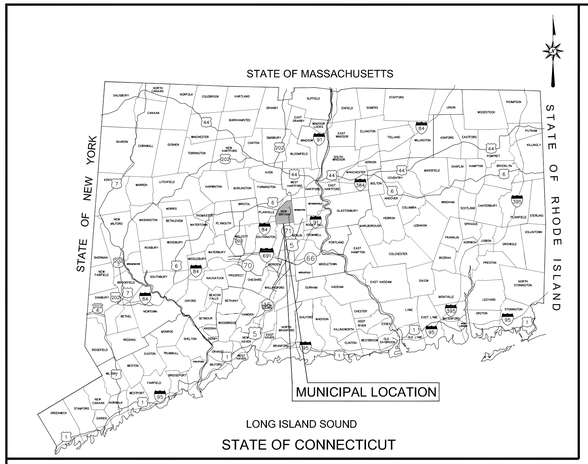


LOCATION MAP
N.T.S.

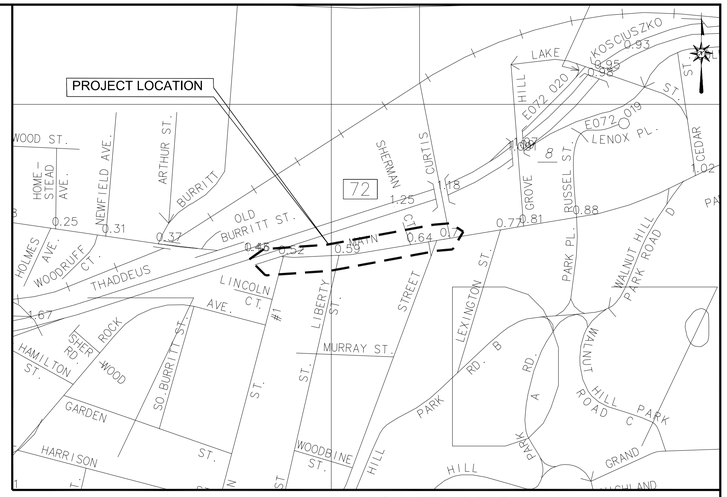
FINAL DESIGN FOR REVIEW SUBMISSION

WEST MAIN STREET PEDESTRIAN & SAFETY IMPROVEMENTS NEW BRITAIN, CONNECTICUT

PREPARED FOR:

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051

CITY ENGINEER: JASON OUTLAW, PE
PUBLIC WORKS DIRECTOR: MARK MORIARTY, PE
MAYOR: ERIN STEWART



VICINITY MAP
SCALE: 1"=350'

CONSTRUCTION STANDARDS:

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 819, DATED 2024 AND SPECIAL PROVISIONS.

ALL HORIZONTAL GEOMETRY ON THIS PROJECT IS BASED ON A FIELD SURVEY PERFORMED BY MARTIN SURVEYING ASSOCIATES, LLC. DATED: MARCH 2024 ON HORIZONTAL DATUM NAD83.

ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD88.

2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

DESIGN STANDARDS:

CITY OF NEW BRITAIN DESIGN STANDARDS

CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL. (REVISED JANUARY 2023)

A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2018 EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)

AASHTO 2012 GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES

2023 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS

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TCS-09	TRAFFIC SIGNAL CONTROL PLAN (FOR INFORMATIONAL ONLY)

STANDARD STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION DETAILS

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TR-GS-INDEX	TRAFFIC GUIDE SHEET INDEX
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TR-1107_01	PEDESTRIAN PUSH BUTTON
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TR-1208_01	SIGN PLACEMENT AND RETROFLECTIVE STRIP DETAILS
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS
TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS
TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVIES

PREPARED BY:

BL Companies
LANDSCAPE KENT + FROST ARCHITECTURE

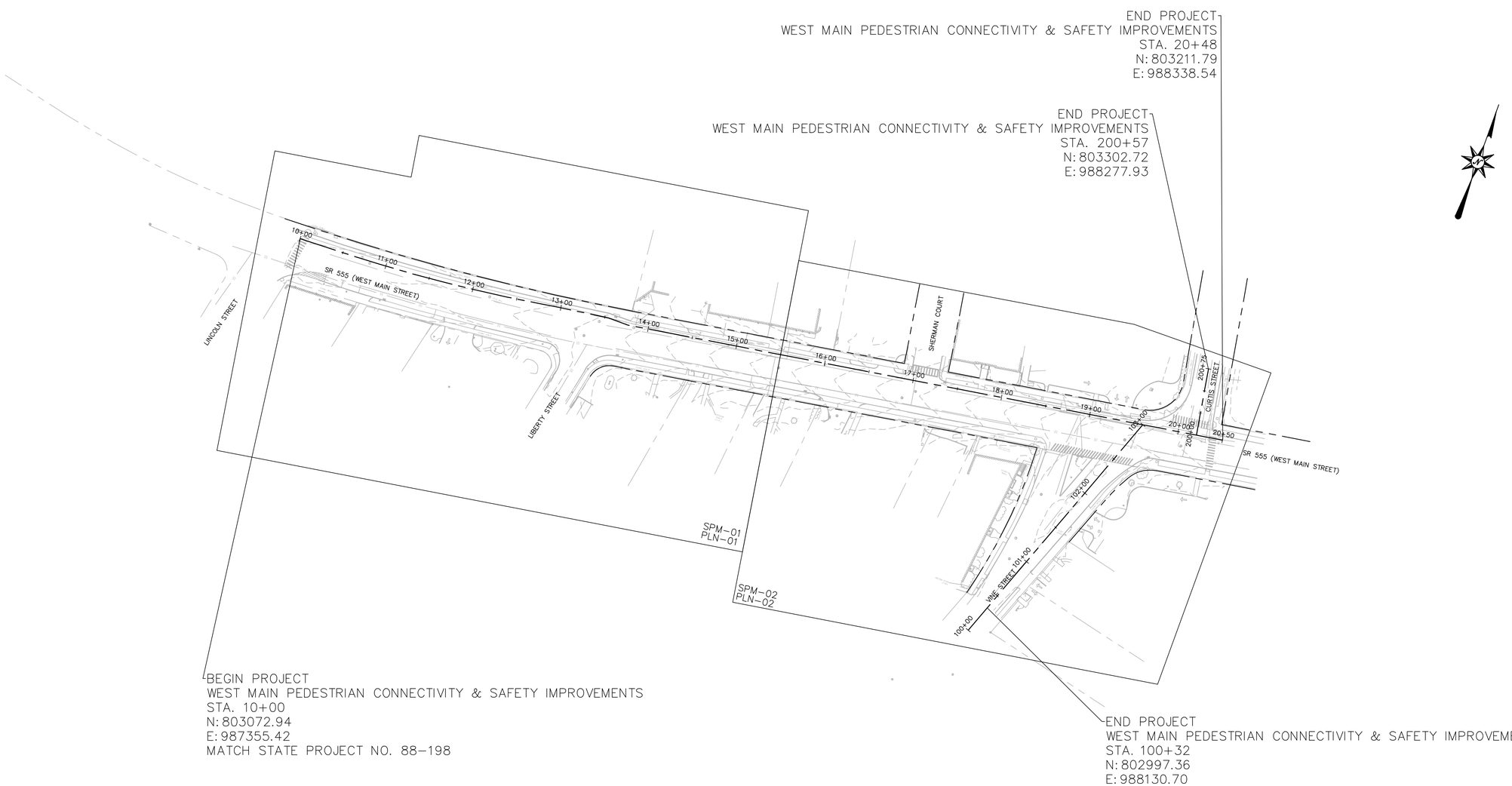
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

DATES

ISSUE DATE: AUGUST 1, 2025

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	1"=60'
Project No.	2400730
Date	05/20/2025
CAD File: INX240073001	

Title

INDEX PLAN

Sheet No.

IND-01

Xref (s) : $$2024007300 ; XR240073001 ; SPS4007300 ; XC240073001

5/19/2025, DWG:\TRN_\BLCOMPANIES.COM\DATA\PROJ\CORSON\INX\400730\DWG\INX01 - INDEX.DWG

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MAP NOTES:

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED JUNE 21, 1996; AMENDED OCTOBER 26, 2018.

2. THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A TOPOGRAPHIC & RIGHT OF WAY SURVEY.

3. THE RIGHT OF WAY LINES DEPICTED HEREON CONFORM TO A CLASS A-2 ACCURACY.

4. PROPERTY/BOUNDARY LINES DEPICTED HEREON CONFORM TO A CLASS D ACCURACY AS THEY HAVE BEEN COMPILED FROM LIMITED FIELD MEASUREMENTS, RECORD RESEARCH, AND OTHER MAPS. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

5. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY.
THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY.
THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.

6. THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING GEOID 18. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON JANUARY 30, 2024, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTNE BASE), HAVING THE FOLLOWING VALUES:

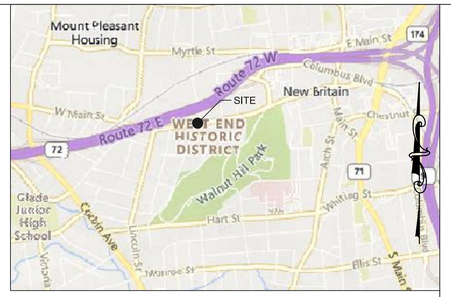
   LATITUDE = N 41° 40' 24.71719"
   LONGITUDE = W 72° 42' 52.25224"
   ELLIPSOID HEIGHT = 41.746M

7. THE TOPOGRAPHIC FEATURES DEPICTED AND NOTED HEREON ARE THE RESULT OF A FIELD SURVEY CONDUCTED IN FEBRUARY, 2024 UNLESS OTHERWISE NOTED.

8. UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART FROM OBSERVABLE SURFACE EVIDENCE WHILE CONDUCTING THE FIELD SURVEY, RECORD MAPPING SUPPLIED BY THE RESPECTIVE COMPANIES OR GOVERNMENTAL AGENCIES AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC.. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.

MAP REFERENCES:

REFERENCE HAS BEEN MADE TO THE FOLLOWING MAPS AVAILABLE AT THE CITY OF NEW BRITAIN ENGINEERING DEPARTMENT: D15 1368, D15 1463, DH9 984.



SITE LOCATION MAP (NOT TO SCALE)

CT N.A.D. 1983 (2011)

MATCH LINE SEE SHEET 2

N/F
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
411 W MAIN ST
MBL: D6C 99

N/F
TFC REALTY LLC
387 W MAIN ST
MBL: D6C 36

N/F
LH DEVELOPMENT LLC
381 W MAIN ST
MBL: D6C 35

ROUTE 72
NON ACCESS HIGHWAYLINE

WEST MAIN STREET
(STATE ROUTE NO. 555)

LINCOLN STREET
(PUBLIC RIGHT OF WAY)

LIBERTY STREET
(PUBLIC RIGHT OF WAY)

'C' CB
TF= 212.51'
(NO PIPES VISIBLE)
SUMP= 205.71'

BUTTON BOX

CONC. WALL

TRAFIC LIGHTPOLE

CONC. PAD MOUNTED ELEC TRANSFORMER

H.H. TRAFFIC

CHAIN LINK FENCE

CONC. CURB

CONC. WALK

GRANITE CURB

F.F.E.=213.95'

F.F.E.=214.01'

F.F.E.=214.05'

F.F.E.=213.91'

F.F.E.=217.07'

F.F.E.=214.07'

'C' CB
TF= 213.36'
12" C.I. TOP HOOD= 210.26'(N)

IRON PIPE FOUND

PLANTED AREA

BIT. CURB

HIGH POWER UNDERGROUND DUCT BANK

LOW POWER UNDERGROUND DUCT BANK

'C' CB
TF= 216.06'
(NO PIPES VISIBLE)
SUMP= 212.76'

TELE. MH (PAVED)

ELEC. MH (PAVED)

12" SAN PER RECORD MAP

15" STM PER RECORD MAP

SMH (PAVED)
TF= 216.0'±

DMH (PAVED)
TF= 216.1'±

APPROX 6" WATER MAIN PER RECORD MAP

FIELD LOCATED ELEC PAINT TYP

FIELD LOCATED GAS PAINT TYP.

SMH
TF= 220.60'
12" CLAY INV= 208.10' (E)
12" CLAY INV= 208.40' (NE)
12" CLAY INV= 207.90'(W)

F.F.E.=218.76'

F.F.E.=220.37'

F.F.E.=220.39'

F.F.E.=220.70'

F.F.E.=221.40'

F.F.E.=223.37'

F.F.E.=224.49'

F.F.E.=224.47'

PORCH

H.H.

GV

WG

HYD.

'C' CB
TF= 216.17'
12" C.I. TOP HOOD= 213.07'(W)
SUMP= 211.97'

IRON PIPE FOUND

IRON PIN FOUND

BIT. DRIVE

STONE WALK (TYP.)

C.O.

N/F
JL HOLDINGS LLC
430 W MAIN ST
MBL: D7B 19

N/F
JL HOLDINGS LLC
426 W MAIN ST
MBL: D7B 18

N/F
STORE MASTER FUNDING V LLC
412 W MAIN ST
MBL: D7B 17

N/F
WEST MAIN PROPERTY LLC
396 W MAIN ST
MBL: D7B 16

N/F
DIANE CHEN
390 W MAIN ST
MBL: D7B 15

N/F
JAIRO & MARTHA CASTANO
380 W MAIN ST
MBL: D7B 14

F.F.E.=215.91'

LEGEND:

- IRON PIN (FOUND)
- Rebar/Drill Hole (To Be Set)
- MONUMENT (FOUND)
- MANHOLE
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- ELEC. MANHOLE
- TELE. MANHOLE
- "C" CATCH BASIN
- "C-L" CATCH BASIN
- DECIDUOUS TREES
- EVERGREEN TREES
- SHRUB/BUSH
- FLAG POLE
- TRAFFIC CONTROL BOX
- SIGN
- POST
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- WATER GATE
- WATER METER
- GAS VALVE
- GAS METER
- TRANSFORMER
- ELEC. METER
- MAIL BOX
- HAND HOLE
- BUTTON BOX
- A.C. UNIT
- TRAFFIC LIGHT POLE
- BOUNDARY LINE
- GUARD RAIL
- UNDERGROUND PIPING (San.,Stm.)
- U/G GAS LINE
- U/G ELEC. LINE
- WATER LINE
- OVERHEAD UTILITIES
- U/G TELE. LINE
- CHAIN LINK FENCE
- TREE LINE
- LOW POWER CONDUIT
- HIGH POWER CONDUIT

martin
Surveying Associates, LLC
201 CHRISTIAN LANE BERLIN, CT 06037
860-832-9328
WWW. MARTINSURVEY.COM

REVISIONS:

TOPOGRAPHIC & RIGHT OF WAY SURVEY ALONG PORTION OF WEST MAIN STREET STATE ROUTE NO. 555 FROM LINCOLN STREET EASTERLY TO CURTIS STREET NEW BRITAIN, CONNECTICUT

10 0 10 20 30
SCALE:1"=20'

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

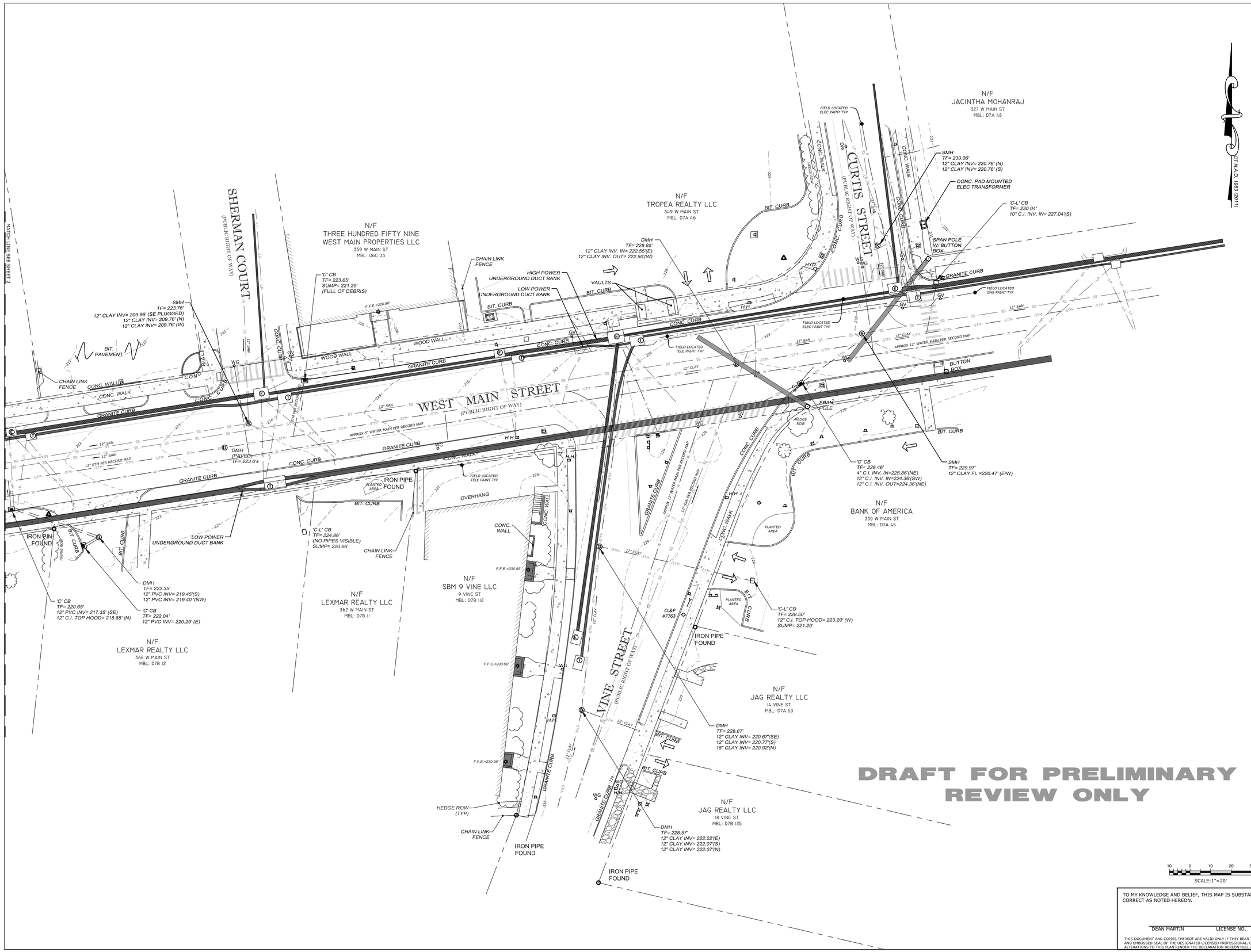
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MSA PROJECT NO: 24-014

SCALE: 1"=20'	DRAWN BY: GD/BM
DATE: 2024-03-05	CHECKED BY: D.G.M.
	SHEET: 1 OF 2

DRAFT FOR PRELIMINARY REVIEW ONLY



DRAFT FOR PRELIMINARY REVIEW ONLY

SCALE: 1"=20'

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

70147
DEAN MARTIN — LICENSE NO.

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LEGEND:

- IRON PIN (FOUND)
- Rebar/Drill Hole (To Be Set)
- MONUMENT (FOUND)
- MANHOLE
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- ELEC. MANHOLE
- TELE. MANHOLE
- "C" CATCH BASIN
- "C-L" CATCH BASIN
- DECIDUOUS TREES
- EVERGREEN TREES
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- GAS VALVE
- GAS METER
- TRANSFORMER
- ELEC. METER
- MAIL BOX
- HAND HOLE
- BUTTON BOX
- A.C. UNIT
- TRAFFIC LIGHT POLE
- BOUNDARY LINE
- GUARD RAIL
- UNDERGROUND PIPING (San.,Stm.)
- G — U/G GAS LINE
- E — U/G ELEC. LINE
- W — WATER LINE
- \\ — OVERHEAD UTILITIES
- T — U/G TELE. LINE
- CHAIN LINK FENCE
- TREE LINE
- LP — LOW POWER CONDUIT
- HP — HIGH POWER CONDUIT

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WWW. MARTINSURVEY.COM

REVISIONS:

TOPOGRAPHIC & RIGHT OF WAY SURVEY ALONG PORTION OF WEST MAIN STREET STATE ROUTE NO. 555 FROM LINCOLN STREET EASTERLY TO CURTIS STREET NEW BRITAIN, CONNECTICUT

MSA PROJECT NO: 24-014

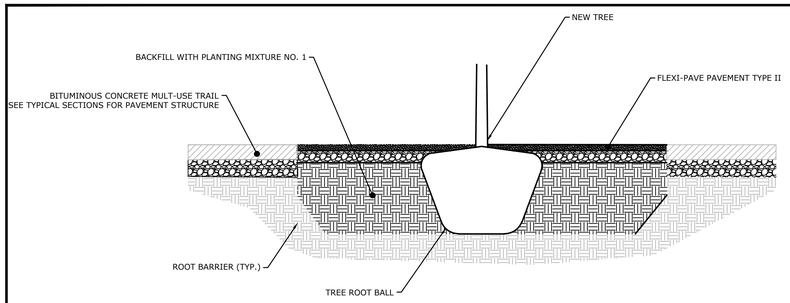
SCALE: 1"=20'

DRAWN BY: GD/BM

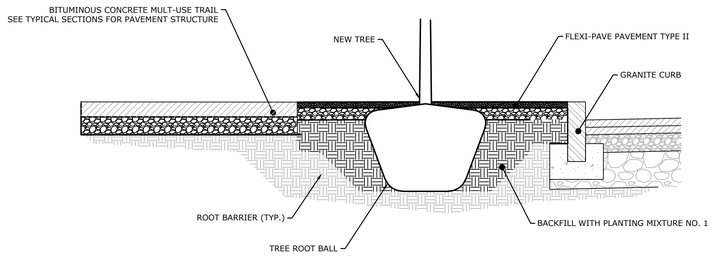
DATE: 2024-03-05

CHECKED BY: D.G.M.

SHEET: 2 OF 2



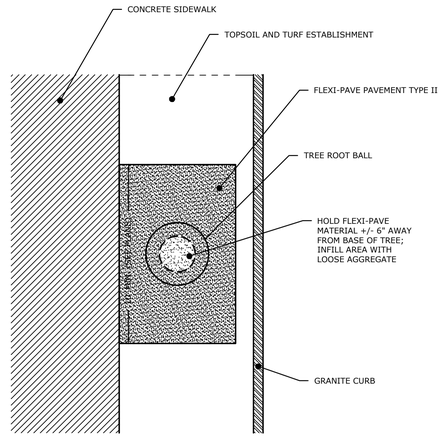
LONGITUDINAL SECTION



TRANSVERSE SECTION

FLEXI-PAVE PAVEMENT FOR NEW TREE

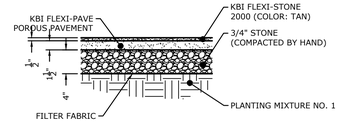
N.T.S.



NOTE:
1. SEE STANDARD DETAILS FOR NEW TREE PLANTINGS IN GRASS

FLEXI-PAVE PAVEMENT FOR NEW TREE - PLAN VIEW

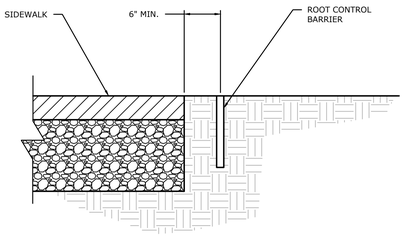
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TYPE II

FLEXI-PAVE PAVEMENT FOR NEW TREE - SECTION VIEW

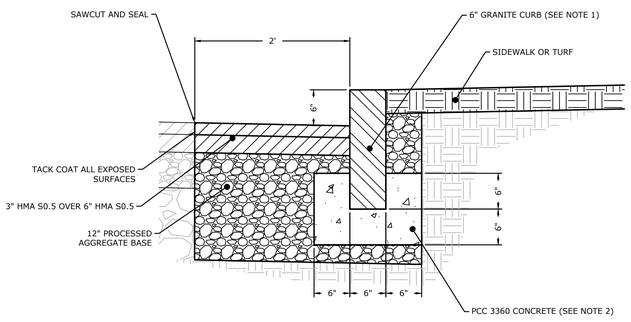
N.T.S.



NOTE:
1. ROOT CONTROL SYSTEM (ROOT BARRIER) INSTALLED TO A DEPTH OF 12 INCHES AT ALL SPECIFIED LOCATIONS.
2. ROOT CONTROL SHALL BE INSTALLED AT A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES FROM EDGE OF TRAIL.

ROOT BARRIER

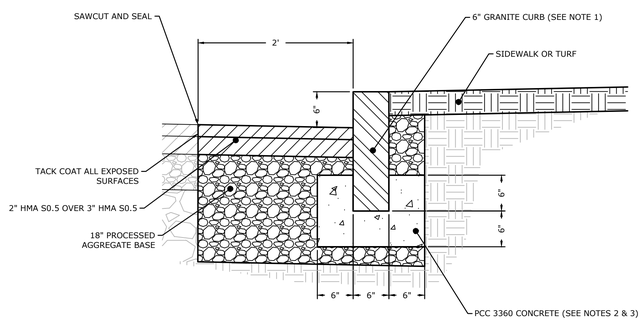
N.T.S.



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. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS.
4. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

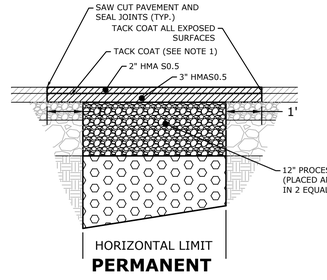
GRANITE CURBING - WEST MAIN STREET

N.T.S.



GRANITE CURBING - VINE STREET

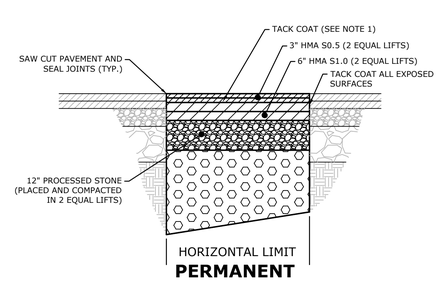
N.T.S.



NOTE:
1. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS
2. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

BIT. CONCRETE PATCHING - CITY

N.T.S.



NOTE:
1. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS.
2. TO BE USED ON ALL ROADWAYS WITHIN STATE RIGHT OF WAY.

BIT. CONCRETE PATCHING - STATE

N.T.S.

Architecture
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BL Companies

100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2400730
Date	05/20/2025
CAD File:	MDS240073001

Title

MISCELLANEOUS DETAILS

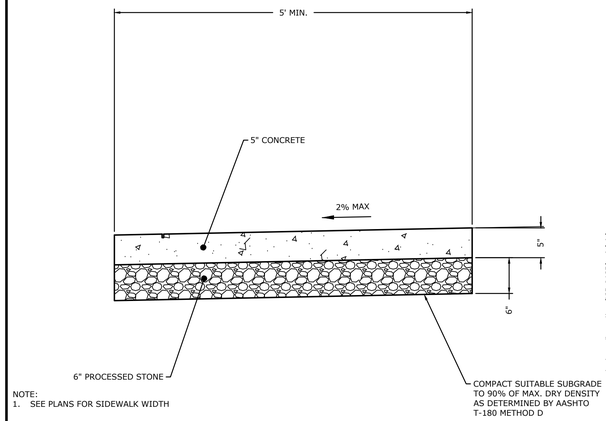
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MDS-01

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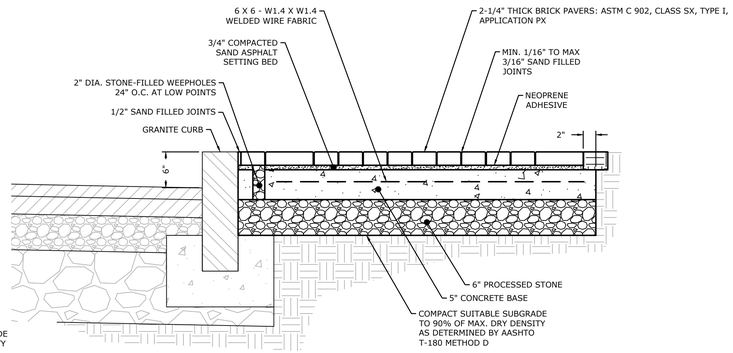
5/19/2025, DRAWING: \\BLCOMPANIES.COM\DFS\PROJ\CVR\SYR\CVR0SYR01\CAD\C3D\CIVIL\SHEETS\MDS01.DWG, LAYOUT: MDS-01



NOTE:
1. SEE PLANS FOR SIDEWALK WIDTH

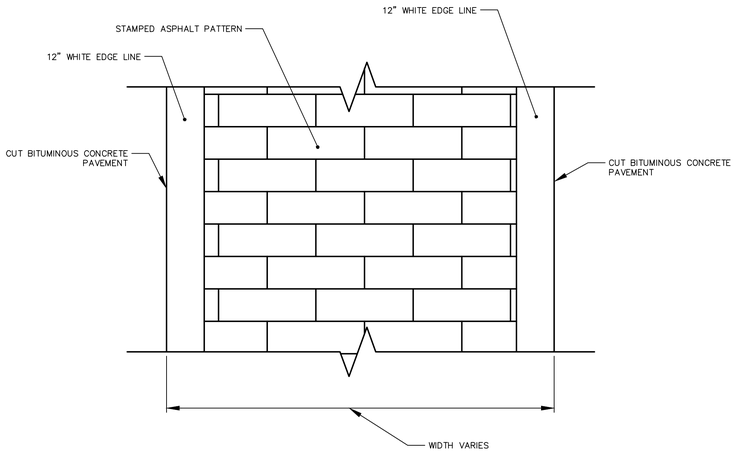
CONCRETE SIDEWALK

N.T.S.



BRICK PAVER SIDEWALK

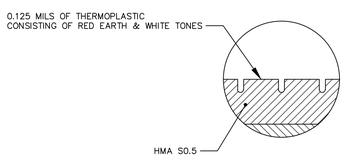
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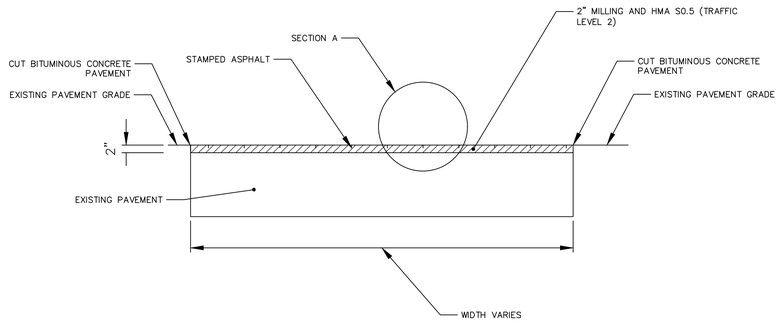


NOTES:

1. OWNER SHALL SELECT STAMPED PATTERN AND COLOR. CONTRACTOR TO PROVIDE 48" X 48" SAMPLE FOR ENGINEER AND OWNER APPROVAL.

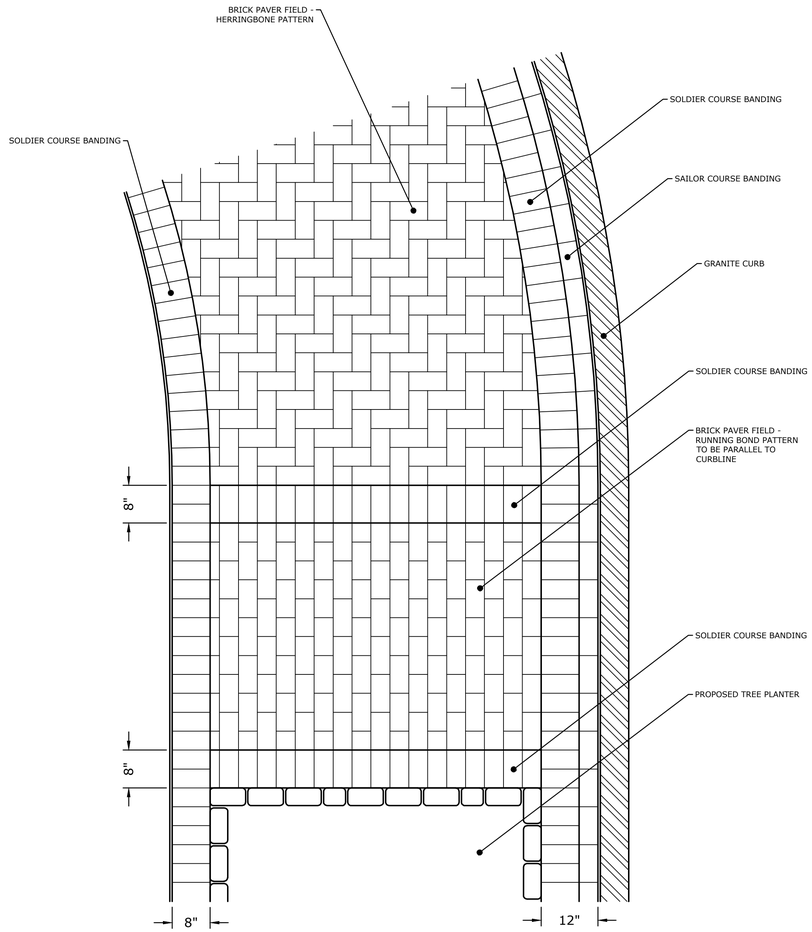
2. STAMPED BITUMINOUS CONCRETE TO BE PAID FOR UNDER ITEM #0922999A – INLAID THERMOPLASTIC PAVEMENT MARKING SYSTEM





STAMPED ASPHALT CROSSWALK

N.T.S.



NOTE:
1. ALL PATTERNS WILL BE INCLUDED IN COST OF BRICK PAVER SIDEWALK
2. FIELD PATTERN TO BE APPROVED BY THE ENGINEER.
3. FULL PAVERS TO START AT EDGE OF 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.
5. ALUMINUM EDGE RESTRAIN TO BE INSTALLED IN AREAS WHERE TURF IS ESTABLISHED ADJACENT TO THE BRICK PAVERS.

BRICK PAVER SIDEWALK

N.T.S.

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2400730
Date	05/20/2025

CAD File: MDS2400730O1

Title

MISCELLANEOUS DETAILS

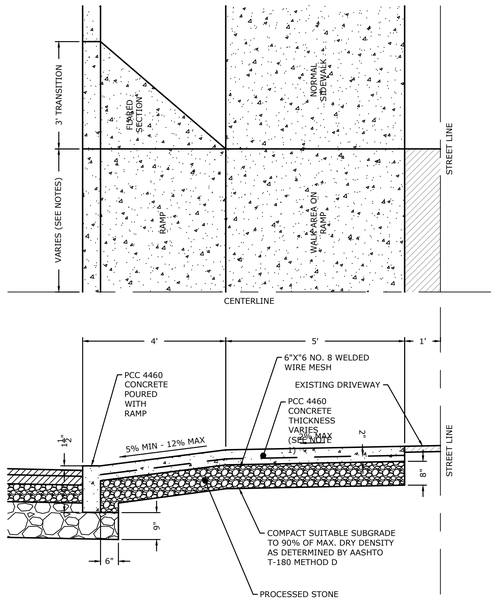
Sheet No.

MDS-02

Xref (s): BD2400730O1

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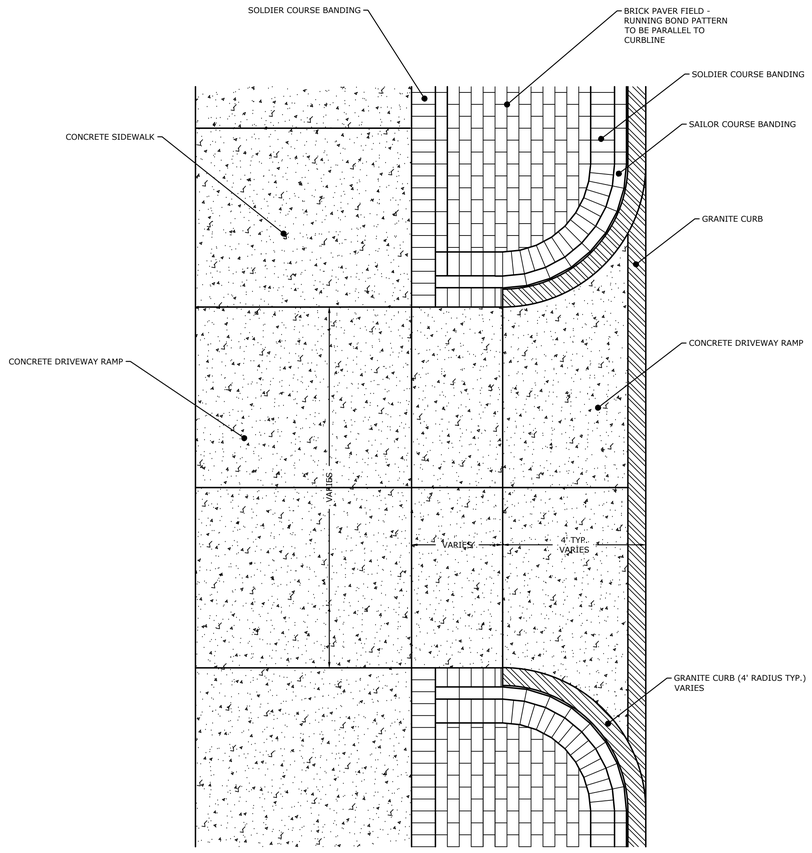
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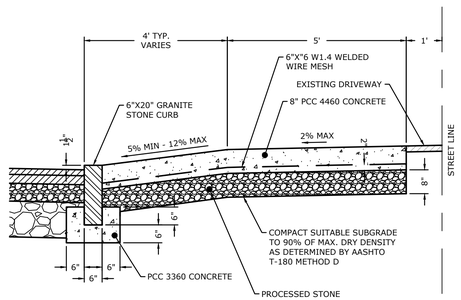
NOTE:
1. CONCRETE TO BE 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS
2. SEE CONCRETE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS
3. DRIVEWAY WIDTHS - MIN. 10', MAX. 20'. DRIVEWAYS GREATER THAN 20' REQUIRE APPROVAL FROM THE CITY ENGINEER

CONCRETE DRIVEWAY RAMP

N.T.S.



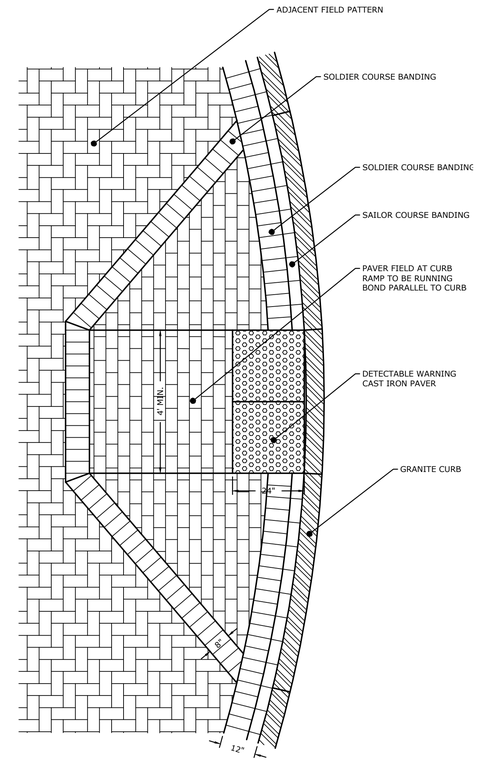
NOTE:
1. ALL PATTERNS TO BE INCLUDED IN COST OF BRICK PAVER SIDEWALK.
2. FIELD PATTERN TO BE APPROVED BY THE ENGINEER.
3. FULL PAVERS TO START AT EDGE CLOSEST TO STREET. CUT PAVER, WHEN REQUIRED, SHALL BE PLACED AT EDGE FURTHEST FROM THE STREET.
4. ALL PAVERS TO BE 4" X 8" UNLESS OTHERWISE NOTED ON THE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



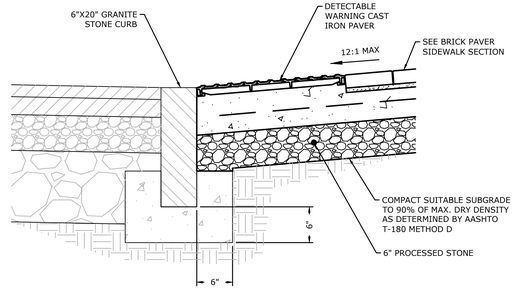
NOTE:
1. CONCRETE TO BE PLACED CONTINUOUSLY AT BASE OF GRANITE CURBING FOR ENTIRE WIDTH OF CONCRETE DRIVEWAY APRON INCLUDING FLARED SECTIONS OR CURVED RETURNS TO BE INCLUDED IN THE L.F. PRICE OF 6" GRANITE STONE CURB
2. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS

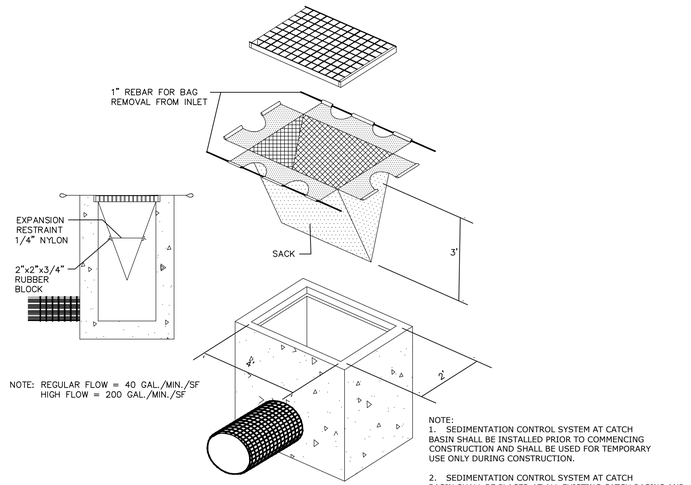
CONCRETE DRIVEWAY RAMP AT BRICK PAVER SIDEWALK

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.


6"X20" GRANITE STONE CURB
DETECTABLE WARNING CAST IRON PAVER
12:1 MAX
SEE BRICK PAVER SIDEWALK SECTION
4
4
4



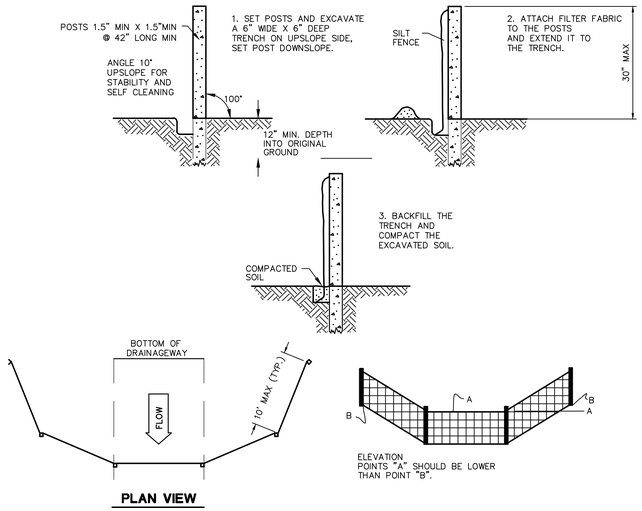
NOTE: REGULAR FLOW = 40 GAL./MIN./SF
HIGH FLOW = 200 GAL./MIN./SF

NOTE:
1. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE USED FOR TEMPORARY USE ONLY DURING CONSTRUCTION.

2. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN SHALL BE PLACED AT ALL EXISTING CATCH BASINS AND INLETS WITHIN THE PROJECT LIMITS, OR AT ANY CATCH BASINS OR INLETS THAT MAY BE IMPACTED BY CONSTRUCTION AS DIRECTED BY THE ENGINEER.

SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN

N.T.S.



SEDIMENTATION CONTROL SYSTEM

N.T.S.

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2400730
Date	05/20/2025

CAD File: MDS240073001

Title

MISCELLANEOUS DETAILS

Sheet No.

MDS-04

Xref (s) : BDS240073001

5/19/2025, DWG=NTS, \\BLCOMPANIES.COM\DFS\PROJ_VOL3\2400\240073\DWG\MDS\MDS240073001.DWG, MDS-04 24X36 ANSI C

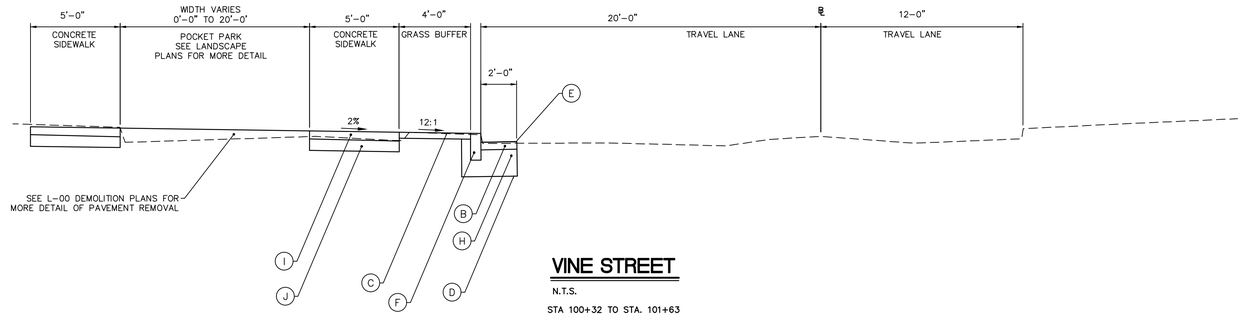
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LEGEND

- (A) POINT OF APPLICATION OF GRADE
- (B) 2" HMA S0.5 OVER 3" HMA S0.5 (TRAFFIC LEVEL 1)
- (C) 4" TOPSOIL AND TURF ESTABLISHMENT
- (D) FORMATION OF SUBGRADE
- (E) CUT BITUMINOUS CONCRETE PAVEMENT
- (F) REFER TO PLANS FOR CURBING MATERIAL TYPE
- (G) 5" HMA S0.5 TRAFFIC LEVEL 2 (TWO EQUAL LIFTS)
- (H) 18" PROCESSED AGGREGATE
- (I) 5" CONCRETE SIDEWALK
- (J) 6" PROCESSED STONE
- (K) 12" SUBBASE
- (L) 3" HMA S0.5
- (M) 6" HMA S1.0 (TWO EQUAL LIFTS)
- (N) 12" PROCESSED AGGREGATE
- (O) 2" FINE MILLING OF BITUMINOUS CONCRETE AND PLACE 2" S0.5 HMA (SEE PLANS FOR LOCATION)

GENERAL NOTES

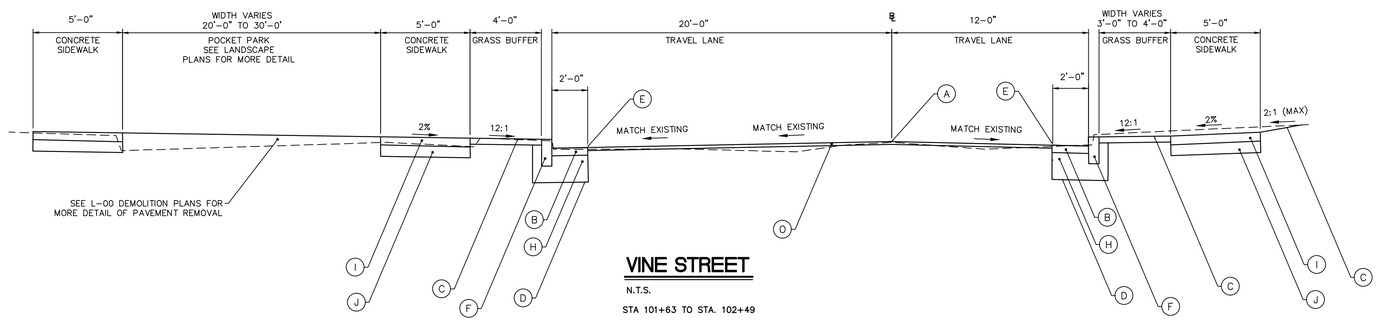
1. ADD TACK COAT TO ALL HORIZONTAL AND VERTICAL SURFACES



VINE STREET

N.T.S.

