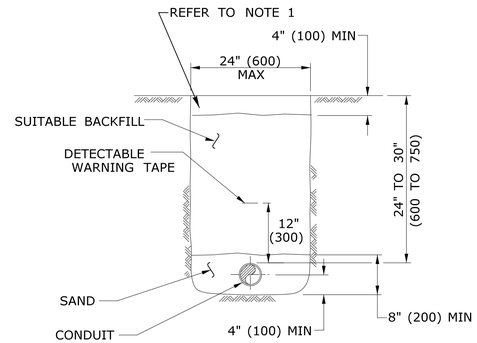


SIDEWALK

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.21 & 9.22

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



EARTH

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.50

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

GENERAL NOTES:

1. TOP OF CONDUIT NO LESS THAN 24" (600) DEEP.
2. COMPACT BACKFILL IN ≤6" (150) LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

—·— RMC (RIGID METAL CONDUIT)

REV.	DATE	REVISION DESCRIPTION
2	4-2019	REVISED FILL & OVERLAY REQUIREMENTS, & MINOR REVISIONS
1	4-2012	REVISED BITUMINOUS CONCRETE TO HMA, & MINOR REVISIONS.

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

Plotted Date: 7/1/2019

DESIGNER/DRAFTER:

CHECKED BY:

NO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: GS_TRENCHING & BACKFILLING.DGN Model: GS_TRENCHING AND BACKFILLING

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY: DATE:

PROJECT TITLE:

PLANTSVILLE SAFETY IMPROVEMENTS

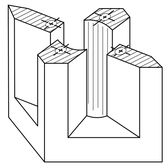
TOWN: SOUTHINGTON

DRAWING TITLE: TRENCHING & BACKFILLING, ELECTRICAL CONDUIT

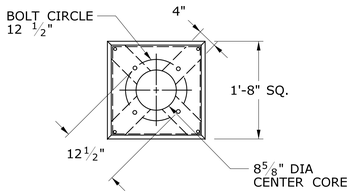
PROJECT NO. L131-0002

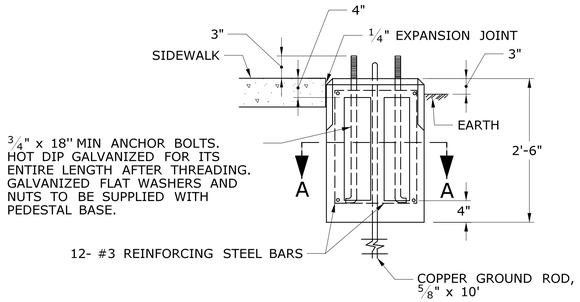
DRAWING NO. D-17

SHEET NO. 21

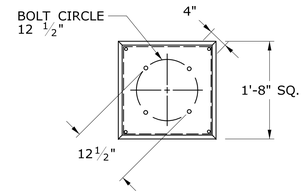


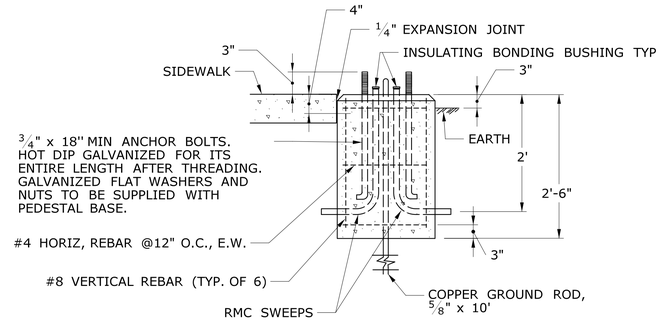
PICTORIAL
SECTION A-A



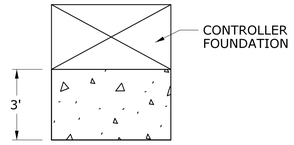


TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST



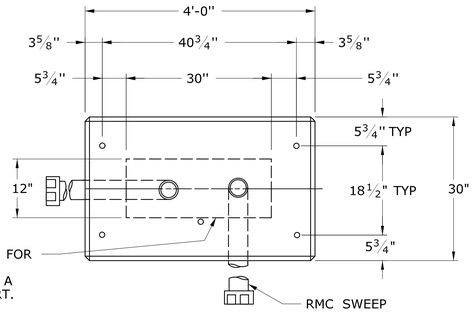


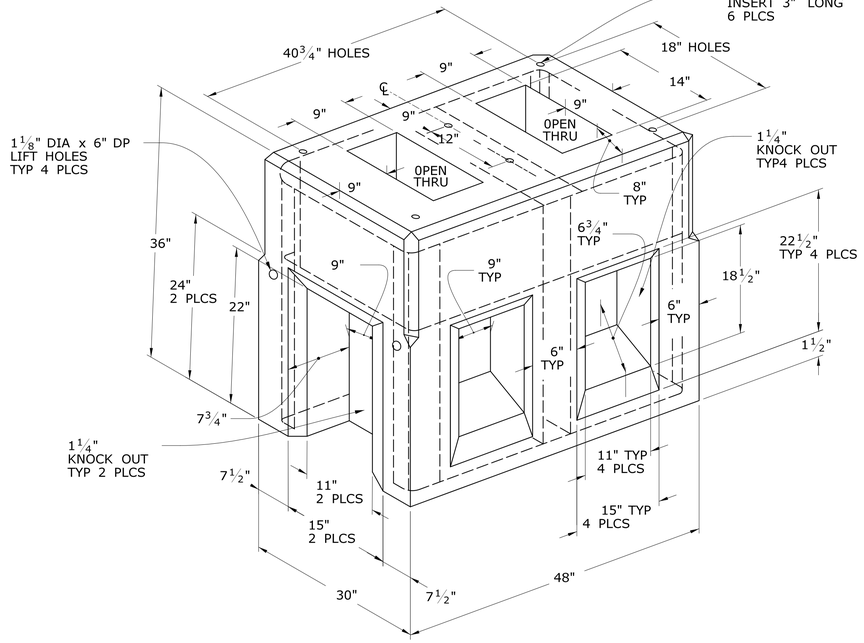
TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - CAST IN PLACE



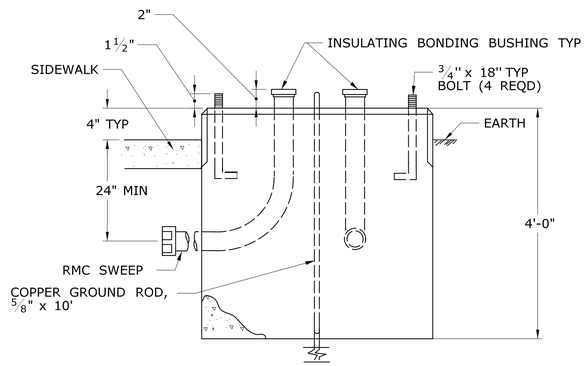
INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET DOOR SIDE OF CONTROLLER FOUNDATION.
PITCH SIDEWALK 1/4" PER FOOT AWAY FROM THE CONTROLLER FOUNDATION.
REFER TO HIGHWAY STANDARD SHEET HW-921_01 FOR SIDEWALK CONSTRUCTION.

TYPICAL CONCRETE SIDEWALK
AT CONTROLLER FOUNDATION





TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - PRECAST



TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - CAST IN PLACE

NOTES:

INSTALL FOUNDATION ON 6" OF COMPACTED GRAVEL IN ACCORDANCE WITH SECTION 2.14.
LEVEL FOUNDATION WITH A PROJECTION OF 4" ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: 5/8" x 10'.
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED. THE OPENINGS SHALL BE CAPPED WITH A 2" GROUT LEVEL WITH THE TOP OF THE FOUNDATION AND NEATLY FINISHED. THE GROUT SHALL CONFORM WITH THE REQUIREMENTS OF ARTICLE M.3.01-12.
CONCRETE: CLASS PCC04461 CONFORMING TO ARTICLE M.03.01.
#4 REBAR 2" MIN COVER AROUND ALL OPENINGS, 3-#4 REBARS IN EACH CORNER.
CONDUITS SHALL NOT PROJECT MORE THAN 2" ABOVE FOUNDATION.

NOTES:

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

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	7-2021	REVISED MINIMUM CONCRETE CLASS.	

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: 7/15/2021

DESIGNER/DRAFTER:
CHECKED BY:
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\GS_1002_01\GS-1002_01.DGN

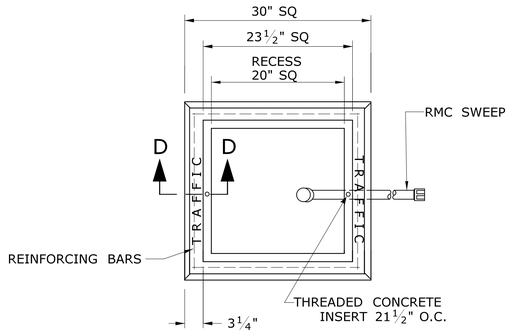
SIGNATURE/
BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
PLANTSVILLE SAFETY
IMPROVEMENTS

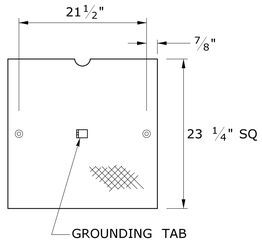
TOWN: SOUTHINGTON

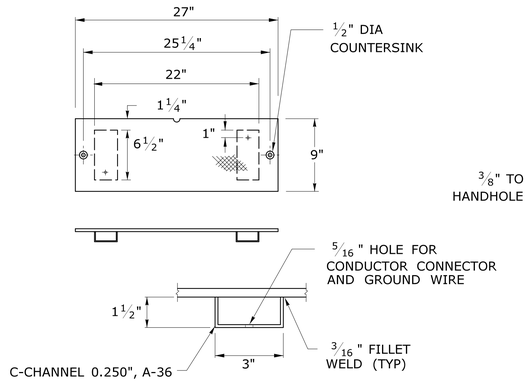
DRAWING TITLE:
TRAFFIC CONTROL FOUNDATIONS

PROJECT NO. L131-0002
DRAWING NO. D-18
SHEET NO. 22

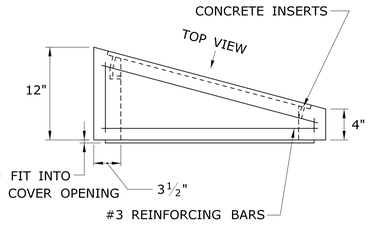


PLAN VIEW





NON SKID FLOOR PLATE
GALVANIZED STEEL, 3/8" (10)



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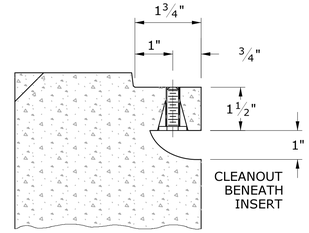
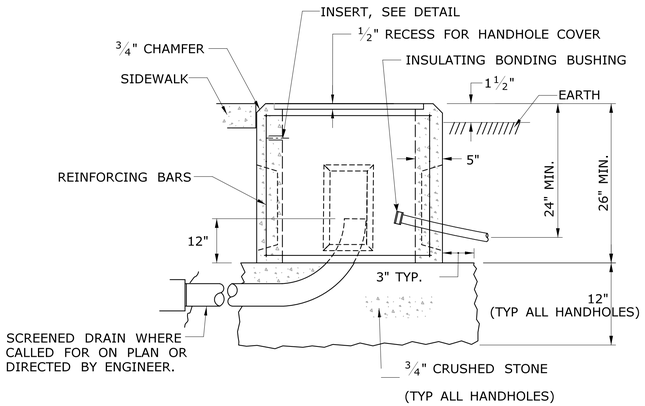
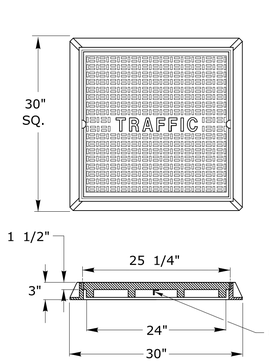
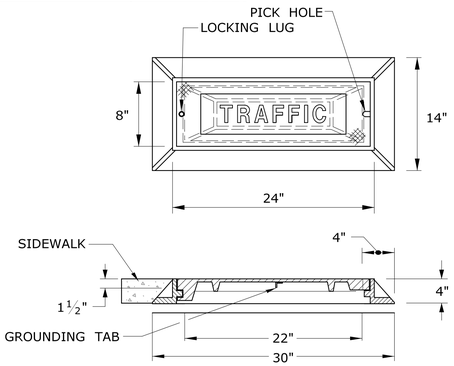


SECTION D-D

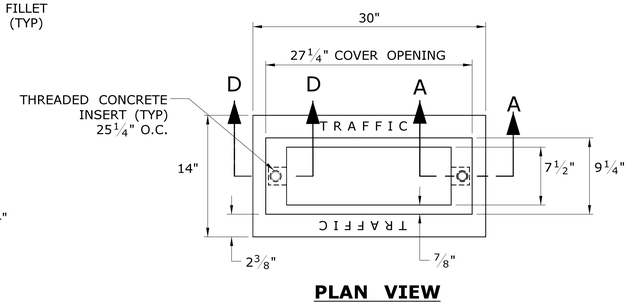


CONCRETE HANDHOLE TYPE I

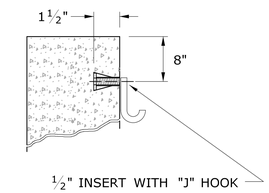




CAST IRON
HANDHOLE COVERS

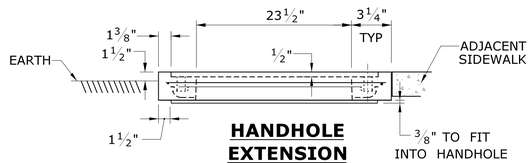


PLAN VIEW

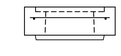


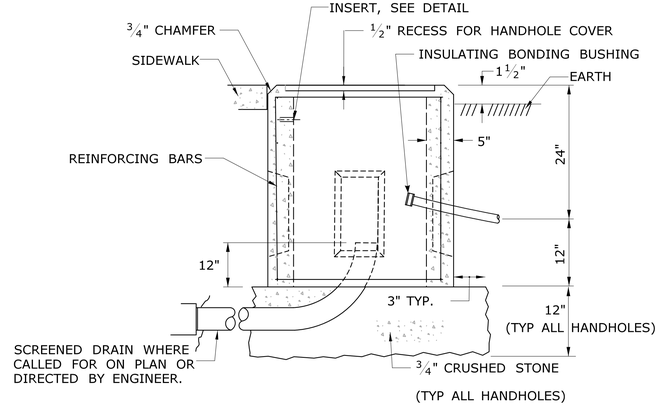
INSERT DETAIL

TYP IN TWO PLACES FOR
ALL HANDHOLES

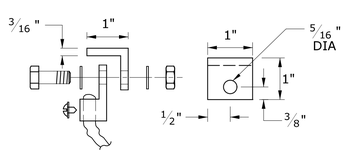


HANDHOLE
EXTENSION

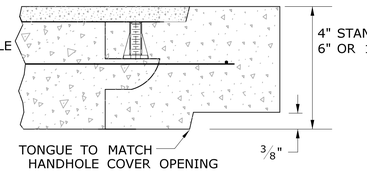




CONCRETE HANDHOLE TYPE I
FOR SPLICING INTERCONNECT

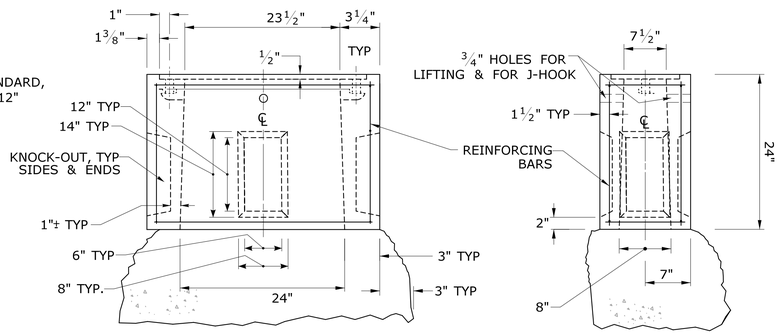


STEEL GROUNDING TAB
w/ CONDUCTOR CONNECTOR



SECTION A-A
HANDHOLE EXTENSIONS

4 - #8 REINFORCING BARS REQ'D



BASE SECTION
CONCRETE HANDHOLE TYPE II

COVER NOTES:

1. GROUNDING TAB WELDED TO BOTTOM CENTER OF COVER WITH 3/16" WELD (3 SIDES).
2. ATTACH 6' LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH CONDUCTOR CONNECTOR, ¼" - 20 X ¾" LG SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.
3. CONDUCTOR CONNECTOR: COPPER ALLOY BODY, BRASS SCREW, BRASS OR COPPER ALLOY PRESSURE PLATE.
4. COVER SCREW INSERT: ⅜"-16, 1½"L, STAINLESS STEEL.
5. COVER SCREW: ⅜"-16, 1"L, FLAT HEAD, SLOTTED, STAINLESS STEEL.

HANDHOLE NOTES:

1. MINIMUM CLASS PCC04461 CONCRETE.
2. COMPLETE TYPE II HANDHOLE:
   IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH 4" HANDHOLE EXTENSION,
   IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH 4" CAST IRON COVER.
3. PLAN VIEW DIMENSIONS, SECTION VIEW, & DETAILS, SAME FOR BASE SECTION, EXTENSIONS & BANK ADAPTER.
4. GROUT AROUND ALL CONDUITS.
5. INSTALL 30" SIDE PARALLEL TO ROAD UNLESS OTHERWISE NOTED.
6. INSTALL HANDHOLES APPROX. 12" BEHIND CURB OR IF NO CURB, 24" BEHIND EDGE OF ROAD UNLESS OTHERWISE SPECIFIED.
7. CAST THE WORD "TRAFFIC" INTO TOP EDGE OF HANDHOLE, 1½" LETTERS.
8. WHERE AN EXISTING CONCRETE SIDEWALK SLAB ABUTTING A HANDHOLE IS DAMAGED OR CUT DURING INSTALLATION, REPLACE THE ENTIRE SIDEWALK SECTION.
9. 12-#3 REINFORCING BARS REQUIRED FOR ALL HANDHOLES. (8 HORIZONTAL, 4 VERTICAL)

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- ☐ PROPOSED HANDHOLE
- ■ EXISTING HANDHOLE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	7-2021	REVISED MINIMUM CONCRETE CLASS.	

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Plotted Date: 7/15/2021

DESIGNER/DRAFTER:

CHECKED BY:

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\GS_1010_01\GS-1010_01.DGN

SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

PLANTSVILLE SAFETY
IMPROVEMENTS

TOWN: SOUTHINGTON

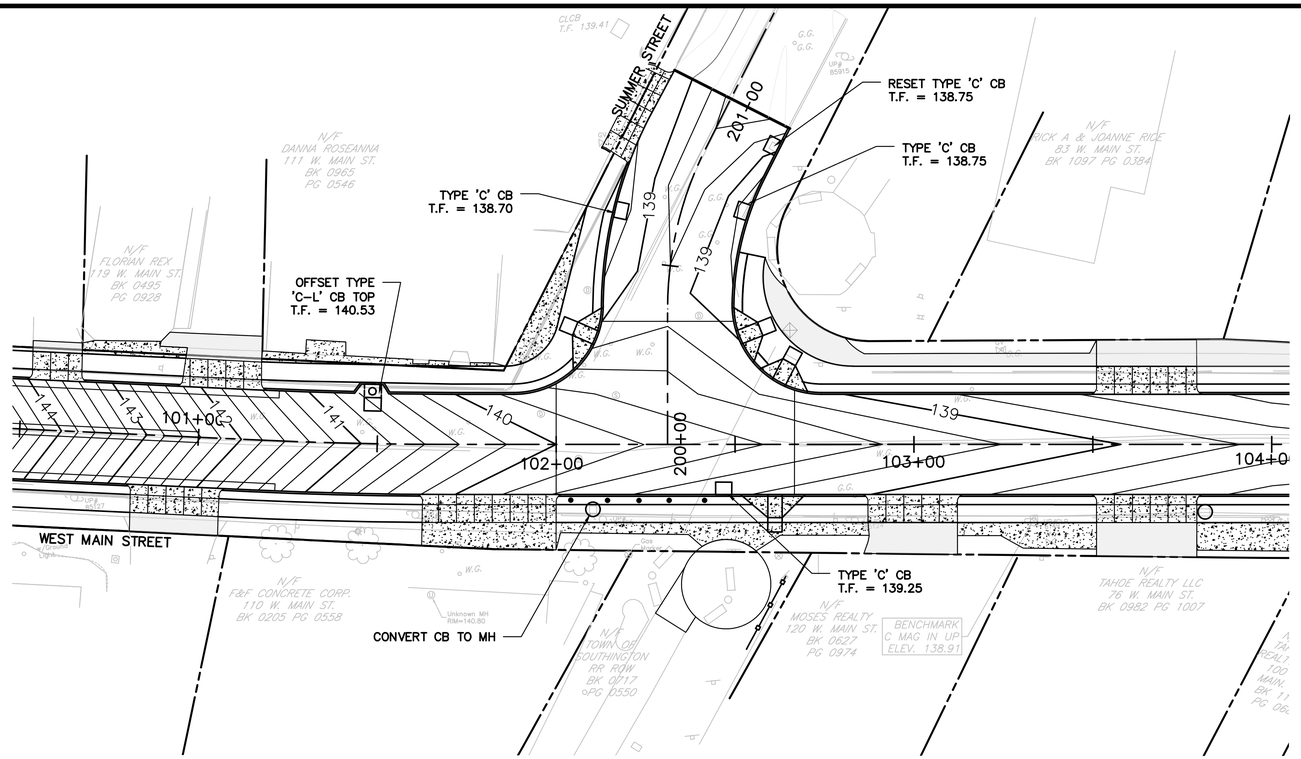
DRAWING TITLE:

CONCRETE HANDHOLE

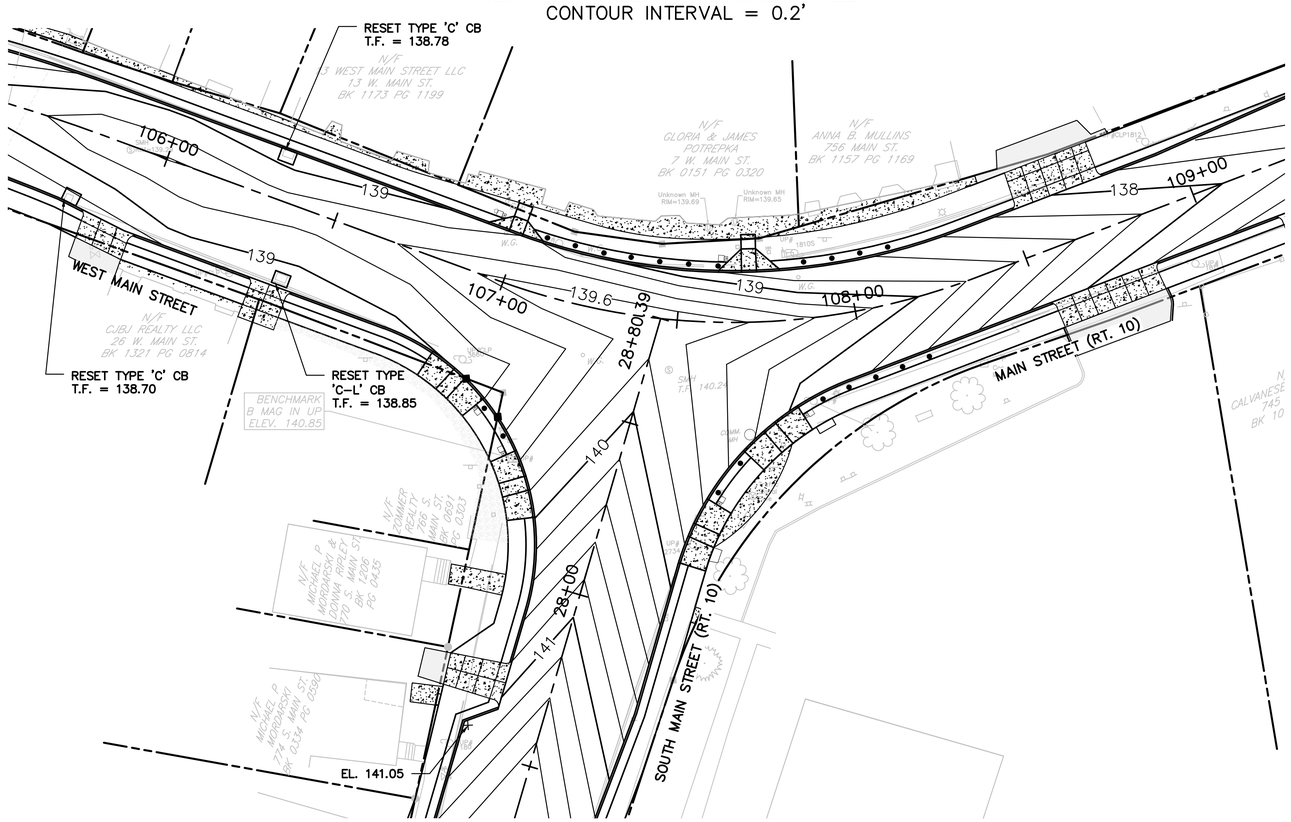
PROJECT NO. L131-0002

DRAWING NO. D-19

SHEET NO. 23



WEST MAIN STREET AT SUMMER STREET
CONTOUR INTERVAL = 0.2'



WEST MAIN STREET AND MAIN STREET AT SOUTH MAIN STREET
CONTOUR INTERVAL = 0.2'

PLAN
SCALE: 1"=20'
0 20' 40' 60'

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860.513.1473
800.SAMPSON
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No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P	R	O	V	E	D	DATE

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

INTERSECTION GRADING PLAN

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		21806677	NSD	LAS	ALN	ALN

CADD NO.

IGP-1

FILE NO.

