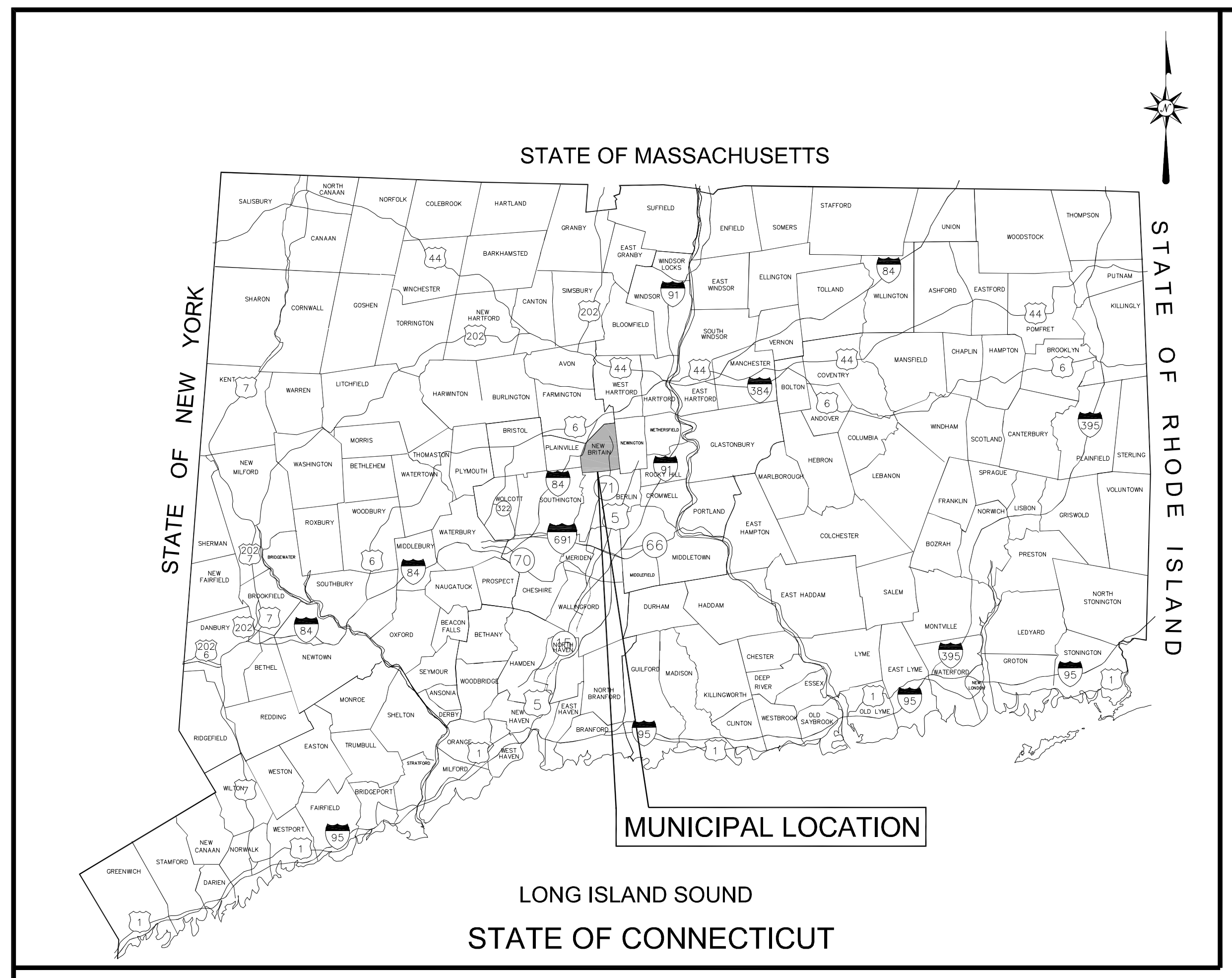


LOCATION MAP
N.T.S.

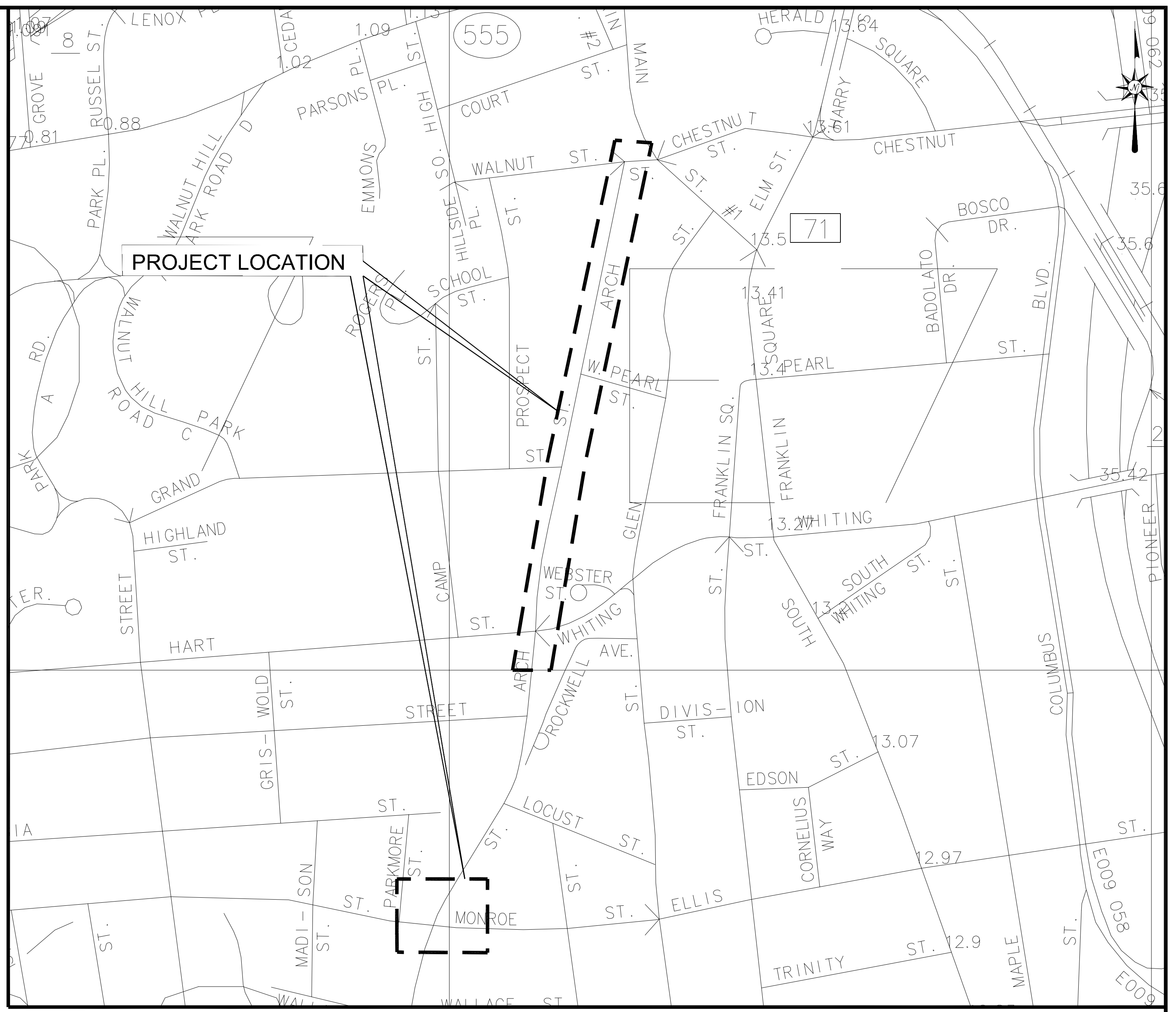
FINAL DESIGN SUBMISSION

ARCH STREET COMPLETE STREETS IMPROVEMENTS
NEW BRITAIN, CONNECTICUT
LOTCIP NO: L088-0005

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
PROPOSED WORK TO BE MAINTAINED BY THE CITY OF NEW BRITAIN



VICINITY MAP
SCALE: 1"=500'

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EX-01 TO EX-05	TOPOGRAPHIC SURVEY
IND -01	INDEX PLANS
MDS-01 TO MDS-06	MISCELLANEOUS DETAILS
TYP-01	TYPICAL SECTIONS
PLN-01 TO PLN-05	SITE PLANS
SPM-01 TO SPM-05	SIGNING AND PAVEMENT MARKING PLANS
TCS-01-TCS02	TRAFFIC CONTROL SIGNAL PLANS
TCS-03	MAST ARM PROFILE
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L0.1	SITE NOTES AND LEGEND
L1.0-L1.4	SITE MATERIALS PLANS
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L3.0-L3.2	SITE PLANTING PLAN
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TR-GS-01 TO TR-GS-03	TRAFFIC GUIDE SHEETS
TR-STR-01	STRUCTURES DATA
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TR-1105-01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS
TR-1107-01	PEDESTRIAN PUSH BUTTTON
TR-1108-01	CONTROLLERS
TR-1113-01	CONTROL CABLE
TR-1208-01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS
TR-1208-02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1210-04	PAVEMENT MARKINGS LINES AND SYMBOLS
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TR-1210-09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS
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HW-STD-INX-01-02	HIGHWAY STANDARD INDEX SHEETS
HW-586-01	CATCH BASIN AND DROP INLETS TYPE "C" AND "C-L" STRUCTURES
HW-586-02	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE 1 STRUCTURES
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HW-586-07a	CATCH BASIN TYPE "C" AND "C-L" TOPS
HW-586-07b	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE I TOPS
HW-586-08	CATCH BASIN FRAMES AND GRATES
HW-586-10c	REINFORCED PRECAST CONCRETE MANHOLE
HW-811-01	CONCRETE CURBING

CONSTRUCTION STANDARDS:

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES 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: JUNE 2023 ON HORIZONTAL DATUM NAD83.

ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD88.

2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

DESIGN STANDARDS:

CITY OF NEW BRITAIN DESIGN STANDARDS

CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL. (REVISED OCTOBER 2024)

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

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
JANUARY 24TH, 2025

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 SURVEY AND IS INTENDED TO DEPICT EXISTING FEATURES ALONG PORTIONS OF ARCH STREET FOR THE PURPOSE OF FUTURE IMPROVEMENTS.

3. 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.

4. THE PROPERTY/BOUNDARY LINES DEPICTED HEREON CONFORM TO A CLASS D AS THEY HAVE BEEN COMPLIED 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 TOPOGRAPHIC FEATURES DEPICTED HEREON ARE THE RESULT OF A FIELD SURVEY CONDUCTED MAY THROUGH JUNE, 2023

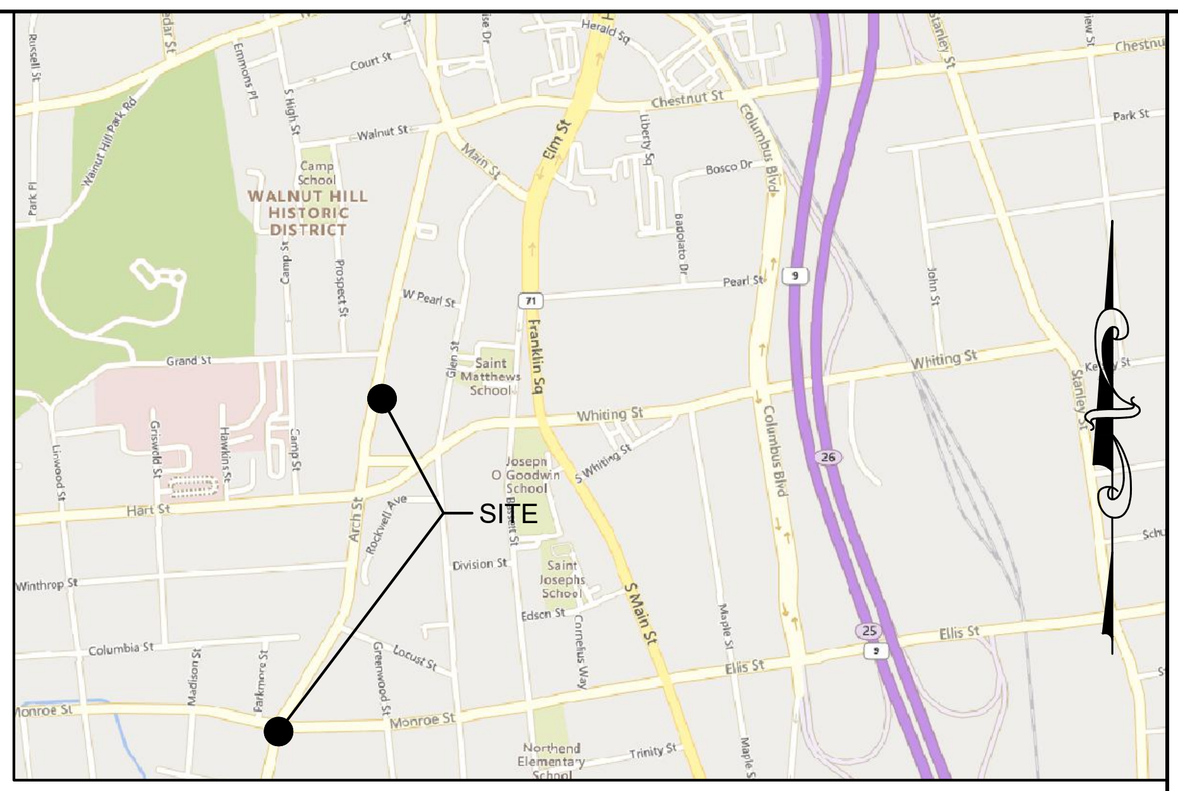
MAP NOTES CONTINUED:

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 APRIL 25, 2023, 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. UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON CONFORM TO AMERICAN SOCIETY OF CIVIL ENGINEERS QUALITY LEVEL D AND HAVE BEEN COMPILED, IN PART FROM 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.

CT N.A.D. 83 (2011)

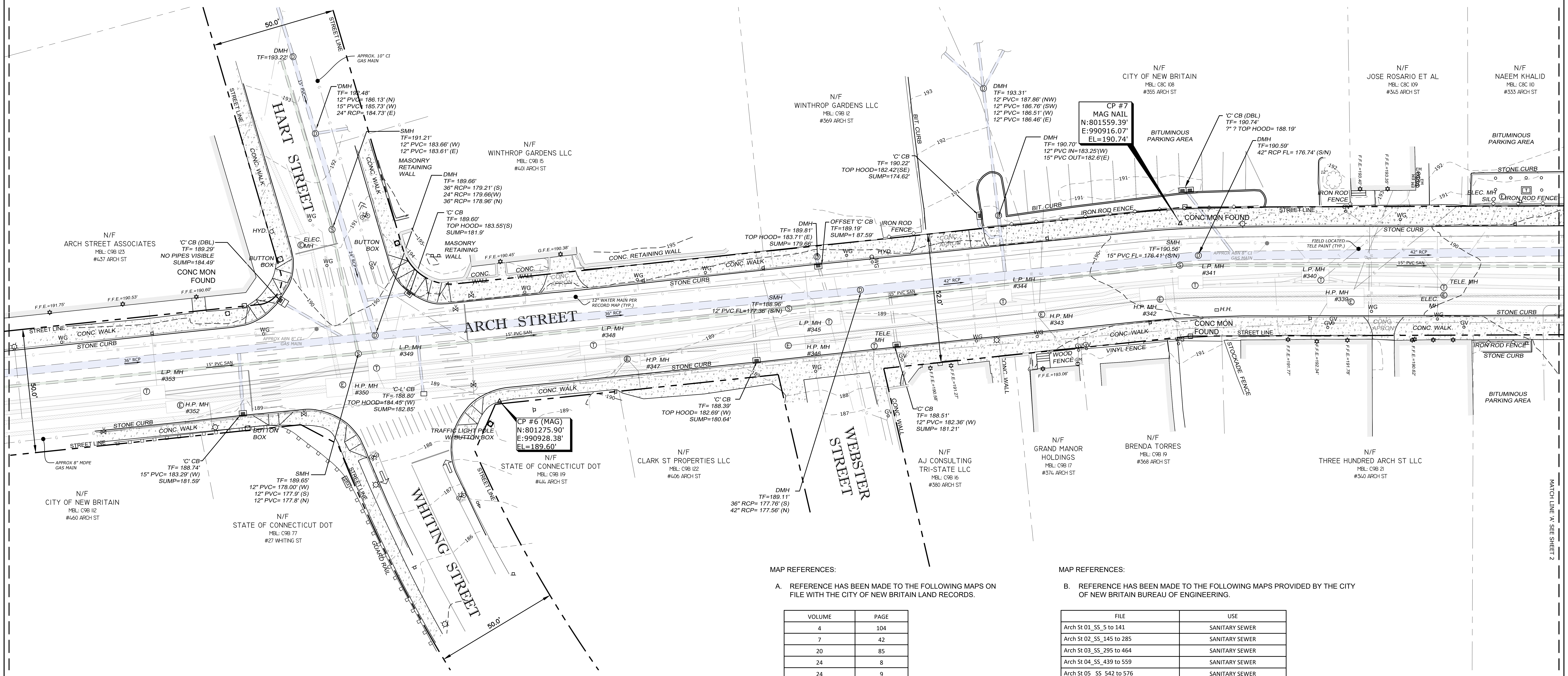


SITE LOCATION MAP (NOT TO SCALE)

LEGEND:

◎	IRON PIN (FOUND)	⊓	SIGN
●	Rebar/Drill Hole (To Be Set)	○	POST
⊡	MONUMENT (FOUND)	☼	LIGHT POLE
◎	MANHOLE	⟋	GUY ANCHOR
Ⓓ	DRAINAGE MANHOLE	ϕ	UTILITY POLE
Ⓢ	SANITARY MANHOLE	WG ○	WATER GATE
Ⓔ	ELEC. MANHOLE	WM	WATER METER
Ⓣ	TELE. MANHOLE	GV ○	GAS VALVE
▤	"C" CATCH BASIN	GM	GAS METER
☐	"C-L" CATCH BASIN	T	TRANSFORMER
✿	DECIDUOUS TREES	EM	ELEC. METER
☆	EVERGREEN TREES	⊏	MAIL BOX
✳	SHRUB/BUSH	⊡	HAND HOLE
⏀	FLAG POLE	⊡	BUTTON BOX
CBX	TRAFFIC CONTROL BOX	AC	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


50.0'
STREET LINE
DMH TF=193.22'
APPROX. 10" CI GAS MAIN
DMH TF= 192.48' 12" PVC= 186.13' (N) 15" PVC= 185.73' (W) 24" RCP= 184.73' (E)
SMH TF=191.21' 12" PVC= 183.66' (W) 12" PVC= 183.61' (E)
HART STREET
CONC. WALK
MASONRY RETAINING WALL
DMH TF= 189.66' 36" RCP= 179.21' (S) 24" RCP= 179.66(W) 36" RCP= 178.96' (N)
'C' CB TF= 189.60' TOP HOOD= 183.55'(S) SUMP=181.9'
N/F WINTHROP GARDENS LLC MBL: C9B 15 #401 ARCH ST
N/F WINTHROP GARDENS LLC MBL: C9B 12 #369 ARCH ST
N/F ARCH STREET ASSOCIATES MBL: C9B 123 #437 ARCH ST
'C' CB (DBL) TF= 189.29' NO PIPES VISIBLE SUMP=184.49'
CONC MON FOUND
HYD.
ELEC. MH
BUTTON BOX
WG
CONC. RETAINING WALL
STONE CURB
ARCH STREET
12" WATER MAIN PER RECORD MAP (TYP.)
SMH TF=188.96' 12" PVC FL=177.36' (S/N)
L.P. MH #345
L.P. MH #348
L.P. MH #349
L.P. MH #353
H.P. MH #346
H.P. MH #347
H.P. MH #350
H.P. MH #352
'C-L' CB TF= 188.80' TOP HOOD=184.45'(W) SUMP=182.85'
DMH TF= 189.81' TOP HOOD= 183.71' (E) SUMP= 179.66'
OFFSET 'C' CB TF=189.19' SUMP=187.59'
IRON ROD FENCE
'C' CB TF= 190.22' TOP HOOD=182.42'(SE) SUMP=174.62'
BIT. CURB
DMH TF= 193.31' 12" PVC= 187.86' (NW) 12" PVC= 186.76' (SW) 12" PVC= 186.51' (W) 12" PVC= 186.46' (E)
DMH TF= 190.70' 12" PVC IN=183.25'(W) 15" PVC OUT=182.6'(E)
CP #7 MAG NAIL N:801559.39' E:990916.07' EL=190.74'
N/F CITY OF NEW BRITAIN MBL: C8C 108 #355 ARCH ST
BITUMINOUS PARKING AREA
'C' CB (DBL) TF= 190.74' 7" ? TOP HOOD= 188.19'
DMH TF=190.59' 42" RCP FL= 176.74' (S/N)
CONC MON FOUND
SMH 15" PVC FL= 176.41' (S/N)
APPROX ABN 8" CI GAS MAIN
L.P. MH #341
L.P. MH #344
L.P. MH #340
H.P. MH #339
H.P. MH #342
H.P. MH #343
FIELD LOCATED TELE PAINT (TYP.)
42" RCP
15" PVC SAN
N/F JOSE ROSARIO ET AL MBL: C8C 109 #345 ARCH ST
N/F NAEEM KHALID MBL: C8C 110 #333 ARCH ST
IRON ROD FENCE
ELEC. MH
SILO
TELE. MH
CONC. APRON
CONC. WALK
CONC MON FOUND
VINYL FENCE
WOOD FENCE
STOCKADE FENCE
STONE CURB
BITUMINOUS PARKING AREA
N/F THREE HUNDRED ARCH ST LLC MBL: C9B 21 #340 ARCH ST
N/F BRENDA TORRES MBL: C9B 19 #368 ARCH ST
N/F GRAND MANOR HOLDINGS MBL: C9B 17 #374 ARCH ST
N/F AJ CONSULTING TRI-STATE LLC MBL: C9B 16 #380 ARCH ST
'C' CB TF= 188.51' 12" PVC= 182.36' (W) SUMP= 181.21'
WEBSTER STREET
DMH TF=189.11' 36" RCP= 177.76' (S) 42" RCP= 177.56' (N)
N/F CLARK ST PROPERTIES LLC MBL: C9B 122 #406 ARCH ST
'C' CB TF= 188.39' TOP HOOD= 182.69' (W) SUMP=180.64'
CP #6 (MAG) N:801275.90' E:990928.38' EL=189.60'
TRAFFIC LIGHT POLE W/ BUTTON BOX
N/F STATE OF CONNECTICUT DOT MBL: C9B 119 #414 ARCH ST
WHITING STREET
GUARD RAIL
SMH TF= 189.65' 12" PVC= 178.00' (W) 12" PVC= 177.9' (S) 12" PVC= 177.8' (N)
N/F STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
'C' CB TF= 188.74' 15" PVC= 183.29' (W) SUMP=181.59'
APPROX 8" MOPE GAS MAIN
N/F CITY OF NEW BRITAIN MBL: C9B 112 #460 ARCH ST
36" RCP
15" PVC SAN
APPROX ABN 8" CI GAS MAIN
52.0'
MATCH LINE 'A' SEE SHEET 2

MAP REFERENCES:

A. REFERENCE HAS BEEN MADE TO THE FOLLOWING MAPS ON FILE WITH THE CITY OF NEW BRITAIN LAND RECORDS.

VOLUME	PAGE
4	104
7	42
20	85
24	8
24	9
24	14
27	21
28	32
28	113
29	120
30	19
30	78
21	12
17	78A
21	44
28	24
16	93
27	13
31	101

MAP REFERENCES:

B. REFERENCE HAS BEEN MADE TO THE FOLLOWING MAPS PROVIDED BY THE CITY OF NEW BRITAIN BUREAU OF ENGINEERING.

FILE	USE
Arch St 01_SS_5 to 141	SANITARY SEWER
Arch St 02_SS_145 to 285	SANITARY SEWER
Arch St 03_SS_295 to 464	SANITARY SEWER
Arch St 04_SS_439 to 559	SANITARY SEWER
Arch St 05_ SS_542 to 576	SANITARY SEWER
Arch St 05_SS_575 to 619	SANITARY SEWER
Arch St 06_SS_624 to 656	SANITARY SEWER
Arch St 07_SS_662 to 690	SANITARY SEWER
Arch St 08_SW_5 to 105	STORM DRAINAGE
Arch St 09_SW_139 to 282	STORM DRAINAGE
Arch St 10_SW_295 to 447	STORM DRAINAGE
Arch St 11_SW_439 to 559	STORM DRAINAGE
Arch St 12_SW_560 to 619	STORM DRAINAGE
Arch St 13_SW_624 to 656	STORM DRAINAGE
Arch St 14_SW_662 to 692	STORM DRAINAGE
D3_0128	RIGHT OF WAY
D6 1512	ELECTRIC & COMMUNICATION
D16 1663	ELECTRIC & COMMUNICATION
D16 1666	ELECTRIC & COMMUNICATION
D16 1670	RIGHT OF WAY
D23 1657	RIGHT OF WAY
Water c8b_0001	WATER MAINS
Water c8c_0001	WATER MAINS
Water c9b_0001	WATER MAINS
Water d8d_0001	WATER MAINS

THE FOLLOWING UTILITY SERVICE PROVIDERS OPERATE IN NEW BRITAIN, CONNECTICUT AS LISTED ON HTTPS://PORTAL.CT.GOV/DOT/UTILITIES/UTILITIES:

COMCAST OF CONNECTICUT, INC
COXCOM, LLC
CROWN CASTLE FIBER, LLC
SOUTHERN NEW ENGLAND TELEPHONE COMPANY DBA FRONTIER COMMUNICATIONS OF CONNECTICUT
WILTEL COMMUNICATIONS, LLC AKA CENTURYLINK COMMUNICATIONS, LLC
THE CONNECTICUT LIGHT & POWER COMPANY DBA EVERSOURCE ENERGY - ELECTRIC DISTRIBUTION
CONNECTICUT NATURAL GAS CORPORATION, ENGINEERING DEPARTMENT
KINDER MORGAN, INC. (TENNESSEE GAS PIPELINE L.L.C.)
AMTRAK - NATIONAL RAILROAD PASSENGER CORP.
CSX TRANSPORTATION, INC.
NEW BRITAIN WATER DEPARTMENT

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

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

70147
DEAN MARTIN LICENSE NO.

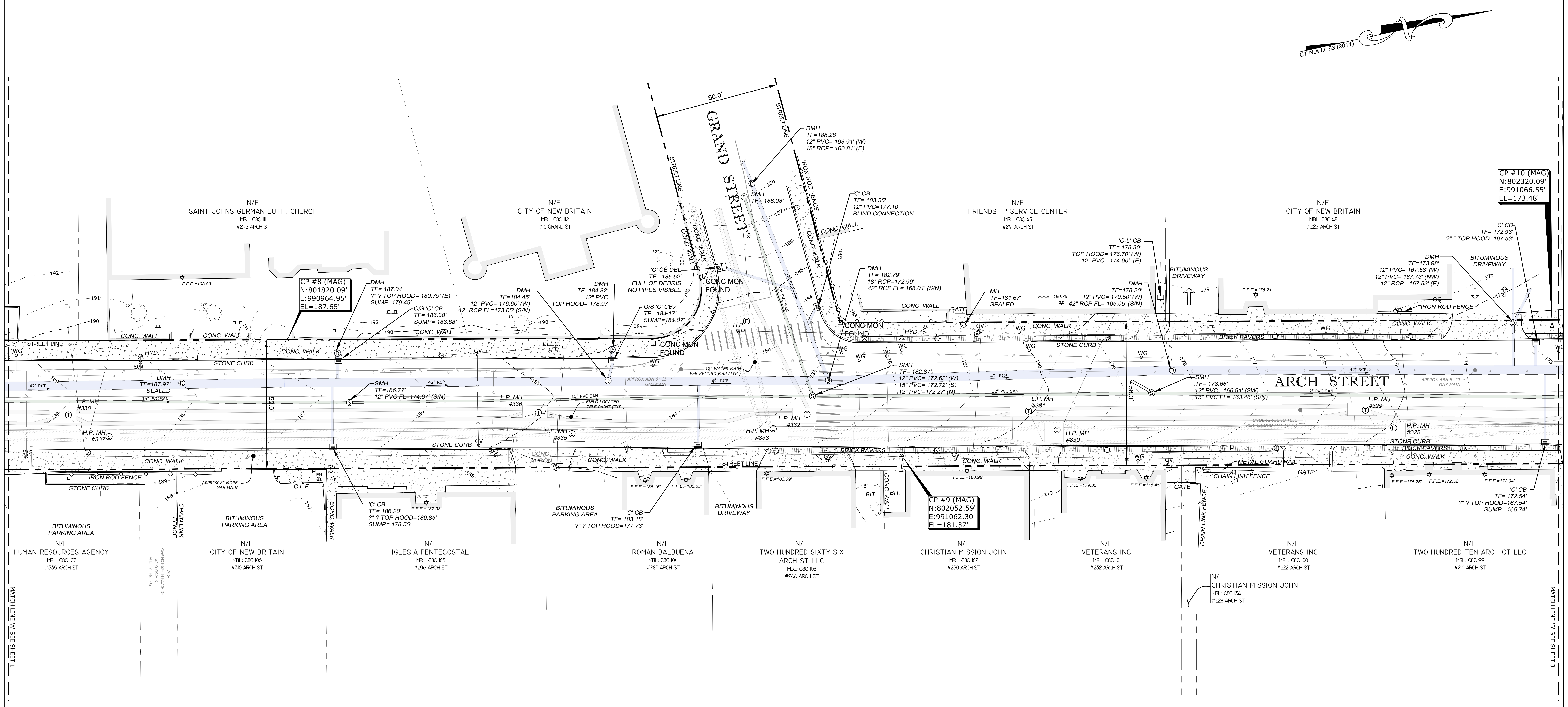
THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL. UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID.

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

REVISIONS:

TOPOGRAPHIC SURVEY ALONG PORTIONS OF ARCH STREET FROM HART STREET NORTHERLY TO WALNUT STREET & THE INTERSECTION OF MONROE STREET AND ARCH STREET NEW BRITAIN, CONNECTICUT

MSA PROJECT NO: 23-020
SCALE: 1"=20'
DATE: 2023-06-21
DRAWN BY: G.S.D.
CHECKED BY: D.G.M.
SHEET:
1 OF 5



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
CBX TRAFFIC CONTROL BOX

SIGN
POST
LIGHT POLE
GUY ANCHOR
UTILITY POLE
WG WATER GATE
WM WATER METER
GV GAS VALVE
GM GAS METER
TRANSFORMER
EM 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
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ALONG PORTIONS OF ARCH STREET FROM HART STREET NORTHERLY TO WALNUT STREET & THE INTERSECTION OF MONROE STREET AND ARCH STREET
NEW BRITAIN, CONNECTICUT

MSA PROJECT NO: 23-020

SCALE: 1"=20'
DRAWN BY: G.S.D.
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CHECKED BY: D.G.M.

SHEET:
2 OF 5

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

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DEAN MARTIN
LICENSE NO. 70147

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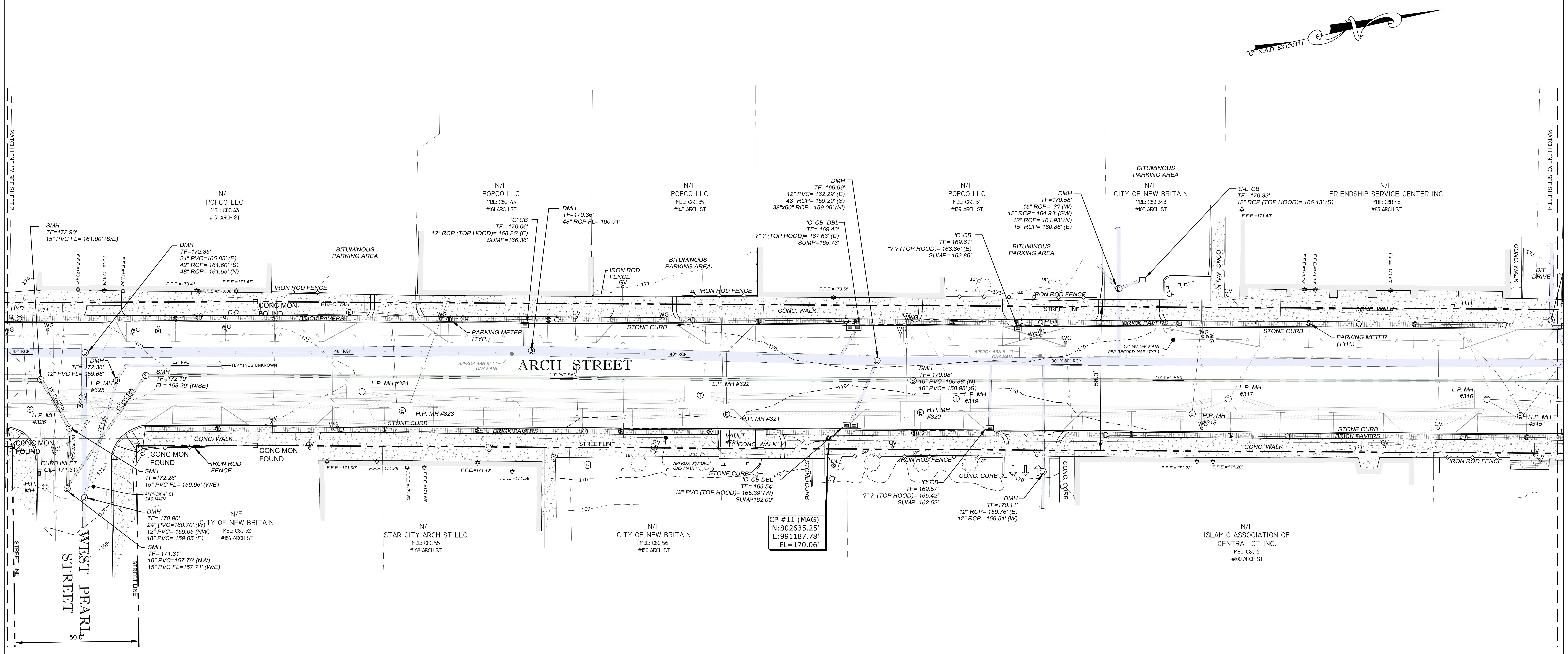

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LEGEND:
- ○ IRON PIN (FOUND)
- ● Rebar/Drill Hole (To Be Set)
- □ MONUMENT (FOUND)
- ◎ MANHOLE
- Ⓓ DRAINAGE MANHOLE
- Ⓢ SANITARY MANHOLE
- Ⓔ ELEC. MANHOLE
- Ⓣ TELE. MANHOLE
- ▣ "C" CATCH BASIN
- □ "C-L" CATCH BASIN
- DECIDUOUS TREES
- ☆ EVERGREEN TREES
- SHRUB/BUSH
- FLAG POLE
- CBX TRAFFIC CONTROL BOX
- $ PARKING METER
- BOUNDARY LINE
- GUARD RAIL
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- TREE LINE
- SIGN
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- ☼ LIGHT POLE
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- WG WATER GATE
- WM WATER METER
- GV GAS VALVE
- GM GAS METER
- TRANSFORMER
- EM ELEC. METER
- MAIL BOX
- HAND HOLE
- BUTTON BOX
- A/C A.C. UNIT
- TRAFFIC LIGHT POLE

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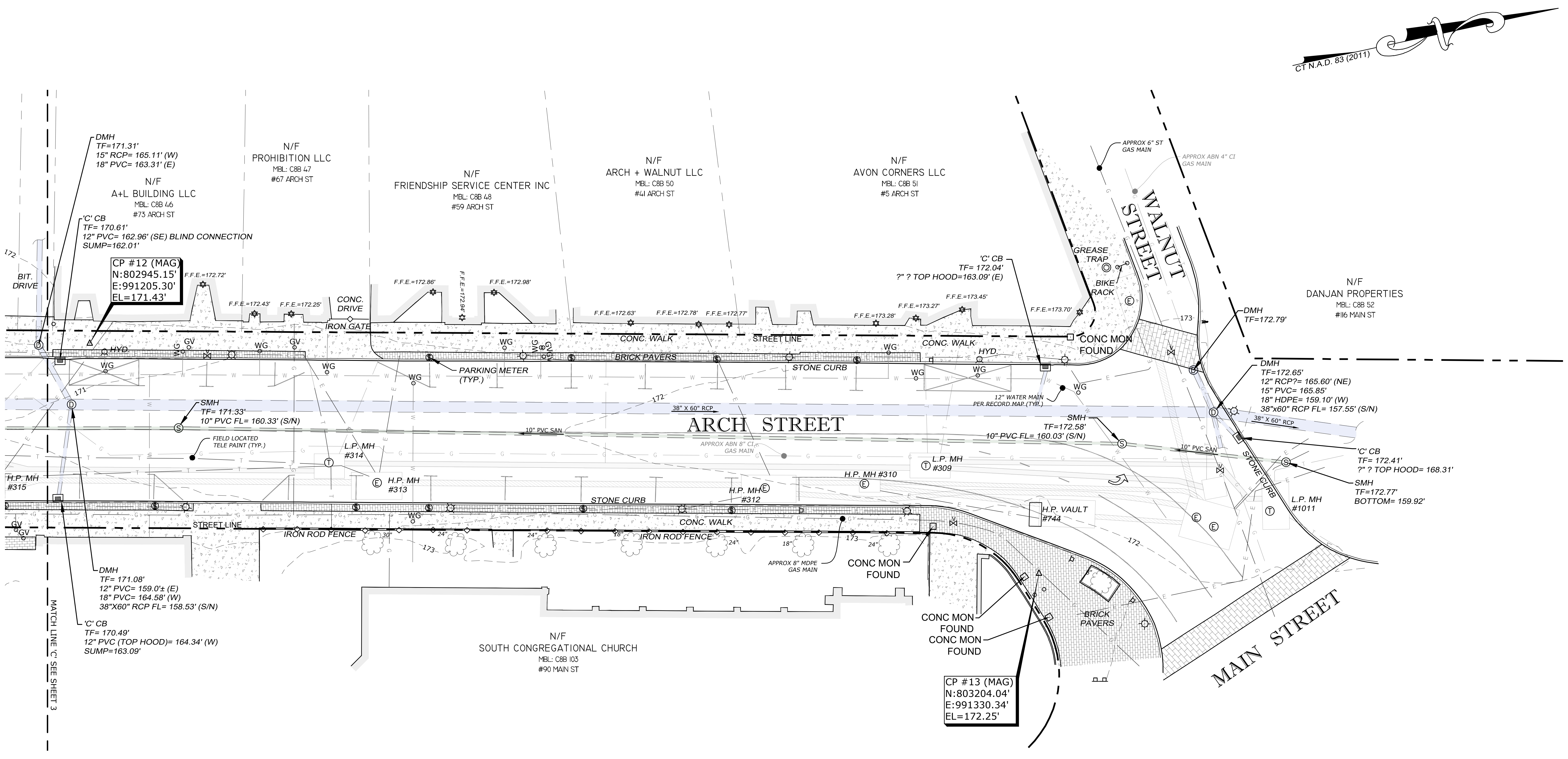
TOPOGRAPHIC SURVEY
ALONG PORTIONS OF ARCH STREET
FROM HART STREET NORTHERLY TO
WALNUT STREET
& THE INTERSECTION OF
MONROE STREET AND ARCH STREET
NEW BRITAIN, CONNECTICUT

MSA PROJECT NO: 23-020
SCALE: 1"=20'
DRAWN BY: G.S.D.
DATE: 2023-06-21
CHECKED BY: D.G.M.
SHEET:
3 OF 5



LEGEND:

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- ☆ EVERGREEN TREES
- ✳ SHRUB/BUSH
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- —E— U/G ELEC. LINE
- —W— WATER LINE
- —\\— OVERHEAD UTILITIES
- —T— U/G TELE. LINE
- —×—×— CHAIN LINK FENCE
- TREE LINE

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REVISIONS:

TOPOGRAPHIC SURVEY
ALONG PORTIONS OF ARCH STREET FROM HART STREET NORTHERLY TO WALNUT STREET & THE INTERSECTION OF MONROE STREET AND ARCH STREET
NEW BRITAIN, CONNECTICUT

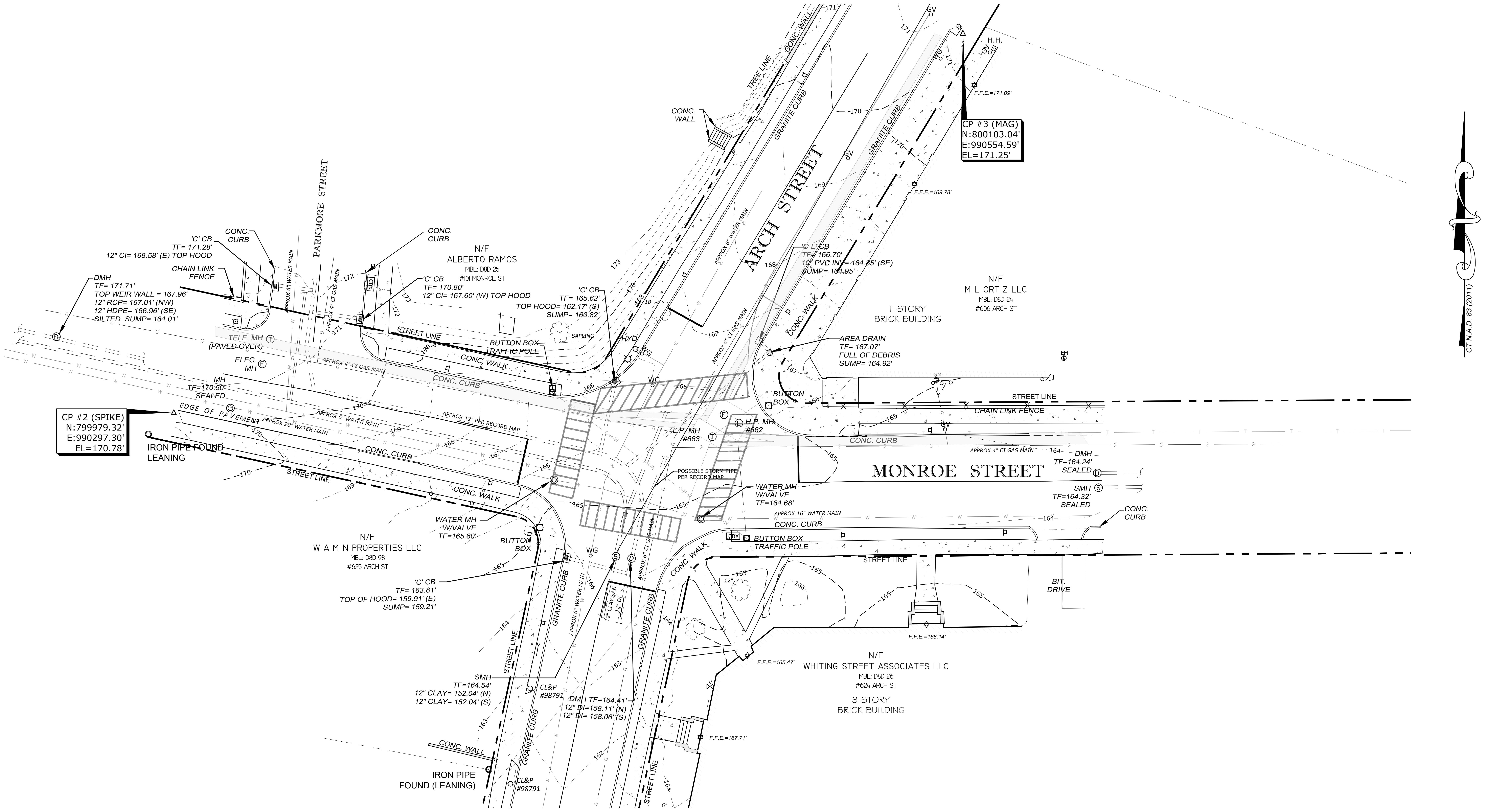
MSA PROJECT NO: 23-020	
SCALE: 1"=20'	DRAWN BY: G.S.D.
DATE: 2023-06-21	CHECKED BY: D.G.M.
	SHEET: 4 OF 5

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

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

DEAN MARTIN LICENSE NO. 70147

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL. UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID.



10 0 10 20 30
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
- SHRUB/BUSH
- FLAG POLE
- CBX TRAFFIC CONTROL BOX
- SIGN
- ○ POST
- ☼ LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- WG WATER GATE
- WM WATER METER
- GV GAS VALVE
- GM GAS METER
- T TRANSFORMER
- EM ELEC. METER
- MAIL BOX
- HAND HOLE
- ◘ BUTTON BOX
- A/C 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

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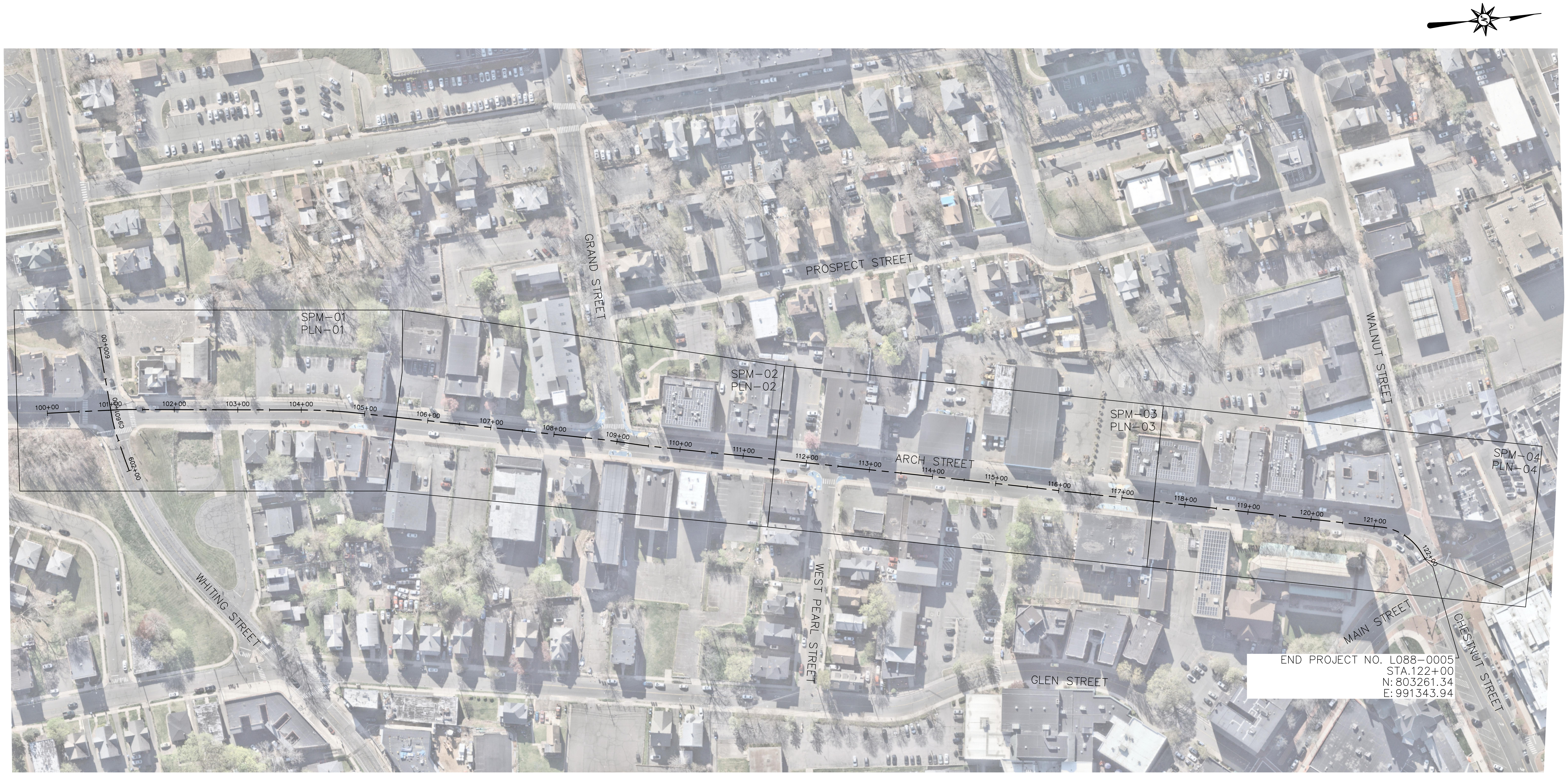
REVISIONS:

TOPOGRAPHIC SURVEY
ALONG PORTIONS OF ARCH STREET FROM HART STREET NORTHERLY TO WALNUT STREET
& THE INTERSECTION OF MONROE STREET AND ARCH STREET
NEW BRITAIN, CONNECTICUT

MSA PROJECT NO: 23-020

SCALE: 1"=20'	DRAWN BY: G.S.D.
DATE: 2023-06-21	CHECKED BY: D.G.M.
	SHEET:
	5 OF 5



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STA.122+00
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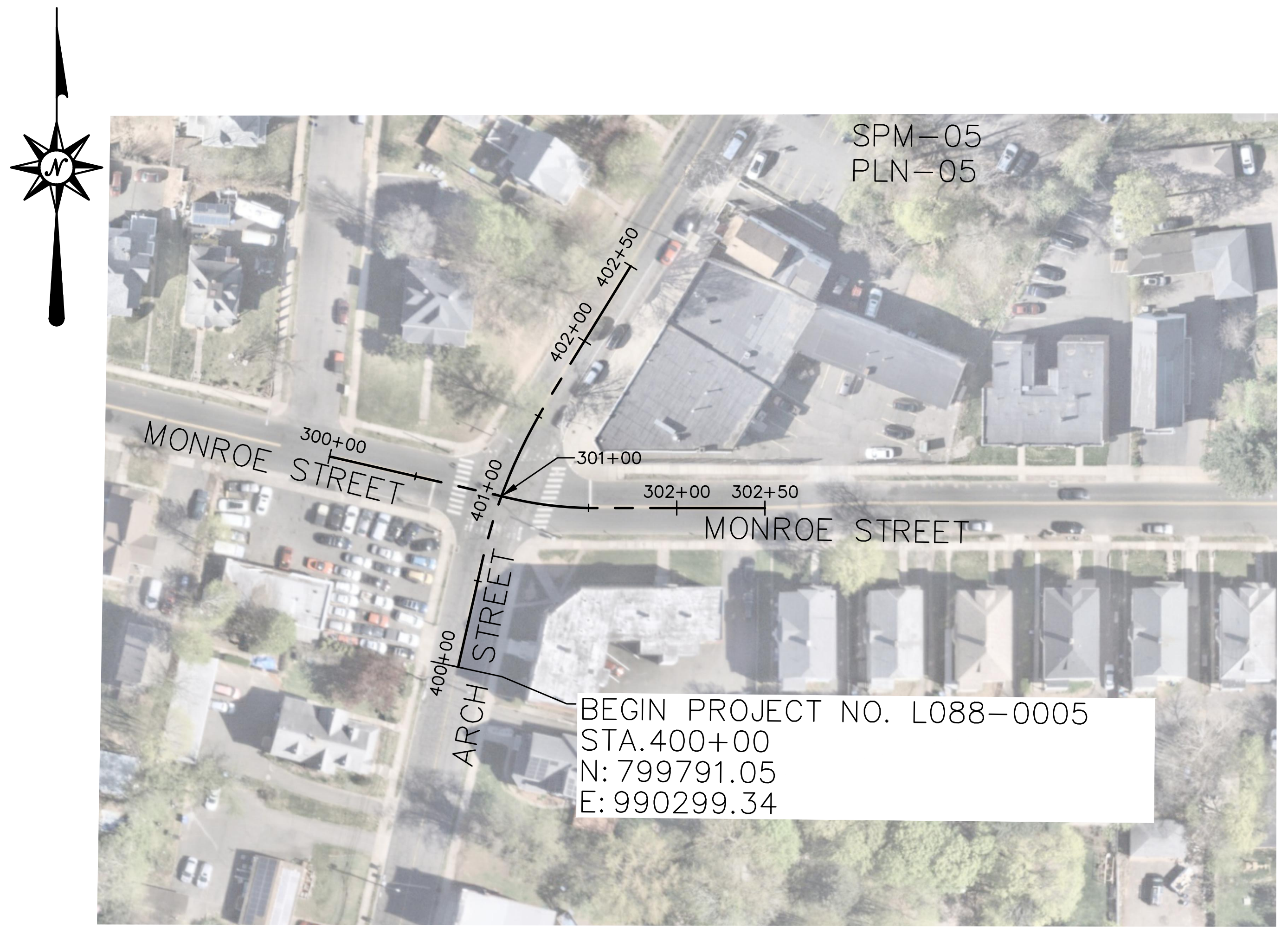
E: 991343.94



BEGIN PROJECT NO. L088-0005
STA.400+00
N: 799791.05
E: 990299.34

GRAPHIC SCALE
80 40 0 80
SCALE IN FEET

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25

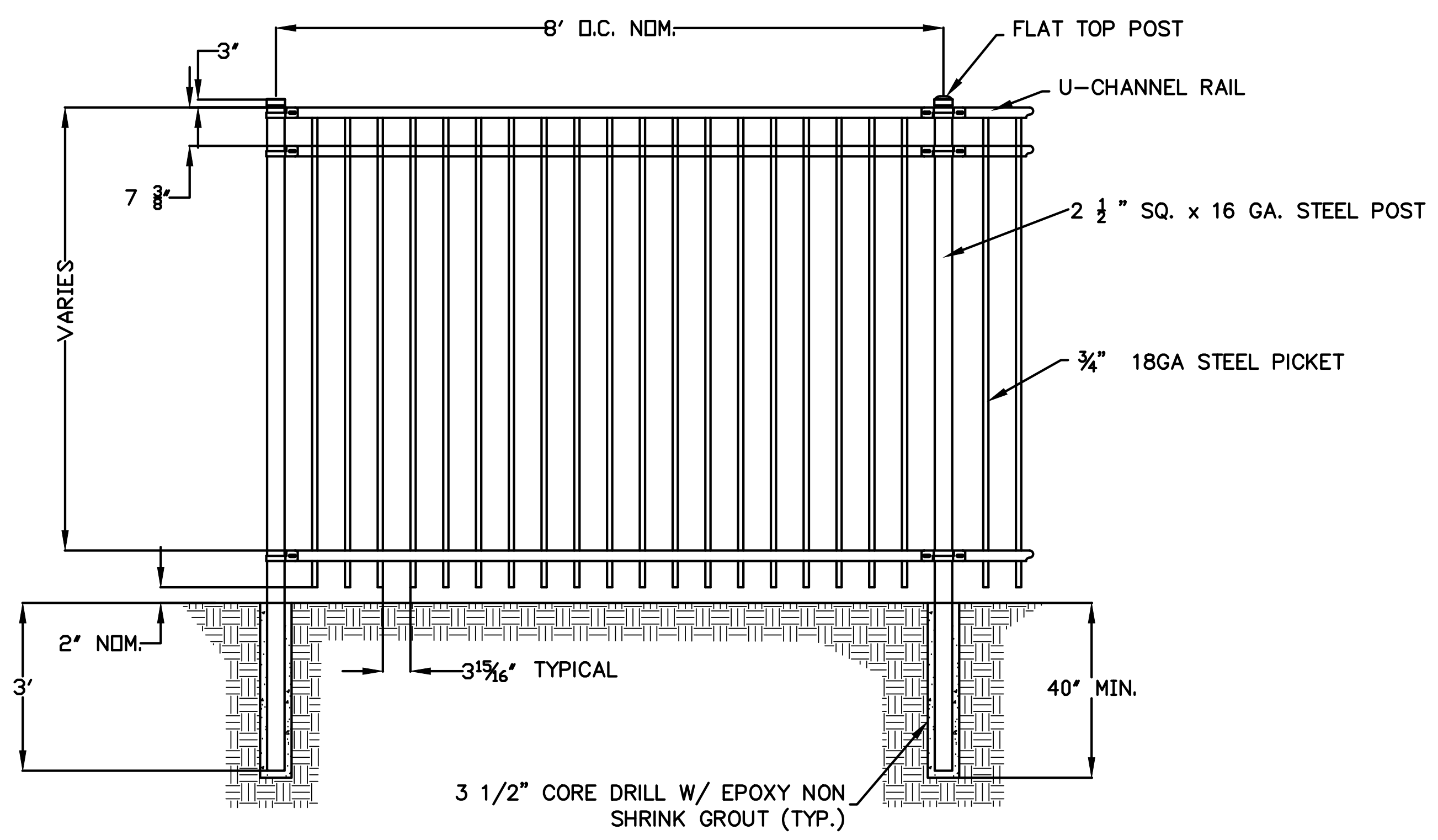
CAD File:
INX230194401

Title
INDEX PLAN

Sheet No.
INX-01

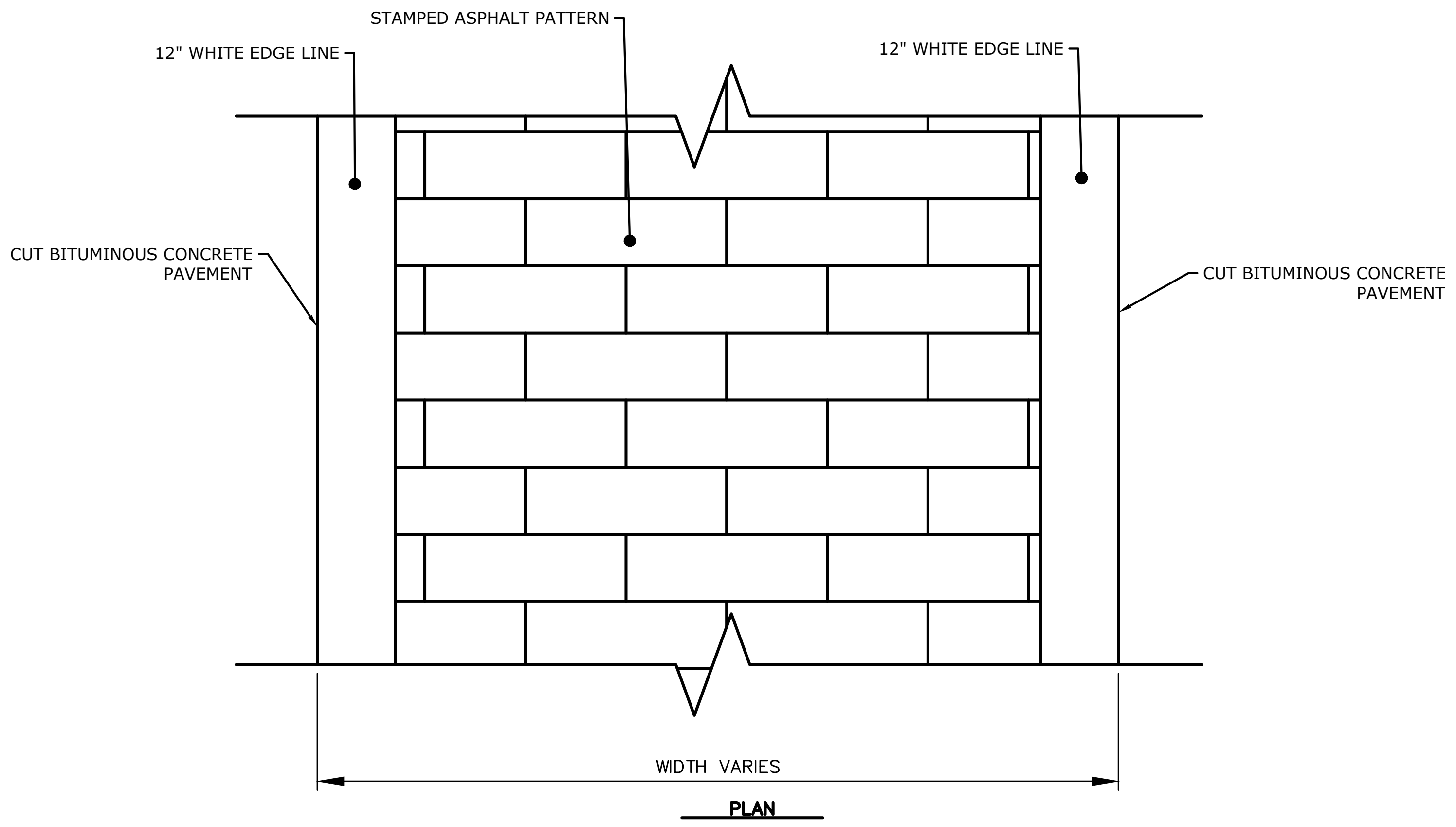
Xref (s): ; XZ230194401 ; BD230194401

1/23/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\INX230194401.DWG.INX-01 24X36 20SC.



ORNAMENTAL METAL FENCE

N.T.S.

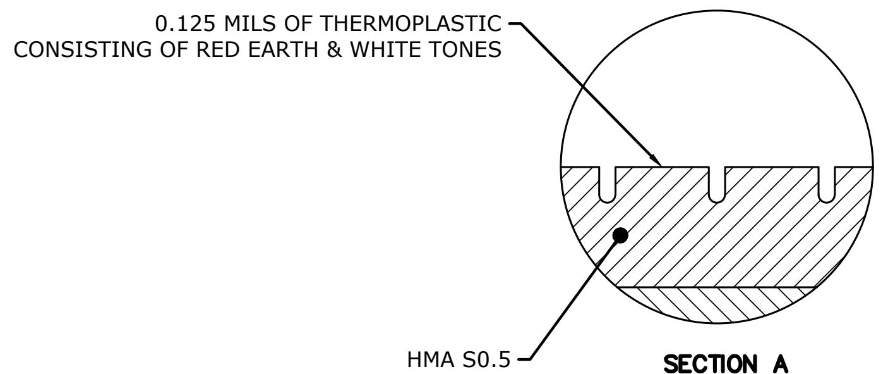


PLAN

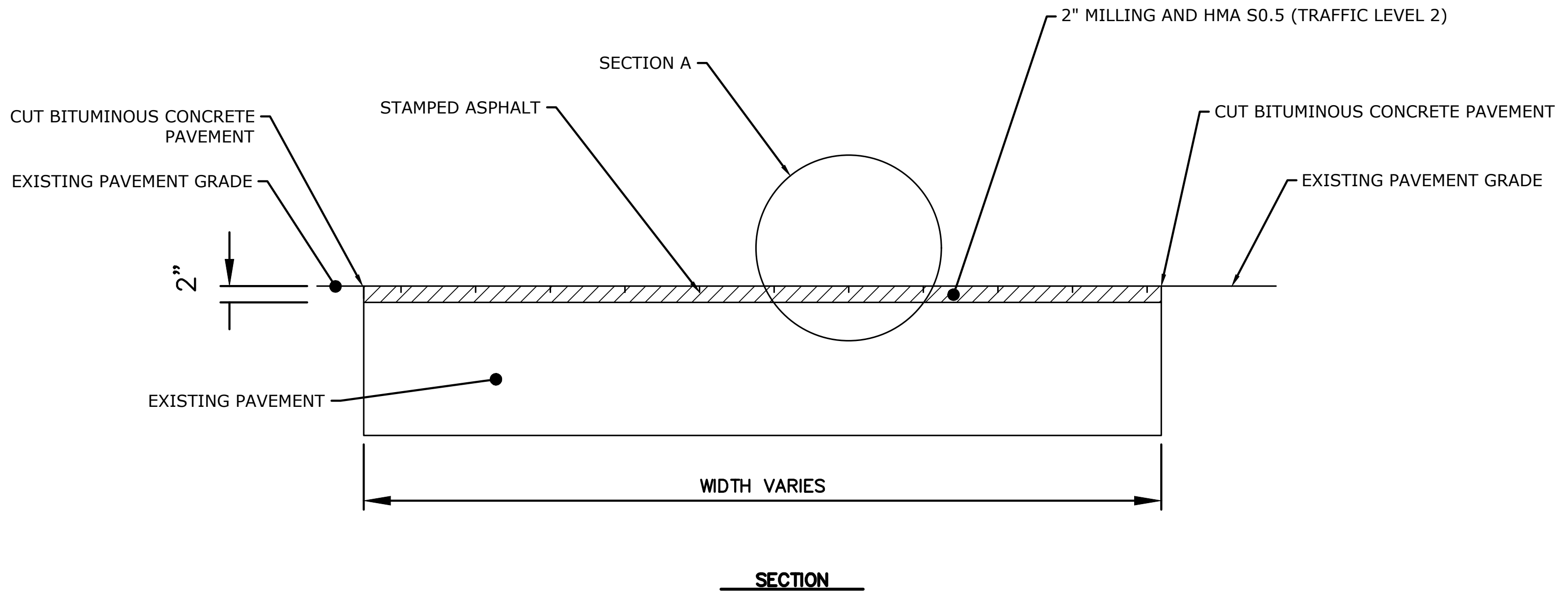
NOTES:

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


0.125 MILS OF THERMOPLASTIC CONSISTING OF RED EARTH & WHITE TONES
HMA S0.5 TRAFFIC LEVEL 2

SECTION A


2" MILLING AND HMA S0.5 (TRAFFIC LEVEL 2)
SECTION A
STAMPED ASPHALT
CUT BITUMINOUS CONCRETE PAVEMENT
CUT BITUMINOUS CONCRETE PAVEMENT
EXISTING PAVEMENT GRADE
EXISTING PAVEMENT GRADE
2"
EXISTING PAVEMENT
WIDTH VARIES

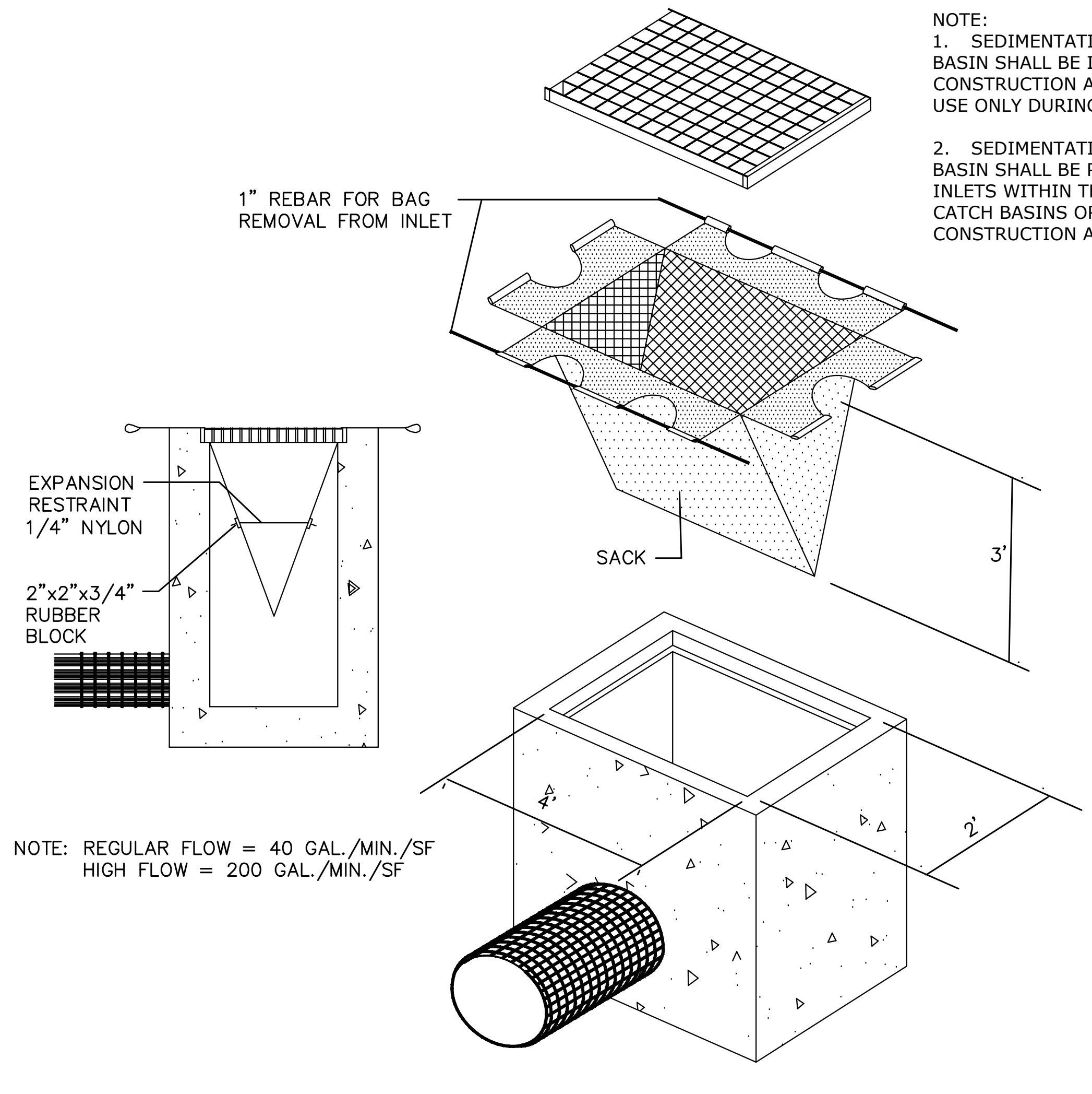
SECTION

DECORATIVE STAMPED ASPHALT CROSSWALK

N.T.S.

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.

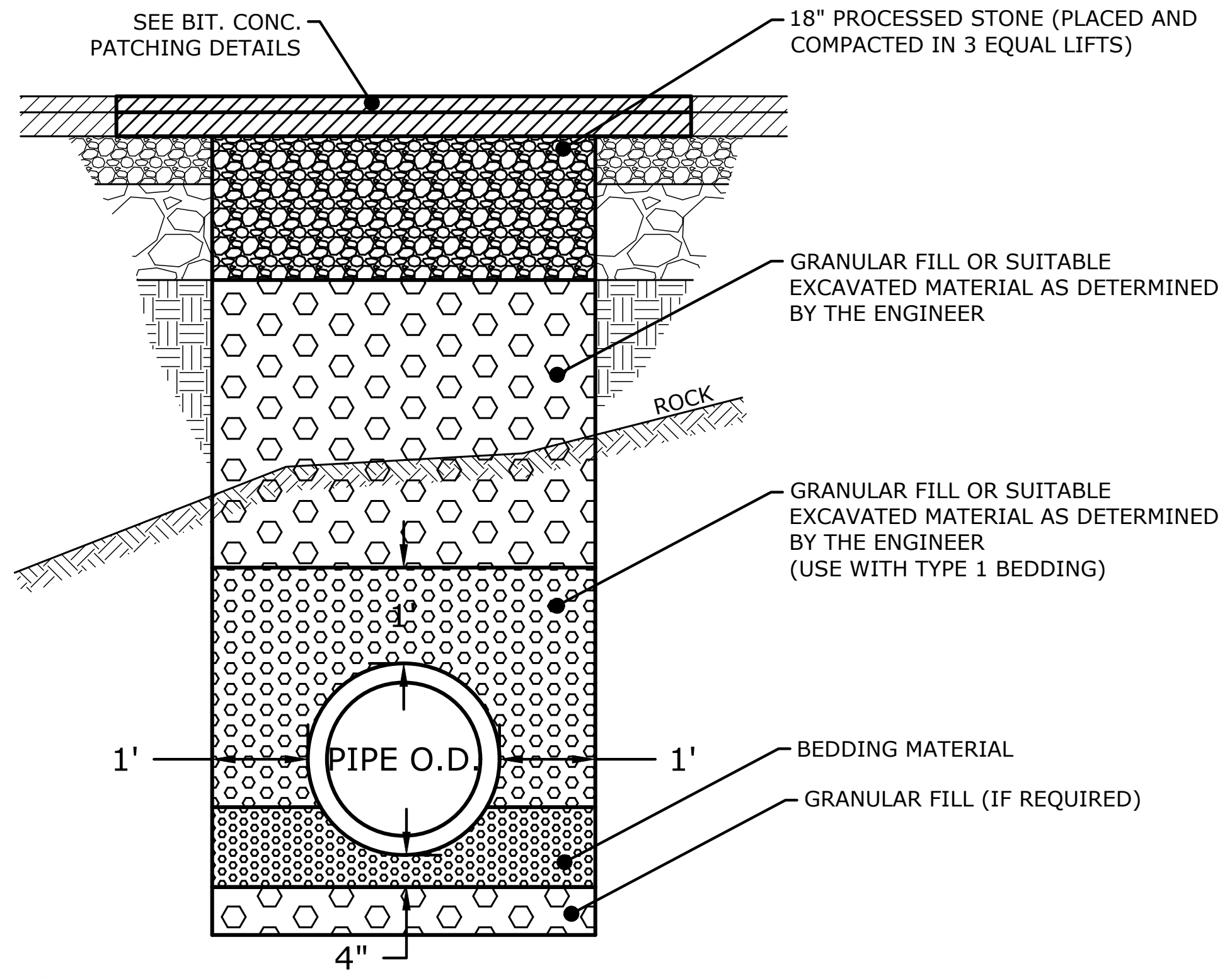
2. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN SHALL BE PLACED AT ALL EXISTING CATCH BASINS AND INLETS WITHIN THE PROJECT LIMITS, OR AT ANY CATCH BASINS OR INLETS THAT MAY BE IMPACTED BY CONSTRUCTION AS DIRECTED BY THE ENGINEER.


