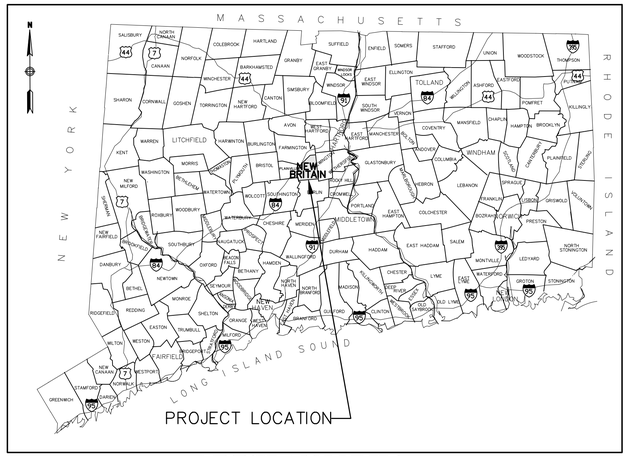
\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\te\planset\TLS-43435.dwg

CITY OF NEW BRITAIN, CT
MYRTLE STREET
COMPLETE STREETS IMPROVEMENTS
LOTCIP PROJECT NO: L088-0006
TOD PROJECT NO: 088-199



PROJECT ROADWAY MAP
1' = 500'



LOCATION MAP

TECHNICAL SPECIFICATIONS: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 819, AND AS SUPPLEMENTED IN THE SPECIAL PROVISIONS, AS WELL AS THE CITY OF NEW BRITAIN STANDARD CONSTRUCTION DETAILS AND CODE REQUIREMENTS FOR IMPROVEMENTS WITHIN THE CITY RIGHT-OF-WAY.

DESIGN STANDARDS: AASHTO POLICY ON THE GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, DATED 2004 AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL DATED 2023.

SURVEY: ALL COORDINATES ON THE PROJECT ARE BASED ON NAD 83. ALL ELEVATIONS ARE BASED ON NAVD 1988.

THE CITY OF NEW BRITAIN BIDDING AND OTHER INFORMATION AND DOCUMENTS WHICH ARE OBTAINED THROUGH THE INTERNET, WORLD WIDE WEB SITES OR OTHER SOURCES ARE NOT TO BE CONSTRUED TO BE OFFICIAL INFORMATION FOR CONDUCTING OTHER BUSINESS WITH THE CITY OF NEW BRITAIN.

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE CITY OF NEW BRITAIN.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE CITY OF NEW BRITAIN TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

THE ROADWAY, PAVEMENT MARKINGS, SIDEWALK, STAMPED ASPHALT, BUS SHELTER, TREES, AND TRAFFIC SIGNALS SHALL BE MAINTAINED BY THE CITY OF NEW BRITAIN.

CONTENTS

01	TITLE SHEET
02	GENERAL NOTES
03 - 04	TYPICAL SECTION
05 - 11	MISCELLANEOUS DETAILS
12 - 18	EXISTING CONDITIONS PLANS
19 - 25	CONSTRUCTION PLANS
26 - 27	INTERSECTION GRADING PLANS
28 - 34	SIGNAGE & PAVEMENT MARKING PLANS
35 - 41	PLANTING & LIGHTING PLANS
42 - 43	TRAFFIC CONTROL SIGNAL PLANS

CTDOT STANDARD SHEETS

HW-0586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"
HW-0586_07a	CATCH BASIN TOPS TYPE "C" AND "C-L"
HW-0586_08	CATCH BASIN FRAMES AND GRATES
TR-1002_01	TRAFFIC CONTROL FOUNDATIONS
TR-1010_01	CONCRETE HANDHOLE
TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS
TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS
TR-1107_01	PEDESTRIAN PUSH BUTTON
TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS
TR-1210_08	PAVEMENT MARKINGS ON NON FREEWAYS
TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RAILROAD GRADE CROSSINGS
TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

ERIN STEWART
MAYOR

MARK MORIARTY, P.E.
DIRECTOR OF PUBLIC WORKS

MARCH, 2025

90% DESIGN SUBMISSION

DESIGNED BY: VHB
100 GREAT MEADOW ROAD, SUITE 200
WETHERSFIELD, CT 06109
860-807-4300

STEVE O'NEILL, PE - VHB
DIRECTOR OF TRANSPORTATION ENGINEERING

APPROVED BY:

(CITY OFFICIAL)
CITY OF NEW BRITAIN

VHB Project No. 43435.00
Myrtle Street - New Britain, CT
Not Issued for Construction

LEGEND

- CATCH BASIN
- RD ROOF DRAIN
- MANHOLE
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- WATER MANHOLE
- GATE BOX (WATER)
- FIRE HYDRANT
- GATE BOX (GAS)
- STREET SIGN
- TEST PIT
- LIGHT POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- GUY POLE OR WIRE
- BOLLARD/POST
- 100.0 SPOT ELEVATION
- MB MAILBOX
- V VAULT
- TRAVERSE POINT
- SHRUBS
- DECIDUOUS TREE
- EVERGREEN TREE

- DRAINAGE EASEMENT
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- EDGE OF TRAVELED WAY
- CURB
- STEEL GUIDE RAIL
- BARBED WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- UNDERGROUND DRAINAGE LINE
- UNDERGROUND SEWER LINE
- OVERHEAD WIRE
- E UNDERGROUND ELECTRIC LINE
- G UNDERGROUND GAS LINE
- W UNDERGROUND WATER LINE
- T UNDERGROUND TELEPHONE LINE
- TREE LINE
- UD UNDERDRAIN
- LIMIT OF WORK
- ROW

ABBREVIATIONS

ACR	ACCESSIBLE CURB RAMP
AD\BE	AS DIRECTED BY ENGINEER
AO\BE	AS ORDERED BY ENGINEER
@	BASELINE
BB	BITUMINOUS BERM
BC/BCLC	BITUMINOUS CURB
BIT	BITUMINOUS
BOC	BACK OF CURB
BOW	BACK OF WALK
BWL	BROKEN WHITE LINE
BYL	BROKEN YELLOW LINE
CB	CATCH BASIN
CC	CONCRETE CURB
CLF	CHAIN LINK FENCE
CCM	CORRUGATED METAL PIPE
COMM	COMMERCIAL
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
D	DRAIN LINE
DBL	DOUBLE
DIP	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
DWG	DRAWING
DWY	DRIVEWAY
DYL	DOUBLE YELLOW LINE
E	ELECTRIC LINE
ELEV.	ELEVATION
EMH	ELECTRIC MANHOLE
EP	EDGE OF PAVEMENT
EX\EXIST	EXISTING
FA	FIRE ALARM
FES	FLARED END SECTION
F.F.E.	FINISH FLOOR ELEVATION
FL	FLOW LINE
FOC	FACE OF CURB
G	GAS LINE
GG	GATE BOX (GAS)
GTD	GRADE TO DRAIN
HMA	HOT MIX ASPHALT
HYD	HYDRANT
INV=/I=	INVERT ELEVATION
INT	INTERMEDIATE
LT	LEFT
MH	MANHOLE
MW	MONITORING WELL
O/H	OVERHEAD
OHW	OVERHEAD LINE
℄	PROPERTY LINE
PED	PEDESTRIAN
PERP	PERPENDICULAR
PGL	PROFILE GRADE LINE
PIV	POST INDICATOR VALVE
PVC	POLYVINYLCHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RES	RESIDENTIAL
RIM=/R=	RIM ELEVATION
ROW	RIGHT OF WAY
RT	RIGHT
S	SEWER LINE
SB	STREET BOUND
SCE	SLOPED CONCRETE EDGING
SCC	SLOPED CONCRETE CURB
SGE	SLOPED GRANITE EDGING
SMH	SEWER MANHOLE
STA	STATION
SWK	SIDEWALK
SWL	SINGLE WHITE LINE
SYL	SINGLE YELLOW LINE
T	TELEPHONE LINE
TMH	TELEPHONE MANHOLE
TP	TEST PIT
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY PIPE
VGC	VERTICAL GRANITE CURB
W	WATER LINE
WG	GATE BOX (WATER)
WMH	WATER MANHOLE

GENERAL UTILITY NOTES:

1. THE LOCATION OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES HAS BEEN COMPILED FROM THE BEST AVAILABLE INFORMATION EXCEPT WHERE TEST PITS WERE DUG. THIS INFORMATION WAS COMPILED UTILIZING UTILITY COMPANY AND TOWN RECORD MAPS AND FIELD SURVEY AND THEREFORE, IS CONSIDERED TO BE APPROXIMATE. ALL UTILITIES AND UNDERGROUND STRUCTURES MAY NOT BE SHOWN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. UTILITY LINES DAMAGED BY THE CONTRACTOR SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE UTILITY COMPANY AND THE COST OF REPAIR WORK SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT CALL-BEFORE-YOU-DIG AT 811 (OR VISIT CBYD.COM) FOR MARKING OF EXISTING UTILITIES AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF ANY EXCAVATION.
3. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF NECESSARY RELOCATIONS IF REQUIRED AND SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF THE UTILITY COMPANIES. ALL REQUIRED UTILITY RELOCATIONS SHALL BE PERFORMED BY THE RESPECTIVE UTILITY COMPANY UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO STARTING ANY WORK AND COORDINATE HIS WORK WITH THE UTILITY COMPANY WORK. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE RESPECTIVE UTILITY COMPANY TO HOLD ANY POLES THAT NEED TO BE SUPPORTED DURING THE CONTRACTOR'S TRENCHING OPERATIONS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING UTILITIES WHEN INSTALLING PIPE AND STRUCTURES. THE CONTRACTOR SHALL HAND DIG AROUND EXISTING UTILITIES AND PROVIDE SHORING OR TEMPORARY SUPPORT WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES TO PROTECT SUCH UTILITIES. THE CONTRACTOR SHALL NOT BE ELIGIBLE FOR ANY ADDITIONAL COMPENSATION FOR EXTRA WORK REQUIRED TO PROTECT EXISTING UTILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE UTILITY COMPANIES TO RESET ALL UTILITY BOXES, MANHOLE FRAMES/COVERS AND/OR HANDHOLES TO FINISHED GRADE. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE APPROPRIATE UTILITY COMPANY FOR THE ADJUSTMENT OF ANY GATE BOXES AND VALVES. ADJUSTMENT OR RESETTING OF PRIVATE UTILITY STRUCTURES SHALL BE PERFORMED BY THE UTILITY COMPANIES AT NO COST TO THE CITY.
7. WHENEVER A DRAINAGE STRUCTURE IS CONSTRUCTED WITHIN 12" OF A WATER MAIN, THE CONTRACTOR SHALL PLACE 2 INCH THICK STYROFOAM (OR EQUIVALENT) INSULATION AROUND THE ADJACENT WATER MAIN. THE WATER MAIN AND BACKFILL SHALL BE SUPPORTED AT ALL TIMES DURING EXCAVATION AND PLACEMENT OF THE DRAINAGE STRUCTURE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT COST OF THE DRAINAGE ITEM.
8. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR REMOVAL OF ANY EXISTING ABANDONED UTILITY LINES ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION. THE CONTRACTOR SHALL NOT BE ELIGIBLE FOR ANY ADDITIONAL COMPENSATION FOR EXTRA WORK REQUIRED FOR REMOVAL OF ANY EXISTING ABANDONED UTILITY LINES. EACH RESPECTIVE UTILITY COMPANY SHALL BE RESPONSIBLE TO PROVIDE A MEANS OF DISPOSAL AND TO COORDINATE WITH THE CONTRACTOR FOR REMOVAL OF ANY EXISTING UNDERGROUND UTILITY LINES WHO'S MATERIAL MAY BE CONSIDERED TO BE HAZARDOUS. THE CONTRACTOR SHALL PLUG THE ENDS OF EXISTING ABANDONED UTILITY LINES THAT ARE TO REMAIN BURIED WITH APPROPRIATE END CAPS PROVIDED BY THE UTILITY. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK, BUT SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS COMPRISING THE WORK.
9. THE UTILITY COMPANY SHALL RELOCATE OR ADJUST PRIVATELY OWNED UTILITY SERVICE CONNECTIONS ENCOUNTERED DURING CONSTRUCTION AT NO COST TO THE CITY. ELEVATIONS OF ALL RELOCATED OR ADJUSTED UTILITIES SHALL FOLLOW THE PROPOSED GRADE, UNLESS OTHERWISE NOTED ON THE PLANS. THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT AND SHALL NOT BE MEASURED FOR PAYMENT.
10. ANY EXISTING SANITARY SEWER LATERALS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION MUST BE REPLACED AT THE CONTRACTORS EXPENSE.
11. THE CONTRACTOR SHALL TAKE PRECAUTION TO PREVENT DAMAGE TO EXISTING UNDERGROUND UTILITIES WHEN OPERATING HEAVY MACHINERY SUCH AS VIBRATORY ROLLERS.

GENERAL NOTES:

1. SURVEY INFORMATION IS BASED UPON A FIELD SURVEY PERFORMED BY VHB, IN JUNE OF 2024. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 1988). STREETLINE INFORMATION AS SHOWN ON THE PLANS IS BASED ON CLASS A-2 ACCURACY. NORTH ARROW AND BEARINGS BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (NAD 1983).
2. VHB ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
3. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 819, AND AS SUPPLEMENTED IN THE SPECIAL PROVISIONS.
4. ALL SLOPES OR DISTURBED AREAS ARE TO BE STABILIZED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND TURF ESTABLISHMENT. THE CONTRACTOR SHALL YORK RAKE THE TOPSOIL PRIOR TO TURF ESTABLISHMENT IF REQUIRED. THE COST OF YORK RAKING SHALL BE INCLUDED IN THE ITEM "FURNISHING AND PLACING TOPSOIL".
5. EXISTING CONCRETE MONUMENTS AND PROPERTY IRON PINS WHEN FOUND WITHIN THE WORK LIMITS SHALL BE LOCATED AND REPLACED IF DISTURBED. IF THE CONTRACTOR DISTURBS OR DAMAGES ANY IRON PIN OR MONUMENT OUTSIDE THE LIMITS OF WORK, THEY SHALL BE RESET BY A LICENSED SURVEYOR AT THE CONTRACTORS EXPENSE.
6. ALL TREE STUMPS SHALL BE REMOVED BY EXCAVATION AND THE DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS INCLUDES ANY TREES AND STUMPS DESIGNATED FOR REMOVAL THAT ARE LOCATED OUTSIDE THE LIMITS OF GRADING. ALL STUMP REMOVAL SHALL BE PAID FOR UNDER "CLEARING AND GRUBBING".
7. ANY MAINTENANCE OR REFUELING OF EQUIPMENT AND VEHICLES SHALL BE PERFORMED AT LEAST 50 FEET FROM WETLANDS OR WATERCOURSES. OIL, GASOLINE, AND CHEMICALS NEEDED AT THE SITE SHALL BE STORED IN A SECONDARY CONTAINER AT LEAST 50 FEET FROM WETLANDS OR WATERCOURSES AND OUTSIDE OF FLOODPLAIN AND FLOODWAY LIMITS TO PREVENT CONTAMINATION FROM POSSIBLE LEAKS.
8. EFFLUENT FROM DEWATERED WORK AREA(S) SHALL NOT BE DISCHARGED DIRECTLY TO A STREAM OR STORM DRAINAGE SYSTEM, BUT MUST BE PROCESSED THROUGH TREATMENT STRUCTURES(S). SUCH STRUCTURE(S) SHALL NOT BE LOCATED WITHIN A STREAM CHANNEL OR ADJACENT WETLANDS.
9. ALL APPROPRIATE EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO AND MAINTAINED THROUGHOUT ALL CONSTRUCTION PHASES.
10. DURING ALL PHASES OF CONSTRUCTION ACTIVITIES, ACCESS FOR THE PROPERTY OWNERS AS WELL AS ALL SERVICE VEHICLES SUCH AS MAIL, TRASH COLLECTION, FUEL DELIVERIES, ETC. SHALL BE MAINTAINED BY THE CONTRACTOR TO ABUTTING PROPERTIES WITHIN THE LIMITS OF THE WORK.
11. ALL CATCH BASIN TOP OF GRATE ELEVATIONS REFLECT THE DEPRESSED GRATE ELEVATION IN ACCORDANCE WITH THE STANDARD DETAILS.
12. ALL CATCH BASIN GRATES TO BE TYPE "A" GALVANIZED.
13. SILT SACKS MUST BE INSTALLED AT ALL EXISTING AND NEW CATCH BASINS WITHIN AND IMMEDIATELY ADJACENT TO THE PROJECT AREA AND SHALL BE PAID FOR UNDER "SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN".
14. IF AN EXISTING STORM SEWER IS TO BE REPAIRED, REPLACED, OR EXTENDED, IT IS A WORKING LINE AND MUST BE OPERATIONAL (CONTINUE TO FUNCTION) DURING EVENINGS AND WEEKENDS AS WELL AS ANY OTHER NON-WORKING HOURS.

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT. 1871

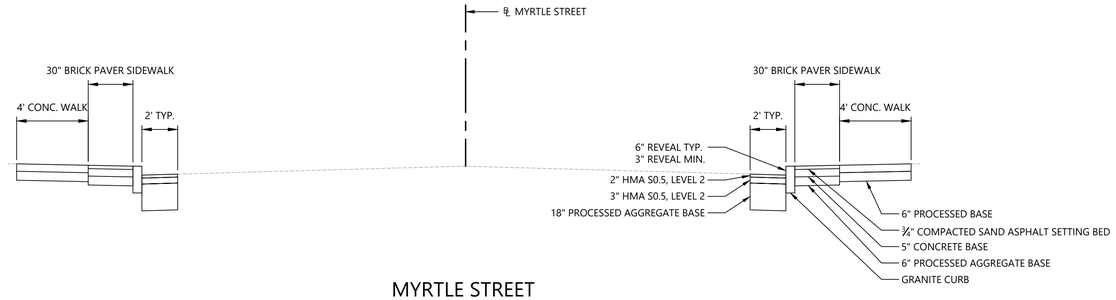
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MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

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TOWN: NEW BRITAIN, CONNECTICUT

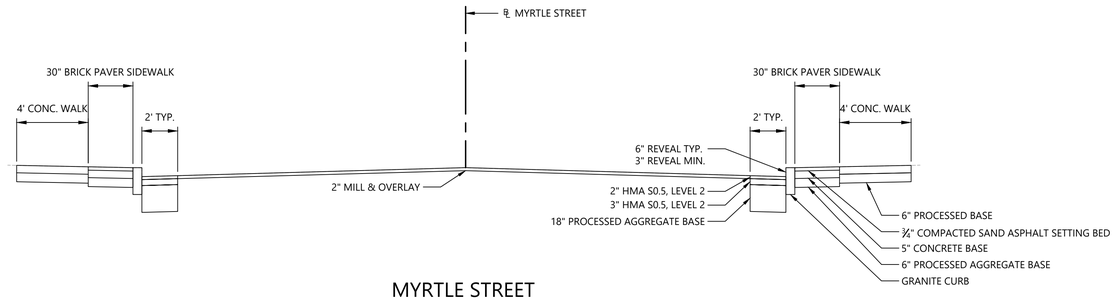
DRAWING TITLE: GENERAL NOTES, LEGEND, & ABBREVIATIONS

PROJECT NO.: 43435.00
DRAWING NO.: GNA-01
SHEET NO.: 2 OF 43



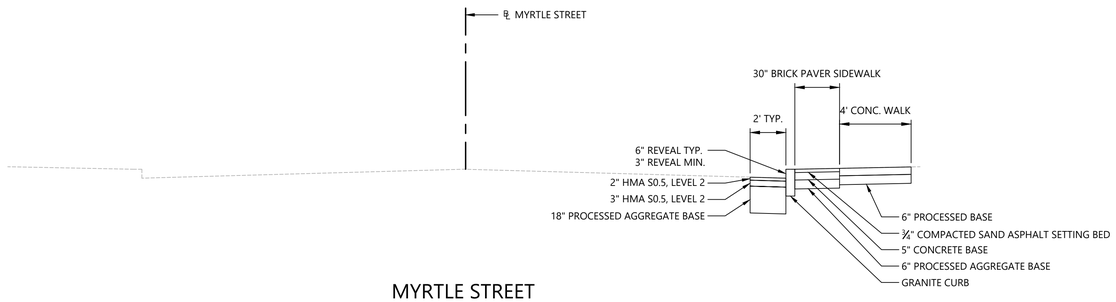
MYRTLE STREET
STA. 133+17 TO 159+00

SCALE: NTS



MYRTLE STREET
STA. 114+81 TO 132+35

SCALE: NTS



MYRTLE STREET
STA. 133+17 TO 151+00

SCALE: NTS

REV.	DATE	DESCRIPTION	SHEET. NO.
		REVISIONS	

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT. 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

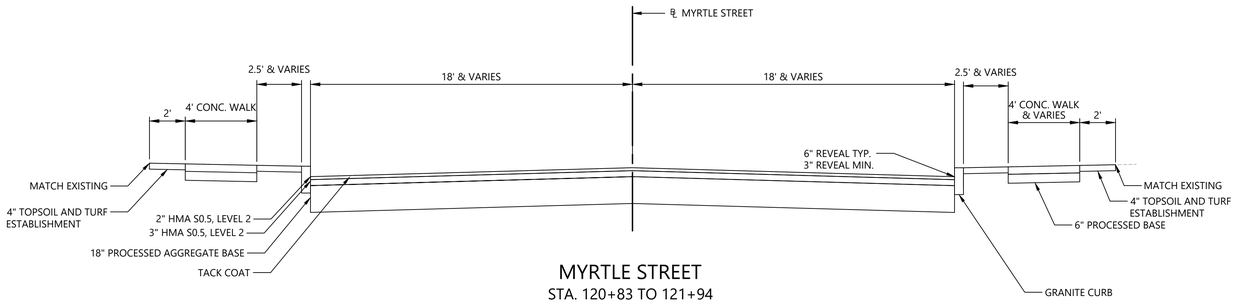
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TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
TYPICAL
SECTION

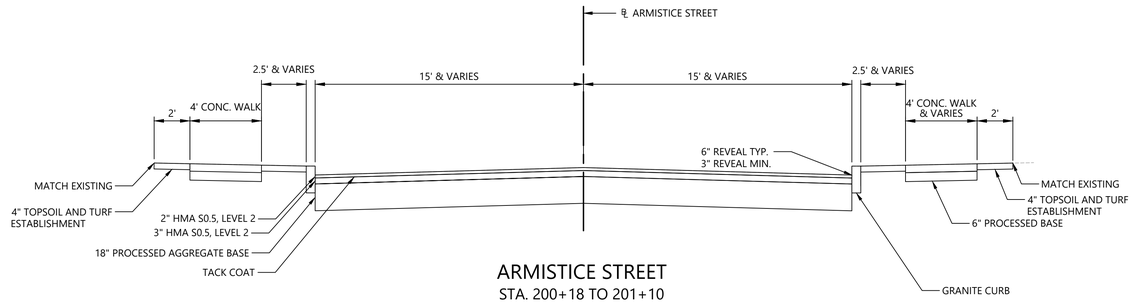
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SHEET NO.: 3 OF 43

Feb 28, 2025



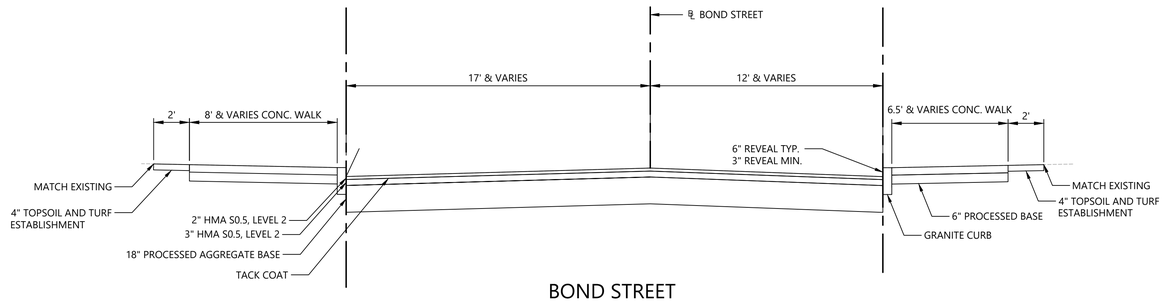
MYRTLE STREET
STA. 120+83 TO 121+94
STA. 132+35 TO 133+17

SCALE: NTS



ARMISTICE STREET
STA. 200+18 TO 201+10

SCALE: NTS



BOND STREET
STA. 300+17 TO 300+90

SCALE: NTS

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

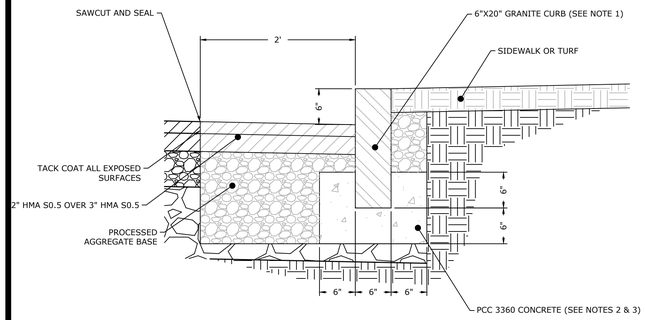
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TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
TYPICAL
SECTIONS

PROJECT NO.: 43435.00
DRAWING NO.: TYP-02
SHEET NO.: 4 OF 43

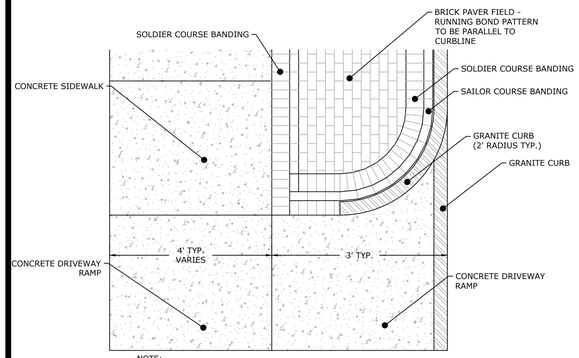
Feb 28, 2025



EXISTING ROAD

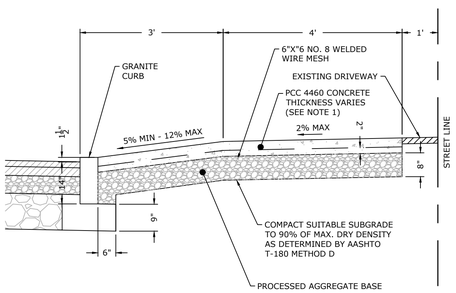
NOTE:
1. GRANITE CURB TO BE 6"X18" IN STRAIGHT SECTIONS AND 6"X20" IN CURVED SECTIONS
2. FOR STRAIGHT CURBING, PLACE CONCRETE ONLY AT JOINTS, REMAINDER PROCESSED AGGREGATE
3. FOR RADIUS CURBING (R<100') PLACE CONCRETE CONTINUOUS.
4. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN BINDER COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE SURFACE COURSE.
5. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

GRANITE CURB
NOT TO SCALE



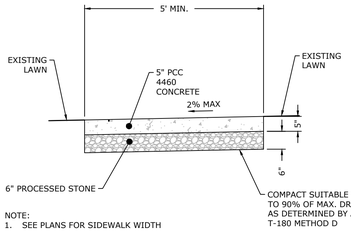
NOTE:
1. ALL PATTERNS TO BE INCLUDED IN COST OF BRICK PAVER SIDEWALK.
2. FIELD PATTERN TO BE APPROVED BY THE ENGINEER.
3. FULL PAVERS TO START AT EDGE CLOSEST TO STREET. CUT PAVER, WHEN REQUIRED, SHALL BE PLACED AT EDGE FURTHEST FROM THE STREET.
4. ALL PAVERS TO BE 4" X 8" UNLESS OTHERWISE NOTED ON THE PLANS.

CONCRETE DRIVEWAY RAMP AT BRICK PAVER SIDEWALK
NOT TO SCALE



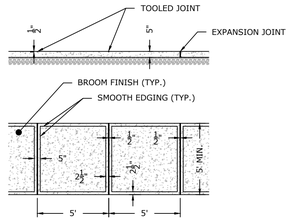
NOTE:
1. CONCRETE TO BE 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS
2. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS
3. DRIVEWAY WIDTHS - MIN. 10', MAX. 20'. DRIVEWAYS GREATER THAN 20' REQUIRE APPROVAL FROM THE CITY ENGINEER

CONCRETE DRIVEWAY RAMP
NOT TO SCALE



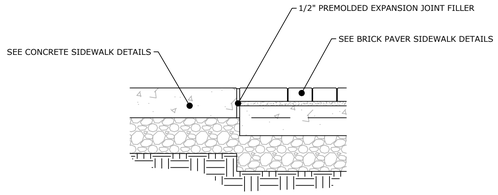
NOTE:
1. SEE PLANS FOR SIDEWALK WIDTH

CONCRETE SIDEWALK
NOT TO SCALE

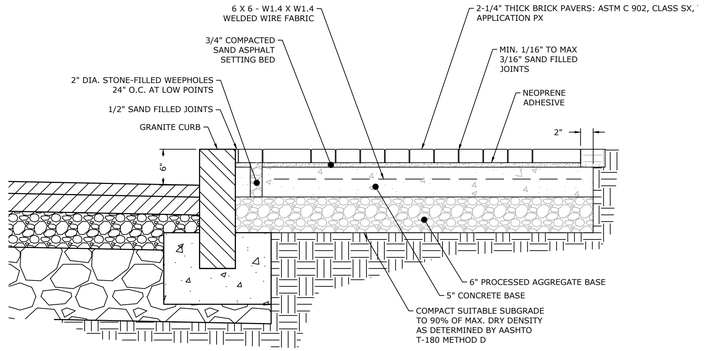


1. MAXIMUM 20' SPACING BETWEEN EXPANSION JOINTS FOR SIDEWALKS UP TO 7'. SIDEWALKS GREATER THAN 7' MAXIMUM SPACING OF 15'

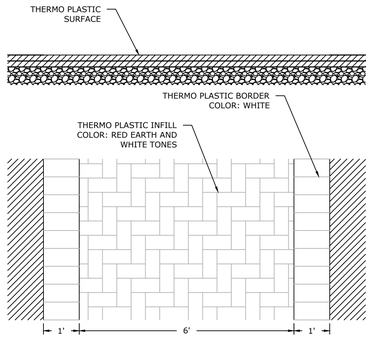
CONC. SIDEWALK JOINTING AND EDGING
NOT TO SCALE



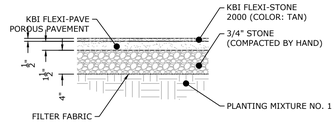
BRICK PAVER SIDEWALK AT CONCRETE SIDEWALK
NOT TO SCALE



BRICK PAVER SIDEWALK
NOT TO SCALE

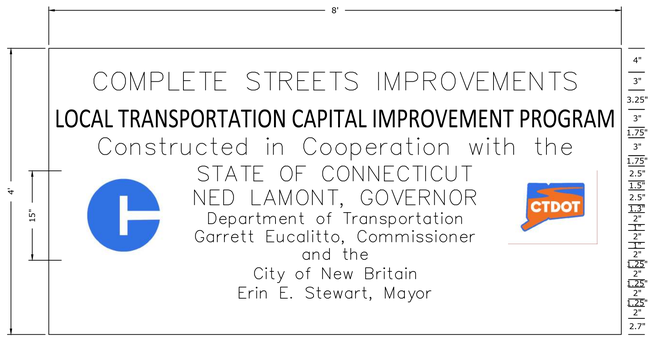


STAMPED BIT. CONC. CROSSWALK
NOT TO SCALE



TYPE II

FLEXI-PAVE PAVEMENT
NOT TO SCALE



NOTES:
CONTRACTOR TO SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL.
TO BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CONSTRUCTION SIGNS

SIGN PANEL: ⅜" MDO-EXT-APA PLYWOOD OR 0.125" THICK SHEET ALUMINUM. TOP OF SIGN AT 8'-0" ABOVE GRADE.
SIGN SUPPORT: ALL SUPPORTS SHALL HAVE BREAKAWAY FEATURES THAT SHALL BE STRUCTURALLY ADEQUATE TO WITHSTAND 60MPH WIND LOADING. A MINIMUM OF 2 FOOT EMBEDMENT BELOW GROUND LINE IS REQUIRED. MUST MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS"
COLORS: ALL LETTERS AND SYMBOLS ARE TO BE ROYAL BLUE. THE BACKGROUND WILL BE WHITE
ENAMEL: BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK.
TYPEFACE: HELVETICA MEDIUM
LOCATION: SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC.
THE SIGNS SHALL BE INSTALLED PARALLEL TO THE TRAVEL WAY, SO THEY ARE NOT EASILY VIEWABLE BY DRIVERS, AS THE SIGNS ARE NOT MUTCD COMPLIANT AND NOT INTENDED TO BE ROADWAY SIGNS. THE LATERAL OFFSET FROM THE EDGE OF ROAD TO THE FACE OF SIGN SHOULD BE 6-12 FEET. 12 FEET IS PROFFERED WHERE SPACE IS AVAILABLE FOR INSTALLATION. WHEN INSTALLED ON A TRAIL, THE LATERAL OFFSET SHOULD BE 2 FEET. THE BOTTOM OF THE SIGNS SHOULD BE MOUNTED 7 FEET ABOVE THE EDGE OF ROAD.
TIMING: INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION.

LOTCIP PROJECT SIGN
NOT TO SCALE

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN 1871

PROJECT TITLE: MYRTLE STREET COMPLETE STREET IMPROVEMENTS

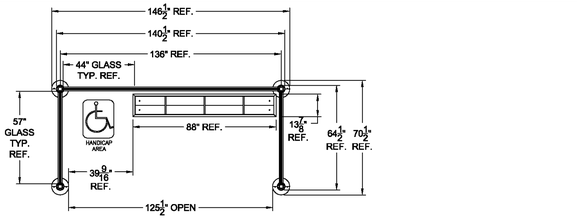
CADD FILENAME: MDS-43435.DWG

TOWN: NEW BRITAIN, CONNECTICUT

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: 43435.00
DRAWING NO.: MDS-01
SHEET NO.: 5 OF 43

Feb 28, 2025



QUANTITY (xx) SHELTERS THUS

SPECIFICATIONS:
-ALUMINUM STRUCTURE (ANODIZED OR POWDER COAT PAINTED)
-3/8" TEMPERED SAFETY GLASS OR 3/8" POLYCARBONATE
-BARREL VAULT ROOF WITH INTEGRATED RAIN GUTTER AND PERFORATED FOR LEAF DIVERSION
-24" X 36" SCHEDULE HOLDER
-88" ECLIPSE BENCH WITH HDPE BENCH SLATS

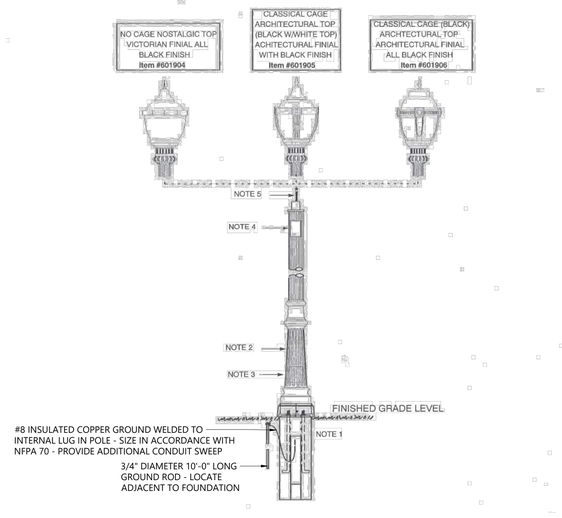
BRASCO INTERNATIONAL, INC.
32400 INDUSTRIAL DRIVE
MADISON HEIGHTS, MICHIGAN 48071
1-800-893-3665 WWW.BRASCO.COM

THIS DRAWING IS CONFIDENTIAL AND IS FOR THE SOLE USE OF OUR CUSTOMERS AND MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM BRASCO INTERNATIONAL. LEAD TIME BEGINS UPON RECEIPT OF SIGNED APPROVAL.