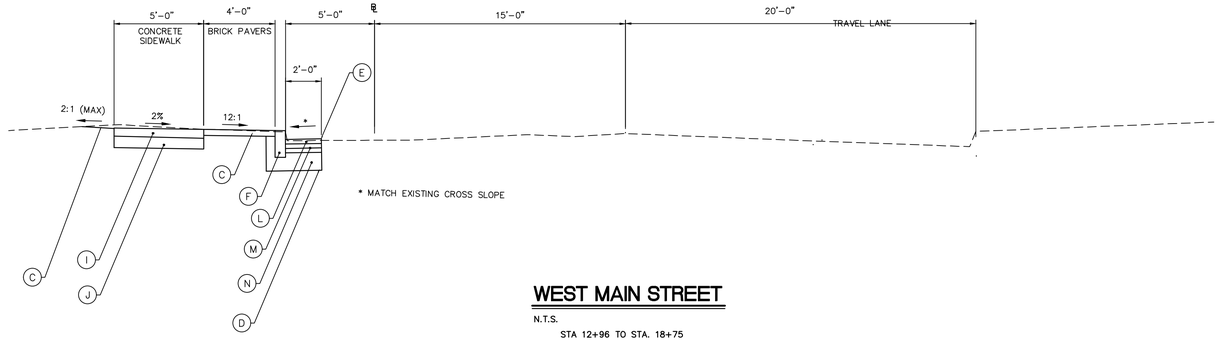
STA 100+32 TO STA. 101+63



VINE STREET

N.T.S.

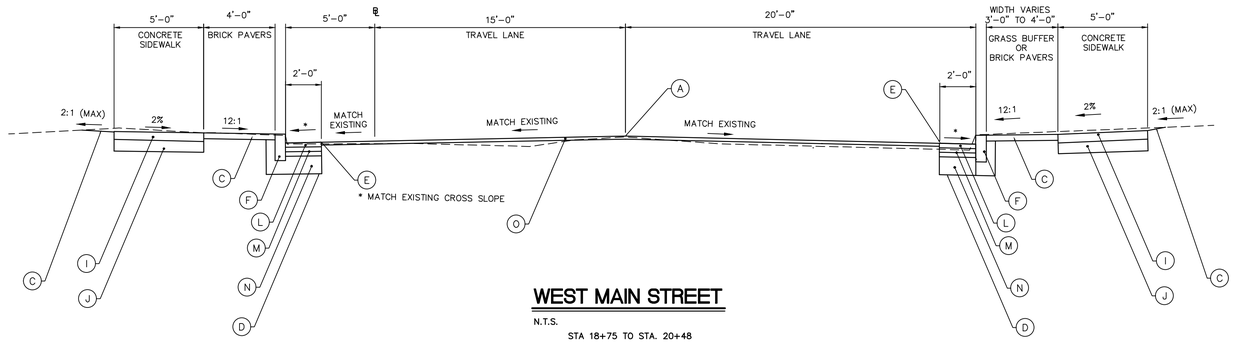
STA 101+63 TO STA. 102+49



WEST MAIN STREET

N.T.S.

STA 12+96 TO STA. 18+75



WEST MAIN STREET

N.T.S.

STA 18+75 TO STA. 20+48

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2400730
Date	05/20/2025
CAD File: TYP240073001	

Title

TYPICAL SECTIONS

Sheet No.

TYP-01

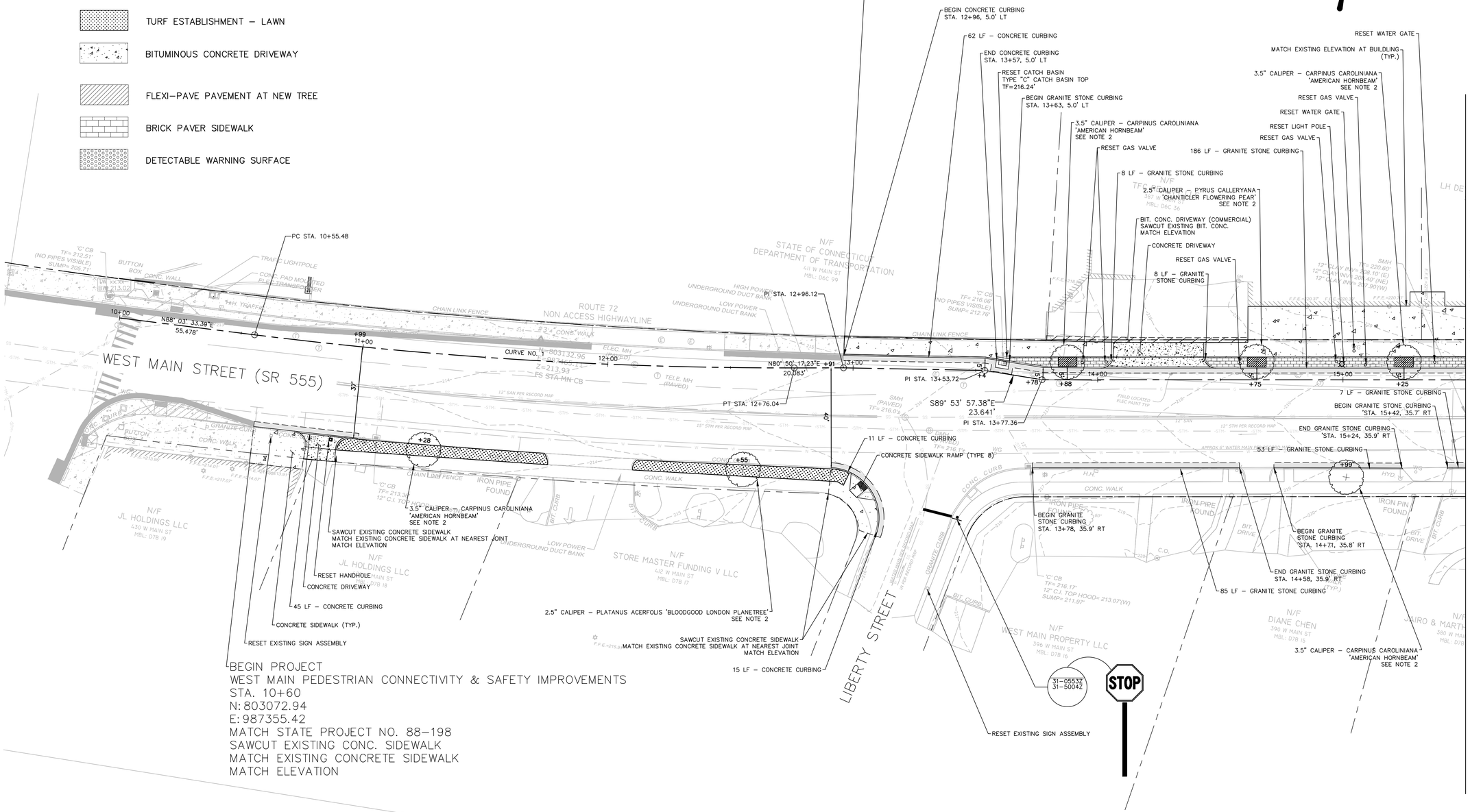
Xref (s) : BD240073001

5/19/2025, DWG=P:\BL COMPANIES\CONVERSYPRO_V2023\24XX\24073\DWG\TYP240073001.DWG, TYP-01, 24X36 HTS

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LEGEND

- CONCRETE SIDEWALK
- CUT BITUMINOUS CONCRETE PAVEMENT
- FULL DEPTH RECONSTRUCTION
- TURF ESTABLISHMENT – LAWN
- BITUMINOUS CONCRETE DRIVEWAY
- FLEXI–PAVE PAVEMENT AT NEW TREE
- BRICK PAVER SIDEWALK
- DETECTABLE WARNING SURFACE



CURVE DATA							
CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 1	PC	803116.41	987349.61	7°13'16"	1750.0'	110.43'	220.56'
	PI	803120.15	987459.98				
	PT	803137.73	987568.99				

GENERAL NOTES

1. SEE ROADWAY PLAN SHEET NO. 2 (PLN–02) FOR SIGNING NOTES, STANDARD SIGNING CONVENTIONS, AND PAVEMENT MARKING NOTES.
2. INSTALL ROOT BARRIER TO PROTECT SIDEWALK DAMAGE CAUSED BY SURFACE ROOTS.

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2400730
Date	05/20/2025
CAD File: SP240073001	

Title

ROADWAY PLAN

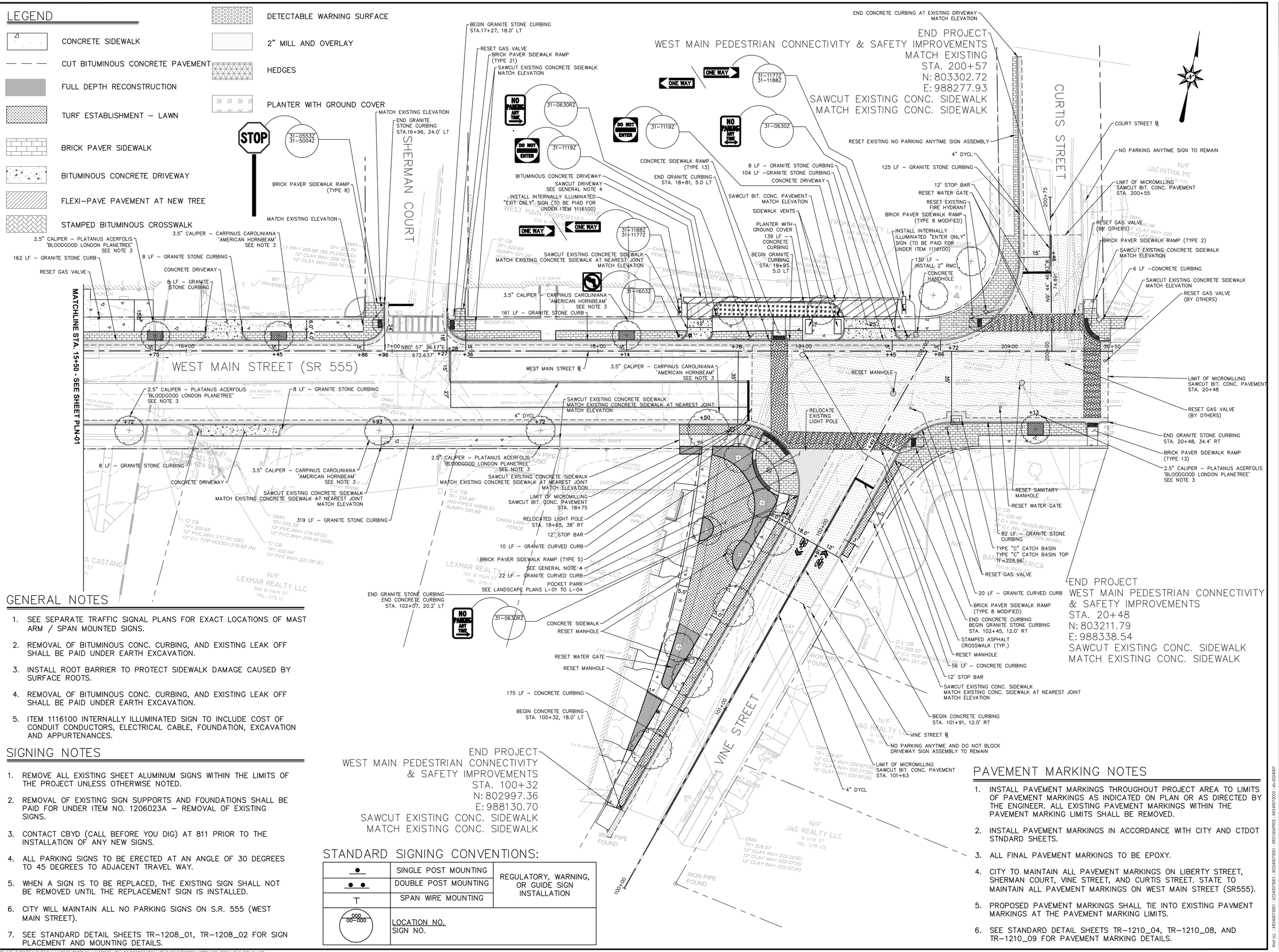
Sheet No.

PLN–01

BY USERS: DNGUYEN, L:\BECOMPANIES.COM\DATA\PROJ_CIVIL\2024\XX\240730\DWG\PLN\01 ENGR.DWG
Xref (s) : XR240730001 | XZ240073001 | BD240073001 | XR210009922 | XR240073002 | xb-2024007
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LEGEND

- CONCRETE SIDEWALK
- CUT BITUMINOUS CONCRETE PAVEMENT
- FULL DEPTH RECONSTRUCTION
- TURF ESTABLISHMENT – LAWN
- BRICK PAVER SIDEWALK
- BITUMINOUS CONCRETE DRIVEWAY
- FLEXI–PAVE PAVEMENT AT NEW TREE
- STAMPED BITUMINOUS CROSSWALK
- DETECTABLE WARNING SURFACE
- 2" MILL AND OVERLAY
- HEDGES
- PLANTER WITH GROUND COVER



GENERAL NOTES

1. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.
2. REMOVAL OF BITUMINOUS CONC. CURBING, AND EXISTING LEAK OFF SHALL BE PAID UNDER EARTH EXCAVATION.
3. INSTALL ROOT BARRIER TO PROTECT SIDEWALK DAMAGE CAUSED BY SURFACE ROOTS.
4. REMOVAL OF BITUMINOUS CONC. CURBING, AND EXISTING LEAK OFF SHALL BE PAID UNDER EARTH EXCAVATION.
5. ITEM 1116100 INTERNALLY ILLUMINATED SIGN TO INCLUDE COST OF CONDUIT CONDUCTORS, ELECTRICAL CABLE, FOUNDATION, EXCAVATION AND APPURTENANCES.

SIGNING NOTES

1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF THE PROJECT UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING SIGN SUPPORTS AND FOUNDATIONS SHALL BE PAID FOR UNDER ITEM NO. 1206023A – REMOVAL OF EXISTING SIGNS.
3. CONTACT CBYD (CALL BEFORE YOU DIG) AT 811 PRIOR TO THE INSTALLATION OF ANY NEW SIGNS.
4. ALL PARKING SIGNS TO BE ERECTED AT AN ANGLE OF 30 DEGREES TO 45 DEGREES TO ADJACENT TRAVEL WAY.
5. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHALL NOT BE REMOVED UNTIL THE REPLACEMENT SIGN IS INSTALLED.
6. CITY WILL MAINTAIN ALL NO PARKING SIGNS ON S.R. 555 (WEST MAIN STREET).
7. SEE STANDARD DETAIL SHEETS TR–1208_01, TR–1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.

STANDARD SIGNING CONVENTIONS:

●	SINGLE POST MOUNTING	REGULATORY, WARNING, OR GUIDE SIGN INSTALLATION
● ●	DOUBLE POST MOUNTING	
T	SPAN WIRE MOUNTING	
000 00–000	LOCATION NO. SIGN NO.	

PAVEMENT MARKING NOTES

1. INSTALL PAVEMENT MARKINGS THROUGHOUT PROJECT AREA TO LIMITS OF PAVEMENT MARKINGS AS INDICATED ON PLAN OR AS DIRECTED BY THE ENGINEER. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PAVEMENT MARKING LIMITS SHALL BE REMOVED.
2. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH CITY AND CTDOT STNDARD SHEETS.
3. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
4. CITY TO MAINTAIN ALL PAVEMENT MARKINGS ON LIBERTY STREET, SHERMAN COURT, VINE STREET, AND CURTIS STREET. STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON WEST MAIN STREET (SR555).
5. PROPOSED PAVEMENT MARKINGS SHALL TIE INTO EXISTING PAVMENT MARKINGS AT THE PAVEMENT MARKING LIMITS.
6. SEE STANDARD DETAIL SHEETS TR–1210_04, TR–1210_08, AND TR–1210_09 FOR PAVEMENT MARKING DETAILS.

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	D.K.N.
Drawn	D.K.N.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2400730
Date	05/20/2025

CAD File: SP240073001

Title: ROADWAY PLAN

Sheet No.: PLN–02

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REMOVE AND DISPOSE CONCRETE PAVEMENT AND BASE (PAID UNDER ITEM 0202513 - REMOVAL OF CONCRETE SIDEWALK)

WEST MAIN STREET

EXISTING HAND HOLE, SEE CIVIL DRAWINGS, TYP.

SAWCUT EXISTING SIDEWALK, (PAID UNDER ITEM 0202512 - CUT CONCRETE SIDEWALK)

EXISTING PAVEMENT TO REMAIN

CLEAR AND GRUB EXISTING LAWN, TYP. (PAID UNDER ITEM 0201001- CLEARING AND GRUBBING)

EXISTING PATHWAY TO REMAIN, TYP.

EXISTING TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.

9 VINE STREET

PRESERVE AND PROTECT EXISTING DRAINAGE MANHOLE COVER TO BE RAISED, SEE GRADING PLAN

F.F.E.=230.55'

PRESERVE AND PROTECT EXISTING CONCRETE WALKWAY TO REMAIN

PRESERVE AND PROTECT EXISTING UNDERGROUND UTILITY VAULTS, EXISTING UTILITY COVERS TO BE RAISED, SEE GRADING PLAN

F.F.E.=230.56'

PRESERVE AND PROTECT EXISTING CONCRETE WALKWAY TO REMAIN

EXISTING HAND HOLE, SEE CIVIL DRAWINGS, TYP.

SAWCUT PAVEMENT, SEE CIVIL DRAWINGS (PAID UNDER ITEM 0202529 CUT BITUMINOUS CONCRETE PAVEMENT)

PRESERVE AND PROTECT EXISTING CONCRETE WALKWAY TO REMAIN

REMOVE AND DISPOSE CONCRETE PAVEMENT AND BASE (PAID UNDER ITEM 0401000 - CONCRETE FOR PAVEMENT)

F.F.E.=230.58'

CLEAR AND GRUB EXISTING LAWN AREA, TYP.(PAID UNDER ITEM 0201001- CLEARING AND GRUBBING)

REMOVE EXISTING GRANITE STONE CURBING - (PAID UNDER ITEM 0813010 - REMOVAL GRANITE STONE CURBING)

EXISTING TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.

SAWCUT EXISTING SIDEWALK, MATCH EXISTING CONCRETE SIDEWALK AT NEAREST JOINT. MATCH ELEVATIONS. (PAID UNDER ITEM 0202512 - CUT CONCRETE SIDEWALK)

REMOVE AND DISPOSE EXISTING BITUMINOUS PAVEMENT AND BASE (PAID UNDER ITEM 0202000 EARTH EXCAVATION)

IRON PIPE

EXISTING STREETLIGHT TO BE RELOCATED, SEE CIVIL DRAWINGS AND L-01 FOR LOCATION.

REMOVE AND SALVAGE EXISTING DIRECTIONAL SIGNAGE. SEE L-01 FOR LOCATION (PAID UNDER 0100247A - DECORATIVE SIGNING)

SAWCUT PAVEMENT, SEE CIVIL DRAWINGS (PAID UNDER ITEM 0202529 CUT BITUMINOUS CONCRETE PAVEMENT)

CLEAR AND GRUB EXISTING LAWN, TYP.

EXISTING TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.

REMOVE EXISTING CONCRETE CURBING - (PAID UNDER ITEM 0202503 - REMOVAL CONCRETE CURBING)

REMOVE AND DISPOSE EXISTING BITUMINOUS PAVEMENT AND BASE (PAID UNDER ITEM 0202000 EARTH EXCAVATION)

IRON PIPE FOUND

IRON PIPE FOUND

GRANITE CURB

CONC. WALL

CONC. CURB

BIT. CURB

LIMIT OF DISTRUBANCE

VINE STREET

CL&P #7763

SPAIN POLE

'C' CB
TF= 228.46'
4" C.I. INV. IN=225.
12" C.I. INV. IN=22
12" C.I. INV. OUT=2

'C-L' CB
TF= 228.50'
12" C.I. TOP HOOD= 223.20' (W)
SUMP= 221.20'

DMH
TF= 228.67'
12" CLAY INV= 220.67'(SE)
12" CLAY INV= 220.77'(S)
15" CLAY INV= 220.92'(N)

DMH
TF= 228.57'
12" CLAY INV= 222.22'(E)
12" CLAY INV= 222.07'(S)
12" CLAY INV= 222.07'(N)

GV WG

DEMOLITION

1. CONTRACTOR SHALL USE CAREFUL CONSTRUCTION PRACTICES TO MINIMIZE DISTURBANCE OF ALL ITEMS TO REMAIN.
2. SITE CLEANUP AND DISPOSAL OF ALL DEBRIS AND UNSUITABLES GENERATED BY DEMOLITION ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF OFF-SITE PER LOCAL AND STATE REGULATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO SURROUNDING PROPERTY AS A RESULT OF CONSTRUCTION ACTIVITIES.

0 5 10 20
SCALE IN FEET

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kentfrost.com

WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	B.K.
Drawn	A.B.
Reviewed	B.K. + A.F.
Scale	SEE PLAN
Project No.	2024007
Date	05/02/2025

CAD File: SITE DEMO PLAN-2024007

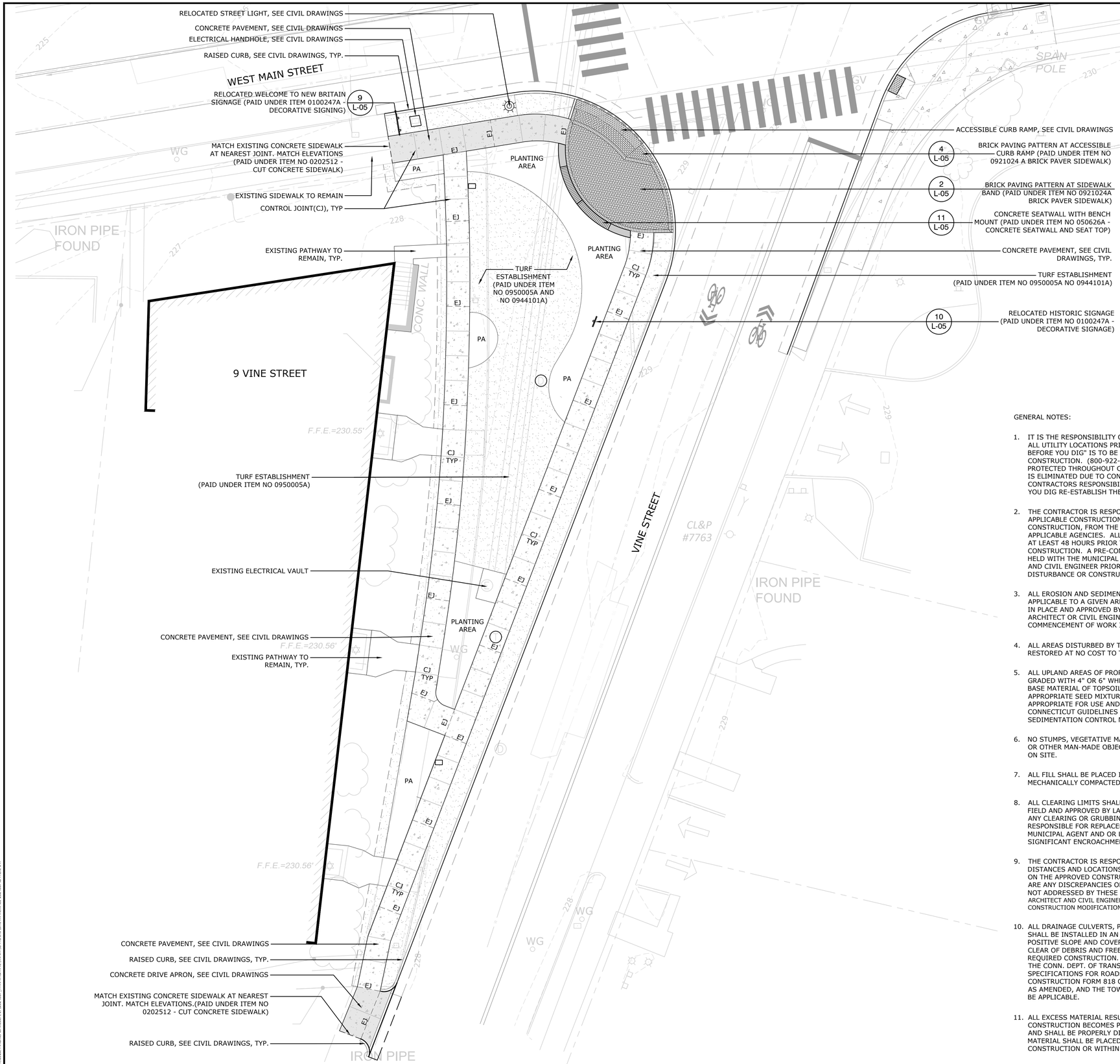
Title
SITE DEMOLITION PLAN

Sheet No.
L-00

Xref IS: - x:\2024007 - xs-2024007 - xc_CIVIL-2024007

4/29/2025, AADINKRABELLA, F:\2024\07 - WMAIN&WPE\MAIN\LAYOUTS\SITE DEMO PLAN-2024007.DWG, L-00

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MATERIAL LEGEND

SYMBOL	DESCRIPTION
	CONCRETE PAVEMENT, SEE CIVIL DRAWINGS
	BRICK SIDEWALK PAVEMENT
	BITUMINOUS CONCRETE PAVEMENT
	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
	RAISED CURB
	FLUSH CURB
	DECIDUOUS TREE PLANTING
	MIXED GROUNDCOVER AND/OR ORNAMENTAL GRASS PLANTINGS

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. "CALL BEFORE YOU DIG" IS TO BE NOTIFIED PRIOR TO ANY CONSTRUCTION. (800-922-4455). MARKINGS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. IF ANY MARKING IS ELIMINATED DUE TO CONSTRUCTION ACTIVITIES IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE CT CALL BEFORE YOU DIG RE-ESTABLISH THE UTILITY MARKING.

2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE CONSTRUCTION PERMITS, PRIOR TO CONSTRUCTION, FROM THE TOWN ALONG WITH ANY OTHER APPLICABLE AGENCIES. ALL AGENCIES ARE TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING IS TO BE HELD WITH THE MUNICIPAL AGENT, LANDSCAPE ARCHITECT, AND CIVIL ENGINEER PRIOR TO THE COMMENCEMENT OF ANY DISTURBANCE OR CONSTRUCTION.

3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES APPLICABLE TO A GIVEN AREA OF CONSTRUCTION SHALL BE IN PLACE AND APPROVED BY EITHER THE LANDSCAPE ARCHITECT OR CIVIL ENGINEER PRIOR TO THE COMMENCEMENT OF WORK IN THAT AREA.

4. ALL AREAS DISTURBED BY THE CONTRACTOR TO BE RESTORED AT NO COST TO THE CITY.

5. ALL UPLAND AREAS OF PROPOSED FILL SHALL BE FINISH GRADED WITH 4" OR 6" WHEN PLACED OVER EXISTING ROAD BASE MATERIAL OF TOPSOIL AND SEEDED WITH AN APPROPRIATE SEED MIXTURE BASED ON RECOMMENDATION APPROPRIATE FOR USE AND SEASON AS DELINEATED BY THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVE.

6. NO STUMPS, VEGETATIVE MATTER, CONSTRUCTION DEBRIS, OR OTHER MAN-MADE OBJECTS ARE PERMITTED TO BE BURIED ON SITE.

7. ALL FILL SHALL BE PLACED IN SIX INCH (6") LIFTS AND MECHANICALLY COMPACTED.

8. ALL CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO ANY CLEARING OR GRUBBING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT PLANTINGS SUITABLE TO MUNICIPAL AGENT AND OR LANDSCAPE ARCHITECT FOR ANY SIGNIFICANT ENCROACHMENT BEYOND CLEARING LIMITS.

9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DISTANCES AND LOCATIONS AND QUANTITIES AS DEPICTED ON THE APPROVED CONSTRUCTION DOCUMENTS. IF THERE ARE ANY DISCREPANCIES OR CHANGES IN FIELD CONDITIONS NOT ADDRESSED BY THESE DOCUMENTS, THE LANDSCAPE ARCHITECT AND CIVIL ENGINEER SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION MODIFICATIONS.

10. ALL DRAINAGE CULVERTS, PROPOSED OR REPLACEMENT, SHALL BE INSTALLED IN AN APPROPRIATE MANNER WITH POSITIVE SLOPE AND COVER, WITH INLET AND OUTLET ENDS CLEAR OF DEBRIS AND FREE FLOWING AS PART OF THE REQUIRED CONSTRUCTION. SPECIFICATIONS SET FORTH BY THE CONN. DEPT. OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 818 OR THE MOST CURRENT VERSION AS AMENDED, AND THE TOWN DRAINAGE STANDARDS SHALL BE APPLICABLE.

11. ALL EXCESS MATERIAL RESULTING FROM EXCAVATION AND CONSTRUCTION BECOMES PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE. NO MATERIAL SHALL BE PLACED BEYOND THE LIMITS OF CONSTRUCTION OR WITHIN WETLAND AREAS.

12. THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED DURING THE CONSTRUCTION OF THE PROJECT. IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN A WORKMANLIKE MANNER WITH THE STATED INTENTION TO MINIMIZE THE TIME TO COMPLETION AS WELL AS THE PREVENTION OF THE POLLUTION OF ANY INLAND WETLANDS, WATERCOURSES, WATER BODIES OR CONDUIT CARRYING SURFACE WATER. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND TO IMMEDIATELY PROVIDE PERMANENT AND/OR TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES OR WATER BODIES, AND TO FULLY MANAGE POSSIBLE EROSION CONDITIONS THROUGHOUT THE CONSTRUCTION LIMITS. NO CONSTRUCTION ACTIVITY SHALL COMMENCE UNTIL THE HEREIN STATED SOIL EROSION AND SEDIMENT CONTROL PLAN HAS BEEN CERTIFIED AND THOSE CONTROL MEASURES DEPICTED HEREIN HAVE BEEN FULLY INSTALLED AND ARE FUNCTIONAL.

13. CONTRACTOR IS RESPONSIBLE FOR ENGAGING THE PROPER UTILITY COMPANIES FOR RELOCATION AND/OR REMOVAL OF EQUIPMENT, NOT LIMITED TO UTILITY POLES, GUY WIRES, AND OVERHEAD WIRES.

14. NOTIFY LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO ANY ACTIVITY REQUIRING FIELD OBSERVATION

15. STOCKPILING OF BUILDING MATERIALS SHALL BE CONFINED WITHIN THE AREAS OF CONSTRUCTION DISTURBANCE. MATERIAL STOCKPILES SHALL BE MAINTAINED IN A SAFE AND WORKMANLIKE MANNER. TRASH CONTAINERS AND COLLECTION POINTS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL REFUSE IS TO BE REMOVED TO AN APPROPRIATE FACILITY.

16. VEHICULAR MOVEMENT SHALL BE LIMITED TO ESTABLISHED CONSTRUCTION ACCESS POINTS. UNNECESSARY ENCROACHMENT OF CONSTRUCTION EQUIPMENT OR OTHER VEHICLES SHALL NOT BE ALLOWED IN NON-CONSTRUCTION PORTIONS OF THE PROPERTY. VEHICULAR ACCESS TO AREAS OUTSIDE THE AREAS OF DISTURBANCE SHALL BE RESTRICTED TO THE MINIMUM NECESSARY TO PERFORM ESSENTIAL AND REQUIRED CONSTRUCTION ACTIVITIES.

17. ALL MATERIALS USED ON THE PROJECT SHALL BE IN CONFORMANCE TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION FORM 818 OR THE MOST CURRENT EDITION OR AS SPECIFIED.

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NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	B.K.
Drawn	A.B.
Reviewed	B.K. + A.F.
Scale	SEE PLAN
Project No.	2024007
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CAD File: SITE MATERIALS-2024007

Title
SITE MATERIALS PLAN

Sheet No.
L-01

Xref (s) : x:\2024007 - xb-2024007 - xc_CIVIL\2024007 - XR-Materials Legend

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RELOCATED STREET LIGHT, SEE CIVIL DRAWINGS, TYP.
RAISED CURB, SEE CIVIL DRAWINGS, TYP.
EXISTING VEHICULAR DIRECTIONAL SIGN
WEST MAIN STREET
ACCESSIBLE CURB RAMP, SEE CIVIL DRAWINGS
GRANITE CURB
WG
CL WALKWAY
13.90'
7.85'
EQ
5.81'
EQ
4.00'
84°
ALIGN
1.50'
25.14'
R18'
CP
CENTER POINT BENCH
N: 988,188.63
E: 803,178.87
R25'
IRON PIPE FOUND
EXISTING PATHWAY TO REMAIN, TYP.
CONC. WALL
9 VINE STREET
F.F.E.=230.55'
R5'-6"
TP
R7'-10"
R10'-2"
R516'-1"
RELOCATED EXISTING HISTORIC DISTRICT SIGNAGE
GRANITE CURB
5.00'
EQ
EQ
7.00'
VINE STREET
CL&P #7763
SPAIN POLE
BIT. CURB
CONC. CURB
'C' CB
TF= 228.46
4" C.I. INV.
12" C.I. INV
12" C.I. INV
'C-L' CB
TF= 228.50'
12" C.I. TOP HOOD= 223.20' (W)
SUMP= 221.20'
IRON PIPE FOUND
DMH
TF= 228.67'
12" CLAY INV= 220.67'(SE)
12" CLAY INV= 220.77'(S)
15" CLAY INV= 220.92'(N)
DMH
TF= 228.57'
12" CLAY INV= 222.22'(E)
12" CLAY INV= 222.07'(S)
12" CLAY INV= 222.07'(N)
PLANTING AREA
F.F.E.=230.56'
EXISTING PATHWAY TO REMAIN, TYP.
R3'
ALIGN
10.00'
102°
90°
7.00'
EQ
EQ
5.00'
F.F.E.=230.56'
170°
169°
MEET AND MATCH EXISTING SIDEWALK, TYP.
RAISED CURB, SEE CIVIL DRAWINGS, TYP.

LAYOUT LEGEND

℄	CENTERLINE	EQ	EQUAL
POB	POINT OF BEGINNING	TYP	TYPICAL
20'	DIMENSION	VIF	VERIFY IN FIELD
R=5'	RADIUS = 5'	FC	FACE OF CURB
	ALIGN	BC	BACK OF CURB
		CP	CENTER POINT
		TP	TANGENT POINT

LAYOUT

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD. REPORT ANY DISCREPANCIES OF THE DESIGN TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.
2. STAKE OR OTHERWISE FLAG ALL DESIGN ELEMENTS AND FEATURES IN THE FIELD. OBTAIN LANDSCAPE ARCHITECTS APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
3. ALL DIMENSIONS ARE FROM THE FACE OF WALL OR CURB UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO BUILDING ARE FROM FACE OF THE BUILDING FOUNDATION
4. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE STATED.
5. ANY CHANGES TO PROPOSED DIMENSIONS SHOWN ON THIS DRAWING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.
6. JUNCTIONS BETWEEN EXISTING AND PROPOSED WALKS AND WITH BUILDING THRESHOLDS MUST HAVE FLUSH TRANSITIONS AND MUST BE DOWELED (IF APPLICABLE) TO PREVENT SETTLING.

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NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

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Drawn	A.B.
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Scale	SEE PLAN
Project No.	2024007
Date	05/02/2025
CAD File:	SITE LAYOUT-2024007

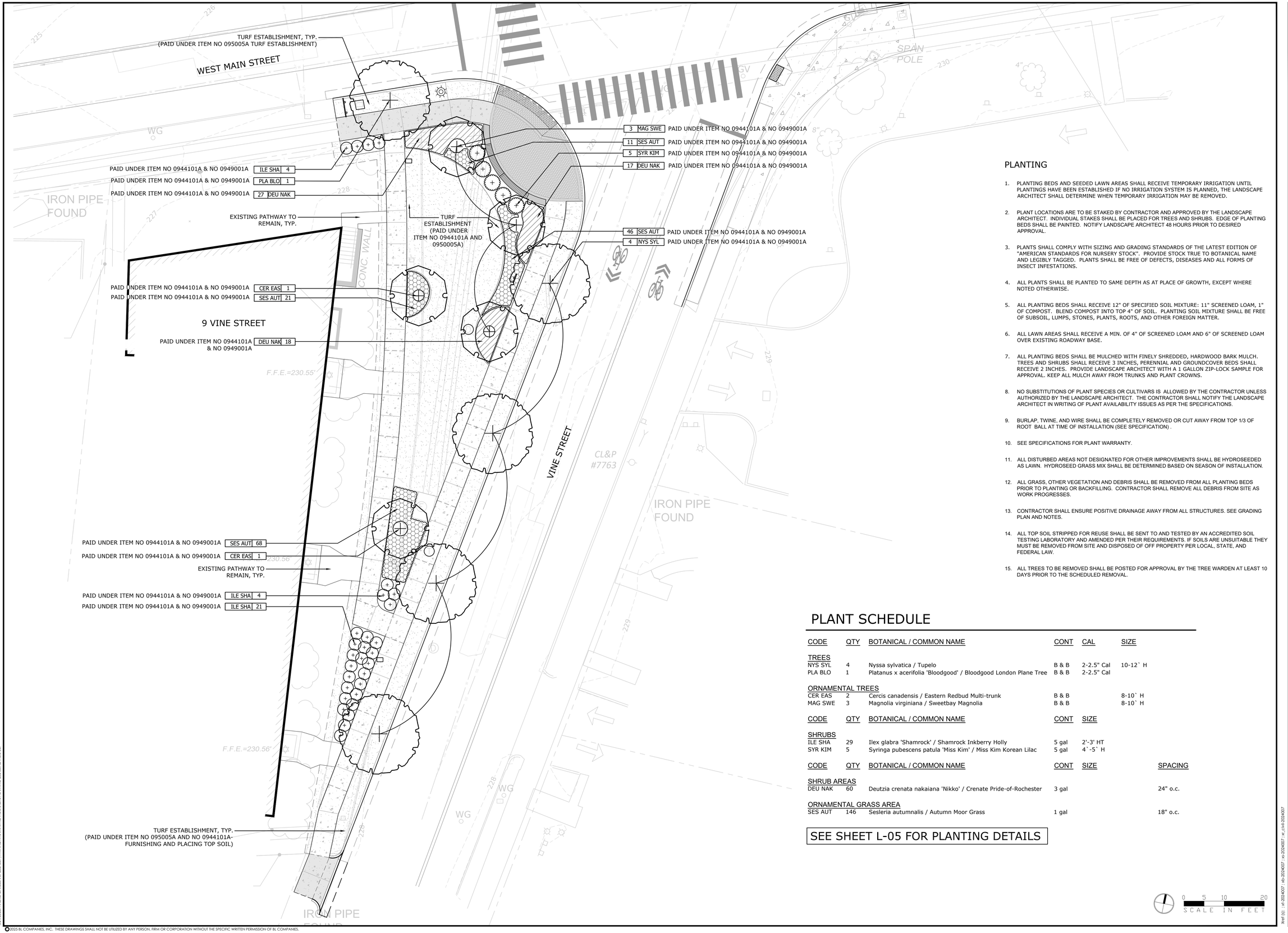
Title
SITE LAYOUT PLAN

Sheet No.
L-02

Xref (s) : x-2024007 - xb-2024007 - xr_civil-2024007 - XR-LA-LEG

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PLANTING

1. PLANTING BEDS AND SEEDED LAWN AREAS SHALL RECEIVE TEMPORARY IRRIGATION UNTIL PLANTINGS HAVE BEEN ESTABLISHED IF NO IRRIGATION SYSTEM IS PLANNED, THE LANDSCAPE ARCHITECT SHALL DETERMINE WHEN TEMPORARY IRRIGATION MAY BE REMOVED.
2. PLANT LOCATIONS ARE TO BE STAKED BY CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO DESIRED APPROVAL.
3. PLANTS SHALL COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF "AMERICAN STANDARDS FOR NURSERY STOCK". PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGIBLY TAGGED. PLANTS SHALL BE FREE OF DEFECTS, DISEASES AND ALL FORMS OF INSECT INFESTATIONS.
4. ALL PLANTS SHALL BE PLANTED TO SAME DEPTH AS AT PLACE OF GROWTH, EXCEPT WHERE NOTED OTHERWISE.
5. ALL PLANTING BEDS SHALL RECEIVE 12" OF SPECIFIED SOIL MIXTURE: 11" SCREENED LOAM, 1" OF COMPOST. BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING SOIL MIXTURE SHALL BE FREE OF SUBSOIL, LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
6. ALL LAWN AREAS SHALL RECEIVE A MIN. OF 4" OF SCREENED LOAM AND 6" OF SCREENED LOAM OVER EXISTING ROADWAY BASE.
7. ALL PLANTING BEDS SHALL BE MULCHED WITH FINELY SHREDDED, HARDWOOD BARK MULCH. TREES AND SHRUBS SHALL RECEIVE 3 INCHES, PERENNIAL AND GROUNDCOVER BEDS SHALL RECEIVE 2 INCHES. PROVIDE LANDSCAPE ARCHITECT WITH A 1 GALLON ZIP-LOCK SAMPLE FOR APPROVAL. KEEP ALL MULCH AWAY FROM TRUNKS AND PLANT CROWNS.
8. NO SUBSTITUTIONS OF PLANT SPECIES OR CULTIVARS IS ALLOWED BY THE CONTRACTOR UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF PLANT AVAILABILITY ISSUES AS PER THE SPECIFICATIONS.
9. BURLAP, TWINE, AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY FROM TOP 1/3 OF ROOT BALL AT TIME OF INSTALLATION (SEE SPECIFICATION) .
10. SEE SPECIFICATIONS FOR PLANT WARRANTY.
11. ALL DISTURBED AREAS NOT DESIGNATED FOR OTHER IMPROVEMENTS SHALL BE HYDROSEEDED AS LAWN. HYDROSEED GRASS MIX SHALL BE DETERMINED BASED ON SEASON OF INSTALLATION.
12. ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING BEDS PRIOR TO PLANTING OR BACKFILLING. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM SITE AS WORK PROGRESSES.
13. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES. SEE GRADING PLAN AND NOTES.
14. ALL TOP SOIL STRIPPED FOR REUSE SHALL BE SENT TO AND TESTED BY AN ACCREDITED SOIL TESTING LABORATORY AND AMENDED PER THEIR REQUIREMENTS. IF SOILS ARE UNSUITABLE THEY MUST BE REMOVED FROM SITE AND DISPOSED OF OFF PROPERTY PER LOCAL, STATE, AND FEDERAL LAW.
15. ALL TREES TO BE REMOVED SHALL BE POSTED FOR APPROVAL BY THE TREE WARDEN AT LEAST 10 DAYS PRIOR TO THE SCHEDULED REMOVAL.

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPACING
TREES						
NYS SYL	4	Nyssa sylvatica / Tupelo	B & B	2-2.5" Cal	10-12` H	
PLA BLO	1	Platanus x acerifolia 'Bloodgood' / Bloodgood London Plane Tree	B & B	2-2.5" Cal		
ORNAMENTAL TREES						
CER EAS	2	Cercis canadensis / Eastern Redbud Multi-trunk	B & B		8-10` H	
MAG SWE	3	Magnolia virginiana / Sweetbay Magnolia	B & B		8-10` H	
CODE	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**	**SIZE**		
SHRUBS						
ILE SHA	29	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	5 gal	2'-3' HT		
SYR KIM	5	Syringa pubescens patula 'Miss Kim' / Miss Kim Korean Lilac	5 gal	4`-5` H		
CODE	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**	**SIZE**		**SPACING**
SHRUB AREAS						
DEU NAK	60	Deutzia crenata nakaiana 'Nikko' / Crenate Pride-of-Rochester	3 gal			24" o.c.
ORNAMENTAL GRASS AREA						
SES AUT	146	Sesleria autumnalis / Autumn Moor Grass	1 gal			18" o.c.