1" REBAR FOR BAG REMOVAL FROM INLET
EXPANSION RESTRAINT 1/4" NYLON
2"x2"x3/4" RUBBER BLOCK
SACK
3'
4'
2'

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

SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN

N.T.S.


SEE BIT. CONC. PATCHING DETAILS
18" PROCESSED STONE (PLACED AND COMPACTED IN 3 EQUAL LIFTS)
GRANULAR FILL OR SUITABLE EXCAVATED MATERIAL AS DETERMINED BY THE ENGINEER
ROCK
GRANULAR FILL OR SUITABLE EXCAVATED MATERIAL AS DETERMINED BY THE ENGINEER (USE WITH TYPE 1 BEDDING)
1'
PIPE O.D.
1'
1'
BEDDING MATERIAL
GRANULAR FILL (IF REQUIRED)
4"

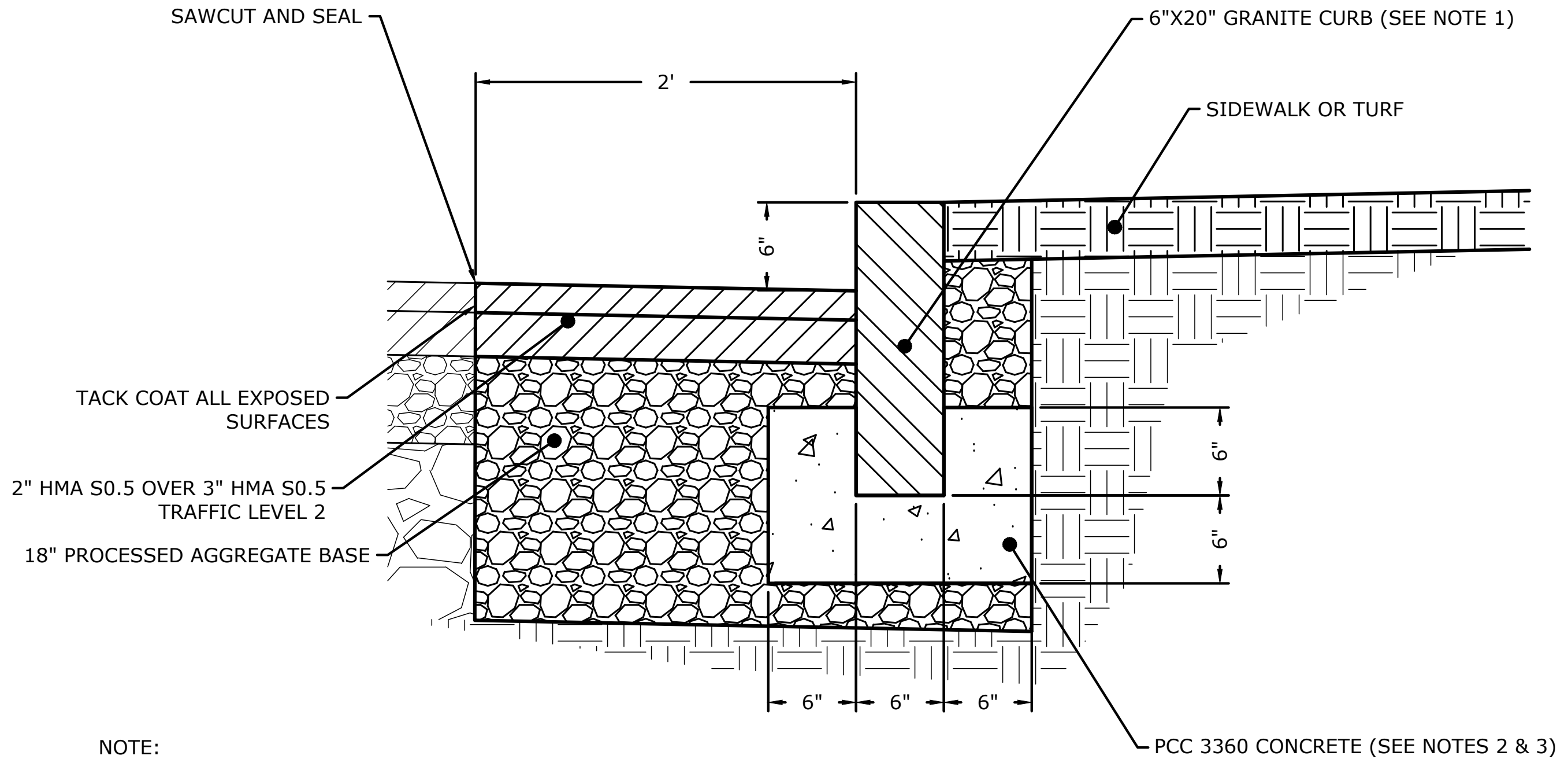
NOTE:
1. EXAMPLES OF RIGID PIPE ARE R.C.P. AND D.I.P.
2. PIPE BEDDING SHALL CONFORM TO SECTION M.08.03
3. GRANULAR FILL SHALL CONFORM TO SECTION M.02.01 GRADING C

BEDDING TYPE PLACEMENT CHART

BEDDING TYPE	PIPE SIZE	DEPTH BELOW PIPE	HEIGHT ABOVE INV.	HEIGHT ABOVE PIPE
TYPE I	LESS THAN 48"	4" (EARTH)	25% PIPE O.D.	-
		12" (ROCK)		
TYPE II	48" AND LARGER	4" (EARTH)	-	12"
		12" (ROCK)		

TRENCH EXCAVATION AND BACKFILL

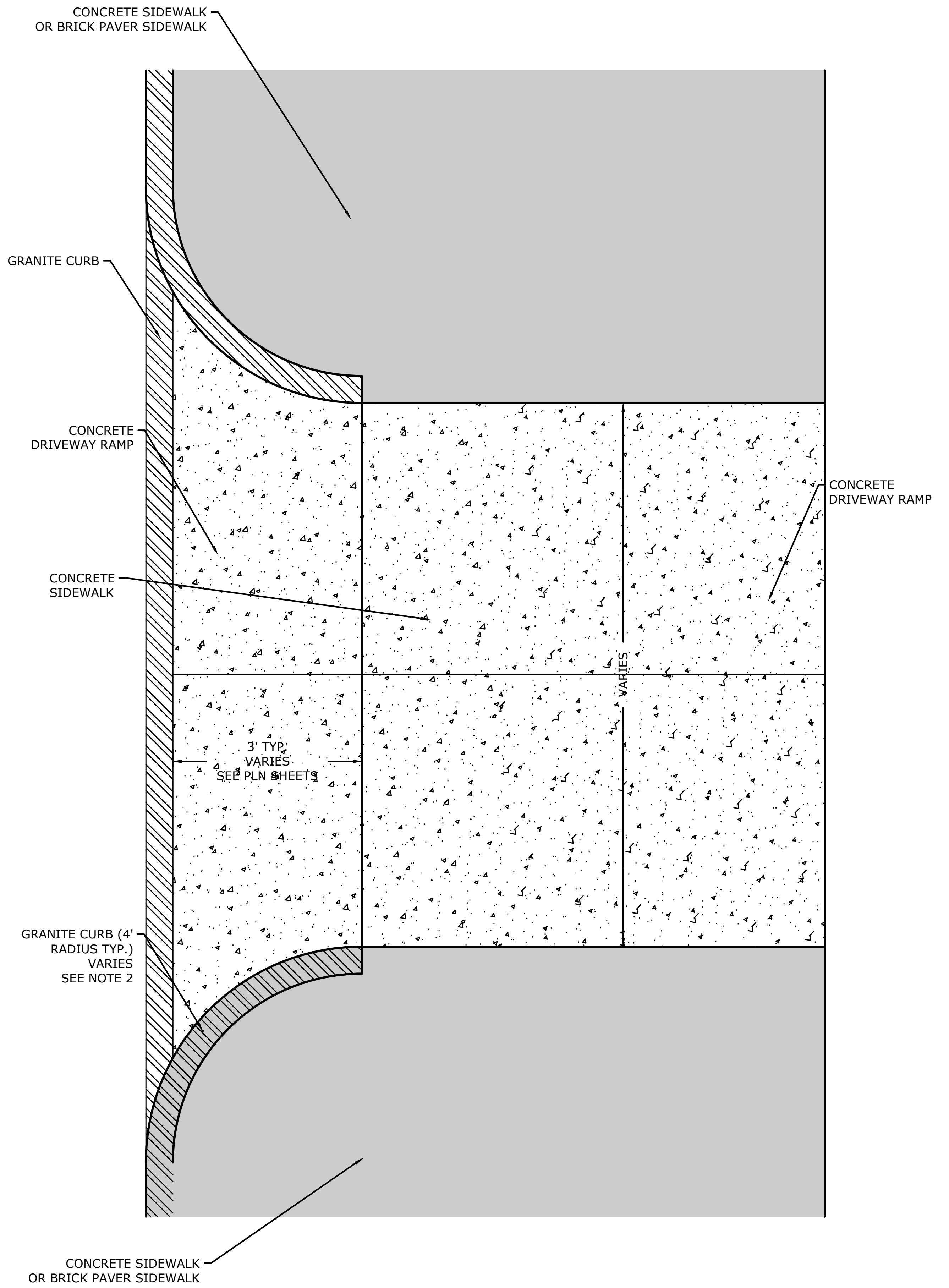
N.T.S.

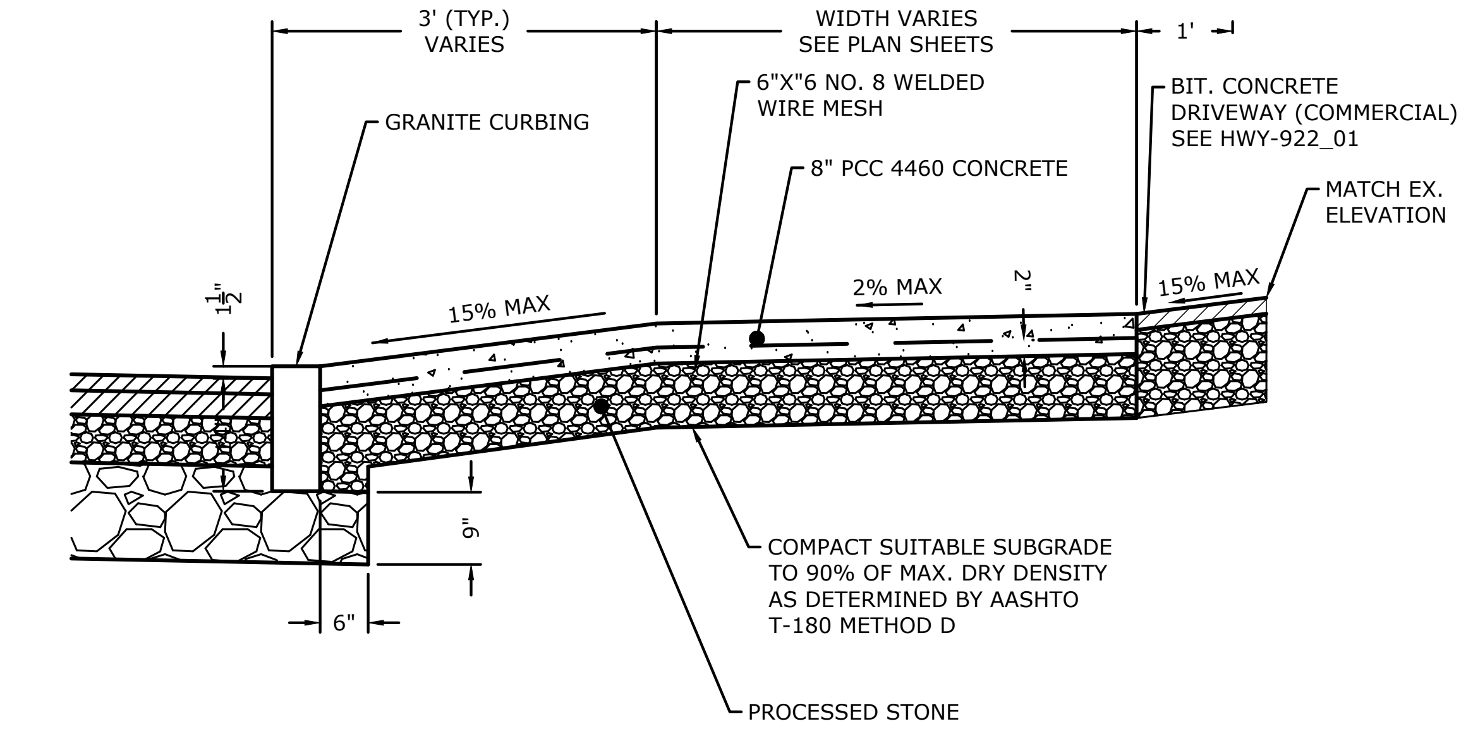

SAWCUT AND SEAL
2'
6"X20" GRANITE CURB (SEE NOTE 1)
SIDEWALK OR TURF
6"
TACK COAT ALL EXPOSED SURFACES
2" HMA S0.5 OVER 3" HMA S0.5 TRAFFIC LEVEL 2
18" PROCESSED AGGREGATE BASE
6"
6"
6"
6"
6"
PCC 3360 CONCRETE (SEE NOTES 2 & 3)

NOTE:
1. GRANITE CURB TO BE 6"X18" IN STRAIGHT SECTIONS AND 6"X20" IN CURVED SECTIONS
2. FOR STRAIGHT CURBING, PLACE CONCRETE ONLY AT JOINTS, REMAINDER PROCESSED AGGREGATE
3. FOR RADIUS CURBING (R<100') PLACE GRANITE CURVED STONE CURBING.
4. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS.
5. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.
6. GEOTEXTILE, WHERE CALLED FOR BY THE ENGINEER SHALL BE HIGH SURVIVABILITY SEPARATION GEOTEXTILE LISTED ON THE DEPARTMENT'S QUALIFIED PRODUCTS LIST.

GRANITE CURBING WITH BITUMINOUS CONCRETE PATCHING

N.T.S.


CONCRETE SIDEWALK OR BRICK PAVER SIDEWALK
GRANITE CURB
CONCRETE DRIVEWAY RAMP
CONCRETE SIDEWALK
CONCRETE DRIVEWAY RAMP
VARIES
3' TYP. VARIES SEE PLN SHEETS
GRANITE CURB (4' RADIUS TYP.) VARIES SEE NOTE 2
CONCRETE SIDEWALK OR BRICK PAVER SIDEWALK


3' (TYP.) VARIES
WIDTH VARIES SEE PLAN SHEETS
1'
GRANITE CURBING
6"X"6 NO. 8 WELDED WIRE MESH
8" PCC 4460 CONCRETE
BIT. CONCRETE DRIVEWAY (COMMERCIAL) SEE HWY-922_01
MATCH EX. ELEVATION
1 1/2"
15% MAX
2% MAX
2"
15% MAX
9"
6"
COMPACT SUITABLE SUBGRADE TO 90% OF MAX. DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD D
PROCESSED STONE

NOTE:
1. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS.
2. GRANITE CURB RETURN SHALL ONLY BE INSTALLED WHERE INDICATED ON PLANS.
3. GRANITE CURBING SHALL BE PAID UNDER ITEM NO. 0813011 - GRANITE STONE CURBING OR ITEM NO. 0813013 - GRANITE CURVED STONE CURBING.

CONCRETE DRIVEWAY APRON

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	C.L.M.
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2301944
Date	01/23/25

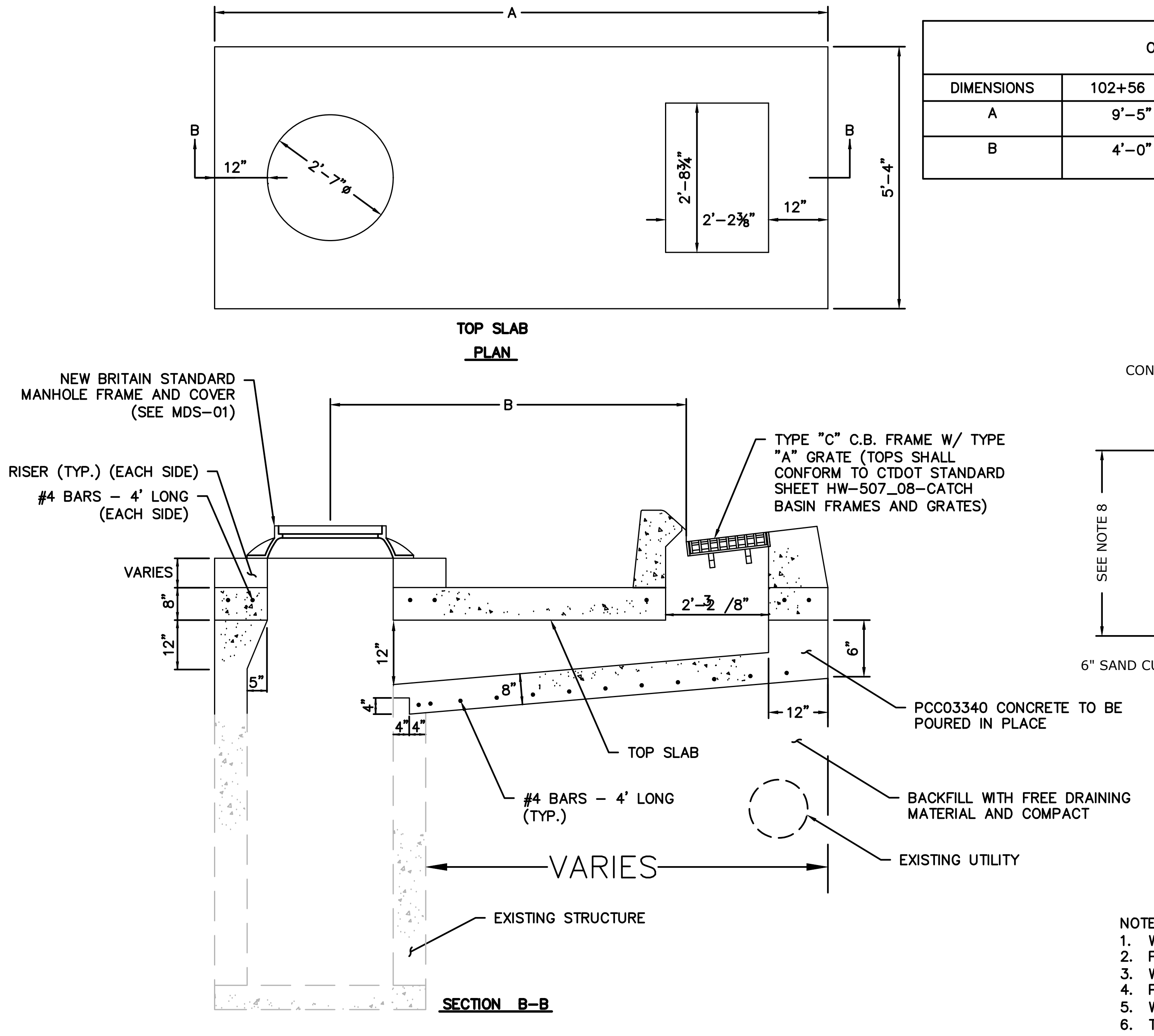
CAD File:
MDS230194401

Title
MISCELLANEOUS DETAILS

Sheet No.
MDS-01

Xref (s): : BD230194401

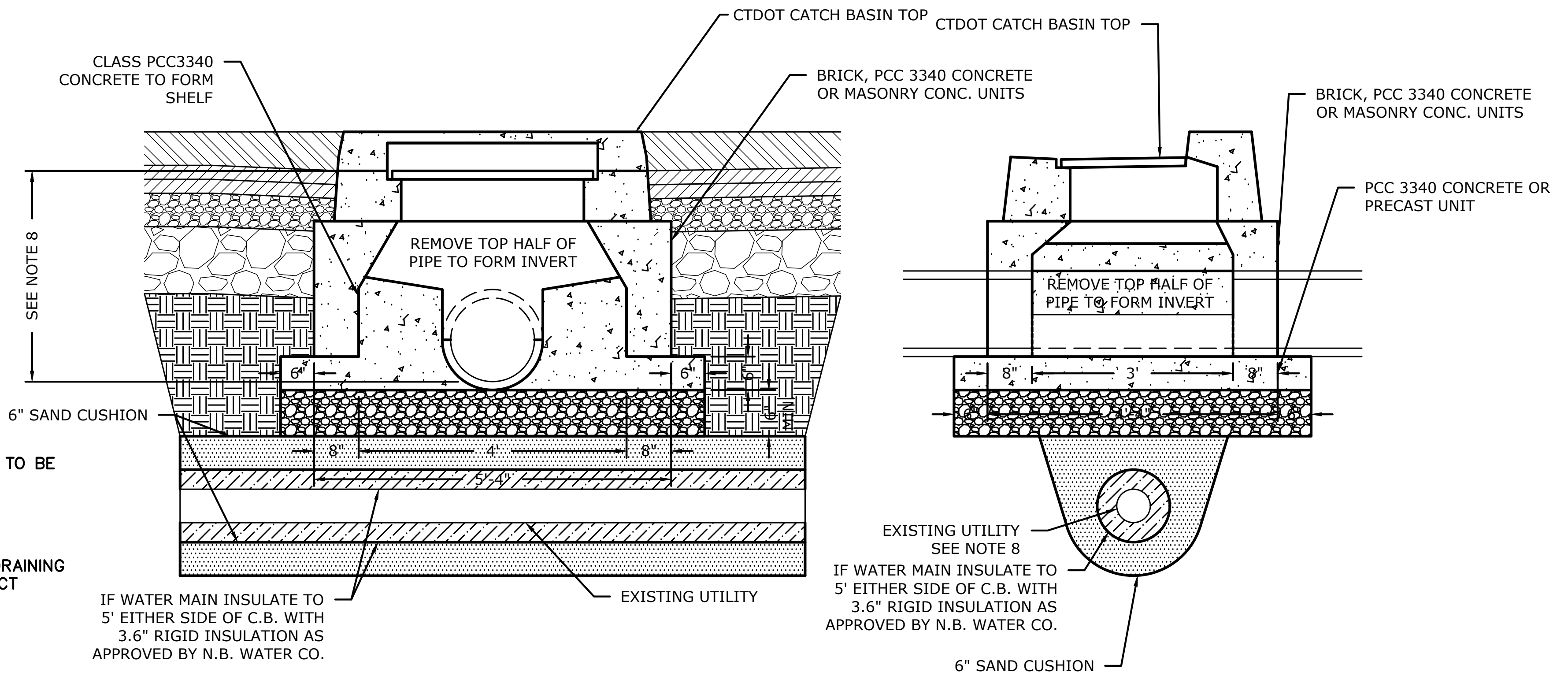
1/23/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\MDS230194401.DWG.MDS-01 24X36 NTS.


A
B
12"
2'-7"ø
2'-8¾"
2'-2⅜"
12"
5'-4"
TOP SLAB
PLAN
NEW BRITAIN STANDARD MANHOLE FRAME AND COVER (SEE MDS-01)
B
RISER (TYP.) (EACH SIDE)
#4 BARS – 4' LONG (EACH SIDE)
TYPE "C" C.B. FRAME W/ TYPE "A" GRATE (TOPS SHALL CONFORM TO CTDOT STANDARD SHEET HW-507_08-CATCH BASIN FRAMES AND GRATES)
VARIES
8"
12"
5"
12"
2'-2 3/8"
6"
8"
4"
4" 4"
12"
PCC03340 CONCRETE TO BE POURED IN PLACE
TOP SLAB
#4 BARS – 4' LONG (TYP.)
BACKFILL WITH FREE DRAINING MATERIAL AND COMPACT
VARIES
EXISTING UTILITY
EXISTING STRUCTURE
SECTION B-B

OFFSET CATCH BASIN DIMENSIONS				
DIMENSIONS	102+56 RT	103+13 RT	107+13 RT	121+24 RT
A	9'-5"	9'-4"	9'-4"	12'-1"
B	4'-0"	3'-10"	3'-10"	7'-8"

CONVERT CATCH BASIN TO OFFSET CATCH BASIN

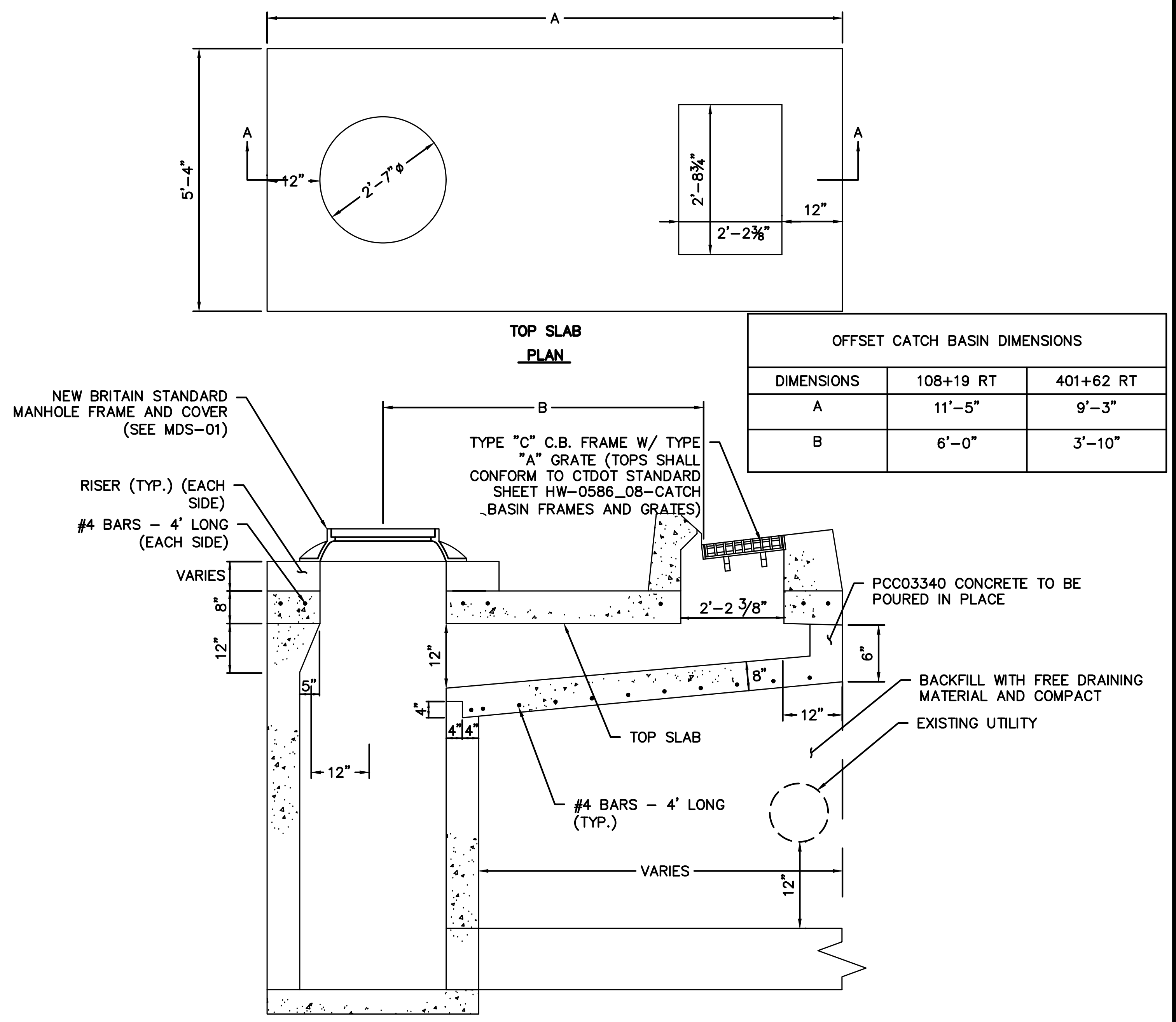
N.T.S


CTDOT CATCH BASIN TOP
CTDOT CATCH BASIN TOP
CLASS PCC3340 CONCRETE TO FORM SHELF
BRICK, PCC 3340 CONCRETE OR MASONRY CONC. UNITS
BRICK, PCC 3340 CONCRETE OR MASONRY CONC. UNITS
PCC 3340 CONCRETE OR PRECAST UNIT
SEE NOTE 8
REMOVE TOP HALF OF PIPE TO FORM INVERT
REMOVE TOP HALF OF PIPE TO FORM INVERT
6"
6"
6" MIN.
6" SAND CUSHION
8"
4'
8"
5'-4"
8"
3'
8"
EXISTING UTILITY SEE NOTE 8
IF WATER MAIN INSULATE TO 5' EITHER SIDE OF C.B. WITH 3.6" RIGID INSULATION AS APPROVED BY N.B. WATER CO.
EXISTING UTILITY
IF WATER MAIN INSULATE TO 5' EITHER SIDE OF C.B. WITH 3.6" RIGID INSULATION AS APPROVED BY N.B. WATER CO.
6" SAND CUSHION

NOTES:
1. WALLS OF CATCH BASIN OVER 10' DEEP SHALL BE INCREASED TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF LIMITS NOTED BY **.
4. PRECAST CONCRETE CATCH BASIN UNITS MAY BE USED, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
5. WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.
8. CONTRACTOR TO FIELD MEASURE THE LOCATION OF THE EXISTING UTILITY PRIOR TO INSTALLATION TO DETERMINE DEPTH OF PROPOSED PIPE INVERT.

DOGHOUSE CATCH BASIN

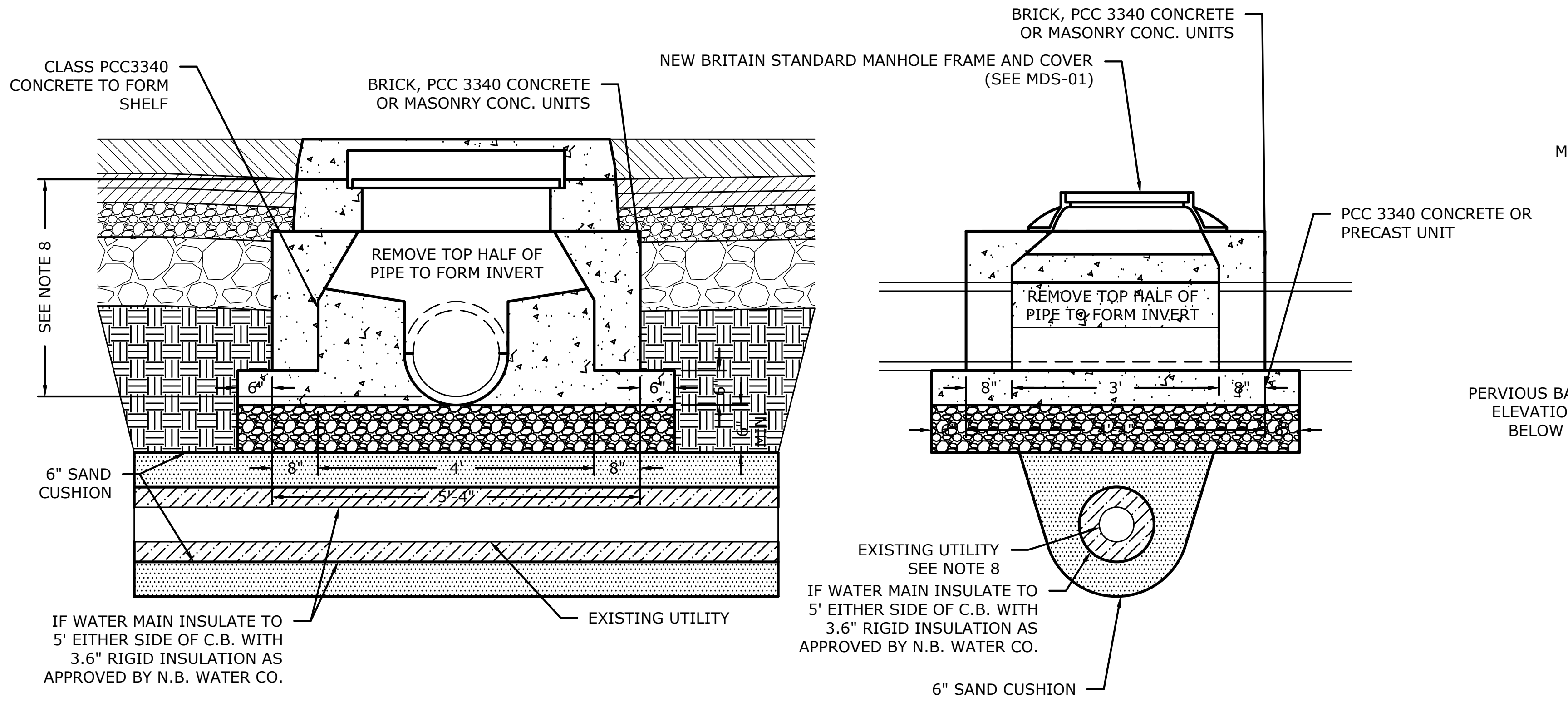
N.T.S


A
5'-4"
A
12"
2'-7"ø
2'-8¾"
2'-2⅜"
12"
A
TOP SLAB
PLAN
NEW BRITAIN STANDARD MANHOLE FRAME AND COVER (SEE MDS-01)
B
TYPE "C" C.B. FRAME W/ TYPE "A" GRATE (TOPS SHALL CONFORM TO CTDOT STANDARD SHEET HW-0586_08-CATCH BASIN FRAMES AND GRATES)
RISER (TYP.) (EACH SIDE)
#4 BARS – 4' LONG (EACH SIDE)
VARIES
8"
12"
5"
12"
12"
2'-2 3/8"
PCC03340 CONCRETE TO BE POURED IN PLACE
6"
8"
4"
4" 4"
12"
BACKFILL WITH FREE DRAINING MATERIAL AND COMPACT
EXISTING UTILITY
TOP SLAB
#4 BARS – 4' LONG (TYP.)
VARIES
12"

OFFSET CATCH BASIN DIMENSIONS		
DIMENSIONS	108+19 RT	401+62 RT
A	11'-5"	9'-3"
B	6'-0"	3'-10"

OFFSET CATCH BASIN

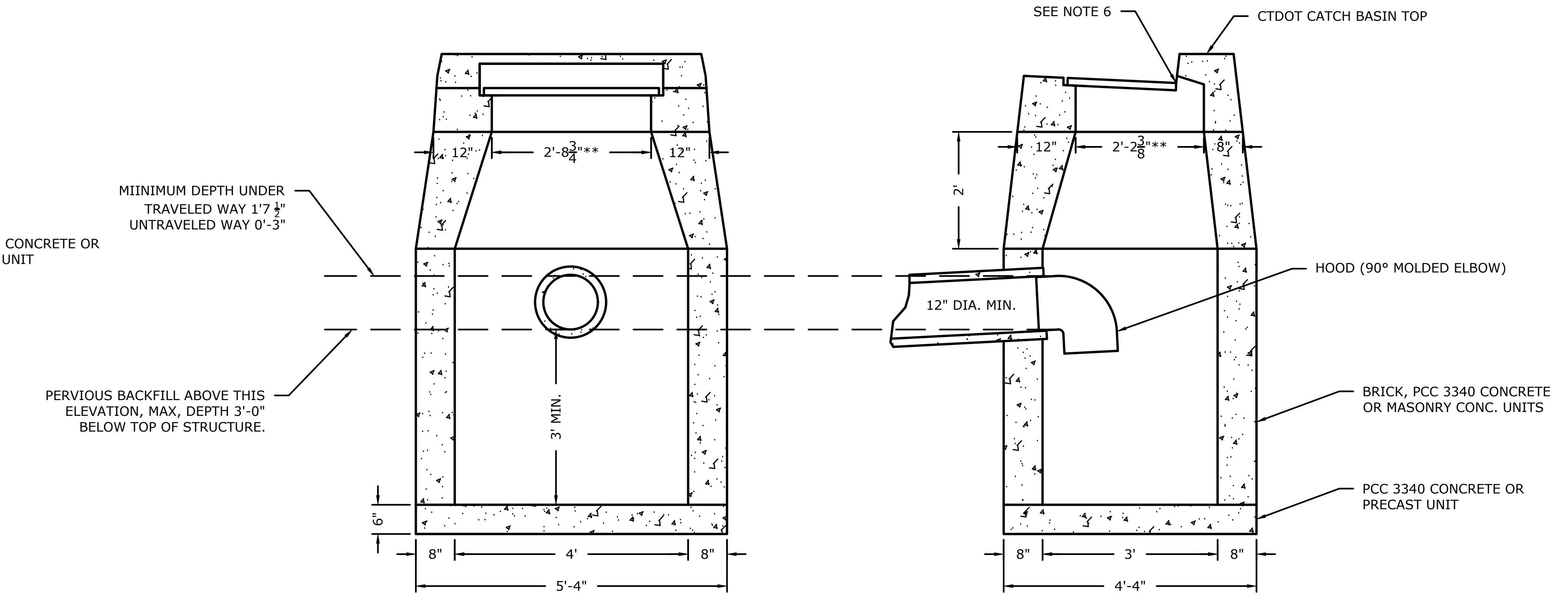
N.T.S.


BRICK, PCC 3340 CONCRETE OR MASONRY CONC. UNITS
NEW BRITAIN STANDARD MANHOLE FRAME AND COVER (SEE MDS-01)
CLASS PCC3340 CONCRETE TO FORM SHELF
BRICK, PCC 3340 CONCRETE OR MASONRY CONC. UNITS
PCC 3340 CONCRETE OR PRECAST UNIT
SEE NOTE 8
REMOVE TOP HALF OF PIPE TO FORM INVERT
REMOVE TOP HALF OF PIPE TO FORM INVERT
6"
6"
6" MIN.
8"
4'
8"
5'-4"
8"
3'
8"
6" SAND CUSHION
EXISTING UTILITY SEE NOTE 8
IF WATER MAIN INSULATE TO 5' EITHER SIDE OF C.B. WITH 3.6" RIGID INSULATION AS APPROVED BY N.B. WATER CO.
EXISTING UTILITY
IF WATER MAIN INSULATE TO 5' EITHER SIDE OF C.B. WITH 3.6" RIGID INSULATION AS APPROVED BY N.B. WATER CO.
6" SAND CUSHION

NOTES:
1. WALLS OF MANHOLE OVER 10' DEEP SHALL BE INCREASED TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF LIMITS NOTED BY **.
4. PRECAST CONCRETE CATCH BASIN UNITS MAY BE USED, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
5. WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.
8. CONTRACTOR TO FIELD MEASURE THE LOCATION OF THE EXISTING UTILITY PRIOR TO INSTALLATION TO DETERMINE DEPTH OF PROPOSED PIPE INVERT.

DOGHOUSE MANHOLE

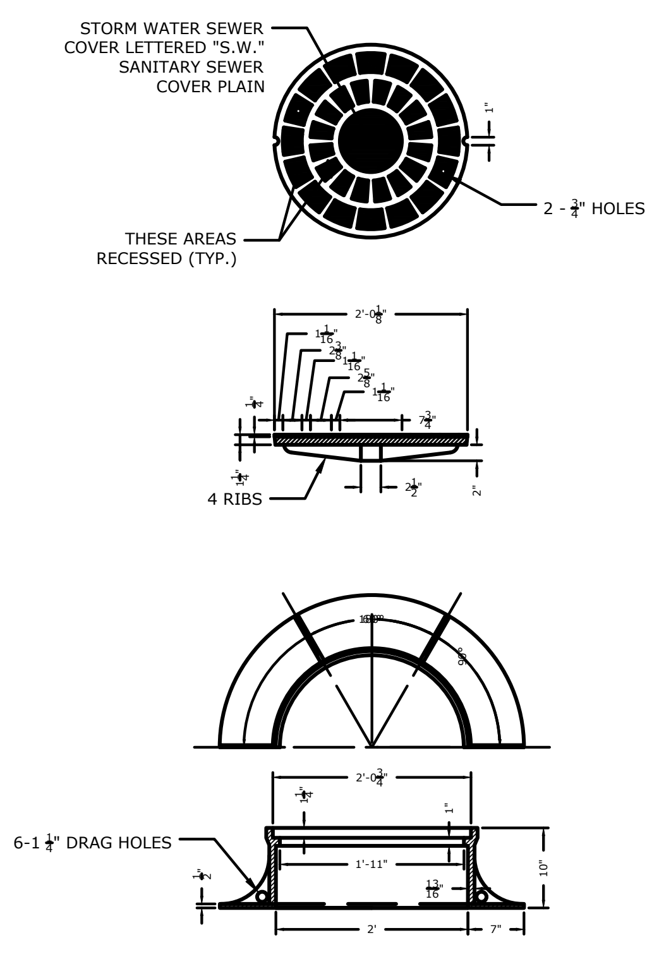
N.T.S


SEE NOTE 6
CTDOT CATCH BASIN TOP
12"
2'-8¾"**
12"
12"
2'-2⅜"**
8"
2'
MIINIMUM DEPTH UNDER TRAVELED WAY 1'7 ½" UNTRAVELED WAY 0'-3"
HOOD (90° MOLDED ELBOW)
12" DIA. MIN.
PERVIOUS BACKFILL ABOVE THIS ELEVATION, MAX, DEPTH 3'-0" BELOW TOP OF STRUCTURE.
3' MIN.
BRICK, PCC 3340 CONCRETE OR MASONRY CONC. UNITS
PCC 3340 CONCRETE OR PRECAST UNIT
6"
8"
4'
8"
5'-4"
8"
3'
8"
4'-4"

NOTES:
1. WALLS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF LIMITS NOTED BY **.
4. PRECAST CONCRETE CATCH BASIN UNITS MAY BE USED, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
5. WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.

CATCH BASIN

N.T.S



NEW BRITAIN STANDARD MANHOLE AND COVER

N.T.S

1/23/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\MDS230194401.DWG,MDS-02 24X36 NTS.

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Hartford, CT 06103
(860) 249-2200
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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS		
No.	Date	Desc.

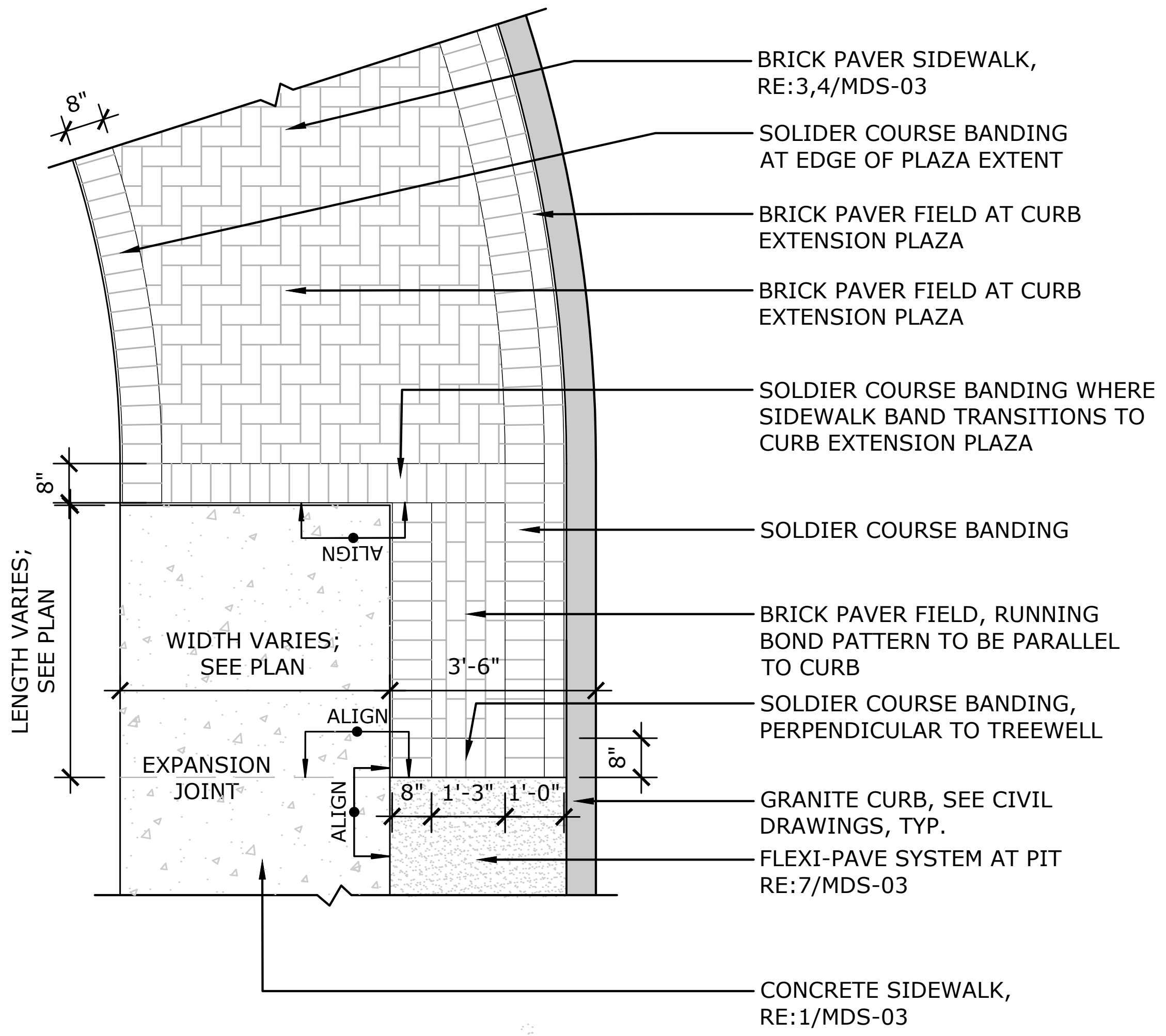
Designed	C.L.M.
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2301944
Date	01/23/25

CAD File:
MDS230194401

Title
MISCELLANEOUS DETAILS

Sheet No.
MDS-02

Xref (s): : BD230194401

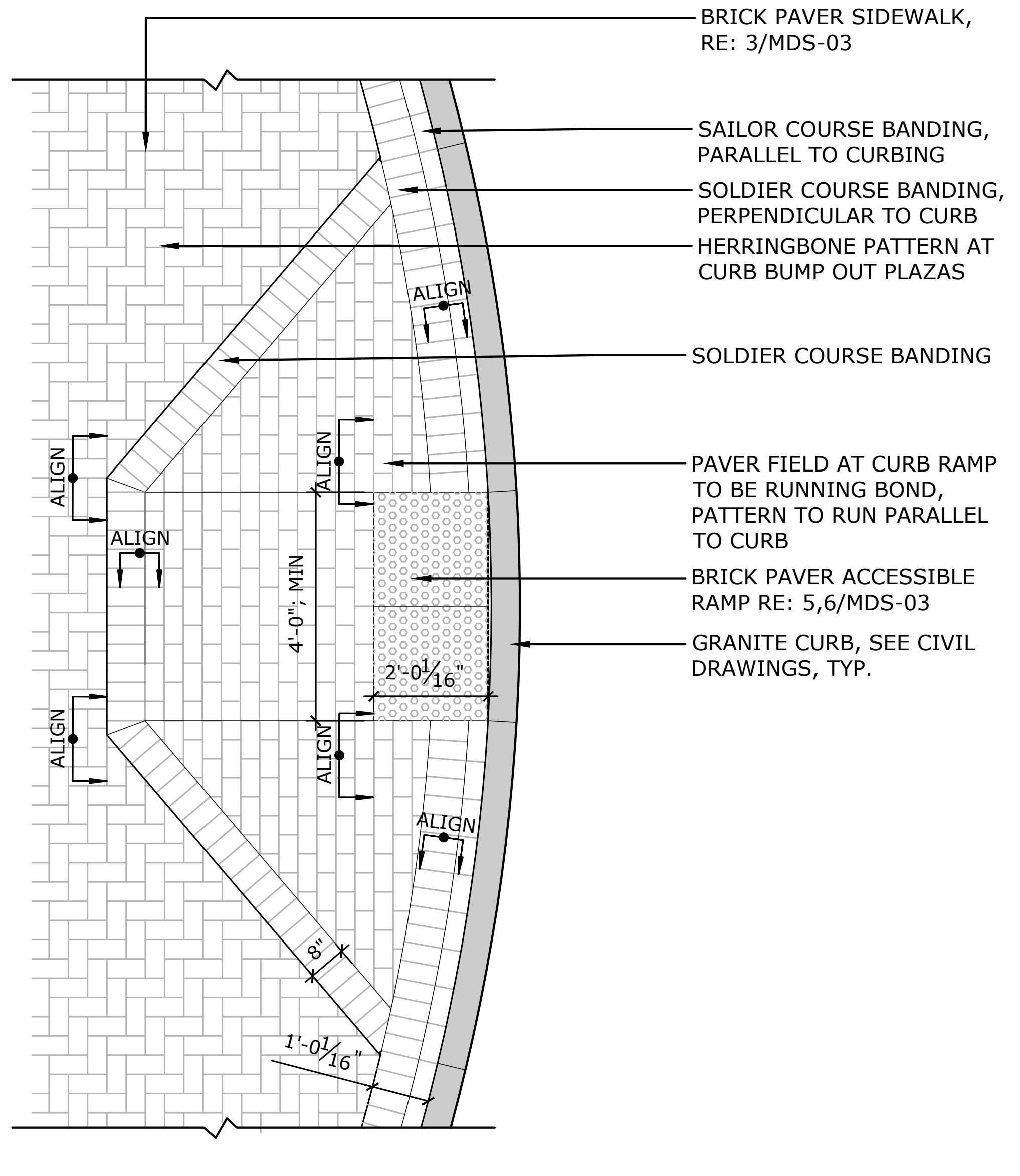

8"
BRICK PAVER SIDEWALK, RE:3,4/MDS-03
SOLIDER COURSE BANDING AT EDGE OF PLAZA EXTENT
BRICK PAVER FIELD AT CURB EXTENSION PLAZA
BRICK PAVER FIELD AT CURB EXTENSION PLAZA
SOLDIER COURSE BANDING WHERE SIDEWALK BAND TRANSITIONS TO CURB EXTENSION PLAZA
8"
ALIGN
SOLDIER COURSE BANDING
LENGTH VARIES; SEE PLAN
WIDTH VARIES; SEE PLAN
3'-6"
BRICK PAVER FIELD, RUNNING BOND PATTERN TO BE PARALLEL TO CURB
ALIGN
SOLDIER COURSE BANDING, PERPENDICULAR TO TREEWELL
EXPANSION JOINT
ALIGN
8"
8"
1'-3"
1'-0"
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
FLEXI-PAVE SYSTEM AT PIT RE:7/MDS-03
CONCRETE SIDEWALK, RE:1/MDS-03

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

10 BRICK PAVING PATTERN AT SIDEWALK BAND

3/8" = 1'-0"

P-2024-001-22

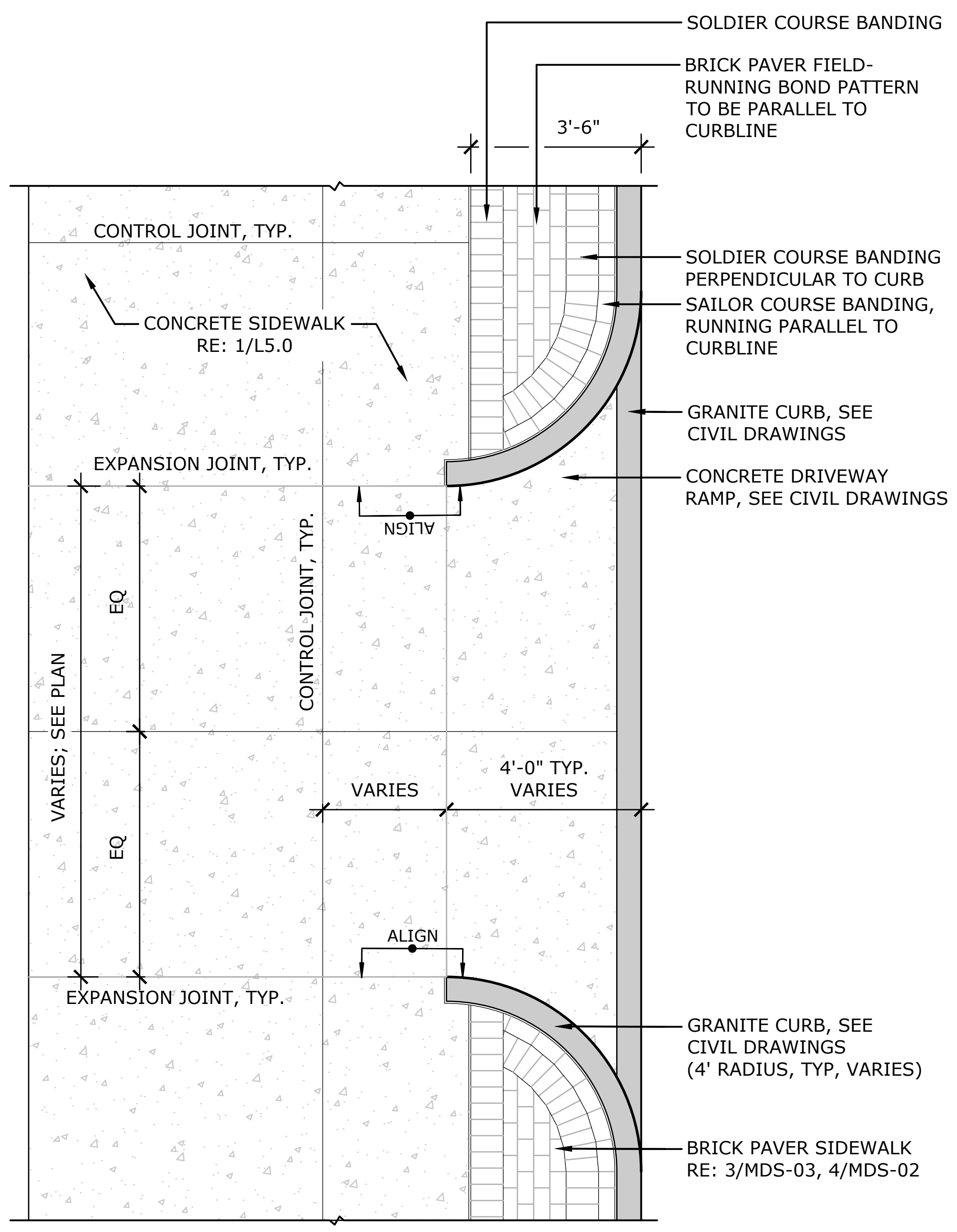

BRICK PAVER SIDEWALK, RE: 3/MDS-03
SAILOR COURSE BANDING, PARALLEL TO CURBING
SOLDIER COURSE BANDING, PERPENDICULAR TO CURB
HERRINGBONE PATTERN AT CURB BUMP OUT PLAZAS
ALIGN
SOLDIER COURSE BANDING
ALIGN
ALIGN
PAVER FIELD AT CURB RAMP TO BE RUNNING BOND, PATTERN TO RUN PARALLEL TO CURB
ALIGN
4'-0"; MIN
BRICK PAVER ACCESSIBLE RAMP RE: 5,6/MDS-03
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
2'-0 1/16"
ALIGN
ALIGN
ALIGN
8"
1'-0 1/16"

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

9 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP

3/8" = 1'-0"

P-2024-001-20

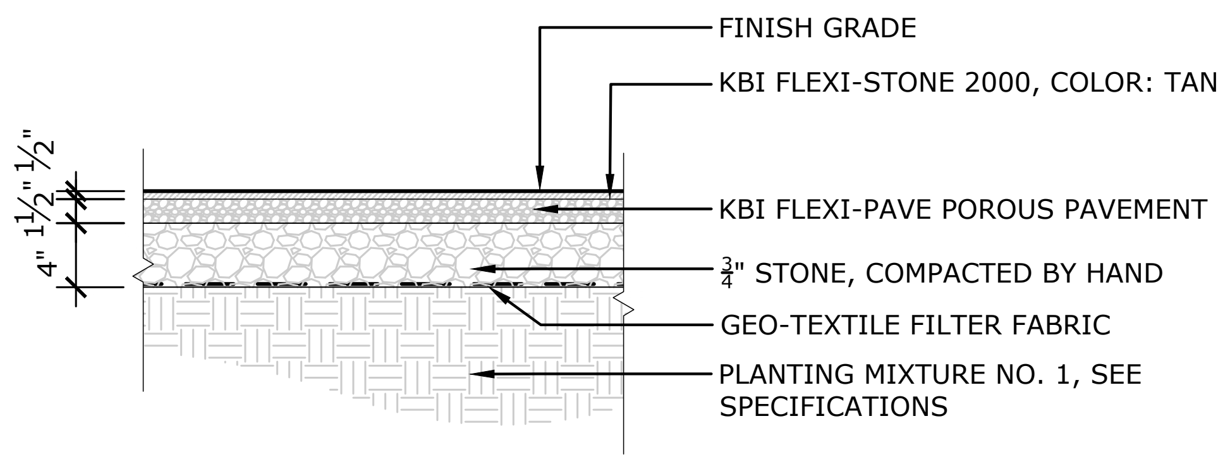

SOLDIER COURSE BANDING
BRICK PAVER FIELD- RUNNING BOND PATTERN TO BE PARALLEL TO CURBLINE
3'-6"
CONTROL JOINT, TYP.
SOLDIER COURSE BANDING PERPENDICULAR TO CURB
SAILOR COURSE BANDING, RUNNING PARALLEL TO CURBLINE
CONCRETE SIDEWALK RE: 1/L5.0
GRANITE CURB, SEE CIVIL DRAWINGS
CONCRETE DRIVEWAY RAMP, SEE CIVIL DRAWINGS
EXPANSION JOINT, TYP.
ALIGN
EQ
CONTROL JOINT, TYP.
VARIES, SEE PLAN
VARIES
4'-0" TYP. VARIES
EQ
ALIGN
EXPANSION JOINT, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS (4' RADIUS, TYP, VARIES)
BRICK PAVER SIDEWALK RE: 3/MDS-03, 4/MDS-02

NOTE:
1. ALL PATTERNS TO BE INCLUDED IN COST OF BRICK PAVER SIDEWALK
2. FIELD PATTERN TO BE APPROVED BY THE LANDSCAPE ARCHITECT
3. FULL PAVERS TO START AT EDGE CLOSES 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. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION

8 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON

3/8" = 1'-0"

P-2024-001-19


FINISH GRADE
KBI FLEXI-STONE 2000, COLOR: TAN
1/2"
1 1/2"
4"
KBI FLEXI-PAVE POROUS PAVEMENT
3/4" STONE, COMPACTED BY HAND
GEO-TEXTILE FILTER FABRIC
PLANTING MIXTURE NO. 1, SEE SPECIFICATIONS

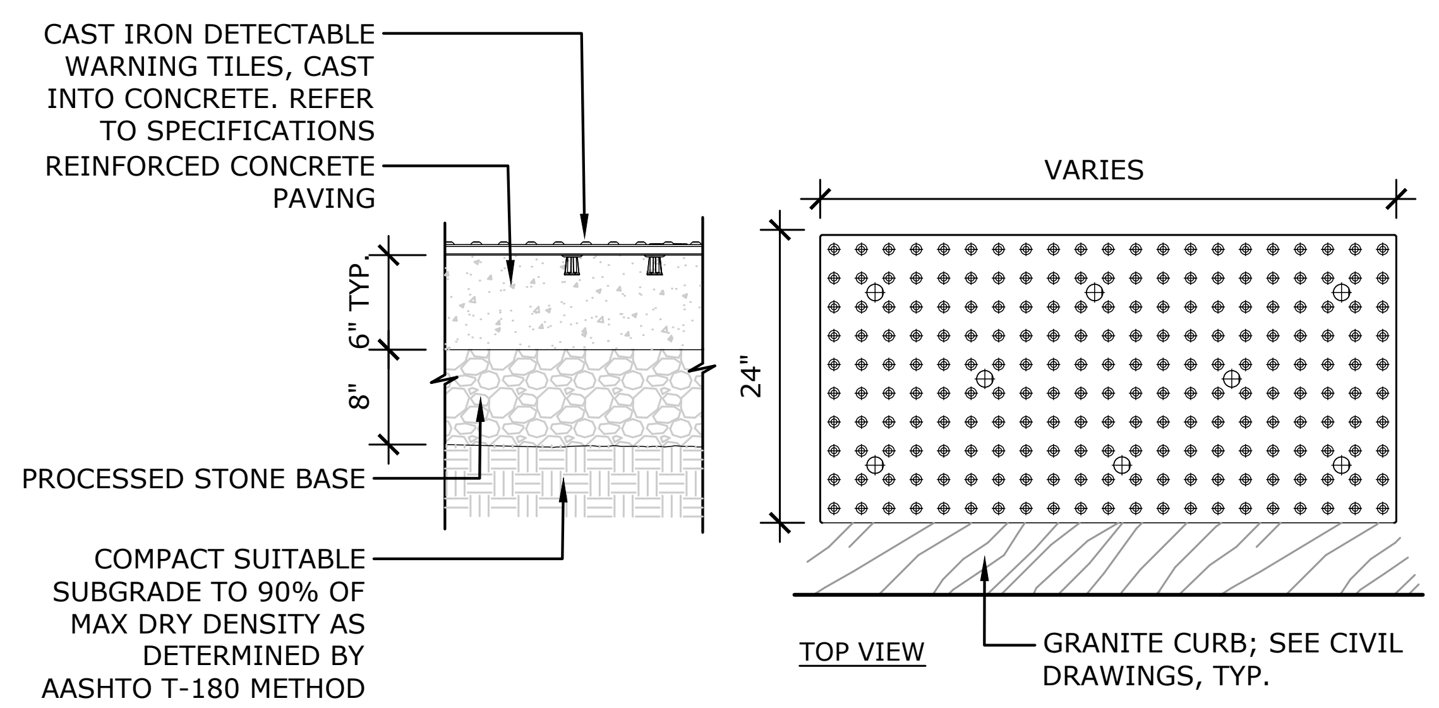
NOTES:
1. PROVIDE ALUMINUM EDGING ALONG LIMITS OF RESIN-BOUND PAVEMENT IS NOT BOUND BY WALLS, CURBS, OR RIGID PAVING SYSTEMS; SEE PLANS FOR LOCATIONS.

7 FLEXI-PAVE SYSTEM AT TREEWELL

1" = 1'-0"

P-2024-001-15

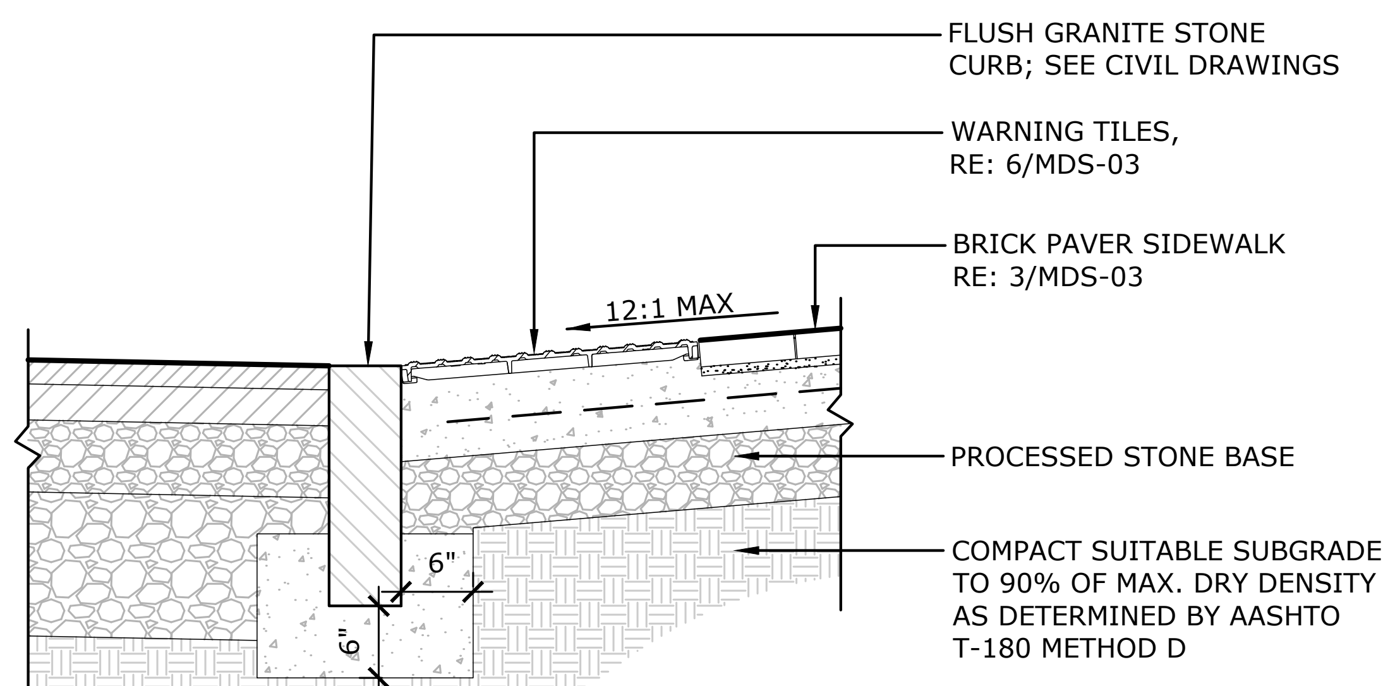
NOTE:
1. THE DETECTABLE WARNING STRIP SHALL BE A PREFABRICATED DETECTABLE WARNING SURFACE TILE THAT IS CAST-IN-PLACE TYPE AS MANUFACTURED FROM ALRETTILE DETECTABLE WARNING SYSTEMS, ADA SOLUTIONS, OR APPROVED EQUAL. THE TILE SHALL HAVE A BRICK RED HOMOGENEOUS COLOR IN COMPLIANCE WITH FEDERAL STANDARD 595A COLOR #2144 OR APPROVED EQUAL.


CAST IRON DETECTABLE WARNING TILES, CAST INTO CONCRETE. REFER TO SPECIFICATIONS
REINFORCED CONCRETE PAVING
6" TYP.
8"
PROCESSED STONE BASE
COMPACT SUITABLE SUBGRADE TO 90% OF MAX DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD
VARIES
24"
TOP VIEW
GRANITE CURB; SEE CIVIL DRAWINGS, TYP.

6 WARNING TILES

3/4" = 1'-0"

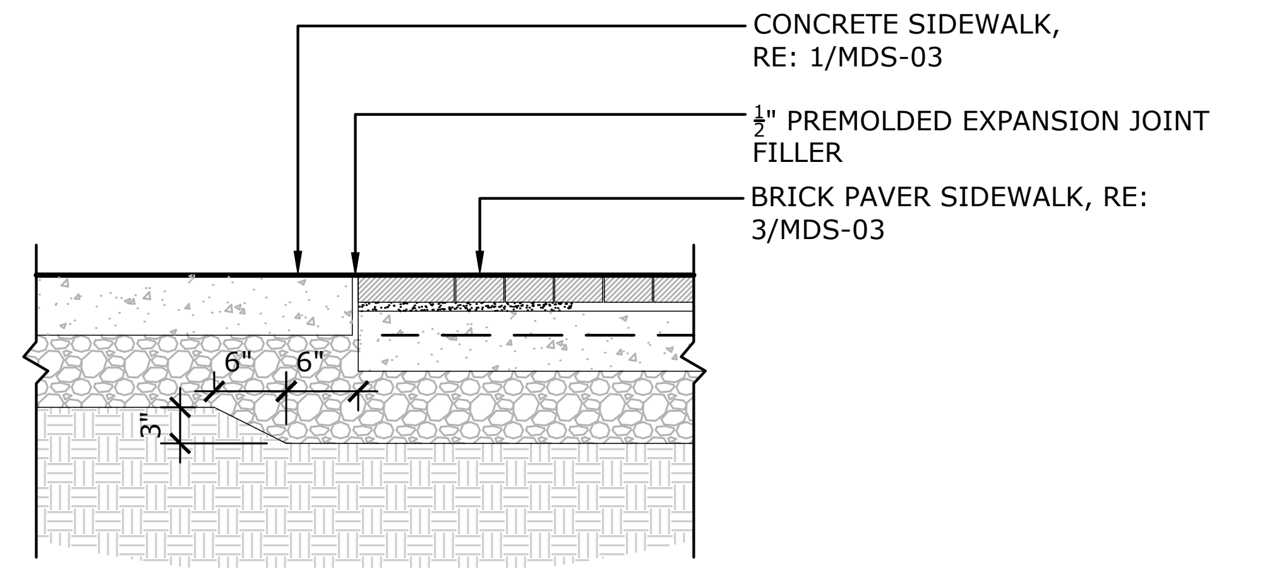
P-2024-001-16


FLUSH GRANITE STONE CURB; SEE CIVIL DRAWINGS
WARNING TILES, RE: 6/MDS-03
BRICK PAVER SIDEWALK RE: 3/MDS-03
12:1 MAX
PROCESSED STONE BASE
COMPACT SUITABLE SUBGRADE TO 90% OF MAX. DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD D
6"
6"

5 BRICK PAVER ACCESSIBLE RAMP

3/4" = 1'-0"

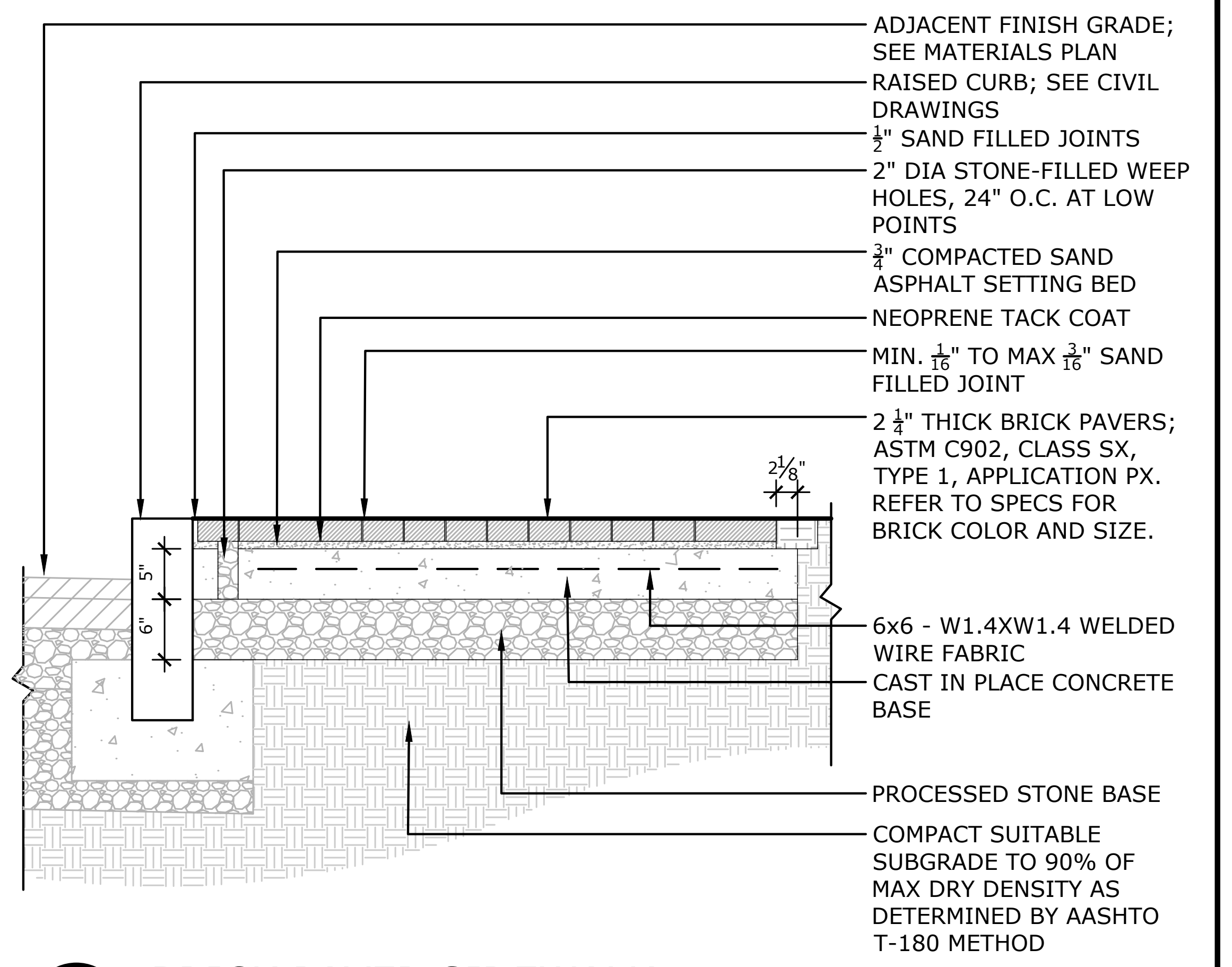
P-2024-001-18


CONCRETE SIDEWALK, RE: 1/MDS-03
1/2" PREMOLDED EXPANSION JOINT FILLER
BRICK PAVER SIDEWALK, RE: 3/MDS-03
6"
6"
3"

4 BRICK TO CONCRETE DRIVE APRON TRANSITION

3/4" = 1'-0"

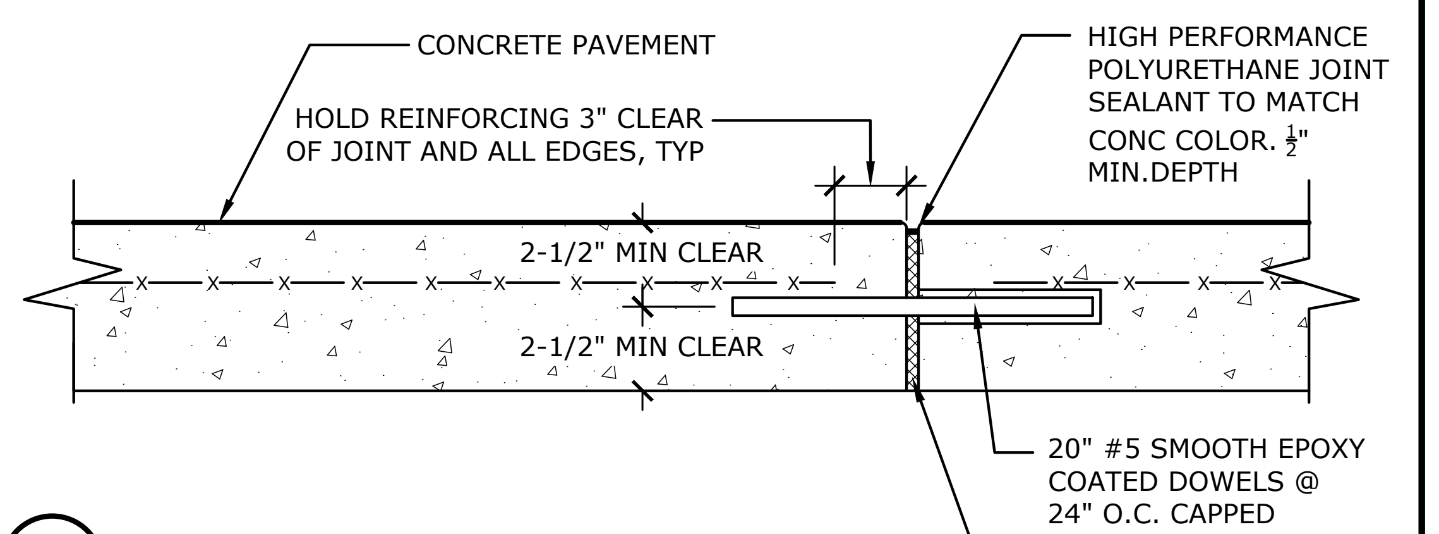
P-2024-001-17


ADJACENT FINISH GRADE; SEE MATERIALS PLAN
RAISED CURB; SEE CIVIL DRAWINGS
1/2" SAND FILLED JOINTS
2" DIA STONE-FILLED WEEP HOLES, 24" O.C. AT LOW POINTS
3/4" COMPACTED SAND ASPHALT SETTING BED
NEOPRENE TACK COAT
MIN. 1/16" TO MAX 3/16" SAND FILLED JOINT
2 1/4" THICK BRICK PAVERS; ASTM C902, CLASS SX, TYPE 1, APPLICATION PX. REFER TO SPECS FOR BRICK COLOR AND SIZE.
2 1/8"
5"
6"
6x6 - W1.4XW1.4 WELDED WIRE FABRIC
CAST IN PLACE CONCRETE BASE
PROCESSED STONE BASE
COMPACT SUITABLE SUBGRADE TO 90% OF MAX DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD

3 BRICK PAVER SIDEWALK

3/4" = 1'-0"

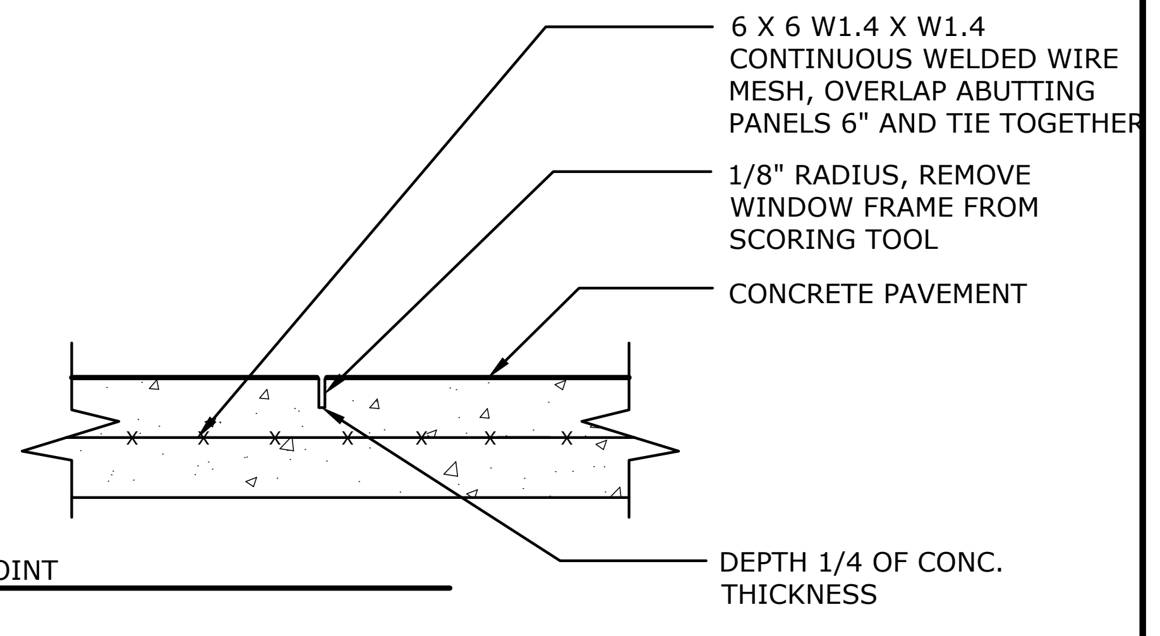
P-2024-001-36


CONCRETE PAVEMENT
HOLD REINFORCING 3" CLEAR OF JOINT AND ALL EDGES, TYP
HIGH PERFORMANCE POLYURETHANE JOINT SEALANT TO MATCH CONC COLOR. 1/2" MIN.DEPTH
2-1/2" MIN CLEAR
2-1/2" MIN CLEAR
20" #5 SMOOTH EPOXY COATED DOWELS @ 24" O.C. CAPPED

A EXPANSION JOINT

N.T.S.