SIGNED:_____ DATE:_____

CUSTOMER:	GREATER HARTFORD			ENGINEER:	BMB/ZTL
				DATE:	4-15-14
PROJECT:	BARREL VAULT STYLE TRANSIT SHELTER			CHECKER:	X
				DATE:	X-X-X
MODEL:	ALINE SERIES - AL0612-BV-AC-25	JOB #	XXXX	SHEET #:	XXXX-1

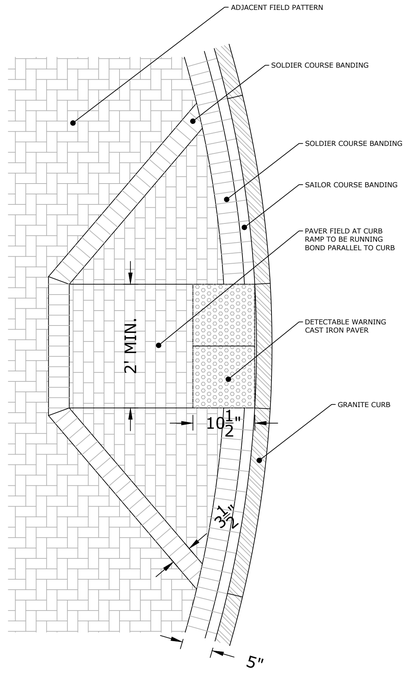
BUS SHELTER
N.T.S



NOTES:

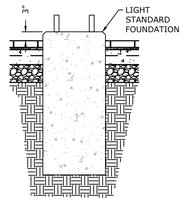
1. POLE IS SET ON CONCRETE BASE WHICH HAS A 14-INCH BOLT CIRCLE.
2. ACCESS DOOR TO UNDERGROUND CABLE AND PRE-WIRED POLE WIRING CONNECTIONS.
3. RECESSED DUPLEX RECEPTACLE.
4. FOUR CONDUCTOR QUICK DISCONNECT CONNECTOR.

51 WATT LED PREMIUM DECORATIVE POST TOP LUMINARIES - FOR INFORMATION ONLY
N.T.S.



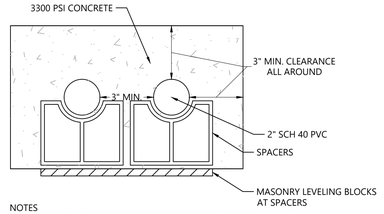
NOTE:
1. SEE CTDOT RAMP STANDARD DETAILS FOR SLOPED AND GRADING INFORMATION.
2. ALL BRICKS TO BE 4" X" 8" UNLESS OTHERWISE NOTED ON PLANS.
3. SEE PLANS FOR ADJACENT FIELD PATTERN TYPE.
4. BRICK PAVER SIDEWALK RAMP TO BE PAID FOR UNDER BRICK PAVER SIDEWALK.

BRICK PAVER SIDEWALK RAMP
NOT TO SCALE



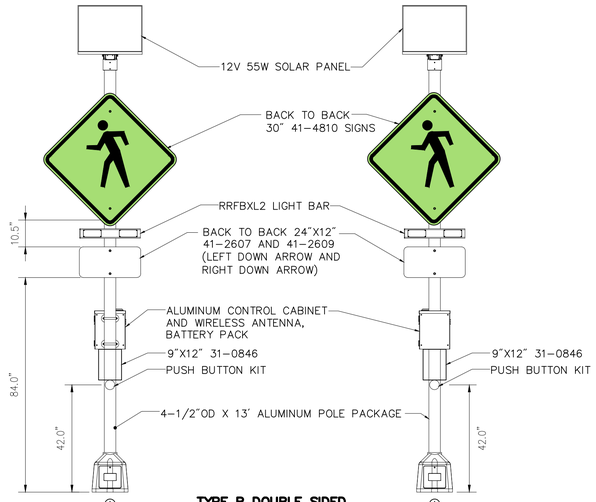
NOTE:
1. LIGHT STANDARD FOUNDATION FURNISHED BY THE CITY

LIGHT STANDARD FOUNDATION
NOT TO SCALE



NOTES
1. REFER TO CTDOT STANDARD SHEET TR-1001_01 FOR TRENCHING, BACKFILLING, & COVER REQUIREMENTS.

PVC CONDUIT
(CONCRETE ENCASED)
N.T.S



TYPE B DOUBLE SIDED RECTANGULAR RAPID FLASHING BEACON
N.T.S.

RRFB NOTES:

1. ALL RECTANGULAR RAPID FLASHING BEACONS TO BE SOLAR POWERED WITH WIRELESS COMMUNICATIONS.
2. ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE.
3. RRFB MATERIALS AND INSTALLATION SHALL CONFORM WITH SPECIAL PROVISION #1117110A & #1117111A.
4. EACH RRFB SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION AND SHALL CEASE OPERATION AFTER 19 SECONDS, OR AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL TELEPHONE "CALL BEFORE YOU DIG" 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY REPRESENTATIVES, AND CITY AGENCIES TWO WEEKS PRIOR TO EXCAVATION.
6. THE TOP OF PEDESTAL FOUNDATIONS SHALL BE INSTALLED LEVEL WITH SIDEWALK. RESTORE SURROUNDING SIDEWALK SURFACE IMPACTED BY FOUNDATION INSTALLATIONS.
7. ANY PROPOSED REVISION TO THE LOCATION OF TRAFFIC SIGNAL APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF NEW BRITAIN PRIOR TO INSTALLATION.
8. 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.
9. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CITY PERMITS, INCLUDING BUT NOT LIMITED TO: SIDEWALK, CURB, AND ROAD OPENING.
10. THE PEDESTAL SHAFT, BASE, AND ALL BRACKETS AND HARDWARE SHALL BE PAINTED BLACK, AEROSPACE MATERIALS SPECIFICATION – STANDARD 595 (AMS-STD-595), COLOR NO. 27038.
11. THE PUSH BUTTON HOUSING AND SIGN BRACKET SHALL BE PAINTED BLACK, AEROSPACE MATERIALS SPECIFICATION – STANDARD 595 (AMS-STD-595), COLOR NO. 27038.

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE: MYRTLE STREET COMPLETE STREET IMPROVEMENTS

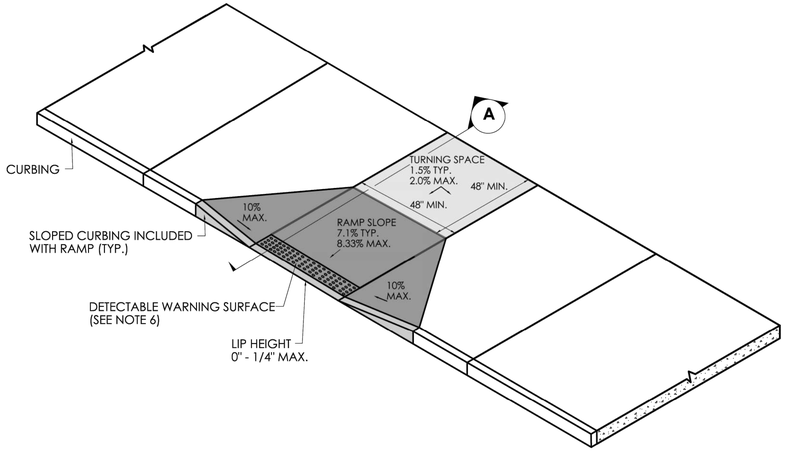
CADD FILENAME: MDS-43435.DWG

TOWN: NEW BRITAIN, CONNECTICUT

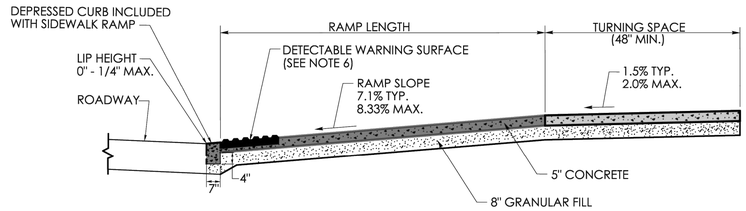
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: 43435.00
DRAWING NO.: MDS-02
SHEET NO.: 6 OF 43

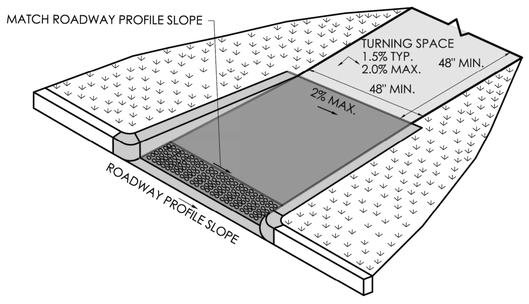
Feb 28, 2025



PERPENDICULAR SIDEWALK RAMP AND SECTION

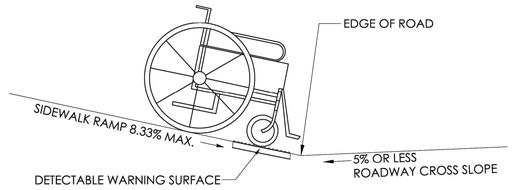


SECTION A

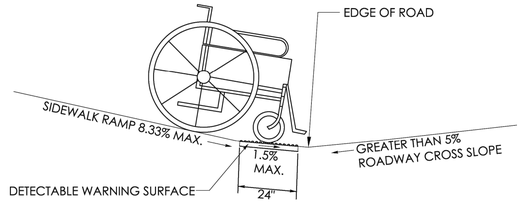


RAMP WARPING DETAIL

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 THE ROADWAY PROFILE BEHIND THE DETECTABLE WARNING SURFACE.



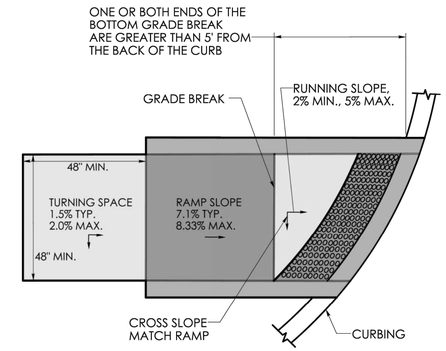
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE



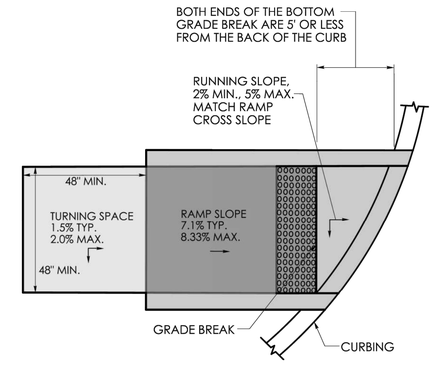
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5% GUTTER COUNTER SLOPE

GENERAL NOTES:

1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼" INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION



GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE: MYRTLE STREET COMPLETE STREET IMPROVEMENTS

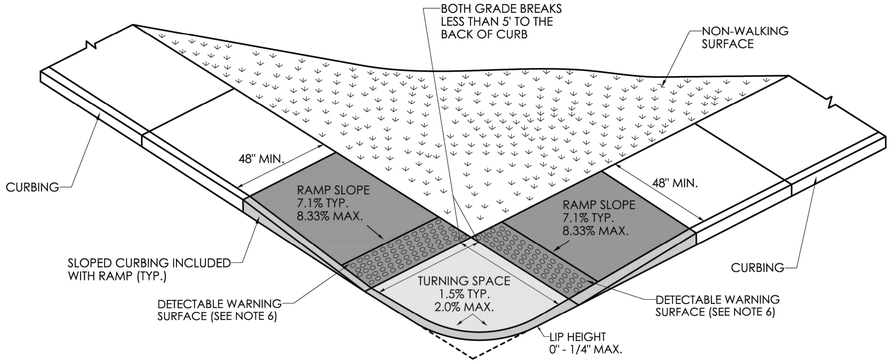
CADD FILENAME: MDS-43435.DWG

TOWN: NEW BRITAIN, CONNECTICUT

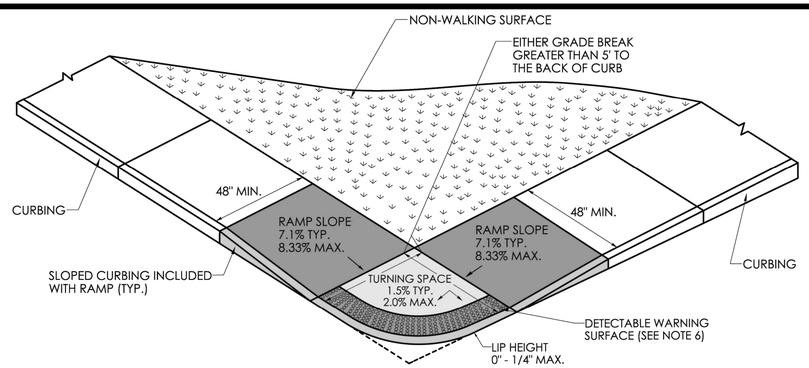
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: 43435.00
DRAWING NO.: MDS-03
SHEET NO.: 7 OF 43

Feb 28, 2025



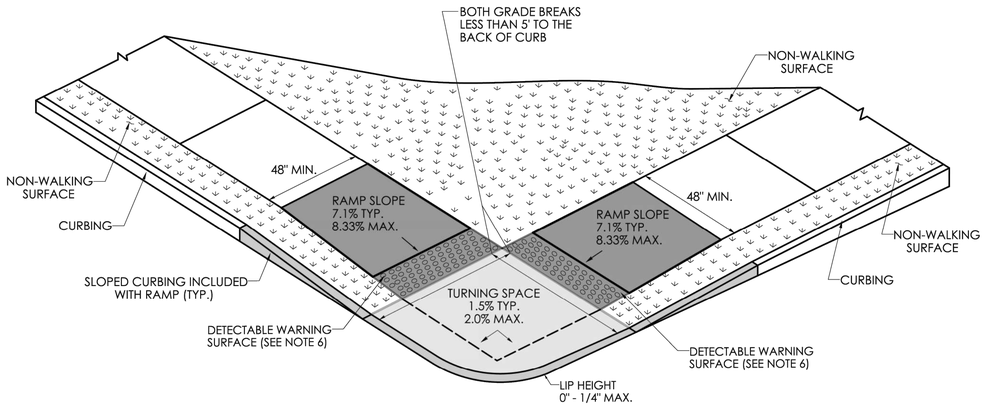
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)



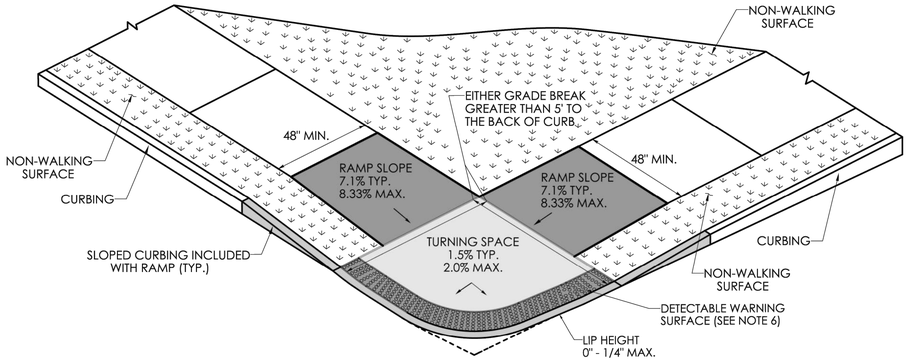
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH GRADE BREAK TO BACK OF CURB GREATER THAN 5'
(TYPE 2)

GENERAL NOTES:

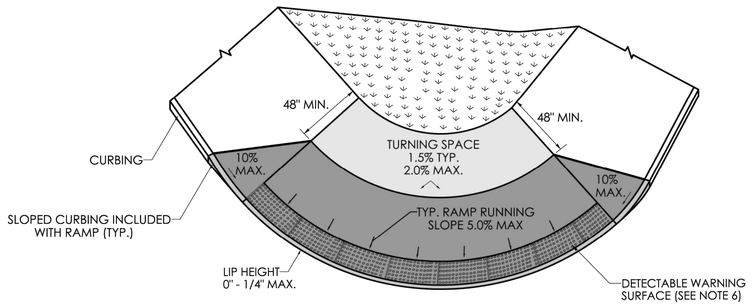
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)



TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
WITH NON-WALKING SURFACE
(TYPE 4)



BLENDED TRANSITION
WITH TURNING SPACE AT TOP
(TYPE 5)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: MDS-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

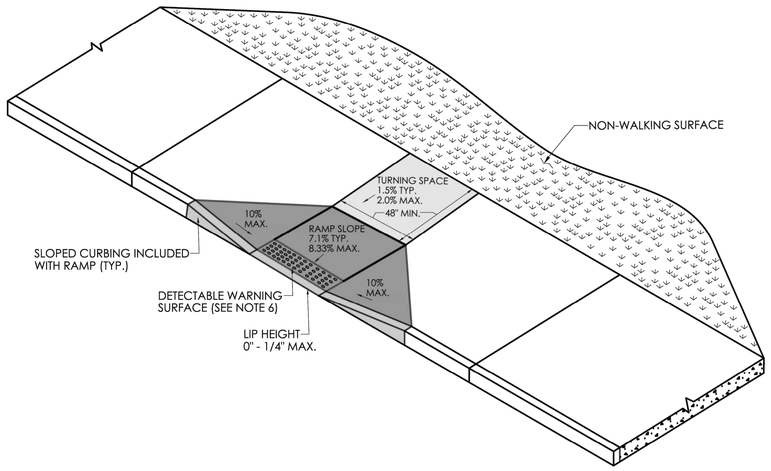
DRAWING TITLE:
MISCELLANEOUS
DETAILS

PROJECT NO.: 43435.00
DRAWING NO.: MDS-04
SHEET NO.: 8 OF 43

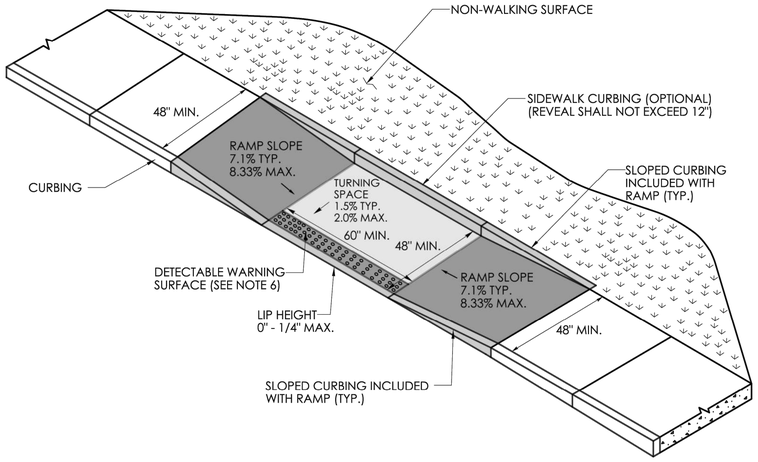
Feb 28, 2025

GENERAL NOTES:

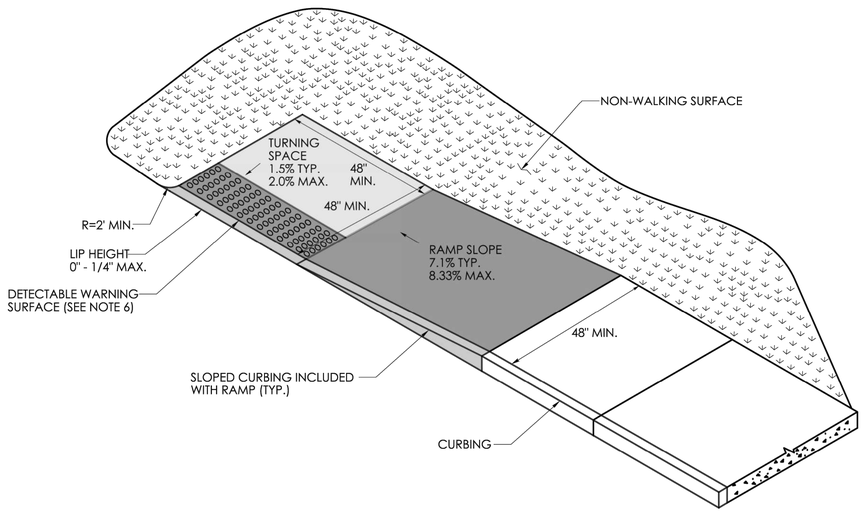
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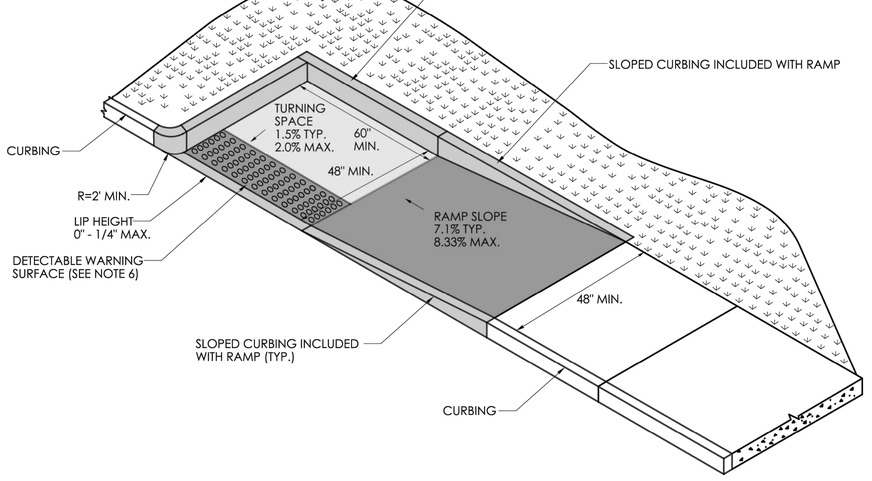
PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON TWO (2) OR MORE SIDES (TYPE 9)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON ONE SIDE (TYPE 10a)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON TWO (2) OR MORE SIDES (TYPE 10b)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
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PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

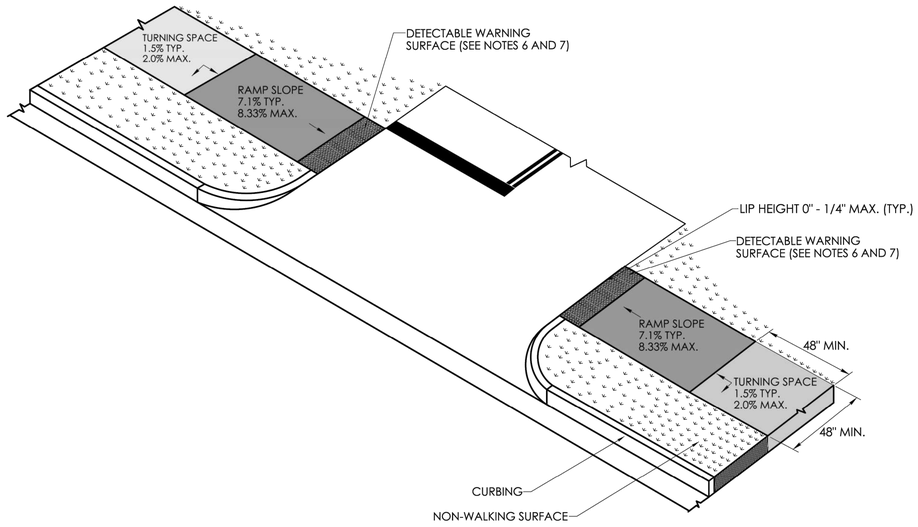
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TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
MISCELLANEOUS
DETAILS

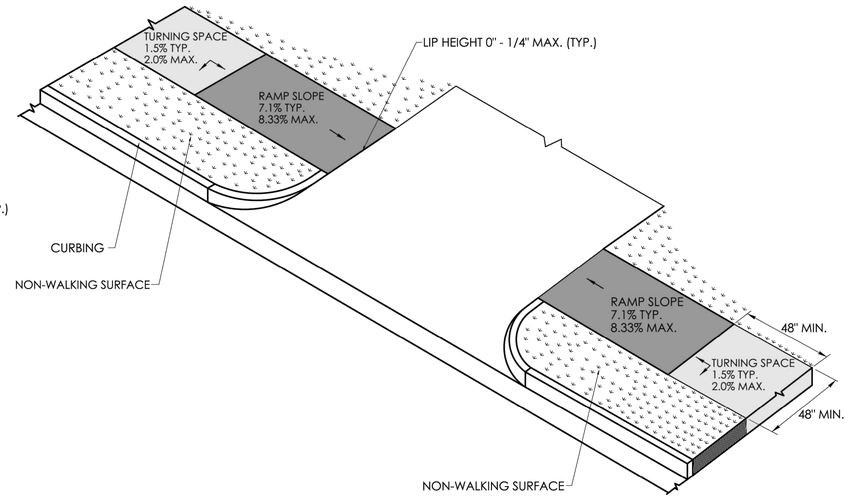
PROJECT NO.: 43435.00
DRAWING NO.: MDS-05
SHEET NO.: 9 OF 43

Feb 28, 2025



DRIVEWAY CROSSING SIGNALIZED, STOP CONTROLLED OR YIELD WITH DETECTABLE WARNING SURFACE AND NON WALKING SURFACE

(TYPE 29)

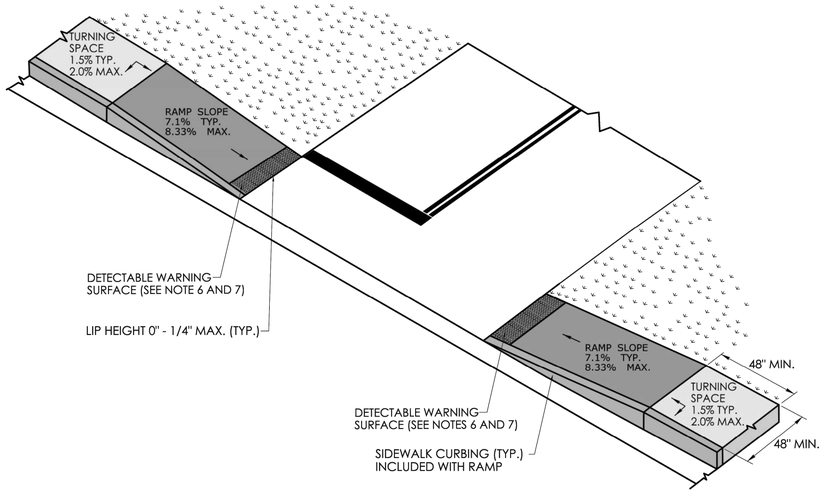


UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING WITH NON WALKING SURFACE

(TYPE 30)

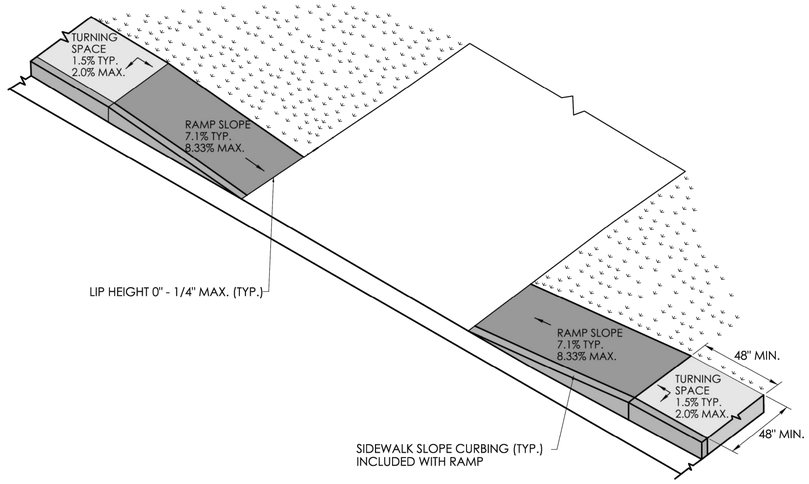
GENERAL NOTES:

1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. FOR DRIVEWAY WHERE TRAFFIC IS CONTROLLED WITH; YIELD SIGN, STOP CONTROL SIGN OR TRAFFIC SIGNAL, DETECTABLE WARNING SURFACE SHALL BE INSTALLED ON ADJACENT SIDEWALK RAMP(S).
8. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 REQUIREMENTS. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



DRIVEWAY CROSSING SIGNALIZED, STOP CONTROL OR YIELD WITH DETECTABLE WARNING SURFACE

(TYPE 31)



UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING

(TYPE 32)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: MDS-43435.DWG

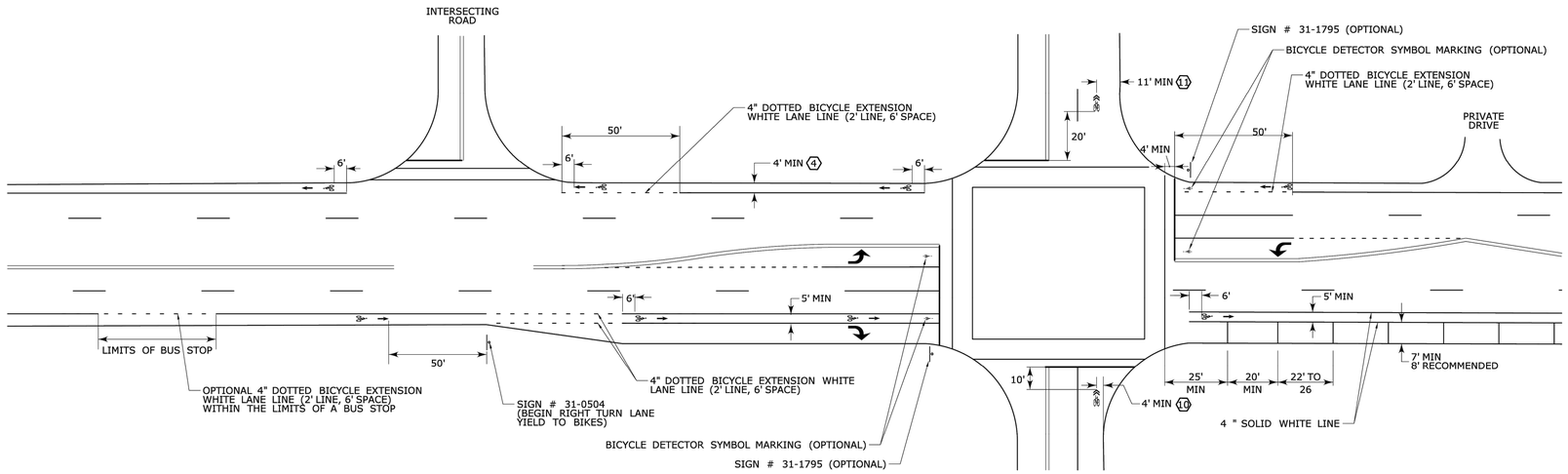
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
MISCELLANEOUS
DETAILS

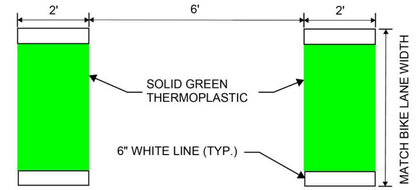
PROJECT NO.: 43435.00
DRAWING NO.: MDS-06
SHEET NO.: 10 OF 43

Feb 28, 2025

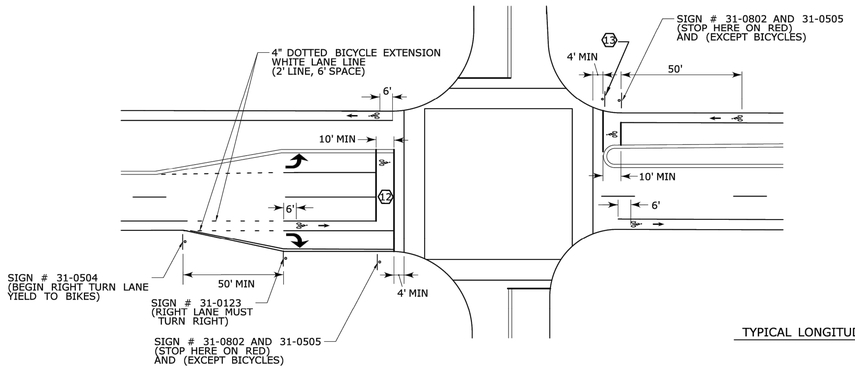
TYPICAL BICYCLE LANE AND SHARROW MARKING DETAIL



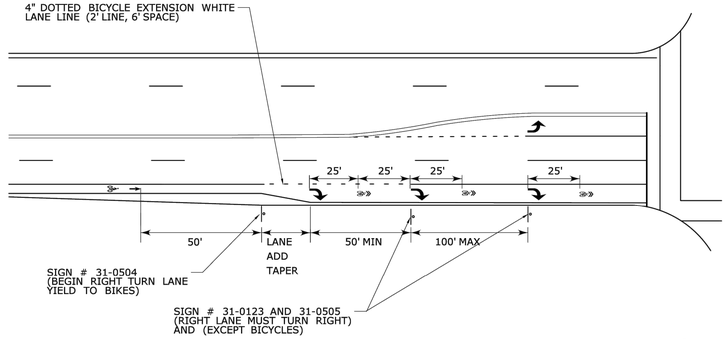
GREEN THERMOPLASTIC BICYCLE EXTENSION



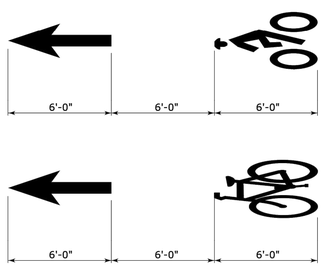
TYPICAL BICYCLE BOX DETAIL



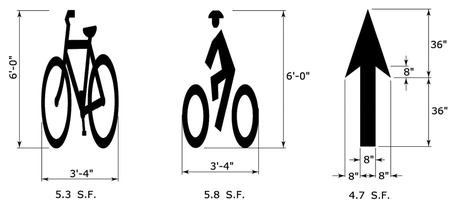
TYPICAL SHARED BICYCLE LANE AND TURN LANE DETAIL



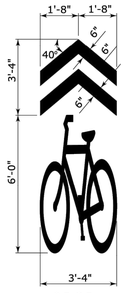
TYPICAL LONGITUDINAL SPACING



BICYCLE LANE SYMBOL MARKINGS



SHARED LANE SYMBOL MARKING



BICYCLE DETECTOR SYMBOL MARKING



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

NOT TO SCALE
N.T.S

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

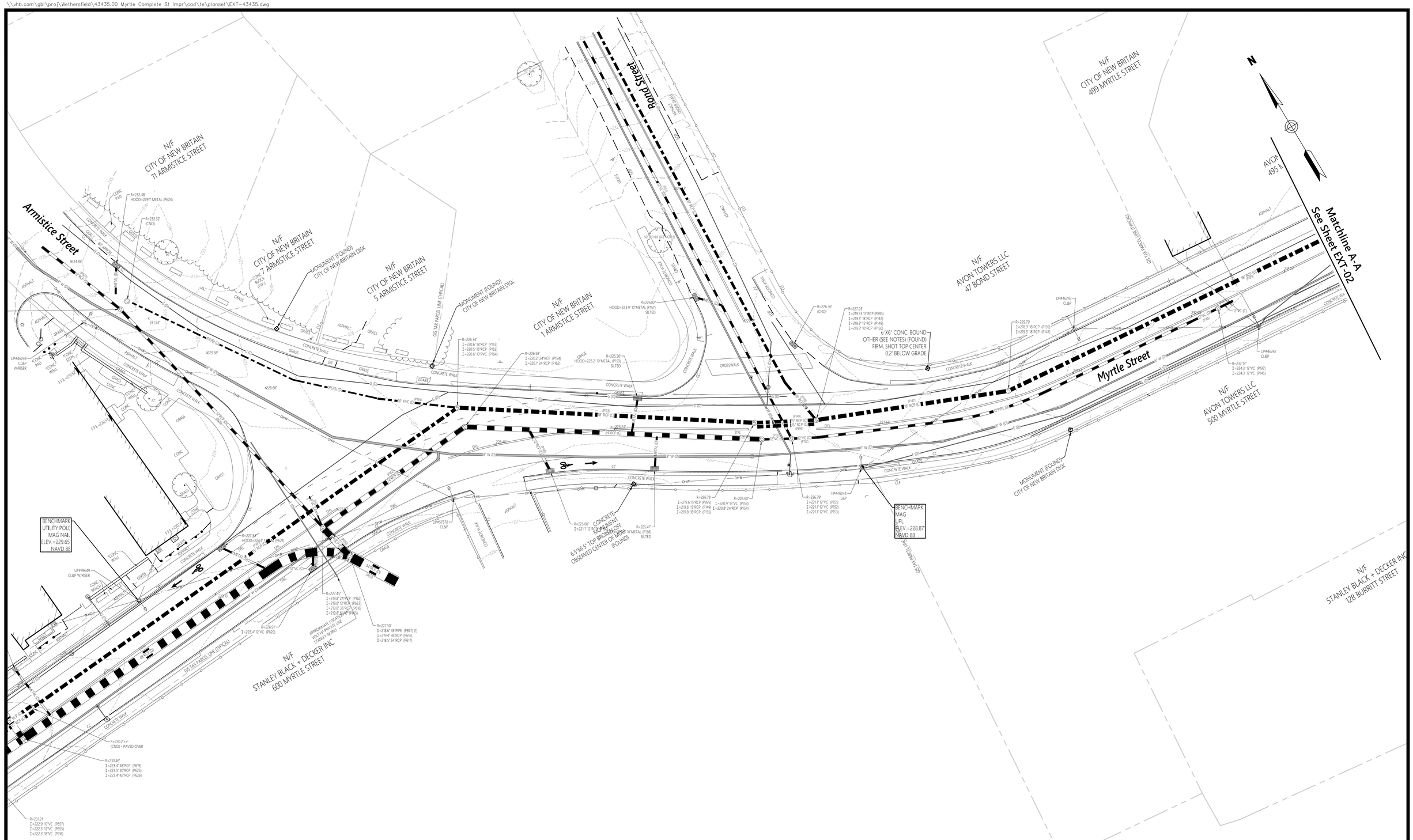
CADD FILENAME: MDS-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
MISCELLANEOUS DETAILS