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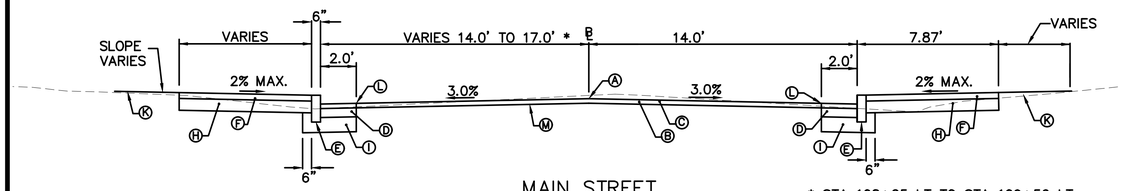
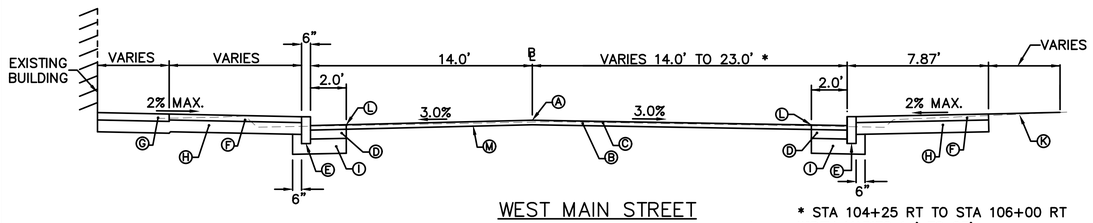


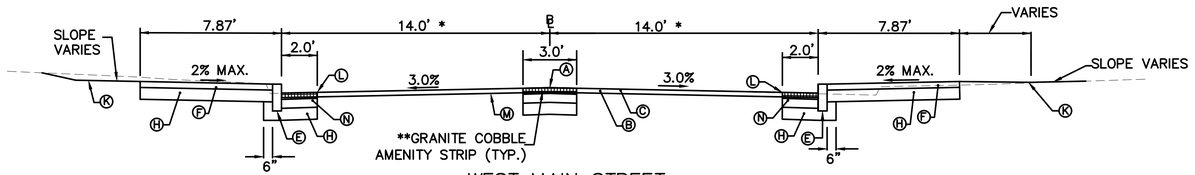
MAIN STREET
STA 108+25 TO 111+58.70
NOT TO SCALE

* STA 108+25 LT TO STA 109+56 LT
WIDTH VARIES 14' TO 17'
STA 109+56 LT TO STA 111+59 LT
WIDTH IS 17'



WEST MAIN STREET
STA 104+11.5 TO 108+25 +/-
NOT TO SCALE

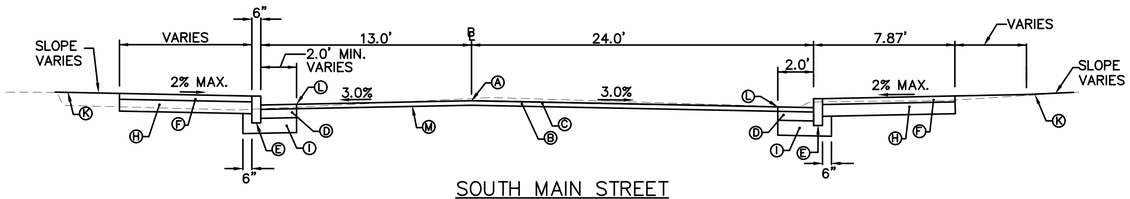
* STA 104+25 RT TO STA 106+00 RT
WIDTH VARIES 14' TO 23'



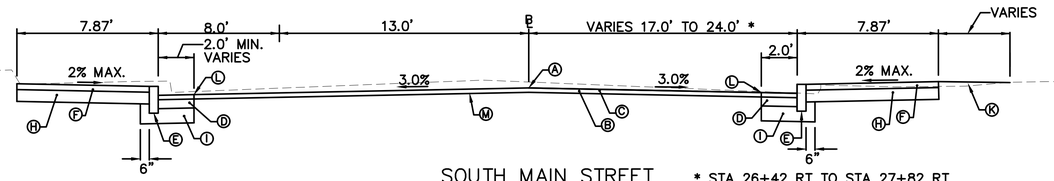
WEST MAIN STREET
STA 98+77 TO 104+11.5
NOT TO SCALE

* STA 98+77 TO STA 99+25
WIDTH VARIES FROM EXISTING TO 14'

** GRANITE COBBLE AMENITY STRIP
RANGES FROM STA 99+00 TO STA 101+00

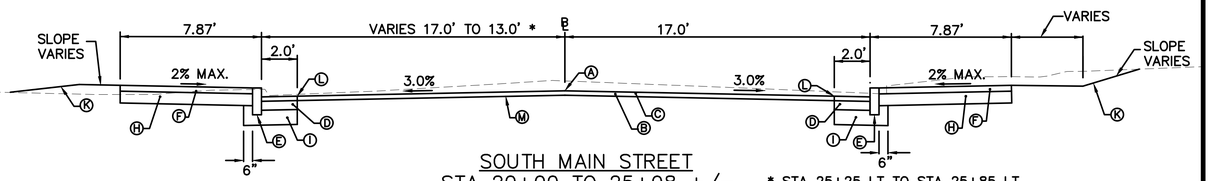


SOUTH MAIN STREET
STA 27+65 TO 28+00 +/-
NOT TO SCALE



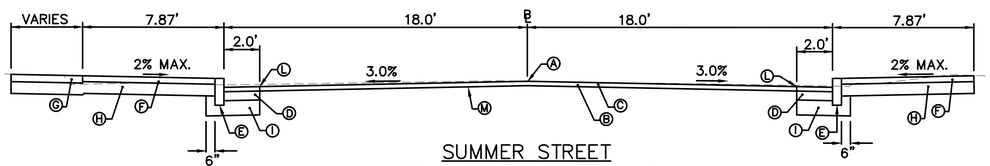
SOUTH MAIN STREET
STA 25+98 TO 27+65
NOT TO SCALE

* STA 26+42 RT TO STA 27+82 RT
WIDTH VARIES 17' TO 24'



SOUTH MAIN STREET
STA 20+00 TO 25+98 +/-
NOT TO SCALE

* STA 25+25 LT TO STA 25+85 LT
WIDTH VARIES 17' TO 13'



SUMMER STREET
STA 200+40 TO 201+00
NOT TO SCALE

LEGEND

- (A) POINT OF APPLICATION OF GRADE
- (B) MILL 0"-6" OF EXISTING BITUMINOUS PAVEMENT
- (C) 3" HMA S0.5
- (D) 6" HMA S1.0
- (E) 6" x 18" GRANITE STONE CURBING
- (F) 2-3/8" CONCRETE PAVERS WITH 1" SAND SETTING BED
- (G) 5" CONCRETE
- (H) 8" PROCESSED AGGREGATE BASE
- (I) 10" SUBBASE
- (J) EXISTING PAVEMENT / GROUND
- (K) 4" TOPSOIL W/ TURF ESTABLISHMENT
- (L) SAW CUT
- (M) MATERIAL FOR TACK COAT
- (N) 6" CONCRETE BASE

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REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

TYPICAL ROADWAY SECTIONS

DR.BY	CHK.BY	APP.BY
NSD	ALN	ALN

JOB NO.	DSN.BY
2180677	LAS

SCALE:	CONTRACT:
AS SHOWN	

CADD NO.	FILE NO.

TYP-1

\\wse03.local\WSE\Projects\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\Plantsville COV. GEN. TYP.dwg

SCHEDULE OF RIGHTS AND EASEMENTS	
(A)	RIGHT TO GRADE ACQUIRED
(B)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY ACQUIRED
(C)	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
(D)	DEFINED SIDEWALK EASEMENT AND EASEMENT TO CONSTRUCT AND MAINTAIN SIDEWALK ACQUIRED
(E)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK ACQUIRED

BEGIN PROJECT
BEGIN MILL AND OVERLAY MATCH EXISTING PAVEMENT
STATION 98+96.34
N 774931.85
E 960729.82

PVI STA: 99+21.00
PVI ELEV: 149.97
K: 54.96
LVC: 30.00

CURVE # 1
R=1200.00
L=55.82
Tan=27.92
Δ=2°39'55"

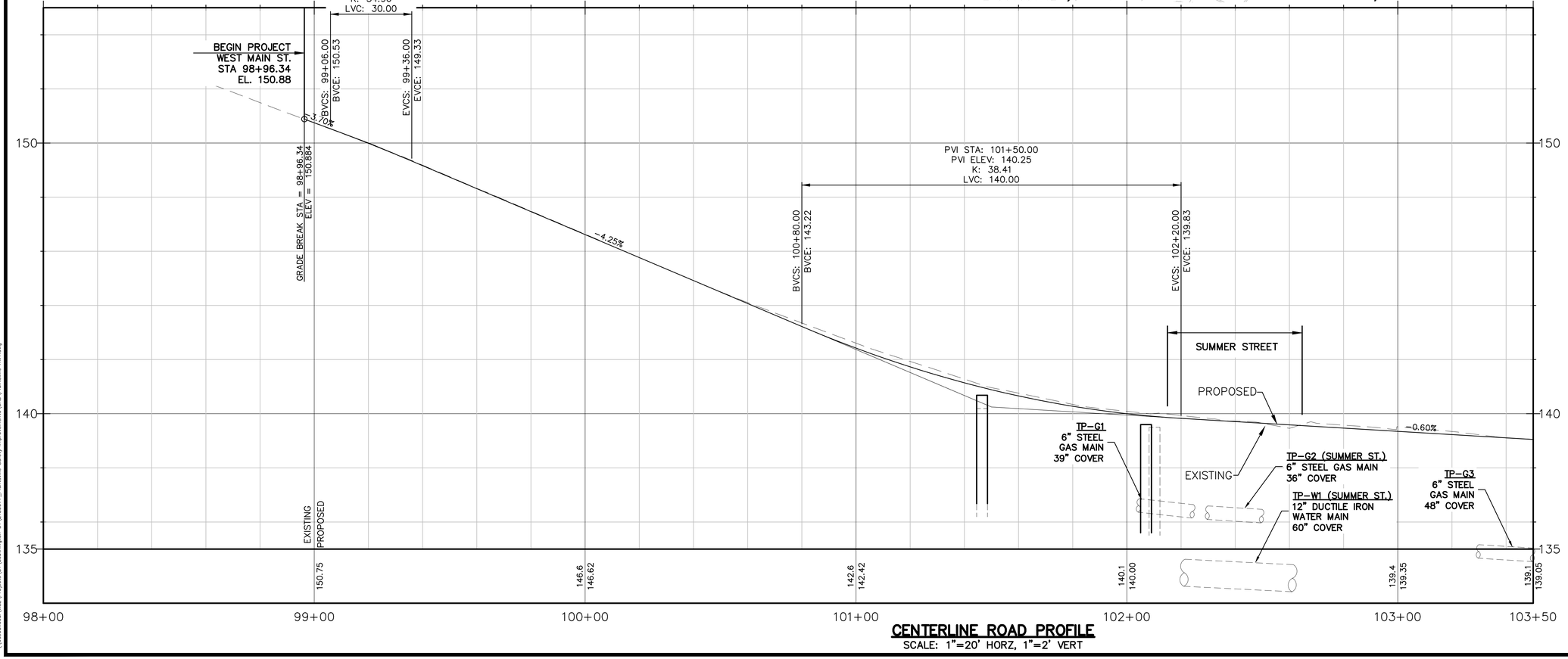
CURVE # 5
R=100.00
L=37.27
Tan=23.82
Δ=26°47'36"

LIMIT OF WORK/MATCH EXISTING STA. 201+00
PT = 200+84.62
LIMIT OF SIDEWALK STA. 200+70.25
4 LF 24" RCP
TYPE 'C' CB
STA. 200+62 T.F.=138.70
MAINT. EXIST. INV.
4 LF 24" RCP
RESET STORM MANHOLE (TYP.) (B)(E)
SIDEWALK RAMP TYPE 8
RESET SANITARY MH (TYP)
RESET WATERGATE (BY OTHERS)
RESET EXISTING HYDRANT
ADJUST GATE BOX (GAS) (BY OTHERS) (TYP)
RESET TYPE 'C' C.B.
4 LF 24" RCP
TYPE 'C' C.B.
STA: 200+71
T.F.=138.75
MAINT. EXIST. INV.
4 LF 24" RCP
PC = 200+37.85
LIMIT OF SIDEWALK STA. 200+57.53
SIDEWALK RAMP TYPE 8
GRANITE CURB BTWN RAMPS (4" REVEAL)
SIDEWALK RAMP TYPE 8
REMOVE BRICK PAVERS & GRANITE BORDER (PAID UNDER EARTH EX.)
BIT. CONC. SIDEWALK
MATCHLINE A–A (SEE DWG HWY–2)
OFFSET TYPE 'C–L' C.B. TOP STA: 101+48.54 T.F.=140.53
RESET WATERGATE (TYP)
ORNAMENTAL LIGHT (TYP.)
LIMIT OF SIDEWALK AND CURB REPLACEMENT
LIMITS OF MILLING AND OVERLAY
GRANITE COBBLE AMENITY STRIP
CONC WALK
APPROX SLOPE LIMITS (TYP)
SEDIMENTATION CONTROL SYSTEM (TYP.)
RESET STORM MANHOLE
APPROX. R.O.W.
WEST MAIN STREET 238.00'
S81°25'16"E
S32°42'47"W 201.00'
S55°54'49"W 37.85'
S84°05'11"E 251.30'
SUMMER STREET
25'R
SAWCUT EX. DRIVEWAY (TYP.)
BIT. CONC. DRIVEWAY (TYP.) (U.N.O.)
GRANITE CURB (6" REVEAL) (TYP.) (U.N.O)
RELOCATE UP #85128 INSTALL SIDEWALK GUY (BY OTHERS)
CONC. DRIVEWAY RAMP (TYP.)
CONC. PAVER WALK (TYP.)
RELOCATE UP #85127 W/LUMINAIRE (BY OTHERS)
REMOVE EXISTING CONC. WALK (TYP.)
PC = 101+14.98
PT = 101+70.80
RESET EXISTING HYDRANT
RELOCATE UP #85126 (BY OTHERS)
BOLLARD (TYP)
CONVERT CB TO MANHOLE T.F.=140.05
INV. 12"(E)=136.80
33 LF 12" RCP
RELOCATE UP #85125
INSTALL SIDEWALK GUY (BY OTHERS)
WEST MAIN STREET STA 102+31.16
= SUMMER STREET STA 200+00.00
N 774885.96
E 961061.42
BIT. CONC. WALK
SEE SPM–1 FOR INTERSECTION TREATMENT
RELOCATE UP #85124 W/LUMINAIRE (BY OTHERS)
RELOCATE UP #6149 (BY OTHERS)
SPLIT RAIL FENCE
SIDEWALK RAMP TYPE 8
RELOCATE EXISTING SIGN
TYPE 'C' CB
STA: 102+47 T.F.=139.25
INV. 12"(W)=136.97
RELOCATE EXISTING PAVERS

N/F INNOVATIVE RENTAL PROPERTIES 131 W. MAIN ST. BK 0937 PG 0598 (A)(B)(C)(E)
N/F DANNA ROSEANNA 111 W. MAIN ST. BK 0965 PG 0546 (B)(E)
N/F FLORIAN REX 119 W. MAIN ST. BK 0495 PG 0928 (B)(E)
N/F F&F CONCRETE CORP. 110 W. MAIN ST. BK 0205 PG 0558 (B)(C)
N/F TOWN OF SOUTHINGTON 128 W. MAIN ST. BK 0187 PG 0733 (A)(B)(C)
N/F TOWN OF SOUTHINGTON RR ROW BK 0717 PG 0550 (C)(E)
N/F MOSES REALTY 120 W. MAIN ST. BK 0627 PG 0974 (B)
N/F RICK A. & JOANNE RICE 83 W. MAIN ST. BK 1097 PG 0384 (B)

FIRE HOUSE
C MAG IN UP ELEV. 138.91

PLAN
SCALE: 1"=20'
0 20' 40' 60'



CENTERLINE ROAD PROFILE
SCALE: 1"=20' HORZ, 1"=2' VERT

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		A	P	P	R O V E D	

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

PLAN AND PROFILE
WEST MAIN STREET STA 98+77 TO 103+50

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

HWY-1

FILE NO.

SHEET 26 OF 62

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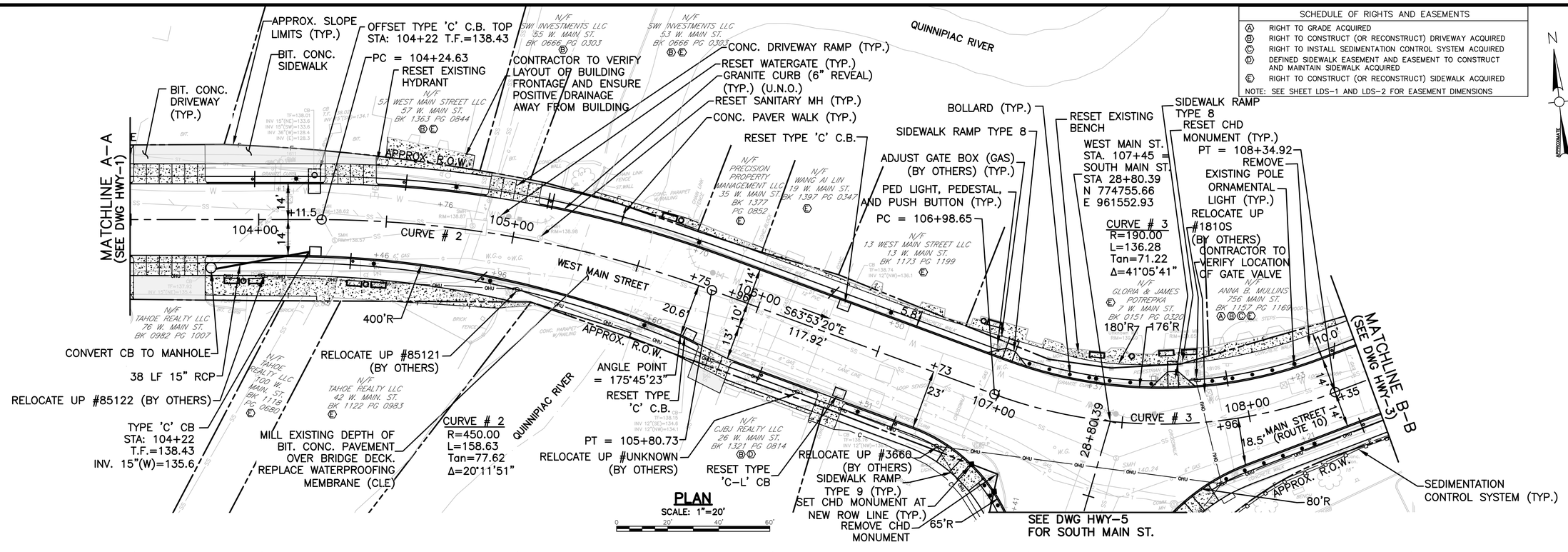
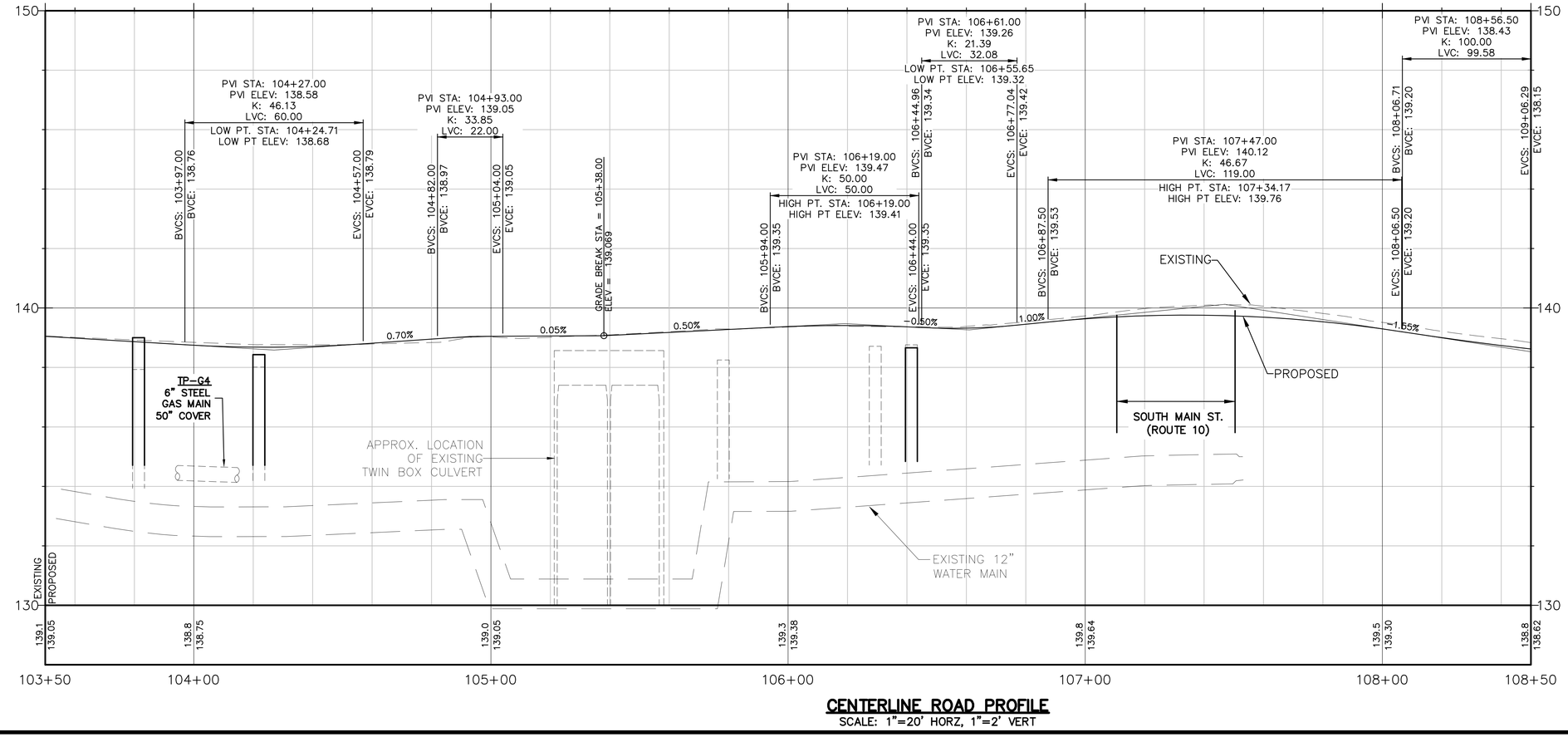
SCHEDULE OF RIGHTS AND EASEMENTS
(A) RIGHT TO GRADE ACQUIRED
(B) RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY ACQUIRED
(C) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
(D) DEFINED SIDEWALK EASEMENT AND EASEMENT TO CONSTRUCT AND MAINTAIN SIDEWALK ACQUIRED
(E) RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK ACQUIRED

NOTE: SEE SHEET LDS-1 AND LDS-2 FOR EASEMENT DIMENSIONS





CENTERLINE ROAD PROFILE
SCALE: 1"=20' HORZ, 1"=2' VERT

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A	P	P	R	O	V	E	D	

REGISTERED PROFESSIONAL ENGINEER

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

PLAN AND PROFILE
WEST MAIN STREET STA 103+50 TO 108+50

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO.

FILE NO. HWY-2

SHEET 27 OF 62

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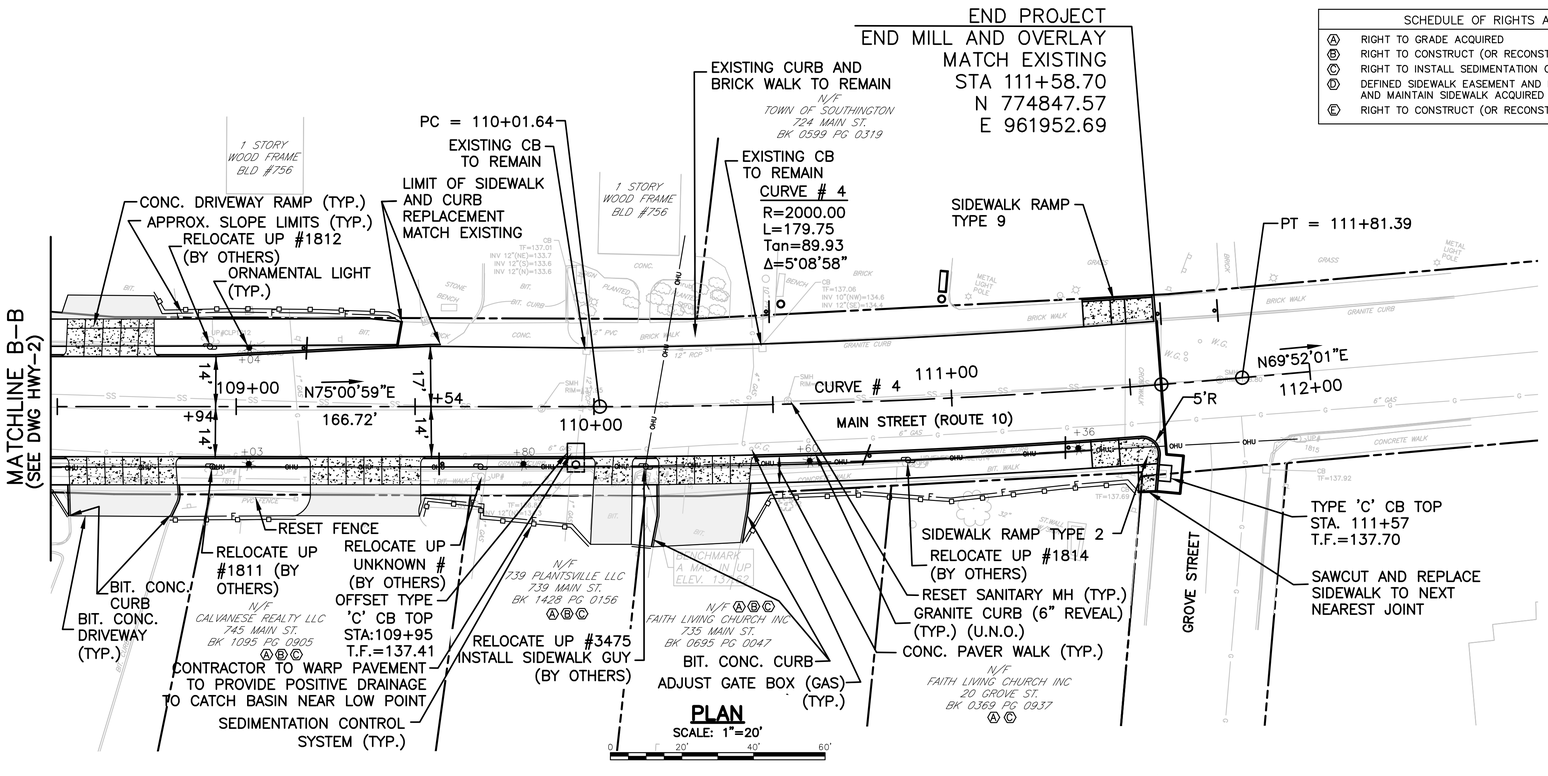
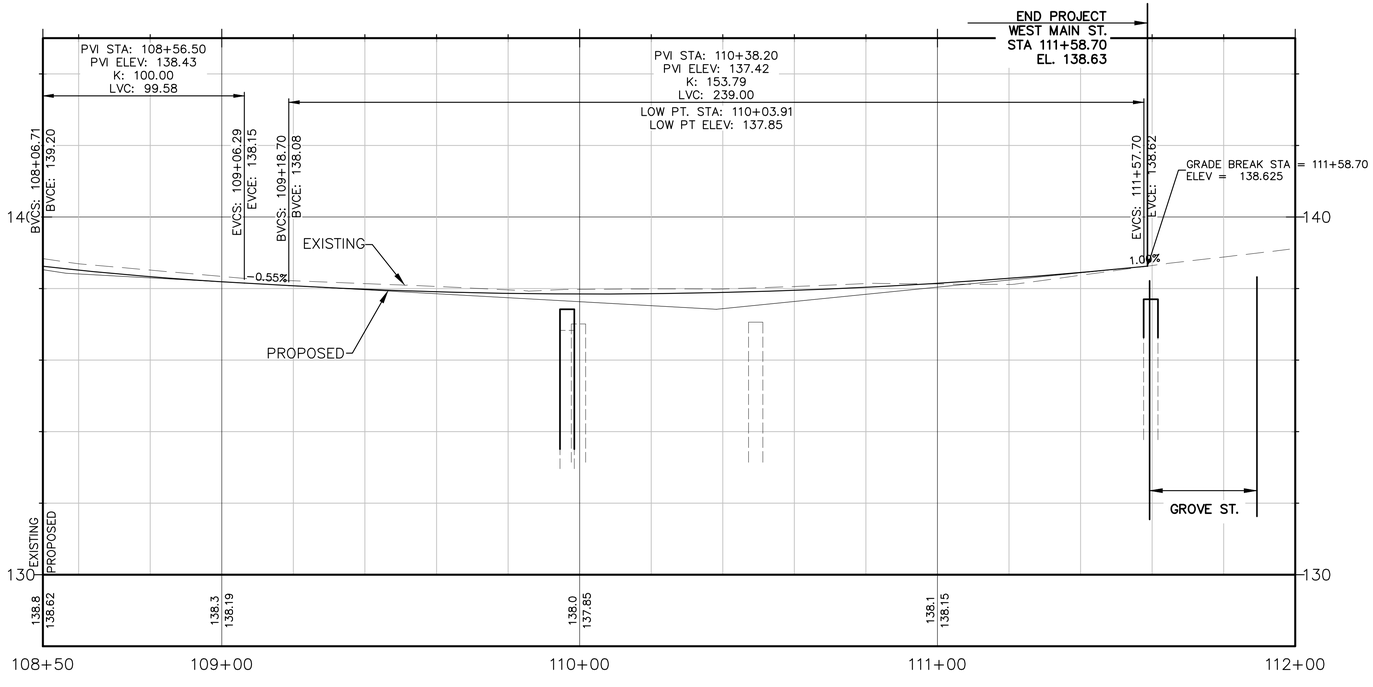
SCHEDULE OF RIGHTS AND EASEMENTS	
(A)	RIGHT TO GRADE ACQUIRED
(B)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY ACQUIRED
(C)	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
(D)	DEFINED SIDEWALK EASEMENT AND EASEMENT TO CONSTRUCT AND MAINTAIN SIDEWALK ACQUIRED
(E)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK ACQUIRED





CENTERLINE ROAD PROFILE
SCALE: 1"=20' HORZ, 1"=2' VERT

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		A	P	P	R O V E D	

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131–0002

PLAN AND PROFILE
MAIN STREET STA 108+50 TO 111+59.50

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO. HWY-3

SHEET 28 OF 62

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SCHEDULE OF RIGHTS AND EASEMENTS	
(A)	RIGHT TO GRADE ACQUIRED
(B)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY ACQUIRED
(C)	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
(D)	DEFINED SIDEWALK EASEMENT AND EASEMENT TO CONSTRUCT AND MAINTAIN SIDEWALK ACQUIRED
(E)	RIGHT TO CONSTRUCT (OR RECONSTRUCT) SIDEWALK ACQUIRED

NOTE: SEE SHEET LDS-1 AND LDS-2 FOR EASEMENT DIMENSIONS

END PROJECT
END MILL AND OVERLAY
MATCH EXISTING
STA 20+00.00
N 773948.23
E 961202.22

APPROX. R.O.W.