$\frac{1}{2}$" PRE-MOLDED NON BITUMINOUS JOINT FILLER, FULL DEPTH


6 X 6 W1.4 X W1.4 CONTINUOUS WELDED WIRE MESH, OVERLAP ABUTTING PANELS 6" AND TIE TOGETHER
1/8" RADIUS, REMOVE WINDOW FRAME FROM SCORING TOOL
CONCRETE PAVEMENT
DEPTH 1/4 OF CONC. THICKNESS

B CONTROL JOINT

N.T.S.

NOTES:
1. SEE SITE MATERIALS PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT OF JOINTS.
2. INSTALL EXPANSION JOINTS UP TO A MAXIMUM SPACING OF 24' O.C.
3. INSTALL FULL DEPTH 1/2 PREMOLDED JOINT FILLER AND SEALANT WHERE EVER PAVEMENT ABUTS FIXED OBJECTS. CONCRETE MUST BE FULLY CURED PRIOR TO SEALING, CLEAN AND PRIME CONCRETE PER SEALANT MANUFACTURERS RECOMMENDATIONS
4. MEDIUM BRUSH FINISH PERPENDICULAR TO WALKING DIRECTION
5. REMOVE WINDOW FRAME FROM SCORING TOOL MARKS
6. DOWEL NEW WALKWAYS TO ABUTTING AND EXISTING WALKWAYS.

2 CONCRETE JOINT DETAIL

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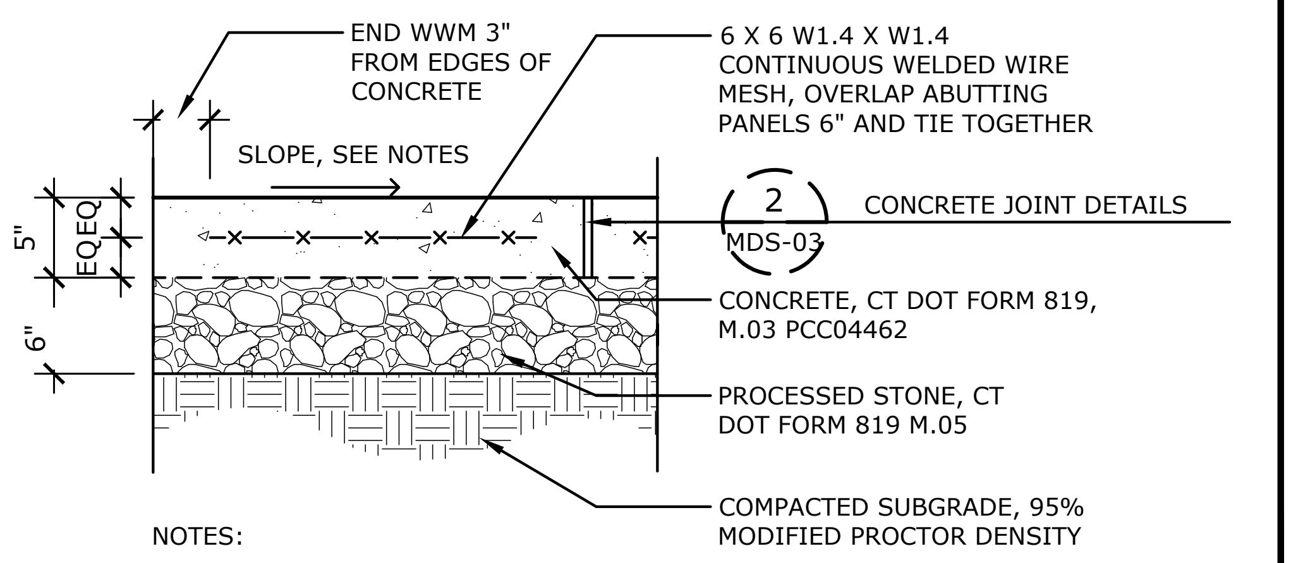
P-2024-001-07


END WWM 3" FROM EDGES OF CONCRETE
6 X 6 W1.4 X W1.4 CONTINUOUS WELDED WIRE MESH, OVERLAP ABUTTING PANELS 6" AND TIE TOGETHER
SLOPE, SEE NOTES
5"
EQ
EQ
6"
2
MDS-03
CONCRETE JOINT DETAILS
CONCRETE, CT DOT FORM 819, M.03 PCC04462
PROCESSED STONE, CT DOT FORM 819 M.05
COMPACTED SUBGRADE, 95% MODIFIED PROCTOR DENSITY

NOTES:
1. SEE SITE MATERIALS PLAN FOR EXPANSION AND CONTROL JOINT PLAN FOR JOINT LOCATIONS
2. CONCRETE SURFACES SHALL HAVE A MEDIUM BROOM FINISH, PERPENDICULAR TO THE DIRECTION OF TRAVEL
3. SEE CIVIL DRAWINGS FOR CONCRETE SLOPES AND TOLERANCES

1 CONCRETE PAVEMENT

NTS

P-2024-001-13

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	DETAILS-2024001_ARCH STREET

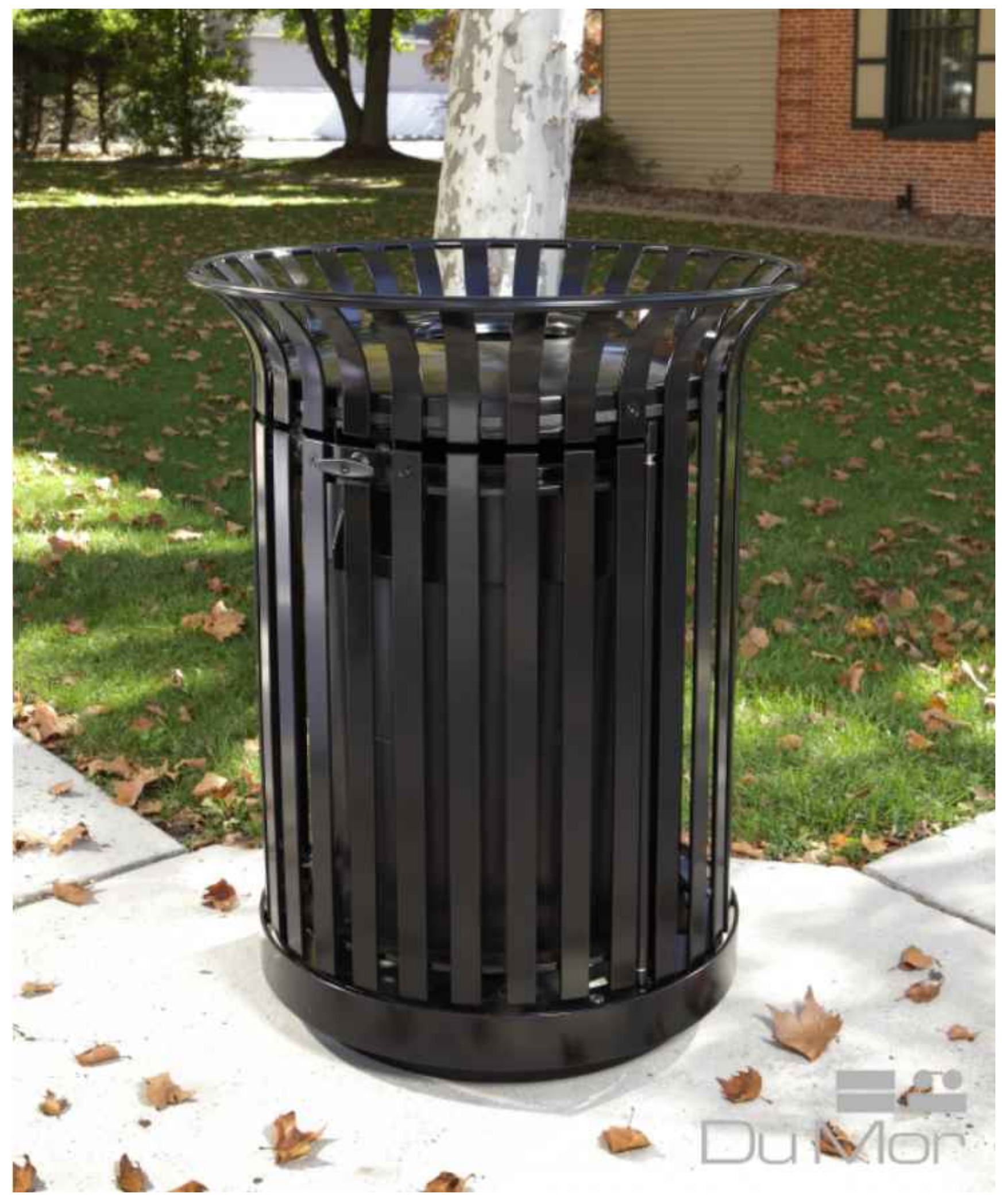
Title
SITE DETAILS

Sheet No.
MDS-03

Xref (s): ; xt-2024001-Arch Street ; xb-2024001-Arch Street

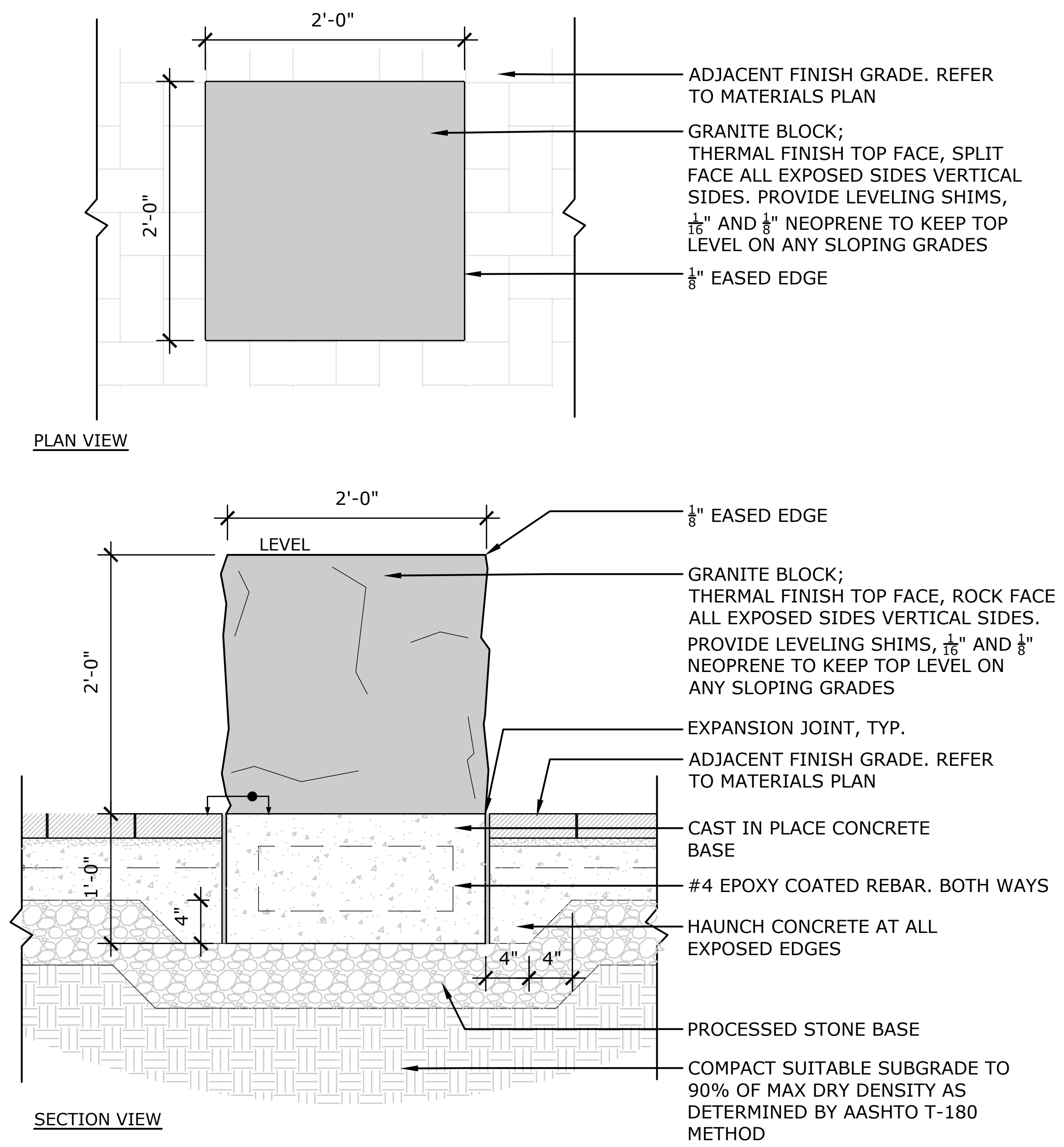
1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\DETAILS-2024001_ARCH STREET.DWG.MDS-03.

MANUFACTURER: DUMOR SITE FURNISHINGS
MOUNTING: SURFACE MOUNTED
PRODUCT TYPE: 157-32; 32 GALLON STEEL RECEPTACLE 7
157-32SH; 32 GALLON STEEL RECYCLING RECEPTACLE
WITH SHIELD
COLOR: 157-32 (POWDER COATED BLACK)
157-32SH (POWDER COATED FOREST GREEN)



7 SITE FURNISHING: TRASH AND RECYCLING

1/2" = 1'-0"
P-2024-001-21

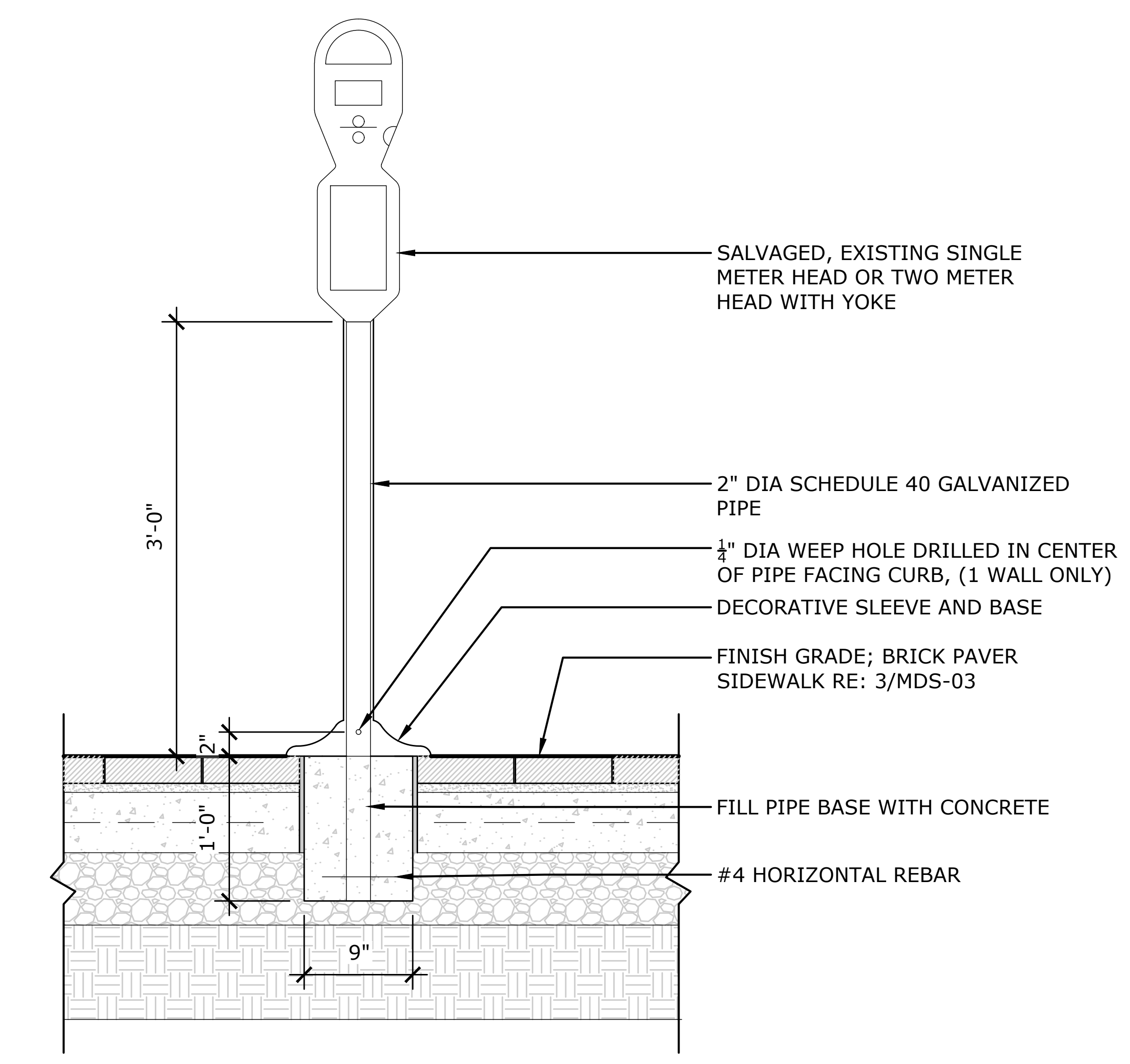


2'-0"
2'-0"
ADJACENT FINISH GRADE. REFER TO MATERIALS PLAN
GRANITE BLOCK; THERMAL FINISH TOP FACE, SPLIT FACE ALL EXPOSED SIDES VERTICAL SIDES. PROVIDE LEVELING SHIMS, 1/16" AND 1/8" NEOPRENE TO KEEP TOP LEVEL ON ANY SLOPING GRADES
1/8" EASED EDGE
PLAN VIEW
2'-0"
LEVEL
2'-0"
1'-0"
4"
4"
4"
1/8" EASED EDGE
GRANITE BLOCK; THERMAL FINISH TOP FACE, ROCK FACE ALL EXPOSED SIDES VERTICAL SIDES. PROVIDE LEVELING SHIMS, 1/16" AND 1/8" NEOPRENE TO KEEP TOP LEVEL ON ANY SLOPING GRADES
EXPANSION JOINT, TYP.
ADJACENT FINISH GRADE. REFER TO MATERIALS PLAN
CAST IN PLACE CONCRETE BASE
#4 EPOXY COATED REBAR. BOTH WAYS
HAUNCH CONCRETE AT ALL EXPOSED EDGES
PROCESSED STONE BASE
COMPACT SUITABLE SUBGRADE TO 90% OF MAX DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD
SECTION VIEW

NOTE:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION
2. LANDSCAPE ARCHITECT TO APPROVE GRANITE MATERIAL AT SOURCE PRIOR TO CONSTRUCTION.

4 GRANITE BLOCK

1" = 1'-0"
P-2024-001-11

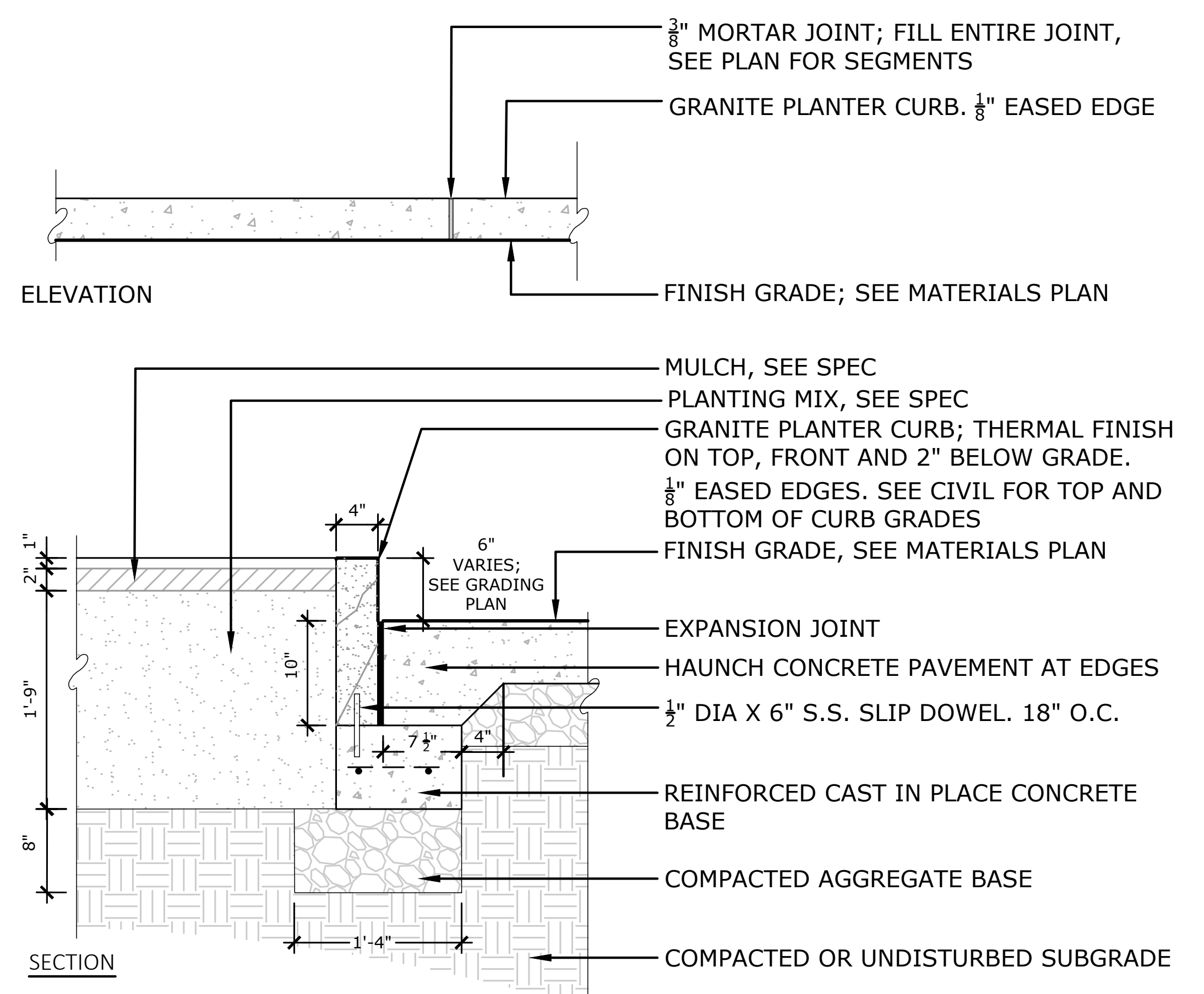


3'-0"
2"
1'-0"
9"
SALVAGED, EXISTING SINGLE METER HEAD OR TWO METER HEAD WITH YOKE
2" DIA SCHEDULE 40 GALVANIZED PIPE
1/4" DIA WEEP HOLE DRILLED IN CENTER OF PIPE FACING CURB, (1 WALL ONLY)
DECORATIVE SLEEVE AND BASE
FINISH GRADE; BRICK PAVER SIDEWALK RE: 3/MDS-03
FILL PIPE BASE WITH CONCRETE
#4 HORIZONTAL REBAR

NOTE:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION

5 RELOCATED PARKING METER

1" = 1'-0"
P-2024-001-25



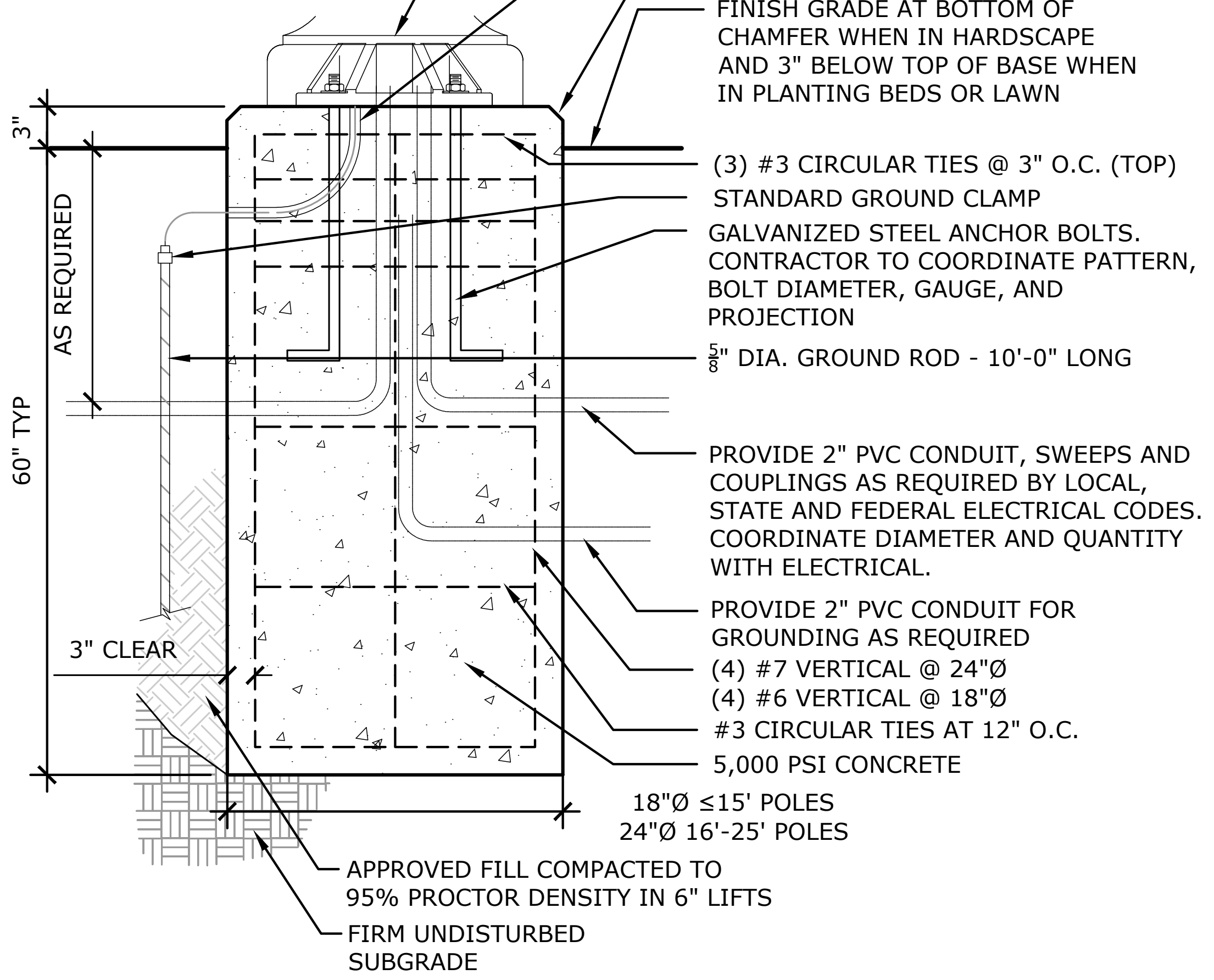
3/8" MORTAR JOINT; FILL ENTIRE JOINT, SEE PLAN FOR SEGMENTS
GRANITE PLANTER CURB. 1/8" EASED EDGE
ELEVATION
FINISH GRADE; SEE MATERIALS PLAN
MULCH, SEE SPEC
PLANTING MIX, SEE SPEC
GRANITE PLANTER CURB; THERMAL FINISH ON TOP, FRONT AND 2" BELOW GRADE. 1/8" EASED EDGES. SEE CIVIL FOR TOP AND BOTTOM OF CURB GRADES
FINISH GRADE, SEE MATERIALS PLAN
4"
6" VARIES; SEE GRADING PLAN
1"
2"
1'-9"
8"
10"
7 1/2"
4"
1'-4"
EXPANSION JOINT
HAUNCH CONCRETE PAVEMENT AT EDGES
1/2" DIA X 6" S.S. SLIP DOWEL. 18" O.C.
REINFORCED CAST IN PLACE CONCRETE BASE
COMPACTED AGGREGATE BASE
COMPACTED OR UNDISTURBED SUBGRADE
SECTION

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION. FIELD VERIFY DIMENSIONS. SEE SPECIFICATIONS.

2 GRANITE PLANTER CURB

3/4" = 1'-0"
P-2024-001-50

NOTE:
1. PROVIDE 10" X 15" POLYMER HANDHOLE, SEE SPEC, FOR EACH RELOCATED LIGHT POLE BASE
2. PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



RELOCATED EXISTING LIGHT POLE BASE AND POLE. SEE PLANS FOR LOCATIONS. LIGHT POLE TO BE REPAINTED, BLACK. COORDINATE WITH EVERSOURCE.
#2 AWG COPPER GROUND WIRE COVERED, 3/4" GALV. STEEL CONDUIT
1" CHAMFER
FINISH GRADE AT BOTTOM OF CHAMFER WHEN IN HARDSCAPE AND 3" BELOW TOP OF BASE WHEN IN PLANTING BEDS OR LAWN
3"
AS REQUIRED
60" TYP
3" CLEAR
(3) #3 CIRCULAR TIES @ 3" O.C. (TOP)
STANDARD GROUND CLAMP
GALVANIZED STEEL ANCHOR BOLTS. CONTRACTOR TO COORDINATE PATTERN, BOLT DIAMETER, GAUGE, AND PROJECTION
5/8" DIA. GROUND ROD - 10'-0" LONG
PROVIDE 2" PVC CONDUIT, SWEEPS AND COUPLINGS AS REQUIRED BY LOCAL, STATE AND FEDERAL ELECTRICAL CODES. COORDINATE DIAMETER AND QUANTITY WITH ELECTRICAL.
PROVIDE 2" PVC CONDUIT FOR GROUNDING AS REQUIRED
(4) #7 VERTICAL @ 24"Ø
(4) #6 VERTICAL @ 18"Ø
#3 CIRCULAR TIES AT 12" O.C.
5,000 PSI CONCRETE
18"Ø ≤15' POLES
24"Ø 16'-25' POLES
APPROVED FILL COMPACTED TO 95% PROCTOR DENSITY IN 6" LIFTS
FIRM UNDISTURBED SUBGRADE

6 DECORATIVE LIGHT POLE FOUNDATION

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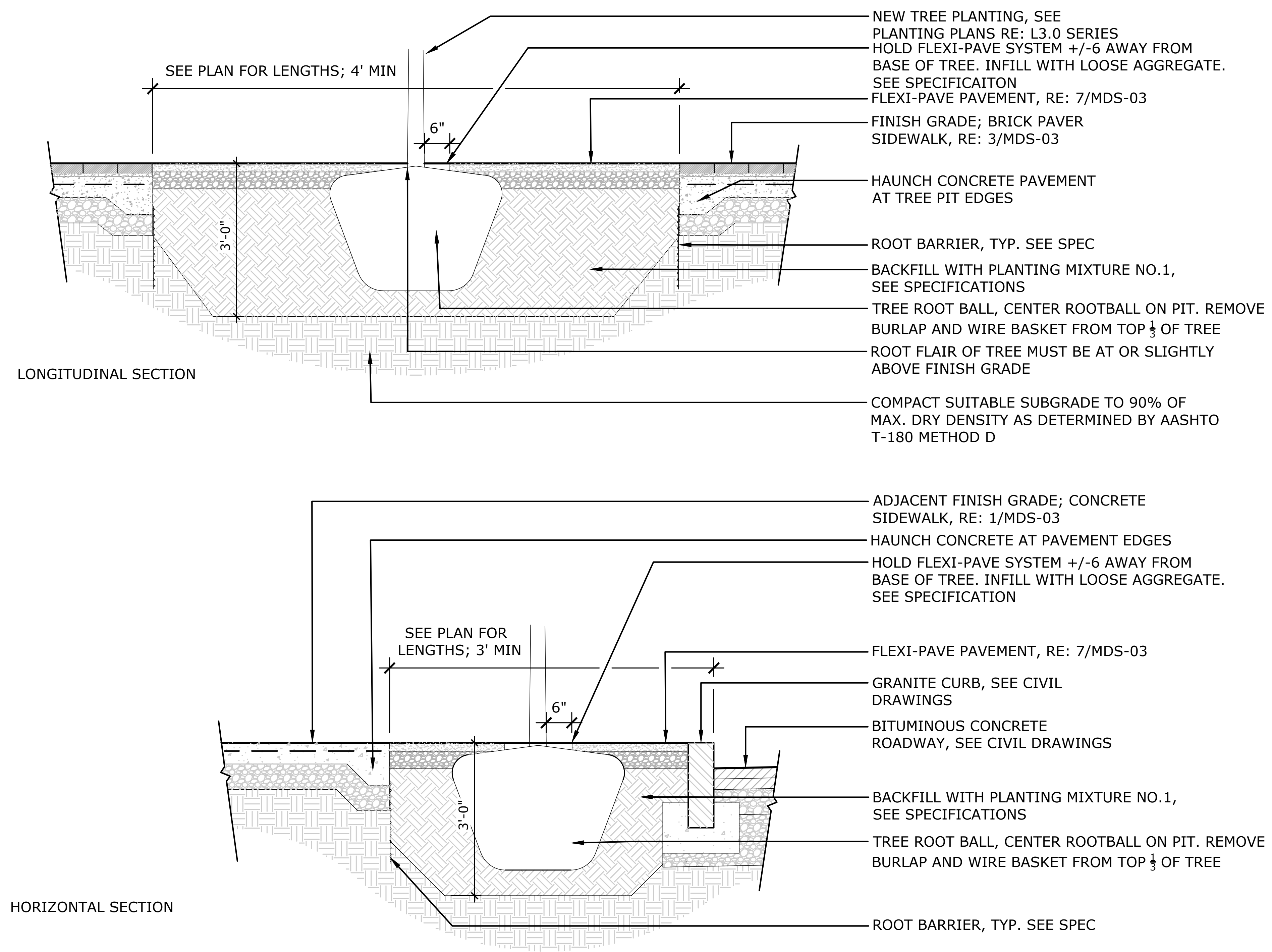
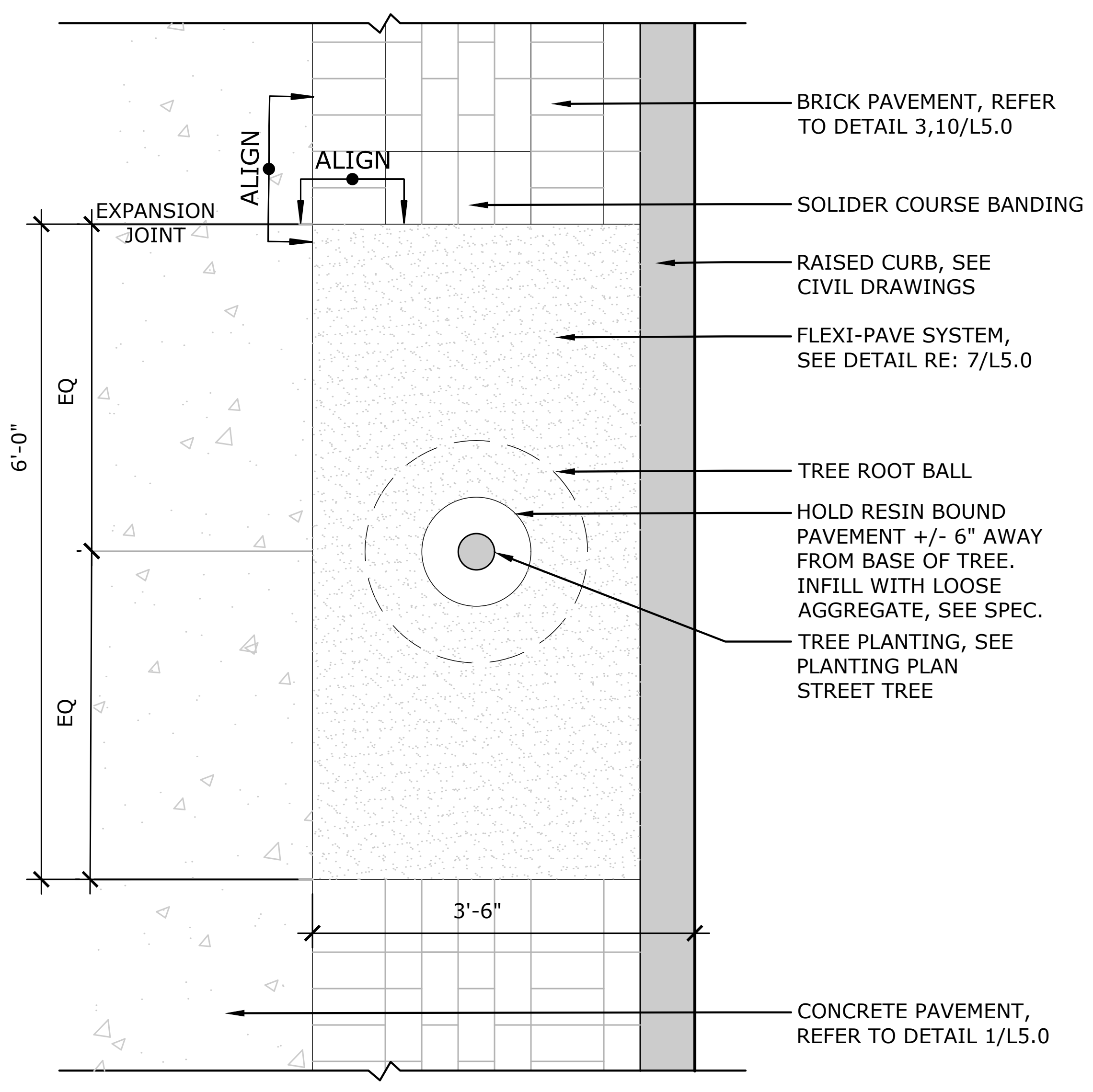
P-2024-001-48



SEE PLAN FOR LENGTHS; 4' MIN
6"
3'-0"
NEW TREE PLANTING, SEE PLANTING PLANS RE: L3.0 SERIES
HOLD FLEXI-PAVE SYSTEM +/-6 AWAY FROM BASE OF TREE. INFILL WITH LOOSE AGGREGATE. SEE SPECIFICAITON
FLEXI-PAVE PAVEMENT, RE: 7/MDS-03
FINISH GRADE; BRICK PAVER SIDEWALK, RE: 3/MDS-03
HAUNCH CONCRETE PAVEMENT AT TREE PIT EDGES
ROOT BARRIER, TYP. SEE SPEC
BACKFILL WITH PLANTING MIXTURE NO.1, SEE SPECIFICATIONS
TREE ROOT BALL, CENTER ROOTBALL ON PIT. REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF TREE
ROOT FLAIR OF TREE MUST BE AT OR SLIGHTLY ABOVE FINISH GRADE
COMPACT SUITABLE SUBGRADE TO 90% OF MAX. DRY DENSITY AS DETERMINED BY AASHTO T-180 METHOD D
LONGITUDINAL SECTION
SEE PLAN FOR LENGTHS; 3' MIN
6"
3'-0"
ADJACENT FINISH GRADE; CONCRETE SIDEWALK, RE: 1/MDS-03
HAUNCH CONCRETE AT PAVEMENT EDGES
HOLD FLEXI-PAVE SYSTEM +/-6 AWAY FROM BASE OF TREE. INFILL WITH LOOSE AGGREGATE. SEE SPECIFICATION
FLEXI-PAVE PAVEMENT, RE: 7/MDS-03
GRANITE CURB, SEE CIVIL DRAWINGS
BITUMINOUS CONCRETE ROADWAY, SEE CIVIL DRAWINGS
BACKFILL WITH PLANTING MIXTURE NO.1, SEE SPECIFICATIONS
TREE ROOT BALL, CENTER ROOTBALL ON PIT. REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF TREE
ROOT BARRIER, TYP. SEE SPEC
HORIZONTAL SECTION

3 FLEXI-PAVE SECTION AT NEW TREE PLANTING

1/2" = 1'-0"
P-2024-001-23



ALIGN
ALIGN
EXPANSION JOINT
6'-0"
EQ
EQ
3'-6"
BRICK PAVEMENT, REFER TO DETAIL 3,10/L5.0
SOLIDER COURSE BANDING
RAISED CURB, SEE CIVIL DRAWINGS
FLEXI-PAVE SYSTEM, SEE DETAIL RE: 7/L5.0
TREE ROOT BALL
HOLD RESIN BOUND PAVEMENT +/- 6" AWAY FROM BASE OF TREE. INFILL WITH LOOSE AGGREGATE, SEE SPEC.
TREE PLANTING, SEE PLANTING PLAN STREET TREE
CONCRETE PAVEMENT, REFER TO DETAIL 1/L5.0

1 FLEXI-PAVE TREE WELL - PLAN VIEW

3/4" = 1'-0"
P-2024-001-12

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	DETAILS-2024001_ARCH STREET

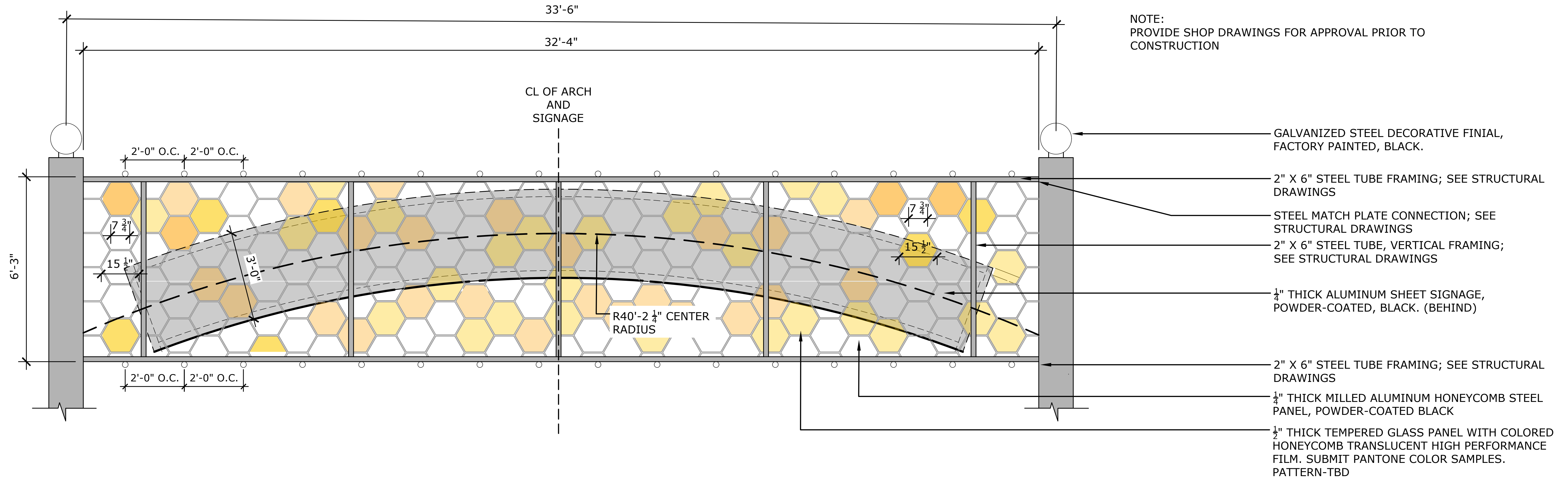
Title
SITE
DETAILS

Sheet No.
MDS-04

Xref (s): : ; xt-2024001-Arch Street ; xb-2024001-Arch Street

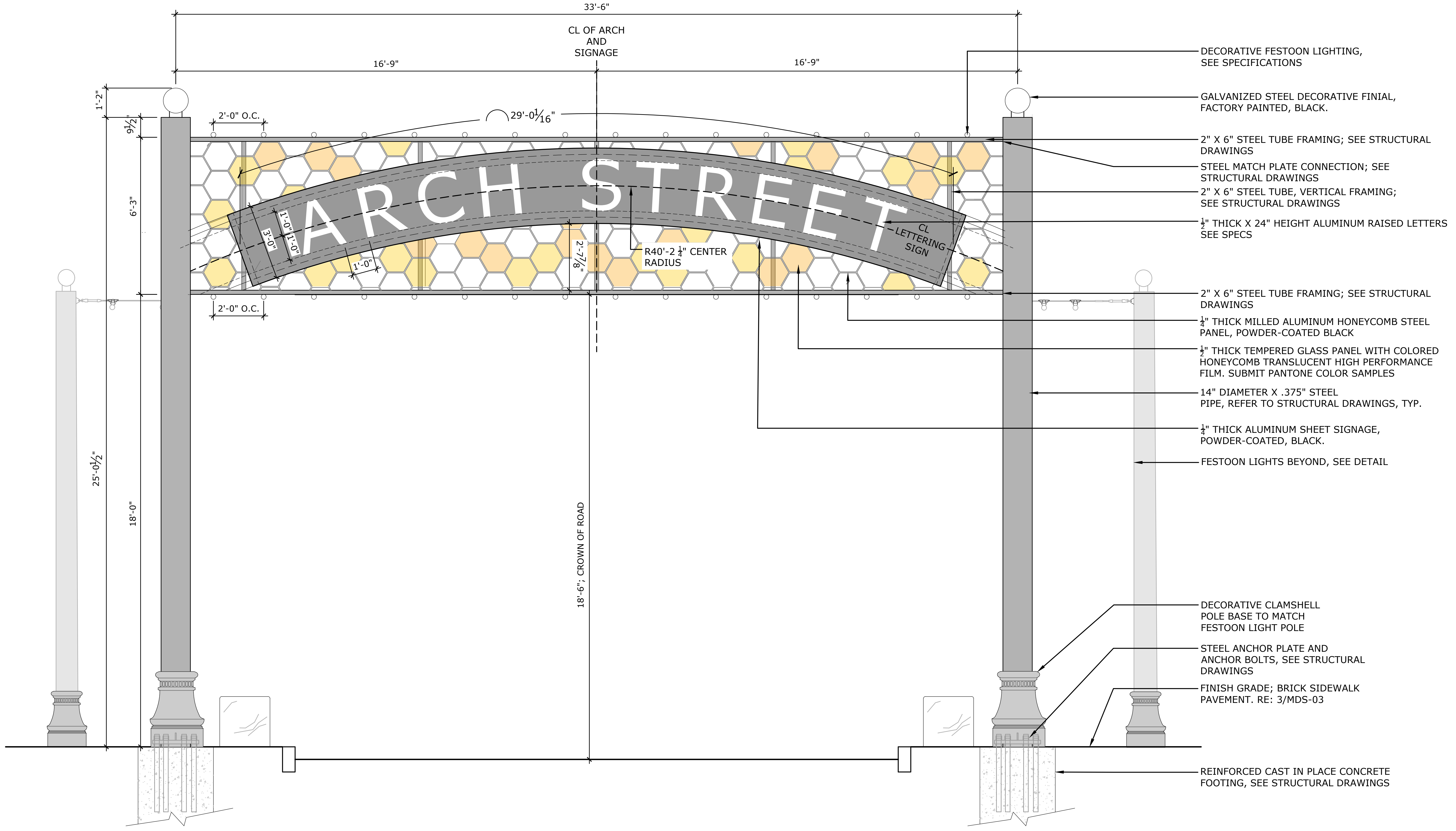
1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\DETAILS-2024001_ARCH STREET.DWG.MDS-04.

NOTE:
PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION


33'-6"
32'-4"
CL OF ARCH AND SIGNAGE
2'-0" O.C.
2'-0" O.C.
7 ¾"
15 ½"
3'-0"
6'-3"
R40'-2 ¼" CENTER RADIUS
GALVANIZED STEEL DECORATIVE FINIAL, FACTORY PAINTED, BLACK.
2" X 6" STEEL TUBE FRAMING; SEE STRUCTURAL DRAWINGS
STEEL MATCH PLATE CONNECTION; SEE STRUCTURAL DRAWINGS
2" X 6" STEEL TUBE, VERTICAL FRAMING; SEE STRUCTURAL DRAWINGS
¼" THICK ALUMINUM SHEET SIGNAGE, POWDER-COATED, BLACK. (BEHIND)
2" X 6" STEEL TUBE FRAMING; SEE STRUCTURAL DRAWINGS
¼" THICK MILLED ALUMINUM HONEYCOMB STEEL PANEL, POWDER-COATED BLACK
½" THICK TEMPERED GLASS PANEL WITH COLORED HONEYCOMB TRANSLUCENT HIGH PERFORMANCE FILM. SUBMIT PANTONE COLOR SAMPLES. PATTERN-TBD

03 GATEWAY ARCH - SOUTH FACING SIGN ENLARGEMENT

3/8" = 1'-0"


33'-6"
CL OF ARCH AND SIGNAGE
16'-9"
16'-9"
1'-2"
9½"
6'-3"
25'-0½"
18'-0"
2'-0" O.C.
2'-0" O.C.
29'-0 1/16"
ARCH STREET
3'-0"
1'-0"
1'-0"
1'-0"
2'-7 7/8"
R40'-2 ¼" CENTER RADIUS
CL LETTERING SIGN
18'-6"; CROWN OF ROAD
DECORATIVE FESTOON LIGHTING, SEE SPECIFICATIONS
GALVANIZED STEEL DECORATIVE FINIAL, FACTORY PAINTED, BLACK.
2" X 6" STEEL TUBE FRAMING; SEE STRUCTURAL DRAWINGS
STEEL MATCH PLATE CONNECTION; SEE STRUCTURAL DRAWINGS
2" X 6" STEEL TUBE, VERTICAL FRAMING; SEE STRUCTURAL DRAWINGS
½" THICK X 24" HEIGHT ALUMINUM RAISED LETTERS SEE SPECS
2" X 6" STEEL TUBE FRAMING; SEE STRUCTURAL DRAWINGS
¼" THICK MILLED ALUMINUM HONEYCOMB STEEL PANEL, POWDER-COATED BLACK
½" THICK TEMPERED GLASS PANEL WITH COLORED HONEYCOMB TRANSLUCENT HIGH PERFORMANCE FILM. SUBMIT PANTONE COLOR SAMPLES
14" DIAMETER X .375" STEEL PIPE, REFER TO STRUCTURAL DRAWINGS, TYP.
¼" THICK ALUMINUM SHEET SIGNAGE, POWDER-COATED, BLACK.
FESTOON LIGHTS BEYOND, SEE DETAIL
DECORATIVE CLAMSHELL POLE BASE TO MATCH FESTOON LIGHT POLE
STEEL ANCHOR PLATE AND ANCHOR BOLTS, SEE STRUCTURAL DRAWINGS
FINISH GRADE; BRICK SIDEWALK PAVEMENT. RE: 3/MDS-03
REINFORCED CAST IN PLACE CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS

02 GATEWAY ARCH - NORTH FACING

3/8" = 1'-0"

Architecture
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ARCH STREET COMPLETE STREETS IMPROVEMENTS
LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

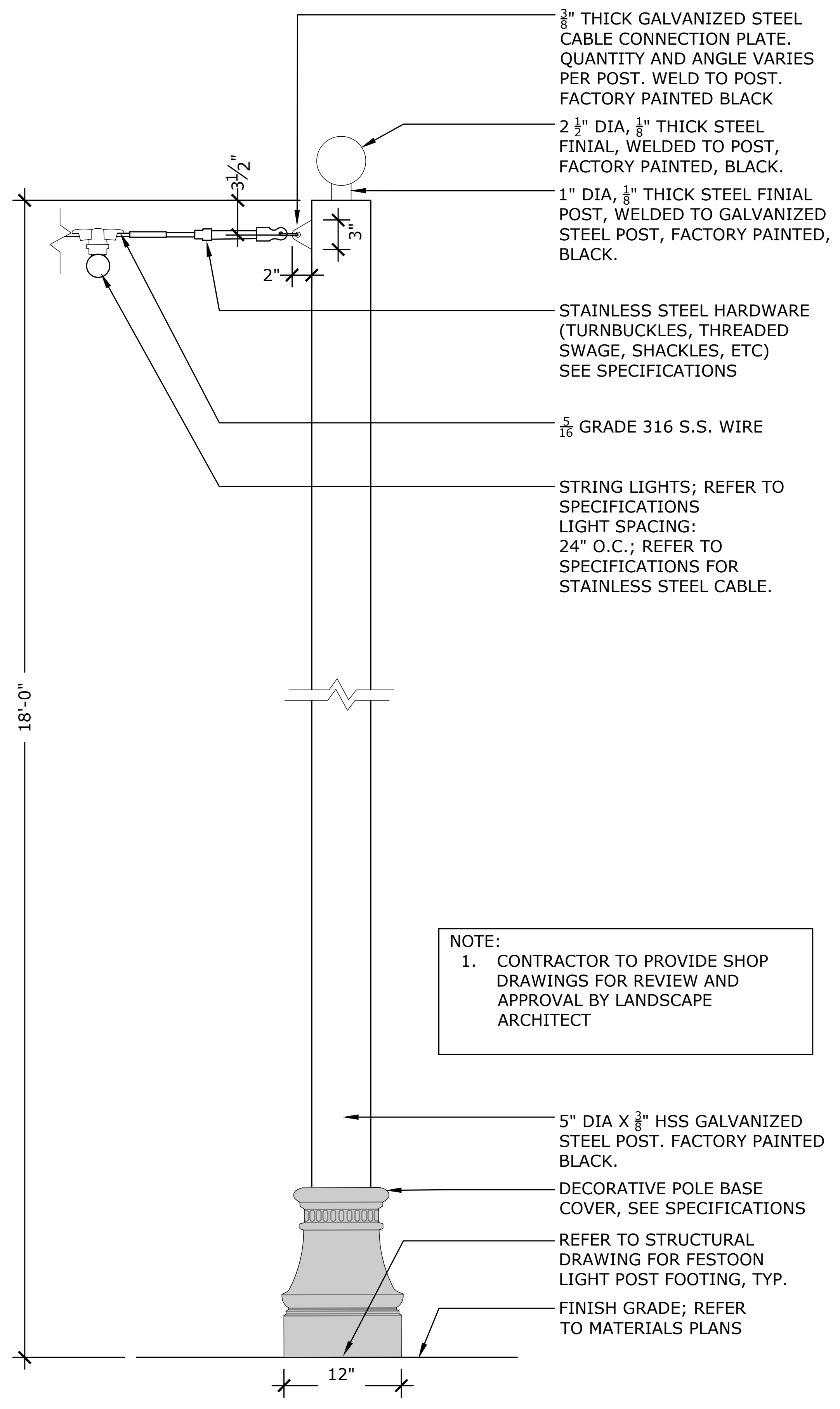
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	DETAILS-2024001_ARCH STREET

Title
SITE DETAILS

Sheet No.
MDS-05

Xref (s): ; xt-2024001-Arch Street ; xb-2024001-Arch Street

1/24/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\DETAILS-2024001_ARCH STREET.DWG.MDS-05.


$\frac{3}{8}$" THICK GALVANIZED STEEL CABLE CONNECTION PLATE. QUANTITY AND ANGLE VARIES PER POST. WELD TO POST. FACTORY PAINTED BLACK
2 $\frac{1}{2}$" DIA, $\frac{1}{8}$" THICK STEEL FINIAL, WELDED TO POST, FACTORY PAINTED, BLACK.
1" DIA, $\frac{1}{8}$" THICK STEEL FINIAL POST, WELDED TO GALVANIZED STEEL POST, FACTORY PAINTED, BLACK.
STAINLESS STEEL HARDWARE (TURNBUCKLES, THREADED SWAGE, SHACKLES, ETC) SEE SPECIFICATIONS
$\frac{5}{16}$ GRADE 316 S.S. WIRE
STRING LIGHTS; REFER TO SPECIFICATIONS LIGHT SPACING: 24" O.C.; REFER TO SPECIFICATIONS FOR STAINLESS STEEL CABLE.
3$\frac{1}{2}$"
3"
2"
18'-0"
5" DIA X $\frac{3}{8}$" HSS GALVANIZED STEEL POST. FACTORY PAINTED BLACK.
DECORATIVE POLE BASE COVER, SEE SPECIFICATIONS
REFER TO STRUCTURAL DRAWING FOR FESTOON LIGHT POST FOOTING, TYP.
FINISH GRADE; REFER TO MATERIALS PLANS
12"

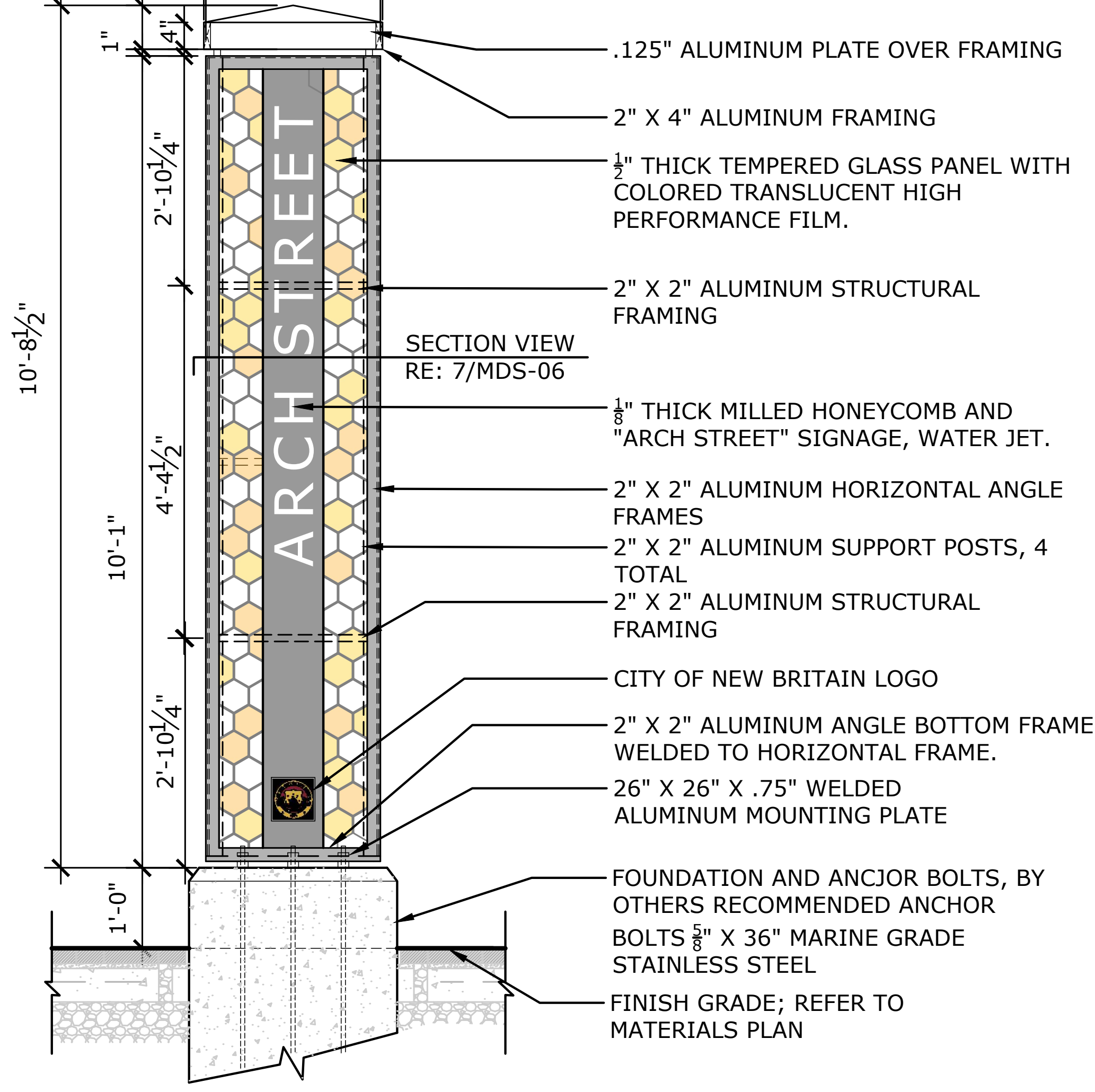
NOTE:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT

8 FESTOON LIGHT POST

1" = 1'-0"

P-2024-001-08

NOTE:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
2. INTERNAL ACCENT LIGHTING TO BE DESIGNED THROUGH SHOP DRAWINGS PROCESS.