PROJECT NO.: 43435.00
DRAWING NO.: MDS-07
SHEET NO.: 11 OF 43

Feb 28, 2025



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

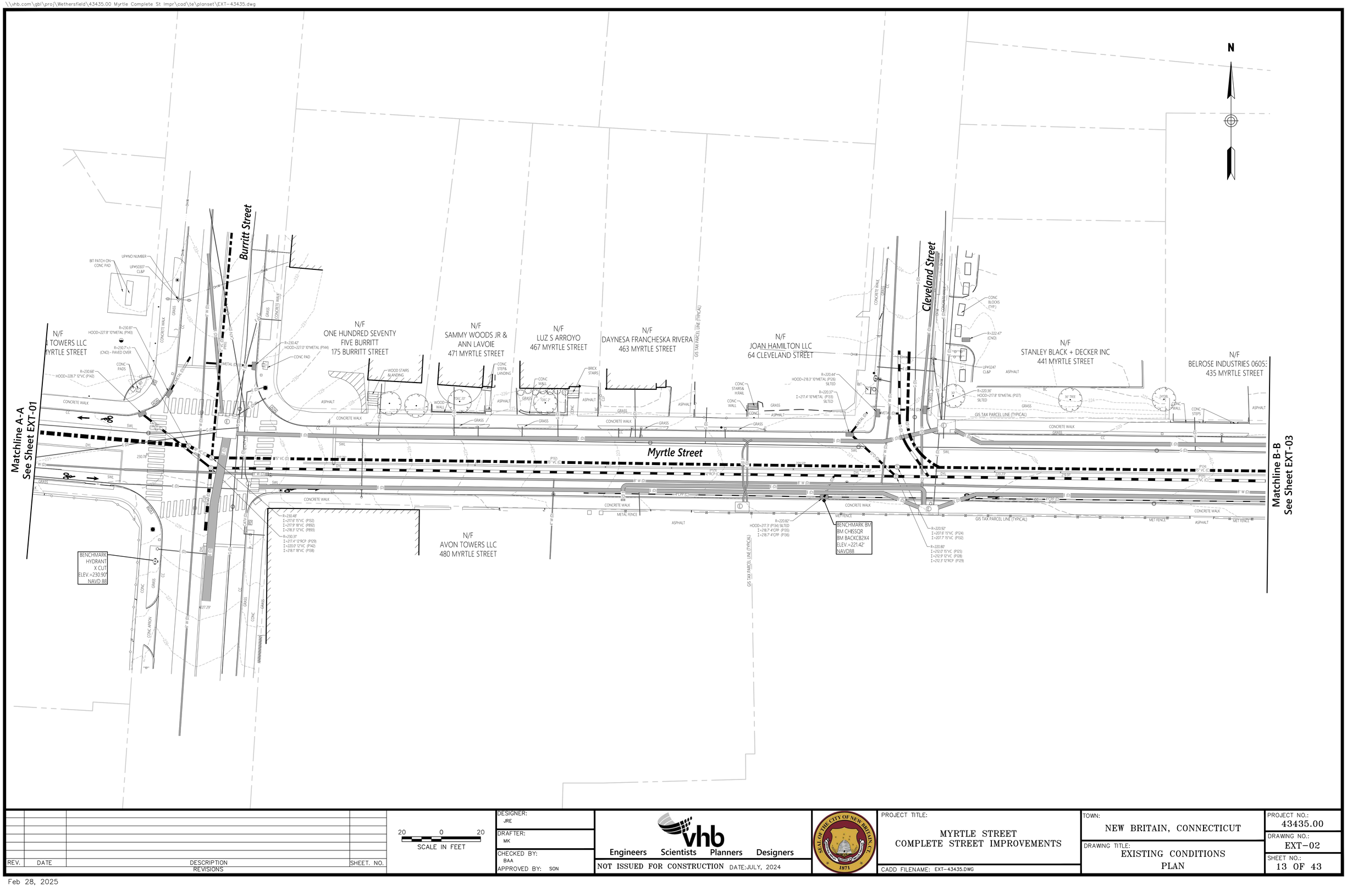
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-01
SHEET NO.: 12 OF 43

Feb 28, 2025

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REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

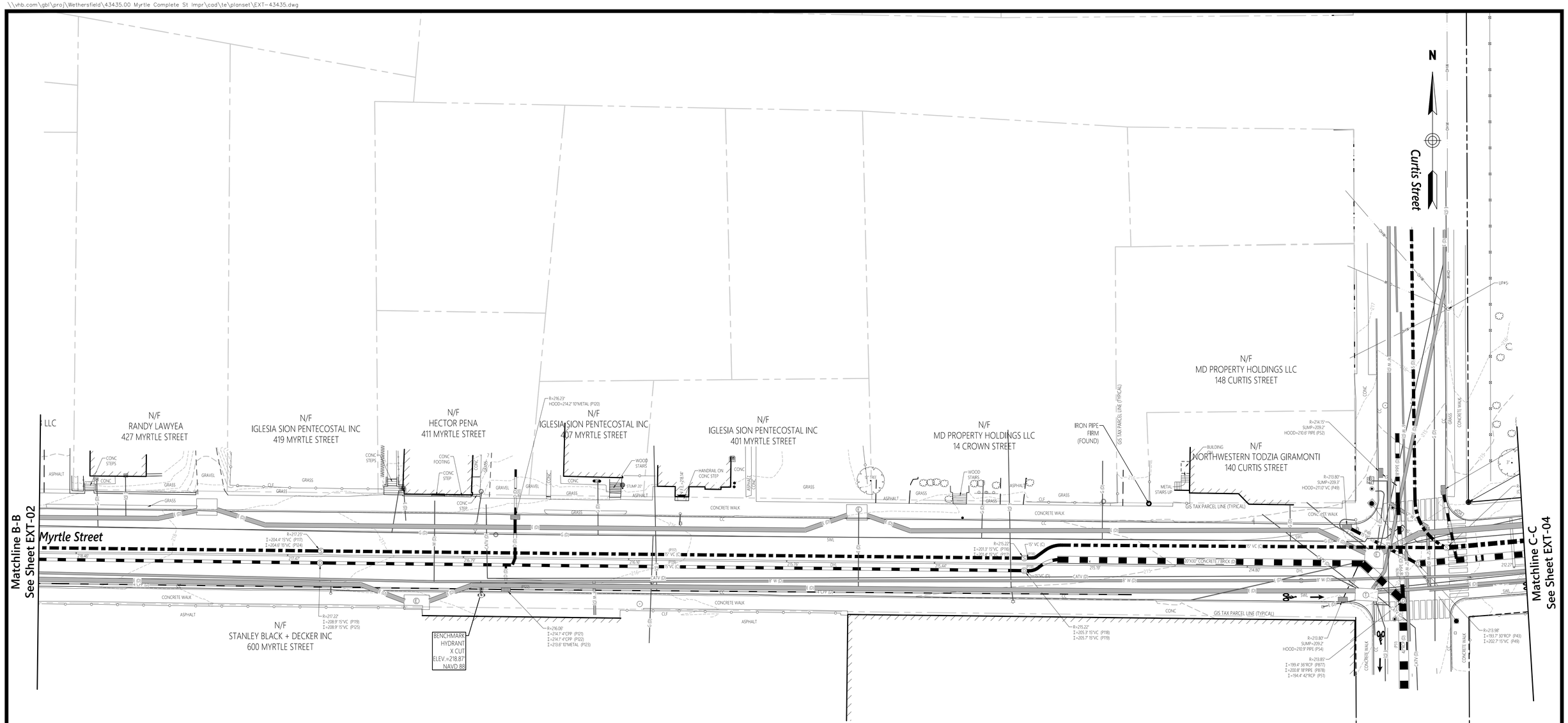
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-02
SHEET NO.: 13 OF 43

Feb 28, 2025

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REV.	DATE	DESCRIPTION	SHEET. NO.
		REVISIONS	

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

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NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-03
SHEET NO.: 14 OF 43

Feb 28, 2025

Matchline C-C
See Sheet EXT-03

Matchline D-D
See Sheet EXT-05

N

CL&P EASEMENT
VOL. 750 P. 464

BENCHMARK
BMXCUTSET
ELEV.=198.48'
NAVD 88

BENCHMARK
HYDRANT
X CUT
ELEV.=204.26
NAVD 88

N/F
MTP-1 CELEBRATION FOODS
1 CELEBRATION WAY

N/F
STANLEY BLACK + DECKER INC
600 MYRTLE STREET

Celebration Way

Myrtle Street
Public (50' Wide)

BENT 1" REBAR
FOUND B.G. 0.30'
S82°48'24"E, 0.9'
FROM CORNER

1/4" DRILL HOLE
(FOUND)

5040CLP

GRASS

ASPHALT

CONC

CONCRETE WALK

ELEC. TRANS. (3)

DYK20' CONCRETE / BRICK (C)

CATV (D)

DYL

MH
UNKNOWN

BIT. APRON

TA/N4
(RECORD
LOCATION)

R=202.96'
I=198.1' 12"RCP (P37)

R=202.75'
I=198.2' 12"RCP (P38)

R=200.11'
I=194.6' 12"RCP (P38)
I=193.9' 15"RCP (P39)
I=193.9' 15"RCP (P40)

R=198.84'
I=195.1' 15"RCP (P39)

R=202.07'
I=193.2' 15"RCP (P40)
I=193.2' 24"RCP (P41)
I=195.8' 6"PVC (P44)

R=200.77'
SUMP=197.7'
HOOD= PIPE (P45)

R=200.28'

R=213.91'
(NPV)
SUMP=210.8'

R=201.12'
SUMP=198.6'
HOOD=199.3' PIPE (P46)

R=200.45'
I=194.2' 24"RCP (P41)
I=191.4' 30"RCP (P42)
I=191.8' 30"RCP (P43)

R=199.88'
SUMP=194.2'

R=196.05'
SUMP=192.2'
HOOD=193.2' PIPE (P56)

R=196.10'
SUMP=193.1'
HOOD=194.4' PIPE (P55)

R=195.88'
I=193.1' 12"RCP (P57)

R=195.58'
HOOD=191.8'
SUMP=190.7'
I=192.1' 12"RCP (P57)

R=194.39'
I=181.0' 30"RCP (P62)
I=182.9' 15"VC (P65)

R=194.49'

R=196.03'
I=181.4' 15"RCP (P61)

R=194.77'
SUMP=190.2'
HOOD=191.3' 4"PIPE (P70)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

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Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-04
SHEET NO.: 15 OF 43

Feb 28, 2025

Matchline D-D
See Sheet EXT-04

Matchline E-E
See Sheet EXT-06

N/F
MTP-1 CELEBRATION FOODS
1 CELEBRATION WAY

N/F
MTP-1 CELEBRATION FOODS
200 MYRTLE STREET

WATER LATERAL FROM PROPOSED LOCATION

SEWER LATERAL FROM PROPOSED LOCATION

BENCHMARK
BMSQRCUTSET
ELEV. = 197.62'
NAVD 88

N

Myrtle Street

Myrtle Street

ELEC. TRANS. (E)

ASPHALT

CONCRETE WALK

CONC APRON

GRASS

METAL POST

3/4" REBAR
FND FLUSH

CATV (D)

R=190.99'
I = 189.2' 6"PVC (P66)

R=192.20'
I = 183.7' 24"RCP (P32)
I = 182.9' 30"RCP (P67)
I = 183.6' 24"RCP (P68)

R=190.17'
SUMP=185.5'
HOOD=188.8' 10"PIPE (P35)

R=193.75'
I = 185.4' 24"RCP (P31)
I = 185.4' 24"RCP (P32)
I = 190.0' 12"RCP (P33)

R=191.87'
SUMP=185.0'
HOOD=188.1' 12"RCP (P28)

R=191.80'
I = 187.7' 12"RCP (P27)
I = 187.7' 12"RCP (P28)
I = 187.7' 12"RCP (P29)
I = 187.7' 15"RCP (P30)

R=191.55'
SUMP=186.8'
HOOD=187.8' 12"RCP (P27)

R=189.65'
SUMP=184.2'
HOOD=187.8' PIPE (P25)

R=191.30'
I = 186.8' 15"RCP (P30)
I = 186.6' 24"RCP (P31)

R=190.77'

R=190.25'

R=191.13'
SUMP=185.8'
HOOD=187.9' 4"PIPE (P69)

R=190.83'
I = 179.0' 36"RCP (P62)
I = 179.0' 24"PIPE (P63)
I = 183.0' 30"RCP (P67)

R=190.79'
I = 178.4' 24"PIPE (P63)
I = 178.4' 36"RCP (P64)

R=190.27'
HOOD=188.2' (P34)
SUMP=186.0'
I = 187.5' 4"CPP (P36)

R=189.59'
SUMP=186.1'
HOOD=188.1' PIPE (P26)

R=190.12'
HOOD=187.9' PVC (P115)

R=189.87'
HOOD=188.1' PVC (P114)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT. 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

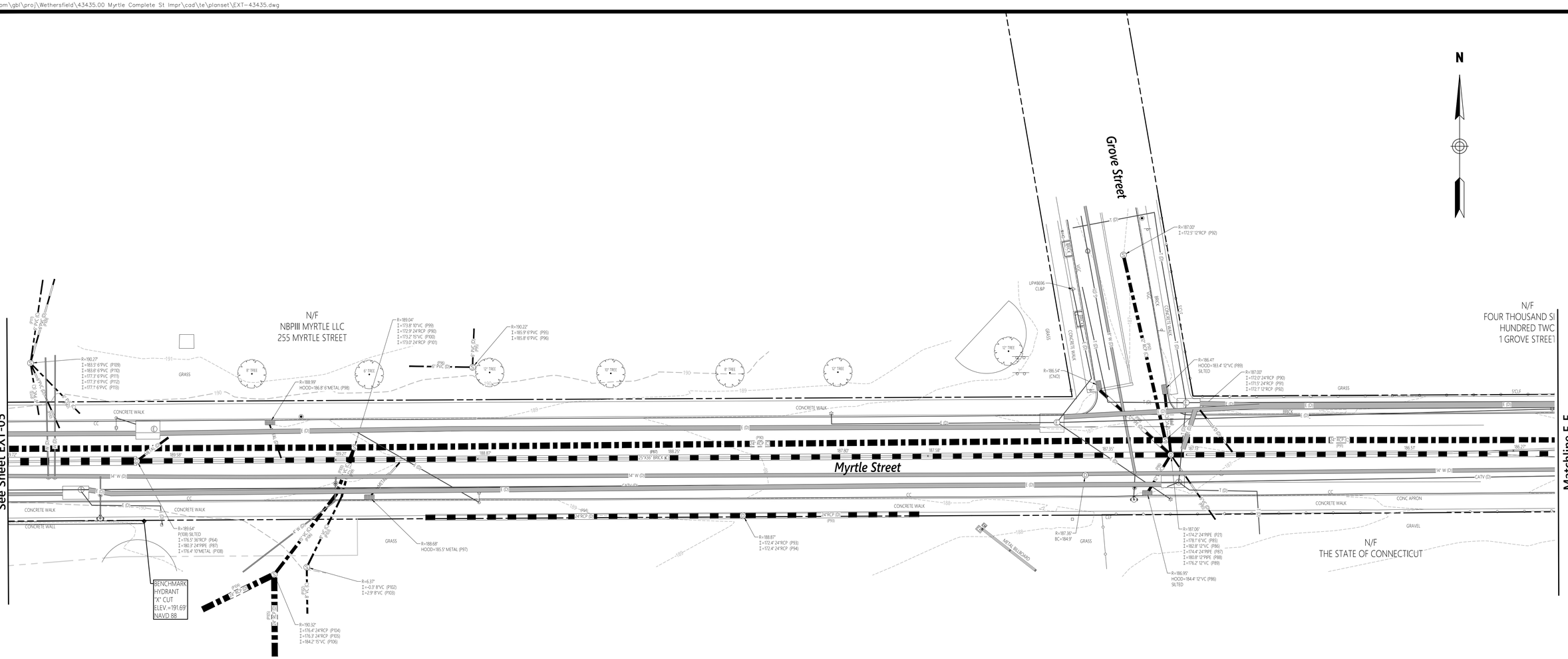
CADD FILENAME: EXT-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-05
SHEET NO.: 16 OF 43

Feb 28, 2025



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-06
SHEET NO.: 17 OF 43

Feb 28, 2025

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Matchline F-F
See Sheet EXT-06

High Street

Washington Street

Myrtle Street

N

N/F
FOUR THOUSAND SEVEN
HUNDRED TWO
82 HIGH STREET

N/F
WALGREEN EASTERN CO INC
102 WASHINGTON STREET

N/F
THE STATE OF CONNECTICUT

BENCHMARK
SQUARE CUT
PEDSIG BASE
ELEV.=185.14'
NAVD88

BENCHMARK
HANDHOLE
SQUARE CUT
ELEV.=183.07'
NAVD88

CITY OF NEW BRITAIN DISK
(FOUND)

CITY OF NEW BRITAIN DISK
(FOUND)

DRILL HOLE
(FOUND)

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: EXT-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
EXISTING CONDITIONS
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: EXT-07
SHEET NO.: 18 OF 43

Feb 28, 2025

STA. 201+10.55
BEGIN CONCRETE SIDEWALK
MATCH EXISTING

STA. 201+10.55
BEGIN 6" GRANITE CURB
MATCH EXISTING

CURVE 5

STA. 201+10.55
LIMIT OF FULL DEPTH
RECONSTRUCTION
CUT BIT. CONC. PAVEMENT
MATCH EXISTING

PROTECT MONUMENT

PRC STA. 200+46.08,
15.00' RT

R50'

R275'

N 805004.77
E 986604.20
PRC = 200+59.32

R170'

INSTALL CONC. SIDEWALK
RAMP (TYPE 8)

STA. 115+85.14, 25.98' LT

PRC STA. 116+03.22,
17.79' LT

N 804939.85
E 986429.93
PC = 201+19.22

R266'

STA. 300+90.00
END 6" GRANITE CURB
END CONCRETE SIDEWALK
MATCH EXISTING

STA. 200+17.84
END MILL & OVERLAY
BEGIN FULL DEPTH RECONSTRUCTION
CUT BIT. CONC. PAVEMENT

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 300+76.24, 17.00' LT
R=226.62'

PCC STA. 300+69.78, 17.00' LT

R30'

INSTALL CONC. SIDEWALK
RAMP (TYPE 9)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 116+98.70, 18.45' LT
R=225.70'

PRC STA. 116+98.70, 18.45' LT

STA. 300+90
LIMIT OF FULL DEPTH RECONSTRUCTION
CUT BIT. CONC. PAVEMENT
MATCH EXISTING

N 03°49'00" E
20.77'

STA. 300+90
BEGIN CONCRETE SIDEWALK
MATCH EXISTING

STA. 300+17.18
END MILL & OVERLAY
BEGIN FULL DEPTH RECONSTRUCTION
CUT BIT. CONC. PAVEMENT

ADJUST GATE BOX (GAS)
(BY OTHERS) (TYP.)

PC STA. 300+39.18, 17.75' RT

CONVERT CB TO DMH
STA. 117+77.19, 43.29' LT
R=227.10'
INV. (SW)=222.81'

INSTALL 5' - 12" RCP

INSTALL TYPE 'C' CB
STA. 117+75.43, 37.72' LT
R=226.53'
INV. (NE)=222.87'

R40'

INSTALL CONC. SIDEWALK RAMP
(TYPE 9)

CURVE 6

N 804911.28
E 986636.00
PT = 300+79.23

PT STA. 118+99.43, 17.88' LT

PCC STA. 118+13.68, 17.52' LT

RESET SMH (TYP.)

PCC STA. 118+71.40, 18.19' LT

N 804798.70
E 986918.45
PCC = 118+45.18

N 804784.84
E 986941.80
PT = 119+19.23

S 84°25'59" E
230.24'

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 1)

INSTALL BIT. CONC. DRIVEWAY
(COMMERCIAL)

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 2)

RIGHT-OF-WAY LINE (TYP.)

PROTECT EXISTING FENCE

Matchline Sta.120+50
See Sheet PLN-02

CUT BITUMINOUS CONCRETE
PAVEMENT (TYP.)

INSTALL TOPSOIL AND TURF
ESTABLISHMENT (TYP.)

MILL & OVERLAY (TYP.)

ARMISTICE STREET

MYRTLE STREET

STA. 201+10.55, 15.00' LT
MATCH EXISTING

STA. 201+10.55
END CONCRETE SIDEWALK
MATCH EXISTING

PCC STA. 200+71.60, 15.00' LT

INSTALL CONC. SIDEWALK RAMP
(TYPE 8)

INSTALL TYPE 'C' CB
STA. 115+14.54, 19.55' LT
R=226.91'
INV. (W)=224.65'

R35'

PC STA. 115+03.70, 17.83' LT

INSTALL 22'-12" RCP

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 114+89.77, 17.83' LT
R=227.16'
INV. (E)=224.40'

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 2)

REFER TO LIGHTING
PLAN FOR DETAILS (TYP.)

STA. 114+70
BEGIN CONCRETE SIDEWALK

STA. 114+70
BEGIN 6" GRANITE CURBING

N 85°47'39" E 115.00'
S84°12'21"E 230.24'

CURVE 4

CURVE 1

CURVE 2

CURVE 3

N 804872.32
E 986554.25

PT = 116+89.92

N 804840.73
E 986613.59
PC = 300+04.47

S 57°00'44" E
24.66'

N 31°30'43" E
4.47'

ADJUST GATE BOX (WATER)
(TYP.)

STA. 117+56.98 ℄ Alignment - (1) Myrtle Street
POB STA. 300+00.00 ℄ Alignment - (1) Bond Street
N 804836.92
E 986611.20

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 1)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 116+54.81, 17.92' RT
R=225.55'

PCC STA. 116+43.14, 18.02' RT

INSTALL BIT. CONC. DRIVEWAY
(COMMERCIAL)

INSTALL CONCRETE DRIVEWAY
RAMP (TYP.)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 117+08.07, 17.44' RT
R=225.52'

PRC STA. 116+94.52, 17.50' RT

PCC STA. 116+11.09, 18.19' RT

RESET DMH (TYP.)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 115+20.32, 17.98' RT
R=227.25'

STA. 115+59.54 ℄ Alignment - (1) Myrtle Street
POB STA. 200+00.00 ℄ Alignment - (1) Armistice Street
N 804910.69
E 986431.32

BENCHMARK
MAG
N/V = 228.87
MAG 88

N/F
CITY OF NEW BRITAIN
499 MYRTLE STREET

N/F
AVON TOWERS LLC
500 MYRTLE STREET

N/F
STANLEY BLACK + DECKER INC
600 MYRTLE STREET

N/F
STANLEY BLACK + DECKER INC
128 BURRITT STREET

POB STA. 114+50.00
℄ MYRTLE STREET
N 804901.9338
E 986297.1012

STA. 114+70
LIMIT OF WORK
BEGIN LOTCIP PHASE
BEGIN MILL & OVERLAY
MATCH EXISTING

STA. 114+70
BEGIN CONCRETE SIDEWALK

STA. 114+70
BEGIN 6" GRANITE CURBING

LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

BASELINE CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA	PI: NORTHING	PI: EASTING
CURVE 4	155.00	80.10'	40.97	029° 36' 37"	804970.71	986426.96
CURVE 5	290.00	81.26'	40.90	016° 03' 19"	805038.77	986381.47
CURVE 6	154.67	74.76'	38.13	027° 41' 43"	804873.24	986633.46
CURVE 1	240.00	155.84'	80.78	037° 12' 12"	804916.19	986486.42
CURVE 2	680.00	130.60'	65.50	011° 00' 16"	804823.22	986629.88
CURVE 3	200.00	59.05'	29.74	016° 55' 00"	804787.57	986718.20

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

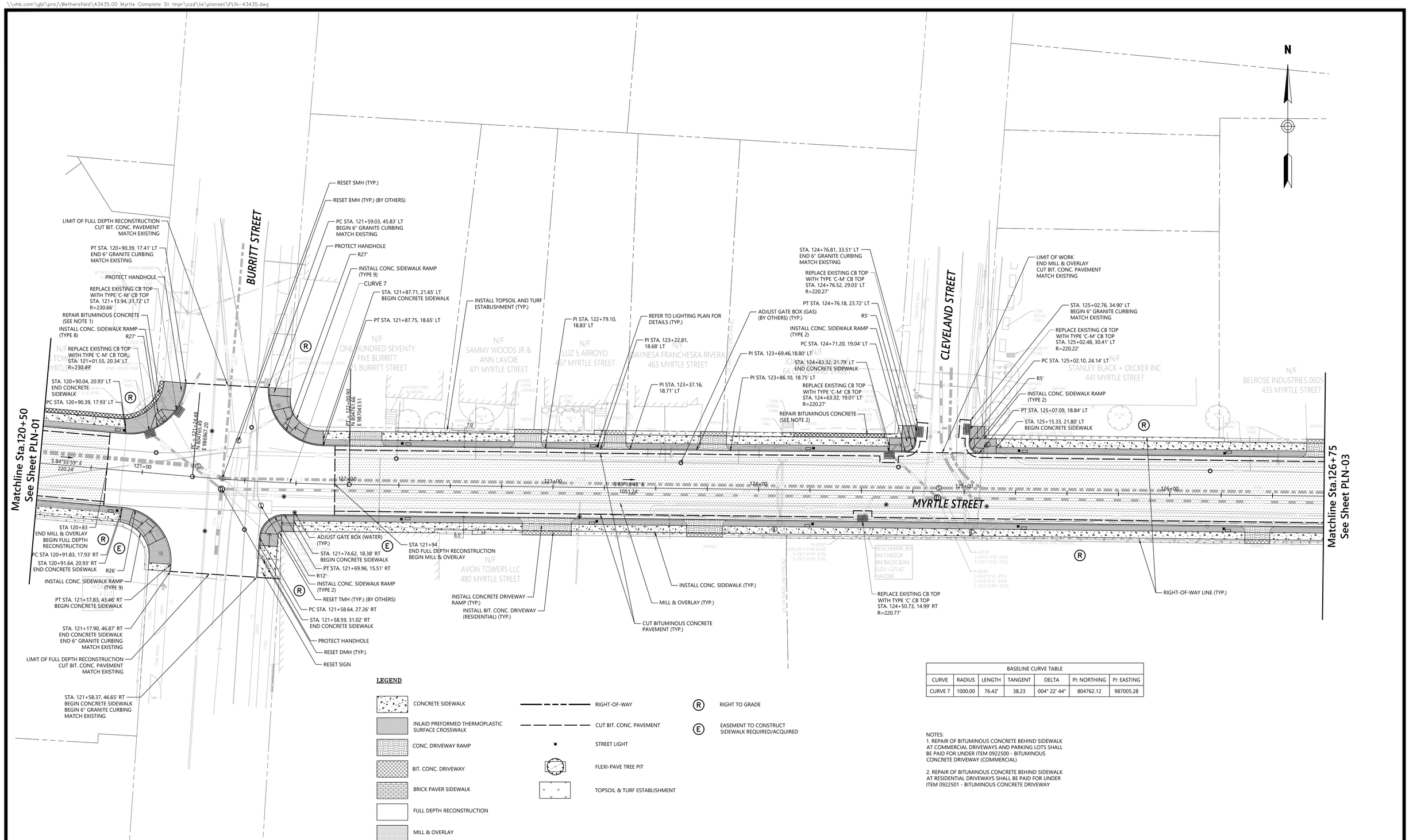
CADD FILENAME: PLN-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
CONSTRUCTION
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-01
SHEET NO.: 19 OF 43

Feb 28, 2025



LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

BASELINE CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	DELTA	PI: NORTHING	PI: EASTING
CURVE 7	1000.00	76.42'	38.23	004° 22' 44"	804762.12	987005.28

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

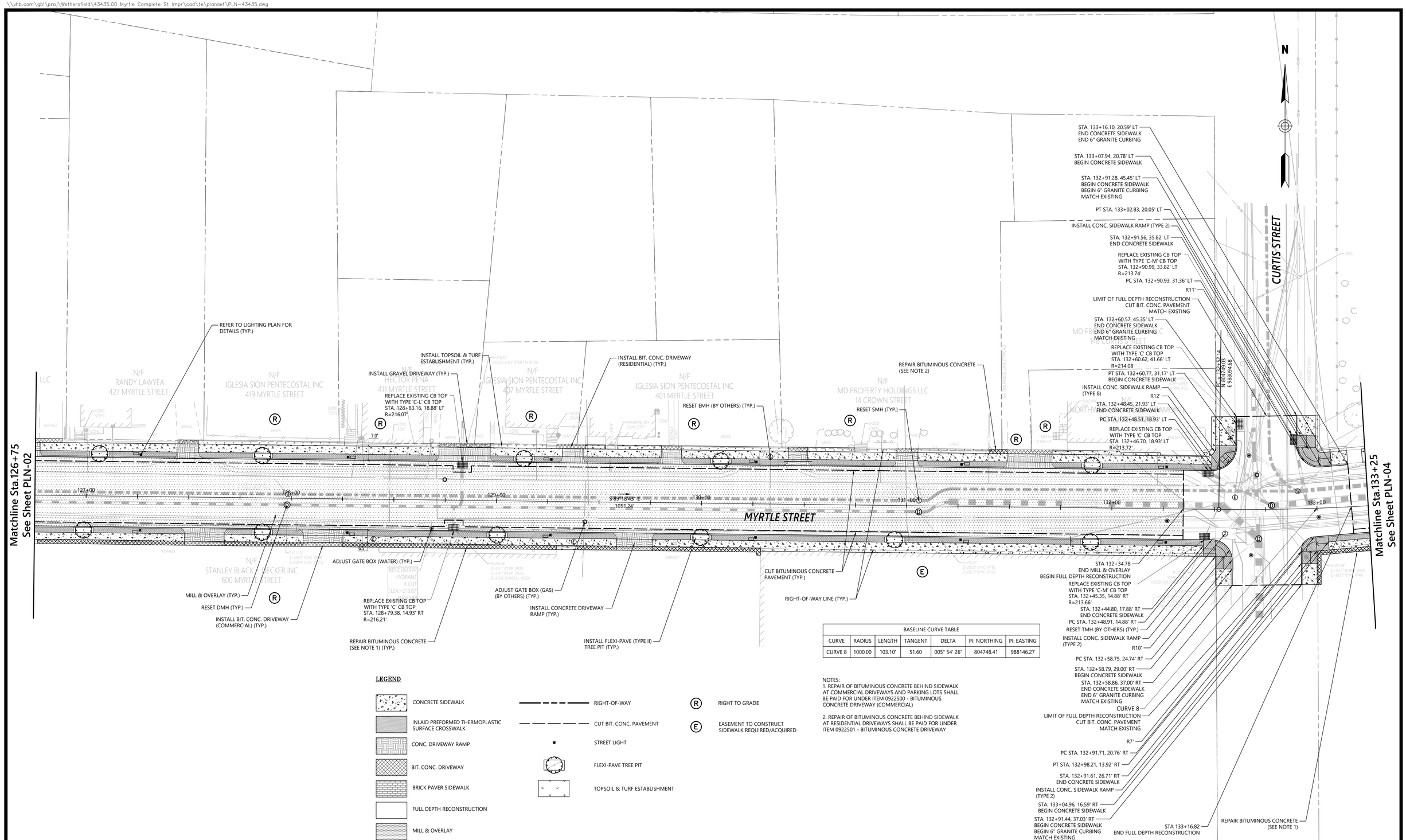
CADD FILENAME: PLN-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
CONSTRUCTION PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-02
SHEET NO.: 20 OF 43

Feb 28, 2025



BASELINE CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	DELTA	PI: NORTHING	PI: EASTING
CURVE 8	1000.00	103.10'	51.60	005° 54' 26"	804748.41	988146.27

LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

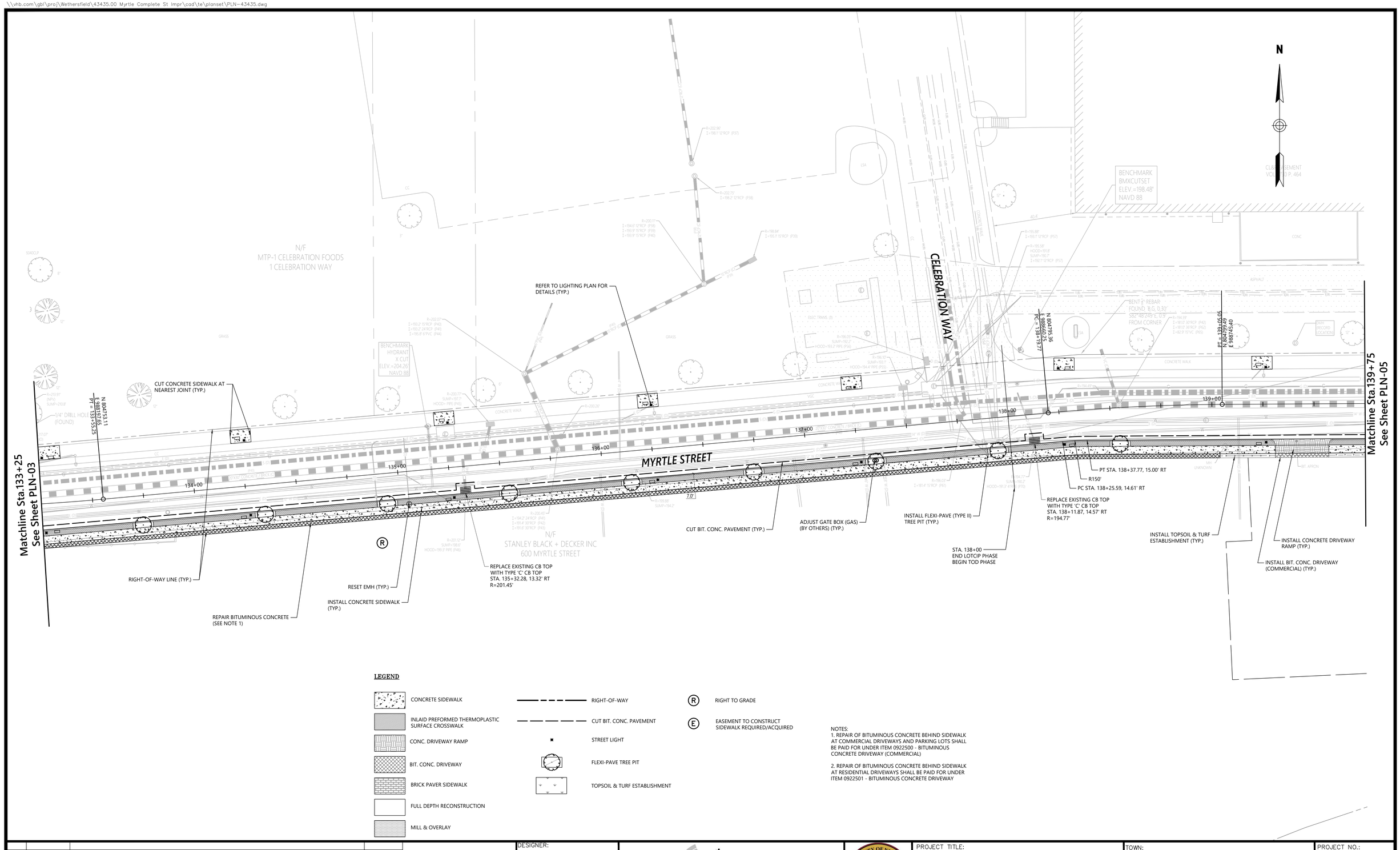
CADD FILENAME: PLN-43435.DWG

TOWN: NEW BRITAIN, CONNECTICUT

DRAWING TITLE: CONSTRUCTION PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-03
SHEET NO.: 21 OF 43

Feb 28, 2025



LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE: MYRTLE STREET COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLN-43435.DWG

TOWN: NEW BRITAIN, CONNECTICUT

DRAWING TITLE: CONSTRUCTION PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-04
SHEET NO.: 22 OF 43

Feb 28, 2025

Matchline Sta.139+75
See Sheet PLN-04

Matchline Sta.146+25
See Sheet PLN-06

N

MYRTLE STREET

140+00 141+00 142+00 143+00 144+00 145+00 146+00

N 89°40'01" E
1311.47'

N/F
MTP-1 CELEBRATION FOODS
1 CELEBRATION WAY

N/F
MTP-1 CELEBRATION FOODS
200 MYRTLE STREET

BORING 24
ELEV=203.5

BORING 25
ELEV=203.8

BORING 26
ELEV=202.4

BORING 27
ELEV=205.5

BORING 28
ELEV=205.9

BORING 29
ELEV=205.9

BORING 30
ELEV=206.4

BENCHMARK
BMSQRCUTSET
ELEV.=197.62'
NAVD 88

WATER LATERAL FROM PROPOSED LOCATION

SEWER LATERAL FROM PROPOSED LOCATION

SEWER LATERAL FROM PROPOSED LOCATION

STA. 143+05.77, 16.63' LT
END 6" GRANITE CURBING

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 143+01.26, 16.63' LT
R=190.03'

INSTALL CONC. SIDEWALK RAMP
(TYPE 9)

STA. 142+76.53, 16.63' LT
BEGIN 6" GRANITE CURBING

REFER TO LIGHTING PLAN FOR
DETAILS (TYP.)