LIMIT OF SIDEWALK AND CURB REPLACEMENT MATCH EXISTING

RELOCATE UP #1801 (BY OTHERS)
BEGIN GRANITE CURB (4" REVEAL)
CONC. DRIVEWAY RAMP (TYP.)

BENCHMARK
D MAG IN UP
ELEV. 149.53

N/F PERGJONI FAMILY JEWELERS
848 S. MAIN ST.
BK 1213 PG 0315

N/F PERGJONI FAMILY JEWELERS
840 S. MAIN ST.
BK 1062 PG 0879
(A)(C)(D)

N/F 834 SOUTH MAIN ST. LLC
834 S. MAIN ST.
BK 1418 PG 0627
(A)(C)(E)

CONC. PAVER WALK (TYP.)
RESET EXISTING HYDRANT

QUINNIPIAC RIVER

N/F 824 SOUTH MAIN STREET BUILDING LLC
824 S. MAIN ST.
BK 1141 PG 0452
(A)(B)(C)

RESET WATERGATE (TYP.)
RELOCATE UP UNKNOWN # W/ GUY (BY OTHERS)
RELOCATE UTILITY CABINET (BY OTHERS)
ANGLE POINT STA. 23+00.00

N/F VOLPE & SONS MOBIL INC
806 S. MAIN ST.
BK 0423 PG 0420
(A)(B)(C)

ORNAMENTAL LIGHT (TYP.)
RELOCATE UP #803WR INSTALL SIDEWALK GUY (BY OTHERS)

GAS STATION FUEL ISLAND

SOUTH MAIN STREET (ROUTE 10)

20+00
21+00
22+00
23+00
24+00

N24°22'37"E 50.00'
N23°45'25"E 250.00'
N24°01'54"E 342.67'
179°22'48"
179°43'31"

17'

MATCHLINE C-C (SEE DWG HWY-5)

ANGLE POINT STA. 20+50.00
LIMIT OF SIDEWALK AND CURB REPLACEMENT MATCH EXISTING
APPROX. SLOPE LIMITS (TYP.)
RESET SANITARY MH (TYP.)
BIT. CONC. DRIVEWAY (TYP.)
REMOVE EX. CONC. SIDEWALK (TYP.)
BIT. CONC. WALK
GRANITE CURB (6" REVEAL) (TYP.) (U.N.O.)
CONC. WALK (TYP.)
SEDIMENTATION CONTROL SYSTEM (TYP.)
RESET MH (TELEPHONE) (BY OTHERS)

N/F CROMWELL LEASING COMPANY INC.
847 S. MAIN ST.
BK 0183 PG 0259
(A)(E)

N/F DM INTERESTS LLC
831 S. MAIN ST.
BK 1340 PG 0776
(A)(B)(E)

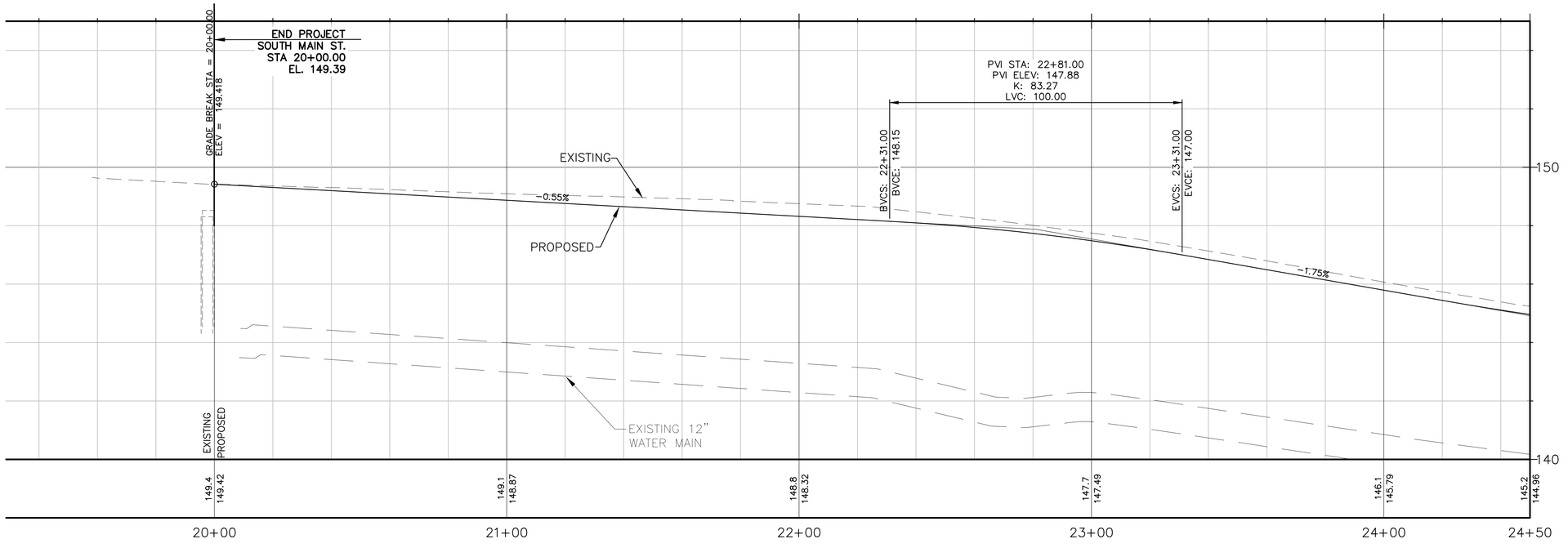
N/F PETER MANIWARE
825 S. MAIN ST.
BK 0751 PG 0493
(A)(B)(E)

N/F DENNIS HAYES
819 S. MAIN. ST.
BK 1028 PG 0649
(A)(B)(E)

N/F HEIDI & JOHN STRILLACCI
817 S. MAIN ST.
BK 1170 PG 1198
(A)(B)

N/F RICHARD KENEFICK
799 S. MAIN ST.
BK 0780 PG 0472
(A)(B)(C)(E)

PLAN
SCALE: 1"=20'
0 20' 40' 60'



CENTERLINE ROAD PROFILE
SCALE: 1"=20' HORZ, 1"=2' VERT

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A	P	P R O V E D			

REGISTERED PROFESSIONAL ENGINEER
DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

PLAN AND PROFILE
SOUTH MAIN STREET STA 20+00 TO 24+50

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

HWY-4

FILE NO.

SHEET 29 OF 62

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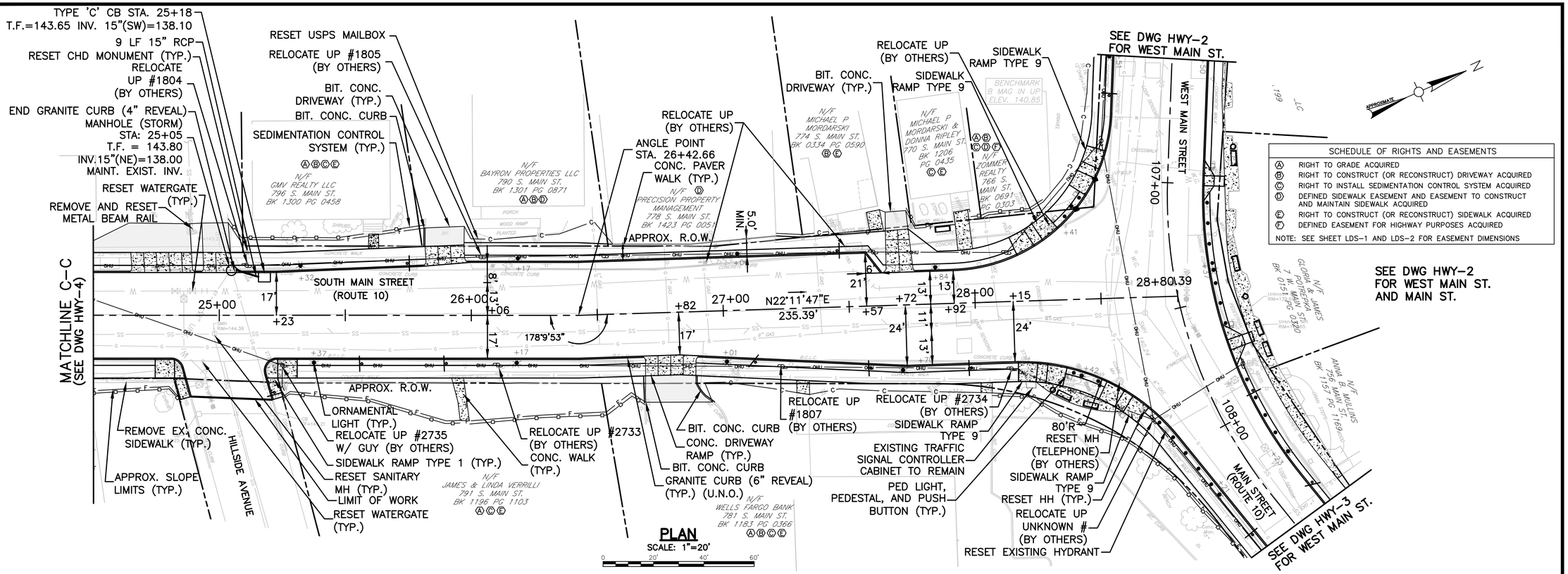

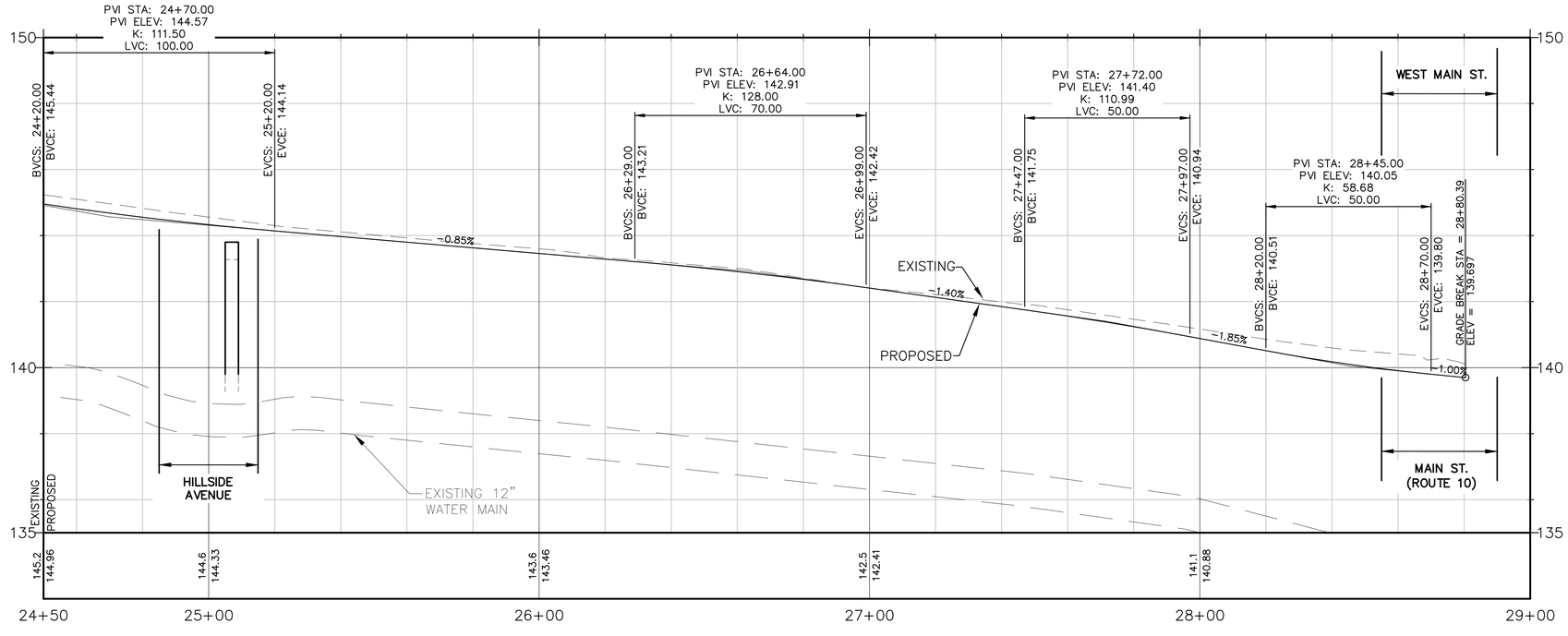

CENTERLINE ROAD PROFILE
SCALE: 1"=20' HORZ, 1"=2' VERT

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No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P R O V E D			

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

PLAN AND PROFILE
SOUTH MAIN STREET STA 24+50 TO 28+78.05

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO. HWY-5

SHEET 30 OF 62

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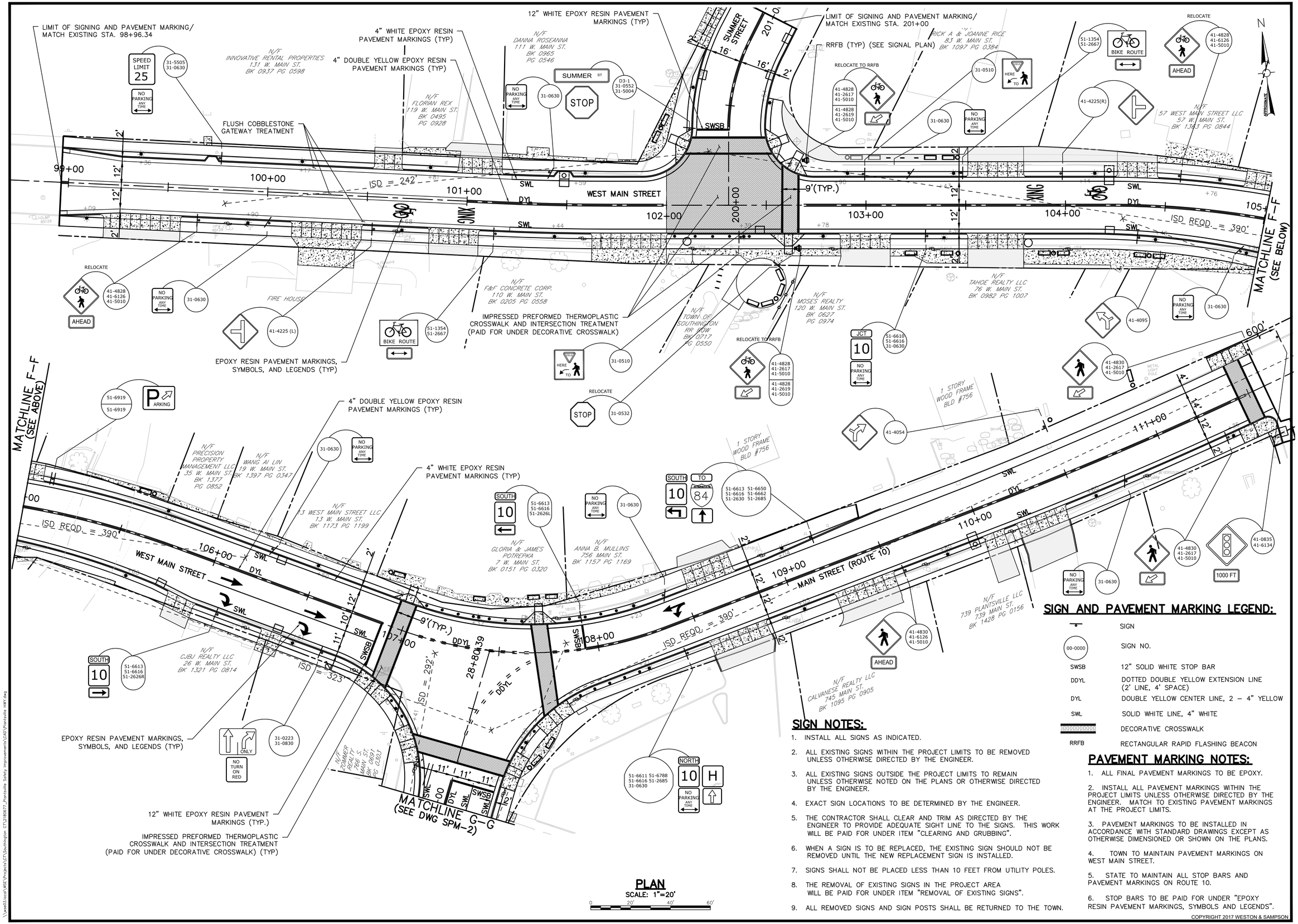

PLAN
SCALE: 1"=20'

0 20' 40' 60'

SIGN AND PAVEMENT MARKING LEGEND:

	SIGN
00-0000	SIGN NO.
SWSB	12" SOLID WHITE STOP BAR
DDYL	DOTTED DOUBLE YELLOW EXTENSION LINE (2' LINE, 4' SPACE)
DYL	DOUBLE YELLOW CENTER LINE, 2 – 4" YELLOW
SWL	SOLID WHITE LINE, 4" WHITE
	DECORATIVE CROSSWALK
RRFB	RECTANGULAR RAPID FLASHING BEACON

SIGN NOTES:

1. INSTALL ALL SIGNS AS INDICATED.
2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS TO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL EXISTING SIGNS OUTSIDE THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
4. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CLEAR AND TRIM AS DIRECTED BY THE ENGINEER TO PROVIDE ADEQUATE SIGHT LINE TO THE SIGNS. THIS WORK WILL BE PAID FOR UNDER ITEM "CLEARING AND GRUBBING".
6. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHOULD NOT BE REMOVED UNTIL THE NEW REPLACEMENT SIGN IS INSTALLED.
7. SIGNS SHALL NOT BE PLACED LESS THAN 10 FEET FROM UTILITY POLES.
8. THE REMOVAL OF EXISTING SIGNS IN THE PROJECT AREA WILL BE PAID FOR UNDER ITEM "REMOVAL OF EXISTING SIGNS".
9. ALL REMOVED SIGNS AND SIGN POSTS SHALL BE RETURNED TO THE TOWN.

PAVEMENT MARKING NOTES:

1. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
2. INSTALL ALL PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
3. PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS EXCEPT AS OTHERWISE DIMENSIONED OR SHOWN ON THE PLANS.
4. TOWN TO MAINTAIN PAVEMENT MARKINGS ON WEST MAIN STREET.
5. STATE TO MAINTAIN ALL STOP BARS AND PAVEMENT MARKINGS ON ROUTE 10.
6. STOP BARS TO BE PAID FOR UNDER "EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS".

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No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P R O V E D			

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

SIGNING AND PAVEMENT MARKING PLAN WEST MAIN STREET & MAIN STREET (ROUTE 10)

DR.BY	DSN.BY	CHK.BY	APP.BY
NSD	LAS	ALN	ALN

JOB NO. 2180677
CONTRACT:
SCALE: AS SHOWN
CADD NO.
FILE NO.

SPM-1

SHEET 31 OF 62

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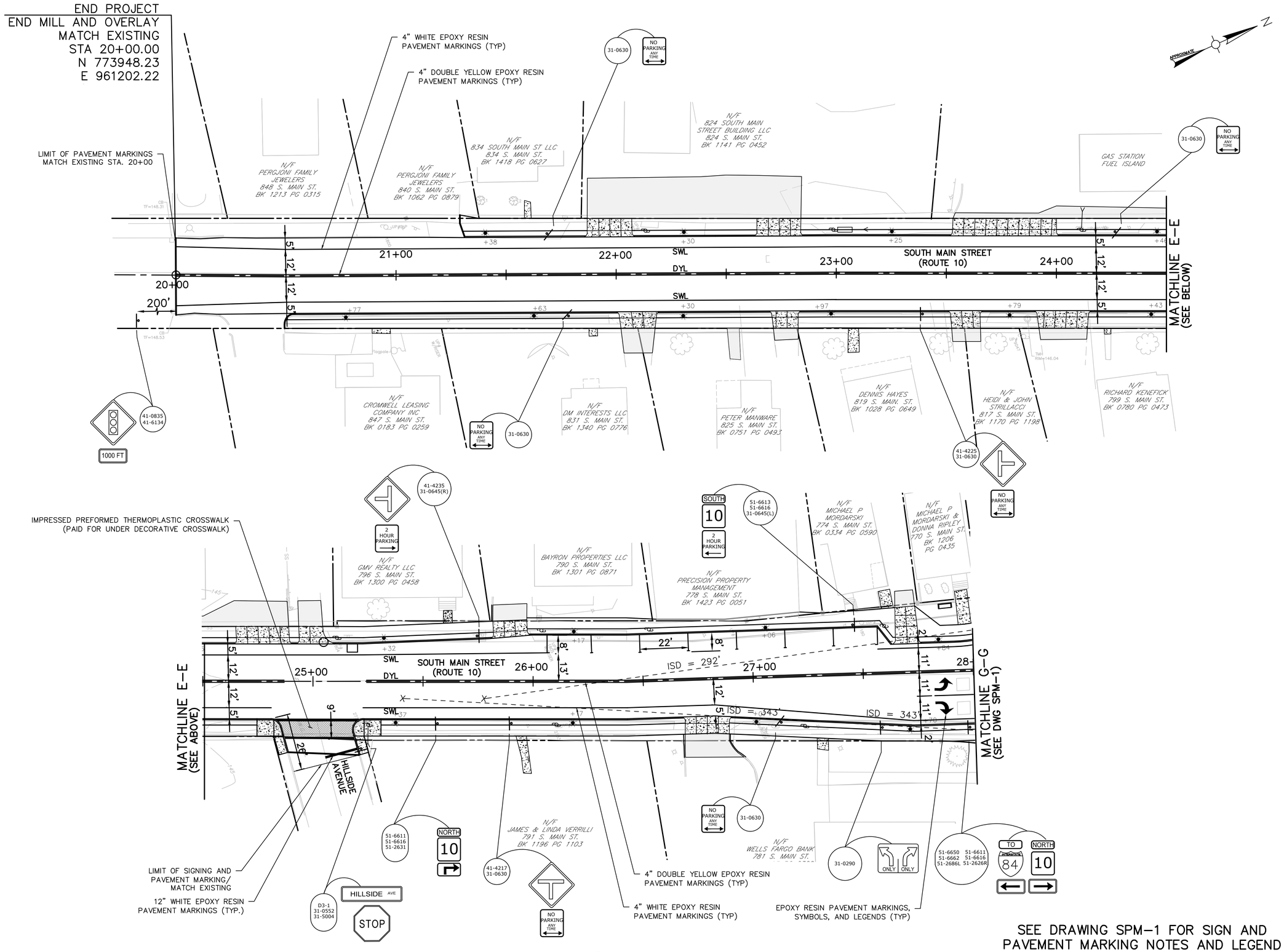

SEE DRAWING SPM-1 FOR SIGN AND PAVEMENT MARKING NOTES AND LEGEND

PLAN
SCALE: 1"=20'

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

SIGNING AND PAVEMENT MARKINGS PLAN SOUTH MAIN STREET

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO. SPM-2

LIMIT OF LANDSCAPE AND ILLUMINATION PLAN STA. 98+97

14' ORNAMENTAL LIGHTPOLE (TYP.)

FLUSH, GRANITE COBBLESTONE GATEWAY TREATMENT (TYP.)

APPROX. R.O.W.

APPROX. R.O.W.

CONCRETE PAVERS, MILLSTONE, BEACON HILL BLEND OR APPROVED EQUAL (TYP.)

CONC. DRIVEWAY

TOPSOIL AND TURF ESTABLISHMENT (TYP.) (U.N.O.)

IMPRESSED PREFORMED THERMOPLASTIC CROSSWALK (TYP.)

IMPRESSED PREFORMED THERMOPLASTIC INTERSECTION TREATMENT

ORNAMENTAL LIGHT BOLLARD (TYP.) 10' O.C. 1.5' OFF BACK OF CURB

MULCH (TYP.)

LIMIT OF LANDSCAPE AND ILLUMINATION PLAN STA. 201+00

EXISTING BENCHES TO REMAIN (2)

ORNAMENTAL LIGHT (TYP.). 80' O.C. 1.5' OFF BACK OF CURB

POTENTIAL LOCATION FOR INFORMATIONAL KIOSK (FUTURE).

BIT. CONC. SIDEWALK (TYP.)

BIKE RACKS (TYP.)

6' BENCH (TYP.)

BIT. CONC. DRIVEWAY (TYP.)

CONC. DRIVEWAY APRON (TYP.)

RELOCATED TRAIL HEAD TRASH CAN (TYP.)

RELOCATE EXISTING BENCHES ON SOUTHERN TRAIL HEAD (4) (PAID FOR UNDER CLEARING AND GRUBBING)

2.4' WIDE CONCRETE PAVER SOLDIER COURSE, SEE DETAIL (TYP.)

CONC. SIDEWALK (TYP.)

MATCHLINE F-F (SEE BELOW)

MATCHLINE F-F (SEE ABOVE)

RESET EXISTING BENCH (TO BE PAID FOR UNDER CLEARING AND GRUBBING)

CONCRETE PAVERS, MILLSTONE, BEACON HILL BLEND OR APPROVED EQUAL (TYP.)

2.4' WIDE CONCRETE PAVER SOLDIER COURSE, SEE DETAIL (TYP.)

RESET EXISTING BENCH (TO BE PAID FOR UNDER CLEARING AND GRUBBING)

CONC. DRIVEWAY

GRAVEL

ORNAMENTAL LIGHT BOLLARD (TYP.). 10' O.C. 1.5' OFF BACK OF CURB

RESET EXISTING BENCH (TO BE PAID FOR UNDER CLEARING AND GRUBBING)

CONCRETE SIDEWALK (TYP.)

14' ORNAMENTAL LIGHTPOLE (TYP.)

BIT. CONC. DRIVEWAY (TYP.)

CONC. DRIVEWAY APRON (TYP.)

ORNAMENTAL LIGHT (TYP.). 80' O.C. 1.5' OFF BACK OF CURB

IMPRESSED PREFORMED THERMOPLASTIC CROSSWALK (TYP.)

TOPSOIL AND TURF ESTABLISHMENT (TYP.) (U.N.O.)

6' BENCH (TYP.)

RELOCATE EXISTING BENCH (TO BE PAID FOR UNDER CLEARING AND GRUBBING)

TRASH CAN (TYP.)

LIMIT OF LANDSCAPE AND ILLUMINATION PLAN STA. 111+59.50

MATCHLINE G-G (SEE DWG LDS-2)

WEST MAIN STREET

MAIN STREET (ROUTE 10)

SOUTH MAIN STREET (ROUTE 10)

SUMMER STREET

99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 200+00 201+00 28+00 28+80.39

N/F INNOVATIVE RENTAL PROPERTIES 131 W. MAIN ST. BK 0937 PG 0598

N/F DANNA ROSEANNA 111 W. MAIN ST. BK 0965 PG 0546

N/F FLORIAN REX 119 W. MAIN ST. BK 0495 PG 0928

N/F 'E' RICE 83 W. MAIN ST. BK 1097 PG 0384

N/F 57 WEST MAIN STREET LLC 57 W. MAIN ST. BK 1363 PG 0844

N/F F&F CONCRETE CORP. 110 W. MAIN ST. BK 0205 PG 0558

N/F TOWN OF SOUTHINGTON RR ROW BK 0717 PG 0550

N/F MOSES REALTY 120 W. MAIN ST. BK 0627 PG 0974

N/F TAHOE REALTY LLC 76 W. MAIN ST. BK 0982 PG 1007

N/F TAHOE REALTY LLC 100 W. MAIN ST. BK 1118 PG

N/F PRECISION PROPERTY MANAGEMENT LLC 35 W. MAIN ST. BK 1377 PG 0852

N/F WANG AI LIN 19 W. MAIN ST. BK 1397 PG 0347

N/F 13 WEST MAIN STREET LLC 13 W. MAIN ST. BK 1173 PG 1199

N/F GLORIA & JAMES POTREPKA 7 W. MAIN ST. BK 0151 PG 0320

N/F ANNA B. MULLINS 756 MAIN ST. BK 1157 PG 1169

N/F CJBJ REALTY LLC 26 W. MAIN ST. BK 1321 PG 0814

N/F ZOMMER REALTY 786 S. MAIN ST. BK 0691 PG 0003

N/F MICHAEL P. MONDARSKI & DONNA RIPLEY 770 S. MAIN ST. BK 1206 PG 0435

N/F CALVANESE REALTY LLC 745 MAIN ST. BK 1095 PG 0905

N/F 739 PLANTSVILLE LLC 739 MAIN ST. BK 1428 PG 0156

N/F FAITH LIVING CHURCH INC 735 MAIN ST. BK 0695 PG 0047

N/F FAITH LIVING CHURCH INC 20 GROVE ST. BK 0369 PG 0937

1 STORY WOOD FRAME BLD #756

FIRE HOUSE

PLAN
SCALE: 1"=20'
0 20' 40' 60'

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

LANDSCAPE PLAN
WEST MAIN STREET & MAIN STREET (ROUTE 10)

CADD NO.	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	SCALE: AS SHOWN	2180677	NSD	LAS	ALN	ALN

LDS-1

FILE NO.