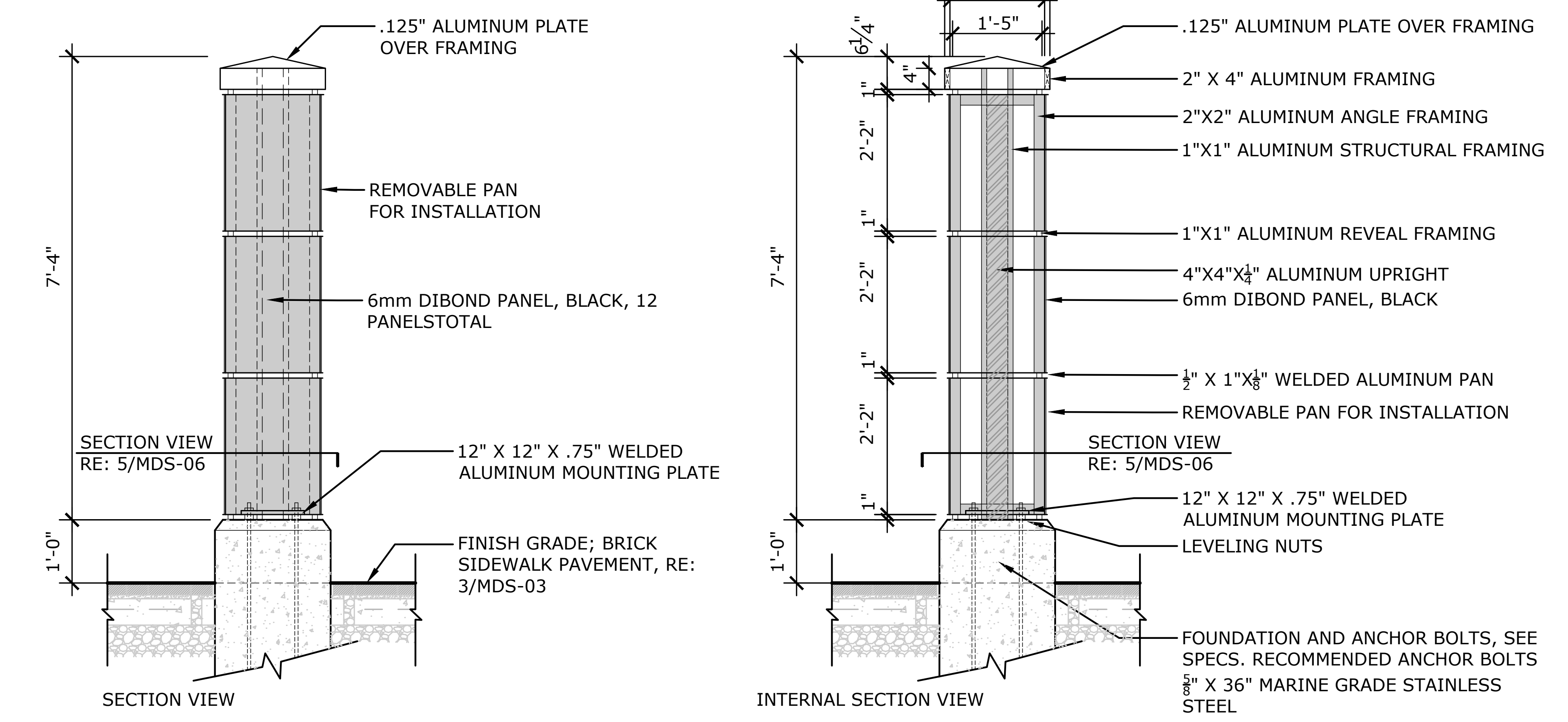

2'-2$\frac{5}{8}$"
2'-2"
8$\frac{1}{2}$"
9"
8$\frac{1}{2}$"
6 $\frac{1}{2}$"
1"
4"
10'-8$\frac{1}{2}$"
2'-10$\frac{1}{4}$"
4'-4$\frac{1}{2}$"
10'-1"
2'-10$\frac{1}{4}$"
1'-0"
ARCH STREET
.125" ALUMINUM PLATE OVER FRAMING
2" X 4" ALUMINUM FRAMING
$\frac{1}{2}$" THICK TEMPERED GLASS PANEL WITH COLORED TRANSLUCENT HIGH PERFORMANCE FILM.
2" X 2" ALUMINUM STRUCTURAL FRAMING
SECTION VIEW RE: 7/MDS-06
$\frac{1}{8}$" THICK MILLED HONEYCOMB AND "ARCH STREET" SIGNAGE, WATER JET.
2" X 2" ALUMINUM HORIZONTAL ANGLE FRAMES
2" X 2" ALUMINUM SUPPORT POSTS, 4 TOTAL
2" X 2" ALUMINUM STRUCTURAL FRAMING
CITY OF NEW BRITAIN LOGO
2" X 2" ALUMINUM ANGLE BOTTOM FRAMES, WELDED TO HORIZONTAL FRAME.
26" X 26" X .75" WELDED ALUMINUM MOUNTING PLATE
FOUNDATION AND ANCJOR BOLTS, BY OTHERS RECOMMENDED ANCHOR BOLTS $\frac{5}{8}$" X 36" MARINE GRADE STAINLESS STEEL
FINISH GRADE; REFER TO MATERIALS PLAN

6 GATEWAY PYLON

1/2" = 1'-0"

P-2024-001-06

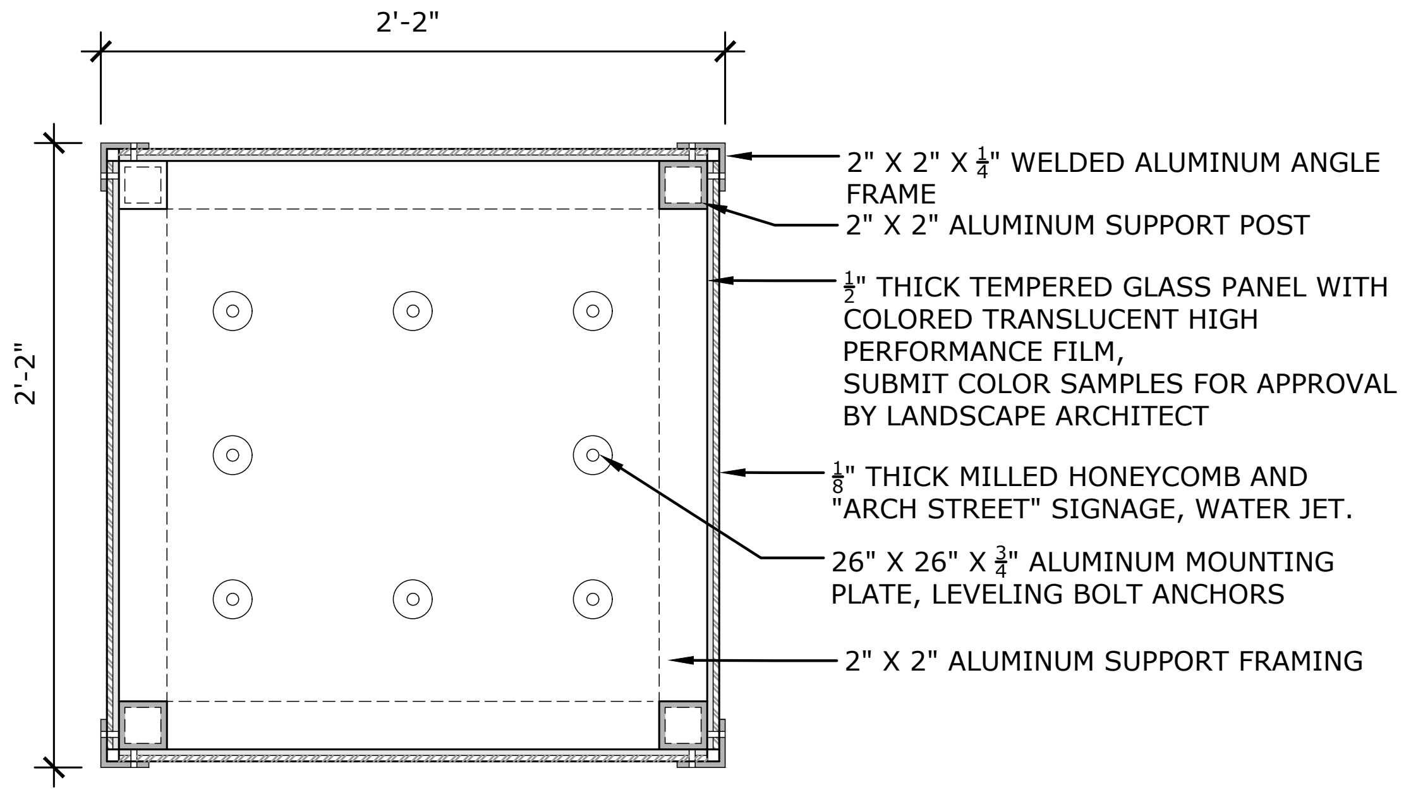
NOTE:
SHOP DRAWING PROVIDED BY ARTFX


.125" ALUMINUM PLATE OVER FRAMING
7'-4"
REMOVABLE PAN FOR INSTALLATION
6mm DIBOND PANEL, BLACK, 12 PANELSTOTAL
SECTION VIEW RE: 5/MDS-06
12" X 12" X .75" WELDED ALUMINUM MOUNTING PLATE
1'-0"
FINISH GRADE; BRICK SIDEWALK PAVEMENT, RE: 3/MDS-03
SECTION VIEW
1'-8"
1'-6"
1'-5"
6$\frac{1}{4}$"
4"
1"
2'-2"
1"
2'-2"
1"
2'-2"
1"
7'-4"
1'-0"
.125" ALUMINUM PLATE OVER FRAMING
2" X 4" ALUMINUM FRAMING
2"X2" ALUMINUM ANGLE FRAMING
1"X1" ALUMINUM STRUCTURAL FRAMING
1"X1" ALUMINUM REVEAL FRAMING
4"X4"X$\frac{1}{4}$" ALUMINUM UPRIGHT
6mm DIBOND PANEL, BLACK
$\frac{1}{2}$" X 1"X$\frac{1}{8}$" WELDED ALUMINUM PAN
REMOVABLE PAN FOR INSTALLATION
SECTION VIEW RE: 5/MDS-06
12" X 12" X .75" WELDED ALUMINUM MOUNTING PLATE
LEVELING NUTS
FOUNDATION AND ANCHOR BOLTS, SEE SPECS. RECOMMENDED ANCHOR BOLTS $\frac{5}{8}$" X 36" MARINE GRADE STAINLESS STEEL
INTERNAL SECTION VIEW

4 PLACEMAKING PYLON

1/2" = 1'-0"

P-2024-001-05

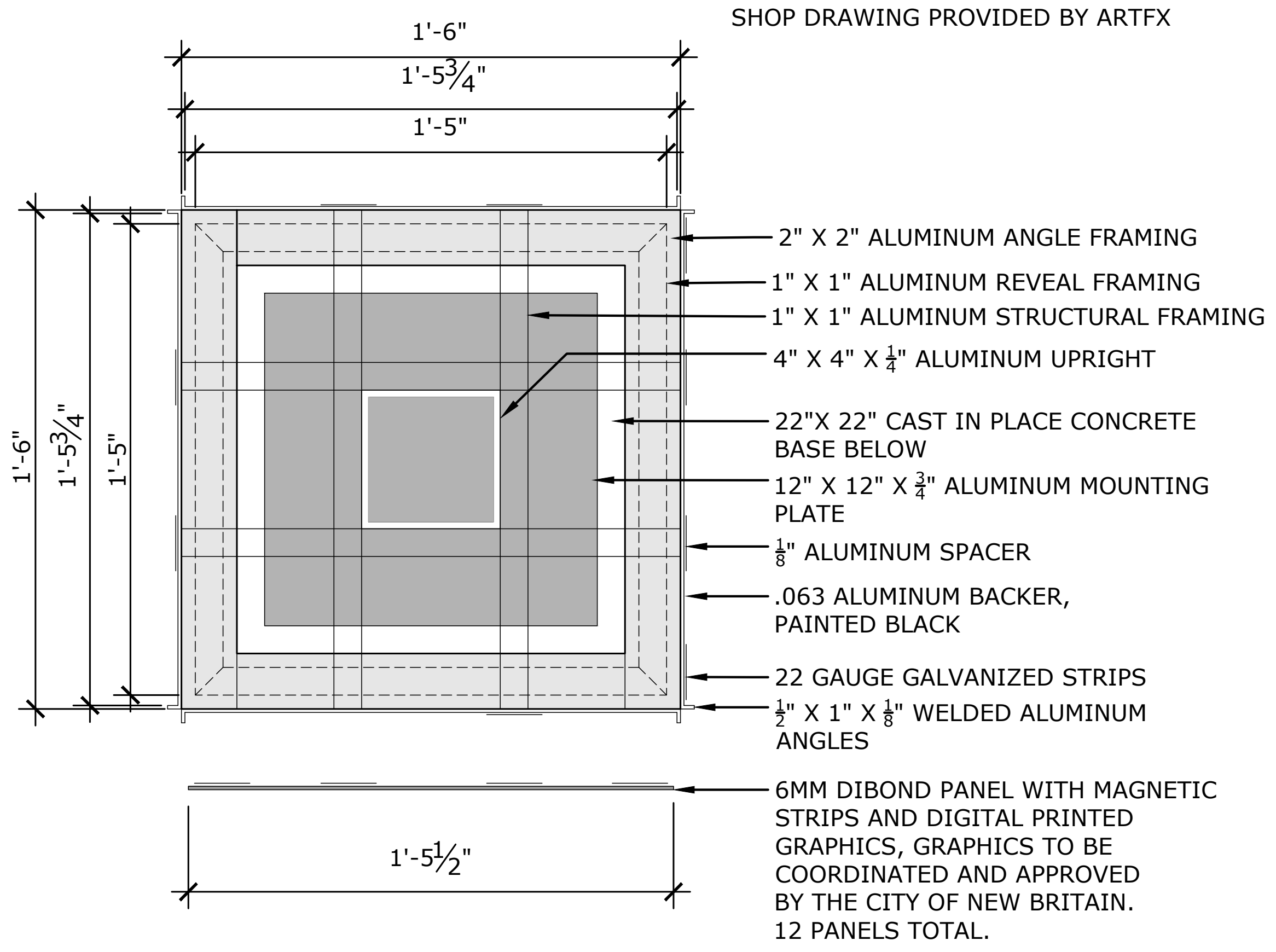

2'-2"
2'-2"
2" X 2" X $\frac{1}{4}$" WELDED ALUMINUM ANGLE FRAME
2" X 2" ALUMINUM SUPPORT POST
$\frac{1}{2}$" THICK TEMPERED GLASS PANEL WITH COLORED TRANSLUCENT HIGH PERFORMANCE FILM, SUBMIT COLOR SAMPLES FOR APPROVAL BY LANDSCAPE ARCHITECT
$\frac{1}{8}$" THICK MILLED HONEYCOMB AND "ARCH STREET" SIGNAGE, WATER JET.
26" X 26" X $\frac{3}{4}$" ALUMINUM MOUNTING PLATE, LEVELING BOLT ANCHORS
2" X 2" ALUMINUM SUPPORT FRAMING

7 GATEWAY PYLON - PLAN ENLARGEMENT

1 1/2" = 1'-0"

P-2024-001-29

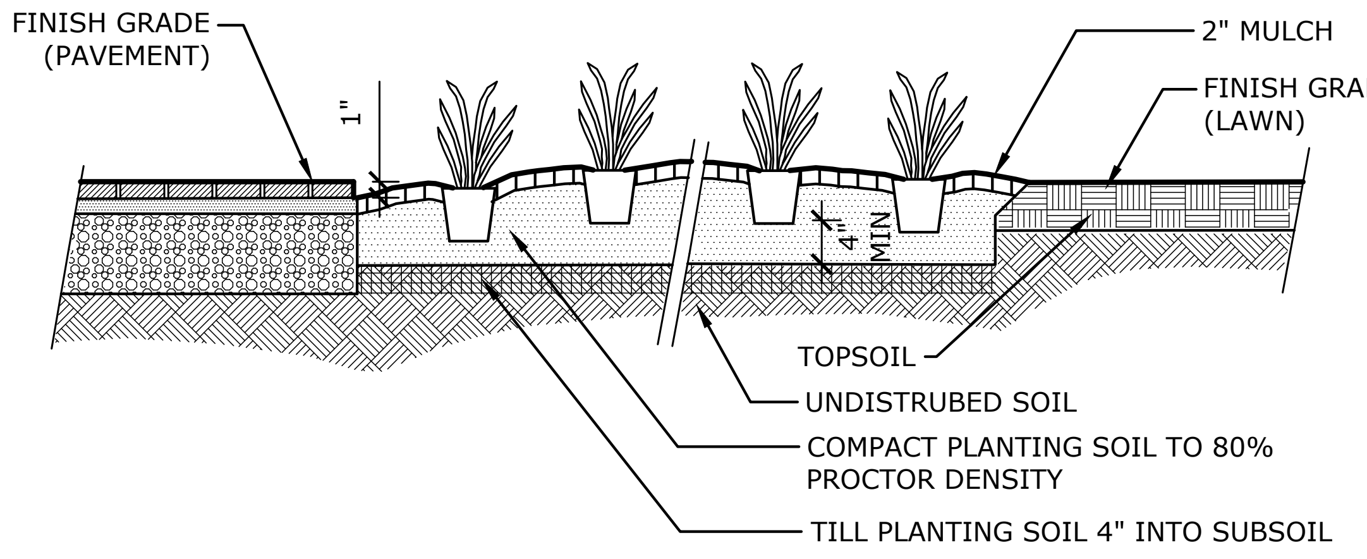
NOTE:
SHOP DRAWING PROVIDED BY ARTFX


1'-6"
1'-5$\frac{3}{4}$"
1'-5"
1'-6"
1'-5$\frac{3}{4}$"
1'-5"
2" X 2" ALUMINUM ANGLE FRAMING
1" X 1" ALUMINUM REVEAL FRAMING
1" X 1" ALUMINUM STRUCTURAL FRAMING
4" X 4" X $\frac{1}{4}$" ALUMINUM UPRIGHT
22"X 22" CAST IN PLACE CONCRETE BASE BELOW
12" X 12" X $\frac{3}{4}$" ALUMINUM MOUNTING PLATE
$\frac{1}{8}$" ALUMINUM SPACER
.063 ALUMINUM BACKER, PAINTED BLACK
22 GAUGE GALVANIZED STRIPS
$\frac{1}{2}$" X 1" X $\frac{1}{8}$" WELDED ALUMINUM ANGLES
6MM DIBOND PANEL WITH MAGNETIC STRIPS AND DIGITAL PRINTED GRAPHICS, GRAPHICS TO BE COORDINATED AND APPROVED BY THE CITY OF NEW BRITAIN. 12 PANELS TOTAL.
1'-5$\frac{1}{2}$"

5 PLACEMAKING PYLON - PLAN ENLARGEMENT

2" = 1'-0"

P-2024-001-27

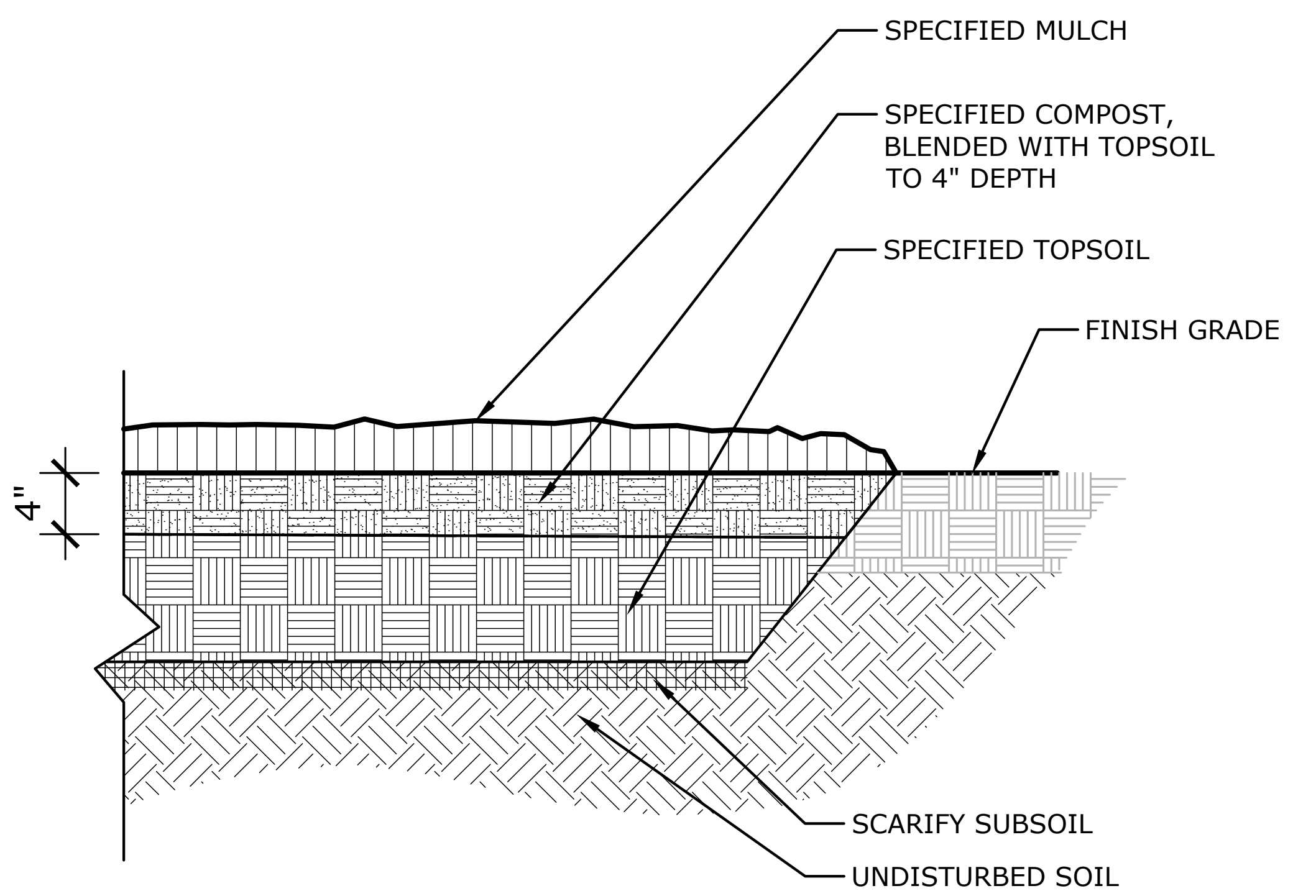


NOTES:
1. SET CROWN OF ROOT BALL LEVEL WITH FINISH GRADE.
2. MAINTAIN MINIMUM OF 4" PLANTING MIX BELOW EACH INDIVIDUAL PLANT.
3. MULCH ENTIRE AREA OF GROUNDCOVER, PERENNIALS OR ANNUALS.
4. MULCH CAREFULLY AROUND EACH PLANT; DO NOT COVER CROWNS OF PLANTS WITH MULCH.

3 CONTINUOUS PLANTING BED

NTS

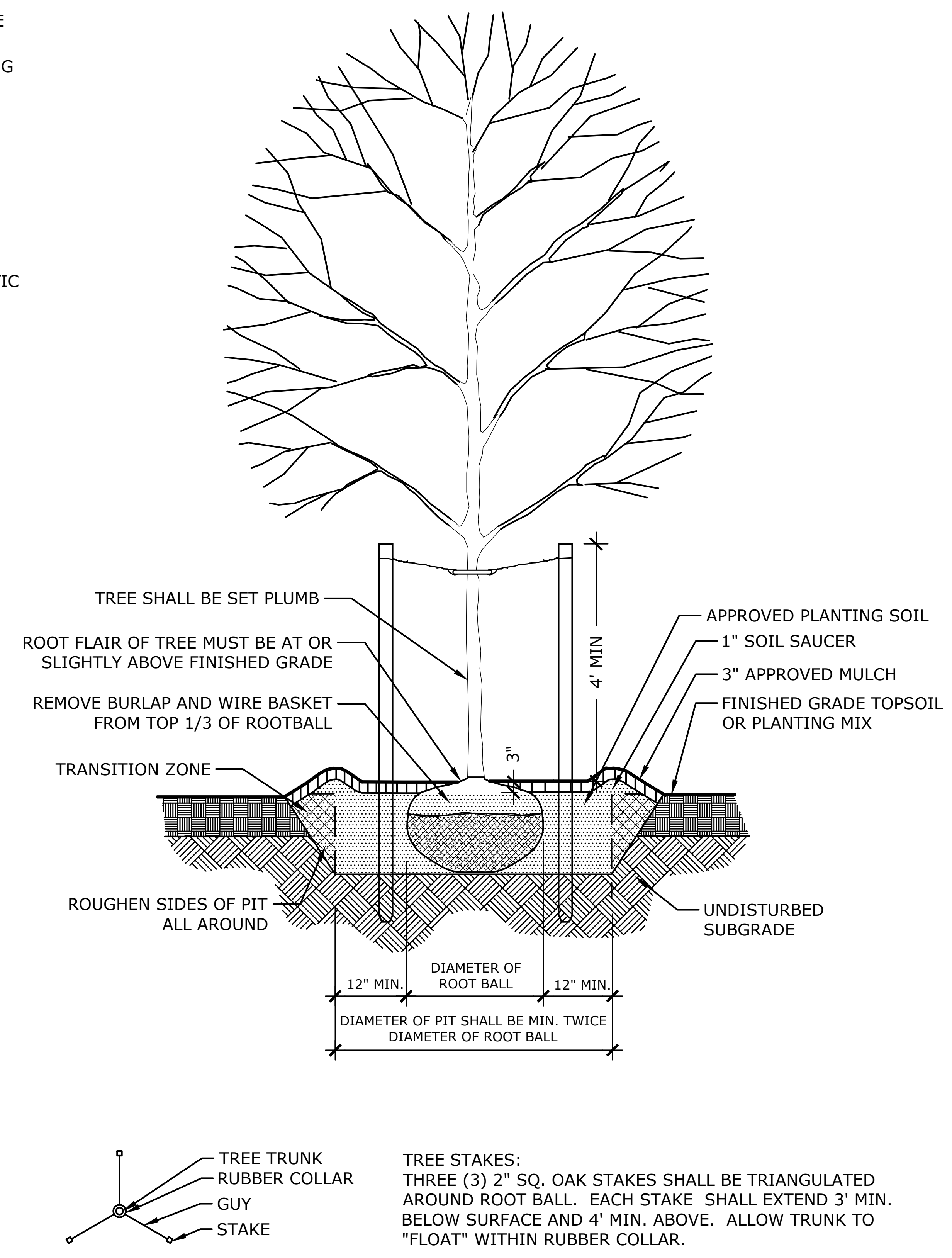
P-2024-001-28



2 PLANT BED PREPARATION

NTS

P-2024-001-01


TREE SHALL BE SET PLUMB
ROOT FLAIR OF TREE MUST BE AT OR SLIGHTLY ABOVE FINISHED GRADE
REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF ROOTBALL
TRANSITION ZONE
ROUGHEN SIDES OF PIT ALL AROUND
4' MIN
3"
APPROVED PLANTING SOIL
1" SOIL SAUCER
3" APPROVED MULCH
FINISHED GRADE TOPSOIL OR PLANTING MIX
UNDISTURBED SUBGRADE
12" MIN.
DIAMETER OF ROOT BALL
12" MIN.
DIAMETER OF PIT SHALL BE MIN. TWICE DIAMETER OF ROOT BALL
TREE TRUNK
RUBBER COLLAR
GUY
STAKE

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.

1 TREE PLANTING

NTS

P-2024-001-24

Architecture
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MYSTIC, CT 06355
860.572.0784
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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	DETAILS-2024001_ARCH STREET

Title
SITE DETAILS

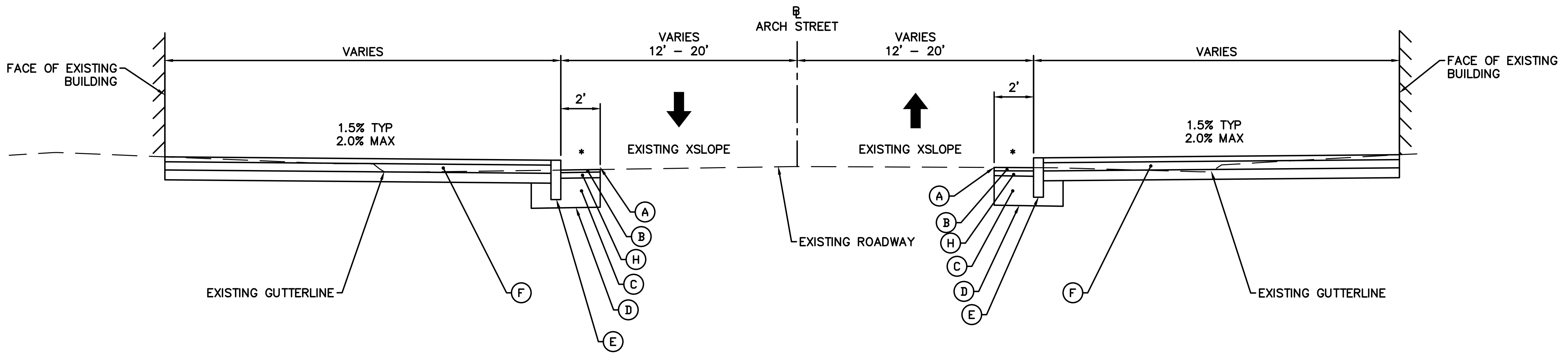
Sheet No.
MDS-06

Xref (s): ; xt-2024001-Arch Street ; xb-2024001-Arch Street

1/24/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\DETAILS-2024001_ARCH STREET.DWG.MDS-06.

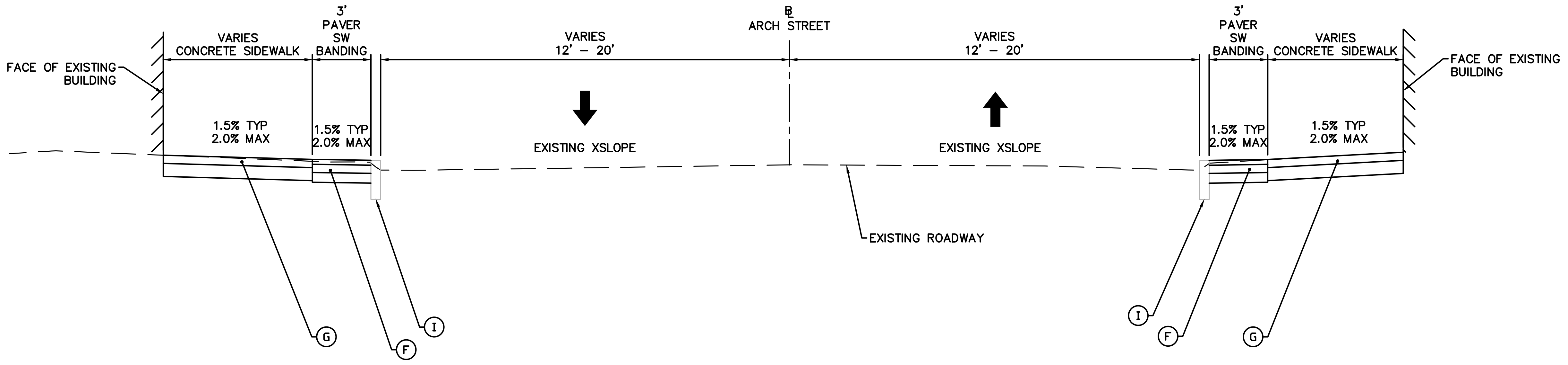
LEGEND

- Ⓐ CUT BITUMINOUS CONCRETE PAVEMENT
- Ⓑ 2" HMA S0.5 TRAFFIC LEVEL 2
- Ⓒ 18" PROCESSED AGGREGATE BASE
- Ⓓ FORMATION OF SUBGRADE
- Ⓔ GRANITE CURBING (WHERE INDICATED ON PLANS)
- Ⓕ BRICK PAVER SIDEWALK (SEE MDS-03)
- Ⓖ CONCRETE SIDEWALK
- Ⓗ 3" HMA S0.5 TRAFFIC LEVEL 2
- Ⓘ EXISTING CURBING TO REMAIN



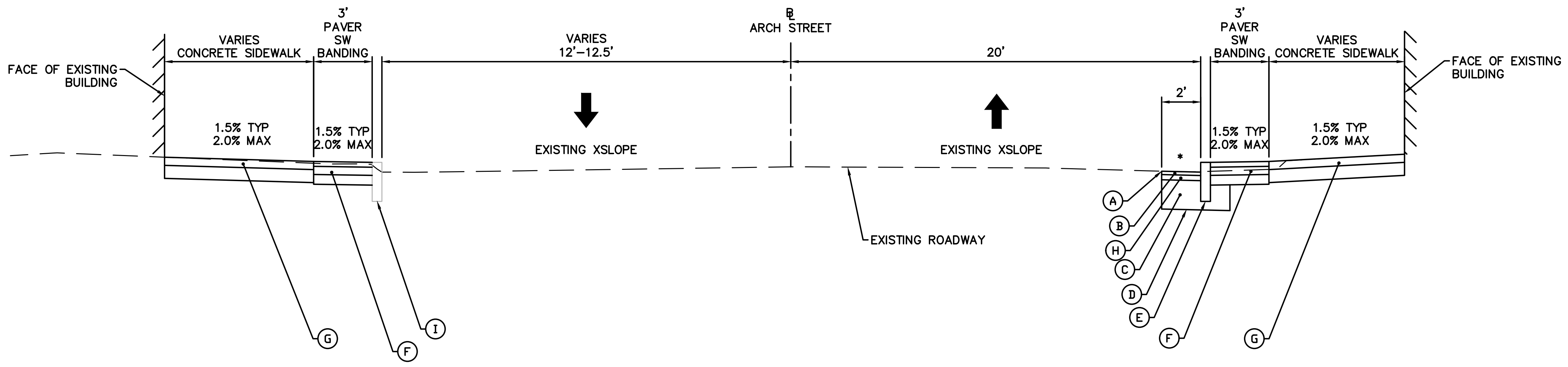
BRICK PAVER BUMPOUTS

STA. 100+55 TO STA. 100+75
STA. 108+35 TO STA. 108+65
STA. 109+10 TO STA. 109+65
STA. 111+90 TO STA. 112+20
STA. 120+10 TO STA. 121+05
*–MATCH EXISTING CROSS SLOPE



BRICK PAVER BANDING ALONG EXISTING GUTTERLINE

STA. 109+65 TO STA. 112+75
STA. 112+75 TO STA. 116+65
STA. 117+20 TO STA. 120+10



BRICK PAVER BANDING WITH CURBLINE BUMPOUT RT

STA. 101+88 TO STA. 104+83
STA. 106+02 TO STA. 108+12
*MATCH EXISTING CROSS SLOPE

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	C.L.M.
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	2301944
Date	01/23/25

CAD File:
TYP230194401

Title
TYPICAL
SECTIONS

Sheet No.

TYP-01

Xref (s): ; BD230194401

1/23/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\TYP230194401.DWG.TYP-01 24X36 NTS.

LEGEND

▨	CONCRETE SIDEWALK
— — —	CUT BITUMINOUS CONCRETE PAVEMENT
▨	BITUMINOUS CONCRETE PATCHING – FULL DEPTH
▨	BRICK PAVER SIDEWALK
▨	STAMPED BIT CONC CROSSWALK
◐	TEST PIT
■	DETECTABLE WARNING CAST IRON PAVER
—— – – ——	PROPERTY LINE

NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM #0952001 – SELECTIVE CLEARING AND THINNING.
3. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
4. ALL PROPOSED SIDEWALK SHALL MAINTAIN A 4' MINIMUM CLEAR WIDTH FOR PEDESTRIANS WHEN TRAVELING PAST ANY EXISTING FEATURES.
5. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND PIPE SIZES PRIOR TO COMMENCING PROPOSED DRAINAGE WORK.
6. DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS WORK SHALL BE PAID UNDER ITEM #0944001A – FURNISHING AND PLACING TOPSOIL.
7. CONTRACTOR SHALL PROTECT ANY TRAFFIC SIGNAL EQUIPMENT TO REMAIN. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED WORK.
8. ALL SURVEY MONUMENTS LOCATED WITHIN PROPOSED WORK SHALL BE RESET TO THE PROPOSED GRADE AND PAID FOR UNDER ITEM #0202559A – REMOVE AND RESET SURVEY MONUMENT. .
9. CONTRACTOR TO ENSURE SPAN POLE FOUNDATIONS ARE PROTECTED.
10. ALL UTILITY VALVES SHALL BE RESET BY OTHERS.
11. SIDEWALK WIDTH SHALL MATCH THE EXISTING BACK OF WALK UNLESS OTHERWISE INDICATED ON THE PLANS.
12. THE CONTRACTOR SHALL CLEAN ALL SILTED CONVERTED DRAINAGE STRUCTURES. THIS WORK SHALL BE PAID UNDER ITEM #0653630 – CLEAN EXISTING DRAINAGE STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

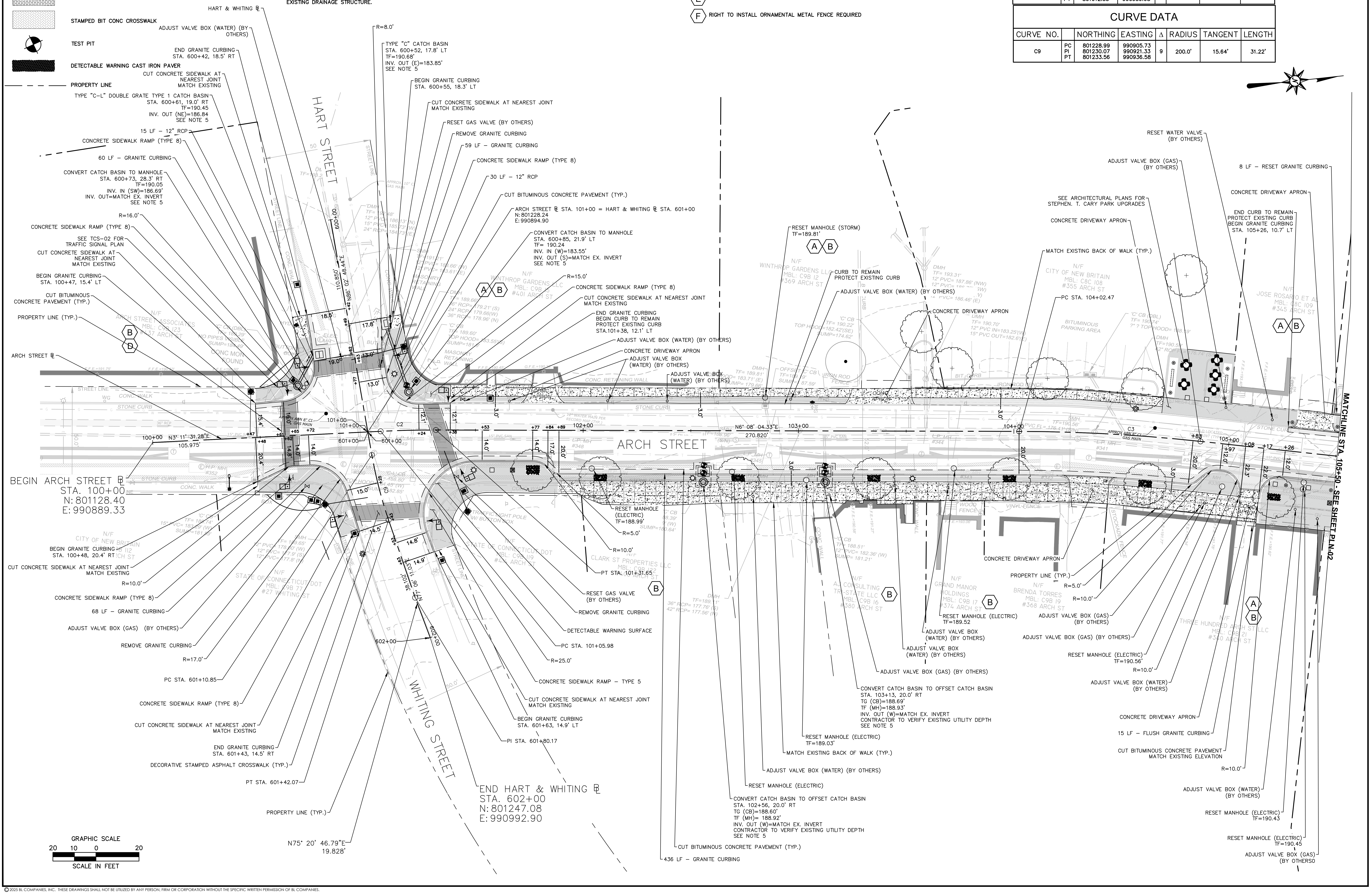
A	RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
B	RIGHT TO CONSTRUCT WALK REQUIRED
C	RIGHT TO RESET CURBING
D	EASEMENT TO INSTALL AND MAINTAIN TRAFFIC DEVICES AND APPURTENANCES
E	RIGHT TO REMOVE AND RESET FENCE REQUIRED
F	RIGHT TO INSTALL ORNAMENTAL METAL FENCE REQUIRED

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C2	PC PI PT	801234.21 801247.03 801259.80	990895.24 990895.95 990897.32	3	500.0'	12.84'	25.68'
C3	PC PI PT	801529.07 801571.06 801612.33	990926.26 990930.78 990939.68	6	800.0'	42.23'	84.38'

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C9	PC PI PT	801228.99 801230.07 801233.56	990905.73 990921.33 990936.58	9	200.0'	15.64'	31.22'


HART & WHITING ℄
ADJUST VALVE BOX (WATER) (BY OTHERS)
END GRANITE CURBING STA. 600+42, 18.5' RT
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
TYPE "C–L" DOUBLE GRATE TYPE 1 CATCH BASIN STA. 600+61, 19.0' RT TF=190.45 INV. OUT (NE)=186.84 SEE NOTE 5
15 LF – 12" RCP
CONCRETE SIDEWALK RAMP (TYPE 8)
60 LF – GRANITE CURBING
CONVERT CATCH BASIN TO MANHOLE STA. 600+73, 28.3' RT TF=190.05 INV. IN (SW)=186.69' INV. OUT=MATCH EX. INVERT SEE NOTE 5
R=16.0'
CONCRETE SIDEWALK RAMP (TYPE 8)
SEE TCS–02 FOR TRAFFIC SIGNAL PLAN
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
BEGIN GRANITE CURBING STA. 100+47, 15.4' LT
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
PROPERTY LINE (TYP.)
ARCH STREET ℄
BEGIN ARCH STREET ℄ STA. 100+00 N: 801128.40 E: 990889.33
100+00 N3° 11' 31.28"E 105.975'
BEGIN GRANITE CURBING STA. 100+48, 20.4' RT
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
R=10.0'
CONCRETE SIDEWALK RAMP (TYPE 8)
68 LF – GRANITE CURBING
ADJUST VALVE BOX (GAS) (BY OTHERS)
REMOVE GRANITE CURBING
R=17.0'
PC STA. 601+10.85
CONCRETE SIDEWALK RAMP (TYPE 8)
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
END GRANITE CURBING STA. 601+43, 14.5' RT
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
PT STA. 601+42.07
PROPERTY LINE (TYP.)
N75° 20' 46.79"E 19.828'
GRAPHIC SCALE
20 10 0 20
SCALE IN FEET
HART STREET
WHITING STREET
ARCH STREET
R=8.0'
TYPE "C" CATCH BASIN STA. 600+52, 17.8' LT TF=190.68' INV. OUT (E)=183.85' SEE NOTE 5
BEGIN GRANITE CURBING STA. 600+55, 18.3' LT
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
RESET GAS VALVE (BY OTHERS)
REMOVE GRANITE CURBING
59 LF – GRANITE CURBING
CONCRETE SIDEWALK RAMP (TYPE 8)
30 LF – 12" RCP
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
ARCH STREET ℄ STA. 101+00 = HART & WHITING ℄ STA. 601+00 N: 801228.24 E: 990894.90
CONVERT CATCH BASIN TO MANHOLE STA. 600+85, 21.9' LT TF= 190.24 INV. IN (W)=183.55' INV. OUT (S)=MATCH EX. INVERT SEE NOTE 5
R=15.0'
CONCRETE SIDEWALK RAMP (TYPE 8)
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
END GRANITE CURBING BEGIN CURB TO REMAIN PROTECT EXISTING CURB STA.101+38, 12.1' LT
ADJUST VALVE BOX (WATER) (BY OTHERS)
CONCRETE DRIVEWAY APRON
ADJUST VALVE BOX (WATER) (BY OTHERS)
ADJUST VALVE BOX (WATER) (BY OTHERS)
N6° 08' 04.33"E 270.820'
RESET MANHOLE (ELECTRIC) TF=188.99'
R=5.0'
R=10.0'
PT STA. 101+31.65
RESET GAS VALVE (BY OTHERS)
REMOVE GRANITE CURBING
DETECTABLE WARNING SURFACE
PC STA. 101+05.98
R=25.0'
CONCRETE SIDEWALK RAMP – TYPE 5
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
BEGIN GRANITE CURBING STA. 601+63, 14.9' LT
PI STA. 601+80.17
END HART & WHITING ℄ STA. 602+00 N: 801247.08 E: 990992.90
RESET MANHOLE (STORM) TF=189.81'
CURB TO REMAIN PROTECT EXISTING CURB
ADJUST VALVE BOX (WATER) (BY OTHERS)
CONCRETE DRIVEWAY APRON
436 LF – GRANITE CURBING
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
CONVERT CATCH BASIN TO OFFSET CATCH BASIN STA. 102+56, 20.0' RT TG (CB)=188.60' TF (MH)= 188.92' INV. OUT (W)=MATCH EX. INVERT CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH SEE NOTE 5
RESET MANHOLE (ELECTRIC)
ADJUST VALVE BOX (WATER) (BY OTHERS)
MATCH EXISTING BACK OF WALK (TYP.)
RESET MANHOLE (ELECTRIC) TF=189.03'
CONVERT CATCH BASIN TO OFFSET CATCH BASIN STA. 103+13, 20.0' RT TG (CB)=188.69' TF (MH)=188.93' INV. OUT (W)=MATCH EX. INVERT CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH SEE NOTE 5
ADJUST VALVE BOX (GAS) (BY OTHERS)
ADJUST VALVE BOX (WATER) (BY OTHERS)
ADJUST VALVE BOX (WATER) (BY OTHERS)
RESET MANHOLE (ELECTRIC) TF=189.52
CONCRETE DRIVEWAY APRON
PROPERTY LINE (TYP.)
R=5.0'
R=10.0'
ADJUST VALVE BOX (GAS) (BY OTHERS)
ADJUST VALVE BOX (GAS) (BY OTHERS)
RESET MANHOLE (ELECTRIC) TF=190.56'
R=10.0'
ADJUST VALVE BOX (WATER) (BY OTHERS)
CONCRETE DRIVEWAY APRON
15 LF – FLUSH GRANITE CURBING
CUT BITUMINOUS CONCRETE PAVEMENT MATCH EXISTING ELEVATION
R=10.0'
ADJUST VALVE BOX (WATER) (BY OTHERS)
RESET MANHOLE (ELECTRIC) TF=190.43
RESET MANHOLE (ELECTRIC) TF=190.45
ADJUST VALVE BOX (GAS) (BY OTHERS0
RESET WATER VALVE (BY OTHERS)
ADJUST VALVE BOX (GAS) (BY OTHERS)
SEE ARCHITECTURAL PLANS FOR STEPHEN. T. CARY PARK UPGRADES
CONCRETE DRIVEWAY APRON
MATCH EXISTING BACK OF WALK (TYP.)
PC STA. 104+02.47
8 LF – RESET GRANITE CURBING
CONCRETE DRIVEWAY APRON
END CURB TO REMAIN PROTECT EXISTING CURB BEGIN GRANITE CURBING STA. 105+26, 10.7' LT
MATCHLINE STA. 105+50 - SEE SHEET PLN-02
N/F ARCH STREET ASSOCIATES MBL: C9B 123 #437 ARCH ST
N/F WINTHROP GARDENS LLC MBL: C9B 15 #401 ARCH ST
N/F WINTHROP GARDENS LLC MBL: C9B 12 #369 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 108 #355 ARCH ST
N/F JOSE ROSARIO ET AL MBL: C8C 109 #345 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C9B 112 #? ARCH ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 119 #414 ARCH ST
N/F CLARK ST PROPERTIES LLC MBL: C9B 122 #406 ARCH ST
N/F AJ CONSULTING TRI-STATE LLC MBL: C9B 16 #380 ARCH ST
N/F GRAND MANOR HOLDINGS MBL: C9B 17 #374 ARCH ST
N/F BRENDA TORRES MBL: C9B 19 #368 ARCH ST
N/F THREE HUNDRED ARCH ST LLC MBL: C9B 21 #340 ARCH ST
A
B
D
C2
C3
C9

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25
CAD File:	PLN230194401

Title
SITE PLAN

Sheet No.
PLN-01

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; xb-230194401 ; xs-2024001 ; XR-CIVIL-2024001 ; XT230194401-02

1/24/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\PLN230194401.DWG,PLN-01 24X36 20SC.

LEGEND

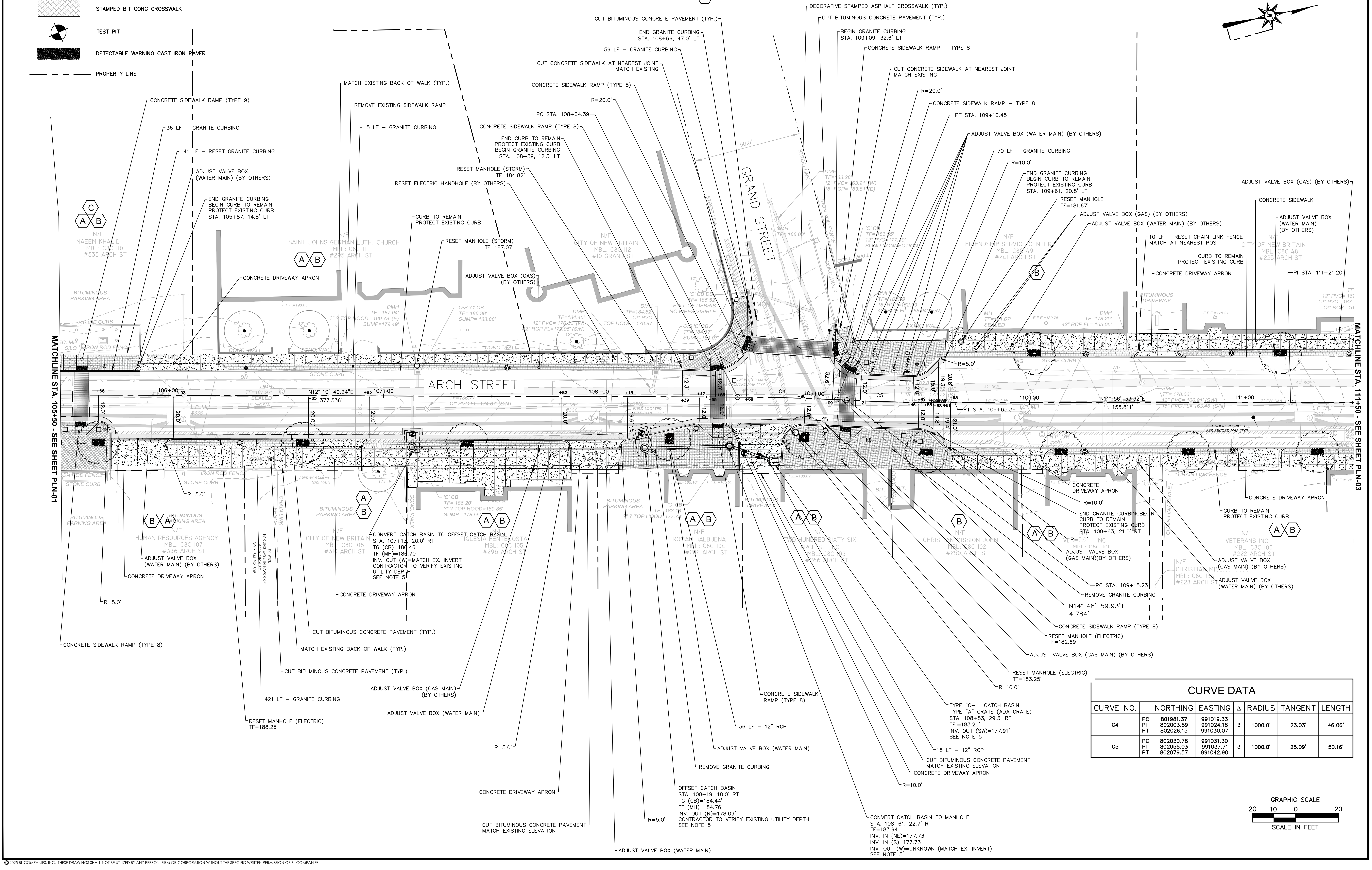
▨	CONCRETE SIDEWALK
— — —	CUT BITUMINOUS CONCRETE PAVEMENT
▨	BITUMINOUS CONCRETE PATCHING – FULL DEPTH
▨	BRICK PAVER SIDEWALK
▨	STAMPED BIT CONC CROSSWALK
⊗	TEST PIT
■	DETECTABLE WARNING CAST IRON PAVER
— — —	PROPERTY LINE

NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM #0952001 – SELECTIVE CLEARING AND THINNING.
3. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
4. ALL PROPOSED SIDEWALK SHALL MAINTAIN A 4' MINIMUM CLEAR WIDTH FOR PEDESTRIANS WHEN TRAVELING PAST ANY EXISTING FEATURES.
5. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND PIPE SIZES PRIOR TO COMMENCING PROPOSED DRAINAGE WORK.
6. DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS WORK SHALL BE PAID UNDER ITEM #0944001A – FURNISHING AND PLACING TOPSOIL.
7. CONTRACTOR SHALL PROTECT ANY TRAFFIC SIGNAL EQUIPMENT TO REMAIN. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED WORK.
8. ALL SURVEY MONUMENTS LOCATED WITHIN PROPOSED WORK SHALL BE RESET TO THE PROPOSED GRADE AND PAID FOR UNDER ITEM #0202559A – REMOVE AND RESET SURVEY MONUMENT.
9. CONTRACTOR TO ENSURE SPAN POLE FOUNDATIONS ARE PROTECTED.
10. ALL UTILITY VALVES SHALL BE RESET BY OTHERS.
11. SIDEWALK WIDTH SHALL MATCH THE EXISTING BACK OF WALK UNLESS OTHERWISE INDICATED ON THE PLANS.
12. THE CONTRACTOR SHALL CLEAN ALL SILTED CONVERTED DRAINAGE STRUCTURES. THIS WORK SHALL BE PAID UNDER ITEM #0653630 – CLEAN EXISTING DRAINAGE STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

Ⓐ RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
Ⓑ RIGHT TO CONSTRUCT WALK REQUIRED
Ⓒ RIGHT TO RESET CURBING
Ⓓ EASEMENT TO INSTALL AND MAINTAIN TRAFFIC DEVICES AND APPURTENANCES
Ⓔ RIGHT TO REMOVE AND RESET FENCE REQUIRED
Ⓕ RIGHT TO INSTALL ORNAMENTAL METAL FENCE REQUIRED



ARCH STREET
GRAND STREET
MATCHLINE STA. 105+50 - SEE SHEET PLN-01
MATCHLINE STA. 111+50 - SEE SHEET PLN-03
N12° 10' 40.24"E
377.536'
N11° 56' 33.32"E
155.811'
N14° 48' 59.93"E
4.784'
PT STA. 109+65.39
C4
C5
106+00
107+00
108+00
109+00
110+00
111+00
CONCRETE SIDEWALK RAMP (TYPE 9)
36 LF – GRANITE CURBING
41 LF – RESET GRANITE CURBING
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
END GRANITE CURBING BEGIN CURB TO REMAIN PROTECT EXISTING CURB STA. 105+87, 14.8' LT
MATCH EXISTING BACK OF WALK (TYP.)
REMOVE EXISTING SIDEWALK RAMP
5 LF – GRANITE CURBING
CONCRETE DRIVEWAY APRON
CURB TO REMAIN PROTECT EXISTING CURB
RESET MANHOLE (STORM) TF=187.07'
ADJUST VALVE BOX (GAS) (BY OTHERS)
RESET ELECTRIC HANDHOLE (BY OTHERS)
RESET MANHOLE (STORM) TF=184.82'
END CURB TO REMAIN PROTECT EXISTING CURB BEGIN GRANITE CURBING STA. 108+39, 12.3' LT
CONCRETE SIDEWALK RAMP (TYPE 8)
PC STA. 108+64.39
R=20.0'
CONCRETE SIDEWALK RAMP (TYPE 8)
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
59 LF – GRANITE CURBING
END GRANITE CURBING STA. 108+69, 47.0' LT
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
BEGIN GRANITE CURBING STA. 109+09, 32.6' LT
CONCRETE SIDEWALK RAMP – TYPE 8
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
R=20.0'
CONCRETE SIDEWALK RAMP – TYPE 8
PT STA. 109+10.45
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
70 LF – GRANITE CURBING
R=10.0'
END GRANITE CURBING BEGIN CURB TO REMAIN PROTECT EXISTING CURB STA. 109+61, 20.8' LT
RESET MANHOLE TF=181.67'
ADJUST VALVE BOX (GAS) (BY OTHERS)
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
10 LF – RESET CHAIN LINK FENCE MATCH AT NEAREST POST
CURB TO REMAIN PROTECT EXISTING CURB
CONCRETE DRIVEWAY APRON
ADJUST VALVE BOX (GAS) (BY OTHERS)
CONCRETE SIDEWALK
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
PI STA. 111+21.20
R=5.0'
R=5.0'
CONCRETE DRIVEWAY APRON
R=10.0'
END GRANITE CURBINGBEGIN CURB TO REMAIN PROTECT EXISTING CURB STA. 109+63, 21.0' RT
R=5.0'
ADJUST VALVE BOX (GAS MAIN)(BY OTHERS)
CURB TO REMAIN PROTECT EXISTING CURB
CONCRETE DRIVEWAY APRON
ADJUST VALVE BOX (GAS MAIN) (BY OTHERS)
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
PC STA. 109+15.23
REMOVE GRANITE CURBING
CONCRETE SIDEWALK RAMP (TYPE 8)
RESET MANHOLE (ELECTRIC) TF=182.69
ADJUST VALVE BOX (GAS MAIN) (BY OTHERS)
RESET MANHOLE (ELECTRIC) TF=183.25'
R=10.0'
TYPE "C-L" CATCH BASIN TYPE "A" GRATE (ADA GRATE) STA. 108+83, 29.3' RT TF.=183.20' INV. OUT (SW)=177.91' SEE NOTE 5
18 LF – 12" RCP
CUT BITUMINOUS CONCRETE PAVEMENT MATCH EXISTING ELEVATION
CONCRETE DRIVEWAY APRON
R=10.0'
CONVERT CATCH BASIN TO MANHOLE STA. 108+61, 22.7' RT TF=183.94 INV. IN (NE)=177.73 INV. IN (S)=177.73 INV. OUT (W)=UNKNOWN (MATCH EX. INVERT) SEE NOTE 5
CONCRETE SIDEWALK RAMP (TYPE 8)
36 LF – 12" RCP
ADJUST VALVE BOX (WATER MAIN)
REMOVE GRANITE CURBING
OFFSET CATCH BASIN STA. 108+19, 18.0' RT TG (CB)=184.44' TF (MH)=184.76' INV. OUT (N)=178.09' CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH SEE NOTE 5
R=5.0'
ADJUST VALVE BOX (WATER MAIN)
CUT BITUMINOUS CONCRETE PAVEMENT MATCH EXISTING ELEVATION
CONCRETE DRIVEWAY APRON
R=5.0'
ADJUST VALVE BOX (WATER MAIN)
ADJUST VALVE BOX (GAS MAIN) (BY OTHERS)
CONVERT CATCH BASIN TO OFFSET CATCH BASIN STA. 107+13, 20.0' RT TG (CB)=186.46 TF (MH)=186.70 INV. OUT (W)=MATCH EX. INVERT CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH SEE NOTE 5
CONCRETE DRIVEWAY APRON
RESET MANHOLE (ELECTRIC) TF=188.25
421 LF – GRANITE CURBING
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
MATCH EXISTING BACK OF WALK (TYP.)
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
ADJUST VALVE BOX (WATER MAIN) (BY OTHERS)
CONCRETE DRIVEWAY APRON
R=5.0'
R=5.0'
CONCRETE SIDEWALK RAMP (TYPE 8)
N/F NAEEM KHALID MBL: C8C 110 #333 ARCH ST
N/F SAINT JOHNS GERMAN LUTH. CHURCH MBL: C8C 111 #295 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 112 #10 GRAND ST
N/F FRIENDSHIP SERVICE CENTER MBL: C8C 49 #241 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 48 #225 ARCH ST
N/F HUMAN RESOURCES AGENCY MBL: C8C 107 #336 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 106 #310 ARCH ST
N/F IGLESIA PENTECOSTAL MBL: C8C 105 #296 ARCH ST
N/F ROMAN BALBUENA MBL: C8C 104 #282 ARCH ST
N/F TWO HUNDRED SIXTY SIX ARCH ST LLC MBL: C8C 103 #266 ARCH ST
N/F CHRISTIAN MISSION JOHN INC MBL: C8C 102 #256 ARCH ST
N/F VETERANS INC MBL: C8C 100 #222 ARCH ST
N/F CHRISTIAN MI… MBL: C8C 101 #228 ARCH ST
BITUMINOUS PARKING AREA
UNDERGROUND TELE PER RECORD MAP (TYP.)
CHAIN LINK FENCE
STONE CURB
IRON ROD FENCE
CONC WALL
50.0'
12.0'
20.0'

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C4	PC PI PT	801981.37 802003.89 802026.15	991019.33 991024.18 991030.07	3	1000.0'	23.03'	46.06'
C5	PC PI PT	802030.78 802055.03 802079.57	991031.30 991037.71 991042.90	3	1000.0'	25.09'	50.16'

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25

CAD File:
PLN230194401

Title
SITE PLAN

Sheet No.
PLN-02

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; xb-230194401 ; xs-2024001 ; XR-CIVIL-2024001 ; XT230194401-02

1/24/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\PLN230194401.DWG.PLN-02 24X36 20SC.

LEGEND

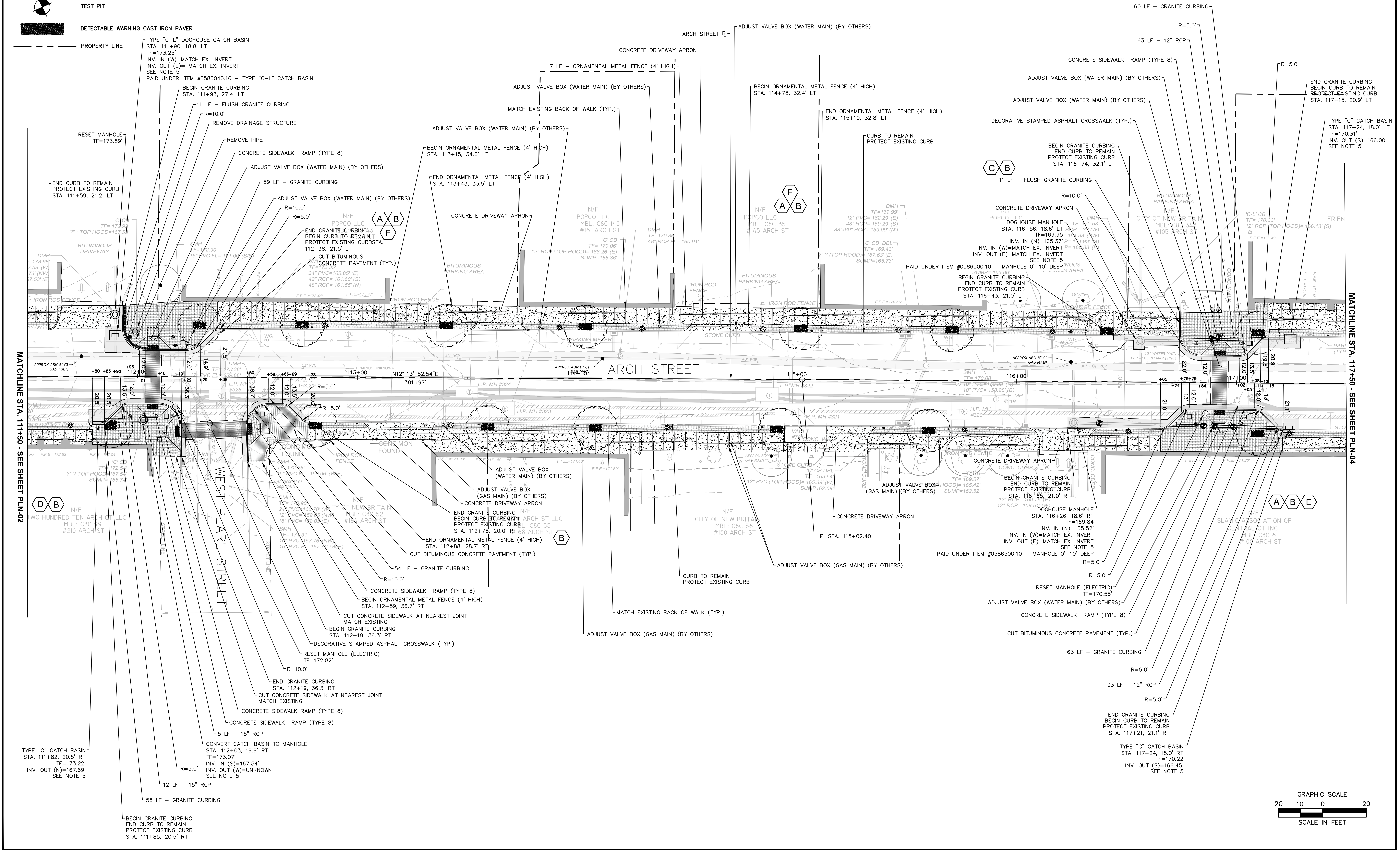
▨	CONCRETE SIDEWALK
— — —	CUT BITUMINOUS CONCRETE PAVEMENT
▨	BITUMINOUS CONCRETE PATCHING – FULL DEPTH
▨	BRICK PAVER SIDEWALK
▨	STAMPED BIT CONC CROSSWALK
⊗	TEST PIT
▨	DETECTABLE WARNING CAST IRON PAVER
—— — — ——	PROPERTY LINE

NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM #0952001 – SELECTIVE CLEARING AND THINNING.
3. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
4. ALL PROPOSED SIDEWALK SHALL MAINTAIN A 4' MINIMUM CLEAR WIDTH FOR PEDESTRIANS WHEN TRAVELING PAST ANY EXISTING FEATURES.
5. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND PIPE SIZES PRIOR TO COMMENCING PROPOSED DRAINAGE WORK.
6. DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS WORK SHALL BE PAID UNDER ITEM #0944001A – FURNISHING AND PLACING TOPSOIL.
7. CONTRACTOR SHALL PROTECT ANY TRAFFIC SIGNAL EQUIPMENT TO REMAIN. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED WORK.
8. ALL SURVEY MONUMENTS LOCATED WITHIN PROPOSED WORK SHALL BE RESET TO THE PROPOSED GRADE AND PAID FOR UNDER ITEM #0202559A – REMOVE AND RESET SURVEY MONUMENT. .
9. CONTRACTOR TO ENSURE SPAN POLE FOUNDATIONS ARE PROTECTED.
10. ALL UTILITY VALVES SHALL BE RESET BY OTHERS.
11. SIDEWALK WIDTH SHALL MATCH THE EXISTING BACK OF WALK UNLESS OTHERWISE INDICATED ON THE PLANS.
12. THE CONTRACTOR SHALL CLEAN ALL SILTED CONVERTED DRAINAGE STRUCTURES. THIS WORK SHALL BE PAID UNDER ITEM #0653630 – CLEAN EXISTING DRAINAGE STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

A	RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
B	RIGHT TO CONSTRUCT WALK REQUIRED
C	RIGHT TO RESET CURBING
D	EASEMENT TO INSTALL AND MAINTAIN TRAFFIC DEVICES AND APPURTENANCES
E	RIGHT TO REMOVE AND RESET FENCE REQUIRED
F	RIGHT TO INSTALL ORNAMENTAL METAL FENCE REQUIRED



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS		
No.	Date	Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25

CAD File:
PLN230194401

Title
SITE PLAN

Sheet No.
PLN-03

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; xb-230194401 ; xs-2024001 ; XR-CIVIL-2024001 ; XT230194401-02

1/24/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\PLN230194401.DWG,PLN-03 24X36 20SC.

LEGEND

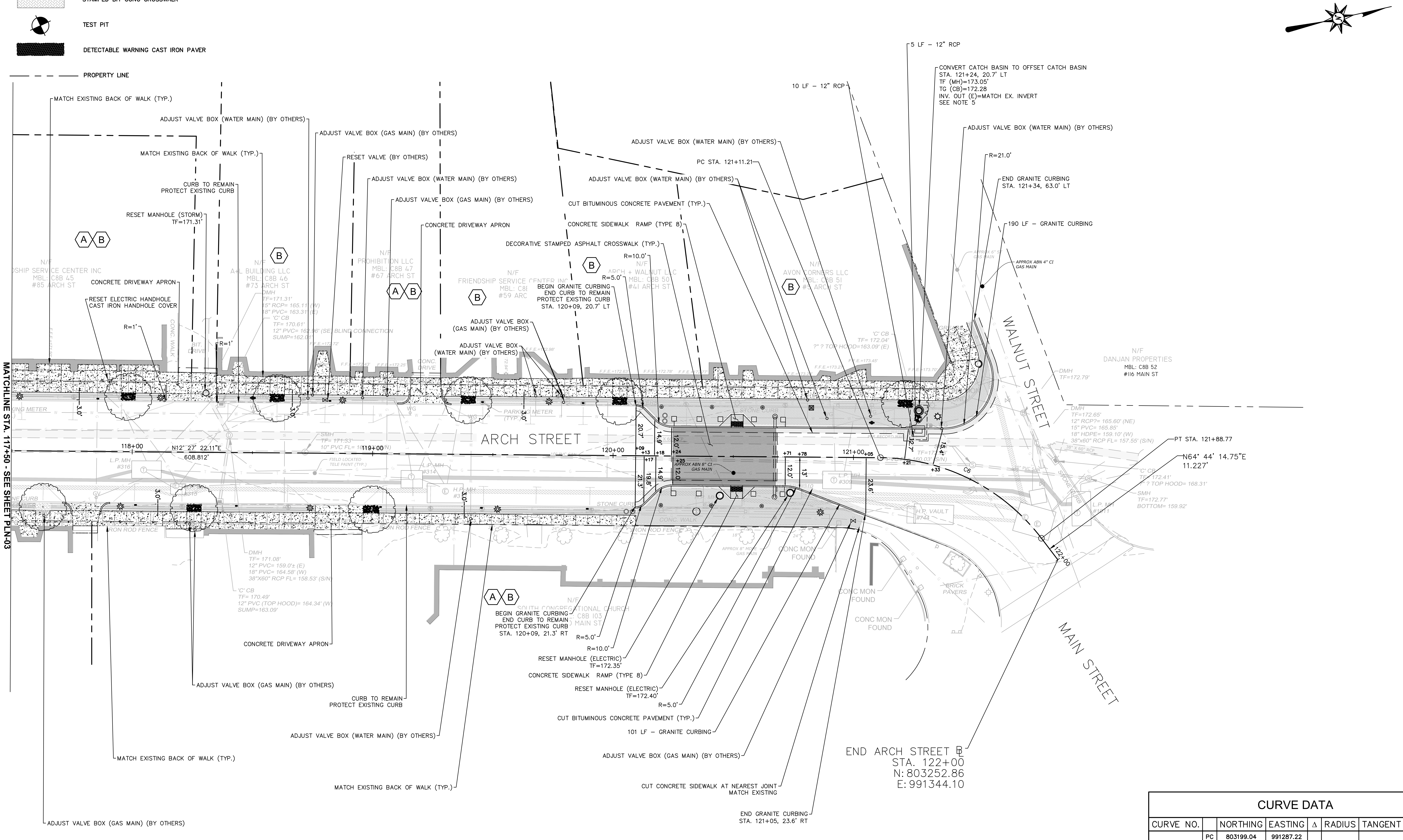
▨	CONCRETE SIDEWALK
— — —	CUT BITUMINOUS CONCRETE PAVEMENT
▩	BITUMINOUS CONCRETE PATCHING – FULL DEPTH
▦	BRICK PAVER SIDEWALK
░	STAMPED BIT CONC CROSSWALK
⊗	TEST PIT
■	DETECTABLE WARNING CAST IRON PAVER
— - —	PROPERTY LINE

NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM #0952001 – SELECTIVE CLEARING AND THINNING.
3. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
4. ALL PROPOSED SIDEWALK SHALL MAINTAIN A 4' MINIMUM CLEAR WIDTH FOR PEDESTRIANS WHEN TRAVELING PAST ANY EXISTING FEATURES.
5. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND PIPE SIZES PRIOR TO COMMENCING PROPOSED DRAINAGE WORK.
6. DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS WORK SHALL BE PAID UNDER ITEM #0944001A – FURNISHING AND PLACING TOPSOIL.
7. CONTRACTOR SHALL PROTECT ANY TRAFFIC SIGNAL EQUIPMENT TO REMAIN. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED WORK.
8. ALL SURVEY MONUMENTS LOCATED WITHIN PROPOSED WORK SHALL BE RESET TO THE PROPOSED GRADE AND PAID FOR UNDER ITEM #0202559A – REMOVE AND RESET SURVEY MONUMENT. .
9. CONTRACTOR TO ENSURE SPAN POLE FOUNDATIONS ARE PROTECTED.
10. ALL UTILITY VALVES SHALL BE RESET BY OTHERS.
11. SIDEWALK WIDTH SHALL MATCH THE EXISTING BACK OF WALK UNLESS OTHERWISE INDICATED ON THE PLANS.
12. THE CONTRACTOR SHALL CLEAN ALL SILTED CONVERTED DRAINAGE STRUCTURES. THIS WORK SHALL BE PAID UNDER ITEM #0653630 – CLEAN EXISTING DRAINAGE STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

A	RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
B	RIGHT TO CONSTRUCT WALK REQUIRED
C	RIGHT TO RESET CURBING
D	EASEMENT TO INSTALL AND MAINTAIN TRAFFIC DEVICES AND APPURTENANCES
E	RIGHT TO REMOVE AND RESET FENCE REQUIRED
F	RIGHT TO INSTALL ORNAMENTAL METAL FENCE REQUIRED



CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C6	PC PI PT	803199.04 803239.77 803257.58	991287.22 991296.22 991333.95	52	85.0'	41.72'	77.56'

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25

CAD File:
PLN230194401

Title
SITE PLAN

Sheet No.
PLN-04

Xref (s) : XZ230194401 ; BD230194401 ; XR230194402 ; xb-230194401 ; xs-2024001 ; XR-CIVIL-2024001 ; XT230194401-02

1/24/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\PLN230194401.DWG.PLN-04 24X36 20SC.