CUT CONCRETE SIDEWALK AT
NEAREST JOINT (TYP.)

¾" REBAR
END FLUSH

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 145+41.33, 16.87' RT
R=189.47'

INSTALL CONCRETE DRIVEWAY
RAMP (TYP.)

INSTALL BIT. CONC. DRIVEWAY
(COMMERCIAL) (TYP.)

INSTALL CONC. SIDEWALK (TYP.)

INSTALL FLEXI-PAVE (TYPE II)
TREE PIT (TYP.)

INSTALL CONC. SIDEWALK RAMP
(TYPE 9)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 143+05.18, 16.86' RT
R=190.07'

BUS SHELTER, TYPE A

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 1)

CUT BIT. CONC. PAVEMENT (TYP.)

RIGHT-OF-WAY LINE (TYP.)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 140+85.22, 17.04' RT
R=191.49'

ADJUST GATE BOX (WATER) (TYP.)

INSTALL TOPSOIL & TURF
ESTABLISHMENT (TYP.)

7.0'

LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLN-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
CONSTRUCTION
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-05
SHEET NO.: 23 OF 43

Feb 28, 2025

Matchline Sta.146+25
See Sheet PLN-05

Matchline Sta.152+75
See Sheet PLN-07

N

MYRTLE STREET

GROVE STREET

N 89°40'01" E
1311.47'

147+00 148+00 149+00 150+00 151+00 152+00

N/F
NBPIII MYRTLE LLC
255 MYRTLE STREET

N/F
FOUR THOUSAND S
HUNDRED TWO
1 GROVE STREE

N/F
THE STATE OF CONNECTICUT

REFER TO LIGHTING PLAN FOR DETAILS (TYP.)

CUT CONCRETE SIDEWALK AT NEAREST JOINT (TYP.)

REPLACE EXISTING CB TOP WITH TYPE 'C' CB TOP
STA. 147+76.85, 16.96' RT
R=188.49'

BENCHMARK
HYDRANT
'X' CUT
ELEV.=191.69'
NAVD 88

RIGHT-OF-WAY LINE (TYP.)

INSTALL TOPSOIL & TURF ESTABLISHMENT (TYP.)

INSTALL FLEXI-PAVE (TYPE II) TREE PIT (TYP.)

STA. 150+81.84, 32.39' LT
END CONCRETE SIDEWALK
END 6" GRANITE CURBING
MATCH EXISTING

REPLACE EXISTING CB TOP
WITH TYPE 'C-M' CB TOP
STA. 150+82.42, 28.94' LT
R=186.41'

PT STA. 150+82.91, 26.00' LT

R8'

INSTALL CONC. SIDEWALK RAMP
(TYPE 2)

PC STA. 150+75.02, 16.68' LT

STA. 150+68.17, 16.68' LT
BEGIN CONCRETE SIDEWALK
BEGIN 6" GRANITE CURBING

STA. 151+11.52, 31.95' LT
BEGIN CONCRETE SIDEWALK
BEGIN 6" GRANITE CURBING
MATCH EXISTING

REPLACE EXISTING CB TOP
WITH TYPE 'C-M' CB TOP
STA. 151+12.26, 27.51' LT
R=186.26'

PC STA. 151+12.84, 24.03' LT

R9'

RESET EMH (TYP.) (BY OTHERS)

INSTALL CONC. SIDEWALK RAMP
(TYPE 2)

PT STA. 151+21.72, 16.51' LT

STA. 151+29.40, 19.51' LT

REPAIR BITUMINOUS CONCRETE
(SEE NOTE 1)

PC = 152+16.51
N 804807.12
E 990056.85

CURVE 9

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 151+03.67, 17.37' RT
R=187.28'

INSTALL CONC. SIDEWALK RAMP
(TYPE 9)

REMOVE EX. FENCE

5' ORNAMENTAL FENCE (TYP.)

INSTALL CONCRETE DRIVEWAY
RAMP (TYP.)

INSTALL GRAVEL DRIVEWAY

CUT BIT. CONC. PAVEMENT (TYP.)

LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- Ⓡ RIGHT TO GRADE
- Ⓔ EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

BASELINE CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	DELTA	PI: NORTHING	PI: EASTING
CURVE 9	30000.00	478.48'	239.24	000° 54' 50"	804808.51	990296.09

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLN-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
CONSTRUCTION PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-06
SHEET NO.: 24 OF 43

Feb 28, 2025

Matchline Sta.152+75
See Sheet PLN-06

N

WASHINGTON STREET

HIGH STREET

MYRTLE STREET

REPAIR BITUMINOUS CONCRETE (SEE NOTE 1)

ADJUST GATE BOX (GAS) (BY OTHERS) (TYP.)

CURVE 10

STA. 154+92.09, 19.76' LT
BEGIN CONCRETE SIDEWALK

STA. 154+92.08, 16.75' LT
BEGIN 6" GRANITE CURBING

ADJUST GATE BOX (WATER) (TYP.)

REFER TO LIGHTING PLAN FOR DETAILS (TYP.)

PROTECT EX. FENCE (TYP.)

REPAIR BITUMINOUS CONCRETE (SEE NOTE 1)

N/F
FOUR THOUSAND SEVEN HUNDRED TWO
82 HIGH STREET

INSTALL CONCRETE DRIVEWAY RAMP (TYP.)

PT CT#1 N 804866.49
E 990655.32

RESET EMH (TYP.)

PROTECT EX. CONC. CURB

N/F
WALGREEN EASTERN CO INC
102 WASHINGTON STREET

STA. 158+59.74, 20.31' LT
END CONCRETE SIDEWALK

STA. 158+59.74, 17.31' LT
END 6" GRANITE CURBING

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 158+53.11, 17.29' LT
R=181.84'

S 89°25'10" E
205.01'

153+00 154+00 155+00 156+00 157+00 158+00 159+00

REMOVE EX. FENCE

5' ORNAMENTAL FENCE

RIGHT-OF-WAY LINE (TYP.)

BENCHMARK
SQUARE CUT
PK NAIL & BASE
ELEV = 185.14'
NAVD88

STA. 155+10.84, 16.95' RT
BEGIN 6" GRANITE CURBING

STA. 155+10.82, 21.43' RT
BEGIN CONCRETE SIDEWALK

REMOVE EX. FENCE

CUT BIT. CONC. PAVEMENT (TYP.)

INSTALL FLEXI-PAVE (TYPE II) TREE PIT (TYP.)

INSTALL TOPSOIL & TURF ESTABLISHMENT (TYP.)

BUS SHELTER, TYPE A

N/F
THE STATE OF CONNECTICUT

BENCHMARK
SQUARE CUT
PK NAIL & BASE
ELEV = 183.07'
NAVD88

CITY OF NEW BRITAIN DISK (FOUND)

REPLACE EXISTING CB TOP
WITH TYPE 'C' CB TOP
STA. 158+53.11, 16.70' RT
R=181.97'

PC STA. 158+55.23, 16.70' RT

STA. 158+56.02, 21.20' RT
END CONCRETE SIDEWALK

STA. 158+57.61, 16.74' RT
END 6" GRANITE CURBING
MATCH EXISTING

POE STA. 159+00.00
℄ MYRTLE STREET
END TOD PHASE
N 804804.0065
E 990740.3187

R28'

LEGEND

- CONCRETE SIDEWALK
- INLAID PREFORMED THERMOPLASTIC SURFACE CROSSWALK
- CONC. DRIVEWAY RAMP
- BIT. CONC. DRIVEWAY
- BRICK PAVER SIDEWALK
- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- RIGHT-OF-WAY
- CUT BIT. CONC. PAVEMENT
- STREET LIGHT
- FLEXI-PAVE TREE PIT
- TOPSOIL & TURF ESTABLISHMENT
- (R) RIGHT TO GRADE
- (E) EASEMENT TO CONSTRUCT SIDEWALK REQUIRED/ACQUIRED

BASELINE CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA	PI: NORTHING	PI: EASTING
CURVE 10	30000.00	478.48'	239.24	000° 54' 50"	804808.51	990296.09

NOTES:
1. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE PAID FOR UNDER ITEM 0922500 - BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

2. REPAIR OF BITUMINOUS CONCRETE BEHIND SIDEWALK AT RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 0922501 - BITUMINOUS CONCRETE DRIVEWAY

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: JRE
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLN-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
CONSTRUCTION PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLN-07
SHEET NO.: 25 OF 43

Feb 28, 2025

ARMISTICE STREET

MYRTLE STREET

N

BENCHMARK
UTILITY POLE
MAG NAIL
ELEV.=229.65'
NAVD 88

F.F.E.=230.52'

F.F.E.=230.15'

F.F.E.=230.56'

229.5

229.0

228.5

228.0

227.5

227.0

227.35'

227.37'

114+00

115+00

116+00

200+00

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: GRD-43435.DWG

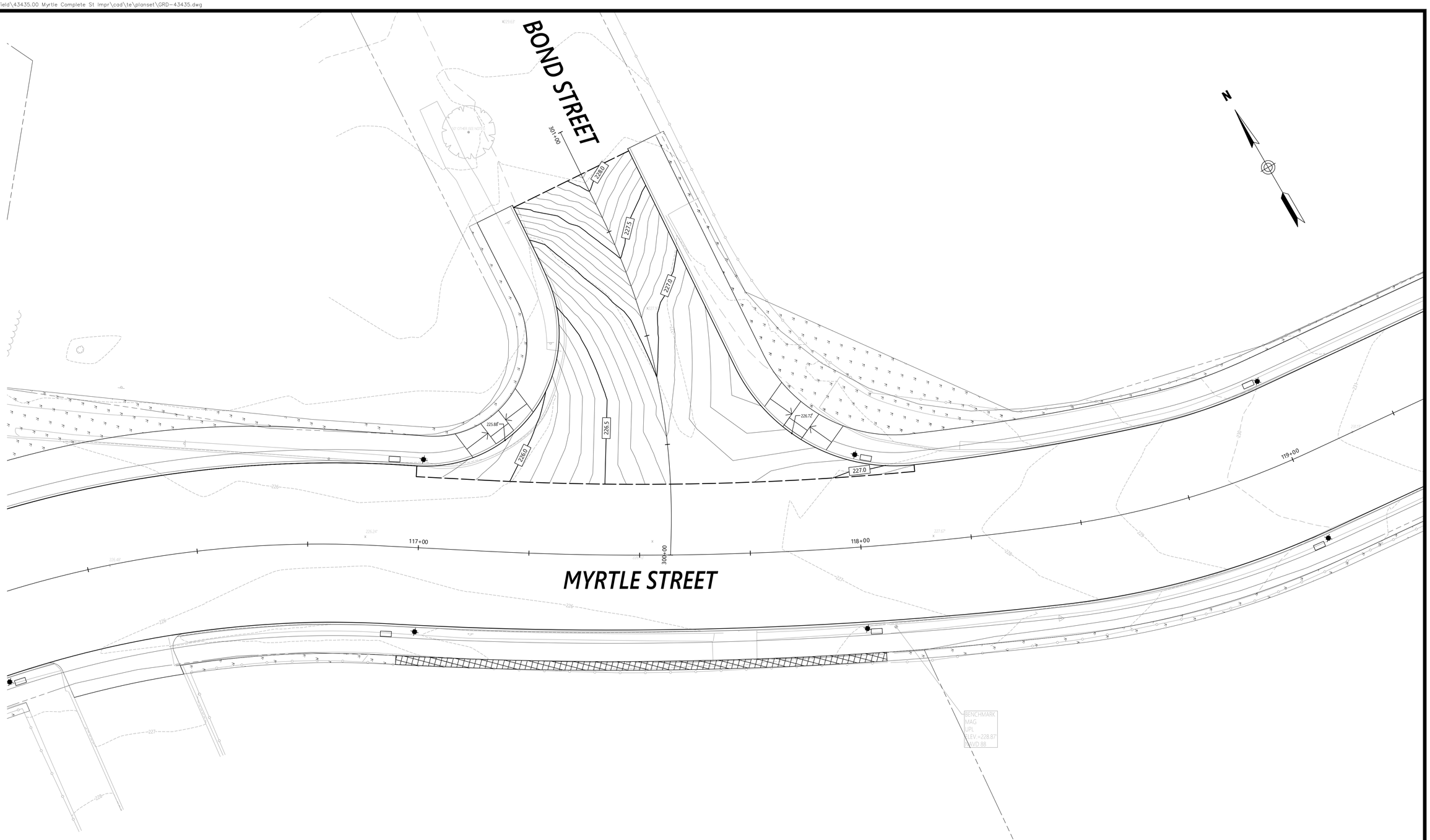
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
INTERSECTION GRADING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: GRD-01
SHEET NO.: 26 OF 43

Feb 28, 2025

\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\te\planset\GRD-43435.dwg



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

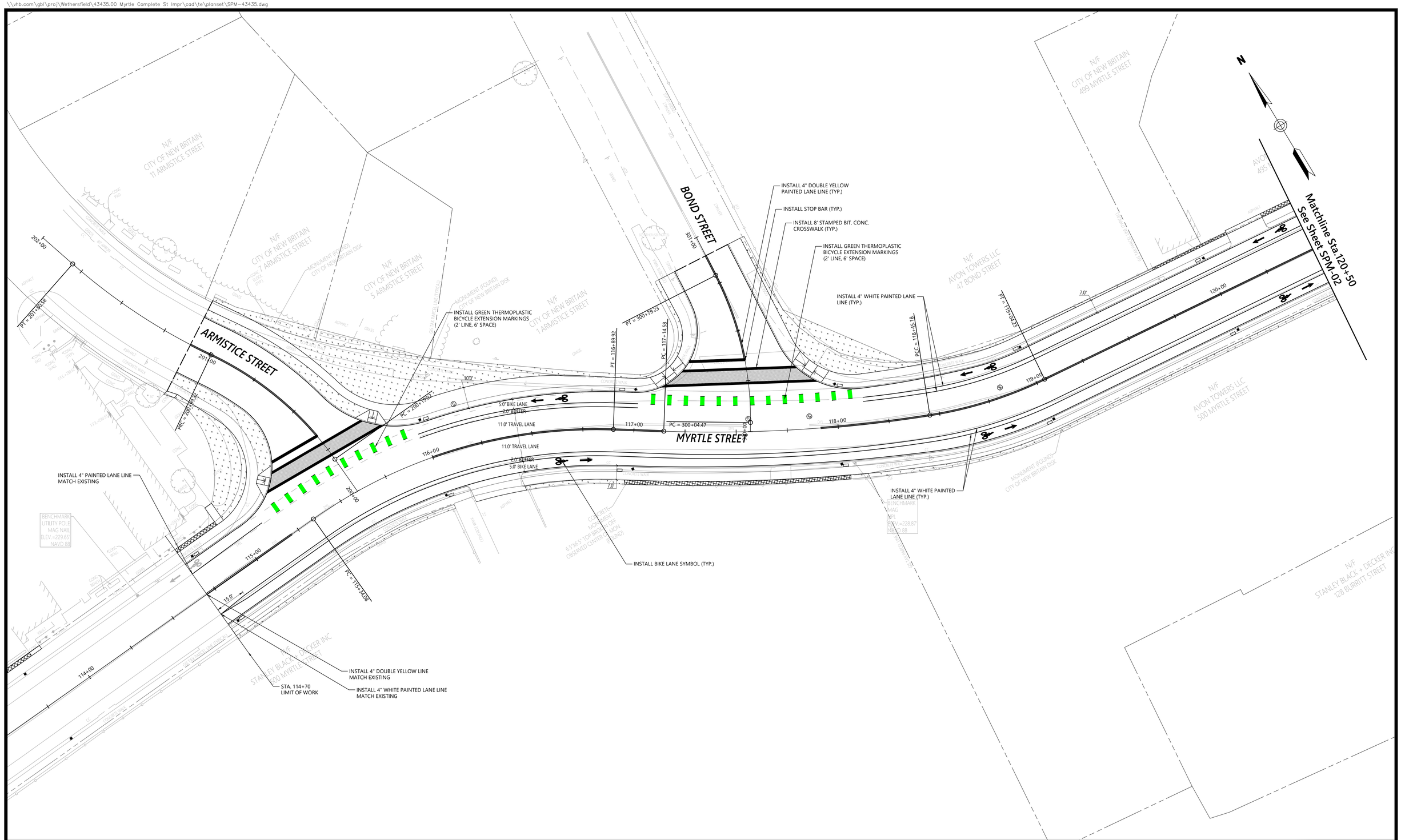
CADD FILENAME: GRD-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
INTERSECTION GRADING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: GRD-02
SHEET NO.: 27 OF 43

Feb 28, 2025



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
SIGNAGE & PAVEMENT MARKING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: SPM-01
SHEET NO.: 28 OF 43

Mar 03, 2025

N

BURRITT STREET

CLEVELAND STREET

MYRTLE STREET

INSTALL STAMPED BIT. CONC. CROSSWALK (TYP.)

INSTALL 4" YELLOW PAINTED LANE LINE (TYP.)

INSTALL 6" WHITE PAINTED LANE LINE (TYP.)

INSTALL SHARROWS (TYP.)

INSTALL 4" WHITE PAINTED LANE LINE (TYP.)

INSTALL BIKE LANE MARKING WITH GREEN THERMOPLASTIC BACKGROUND

INSTALL STOP BAR (TYP.)

INSTALL GREEN THERMOPLASTIC BICYCLE EXTENSION MARKINGS (2' LINE, 6' SPACE)

INSTALL BIKE LANE SYMBOL (TYP.)

PC = 121+24.48

PT = 122+00.90

5.0' BIKE LANE
1.9' BUFFER
11.0' TRAVEL LANE
11.0' TRAVEL LANE
18.0'
1.9' BUFFER
5.0' BIKE LANE
7.0' PARKING LANE
10.9' TRAVEL LANE
10.9' TRAVEL LANE
5.0' BIKE LANE

121+00
122+00
123+00
124+00
125+00
126+00

N/F
TOWERS LLC
MYRTLE STREET

N/F
ONE HUNDRED SEVENTY
FIVE BURRITT
175 BURRITT STREET

N/F
SAMMY WOODS JR &
ANN LAVOIE
471 MYRTLE STREET

N/F
LUZ S ARROYO
467 MYRTLE STREET

N/F
DAYNESA FRANCHESKA RIVERA
463 MYRTLE STREET

N/F
JOAN HAMILTON LLC
64 CLEVELAND STREET

N/F
STANLEY BLACK + DECKER INC
441 MYRTLE STREET

N/F
BELROSE INDUSTRIES 0605
435 MYRTLE STREET

N/F
AVON TOWERS LLC
480 MYRTLE STREET

BENCHMARK BM
BM CHISSOR
BM BACK 2X4
ELEV.=Z.ZZ.ZZ'
NAVD88

HMARK
HYDRANT
X CUT
ELEV.=230.90'
NAVD 88

Matchline Sta.120+50
See Sheet SPM-01

Matchline Sta.126+75
See Sheet SPM-03

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

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Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT. 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

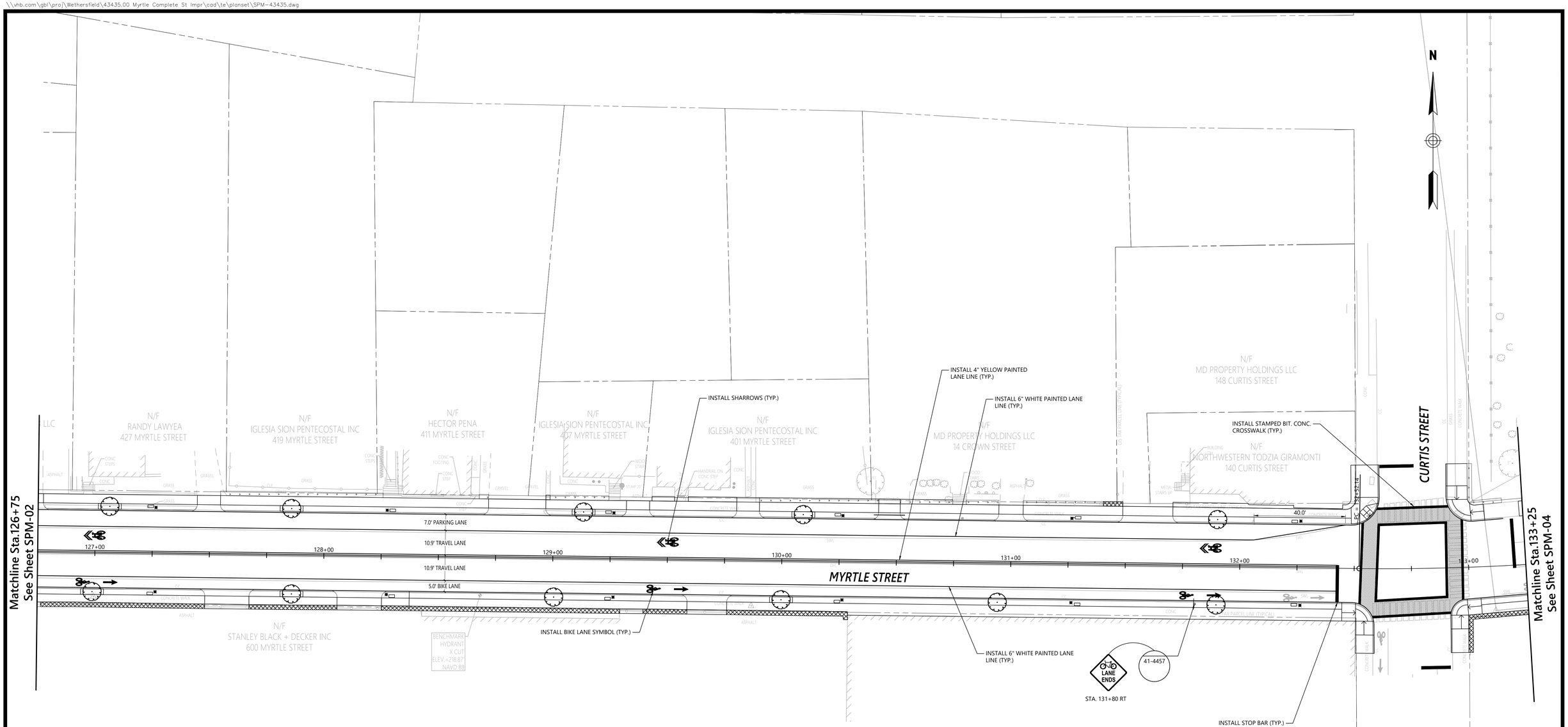
DRAWING TITLE:
SIGNAGE & PAVEMENT
MARKING PLAN

PROJECT NO.:
43435.00

DRAWING NO.:
SPM-02

SHEET NO.:
29 OF 43

Feb 28, 2025



REV.	DATE	DESCRIPTION	SHEET. NO.
		REVISIONS	

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
SIGNAGE & PAVEMENT MARKING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: SPM-03
SHEET NO.: 30 OF 43

Feb 28, 2025

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N

CLAIM EASEMENT
VOL. 0 P. 464

BENCHMARK
BMXCUTSET
ELEV.=198.48'
NAVD 88

N/F
MTP-1 CELEBRATION FOODS
1 CELEBRATION WAY

CELEBRATION WAY

BENCHMARK
HYDRANT
X CUT
ELEV.=204.26
NAVD 88

INSTALL WHITE DOTTED EXTENSION LINE (2' LINE, 4' SPACE)

1/4" DRILL HOLE (FOUND)

"BENT ½" REBAR FOUND B.G. 0.30' S82°48'24"E 0.9' FROM CORNER

PC = 138+19.77

PT = 139+05.05

PT = 133+55.25

133+00

134+00

135+00

136+00

137+00

138+00

139+00

150.0'

MYRTLE STREET

Matchline Sta.133+25
See Sheet SPM-04

Matchline Sta.139+75
See Sheet SPM-05

N/F
STANLEY BLACK + DECKER INC
600 MYRTLE STREET

STA. 138+00
END LOTCIP PHASE
BEGIN TOD PHASE

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

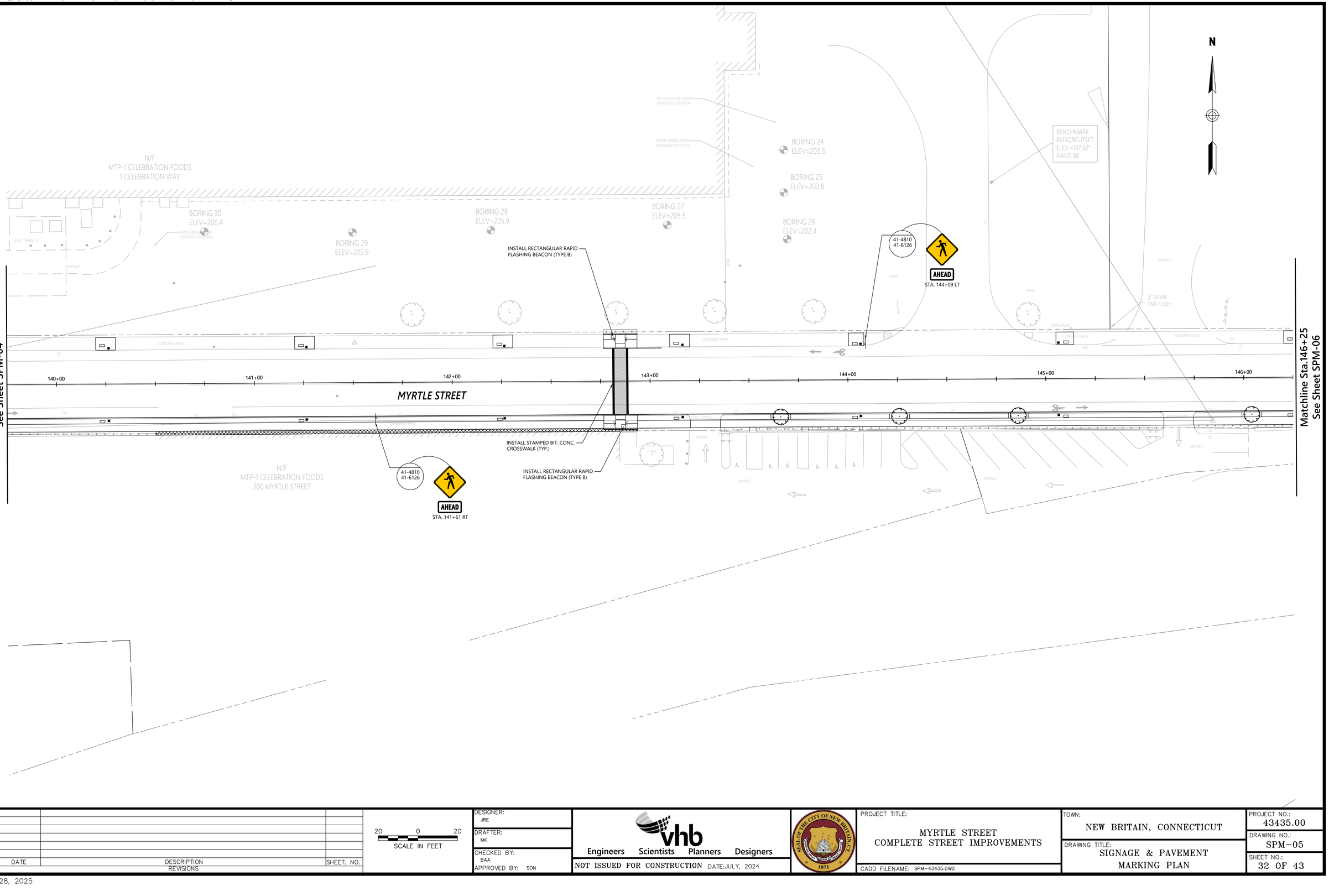
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
SIGNAGE & PAVEMENT MARKING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: SPM-04
SHEET NO.: 31 OF 43

Feb 28, 2025

\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\te\planset\SPM-43435.dwg



REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
SIGNAGE & PAVEMENT MARKING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: SPM-05
SHEET NO.: 32 OF 43

Feb 28, 2025

\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\te\planset\SPM-43435.dwg

N

Matchline Sta.146+25
See Sheet SPM-05

Matchline Sta.152+75
See Sheet SPM-07

N/F
NBPIII MYRTLE LLC
255 MYRTLE STREET

N/F
FOUR THOUSAND S
HUNDRED TWO
1 GROVE STREE

GROVE STREET

MYRTLE STREET

INSTALL STAMPED BIT. CONC. CROSSWALK (TYP.)

PED BUTTON ACTIVATED RRFB TYPE B (DOUBLE SIDED) WARNING SIGN W/ WIRELESS COMMUNICATION

41-4810
41-6126

AHEAD

STA. 152+46 LT

PC = 152+16.51

147+00 148+00 149+00 150+00 151+00 152+00

BENCHMARK
HYDRANT
"X" CUT
ELEV.=191.69'
NAVD 88

41-4810
41-6126

AHEAD

STA. 149+98 RT

PED BUTTON ACTIVATED RRFB TYPE B (DOUBLE SIDED) WARNING SIGN W/ WIRELESS COMMUNICATION

N/F
THE STATE OF CONNECTICUT

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
SIGNAGE & PAVEMENT MARKING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: SPM-06
SHEET NO.: 33 OF 43

Feb 28, 2025

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N

HIGH STREET

WASHINGTON STREET

MYRTLE STREET

N/F
FOUR THOUSAND SEVEN
HUNDRED TWO
82 HIGH STREET

N/F
WALGREEN EASTERN CO INC
102 WASHINGTON STREET

N/F
THE STATE OF CONNECTICUT

Matchline Sta.152+75
See Sheet SPM-06

153+00 154+00 155+00 156+00 157+00 158+00 159+00

PTI = 156+94.99

INSTALL STAMPED BIT. CONC. CROSSWALK (TYP.)