SEE SHEET L-05 FOR PLANTING DETAILS

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NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

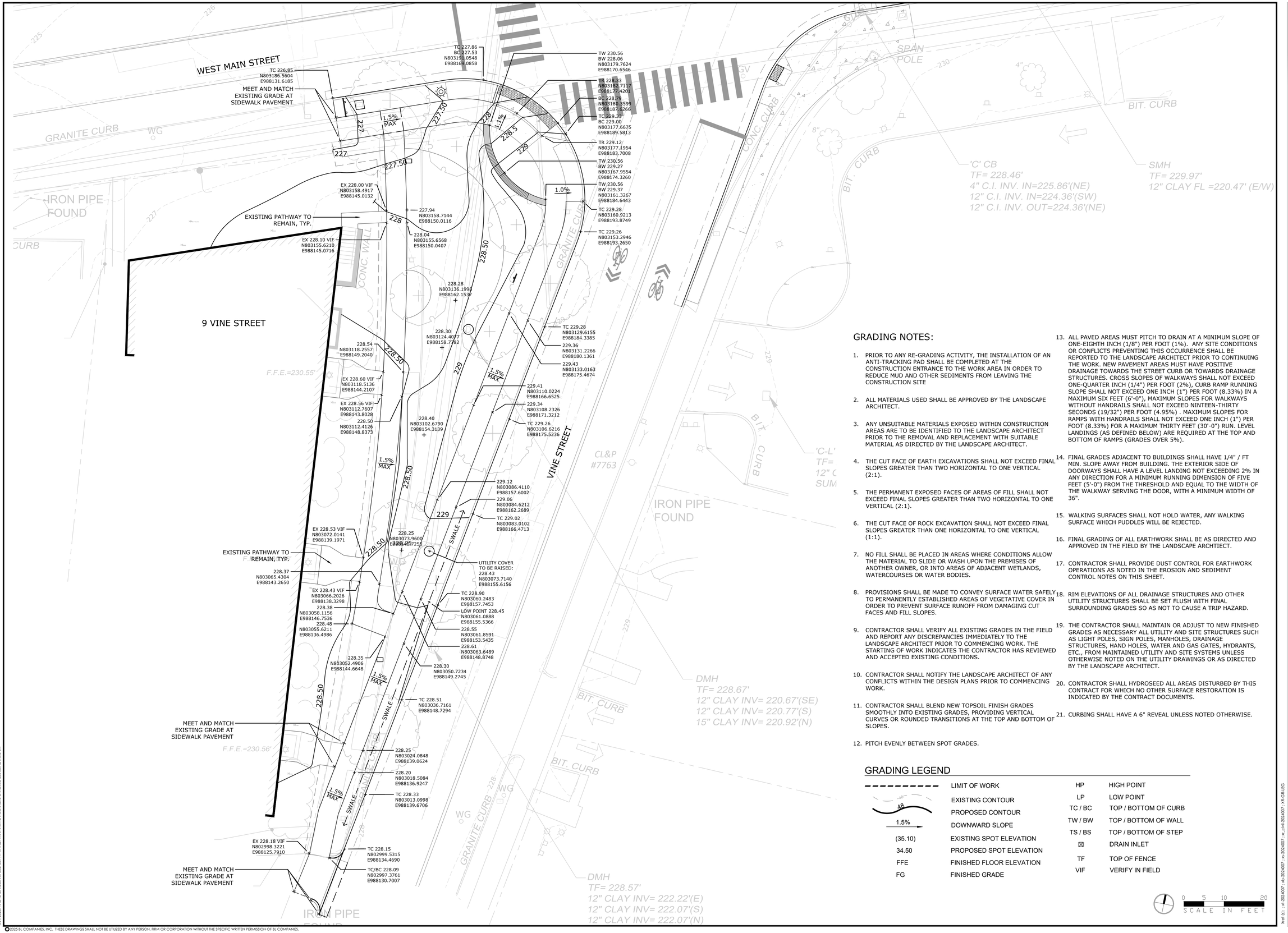
Designed B.K.
Drawn A.B.
Reviewed B.K. + A.F.
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Title
SITE PLANTING PLAN

Sheet No.
L-03

Xref Is: - xr-2024007 - xb-2024007 - xr_civil-2024007

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GRADING NOTES:

1. PRIOR TO ANY RE-GRADING ACTIVITY, THE INSTALLATION OF AN ANTI-TRACKING PAD SHALL BE COMPLETED AT THE CONSTRUCTION ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE
2. ALL MATERIALS USED SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
3. ANY UNSUITABLE MATERIALS EXPOSED WITHIN CONSTRUCTION AREAS ARE TO BE IDENTIFIED TO THE LANDSCAPE ARCHITECT PRIOR TO THE REMOVAL AND REPLACEMENT WITH SUITABLE MATERIAL AS DIRECTED BY THE LANDSCAPE ARCHITECT.
4. THE CUT FACE OF EARTH EXCAVATIONS SHALL NOT EXCEED FINAL SLOPES GREATER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
5. THE PERMANENT EXPOSED FACES OF AREAS OF FILL SHALL NOT EXCEED FINAL SLOPES GREATER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
6. THE CUT FACE OF ROCK EXCAVATION SHALL NOT EXCEED FINAL SLOPES GREATER THAN ONE HORIZONTAL TO ONE VERTICAL (1:1).
7. NO FILL SHALL BE PLACED IN AREAS WHERE CONDITIONS ALLOW THE MATERIAL TO SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER, OR INTO AREAS OF ADJACENT WETLANDS, WATERCOURSES OR WATER BODIES.
8. PROVISIONS SHALL BE MADE TO CONVEY SURFACE WATER SAFELY TO PERMANENTLY ESTABLISHED AREAS OF VEGETATIVE COVER IN ORDER TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
9. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK. THE STARTING OF WORK INDICATES THE CONTRACTOR HAS REVIEWED AND ACCEPTED EXISTING CONDITIONS.
10. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS WITHIN THE DESIGN PLANS PRIOR TO COMMENCING WORK.
11. CONTRACTOR SHALL BLEND NEW TOPSOIL FINISH GRADES SMOOTHLY INTO EXISTING GRADES, PROVIDING VERTICAL CURVES OR ROUNDED TRANSITIONS AT THE TOP AND BOTTOM OF SLOPES.
12. PITCH EVENLY BETWEEN SPOT GRADES.
13. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHTH INCH (1/8") PER FOOT (1%). ANY SITE CONDITIONS OR CONFLICTS PREVENTING THIS OCCURRENCE SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO CONTINUING THE WORK. NEW PAVEMENT AREAS MUST HAVE POSITIVE DRAINAGE TOWARDS THE STREET CURB OR TOWARDS DRAINAGE STRUCTURES. CROSS SLOPES OF WALKWAYS SHALL NOT EXCEED ONE-QUARTER INCH (1/4") PER FOOT (2%), CURB RAMP RUNNING SLOPE SHALL NOT EXCEED ONE INCH (1") PER FOOT (8.33%) IN A MAXIMUM SIX FEET (6'-0"), MAXIMUM SLOPES FOR WALKWAYS WITHOUT HANDRAILS SHALL NOT EXCEED NINTEEN-THIRTY SECONDS (19/32") PER FOOT (4.95%) . MAXIMUM SLOPES FOR RAMPS WITH HANDRAILS SHALL NOT EXCEED ONE INCH (1") PER FOOT (8.33%) FOR A MAXIMUM THIRTY FEET (30'-0") RUN. LEVEL LANDINGS (AS DEFINED BELOW) ARE REQUIRED AT THE TOP AND BOTTOM OF RAMPS (GRADES OVER 5%).
14. FINAL GRADES ADJACENT TO BUILDINGS SHALL HAVE 1/4" / FT MIN. SLOPE AWAY FROM BUILDING. THE EXTERIOR SIDE OF DOORWAYS SHALL HAVE A LEVEL LANDING NOT EXCEEDING 2% IN ANY DIRECTION FOR A MINIMUM RUNNING DIMENSION OF FIVE FEET (5'-0") FROM THE THRESHOLD AND EQUAL TO THE WIDTH OF THE WALKWAY SERVING THE DOOR, WITH A MINIMUM WIDTH OF 36".
15. WALKING SURFACES SHALL NOT HOLD WATER, ANY WALKING SURFACE WHICH PUDDLES WILL BE REJECTED.
16. FINAL GRADING OF ALL EARTHWORK SHALL BE AS DIRECTED AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHTIECT.
17. CONTRACTOR SHALL PROVIDE DUST CONTROL FOR EARTHWORK OPERATIONS AS NOTED IN THE EROSION AND SEDIMENT CONTROL NOTES ON THIS SHEET.
18. RIM ELEVATIONS OF ALL DRAINAGE STRUCTURES AND OTHER UTILITY STRUCTURES SHALL BE SET FLUSH WITH FINAL SURROUNDING GRADES SO AS NOT TO CAUSE A TRIP HAZARD.
19. THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISHED GRADES AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MANHOLES, DRAINAGE STRUCTURES, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON THE UTILITY DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
20. CONTRACTOR SHALL HYDROSEED ALL AREAS DISTURBED BY THIS CONTRACT FOR WHICH NO OTHER SURFACE RESTORATION IS INDICATED BY THE CONTRACT DOCUMENTS.
21. CURBING SHALL HAVE A 6" REVEAL UNLESS NOTED OTHERWISE.

GRADING LEGEND

	LIMIT OF WORK	HP	HIGH POINT
48	EXISTING CONTOUR	LP	LOW POINT
48	PROPOSED CONTOUR	TC / BC	TOP / BOTTOM OF CURB
1.5%	DOWNWARD SLOPE	TW / BW	TOP / BOTTOM OF WALL
(35.10)	EXISTING SPOT ELEVATION	TS / BS	TOP / BOTTOM OF STEP
34.50	PROPOSED SPOT ELEVATION	⊠	DRAIN INLET
FFE	FINISHED FLOOR ELEVATION	TF	TOP OF FENCE
FG	FINISHED GRADE	VIF	VERIFY IN FIELD

0 5 10 20
SCALE IN FEET

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WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

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Drawn	A.B.
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Date	05/02/2025
CAD File:	SITE GRADING-2024007

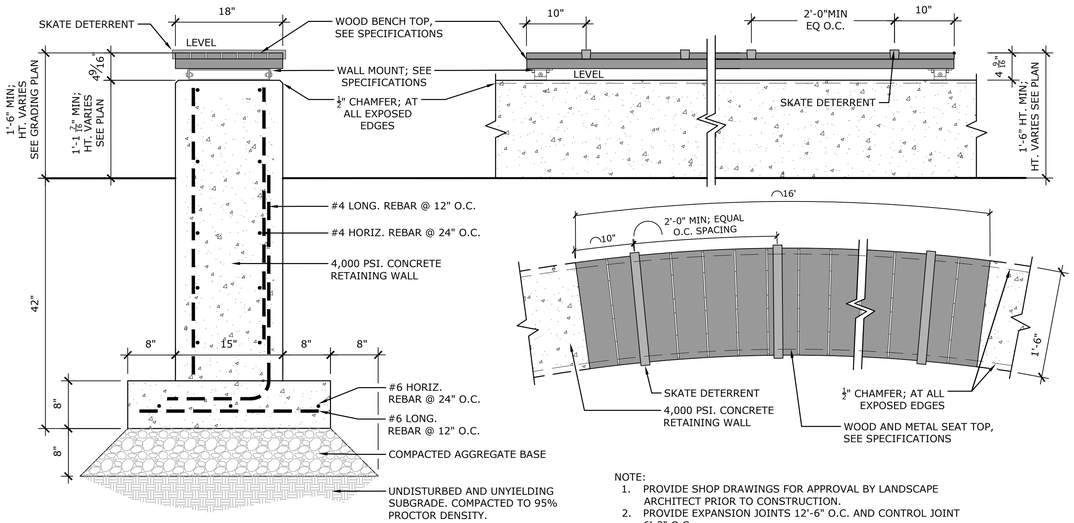
Title
SITE GRADING PLAN

Sheet No.
L-04

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Xref [1] : x1-2024007 : xb-2024007 : xc-2024007 : x_civil-2024007 : xr-GR-LEG

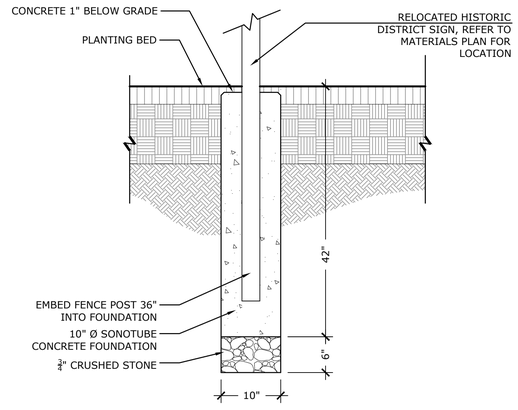
4/29/2025, ANDREA BARELLA, 1:20'-0.00", M:\WORK\PROJECTS\2024\2024007 WEST MAIN STREET\CIVIL\GRADING-2024007.DWG, L-04



NOTE:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
2. PROVIDE EXPANSION JOINTS 12'-6" O.C. AND CONTROL JOINT 6'-3" O.C.

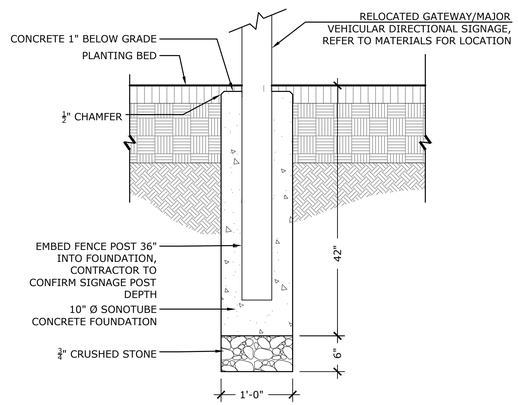
11 CONCRETE SEAT WALL WITH BENCH MOUNT

NTS P-2024-007-02



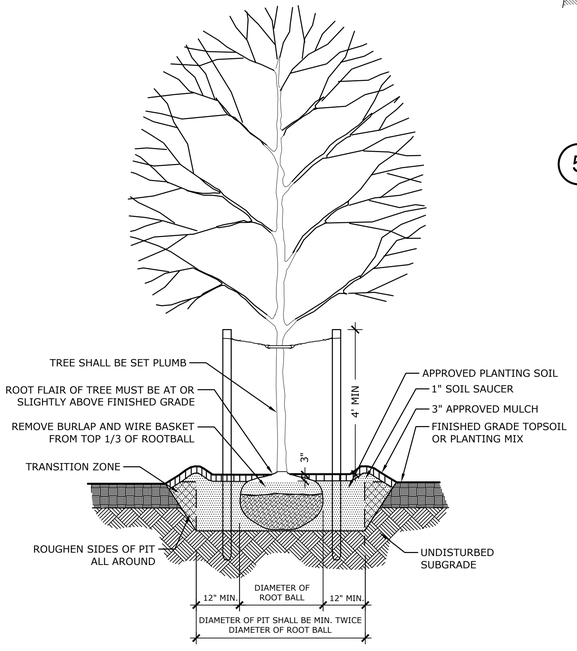
10 RELOCATED HISTORIC SIGNAGE

1" = 1'-0" P-2024-007-17



9 RELOCATED WELCOME TO NEW BRITAIN SIGNAGE

1" = 1'-0" P-2024-007-06

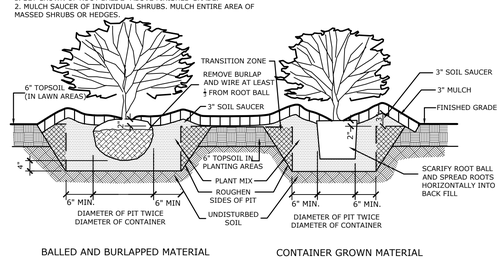


TREE STAKES:
THREE (3) 2" SQ. OAK STAKES SHALL BE TRIANGULATED AROUND ROOT BALL. EACH STAKE SHALL EXTEND 3' MIN. BELOW SURFACE AND 4' MIN. ABOVE. ALLOW TRUNK TO "FLOAT" WITHIN RUBBER COLLAR.

8 TREE PLANTING

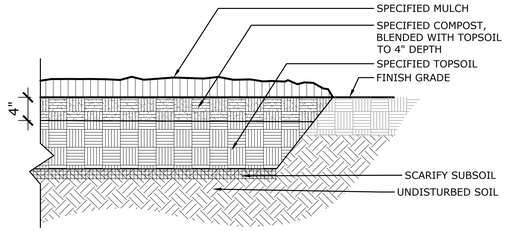
NTS P-2024-007-14

NOTES:
1. SET CROWN OF ROOT BALL 2" ABOVE FINISHED GRADE.
2. MULCH SAUCER OF INDIVIDUAL SHRUBS. MULCH ENTIRE AREA OF MASSED SHRUBS OR HEDGES.



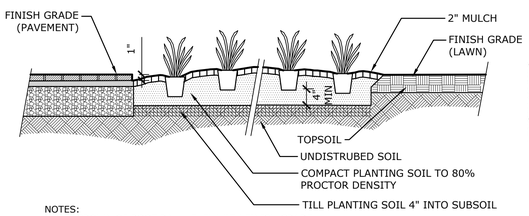
7 SHRUB PLANTING

NTS P-2024-007-26



6 PLANT BED PREPARATION

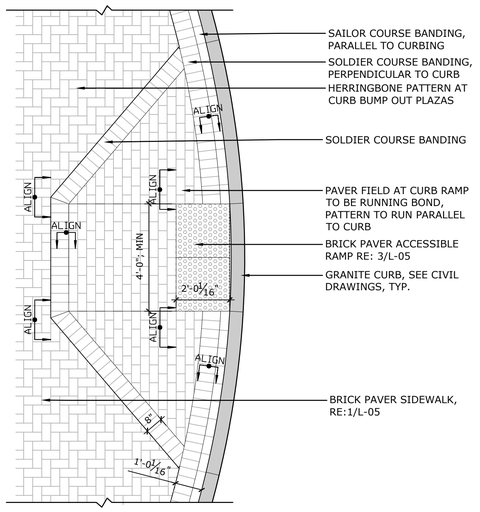
NTS P-2024-007-01



NOTES:
1. SET CROWN OF ROOT BALL LEVEL WITH FINISH GRADE.
2. MAINTAIN MINIMUM OF 4" PLANTING MIX BELOW EACH INDIVIDUAL PLANT.
3. MULCH ENTIRE AREA OF GROUNDCOVER, PERENNIALS OR ANNUALS.
4. MULCH CAREFULLY AROUND EACH PLANT; DO NOT COVER CROWNS OF PLANTS WITH MULCH.

5 CONTINUOUS PLANTING BED

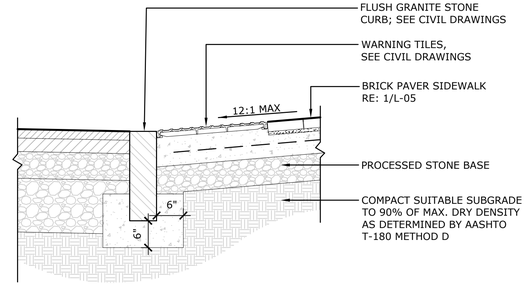
NTS P-2024-007-28



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 TYPES
4. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION

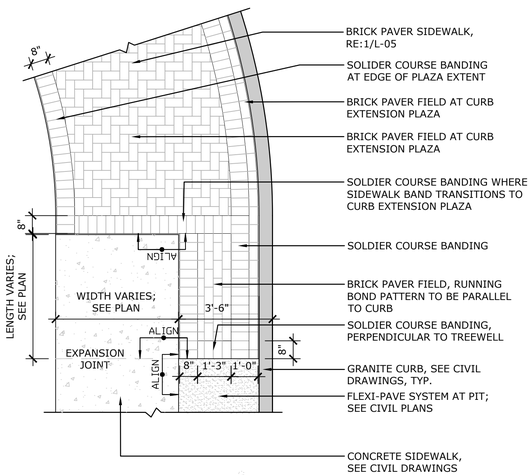
4 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP

3/8" = 1'-0" P-2024-007-20



3 BRICK PAVER ACCESSIBLE RAMP

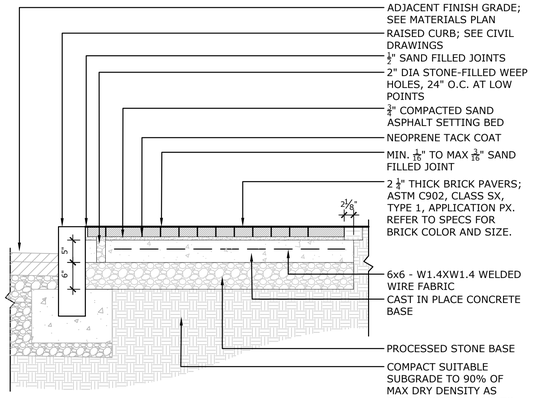
3/4" = 1'-0" P-2024-007-18



NOTE:
1. ALL PATTERNS TO BE INCLUDED IN COST OF BRICK PAVER SIDEWALK.
2. FIELD PATTERN TO BE APPROVED BY LANDSCAPE ARCHITECT
3. FULL PAVERS TO START AT EDGE CLOSEST TO STREET. CUT PAVER, WHEN REQUIRED, SHALL BE PLACED AT EDGE FURTHEST FROM STREET
4. ALL PAVERS TO BE 4" X 8" UNLESS OTHERWISE NOTED ON PLANS
5. ALUMINUM EDGE RESTRAINT TO BE INSTALLED IN AREAS WHERE TURF IS ESTABLISHED ADJACENT TO BRICK PAVERS.
6. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION

2 BRICK PAVING PATTERN AT SIDEWALK BAND

3/8" = 1'-0" P-2024-007-22



1 BRICK PAVER SIDEWALK

3/4" = 1'-0" P-2024-007-04

Architecture
Engineering
Environmental
Land Surveying
BL Companies
100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax
LANDSCAPE
KENT+FROST
ARCHITECTURE
1 HIGH STREET
MYSTIC, CT 06355
860.572.0784
kentfrost.com

WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	B.K.
Drawn	A.B.
Reviewed	B.K. + A.F.
Scale	SEE PLAN
Project No.	2024007
Date	05/02/2025
CAD File:	SITE DETAILS-2024007

Title
SITE AND PLANTING DETAILS

Sheet No.
L-05

Xref (s): - x2-2024007

4/29/2025, ANDREA.ABELLA, P:\2024\007 - WWW\CIVIL\WEST MAIN ST\CIVIL\SITE DETAILS-2024007.DWG, L-05,
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MOVEMENT DIAGRAM

	NTOR	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PHASE 9
			PRE-EMPTION 1		PRE-EMPTION 3		PRE-EMPTION 1		PRE-EMPTION 2	
			2		4,7		6		8	P P P 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	R R R
4	R		R R R		G Y R		R R R		R R R	R R R
6	R		R R R		R R R		G Y R		R R R	R R R
7	R		R R R		← G Y R		R R R		R R R	R R R
8	R		R R R		R R R		R R R		G Y R	R R R
P	OFF		◄			← DW			►	WØ ← DW
			← YIELD PT.				← YIELD PT.			
MIN			15 3 1		5 3 1		15 3 1		5 3 1	4 7 4 0
MAX			60 5 3		30 5 3		60 5 3		30 5 3	7 30 4 0
										WØ DW
MIN GRN			20		9		20		9	
WALK										7 (2)
PED CLR										15 (1)
VEH EXT			3		2		2		3	
MAX 1			30		15		30		15	
MAX 2			40		20		40		20	
YELLOW			3.2		3.1		3.2		3.2	4
RED			2.7		2.8		2.7		3.2	0
ADD INIT										
MAX INIT										
TBR										
TTR										
MIN GAP										
MODE		OFF	MIN RECALL	OFF	NON-LOCK	OFF	MIN RECALL	OFF	NON-LOCK	NON-LOCK
INT START			THIS PHASE				THIS PHASE			

INTERVALS

ACCESSIBLE PEDESTRIAN SIGNAL

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY	REV # TIR # SM # N/A SIGNAL REVISED:
(1) COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	INSTALLED NEW SIDEWALKS, RAMPS, AND APS SIGNAL EQUIPMENT FOR NEW EXCLUSIVE PEDESTRIAN PHASE. REVISED TIMINGS
(2) PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.	AND VIDEO DETECTION VIA ENCROACHMENT PERMIT.

DETECTORS

I.D.	SIZE (WXL)	TYPE	MODE
D2	8' X 40'	VIDEO 360	PRESENCE
D4	8' X 40'	VIDEO 360	PRESENCE
D6	8' X 40'	VIDEO 360	PRESENCE
D8	8' X 40'	VIDEO 360	PRESENCE

SYSTEM LOC — MASTER

COORDINATION TYPE: CENTRAL SYSTEM

PROGRAM FUNCTION	PROGRAM TIME	PROGRAM DAYS	CYCLE	OFFSET SEC	OFFSET %
FLASH	NONE				
PATTERN 1	0700 - 2000	M-F	90	0	0
PATTERN 2	0900 - 2200	SA-SU	90	5	6
MAX 1	ALL OTHER TIMES	DAILY			
MAX 2	FUTURE				

SIGN LEGEND

(A) REPLACE EXISTING MAST ARM MOUNTED 31-0816 Z (NO TURN ON RED) WITH TYPE XI SHEETING

(B) INSTALL POST MOUNTED 31-1119 Z (DO NOT ENTER) WITH TYPE IX SHEETING

(C) INSTALL POST MOUNTED 31-1177 Z (ONE WAY) WITH TYPE IX SHEETING

(D) INSTALL POST MOUNTED 31-1188 Z (ONE WAY) WITH TYPE IX SHEETING

(E) INSTALL POST MOUNTED 31-1604 Z ( ) WITH TYPE IX SHEETING

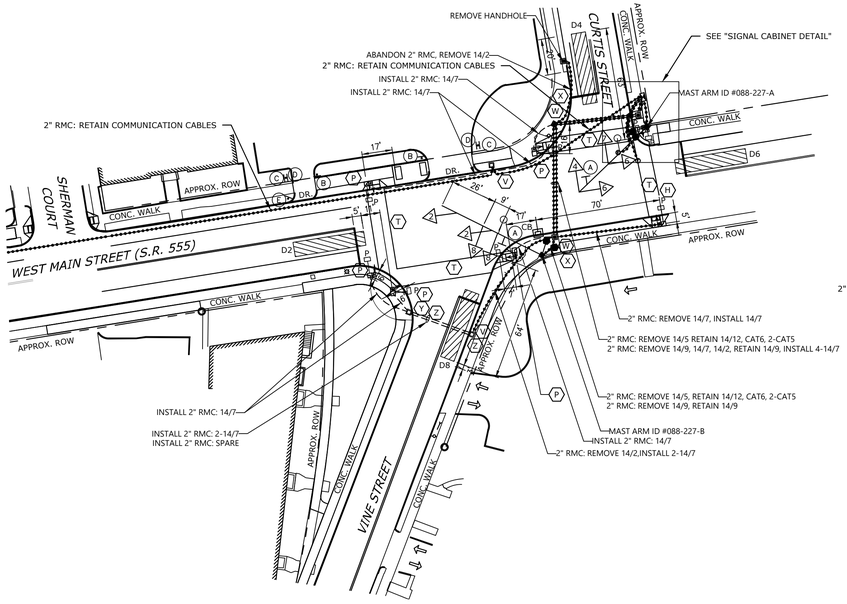
NOTES

SEE SEPARATE PLAN FOR PAVEMENT MARKINGS AND ADDITIONAL SIGNAGE.

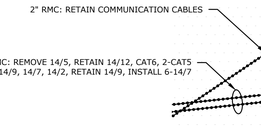
CITY TO MAINTAIN PAVEMENT MARKINGS AND SIGNING ON CURTIS AND VINE STREETS AND SHERMAN COURT.

CITY TO MAINTAIN ALL THERMOPLASTIC CROSSWALKS AND ALL NO PARKING SIGNS ON S.R. 555 (WEST MAIN STREET).

STATE TO MAINTAIN ALL OTHER PAVEMENT MARKINGS ON S.R. 555 (WEST MAIN STREET).

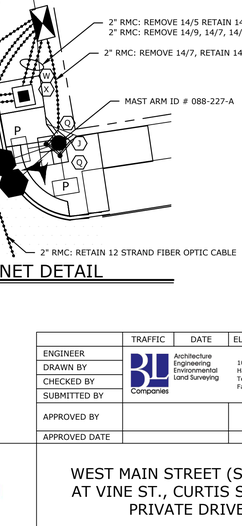


SIGNAL FACES



ALL SIGNAL INDICATIONS TO HAVE LED LAMPS.
ALL SIGNAL INDICATIONS HAVE TUNNEL VISORS.

SIGNAL PHASING DIAGRAM



CONSTRUCTION NOTES

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE:
- * STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION,
- * SUPPLEMENTAL SPECIFICATION TO THE STANDARD SPECIFICATION,
- * SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS,
- * STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.
- * CITY OF NEW BRITAIN STANDARDS

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING, EXCEPT AS NOTED.

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

ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF NEW BRITAIN.

THE LOCATION OF TRAFFIC SIGNAL EQUIPMENT WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH NOT LESS THAN 4 FEET. IF A MINIMUM OF 4 FEET FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE CITY OF NEW BRITAIN

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.

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

CLEAN EXISTING CONDUITS TO BE REUSED. WORK TO BE PAID FOR UNDER ITEM NO. 1018908 - CLEAN EXISTING CONDUIT.

CLEAN EXISTING HANDHOLES TO BE REUSED. WORK TO BE PAID FOR UNDER ITEM NO. 1010060 - CLEAN EXISTING HANDHOLE.

(H) INSTALL NEW 8' PEDESTAL, APB PUSH BUTTON, AND PEDESTRIAN SIGNAL ON EXISTING FOUNDATION

(J) INSTALL TOGGLE BOLT TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE MAST ARM WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

(K) REMOVE MICROWAVE DETECTOR FROM MAST ARM #088-227-B.

(L) REMOVE EXISTING FACE #4 (FOR DRIVEWAY APPROACH). CONVERT FROM 3-WAY SIGNAL HEAD TO 1-WAY SIGNAL HEAD. WORK TO BE PAID UNDER 1118012A - REMOVAL AND RELOCATION OF TRAFFIC SIGNAL EQUIPMENT.

(M) RELOCATE EXISTING SIGNAL FACE #3 (NEW FACE #8) (VINE STREET, NORTHBOUND) TO LOCATIONS SHOWN. INSTALL NEW MOUNTING BRACKETS. WORK TO BE PAID FOR UNDER ITEM #1118012A - REMOVAL AND OR RELOCATE TRAFFIC SIGNAL EQUIPMENT.

(N) REMOVE EXISTING FACE #7 (FOR SIDESTREET GREEN). INSTALL NEW MOUNTING BRACKETS. CONVERT FROM 3-WAY SIGNAL HEAD TO 2-WAY SIGNAL HEAD. WORK TO BE PAID UNDER 1118012A - REMOVAL AND RELOCATION OF TRAFFIC SIGNAL EQUIPMENT.

(P) INSTALL NEW 8' PEDESTAL, APS PUSHBUTTON, AND PEDESTRIAN SIGNAL ON NEW FOUNDATION ADJACENT TO LANDING AREA.

(Q) INSTALL TWO APS PUSHBUTTON AND TWO PEDESTRIAN SIGNAL ON MAST ARM ASSEMBLY AS SHOWN.

(V) REMOVE EXISTING HANDHOLE, INSTALL NEW 30"X'30 CONCRETE HANDHOLE, REDIRECT EXISTING CONDUIT INTO NEW HANDHOLE.

(W) EXISTING 30"X30" CONCRETE HANDHOLE

(X) EXISTING CAST IRON HANDHOLE COVER

(Y) INSTALL 30" X 30" CONCRETE HANDHOLE

(Z) INSTALL CAST IRON HANDHOLE COVER

REVISE DETECTION AREAS AS SHOWN ON THE PLANS. WORK TO BE PAID UNDER ITEM NO. 1108163A - MODIFY EXISTING CONTROLLER.

RELOCATE AND ADD NEW MOUNTING HARDWARE.

MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 1 PAPER COPY AND 1 PDF ON A USB DRIVE OF REVISED CABINET WIRING DIAGRAMS. WORK TO BE PAID UNDER ITEM NO. 1108163A - MODIFY EXISTING CONTROLLER.

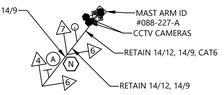
COORDINATE THIS REVISION WITH CITY OF NEW BRITAIN AT LEAST 45 DAYS PRIOR TO REVISION.

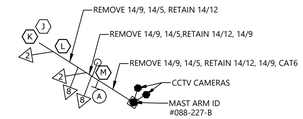
SEE HIGHWAY PLANS FOR PROPOSED REVISIONS TO PAVEMENT MARKINGS AND SIGNS AND SIDEWALK RAMPS.

CLEAN AND PAINT EXISTING TRAFFIC APPURTENANCES BLACK PER SPECIAL PROVISIONS. SEE ITEM 0603494A - CLEANING AND FIELD PAINTING OF TRAFFIC APPURTANCES FOR MORE INFORMATION.

SIGNAL CABINET DETAIL

N.T.S.





MAST ARM ELECTRICAL DETAILS

N.T.S.

MAST ARM INFORMATION

I.D.	SHAFT LENGTH LENGTH	SHAFT LENGTH B.C.	ARM LENGTH	LOAD CASE WEIGHT (LB)	LOAD CASE AREA (SF)
A	23.0'	20.0"	50'	404.7	39.8
B	23.0'	22.0"	60'	449.6	39.8

CITY SIGNAL

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

BL Companies — Architecture, Engineering, Environmental, Land Surveying
100 Constitution Plaza, Hartford, CT 06103, Tel: (860) 249-2200, Fax: (860) 249-2400

INTERSECTION # 088-227

ENERGY BY - CITY | METER # - N/A
MAINT LEVEL - CITY | SERVICE - MH 244
UNMETERED 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)
TERMINATION CABINET
AUXILIARY TERMINATION CABINET
VIDEO DETECTION ZONE

EXISTING LIGHT POLE
PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
AUDIO DETECTOR
OPTICAL DETECTOR
360° CAMERA ASSEMBLY
CAT 6 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 : Jul 29, 2025 TTCS240073001-01.dwg

CITY OF NEW BRITAIN

WEST MAIN STREET (S.R. 555)
AT VINE ST., CURTIS ST., AND
PRIVATE DRIVE

SCALE 1" = 40'

TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

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

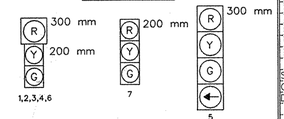
MOVEMENT DIAGRAM

NTOR		FLASH	PHASE 1 GRN	PHASE 1 CL	PHASE 1 CL	PHASE 2 GRN	PHASE 2 CL	PHASE 2 CL	PHASE 3 GRN	PHASE 3 CL	PHASE 3 CL	PHASE 4 GRN	PHASE 4 CL	PHASE 4 CL	PHASE 5 GRN	PHASE 5 CL	PHASE 5 CL	PHASE 6 GRN	PHASE 6 CL	PHASE 6 CL	PHASE 7 GRN	PHASE 7 CL	PHASE 7 CL	PHASE 8 GRN	PHASE 8 CL	PHASE 8 CL
FACE #	1	R				R	R	R				R	R	R				G	Y	R				R	R	R
	2	R				G	Y	R				R	R	R				R	R	R				R	R	R
	3	R				R	R	R				R	R	R				R	R	R				G	Y	R
	4	R				R	R	R				R	R	R				R	R	R				G (1)	Y (1)	R
	5	R				R	R	R				← G	Y	R				R	R	R				R	R	R
	6	R				R	R	R				G	Y	R				R	R	R				R	R	R
	7	R				R	R	R				G	Y	R				R	R	R				R	R	R
						← YIELD PT.												← YIELD PT.								
	MIN.					15	3	1				5	3	1				15	3	1				5	3	1
	MAX.					45	5	3				20	5	3				45	5	3				20	5	3
INTERVALS	MIN GRN					15						5						15						5		
	WALK																									
	PED CLR																									
	VEH EXT					2						2						2						2		
	MAX 1					30						12						30						12		
	MAX 2					30						12						30						12		
	YELLOW						3.4						3.3						3.4						3.3	
	RED							5.0						2.6						5.0						2.4
	ADD INI																									
	MAX INT																									
	TBR																									
	TTR																									
	MIN GAP																									
	MODE		OFF			MIN RECALL			OFF			NON-LOCK			OFF			MIN RECALL			OFF			NON-LOCK		
	INI START		THIS PHASE									THIS PHASE														

ENERGY BY- CITY | METER # -
MAINT 24hr ☐ Norm ☒ | SERVICE - M.H. :224

UNMETERED SERVICE

SIGNAL FACES



ALL CIRCULAR RED INDICATIONS TO HAVE LED LAMPS.

(FUTURE) PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3	PRE-EMPT 4
PRIORITY	NO	NO	NO	NO
DET. LOCK	YES	YES	YES	YES
DELAY	0	0	0	0
ALT. MIN. GRN	5	5	5	5
ALT. YELLOW	NO	NO	NO	NO
ALT. RED	NO	NO	NO	NO
ALT. PED. CLR.	0	0	0	0
HOLD GREEN	15	15	15	15
HOLD YELLOW	3.4	3.3	3.4	3.3
HOLD RED	5.0	2.6	5.0	2.4
HOLD PHASE	2	4	6	8
EXIT PHASE	2.6	8	2.6	2.6
EXIT CALL	ALL	ALL	ALL	ALL

INTERSECTION # 088-227

OFFICE RECORD

REVISION #

STC # 088-9510-03 SM # N/A
SIGNAL REVISED
INSTALLED NEW EQUIPMENT UNDER PROJ. 88-141.
SIGNAL OWNERSHIP TRANSFERED FROM STATE TO CITY.
INCLUDED IN CLOSED LOOP SYSTEM.

SIGNAL REVISED:
CONTROLLER UPGRADED, TIMINGS REVISED, AND VIDEO DETECTION EQUIPMENT INSTALLED UNDER SPN 88-192

TECHNICAL NOTES
STANDARD OVERLAP SKIP FEATURES APPLY
ARTERY PHASE DETECTORS TO BE NON-ACTUATING DURING COORDINATION.
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.
PHASE SPLITS SHOWN REPRESENT PRELIMINARY COORDINATION DATA.
(1) TO BE R DURING PRE-EMPTION 4.

CONSTRUCTION NOTES :

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING, EXCEPT AS NOTED BELOW:

- INSTALL NEW CONTROLLER UNIT IN EXISTING CABINET AND IMPLEMENT SIGNAL PHASING AND TIMING SETTINGS SHOWN ON THE PLAN. REFER TO SPECIAL PROVISION FOR ITEM #1108165A – REPLACE CONTROLLER IN EXISTING CABINET.
- INSTALL NEW ETHERNET SWITCH IN EXISTING CABINET. REFER TO SPECIAL PROVISION FOR ITEM #1108660A – ETHERNET SWITCH.
- INSTALL NEW VIDEO DETECTION PROCESSOR IN EXISTING CABINET AND NEW 360 DEGREE VIDEO DETECTION CAMERA AT LOCATION TO BE DETERMINED BY MANUFACTURER REPRESENTATIVE, AS APPROVED BY THE ENGINEER. INSTALL CAT 6 CAMERA CABLE CONTINUOUSLY BETWEEN THE CAMERA AND EXISTING CONTROLLER CABINET. SETUP VIDEO DETECTION ZONES D1, D2, D3, D3A, D4, AND D5 AS SHOWN ON THE PLAN. VIDEO DETECTION ZONES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE VIDEO DETECTION MANUFACTURER OR DESIGNATED REPRESENTATIVE.

ALL OTHER INFORMATION SHOWN ON THE PLAN IS BASED ON RECORD PLANS PROVIDED BY THE CITY AND IS INCLUDED FOR INFORMATION ONLY.

DETECTORS

IDENT	SIZE (WXL)	TYPE	MODE
D1	8' X 40'	VIDEO 360	PRESENCE
D2	8' X 40'	VIDEO 360	PRESENCE
D3	8' X 40'	VIDEO 360	PRESENCE
D3A	8' X 40'	VIDEO 360	PRESENCE
D4	6' X 40'	VIDEO 360	PRESENCE
D5	6' X 20'	VIDEO 360	PRESENCE

SYSTEM LOC: MASTER

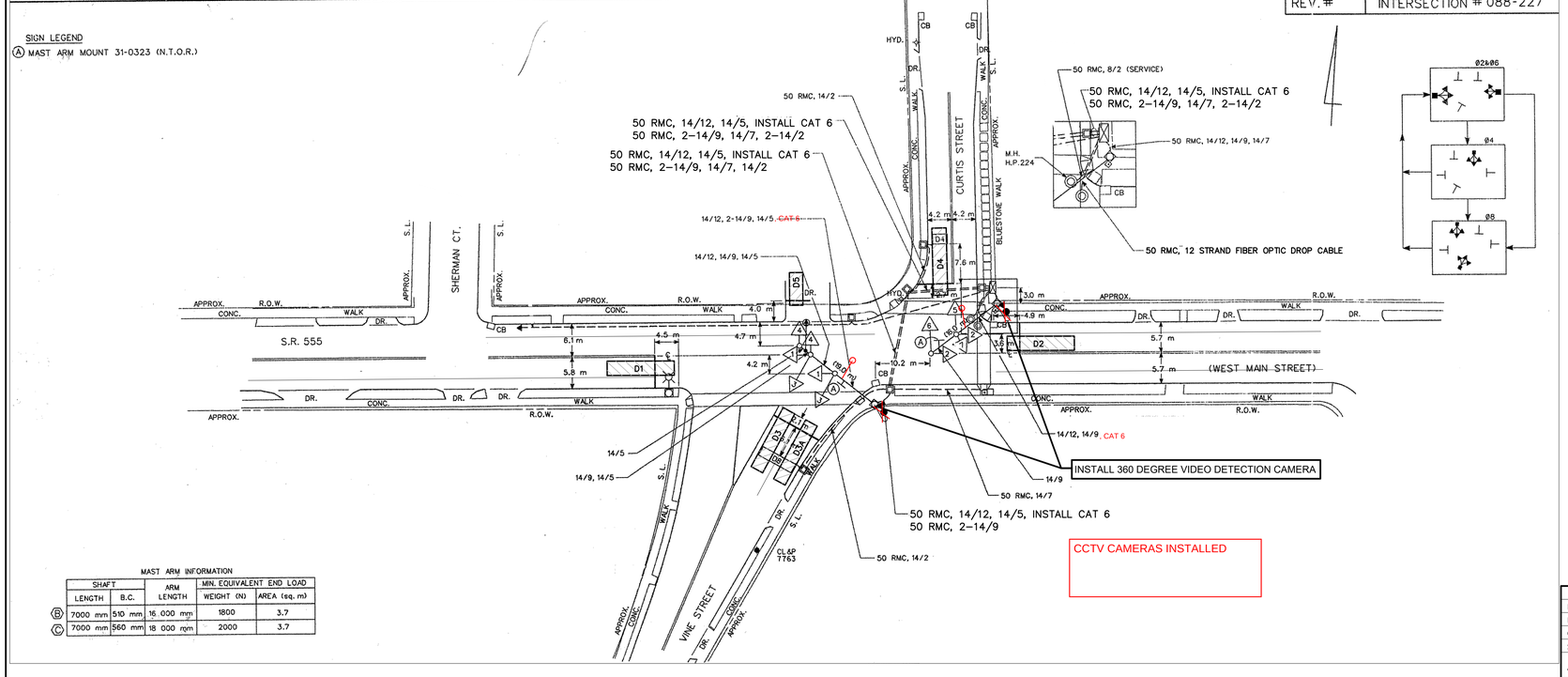
COORDINATION TYPE: CENTRAL SYSTEM

FUNCTION	PROGRAM TIME	PROGRAM DAYS	CYCLE	OFFSET SEC	OFFSET %
FLASH	NONE				
PATTERN 1	0700 – 1100 0900 – 2200	M–F SA–SU	70	40	57
PATTERN 3	1100–2000	M–F	70	68	97
MAX 1	ALL OTHER TIMES	DAILY			
MAX 2	FUTURE				

PHASE SPLITS SEC / %	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9
	37	53	19	27	37	53	14	20	
	40	57	17	24	40	57	13	19	

PERMIS PERIOD: ø SEC

REV. # | INTERSECTION # 088-227



MAST ARM INFORMATION

	SHAFT LENGTH	SHAFT B.C.	ARM LENGTH	MIN. EQUIVALENT END LOAD WEIGHT (N)	MIN. EQUIVALENT END LOAD AREA (sq. m)
Ⓑ	7000 mm	510 mm	16 000 mm	1800	3.7
Ⓒ	7000 mm	560 mm	18 000 mm	2000	3.7

FOR INFORMATION ONLY

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 # 088-227

ENERGY BY - CITY | METER # - N/A
MAINT LEVEL - CITY | SERVICE - MH 224
UNMETERED 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

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

✳ EXISTING LIGHT POLE
⊠ PROPOSED CONTROLLER
⊠ EXISTING CONTROLLER
LOOP DETECTOR
AUDIO DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
CAT 6 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 : Jan 15, 2020 TCS-4627400-EQP UPG.dwg

CITY OF NEW BRITAIN

WEST MAIN STREET (S.R. 555)
AT VINE ST., CURTIS ST., AND PRIVATE DRIVE

SCALE 1:500 METRIC

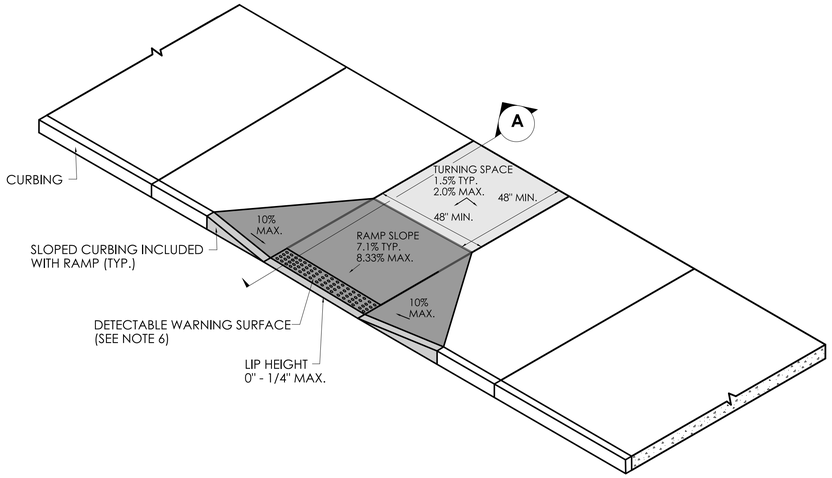
TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

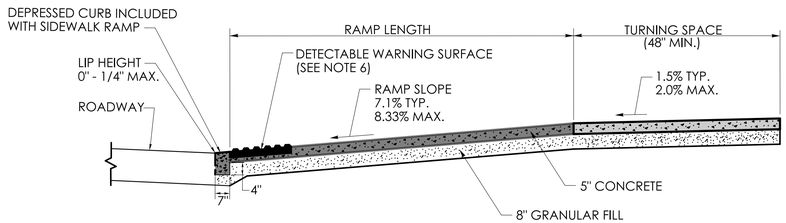
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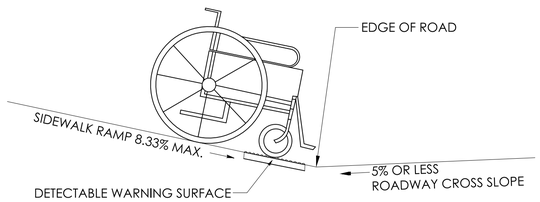
SHEET NO. 22 of 52



PERPENDICULAR SIDEWALK RAMP AND SECTION



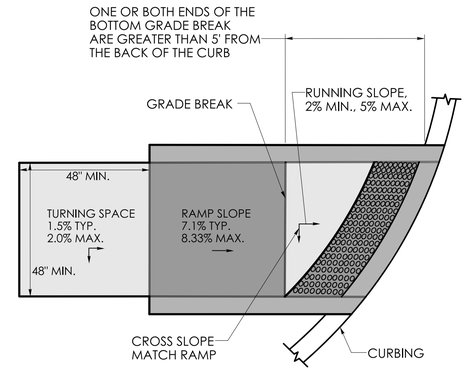
SECTION A



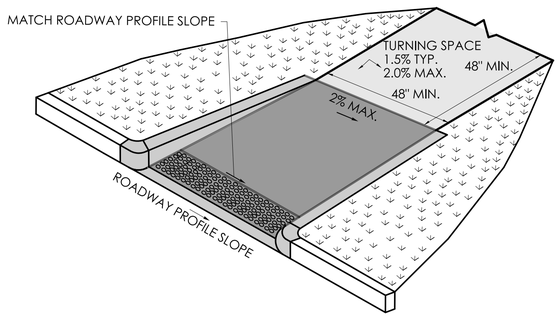
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE

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.