LEGEND

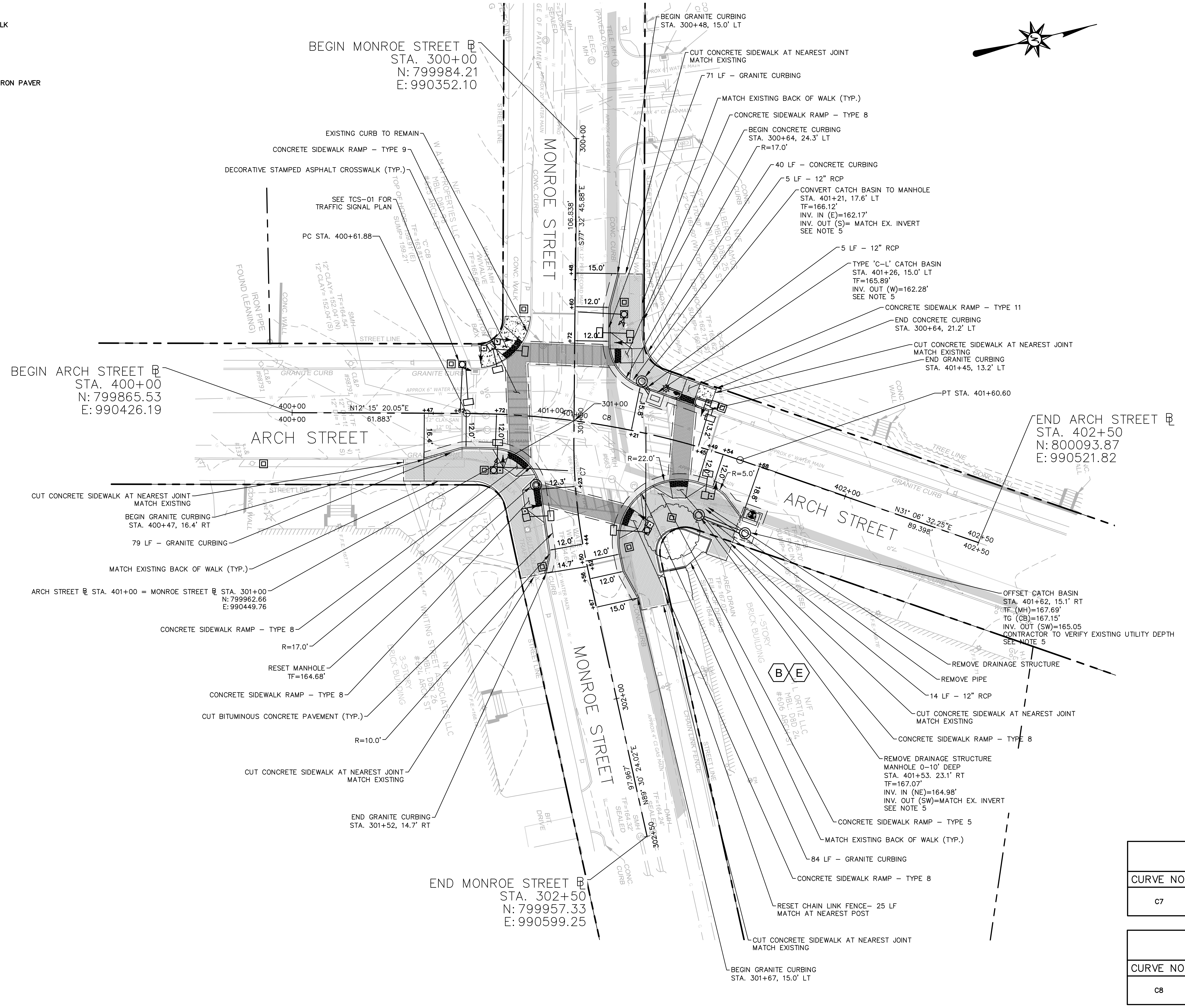
▨	CONCRETE SIDEWALK
— — —	CUT BITUMINOUS CONCRETE PAVEMENT
▨	BITUMINOUS CONCRETE PATCHING – FULL DEPTH
▨	BRICK PAVER SIDEWALK
▨	STAMPED BIT CONC CROSSWALK
⊗	TEST PIT
■	DETECTABLE WARNING CAST IRON PAVER
—— — — ——	PROPERTY LINE

NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM #0952001 – SELECTIVE CLEARING AND THINNING.
3. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
4. ALL PROPOSED SIDEWALK SHALL MAINTAIN A 4' MINIMUM CLEAR WIDTH FOR PEDESTRIANS WHEN TRAVELING PAST ANY EXISTING FEATURES.
5. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND PIPE SIZES PRIOR TO COMMENCING PROPOSED DRAINAGE WORK.
6. DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND TURF ESTABLISHMENT. THIS WORK SHALL BE PAID UNDER ITEM #0944001A – FURNISHING AND PLACING TOPSOIL.
7. CONTRACTOR SHALL PROTECT ANY TRAFFIC SIGNAL EQUIPMENT TO REMAIN. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED WORK.
8. ALL SURVEY MONUMENTS LOCATED WITHIN PROPOSED WORK SHALL BE RESET TO THE PROPOSED GRADE AND PAID FOR UNDER ITEM #0202559A – REMOVE AND RESET SURVEY MONUMENT. .
9. CONTRACTOR TO ENSURE SPAN POLE FOUNDATIONS ARE PROTECTED.
10. ALL UTILITY VALVES SHALL BE RESET BY OTHERS.
11. SIDEWALK WIDTH SHALL MATCH THE EXISTING BACK OF WALK UNLESS OTHERWISE INDICATED ON THE PLANS.
12. THE CONTRACTOR SHALL CLEAN ALL SILTED CONVERTED DRAINAGE STRUCTURES. THIS WORK SHALL BE PAID UNDER ITEM #0653630 – CLEAN EXISTING DRAINAGE STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

A	RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
B	RIGHT TO CONSTRUCT WALK REQUIRED
C	RIGHT TO RESET CURBING
D	EASEMENT TO INSTALL AND MAINTAIN TRAFFIC DEVICES AND APPURTENANCES
E	RIGHT TO REMOVE AND RESET FENCE REQUIRED
F	RIGHT TO INSTALL ORNAMENTAL METAL FENCE REQUIRED


BEGIN MONROE STREET ℄
STA. 300+00
N: 799984.21
E: 990352.10
BEGIN ARCH STREET ℄
STA. 400+00
N: 799865.53
E: 990426.19
END ARCH STREET ℄
STA. 402+50
N: 800093.87
E: 990521.82
END MONROE STREET ℄
STA. 302+50
N: 799957.33
E: 990599.25
ARCH STREET
MONROE STREET
EXISTING CURB TO REMAIN
CONCRETE SIDEWALK RAMP – TYPE 9
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
SEE TCS-01 FOR TRAFFIC SIGNAL PLAN
PC STA. 400+61.88
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
BEGIN GRANITE CURBING STA. 400+47, 16.4' RT
79 LF – GRANITE CURBING
MATCH EXISTING BACK OF WALK (TYP.)
ARCH STREET ℄ STA. 401+00 = MONROE STREET ℄ STA. 301+00 N: 799962.66 E: 990449.76
CONCRETE SIDEWALK RAMP – TYPE 8
R=17.0'
RESET MANHOLE TF=164.68'
CONCRETE SIDEWALK RAMP – TYPE 8
CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)
R=10.0'
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
END GRANITE CURBING STA. 301+52, 14.7' RT
BEGIN GRANITE CURBING STA. 300+48, 15.0' LT
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
71 LF – GRANITE CURBING
MATCH EXISTING BACK OF WALK (TYP.)
CONCRETE SIDEWALK RAMP – TYPE 8
BEGIN CONCRETE CURBING STA. 300+64, 24.3' LT
R=17.0'
40 LF – CONCRETE CURBING
5 LF – 12" RCP
CONVERT CATCH BASIN TO MANHOLE STA. 401+21, 17.6' LT TF=166.12' INV. IN (E)=162.17' INV. OUT (S)= MATCH EX. INVERT SEE NOTE 5
5 LF – 12" RCP
TYPE 'C-L' CATCH BASIN STA. 401+26, 15.0' LT TF=165.89' INV. OUT (W)=162.28' SEE NOTE 5
CONCRETE SIDEWALK RAMP – TYPE 11
END CONCRETE CURBING STA. 300+64, 21.2' LT
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
END GRANITE CURBING STA. 401+45, 13.2' LT
PT STA. 401+60.60
OFFSET CATCH BASIN STA. 401+62, 15.1' RT TF (MH)=167.69' TG (CB)=167.15' INV. OUT (SW)=165.05 CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH SEE NOTE 5
REMOVE DRAINAGE STRUCTURE
REMOVE PIPE
14 LF – 12" RCP
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
CONCRETE SIDEWALK RAMP – TYPE 8
REMOVE DRAINAGE STRUCTURE MANHOLE 0-10' DEEP STA. 401+53. 23.1' RT TF=167.07' INV. IN (NE)=164.98' INV. OUT (SW)=MATCH EX. INVERT SEE NOTE 5
CONCRETE SIDEWALK RAMP – TYPE 5
MATCH EXISTING BACK OF WALK (TYP.)
84 LF – GRANITE CURBING
CONCRETE SIDEWALK RAMP – TYPE 8
RESET CHAIN LINK FENCE– 25 LF MATCH AT NEAREST POST
CUT CONCRETE SIDEWALK AT NEAREST JOINT MATCH EXISTING
BEGIN GRANITE CURBING STA. 301+67, 15.0' LT
B E
400+00
N12° 15' 20.05"E
61.883'
401+00
301+00
C7
C8
R=22.0'
R=5.0'
402+00
N31° 06' 32.25"E
89.398'
402+50
300+00
S77° 32' 45.88"E
106.838'
302+00
N89° 30' 24.02"E
97.967'
302+50
12.0'
12.3'
14.7'
15.0'
15.8'
13.2'
16.4'
18.8'

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C7	PC PI PT	799961.19 799956.30 799956.49	990456.43 990478.59 990501.28	13	200.0'	22.69'	45.19'

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C8	PC PI PT	799926.01 799974.68 800017.33	990439.32 990449.90 990475.63	19	300.0'	49.81'	98.72'

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

Architecture
Engineering
Environmental
Land Surveying

BL Companies

100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	S.E.P.
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2301944
Date	01/23/25

CAD File:
PLN230194401

Title
SITE PLAN

Sheet No.
PLN-05

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; xb-230194401 ; xs-2024001 ; XR-CIVIL-2024001 ; XT230194401-02

1/24/2025, SPELLEGRINI, G:\JOBS23\18\2301944\DWG\PLN230194401.DWG.PLN-05 24X36 20SC.

STRIPE LEGNED:

SWL	4" SOLID WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SWSB	12" SOLID WHITE STOP BAR
WDEL	4" WHITE DOTTED EXTENSION LINE (2' DASH, 4' SPACE)

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.	

GENERAL NOTES

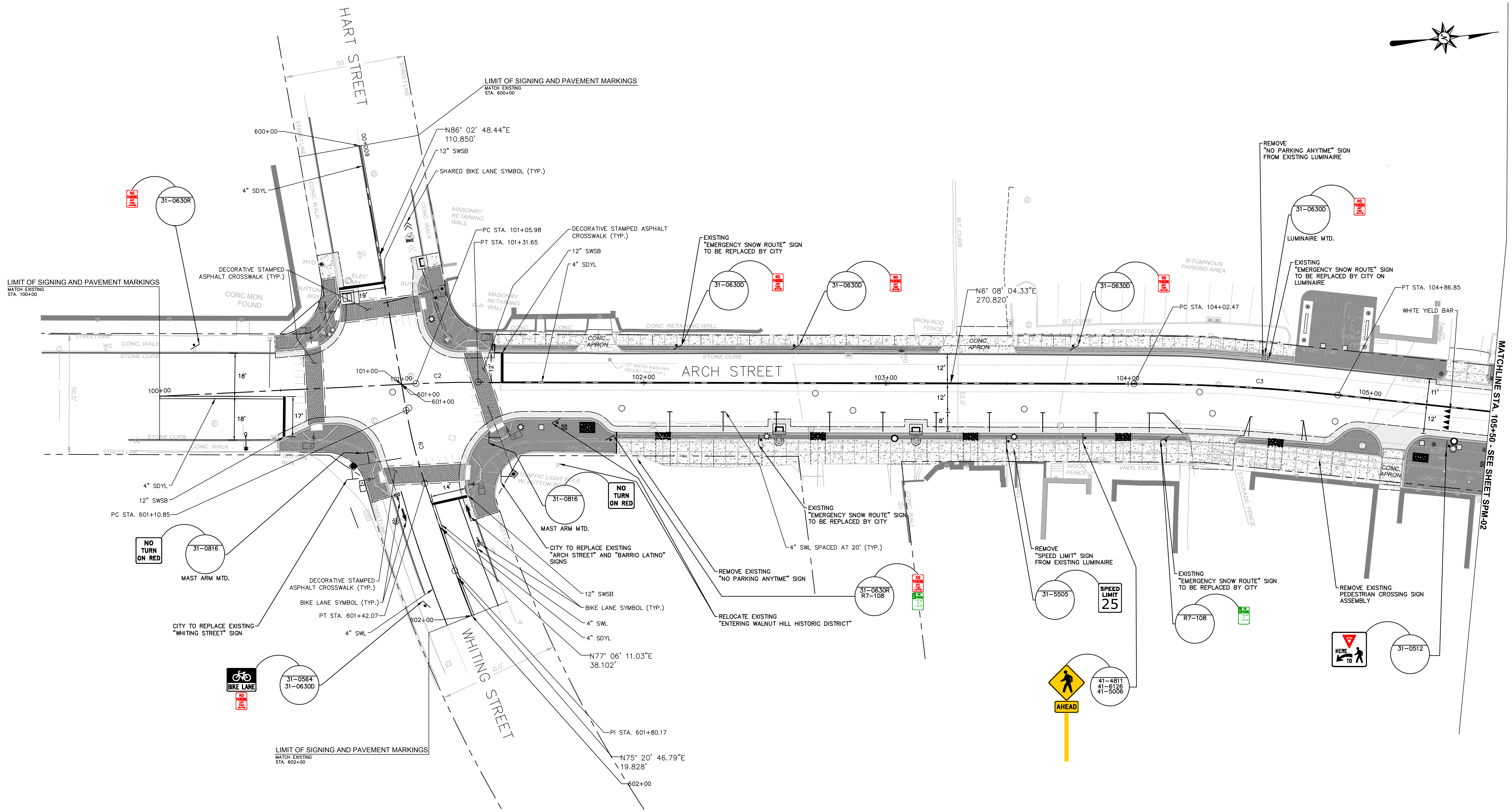
1. SEE STANDARD DETAIL SHEETS TR–1210_04, TR–1210_08, AND TR–1210_09 FOR PAVEMENT MARKING DETAILS.
2. SEE STANDARD DETAIL SHEETS TR–1208_01, TR–1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.
3. SEE HIGHWAY SUBSET DRAWING PLN–01 FOR MORE INFORMATION.
4. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.

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 REPLACED.
2. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH CITY AND CTDOT STANDARD SHEETS.
3. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
4. CITY TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGNING NOTES

1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF SIGNING UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING SIGN SUPPORTS AND FOUNDATIONS SHALL BE PAID FOR UNDER ITEM NO. 1206013 – 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 TO MAINTAIN ALL SIGNS.



GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

Architecture
Engineering
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100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

REVISIONS
No. Date Desc.

Designed	S.M.S.
Drawn	S.M.S.
Reviewed	M.R.S
Scale	1"=20'
Project No.	2301944
Date	01/23/25

CAD File:
SPM230194401

Title
SIGNING AND
PAVEMENT
MARKINGS

Sheet No.
SPM–01

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; XT2301944-SPM ; XT230194401-02 ; xb-2024001

1/23/2025, SSEPERACK, G:\JOBS23\18\2301944\DWG\SPM230194401.DWG,SPM-01 24X36 20SC.

STRIPE LEGNED:

SWL	4" SOLID WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SWSB	12" SOLID WHITE STOP BAR
WDEL	4" WHITE DOTTED EXTENSION LINE (2' DASH, 4' SPACE)

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.	

GENERAL NOTES

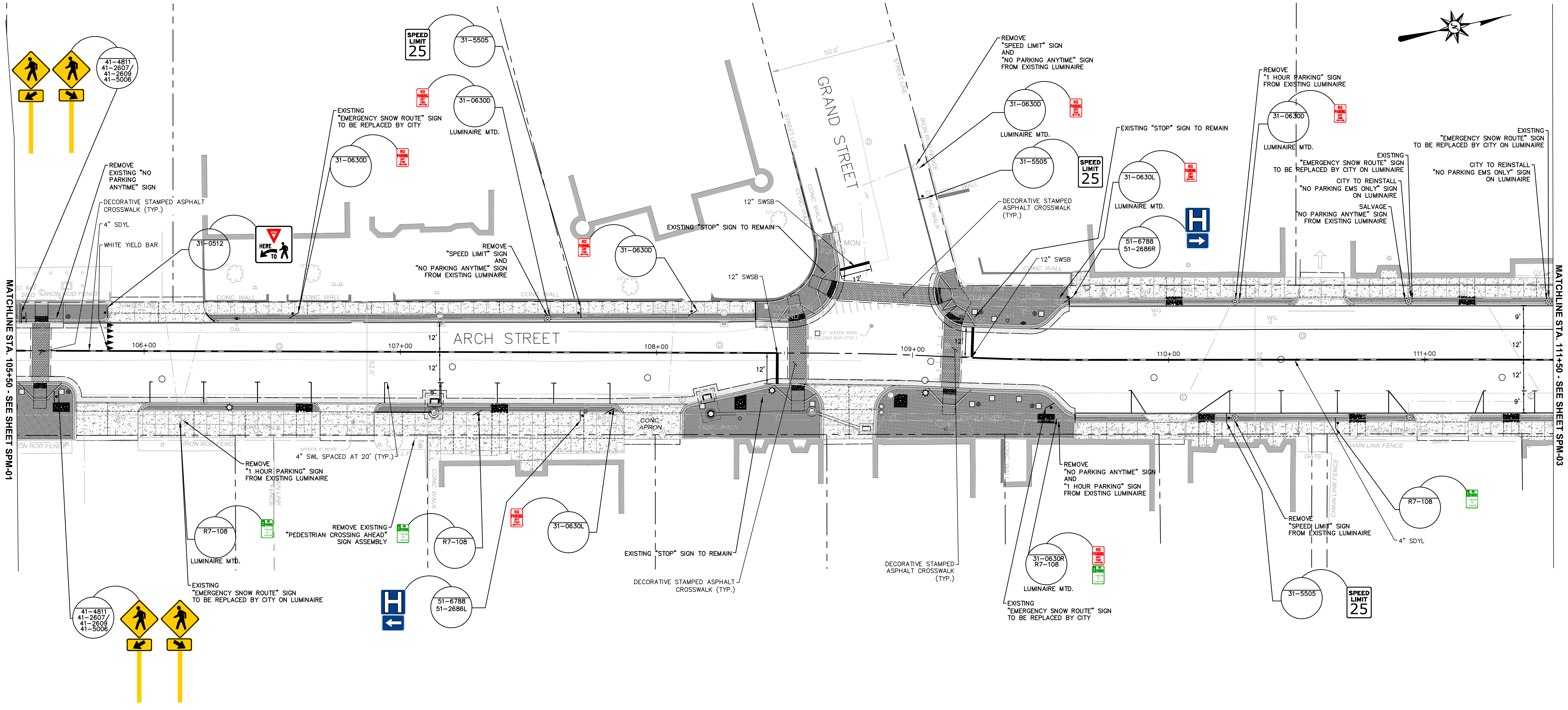
1. SEE STANDARD DETAIL SHEETS TR–1210_04, TR–1210_08, AND TR–1210_09 FOR PAVEMENT MARKING DETAILS.
2. SEE STANDARD DETAIL SHEETS TR–1208_01, TR–1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.
3. SEE HIGHWAY SUBSET DRAWING PLN–02 FOR MORE INFORMATION.
4. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.

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 REPLACED.
2. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH CITY AND CTDOT STANDARD SHEETS.
3. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
4. CITY TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGNING NOTES

1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF SIGNING UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING SIGN SUPPORTS AND FOUNDATIONS SHALL BE PAID FOR UNDER ITEM NO. 1206013 – 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 TO MAINTAIN ALL SIGNS.


MATCHLINE STA. 105+50 - SEE SHEET SPM-01
MATCHLINE STA. 111+50 - SEE SHEET SPM-03
ARCH STREET
GRAND STREET
106+00
107+00
108+00
109+00
110+00
111+00
12'
9'
50.0'
52.0'
41–4811
41–2607/
41–2609
41–5006
REMOVE EXISTING "NO PARKING ANYTIME" SIGN
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
4" SDYL
WHITE YIELD BAR
31–0512
HERE TO
SPEED LIMIT 25
31–5505
NO PARKING ANY TIME
31–0630D
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY
31–0630D
REMOVE "SPEED LIMIT" SIGN AND "NO PARKING ANYTIME" SIGN FROM EXISTING LUMINAIRE
31–0630D
12" SWSB
EXISTING "STOP" SIGN TO REMAIN
12" SWSB
REMOVE "SPEED LIMIT" SIGN AND "NO PARKING ANYTIME" SIGN FROM EXISTING LUMINAIRE
31–0630D
LUMINAIRE MTD.
31–5505
SPEED LIMIT 25
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
12" SWSB
EXISTING "STOP" SIGN TO REMAIN
31–0630L
LUMINAIRE MTD.
51–6788
51–2686R
H
REMOVE "1 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
31–0630D
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
CITY TO REINSTALL "NO PARKING EMS ONLY" SIGN ON LUMINAIRE
SALVAGE "NO PARKING ANYTIME" SIGN FROM EXISTING LUMINAIRE
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
CITY TO REINSTALL "NO PARKING EMS ONLY" SIGN ON LUMINAIRE
CONC. WALL
CONC. WALK
IRON ROD FENCE
CHAIN LINK FENCE
STREET LINE
CONC. APRON
GATE
METAL GUARD RAIL
REMOVE "1 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
4" SWL SPACED AT 20' (TYP.)
R7–108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
REMOVE EXISTING "PEDESTRIAN CROSSING AHEAD" SIGN ASSEMBLY
R7–108
31–0630L
51–6788
51–2686L
EXISTING "STOP" SIGN TO REMAIN
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
REMOVE "NO PARKING ANYTIME" SIGN AND "1 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
31–0630R
R7–108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY
REMOVE "SPEED LIMIT" SIGN FROM EXISTING LUMINAIRE
31–5505
SPEED LIMIT 25
R7–108
4" SDYL
41–4811
41–2607/
41–2609
41–5006

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

Architecture
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BL Companies

100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

Designed	S.M.S.
Drawn	S.M.S.
Reviewed	M.R.S
Scale	1"=20'
Project No.	2301944
Date	01/23/25
CAD File:	SPM230194401

Title
SIGNING AND PAVEMENT MARKINGS

Sheet No.
SPM–02

Xref (s): : XT230194401 : BD230194401 : XR230194402 : XT2301944-SPM : XT230194401-02 : xb-2024001

1/23/2025, SSEPERACK, G:\JOBS23\18\2301944\DWG\SPM230194401.DWG,SPM-02 24X36 20SC.

STRIPE LEGNED:

SWL	4" SOLID WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SWSB	12" SOLID WHITE STOP BAR
WDEL	4" WHITE DOTTED EXTENSION LINE (2' DASH, 4' SPACE)

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.	

GENERAL NOTES

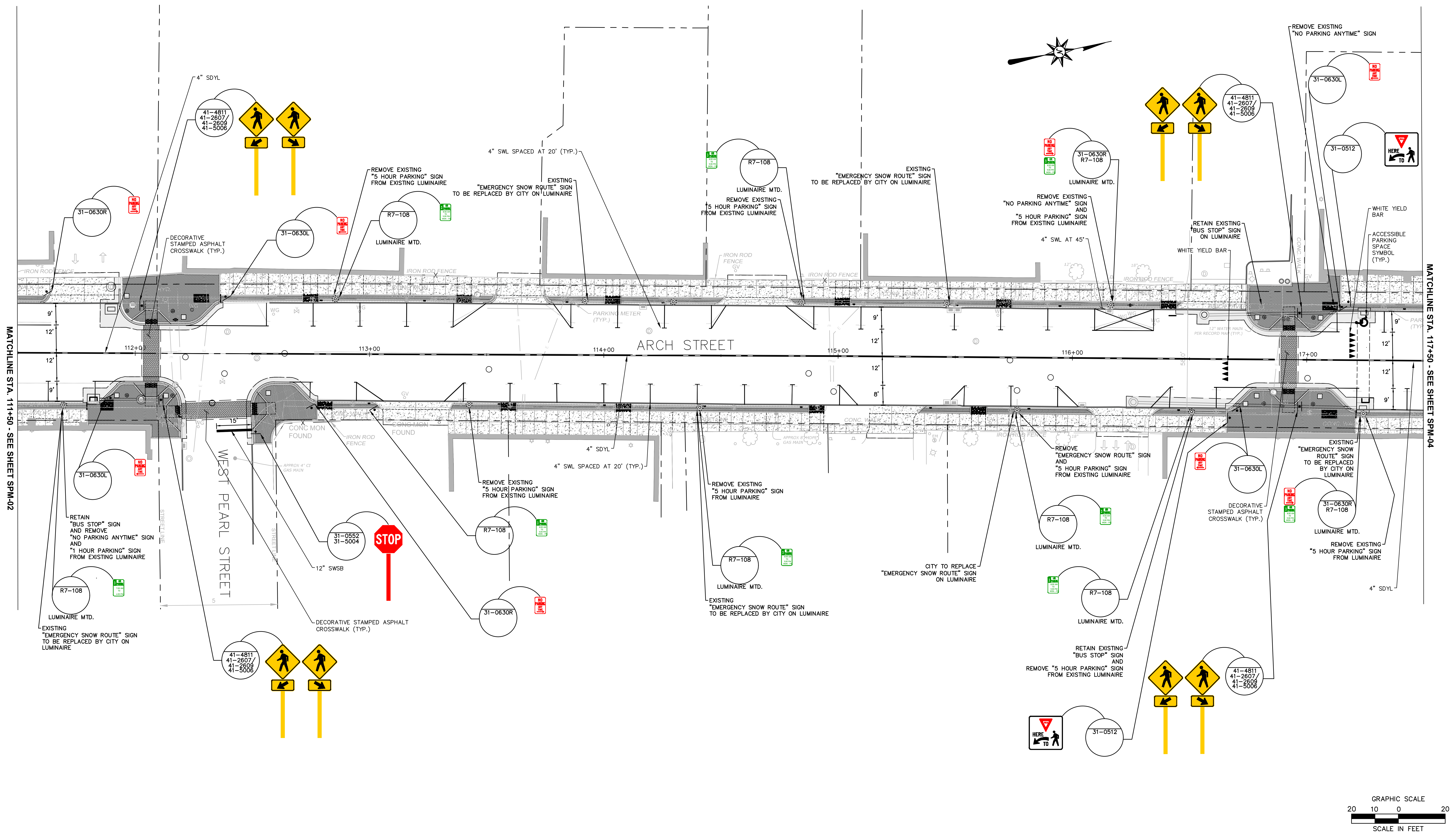
1. SEE STANDARD DETAIL SHEETS TR–1210_04, TR–1210_08, AND TR–1210_09 FOR PAVEMENT MARKING DETAILS.
2. SEE STANDARD DETAIL SHEETS TR–1208_01, TR–1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.
3. SEE HIGHWAY SUBSET DRAWING PLN–03 FOR MORE INFORMATION.
4. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.

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 REPLACED.
2. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH CITY AND CTDOT STANDARD SHEETS.
3. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
4. CITY TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGNING NOTES

1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF SIGNING UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING SIGN SUPPORTS AND FOUNDATIONS SHALL BE PAID FOR UNDER ITEM NO. 1206013 – 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 TO MAINTAIN ALL SIGNS.


MATCHLINE STA. 111+50 - SEE SHEET SPM-02
MATCHLINE STA. 117+50 - SEE SHEET SPM-04
ARCH STREET
WEST PEARL STREET
112+00
113+00
114+00
115+00
116+00
117+00
4" SDYL
41–4811
41–2607/
41–2609
41–5006
31–0630R
31–0630L
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
R7–108
LUMINAIRE MTD.
4" SWL SPACED AT 20' (TYP.)
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
R7–108
LUMINAIRE MTD.
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
31–0630R
R7–108
LUMINAIRE MTD.
REMOVE EXISTING "NO PARKING ANYTIME" SIGN AND "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
4" SWL AT 45°
RETAIN EXISTING "BUS STOP" SIGN ON LUMINAIRE
WHITE YIELD BAR
REMOVE EXISTING "NO PARKING ANYTIME" SIGN
31–0630L
31–0512
WHITE YIELD BAR
ACCESSIBLE PARKING SPACE SYMBOL (TYP.)
IRON ROD FENCE
PARKING METER (TYP.)
9'
12'
8'
15'
CONC MON FOUND
31–0630L
RETAIN "BUS STOP" SIGN AND REMOVE "NO PARKING ANYTIME" SIGN AND "1 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
R7–108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
31–0552
31–5004
STOP
12" SWSB
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
31–0630R
41–4811
41–2607/
41–2609
41–5006
4" SDYL
4" SWL SPACED AT 20' (TYP.)
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
R7–108
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM LUMINAIRE
R7–108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
CITY TO REPLACE "EMERGENCY SNOW ROUTE" SIGN ON LUMINAIRE
REMOVE "EMERGENCY SNOW ROUTE" SIGN AND "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
R7–108
LUMINAIRE MTD.
R7–108
LUMINAIRE MTD.
RETAIN EXISTING "BUS STOP" SIGN AND REMOVE "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
31–0630L
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
31–0630R
R7–108
LUMINAIRE MTD.
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM LUMINAIRE
4" SDYL
41–4811
41–2607/
41–2609
41–5006
31–0512
HERE TO
GRAPHIC SCALE
20
10
0
20
SCALE IN FEET

Architecture
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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	S.M.S.
Drawn	S.M.S.
Reviewed	M.R.S
Scale	1"=20'
Project No.	2301944
Date	01/23/25
CAD File:	SPM230194401

Title
SIGNING AND PAVEMENT MARKINGS

Sheet No.
SPM–03

Xref (s): : XT230194401 : BD230194401 : XR230194402 : XT2301944-SPM : XT230194401-02 : xb-2024001

STRIPE LEGNED:

SWL	4" SOLID WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SWSB	12" SOLID WHITE STOP BAR
WDEL	4" WHITE DOTTED EXTENSION LINE (2' DASH, 4' SPACE)

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.	

GENERAL NOTES

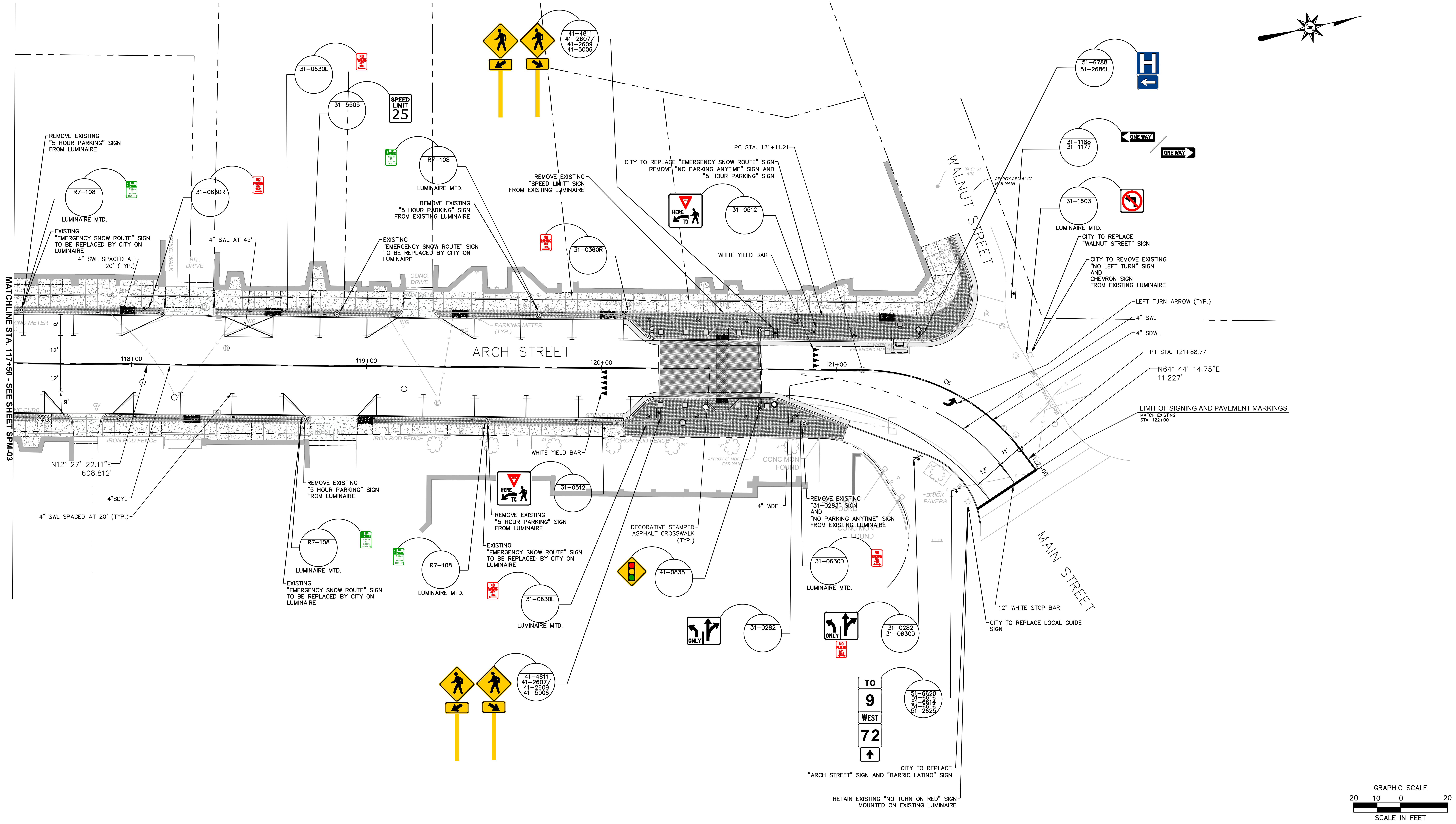
1. SEE STANDARD DETAIL SHEETS TR-1210_04, TR-1210_08, AND TR-1210_09 FOR PAVEMENT MARKING DETAILS.
2. SEE STANDARD DETAIL SHEETS TR-1208_01, TR-1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.
3. SEE HIGHWAY SUBSET DRAWING PLN-04 FOR MORE INFORMATION.
4. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.

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 REPLACED.
2. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH CITY AND CTDOT STANDARD SHEETS.
3. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
4. CITY TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGNING NOTES

1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF SIGNING UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING SIGN SUPPORTS AND FOUNDATIONS SHALL BE PAID FOR UNDER ITEM NO. 1206013 – 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 TO MAINTAIN ALL SIGNS.


MATCHLINE STA. 117+50 - SEE SHEET SPM-03
ARCH STREET
WALNUT STREET
MAIN STREET
118+00
119+00
120+00
121+00
122+00
9'
12'
12'
9'
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM LUMINAIRE
R7-108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
4" SWL SPACED AT 20' (TYP.)
31-0630R
4" SWL AT 45°
31-0630L
31-5505
SPEED LIMIT 25
R7-108
LUMINAIRE MTD.
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM EXISTING LUMINAIRE
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
REMOVE EXISTING "SPEED LIMIT" SIGN FROM EXISTING LUMINAIRE
31-0360R
41-4811
41-2607/
41-2609
41-5006
PC STA. 121+11.21
CITY TO REPLACE "EMERGENCY SNOW ROUTE" SIGN REMOVE "NO PARKING ANYTIME" SIGN AND "5 HOUR PARKING" SIGN
31-0512
WHITE YIELD BAR
YIELD HERE TO
NO PARKING ANY TIME
3 HR PARKING 8:00 AM TO 5:00 PM MON - FRI
CONC. WALK
BIT. DRIVE
CONC. DRIVE
PARKING METER (TYP.)
IRON ROD FENCE
STONE CURB
51-6788
51-2686L
H
31-1188
31-1177
ONE WAY
ONE WAY
31-1603
LUMINAIRE MTD.
CITY TO REPLACE "WALNUT STREET" SIGN
CITY TO REMOVE EXISTING "NO LEFT TURN" SIGN AND CHEVRON SIGN FROM EXISTING LUMINAIRE
APPROX ABN 4" CI GAS MAIN
LEFT TURN ARROW (TYP.)
4" SWL
4" SDWL
PT STA. 121+88.77
N64° 44' 14.75"E
11.227'
C6
11'
13'
LIMIT OF SIGNING AND PAVEMENT MARKINGS
MATCH EXISTING STA. 122+00
N12° 27' 22.11"E
608.812'
4"SDYL
4" SWL SPACED AT 20' (TYP.)
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM LUMINAIRE
R7-108
LUMINAIRE MTD.
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
R7-108
LUMINAIRE MTD.
31-0512
REMOVE EXISTING "5 HOUR PARKING" SIGN FROM LUMINAIRE
EXISTING "EMERGENCY SNOW ROUTE" SIGN TO BE REPLACED BY CITY ON LUMINAIRE
31-0630L
LUMINAIRE MTD.
WHITE YIELD BAR
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
41-0835
APPROX 8" MDPE GAS MAIN
CONC MON FOUND
4" WDEL
REMOVE EXISTING "31-0283" SIGN AND "NO PARKING ANYTIME" SIGN FROM EXISTING LUMINAIRE
31-0630D
LUMINAIRE MTD.
BRICK PAVERS
31-0282
ONLY
31-0282
31-0630D
41-4811
41-2607/
41-2609
41-5006
TO 9 WEST 72
51-6620
51-6616
51-6614
51-6616
51-2625
12" WHITE STOP BAR
CITY TO REPLACE LOCAL GUIDE SIGN
CITY TO REPLACE "ARCH STREET" SIGN AND "BARRIO LATINO" SIGN
RETAIN EXISTING "NO TURN ON RED" SIGN MOUNTED ON EXISTING LUMINAIRE
GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

Architecture
Engineering
Environmental
Land Surveying

BL Companies

100 Constitution Plaza
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

Designed	S.M.S.
Drawn	S.M.S.
Reviewed	M.R.S
Scale	1"=20'
Project No.	2301944
Date	01/23/25
CAD File:	SPM230194401

Title
SIGNING AND PAVEMENT MARKINGS

Sheet No.
SPM-04

Xref (s): ; XZ230194401 ; BD230194401 ; XR230194402 ; XT2301944-SPM ; XT230194401-02 ; xb-2024001

1/23/2025, SSEPERACK, G:\JOBS23\18\2301944\DWG\SPM230194401.DWG.SPM-04 24X36 20SC.

STRIPE LEGNED:

SWL	4" SOLID WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SWSB	12" SOLID WHITE STOP BAR
WDEL	4" WHITE DOTTED EXTENSION LINE (2' DASH, 4' SPACE)

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.	

GENERAL NOTES

1. SEE STANDARD DETAIL SHEETS TR-1210_04, TR-1210_08, AND TR-1210_09 FOR PAVEMENT MARKING DETAILS.
2. SEE STANDARD DETAIL SHEETS TR-1208_01, TR-1208_02 FOR SIGN PLACEMENT AND MOUNTING DETAILS.
3. SEE SEPARATE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF MAST ARM / SPAN MOUNTED SIGNS.

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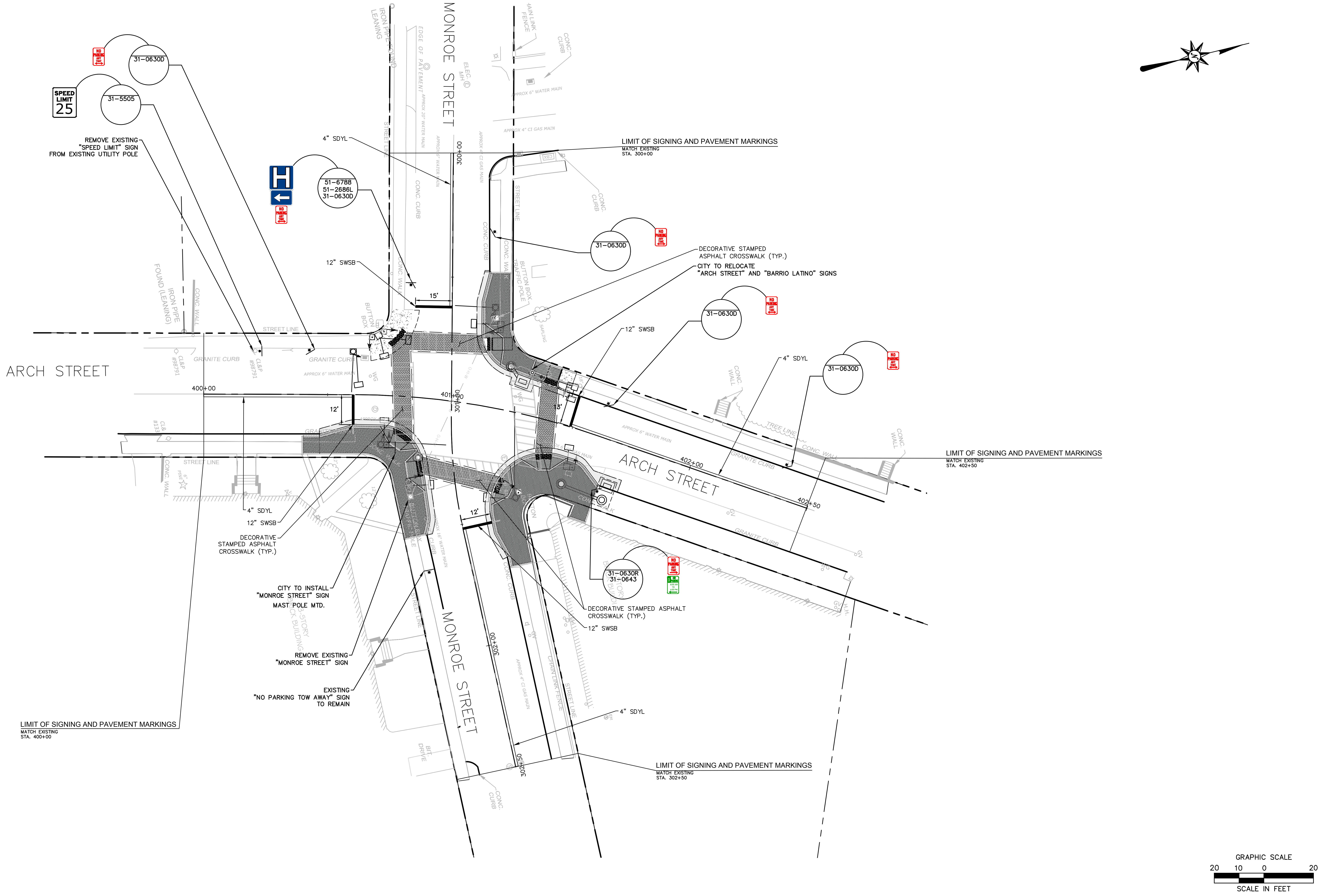
6. CITY TO MAINTAIN ALL SIGNS.


MONROE STREET
ARCH STREET
ARCH STREET
MONROE STREET
31–0630D
SPEED LIMIT 25
31–5505
REMOVE EXISTING "SPEED LIMIT" SIGN FROM EXISTING UTILITY POLE
4" SDYL
51–6788
51–2686L
31–0630D
12" SWSB
15'
LIMIT OF SIGNING AND PAVEMENT MARKINGS
MATCH EXISTING
STA. 300+00
31–0630D
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
CITY TO RELOCATE "ARCH STREET" AND "BARRIO LATINO" SIGNS
31–0630D
12" SWSB
4" SDYL
31–0630D
400+00
401+00
12'
13'
402+00
402+50
LIMIT OF SIGNING AND PAVEMENT MARKINGS
MATCH EXISTING
STA. 402+50
4" SDYL
12" SWSB
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
12'
31–0630R
31–0643
DECORATIVE STAMPED ASPHALT CROSSWALK (TYP.)
12" SWSB
CITY TO INSTALL "MONROE STREET" SIGN MAST POLE MTD.
REMOVE EXISTING "MONROE STREET" SIGN
EXISTING "NO PARKING TOW AWAY" SIGN TO REMAIN
4" SDYL
LIMIT OF SIGNING AND PAVEMENT MARKINGS
MATCH EXISTING
STA. 400+00
LIMIT OF SIGNING AND PAVEMENT MARKINGS
MATCH EXISTING
STA. 302+50
301+00
302+00
GRANITE CURB
CONC CURB
CONC WALL
STREET LINE
APPROX 6" WATER MAIN
APPROX 4" CI GAS MAIN
GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

Architecture
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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

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CAD File:
SPM230194401

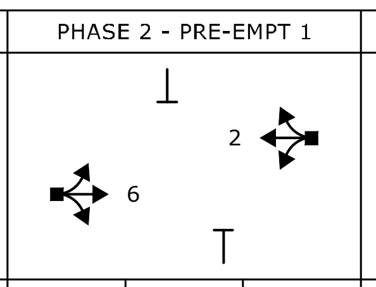
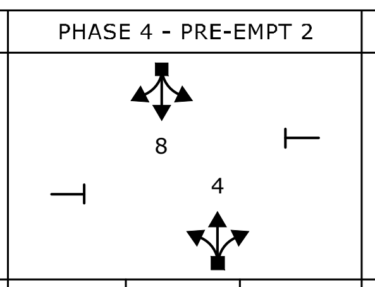
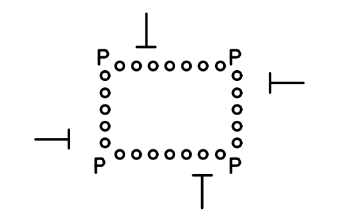
Title
SIGNING AND PAVEMENT MARKINGS

Sheet No.
SPM-05

Xref (s) : XZ230194401 ; BD230194401 ; XR230194402 ; XT230194401-SPM ; XT230194401-02 ; xb-2024001

1/23/2025, SSEPERACK, G:\JOBS23\18\2301944\DWG\SPM230194401.DWG.SPM-05 24X36 20SC.

MOVEMENT DIAGRAM

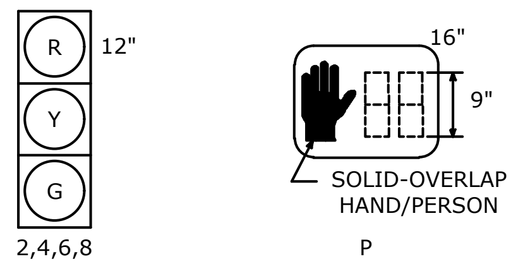
	NTOR		PHASE 1			PHASE 2 - PRE-EMPT 1			PHASE 3			PHASE 4 - PRE-EMPT 2			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9		
																													
		FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #	2	Y				G	Y	R				R	R	R													R	R	R
	4	Y				R	R	R				G	Y	R													R	R	R
	6	R				G	Y	R				R	R	R													R	R	R
	8	R				R	R	R				G	Y	R													R	R	R
	P	OFF				←	DW	→				←	DW	→													WØ	← DW	→
							← YIELD PT.																						
																											WØ DW		
	MIN					15	3	1				5	3	1													4 7	4	0
	MAX					60	5	3				30	5	3													7 30	4	0
INTERVALS	MIN GRN					15						5																	
	WALK																										7 ①	ACCESSIBLE PEDESTRIAN SIGNAL	
	PED CLR																										7 ②		
	VEH EXT					1						1																	
	MAX 1					60						30																	
	MAX 2					60						30																	
	YELLOW						4						4															4	
	RED							2						2															0
	ADD INIT																											COUNTDOWN PEDESTRIAN SIGNAL	
	MAX INIT																												
	TBR																												
	TTR																												
	MIN GAP																												
MODE			OFF			MIN RECALL			OFF			NON-LOCK			OFF			OFF			OFF			OFF			NON-LOCK		
INT START						THIS PHASE																							

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY	REV # TIR # SM # N/A
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 3 PEDESTRIAN CHANGE INTERVAL.	OSTA #
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.	
② COUNTDOWN ONLY DURING PEDESTRIAN CHANGE INTERVAL.	

DETECTORS			
I.D.	SIZE (WXL)	TURNS	MODE
D2	6' X 40'	VIDEO-360	PRESENCE
D2A	6' X 40'	VIDEO-360	PRESENCE
D4	6' X 40'	VIDEO-360	PRESENCE
D4A	6' X 40'	VIDEO-360	PRESENCE

SYSTEM LOC		COORDINATION TYPE: CENTRAL SYSTEM					
MASTER		PROGRAM			CYCLE	OFFSET	
		FUNCTION	TIME	DAYS		SEC	%
		FLASH	NONE				
		MAX 1	ALL OTHER TIMES	DAILY			
		MAX 2	FUTURE				

SIGNAL FACES



ALL SIGNAL INDICATIONS TO HAVE LED LAMPS.
ALL VEHICULAR SIGNAL FACES TO HAVE BACKPLATES
WITH YELLOW RETROREFLECTIVE BORDERS.

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	11	11
HOLD GREEN	15	15
HOLD YELLOW	4.0	4.0
HOLD RED	2.0	2.0
HOLD PHASE	2	2
EXIT PHASE	4	4
EXIT CALL	NONE	NONE

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS NEW, 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 AND A MINIMUM 18" FROM THE FACE OF THE CURB. 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.

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

ALL CCTV CAMERAS ARE NEW. CCTV CAMERAS TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS. WORK TO BE PAID FOR UNDER ITEM NO. 1112214A - IP VIDEO CAMERA ASSEMBLY.

CONTRACTOR TO VERIFY MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.

(J) INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND TWO-WAY PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 400+75, 25' LT.

(K) INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 300+67, 24' LT.

(L) INSTALL MAST ARM FOUNDATION (MAST ARM ASSEMBLY A) AT 300+60, 17' LT

(M) INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 401+46, 16' LT.

(N) INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 401+48, 16' RT.

(P) INSTALL MAST ARM FOUNDATION (MAST ARM ASSEMBLY B) WITH APS AND PEDESTRIAN COUNTDOWN SIGNAL AT 301+25, 35' LT.

(Q) INSTALL TRAFFIC CONTROLLER CABINET AT 301+42, 16' RT. CABINET TO OPEN STREET SIDE. CENTER OF CABINET IS AT LOCATION:
NORTHING: 990494.2597
EASTING: 799947.3258

(R) INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 301+33, 18' RT.

(U) INSTALL MAST ARM FOUNDATION (MAST ARM ASSEMBLY C) WITH APS AND PEDESTRIAN COUNTDOWN SIGNAL AT 400+70, 20' RT.

(W) INSTALL 30" X 30" HANDHOLE. ALL HANDHOLES SHALL BE TYPE I UNLESS OTHERWISE NOTED

(X) INSTALL CAST IRON HANDHOLE COVER.

(Y) VIDEO DETECTION BY USE OF VIDEO-360 CAMERA ON MAST ARM ASSEMBLY C.

(Z) INSTALL MAST ARM FOUNDATION (MAST ARM ASSEMBLY D) AT 400+60 17' LT.

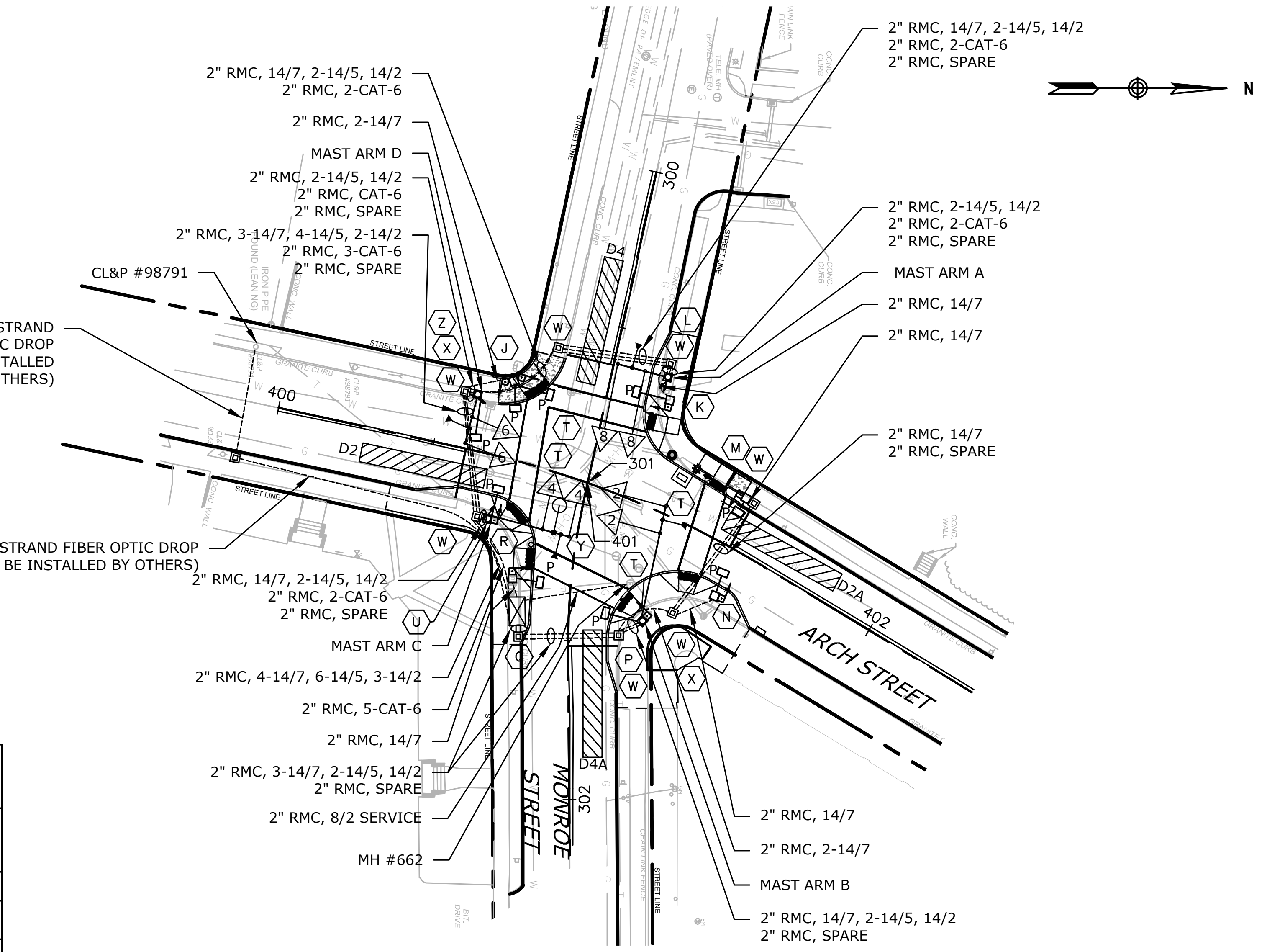
PRE-EMPTION AUDIO DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE AUXILIARY EQUIPMENT CABINET.

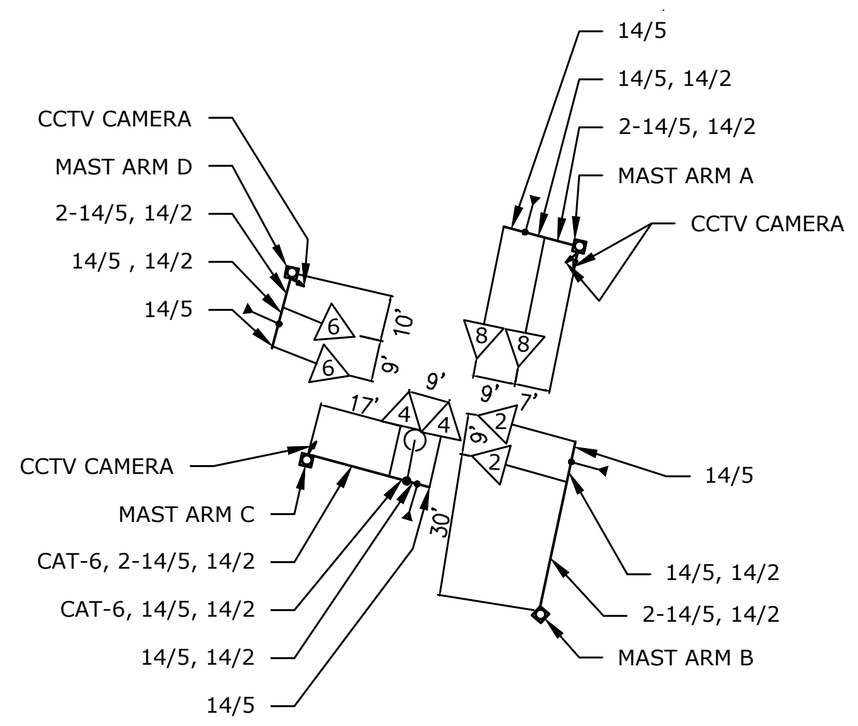
NOTES

(T) THERMOPLASTIC CROSSWALK. CITY MAINTAINED.

(W) 30" X 30" HANDHOLE. ALL HANDHOLES SHALL BE TYPE I UNLESS OTHERWISE NOTED.

CITY TO MAINTAIN ALL PAVEMENT MARKINGS AND STOP BARS ALONG ARCH STREET, AND MONROE STREET.

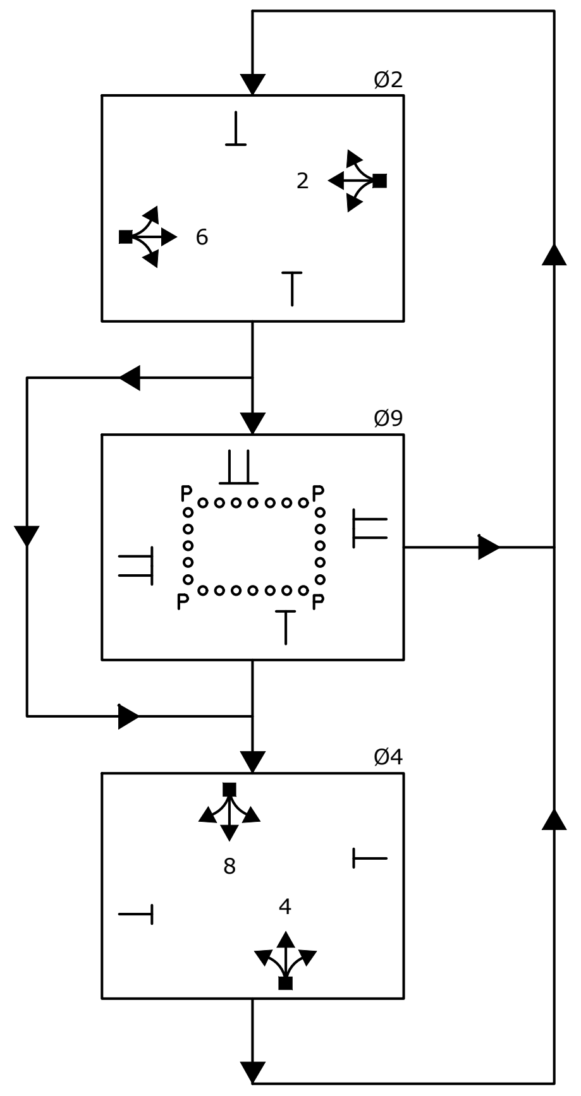




MAST ARM ELECTRICAL DETAIL

1" = 40'

SIGNAL PHASING DIAGRAM



MAST ARM INFORMATION			
I.D.	SHAFT LENGTH	ARM LENGTH	VERTICAL RISER FOR 360 CAMERA
A	17.5'	15'	N/A
B	17.5'	35'	N/A
C	17.5'	25'	10'
D	18'	15'	N/A

ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.

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
◁—	CCTV CAMERA
■—✷	EXISTING LIGHT POLE WITH ARM
□—✷	PROPOSED LIGHT POLE WITH ARM
⋁	SIDEWALK RAMP
◆	CABLE CLOSURE
—<	GUY WIRE
▣	PROPOSED HANDHOLE
■	EXISTING HANDHOLE

DATE PLOTTED : Jan 23, 2025 TTCS230194401-01.dwg

CITY OF NEW BRITAIN

CITY SIGNAL

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	BL Companies Architecture Engineering Environmental Land Surveying		100 Constitution Plaza Hartford, CT 06103 Tel: (860) 249-2200 Fax: (860) 249-2400	
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

INTERSECTION # 088-213

ENERGY BY - CITY	METER # - N/A
MAINT LEVEL - CITY	SERVICE - EVERSOURCE HP 662
	UNMETERED SERVICE

ARCH STREET AT MONROE STREET

SCALE 1" = 40'

TOWN:
NEW BRITAIN

DRAWING TITLE:
TRAFFIC CONTROL
SIGNAL PLAN

PROJECT NO.
2301944

DRAWING NO.
TCS-01

SHEET NO.

MOVEMENT DIAGRAM

NTOR		PHASE 1			PHASE 2 - PRE-EMPT 1			PHASE 3			PHASE 4 - PRE-EMPT 2			PHASE 5			PHASE 6 - PRE-EMPT 1			PHASE 7			PHASE 8 - PRE-EMPT 2			PHASE 9		
					2						4						6						8					
FACE #	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	R	R	R	G	Y	R				R	R	R				R	R	R			
6	R				R	R	R	R	R	R	R	R	R				G	Y	R				R	R	R			
8	R				R	R	R	R	R	R	R	R	R				R	R	R				G	Y	R			
P	OFF				←	DW	→	WØ	←		DW		→				←	DW	→				←	DW	→			
						← YIELD PT.												← YIELD PT.										
MIN					7	3	1	4 7	4	0	5	3	1				7	3	1				5	3	1			
MAX					60	5	3	7 30	4	0	50	5	3				60	5	3				50	5	3			

INTERVALS	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PHASE 9
MIN GRN		9		9		9		9	
WALK			7 ①						
PED CLR			7 ②						
VEH EXT		1	ACCESSIBLE PEDESTRIAN SIGNAL	1		1		1	
MAX 1		26		20		26		20	
MAX 2		26		20		26		20	
YELLOW		3	4	3		3		3	
RED		2	0	1		2		1	
ADD INIT									
MAX INIT									
TBR									
TTR									
MIN GAP									
MODE	OFF	MIN RECALL	NON-LOCK	NON-LOCK	OFF	MIN RECALL	OFF	NON-LOCK	OFF
INT START		THIS PHASE				THIS PHASE			

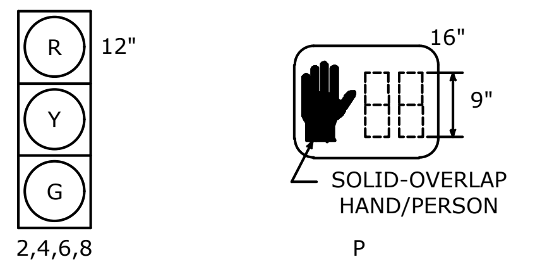
DETECTORS			
I.D.	SIZE (WXL)	TURNS	MODE
D2	6' X 40'	VIDEO-360	PRESENCE
D4	6' X 40'	VIDEO-360	PRESENCE
D6	6' X 40'	VIDEO-360	PRESENCE
D8	6' X 40'	VIDEO-360	PRESENCE

COORDINATION TYPE: CENTRAL SYSTEM

SYSTEM LOC		PROGRAM			CYCLE	OFFSET	
MASTER		FUNCTION	TIME	DAYS		SEC	%
		FLASH	NONE				
		MAX 1	ALL OTHER TIMES	DAILY			
		MAX 2	FUTURE				

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY	REV # TIR # SM # N/A
①PERCUSSIVE TONE ONLY DURING WALK INTERVAL.	OSTA #
②COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	

SIGNAL FACES



ALL SIGNAL INDICATIONS TO HAVE LED LAMPS.
ALL VEHICULAR SIGNAL FACES TO HAVE BACKPLATES
WITH YELLOW RETROREFLECTIVE BORDERS.

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	11	11
HOLD GREEN	15	15
HOLD YELLOW	3.0	3.0
HOLD RED	2.0	1.0
HOLD PHASE	2+6	4+8
EXIT PHASE	4,8	2,6
EXIT CALL	NONE	NONE

CONSTRUCTION NOTES

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.

ALL PEDESTRIAN PUSH BUTTONS TO BE "ACCESSIBLE SIGNAL AND DETECTOR (TYPE A)". INSTALL SIGN NO. 31-0856 WITH APPROPRIATE ARROW AT PEDESTRIAN PUSH BUTTON LOCATIONS.

K INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 101+42, 20' LT.

L INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE MAST ARM. WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

M INSTALL APS AND COUNTDOWN SIGNAL ON EXISTING MAST ARM.

N INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 101+49, 21' RT.

P INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 601+47, 26' LT.

Q INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 100+66, 25' LT.

R INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 600+64, 23' RT.

U INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 601+41, 21' RT.

V INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, APS, AND PEDESTRIAN COUNTDOWN SIGNAL ADJACENT TO LANDING AREA AT 101+61, 12' RT.

X INSTALL CAST IRON HANDHOLE COVER.

REVISE PHASE 3 TIMINGS AS SHOWN.

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

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

MODIFY EXISTING CONTROLLER TO ACCOMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING TO THE CITY.

PAINT EXISTING MAST ARMS BLACK PER SPECIAL PROVISIONS. SEE ITEM 0603661A - PAINT GALVANIZED EXISTING MAST ARM.

SIGN LEGEND

Ⓐ EXISTING 31-0816 SPAN MTD. (NO TURN ON RED)

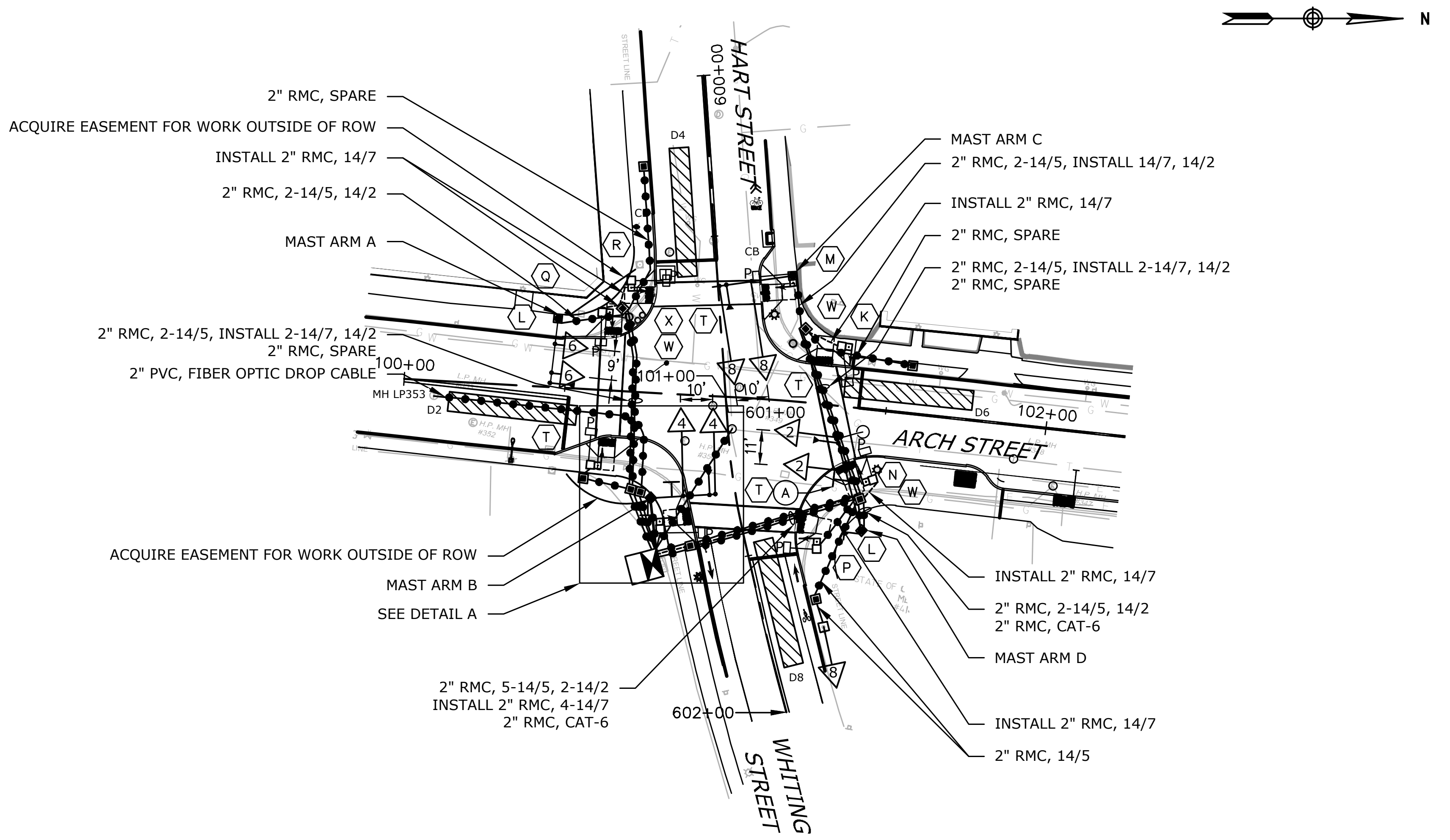
Ⓑ EXISTING 51-2010 (Whiting St)

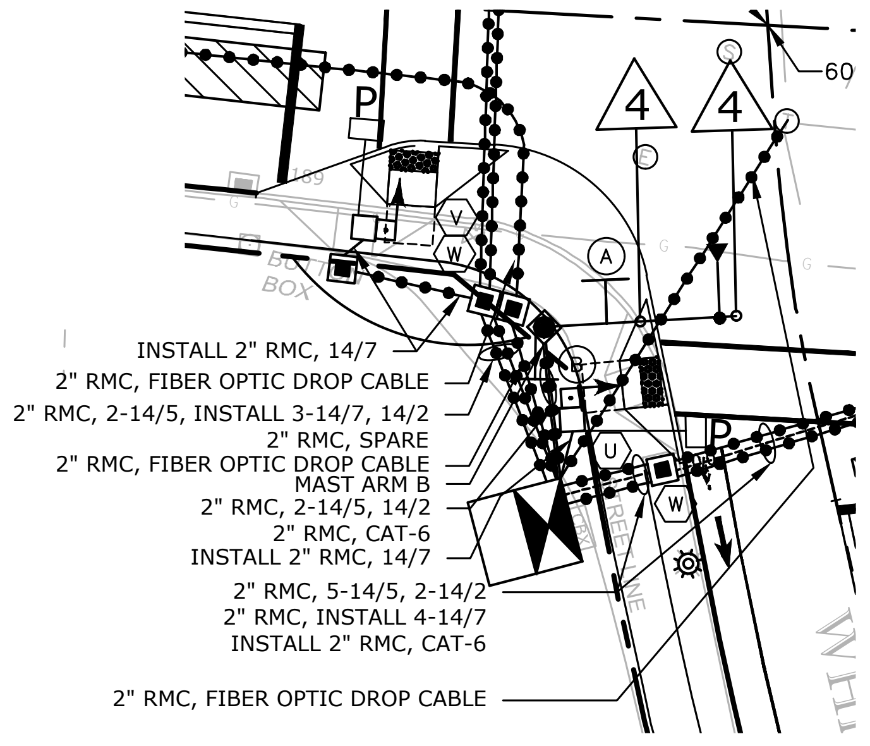
NOTES

T THERMOPLASTIC CROSSWALK. CITY MAINTAINED.

CITY TO MAINTAIN ALL PAVEMENT MARKINGS AND STOP BARS ALONG ARCH STREET, HART STREET, AND WHITING STREET.

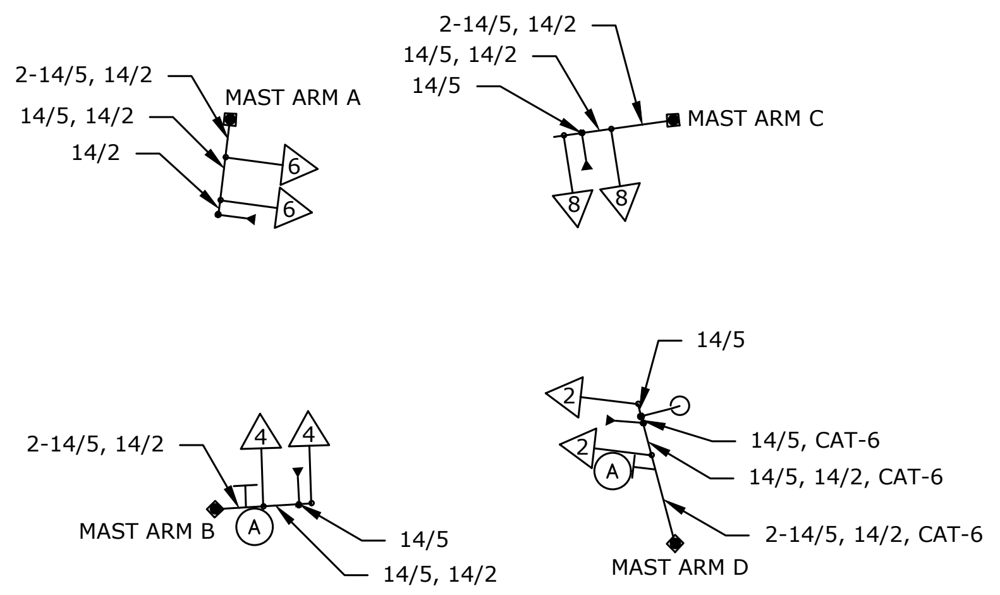
W 30" x 30" CONCRETE HANDHOLE. ALL OTHERS TYPE II.





DETAIL A

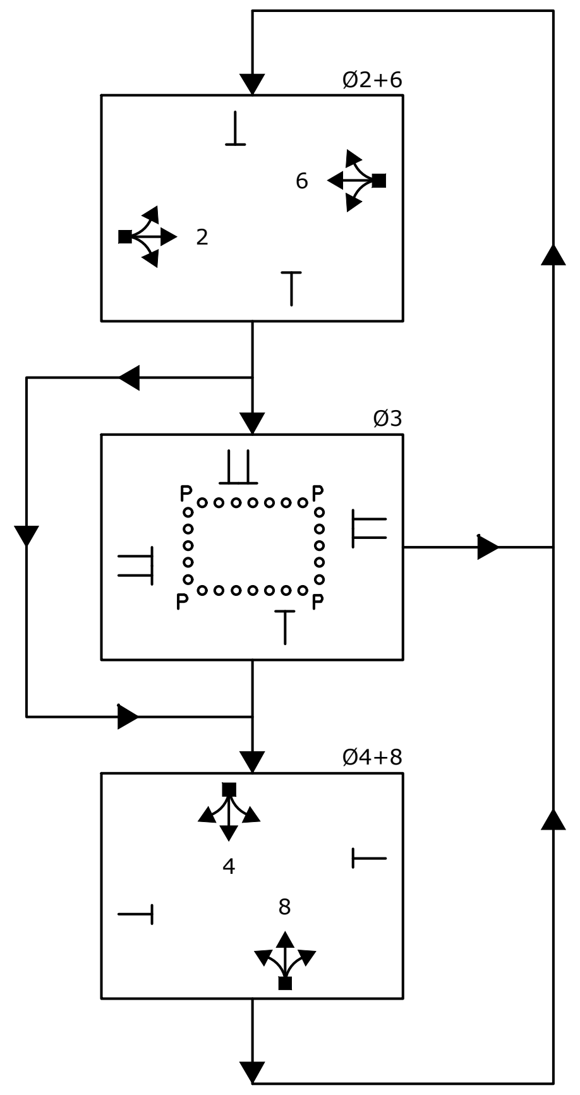
1" = 20'



MAST ARM ELECTRICAL DETAILS

1" = 40'

SIGNAL PHASING DIAGRAM



SPAN POLE/ MAST ARM INFORMATION			
I.D.	SHAFT LENGTH	ARM LENGTH	VERTICAL RISER FOR 360 CAMERA
A	21.5'	20'	N/A
B	21.5'	20'	N/A
C	21.5'	25'	N/A
D	21.5'	30'	3'

ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.