BENCHMARK
SQUARE CUT
PEDSIG BASE
ELEV.=185.14'
NAVD88

BENCHMARK
SQUARE CUT
PEDSIG BASE
ELEV.=183.07'
NAVD88

CITY OF NEW BRITAIN DISK
(FOUND)

CITY OF NEW BRITAIN DISK
(FOUND)

STA 159+00
END TOD PHASE

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: SPM-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

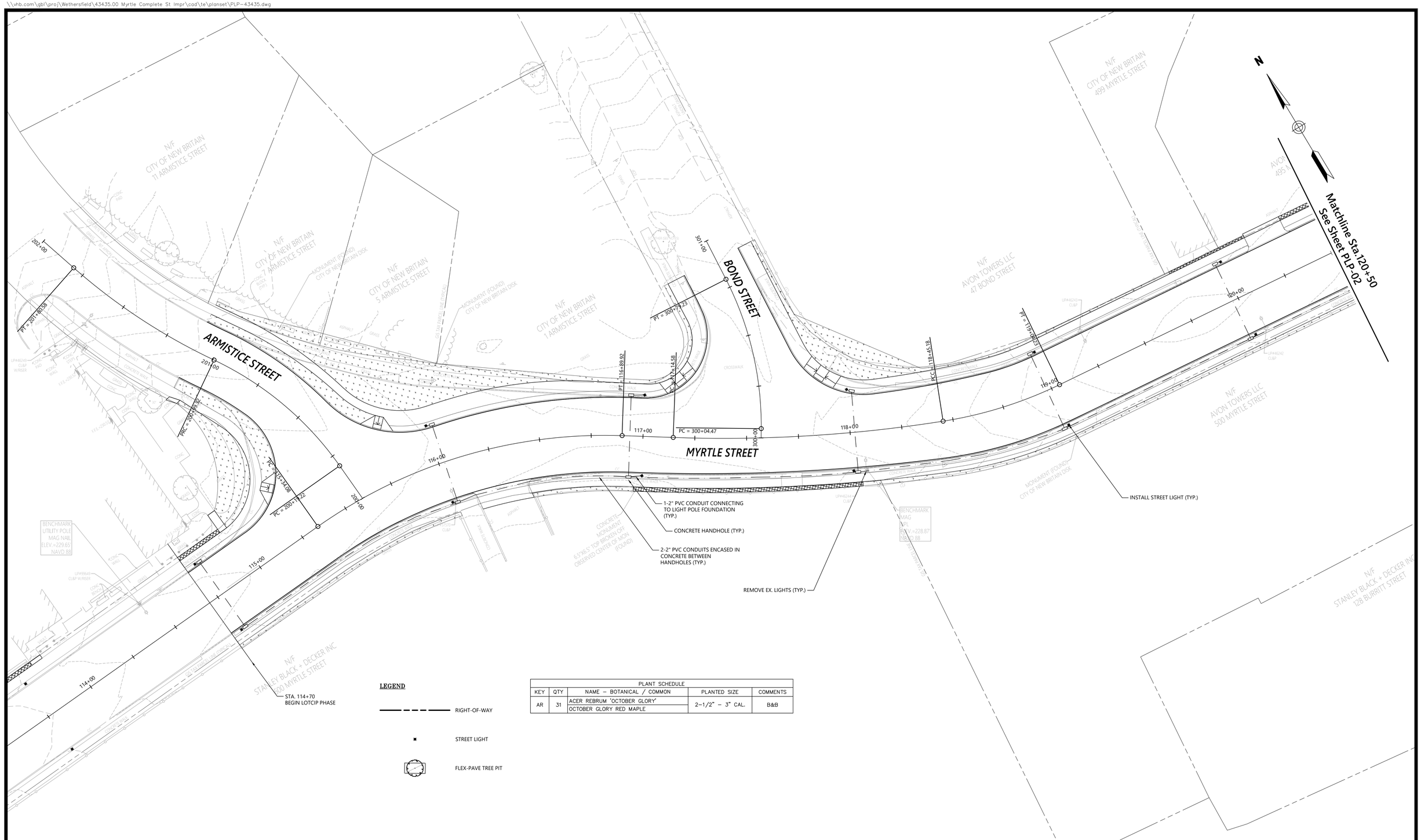
DRAWING TITLE:
SIGNAGE & PAVEMENT
MARKING PLAN

PROJECT NO.:
43435.00

DRAWING NO.:
SPM-07

SHEET NO.:
34 OF 43

Feb 28, 2025



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2-1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

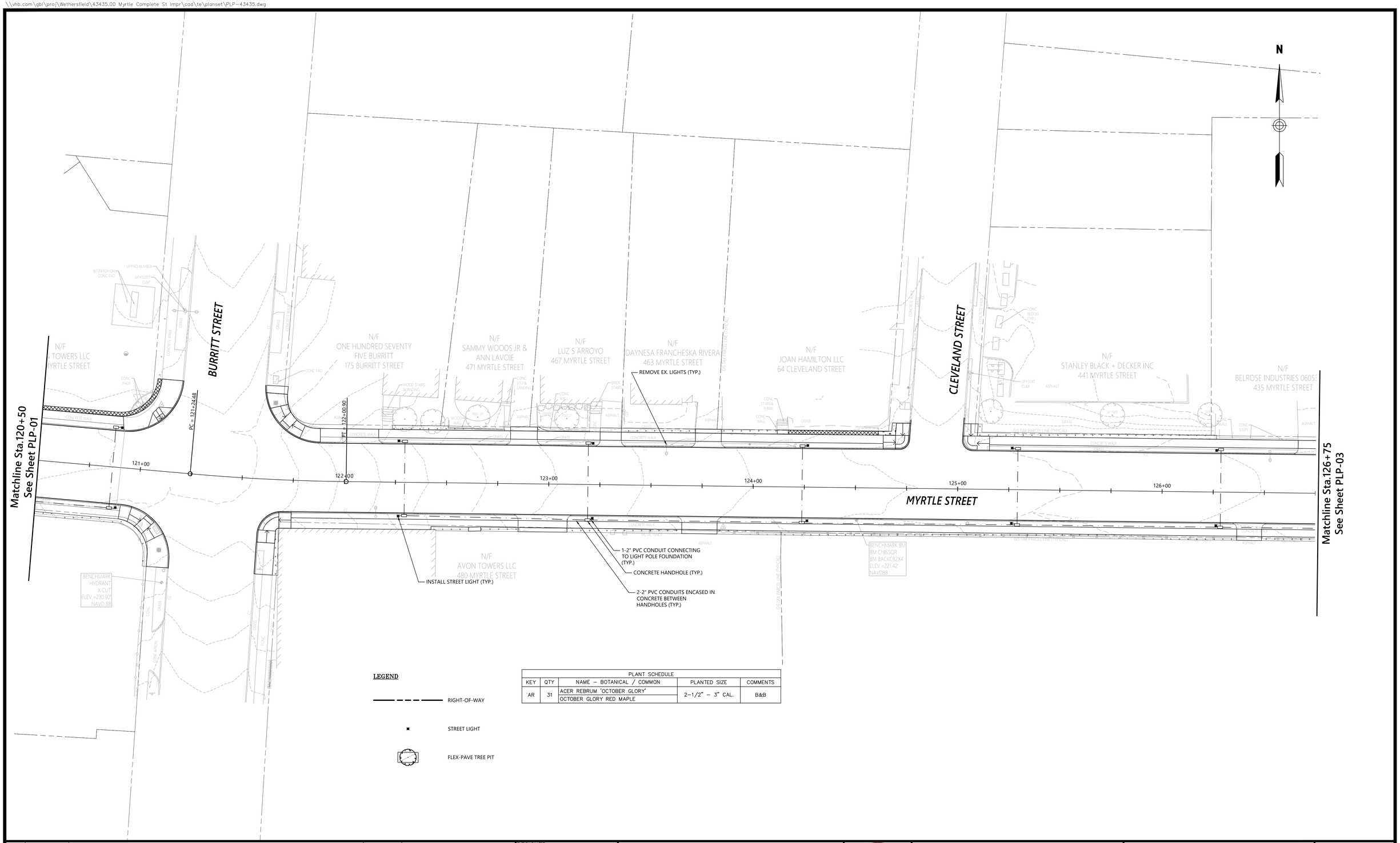
CADD FILENAME: PLP-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-01
SHEET NO.: 35 OF 43

Feb 28, 2025



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

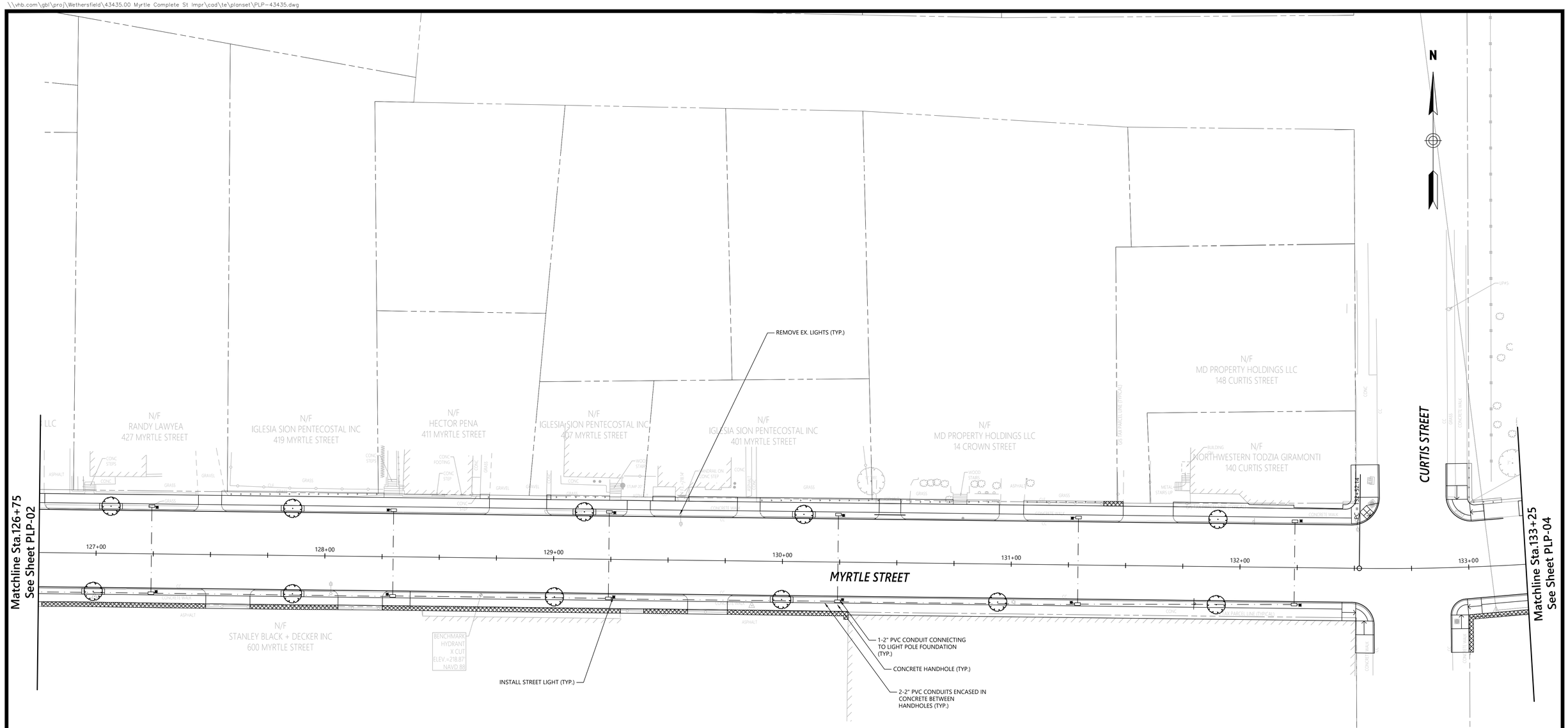
CADD FILENAME: PLP-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-02
SHEET NO.: 36 OF 43

Feb 28, 2025



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

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Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

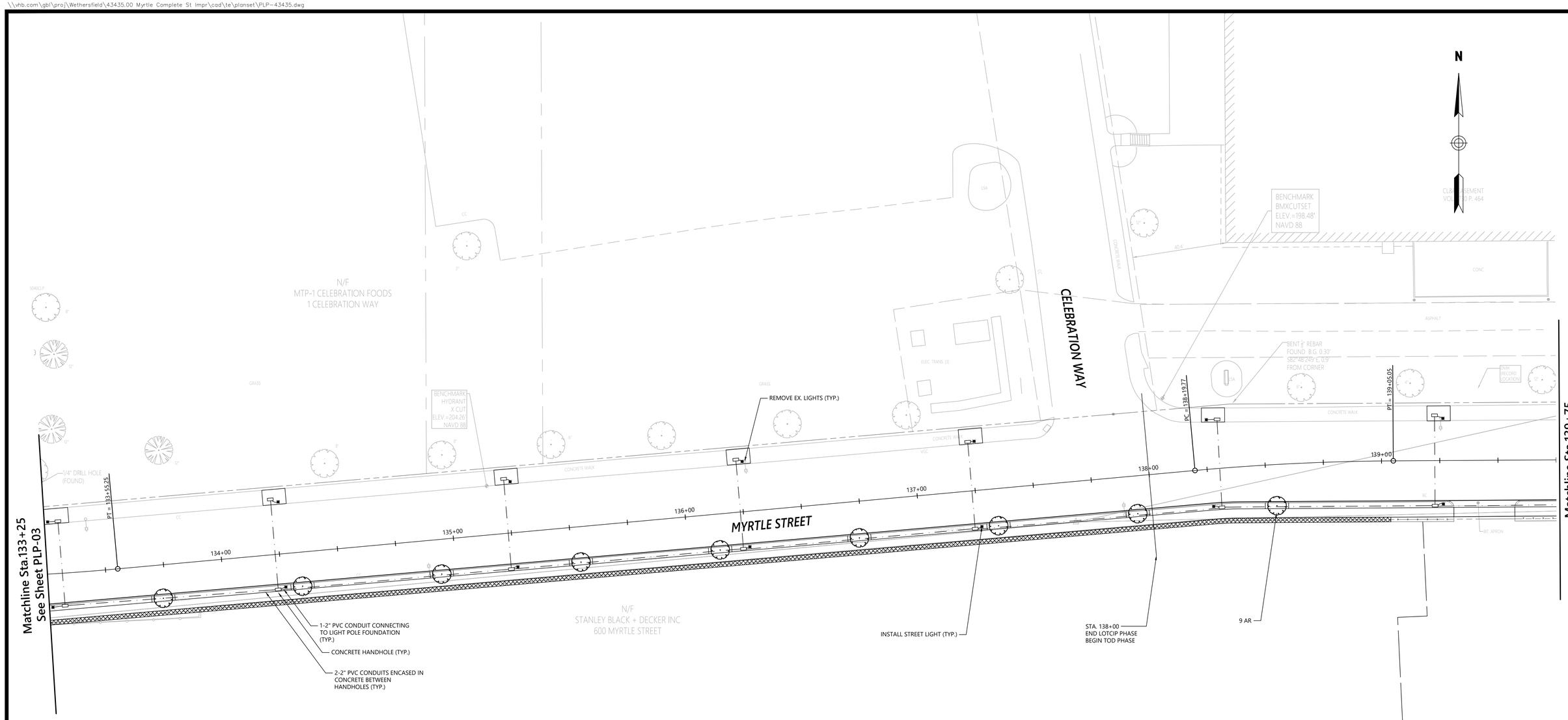
CADD FILENAME: PLP-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-03
SHEET NO.: 37 OF 43

Feb 28, 2025



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY.	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLP-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-04
SHEET NO.: 38 OF 43

Feb 28, 2025

Matchline Sta.139+75
See Sheet PLP-04

Matchline Sta.146+25
See Sheet PLP-06

N

N/F
MTP-1 CELEBRATION FOODS
1 CELEBRATION WAY

N/F
MTP-1 CELEBRATION FOODS
200 MYRTLE STREET

BENCHMARK
BMSQRCUTSET
ELEV.=197.62'
NAVD 88

BORING 24
ELEV=203.5

BORING 25
ELEV=203.8

BORING 26
ELEV=202.4

BORING 27
ELEV=205.5

BORING 28
ELEV=205.9

BORING 29
ELEV=205.9

BORING 30
ELEV=206.4

WATER LATERAL FROM PROPOSED LOCATION

SEWER LATERAL FROM PROPOSED LOCATION

ELEC. TRANS. (2)

REMOVE EX. LIGHTS (TYP.)

3" REBAR FND FLUSH

METAL POST

140+00 141+00 142+00 143+00 144+00 145+00 146+00

MYRTLE STREET

1-2" PVC CONDUIT CONNECTING TO LIGHT POLE FOUNDATION (TYP.)

CONCRETE HANDHOLE (TYP.)

2-2" PVC CONDUITS ENCASED IN CONCRETE BETWEEN HANDHOLES (TYP.)

INSTALL STREET LIGHT (TYP.)

4 AR

LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE

KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

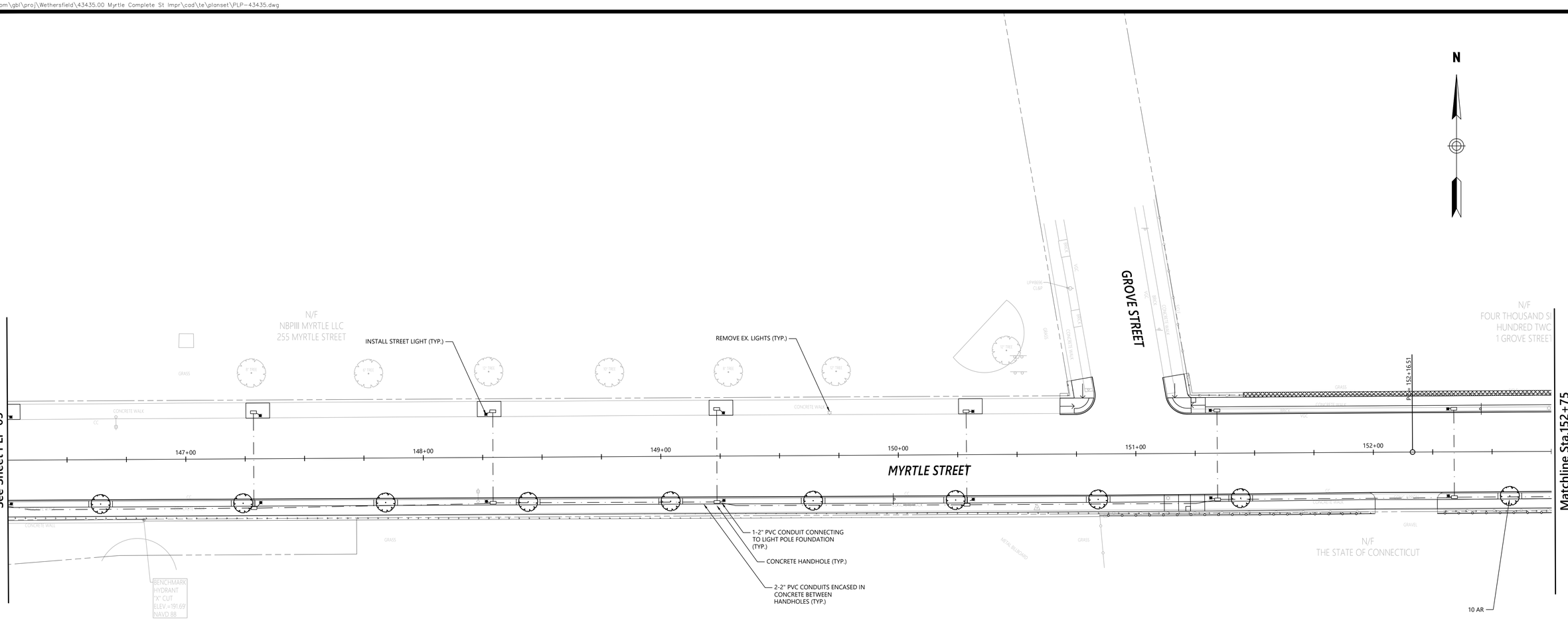
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TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-05
SHEET NO.: 39 OF 43

Feb 28, 2025



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN CT
INCORPORATED MAY 1850 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLP-43435.DWG

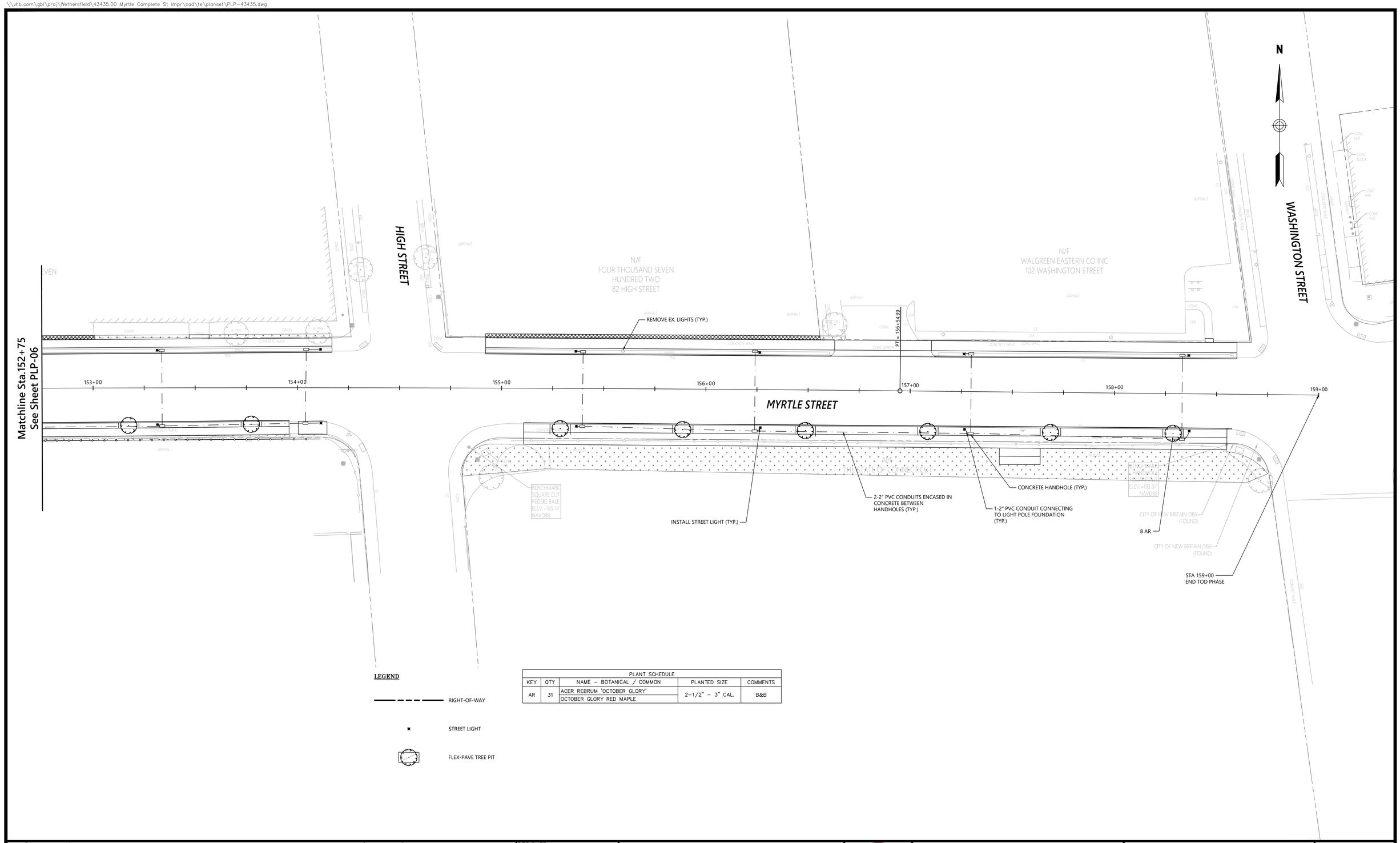
TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-06
SHEET NO.: 40 OF 43

Feb 28, 2025

\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\te\planset\PLP-43435.dwg



LEGEND

RIGHT-OF-WAY

STREET LIGHT

FLEX-PAVE TREE PIT

PLANT SCHEDULE				
KEY	QTY	NAME – BOTANICAL / COMMON	PLANTED SIZE	COMMENTS
AR	31	ACER REBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2–1/2" – 3" CAL.	B&B

REV.	DATE	DESCRIPTION REVISIONS	SHEET. NO.

20 0 20
SCALE IN FEET

DESIGNER: JRE
DRAFTER: MK
CHECKED BY: BAA
APPROVED BY: SON

vhb
Engineers Scientists Planners Designers

NOT ISSUED FOR CONSTRUCTION DATE:JULY, 2024

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE:
MYRTLE STREET
COMPLETE STREET IMPROVEMENTS

CADD FILENAME: PLP-43435.DWG

TOWN:
NEW BRITAIN, CONNECTICUT

DRAWING TITLE:
PLANTING & LIGHTING
PLAN

PROJECT NO.: 43435.00
DRAWING NO.: PLP-07
SHEET NO.: 41 OF 43

Feb 28, 2025

MOVEMENT DIAGRAM

NTOR		PHASE 1			PHASE 2 (PRE-EMPT 1)			PHASE 3			PHASE 4 (PRE-EMPT 2)			PHASE 5			PHASE 6 (PRE-EMPT 1)			PHASE 7			PHASE 8			PHASE 9		
	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
1	R	◄ R	◄Y R	R	R	R	R				R	R	R				G	Y	R							R	R	R
2	R	R	R	R	G	Y	R				R	R	R				R	R	R							R	R	R
4	R	R	R	R	R	R	R				G	Y	R				R	R	R							R	R	R
6	R	R	R	R	R	R	R				R	R	R				G	Y	R							R	R	R
P	OFF	◄ DW			◄ DW						◄ DW						◄ DW									WØ	◄ DW	
MIN		5	3	1	10	3	1				10	2	1				10	2	1							7	7	4	0
MAX		15	5	3	80	5	3				40	5	3				80	5	3							15	15	4	0
MIN GRN		5			15						7						15											
WALK																										7		ACCESSIBLE PEDESTRIAN SIGNAL
PED CLR																										6		
VEH EXT		2									2																	
MAX 1		7			40						15						51											
MAX 2																												
YELLOW			3.0			3.3						3.0						3.3									4.0	
RED				1.0			2.0						2.2						2.0									0.0
ADD INIT																												COUNTDOWN PEDESTRIAN SIGNAL
MAX INIT																												
TBR																												
TTR																												
MIN GAP																												
MODE		NON-LOCK			MIN RECALL			OFF			NON-LOCK			OFF			MIN RECALL			OFF			OFF			NON-LOCK		
INT START					THIS PHASE												THIS PHASE											

DETECTORS

IDENT	SIZE (WXL)	TYPE	MODE
D1	9' X 50'	VIDEO 360	PRESENCE
D2	14' X 50'	VIDEO 360	PRESENCE
D4	12' X 50'	VIDEO 360	PRESENCE
D4A	15' X 50'	VIDEO 360	PRESENCE
D6	9' X 50'	VIDEO 360	PRESENCE

SYSTEM LOC: MASTER

COORDINATION TYPE: NONE

PROGRAM			CYCLE	OFFSET	
FUNCTION	TIME	DAYS		SEC	%
FLASH	NONE				
MAX 1	ALL TIMES				
MAX 2	FUTURE				

PHASE SPLITS — SEC / %

ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9

PERMIS PERIOD	
ø	SEC

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.	NO	NO
HOLD GREEN	15	15
HOLD YELLOW	3.3	3.3
HOLD RED	2.0	2.2
HOLD PHASE	2&6	4
EXIT PHASE	4	2&6
EXIT CALL	NONE	NONE

SIGN LEGEND

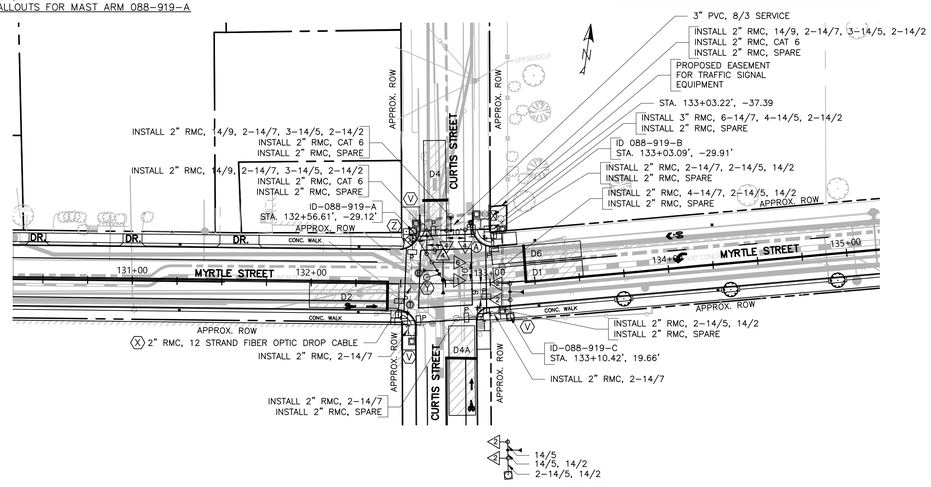
Ⓐ 31-0816 NO TURN ON RED

14/9, 3-14/5, 2-14/2, CAT 6
14/9, 2-14/5, 2-14/2, CAT 6
14/9, 14/5, 2-14/2, CAT 6
14/9, 14/5, 14/2, CAT 6
14/9, 14/5, 14/2

ELECTRICAL CALLOUTS FOR MAST ARM 088-919-A

14/5
14/5, 14/2
2-14/5, 14/2

ELECTRICAL CALLOUTS FOR MAST ARM 088-919-B



14/5
14/5, 14/2
2-14/5, 14/2

ELECTRICAL CALLOUTS FOR MAST ARM 088-919-C

NOTES:

1. CITY TO MAINTAIN ALL PAVEMENT MARKINGS AND SIGNING.
2. ALL CROSSWALKS TO BE BAR TYPE CROSSWALKS (16" BAR, 24" SPACE, 8' WIDTH) – CITY MAINTAINED.
3. ALL HANDHOLES ARE 30" X 30".
4. ALL STOP BARS SHALL BE 12" WIDE.

MAST ARM INFORMATION

ID #	ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED
088-919-A	*	35'	–
088-919-B	*	30'	–
088-919-C	*	20'	–

* TO BE CALCULATED BY THE CONTRACTOR BASED ON FIELD CONDITIONS
BOTTOM OF TRAFFIC SIGNAL HEADS MUST BE MOUNTED AT A HEIGHT OF 16'-18' ABOVE THE ROADWAY SURFACE

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R RED
Y YELLOW
G GREEN
◄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
- EXISTING PEDESTAL
- 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
- EXISTING LIGHT POLE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- TRAFFIC MONITORING CAMERA ASSEMBLY
- AUDIO DETECTOR
- 360° CAMERA ASSEMBLY
- CAT6 CATEGORY 6 CABLE
- EXISTING LIGHT POLE WITH ARM
- PROPOSED LIGHT POLE WITH ARM
- SIDEWALK RAMP
- CABLE CLOSURE
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

DATE PLOTTED : Mar 03, 2025

\\vhb.com\gbl\proj\Wethersfield\43435.00 Myrtle Complete St Impr\cad\ts\planset\TCS-43435.dwg

CITY OF NEW BRITAIN

MYRTLE STREET AT CURTIS STREET

SCALE 1" = 40'

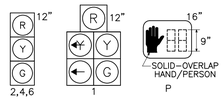
TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CLEARANCE INTERVAL.

OFFICE RECORD

REV # TIR # SM # N/A
OSTA #
TRAFFIC SIGNAL EQUIPMENT TO BE REPLACED AND NEW CROSSWALKS INSTALLED.

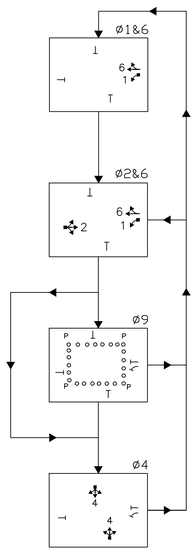
SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.

ALL VEHICULAR SIGNAL FACES HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDER.

PHASE DIAGRAM



CONSTRUCTION NOTES :

1. ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.
2. STAKE ALL R.O.W. PRIOR TO EXCAVATION.
3. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF NEW BRITAIN PRIOR TO INSTALLATION.
4. 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.
5. INSTALL CONTROLLER AND CABINET ON TYPE IV CONTROLLER FOUNDATION.
6. ALL HANDHOLES SHALL BE 30" X 30".
7. Ⓥ INSTALL CAST IRON HANDHOLE COVER.
8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND CITY PERMITS, INCLUDING BUT NOT LIMITED TO: SIDEWALK, CURB, AND ROAD OPENING.
9. REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
10. ALL SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR TO PROVIDE TWO SETS OF CABINET WIRING DIAGRAMS IN THE CABINET AND ONE DIGITAL COPY IN PDF FORMAT TO THE CITY.
12. CONTRACTOR SHALL TELEPHONE "CALL BEFORE YOU DIG" 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY REPRESENTATIVES AND CITY AGENCIES TWO WEEKS PRIOR TO EXCAVATION.
13. COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 – LEGAL RELATIONS AND RESPONSIBILITIES.
14. CONTRACTOR SHALL PROVIDE TEMPORARY SIGNALIZATION AT THIS INTERSECTION UNDER ITEM #1118051A – TEMPORARY SIGNALIZATION (SITE NO. 1).
15. CAMERA ASSEMBLY LOCATIONS ARE FOR ILLUSTRATION ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE MANUFACTURER OR THE DESIGNATED REPRESENTATIVE. CAMERA CABLE IS TO BE INSTALLED CONTINUOUS BETWEEN THE CAMERA AND THE CONTROLLER CABINET. NO SPLICES WILL BE ALLOWED.
16. REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED SIGNS, AS DIRECTED BY THE ENGINEER.
17. THE TOP OF MAST ARM AND PEDESTAL FOUNDATIONS WITHIN SIDEWALK AREAS ARE TO BE LEVEL WITH SIDEWALK. IN EARTH AREAS, MAST ARM AND PEDESTAL FOUNDATIONS TO HAVE A 3" REVEAL.
18. CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.
19. ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE MAST ARM BY USE OF ADJUSTABLE BRACKETS.
20. THE COLOR OF THE FINISH COAT FOR STEEL MAST ARMS, ANCHOR BOLT COVERS, POST CAPS, END CAPS, ALUMINUM PEDESTALS, TRAFFIC/PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS AND ALL BRACKETS AND HARDWARE, INCLUDING STAINLESS STEEL BANDS, SHALL BE BLACK, AEROSPACE MATERIAL SPECIFICATION – STANDARD 595 (AMS-STD-595), COLOR NO. 27038. COLOR SAMPLES TO BE PROVIDED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
21. PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.
22. Ⓧ INSTALL 2" RMC TO CONNECT TO TELEPHONE DUCT BANK. DISCONNECT EXISTING 12 STRAND FIBER OPTIC DROP CABLE AND SPLICE NEW 12 STRAND FIBER OPTIC DROP CABLE IN EXISTING SPLICE ENCLOSURE, MATCHING COLORS OF EXISTING DROP CABLE. CONTACT FRONTIER FOR PERMISSION TO ACCESS MANHOLE.
23. Ⓨ VIDEO DETECTION BY USE OF VIDEO-360 CAMERA.
24. REFER TO SEPARATE PLAN FOR SIDEWALK RAMPS, PAVEMENT MARKINGS, AND ADDITIONAL SIGNAGE.
25. INSTALL 8' ALUMINUM PEDESTALS IN BACK CORNER OF LANDING AREAS, AS SHOWN ON THE PLAN.
26. Ⓩ REMOVE THE EXISTING MAST ARM FOUNDATION ON THE NORTHWEST CORNER. INSTALL MAST ARM #088-919-A AT THE APPROXIMATE LOCATION OF EXISTING MAST ARM, AS SHOWN ON THE PLAN.

CITY SIGNAL

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

vhb
100 Great Meadow Road, Suite 200
Wethersfield, Connecticut 06109
Tel: 860 807-4300 Fax: 860 372-4570

INTERSECTION # 088-919

ENERGY BY - CITY | METER # - N/A
MAINT LEVEL - CITY | SERVICE - MH 'E'
METERED SERVICE

TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO. 43435
DRAWING NO. TCS-01
SHEET NO.

MOVEMENT DIAGRAM

	NTOR	PHASE 1	PHASE 2 (PRE-EMPT 1)	PHASE 3	PHASE 4 (PRE-EMPT 2)	PHASE 5	PHASE 6 (PRE-EMPT 1)	PHASE 7	PHASE 8	PHASE 9
			⊥ 2 ⊢ T		4 ⊢ 8 ⊢		⊥ ⊢ 6 T			P ⊥ P ⊢ ⊢ P T P
	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
	2 R		G Y R		R R R		R R R			R R R
	4 R		R R R		G Y R		R R R			R R R
	6 R		R R R		R R R		G Y R			R R R
	8 R		R R R		G Y R		R R R			R R R
F	P OFF		◄── DW ──►		◄── DW ──►		◄── DW ──►			WØ ◄── DW ──►
A										
C										
E										
#										
	MIN		10 3 1		5 3 1		10 2 1			7 11 4 0
	MAX		60 5 3		40 6 3		80 5 3			7 11 4 0
	MIN GRN		15		10		15			
	WALK									7
	PED CLR									13① ACCESSIBLE PEDESTRIAN SIGNAL
	VEH EXT				3					
	MAX 1		24		15		24			
	MAX 2		24		15		24			
I	YELLOW		3.0		3.1		3.0			4.0
N	RED		1.9		1.8		1.9			0.0
T	ADD INIT									
E	MAX INIT									
R	TBR									COUNTDOWN PEDESTRIAN SIGNAL
V	TTR									
A	MIN GAP									
L	MODE	NON-LOCK	MIN RECALL	OFF	NON-LOCK	OFF	MIN RECALL	OFF	OFF	NON-LOCK
S	INT START		THIS PHASE				THIS PHASE			

DETECTORS

IDENT	SIZE (WXL)	TYPE	MODE
D2	*	VIDEO 360	PRESENCE
D4	*	VIDEO 360	PRESENCE
D6	*	VIDEO 360	PRESENCE
D8	*	VIDEO 360	PRESENCE

* EXISTING DETECTION ZONES SHOWN ON PLAN ARE APPROXIMATE. ACTUAL DIMENSIONS ARE NOT AVAILABLE.

SYSTEM LOC MASTER

COORDINATION TYPE: NONE

PROGRAM FUNCTION	PROGRAM TIME	DAYS
FLASH	NONE	
MAX 1	ALL TIMES	
MAX 2	FUTURE	

CYCLE	OFFSET SEC	OFFSET %

PHASE SPLITS — SEC / %

ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9

PERMIS PERIOD ø	SEC

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.	9	9
HOLD GREEN	15	15
HOLD YELLOW	3.0	3.1
HOLD RED	1.9	1.8
HOLD PHASE	2&6	4
EXIT PHASE	4	2&6
EXIT CALL	NONE	NONE

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.

OFFICE RECORD

REV # TIR # SM # N/A

OSTA #

REPLACE SIDEWALK RAMPS AND INSTALL NEW PEDESTRIAN TRAFFIC SIGNAL EQUIPMENT.