SHEET 33 OF 62

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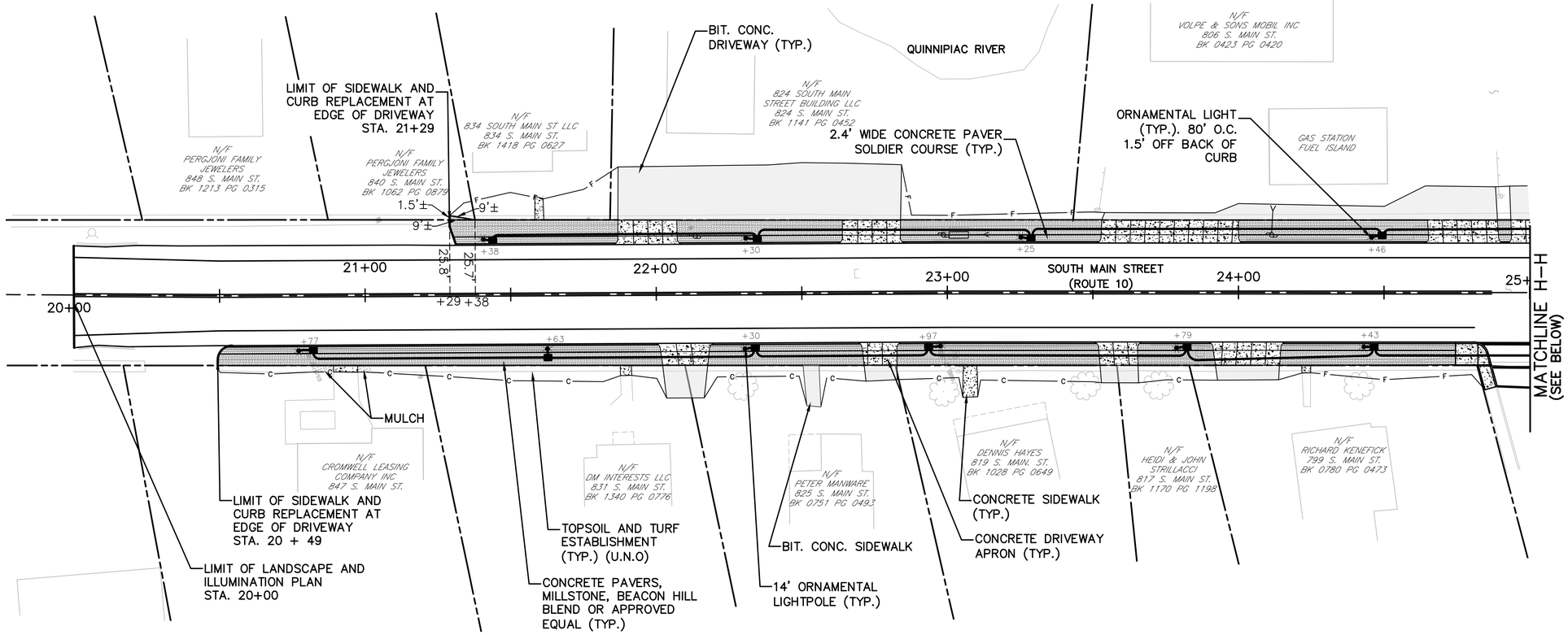

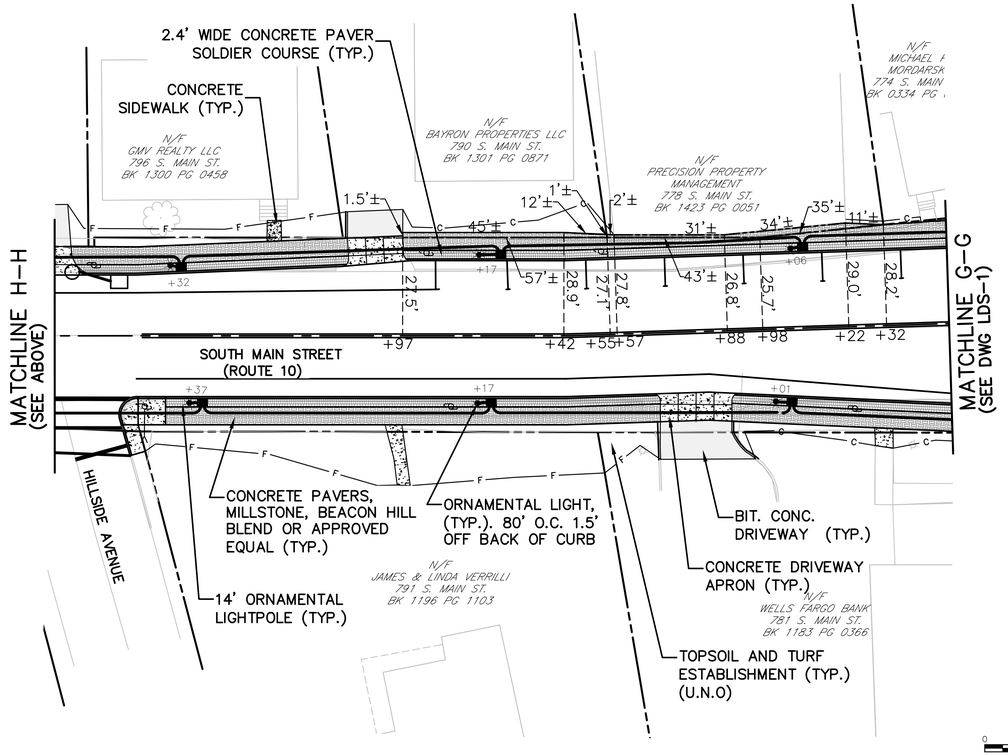

PLAN
SCALE: 1"=20'
0 20' 40' 60'

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

LANDSCAPE PLAN SOUTH MAIN STREET

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		21806677	NSD	LAS	ALN	ALN

LDS-2

FILE NO.

SHEET 34 OF 62

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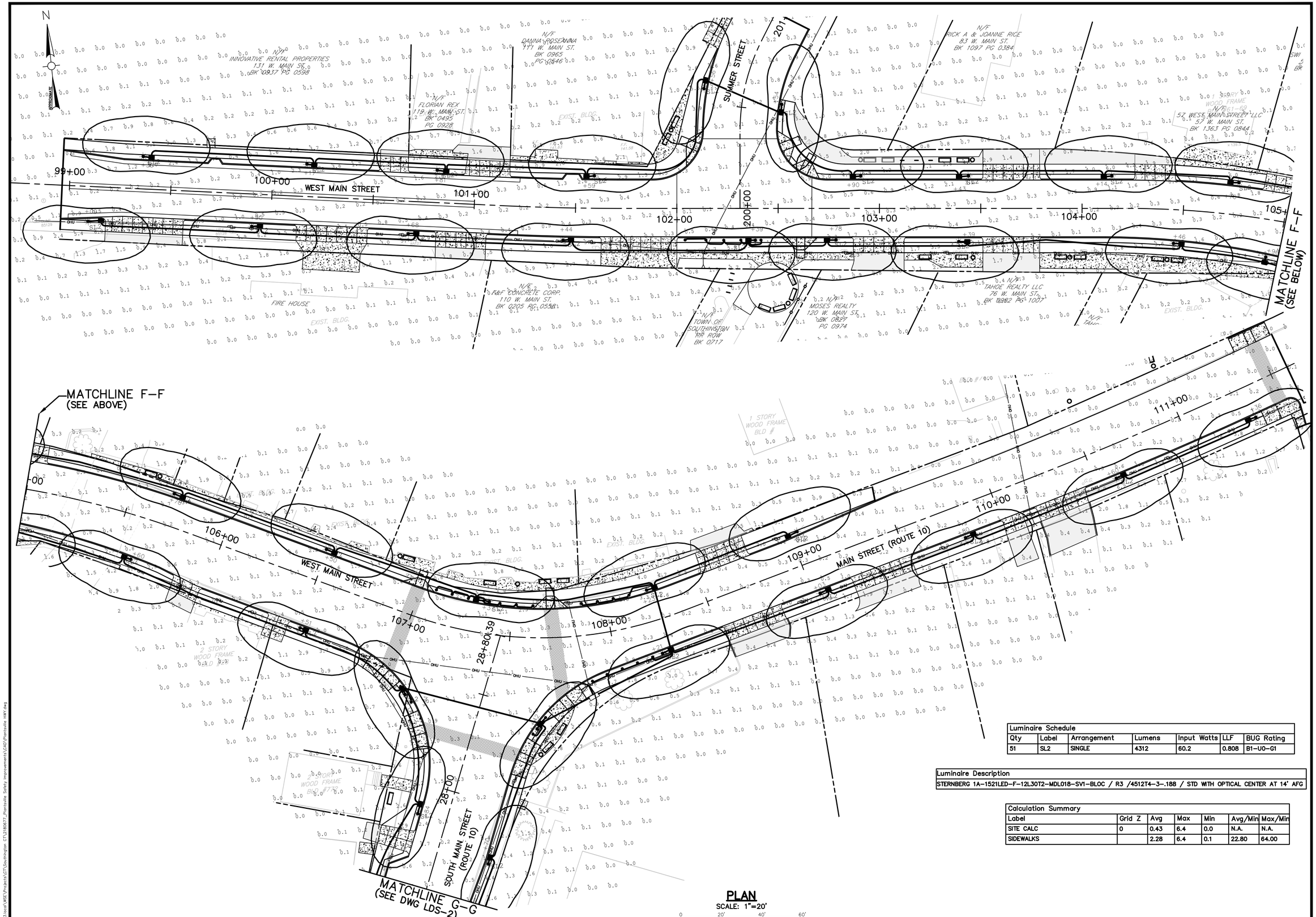

PLAN
SCALE: 1"=20'
0 20' 40' 60'

Luminaire Schedule						
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating
51	SL2	SINGLE	4312	60.2	0.808	B1–U0–G1

Luminaire Description
STERNBERG 1A–1521LED–F–12L30T2–MDL018–SV1–BLOC / R3 /4512T4–3–.188 / STD WITH OPTICAL CENTER AT 14' AFG

Calculation Summary						
Label	Grid Z	Avg	Max	Min	Avg/Min	Max/Min
SITE CALC	0	0.43	6.4	0.0	N.A.	N.A.
SIDEWALKS		2.28	6.4	0.1	22.80	64.00

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131–0002

PHOTOMETRIC PLAN
WEST MAIN STREET & MAIN STREET (ROUTE 10)

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO.

LDS-3

FILE NO.

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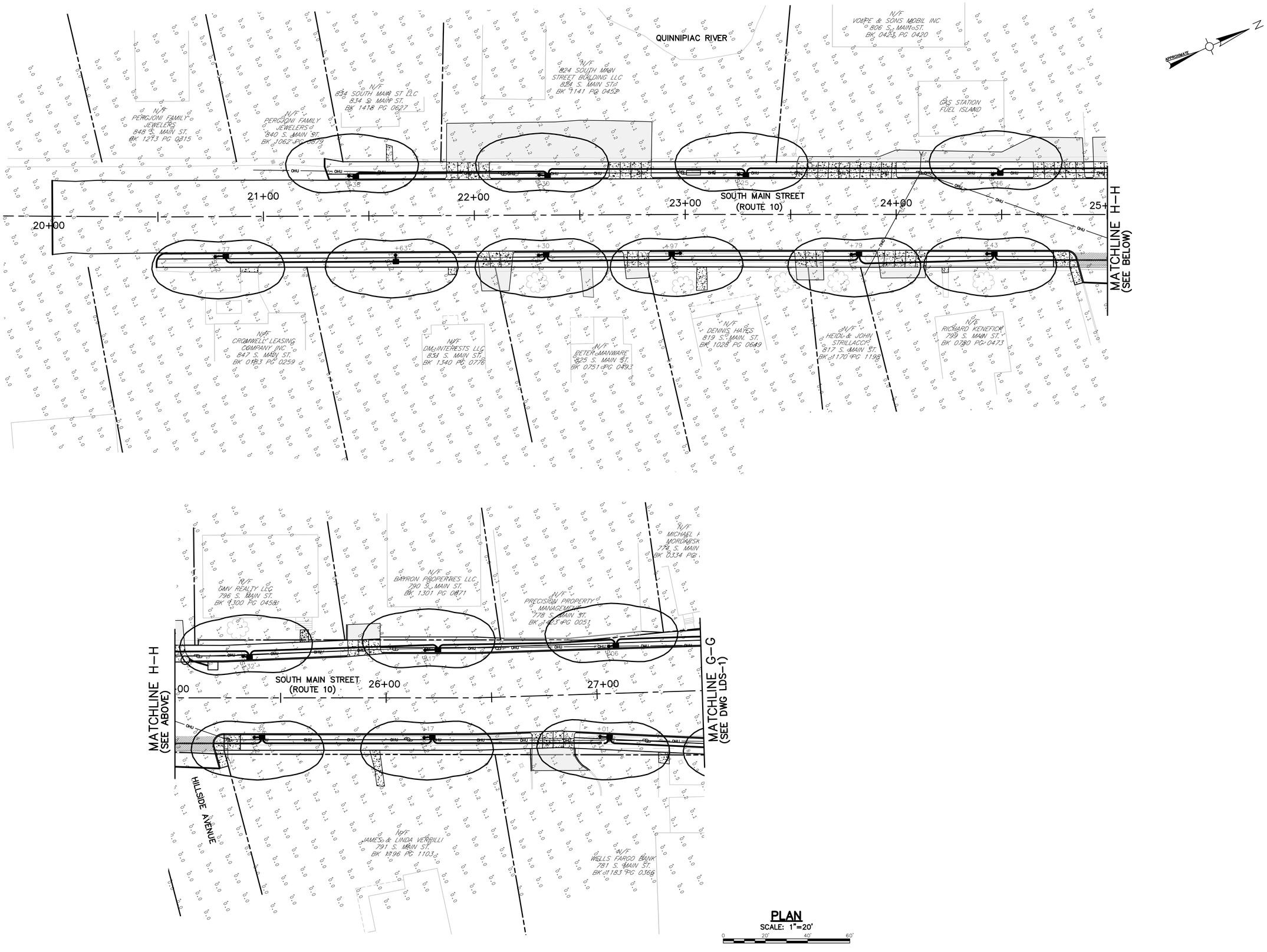

PLAN
SCALE: 1"=20'

0 20' 40' 60'

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

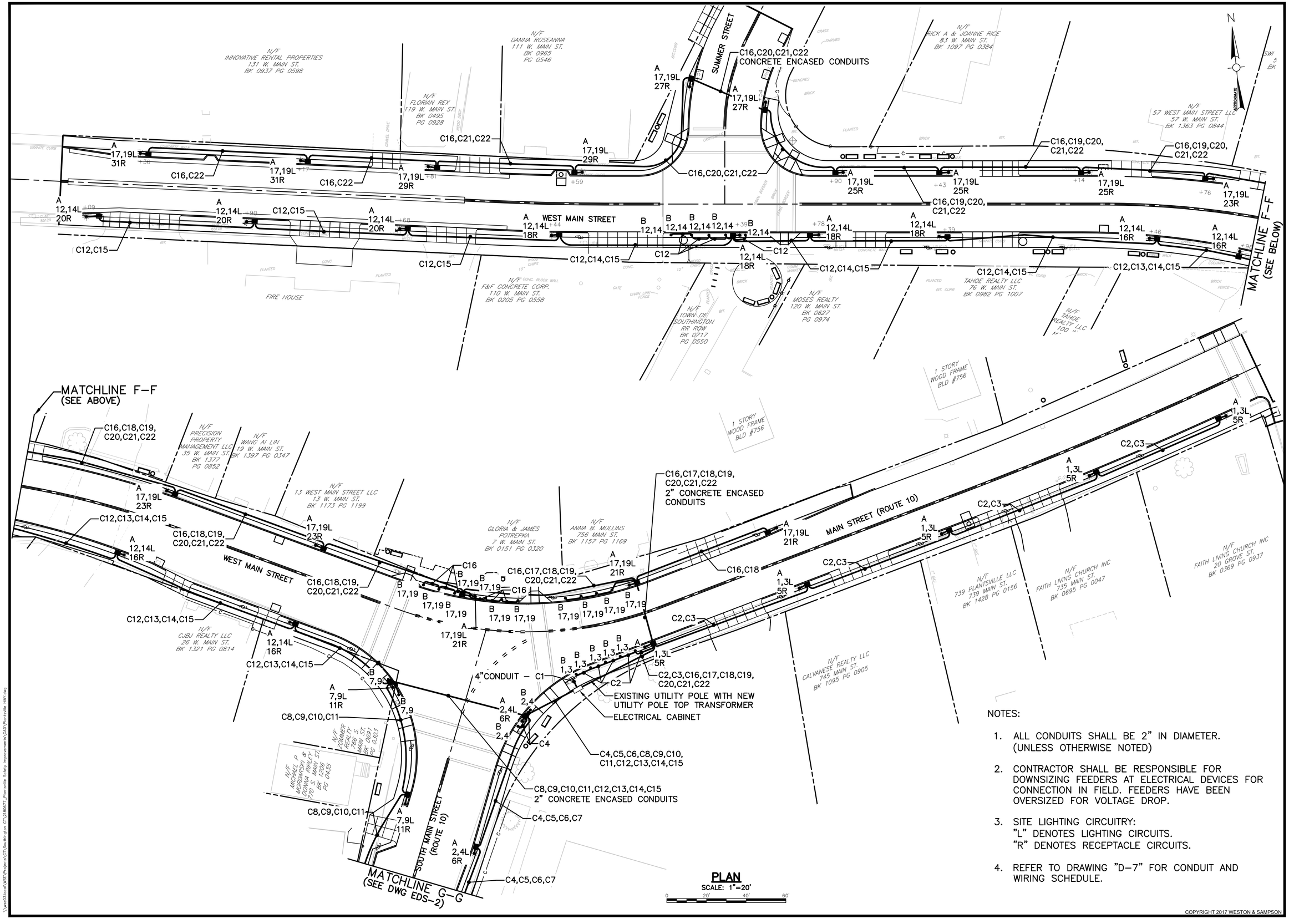
PHOTOMETRIC PLAN SOUTH MAIN STREET

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

LDS-4

FILE NO.

SHEET 36 OF 62



PLAN
SCALE: 1"=20'

NOTES:

1. ALL CONDUITS SHALL BE 2" IN DIAMETER. (UNLESS OTHERWISE NOTED)
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DOWNSIZING FEEDERS AT ELECTRICAL DEVICES FOR CONNECTION IN FIELD. FEEDERS HAVE BEEN OVERSIZED FOR VOLTAGE DROP.
3. SITE LIGHTING CIRCUITRY:
   "L" DENOTES LIGHTING CIRCUITS.
   "R" DENOTES RECEPTACLE CIRCUITS.
4. REFER TO DRAWING "D–7" FOR CONDUIT AND WIRING SCHEDULE.

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TOWN OF SOUTHINGTON

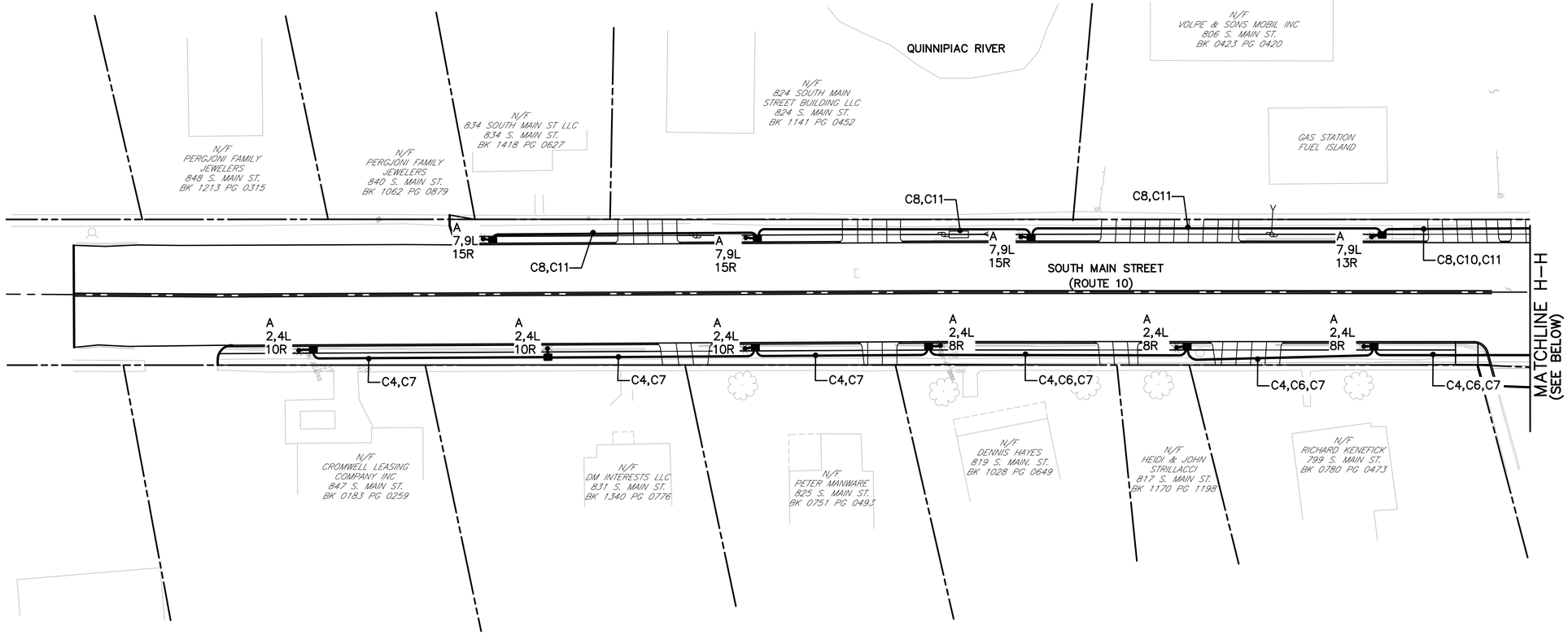
PLANTSVILLE SAFETY IMPROVEMENTS L131–0002

ELECTRICAL PLAN
WEST MAIN STREET & MAIN STREET (ROUTE 10)

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

EL-1



PLAN
SCALE: 1"=20'
0 20' 40' 60'

NOTES:

1. ALL CONDUITS SHALL BE 2" IN DIAMETER. (UNLESS OTHERWISE NOTED)
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DOWNSIZING FEEDERS AT ELECTRICAL DEVICES FOR CONNECTION IN FIELD. FEEDERS HAVE BEEN OVERSIZED FOR VOLTAGE DROP.
3. SITE LIGHTING CIRCUITRY:
   "L" DENOTES LIGHTING CIRCUITS.
   "R" DENOTES RECEPTACLE CIRCUITS.
4. REFER TO DRAWING "D–7" FOR CONDUIT AND WIRING SCHEDULE.

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E	D				

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131–0002

ELECTRICAL PLAN
SOUTH MAIN STREET

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 21806677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

EL-2

FILE NO.

SHEET 38 OF 62

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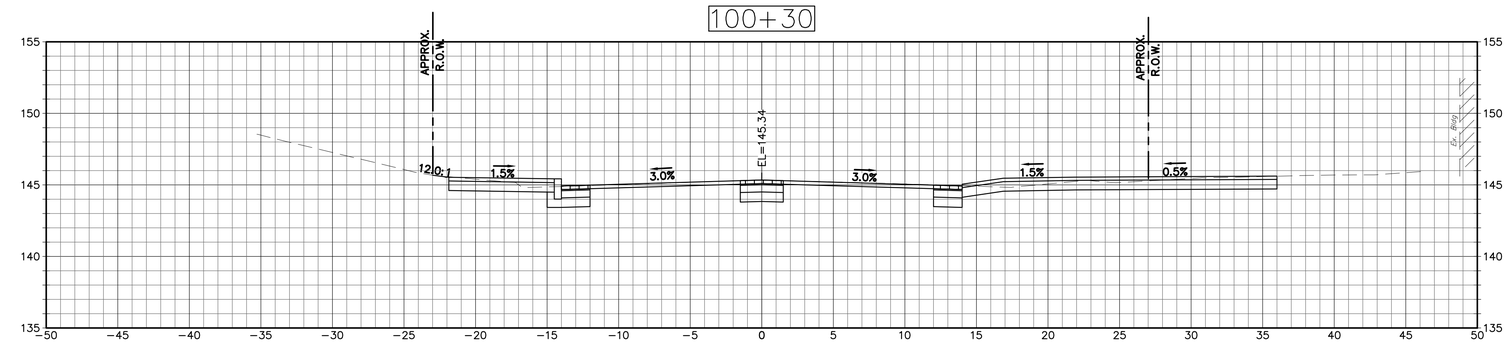

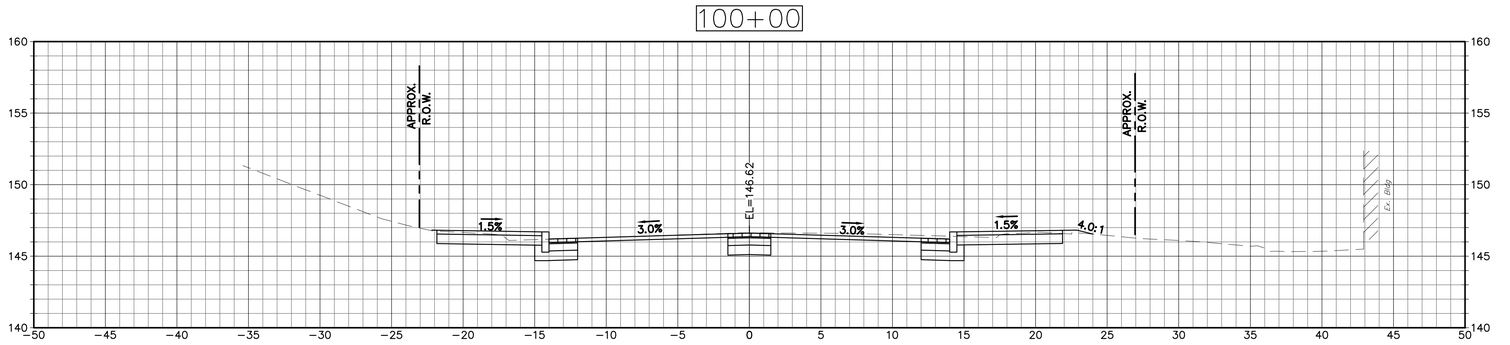

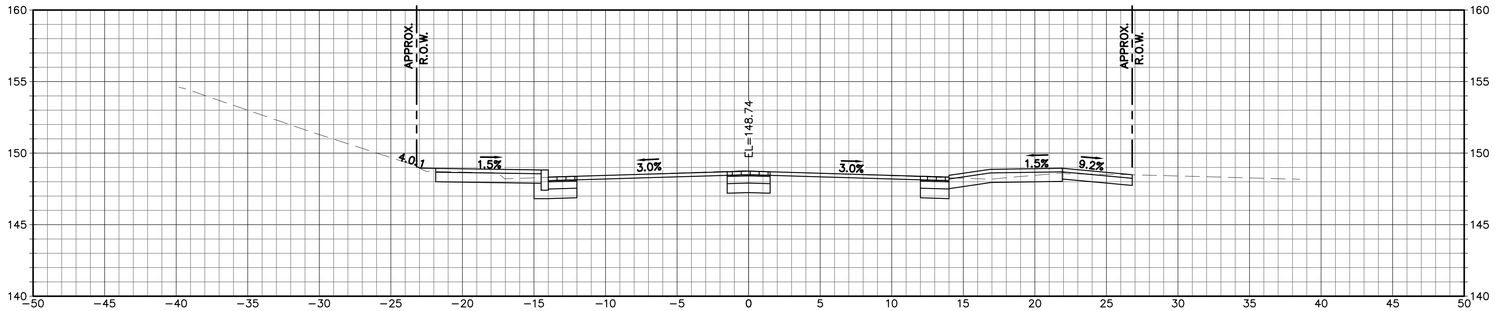

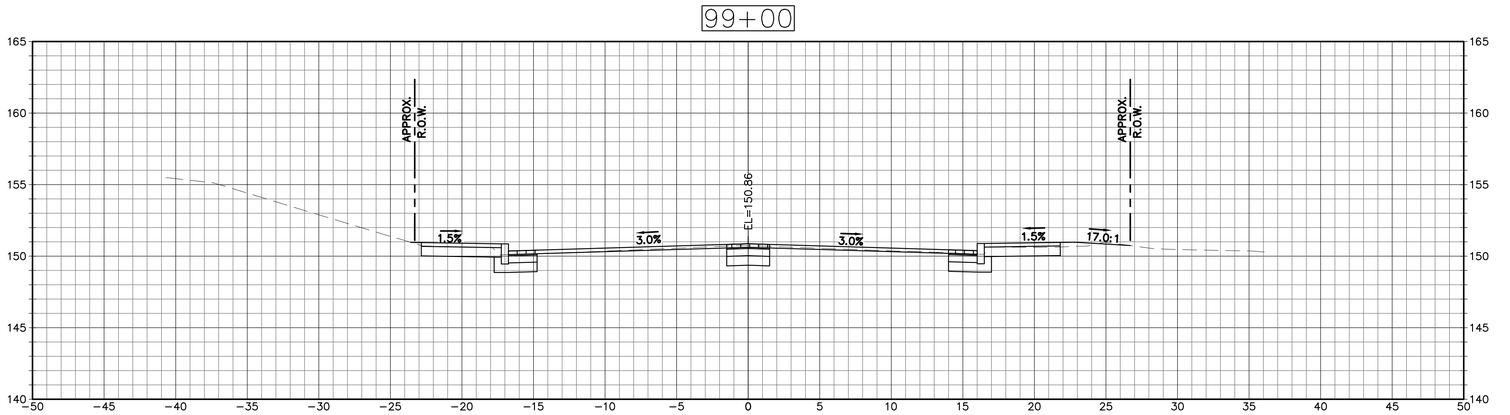

CROSS SECTIONS
SCALE: 1"=5'

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A	P	P	R	O	V
E	D				

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 99+00 – STA. 100+30

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 21806677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

XSC-1

FILE NO.