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 : Jan 23, 2025 TTCS230194401-02.dwg

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 # 088-214

ENERGY BY - CITY	METER # - N/A
MAINT LEVEL - CITY	SERVICE - UNDERGROUND
	UNMETERED SERVICE

CITY OF NEW BRITAIN

ARCH STREET AT HART STREET
AND WHITING STREET

SCALE 1" = 40'

TOWN:
NEW BRITAIN

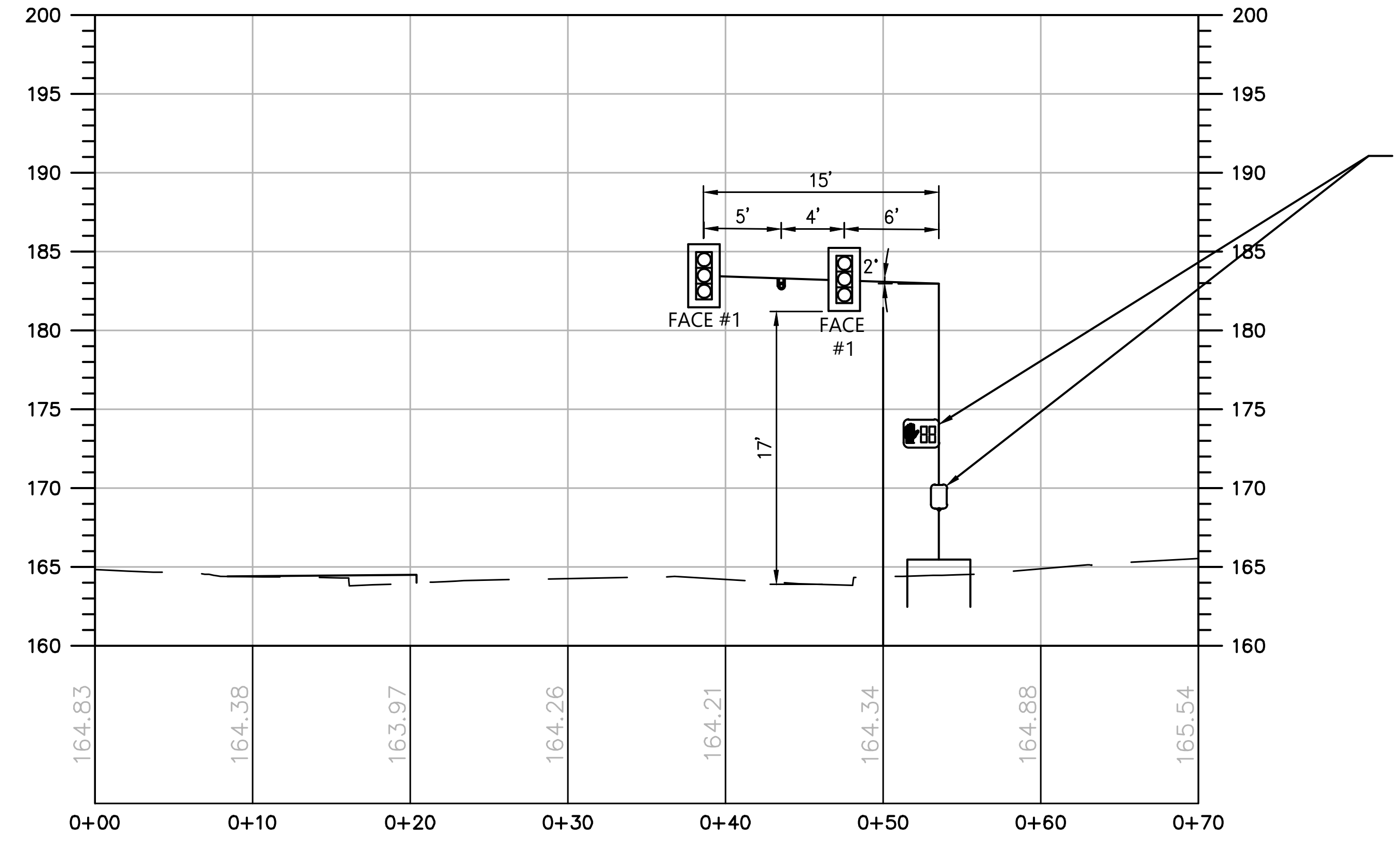
DRAWING TITLE:
TRAFFIC CONTROL
SIGNAL PLAN

PROJECT NO.
2301944

DRAWING NO.
TCS-02

SHEET NO.

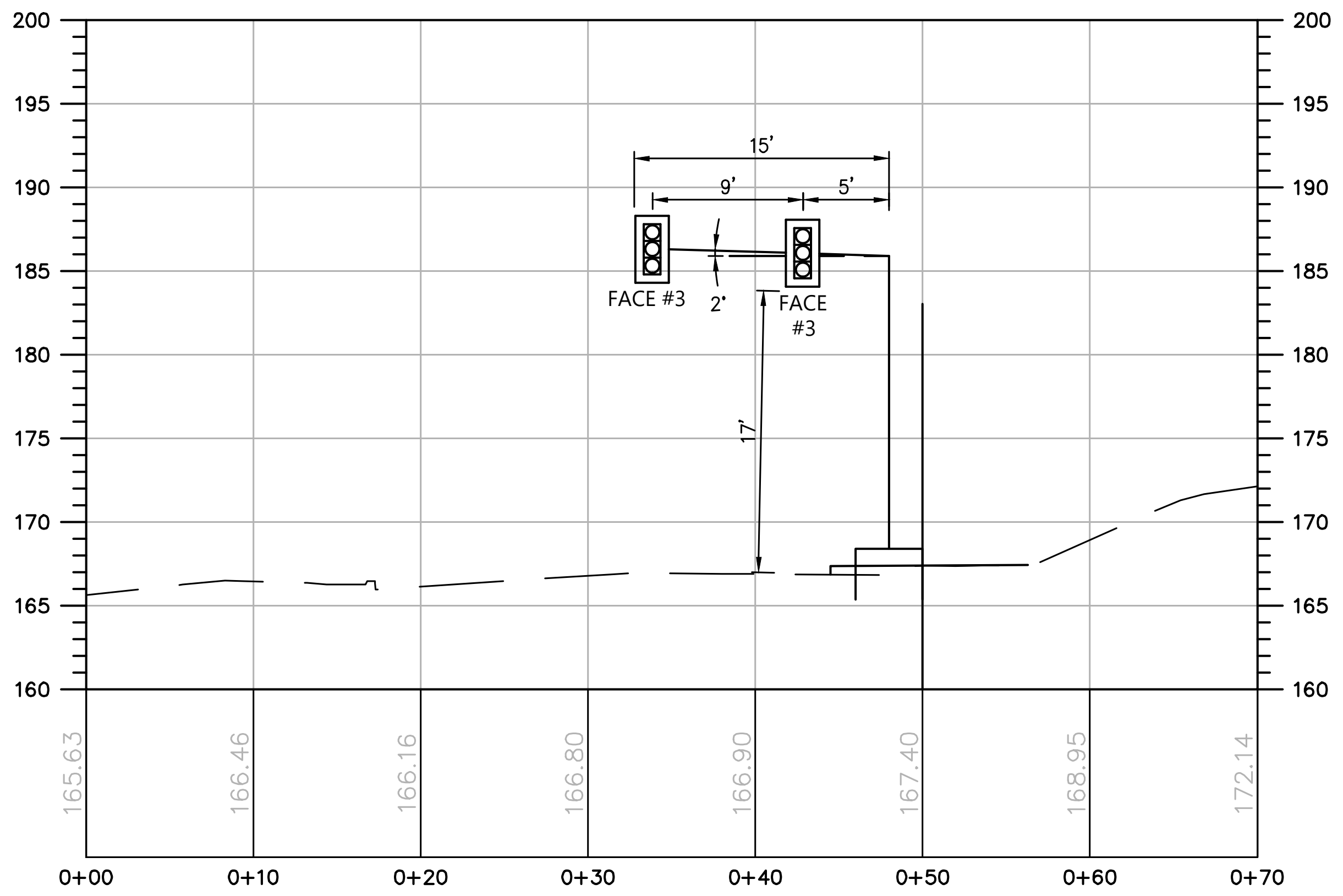
MAST ARM 088-213-D PROFILE VIEW



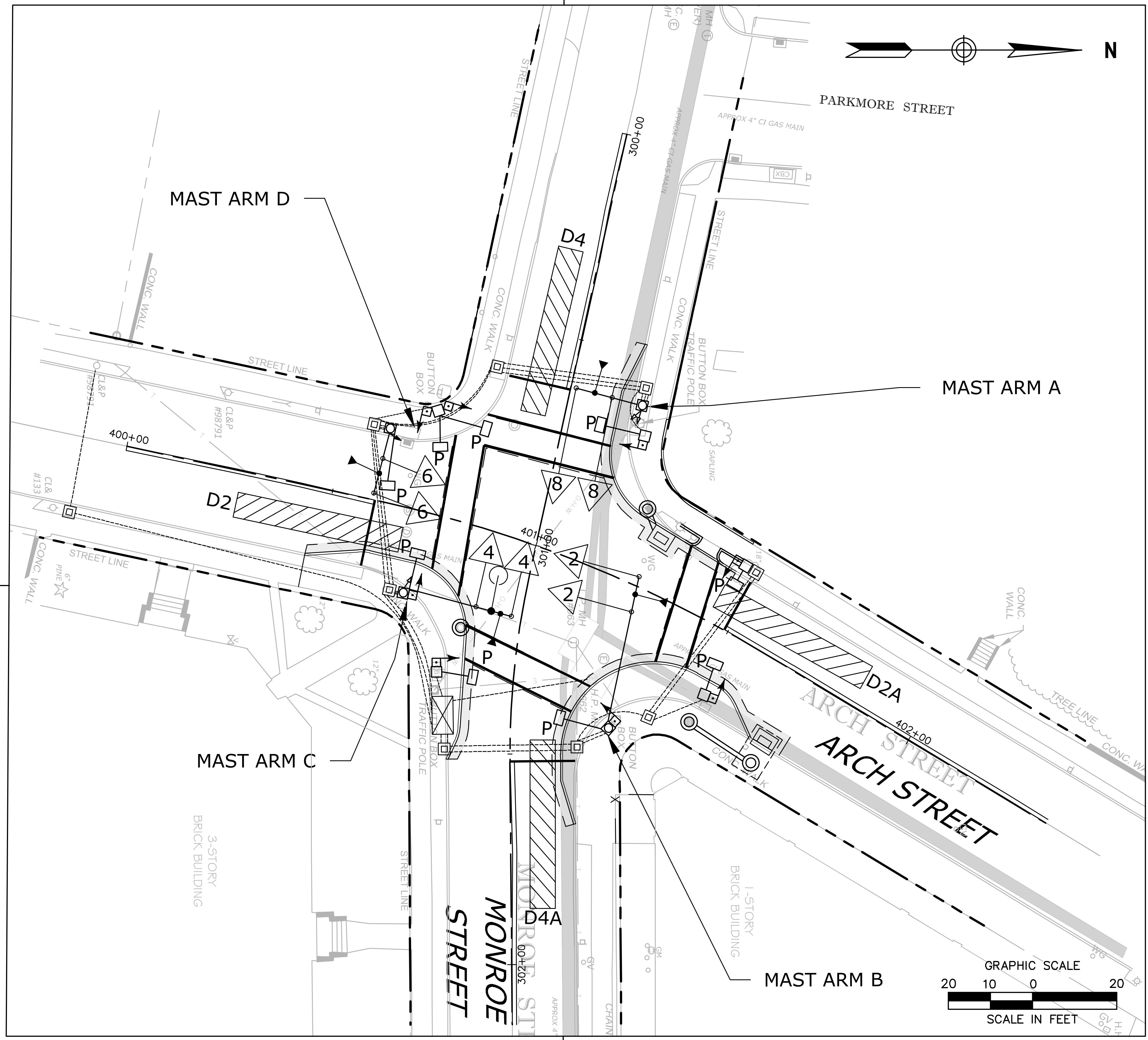
FOR ILLUSTRATION PURPOSES ONLY.
REFER TO CTDOT STANDARD SHEETS
FOR PROPER MOUNTING HEIGHTS.

GRAPHIC SCALE
10 5 0 10
SCALE IN FEET

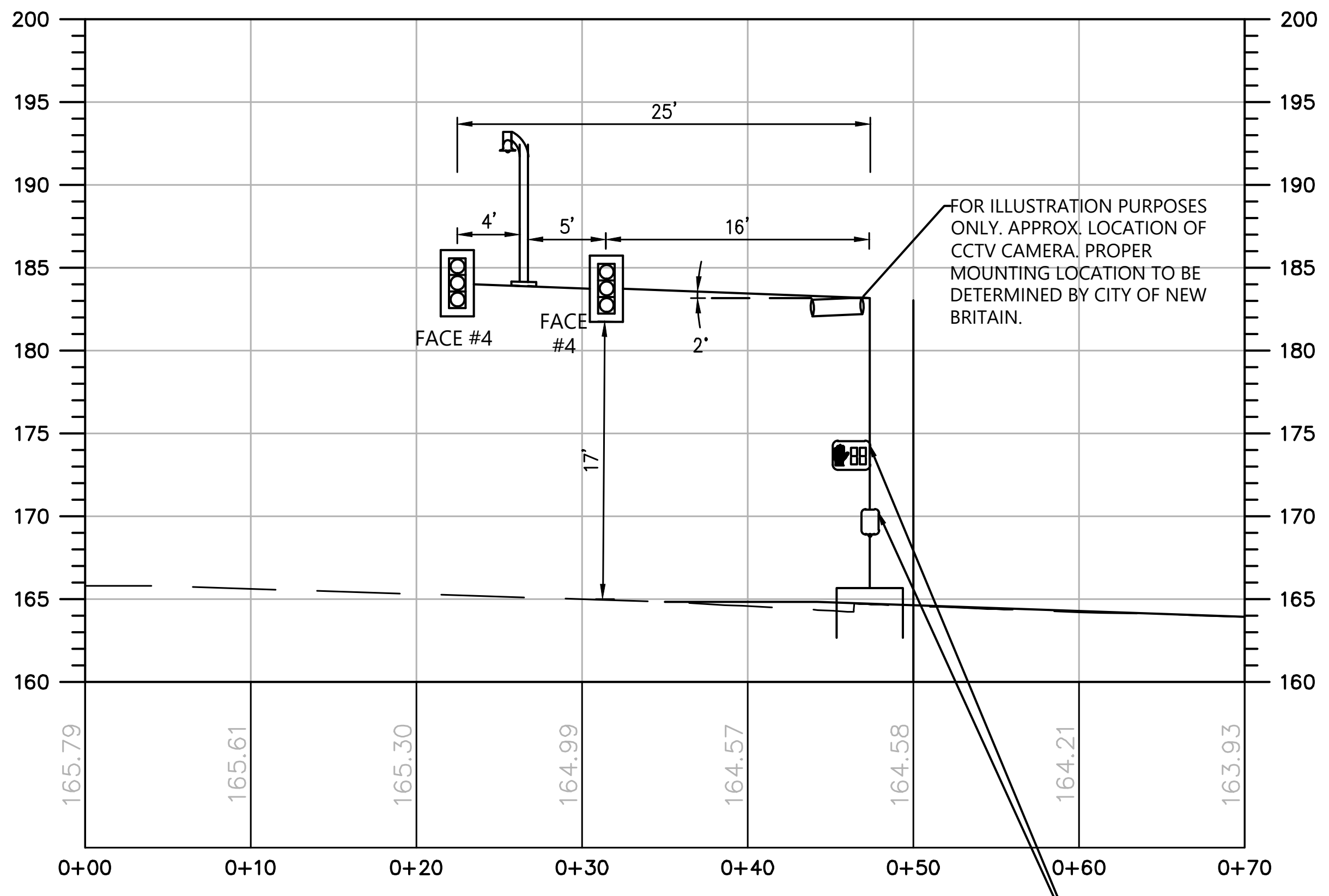
MAST ARM 088-213-A PROFILE VIEW



GRAPHIC SCALE
10 5 0 10
SCALE IN FEET



MAST ARM 088-213-C PROFILE VIEW

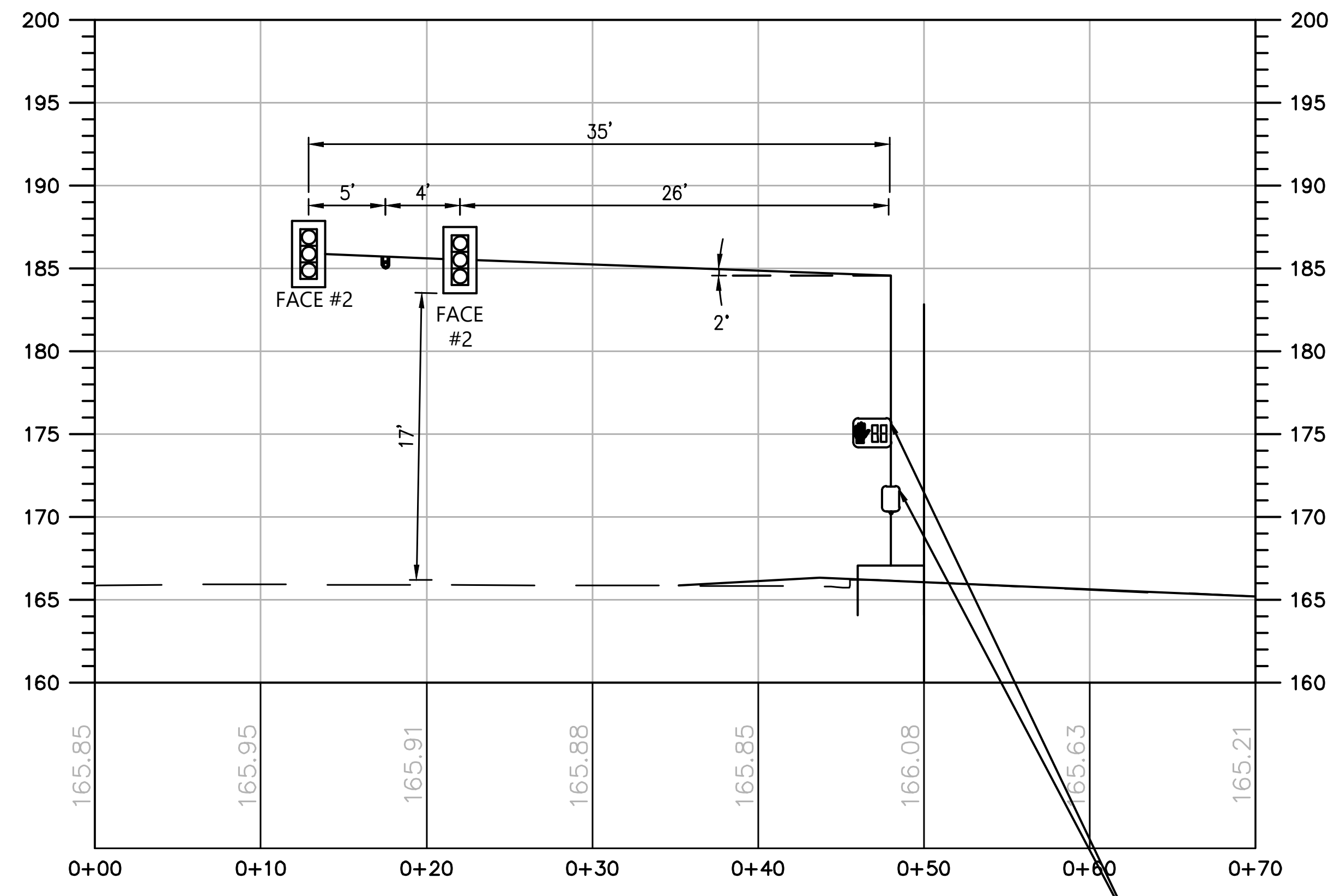


FOR ILLUSTRATION PURPOSES ONLY. APPROX. LOCATION OF CCTV CAMERA. PROPER MOUNTING LOCATION TO BE DETERMINED BY CITY OF NEW BRITAIN.

GRAPHIC SCALE
10 5 0 10
SCALE IN FEET

FOR ILLUSTRATION PURPOSES ONLY.
REFER TO CTDOT STANDARD SHEETS
FOR PROPER MOUNTING HEIGHTS.

MAST ARM 088-213-B PROFILE VIEW



FOR ILLUSTRATION PURPOSES ONLY.
REFER TO CTDOT STANDARD SHEETS
FOR PROPER MOUNTING HEIGHTS.

GRAPHIC SCALE
10 5 0 10
SCALE IN FEET

MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARMS INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.

NOTES

SEE TCS-01 FOR ADDITIONAL INFORMATION.
MAST ARM PROFILE IS PARALLEL TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- EMERGENCY AUDIO PRE-EMPTION DETECTOR
- 360° VIDEO DETECTOR WITH RISER
- PEDESTRIAN SIGNAL EQUIPMENT
- CCTV CAMERA

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 : Jan 22, 2025 TTCS230194401-01-XCS.dwg

CITY OF NEW BRITAIN

ARCH STREET AT MONROE STREET

SCALE 1" = 40'

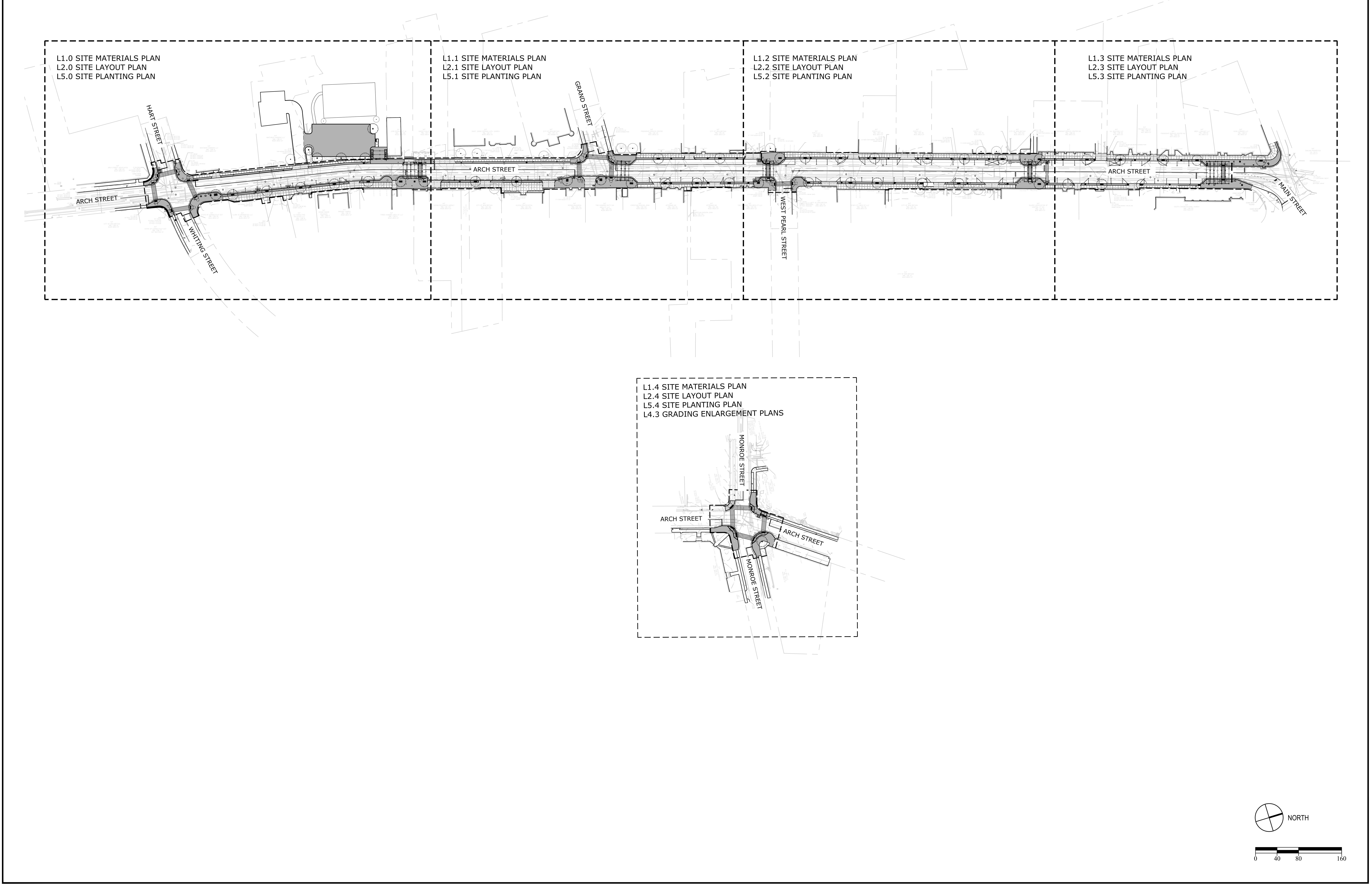
TOWN:
NEW BRITAIN

DRAWING TITLE:
MAST ARM PROFILE

PROJECT NO.
2301944

DRAWING NO.
TCS-03

SHEET NO.



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

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed
Drawn AB
Reviewed BK
Scale AS SHOWN
Project No. 2301944
Date 01/24/25
CAD File:
OVERALL SITE PLAN AND NOTES-2024001_ARCH STREET

Title
OVERALL SITE PLAN

Sheet No.
L0.0

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\OVERALL SITE PLAN AND NOTES-2024001_ARCH STREET.DWG.L0.0.

APPROVALS AND REFERENCE

1. NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE UNTIL THE HEREIN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN REVIEWED AND CERTIFIED BY THE CITY OF NEW BRITIAN OR ITS DESIGNATED AGENT.
2. ADDITIONAL STATE AND FEDERAL PERMITS MAY BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL VERIFY WITH THE CITY THAT ALL PERMITS HAVE BEEN RECEIVED.
3. THE FOLLOWING STANDARDS OF CARE ARE INCLUDED BY REFERENCE:
    - 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND IT'S ERRATA SHEET
    - 2024 CONNECTICUT STORMWATER QUALITY MANUAL
    - GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES AS ADMINISTERED BY THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
4. THE MOST RECENTLY ADOPTED VERSION(S) OF THE FOLLOWING GOVERNING CODES SHALL APPLY:
    - UNIFORM FEDERAL ACCESSIBILITY STANDARDS - AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN
    - PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE TO CONTROL INVASIVE PLANT SPECIES REGROWN THROUGH CONSTRUCTION. AT PROJECT CLOSEOUT THIS INVASIVE MANAGEMENT BECOMES THE RESPONSIBILITY OF THE OWNER. CONTROL METHODS SHALL BE DISCUSSED WITH AND UNDER DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT PRIOR TO TREATMENT.
2. 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.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE CONSTRUCTION PERMITS, PRIOR TO CONSTRUCTION, FROM THE CITY OF NEW BRITIAN 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.
4. 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.
5. CONTRACTOR SHALL HYDROSEED ALL AREAS DISTURBED BY THIS CONTRACT FOR WHICH NO OTHER SURFACE RESTORATION IS INDICATED BY THE CONTRACT DOCUMENTS.
6. ALL UPLAND AREAS OF PROPOSED FILL SHALL BE FINISH GRADED WITH 4" 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.
7. NO STUMPS, VEGETATIVE MATTER, CONSTRUCTION DEBRIS, OR OTHER MAN-MADE OBJECTS ARE PERMITTED TO BE BURIED ON SITE.
8. ALL FILL SHALL BE PLACED IN SIX INCH (6") LIFTS AND MECHANICALLY COMPACTED. FILL UNDER HARDSCAPE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180(D). QUALITY AND METHOD OF PLACEMENT SHALL CONFORM TO D.O.T. FORM 818 OR THE MOST CURRENT VERSION AS AMENDED . SPECIAL CARE SHALL BE TAKEN FOR FILL AREAS WITH LARGE ROCK. COMPACTION IN ROCK FILL SHALL MEET THE 95% MAXIMUM DENSITY AND A RECORD OF THE RESULT SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
9. 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.
10. 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.
11. 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 819 OR THE MOST CURRENT VERSION AS AMENDED, AND THE CITY OF NEW BRITIAN DRAINAGE STANDARDS SHALL BE APPLICABLE.
12. 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.
13. 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.
14. 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.
15. NOTIFY LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO ANY ACTIVITY REQUIRING FIELD OBSERVATION
16. 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.
17. 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.
18. ALL MATERIALS USED ON THE PROJECT SHALL BE IN CONFORMANCE TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION FORM 819 OR THE MOST CURRENT EDITION OR AS SPECIFIED.

PEDESTRIAN CONTROL

1. WHEN IT IS UNSAFE FOR THE PUBLIC TO USE THIS WALKWAY OR WHEN STREETSCAPE WORK IS BEING PERFORMED, TEMPORARY PEDESTRIAN DETOUR SIGNAGE AND BARRIERS SHALL BE PROVIDED BY THE CONTRACTOR.

CONSTRUCTION WITHIN TREE PROTECTION AREAS:

1. TREE PROTECTION AREA: THE LAND AREA DIRECTLY UNDER THE TREE CANOPY AS MEASURED FROM THE TRUNK TO THE OUTER MOST LEAVES OF THE CANOPY OR DRIP LINE. SOIL COMPACTION AND, PHYSICAL OR CHEMICAL DAMAGE TO ROOTS WITHIN THIS AREA CAN BE DETRIMENTAL TO THE HEALTH OF THE TREE.
2. A NUMBER OF EXISTING TREES SHALL BE PRESERVED AND PROTECTED AS PART OF THIS PROJECT. MANY OF THESE TREES WILL BE IMPACTED WITH THE INSTALLATION OF NEW WALKWAYS, FOUNDATIONS AND UTILITIES. ALL CONSTRUCTION ACTIVITIES WITHIN THESE AREAS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT.
3. EXISTING ROOTS PROXIMATE TO PROPOSED AND EXISTING PAVING SHALL BE EXPOSED USING AN AIRSPADE OR BY HAND. IN AREAS WHERE ROOTS MUST BE REMOVED FOR CONSTRUCTION OF WALKS, FOUNDATIONS, WALLS, ETC, ROOTS SHALL BE SEVERED PRIOR TO EXCAVATION TO ELIMINATE UNNECESSARY TEARING OF ROOTS BY HEAVY EQUIPMENT.
4. TREE ROOTS SHALL NOT BE PRUNED OR CUT UNLESS THEIR REMOVAL IS UNAVOIDABLE OR ABSOLUTELY NECESSARY. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO ANY OPERATION KNOWN OR SUSPECTED TO INVOLVE CUTTING OF MORE THAN:
    a. TWO ROOTS, THREE (3) INCHES OR MORE IN DIAMETER; AND/OR
    b. FOUR ROOTS BETWEEN TWO (2) AND THREE (3) INCHES IN DIAMETER. THE ARBORIST SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT THAT ROOTS IN EXCESS OF THAT DESCRIBED ABOVE ARE CUT, TORN, RIPPED, OR OTHERWISE INJURED.
4. WHEN EXCAVATING FOR CONSTRUCTION OF INLETS, WALLS, FOUNDATIONS,ETC. EXCAVATED SOIL SHALL BE DEPOSITED IN TRUCKS AND HAULED OFF OR DEPOSITED TEMPORARILY ON 3/4-INCH THICK PLYWOOD. EXCAVATED AND FILL SOIL SHALL NOT BE DEPOSITED, EVEN TEMPORARILY, ON UNPROTECTED NATURAL GRADE. EXCAVATED FILL SOIL SHALL BE RETURNED AS BACKFILL WHERE POSSIBLE.
5. ALL TRENCHING OR OTHER WORK UNDER THE DRIPLINE OF ANY TREE SHALL BE DONE BY HAND OR BY OTHER METHODS, WHICH WILL PREVENT BREAKAGE OR OTHER INJURY TO BRANCHES AND ROOTS.
6. LIMIT GRADING TO A MAXIMUM OF TWO (2) INCHES OF FILL OVER NATURAL GRADE WITHIN CRITICAL ROOT ZONES. FILL SHOULD CONSIST OF SANDY LOAM TOPSOIL. CLAY SOILS SHALL NOT BE USED AS FILL. WHEN USING FILL SOIL, THE EXISTING SURFACE TO RECEIVE FILL SHOULD BE SCARIFIED PRIOR TO FILLING. ANY FILLING OPERATION SHOULD NOT OCCUR DURING WATER SATURATED SOIL CONDITIONS.

ENVIRONMENTAL BMP & PROTECTION:

1. NO CONSTRUCTION SHALL PROCEED UNTIL PROPER SEDIMENTATION AND EROSION CONTROL METHODS HAVE BEEN INSTALLED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES.
2. NO EQUIPMENT, MATERIALS OR MACHINERY SHALL BE STORED, CLEANED OR REPAIRED WITHIN SEVENTY-FIVE (75) FEET OF ANY WETLAND OR WATERCOURSE.
3. NO OBJECTIONABLE MATERIALS RESULTING FROM ANY CLEARING ACTIVITY SHALL BE DISPOSED OF IN ANY WETLAND OR WATERCOURSE. THIS INCLUDES, BUT IS NOT LIMITED TO, STUMPS, TREE ROOTS, MATTED ROOTS, WOOD CHIPS AND OTHER DEBRIS.
4. NO SOIL FILL OR OTHER MATERIALS SHALL BE DEPOSITED IN SURROUNDING WETLANDS OR WATERCOURSES EXCEPT AS OTHERWISE APPROVED BY THE CITY OF NEW BRITAIN CONSERVATION COMMISSION AND DEPICTED HEREON.
5. WHERE DEWATERING IS NECESSARY, THE PUMP SHALL NOT DISCHARGE DIRECTLY INTO ANY WETLAND OR WATERCOURSE. PROPER METHODS AND DEVICES SHALL BE UTILIZED, SUCH AS PUMPING THE WATER INTO A TEMPORARY SEDIMENTATION POOL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF THE PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED.
6. ALL TEMPORARY FILL, STORAGE OR STOCKPILE AREAS SHALL BE PROPERLY STABILIZED TO PREVENT EROSION AND SUITABLY CONTAINED TO PREVENT TURBID RUNOFF FROM REENTERING A WETLAND OR WATERCOURSE. ALL AREAS AFFECTED BY TEMPORARY FILLS MUST BE RESTORED TO THEIR ORIGINAL CONTOURS, AND RE-VEGETATED WITH SUITABLE VEGETATION. THE USE OF TEMPORARY FILL AND/OR EXCAVATION SHALL BE MINIMIZED TO ONLY THAT AREA REQUIRED TO PERFORM THE WORK.
7. DUMPING OF OIL OR OTHER DELETERIOUS MATERIALS ON THE GROUND IS FORBIDDEN. THE CONTRACTOR SHALL PROVIDE A MEANS OF CATCHING, RETAINING AND PROPERLY DISPOSING OF DRAINED OIL, REMOVED OIL FILTERS, OR OTHER DELETERIOUS MATERIAL FROM EQUIPMENT USED ON SITE. VEHICLE MAINTENANCE EXCEPT DAILY AND PERIODIC PROCEDURES SHALL BE COMPLETED OFF SITE. ALL OIL SPILLS SHALL BE IMMEDIATELY REPORTED TO THE CT DEPARTMENT OF ENVIRONMENTAL PROTECTION/HAZARDOUS MATERIALS OFFICE. FAILURE TO DO SO MAY RESULT IN THE IMPOSITION OF FINES UNDER THE APPLICABLE CONNECTICUT GENERAL STATUTES.
8. EVERY PRECAUTION SHALL BE USED WHILE WORKING NEAR A WATERWAY TO PREVENT AND MINIMIZE THE DEGRADATION OF THE EXISTING WATER QUALITY. ALL ACTIVITIES SHALL BE IN CONFORMANCE TO AND CONSISTENT WITH ALL APPLICABLE WATER QUALITY STANDARDS AND MANAGEMENT PRACTICES AS SET FORTH BY LOCAL, STATE AND FEDERAL AGENCIES.
9. DURING THE PERIOD OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES. SAID MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINSTORM AND DURING A MAJOR STORM EVENT. ACCUMULATED DEPOSITS OF SEDIMENT AND SILT SHALL BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE EROSION AND SEDIMENT CONTROL BARRIERS, AND UPON ESTABLISHMENT OF PERMANENT SEEDING AND MULCHING. SUCH MATERIALS REMOVED SHALL BE SPREAD AND STABILIZED IN NON-WETLAND AREAS WHICH ARE NOT SUBJECT TO EROSION, OR WHICH ARE NOT TO BE PAVED OR BUILT UPON.
10. HAY BALES, SILT FENCING AND OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED, CLEANED AND/OR REPLACED AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD IN ORDER TO MAINTAIN COMPLETE AND INTEGRAL EROSION AND SEDIMENT CONTROL PROTECTION. ONCE IN PLACE ALL EROSION AND SEDIMENT CONTROL FACILITIES AND MEASURES ARE TO REMAIN IN PLACE AND IN PROPER CONDITION AND BE CONTINUOUSLY MAINTAINED UNTIL FINAL GRADING HAS BEEN COMPLETED, ALL DISTURBED AREAS UPGRADIENT OF SAID FACILITIES HAVE BEEN PERMANENTLY STABILIZED AND ALL NEWLY GRASSED AREAS HAVE HAD AT LEAST TWO MOWINGS. FOLLOWING SUCH PERMANENT STABILIZATION, THE FACILITIES SHALL BE DISMANTLED, REMOVED, AND DISPOSED OF IN AN APPROVED MANNER. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES BEYOND THOSE SHOWN ON THE PLANS OR PRESCRIBED HEREIN SHALL BE PUT IN PLACE, WHENEVER NECESSARY, TO ADDRESS FIELD CONDITIONS AND/OR AS ORDERED BY THE TOWN.
11. DISTURBANCE OF THE LAND SHALL BE LIMITED TO THE MINIMUM EXTENT NECESSARY TO COMPLETE THE PROPOSED DEVELOPMENT. ALL EXISTING TREES AND SHRUBS SHALL BE CONSERVED WHERE POSSIBLE, EXCEPT THOSE WHOSE REMOVAL IS REQUIRED TO PERFORM THE PROPOSED WORK. THE LIMITS OF DISTURBANCE SHALL BE ESTABLISHED IN THE FIELD PRIOR TO STARTING ANY ACTUAL CONSTRUCTION ACTIVITIES AND SHALL BE GENERALLY AS DEPICTED BY THE GRADING/SITE DEVELOPMENT DRAWINGS.

EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT THE SITE IN ACCORDANCE WITH THE PROCEDURES AS OUTLINED IN THE "GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTE WATERS FROM CONSTRUCTION ACTIVITIES" AS ADOPTED BY THE DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION EFFECTIVE ON DECEMBER 31,2020.
2. THE CONTRACTOR SHALL INSPECT ALL DISTURBED AREAS OF CONSTRUCTION ACTIVITY THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN TEMPORARILY OR FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH FOR THREE CONSECUTIVE MONTHS.
3. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ASSESSABLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
4. A REPORT SHALL BE MADE SUMMARIZING THE SCOPE OF THE INSPECTION INCLUDING THE FOLLOWING: NAME AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER CONTROL PLAN, AND ACTIONS TAKEN. THE REPORT SHALL BE RETAINED AS PART OF THE STORMWATER CONTROL PLAN FOR AT LEAST THREE YEARS AFTER THE DATE OF INSPECTION AND SHALL BE SUBMITTED TO THE CITY.
5. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES BEYOND THOSE DEPICTED HEREIN SHALL BE PUT IN PLACE WHENEVER NECESSARY TO ADDRESS FIELD CONDITIONS AND/OR AS ORDERED BY THE CITY, OR THEIR AGENT.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN AND ENFORCING THE PRESCRIBED SAFEGUARDS DURING THE CONSTRUCTION PERIOD. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PROPER MUNICIPAL AGENCIES AND OFFICIALS OF ANY TRANSFER OF THIS RESPONSIBILITY.
7. EROSION CONTROL MATTING IS REQUIRED ON ALL SEEDED SLOPES GREATER THAN 1:6. SEE SPECIFICATIONS.
8. ALL EXISTING CATCH BASINS TO REMAIN MUST HAVE FILTER BAGS INSTALLED PRIOR TO MOBILIZATION.
9. HAY BALES OR SILT WADDLES MUST BE USED IN ALL AREAS WHERE SILT FENCE IS NOT FEASIBLE OR CANNOT BE INSTALLED DUE TO SUBSURFACE OBSTRUCTIONS.
10. ALL SOIL STOCKPILES MUST HAVE E&S CONTROLS INSTALLED ENTIRELY AROUND THE STOCKPILE TO PREVENT SEDIMENT FROM ESCAPING DURING RAIN EVENTS AND COVERED TO PREVENT EROSION BY WIND.
11. DURING PERIODS OF DROUGHT, EXPOSED SOILS NOT STABILIZED SHALL BE IRRIGATED TO PREVENT EROSION BY WIND.
12. THE CONTRACTOR MAY INCUR FINES IF E&S CONTROLS ARE INSPECTED BY THE TOWN OR STATE AND FOUND TO BE MISSING, DAMAGED, OR NOT CONTAINING SEDIMENT ON-SITE.

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.

LAYOUT

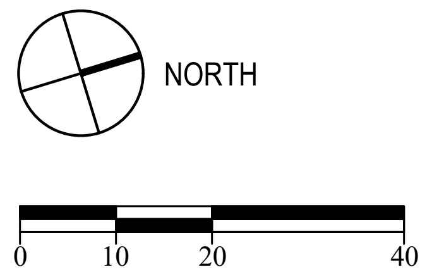
1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD. REPORT ANY DISCREPANCIES OF THE DESIGN TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.
2. STAKE OR OTHERWISE FLAG ALL DESIGN ELEMENTS AND FEATURES IN THE FIELD. OBTAIN LANDSCAPE ARCHITECTS APPROVAL PRIOR 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 MUST HAVE FLUSH TRANSITIONS AND MUST BE DOWELED (IF APPLICABLE) TO PREVENT SETTLING.

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.
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.

ABBREVIATIONS:

HP	HIGH POINT
LP	LOW POINT
TW	TOP OF WALL
BW	BOTTOM OF WALL
TC	TOP OF CURB
BC	BOTTOM OF CURB
TS	TOP OF STEP
BS	BOTTOM OF STEP
CB	CATCH BASIN
TF	TOP OF FRAME
INV	INVERT
MH	MAN HOLE
RCP	REINFORCED CONCRETE PIPE
VIF	VERIFY IN FIELD
FFE	FINISH FLOOR ELEVATION
VIF	VERIFY IN FIELD
EX	EXISTING
EQ	EQUAL
O/S	OFF SET
℄	CENTER LINE
±	PLUS/MINUS
PC	POINT OF CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
LT	LEFT
RT	RIGHT
L	LENGTH
R	RADIUS
D	DEGREES
C	CHORD LENGTH
CNR	CORNER
BLDG	BUILDING
MAX	MAXIMUM
HDPE	HIGH DENSITY POLYETHYLENE



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed
Drawn AB
Reviewed BK
Scale AS SHOWN
Project No. 2301944
Date 01/24/25
CAD File:
OVERALL SITE PLAN AND NOTES-2024001_ARCH STREET

SITE NOTES AND LEGEND

Sheet No.

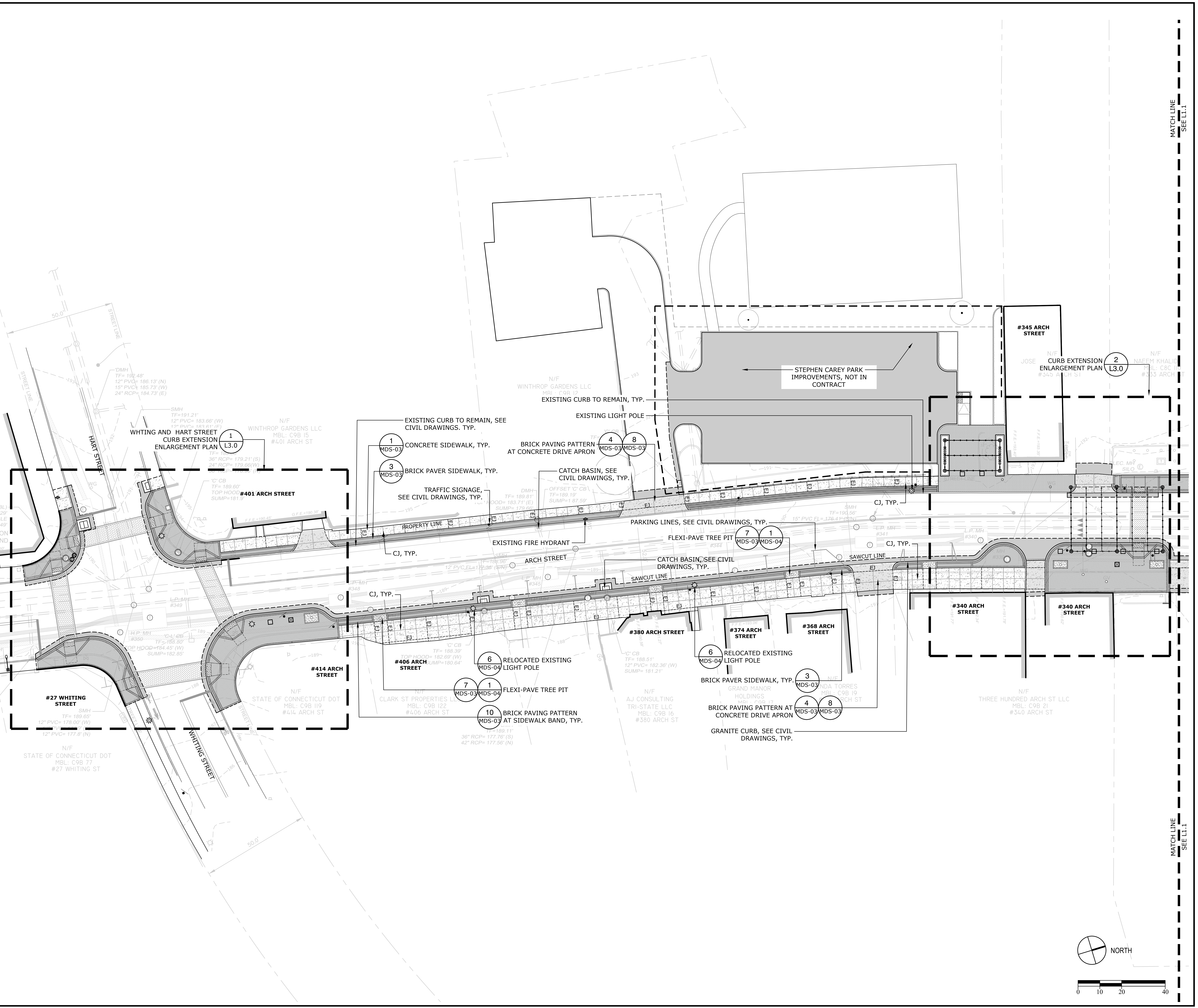
L0.1

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\OVERALL SITE PLAN AND NOTES-2024001_ARCH STREET.DWG.L0.1.

MATERIAL LEGEND

SYMBOL	DESCRIPTION
▨	CONCRETE SIDEWALK
▦	BRICK PAVER SIDEWALK
■	BITUMINOUS CONCRETE PAVEMENT
▩	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▨	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
▢	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o- - - - -o	FESTOON LIGHTING
▭	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE
Ⓣ Ⓡ	TRASH AND RECYCLING RECEPTACLE
⊠	PLACEMAKING PYLON
▨	FLEXI-PAVE AT TREE PIT
◎	FIRE HYDRANT
EJ - - - - - -	EXPANSION JOINT
| | CJ	CONTROL JOINT
— — — —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
●	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS


MATCH LINE SEE L1.1
WHTING AND HART STREET CURB EXTENSION ENLARGEMENT PLAN 1 L3.0
HART STREET
WHITING STREET
ARCH STREET
PROPERTY LINE
#401 ARCH STREET
#437 ARCH STREET
#27 WHITING STREET
#414 ARCH STREET
#406 ARCH STREET
#380 ARCH STREET
#374 ARCH STREET
#368 ARCH STREET
#345 ARCH STREET
#340 ARCH STREET
#340 ARCH STREET
N/F WINTHROP GARDENS LLC MBL: C9B 15 #401 ARCH ST
N/F ARCH STREET ASSOCIATES MBL: C9B 123 #437 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C9B 112 #460 ARCH ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 119 #414 ARCH ST
N/F CLARK ST PROPERTIES LLC MBL: C9B 122 #406 ARCH ST
N/F AJ CONSULTING TRI-STATE LLC MBL: C9B 16 #380 ARCH ST
N/F THREE HUNDRED ARCH ST LLC MBL: C9B 21 #340 ARCH ST
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS. TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
BRICK PAVING PATTERN AT CONCRETE DRIVE APRON 4 MDS-03 8 MDS-03
EXISTING CURB TO REMAIN, TYP.
EXISTING LIGHT POLE
STEPHEN CAREY PARK IMPROVEMENTS, NOT IN CONTRACT
CURB EXTENSION ENLARGEMENT PLAN 2 L3.0
CJ, TYP.
EXISTING FIRE HYDRANT
PARKING LINES, SEE CIVIL DRAWINGS, TYP.
FLEXI-PAVE TREE PIT 7 MDS-03 1 MDS-04
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
SAWCUT LINE
6 MDS-04 RELOCATED EXISTING LIGHT POLE
7 MDS-03 1 MDS-04 FLEXI-PAVE TREE PIT
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
BRICK PAVER SIDEWALK, TYP. 3 MDS-03
BRICK PAVING PATTERN AT CONCRETE DRIVE APRON 4 MDS-03 8 MDS-03
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
EJ
NORTH
0 10 20 40

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-SIGNAGE AND PARKING-2024001

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SM-2024001_ARCH STREET

Title
SITE MATERIALS PLAN

Sheet No.
L1.0

MATERIAL LEGEND

SYMBOL	DESCRIPTION
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▦	BRICK PAVER SIDEWALK
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— — — —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
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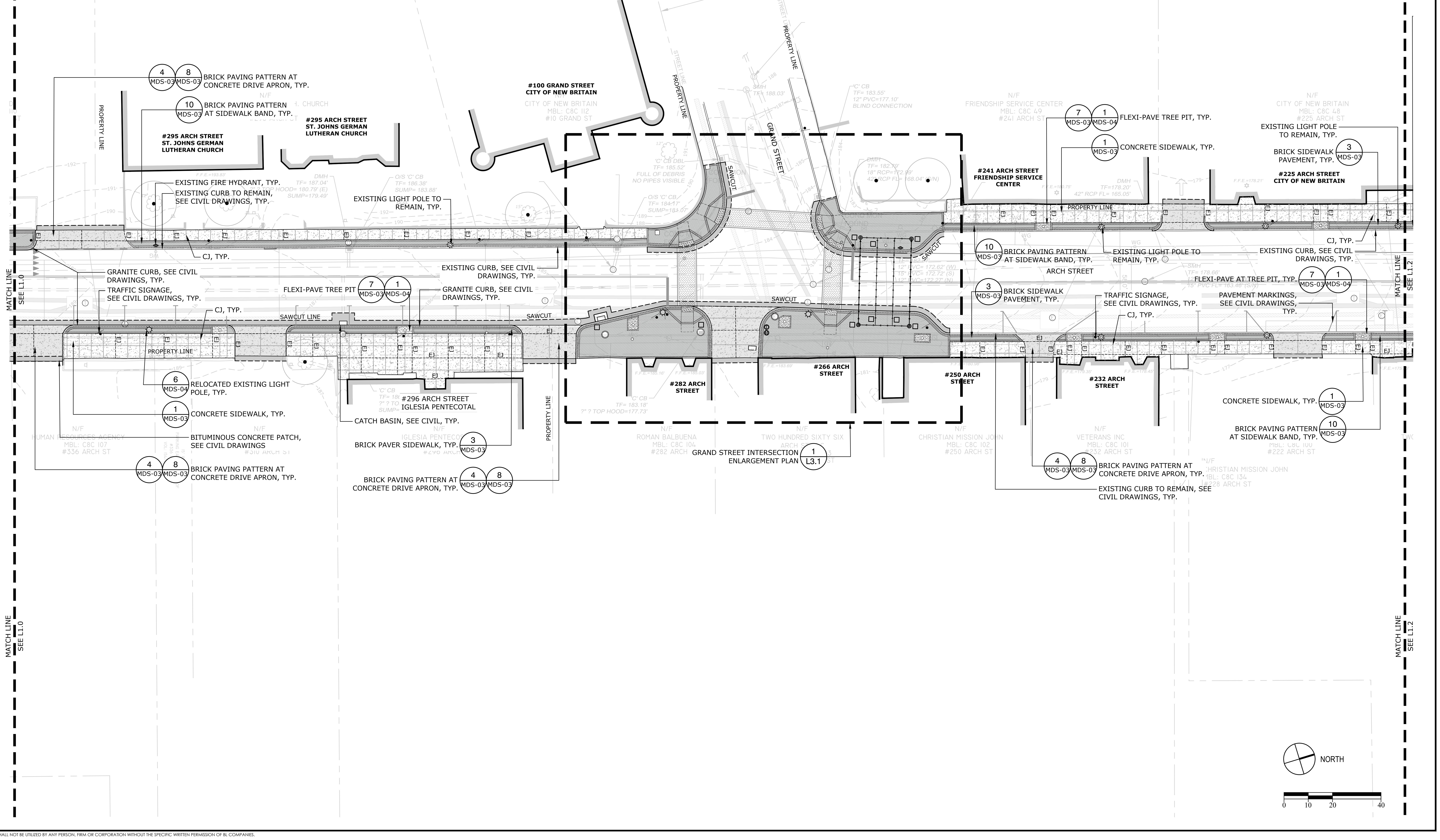
MATCH LINE SEE L1.0
MATCH LINE SEE L1.2
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
PROPERTY LINE
#295 ARCH STREET ST. JOHNS GERMAN LUTHERAN CHURCH
#295 ARCH STREET ST. JOHNS GERMAN LUTHERAN CHURCH
#100 GRAND STREET CITY OF NEW BRITAIN
EXISTING FIRE HYDRANT, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
CJ, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
CJ, TYP.
EXISTING CURB, SEE CIVIL DRAWINGS, TYP.
FLEXI-PAVE TREE PIT 7 MDS-03 1 MDS-04
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
SAWCUT LINE
SAWCUT
PROPERTY LINE
6 MDS-04 RELOCATED EXISTING LIGHT POLE, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
BITUMINOUS CONCRETE PATCH, SEE CIVIL DRAWINGS
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
#296 ARCH STREET IGLESIA PENTECOTAL
CATCH BASIN, SEE CIVIL, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP. 4 MDS-03 8 MDS-03
PROPERTY LINE
50.0'
STREET LINE
PROPERTY LINE
GRAND STREET
SAWCUT
SAWCUT
SAWCUT
#282 ARCH STREET
#266 ARCH STREET
#250 ARCH STREET
GRAND STREET INTERSECTION ENLARGEMENT PLAN 1 L3.1
#241 ARCH STREET FRIENDSHIP SERVICE CENTER
7 MDS-03 1 MDS-04 FLEXI-PAVE TREE PIT, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
PROPERTY LINE
EXISTING LIGHT POLE TO REMAIN, TYP.
BRICK SIDEWALK PAVEMENT, TYP. 3 MDS-03
#225 ARCH STREET CITY OF NEW BRITAIN
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
ARCH STREET
CJ, TYP.
EXISTING CURB, SEE CIVIL DRAWINGS, TYP.
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP.
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
CJ, TYP.
FLEXI-PAVE AT TREE PIT, TYP. 7 MDS-03 1 MDS-04
PAVEMENT MARKINGS, SEE CIVIL DRAWINGS, TYP.
#232 ARCH STREET
CONCRETE SIDEWALK, TYP. 1 MDS-03
BRICK PAVING PATTERN AT SIDEWALK BAND, TYP. 10 MDS-03
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
NORTH
0
10
20
40

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-SIGNAGE AND PARKING-2024001

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SM-2024001_ARCH STREET

Title
SITE MATERIALS PLAN

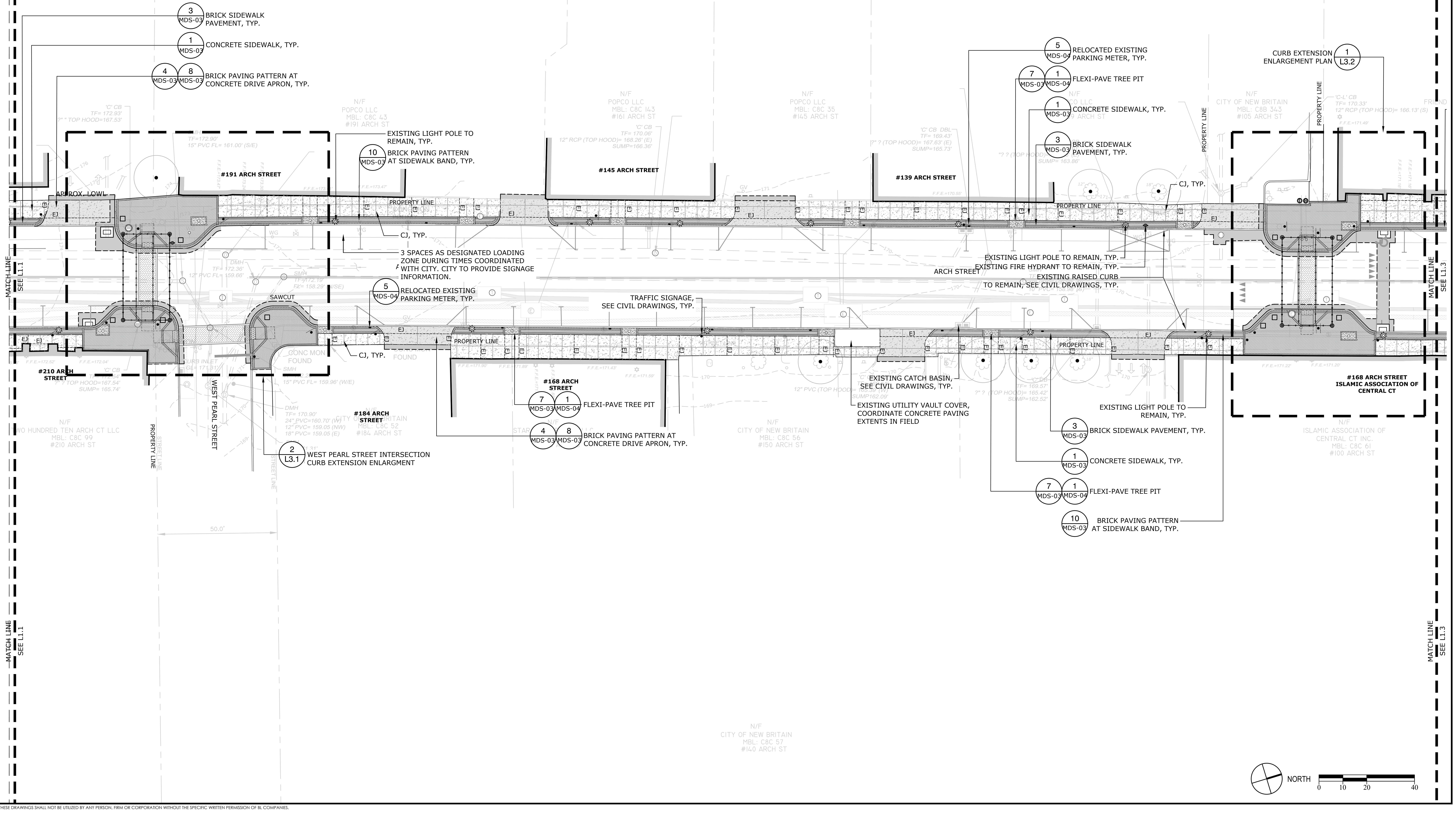
Sheet No.
L1.1

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SM-2024001_ARCH STREET.DWG.L1.1

MATERIAL LEGEND

SYMBOL	DESCRIPTION
░	CONCRETE SIDEWALK
▦	BRICK PAVER SIDEWALK
■	BITUMINOUS CONCRETE PAVEMENT
▩	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▒	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
▢	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o- - - - -o	FESTOON LIGHTING
▭	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE

Ⓣ Ⓡ	TRASH AND RECYCLING RECEPTACLE
☒	PLACEMAKING PYLON
▒	FLEXI-PAVE AT TREE PIT
◎	FIRE HYDRANT
EJ - - - -	EXPANSION JOINT
| | | CJ	CONTROL JOINT
— — — —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
●	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS


MATCH LINE SEE L1.1
MATCH LINE SEE L1.3
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
CJ, TYP.
3 SPACES AS DESIGNATED LOADING ZONE DURING TIMES COORDINATED WITH CITY. CITY TO PROVIDE SIGNAGE INFORMATION.
5 MDS-04 RELOCATED EXISTING PARKING METER, TYP.
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
#191 ARCH STREET
#145 ARCH STREET
#139 ARCH STREET
#210 ARCH STREET
#184 ARCH STREET
#168 ARCH STREET
#168 ARCH STREET ISLAMIC ASSOCIATION OF CENTRAL CT
APPROX. LOWL
PROPERTY LINE
SAWCUT
EJ
CJ, TYP.
ARCH STREET
WEST PEARL STREET
7 MDS-03 1 MDS-04 FLEXI-PAVE TREE PIT
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
2 L3.1 WEST PEARL STREET INTERSECTION CURB EXTENSION ENLARGMENT
5 MDS-04 RELOCATED EXISTING PARKING METER, TYP.
7 MDS-03 1 MDS-04 FLEXI-PAVE TREE PIT
1 MDS-03 CONCRETE SIDEWALK, TYP.
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP.
CJ, TYP.
1 L3.2 CURB EXTENSION ENLARGEMENT PLAN
EXISTING LIGHT POLE TO REMAIN, TYP.
EXISTING FIRE HYDRANT TO REMAIN, TYP.
EXISTING RAISED CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
EXISTING CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
EXISTING UTILITY VAULT COVER, COORDINATE CONCRETE PAVING EXTENTS IN FIELD
EXISTING LIGHT POLE TO REMAIN, TYP.
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
7 MDS-03 1 MDS-04 FLEXI-PAVE TREE PIT
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
N/F POPCO LLC MBL: C8C 43 #191 ARCH ST
N/F POPCO LLC MBL: C8C 143 #161 ARCH ST
N/F POPCO LLC MBL: C8C 35 #145 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8B 343 #105 ARCH ST
N/F TWO HUNDRED TEN ARCH CT LLC MBL: C8C 99 #210 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 52 #184 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 56 #150 ARCH ST
N/F ISLAMIC ASSOCIATION OF CENTRAL CT INC. MBL: C8C 61 #100 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 57 #140 ARCH ST
50.0'
NORTH
0 10 20 40

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REVISIONS

No.	Date	Desc.

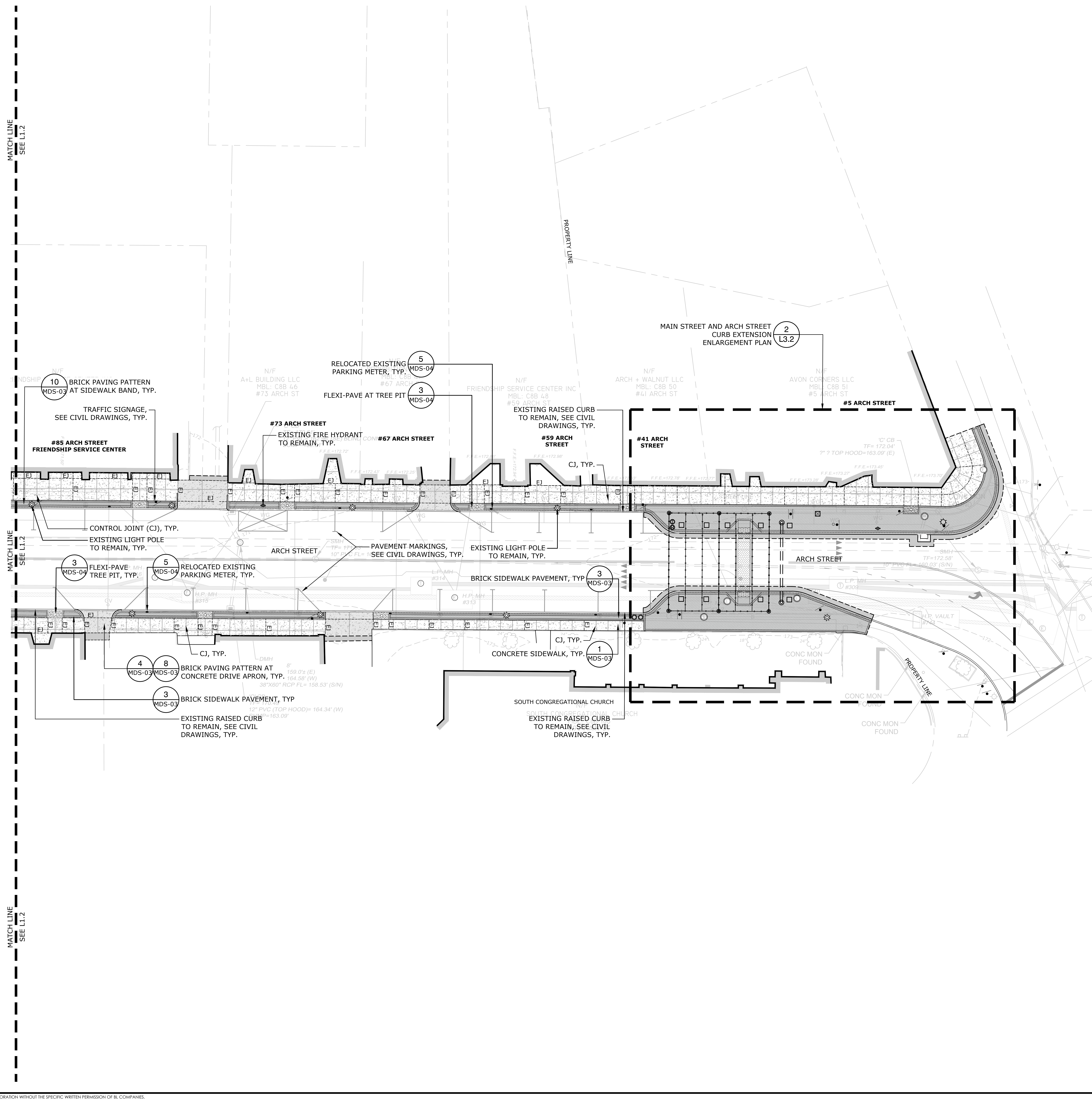
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SM-2024001_ARCH STREET

Title
SITE MATERIALS PLAN

Sheet No.
L1.2

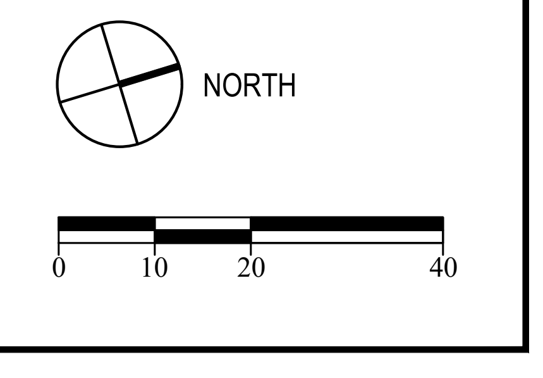
Xref (s): : xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SM-2024001_ARCH STREET.DWG.L1.2.


MATCH LINE
SEE L1.2
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
#85 ARCH STREET FRIENDSHIP SERVICE CENTER
N/F A+L BUILDING LLC MBL: C8B 46 #73 ARCH ST
#73 ARCH STREET
EXISTING FIRE HYDRANT TO REMAIN, TYP.
5 MDS-04 RELOCATED EXISTING PARKING METER, TYP.
3 MDS-04 FLEXI-PAVE AT TREE PIT
#67 ARCH STREET
N/F FRIENDSHIP SERVICE CENTER INC MBL: C8B 48 #59 ARCH ST
EXISTING RAISED CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
#59 ARCH STREET
N/F ARCH + WALNUT LLC MBL: C8B 50 #41 ARCH ST
#41 ARCH STREET
CJ, TYP.
MAIN STREET AND ARCH STREET CURB EXTENSION ENLARGEMENT PLAN 2 L3.2
N/F AVON CORNERS LLC MBL: C8B 51 #5 ARCH ST
#5 ARCH STREET
PROPERTY LINE
DANJAN PROPERTIES MBL: C8B 52 #116 MAIN ST
CONTROL JOINT (CJ), TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
ARCH STREET
PAVEMENT MARKINGS, SEE CIVIL DRAWINGS, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
3 MDS-04 FLEXI-PAVE TREE PIT, TYP.
5 MDS-04 RELOCATED EXISTING PARKING METER, TYP.
BRICK SIDEWALK PAVEMENT, TYP 3 MDS-03
CJ, TYP.
CONCRETE SIDEWALK, TYP. 1 MDS-03
4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP
EXISTING RAISED CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
SOUTH CONGREGATIONAL CHURCH
EXISTING RAISED CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
CONC MON FOUND
EJ
ARCH STREET

MATERIAL LEGEND

SYMBOL	DESCRIPTION
▨	CONCRETE SIDEWALK
▨	BRICK PAVER SIDEWALK
▨	BITUMINOUS CONCRETE PAVEMENT
▨	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▨	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
▢	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o- - - -o	FESTOON LIGHTING
▪	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE
● ●	TRASH AND RECYCLING RECEPTACLE
☒	PLACEMAKING PYLON
▨	FLEXI-PAVE AT TREE PIT
◈	FIRE HYDRANT
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
— — —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
•	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

Designed
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Reviewed BK
Scale AS SHOWN
Project No. 2301944
Date 01/24/25
CAD File: SM-2024001_ARCH STREET

Title
SITE MATERIALS PLAN

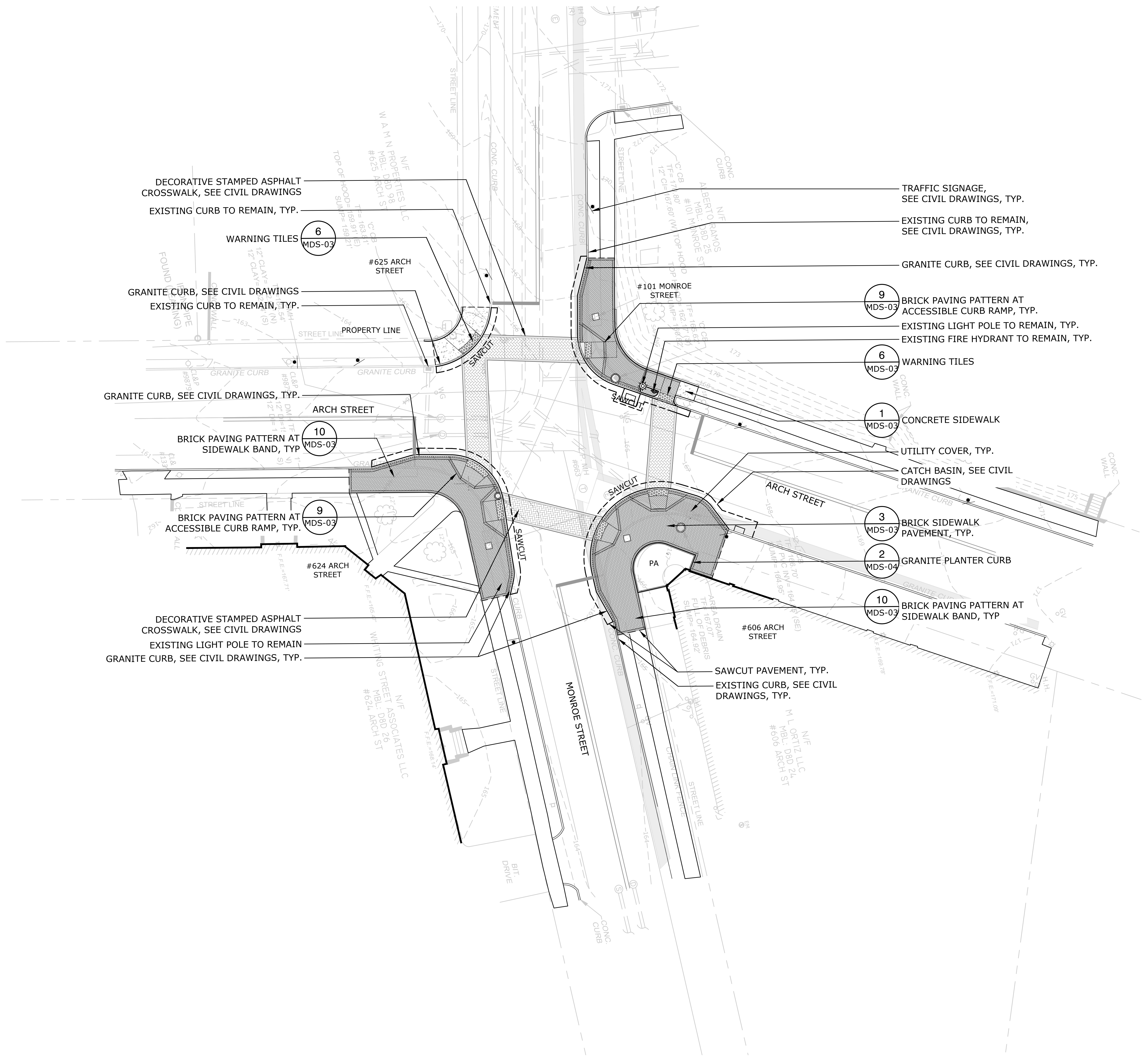
Sheet No.
L1.3

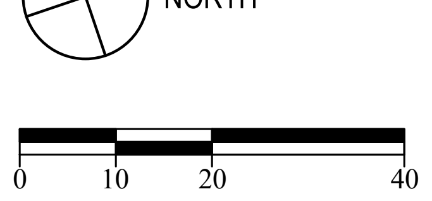
Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SM-2024001_ARCH STREET.DWG.L1.3.

MATERIAL LEGEND

SYMBOL	DESCRIPTION
░	CONCRETE SIDEWALK
▦	BRICK PAVER SIDEWALK
■	BITUMINOUS CONCRETE PAVEMENT
▩	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▤	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
□	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
○- - - -○	FESTOON LIGHTING
▪	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE
● ●	TRASH AND RECYCLING RECEPTACLE
☒	PLACEMAKING PYLON
▨	FLEXI-PAVE AT TREE PIT
◉	FIRE HYDRANT
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
— — —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
●	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS


DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
EXISTING CURB TO REMAIN, TYP.
6 MDS-03 WARNING TILES
GRANITE CURB, SEE CIVIL DRAWINGS
EXISTING CURB TO REMAIN, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
ARCH STREET
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
EXISTING LIGHT POLE TO REMAIN
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
#625 ARCH STREET
PROPERTY LINE
SAWCUT
#624 ARCH STREET
#101 MONROE STREET
MONROE STREET
ARCH STREET
PA
#606 ARCH STREET
TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.
EXISTING FIRE HYDRANT TO REMAIN, TYP.
6 MDS-03 WARNING TILES
1 MDS-03 CONCRETE SIDEWALK
UTILITY COVER, TYP.
CATCH BASIN, SEE CIVIL DRAWINGS
3 MDS-03 BRICK SIDEWALK PAVEMENT, TYP.
2 MDS-04 GRANITE PLANTER CURB
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP
SAWCUT PAVEMENT, TYP.
EXISTING CURB, SEE CIVIL DRAWINGS, TYP.