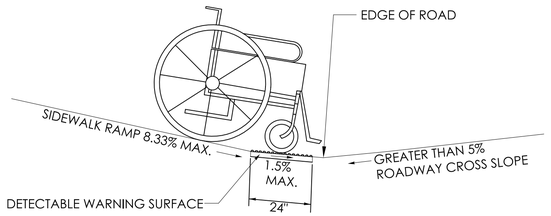


GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION

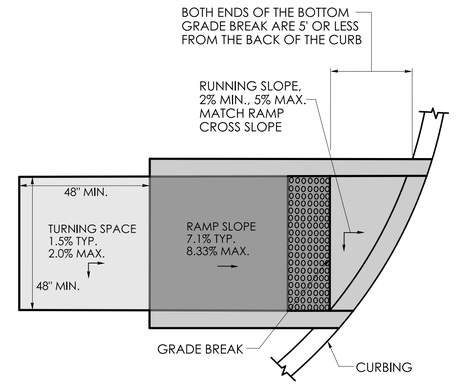


RAMP WARPING DETAIL

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 GREATER THAN 5% GUTTER COUNTER SLOPE



GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

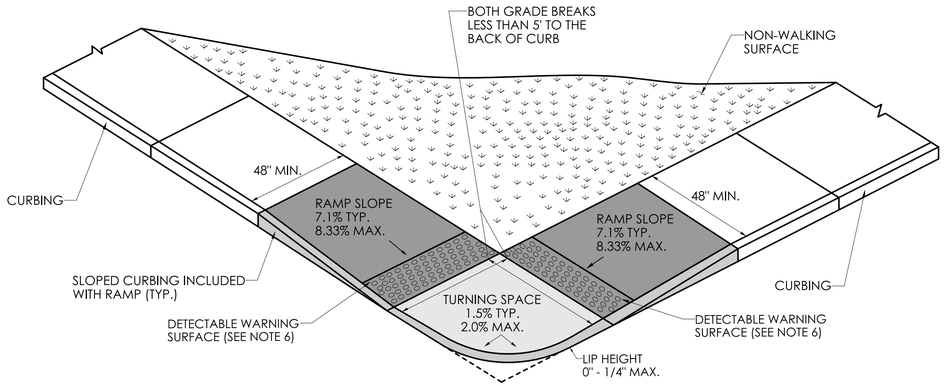
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 1 OF 11

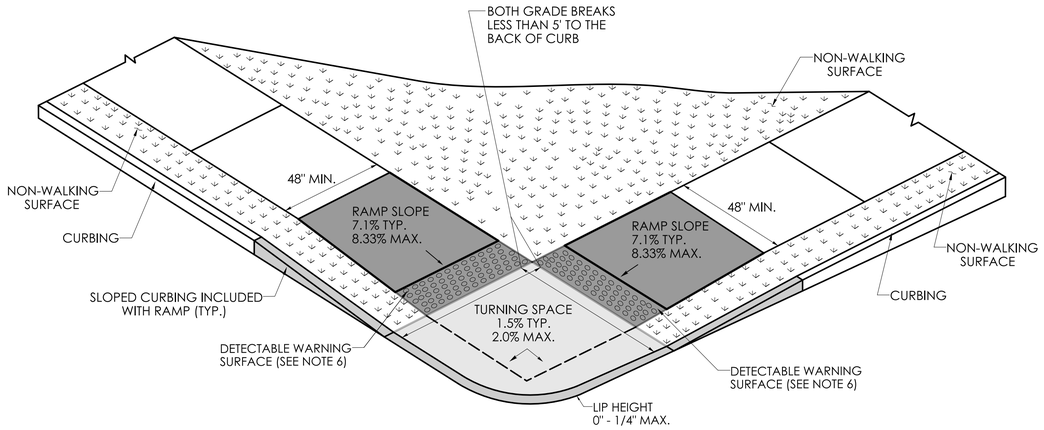
DRAWING NO.

SHEET NO.

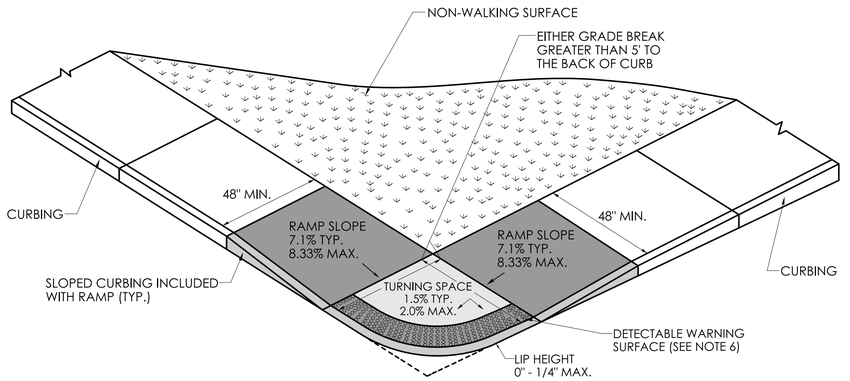
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PLOTTED DATE: 1/12/2024



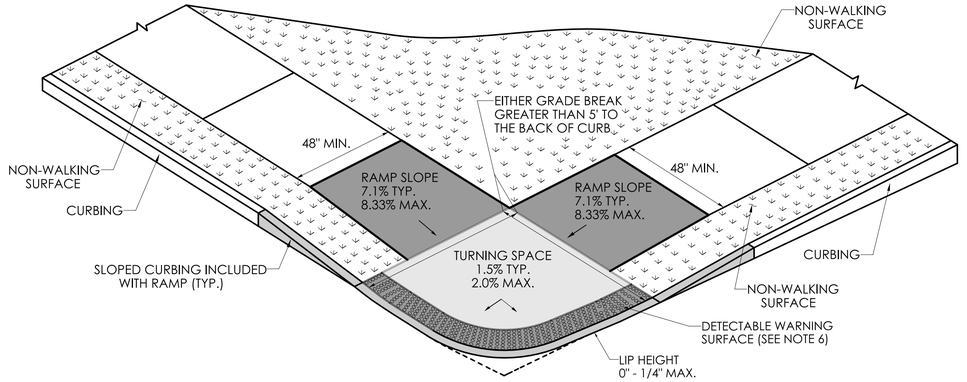
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)



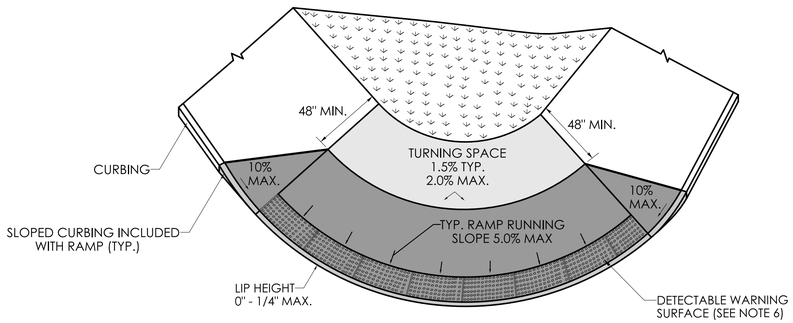
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)



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



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)

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 $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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.

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

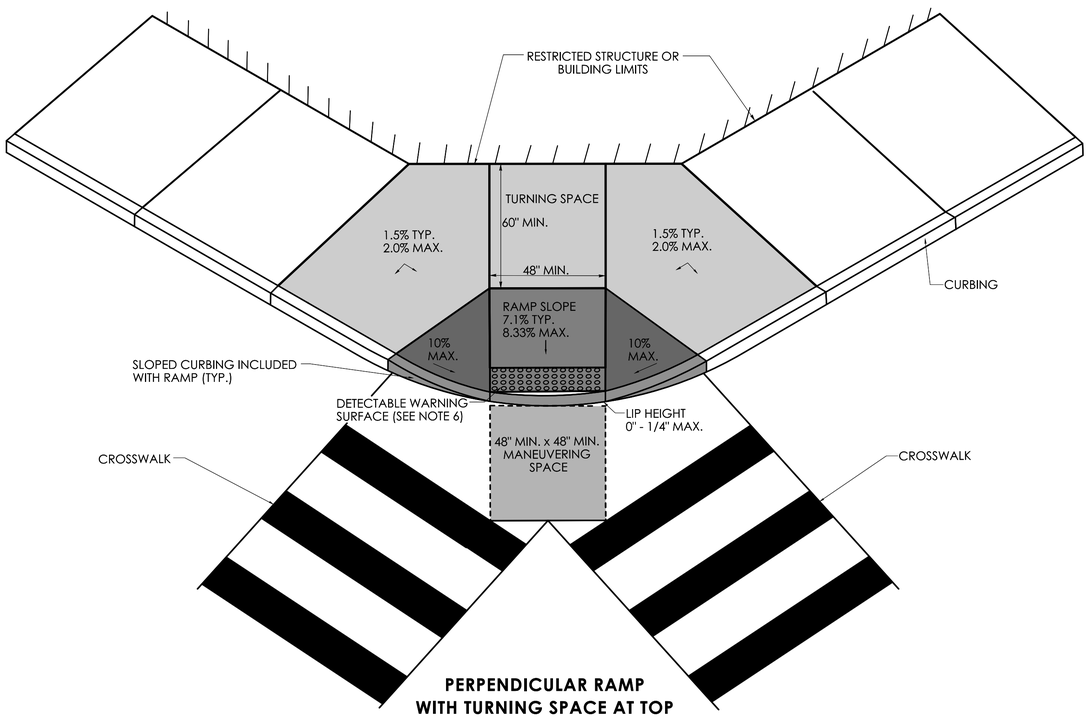
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 2 OF 11

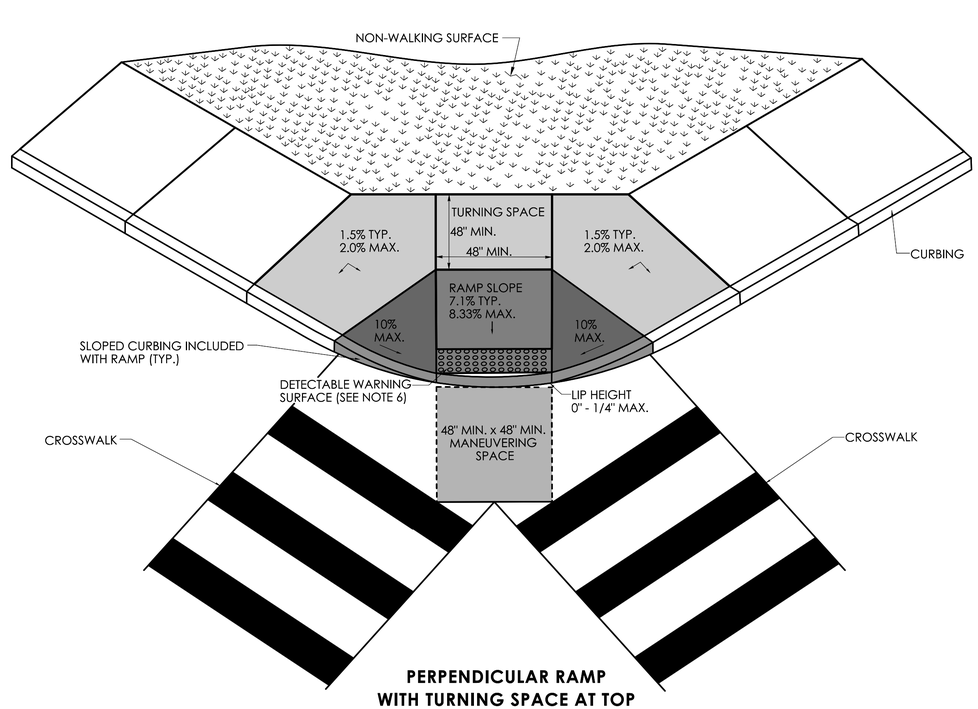
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SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 6)



PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 7)

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 $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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.

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 3 OF 11

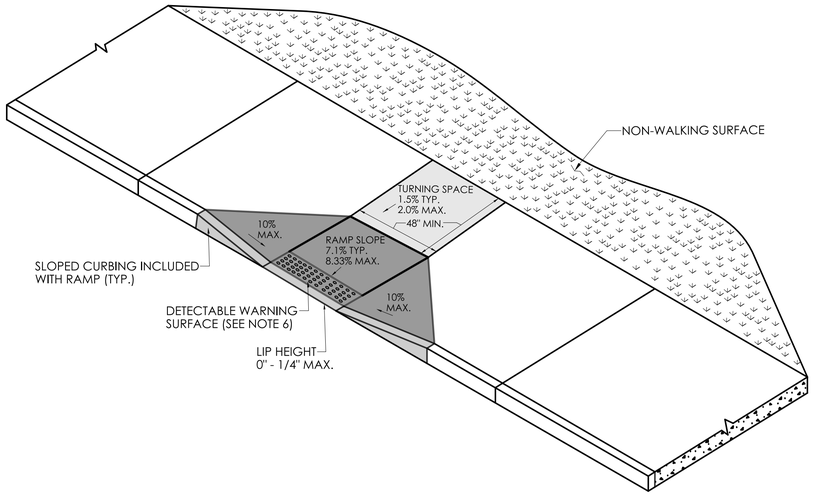
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SHEET NO.

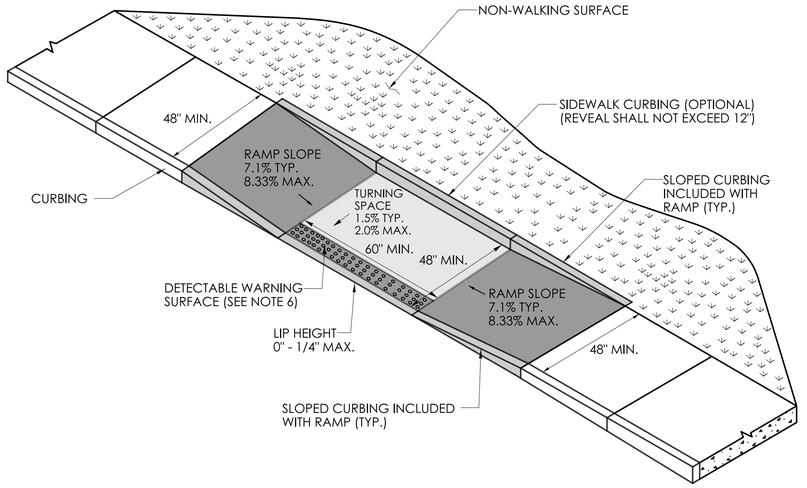
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PLOTTED DATE: 1/12/2024

GENERAL NOTES:

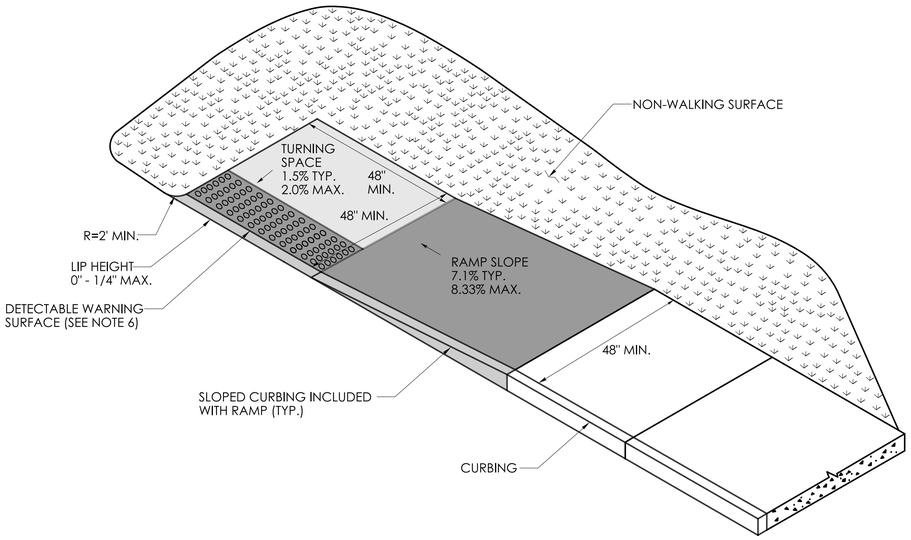
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE 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.



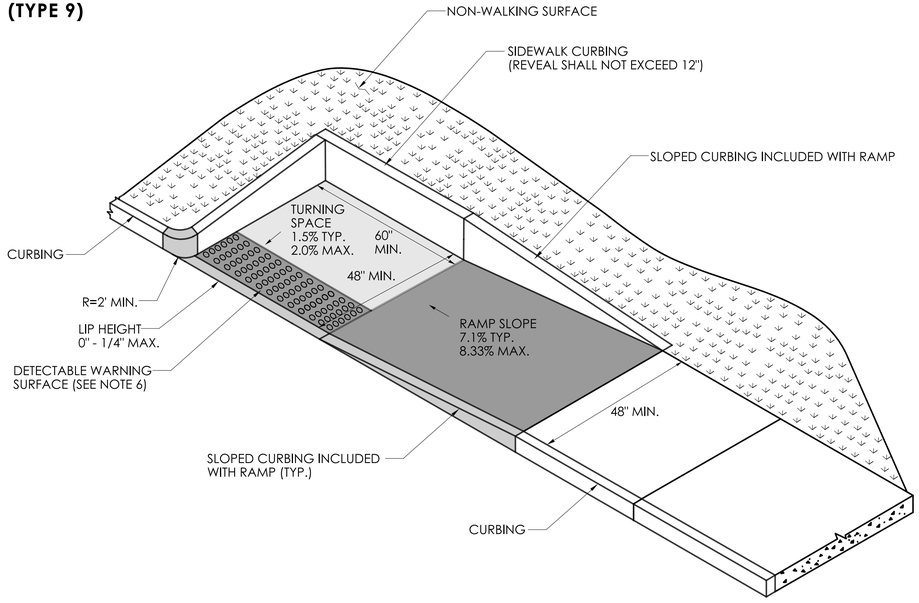
PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)



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	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 4 OF 11

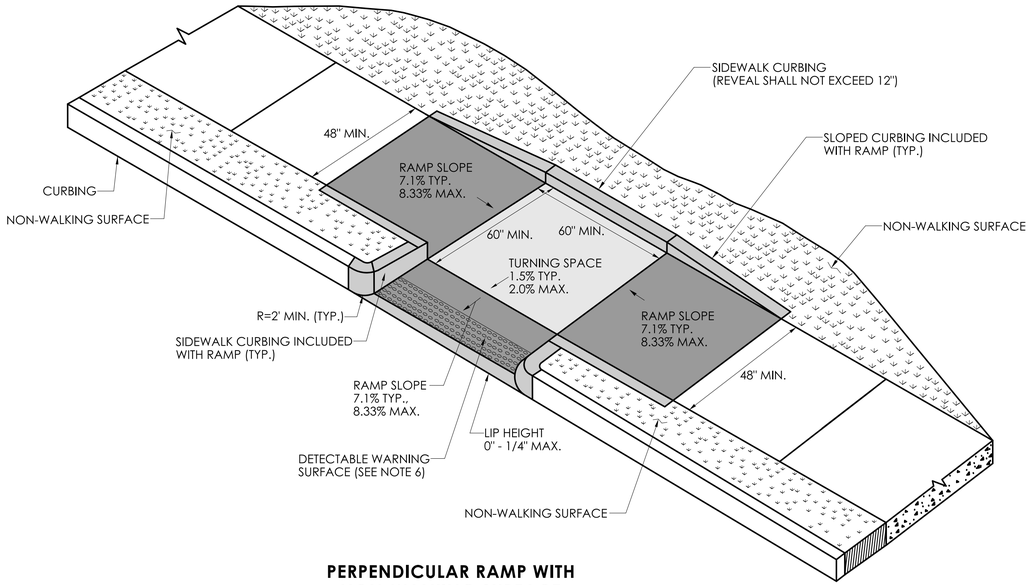
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SHEET NO.

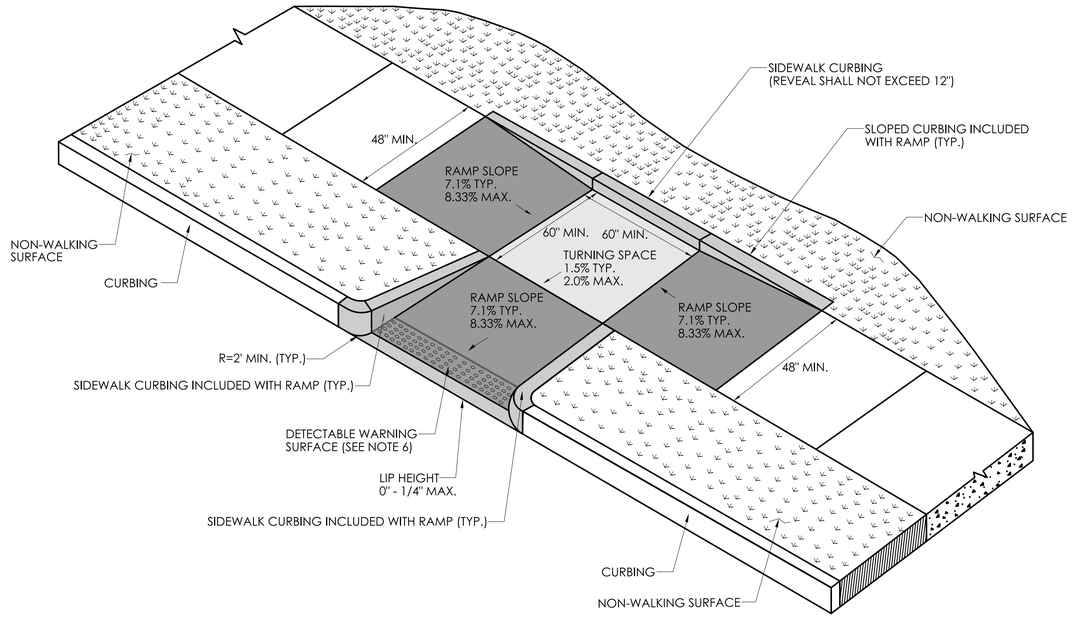
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PLOTTED DATE: 10/25/2024

GENERAL NOTES:

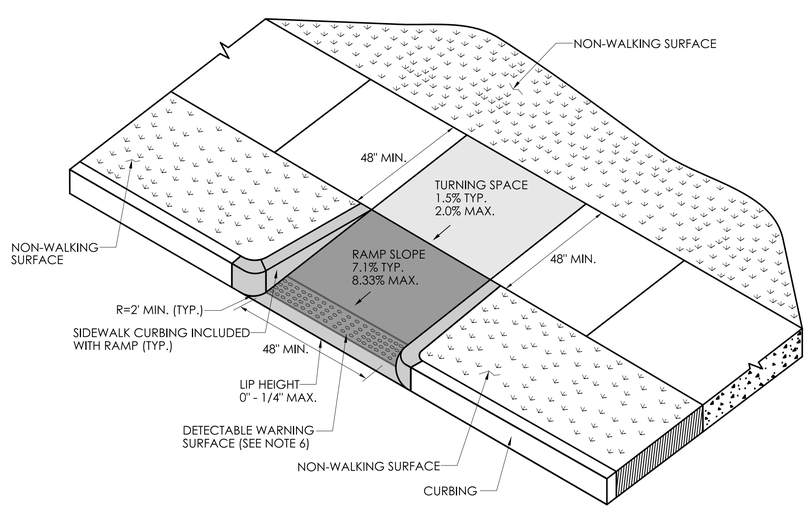
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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.



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 11)



PERPENDICULAR RAMP WITH SIDEWALK CURB AND NON-WALKING SURFACE (TYPE 12)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 13)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 5 OF 11

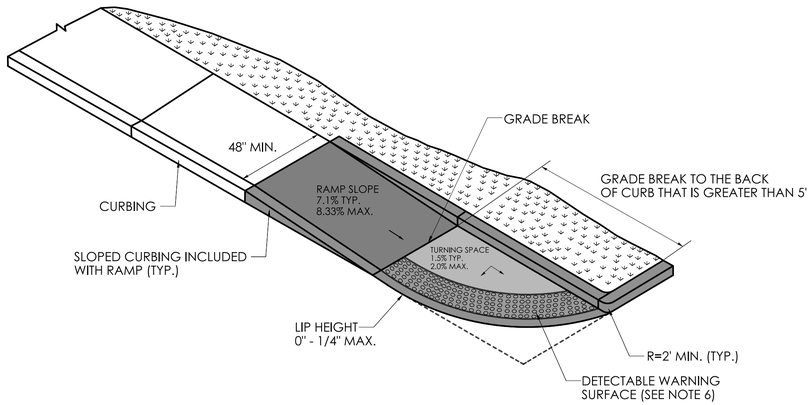
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SHEET NO.

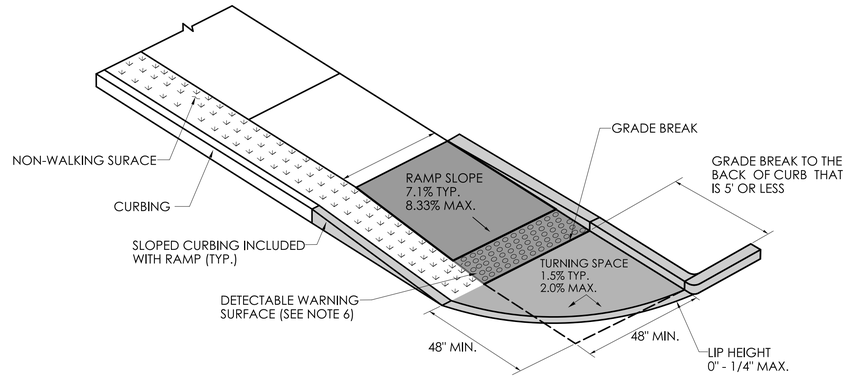
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PLOTTED DATE: 1/12/2024

GENERAL NOTES:

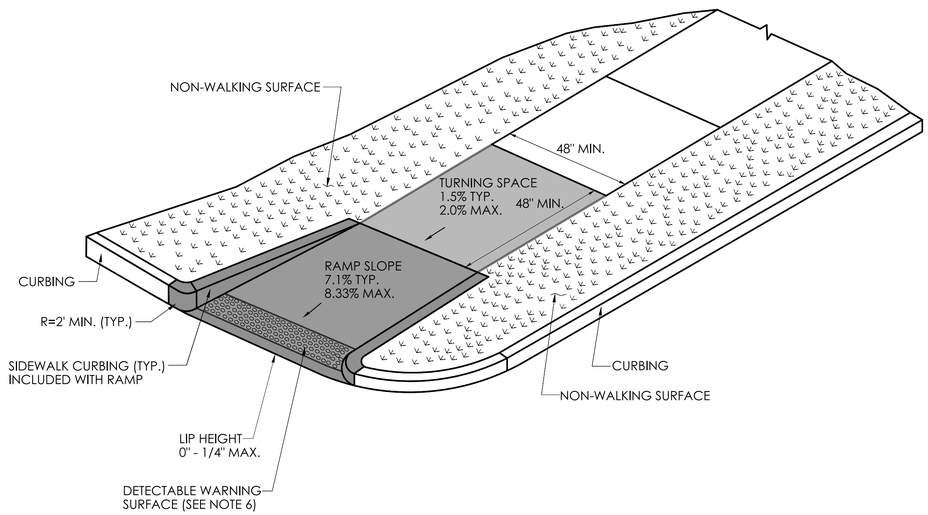
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE 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 GUIDELNES. 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-2019-07.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



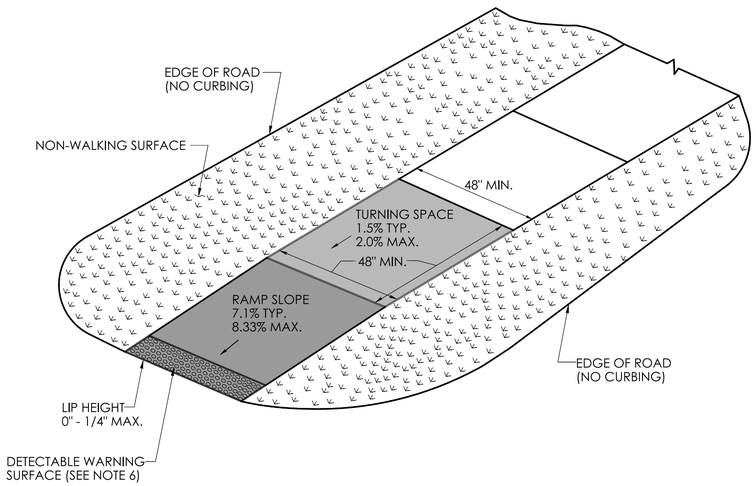
SINGLE DIRECTION PERPENDICULAR RAMP
GRADE BREAK TO THE BACK OF CURB
GREATER THAN 5'
(TYPE 14)



SINGLE DIRECTION PERPENDICULAR RAMP
WITH GRADE BREAK TO THE BACK
OF CURB THAT IS 5' OR LESS
(TYPE 15)



SINGLE DIRECTION PERPENDICULAR RAMP
RETURN CURB WITH NON-WALKING SURFACE
(TYPE 16)



SINGLE DIRECTION PERPENDICULAR RAMP
NO CURB WITH NON-WALKING SURFACE
(TYPE 17)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

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2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

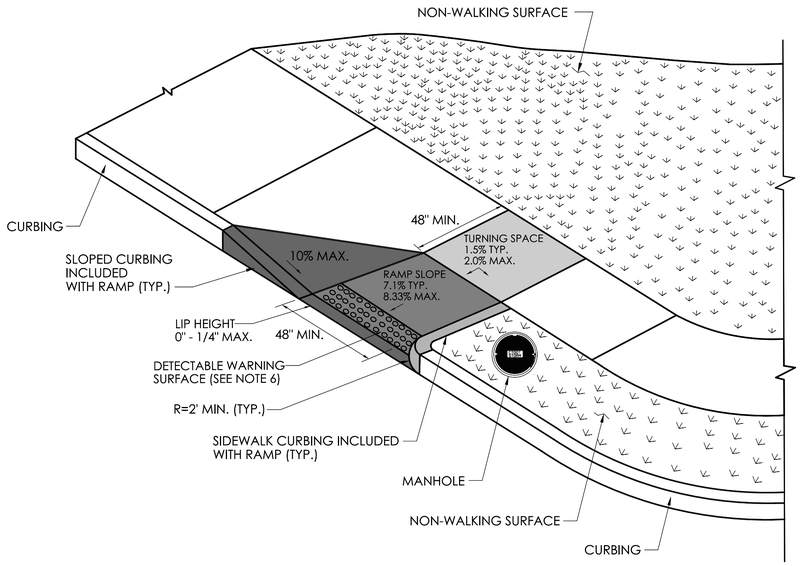
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

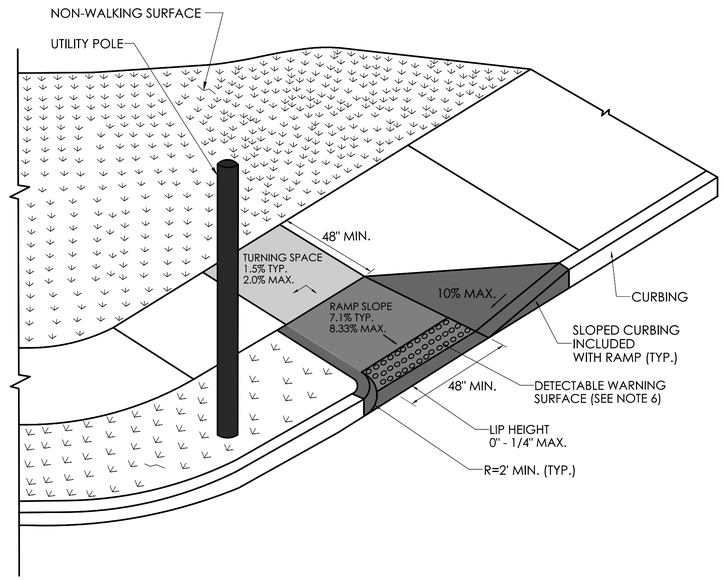
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 6 OF 11

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



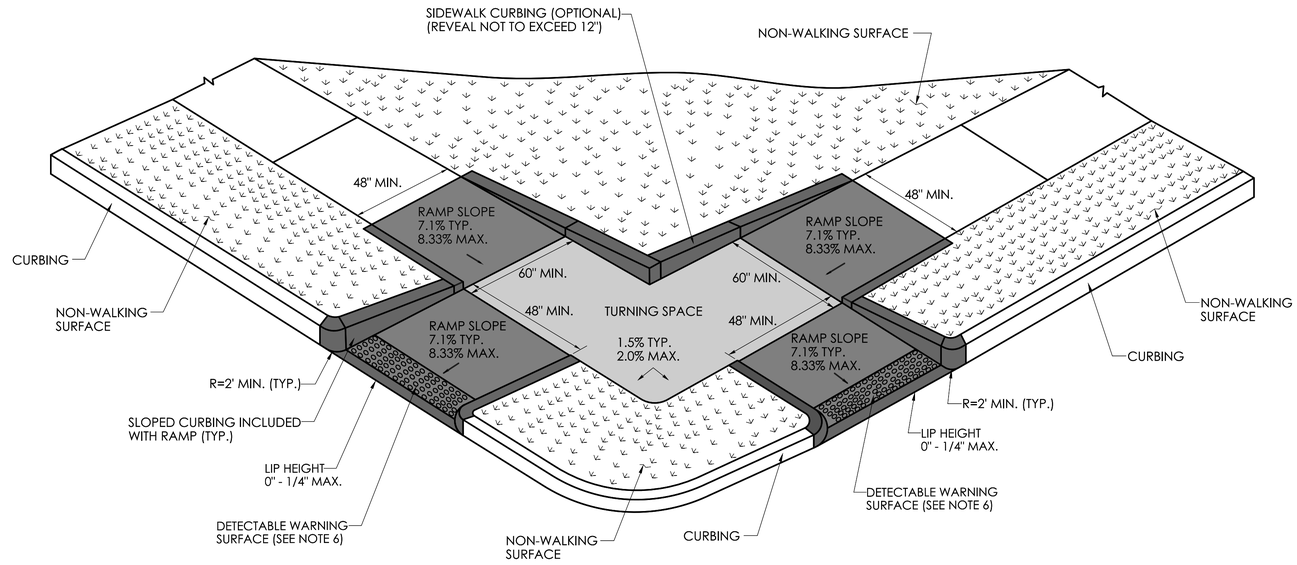
PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 LEFT)



PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 RIGHT)

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.



PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 19)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 7 OF 11

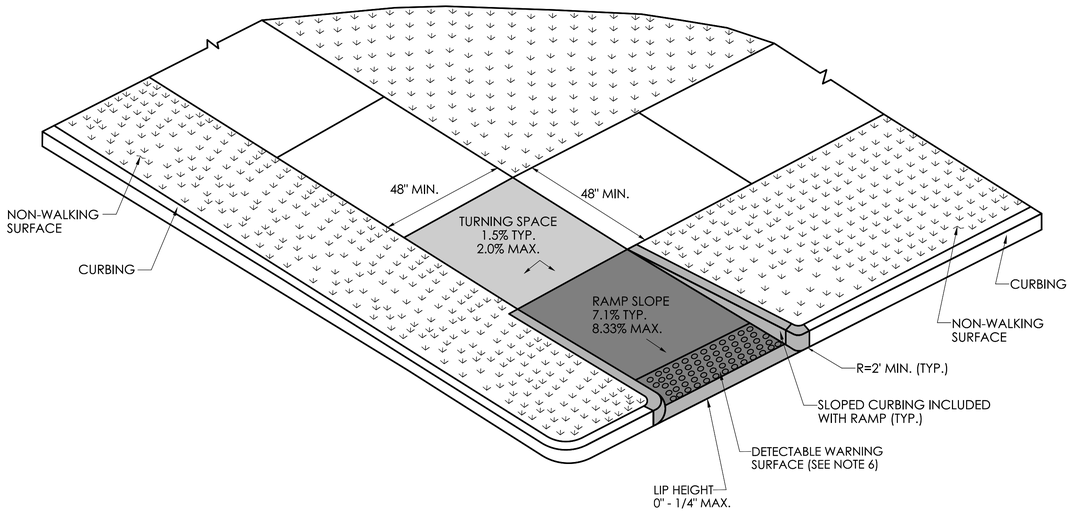
DRAWING NO.

SHEET NO.

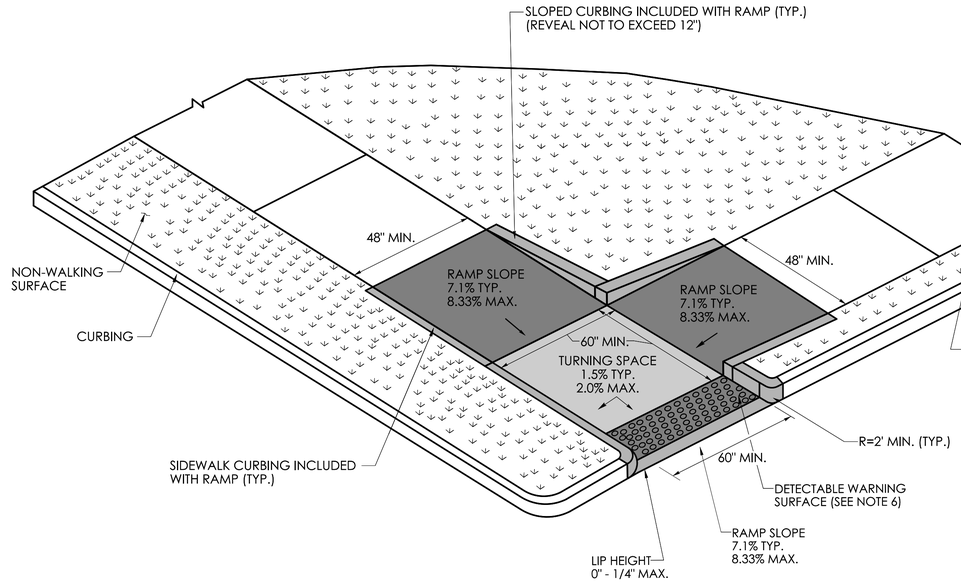
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

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.



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP WITH NON-WALKING SURFACE (TYPE 20)



RESTRICTED PEDESTRIAN CROSSING WITH LANDING AT BOTTOM AND NON-WALKING SURFACE (TYPE 21)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

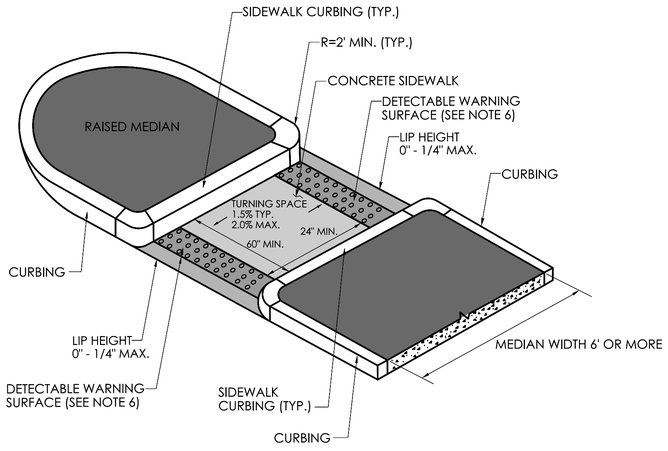
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 8 OF 11

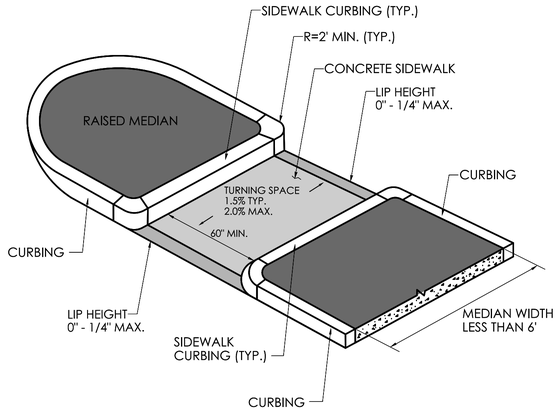
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SHEET NO.

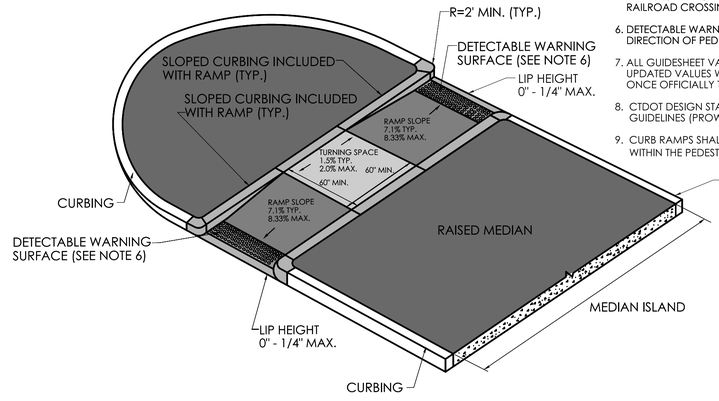
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)



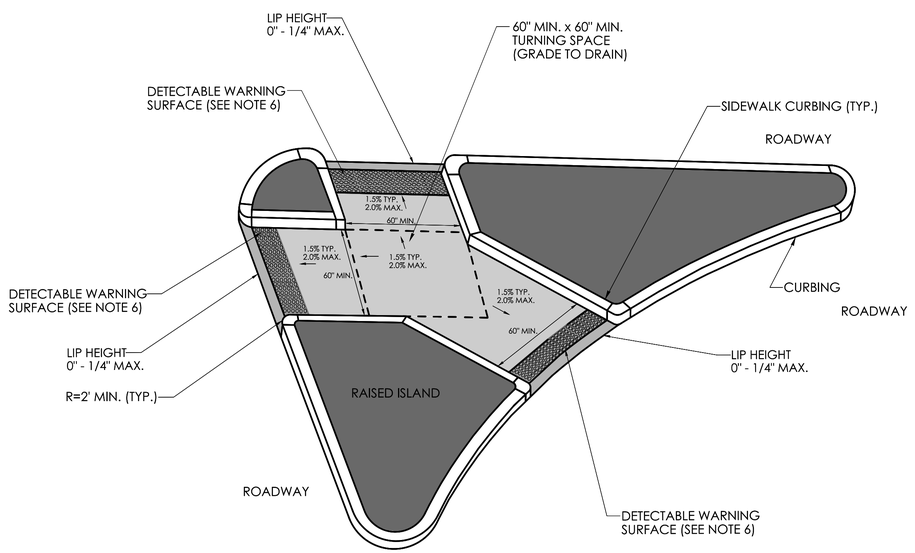
CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)



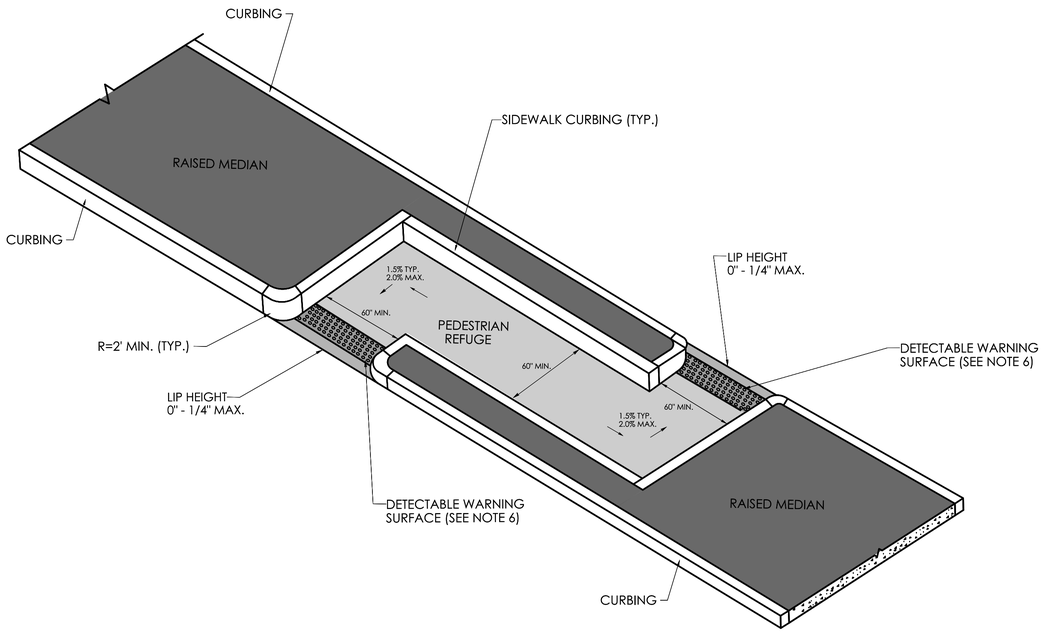
PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS
(TYPE 24)

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 $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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.