SIGN LEGEND

Ⓐ 31-0802 (STOP HERE ON RED)

Ⓑ 31-0830 (NO TURN ON RED)

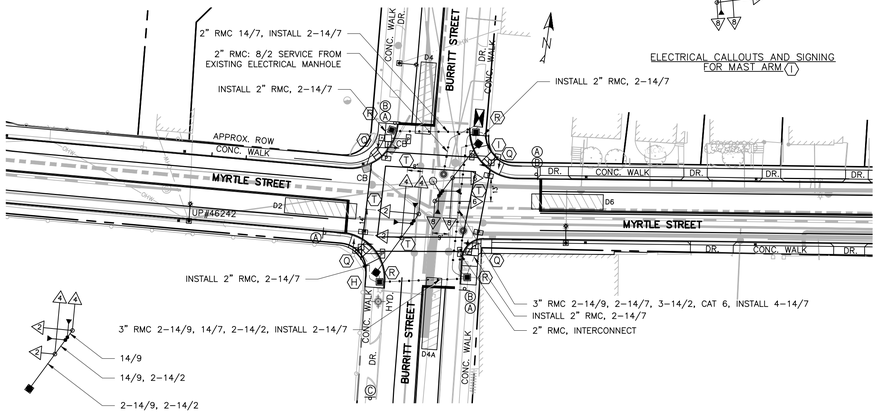
Ⓒ 31-5505 (SPEED LIMIT 25)

NOTES:

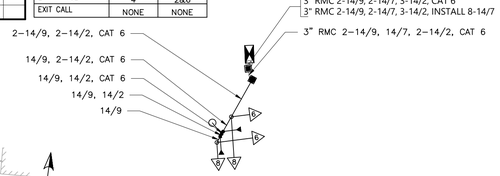
1. CITY TO MAINTAIN ALL PAVEMENT MARKINGS AND SIGNING.
2. Ⓣ ALL CROSSWALKS TO BE BAR TYPE CROSSWALKS (16" BAR, 24" SPACE, 8' WIDTH) – CITY MAINTAINED.
3. ALL HANDHOLES ARE 30" X 30".
4. ALL STOP BARS SHALL BE 12" WIDE.

MAST ARM DESIGN CRITERIA PER SPECIFIC LOCATION

ID	SHAFT HEIGHT	ARM LENGTH
Ⓗ	20'	40'
Ⓘ	20'	40'

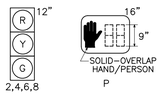


ELECTRICAL CALLOUTS AND SIGNING FOR MAST ARM Ⓗ



ELECTRICAL CALLOUTS AND SIGNING FOR MAST ARM Ⓘ

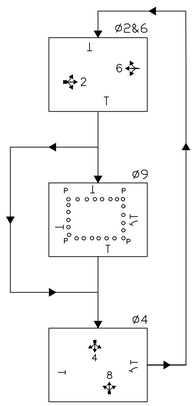
SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.

ALL VEHICULAR SIGNAL FACES HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDER.

PHASE DIAGRAM



CONSTRUCTION NOTES :

1. ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
2. (Q) INSTALL 8' ALUMINUM PEDESTAL ON NEW FOUNDATION WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS.
3. (R) CLEAN EXISTING HANDHOLE AND MODIFY TO ACCOMMODATE NEW CONDUIT.
4. INSTALL NEW ATC COMMANDER CONTROLLER AND MMU IN EXISTING CABINET. REFER TO SPECIAL PROVISION #1108165A.
5. PAINT BOTH EXISTING MAST ARMS BLACK, AEROSPACE MATERIAL SPECIFICATION – STANDARD 595 (AMS-STD-595) COLOR NO. 27038. REFER TO SPECIAL PROVISION #0603661A.

CITY SIGNAL

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

vhb
100 Great Meadow Road, Suite 200
Wethersfield, Connecticut 06109
Tel: 860 807-4300 Fax: 860 372-4570

INTERSECTION # 88-918

ENERGY BY - CITY | METER # - N/A

MAINT LEVEL - CITY | SERVICE - MH-'E'

METERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:

R RED
Y YELLOW
G GREEN
◄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

EXISTING PEDESTAL
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

EXISTING LIGHT POLE
PROPOSED CONTROLLER
EXISTING CONTROLLER
TRAFFIC MONITORING CAMERA ASSEMBLY
AUDIO DETECTOR
360° CAMERA ASSEMBLY
CAT6 CATEGORY 6 CABLE

EXISTING LIGHT POLE WITH ARM
PROPOSED LIGHT POLE WITH ARM
SIDEWALK RAMP
CABLE CLOSURE
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

CITY OF NEW BRITAIN

MYRTLE STREET AT BURRITT STREET

TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO. 43435

DRAWING NO. TCS-02

SHEET NO.

DATE PLOTTED : Mar 05, 2025

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SCALE 1" = 40'

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # **L088-0006 & L088-0199** **REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-211_01	ANTI-TRACKING PAD	11-09-22
	HW-286_01	DRAINAGE TRENCH EXCAVATION	11-09-22
	HW-505 01a	STRAIGHT ENDWALLS	02-28-24
	HW-505 01b	STEEL REINFORCING FOR STRAIGHT ENDWALLS (2" DIFF BASE TO FLOW LINE)	01-05-24
	HW-505 01c	STEEL REINFORCING FOR STRAIGHT ENDWALLS (STANDARD RIPRAP APPLICATION)	01-05-24
	HW-505_02	TYPE "D-G" & "L" ENDWALLS	01-05-24
✓	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" STRUCTURES	01-05-24
	HW-586_02	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I STRUCTURES	01-05-24
	HW-586_03	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II STRUCTURES	01-05-24
	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	10-17-24
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	10-17-24
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	10-17-24
✓	HW-586 07a	CATCH BASIN TYPE "C" AND "C-L" TOPS	01-05-24
	HW-586 07b	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE I TOPS	11-09-22
	HW-586 07c	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE II TOPS	11-08-22
	HW-586 07d	CATCH BASIN TYPE "C-G" AND "C-M" BARRIER CURB TOPS	11-09-22
✓	HW-586_08	CATCH BASIN FRAMES AND GRATES	11-09-22
	HW-586_09	CATCH BASIN LOCK DOWN TOPS	11-09-22
	HW-586_10a	MANHOLE FRAME AND COVER	01-05-24
	HW-586_10b	MANHOLE FRAME AND GRATE	01-05-24
	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	11-08-22
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	11-08-22
	HW-686_01a	CONCRETE PIPE CONNECTION SHEET 1	11-08-22
	HW-686_01b	CONCRETE PIPE CONNECTION SHEET 2	11-08-22
	HW-686_02a	DRAINANGE PIPE ENDS SHEET 1 [CORRUGATED METAL PIPE]	11-08-22
	HW-686_02b	DRAINAGE PIPE ENDS SHEET 2 [CONCRETE PIPE]	11-08-22
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	10-17-24
	HW-803_01	PAVED APRONS	11-08-22
	HW-811_01	CONCRETE CURBING	11-08-22
	HW-813_01	GRANITE STONE TRANSITION CURBING	11-08-22
	HW-813_02	STONE CURBING	11-08-22
	HW-815_01	BITUMINOUS CONCRETE CURBING	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_01a	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_01b	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_01c	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	11-08-22
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	11-08-22
	HW-821_03a	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_03b	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_03c	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_03d	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 4	11-08-22
	HW-821_03e	TRANSITION - 32" JERSEY SHAPE TO 45" F-SHAPE	11-08-22
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	11-08-22
	HW-821_04b	MERRITT PARKWAY - 2' WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	11-08-22
	HW-821_05a	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_05b	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_06	54" VERTICAL SHAPE BARRIER	11-08-22
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	11-08-22
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	10-17-24
	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	11-08-22
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	11-08-22
	HW-821 10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM REINF.	11-08-22
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	01-05-24
	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	01-05-24
	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	11-08-22
	HW-822 02a	TEMPORARY TRAFFIC BARRIER - DETAILS	11-08-22
	HW-822 02b	TEMPORARY TRAFFIC BARRIER (BOLTED)	10-17-24
	HW-822 02c	TEMPORARY TRAFFIC BARRIER & TEMPORARY TRAFFIC BARRIER (PINNED)	10-17-24
	HW-905_01	STONE WALL FENCE	11-09-22
	HW-906_01	WIRE FENCE	11-08-22

NOT TO SCALE

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

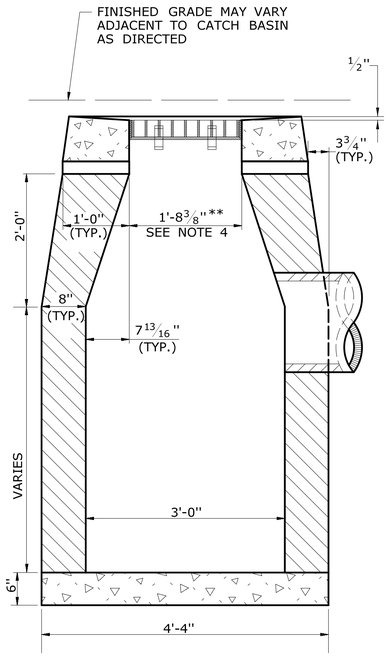
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
HIGHWAY STANDARD SHEET INDEX

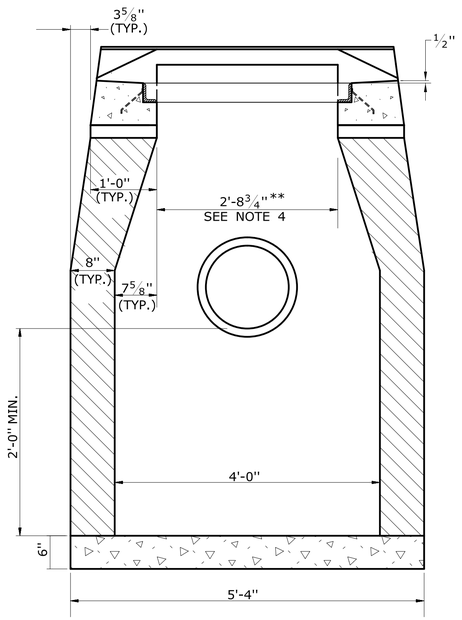
STANDARD SHEET NO.:
1 OF 2

PLOTTED DATE: 10/21/2024



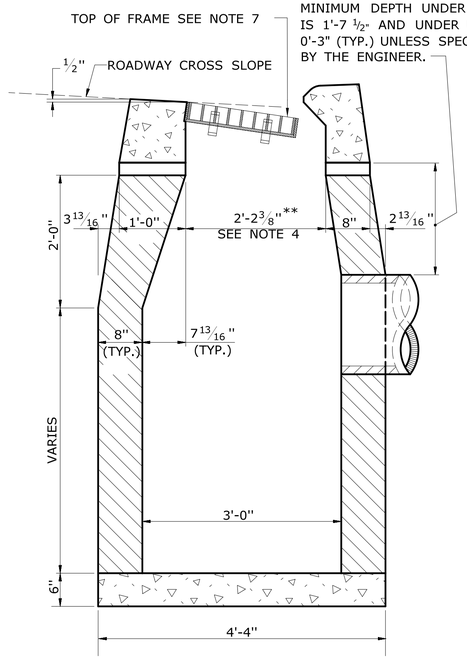
SECTION B

TYPE "C-L" CATCH BASIN



SECTION A

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

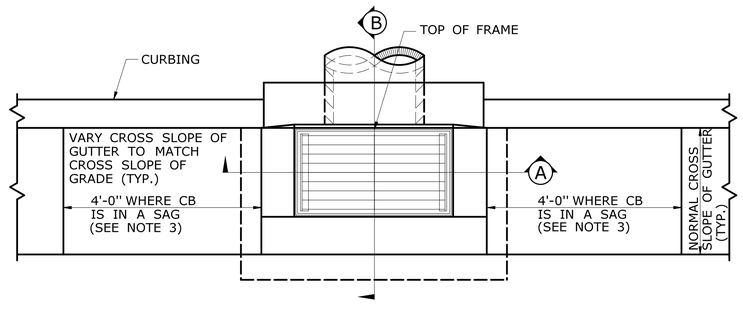


SECTION B

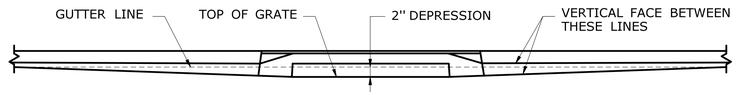
TYPE "C" CATCH BASIN

GENERAL NOTES:

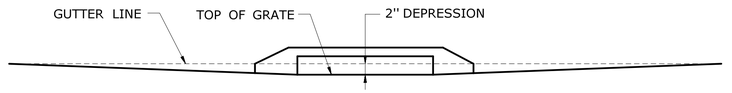
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED BY THE ENGINEER.
4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS FOR THE CATCH BASIN OPENINGS SHOWN IN THE SECTION VIEWS **.
5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10'.
6. SPACERS CAN BE EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE THE PROPER GRADE SHOWN ON THE PLANS.
7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



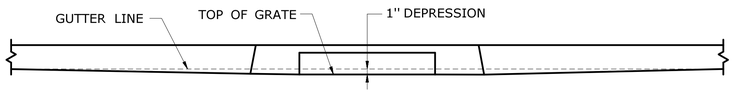
PLAN



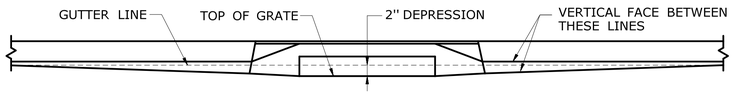
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



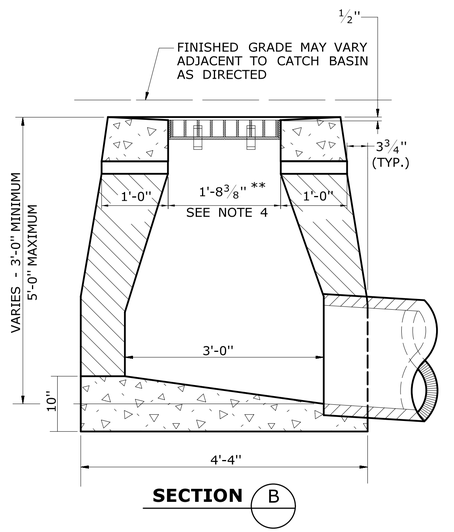
CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



CATCH BASINS IN A LINE WITH 6" CONCRETE CURBING OR 6" STONE CURBING

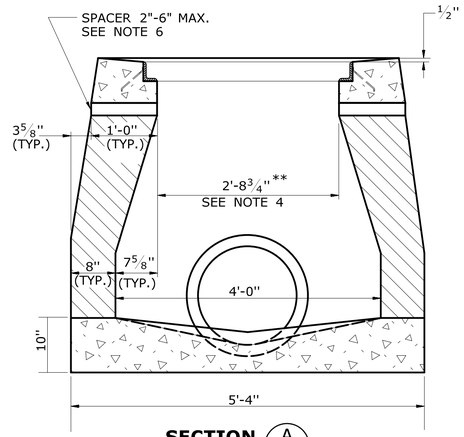


CATCH BASINS IN A LINE WITH 6" BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)



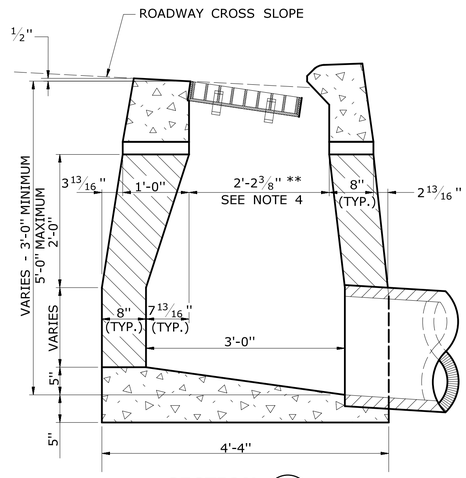
SECTION B

TYPE "C-L" DROP INLET



SECTION A

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



SECTION B

TYPE "C" DROP INLET

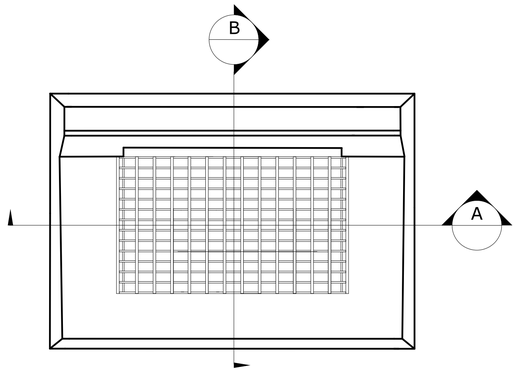
DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:22:22-04'00'	APPROVED BY: James Fallon, P.E. Digitally signed by James Fallon, P.E. DN: C=, O=, OU=, CN=James Fallon, P.E. Reason: I am the author of this document Location: Connecticut Date: 2020.07.14 08:58:32-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"	STANDARD SHEET NO.: HW-586_01

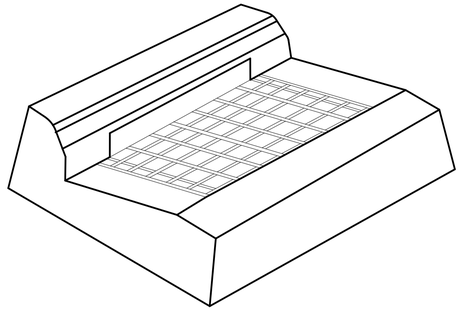
PLOTTED DATE: 7/7/2020

GENERAL NOTES:

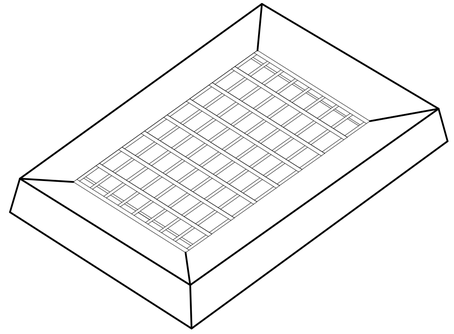
1. SEE SHEET HW-586_08, FOR CATCH BASIN FRAMES AND GRATES AND HW-586_09 FOR CATCH BASIN LOCK DOWN TOPS.
2. SEE SHEET HW-586_01, CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" TO DETERMINE THE TOP OF FRAME DEPRESSION AT THE GUTTER.
3. ALL BARS SHALL HAVE A MINIMUM 2" COVER.



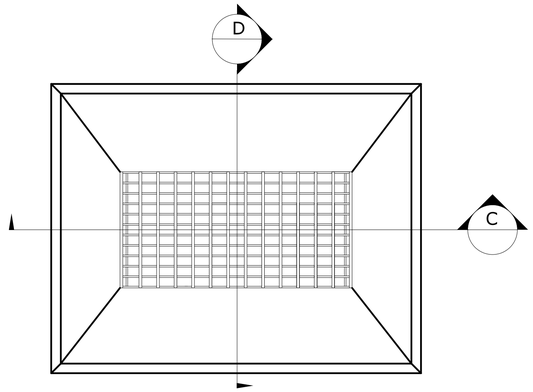
TYPE "C" CATCH BASIN TOP PLAN



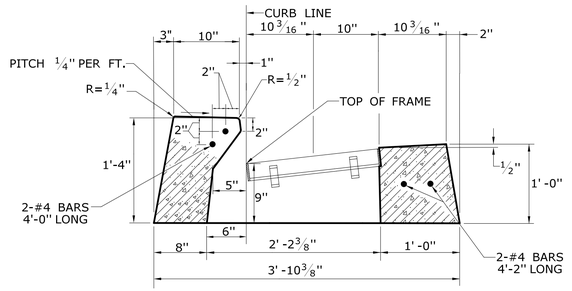
TYPE "C" CATCH BASIN TOP



TYPE "C-L" CATCH BASIN TOP

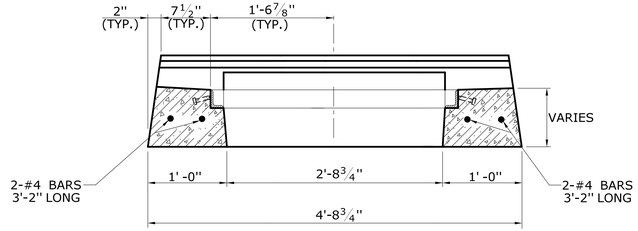


TYPE "C-L" CATCH BASIN TOP PLAN



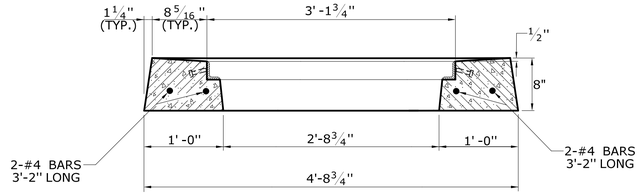
TYPE "C" CATCH BASIN TOP FOR 6" CONCRETE CURBING OR 6" STONE CURBING

SECTION B



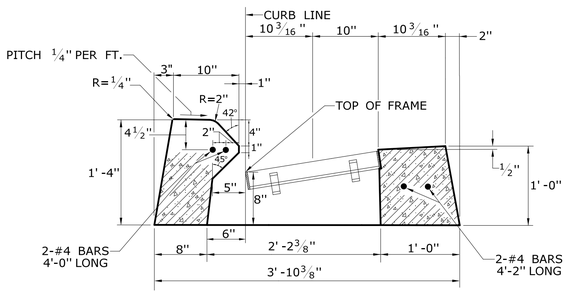
TYPE "C" CATCH BASIN TOP

SECTION A



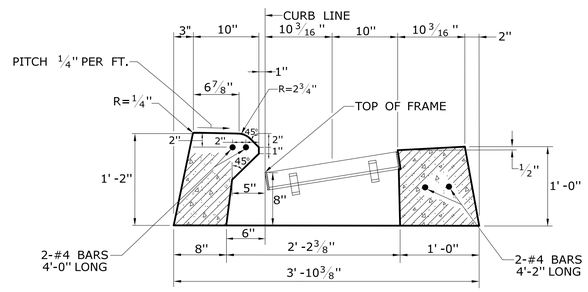
TYPE "C-L" CATCH BASIN TOP

SECTION C



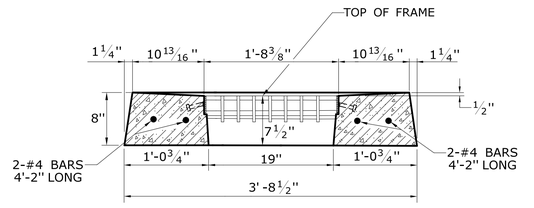
TYPE "C" CATCH BASIN TOP FOR 6" BITUMINOUS CONCRETE LIP CURBING

SECTION B



TYPE "C" CATCH BASIN TOP FOR 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING

SECTION B

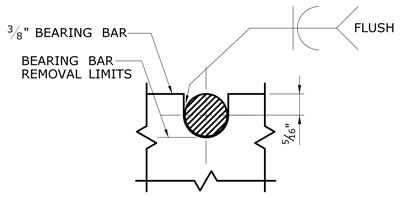


TYPE "C-L" CATCH BASIN TOP

SECTION D

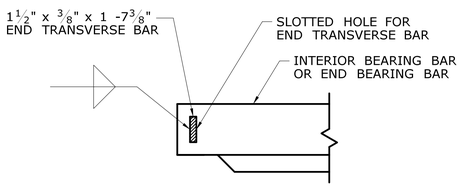
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2021.11.02 09:34:05-04'00'	APPROVED BY: Digitally signed by Calabrese, Michael Date: 2021.11.09 07:41:08-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN TOPS TYPE "C" AND "C-L" / STANDARD SHEET NO.: HW-586_07a

PLOTTED DATE: 10/29/2021

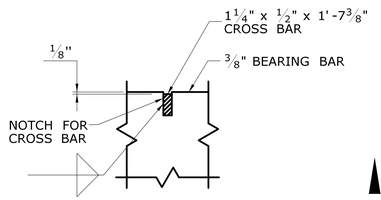


NOTE:
5/8" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

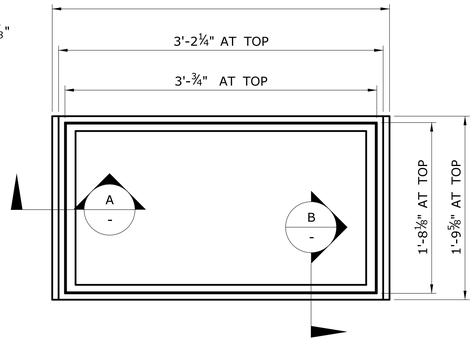
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



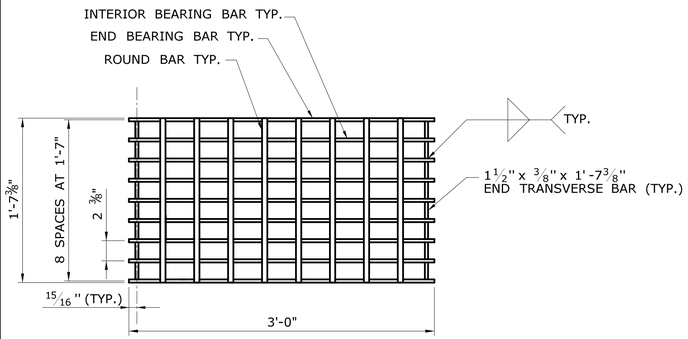
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



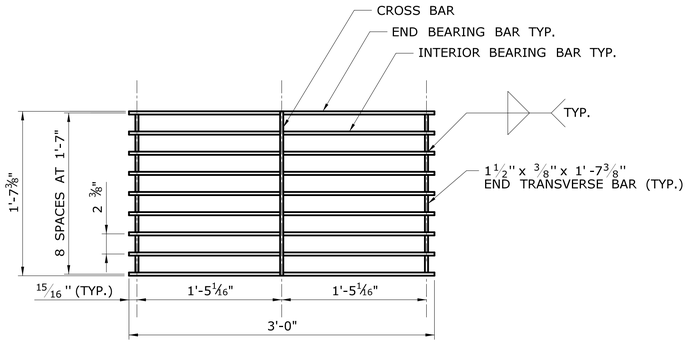
PLAN

GENERAL NOTES:

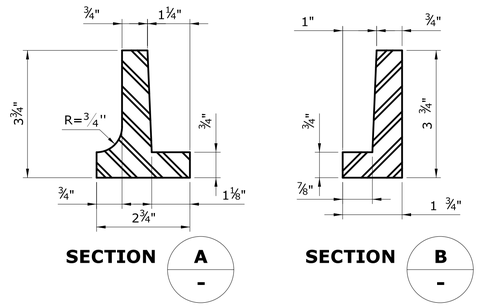
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS,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



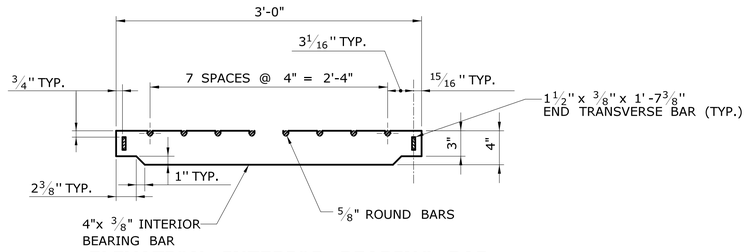
PLAN



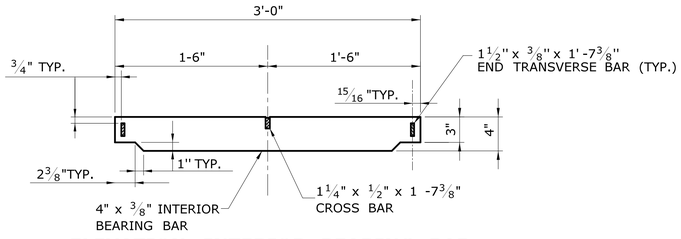
PLAN



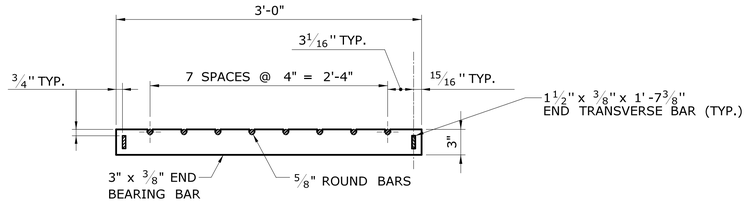
CAST IRON FRAME ALTERNATE



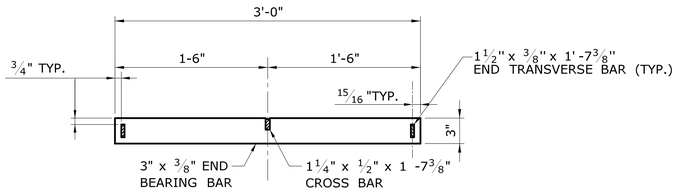
ELEVATION- INTERIOR BEARING BAR



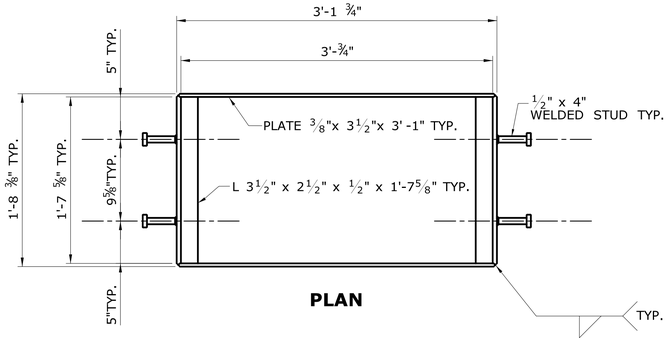
ELEVATION- INTERIOR BEARING BAR



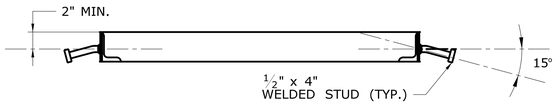
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:25:23-04'00'	APPROVED BY: James Fallon, P.E.	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO.: HW-586_08

PLOTTED DATE: 6/30/2020

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

****REVISED OR ADDED**

	SHEET NO.	TITLE	APPROVAL DATE**
☐	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
☐	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	2/2024
☑	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	2/2024
☑	TR-1010_01	CONCRETE HANDHOLE	2/2024
☑	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
☑	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
☑	TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
☐	TR-1108_01	CONTROLLERS	5/2013
☐	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
☐	TR-1113_01	CONTROL CABLE	4/2014
☐	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018

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

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

NOT TO SCALE

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

SUBMITTED BY:

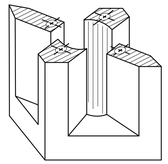
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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

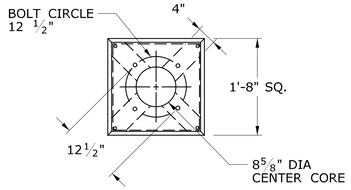
CTDOT STANDARD SHEET

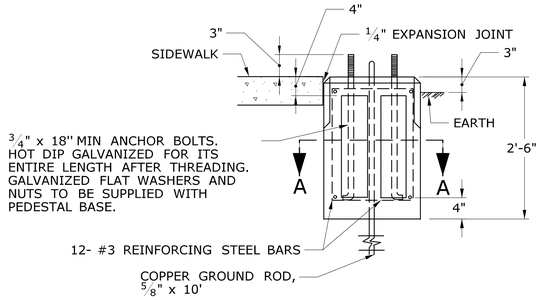
STANDARD SHEET TITLE:
TRAFFIC STANDARD SHEET INDEX

STANDARD SHEET NO.:
TR-STD_INDEX



PICTORIAL
SECTION A-A

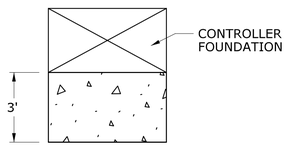




TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST

TRAFFFIC CONTROL FOUNDATION PEDESTAL TYPE I NOTES:

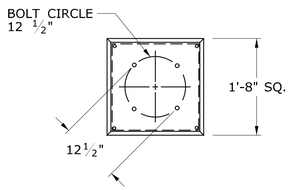
INSTALL FOUNDATION ON 12" OF COMPACTED GRANULAR FILL IN ACCORDANCE WITH SECTION 2.13
LEVEL FOUNDATION WITH A PROJECTION OF 3" ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: 5/8" X 10'
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED.
CONDUITS SHALL NOT PROJECT MORE THAN 2" ABOVE FOUNDATION.
CONCRETE: (CAST-IN PLACE) PCC04460 IN ACCORDANCE WITH SECTION M.03
CONCRETE: (PRECAST) PRC04060 IN ACCORDANCE WITH ARTICLE M.14.01

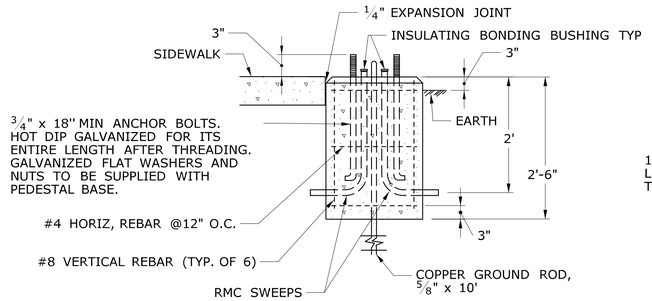


INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET DOOR SIDE OF CONTROLLER FOUNDATION.
PITCH SIDEWALK 1/4" PER FOOT AWAY FROM THE CONTROLLER FOUNDATION.
REFER TO HIGHWAY STANDARD SHEET HW-921_01 FOR SIDEWALK CONSTRUCTION.