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SM-2024001_ARCH STREET

Title
SITE MATERIALS PLAN

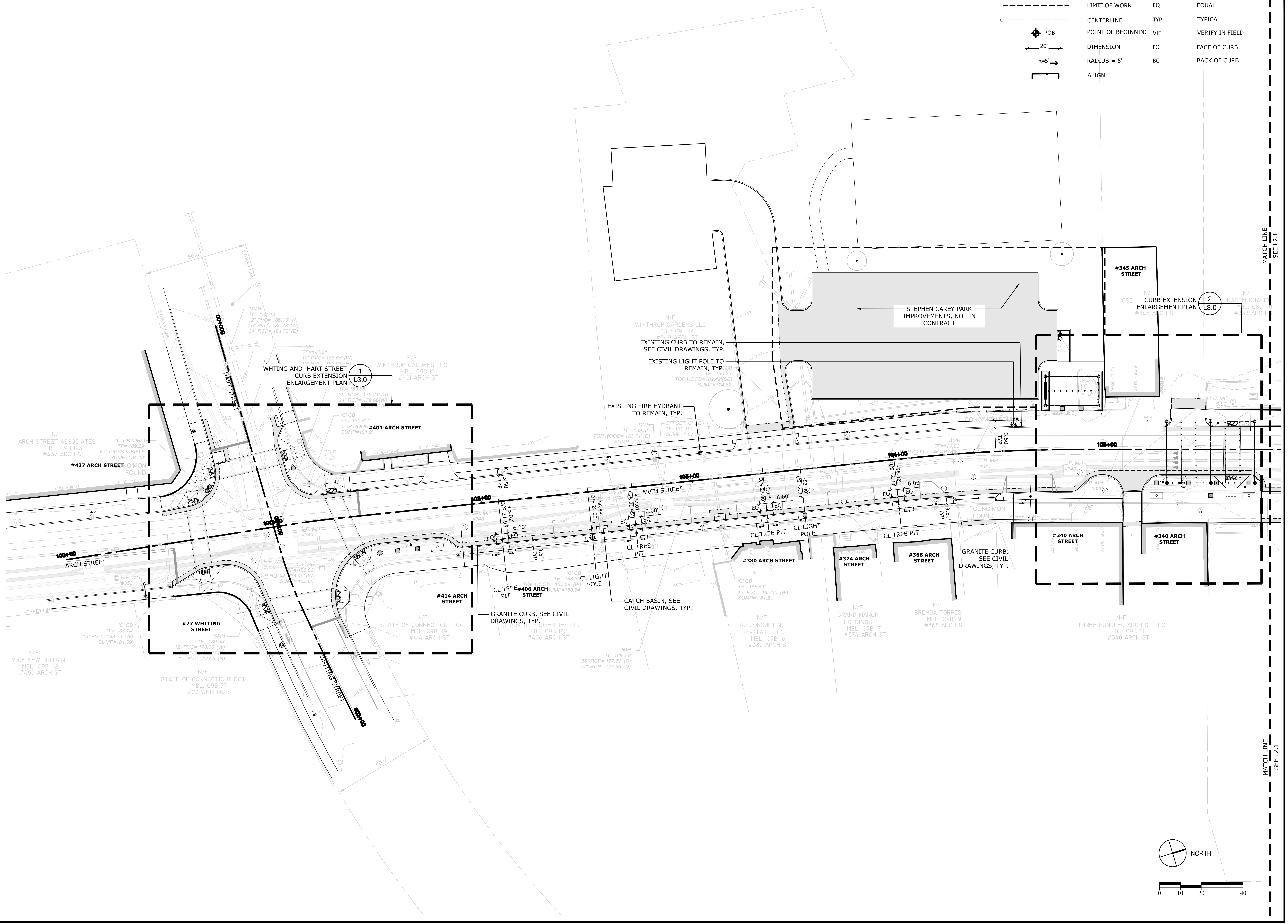
Sheet No.
L1.4

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SM-2024001_ARCH STREET.DWG.L1.4.

LAYOUT LEGEND

– – – – – –	LIMIT OF WORK	EQ	EQUAL
℄ ——— - ———	CENTERLINE	TYP	TYPICAL
⌖ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
20'	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
┌─•─┐	ALIGN		



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

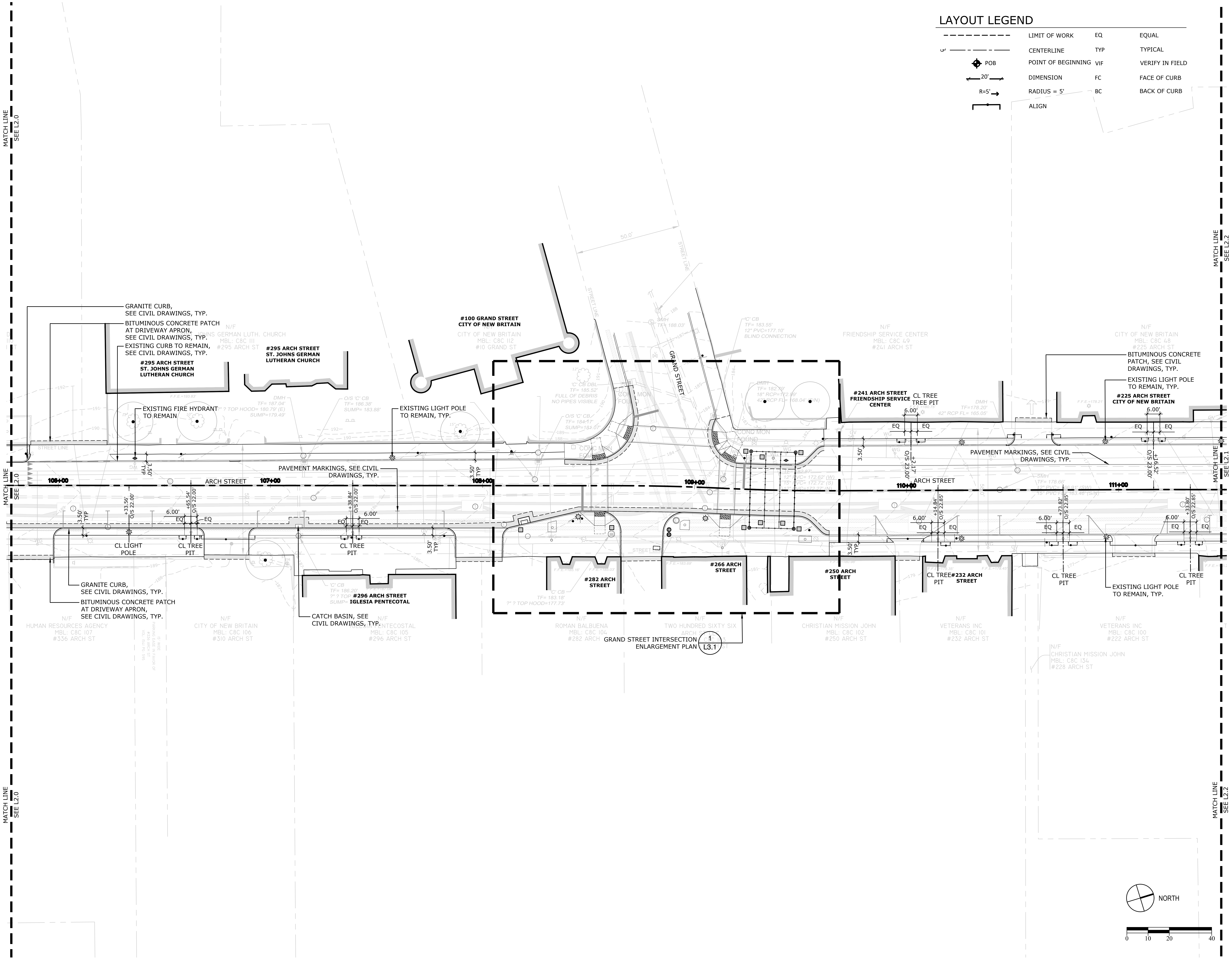
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SL-2024001_ARCH STREET

Title
SITE LAYOUT PLAN

Sheet No.
L2.0

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-LA-LEG ; XR-CIVIL-2024001 ; XR-SIGNAGE AND PARKING-2024001 ; XR230194401

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SL-2024001_ARCH STREET.DWG.L2.0.



LAYOUT LEGEND

- - - - - - - -	LIMIT OF WORK	EQ	EQUAL
℄ —— - —— - ——	CENTERLINE	TYP	TYPICAL
⌖ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
← 20' →	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
⊓	ALIGN		

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Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SL-2024001_ARCH STREET

Title

SITE LAYOUT PLAN

Sheet No.

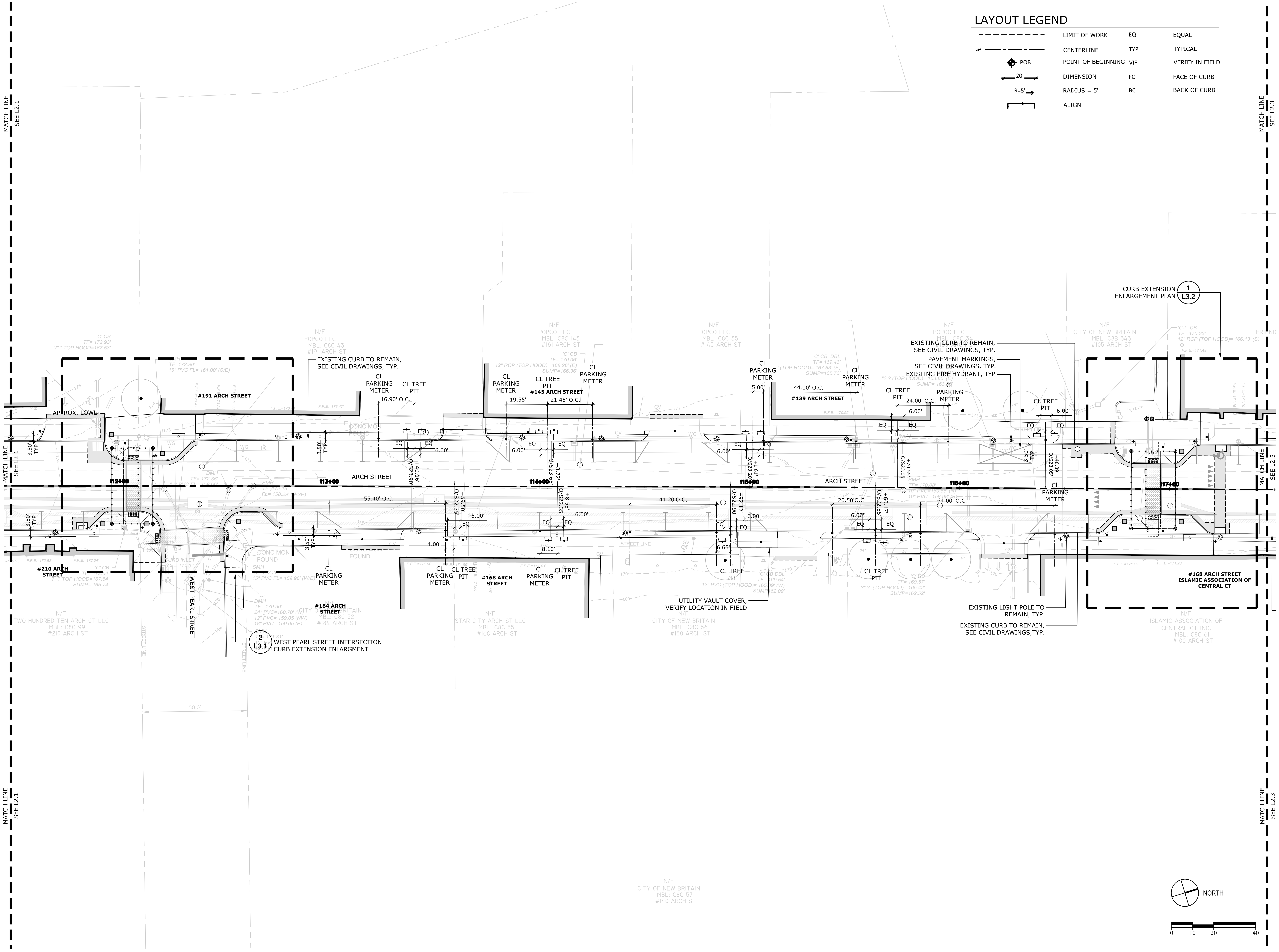
L2.1

Xref (s): : ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-LA-LEG ; XR-CIVIL-2024001 ; XR-SIGNAGE AND PARKING-2024001 ; XR230194401

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SL-2024001_ARCH STREET.DWG.L2.1.

LAYOUT LEGEND

‐ ‐ ‐ ‐ ‐ ‐	LIMIT OF WORK	EQ	EQUAL
℄ ——— – ———	CENTERLINE	TYP	TYPICAL
⊕ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
⟵ 20' ⟶	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
⊓	ALIGN		


MATCH LINE SEE L2.1
MATCH LINE SEE L2.3
N/F POPCO LLC MBL: C8C 43 #191 ARCH ST
N/F POPCO LLC MBL: C8C 143 #161 ARCH ST
N/F POPCO LLC MBL: C8C 35 #145 ARCH ST
N/F POPCO LLC MBL: C8C 34
N/F CITY OF NEW BRITAIN MBL: C8B 343 #105 ARCH ST
N/F TWO HUNDRED TEN ARCH CT LLC MBL: C8C 99 #210 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 52 #184 ARCH ST
N/F STAR CITY ARCH ST LLC MBL: C8C 55 #168 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 56 #150 ARCH ST
N/F ISLAMIC ASSOCIATION OF CENTRAL CT INC. MBL: C8C 61 #100 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 57 #140 ARCH ST
#191 ARCH STREET
#145 ARCH STREET
#139 ARCH STREET
#210 ARCH STREET
#184 ARCH STREET
#168 ARCH STREET
#168 ARCH STREET ISLAMIC ASSOCIATION OF CENTRAL CT
ARCH STREET
WEST PEARL STREET
STREET LINE
APPROX. LOWL
112+00
113+00
114+00
115+00
116+00
117+00
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
PAVEMENT MARKINGS, SEE CIVIL DRAWINGS, TYP.
EXISITNG FIRE HYDRANT, TYP
EXISTING LIGHT POLE TO REMAIN, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS,TYP.
UTILITY VAULT COVER, VERIFY LOCATION IN FIELD
CURB EXTENSION ENLARGEMENT PLAN 1 L3.2
2 L3.1 WEST PEARL STREET INTERSECTION CURB EXTENSION ENLARGMENT
CL PARKING METER
CL TREE PIT
16.90' O.C.
19.55'
21.45' O.C.
5.00'
44.00' O.C.
24.00' O.C.
55.40' O.C.
41.20'O.C.
20.50'O.C.
64.00' O.C.
6.00'
4.00'
8.10'
6.65'
3.50' TYP
EQ
+40.16' O/S23.90'
+3.72' O/S23.65'
+1.61' O/S23.20'
+70.55' O/S23.05'
+40.89' O/S23.05'
+59.50' O/S22.35'
+8.58' O/S22.35'
+92.12' O/S22.90'
+60.17' O/S22.85'
'C' CB TF= 172.93' ?" " TOP HOOD=167.53'
SMH TF=172.90' 15" PVC FL= 161.00' (S/E)
DMH TF= 172.36' 12" PVC FL= 159.66'
SMH TF=172.19' FL= 158.29' (N/SE)
'C' CB TF= 172.54' ?" ? TOP HOOD=167.54' SUMP= 165.74'
CURB INLET GL= 171.31'
DMH TF= 170.90' 24" PVC=160.70' (W) 12" PVC= 159.05 (NW) 18" PVC= 159.05 (E)
15" PVC FL= 159.96' (W/E)
'C' CB TF= 170.06' 12" RCP (TOP HOOD)= 168.26' (E) SUMP=166.36'
'C' CB DBL TF= 169.43' (TOP HOOD)= 167.63' (E) SUMP=165.73'
'C' CB DBL TF= 169.54' 12" PVC (TOP HOOD)= 165.39' (W) SUMP162.09'
SMH TF= 170.08' 10" PVC=160.88' (N) 10" PVC= 158.98' (S)
'C' CB TF= 169.57' ?" ? (TOP HOOD)= 165.42' SUMP=162.52'
'C-L' CB TF= 170.33' 12" RCP (TOP HOOD)= 166.13' (S)
CONC MON FOUND
F.F.E.=173.47'
F.F.E.=172.52'
F.F.E.=172.04'
F.F.E.=171.90'
F.F.E.=170.55'
F.F.E.=171.22'
F.F.E.=171.20'
F.F.E.=171.49'
WG
GV
50.0'
NORTH
0 10 20 40

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

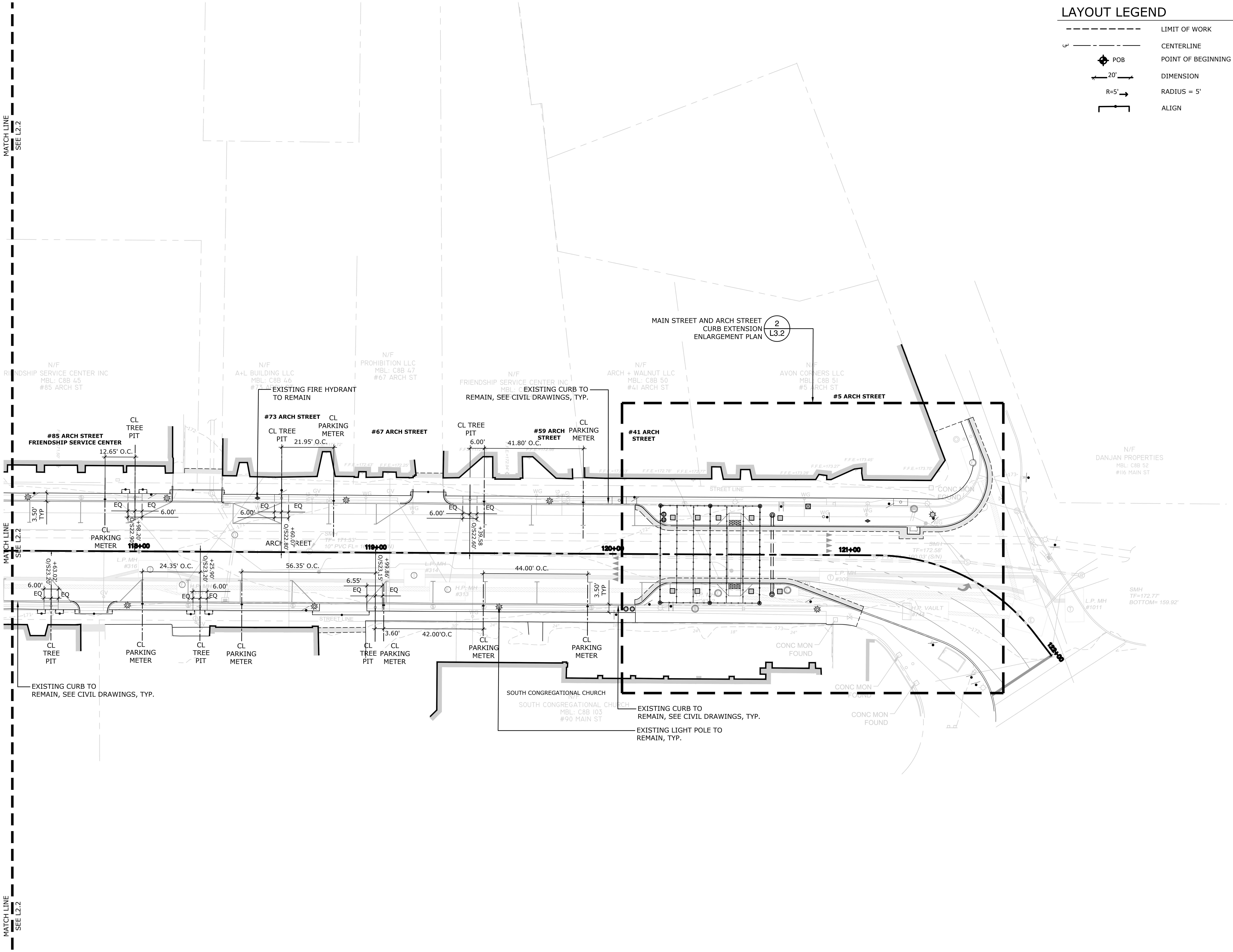
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	SL-2024001_ARCH STREET

Title
SITE LAYOUT PLAN

Sheet No.
L2.2

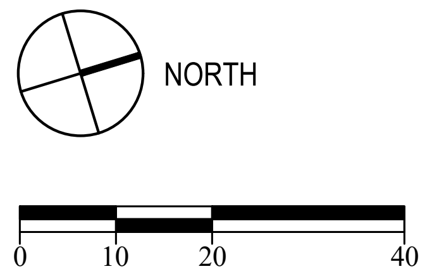
Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-LA-LEG ; XR-CIVIL-2024001 ; XR-SIGNAGE AND PARKING-2024001 ; XR2301944401

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SL-2024001_ARCH STREET.DWG L2.2


MATCH LINE SEE L2.2
MATCH LINE SEE L2.2
MATCH LINE SEE L2.2
N/F FRIENDSHIP SERVICE CENTER INC MBL: C8B 45 #85 ARCH ST
N/F A+L BUILDING LLC MBL: C8B 46 #73 ARCH ST
N/F PROHIBITION LLC MBL: C8B 47 #67 ARCH ST
N/F FRIENDSHIP SERVICE CENTER INC MBL: C8B 48
N/F ARCH + WALNUT LLC MBL: C8B 50 #41 ARCH ST
N/F AVON CORNERS LLC MBL: C8B 51 #5 ARCH ST
N/F DANJAN PROPERTIES MBL: C8B 52 #116 MAIN ST
N/F SOUTH CONGREGATIONAL CHURCH MBL: C8B 103 #90 MAIN ST
MAIN STREET AND ARCH STREET CURB EXTENSION ENLARGEMENT PLAN
2
L3.2
EXISTING FIRE HYDRANT TO REMAIN
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
#85 ARCH STREET FRIENDSHIP SERVICE CENTER
#73 ARCH STREET
#67 ARCH STREET
#59 ARCH STREET
#41 ARCH STREET
#5 ARCH STREET
CL TREE PIT
CL PARKING METER
12.65' O.C.
21.95' O.C.
41.80' O.C.
6.00'
EQ
3.50' TYP
O/S22.90' +98.20'
O/S22.80' +60.07'
O/S22.60' +39.58
O/S23.20' +63.02'
O/S23.20' +25.90'
O/S23.15' +99.86'
24.35' O.C.
56.35' O.C.
44.00' O.C.
42.00'O.C
6.55'
3.60'
ARCH STREET
118+00
119+00
120+00
121+00
122+00
STREET LINE
SMH TF= 171.33' 10" PVC FL= 16
SMH TF=172.58' 10" PVC FL= 160.03' (S/N)
SMH TF=172.77' BOTTOM= 159.92'
L.P. MH #316
L.P. MH #314
L.P. MH #309
L.P. MH #1011
H.P. MH #315
H.P. MH #313
H.P. VAULT #744
CONC MON FOUND
GV
WG
SOUTH CONGREGATIONAL CHURCH
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
EXISTING LIGHT POLE TO REMAIN, TYP.

LAYOUT LEGEND

- - - - - -	LIMIT OF WORK	EQ	EQUAL
℄ — - — - —	CENTERLINE	TYP	TYPICAL
⊕ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
20'	DIMENSION	FC	FACE OF CURB
R=5'	RADIUS = 5'	BC	BACK OF CURB
	ALIGN		



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860.572.0784
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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
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Title
SITE LAYOUT PLAN

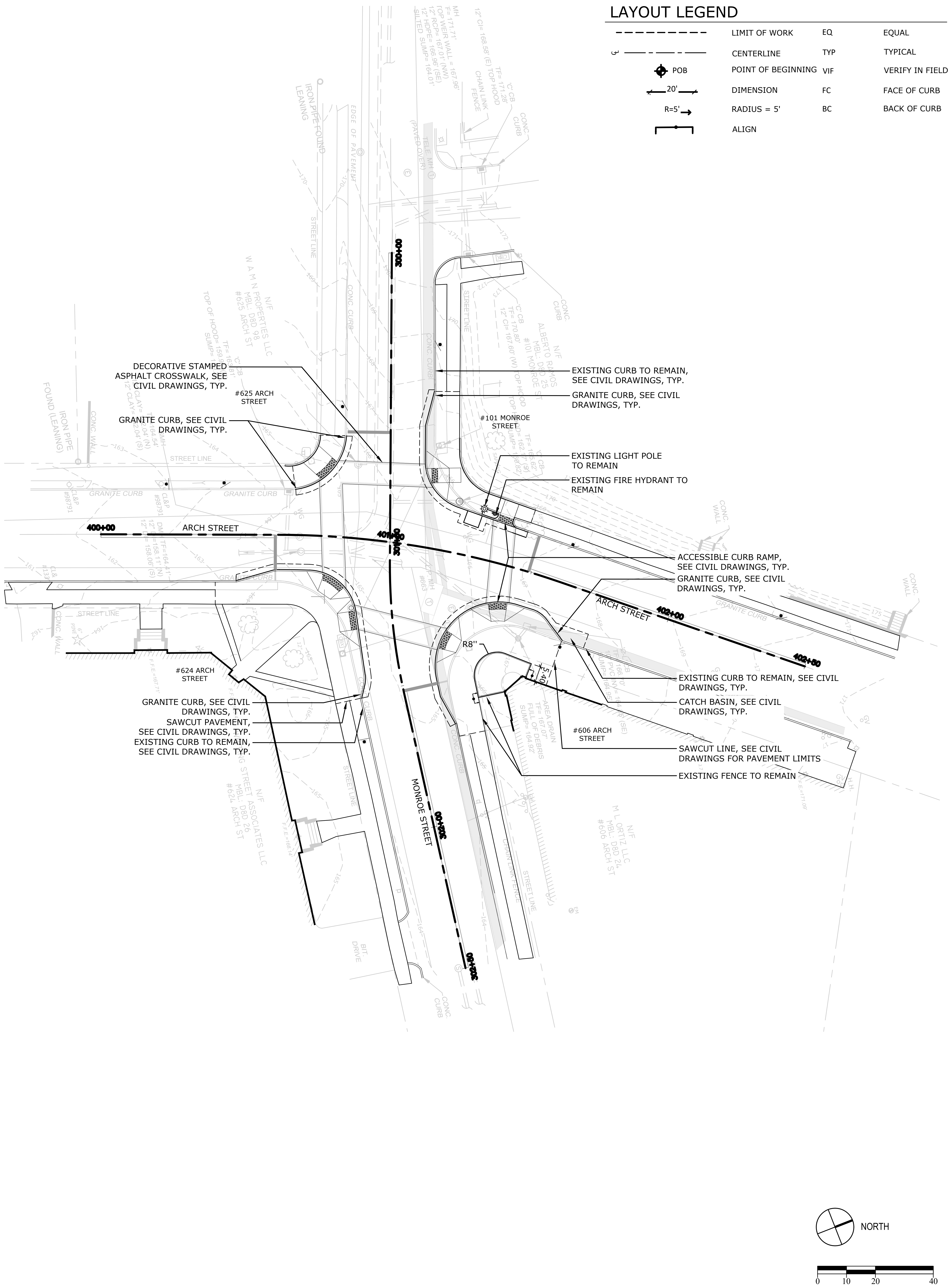
Sheet No.
L2.3

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-LA-LEG ; XR-CIVIL-2024001 ; XR-SIGNAGE AND PARKING-2024001 ; XR230194401

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SL-2024001_ARCH STREET.DWG L2.3.

LAYOUT LEGEND

— — — — —	LIMIT OF WORK	EQ	EQUAL
℄ — - —	CENTERLINE	TYP	TYPICAL
⌖ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
←20'→	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
⊢—•—⊣	ALIGN		



DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
#625 ARCH STREET
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
#101 MONROE STREET
EXISTING LIGHT POLE TO REMAIN
EXISTING FIRE HYDRANT TO REMAIN
400+00
ARCH STREET
401+00
300+00
301+00
ACCESSIBLE CURB RAMP, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
ARCH STREET
402+00
402+50
R8''
#624 ARCH STREET
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
#606 ARCH STREET
SAWCUT LINE, SEE CIVIL DRAWINGS FOR PAVEMENT LIMITS
EXISTING FENCE TO REMAIN
MONROE STREET
302+00
302+50
GRANITE CURB
STREET LINE
CONC. CURB
CHAIN LINK FENCE
NORTH
0
10
20
40

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NEW BRITAIN, CONNECTICUT

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SL-2024001_ARCH STREET

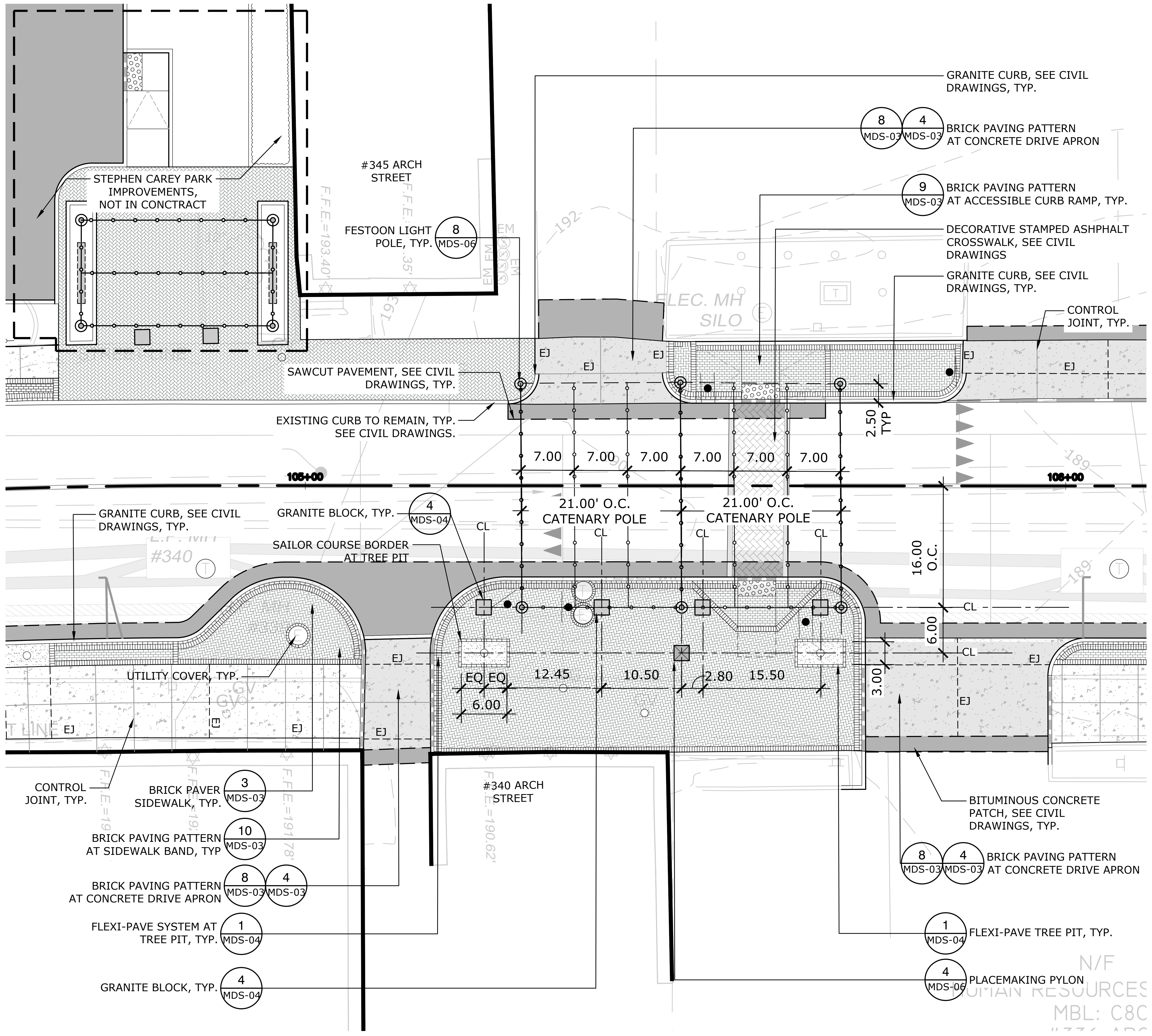
Title

SITE LAYOUT
PLAN

Sheet No.

L2.4

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SL-2024001_ARCH STREET.DWG.L2.4.


GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
8 MDS-03 4 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON
STEPHEN CAREY PARK IMPROVEMENTS, NOT IN CONCRACT
#345 ARCH STREET
FESTOON LIGHT POLE, TYP. 8 MDS-06
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
DECORATIVE STAMPED ASHPHALT CROSSWALK, SEE CIVIL DRAWINGS
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
CONTROL JOINT, TYP.
ELEC. MH SILO
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
EXISTING CURB TO REMAIN, TYP. SEE CIVIL DRAWINGS.
EJ
2.50 TYP
7.00
7.00
7.00
7.00
7.00
7.00
105+00
106+00
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
GRANITE BLOCK, TYP. 4 MDS-04
21.00' O.C. CATENARY POLE
21.00' O.C. CATENARY POLE
CL
16.00 O.C.
SAILOR COURSE BORDER AT TREE PIT
#340
UTILITY COVER, TYP.
EQ EQ
12.45
10.50
2.80
15.50
6.00
3.00
6.00
CONTROL JOINT, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP
8 MDS-03 4 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON
1 MDS-04 FLEXI-PAVE SYSTEM AT TREE PIT, TYP.
4 MDS-04 GRANITE BLOCK, TYP.
#340 ARCH STREET
BITUMINOUS CONCRETE PATCH, SEE CIVIL DRAWINGS, TYP.
8 MDS-03 4 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON
1 MDS-04 FLEXI-PAVE TREE PIT, TYP.
4 MDS-06 PLACEMAKING PYLON
N/F HUMAN RESOURCES MBL: C8C

② CURB EXTENSION ENLARGEMENT PLAN

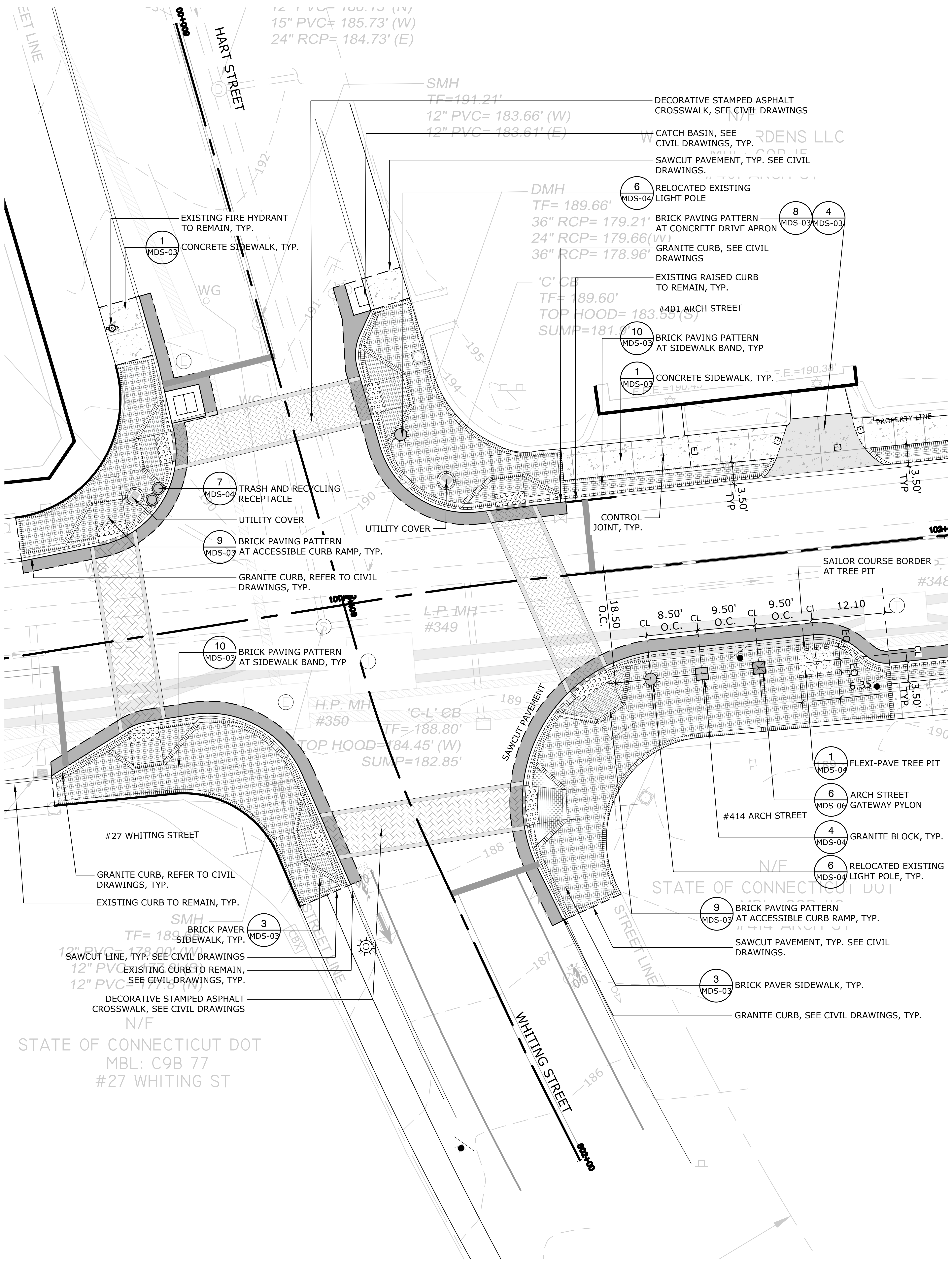
SCALE 1'=10'-0"

MATERIAL LEGEND

SYMBOL	DESCRIPTION
░	CONCRETE SIDEWALK
▦	BRICK PAVER SIDEWALK
▒	BITUMINOUS CONCRETE PAVEMENT
▨	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▭	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
■	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o— —o	FESTOON LIGHTING
▪	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE
Ⓣ Ⓡ	TRASH AND RECYCLING RECEPTACLE
☒	PLACEMAKING PYLON
▭	FLEXI-PAVE AT TREE PIT
◎	FIRE HYDRANT
— EJ —	EXPANSION JOINT
CJ	CONTROL JOINT
— —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
●	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS

LAYOUT LEGEND

— — — — —	LIMIT OF WORK	EQ	EQUAL
℄ —— — ——	CENTERLINE	TYP	TYPICAL
POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
20'	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
	ALIGN		


HART STREET
15" PVC= 185.73' (W)
24" RCP= 184.73' (E)
SMH
TF=191.21'
12" PVC= 183.66' (W)
12" PVC= 183.61' (E)
DMH
TF= 189.66'
36" RCP= 179.21'
24" RCP= 179.66'(W)
36" RCP= 178.96'
'C' CB
TF= 189.60'
TOP HOOD= 183.55'(S)
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
SAWCUT PAVEMENT, TYP. SEE CIVIL DRAWINGS.
6 MDS-04 RELOCATED EXISTING LIGHT POLE
8 MDS-03 4 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON
GRANITE CURB, SEE CIVIL DRAWINGS
EXISTING RAISED CURB TO REMAIN
#401 ARCH STREET
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP
1 MDS-03 CONCRETE SIDEWALK, TYP.
EXISTING FIRE HYDRANT TO REMAIN, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
WG
PROPERTY LINE
EJ
3.50' TYP
3.50' TYP
7 MDS-04 TRASH AND RECYCLING RECEPTACLE
UTILITY COVER
UTILITY COVER
CONTROL JOINT, TYP.
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
GRANITE CURB, REFER TO CIVIL DRAWINGS, TYP.
SAILOR COURSE BORDER AT TREE PIT
#348
18.50 O.C.
CL
8.50' O.C.
9.50' O.C.
9.50' O.C.
12.10
EQ
EQ
6.35
3.50' TYP
102+
L.P. MH
#349
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BAND, TYP
H.P. MH
#350
'C-L' CB
TF= 188.80'
TOP HOOD= 184.45' (W)
SUMP=182.85'
SAWCUT PAVEMENT
1 MDS-04 FLEXI-PAVE TREE PIT
6 MDS-06 ARCH STREET GATEWAY PYLON
#414 ARCH STREET
4 MDS-04 GRANITE BLOCK, TYP.
6 MDS-04 RELOCATED EXISTING LIGHT POLE, TYP.
#27 WHITING STREET
GRANITE CURB, REFER TO CIVIL DRAWINGS, TYP.
EXISTING CURB TO REMAIN, TYP.
N/F STATE OF CONNECTICUT DOT
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
SAWCUT PAVEMENT, TYP. SEE CIVIL DRAWINGS.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
SMH
SAWCUT LINE, TYP. SEE CIVIL DRAWINGS
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
STREET LINE
N/F STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
WHITING STREET
188
187
186

① WHITING AND HART STREET INTERSECTION CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"

NORTH

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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

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Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	ENLARGEMENT PLANS-2024001_ARCH STREET

Title
SITE ENLARGEMENT PLAN

Sheet No.
L3.0

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-CIVIL-2024001 ; XR-LA-LEG ; XR-SIGNAGE AND PARKING-2024001 ; XR230194401

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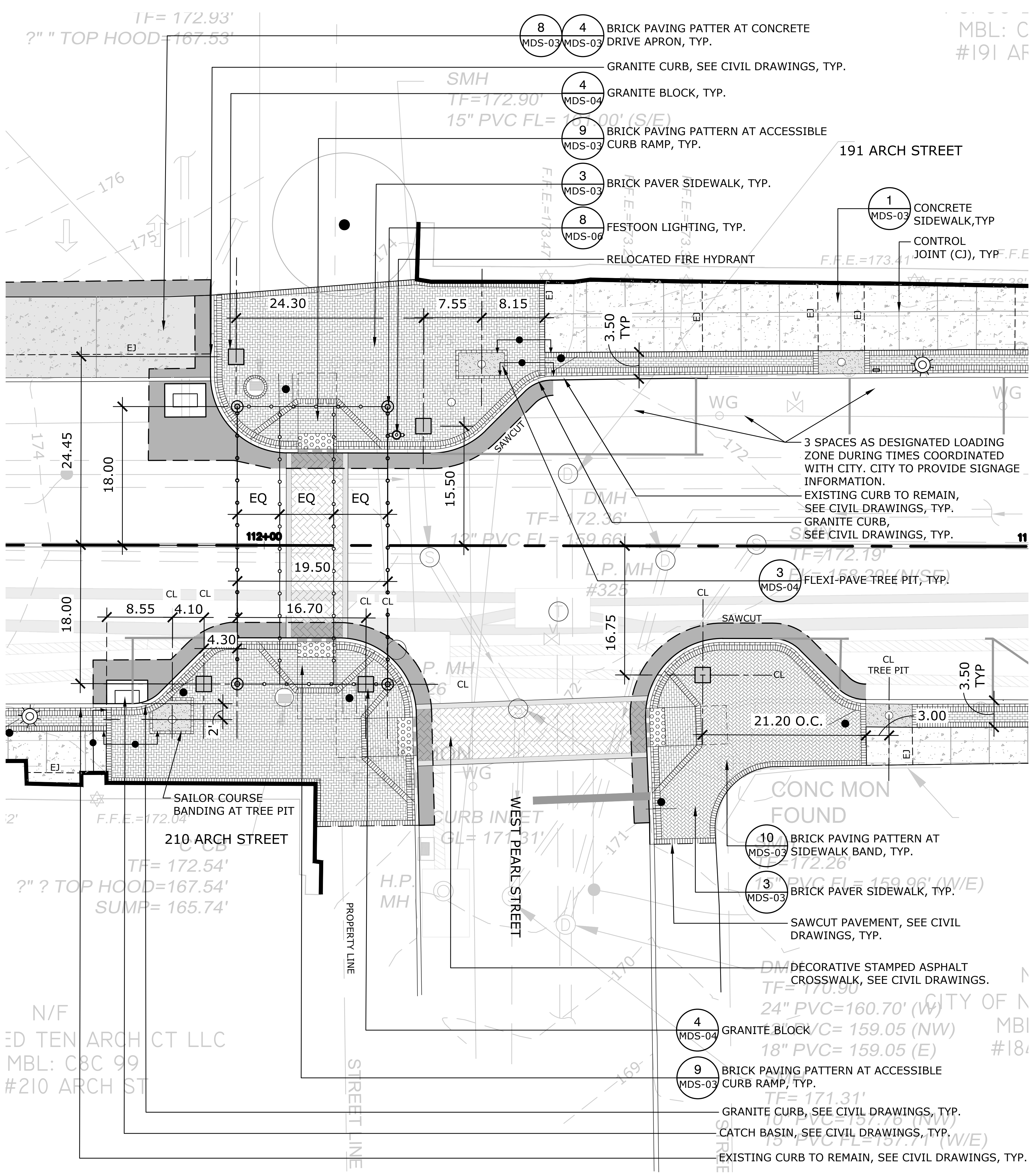
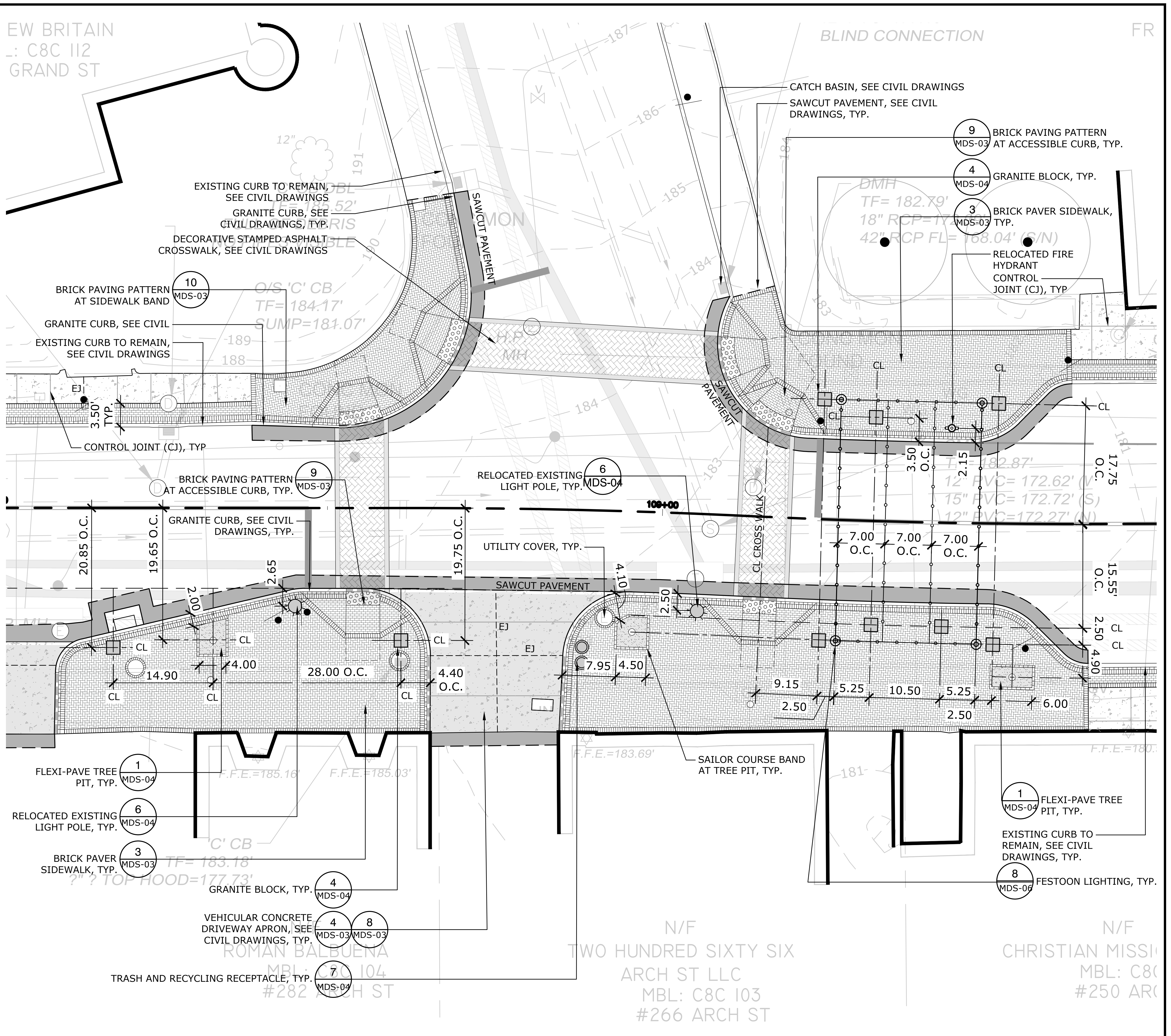

BRICK PAVING PATTER AT CONCRETE DRIVE APRON, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
GRANITE BLOCK, TYP.
BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
BRICK PAVER SIDEWALK, TYP.
FESTOON LIGHTING, TYP.
RELOCATED FIRE HYDRANT
191 ARCH STREET
CONCRETE SIDEWALK,TYP
CONTROL JOINT (CJ), TYP
3 SPACES AS DESIGNATED LOADING ZONE DURING TIMES COORDINATED WITH CITY. CITY TO PROVIDE SIGNAGE INFORMATION.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
FLEXI-PAVE TREE PIT, TYP.
SAILOR COURSE BANDING AT TREE PIT
210 ARCH STREET
WEST PEARL STREET
PROPERTY LINE
BRICK PAVING PATTERN AT SIDEWALK BAND, TYP.
BRICK PAVER SIDEWALK, TYP.
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS.
GRANITE BLOCK
BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
MDS-03
MDS-04
MDS-06
SAWCUT
24.30
7.55
8.15
3.50 TYP
24.45
18.00
EQ
15.50
19.50
8.55
4.10
16.70
4.30
16.75
21.20 O.C.
3.00
CL
TREE PIT
112+00
EJ
STREET LINE

2 WEST PEARL STREET INTERSECTION ENLARGEMENT PLAN

SCALE 1'=10'-0"


BLIND CONNECTION
CATCH BASIN, SEE CIVIL DRAWINGS
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
BRICK PAVING PATTERN AT ACCESSIBLE CURB, TYP.
GRANITE BLOCK, TYP.
BRICK PAVER SIDEWALK, TYP.
RELOCATED FIRE HYDRANT
CONTROL JOINT (CJ), TYP
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
BRICK PAVING PATTERN AT SIDEWALK BAND
GRANITE CURB, SEE CIVIL
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS
CONTROL JOINT (CJ), TYP
BRICK PAVING PATTERN AT ACCESSIBLE CURB, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS.
RELOCATED EXISTING LIGHT POLE, TYP.
UTILITY COVER, TYP.
SAWCUT PAVEMENT
CL CROSS WALK
SAILOR COURSE BAND AT TREE PIT, TYP.
FLEXI-PAVE TREE PIT, TYP.
RELOCATED EXISTING LIGHT POLE, TYP.
BRICK PAVER SIDEWALK, TYP.
GRANITE BLOCK, TYP.
VEHICULAR CONCRETE DRIVEWAY APRON, SEE CIVIL DRAWINGS, TYP.
TRASH AND RECYCLING RECEPTACLE, TYP.
FLEXI-PAVE TREE PIT, TYP.
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
FESTOON LIGHTING, TYP.
MDS-03
MDS-04
MDS-06
3.50 TYP.
20.85 O.C.
19.65 O.C.
19.75 O.C.
2.65
2.00
14.90
4.00
28.00 O.C.
4.40 O.C.
4.10
2.50
7.95
4.50
9.15
2.50
5.25
10.50
5.25
2.50
6.00
7.00 O.C.
3.50 O.C.
2.15
17.75 O.C.
15.55' O.C.
2.50
4.90
109+00
CL
EJ

1 GRAND STREET INTERSECTION CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"

MATERIAL LEGEND

SYMBOL	DESCRIPTION
▨	CONCRETE SIDEWALK
▦	BRICK PAVER SIDEWALK
▩	BITUMINOUS CONCRETE PAVEMENT
▨	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▦	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
▢	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o— — —o	FESTOON LIGHTING
▬	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE

Ⓣ Ⓡ	TRASH AND RECYCLING RECEPTACLE
⊠	PLACEMAKING PYLON
▨	FLEXI-PAVE AT TREE PIT
⊙	FIRE HYDRANT
— EJ —	EXPANSION JOINT
CJ	CONTROL JOINT
— —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
●	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS

LAYOUT LEGEND

— — — — —	LIMIT OF WORK	EQ	EQUAL
℄ —— — ——	CENTERLINE	TYP	TYPICAL
⊕ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
20'	DIMENSION	FC	FACE OF CURB
R=5' →	RADIUS = 5'	BC	BACK OF CURB
┌─•─┐	ALIGN		

1/24/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\ENLARGEMENT PLANS-2024001_ARCH STREET.DWG.L3.1.

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NEW BRITAIN, CONNECTICUT

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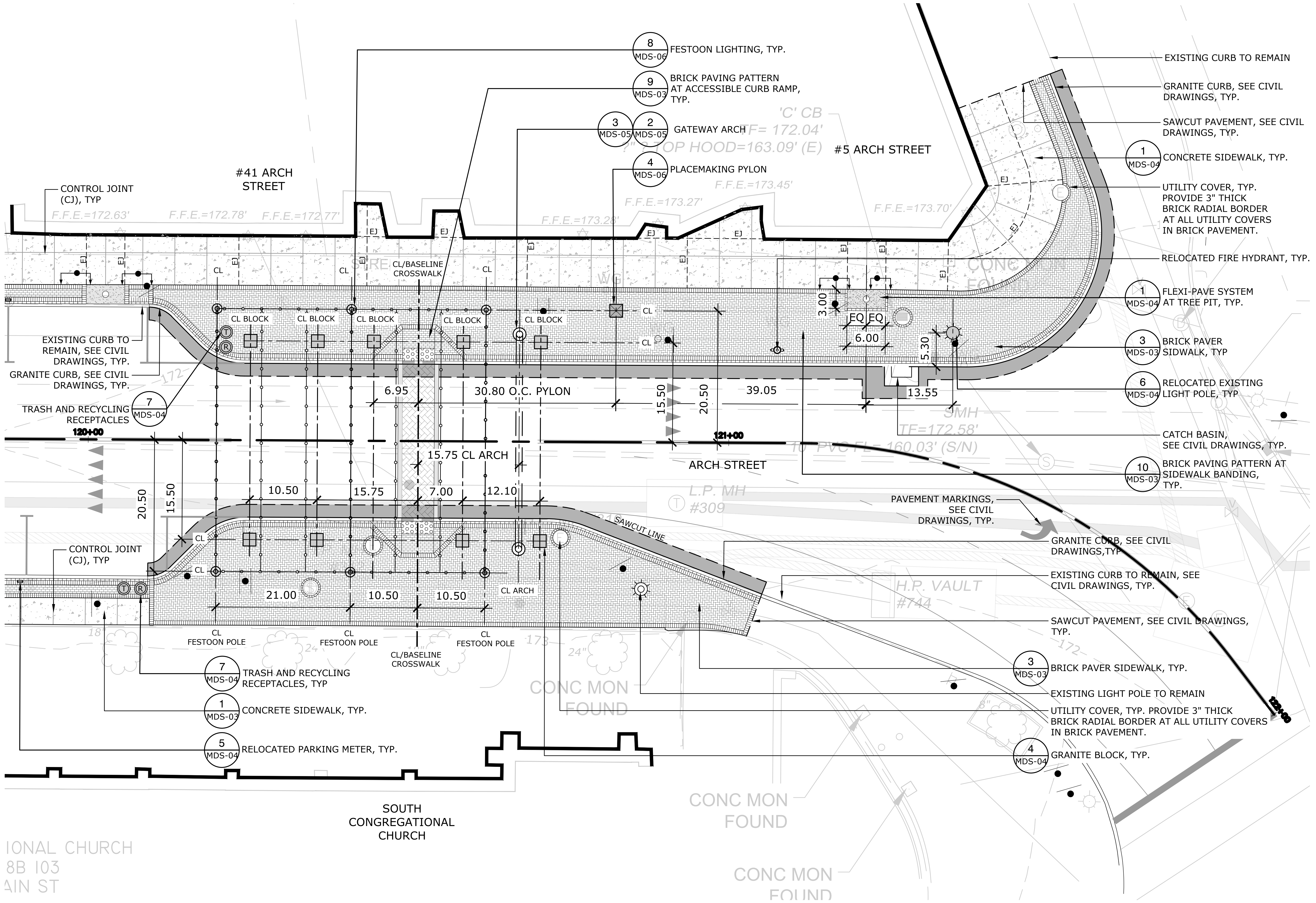
Title
SITE
ENLARGEMENT
PLAN

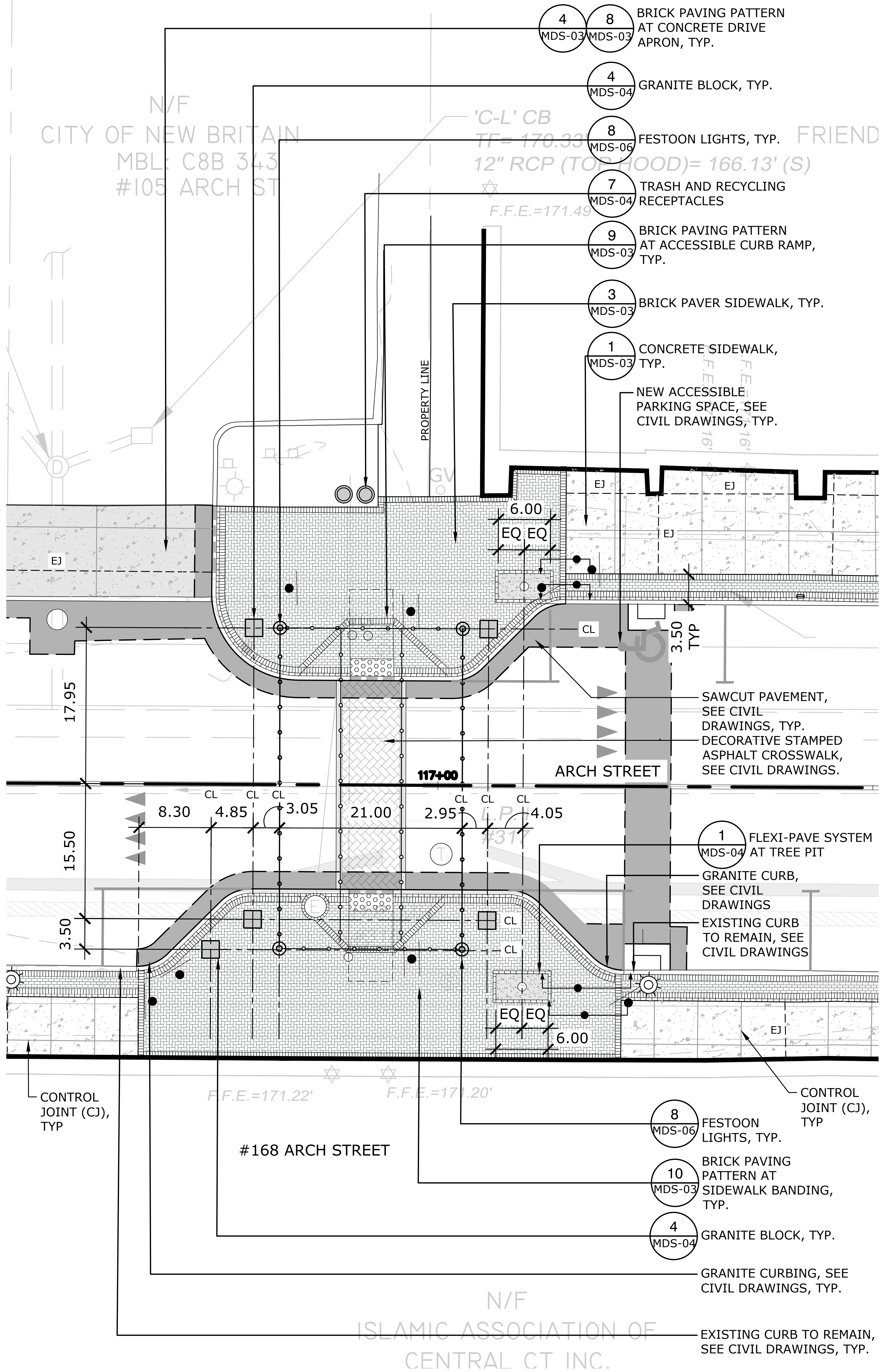
Sheet No.
L3.1



8 MDS-06 FESTOON LIGHTING, TYP.
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
3 MDS-05 2 MDS-05 GATEWAY ARCH
4 MDS-06 PLACEMAKING PYLON
EXISTING CURB TO REMAIN
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
1 MDS-04 CONCRETE SIDEWALK, TYP.
UTILITY COVER, TYP. PROVIDE 3" THICK BRICK RADIAL BORDER AT ALL UTILITY COVERS IN BRICK PAVEMENT.
RELOCATED FIRE HYDRANT, TYP.
1 MDS-04 FLEXI-PAVE SYSTEM AT TREE PIT, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP
6 MDS-04 RELOCATED EXISTING LIGHT POLE, TYP
CATCH BASIN, SEE CIVIL DRAWINGS, TYP.
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BANDING, TYP.
#41 ARCH STREET
#5 ARCH STREET
'C' CB
TF= 172.04'
TOP HOOD=163.09' (E)
F.F.E.=172.63'
F.F.E.=172.78'
F.F.E.=172.77'
F.F.E.=173.28'
F.F.E.=173.27'
F.F.E.=173.45'
F.F.E.=173.70'
CONTROL JOINT (CJ), TYP
CL/BASELINE CROSSWALK
CL BLOCK
CL BLOCK
CL BLOCK
CL BLOCK
CL BLOCK
CL
EJ
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
GRANITE CURB, SEE CIVIL DRAWINGS, TYP.
7 MDS-04 TRASH AND RECYCLING RECEPTACLES
3.00
EQ EQ
6.00
5.30
13.55
6.95
30.80 O.C. PYLON
15.50
20.50
39.05
120+00
121+00
SMH
TF=172.58'
10" PVC FL= 160.03' (S/N)
ARCH STREET
15.75 CL ARCH
20.50
15.50
10.50
15.75
7.00
12.10
L.P. MH #309
PAVEMENT MARKINGS, SEE CIVIL DRAWINGS, TYP.
SAWCUT LINE
CONTROL JOINT (CJ), TYP
GRANITE CURB, SEE CIVIL DRAWINGS,TYP
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.
H.P. VAULT #744
21.00
10.50
10.50
CL ARCH
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
CL FESTOON POLE
CL FESTOON POLE
CL FESTOON POLE
CL/BASELINE CROSSWALK
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
EXISTING LIGHT POLE TO REMAIN
UTILITY COVER, TYP. PROVIDE 3" THICK BRICK RADIAL BORDER AT ALL UTILITY COVERS IN BRICK PAVEMENT.
4 MDS-04 GRANITE BLOCK, TYP.
7 MDS-04 TRASH AND RECYCLING RECEPTACLES, TYP
1 MDS-03 CONCRETE SIDEWALK, TYP.
5 MDS-04 RELOCATED PARKING METER, TYP.
CONC MON FOUND
CONC MON FOUND
CONC MON FOUND
SOUTH CONGREGATIONAL CHURCH
IONAL CHURCH
8B 103
AIN ST

2 MAIN STREET AND ARCH STREET INTERSECTION ENLARGEMENT PLAN

SCALE 1'=10'-0"



4 MDS-03 8 MDS-03 BRICK PAVING PATTERN AT CONCRETE DRIVE APRON, TYP.
4 MDS-04 GRANITE BLOCK, TYP.
8 MDS-06 FESTOON LIGHTS, TYP.
7 MDS-04 TRASH AND RECYCLING RECEPTACLES
9 MDS-03 BRICK PAVING PATTERN AT ACCESSIBLE CURB RAMP, TYP.
3 MDS-03 BRICK PAVER SIDEWALK, TYP.
1 MDS-03 CONCRETE SIDEWALK, TYP.
NEW ACCESSIBLE PARKING SPACE, SEE CIVIL DRAWINGS, TYP.
N/F CITY OF NEW BRITAIN MBL: C8B 343 #105 ARCH ST
'C-L' CB
TF= 170.35'
12" RCP (TOP HOOD)= 166.13' (S)
F.F.E.=171.49'
FRIEND
PROPERTY LINE
6.00
EQ EQ
CL
3.50 TYP
17.95
SAWCUT PAVEMENT, SEE CIVIL DRAWINGS, TYP.
DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS.
ARCH STREET
117+00
8.30
4.85
3.05
21.00
2.95
4.05
15.50
3.50
1 MDS-04 FLEXI-PAVE SYSTEM AT TREE PIT
GRANITE CURB, SEE CIVIL DRAWINGS
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS
EQ EQ
6.00
EJ
F.F.E.=171.22'
F.F.E.=171.20'
CONTROL JOINT (CJ), TYP
CONTROL JOINT (CJ), TYP
#168 ARCH STREET
8 MDS-06 FESTOON LIGHTS, TYP.
10 MDS-03 BRICK PAVING PATTERN AT SIDEWALK BANDING, TYP.
4 MDS-04 GRANITE BLOCK, TYP.
GRANITE CURBING, SEE CIVIL DRAWINGS, TYP.
N/F ISLAMIC ASSOCIATION OF CENTRAL CT INC
EXISTING CURB TO REMAIN, SEE CIVIL DRAWINGS, TYP.

1 CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"

MATERIAL LEGEND

SYMBOL	DESCRIPTION
░	CONCRETE SIDEWALK
▤	BRICK PAVER SIDEWALK
▒	BITUMINOUS CONCRETE PAVEMENT
▨	DECORATIVE STAMPED ASPHALT CROSSWALK, SEE CIVIL DRAWINGS
▦	DETECTABLE WARNING PAVERS AT ACCESSIBLE RAMP
▢	GRANITE BLOCK
═	GRANITE CURB, SEE CIVIL DRAWINGS
═	FLUSH CURB, SEE CIVIL DRAWINGS
o— — —	FESTOON LIGHTING
▬	RELOCATED EXISTING PARKING METER
☼	EXISTING LIGHT POLE TO REMAIN
☼	RELOCATED EXISTING LIGHT POLE

Ⓣ Ⓡ	TRASH AND RECYCLING RECEPTACLE
⊠	PLACEMAKING PYLON
░	FLEXI-PAVE AT TREE PIT
⊕	FIRE HYDRANT
— EJ —	EXPANSION JOINT
¦ CJ	CONTROL JOINT
— —	LIMIT OF WORK LINE (LOWL)
PA	PLANTING AREA
—•—	TRAFFIC SIGNAGE, SEE CIVIL DRAWINGS

LAYOUT LEGEND

— — — —	LIMIT OF WORK	EQ	EQUAL
— - — ℄	CENTERLINE	TYP	TYPICAL
⊕ POB	POINT OF BEGINNING	VIF	VERIFY IN FIELD
←20'→	DIMENSION	FC	FACE OF CURB
R=5'→	RADIUS = 5'	BC	BACK OF CURB
⊓	ALIGN		

NORTH 0 10 20 40

1/24/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\ENLARGEMENT PLANS-2024001_ARCH STREET.DWG.L3.2.

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-Materials Legend ; XR-CIVIL-2024001 ; XR-LA-LEG ; XR-SIGNAGE AND PARKING-2024001 ; XR230194401

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kentfrost.com

ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.

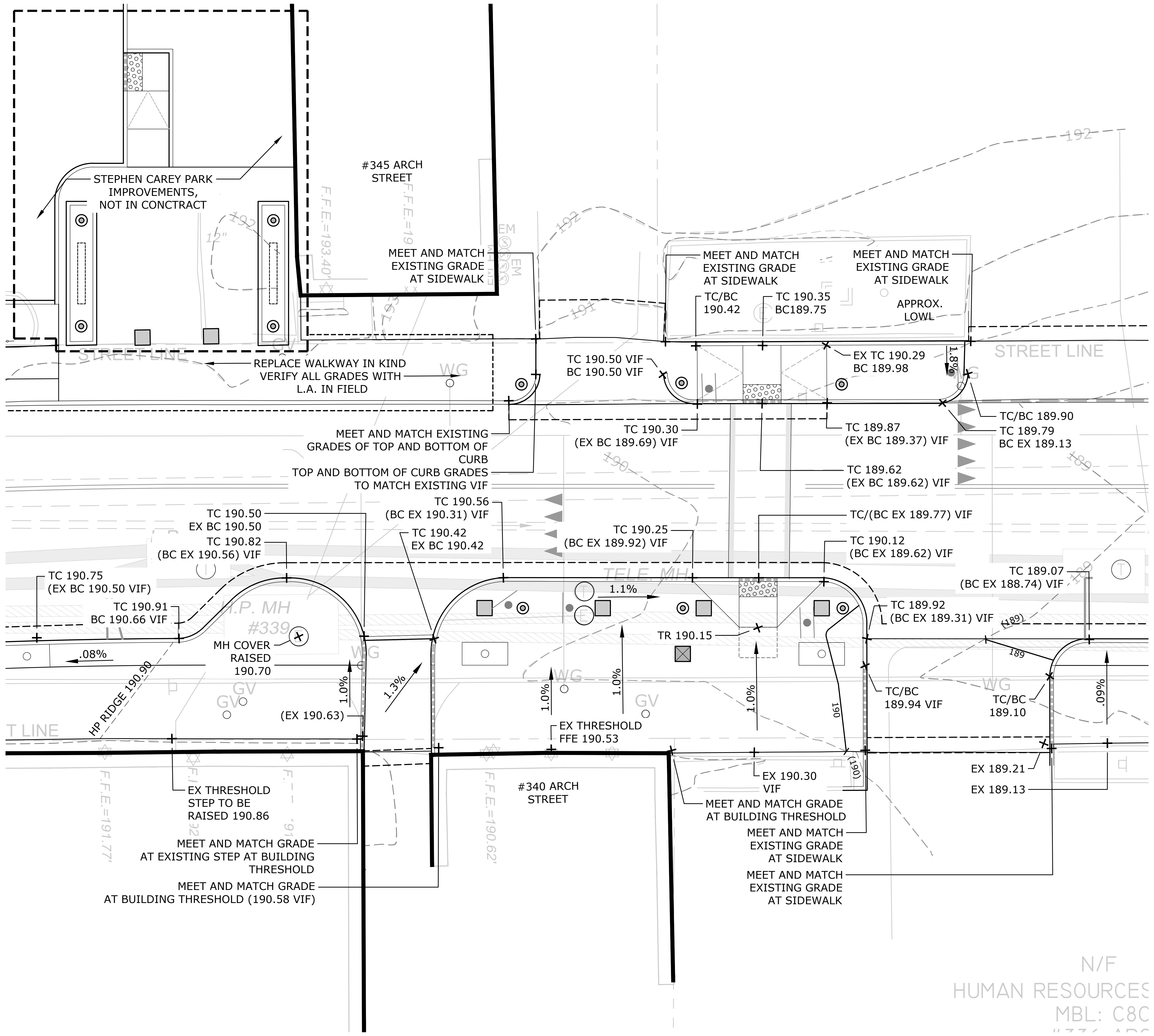
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	ENLARGEMENT PLANS-2024001_ARCH STREET

Title

SITE
ENLARGEMENT
PLAN

Sheet No.