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
(TYPE 25)



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
OFFSET CONFIGURATION
(TYPE 26)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

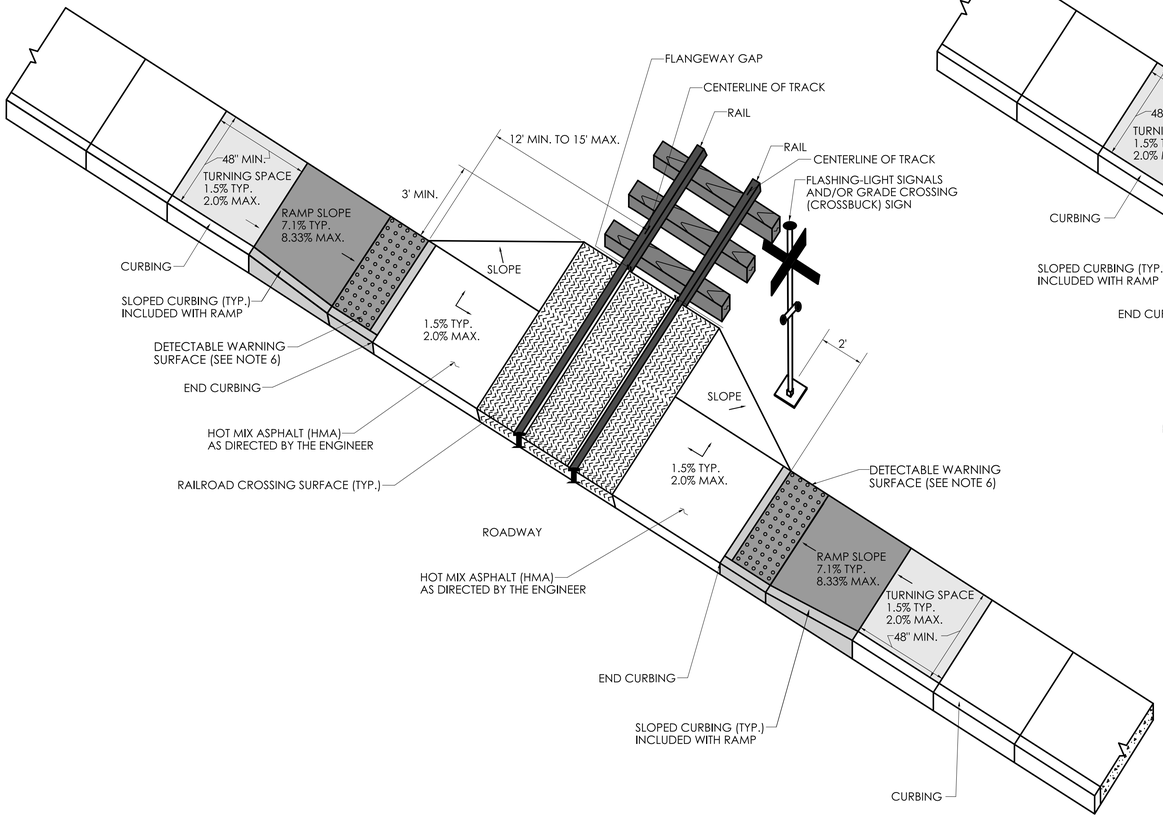
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 9 OF 11

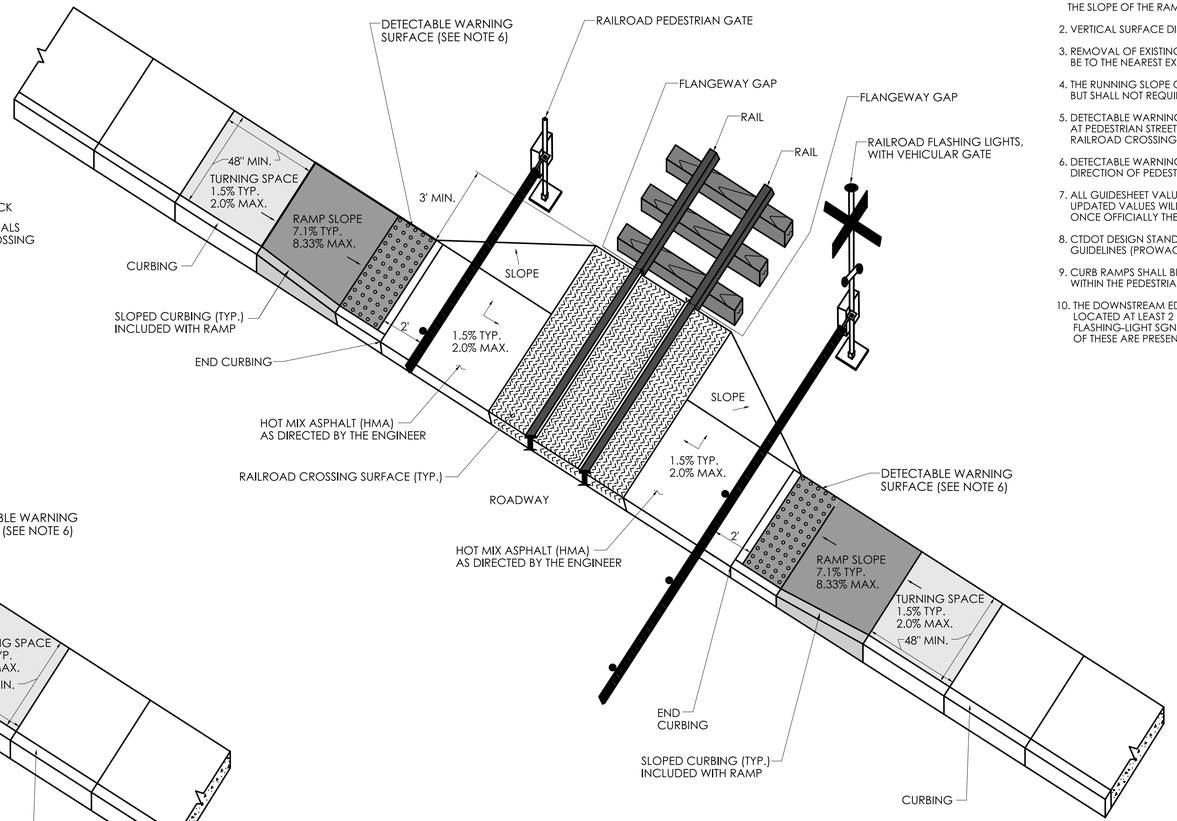
DRAWING NO.

SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



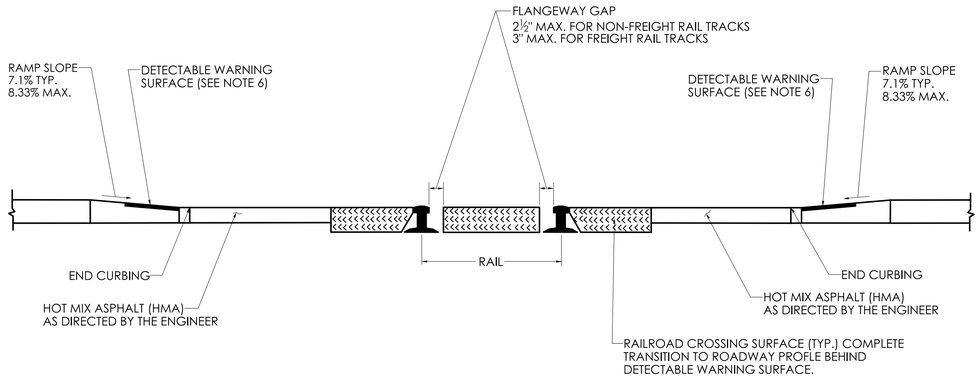
RAILROAD CROSSING RAMP WITHOUT GATE (TYPE 27)



RAILROAD CROSSING RAMP WITH GATE (TYPE 28)

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 $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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.
10. THE DOWNSTREAM EDGE OF THE DETECTABLE WARNNG STRIP SHALL BE LOCATED AT LEAST 2 FEET UPSTREAM FROM THE AUTOMATIC GATE. FLASHING-LIGHT SGNALS, OR GRADE CROSSING (CROSSBUCK) SIGN IF ANY OF THESE ARE PRESENT.



SECTION

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

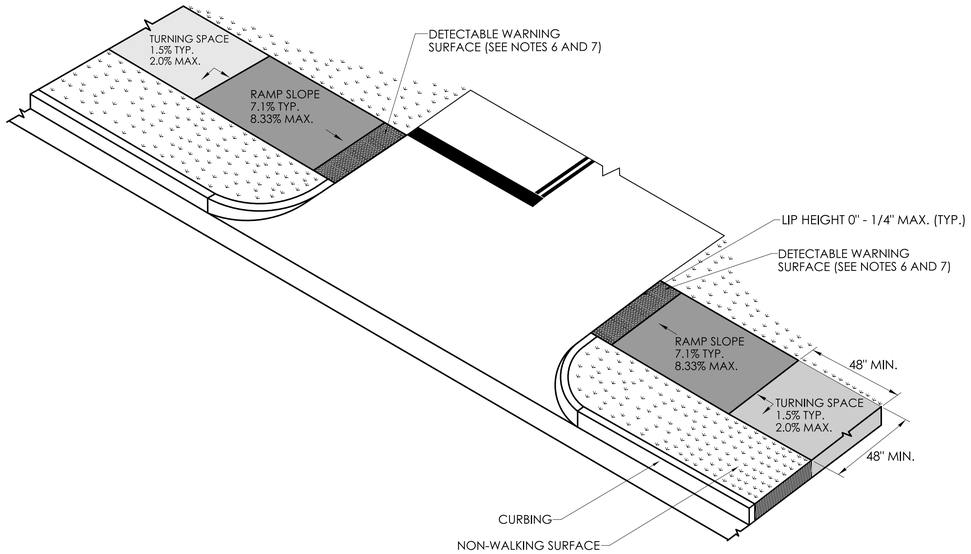
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 10 OF 11

DRAWING NO.

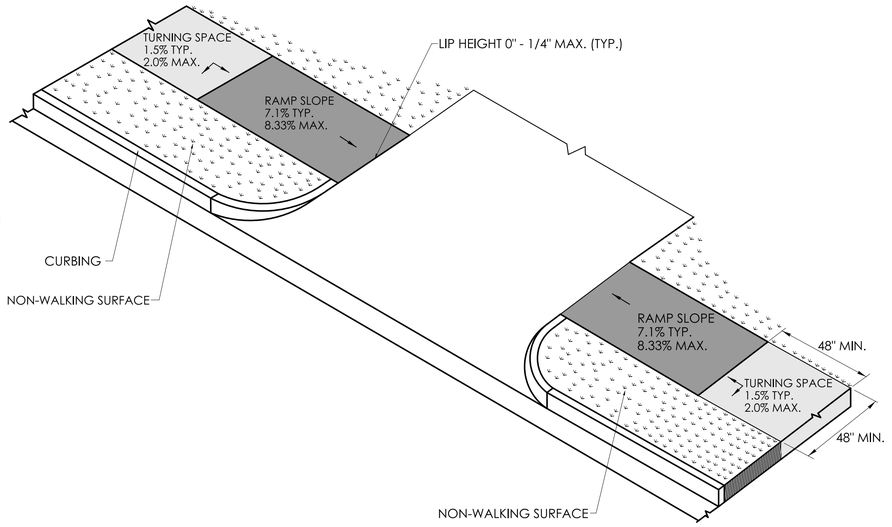
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 10/25/2024



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

(TYPE 29)

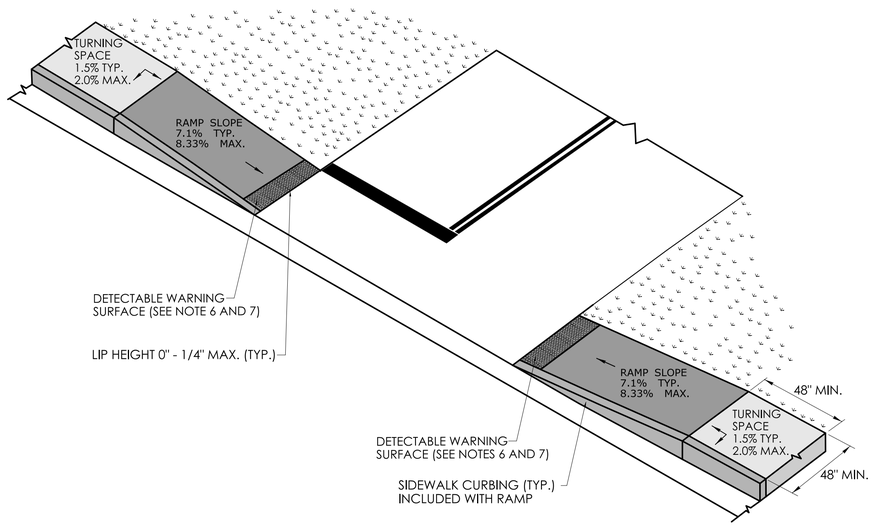


UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING WITH NON WALKING SURFACE

(TYPE 30)

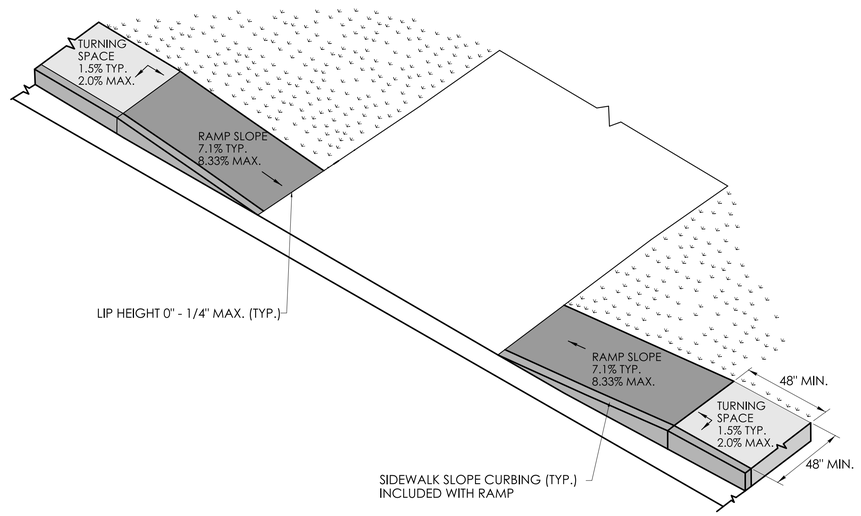
GENERAL NOTES:

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 $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 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	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

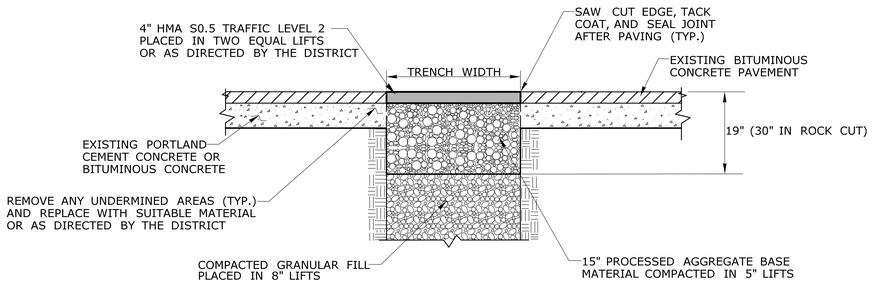
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 11 OF 11

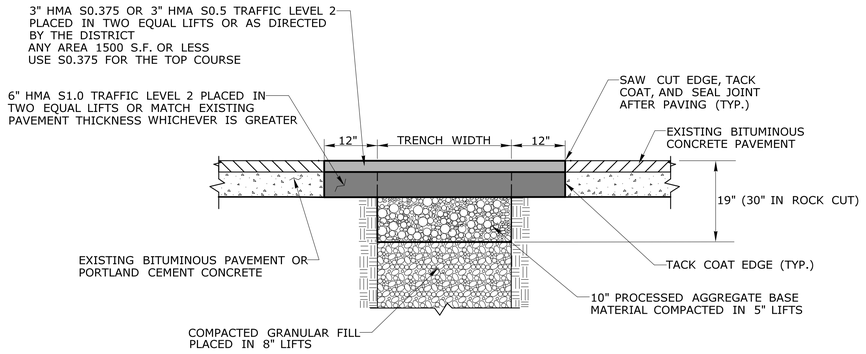
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SHEET NO.

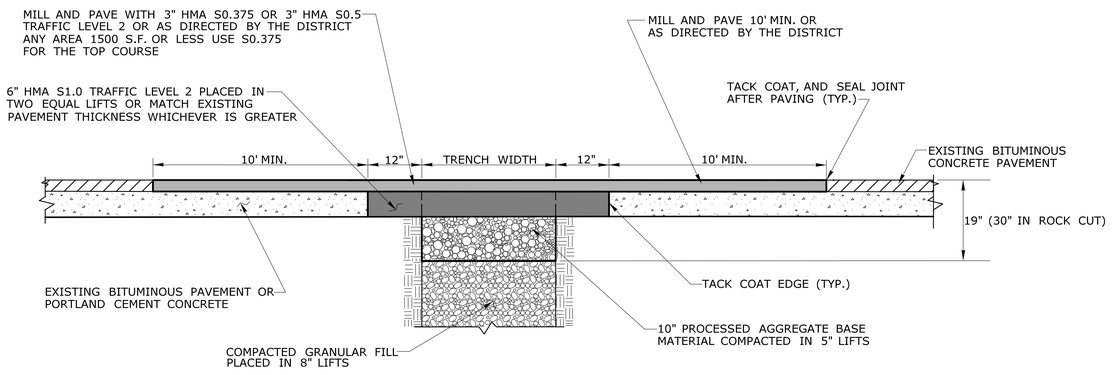
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



TEMPORARY PAVEMENT REPAIR FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITHOUT MILLING - THROUGH PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITH MILLING

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

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

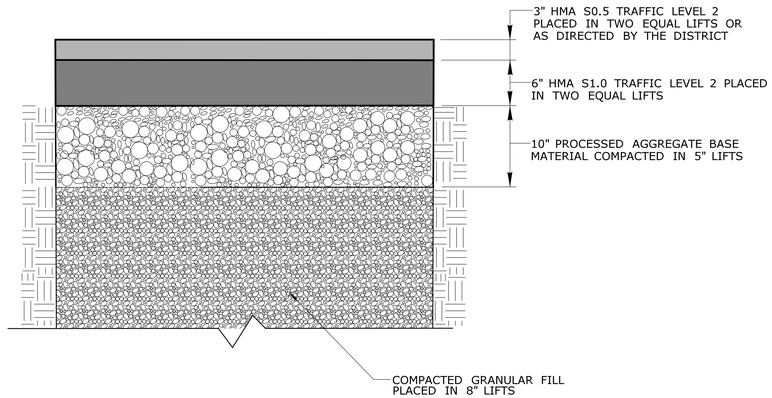
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

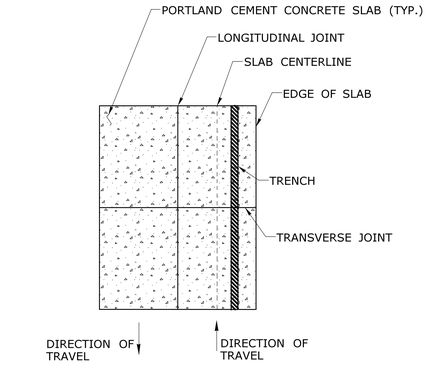
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

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

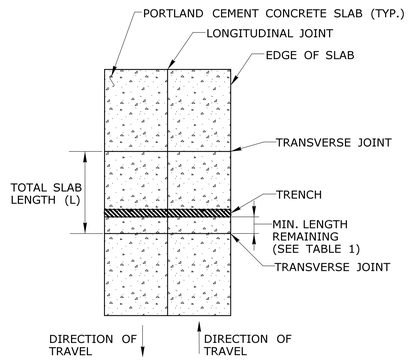
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



ROADWAY PROFILE



LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 2)

DRAFTER: MS CHECKED BY: EL NO SCALE	HIGHWAY OPERATIONS	OFFICE OF MAINTENANCE OPERATIONS SPECIAL SERVICES AND PLANNING	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	DRAWING TITLE: ENCROACHMENT PERMIT - PAVEMENT REPAIR

TITLE		DATE*
TR-GS_01	SIGN FACE SHEET ALUMINUM R SERIES TYPICAL SIGN DETAILS	10-21
TR-GS_02	SIGN FACE SHEET ALUMINUM S & W SERIES TYPICAL SIGN DETAILS	10-21
TR-GS_03	SIGN FACE SHEET ALUMINUM D, RS, E, I, & M SERIES TYPICAL SIGN DETAILS	10-21

TITLE	DATE*

*REVISED OR ADDED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-			

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

Plotted Date: 10/14/2021

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_GS.dgn Model: TR-GDS_INDEX

OFFICE OF ENGINEERING

TRAFFIC ENGINEERING GUIDE SHEET INDEX

GUIDE SHEET NO.:

TR-GS_INDEX

R1 - SERIES

R1-1 *



LEGEND - WHITE
BACKGROUND - RED

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

R1-2 *



LEGEND - RED
BACKGROUND -WHITE

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

R1-3P *



LEGEND - WHITE
BACKGROUND - RED

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

R2 - SERIES

R2-1



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

R2-4a



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

R3 - SERIES

R3-1



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

R3-5



31-0183 31-0184

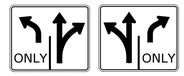
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-6



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X24	31-0175	1	.080

R3-8



31-0282 31-0283

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

R3-8b



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

R3-2



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

R3-6



31-0157 31-0158

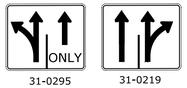
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-8



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

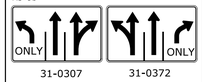
R3-8



31-0295 31-0219

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

R3-8b



31-0307 31-0372

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

R3-3



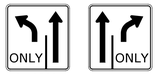
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-7



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

R3-8



31-0222 31-0223

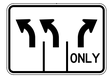
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8



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

R3-8b



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

R3-4



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

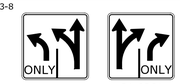
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-7



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

R3-8



31-0262 31-0261

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

R3-8b



31-0370 31-0371

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

R4 - SERIES

R4-1



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

R4-16



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

R4-3



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

R4-7



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

R5 - SERIES

R5-1 *



LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

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

R5-10a(CT)



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

R5-1a *



LEGEND - WHITE
BACKGROUND - RED

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

R5-11



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

R5-10a(CT)



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

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

R5-10c



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

R6 - SERIES

R6-1 *



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

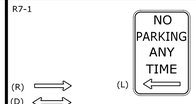
R6-1 *



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

R7 - SERIES

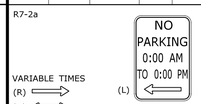
R7-1



LEGEND - RED
BACKGROUND - WHITE

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

R7-2a



LEGEND - RED
BACKGROUND - WHITE

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

R8 - SERIES

R8-7



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

R9 - SERIES

R9-3



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

R9-3a

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

R10 - SERIES

R10-6

31-0801 31-0802

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

R10-11b

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

R10-11c(CT)

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

R10-7

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

R10-10L

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

R10-15 *

31-1626 31-1625

LEGEND AND SYMBOLS - BLACK
YIELD SYMBOL - RED
BACKGROUND:
TOP - FLUORESCENT YELLOW-GREEN
BOTTOM - WHITE

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

R10-11a

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

R11 - SERIES

R11-1

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

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X48	31-5003	1	.080
2.00	4X72	31-5004	1	.080

NOTES:

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS SHALL BE 4 LBS./FT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE - EXCEPT AS NOTED.

LEGEND - BLACK - EXCEPT AS NOTED.

ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING WITH THE EXCEPTION OF OVERHEAD MOUNTED SIGNS AND SIGNS DESIGNATED WITH AN * WHICH SHALL BE TYPE XI RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
4	10-2021	REVISED SHEETING TYPE	TR-GS_01
3	12-2018	REVISED RETROREFLECTIVE STRIPS	TR-GS_01
2	10-2018	REVISED R5-11 SIGNS PER MUTCD	TR-GS_01
1	6-2018	NEW SHEET ISSUED	TR-GS_01

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

Plotted Date: 10/14/2021

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
Filename: ...\CTDOT_TRAFFIC_GS.dgn

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

PROJECT TITLE:
WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

TOWN: **NEW BRITAIN**

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

PROJECT NO. **2400730**
DRAWING NO. **TR-GS_01**
SHEET NO.

S - SERIES

S1-1



LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

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

W1 - SERIES

W1-1L



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

W1-1R



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

W1-6



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

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

W1-2



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

W1-2



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

W1-7



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

W1-8



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

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

W2 - SERIES

W2-1



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

W2-2



(LEFT OR RIGHT)

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

W3 - SERIES

W3-1



OCTAGON - RED

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

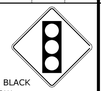
W3-2



TRIANGLE - RED & WHITE

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

W3-3



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

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



W/ FLASHERS

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

W4 - SERIES

W4-1



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

W4-1



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

W4-2



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

W4-2



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

W4-3



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

W4-3



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

W5 - SERIES

W5-1



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

W6 - SERIES

W6-1



W6-2



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

W6-3



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

W7 - SERIES

W7-1



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

W8 - SERIES

W8-5



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

W9 - SERIES

W9-1



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

W9-1



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

W9-2



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

W9-2



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

W11 - SERIES

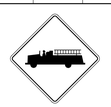
W11-2



LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

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

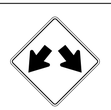
W11-8



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

W12 - SERIES

W12-1



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

W12-2



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



(SUBPLATE)

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



(SUBPLATE)

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

W13 - SERIES

W13-1P



(SUBPLATE)

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

W13-2



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

W13-3



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

W16 - SERIES

W16-2aP

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

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

W16-7PL

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

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

W16-7PR

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

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

W16-9P

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

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.75	30X18	41-6137		.080

W16-2aP

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

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

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW GREEN

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

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW

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

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
5. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS. FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS. SEE STANDARD SHEET TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION.

COLORS:

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
2	10-2021	REVISED SHEETING TYPE	TR-GS_02
1	6-2018	NEW SHEET ISSUED	TR-GS_02

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

Plotted Date: 10/14/2021

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

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

PROJECT TITLE:
WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

TOWN: **NEW BRITAIN**

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

PROJECT NO. **2400730**
DRAWING NO. **TR-GS_02**
SHEET NO.

D1 - SERIES

D1-1
51-5202 Variable →

D1-2
51-5203 Variable Variable →

VARIABLE LEGEND & ARROW DIRECTION

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

D3 - SERIES

D3-1
Variable Road Name

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

D4 - SERIES

D4-2
PARK - RIDE →

VARIABLE ARROW DIRECTION

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

D4-2
EXIT 000
1 PARK - RIDE

VARIABLE EXIT NUMBER

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

D4-2
PARK - RIDE →

VARIABLE ARROW DIRECTION

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

D4-2
EXIT 000
1 PARK - RIDE

VARIABLE EXIT NUMBER

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

D4-2
PARK - RIDE →

VARIABLE ARROW DIRECTION

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

D4-2
EXIT 000
PARK - RIDE

VARIABLE EXIT NUMBER

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

D4-2
EXIT 000
PARK - RIDE

VARIABLE EXIT NUMBER

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

D5 - SERIES

D5-2b
REST AREA →

LEGEND - WHITE
BACKGROUND - BLUE

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

SERVICE PLAZA →

LEGEND - WHITE
BACKGROUND - BLUE

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

D7 - SERIES

D-7
51-6802 Variable →
51-6803 Variable Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

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

D9 - SERIES

D9-2
H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

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

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

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

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

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

D10 - SERIES

D10-4
NORTH
95
MILE
000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

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

RECREATIONAL RS- SERIES

RS-054

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

RS-117

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

51-2705
51-2706 L or R

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

E5 - SERIES

E5-1a
EXIT →

FOR USE AT "NO NUMBERED" EXITS

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

E5-1a
EXIT ← 00
51-6125

EXIT 00 →
51-6124

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

E5-1a
EXIT ← 00 B
51-6127

EXIT 00 B →
51-6126

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

E5-1a
EXIT ← 00 A-B
51-6129

EXIT 00 A-B →
51-6128

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

I - SERIES

I-3
(Variable) River

VARIABLE: RIVER, BROOK, CREEK

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

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

VARIABLE: TOWN / CITY

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

I-7

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

PARKING AREA PATROLLED

LEGEND - BLACK
BACKGROUND - WHITE

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

INCIDENT MANAGEMENT

N 0 .0
N 0 0 .0
N 0 0 0 .0

CARDINAL DIRECTION VARIABLE - N, S, E, W

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

SYMBOL - WHITE
BACKGROUND - BLUE

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

51-6504 Variable
51-6505 Variable Variable

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

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

M1 - SERIES

M1-1
INTERSTATE CONNECTICUT 00
51-6662
51-6666
VARIABLE: 1 or 2 DIGITS

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

LEGEND - WHITE
BACKGROUND - RED & BLUE

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

M1-4
00
51-6615
51-6635
VARIABLE: 1 or 2 DIGITS

000
51-6644
51-6645
VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

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

M1-5
00
51-6616
51-6636
VARIABLE: 1 or 2 DIGITS

000
51-6647
51-6646
VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

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

M2 - SERIES

M2-1
JCT

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

M3 - SERIES

M3-1
NORTH

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

M3-4
WEST

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

M3-2
EAST

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

M3-3
SOUTH

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

M4 - SERIES

M4-5
TO

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

M5 - SERIES

M5-1
51-2690 51-2630
51-2691 51-2631

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

M5-2
51-2692 51-2632
51-2693 51-2633

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

M6 - SERIES

M6-1
L or R

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

M6-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2687	(1)	.080
2.19	21X15	51-2627	(2)	.080

M6-2
51-2688 51-2629
51-2689 51-2628 51-2609

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

M6-3

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

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

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

E - SERIES
BACKGROUND-GREEN, LEGEND-WHITE

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

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

ALL SIGNS TO USE TYPE XI RETROREFLECTIVE SHEETING WITH THE EXCEPTION OF SIDE MOUNTED SIGNS WITH WHITE BACKGROUND WHICH SHALL BE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
4	10-2021	REVISED SHEETING TYPE	TR-GS_04
3	12-2018	REVISED D2, D3, D9, AND I SIGN SERIES.	TR-GS_03
2	7-2018	REVISED BROWN COLOR TO TYPE IV.	TR-GS_03
1	6-2018	NEW SHEET ISSUED	TR-GS_03

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

Plotted Date: 10/14/2021

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

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

PROJECT TITLE:
WEST MAIN STREET PEDESTRIAN CONNECTIVITY & SAFETY IMPROVEMENTS

TOWN: NEW BRITAIN

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

PROJECT NO. 2400730
DRAWING NO. TR-GS_03
SHEET NO.

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # 2400730 **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	11-08-22
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	11-08-22
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	11-08-22
✓	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	02-28-24
✓	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	11-08-22
	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)	02-02-24
	HW-822 02c	TEMPORARY TRAFFIC BARRIER & TEMPORARY TRAFFIC BARRIER (PINNED)	11-08-22
	HW-905_01	STONE WALL FENCE	11-09-22
	HW-906_01	WIRE FENCE	11-08-22

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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: 3/5/2024

*ONLY STANDARD SHEETS MARKED WITH AN " ✓ " ARE IN THIS PROJECT # 2400730 **REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	11-08-22
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	11-08-22
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	11-08-22
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	11-08-22
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	11-08-22
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	11-08-22
	HW-910 09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	11-08-22
	HW-910 09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	11-08-22
	HW-910 10	METAL BEAM RAIL 8" x 6" BOX BEAM	11-08-22
	HW-910 11	CURVED GUIDERAIL TREATMENT DETAIL	11-08-22
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	11-08-22
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	11-08-22
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	11-02-22
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	11-08-22
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_13b	THRIE-BEAM TRANSITIONS	11-08-22
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	11-08-22
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	11-08-22
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	11-08-22
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	11-08-22
	HW-910_17	R-B TERMINAL SECTION	11-08-22
	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	11-08-22
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	11-09-22
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	11-08-22
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	11-08-22
	HW-910_20	MASH W-BEAM HARDWARE	01-05-24
	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	01-05-24
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	11-08-22
	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	11-08-22
	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_25a	METAL BEAM RAIL TRANSITION 350 TO MASH	01-05-24
	HW-910_25b	METAL BEAM RAIL MEDIAN APPLICATION TRANSITION 350 TO MASH GUIDERAIL	01-05-24
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	11-08-22
	HW-910_27	THRIE-BEAM ATTACHMENT	11-08-22
	HW-910_29	THRIE-BEAM BRIDGE ATTACHMENT TRAILING END	02-02-24
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	02-28-24
	HW-911_02	MD-B END ANCHORAGE TYPE I	02-28-24
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	01-05-24
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	11-08-22
	HW-913_01a	CHAIN LINK FENCE	11-08-22
	HW-913_01b	CHAIN LINK FENCE HARDWARE	11-08-22
	HW-913_02	CHAIN LINK FENCE GATES	11-08-22
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	11-08-22
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	11-08-22
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	11-08-22
✓	HW-921_01	CONCRETE SIDEWALKS	11-08-22
✓	HW-922_01	BITUMINOUS CONCRETE SIDEWALK AND BITUMINOUS CONCRETE DRIVEWAY	11-08-22
✓	HW-924_01	CONCRETE DRIVEWAY RAMPS	11-09-22
	HW-930_01	OBJECT MARKER (MAINTENANCE)	02-28-24
✓	HW-949_01a	LANDSCAPE PLANTING	11-09-22
✓	HW-949_01b	TREE STAKING	11-02-22
	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	11-02-22
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	11-02-22

NOT TO SCALE

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

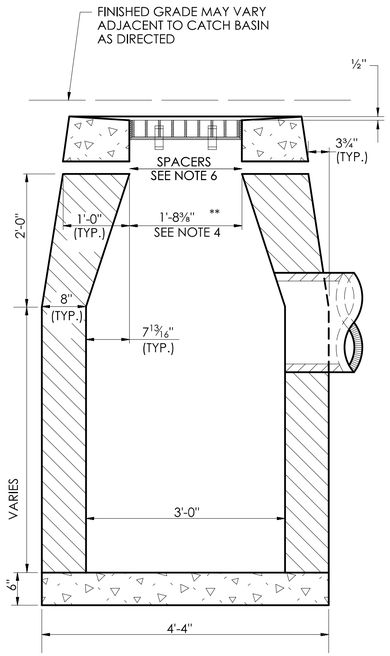
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
HIGHWAY STANDARD SHEET INDEX

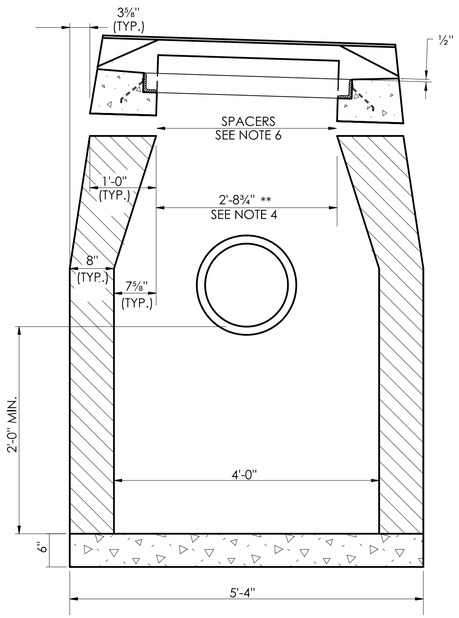
STANDARD SHEET NO.:
2 OF 2

PLOTTED DATE: 3/5/2024



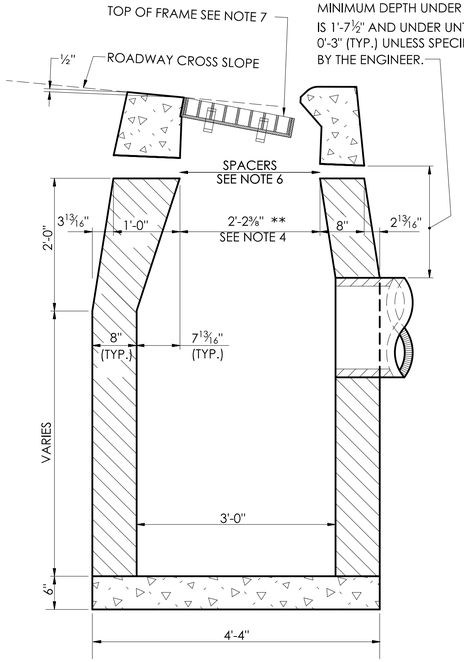
SECTION B

TYPE "C-L" CATCH BASIN



SECTION A

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

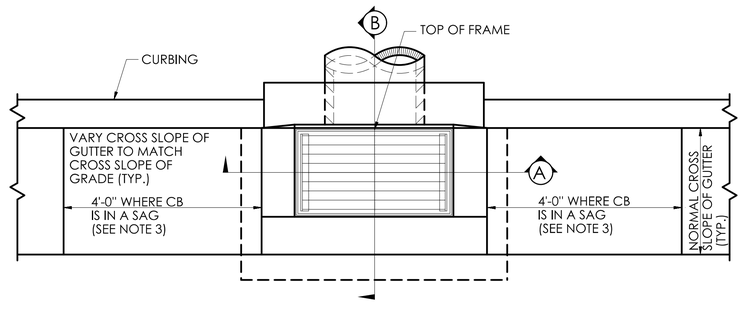


SECTION B

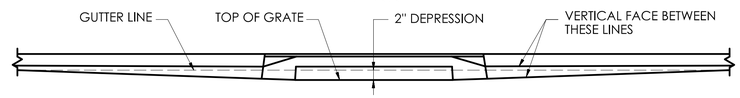
TYPE "C" CATCH BASIN

GENERAL NOTES:

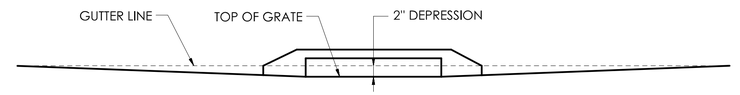
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED 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. FOR GRADE ADJUSTMENT OF THE CATCH BASIN TOP (TO MATCH THE ROADWAYS' PROFILE AND CROSS-SLOPE SHOWN ON THE PLANS) USE; SPACERS EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) COMBINED WITH MORTAR AS NEEDED TO PROVIDE THE PROPER GRADE ADJUSTMENTS.
7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



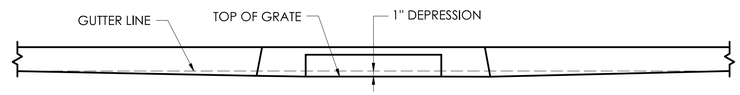
PLAN



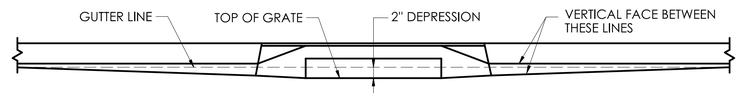
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



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

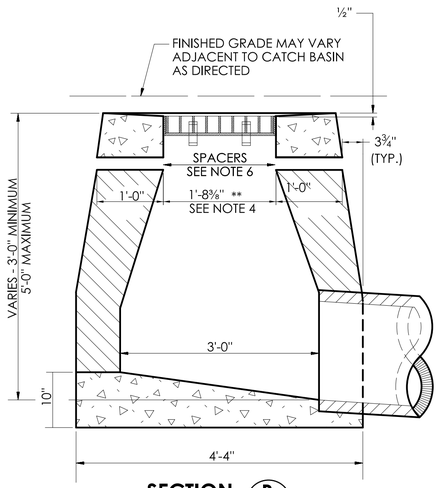


CATCH BASINS IN A LINE WITH 6" CONCRETE CURBING OR 6" STONE CURBING



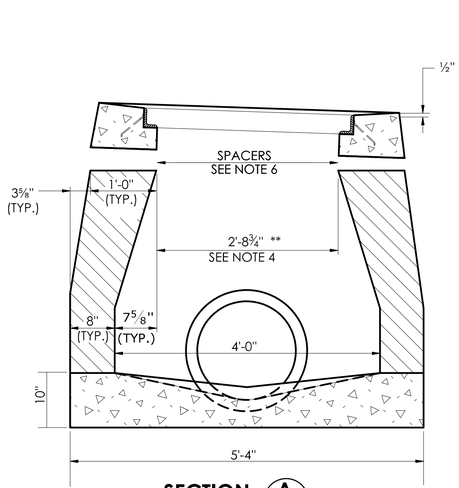
CATCH BASINS IN A LINE WITH 6" BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

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



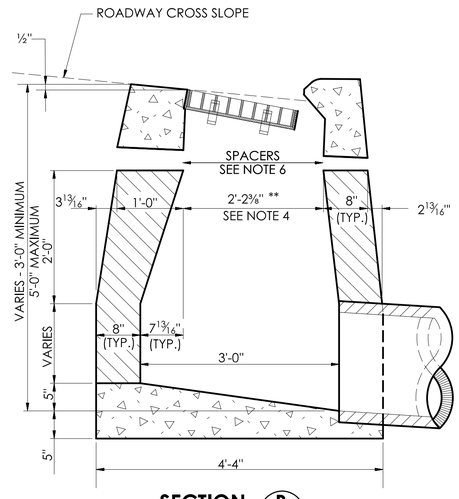
SECTION B

TYPE "C-L" DROP INLET



SECTION A

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



SECTION B

TYPE "C" DROP INLET

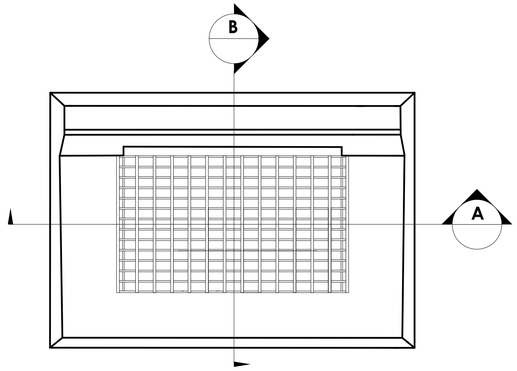
	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 10:09:07-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 12:35:34-05'00'	CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" STRUCTURES	STANDARD SHEET NO.: HW-586_01

PLOTTED DATE: 10/22/2024

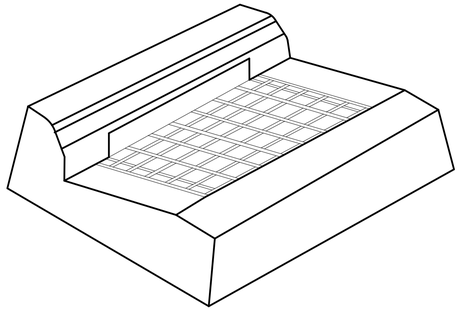
GENERAL NOTES:

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.
4. Manufacturing Dimensional Tolerance Table

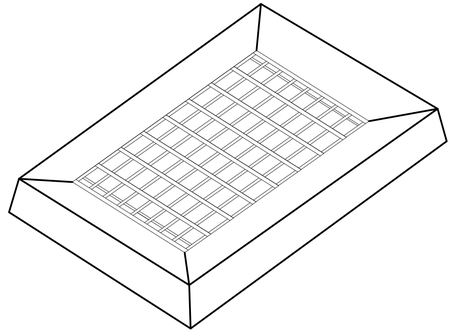
Any Dimension (D)	Allowable Tolerance
D < 5"	± ¼"
5" ≤ D ≤ 10"	± ½"
D > 10"	± 1"



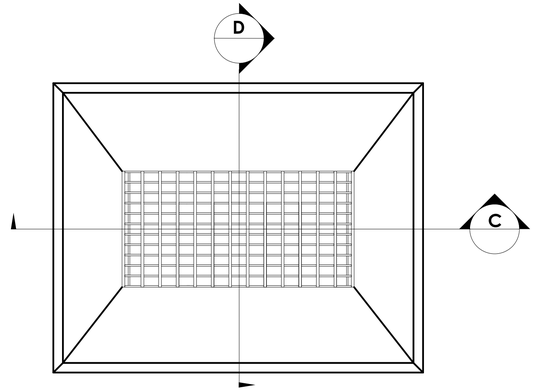
TYPE "C" CATCH BASIN TOP PLAN



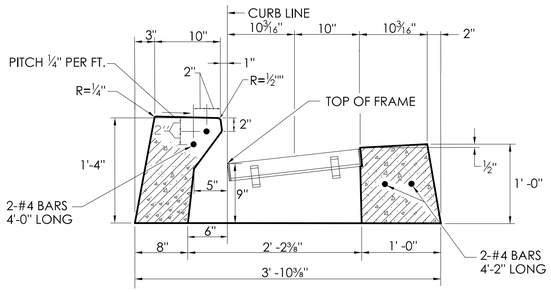
TYPE "C" CATCH BASIN TOP



TYPE "C-L" CATCH BASIN TOP

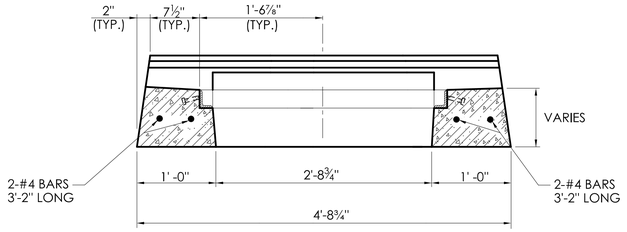


TYPE "C-L" CATCH BASIN TOP PLAN



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

SECTION B



TYPE "C" CATCH BASIN TOP

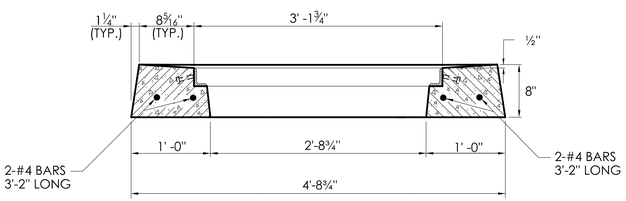
SECTION A

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

SECTION B

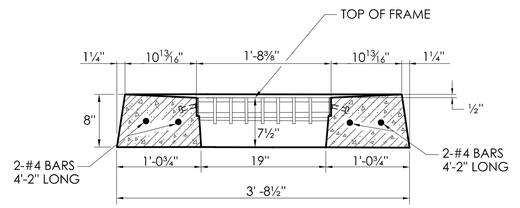
TYPE "C" CATCH BASIN TOP FOR 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING

SECTION B



TYPE "C-L" CATCH BASIN TOP

SECTION C



TYPE "C-L" CATCH BASIN TOP

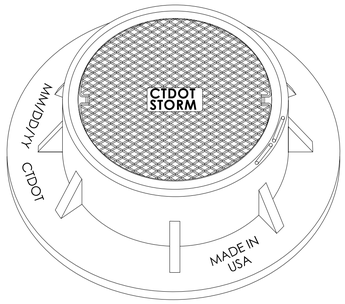
SECTION D

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 10:20:48-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 12:42:28-05'00'	CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN TYPE "C" AND "C-L" TOPS	STANDARD SHEET NO.: HW-586_07a

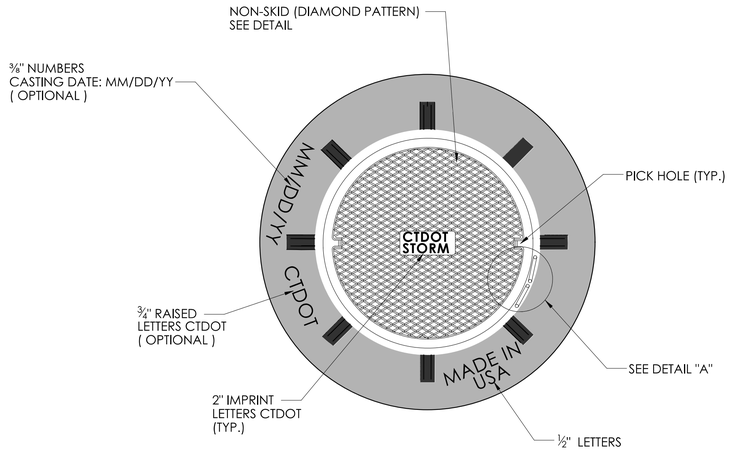
PLOTTED DATE: 10/22/2024

GENERAL NOTES:

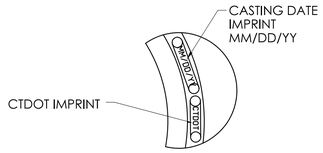
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
2. CASTING DATE SHALL BE INDICATED ON EACH; FRAME (SEE DETAIL A) AND COVER (PLACED ON UNDERSIDE).