SHEET 39 OF 62

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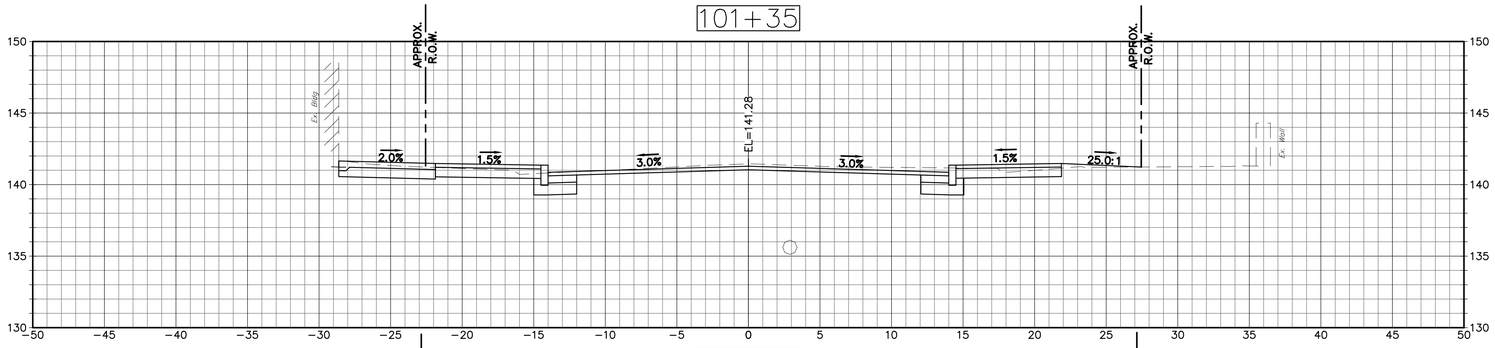

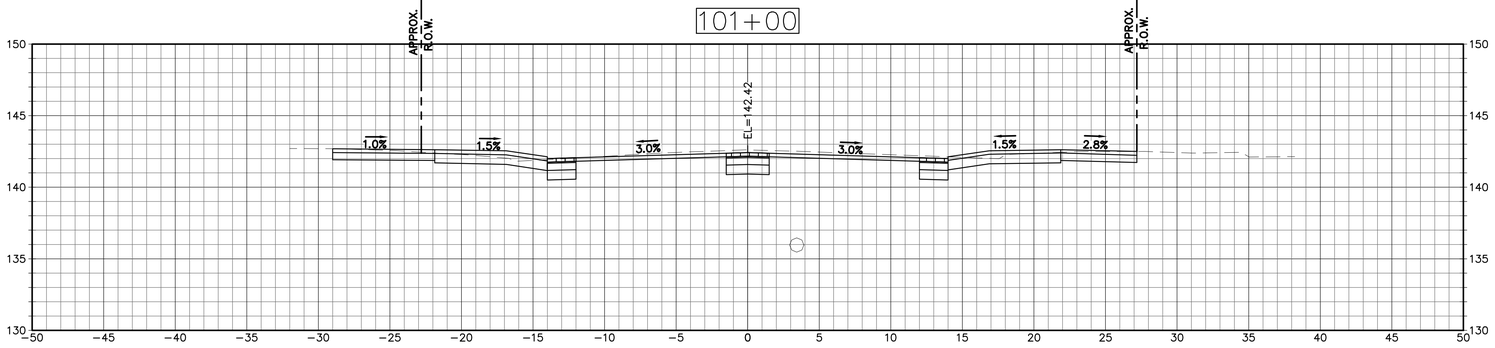

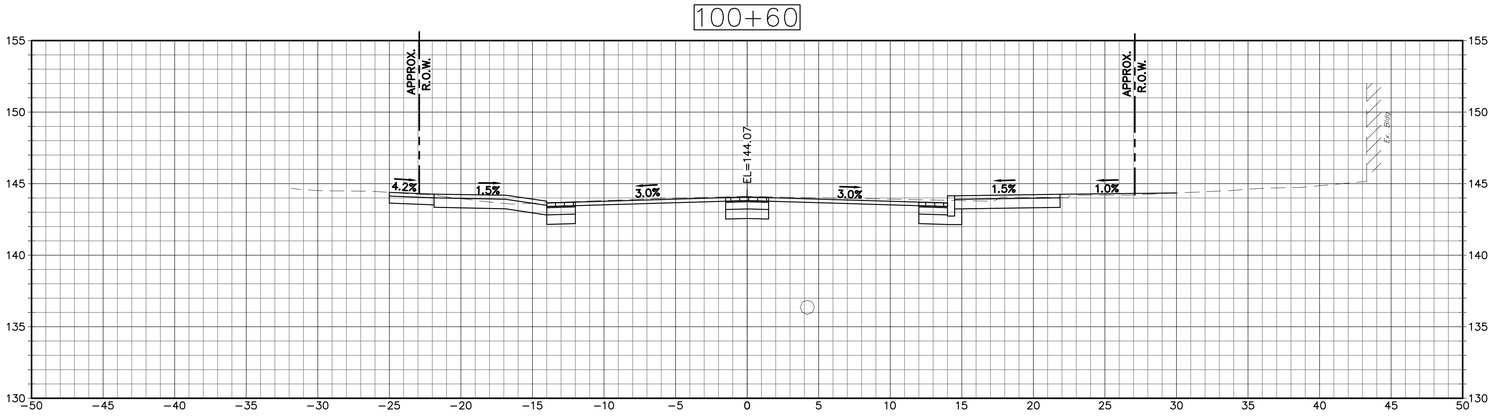

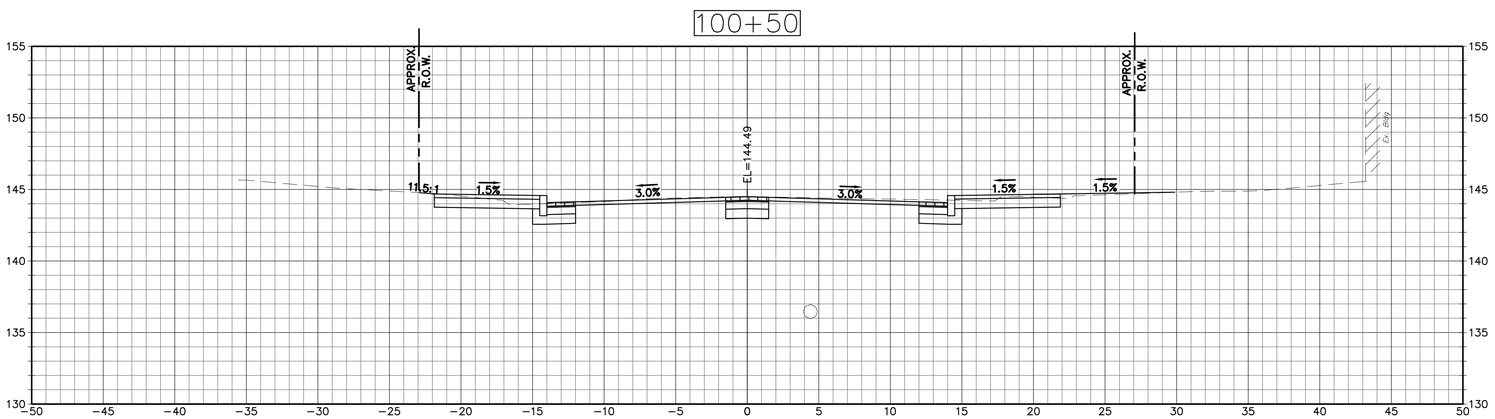

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SCALE: 1"=5'

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E	D				

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 100+50 – STA. 101+35

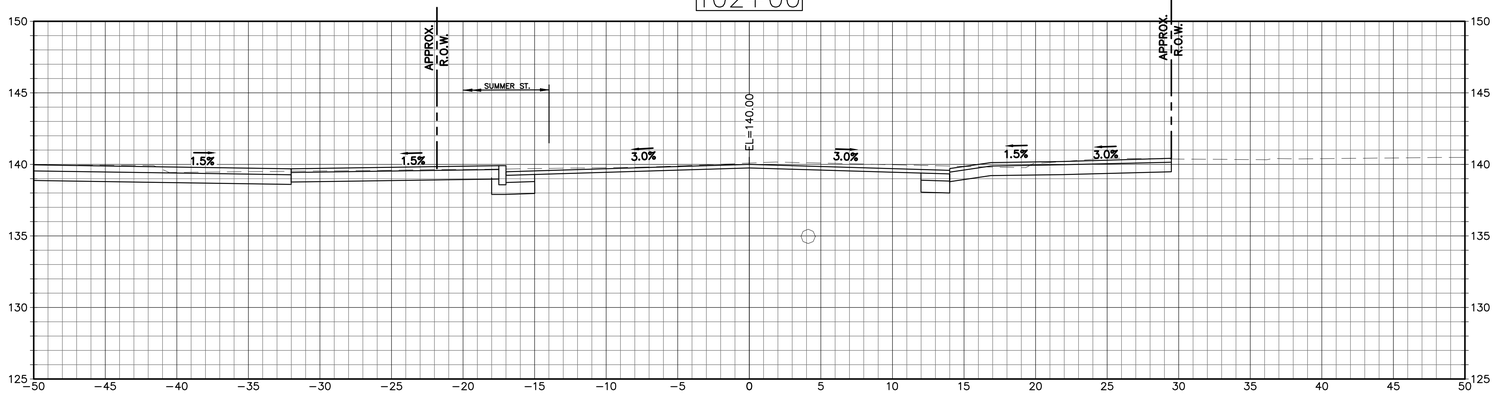
SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO.

FILE NO.

XSC-2

102+00



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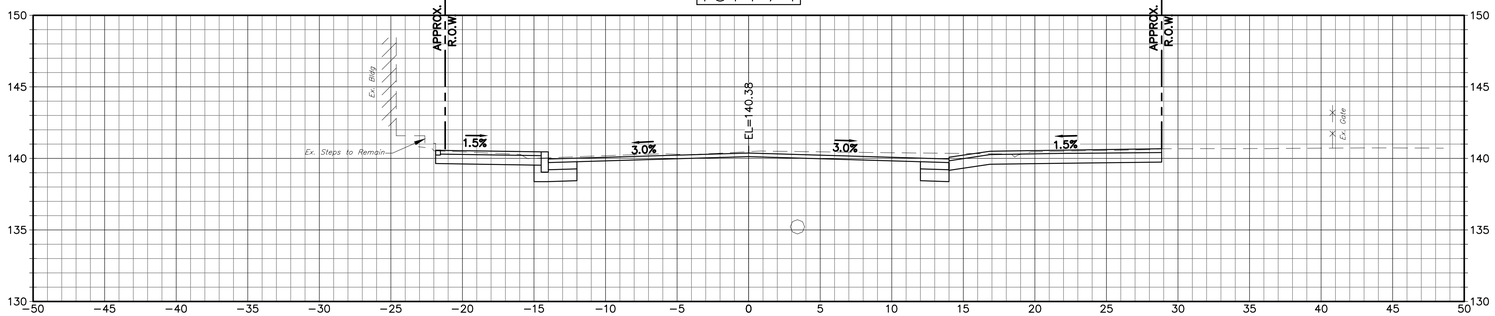
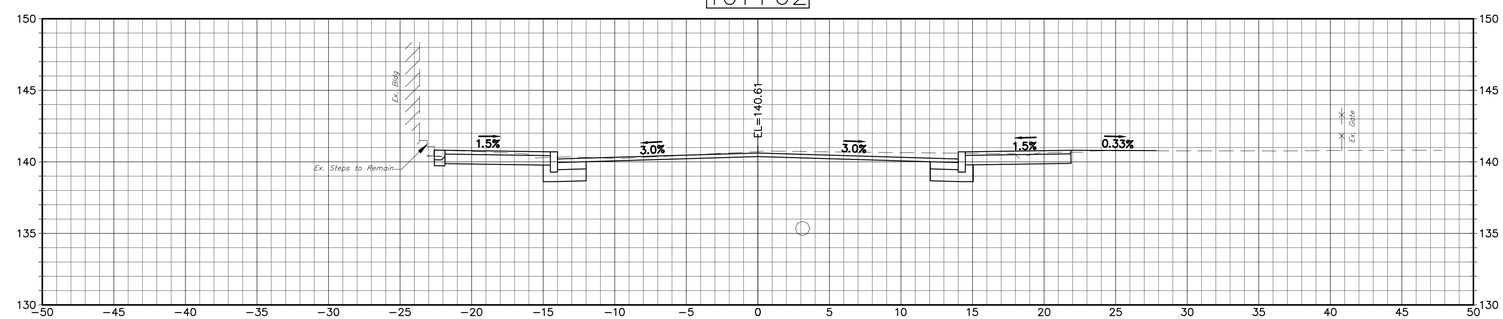
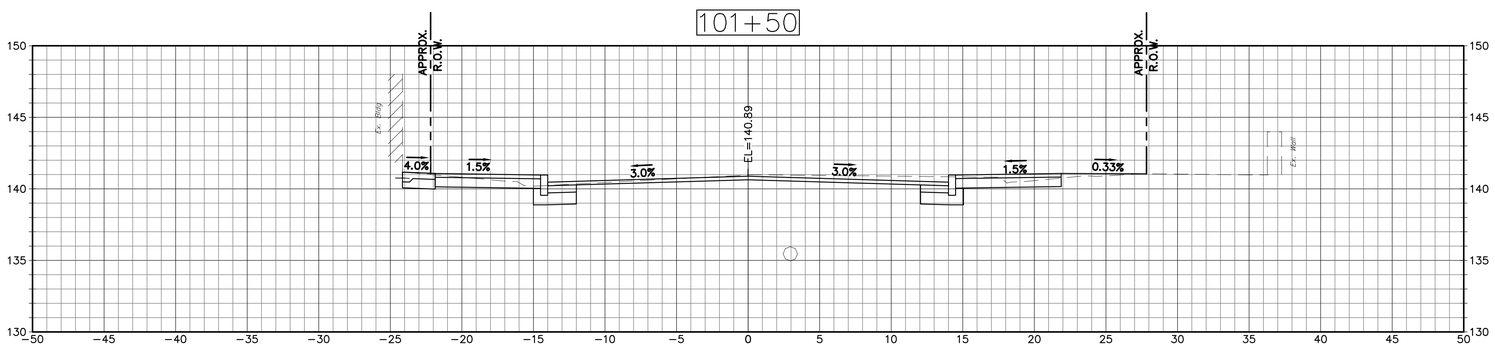


101+62



101+50



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A	P	P	R	O	V E D

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 101+50 – STA. 102+00

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

XSC-3

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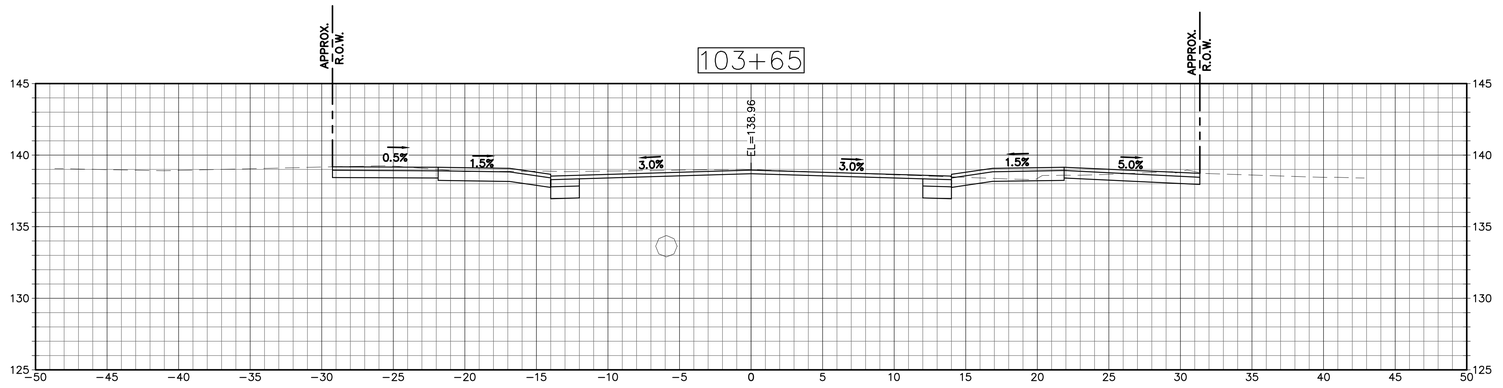

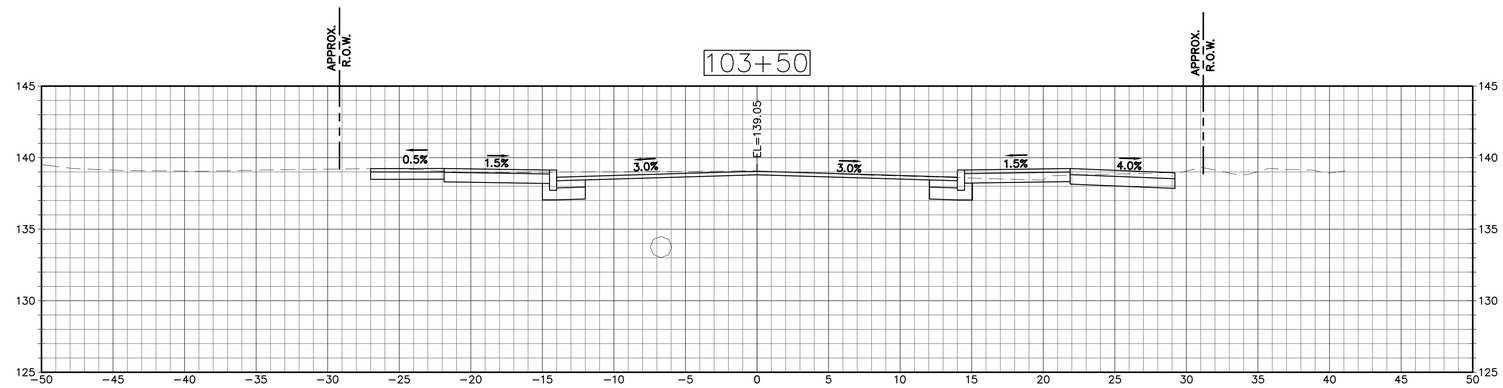

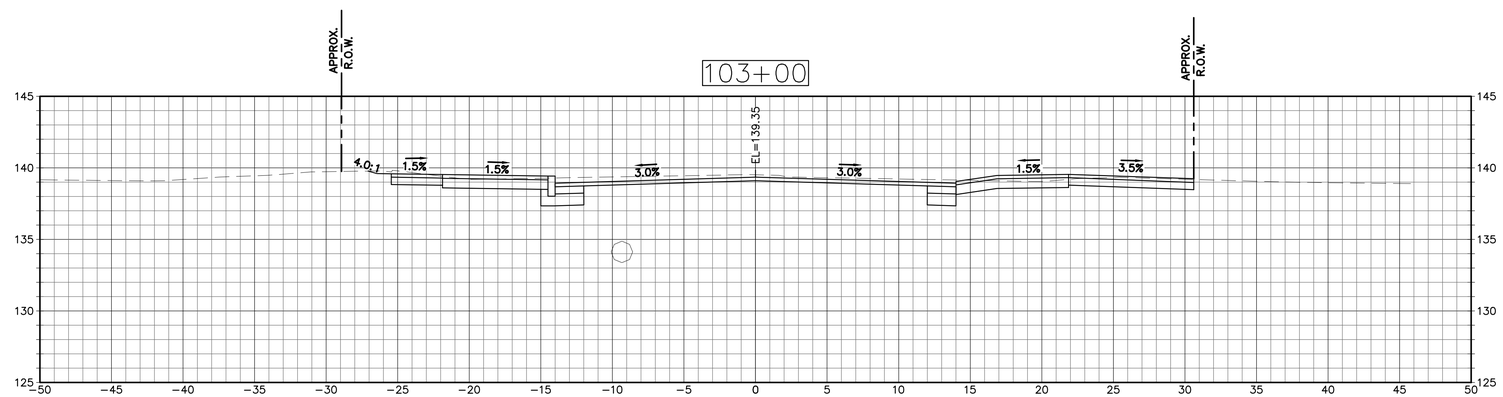

CROSS SECTIONS
SCALE: 1"=5'

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C					
D					
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REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 102+50 – STA. 103+65

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

XSC-4

FILE NO.

SHEET 42 OF 62

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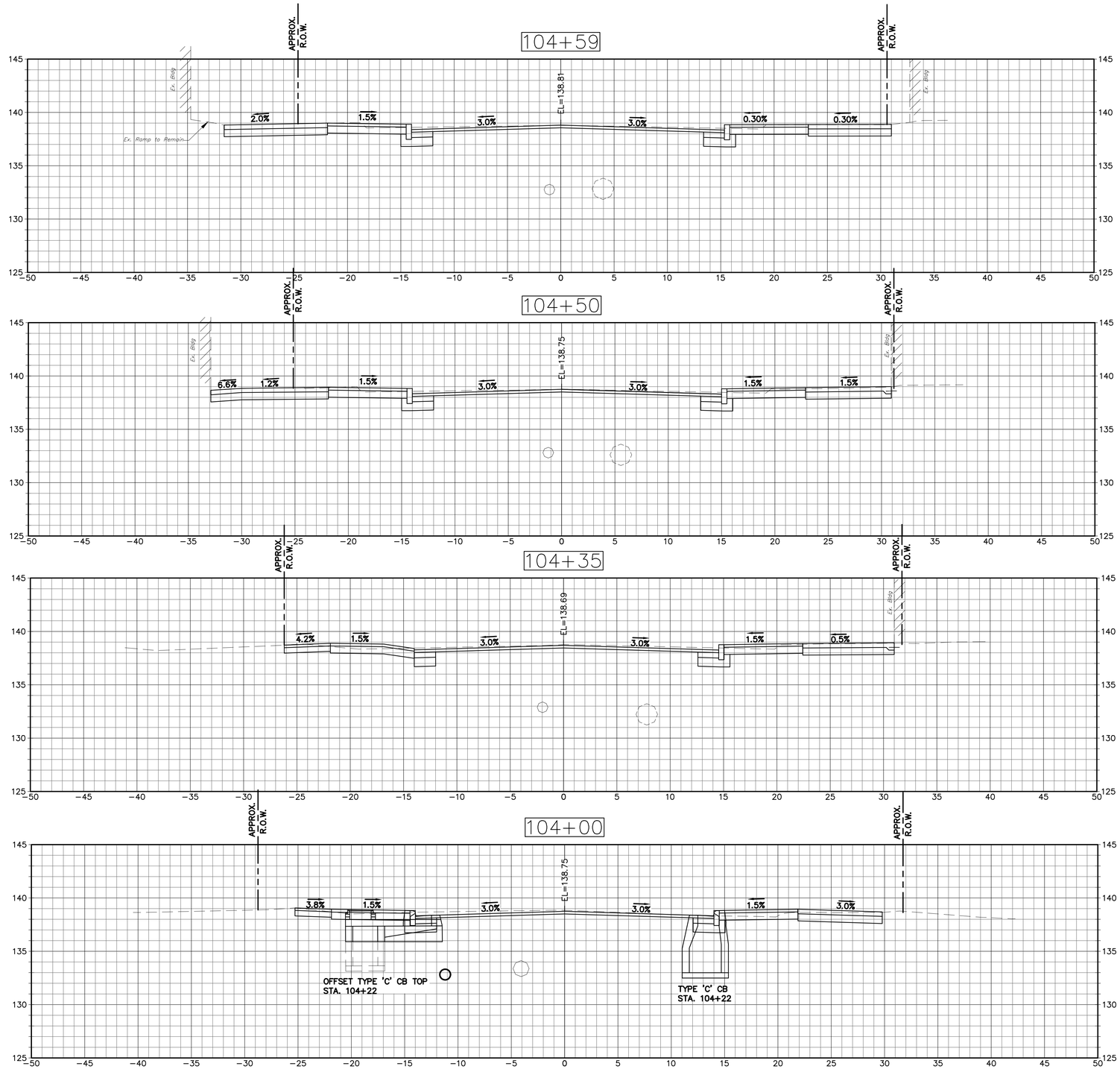

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 104+00 – STA. 104+59

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

FILE NO.