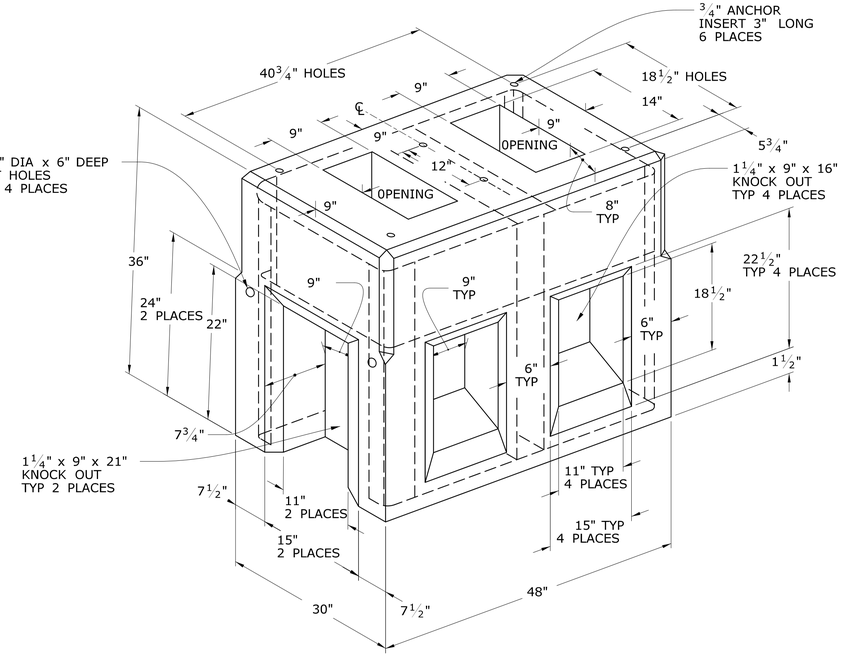
TYPICAL CONCRETE SIDEWALK
AT CONTROLLER FOUNDATION

NOT TO SCALE





TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - CAST IN PLACE



TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - PRECAST

TRAFFFIC CONTROL FOUNDATION CONTROLLER TYPE IV NOTES:

INSTALL FOUNDATION ON 12" OF COMPACTED GRANULAR FILL IN ACCORDANCE WITH SECTION 2.13
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.03.05.
#4 REBAR 2" MIN COVER AROUND ALL OPENINGS, 3-#4 REBARS IN ALL CORNERS.
CONDUITS SHALL NOT PROJECT MORE THAN 2" ABOVE FOUNDATION.
CONCRETE: (PRECAST) PRC04060 IN ACCORDANCE WITH ARTICLE M.14.01

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- PEDESTAL MOUNTING

NOT TO SCALE

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

SUBMITTED BY:
Lisa N. Conroy, P.E.
2024.01.23
08:18:30-05'00'

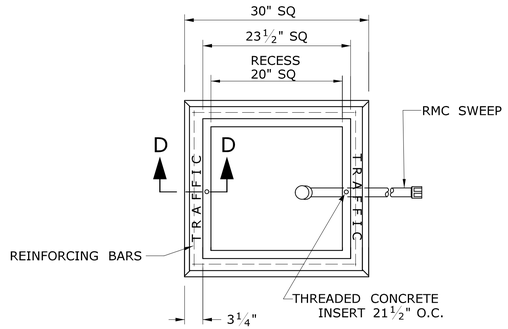
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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

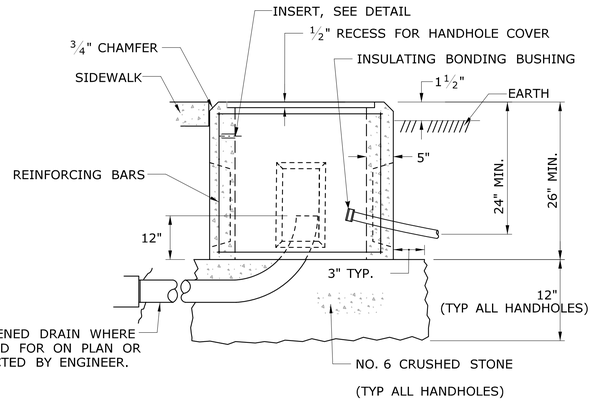
CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
TRAFFIC CONTROL FOUNDATIONS

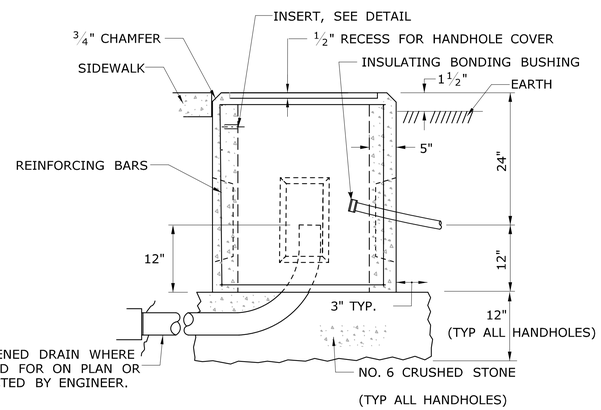
STANDARD SHEET NO.:
TR-1002_01



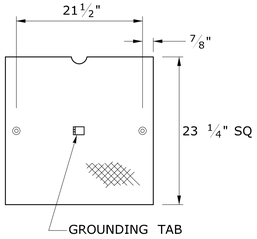
PLAN VIEW

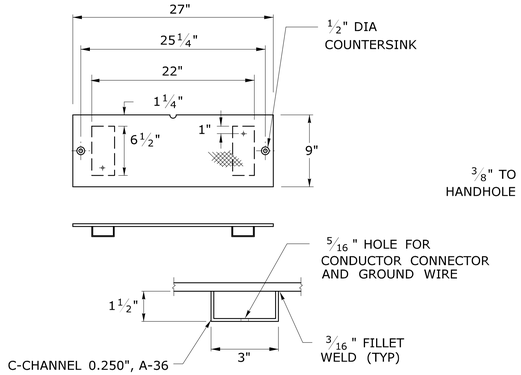


CONCRETE HANDHOLE TYPE I

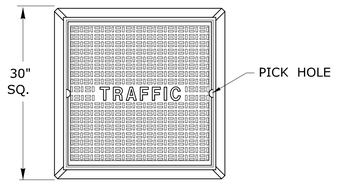


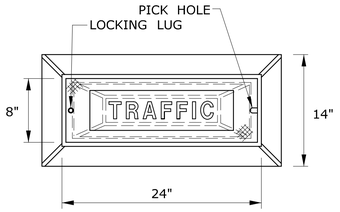
CONCRETE HANDHOLE TYPE I
FOR SPLICING INTERCONNECT

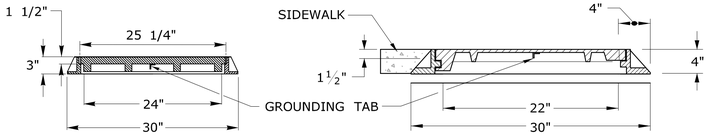




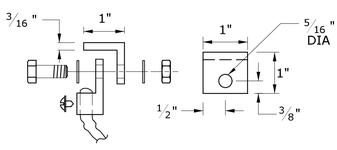
GALVANIZED, NON-SKID 3/8" FLOOR PLATE STEEL
HANDHOLE COVERS



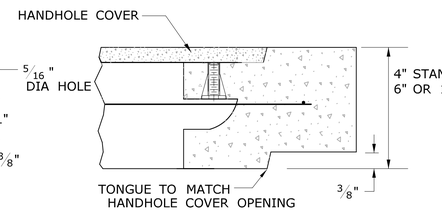




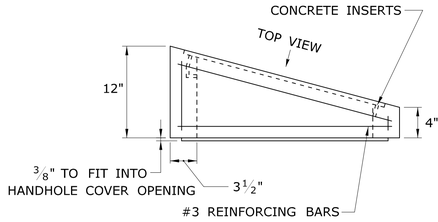
CAST IRON
HANDHOLE COVERS



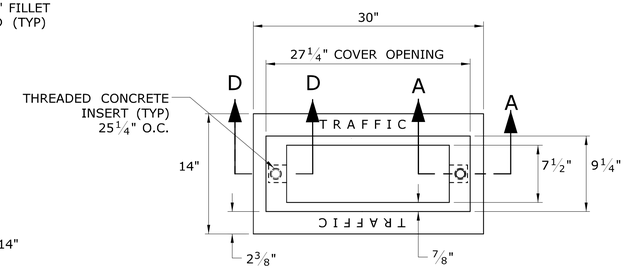
STEEL GROUNDING TAB
w/ CONDUCTOR CONNECTOR



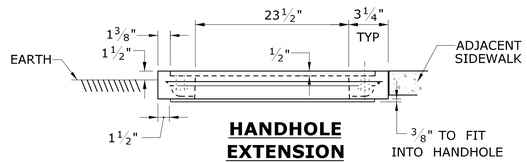
SECTION A-A
HANDHOLE EXTENSIONS
4 - #8 REINFORCING BARS REQ'D



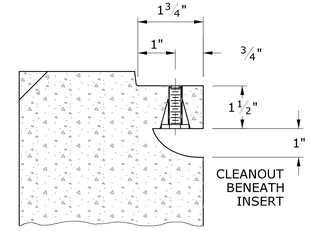
BANK ADADPTER



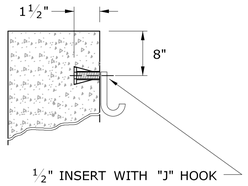
PLAN VIEW



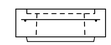
HANDHOLE
EXTENSION



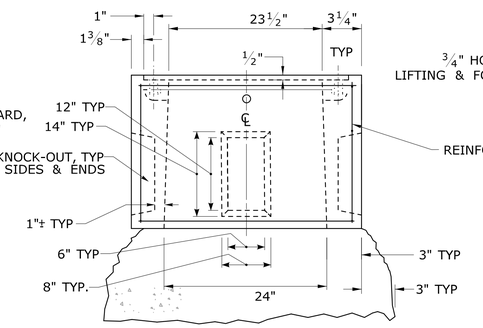
SECTION D-D

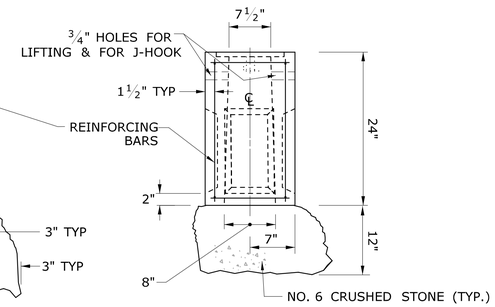


INSERT DETAIL
TYP IN TWO PLACES FOR
ALL HANDHOLES



HANDHOLE EXTENSION
SIDE VIEW





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 STAINLESS STEEL HEX HEAD BOLT, AND STAINLESS STEEL 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. CONCRETE: (PRECAST) PRC04060 IN ACCORDANCE WITH ARTICLE M.14.01
2. COMPLETE TYPE II HANDHOLE:
   IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH HANDHOLE EXTENSION IF NEEDED, AND STEEL COVER.
   IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH HANDHOLE EXTENSION IF NEEDED, AND CAST IRON COVER PAID UNDER A SEPARATE ITEM.
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)
10. FOR TYPE I INTERCONNECT HANDHOLE 2" RMC ENTERING AND EXITING HANDHOLE MUST BE INSTALLED PERPENDICULAR TO THE SIDEWALL OF THE HANDHOLE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RADIUS OF THE INSTALLED RMC IS NOT GREATER THAN THE MINIMUM ALLOWED FOR FIBER OPTIC CABLE.

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

NOT TO SCALE

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

SUBMITTED BY:
Lisa N. Conroy, P.E.
2024.01.23
08:19:13-05'00'

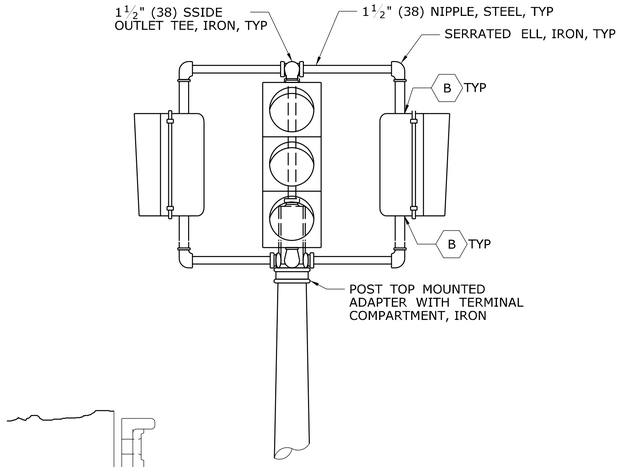
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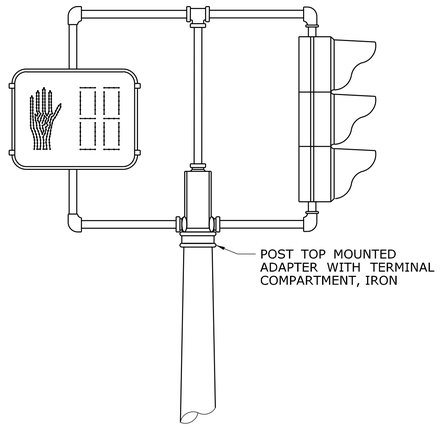
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

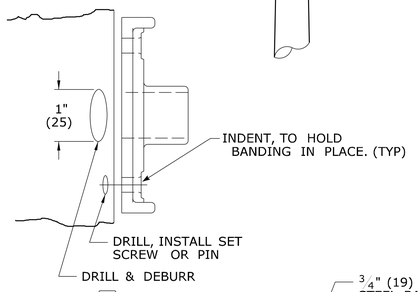
CTDOT STANDARD SHEET

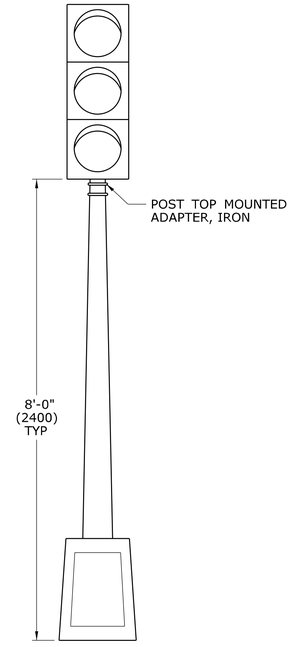
STANDARD SHEET TITLE:
CONCRETE HANDHOLE

STANDARD SHEET NO.:
TR-1010_01

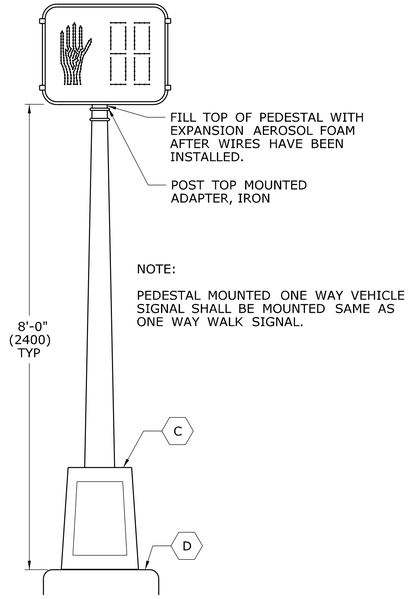








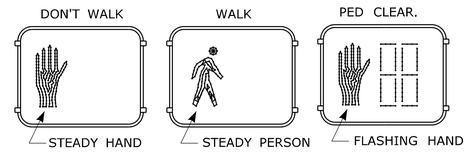
ONE WAY TRAFFIC SIGNAL PEDESTAL MOUNTED



NOTE:

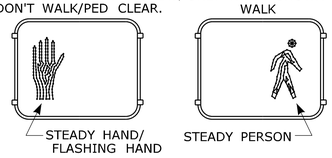
PEDESTAL MOUNTED ONE WAY VEHICLE SIGNAL SHALL BE MOUNTED SAME AS ONE WAY WALK SIGNAL.

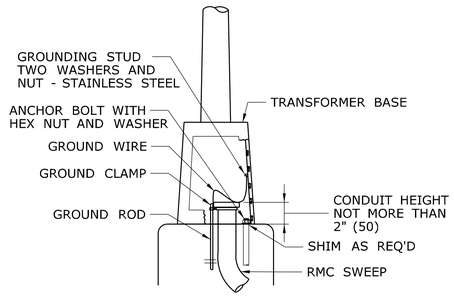
ONE WAY WALK SIGNAL PEDESTAL MOUNTED



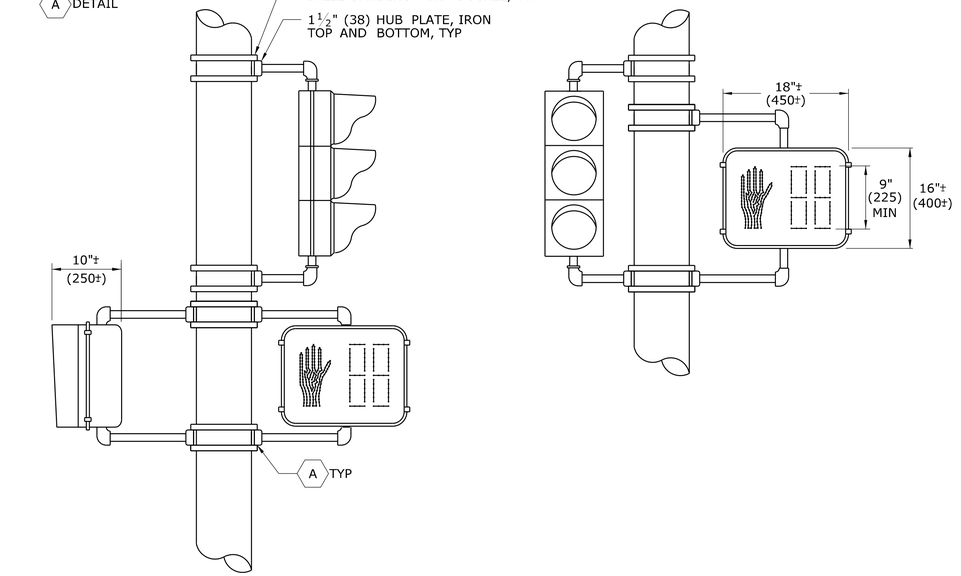
TYPICAL INDICATION WHEN LIT

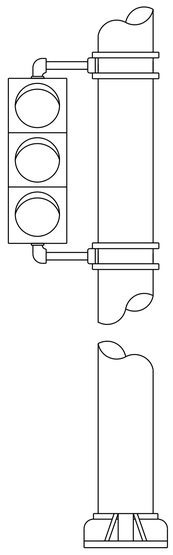
NON-COUNTDOWN DISPLAY, ONLY WHEN SHOWN ON PLAN.



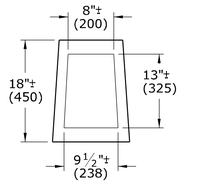


ALUMINUM PEDESTAL INSTALLATION DETAIL

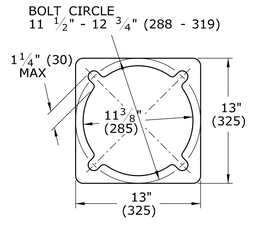




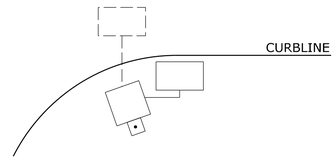
ONE WAY TRAFFIC SIGNAL POLE MOUNTED



ALUMINUM PEDESTAL DOOR OPENING DETAIL



PEDESTAL BASE PLAN



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

NOTES:

A. SECURE LOWER HUB PLATE WITH STAINLESS STEEL SET SCREW OR PIN PRIOR TO BANDING TO PREVENT MOVEMENT. INSTALL CABLE THROUGH BOTTOM OF HUB PLATE.

B. REFER TO CTDOT TRAFFIC STANDARD SHEET, TR-1105_01, TRAFFIC SIGNALS & CABLE ASSIGNMENTS.

C. IF THREADED, MIN 1" (25) THREADED INTO BASE, SECURED WITH STAINLESS STEEL SET SCREWS.

D. BASE DESIGNED AS BREAK-AWAY.

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

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

- STEEL SPAN POLE, MAST ARM ASSEMBLY SHAFT
- ALUMINM PEDESTAL
- TRAFFIC SIGNAL
- PEDESTRIAN SIGNAL
- PEDESTAL MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS
- POLE MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS

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

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

Plotted Date: 4/14/2012

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

NOT TO SCALE

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.dgn Model: TR-1102_01

SUBMITTED BY: NAME/DATE/TIME: Tracy L. Fogarty 2012.05.01 12:55:27-04'00'

APPROVED BY: NAME/DATE/TIME: Timothy M. Wilson 2012.05.09 10:24:58-04'00'

CTDOT STANDARD SHEET

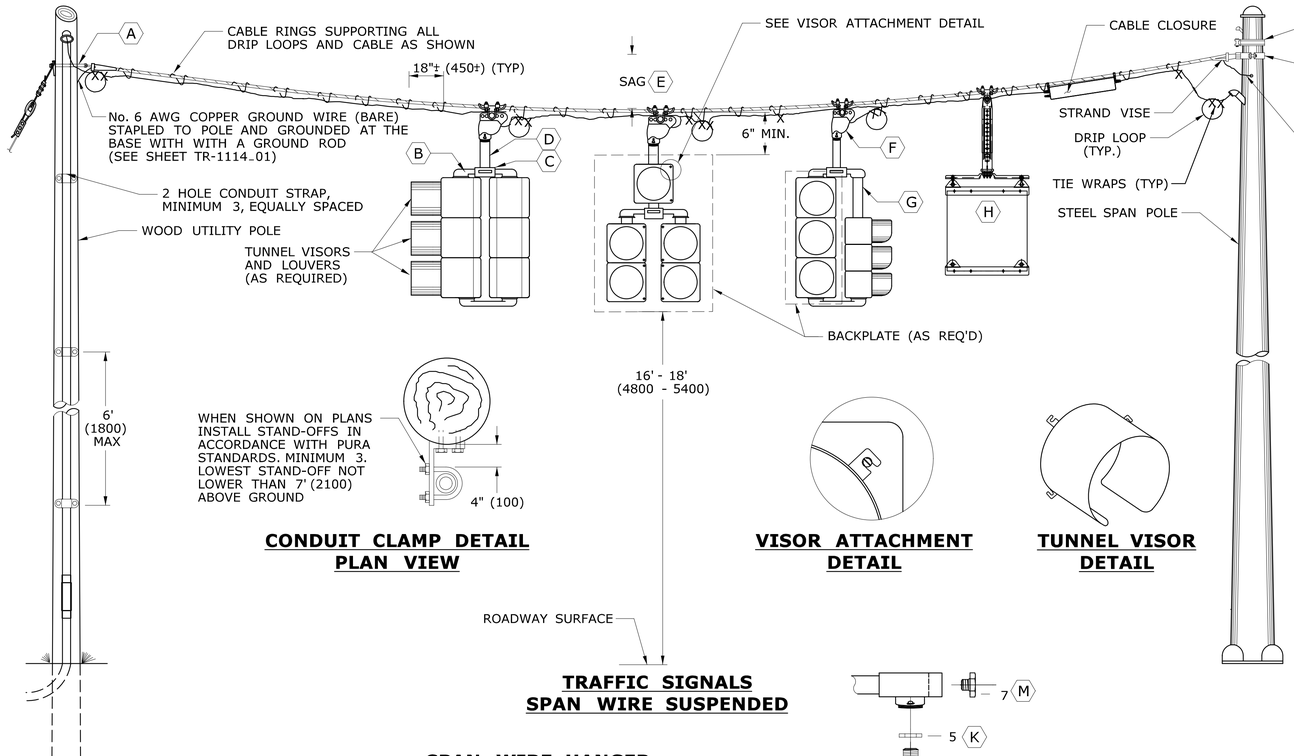
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PEDESTALS, PEDESTRIAN SIGNALS

STANDARD SHEET NO.:

TR-1102_01

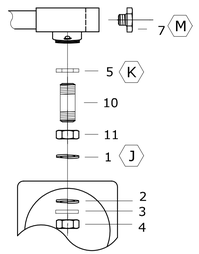


TRAFFIC SIGNALS SPAN WIRE SUSPENDED

CONDUIT CLAMP DETAIL PLAN VIEW

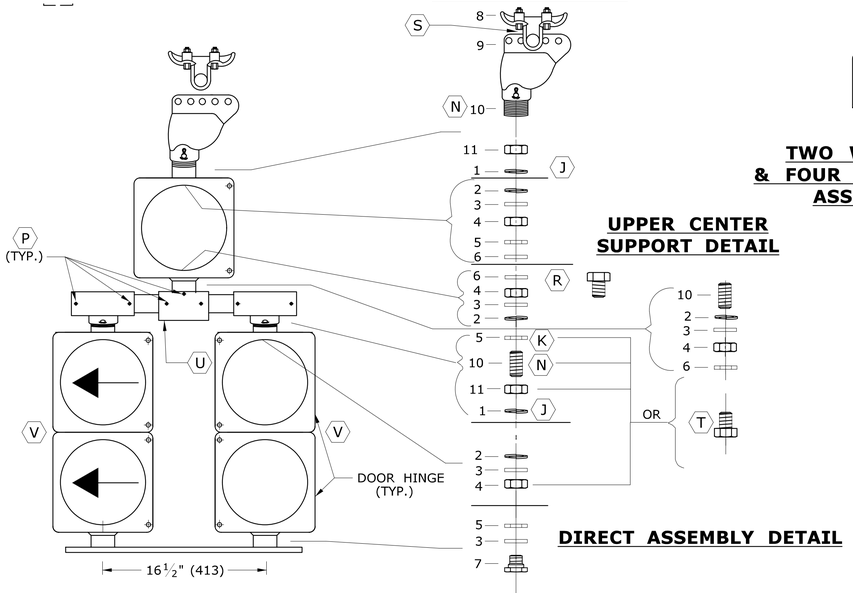
VISOR ATTACHMENT DETAIL

TUNNEL VISOR DETAIL



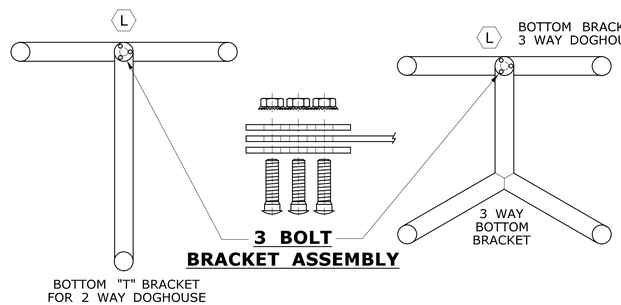
TWO WAY, THREE WAY & FOUR WAY NIPPLE DOWN ASSEMBLY DETAIL

SPAN WIRE HANGER ASSEMBLY DETAIL



UPPER CENTER SUPPORT DETAIL

DIRECT ASSEMBLY DETAIL



LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- POLE ANCHOR & GUY
- CABLE CLOSURE
- SPAN MOUNTED SIGN
- SPAN MOUNTED TRAFFIC SIGNAL

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

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

TRAFFIC SIGNAL CABLE COLOR ASSIGNMENTS

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

PEDESTRIAN SIGNAL CABLE COLOR ASSIGNMENTS

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

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

TABLE NOTES:
1. INSTALL SEPARATE CABLE BETWEEN CLOSURE AND EACH TRAFFIC SIGNAL ASSEMBLY. WIRE EACH TRAFFIC SIGNAL SECTION SEPARATELY BACK TO CABLE CLOSURE. JUMPERS BETWEEN TERMINALS ARE NOT ALLOWED EXCEPT ON NEUTRAL CONDUCTORS.
2. WIRE ALL SIGNALS, SAME DIRECTION FROM CONTROLLER, SEPARATELY WITH CONDUCTORS IN 21 CONDUCTOR CABLE, EVEN IF INDICATIONS ARE IDENTICAL.
3. CABLES THAT FEED PEDESTRIAN INDICATIONS, PUSH BUTTONS, AND DETECTORS BYPASS CABLE CLOSURE.
4. REFER TO STANDARD SHEET TR-1113_01 FOR CABLE CLOSURE - TYPE A.

NOTES:
SERVICE CONDUCTORS: THW, THWN OR XHHW. INDIVIDUAL WIRES MAY BE USED IN LIEU OF MULTI-CONDUCTOR CABLE.
ALL WORK ON UTILITY POLES MUST COMPLY WITH CURRENT PURA REGULATIONS AND NESC RULES.
- A ATTACH SPAN AT LEAST 12" (300) BELOW LOWEST POWER COMPANY ATTACHMENT, AND AT LEAST 40" (1000) ABOVE HIGHEST COMMUNICATIONS ATTACHMENT, UNLESS OTHERWISE DIRECTED ON PLANS.
- B ELBOW OR "T" FITTING MUST HAVE NOTCH FOR SERRATED TABBED LOCKRING.
- C TOP BRACKET CENTER HUB SHALL BE MIN 4" (100) ROUND AND 3" (75) DEEP OR EQUAL VOLUME. SERRATION CAST IN HUB OR TABBED OR SERRATED LOCKRING, TOP OPENING NOT THREADED.
- D NIPPLE LENGTH DEPENDS ON SPAN HEIGHT.
- E SAG OF SPAN TO BE 5%± LENGTH, UNLESS OTHERWISE ALLOWED BY ENGINEER.
- F FACE ALL ENTRANCE FITTINGS TOWARD CABLE CLOSURE.
- G INSTALL EXTENSION NIPPLE ON TOP OF SIGNAL HOUSING SO BOTTOM OF ALL SIGNALS ARE EVEN.
- H REFER TO TR-GS_01 "SIGN FACE SHEET ALUMINUM, R-SERIES SIGNS TYPICAL DETAILS", AND TO TR-1114_01 FOR SIGN HANGER ASSEMBLY. MAXIMUM SIGN SIZE 36" X 36" (900 X 900). ALL STAINLESS STEEL HARDWARE.

SECURE LOUVERS TO TUNNEL VISORS WITH 3 STAINLESS STEEL SCREWS.

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

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

Plotted Date: 5/22/2018

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

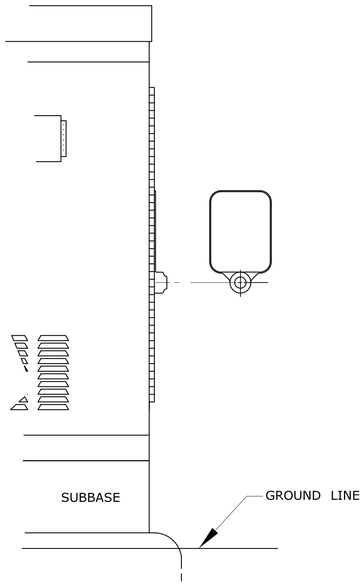
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APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E. 2018.08.21 07:46:03-04'00'

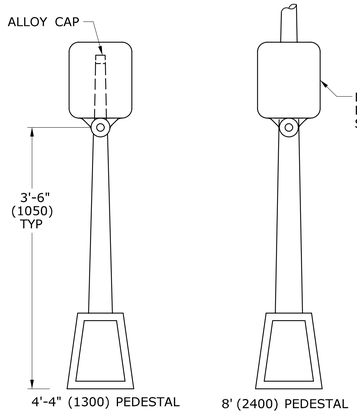
CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
TRAFFIC SIGNALS & CABLE ASSIGNMENTS

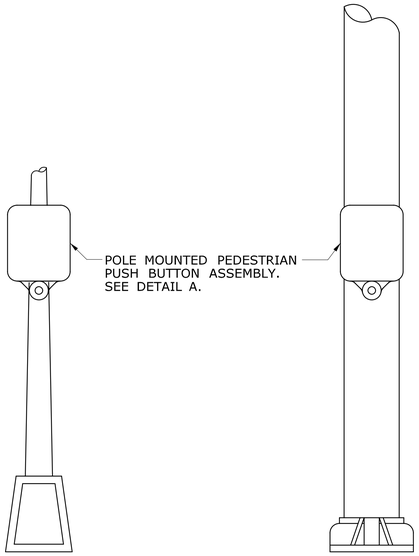
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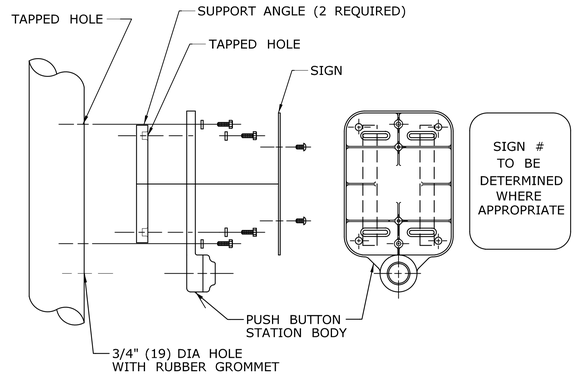
SURFACE MOUNTED



PEDESTAL MOUNTED



SPAN POLE/MAST ARM MOUNTED



DETAIL A



SIGN # 31-0833
USE APPROPRIATE LEFT OR RIGHT ARROW

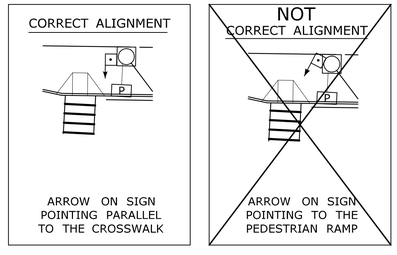


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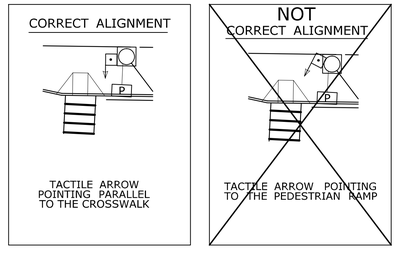
FOR CROSSING WITH SIDE STREET GREEN

GENERAL NOTES:

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

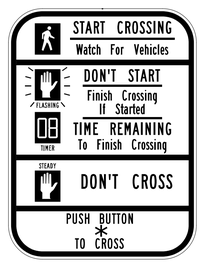


PEDESTRIAN PUSH BUTTON ALIGNMENT



ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR

EXAMPLE ALIGNMENTS FOR EXCLUSIVE PEDESTRIAN PHASE



*USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

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

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

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

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

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Plotted Date: 8/9/2018

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

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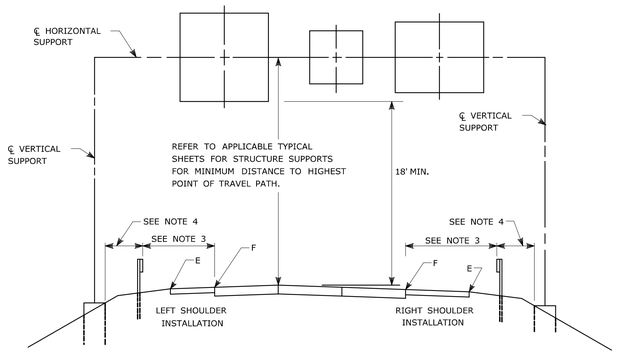
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CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
PEDESTRIAN PUSH BUTTONS

STANDARD SHEET NO.:
TR-1107_01



TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

NOTES:

1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.

FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.

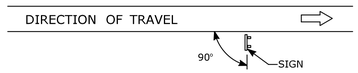


DIAGRAM "A"

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

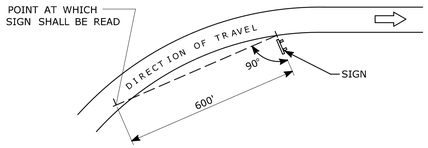
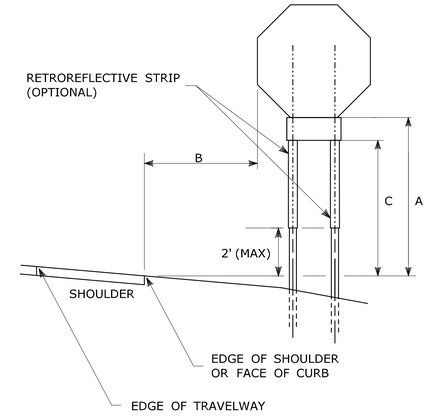
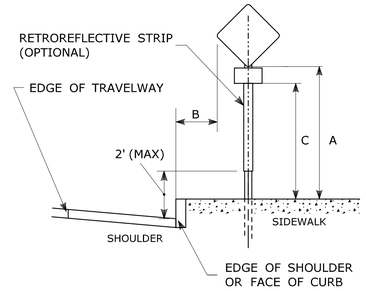
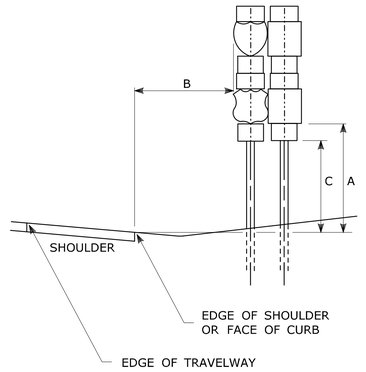


DIAGRAM "B"

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







TYPICAL SIGN PLACEMENT DETAIL

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

REFER TO STANDARD SHEET No. TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.

IF A RETFOREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY.

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET ①	DIM."C" MIN PLAQUE HEIGHT ①	ASSEMBLY LOCATION
7' ②	6' 12' ③	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS
5'	2'	4'	• SIGNS IN RURAL AREAS • DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMPS • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS
4'	6' 12' ③	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS
7'	2' ④	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
7'	2' ④	7'	SIDEWALKS ⑤

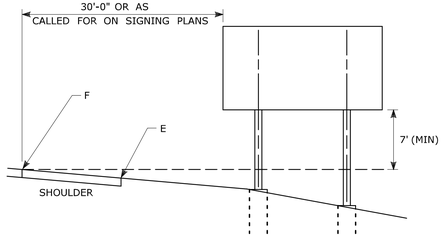
① OR AS DIRECTED BY THE ENGINEER

② 8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.

③ 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE
12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.

④ A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.

⑤ A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.



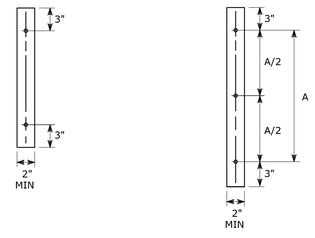
TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

NOTES:

1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".
4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

RETROREFLECTIVE STRIPS 48" LONG OR LESS:

RETROREFLECTIVE STRIPS OVER 48" LONG:



RETROREFLECTIVE STRIP DETAIL

NOTES:

RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE.
REFER TO STANDARD SHEET No. TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.

RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.