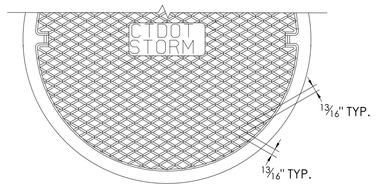
MANHOLE FRAME AND COVER



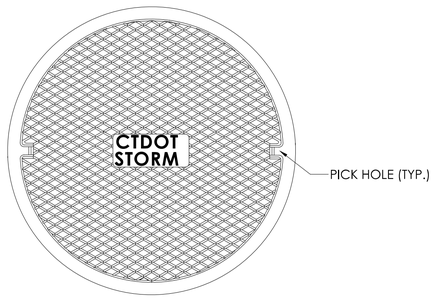
PLAN



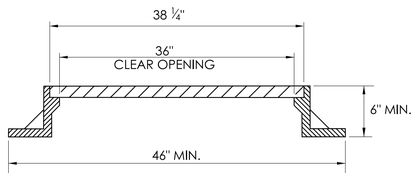
DETAIL "A"



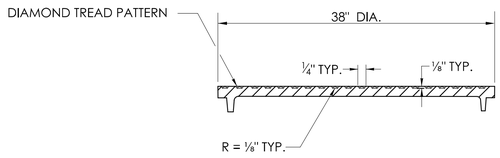
DIAMOND PATTERN PLAN



MANHOLE COVER PLAN



MANHOLE FRAME AND COVER



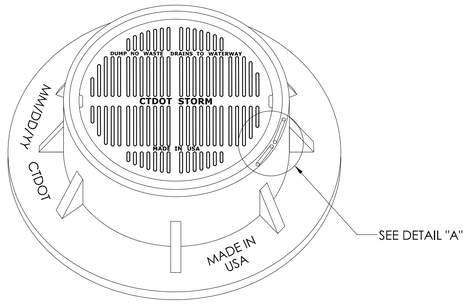
MANHOLE COVER WITH DIAMOND PATTERN

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 10:15:43-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:03:50-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MANHOLE FRAME AND COVER	STANDARD SHEET NO.: HW-586_10a

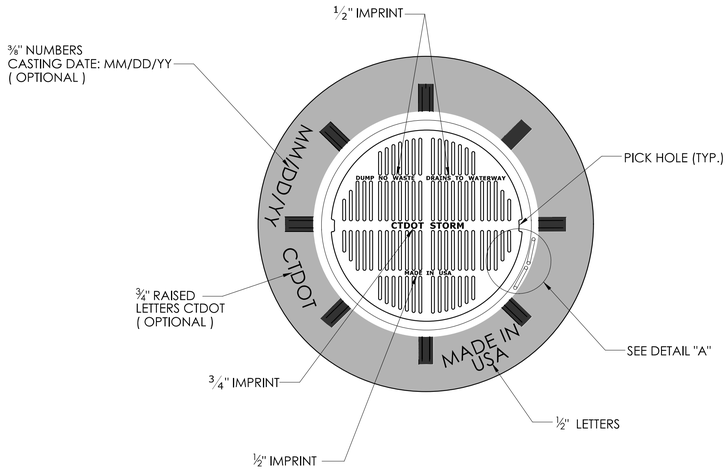
PLOTTED DATE: 10/22/2024

GENERAL NOTES:

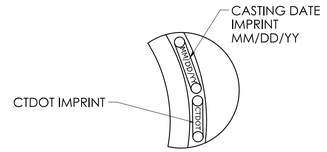
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



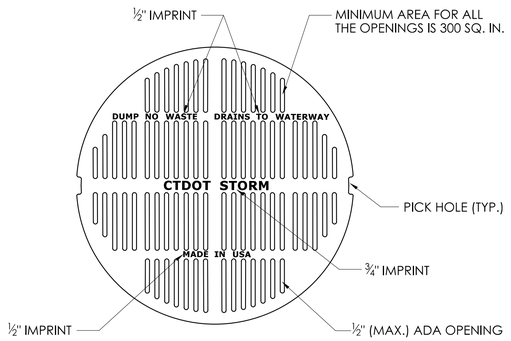
MANHOLE FRAME AND GRATE



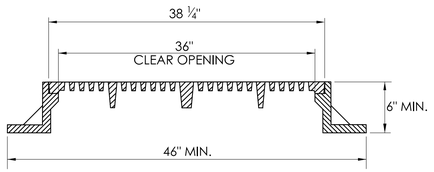
PLAN



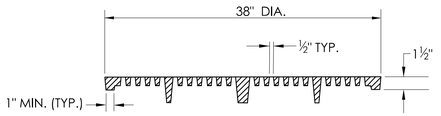
DETAIL "A"



MANHOLE GRATE
PLAN



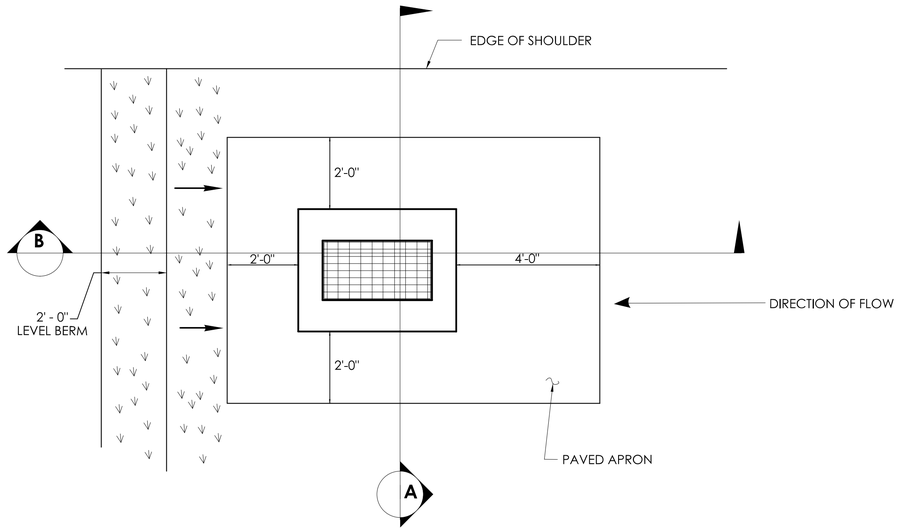
MANHOLE FRAME AND COVER



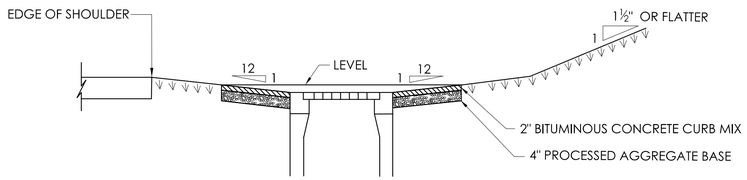
MANHOLE GRATE

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2025.01.21 14:34:46-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.02.03 20:37:35-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MANHOLE FRAME AND GRATE / STANDARD SHEET NO.: HW-586_10b

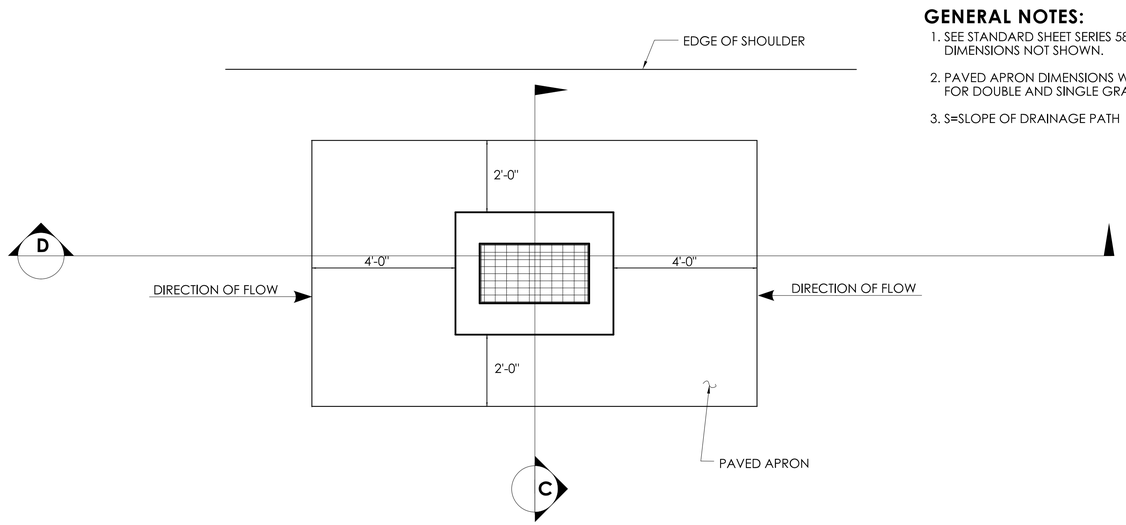
PLOTTED DATE: 1/21/2025



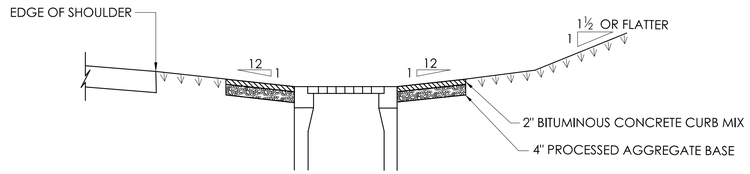
PLAN



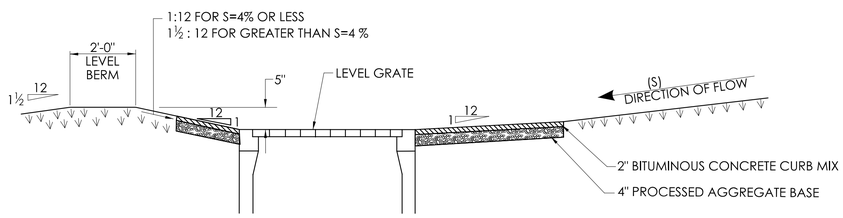
SECTION A -



PLAN

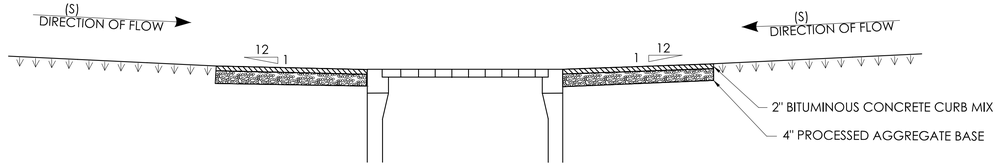


SECTION C -



SECTION B -

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



SECTION D -

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

GENERAL NOTES:

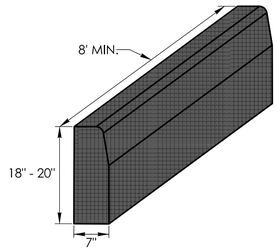
1. SEE STANDARD SHEET SERIES 586, FOR CATCH BASIN DIMENSIONS NOT SHOWN.
2. PAVED APRON DIMENSIONS WILL REMAIN THE SAME FOR DOUBLE AND SINGLE GRATES.
3. S=SLOPE OF DRAINAGE PATH

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 14:01:07-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:12:24-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: PAVED APRONS / STANDARD SHEET NO.: HW-803_01

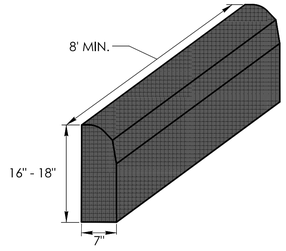
PLOTTED DATE: 10/22/2024

GENERAL NOTE:

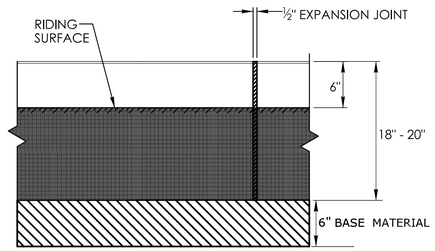
1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



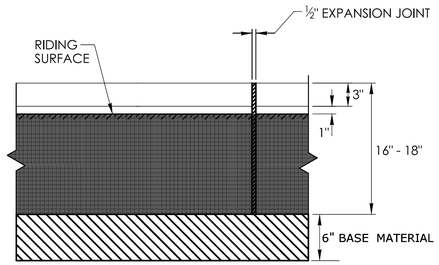
CONCRETE CURBING (6" REVEAL)



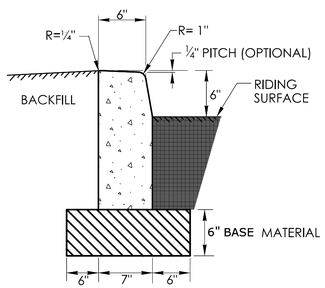
CONCRETE PARK CURBING (4" REVEAL)



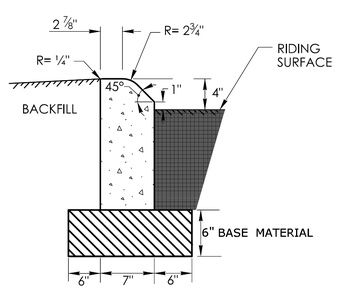
FRONT ELEVATION



FRONT ELEVATION



SECTION



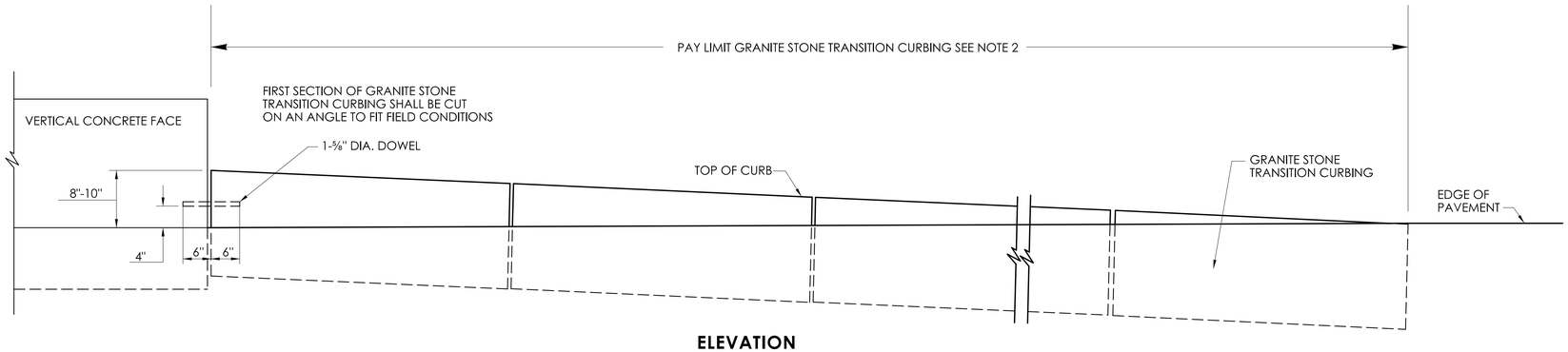
SECTION

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 14:00:51-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:13:38-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CONCRETE CURBNG	STANDARD SHEET NO.: HW-811_01

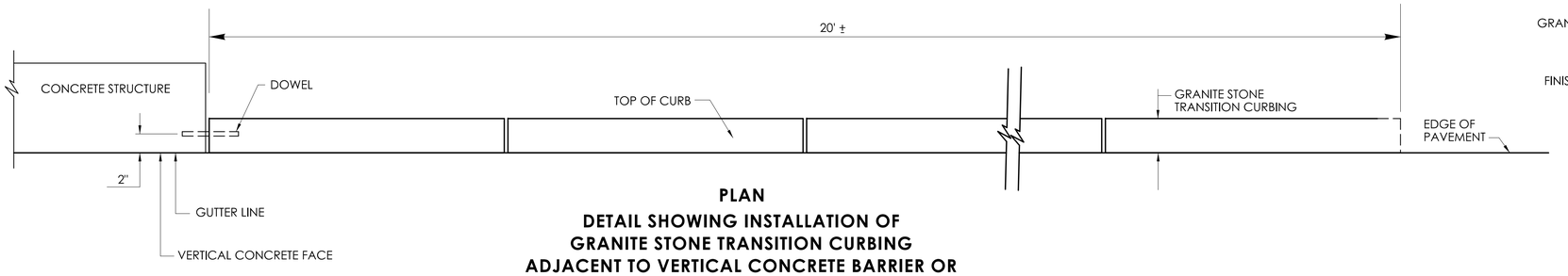
PLOTTED DATE: 10/22/2024

GENERAL NOTES:

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

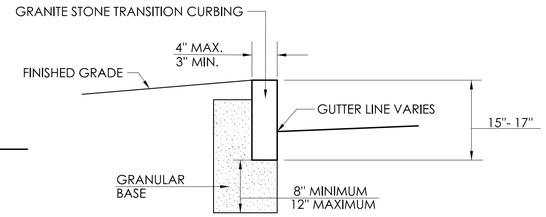


ELEVATION

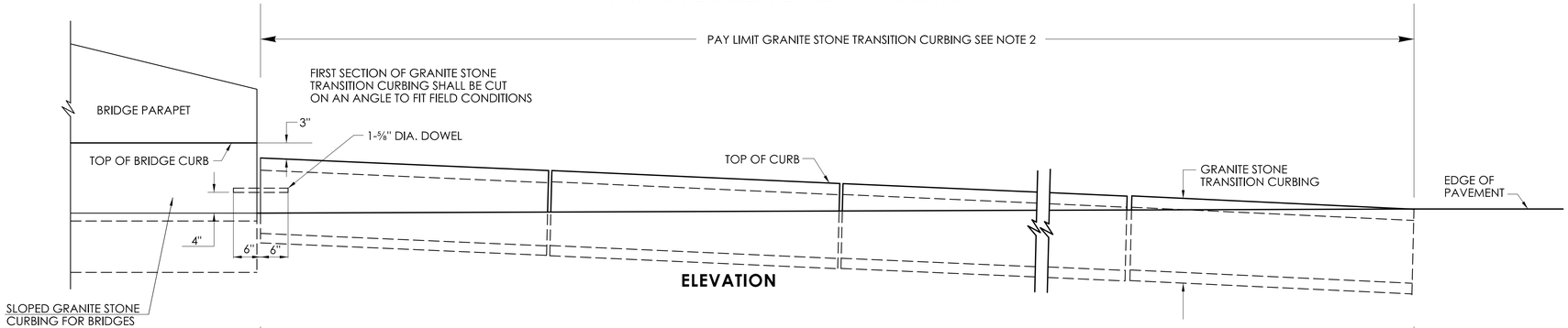


PLAN

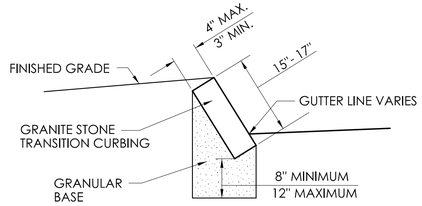
DETAIL SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING ADJACENT TO VERTICAL CONCRETE BARRIER OR VERTICAL FACE CONCRET BRIDGE BUILD-OUT WITH NO ADJACENT ROADWAY CURBING



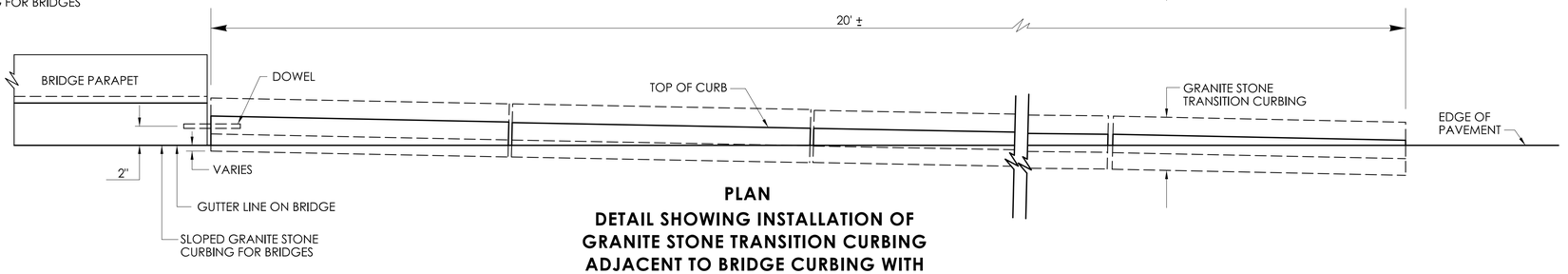
TYPICAL SECTION SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING AT VERTICAL FACE



ELEVATION



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

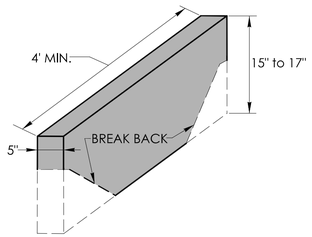


PLAN

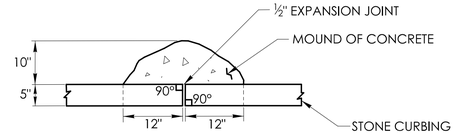
DETAIL SHOWING INSTALLATION OF GRANITE STONE TRANSITION CURBING ADJACENT TO BRIDGE CURBING WITH NO ADJACENT ROADWAY CURBING

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 14:00:34-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:14:17-05'00'	CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: GRANITE STONE TRANSITION CURBNG	STANDARD SHEET NO.: HW-813_01

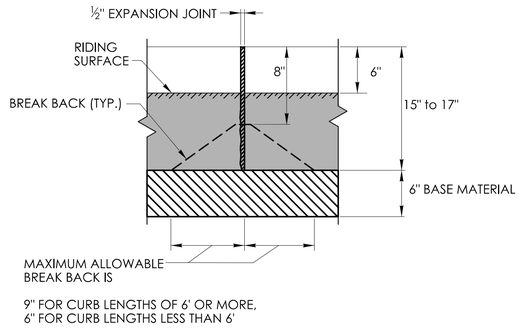
PLOTTED DATE: 10/22/2024



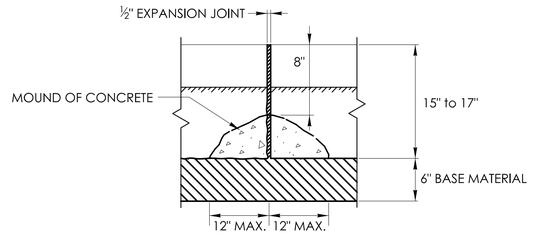
STONE CURBING



PLAN

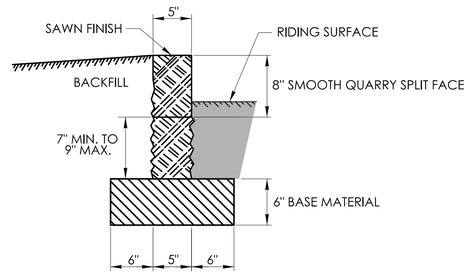


FRONT ELEVATION



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING



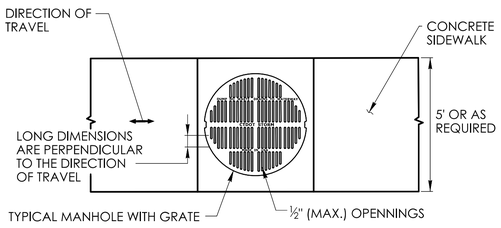
SECTION

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 13:59:57-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:15:08-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: STONE CURBNG / STANDARD SHEET NO.: HW-813_02

PLOTTED DATE: 10/22/2024

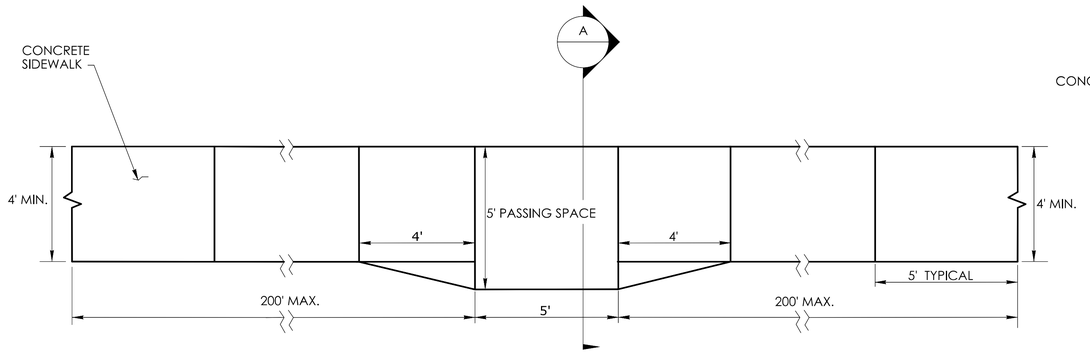
GENERAL NOTES:

1. SEE CONCRETE SIDEWALK RAMPS GUIDE SHEETS FOR PEDESTRIAN RAMP TYPES.
2. ALL CURBING SHALL BE INSTALLED AS EITHER PRECAST OR CAST IN PLACE AS DIRECTED.



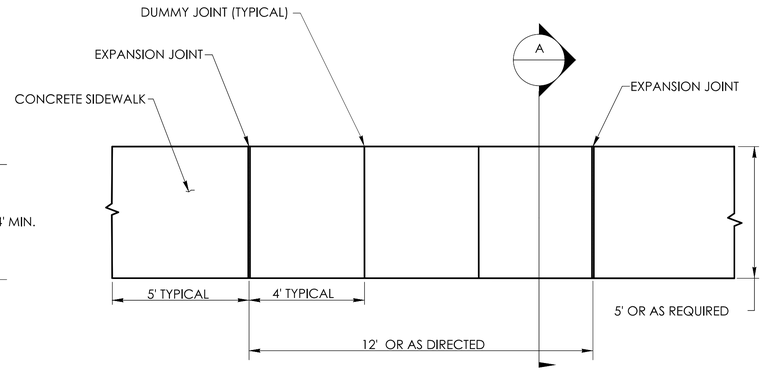
PEDESTRIAN ACCESS ROUTE OVER A MANHOLE WITH GRATE

1. HORIZONTAL OPENINGS IN GRATES AND JOINTS MUST NOT BE MORE THAN ½ INCH
2. ELONGATED OPENINGS IN GRATES MUST BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL

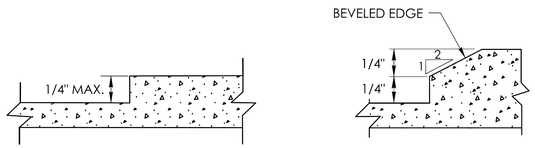


5' PASSING SPACE FOR 4' WIDE SIDEWALK PLAN

PASSING SPACES SHALL BE PROVIDED AT INTERVALS OF 200' MAXIMUM FOR SIDEWALKS LESS THAN 5' IN WIDTH

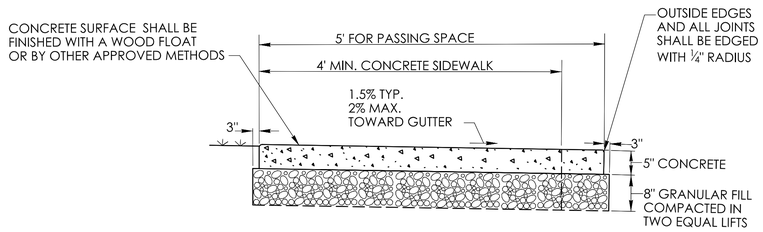


5' WIDE SIDEWALK PLAN



VERTICAL SURFACE DISCONTINUITIES

VERTICAL SURFACE DISCONTINUITIES MUST BE BEVELED TO A HEIGHT NOT GREATER THAN ¼ INCH. THE BEVEL MUST BE THE ENTIRE WIDTH OF THE DISCONTINUITY

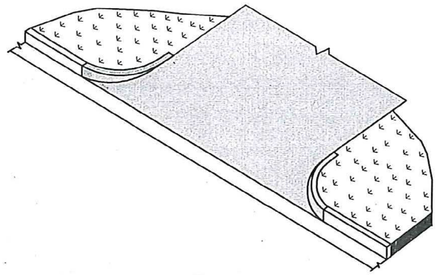


5' PASSING SPACE FOR 4' WIDE SIDEWALK

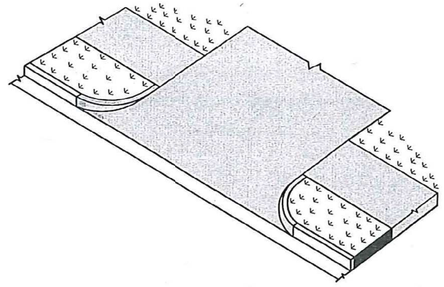
SECTION A

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.19 15:11:56-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.29 12:47:10-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CONCRETE SIDEWALKS	STANDARD SHEET NO.: HW-921_01

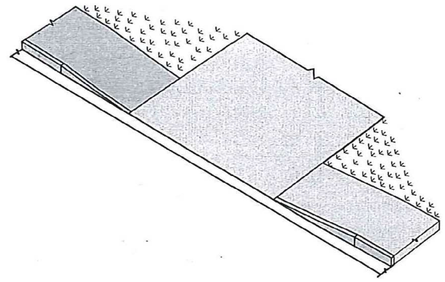
PLOTTED DATE: 10/23/2024



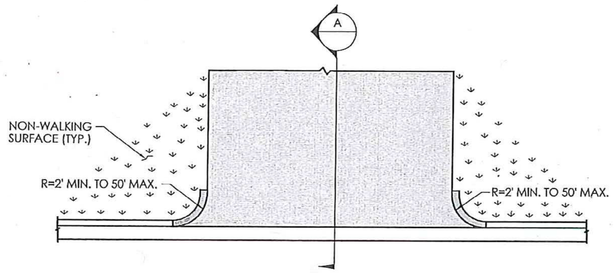
BITUMINOUS CONCRETE DRIVEWAY



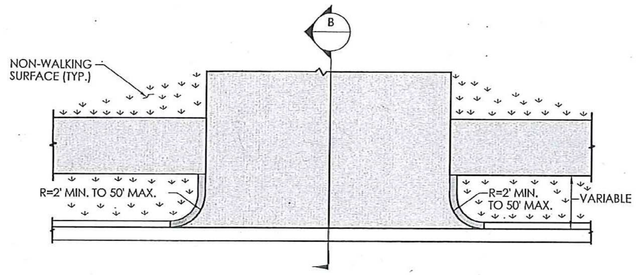
BITUMINOUS CONCRETE DRIVEWAY
WITH A PEDESTRIAN SIDEWALK SETBACK



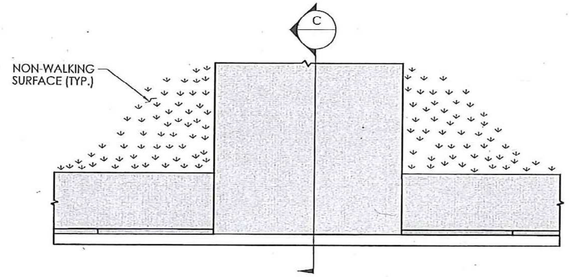
BITUMINOUS CONCRETE DRIVEWAY
WITH PEDESTRIAN SIDEWALK AT THE CURB



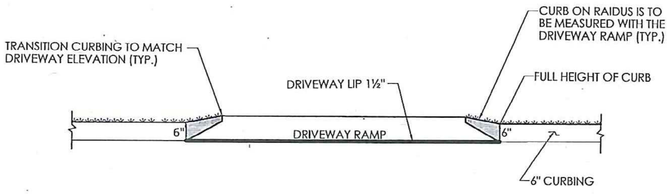
PLAN



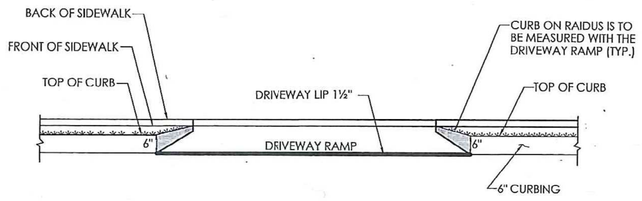
PLAN



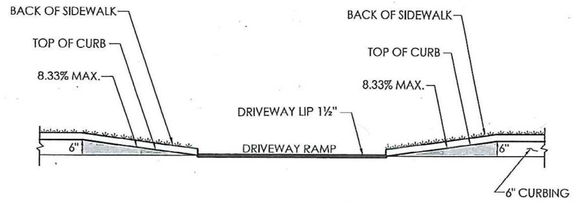
PLAN



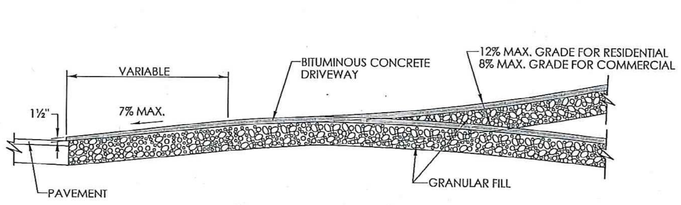
ELEVATION



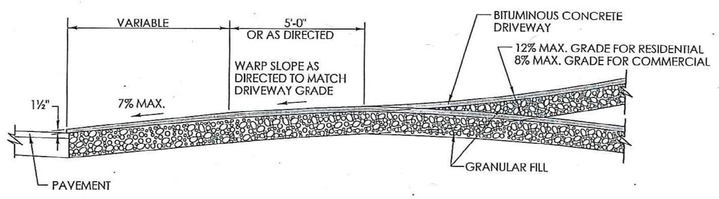
ELEVATION



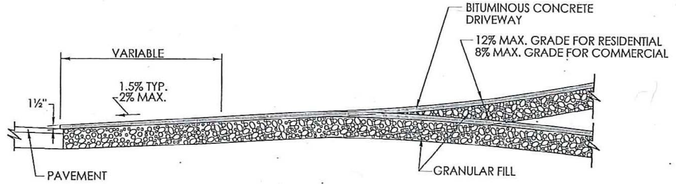
ELEVATION



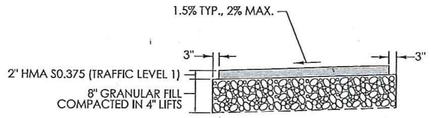
SECTION (A)



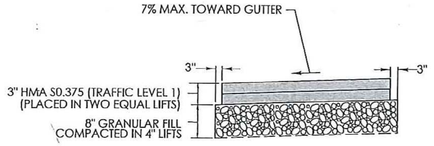
SECTION (B)



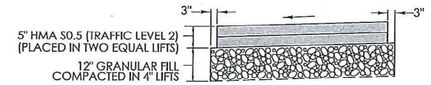
SECTION (C)



BITUMINOUS CONCRETE SIDEWALK



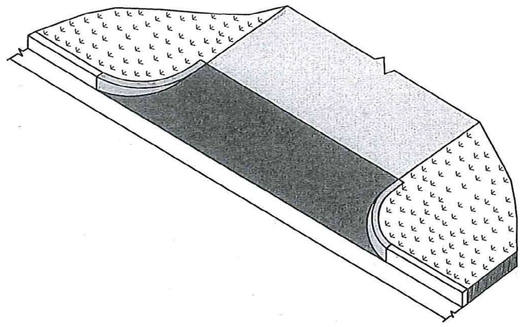
BITUMINOUS CONCRETE DRIVEWAY



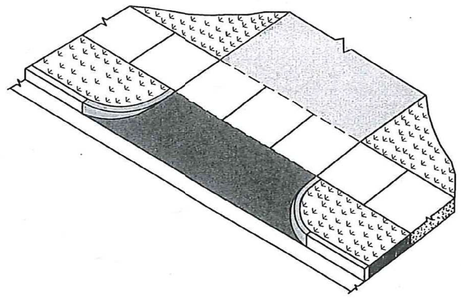
COMMERCIAL
BITUMINOUS CONCRETE DRIVEWAY

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2022.09.27 15:14:43 -04'00'	APPROVED BY: Digitally signed by Calabrese, Michael Date: 2022.11.08 09:41:50-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: BITUMINOUS CONCRETE SIDEWALK AND BITUMINOUS CONCRETE DRIVEWAY / STANDARD SHEET NO.: HW-922_01

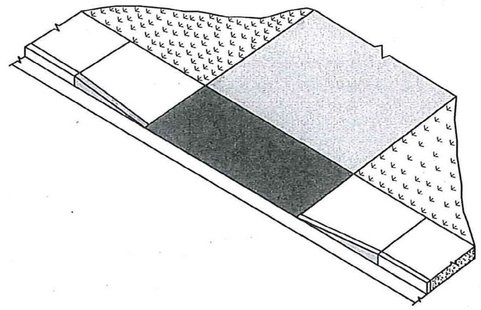
PLOTTED DATE: 9/23/2022



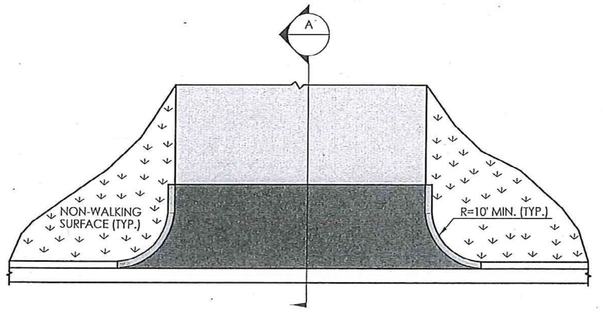
CONCRETE DRIVEWAY RAMP



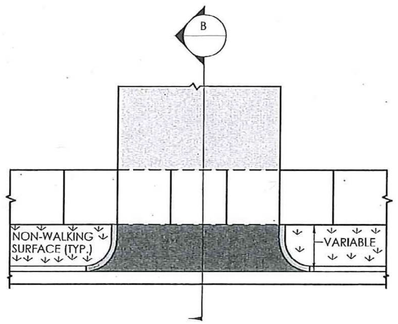
CONCRETE DRIVEWAY RAMP
WITH A PEDESTRIAN SIDEWALK SETBACK



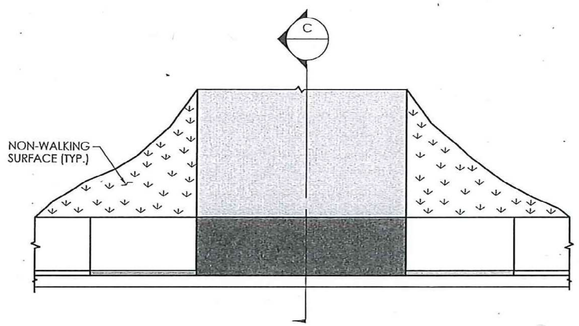
CONCRETE DRIVEWAY RAMP
WITH PEDESTRIAN SIDEWALK AT THE CURB



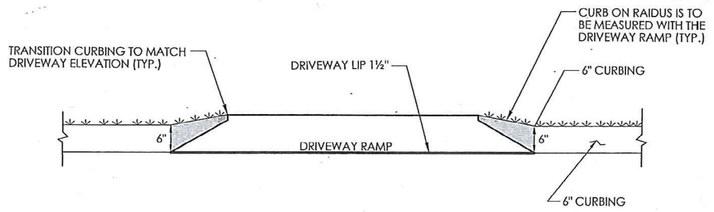
PLAN



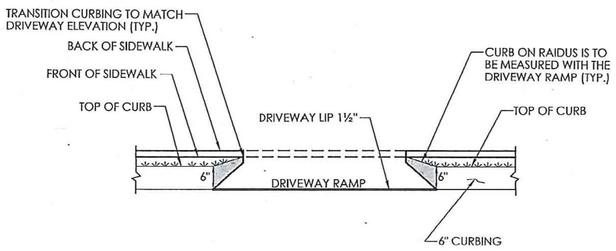
PLAN



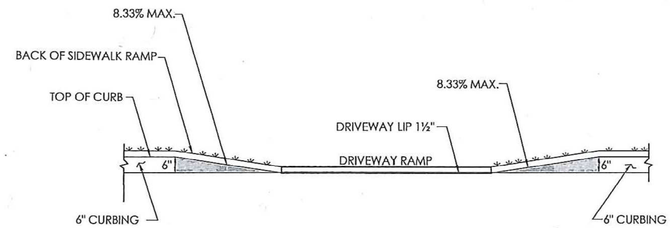
PLAN



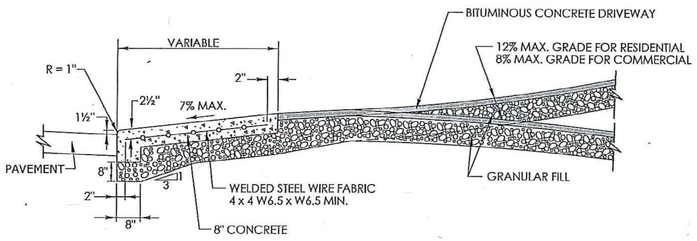
ELEVATION



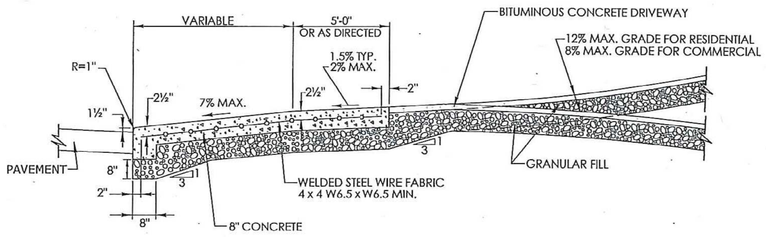
ELEVATION



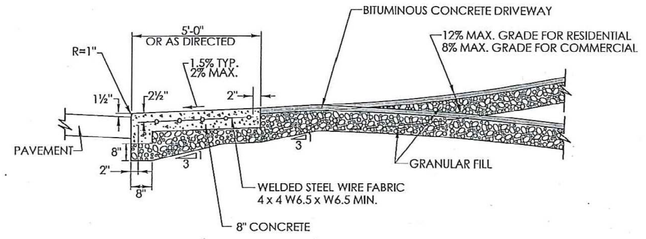
ELEVATION



SECTION A



SECTION B



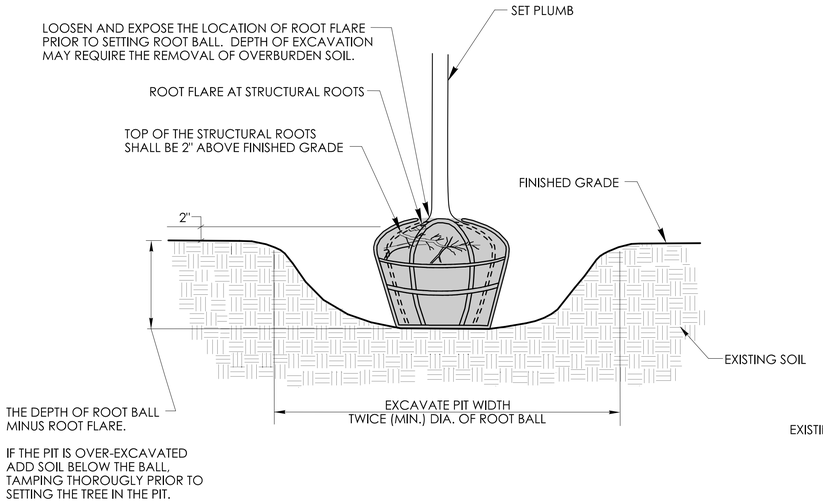
SECTION C

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2022.10.05 14:20:04-04'00'	APPROVED BY: Digitally signed by Calabrese, Michael Date: 2022.11.09 14:04:44-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CONCRETE DRIVEWAY RAMPS / STANDARD SHEET NO.: HW-924_01

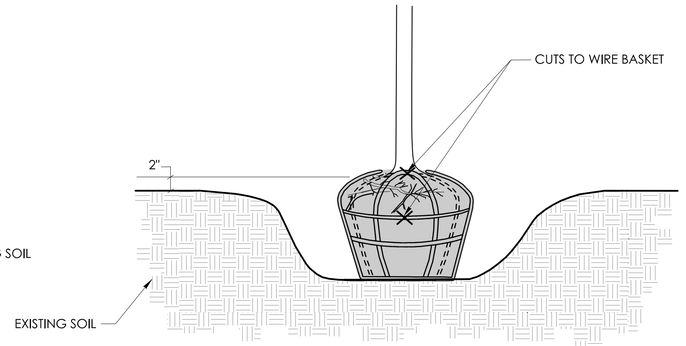
PLOTTED DATE: 10/5/2022

GENERAL NOTES:

1. ALL EXTERIOR PACKAGING MATERIAL APPLIED TO PLANTS SHALL BE REMOVED AFTER THE PLANT IS LOCATED IN THE PIT EXCAVATION. CUT AND REMOVE TWINE, BURLAP OR WIRE BASKETS FROM THE TOP TWO-THIRDS OF THE ROOT BALL.
2. PLANT MALUS SPECIES (DECIDUOUS APPLE TREES OR SHRUBS) DEEP ENOUGH IN PIT TO COVER THE GRAFT TO PREVENT SPROUTING FROM THE ROOT STOCK.