XSC-5

SHEET 43 OF 62

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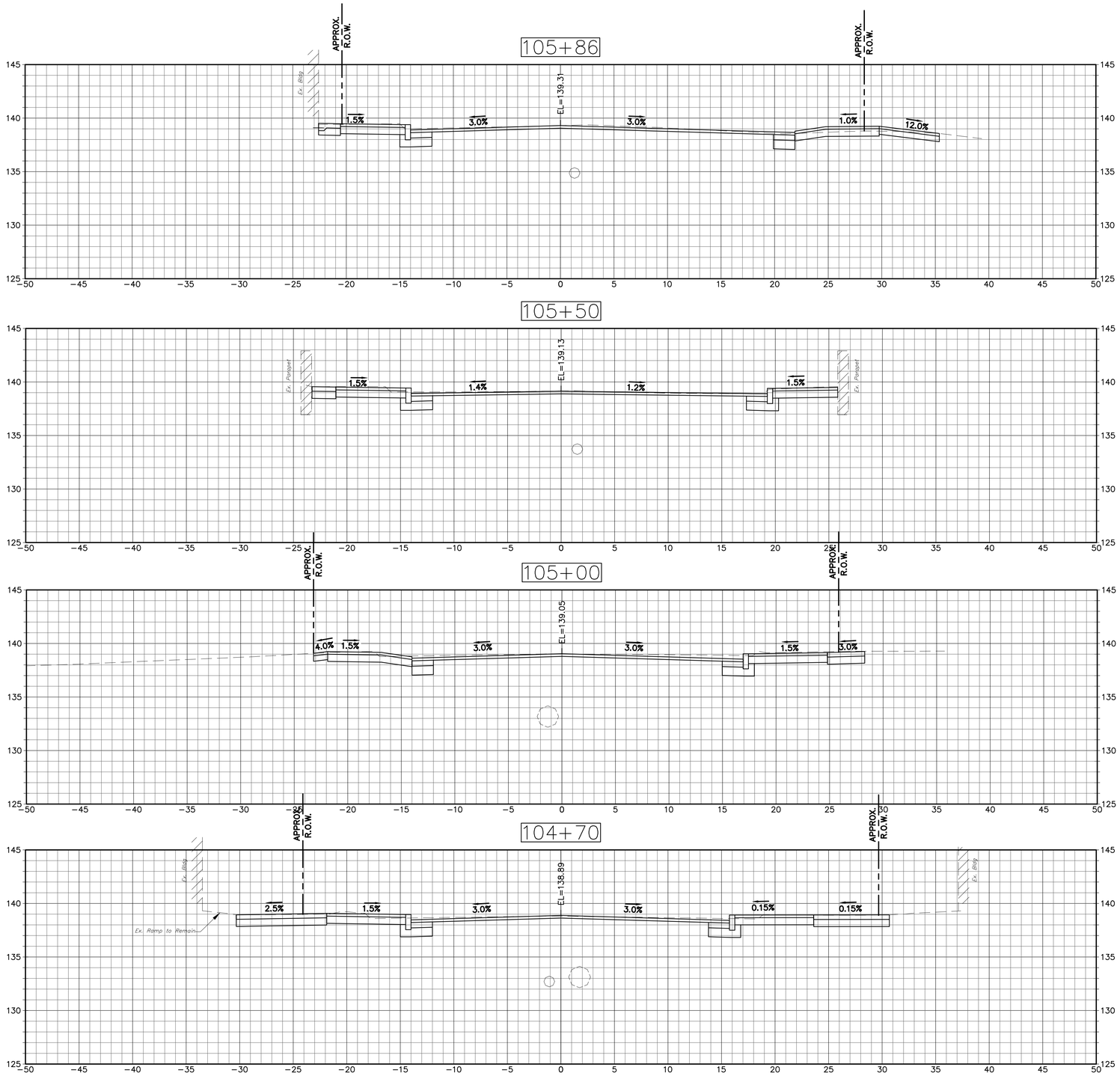

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

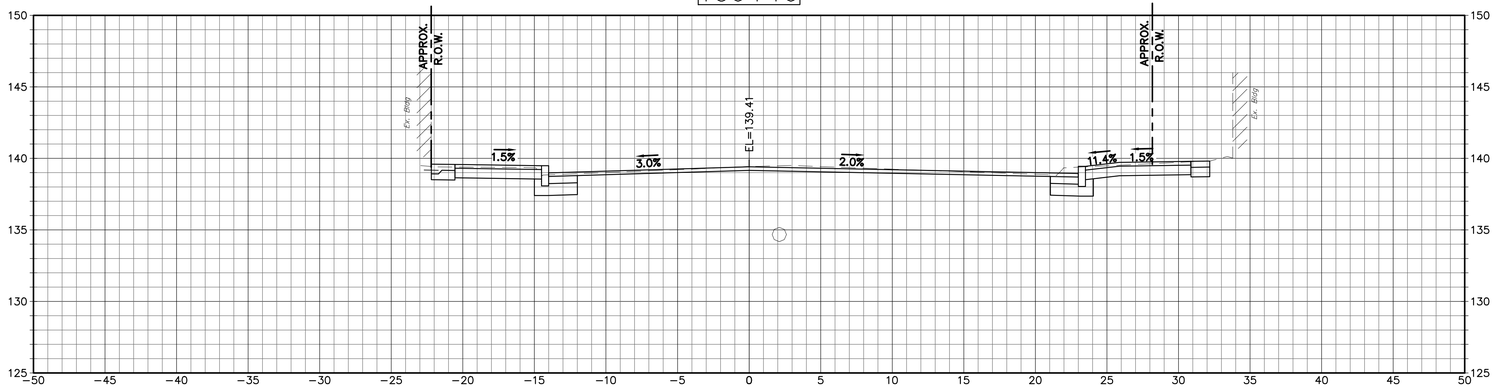
CROSS SECTIONS WEST MAIN STREET
STA. 104+70 – STA. 105+86

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

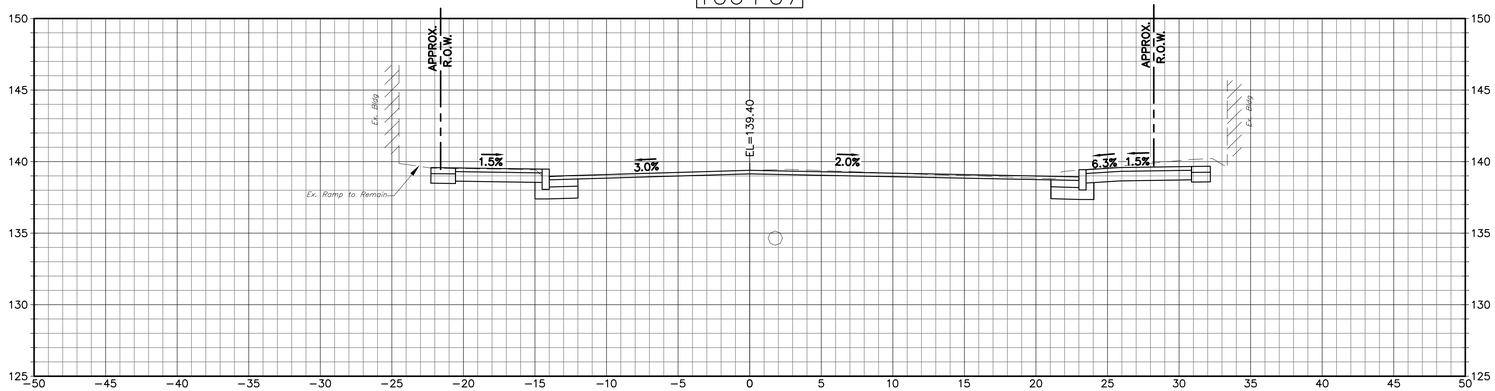
XSC-6

FILE NO.

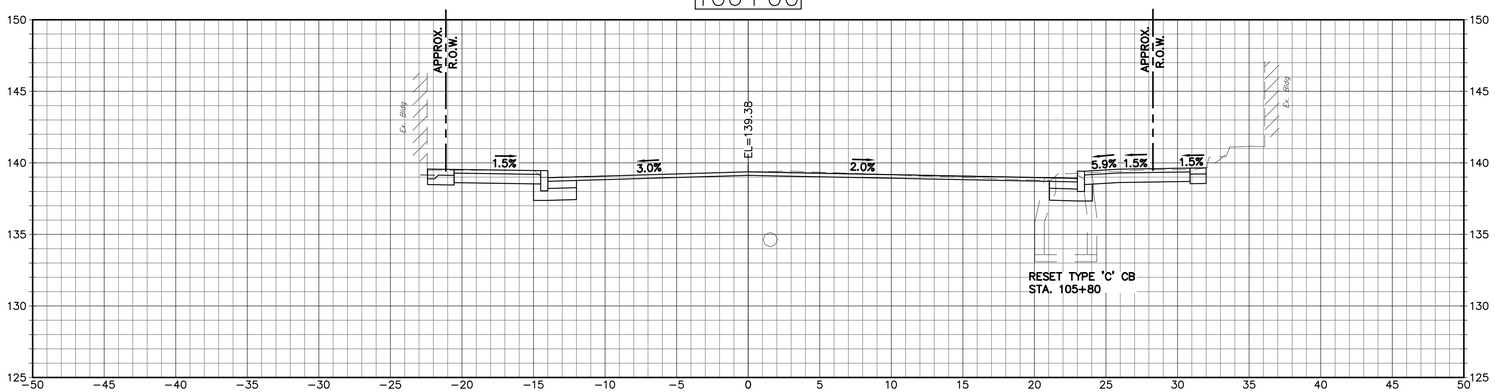
106+16



106+07



106+00



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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 105+90 – STA. 106+16

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO.

FILE NO.

XSC-7

SHEET 45 OF 62

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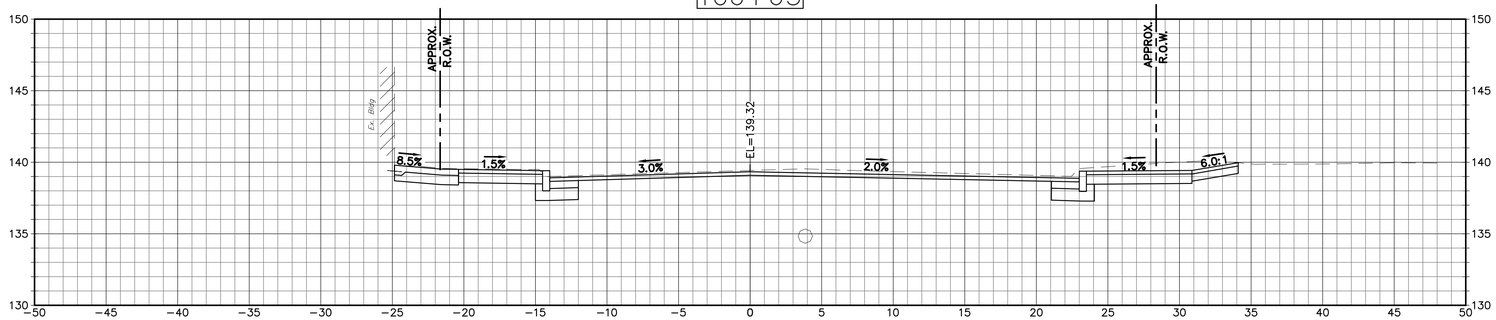
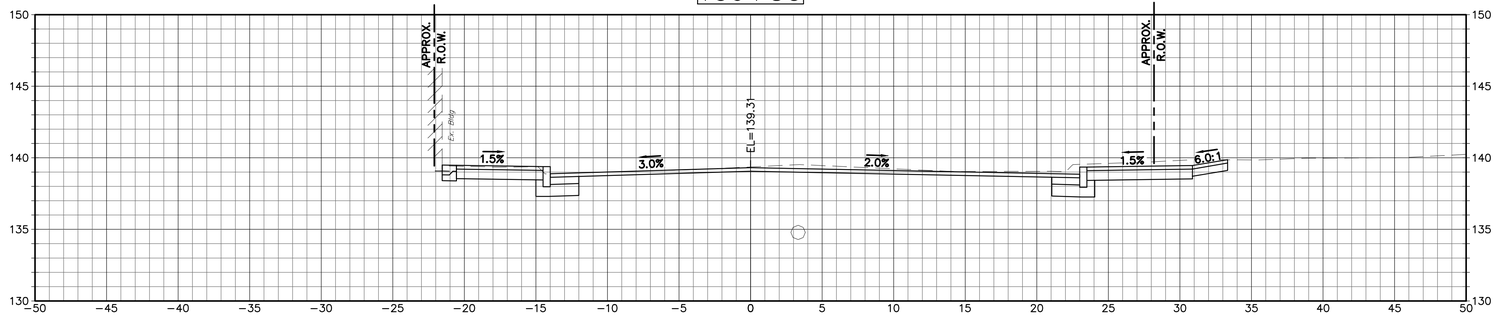
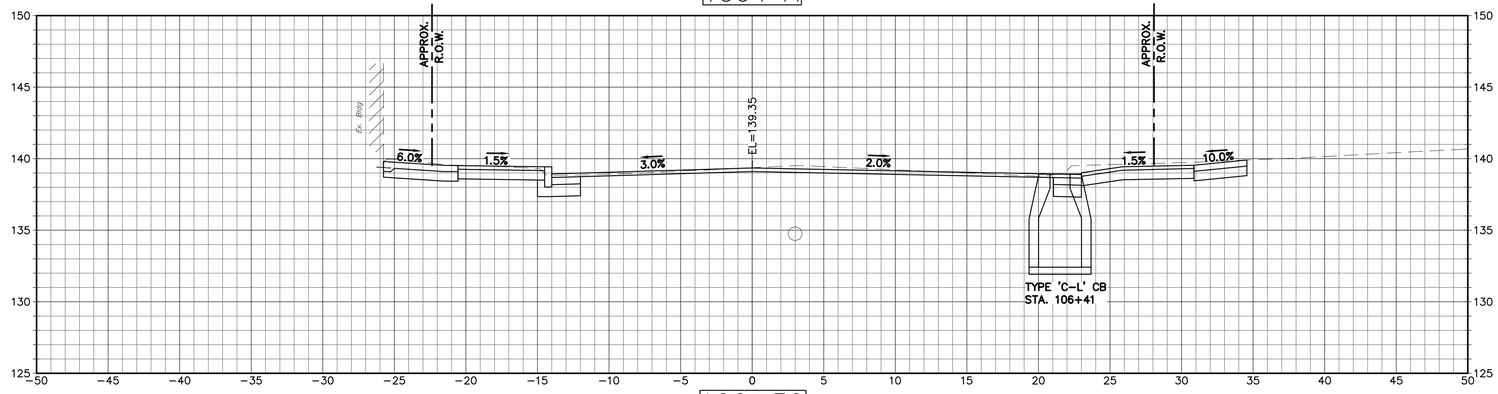
106+65



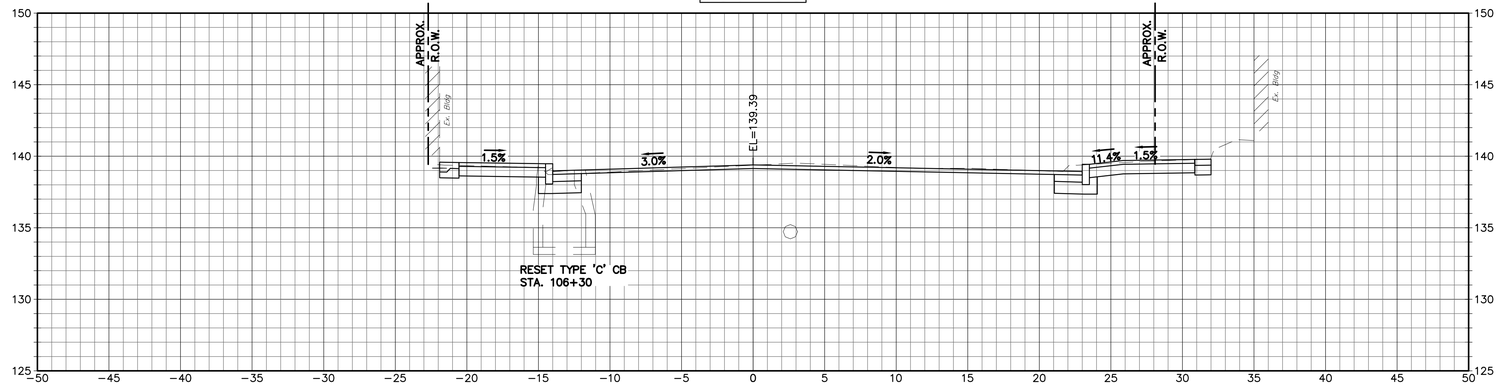
106+50



106+41



106+30



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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 106+30 – STA. 106+65

SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN		2180677	NSD	LAS	ALN	ALN

CADD NO.

FILE NO.

XSC-8

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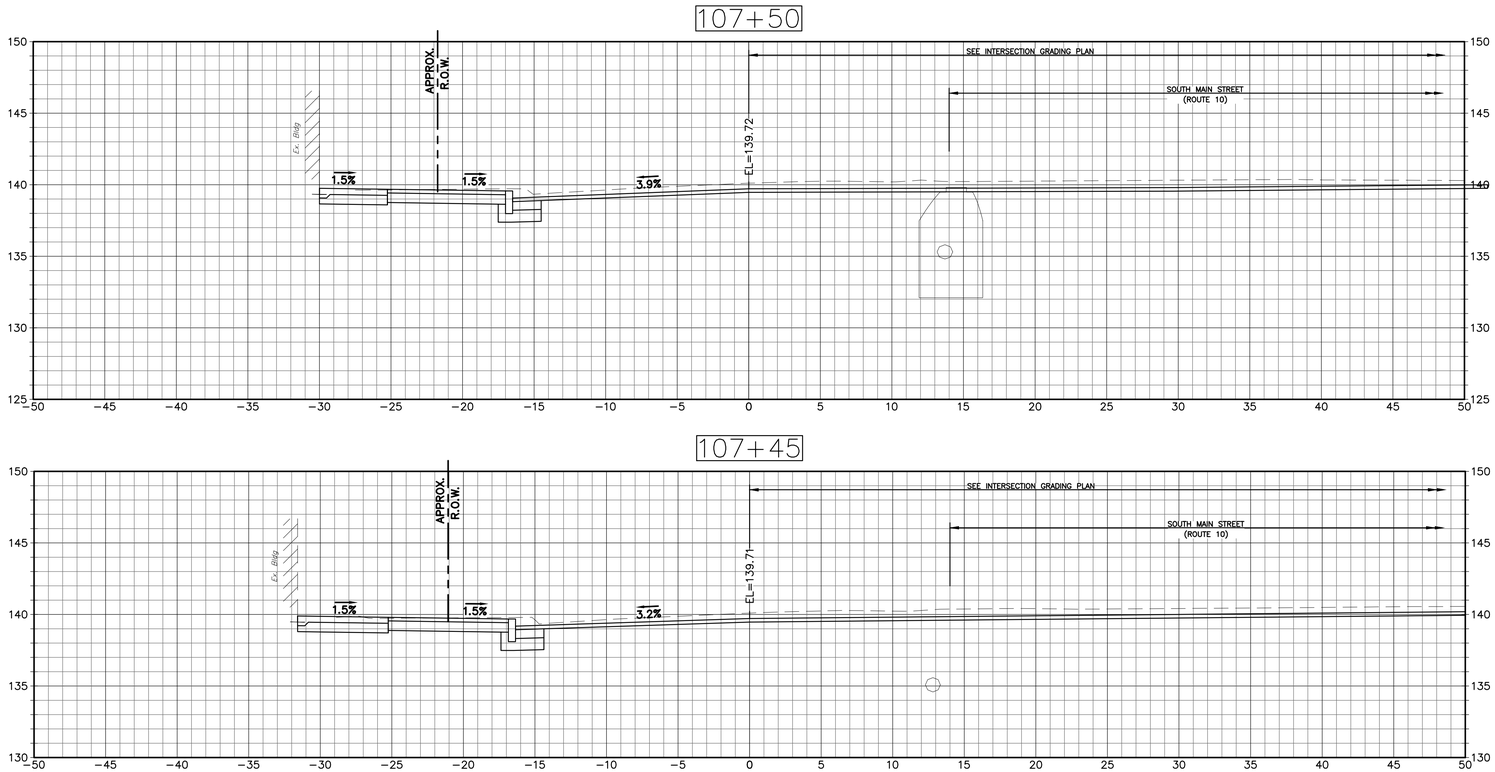

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS WEST MAIN STREET STA. 107+00 – STA. 107+50

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

XSC-9

FILE NO.

SHEET 47 OF 62

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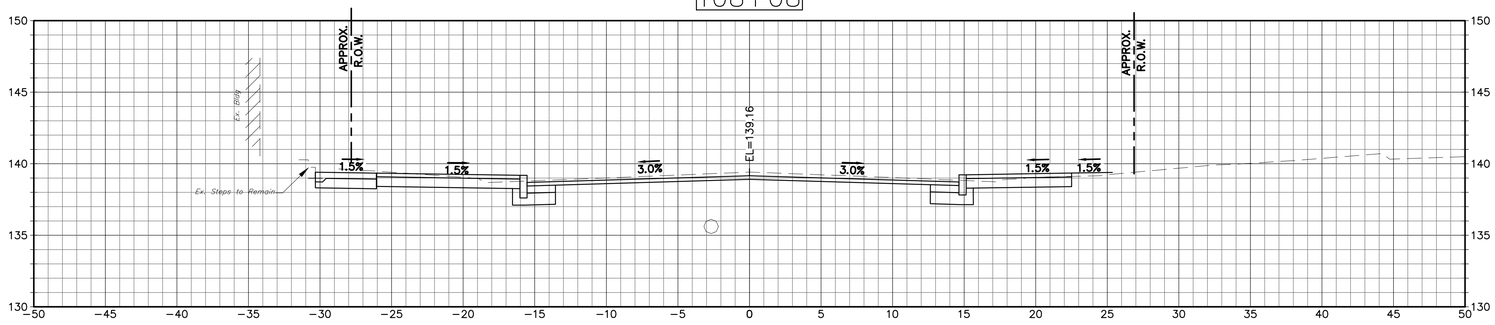
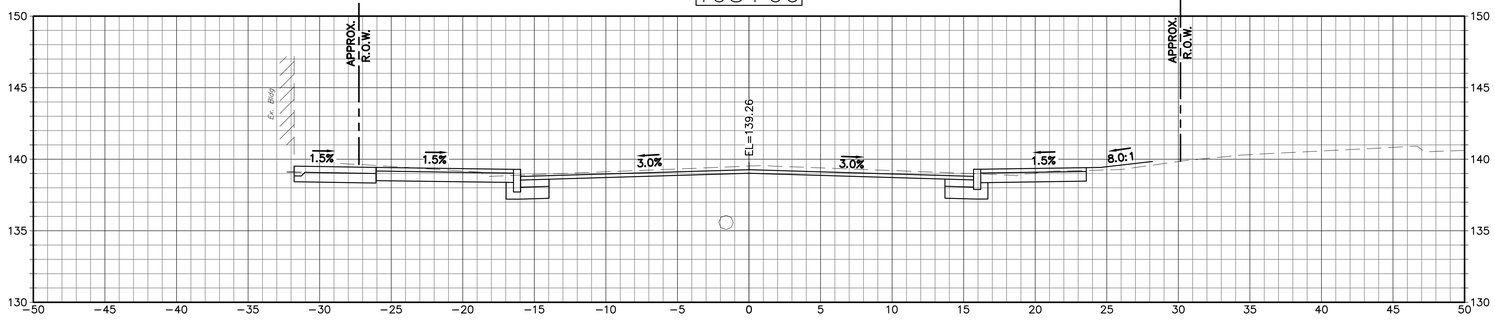
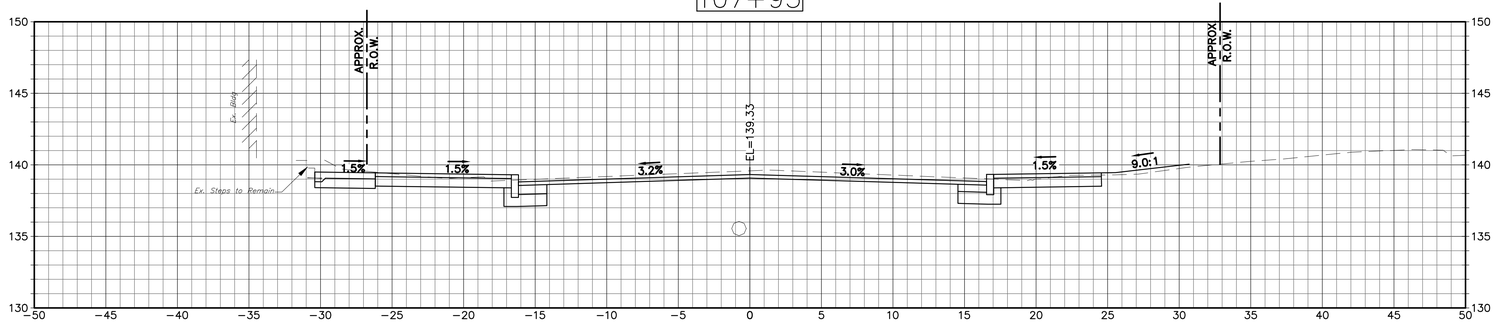
108+08



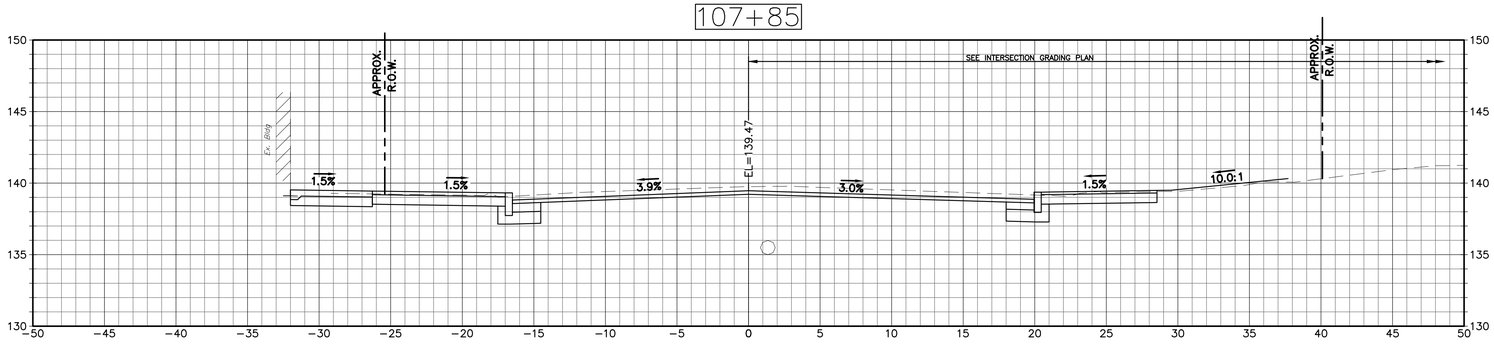
108+00



107+95



107+85



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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS MAIN STREET (ROUTE 10) STA. 107+85 – STA. 108+08

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

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FILE NO.

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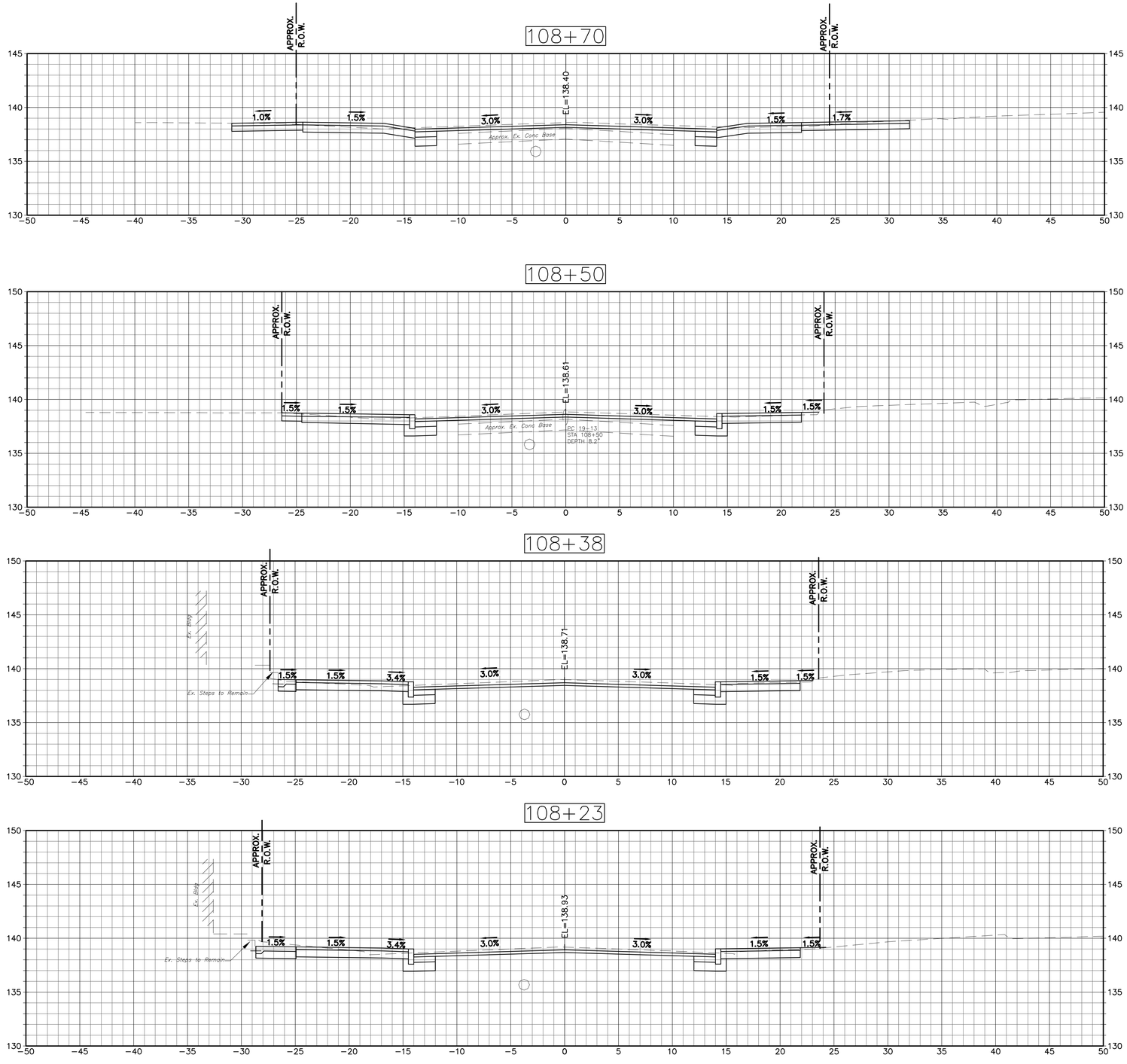

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS MAIN STREET (ROUTE 10) STA. 108+23 – STA. 108+70

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

XSC-11

FILE NO.