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

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Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR_1208_01_1_2018.dgn Model: TR-1208_01

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17 09:06:06-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:48:06-04'00'

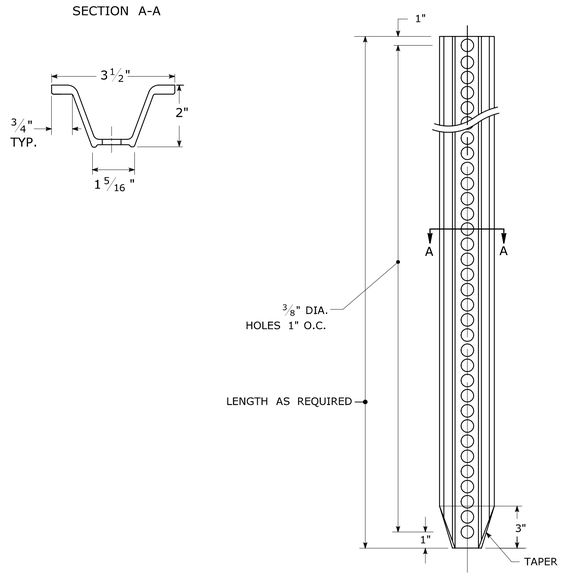
CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

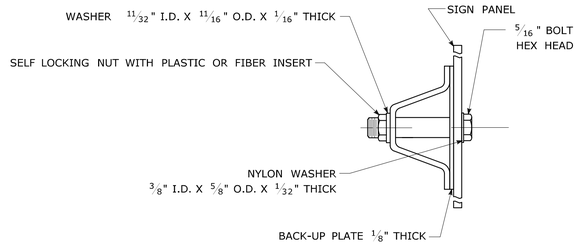
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SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

STANDARD SHEET NO.:
TR-1208_01

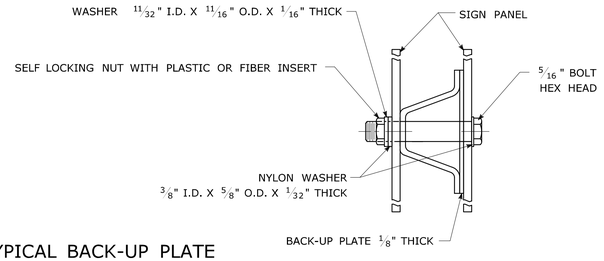
TYPICAL METAL SIGN POSTS



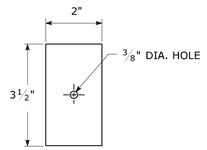
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



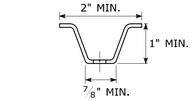
TYPICAL BACK-UP PLATE



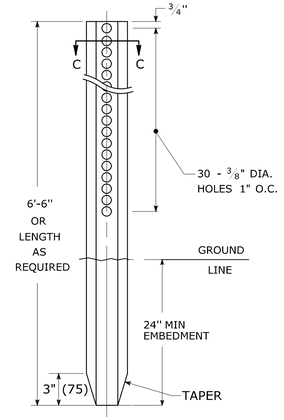
BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

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



SECTION C-C

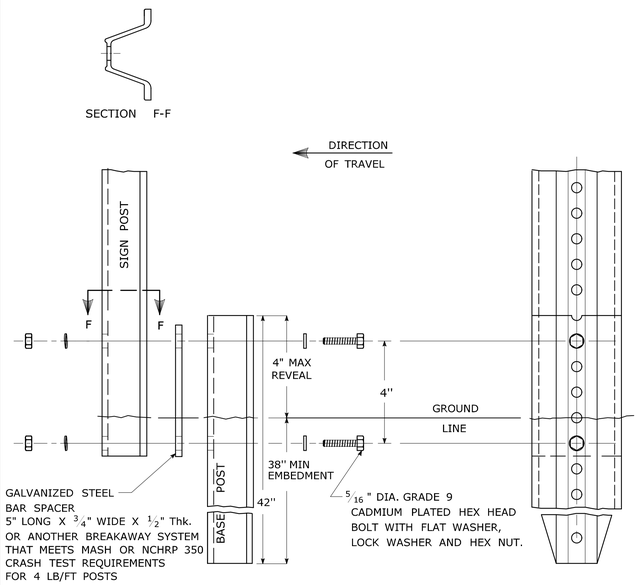


GENERAL NOTES:

1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION

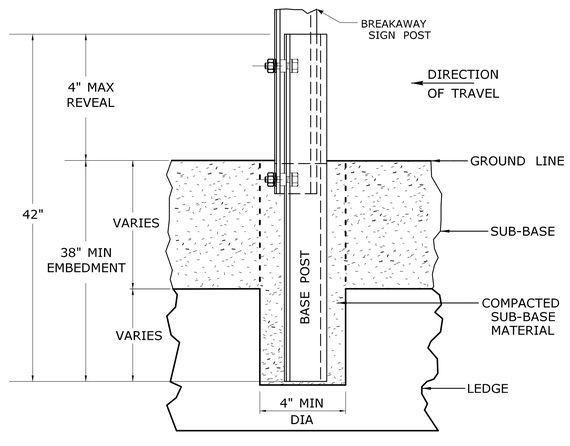
FOR 4 LBS./FT. POSTS



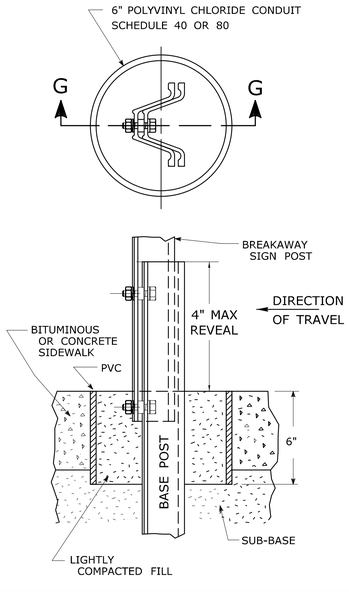
TYPICAL SIGN POST INSTALLATION IN LEDGE

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

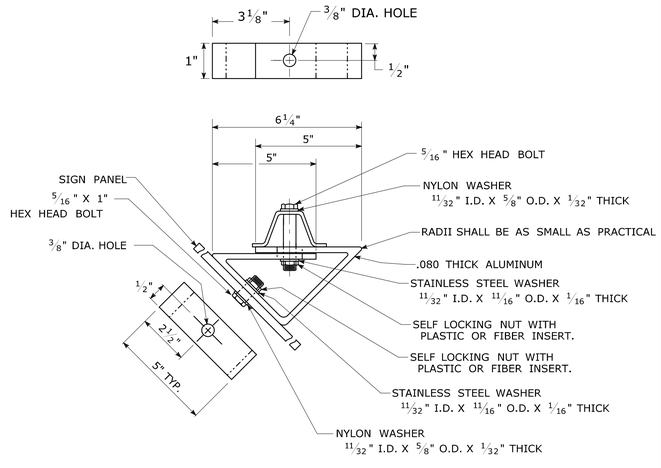
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS



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

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

Plotted Date: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

SUBMITTED BY:	NAME/DATE/TIME:
Mark Makuch	Mark F. Makuch, P.E. 2017.06.07 07:30:30-04'00'
Mary E. Baker	Mary E. Baker, P.E. 2017.06.13 15:28:14-04'00'
APPROVED BY:	NAME/DATE/TIME:
Gregory M. Dorosh	Gregory M. Dorosh, P.E. 2017.06.15 09:27:29-04'00'

CTDOT STANDARD SHEET

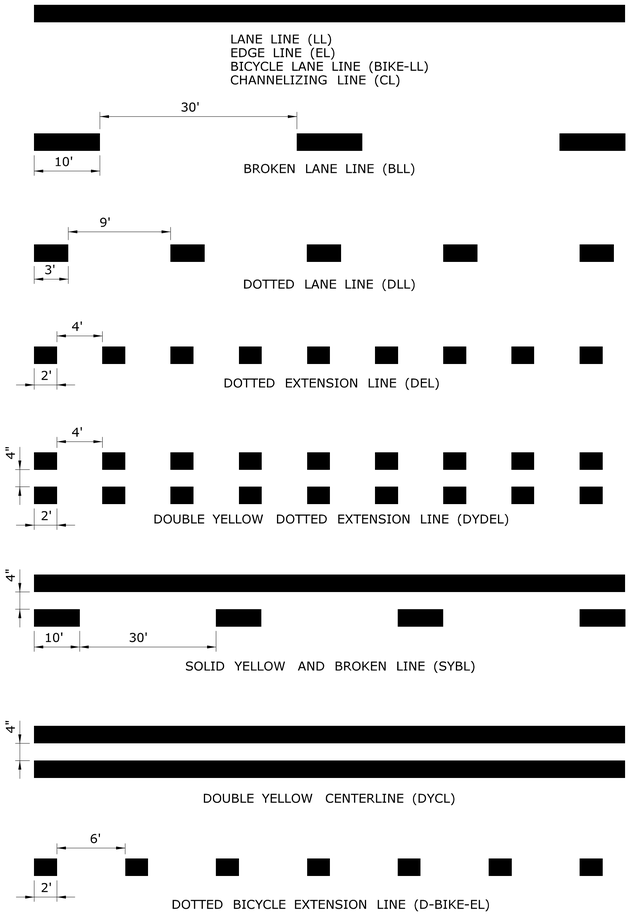
OFFICE OF ENGINEERING

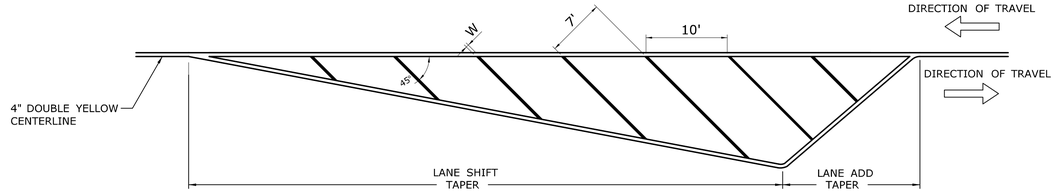
STANDARD SHEET TITLE:

METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

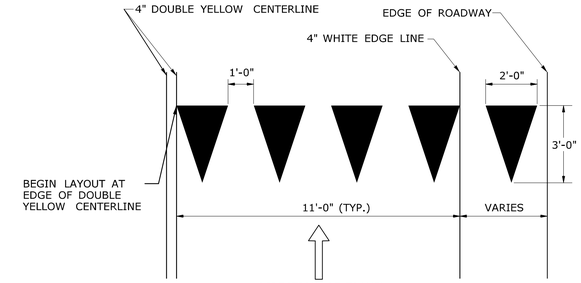
TR-1208_02



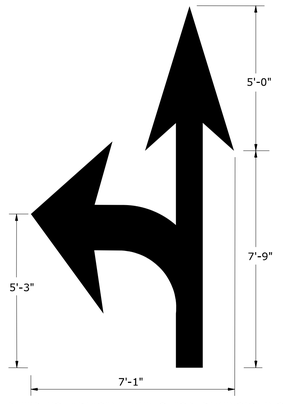


CROSS HATCHED ISLAND DETAIL
(YELLOW)

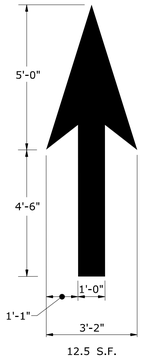
W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS



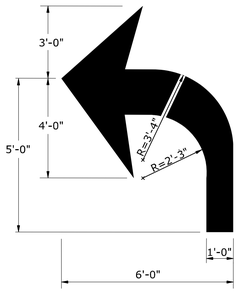
YIELD LINE DETAIL
(WHITE)



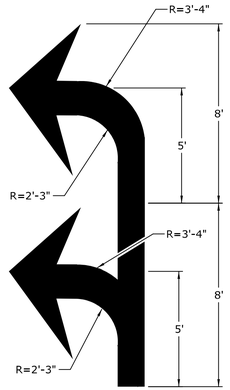
REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



12.5 S.F.



15.5 S.F.



35 S.F.
DOUBLE LEFT ARROW

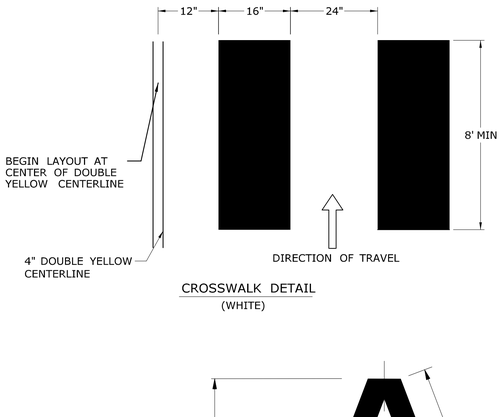


27.0 S.F.
LEFT & RIGHT ARROW COMBO



38.5 S.F.
3 WAY ARROW COMBO

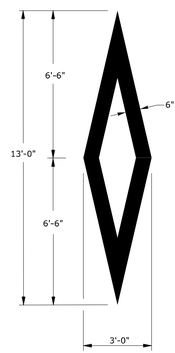
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



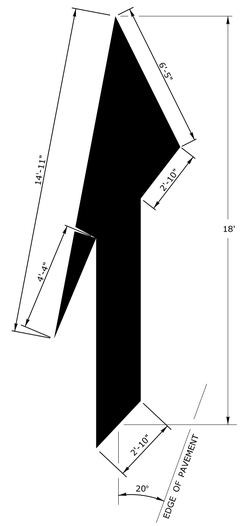
CROSSWALK DETAIL
(WHITE)

NOTES :

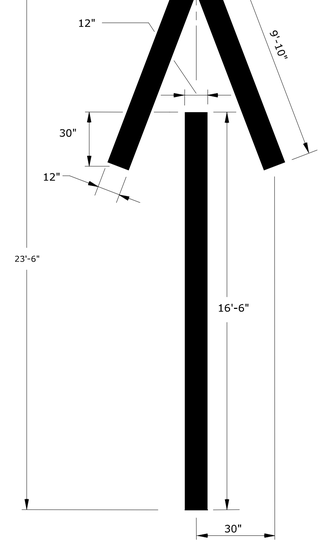
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.



WHITE PREFERENTIAL LANE SYMBOL
13.0 S.F.



WHITE LANE REDUCTION ARROW
41.8 S.F.



WHITE WRONG WAY PAVEMENT ARROW
36.2 S.F.

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

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Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_04.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY:	NAME/DATE/TIME:
Mark Makuch	Mark F. Makuch, P.E. 2018.08.17 09:07:44-04'00'
APPROVED BY:	NAME/DATE/TIME:
	Mark F. Carlino, P.E. 2018.08.21 07:48:45-04'00'

CTDOT
STANDARD SHEET

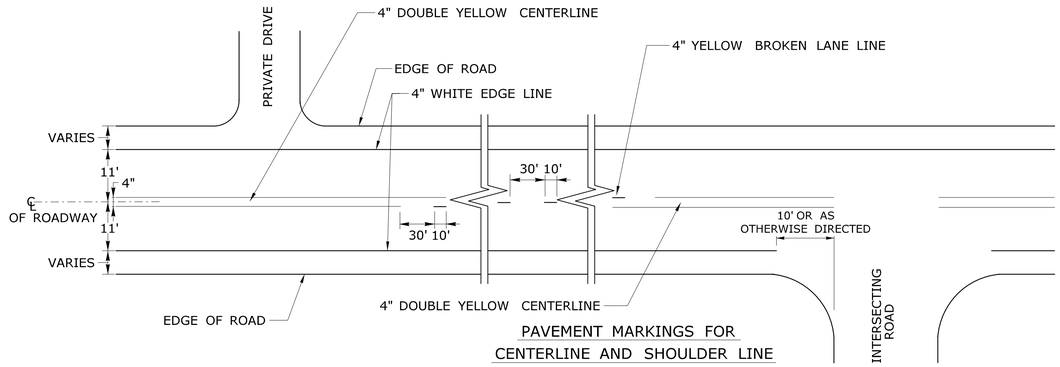
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

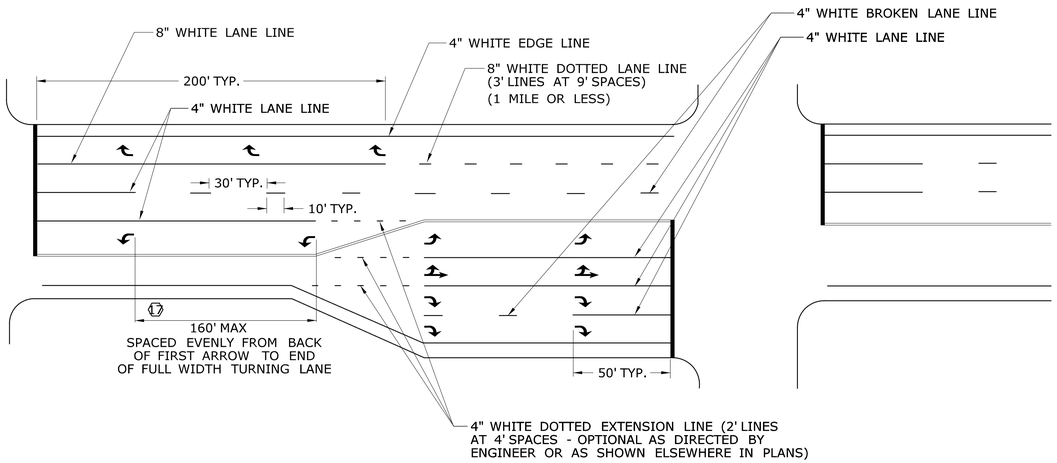
PAVEMENT MARKING LINES AND SYMBOLS

STANDARD SHEET NO.:

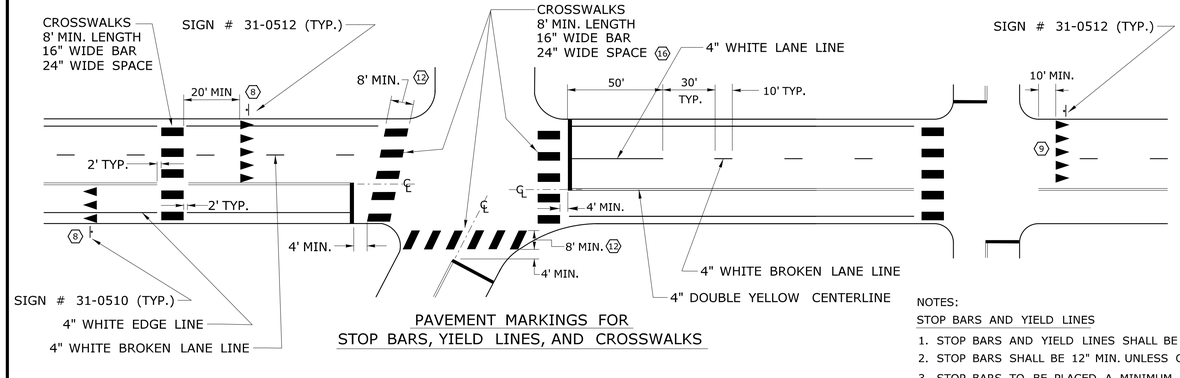
TR-1210_04



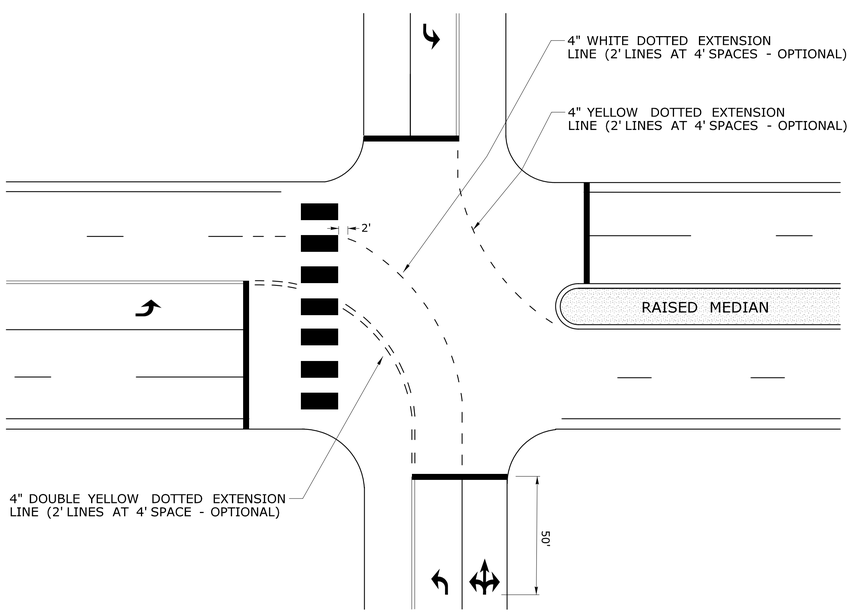
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



PAVEMENT MARKINGS FOR TURNING LANES
AND ROAD LANE-DROP



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS



TURNING EXTENSIONS

NOTES:

STOP BARS AND YIELD LINES

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

(8) MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS SHALL BE INSTALLED AND SHOULD BE LOCATED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE OR AS DIRECTED BY THE ENGINEER.
WHERE A YIELD LINE EXISTS ON AN APPROACH TO A CROSSWALK, THE APPROAPRIATE "YIELD TO PEDESTRIANS" SIGN IS REQUIRED.

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

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

CROSSWALKS

11. CROSSWALK MARKINGS SHALL BE WHITE.

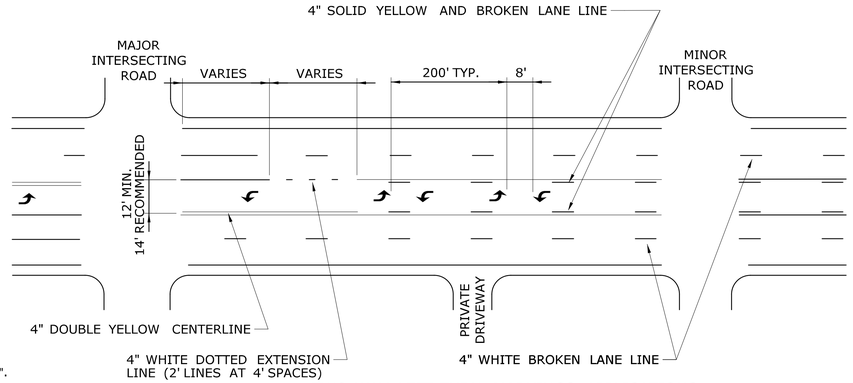
(12) AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

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

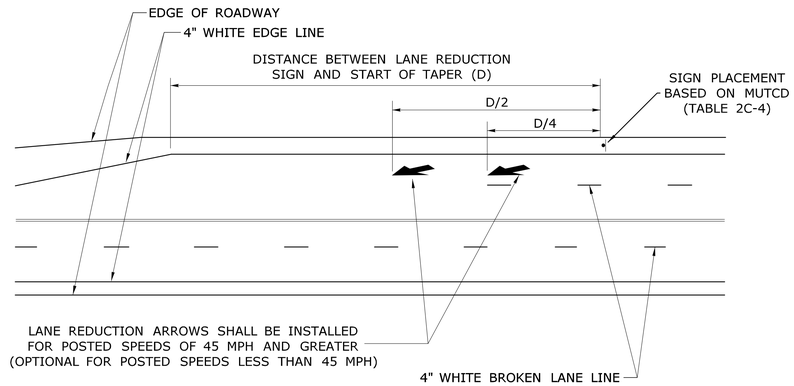
(16) 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

PAVEMENT MARKINGS FOR TURNING LANES

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



TWO-WAY LEFT-TURN MARKINGS APPLICATIONS



LANE REDUCTION TRANSITIONS

REV.	DATE	REVISION DESCRIPTION
1	8-2018	REVISED YIELD LINE SIGNAGE AND NOTES.

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

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17 09:10:18-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:18-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

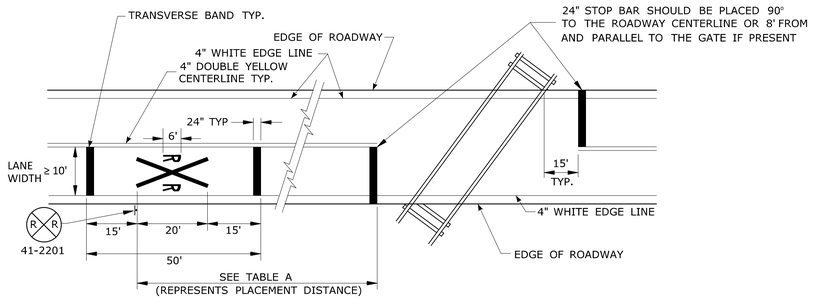
STANDARD SHEET TITLE:

PAVEMENT MARKINGS
FOR NON FREEWAYS

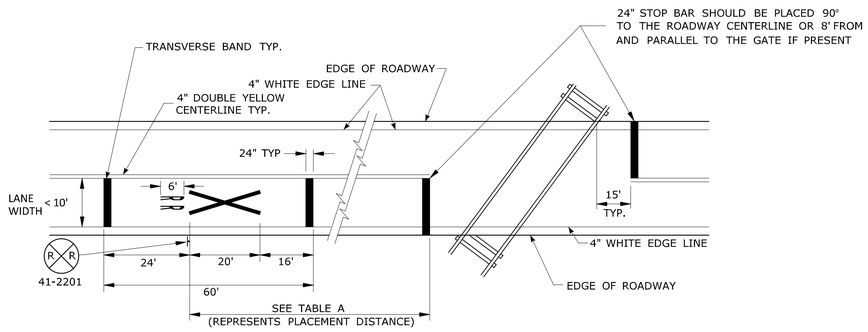
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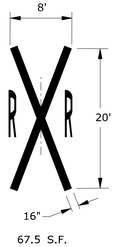
TR-1210_08

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

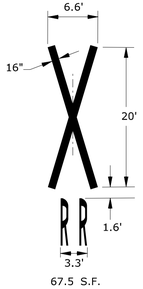


TYPICAL RAILROAD GRADE CROSSING DETAIL (LANE WIDTH < 10')

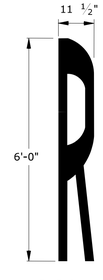




67.5 S.F.



67.5 S.F.



5.75 S.F.

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

NOTES:

GENERAL:

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

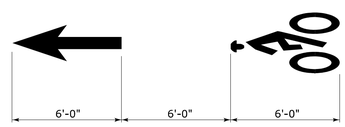
RAILROAD GRADE CROSSINGS:

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

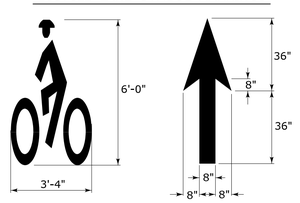
PARKING STALLS:

5. AUTOMOBILE ACCESSIBLE PARKING SPACES SHALL BE 15' WIDE INCLUDING 5' OF CROSSHATCH.
6. VAN ACCESSIBLE PARKING SPACES SHALL BE 16' WIDE INCLUDING 8' OF CROSSHATCH.
7. ACCESS AISLES FOR ANGLED VAN PARKING SPACES SHALL BE LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACE.
8. CROSS HATCHED ACCESS AISLES SHALL NOT BE SHARED BETWEEN PARKING SPACES.

TYPICAL LONGITUDINAL SPACING



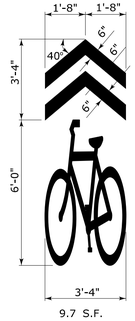
BICYCLE LANE SYMBOL MARKINGS



5.8 S.F.

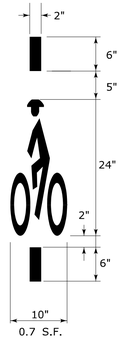
4.7 S.F.

SHARED LANE SYMBOL MARKING



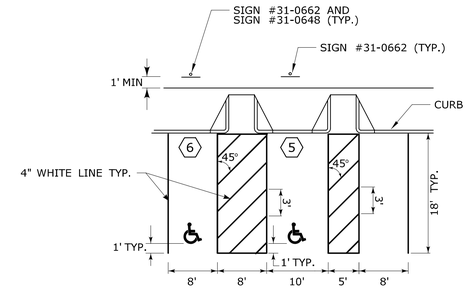
9.7 S.F.

BICYCLE DETECTOR SYMBOL MARKING

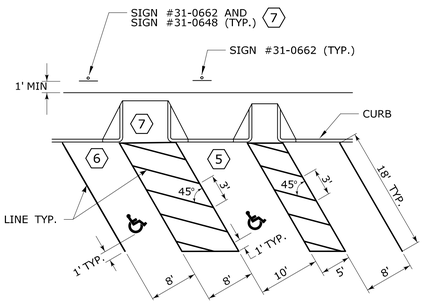


0.7 S.F.

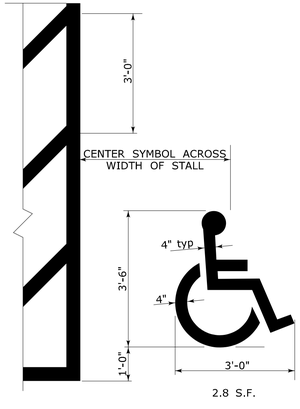
TYPICAL PERPENDICULAR PARKING STALLS DETAIL



TYPICAL ANGLE PARKING STALLS DETAIL



ACCESSIBLE PARKING SPACE SYMBOL



2.8 S.F.

REV.	DATE	REVISION DESCRIPTION

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

Plotted Date: 4/3/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_09.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E. 2017.04.19 11:17:36-04'00'

APPROVED BY: NAME/DATE/TIME:
Gregory M. Dorosh, P.E. 2017.04.20 13:26:20-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RAILROAD GRADE CROSSINGS

STANDARD SHEET NO.:
TR-1210_09

E5 - SERIES

E5-1



COPY & BORDER - WHITE
BACKGROUND - GREEN

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

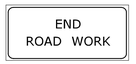
16 - SERIES

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

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

G20 - SERIES

G20-2a



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



VARIABLE MILEAGE

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



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



VARIABLE MILEAGE

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

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

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

M4 - SERIES

M4-8



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

M4-8a



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

M4-10



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



VARIABLE ARROW

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

M4-9b



VARIABLE ARROW

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

M4-9b



VARIABLE ARROW

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

R4 - SERIES

R4-7



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R4-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	24X30	31-1517	1
	12.0	36X48	31-1518	1
	20.0	48X60	31-1519	2

R1 - SERIES

R1-1



COPY & BORDER - WHITE
BACKGROUND - RED

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

R1-2



COPY & BORDER - RED
BACKGROUND - WHITE

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

R9 & R11 - SERIES

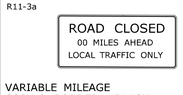
R9-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3a



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9-11



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3b



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9-11a

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3b



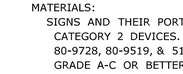
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-2

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

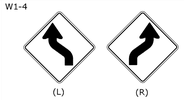


COPY & BORDER - BLACK
BACKGROUND - WHITE

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

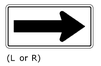
W1 - SERIES

W1-4



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

W1-6

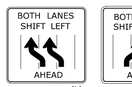


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9424	2
	12.5	60X30	80-9423	2

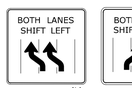
W1-8



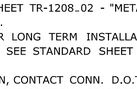
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	18X24	80-9401	1
	5.0	24X30	80-9403	1
	7.5	30X36	80-9404	1



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

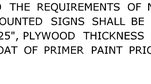


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9434L	2
	16.0	48	80-9436R	2



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

W1-4b



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



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

W1-4c



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

W3 - SERIES

W3-1



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

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

W3-2



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

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

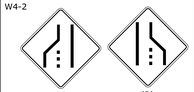
W3-3

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

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

W4-W6 - SERIES

W4-2



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

W6-3



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

W8-W9 - SERIES

W8-1

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

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

W9-2

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

W13 - SERIES

W13-1

SUBPLATE
VARIABLE SPEED

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

VARIABLE SPEED

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

W3-5

VARIABLE SPEED

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

W-16 - SERIES

W16-15P

COPY & BORDER - BLACK
BACKGROUND - ORANGE

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

W20 - SERIES

W20-1

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

W20-1

VARIABLE DISTANCE

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

W20-2

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

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

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

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

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

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

W20-7a

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

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

W16-9P

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

W16-3aP

VARIABLE MILEAGE

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

W21 - SERIES

W21-6

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

W22 - SERIES

W22-1

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

W22-2

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

W22-3

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

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

BLANK OR
VARIABLE LEGEND

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

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

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9928	2
	24.0	72X48	80-9929	2
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

STOP-SLOW PADDLE

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

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

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

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

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

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

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

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17
09:11:08-04'00'

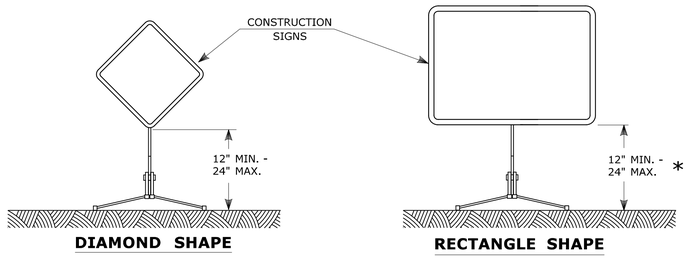
APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:34-04'00'

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:
TR-1220_01

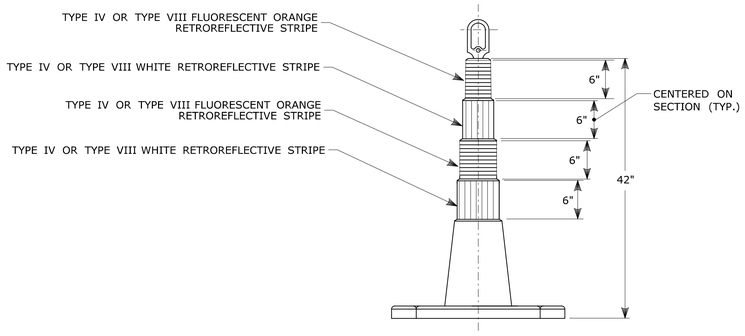


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

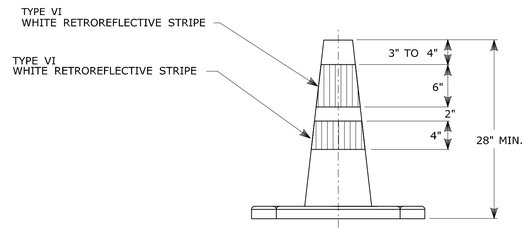
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

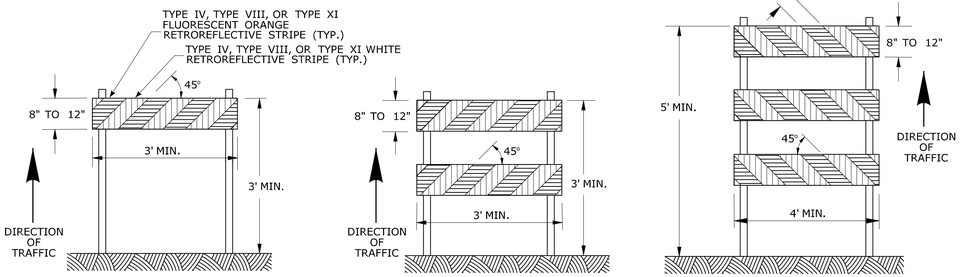
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER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



TRAFFIC CONE

NOTES:

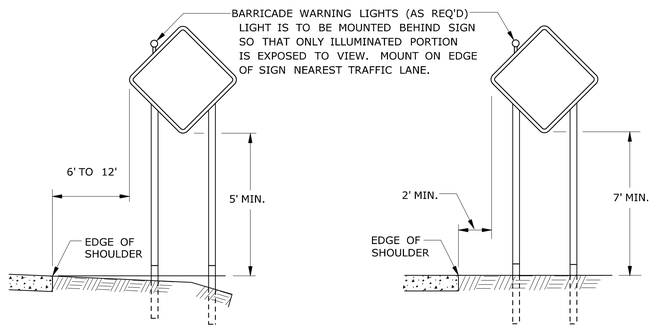
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER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



CONSTRUCTION BARRICADES

NOTES:

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

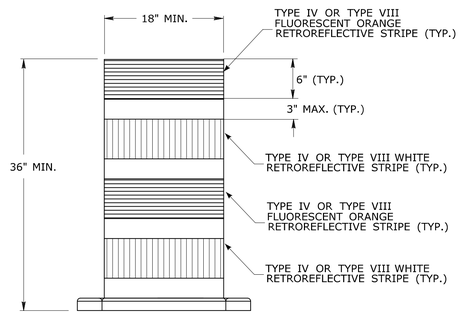


PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

NOTES:

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

REFER TO STANDARD SHEETS:
TR-1208_01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS."
TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."



TRAFFIC DRUM
FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

REV.	DATE	REVISION DESCRIPTION
3	8-2018	UPDATED SHEETING TYPE AND COLOR.
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
1	2-2011	MINOR REVISIONS.

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

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17 09:12:43-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:51-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

STANDARD SHEET NO.:
TR-1220_02