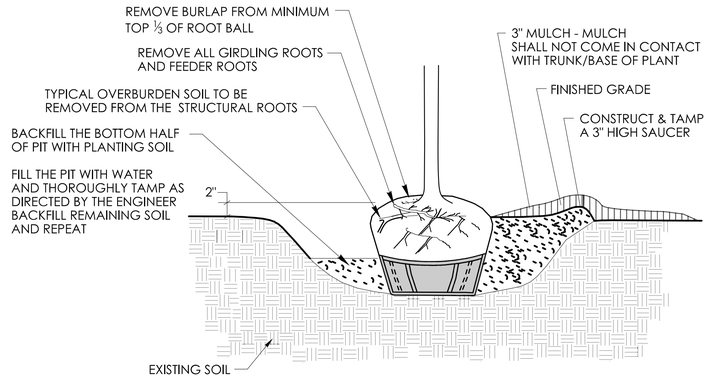


PIT EXCAVATION AND SETTING OF PLANTING

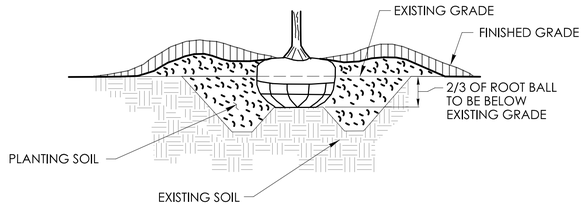


WIRE BASKET REMOVAL

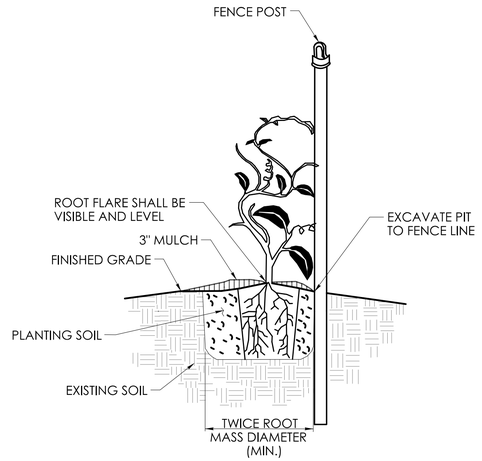
NOTE: IF WIRE BASKETS ARE USED, THE CONTRACTOR SHALL CUT ALL OF THE HORIZONTAL WIRES IN THE TOP ⅔ OF THE ROOT BALL AND BEND DOWN OR REMOVE THE TOP ⅓ OF THE WIRE BASKET



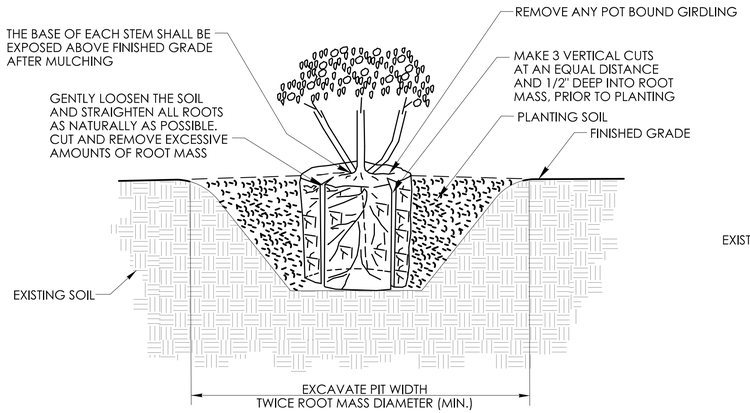
BACKFILL AND MULCH FOR PLANTING



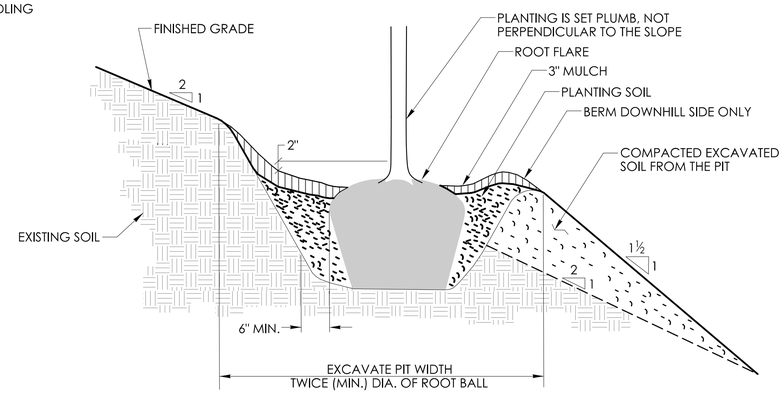
HEAVY CLAY PLANTINGS



VINE PLANTING



CONTAINER GROWN PLANTING



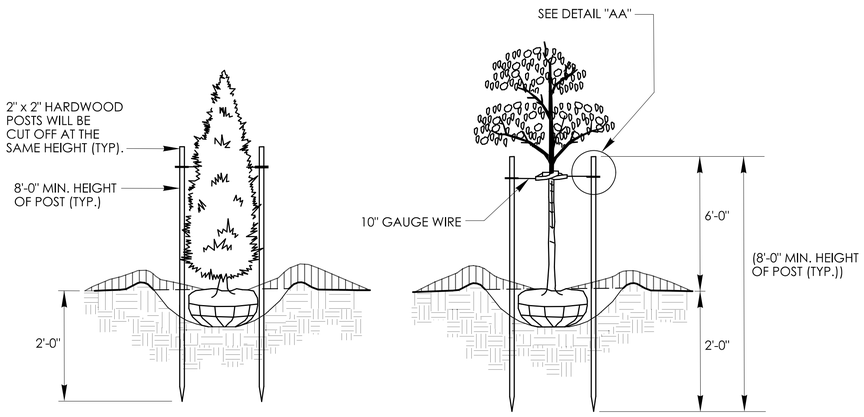
SLOPE PLANTING

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.19 15:09:41-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.29 22:52:12-05'00'	CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: LANDSCAPE PLANTING	STANDARD SHEET NO.: HW-949_01a

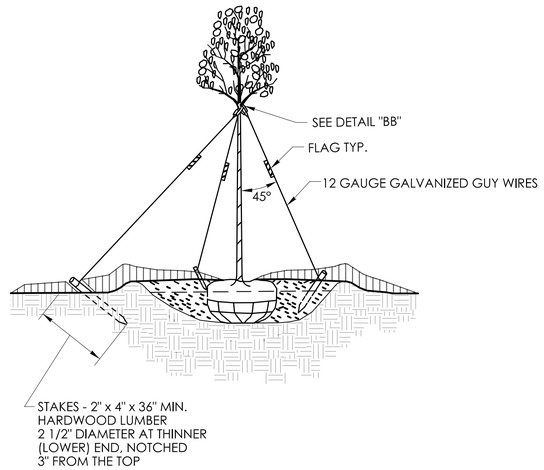
PLOTTED DATE: 10/23/2024

GENERAL NOTES:

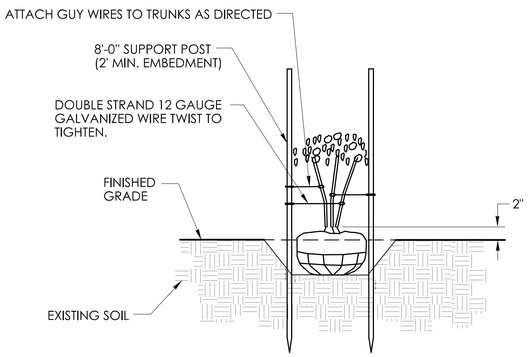
1. THE CONTRACTOR SHALL SUBMIT A STAKING PLAN FOR APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT THE USE OF ANY OTHER MATERIALS FOR APPROVAL.
3. USE 3 POSTS FOR STAKING TREES 3" CALIPER OR GREATER AND EVERGREEN TREES 8' HIGH OR GREATER
4. USE DOUBLE STRAND 12 GAUGE GALVANIZED GUY WIRE FOR DECIDUOUS TREES GREATER THAN OR EQUAL TO 3" CALIPER AND USE DOUBLE STRAND 10 GAUGE GALVANIZED GUY WIRE FOR EVERGREEN TREES GREATER THAN OR EQUAL TO 8" CALIPER



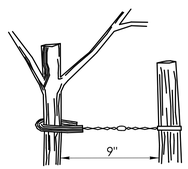
TWO STAKES



THREE GUYS AND STAKES



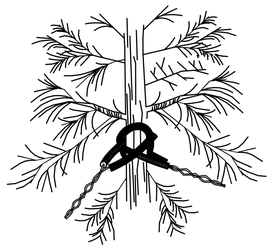
STAKING FOR MULTI-STEMMED TREES



DETAIL "AA"
POST AND GUY WIRE

ANCHOR TREE TO POST(S) USING GALVANIZED GUY WIRE AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK



DETAIL "BB"
GUY WIRES AROUND TRUNK

ANCHOR TREE TO STAKES USING GALVANIZED GUY WIRES AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.19 15:09:23-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.29 22:53:37-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TREE STAKING	STANDARD SHEET NO.: HW-949_01b

PLOTTED DATE: 10/23/2024

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # 2400730

****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:

APPOVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
TRAFFIC STANDARD SHEET INDEX

STANDARD SHEET NO.:
TR-STD_INDEX

DOCUMENT ALL LOOP DETECTOR VALUES BOTH CALCULATED AND MEASURED.

DEFINITIONS:

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

1: RESISTANCE:

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

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

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

2: LOOP CIRCUIT INDUCTANCE:

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

LOOP INDUCTANCE (ENGLISH)

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

LEAD-IN INDUCTANCE

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

LOOP INDUCTANCE (METRIC)

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

LEAD-IN INDUCTANCE

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

WHERE:

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

WHERE:

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

EXAMPLE: (IN ENGLISH)

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

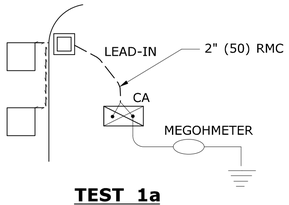
$L_{LOOP} = (24/4)(4^2 + 4)$
$L_{LOOP} = (6)(20)$
$L_{LOOP} = 120\,\mu h$

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

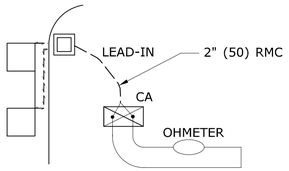
2b: MEASURE INDUCTANCE OF LOOP AND LEAD-IN AT CONTROLLER. USE INSTRUMENT DESIGNED TO MEASURE LOOP CIRCUIT INDUCTANCE.

3: POWER INTERRUPTION:

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



TEST 1a



TEST 1b

PROJECT:
TOWN: LOCATION:

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

LOOP CIRCUIT TEST DATA (EXAMPLE)

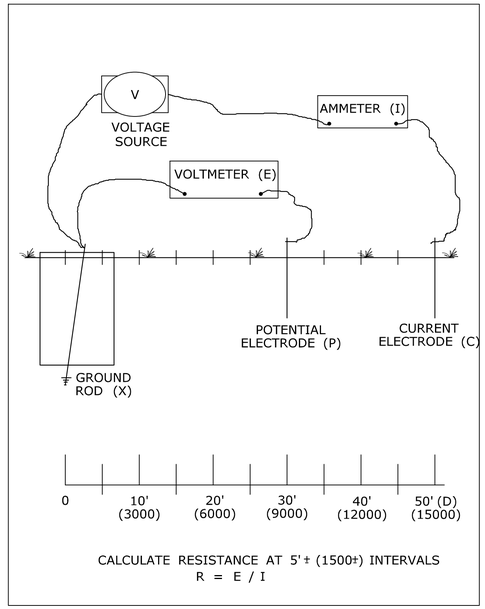
TEST PROCEDURE:

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

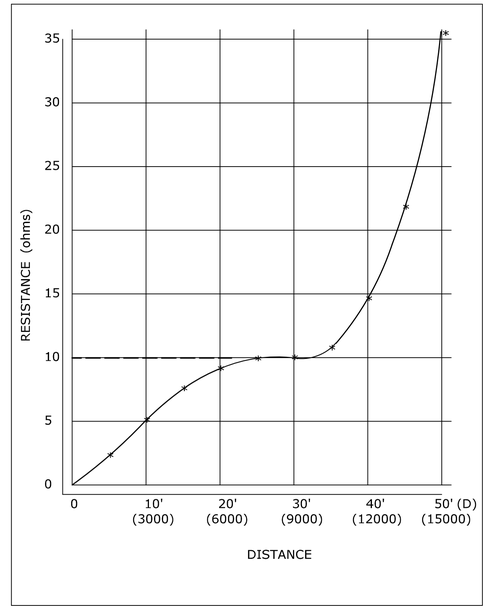
SUGGESTED CORRECTIVE ACTION:

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

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



3 POINT GROUND RESISTANCE TEST CIRCUIT



GROUND RESISTANCE CHART (EXAMPLE)

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

3 POINT FALL-OF-POTENTIAL GROUND RESISTANCE TEST

INDUCTIVE LOOP TEST PROCEDURE

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

DETECTOR AMPLIFIER PIN DESIGNATION

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

REV.	DATE	REVISION DESCRIPTION
2	1-2014	REVISED GROUND RESISTANCE NOTES.
1	4-2012	MINOR REVISIONS.

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

Plotted Date: 1/7/2014

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1000_01

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty 2014.01.07 16:11:26-05'00'

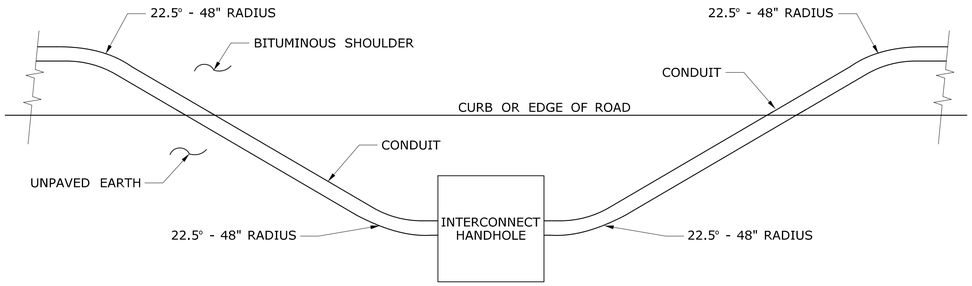
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Charles S. Harlow 2014.01.08 09:02:11-05'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
GENERAL CLAUSES (TEST PROCEDURES)

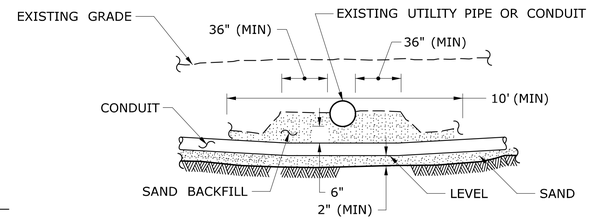
STANDARD SHEET NO.:
TR-1000_01



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

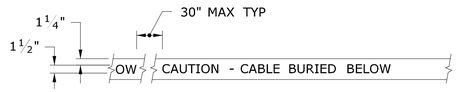
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.



CROSSING UNDER EXISTING UTILITY

NOTES:

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

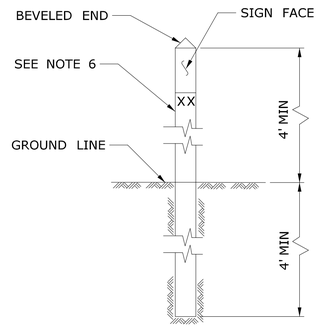


DETECTABLE WARNING TAPE

NOTE:

STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

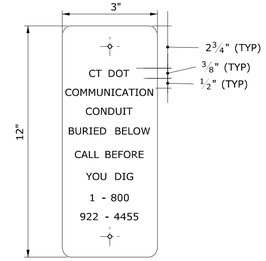
1. TAPE COLORS:
   COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
   POWER - RED BACKGROUND / BLACK LEGEND



INTERCONNECT CONDUIT IDENTIFICATION POST

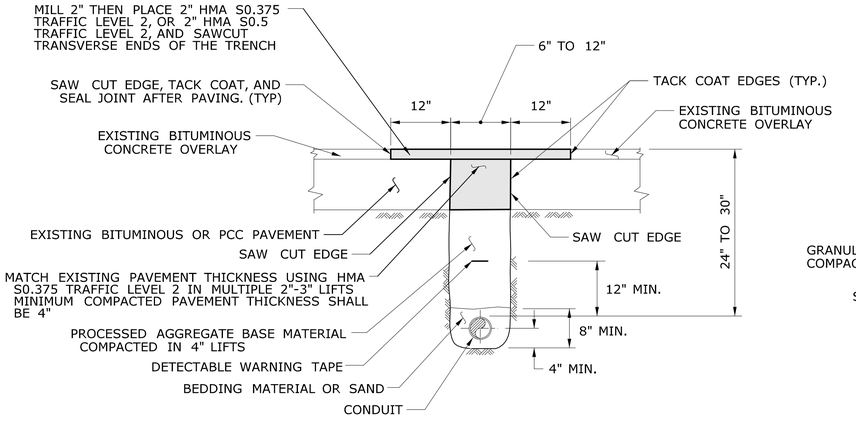
NOTES:

1. 4" x 4" NOMINAL, PRESSURE TREATED WOOD POST.
2. ATTACH SIGN TO POST WITH ¼" x 1¼" STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE)
   LEGEND - BLACK (OPAQUE).
4. INSTALL POST APPROX 24" FROM RMC IN VICINITY OF EACH INTERCONNECT HANDHOLE.
5. INSTALL ADDITIONAL POST(S) WHERE SPACING BETWEEN INTERCONNECT HANDHOLES IS GREATER THAN 1500' APART.
6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE IN FEET TO TRENCH CONTAINING COMMUNICATION CABLE. ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT.
7. IDENTIFICATION POSTS WITH SIGNS SHALL BE PAID UNDER THE COMMUNICATION CABLE ITEM.



SIGN FACE DETAIL

SIGN # 41-4669

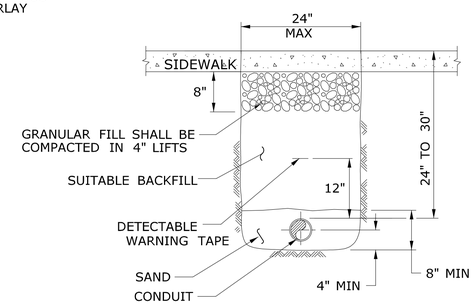


PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

NOTES:

STANDARD SPECIFICATION, SECTION 3.04 AND STANDARD SPECIFICATION, ARTICLE 4.06.03

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

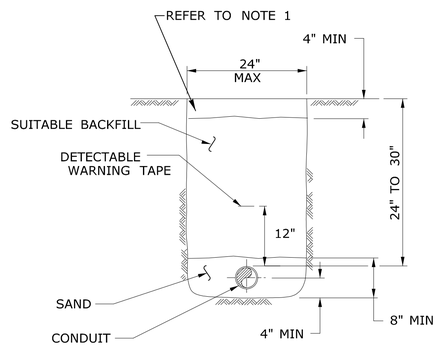


SIDEWALK

NOTES:

STANDARD SPECIFICATIONS, SECTIONS 9.21 & 9.22

1. WHERE CONCRETE SIDEWALK IS DAMAGED OR CUT, REPLACE THE ENTIRE SECTION BETWEEN JOINTS. REPLACEMENT SIDEWALK IS PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK".



EARTH

NOTES:

STANDARD SPECIFICATIONS, SECTION 9.50 OR SEEDING TYPE CALLED OUT ON THE PLANS.

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

GENERAL NOTES:

1. TOP OF CONDUIT AT LEAST 24" DEEP.
2. COMPACT BACKFILL IN ≤6" LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

———— PROPOSED RMC (RIGID METAL CONDUIT)

-•—•— EXISTING RMC (RIGID METAL CONDUIT)

NOT TO SCALE

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

SUBMITTED BY:
Lisa N. Conroy, P.E.
2024.01.23
08:17:40-05'00'

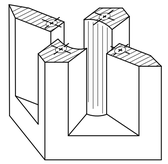
APPROVED BY:
Digitally signed by Matthew C. Blume, P.E., PTOE
Date: 2024.02.21 08:25:47-05'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

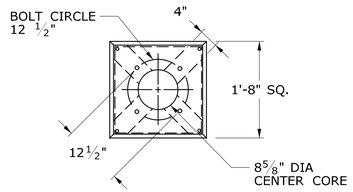
CTDOT STANDARD SHEET

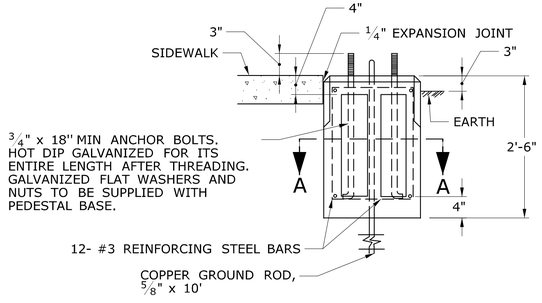
STANDARD SHEET TITLE:
TRENCHING & BACKFILLING, ELECTRICAL CONDUIT

STANDARD SHEET NO.:
TR-1001_01



PICTORIAL
SECTION A-A

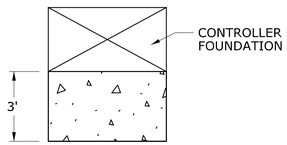




TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST

TRAFFFIC CONTROL FOUNDATION PEDESTAL TYPE I NOTES:

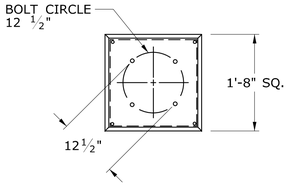
INSTALL FOUNDATION ON 12" OF COMPACTED GRANULAR FILL IN ACCORDANCE WITH SECTION 2.13
LEVEL FOUNDATION WITH A PROJECTION OF 3" ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: 5/8" X 10'
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED.
CONDUITS SHALL 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

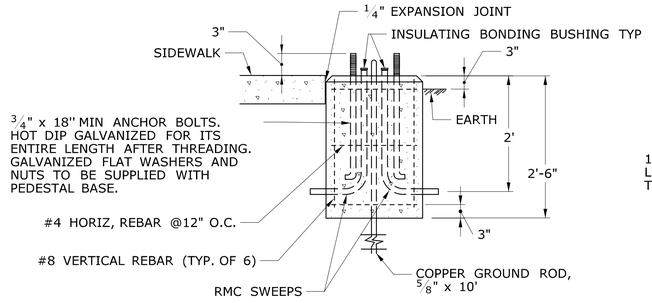


INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET DOOR SIDE OF CONTROLLER FOUNDATION.
PITCH SIDEWALK ¼" PER FOOT AWAY FROM THE CONTROLLER FOUNDATION.
REFER TO HIGHWAY STANDARD SHEET HW-921_01 FOR SIDEWALK CONSTRUCTION.

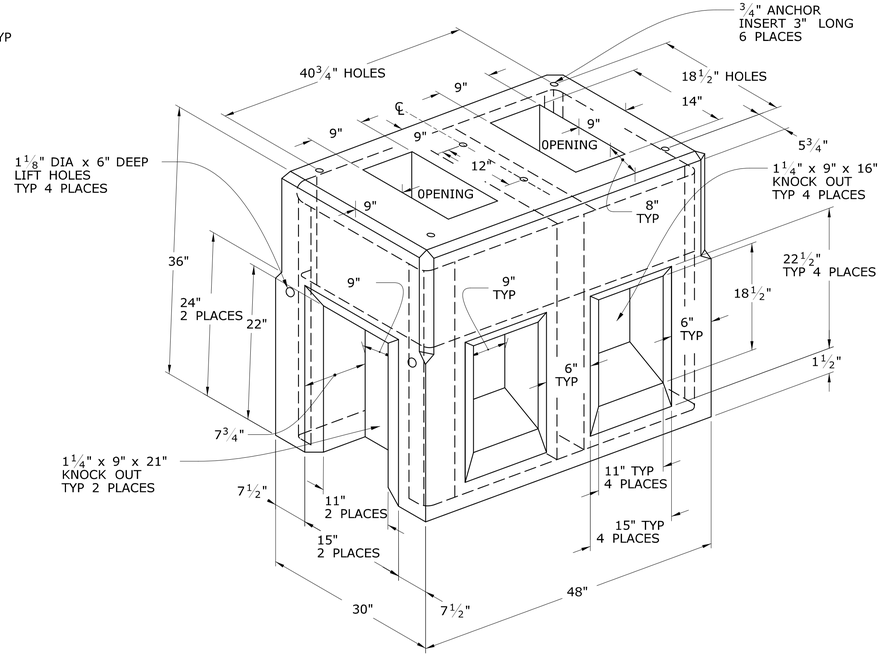
TYPICAL CONCRETE SIDEWALK
AT CONTROLLER FOUNDATION

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'

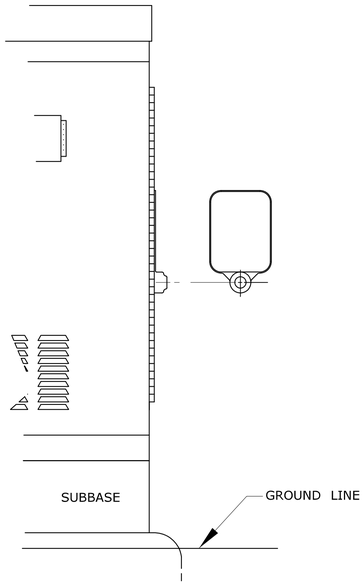
APPROVED BY:
Digitally signed by Matthew C. Blume, P.E., PTOE
Date: 2024.02.21 08:18:37-05'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

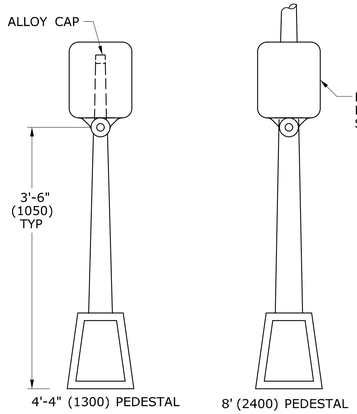
CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
TRAFFIC CONTROL FOUNDATIONS

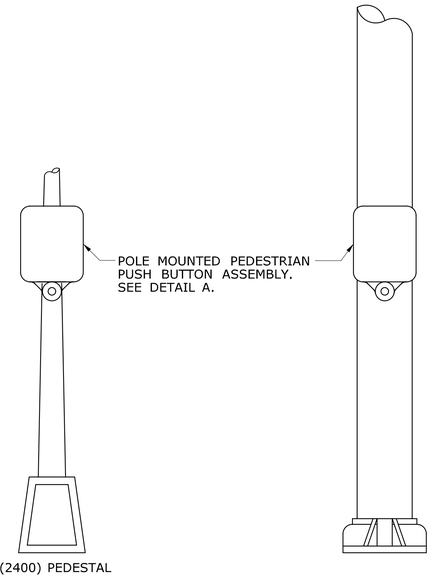
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TR-1002_01



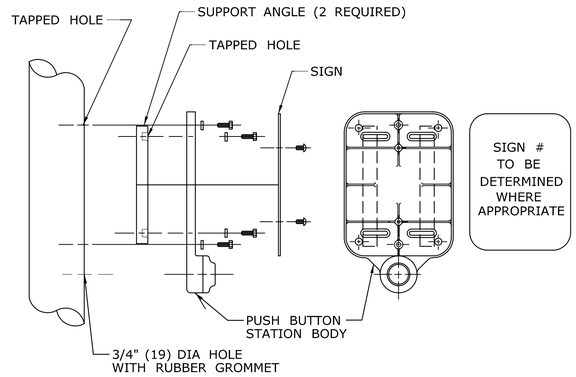
SURFACE MOUNTED



PEDESTAL MOUNTED



SPAN POLE/MAST ARM MOUNTED



DETAIL A



SIGN # 31-0833
USE APPROPRIATE LEFT OR RIGHT ARROW

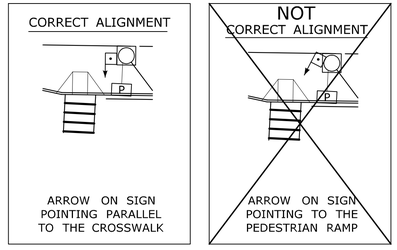


SIGN # 31-0835

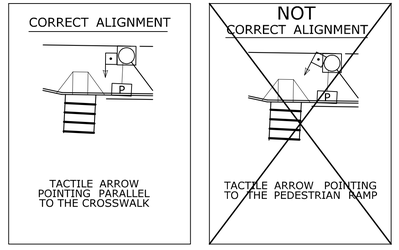
FOR CROSSING WITH SIDE STREET GREEN

GENERAL NOTES:

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

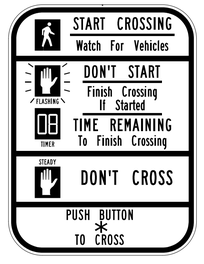


PEDESTRIAN PUSH BUTTON ALIGNMENT



ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR

EXAMPLE ALIGNMENTS FOR EXCLUSIVE PEDESTRIAN PHASE



*USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

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

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

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

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

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: 8/9/2018

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty, P.E.
2018.08.16 12:13:35-04'00'

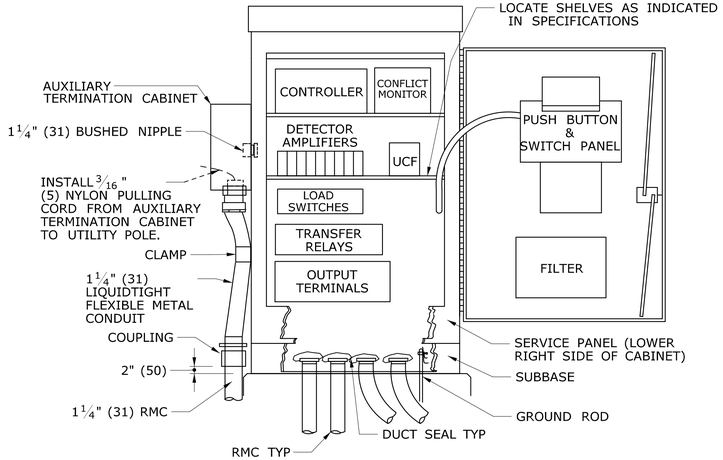
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Mark F. Carlino, P.E.
2018.08.21 07:46:57-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

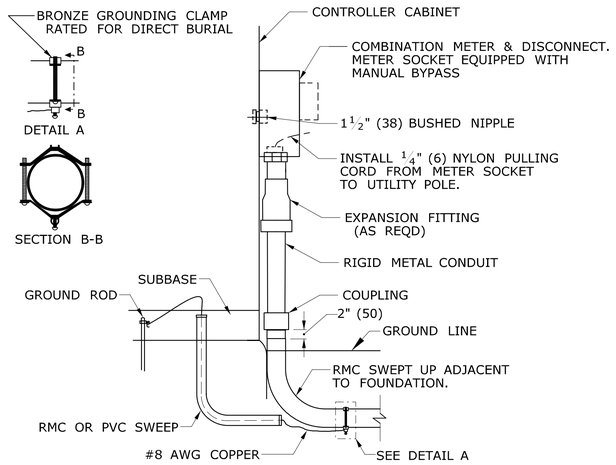
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PEDESTRIAN PUSH BUTTONS

STANDARD SHEET NO.:
TR-1107_01

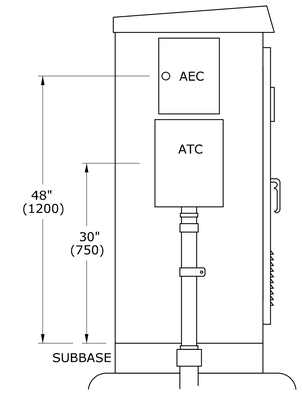


PROVIDE A MINIMUM CLEARANCE OF 6" (150) FROM THE CABINET BASE TO ALL COMPONENTS AND TERMINALS.

TYPICAL BASE MOUNTED CONTROLLER ON TYPE IV FOUNDATION

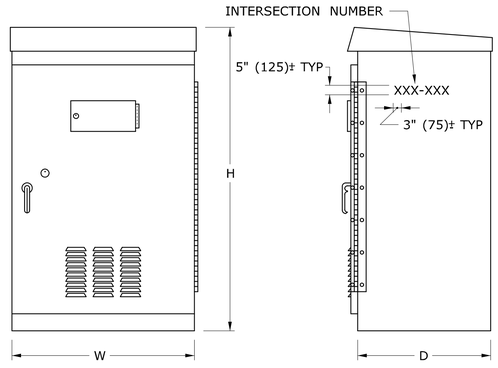


CONTROLLER CABINET WITH METERED SERVICE



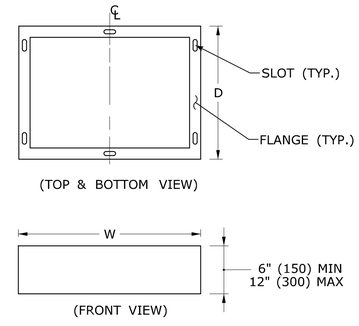
AUXILIARY EQUIPMENT CABINET (AEC)
AUXILIARY TERMINATION CABINET (ATC)

CABINET TYPE	HEIGHT	WIDTH	DEPTH
ATC	16"(400)	12"(300)	6"(150)
AEC	14"(350)	11"(275)	11"(275)



BASE MOUNTED TRAFFIC CONTROLLER (TYPE B, D & E)

CABINET TYPE	DEPTH		WIDTH		HEIGHT	
	MIN	MAX	MIN	MAX	MIN	MAX
B	17" (425)	19" (475)	30" (750)	34" (850)	52" (1300)	56" (1400)
D	25" (625)	27" (675)	42" (1050)	45" (1125)	54" (1350)	59" (1475)
E	17" (425)	19" (475)	30" (750)	32" (800)	49" (1225)	52" (1300)



SUBBASE

SLOT AND FLANGE DIMENSIONS TO BE PER MANUFACTURER.

GENERAL NOTES:

GROUT ALL BASES AFTER MOUNTING ON FOUNDATIONS, WHERE NECESSARY.
3'-0" (900) FROM SIDEWALK TO BOTTOM OF CONTROLLER.
INSTALL PEDESTALS AND POLES SO THAT DOORS AND COVERS ARE ON THE SIDE AWAY FROM THE STREET, UNLESS OTHERWISE SPECIFIED.
INSTALL CABINET SO THAT DOOR OPENS FIELD SIDE UNLESS OTHERWISE NOTED ON PLANS.
CAULK SEAM BETWEEN SUBBASE AND FOUNDATION.
STENCIL SIX DIGIT INTERSECTION NUMBER, USING BLACK PAINT ON SIDE, FRONT OR BACK OF CABINET MOST VISIBLE FROM THE ROAD.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- CONTROLLER ASSEMBLY
- AUXILIARY EQUIPMENT CABINET
- AUXILIARY TERMINTION CABINET

REV.	DATE	REVISION DESCRIPTION
2	5-2013	REVISED SUBBASE.
1	4-2012	REVISED CABINET TYPES & MINOR REVISIONS.

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Plotted Date: 5/15/2013

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

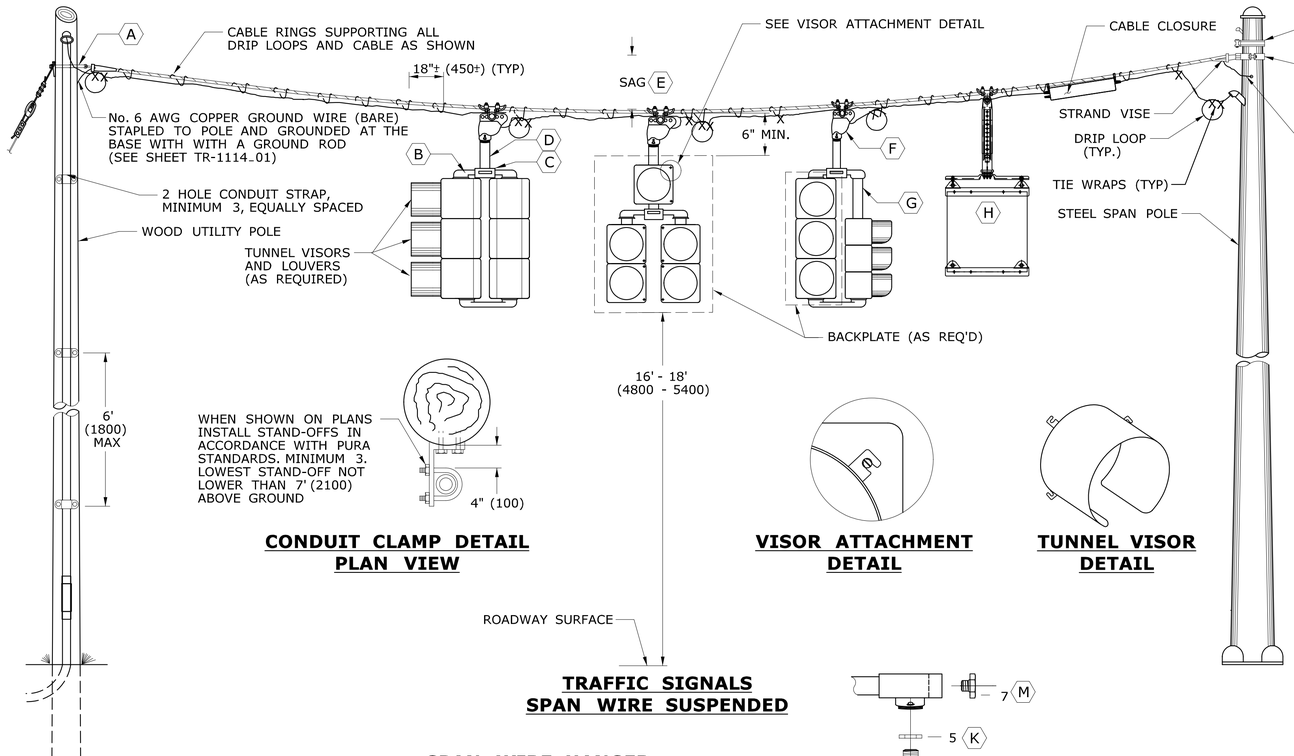
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Tracy L. Fogarty 2013.07.29 14:04:24-04'00'
APPROVED BY: NAME/DATE/TIME:
Charles S. Harlow 2013.07.29 14:59:45-04'00'

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CONTROLLERS

STANDARD SHEET NO.:
TR-1108_01



CONDUIT CLAMP DETAIL PLAN VIEW

WHEN SHOWN ON PLANS INSTALL STAND-OFFS IN ACCORDANCE WITH PURA STANDARDS. MINIMUM 3. LOWEST STAND-OFF NOT LOWER THAN 7' (2100) ABOVE GROUND

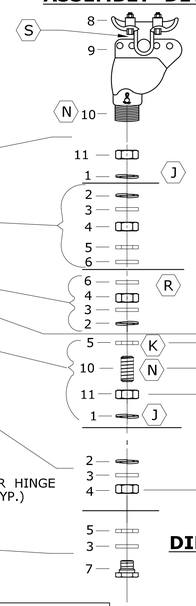
4" (100)

VISOR ATTACHMENT DETAIL

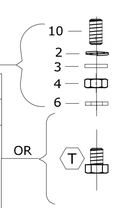
TUNNEL VISOR DETAIL

TRAFFIC SIGNALS SPAN WIRE SUSPENDED

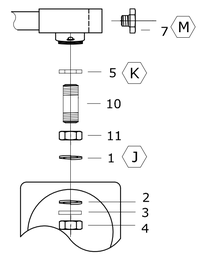
SPAN WIRE HANGER ASSEMBLY DETAIL



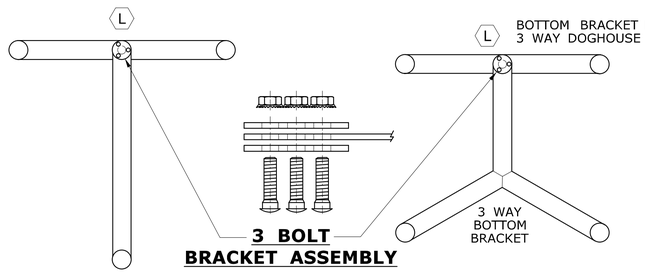
UPPER CENTER SUPPORT DETAIL



DIRECT ASSEMBLY DETAIL



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



3 BOLT BRACKET ASSEMBLY

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:
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- UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

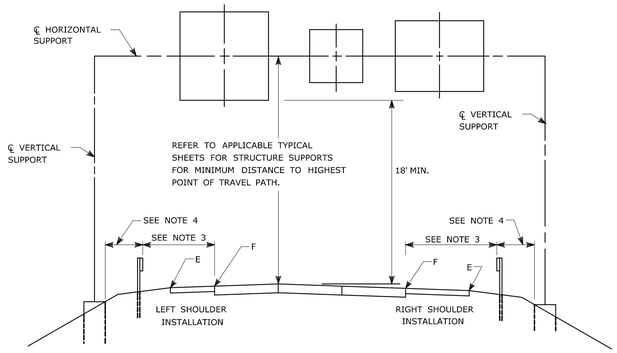
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APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E. 2018.08.21 07:46:03-04'00'

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
TRAFFIC SIGNALS & CABLE ASSIGNMENTS

STANDARD SHEET NO.:
TR-1105_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.

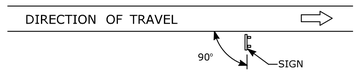


DIAGRAM "A"

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.

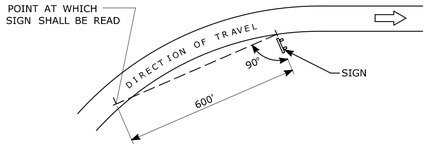
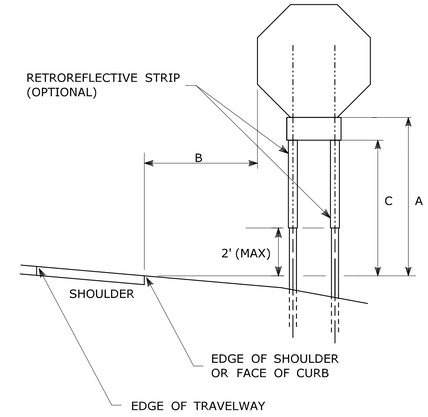
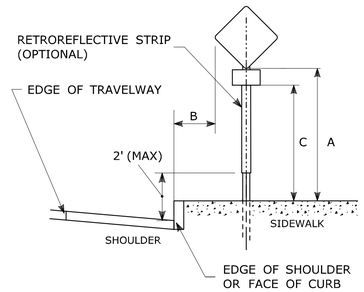
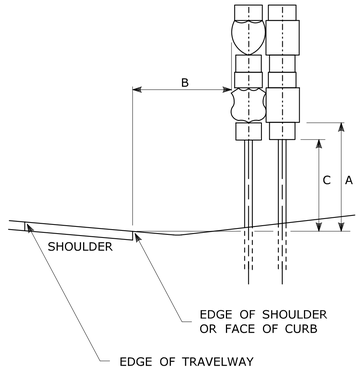


DIAGRAM "B"

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

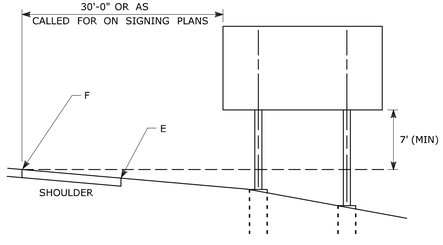
① OR AS DIRECTED BY THE ENGINEER

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.



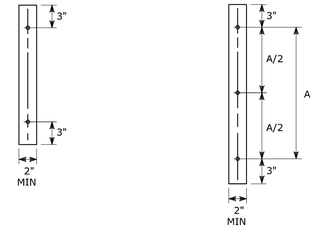
TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

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.

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_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

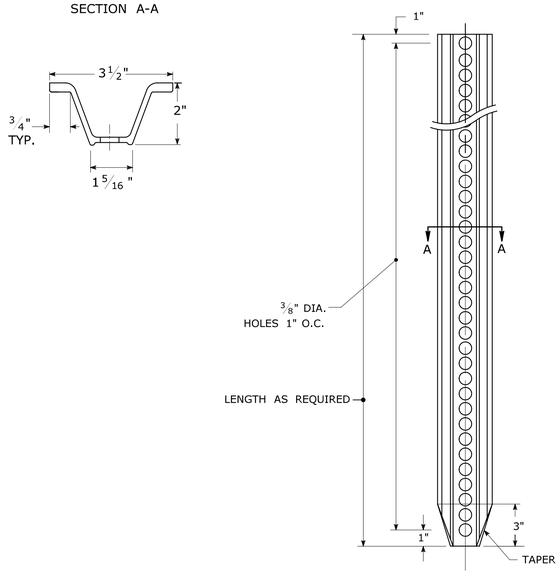
STANDARD SHEET TITLE:

SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

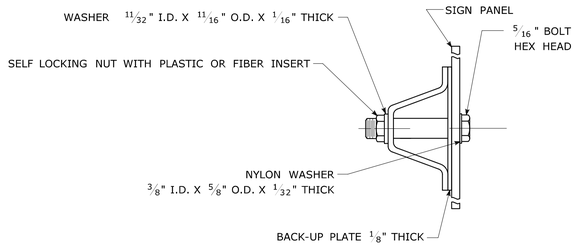
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TR-1208_01

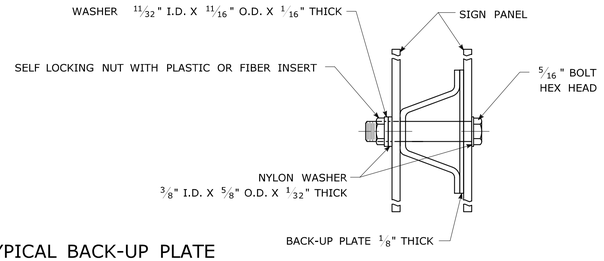
TYPICAL METAL SIGN POSTS



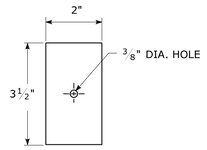
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



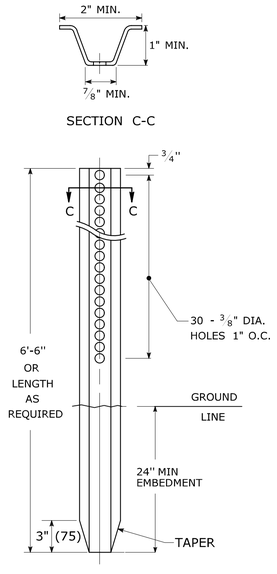
TYPICAL BACK-UP PLATE



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.