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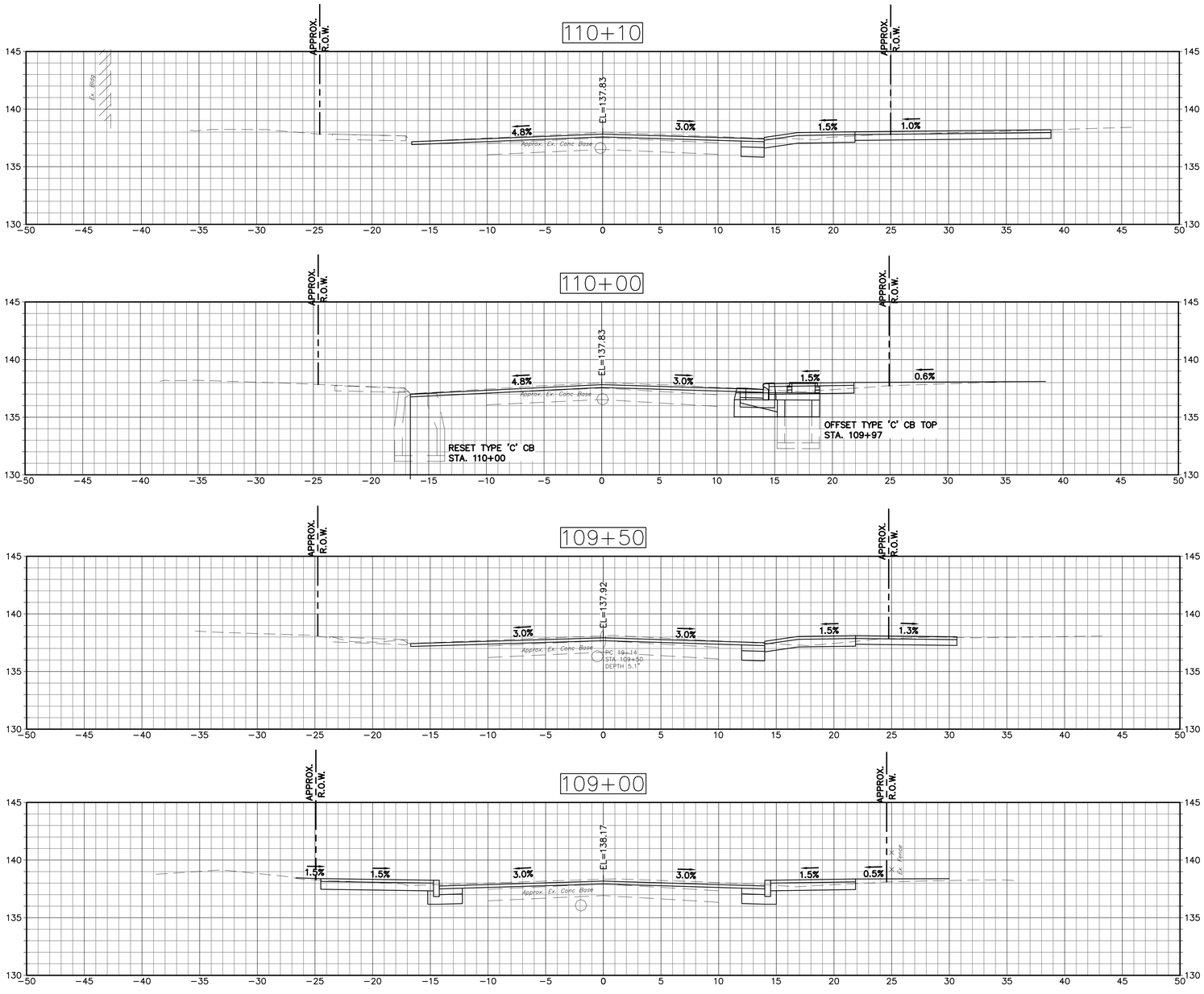

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS MAIN STREET (ROUTE 10) STA. 109+00 – STA. 110+10

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR BY	DSN BY	CHK BY	APP BY
FILE NO.	AS SHOWN		21806677	NSD	LAS	ALN	ALN

XSC-12

SHEET 50 OF 62

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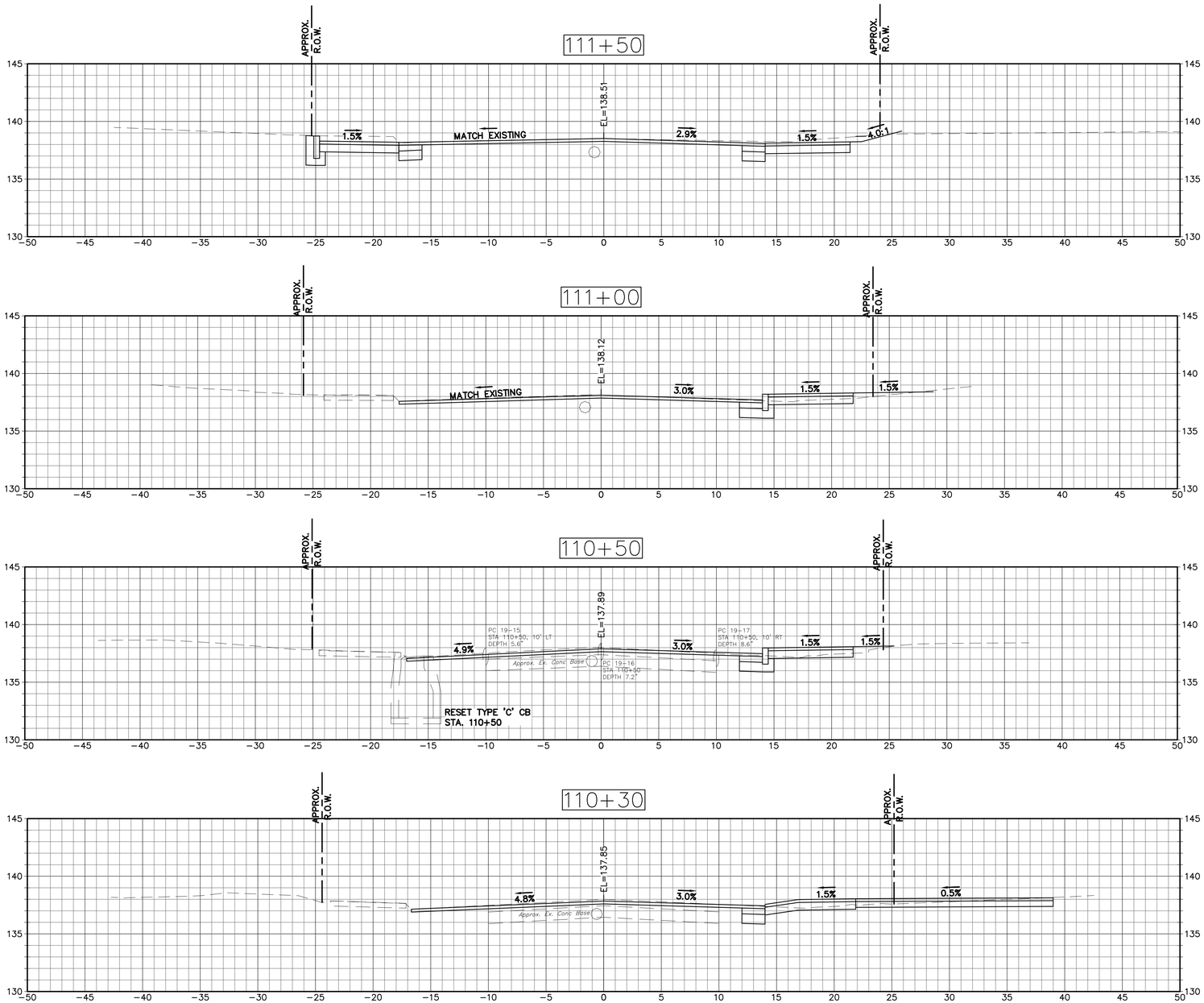

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS MAIN STREET (ROUTE 10) STA. 110+30 – STA. 111+50

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

XSC-13

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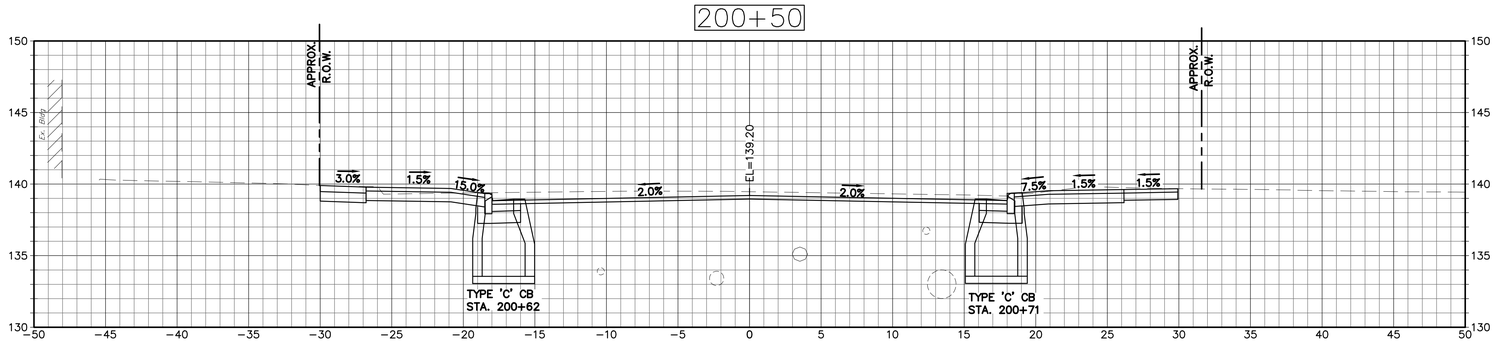

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SUMMER STREET
STA. 200+50

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

XSC-14

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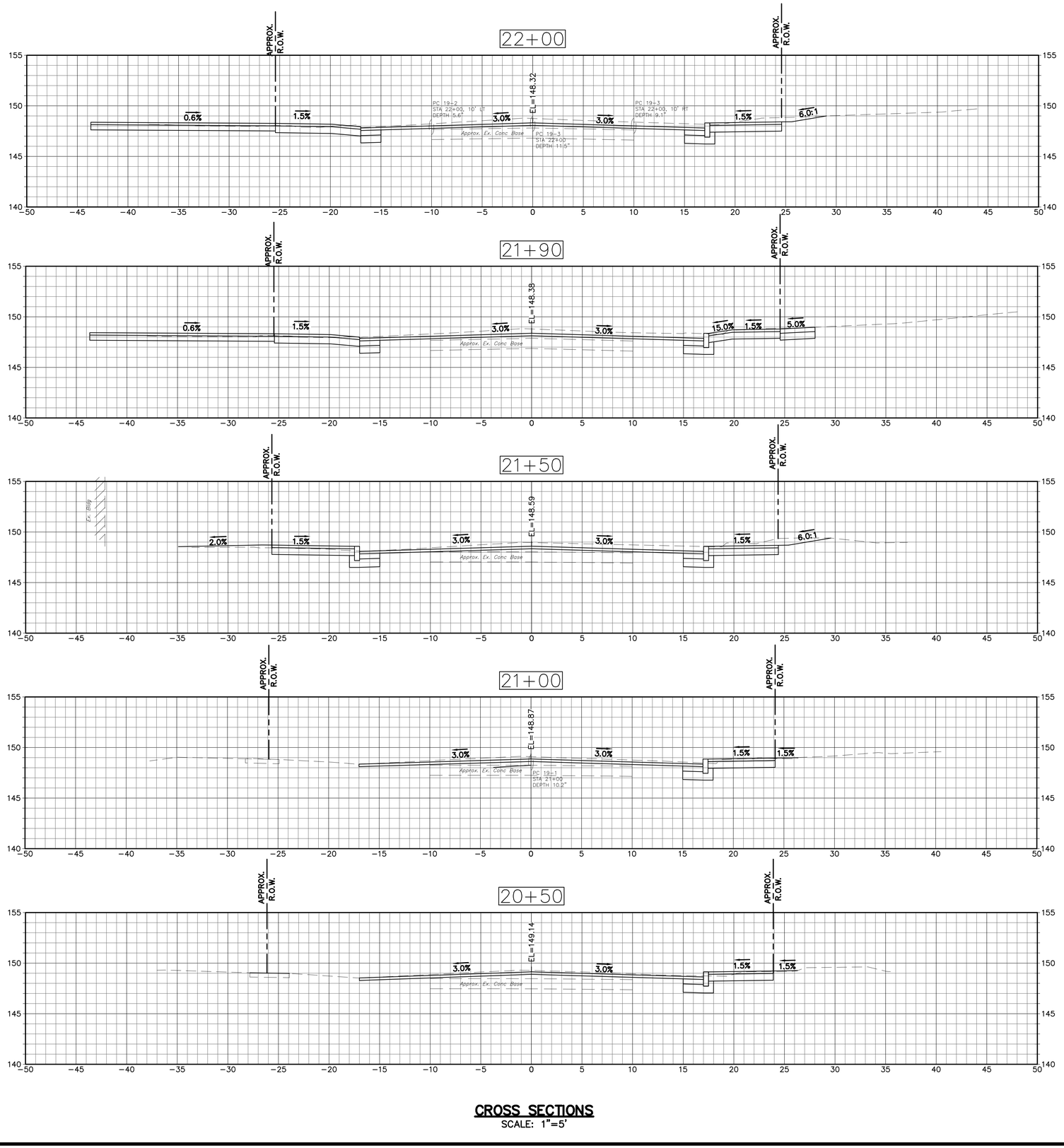

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 20+50 – STA. 22+00

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO. XSC-15

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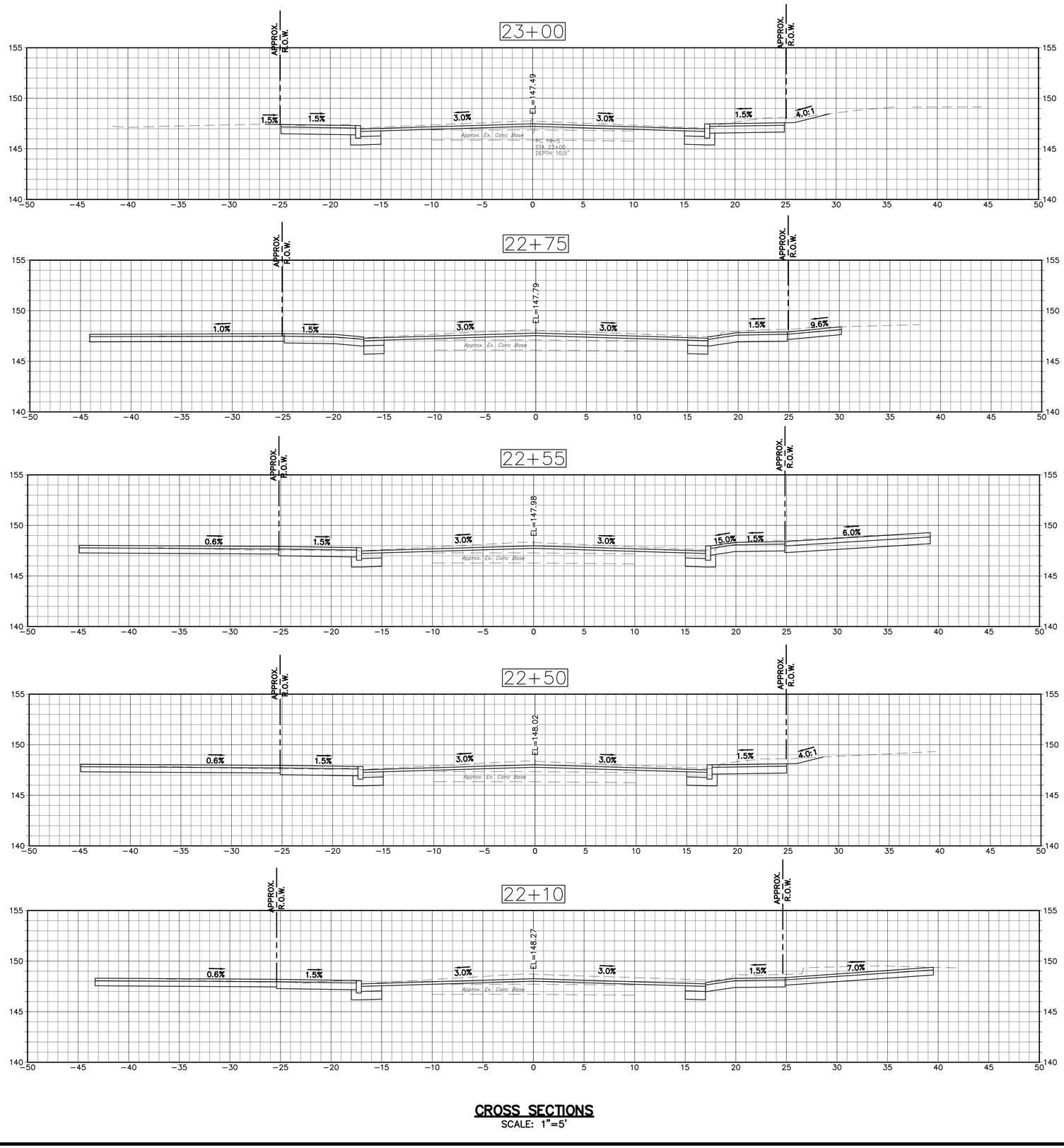

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 22+10 – STA. 23+00

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

XSC-16

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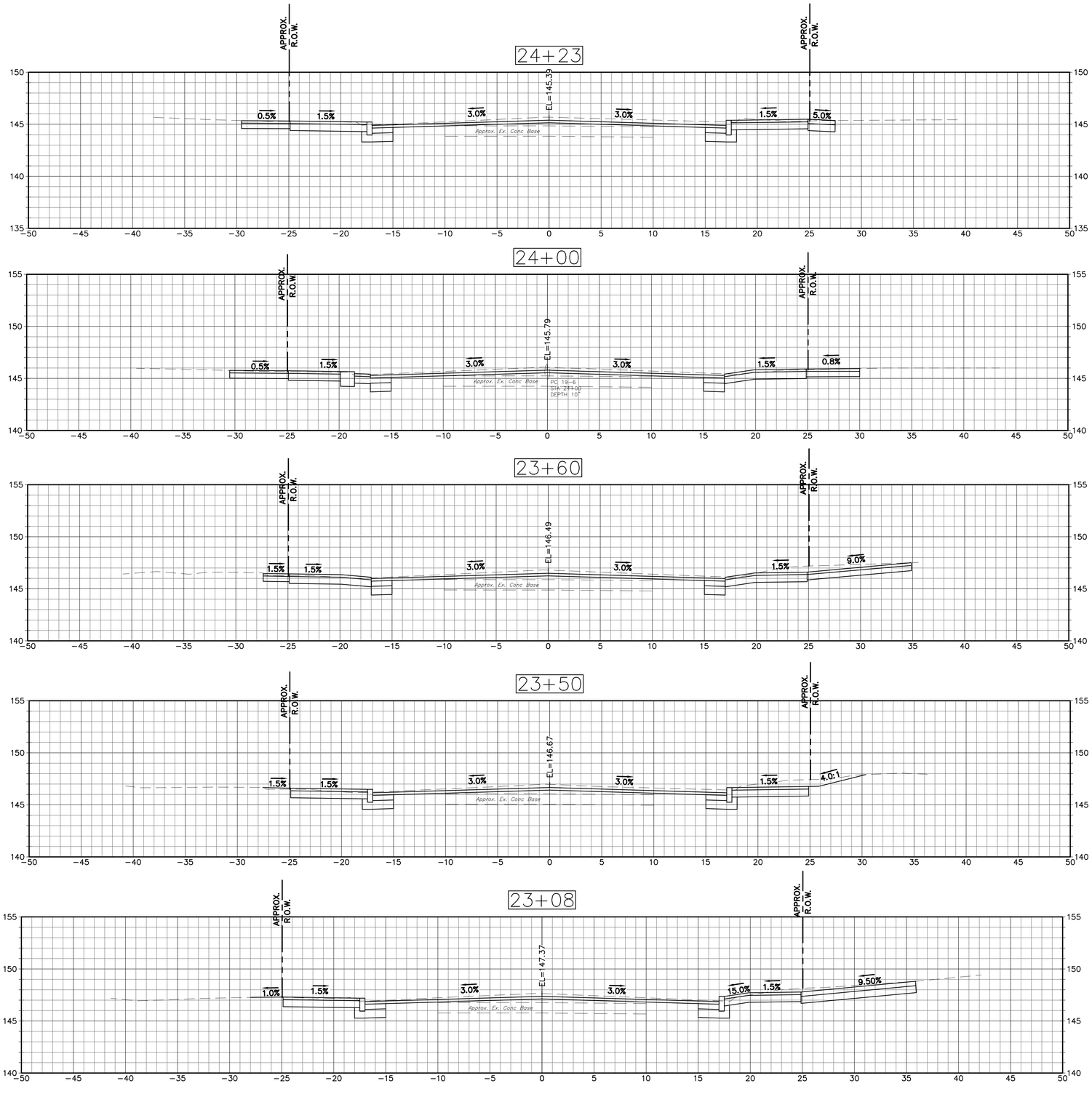

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 23+08 – STA. 24+23

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 21806677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

XSC-17

FILE NO.

SHEET 55 OF 62

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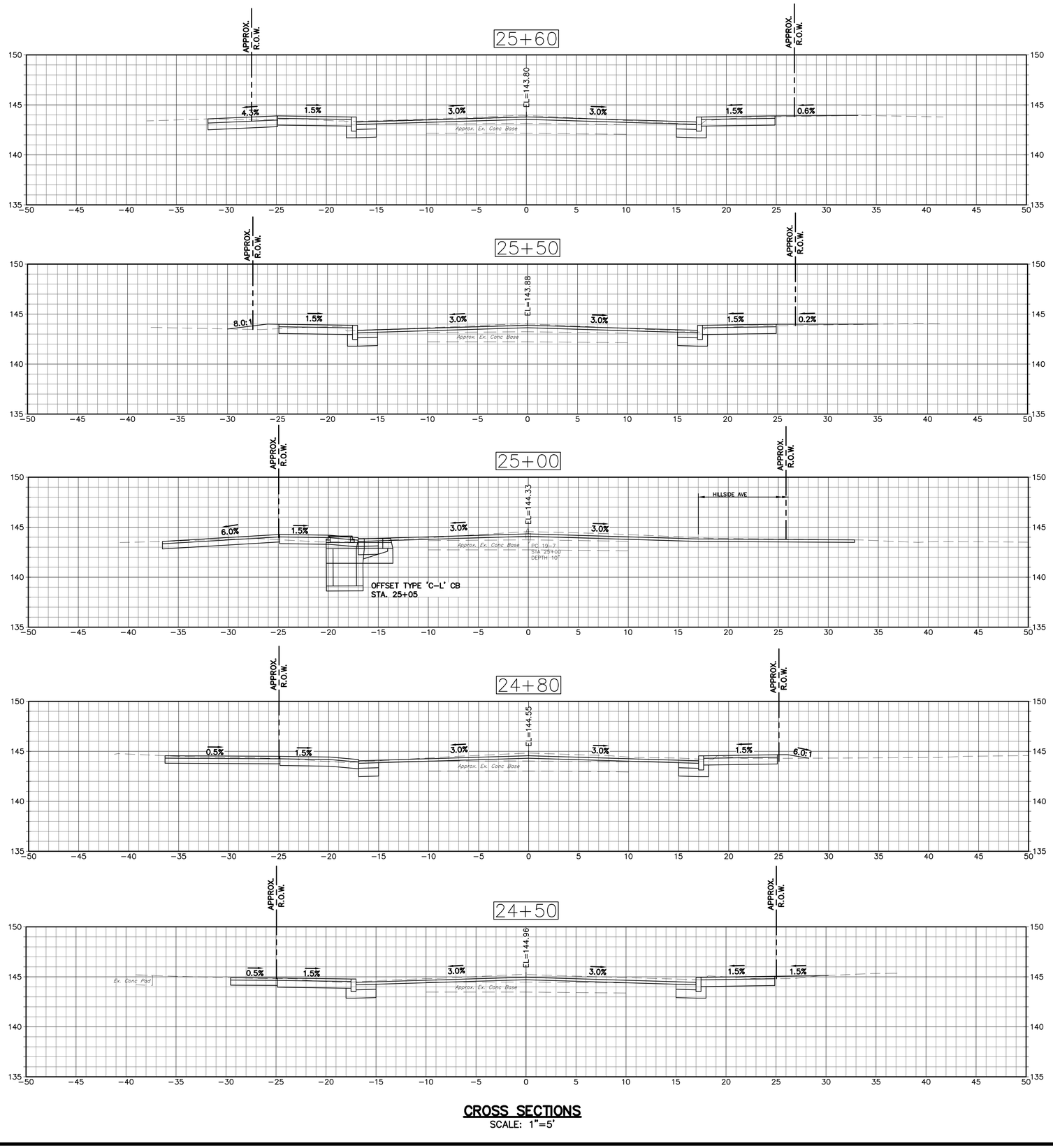

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TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 24+50 – STA. 25+60

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO. XSC-18

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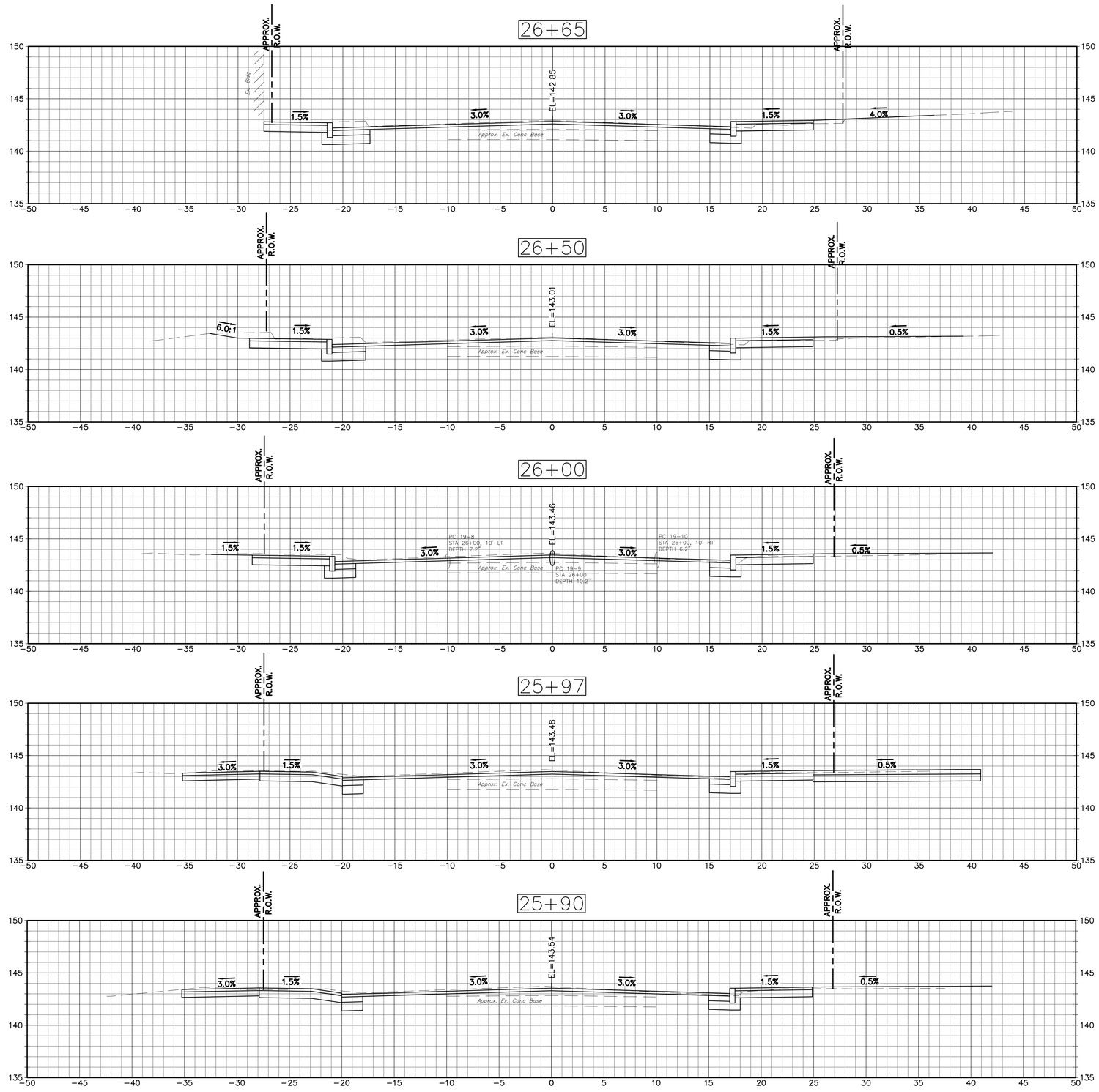

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 25+90 – STA. 26+65

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

XSC-19

FILE NO.

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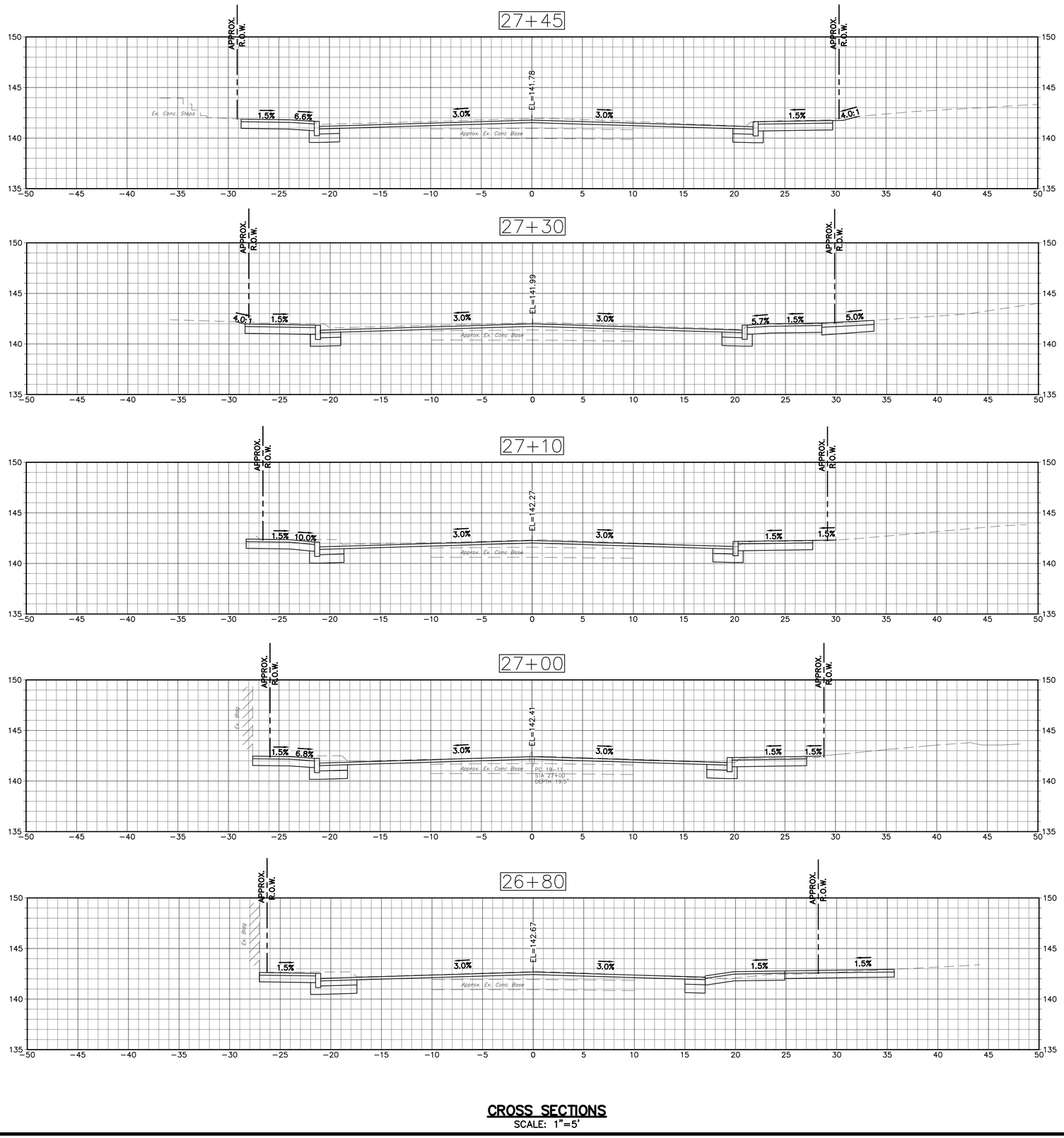

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PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 26+80 – STA. 27+50

CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180677	NSD	LAS	ALN	ALN

FILE NO.

XSC-20

SHEET 58 OF 62

\\wwd03.local\WSE\Projects\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\Plantsville XSC.dwg



CROSS SECTIONS
SCALE: 1"=5'

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Weston & Sampson
712 Brook Street, Suite 103, Rocky Hill, CT 06067
860.513.1473
800.SAMPSON
www.westonandsampson.com

No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P R O V E D			

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 27+30 – STA. 27+70

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

XSC-21

FILE NO.

SHEET 59 OF 62

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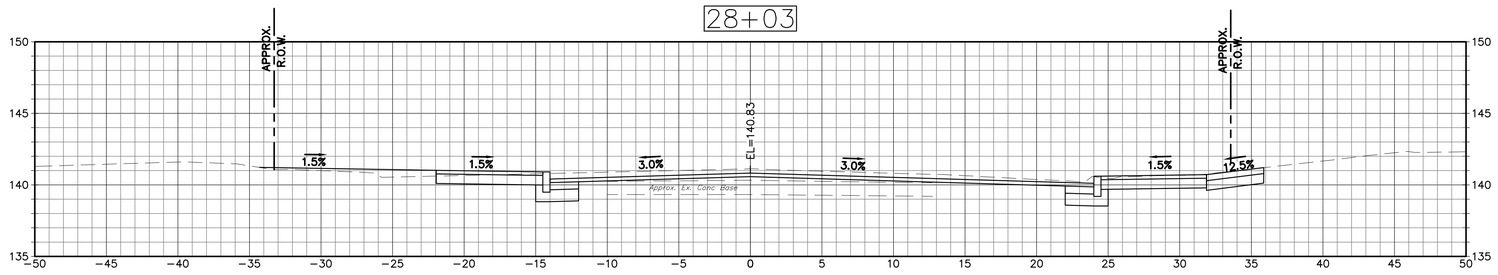

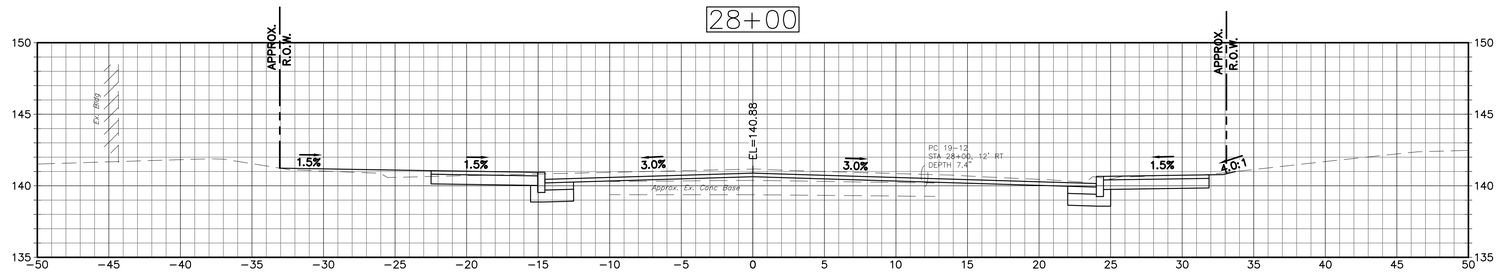

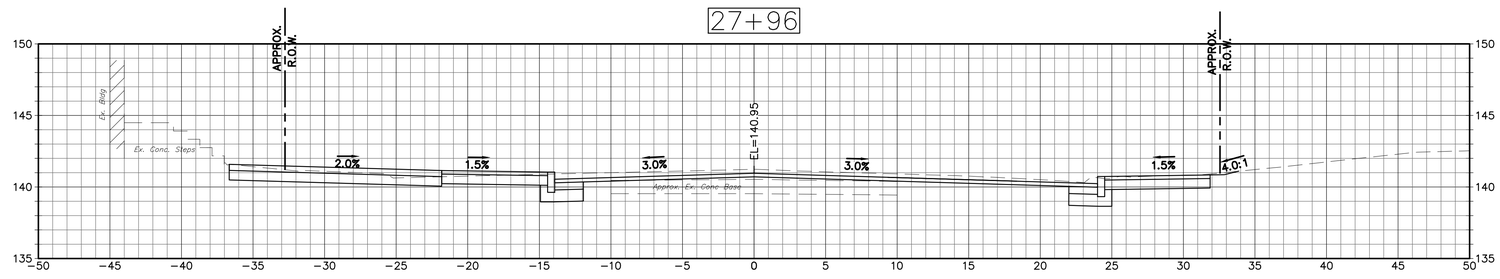

CROSS SECTIONS
SCALE: 1"=5'

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No.	Date	Description	Dr.By	Ck.By	App.By
A	P	P R O V E D			

REGISTERED PROFESSIONAL ENGINEER

DATE

TOWN OF SOUTHINGTON

PLANTSVILLE SAFETY IMPROVEMENTS L131-0002

CROSS SECTIONS SOUTH MAIN STREET (ROUTE 10) STA. 27+96 – STA. 28+03

CADD NO.	SCALE: AS SHOWN	CONTRACT:	JOB NO. 2180677	DR.BY NSD	DSN.BY LAS	CHK.BY ALN	APP.BY ALN

XSC-22

FILE NO.

\\wse03.local\WSE\Projects\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\Plantsville XSC.dwg

MOVEMENT DIAGRAM

NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8					
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #																												
INTERVALS	MIN GRN																											
	WALK																											
	PED CLR																											
	VEH EXT																											
	MAX 1																											
	MAX 2																											
	YELLOW																											
	RED																											
	ADD INIT																											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
MODE																												
INIT START																												

TECHNICAL NOTES

- STANDARD OVERLAP SKIP FEATURES APPLY
- RECTANGULAR RAPID FLASHERS TO FLASH FOR 17 SECONDS UPON ACTUATION. (12-21 SECONDS ADJUSTABLE.)
- 17 SECOND TIMER SHOULD RESET UPON EACH ACTUATION.
- SPEECH MESSAGE "YELLOW LIGHTS ARE FLASHING" SHALL BE SPOKEN TWICE UPON PUSHBUTTON ACTUATION.

OFFICE RECORD

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

INSTALLED RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY

PROJECT L131-0002

CONSTRUCTION NOTES:

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT DOT DOCUMENTS WHICH CAN BE ACCESSED ON THE DOT WEBSITE.

- STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION (FORM 817)
- SUPPLEMENTAL SPECIFICATIONS TO FORM 818
- SPECIAL PROVISIONS TO FORM 818
- STANDARD INSTALLATION AND GUIDELINE DETAIL SHEETS.

ALL TRAFFIC EQUIPMENT IS NEW.

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

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

THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NO LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE TOWN.

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

RELOCATE SIGNS (D) AND INSTALL RRFBs ON NEW PEDESTALS AS SHOWN. RELOCATE WARNING SIGNS.

INSTALL RRFB ASSEMBLIES ON 16' PEDESDTALS.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO THE LANDING AREAS.

SEE SPECIAL PROVISION ITEM 1117111-A RECTANGULAR RAPID FLASHING BEACON - TYPE B.

RECTANGULAR RAPID FLASHING BEACON TO BE PEDESTRIAN ACTUATED, SOLAR POWERED AND WIRELESS ACTIVATED.

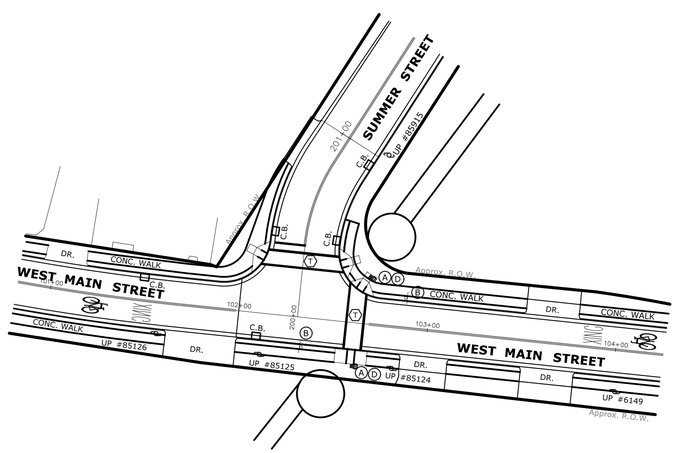
TRIM VEGETATION THAT IMPACTS ANY PROPOSED OR EXISTING SIGN ASSOCIATED WITH THE RRFB.

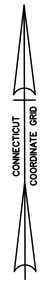
SIGN LEGEND:

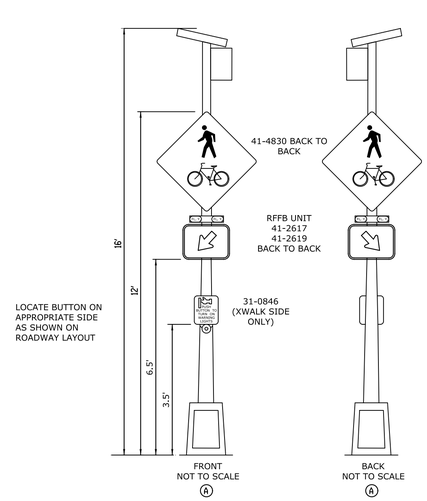
(A) INSTALL RECTANGULAR RAPID FLASHING BEACON ASSEMBLY TYPE B
TOWN OWNED AND MAINTAINED

(B) INSTALL  31-0510

(D) RELOCATE  W11-15







RRFB ASSEMBLY TYPE B
DETAILS NOT TO SCALE

TOWN RRFB ASSEMBLY 6/21/21

NOTES:

(T) DECORATIVE CROSSWALK - TOWN MAINTAINED

	TRAFFIC DESIGN	ELECTRICAL DESIGN
ENGINEER		
DRAWN BY	WESTON & SAMPSON	WESTON & SAMPSON
CHECKED BY		
SUBMITTED BY		
APPROVED BY		
APPROVED DATE	_/_/_	_/_/_

REV # INTERSECTION # 131-XXX

RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (RRFB)

ENERGY BY: SOLAR POWERED | ADDRESS #

MAINT LEVEL: N/A | SERVICE POLE: SOLAR

UNMETERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R, Y, G RED, YEL, GRN
R RED ARROW
Y YELLOW ARROW
G GREEN ARROW
W@ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING
BACK TO BACK RRFB

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

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

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

- VC VIDEO CAMERA CABLE
- CABLE CLOSURE
- WIRELESS SENSOR
- WIRELESS RECEIVER
- WIRELESS TRANSCEIVER
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

DATE PLOTTED : 8/16/2022 P:\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\DGN\RRFB Model_01.dgn

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

WEST MAIN STREET AT SUMMER STREET
SOUTHINGTON, CT

SCALE 1" = 40'

TOWN: **SOUTHINGTON**

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO. L131-0002
DRAWING NO. T-1
SHEET NO. 61

MOVEMENT DIAGRAM

		NTOR	PHASE 1			PHASE 2			PHASE 3 PRE-EMPT 1			PHASE 4 PRE-EMPT 2			PHASE 5			PHASE 6			PHASE 7			PHASE 8					
		FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #	1	R				←G	Y	R	R	R	R	R	R	R	R	R	R											
	2	R				G	Y	R	R	R	R	R	R	R	R	R	R											
	3	R				R	R	R	G	Y	R	R	R	R	R	R	R											
	4	R				R	R	R	R	R	R	G	Y	R	R	R	R											
	5	R				R→	R→①	R→②	G	Y ③	R ④	R	R	R	R	R	R											
	6	R				R	R	R	R→	R→⑤	R→⑥	G	Y	R	R	R	R											
	P	OFF				←			DW		→				WØ	←	DW	→										
INTERVALS	MIN GRN					15			9			9			7 ⑦													
	WALK														11 ⑧		ACCESSIBLE PEDESTRIAN SIGNAL											
	PED CLR																											
	VEH EXT					2			2			3																
	MAX 1					40			25			25																
	MAX 2					40			25			25																
	YELLOW						3.9			3.0			3.3			4.0												
	RED							2.0			1.1			1.4			0.0											
	ADD INIT																COUNTDOWN PEDESTRIAN SIGNAL											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
MODE			OFF			MIN RECALL			LOCK			LOCK			NON-LOCK			OFF			OFF			OFF			OFF		
INIT START						THIS PHASE																						

DETECTORS				SYSTEM LOC	COORDINATION TYPE: NONE			CYCLE	OFFSET	
IDENT	SIZE (WXL)	TYPE	MODE	MASTER	PROGRAM FUNCTION	PROGRAM TIME	DAYS		SEC	%
D2	10' X 50'	360 VIDEO	PRESENCE		FLASH	NONE				
D3	10' X 50'	360 VIDEO	PRESENCE		MAX 1	ALL TIMES				
D3A	10' X 50'	360 VIDEO	PRESENCE		MAX 2	FUTURE				
D4	10' X 50'	360 VIDEO	PRESENCE							
D4A	10' X 50'	360 VIDEO	PRESENCE							

SIGN LEGEND

- (A) MAST ARM MTD. 31-0824 (NTOR)
- (B) 31-0290 (↖ ↗)
- (C) MAST ARM MTD. 31-0823 (NTOR)
- (D) 31-0223 (↑ ↗)

NOTES:

STATE TO MAINTAIN PAVEMENT MARKINGS AND SIGNS ON ROUTE 10 AND ALL STOP BARS.

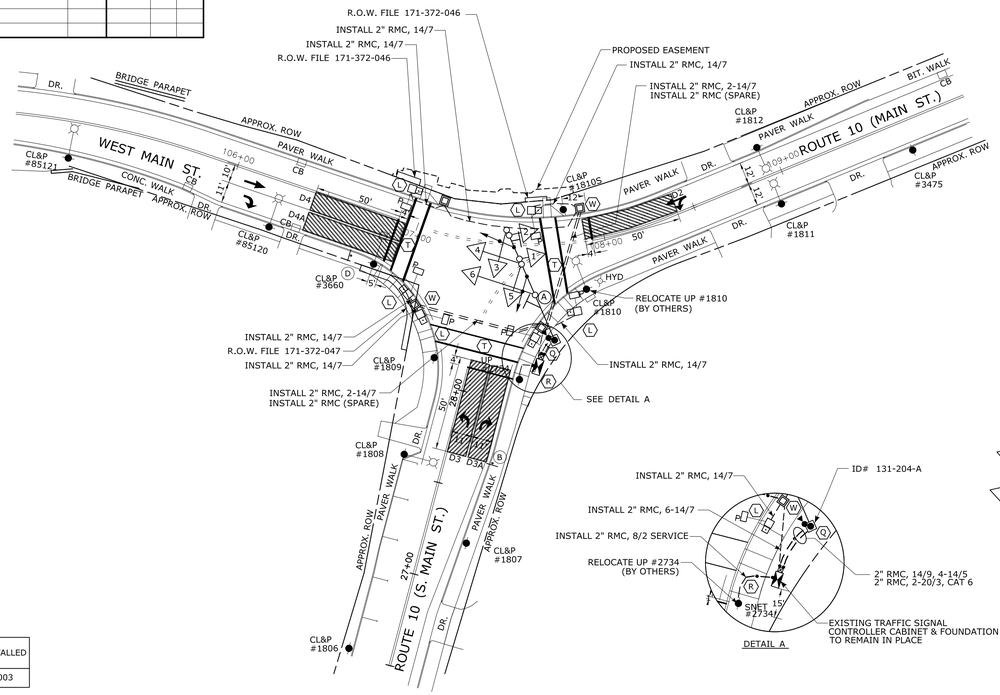
TOWN TO MAINTAIN ALL OTHER PAVEMENT MARKINGS ON WEST MAIN ST.

TOWN OF SOUTHINGTON TO OWN AND MAINTAIN EMERGENCY PRE-EMPTION EQUIPMENT.

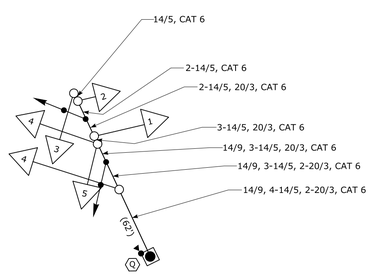
(T) DECORATIVE CROSSWALK (8' MIN.) - TOWN MAINTAINED.

(W) 30" X 30" CONCRETE HANDHOLE, ALL OTHERS TYPE II.

(Q) VIDEO DETECTION BY USE OF 360 VIDEO CAMERA MOUNTED ON EXISTING MAST ARM



DETAIL A



ELECTRICAL CALLOUTS FOR MAST ARM
NO SCALE

MAST ARM INFORMATION

ID#	SHAFT LENGTH	SHAFT B.C.	ARM LENGTH	MIN. EQUIVALENT END LOAD FORCE (LBS)	MIN. EQUIVALENT END LOAD AREA (SF)	INSTALLED
131-204-A	21'	22"	62'	450	40	2003

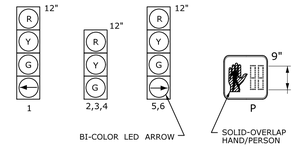
TECHNICAL NOTES

- STANDARD OVERLAP SKIP FEATURES APPLY
- UPGRADED PEDESTRIAN AMENITIES UNDER PERMIT.
- D3A TO EXTEND PHASE 2 ONLY.
- (1) TO BE R → IF PHASE 3 IS SKIPPED.
- (2) TO BE R IF PHASE 3 IS SKIPPED.
- (3) TO BE Y→ IF PHASE 2 IS NEXT.
- (4) TO BE R→ IF PHASE 2 IS NEXT.
- (5) TO BE R → IF PHASE 4 IS SKIPPED.
- (6) TO BE R IF PHASE 4 IS SKIPPED.
- (7) PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.
- (8) COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CNANGE INTERVAL.

OFFICE RECORD

REV #	TIR # N/A	SM #	SIGNAL REVISED:
UPGRADED PEDESTRIAN AMENITIES UNDER PERMIT.			

SIGNAL FACES



ALL INDICATIONS HAVE TUNNEL VISORS AND LED LAMPS.

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	11	11
HOLD GREEN	15	15
HOLD YELLOW	3.0	3.3
HOLD RED	1.1	1.4
HOLD PHASE	3	4
EXIT PHASE	4	2
EXIT CALL	NONE	NONE

CONSTRUCTION NOTES

GENERAL NOTES:

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING, EXCEPT AS NOTED.

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE:

- * STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION,
- * SUPPLEMENTAL SPECIFICATION TO THE STANDARD SPECIFICATION,
- * SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS,
- * STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.

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

CONTRACTOR TO STAKE ALL R.O.W PRIOR TO EXCAVATION.

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

MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES, SUPPLY 5 COPIES OF REVISED CABINET WIRING DIAGRAMS AND AN ELECTRONIC PDF COPY TO DOT.TRAFFICELECTRICAL@CT.GOV.

ALL PEDESTRIAN PUSH BUTTONS TO BE "ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)". INSTALL SIGN NO. 31-0845 WITH APPROPRIATE ARROW AT PEDESTRIAN PUSH BUTTON LOCATIONS

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.

REMOVE ALL ABANDONED 14/2 CABLES, CONDUIT, AND HANDHOLES DUE TO THE REMOVAL OF LOOP DETECTORS.

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

MODIFY CONTROLLER FOUNDATION TO ACCEPT NEW CONDUIT. PROPOSED ELEVATIONS DO NOT WARRANT A RESET OF THE FOUNDATION OR CABINET.

(L) INSTALL PEDESTAL FOUNDATION, PEDESTAL, APS AND COUNTDOWN PEDESTRIAN SIGNAL ADJACENT TO LANDING AREA.

(Q) VIDEO DETECTION BY USE OF 360 VIDEO CAMERA MOUNTED ON EXISTING MAST ARM

(R) EXTEND EXISTING CONDUIT AND SERVICE TO RELOCATED POLE #2734.

(W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS TYPE II.

ALL SIDEWALK RAMPS TO BE INSTALLED AS SHOWN ON PROJECT CONSTRUCTION PLANS.

ALL SIGNING AND PAVEMENT MARKINGS TO BE INSTALLED AS SHOWN ON PROJECT CONSTRUCTION PLANS.

INSTALL CAST IRON HANDHOLE COVER FOR ALL HANDHOLES WITHIN SIDEWALK.

VIDEO DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.

TEMPORARY SIGNALIZATION NOTES

THE CONTRACTOR SHALL PROVIDE ALL MAINTENANCE, REPAIR, AND REPLACEMENT OF TRAFFIC SIGNAL EQUIPMENT TO MAINTAIN CONTINUOUS SIGNAL OPERATION.

THE CONTRACTOR SHALL ADJUST SIGNAL TIMINGS THROUGHOUT CONSTRUCTION AS NEEDED AND AS DIRECTED.

LOOP DETECTOR NOTES:

EXISTING LOOP DETECTORS WILL BE REMOVED AS PART OF THE ROADWAY MILLING OPERATIONS

	TRAFFIC DESIGN	ELECTRICAL DESIGN
ENGINEER		
DRAWN BY		
CHECKED BY		
SUBMITTED BY		
APPROVED BY		
APPROVED DATE		

WESTON & SAMPSON

REV # INTERSECTION #131-204

ENERGY BY - TOWN | ADDRESS #

MAINT LEVEL 5 | SERVICE POLE - SNET 2734

UNMETERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:

R, Y, G RED, YEL, GRN
R RED ARROW
Y YELLOW ARROW
G GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL FACE
- DET. LEADS IN SAW CUT
- PROPOSED RMC (RIGID METAL CONDUIT)
- EXISTING RMC (RIGID METAL CONDUIT)
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET
- VIDEO DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- LOOP DETECTOR
- SD SYSTEM DETECTOR
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- AUDIO DETECTOR
- VC VIDEO CAMERA CABLE
- CABLE CLOSURE
- WIRELESS SENSOR
- WIRELESS RECEIVER
- WIRELESS TRANSMITTER
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

DATE PLOTTED : 8/16/2022 P:\CT\Southington CT\2180677_Plantsville Safety Improvements\CAD\DGN\017_TR_ASSET_131_204.dgn

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TOWN OF SOUTHINGTON
ROUTE 10 (MAIN ST AND SOUTH MAIN ST)
AT WEST MAIN ST

SCALE 1" = 40'

TOWN: SOUTHINGTON

PROJECT NO. L131-0002

DRAWING NO. T-2

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

SHEET NO. 62