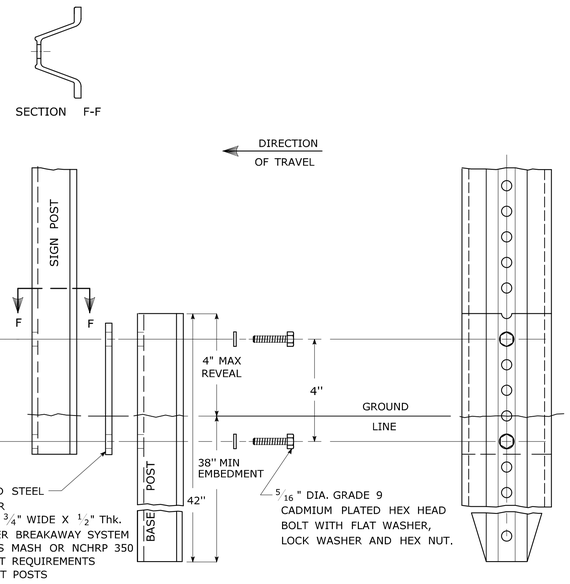


GENERAL NOTES:

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

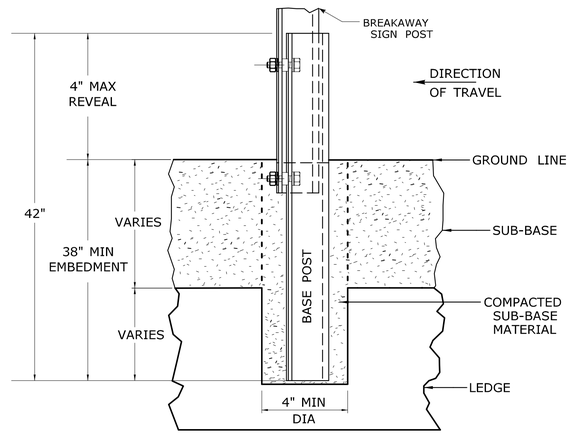
FOR 4 LBS./FT. POSTS



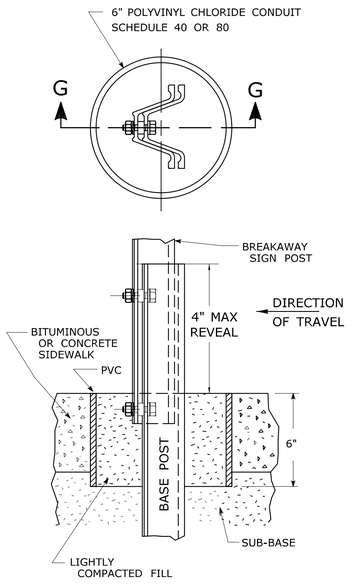
TYPICAL SIGN POST INSTALLATION IN LEDGE

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

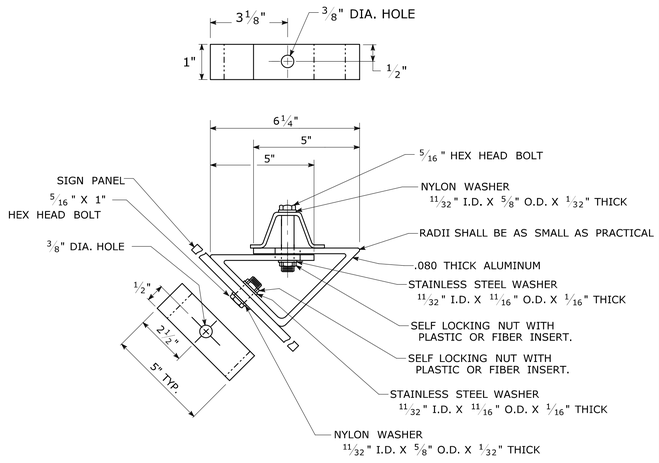
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



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.

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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

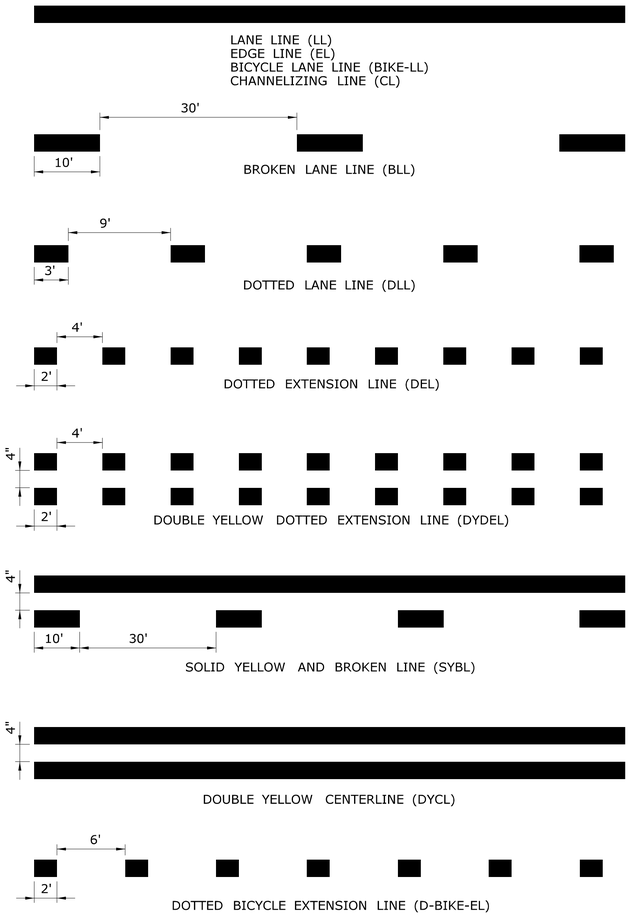
OFFICE OF ENGINEERING

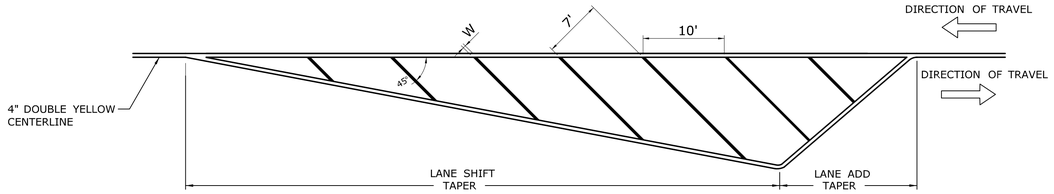
STANDARD SHEET TITLE:

METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

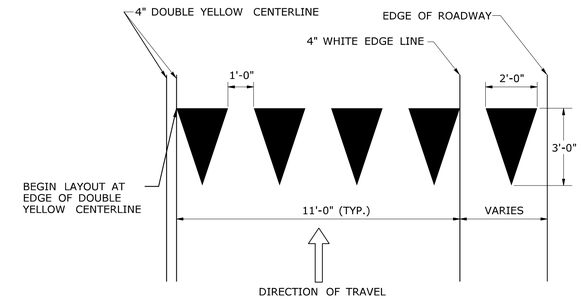
TR-1208_02



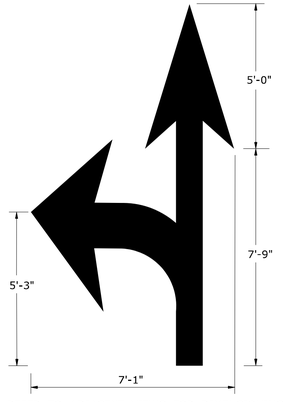


CROSS HATCHED ISLAND DETAIL
(YELLOW)

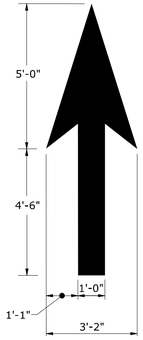
W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS



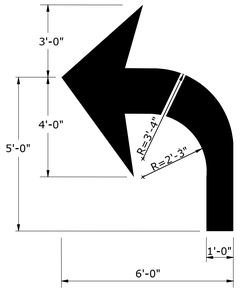
YIELD LINE DETAIL
(WHITE)



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



12.5 S.F.



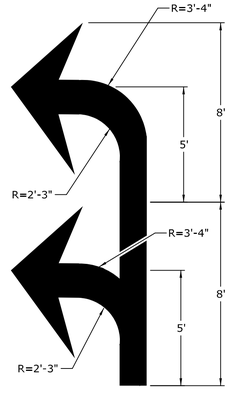
15.5 S.F.



27.0 S.F.
LEFT & RIGHT
ARROW COMBO

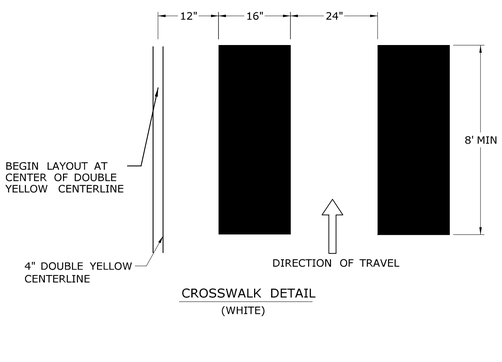


38.5 S.F.
3 WAY ARROW
COMBO



35 S.F.
DOUBLE LEFT
ARROW

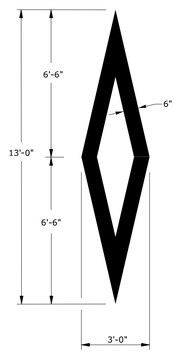
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



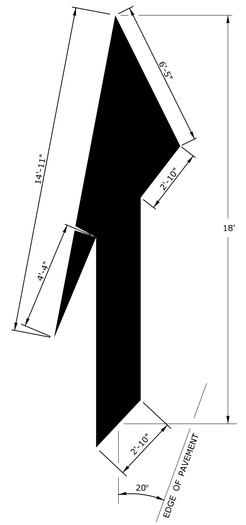
CROSSWALK DETAIL
(WHITE)

NOTES :

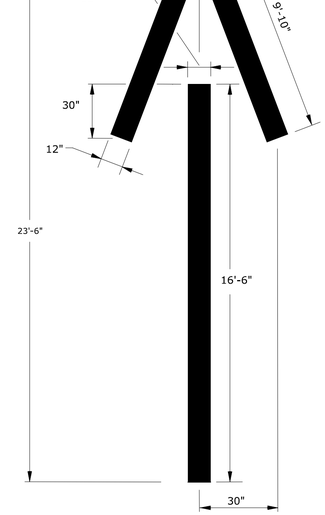
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.



WHITE PREFERENTIAL
LANE SYMBOL
13.0 S.F.



WHITE LANE
REDUCTION ARROW
41.8 S.F.



WHITE WRONG WAY
PAVEMENT ARROW
36.2 S.F.

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

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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

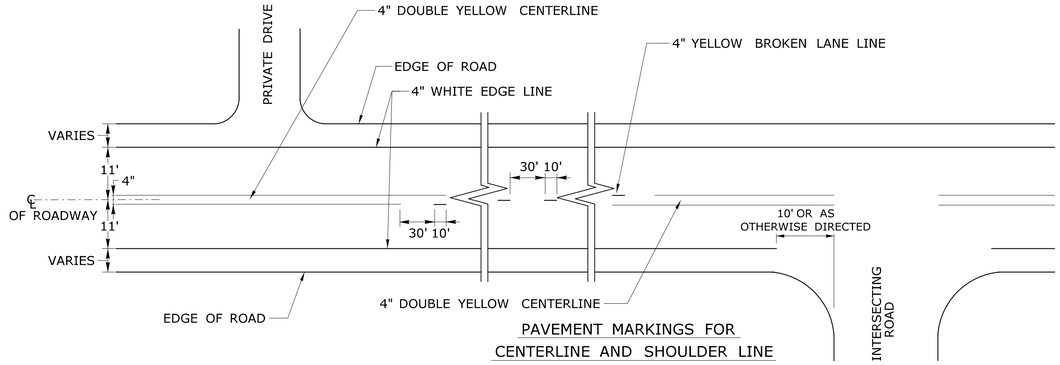
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

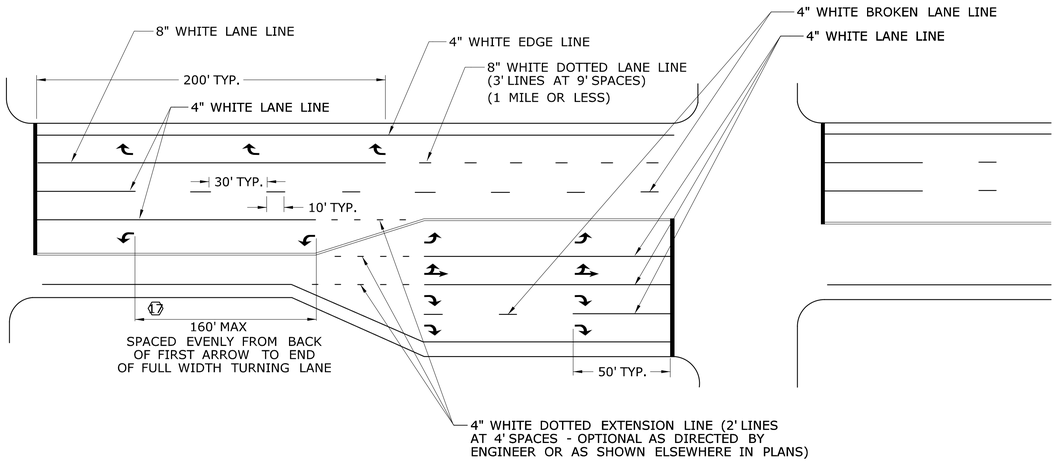
PAVEMENT MARKING LINES AND SYMBOLS

STANDARD SHEET NO.:

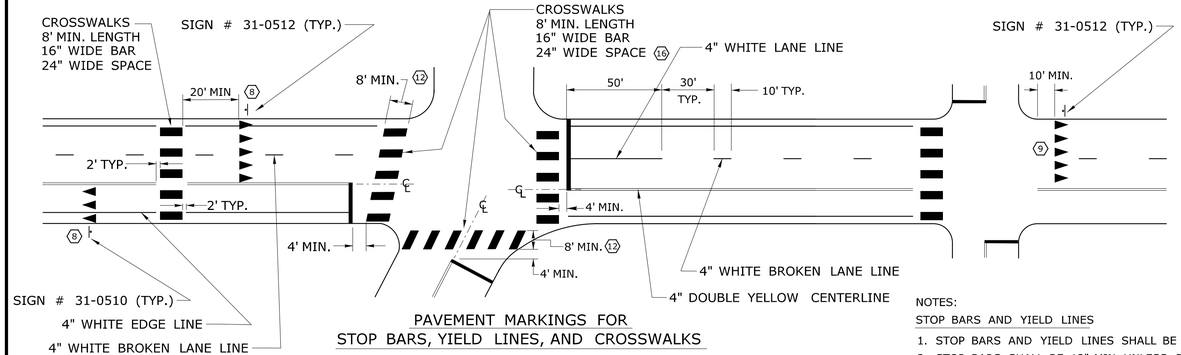
TR-1210_04



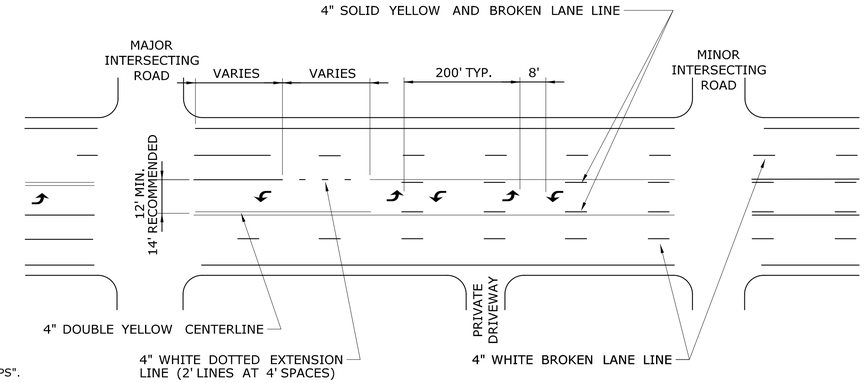
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



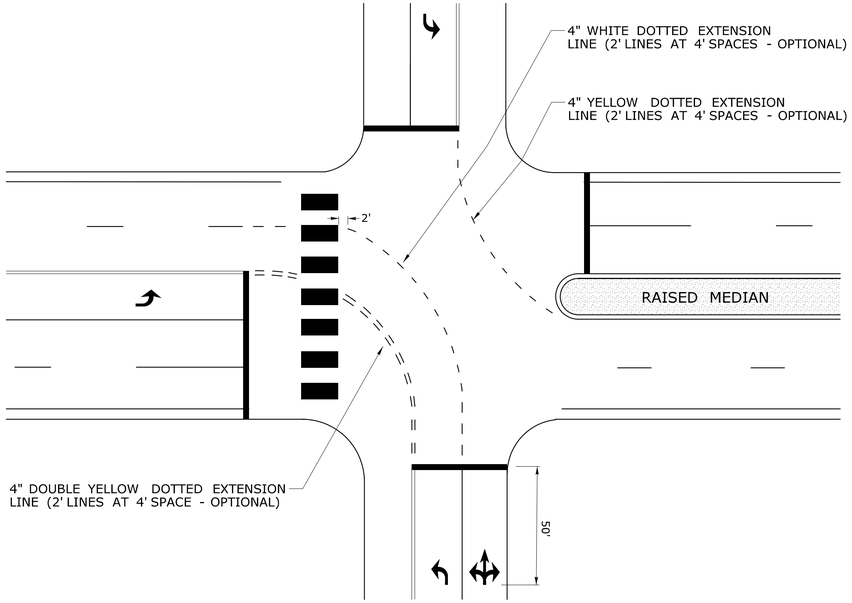
PAVEMENT MARKINGS FOR TURNING LANES
AND ROAD LANE-DROP



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS



TWO-WAY LEFT-TURN MARKINGS APPLICATIONS



TURNING EXTENSIONS

NOTES:

STOP BARS AND YIELD LINES

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

⑧ MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS 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.

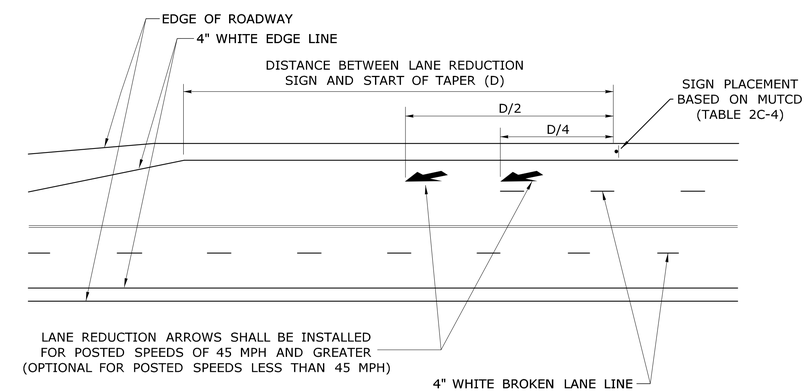
⑫ AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

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.



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'

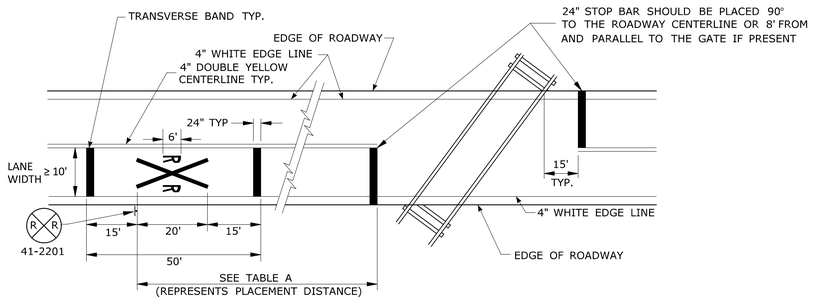
CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

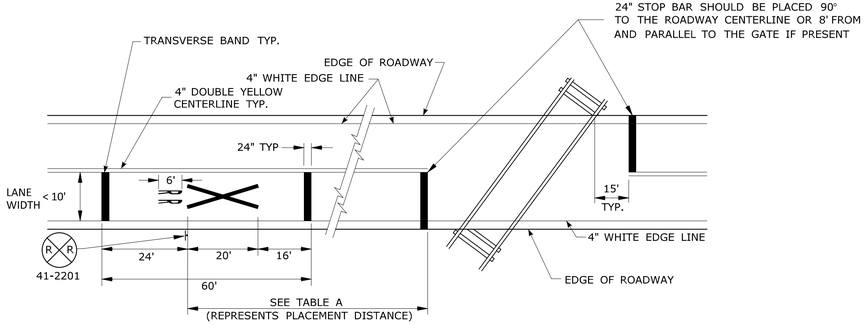
STANDARD SHEET TITLE:
PAVEMENT MARKINGS
FOR NON FREEWAYS

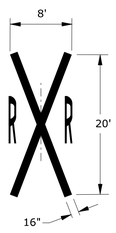
STANDARD SHEET NO.:
TR-1210_08

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

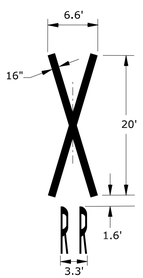


TYPICAL RAILROAD GRADE CROSSING DETAIL (LANE WIDTH < 10')

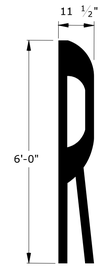




67.5 S.F.



67.5 S.F.



5.75 S.F.

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

NOTES:

GENERAL:

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

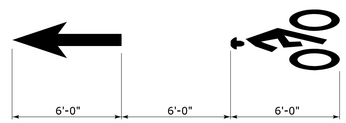
RAILROAD GRADE CROSSINGS:

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

PARKING STALLS:

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

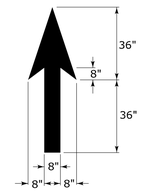
TYPICAL LONGITUDINAL SPACING



BICYCLE LANE SYMBOL MARKINGS

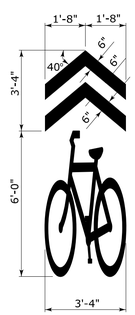


5.8 S.F.



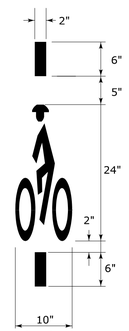
4.7 S.F.

SHARED LANE SYMBOL MARKING



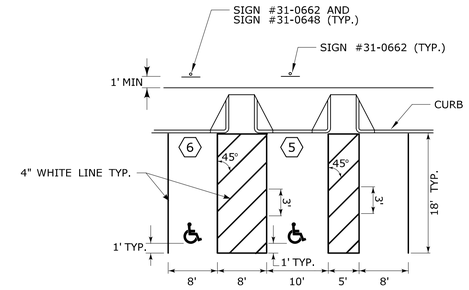
9.7 S.F.

BICYCLE DETECTOR SYMBOL MARKING

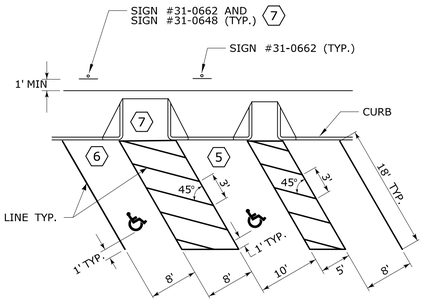


0.7 S.F.

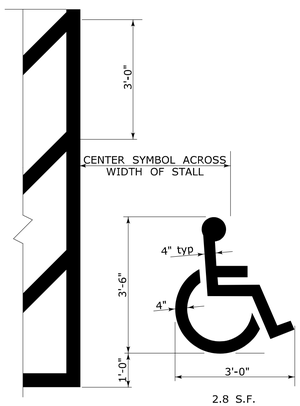
TYPICAL PERPENDICULAR PARKING STALLS DETAIL



TYPICAL ANGLE PARKING STALLS DETAIL



ACCESSIBLE PARKING SPACE SYMBOL



2.8 S.F.

REV.	DATE	REVISION DESCRIPTION

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Plotted Date: 4/3/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_09.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:
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

EXIT

COPY & BORDER - WHITE
BACKGROUND - GREEN

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

16 - SERIES

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

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

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

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

G20 - SERIES

G20-2a

END
ROAD WORK

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

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

VARIABLE MILEAGE

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

WORK AREA
BE PREPARED
TO STOP

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

NEXT 0 MILES

VARIABLE MILEAGE

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

BUSINESS
ACCESS

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

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

M4 - SERIES

M4-8

DETOUR

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

M4-8a

END
DETOUR

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

M4-10

(R) DETOUR
(L) DETOUR

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

DETOUR

VARIABLE ARROW

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

M4-9b

DETOUR

VARIABLE ARROW

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

M4-9b

DETOUR

VARIABLE ARROW

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

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

STAY
IN
LANE

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

STOP

COPY & BORDER - WHITE
BACKGROUND - RED

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

R1-2

YIELD

COPY & BORDER - RED
BACKGROUND - WHITE

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

R9 & R11 - SERIES

R9-9

SIDEWALK
CLOSED

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3a

ROAD CLOSED
00 MILES AHEAD
LOCAL TRAFFIC ONLY

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9-11

SIDEWALK CLOSED
AHEAD
CROSS HERE

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3b

BRIDGE CLOSED
00 MILES AHEAD
LOCAL TRAFFIC ONLY

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9-11a

SIDEWALK CLOSED
CROSS HERE

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-3b

ROAD CLOSED
TO
THRU TRAFFIC

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R11-2

ROAD
CLOSED

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

ROAD WORK
AHEAD
FINES
DOUBLED

COPY & BORDER - BLACK
BACKGROUND - WHITE

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

W1 - SERIES

W1-4

(L) (R)

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

W1-6

(L or R)

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

W1-8

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

BOTH LANES SHIFT LEFT AHEAD (L)
BOTH LANES SHIFT RIGHT AHEAD (R)

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

BOTH LANES SHIFT LEFT (L)
BOTH LANES SHIFT RIGHT (R)

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

AHEAD (L) AHEAD (R)

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

W1-4b

(L) (R)

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

AHEAD (L) AHEAD (R)

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

W1-4c

(L) (R)

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

(L) (R)

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

W6-3

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

W8-W9 - SERIES

W8-1

BUMP

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

BUMP
AHEAD

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

W9-2

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

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

W13 - SERIES

W13-1

00
M.P.H.

SUBPLATE
VARIABLE SPEED

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

REDUCE
SPEED TO
00 MPH

VARIABLE SPEED

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

W3-5

SPEED LIMIT
00

VARIABLE SPEED

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

W16 - SERIES

W16-15P

NEW

COPY & BORDER - BLACK
BACKGROUND - ORANGE

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

W20 - SERIES

W20-1

ROAD
WORK
AHEAD

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

W20-1

ROAD
WORK
0000 FT

VARIABLE DISTANCE

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

W20-2

DETOUR
1000 FT

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

ONE LANE
ROAD
AHEAD

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

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

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

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

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

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

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

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

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

W20-7a

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

SLOW MOVING
TRUCKS AHEAD

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

W16-9P

AHEAD

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

W16-3aP

1 MILE

VARIABLE MILEAGE

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

W21 - SERIES

W21-6

SURVEY
CREW

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

W22 - SERIES

W22-1

BLASTING
ZONE
1000 FT

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

W22-2

TURN OFF
2-WAY RADIO
AND
CELL PHONE

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

W22-3

END
BLASTING
ZONE

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

(VARIABLE LEGEND)

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

BLANK OR
VARIABLE LEGEND

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

USE
SHOULDER

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

(VARIABLE LEGEND)

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

SHOULDER CLOSED AHEAD (1) SHOULDER CLOSED (2)

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

STOP-SLOW PADDLE

SIDE A: STOP
SIDE B: SLOW

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

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.25	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

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2018.08.17
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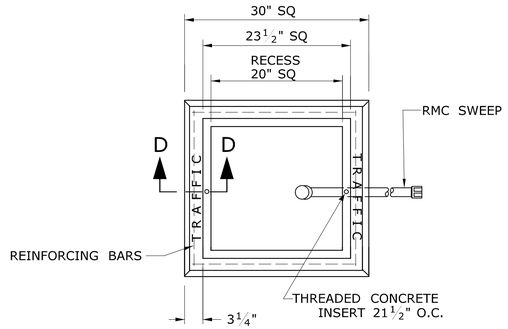
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CTDOT
STANDARD SHEET

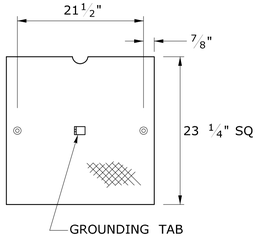
OFFICE OF ENGINEERING

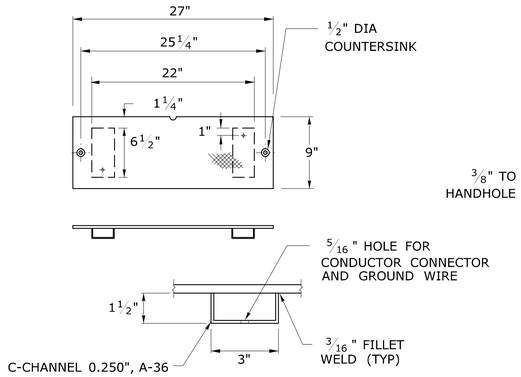
STANDARD SHEET TITLE:
SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:
TR-1220_01

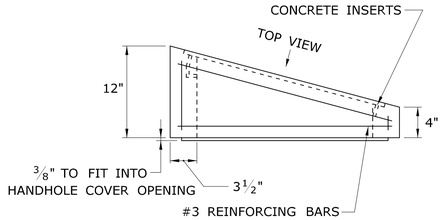


PLAN VIEW

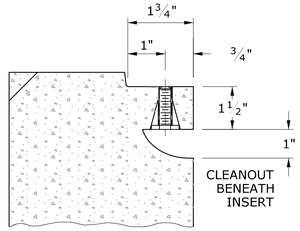




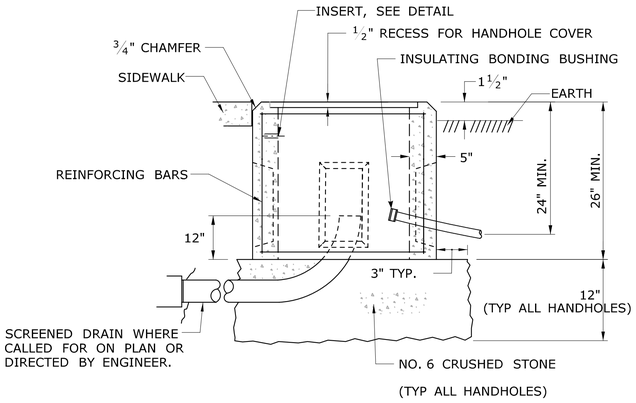
GALVANIZED, NON-SKID 3/8" FLOOR PLATE STEEL HANDHOLE COVERS



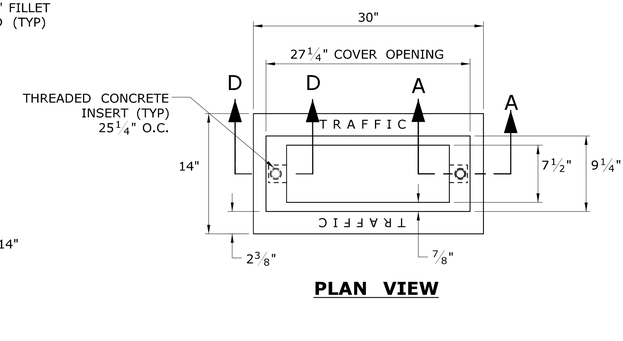
BANK ADADPTER



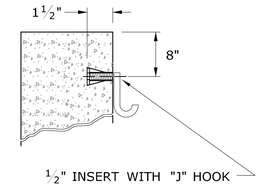
SECTION D-D



CONCRETE HANDHOLE TYPE I

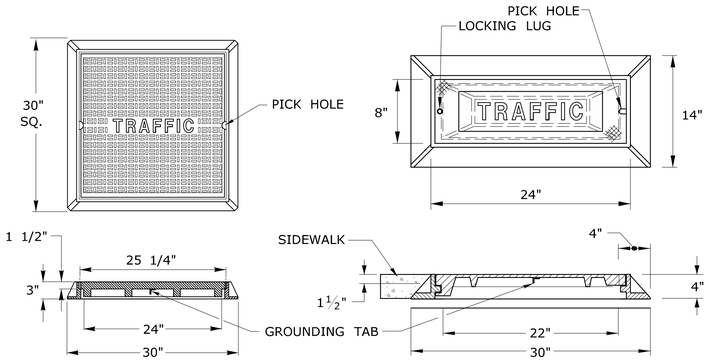


PLAN VIEW

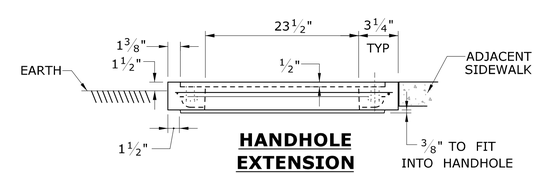


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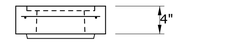
TYP IN TWO PLACES FOR ALL HANDHOLES



CAST IRON HANDHOLE COVERS

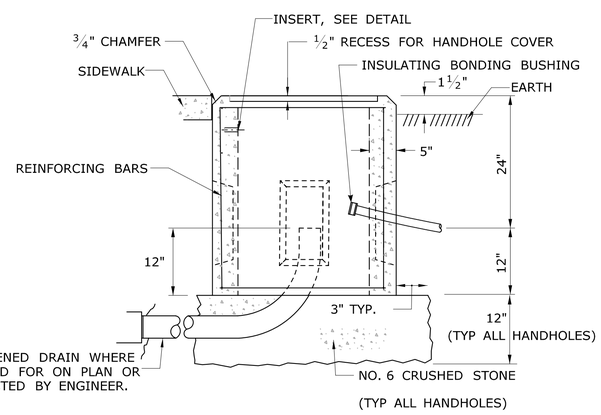


HANDHOLE EXTENSION

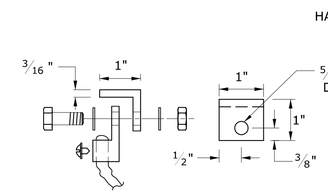


HANDHOLE EXTENSION

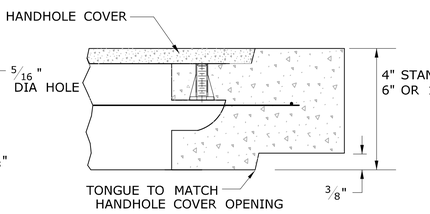
SIDE VIEW



CONCRETE HANDHOLE TYPE I FOR SPLICING INTERCONNECT

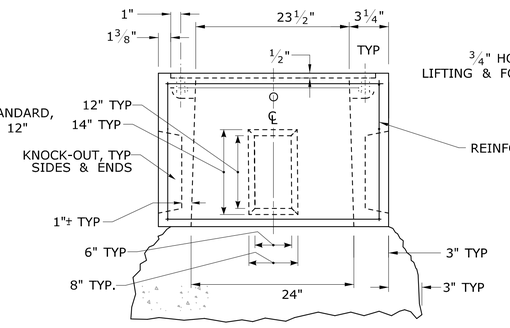


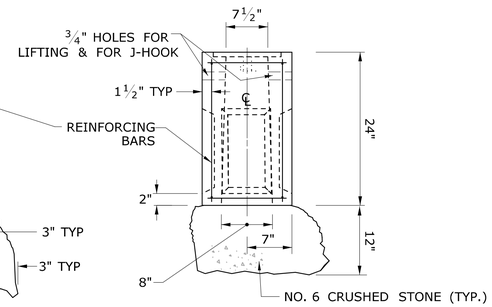
STEEL GROUNDING TAB w/ CONDUCTOR CONNECTOR



SECTION A-A HANDHOLE EXTENSIONS

4 - #8 REINFORCING BARS REQ'D





BASE SECTION
CONCRETE HANDHOLE TYPE II

COVER NOTES:

1. GROUNDING TAB WELDED TO BOTTOM CENTER OF COVER WITH 3/16" WELD (3 SIDES).
2. ATTACH 6' LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH CONDUCTOR CONNECTOR, 1/4" - 20 X 3/4" 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: 3/8"-16, 1 1/2"L, STAINLESS STEEL.
5. COVER SCREW: 3/8"-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, 1 1/2" 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'

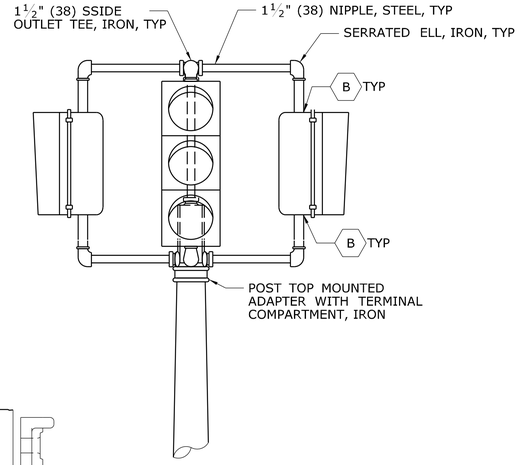
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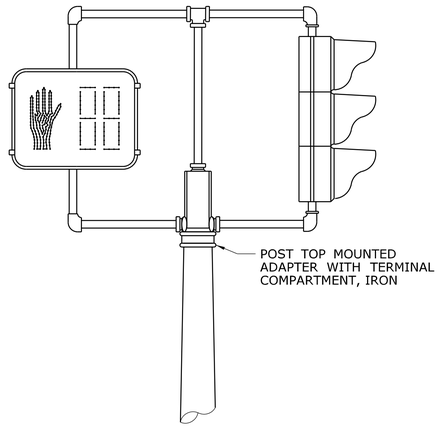
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

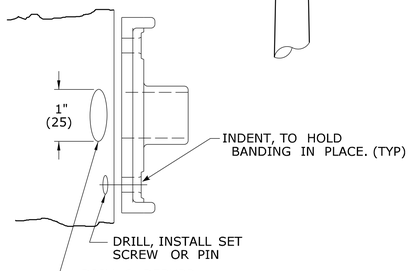
CTDOT STANDARD SHEET

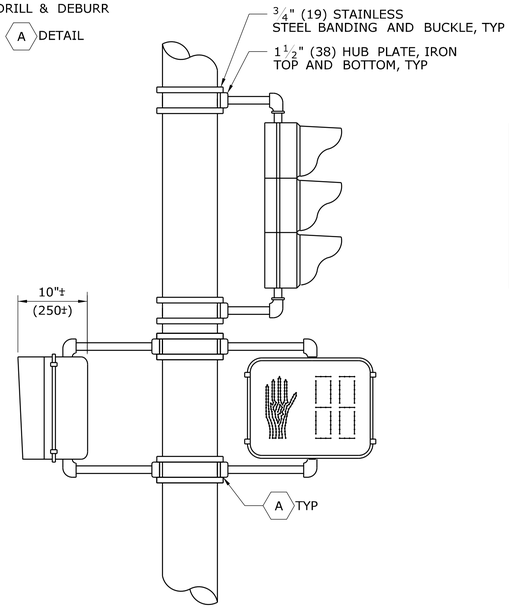
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CONCRETE HANDHOLE

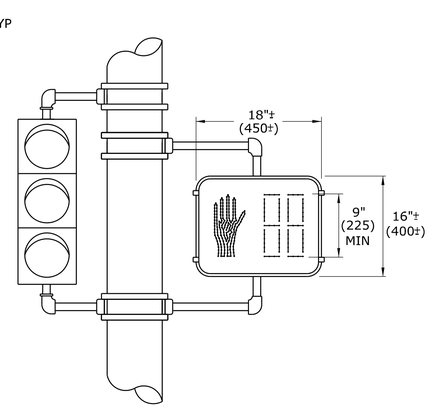
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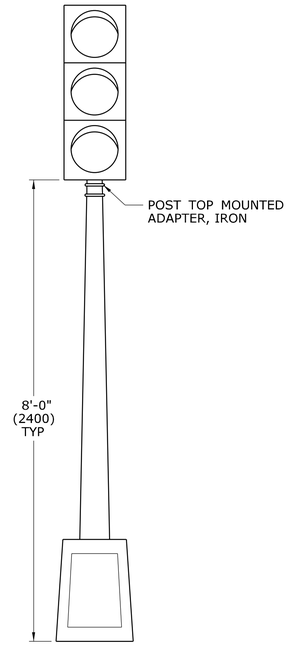




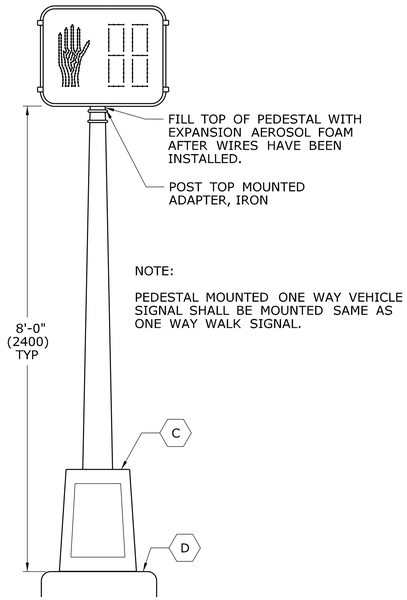








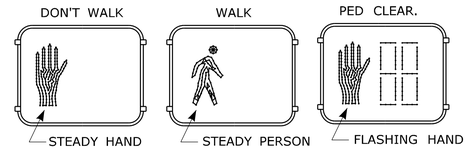
ONE WAY TRAFFIC SIGNAL PEDESTAL MOUNTED



NOTE:

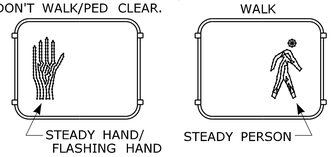
PEDESTAL MOUNTED ONE WAY VEHICLE SIGNAL SHALL BE MOUNTED SAME AS ONE WAY WALK SIGNAL.

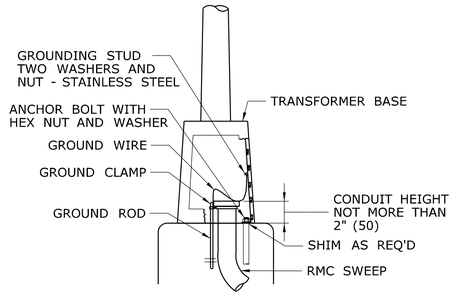
ONE WAY WALK SIGNAL PEDESTAL MOUNTED



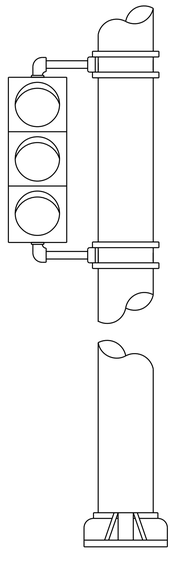
TYPICAL INDICATION WHEN LIT

NON-COUNTDOWN DISPLAY, ONLY WHEN SHOWN ON PLAN.

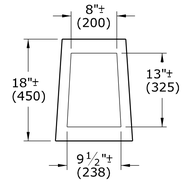




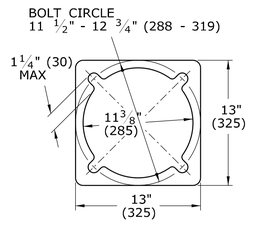
ALUMINUM PEDESTAL INSTALLATION DETAIL



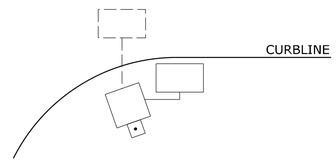
ONE WAY TRAFFIC SIGNAL POLE MOUNTED



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

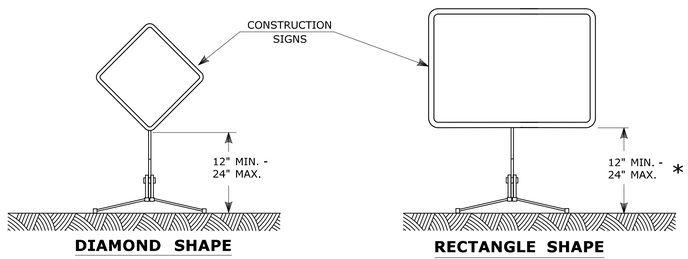
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PEDESTALS, PEDESTRIAN SIGNALS

STANDARD SHEET NO.:

TR-1102_01

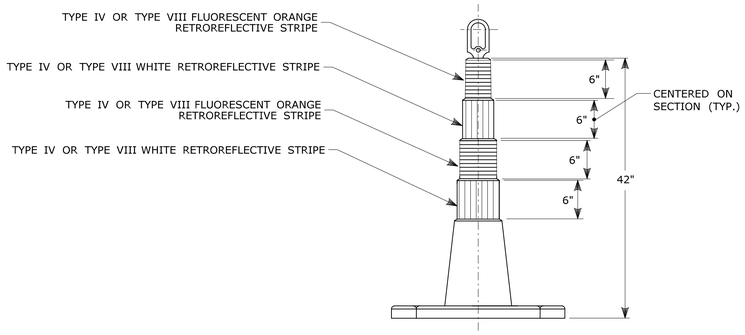


PORTABLE CONSTRUCTION SIGNS

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.

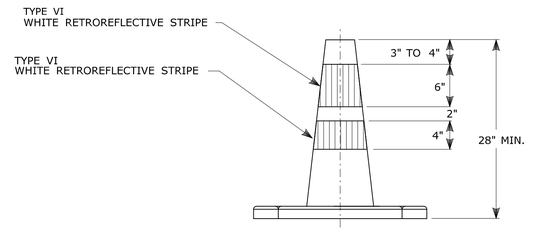
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

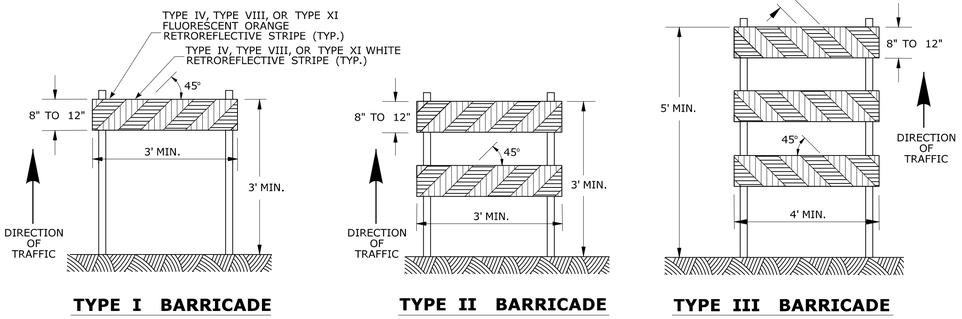
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER 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:

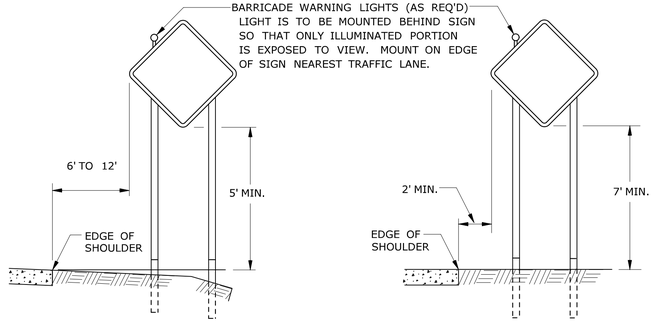
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER 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.

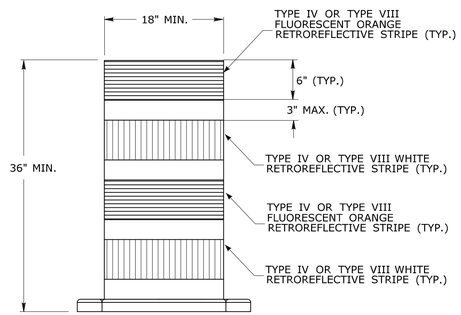


PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

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