L3.2

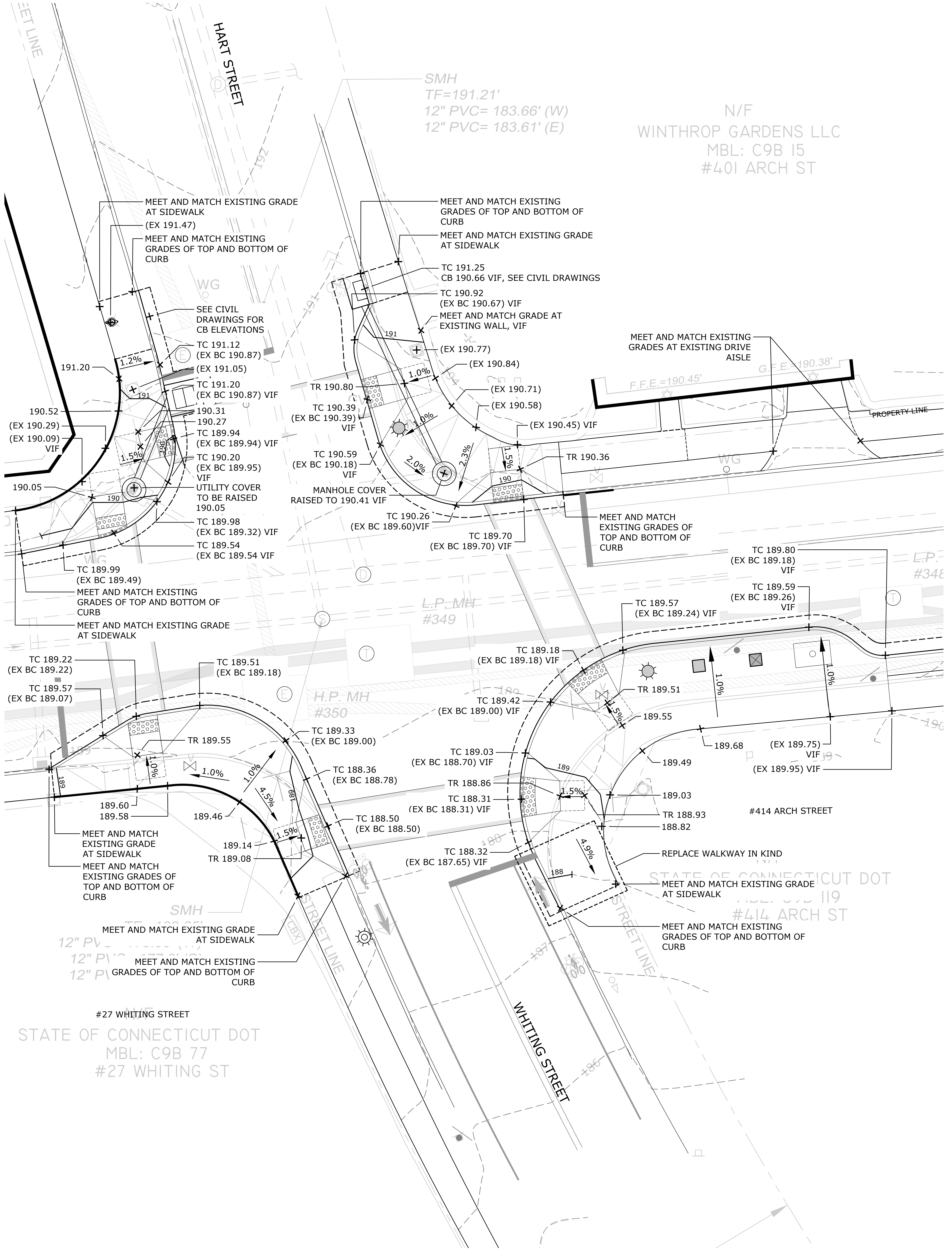

STEPHEN CAREY PARK IMPROVEMENTS, NOT IN CONCTRACT
#345 ARCH STREET
F.F.E.=193.40'
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADE AT SIDEWALK
TC/BC 190.42
TC 190.35 BC189.75
MEET AND MATCH EXISTING GRADE AT SIDEWALK
APPROX. LOWL
STREET LINE
REPLACE WALKWAY IN KIND VERIFY ALL GRADES WITH L.A. IN FIELD
TC 190.50 VIF BC 190.50 VIF
EX TC 190.29 BC 189.98
1.8%
STREET LINE
TC/BC 189.90
TC 189.79 BC EX 189.13
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
TOP AND BOTTOM OF CURB GRADES TO MATCH EXISTING VIF
TC 190.30 (EX BC 189.69) VIF
TC 189.87 (EX BC 189.37) VIF
TC 189.62 (EX BC 189.62) VIF
TC 190.50 EX BC 190.50
TC 190.82 (BC EX 190.56) VIF
TC 190.56 (BC EX 190.31) VIF
TC 190.42 EX BC 190.42
TC 190.25 (BC EX 189.92) VIF
TC/(BC EX 189.77) VIF
TC 190.12 (BC EX 189.62) VIF
TC 189.07 (BC EX 188.74) VIF
TC 190.75 (EX BC 190.50 VIF)
TC 190.91 BC 190.66 VIF
H.P. MH #339
TELE. MH
1.1%
TR 190.15
TC 189.92 (BC EX 189.31) VIF
MH COVER RAISED 190.70
.08%
HP RIDGE 190.90
1.0%
1.3%
1.0%
1.0%
1.0%
.09%
(EX 190.63)
EX THRESHOLD FFE 190.53
TC/BC 189.94 VIF
TC/BC 189.10
T LINE
EX THRESHOLD STEP TO BE RAISED 190.86
#340 ARCH STREET
EX 190.30 VIF
EX 189.21
EX 189.13
MEET AND MATCH GRADE AT BUILDING THRESHOLD
MEET AND MATCH GRADE AT EXISTING STEP AT BUILDING THRESHOLD
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH GRADE AT BUILDING THRESHOLD (190.58 VIF)
F.F.E.=191.77'
F.F.E.=190.62'
N/F HUMAN RESOURCES MBL: C8C

2 CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"

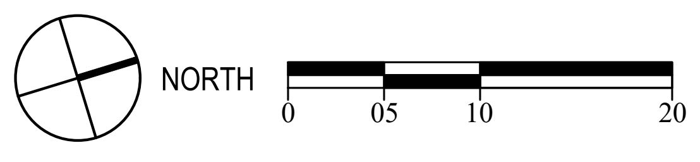
GRADING LEGEND

- - - - -	LIMIT OF WORK	HP	HIGH POINT
‐ ‐ ‐	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


HART STREET
STREET LINE
SMH TF=191.21' 12" PVC= 183.66' (W) 12" PVC= 183.61' (E)
N/F WINTHROP GARDENS LLC MBL: C9B 15 #401 ARCH ST
MEET AND MATCH EXISTING GRADE AT SIDEWALK
(EX 191.47)
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
SEE CIVIL DRAWINGS FOR CB ELEVATIONS
TC 191.12 (EX BC 190.87)
(EX 191.05)
TC 191.20 (EX BC 190.87) VIF
190.31
190.27
TC 189.94 (EX BC 189.94) VIF
TC 190.20 (EX BC 189.95) VIF
UTILITY COVER TO BE RAISED 190.05
TC 189.98 (EX BC 189.32) VIF
TC 189.54 (EX BC 189.54 VIF
191.20
1.2%
190.52
(EX 190.29)
(EX 190.09) VIF
1.5%
190.05
TC 189.99 (EX BC 189.49)
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
MEET AND MATCH EXISTING GRADE AT SIDEWALK
TC 191.25 CB 190.66 VIF, SEE CIVIL DRAWINGS
TC 190.92 (EX BC 190.67) VIF
MEET AND MATCH GRADE AT EXISTING WALL, VIF
(EX 190.77)
(EX 190.84)
(EX 190.71)
(EX 190.58)
(EX 190.45) VIF
TR 190.80
1.0%
TC 190.39 (EX BC 190.39) VIF
1.0%
TC 190.59 (EX BC 190.18) VIF
2.0%
2.3%
1.5%
TR 190.36
MANHOLE COVER RAISED TO 190.41 VIF
TC 190.26 (EX BC 189.60)VIF
TC 189.70 (EX BC 189.70) VIF
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
MEET AND MATCH EXISTING GRADES AT EXISTING DRIVE AISLE
F.F.E.=190.45'
G.F.E.=190.38'
PROPERTY LINE
WG
L.P. MH #349
L.P. #348
TC 189.80 (EX BC 189.18) VIF
TC 189.59 (EX BC 189.26) VIF
TC 189.57 (EX BC 189.24) VIF
TC 189.18 (EX BC 189.18) VIF
TR 189.51
1.0%
1.0%
TC 189.42 (EX BC 189.00) VIF
1.5%
189.55
189.68
(EX 189.75) VIF
(EX 189.95) VIF
TC 189.03 (EX BC 188.70) VIF
189.49
TR 188.86
1.5%
189.03
TC 188.31 (EX BC 188.31) VIF
TR 188.93
188.82
#414 ARCH STREET
TC 188.32 (EX BC 187.65) VIF
4.9%
REPLACE WALKWAY IN KIND
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
STATE OF CONNECTICUT DOT MBL: C9B 119 #414 ARCH ST
TC 189.22 (EX BC 189.22)
TC 189.57 (EX BC 189.07)
TC 189.51 (EX BC 189.18)
H.P. MH #350
TR 189.55
1.0%
1.0%
1.0%
TC 189.33 (EX BC 189.00)
TC 188.36 (EX BC 188.78)
4.5%
189.60
189.58
189.46
TC 188.50 (EX BC 188.50)
1.5%
189.14
TR 189.08
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
SMH
MEET AND MATCH EXISTING GRADE AT SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
#27 WHITING STREET
STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
WHITING STREET
STREET LINE

1 WHITING AND HART STREET INTERSECTION CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.

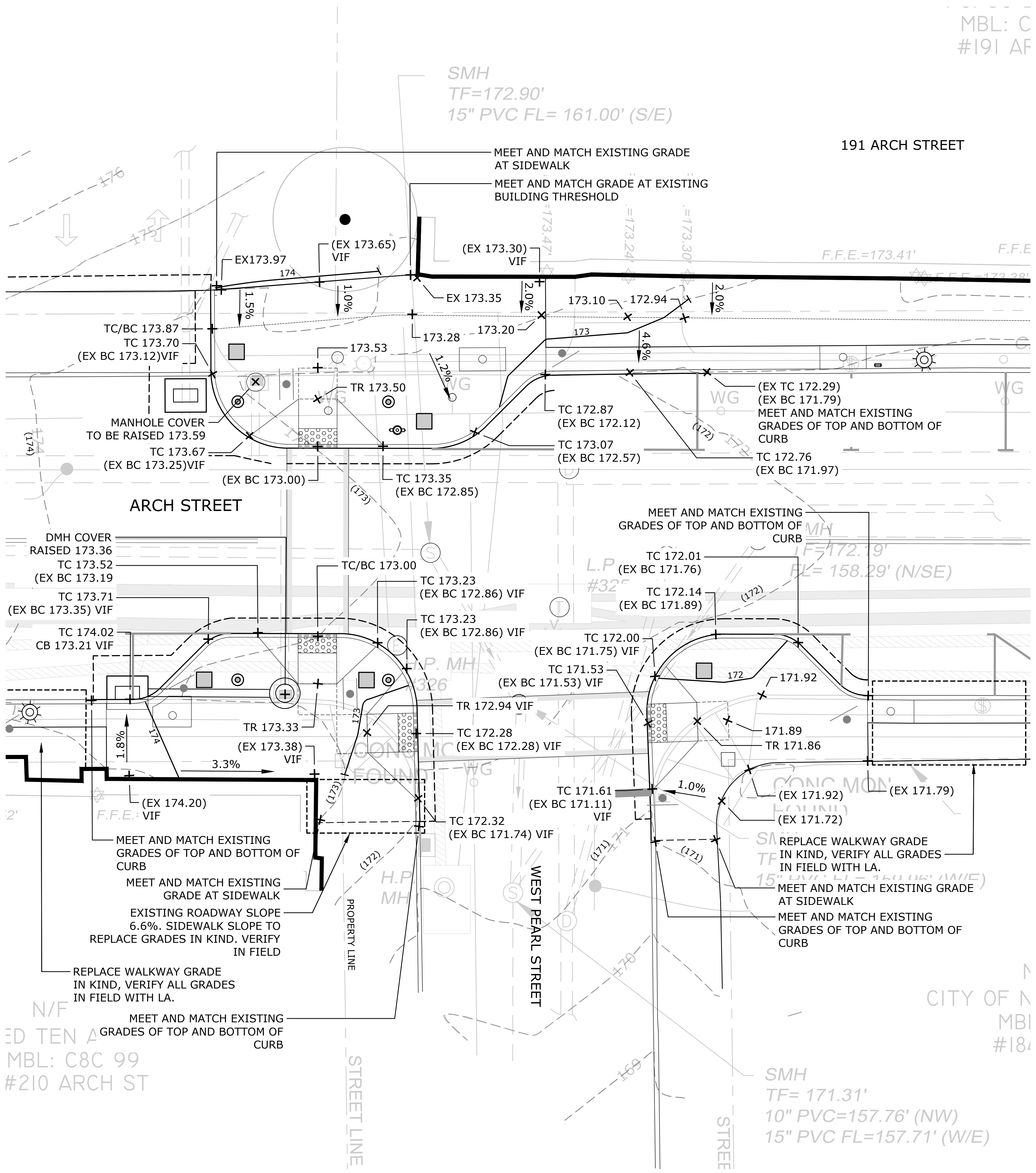
Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	GRADING ENLARGMENT PLANS-2024001_ARCH STREET

Title
SITE GRADING
ENLARGEMENT
PLAN

Sheet No.
L4.0

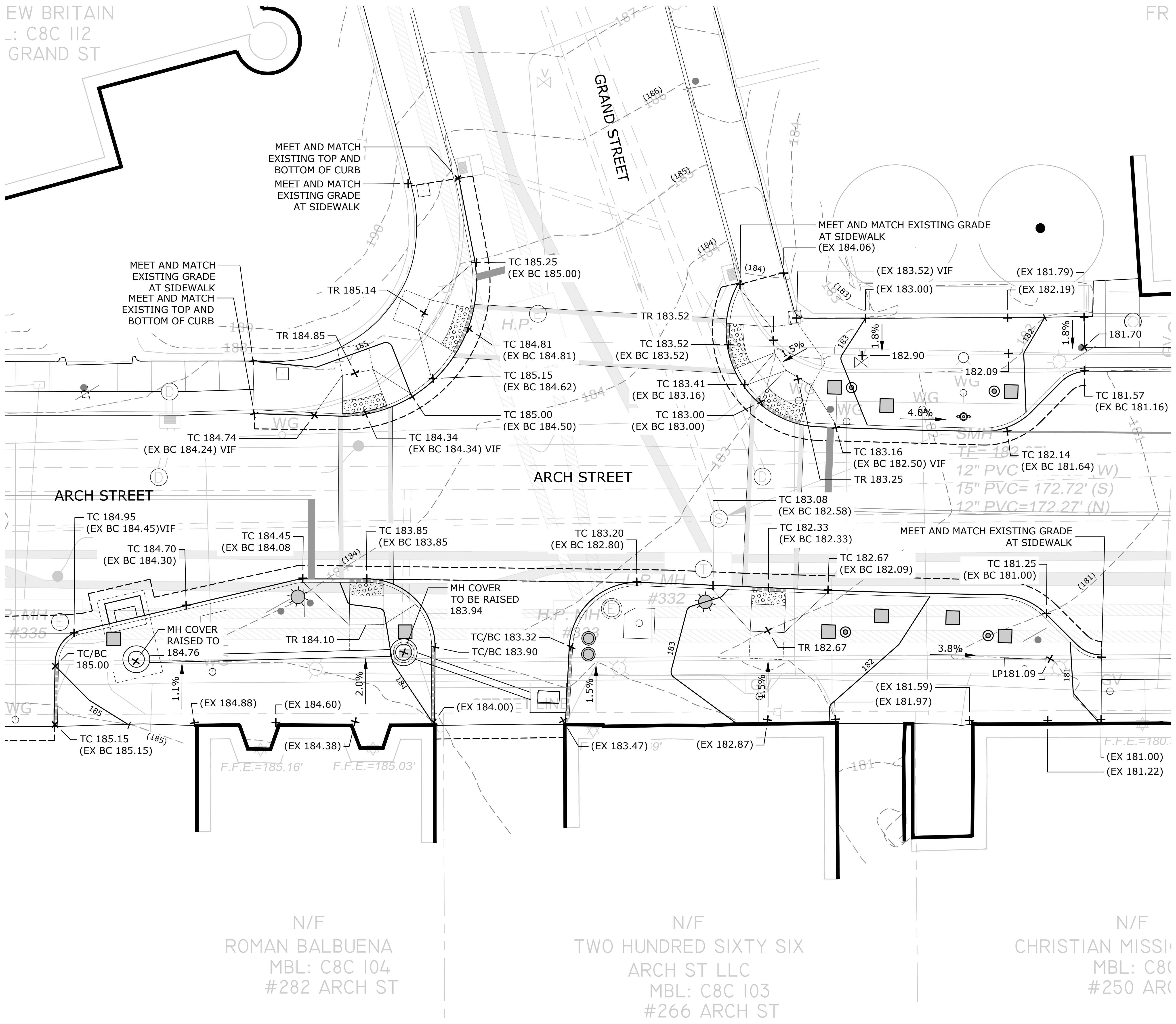
Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-CIVIL-2024001 ; XR-GR-LEG ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\GRADING ENLARGMENT PLANS-2024001_ARCH STREET.DWG.L4.0.



2 WEST PEARL STREET INTERSECTION ENLARGEMENT PLAN

SCALE 1'=10'-0"

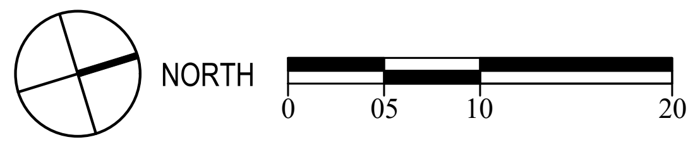


1 GRAND STREET INTERSECTION CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'=10'-0"

GRADING LEGEND

- - - - - -	LIMIT OF WORK	HP	HIGH POINT
⁓	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



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

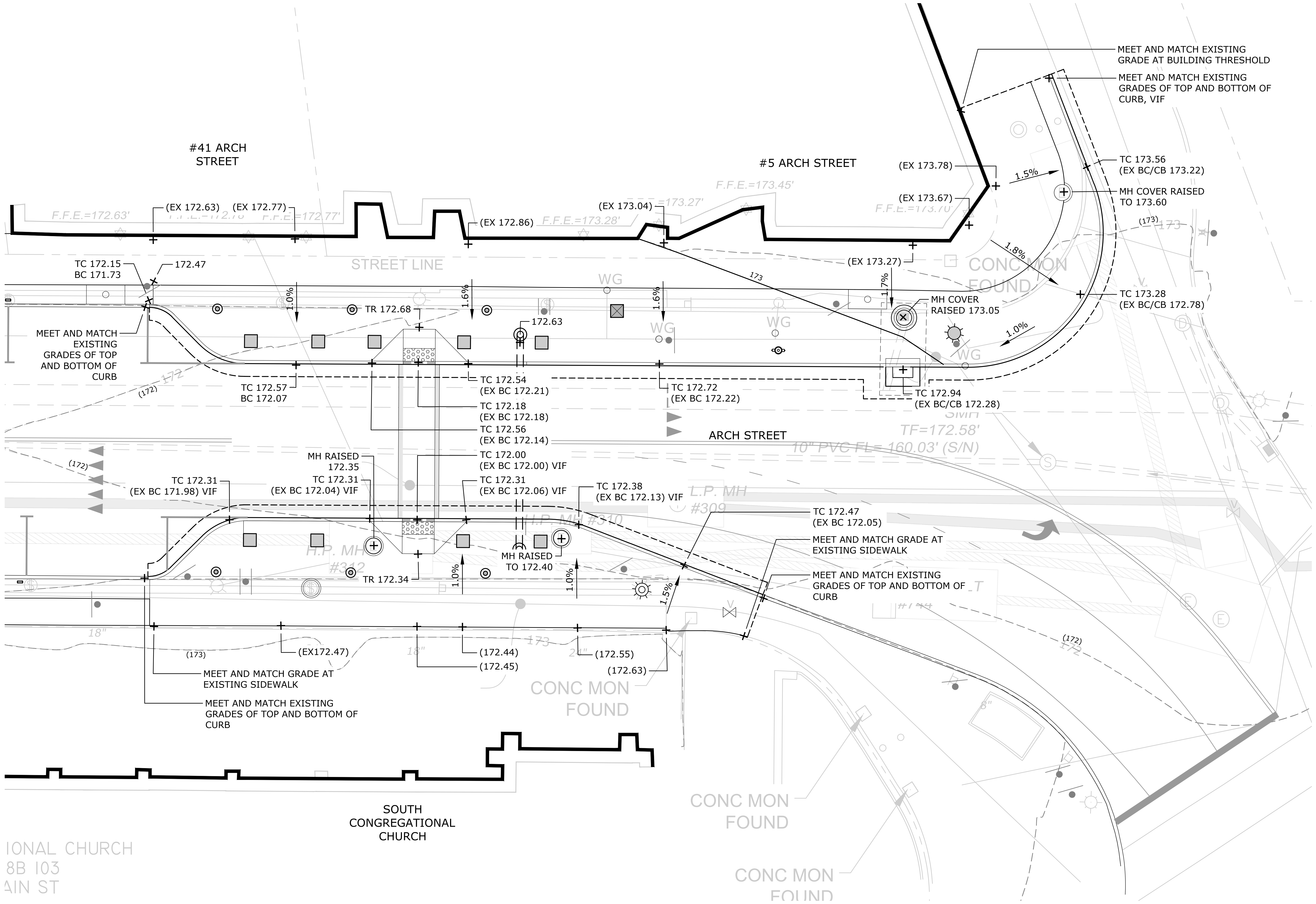
LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

REVISIONS
No. Date Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	GRADING ENLARGMENT PLANS-2024001_ARCH STREET

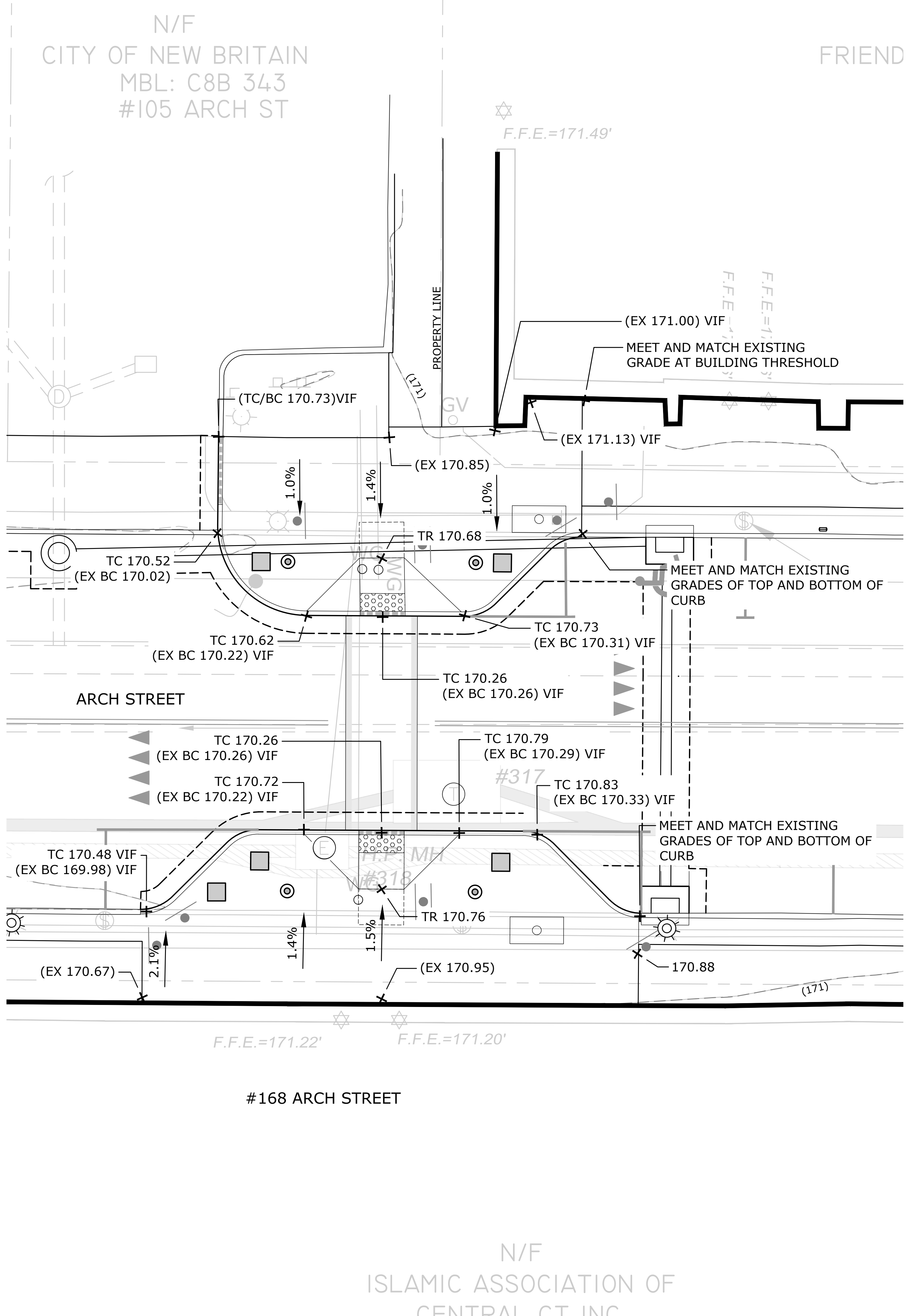
Title
SITE GRADING ENLARGMENT PLAN

Sheet No.
L4.1


MEET AND MATCH EXISTING GRADE AT BUILDING THRESHOLD
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB, VIF
#41 ARCH STREET
#5 ARCH STREET
(EX 173.78)
1.5%
TC 173.56 (EX BC/CB 173.22)
MH COVER RAISED TO 173.60
(EX 173.67)
F.F.E.=173.45'
(EX 173.04)
F.F.E.=172.63'
(EX 172.63)
(EX 172.77)
F.F.E.=172.77'
(EX 172.86)
F.F.E.=173.28'
(173)
1.8%
(EX 173.27)
CONC MON FOUND
TC 173.28 (EX BC/CB 172.78)
STREET LINE
TC 172.15 BC 171.73
172.47
1.0%
TR 172.68
1.6%
1.6%
WG
1.7%
MH COVER RAISED 173.05
172.63
1.0%
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
TC 172.57 BC 172.07
(172)
TC 172.54 (EX BC 172.21)
TC 172.18 (EX BC 172.18)
TC 172.56 (EX BC 172.14)
TC 172.72 (EX BC 172.22)
TC 172.94 (EX BC/CB 172.28)
ARCH STREET
TF=172.58'
10" PVC FL= 160.03' (S/N)
MH RAISED 172.35
TC 172.31 (EX BC 171.98) VIF
TC 172.31 (EX BC 172.04) VIF
TC 172.00 (EX BC 172.00) VIF
TC 172.31 (EX BC 172.06) VIF
TC 172.38 (EX BC 172.13) VIF
L.P. MH #309
TC 172.47 (EX BC 172.05)
MEET AND MATCH GRADE AT EXISTING SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
H.P. MH #312
MH RAISED TO 172.40
TR 172.34
1.0%
1.0%
1.5%
18"
(173)
(EX172.47)
(172.44)
(172.45)
(172.55)
(172.63)
(172)
MEET AND MATCH GRADE AT EXISTING SIDEWALK
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
CONC MON FOUND
SOUTH CONGREGATIONAL CHURCH
IONAL CHURCH
8B 103
AIN ST
CONC MON FOUND
CONC MON FOUND

2 MAIN STREET AND ARCH STREET INTERSECTION ENLARGEMENT PLAN

SCALE 1'=10'-0"

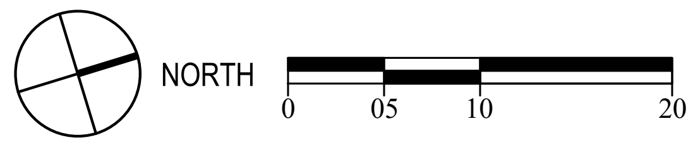

N/F
CITY OF NEW BRITAIN
MBL: C8B 343
#105 ARCH ST
FRIEND
F.F.E.=171.49'
PROPERTY LINE
(EX 171.00) VIF
MEET AND MATCH EXISTING GRADE AT BUILDING THRESHOLD
(TC/BC 170.73)VIF
(EX 171.13) VIF
(EX 170.85)
1.0%
1.4%
1.0%
TR 170.68
TC 170.52 (EX BC 170.02)
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
TC 170.73 (EX BC 170.31) VIF
TC 170.62 (EX BC 170.22) VIF
TC 170.26 (EX BC 170.26) VIF
ARCH STREET
TC 170.26 (EX BC 170.26) VIF
TC 170.79 (EX BC 170.29) VIF
TC 170.72 (EX BC 170.22) VIF
TC 170.83 (EX BC 170.33) VIF
MEET AND MATCH EXISTING GRADES OF TOP AND BOTTOM OF CURB
TC 170.48 VIF (EX BC 169.98) VIF
TR 170.76
2.1%
1.4%
1.5%
(EX 170.67)
(EX 170.95)
170.88
(171)
F.F.E.=171.22'
F.F.E.=171.20'
#168 ARCH STREET
N/F
ISLAMIC ASSOCIATION OF
CENTRAL CT INC

1 CURB EXTENSION ENLARGEMENT PLAN

SCALE 1'-10'-0"

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



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ARCH STREET COMPLETE STREETS IMPROVEMENTS

LOTCIP NO: L0088-0005
NEW BRITAIN, CONNECTICUT

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-CIVIL-2024001 ; XR-GR-LEG ; XR-SIGNAGE AND PARKING-2024001

REVISIONS

No.	Date	Desc.

Designed	
Drawn	AB
Reviewed	BK
Scale	AS SHOWN
Project No.	2301944
Date	01/24/25
CAD File:	GRADING ENLARGMENT PLANS-2024001_ARCH STREET

Title

SITE GRADING
ENLARGEMENT
PLAN

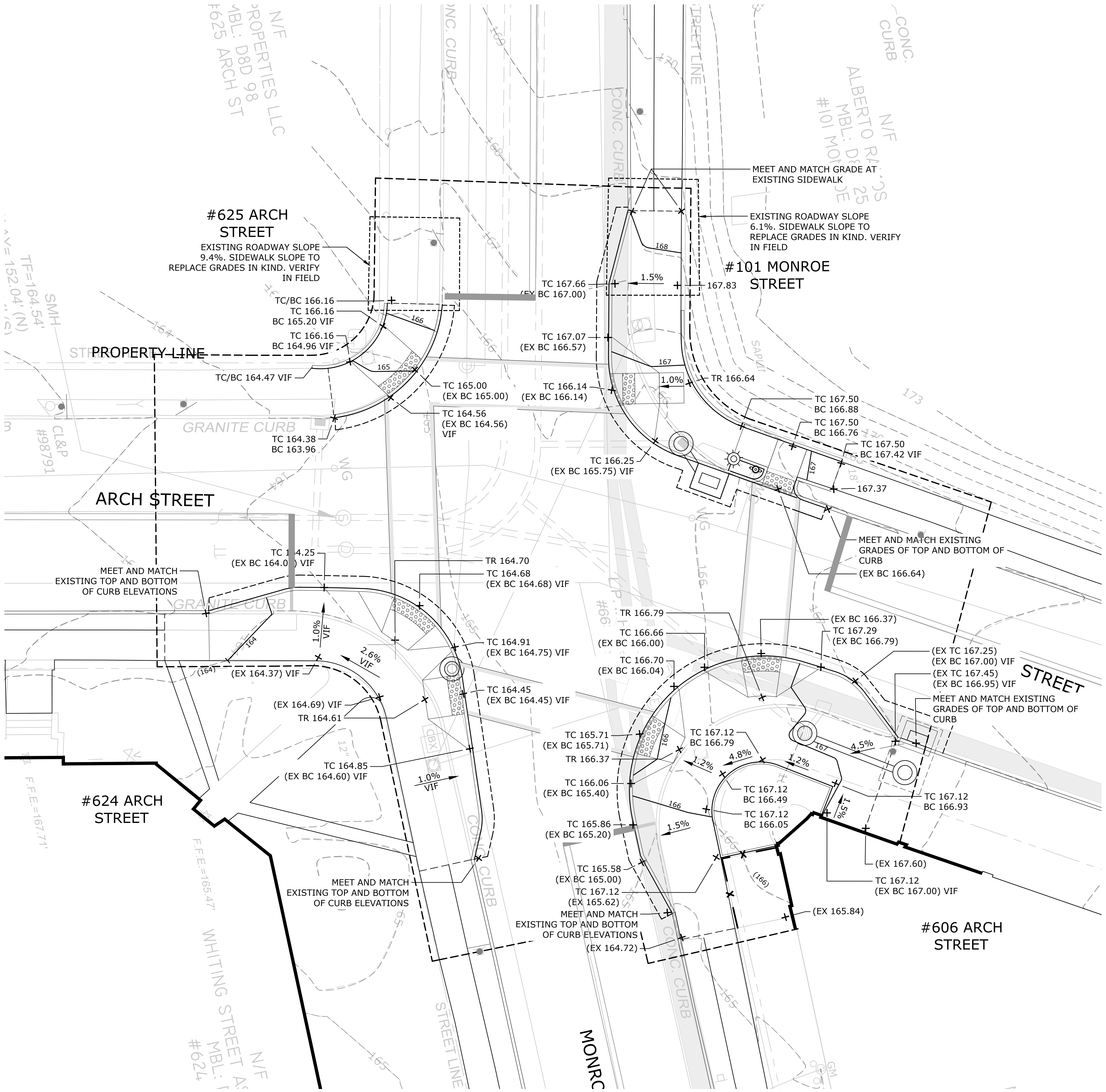
Sheet No.

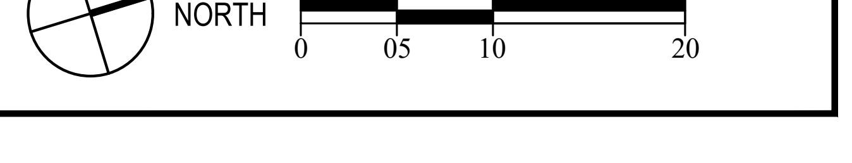
L4.2

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\GRADING ENLARGMENT PLANS-2024001_ARCH STREET.DWG,L4.2.

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





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SITE GRADING
ENLARGEMENT
PLAN

Sheet No.

L4.3

1/20/2025, ANDREABARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\GRADING ENLARGMENT PLANS-2024001_ARCH STREET.DWG.L4.3.

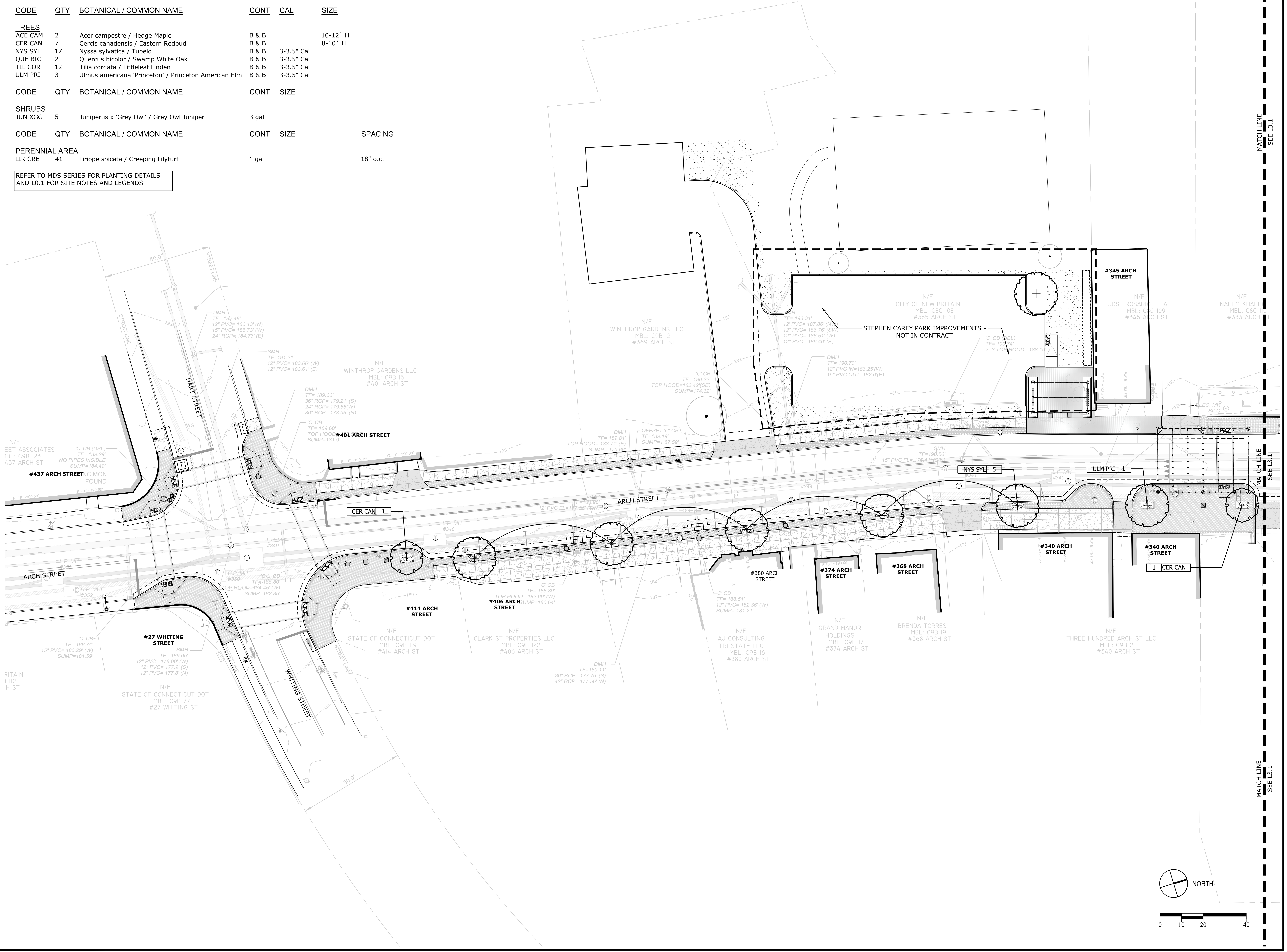
PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES					
ACE CAM	2	Acer campestre / Hedge Maple	B & B		10-12` H
CER CAN	7	Cercis canadensis / Eastern Redbud	B & B		8-10` H
NYS SYL	17	Nyssa sylvatica / Tupelo	B & B	3-3.5" Cal	
QUE BIC	2	Quercus bicolor / Swamp White Oak	B & B	3-3.5" Cal	
TIL COR	12	Tilia cordata / Littleleaf Linden	B & B	3-3.5" Cal	
ULM PRI	3	Ulmus americana 'Princeton' / Princeton American Elm	B & B	3-3.5" Cal	

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS				
JUN XGG	5	Juniperus x 'Grey Owl' / Grey Owl Juniper	3 gal	

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING
PERENNIAL AREA					
LIR CRE	41	Liriope spicata / Creeping Lilyturf	1 gal		18" o.c.

REFER TO MDS SERIES FOR PLANTING DETAILS
AND L0.1 FOR SITE NOTES AND LEGENDS


STEPHEN CAREY PARK IMPROVEMENTS -
NOT IN CONTRACT
#345 ARCH STREET
#401 ARCH STREET
#437 ARCH STREET
HART STREET
ARCH STREET
ARCH STREET
CER CAN 1
NYS SYL 5
ULM PRI 1
1 CER CAN
#340 ARCH STREET
#340 ARCH STREET
#368 ARCH STREET
#374 ARCH STREET
#380 ARCH STREET
#406 ARCH STREET
#414 ARCH STREET
#27 WHITING STREET
WHITING STREET
N/F WINTHROP GARDENS LLC MBL: C9B 12 #369 ARCH ST
N/F WINTHROP GARDENS LLC MBL: C9B 15 #401 ARCH ST
N/F CITY OF NEW BRITAIN MBL: C8C 108 #355 ARCH ST
N/F JOSE ROSARIO ET AL MBL: C8C 109 #345 ARCH ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 119 #414 ARCH ST
N/F CLARK ST PROPERTIES LLC MBL: C9B 122 #406 ARCH ST
N/F AJ CONSULTING TRI-STATE LLC MBL: C9B 16 #380 ARCH ST
N/F GRAND MANOR HOLDINGS MBL: C9B 17 #374 ARCH ST
N/F BRENDA TORRES MBL: C9B 19 #368 ARCH ST
N/F THREE HUNDRED ARCH ST LLC MBL: C9B 21 #340 ARCH ST
N/F STATE OF CONNECTICUT DOT MBL: C9B 77 #27 WHITING ST
MATCH LINE SEE L3.1
MATCH LINE SEE L3.1
MATCH LINE SEE L3.1
NORTH
0 10 20 40

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NEW BRITAIN, CONNECTICUT

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Title
SITE PLANTING PLAN

Sheet No.
L5.0

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-SIGNAGE AND PARKING-2024001

1/20/2025, ANDREA.BARELLA, Z:\2024001_ARCH ST\MAIN\LAYOUT\SP-2024001_ARCH STREET.DWG L5.0

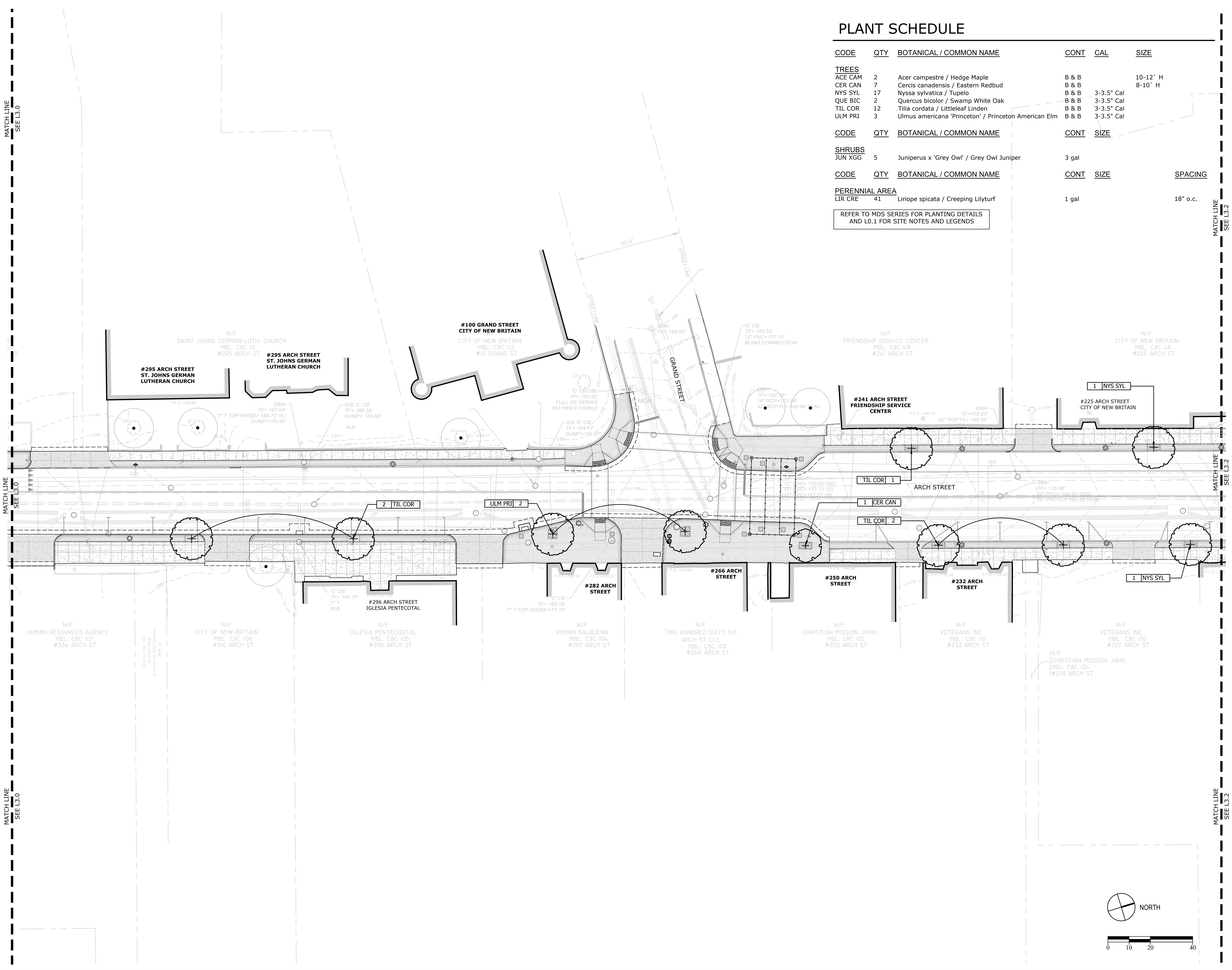
PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES					
ACE CAM	2	Acer campestre / Hedge Maple	B & B		10-12` H
CER CAN	7	Cercis canadensis / Eastern Redbud	B & B		8-10` H
NYS SYL	17	Nyssa sylvatica / Tupelo	B & B	3-3.5" Cal	
QUE BIC	2	Quercus bicolor / Swamp White Oak	B & B	3-3.5" Cal	
TIL COR	12	Tilia cordata / Littleleaf Linden	B & B	3-3.5" Cal	
ULM PRI	3	Ulmus americana 'Princeton' / Princeton American Elm	B & B	3-3.5" Cal	

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS				
JUN XGG	5	Juniperus x 'Grey Owl' / Grey Owl Juniper	3 gal	

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING
PERENNIAL AREA					
LIR CRE	41	Liriope spicata / Creeping Lilyturf	1 gal		18" o.c.

REFER TO MDS SERIES FOR PLANTING DETAILS
AND L0.1 FOR SITE NOTES AND LEGENDS



ARCH STREET COMPLETE STREETS IMPROVEMENTS

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No. Date Desc.

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Title
SITE PLANTING PLAN

Sheet No.
L5.1

Xref (s): ; xs-2024001-Arch Street ; xt-2024001-Arch Street ; xb-2024001-Arch Street ; XR-SIGNAGE AND PARKING-2024001

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PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES					
ACE CAM	2	Acer campestre / Hedge Maple	B & B		10-12` H
CER CAN	7	Cercis canadensis / Eastern Redbud	B & B		8-10` H
NYS SYL	17	Nyssa sylvatica / Tupelo	B & B	3-3.5" Cal	
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CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
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CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING
PERENNIAL AREA					
LIR CRE	41	Liriope spicata / Creeping Lilyturf	1 gal		18" o.c.

REFER TO MDS SERIES FOR PLANTING DETAILS
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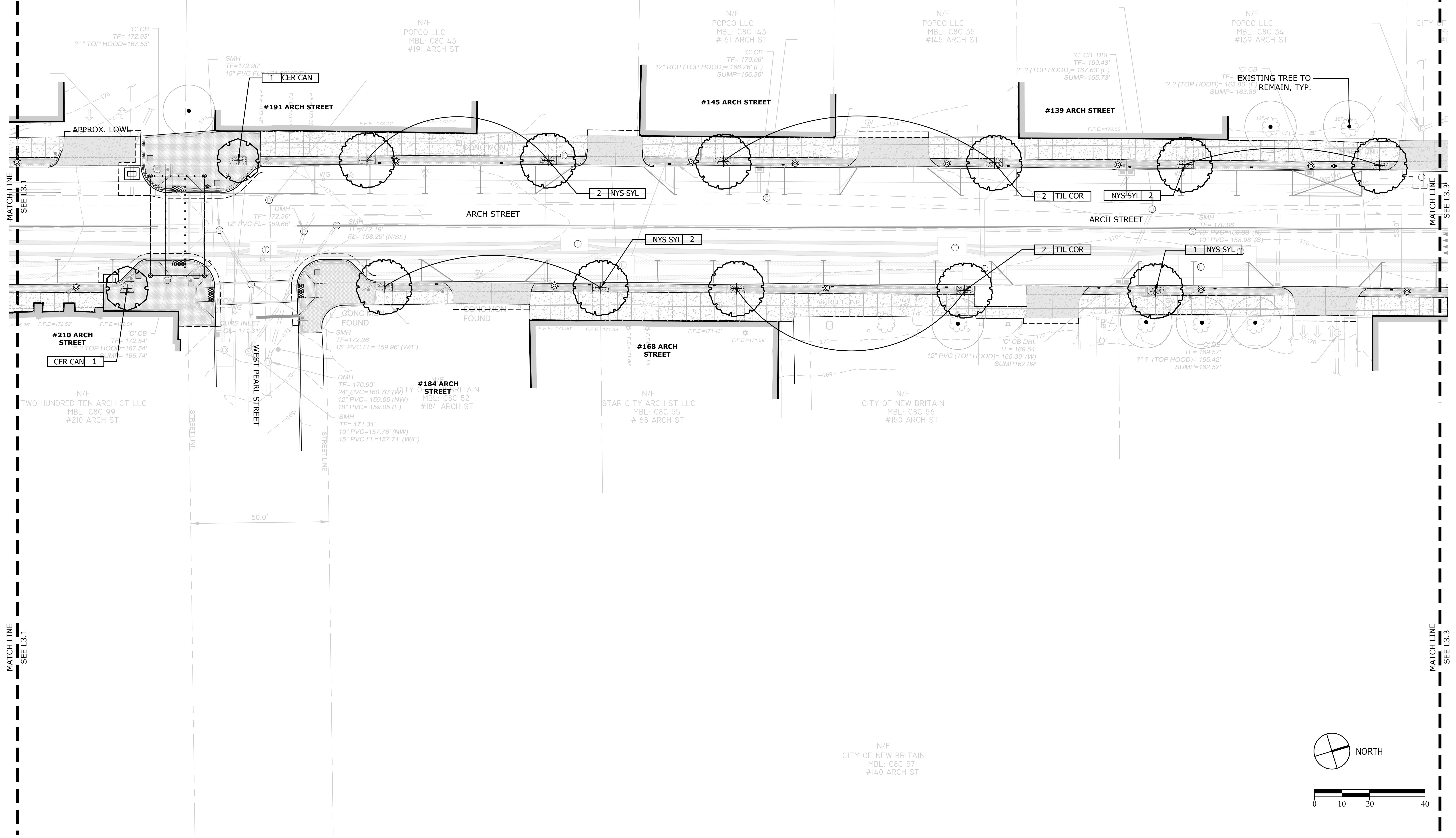

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L5.2

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CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
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PERENNIAL AREA					
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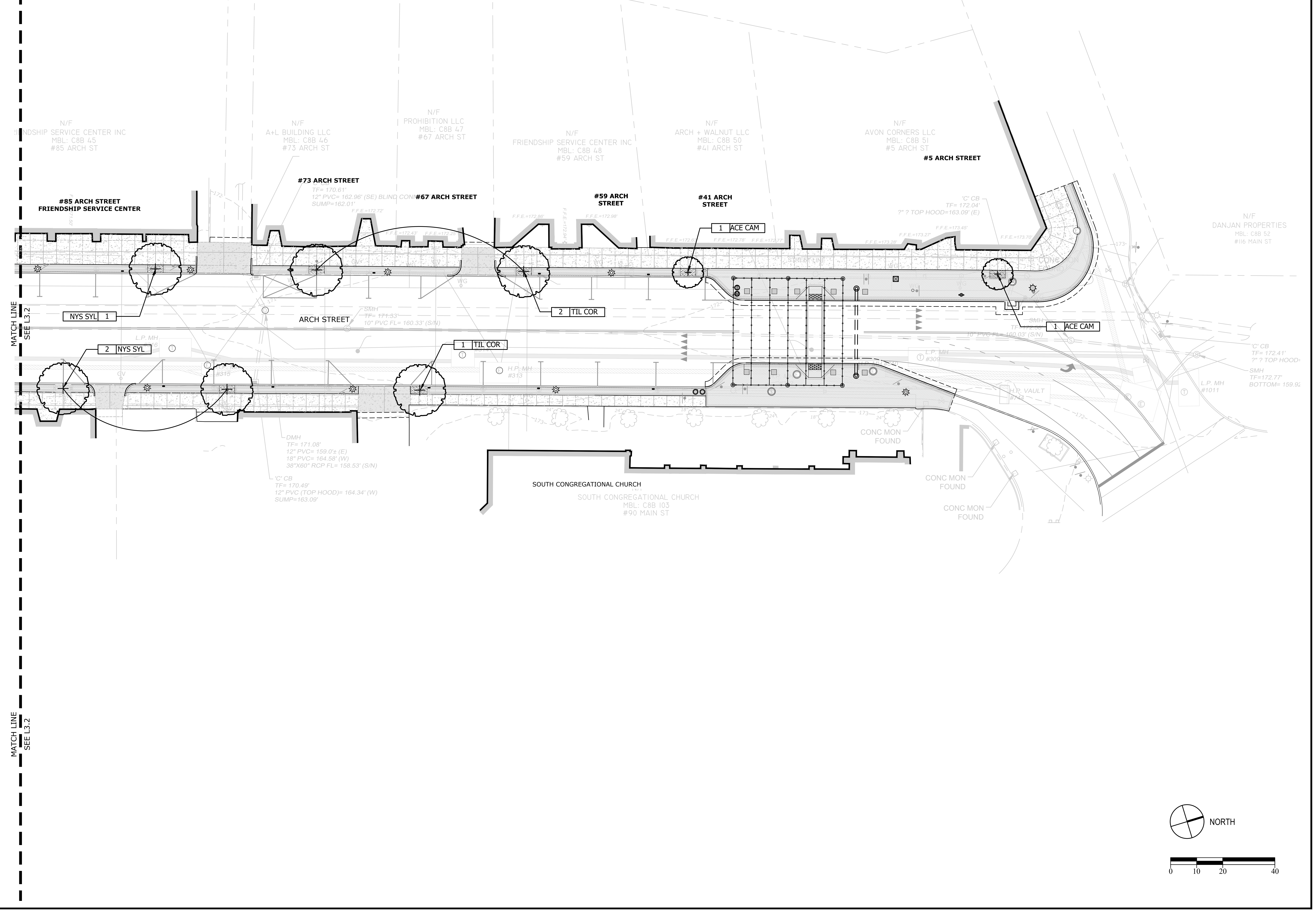

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Title
SITE PLANTING PLAN

Sheet No.
L5.3

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CER CAN	7	Cercis canadensis / Eastern Redbud	B & B		8-10` H
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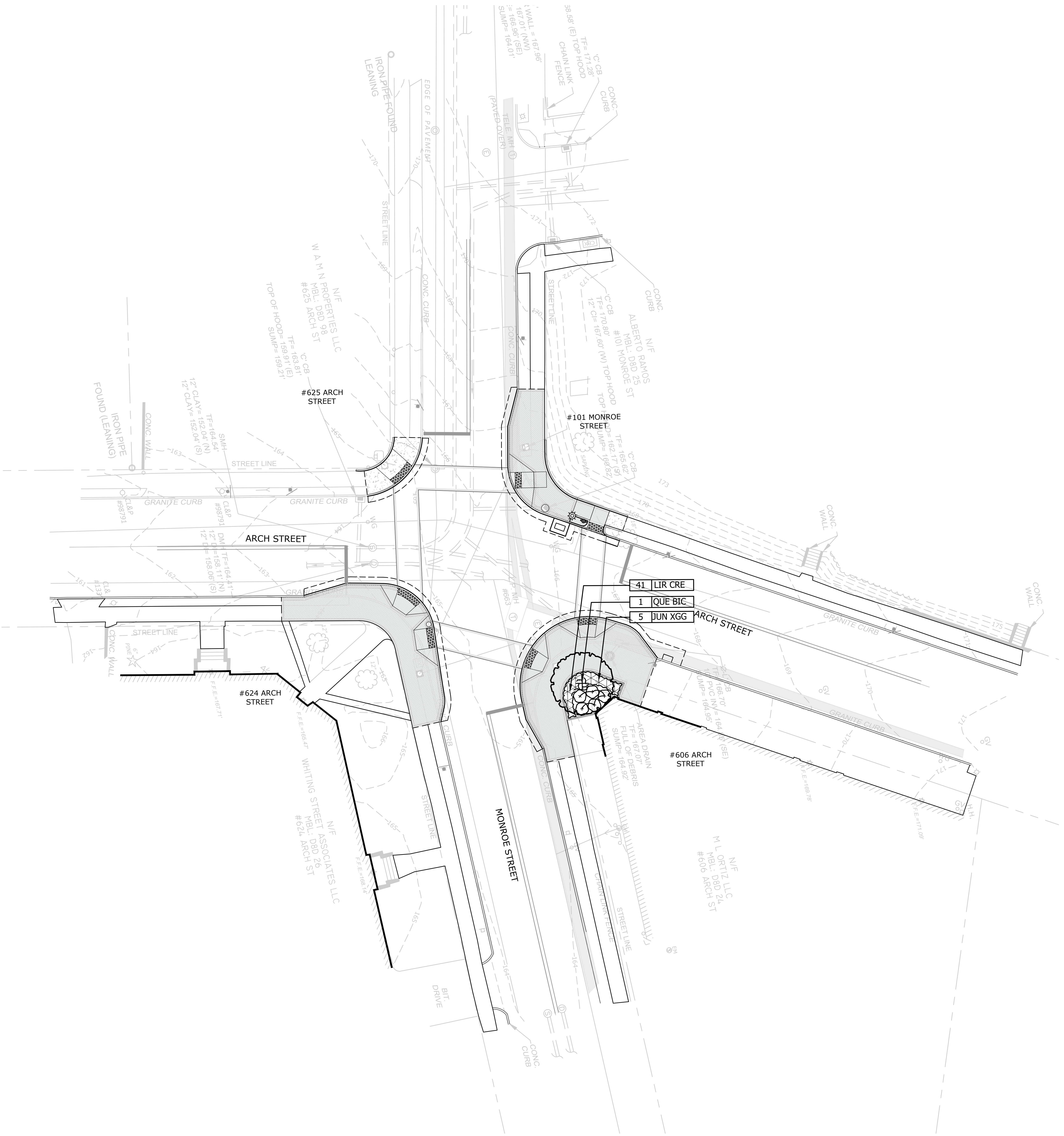

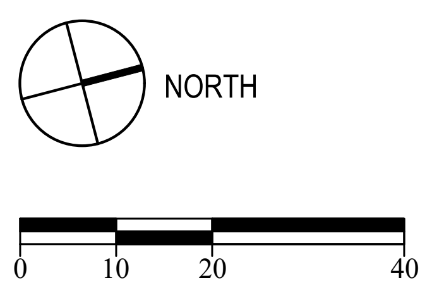

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Title
SITE PLANTING PLAN

Sheet No.
L5.4

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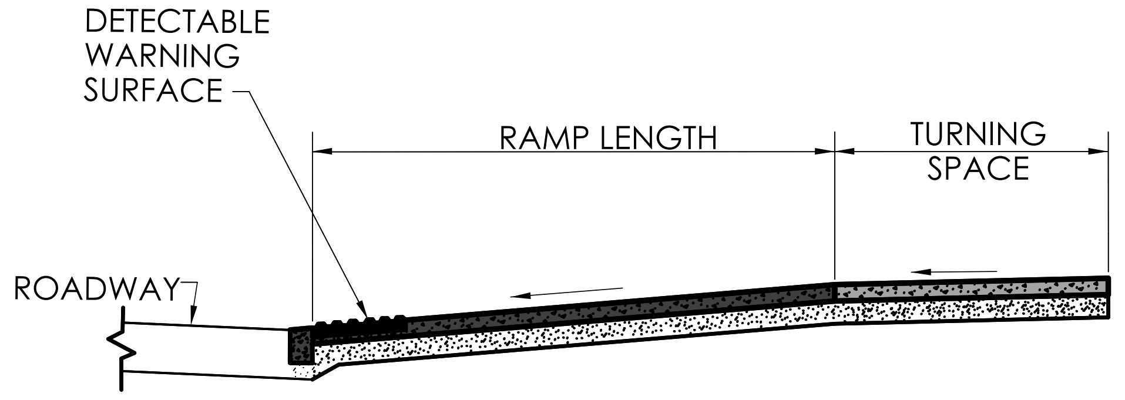
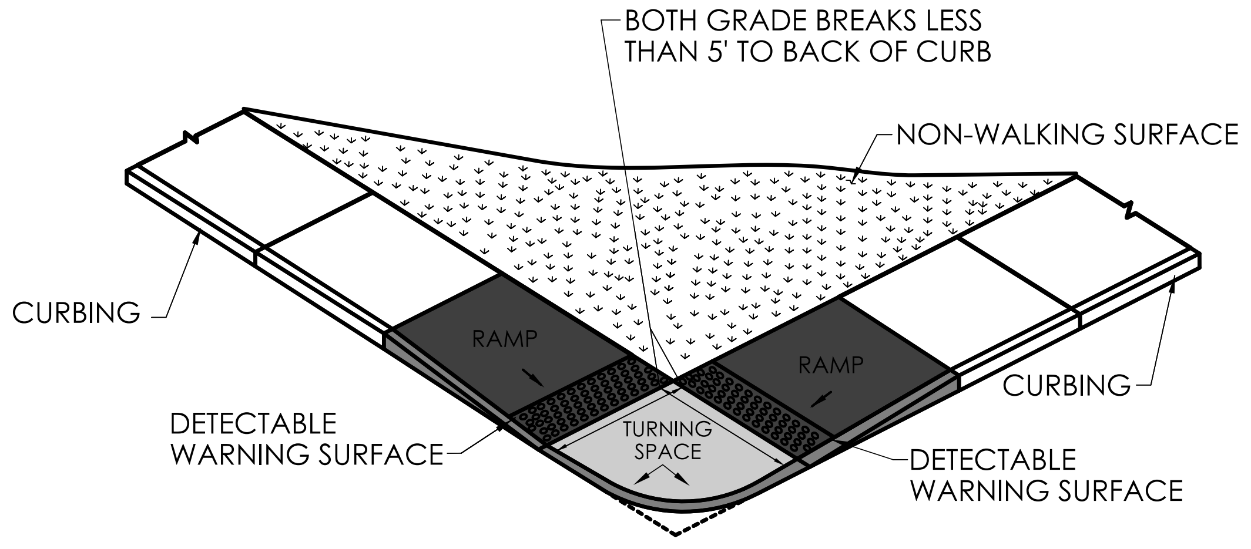


BASIC RAMP ATTRIBUTES

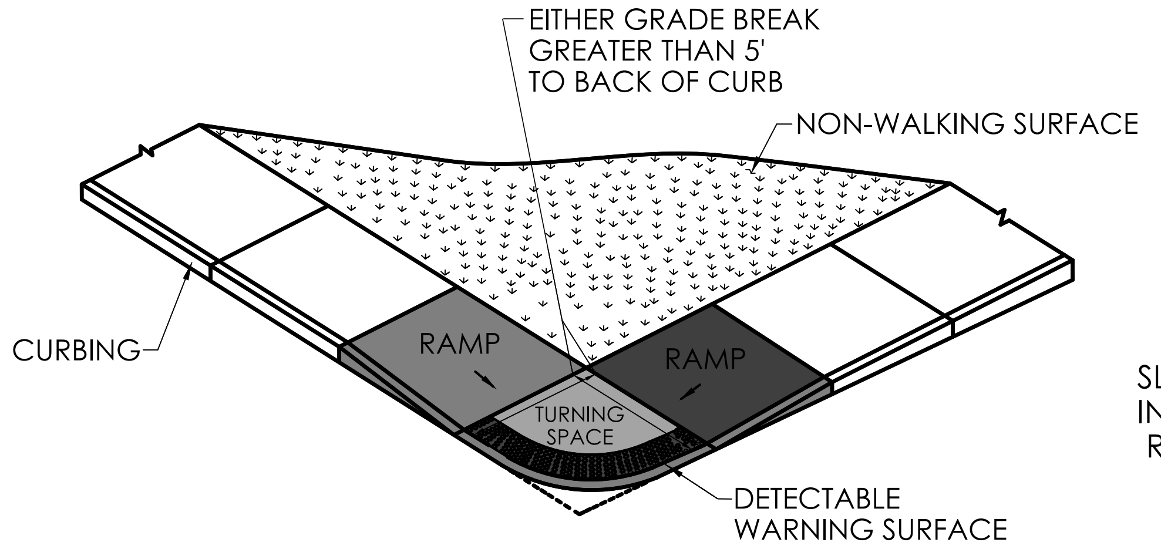
- PLAN VIEW OF RAMP COMPONENTS
- SECTION VIEW OF TYPICAL RAMP
- WHEELCHAIR CROSS-SLOPE CRITERIA
- RAMP WARPING DETAIL
- GUTTER COUNTER SLOPE DETAILS
- GRADE BREAK DETAILS


BOTH GRADE BREAKS LESS THAN 5' TO BACK OF CURB
NON-WALKING SURFACE
CURBING
RAMP
RAMP
CURBING
DETECTABLE WARNING SURFACE
TURNING SPACE
DETECTABLE WARNING SURFACE

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

TYPE 1 SIDEWALK ABUTS ROADWAY

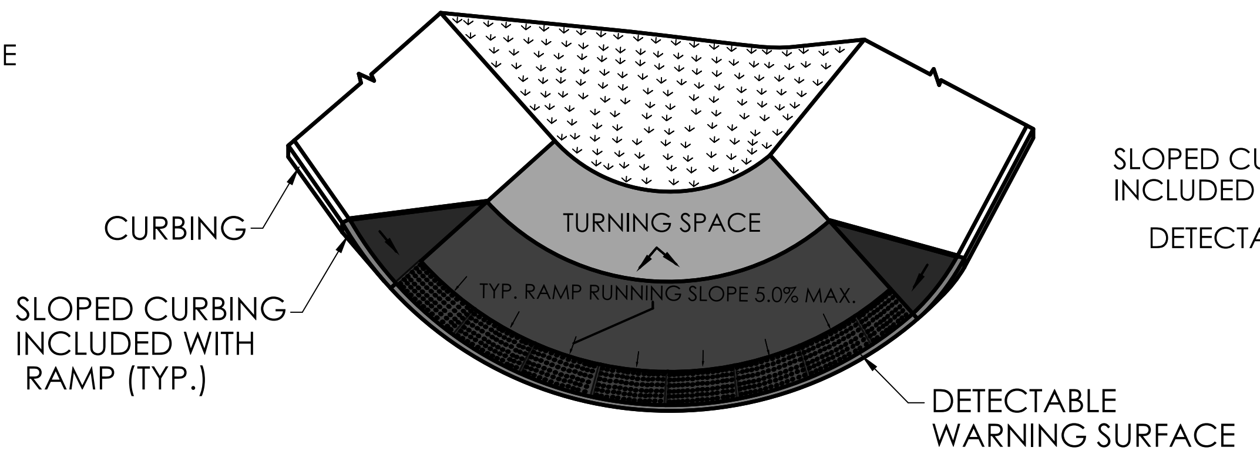
TYPE 3 SIDEWALK SEPARATED FROM ROADWAY
WITH NONWALK AREA


EITHER GRADE BREAK GREATER THAN 5' TO BACK OF CURB
NON-WALKING SURFACE
CURBING
RAMP
RAMP
TURNING SPACE
DETECTABLE WARNING SURFACE

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

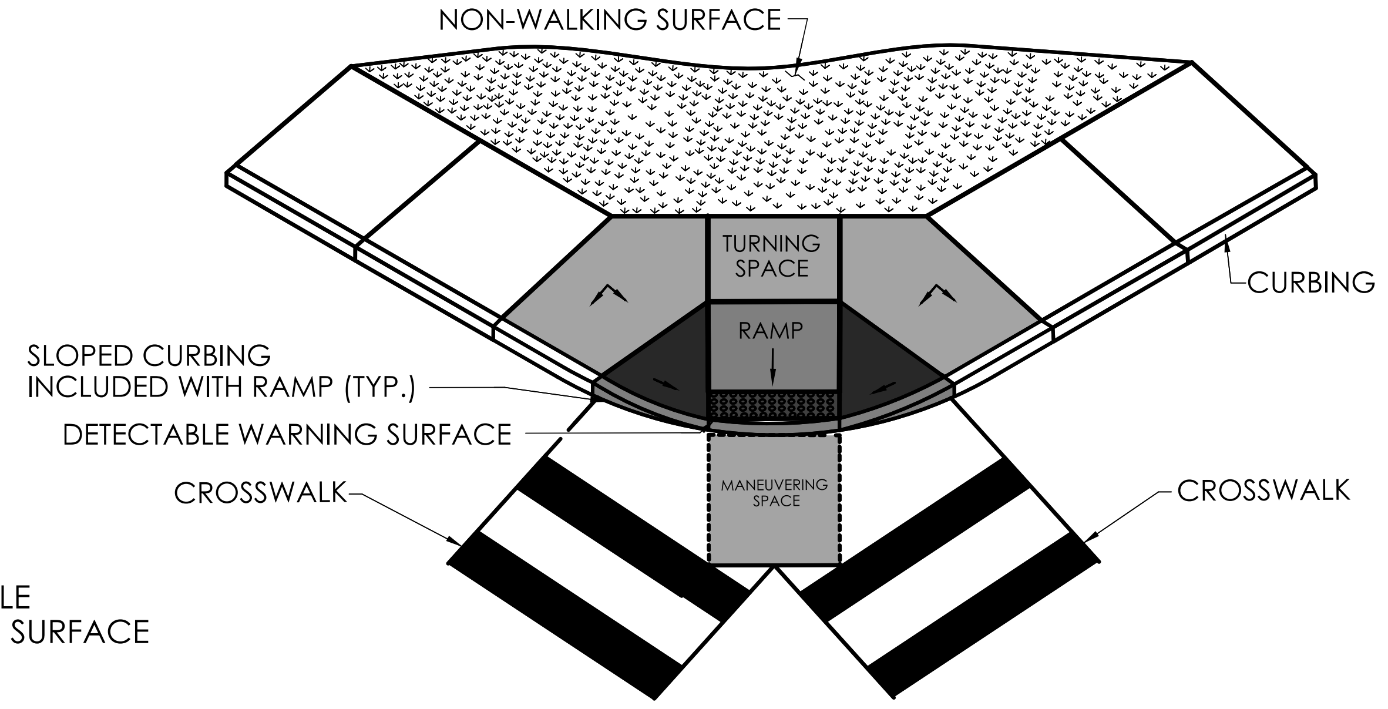
TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY
WITH NONWALK AREA


CURBING
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
TURNING SPACE
TYP. RAMP RUNNING SLOPE 5.0% MAX.
DETECTABLE WARNING SURFACE

BLENDED RAMP WITH TURNING SPACE AT THE TOP

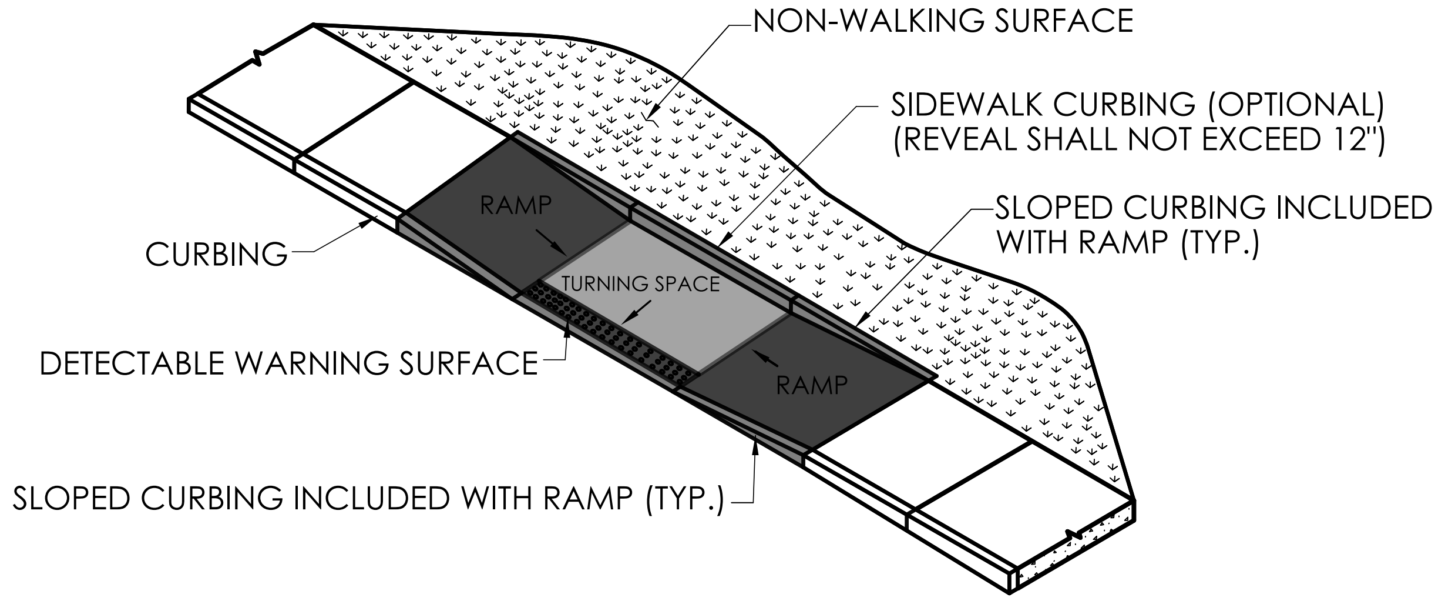
TYPE 5 SIDEWALK ABUTS ROADWAY



PERPENDICULAR RAMP(S) WITH STREET MANEUVERING SPACE

TYPE 6 TURNING SPACE OBSTRUCTION PRESENT

TYPE 7 NO TURNING SPACE OBSTRUCTION

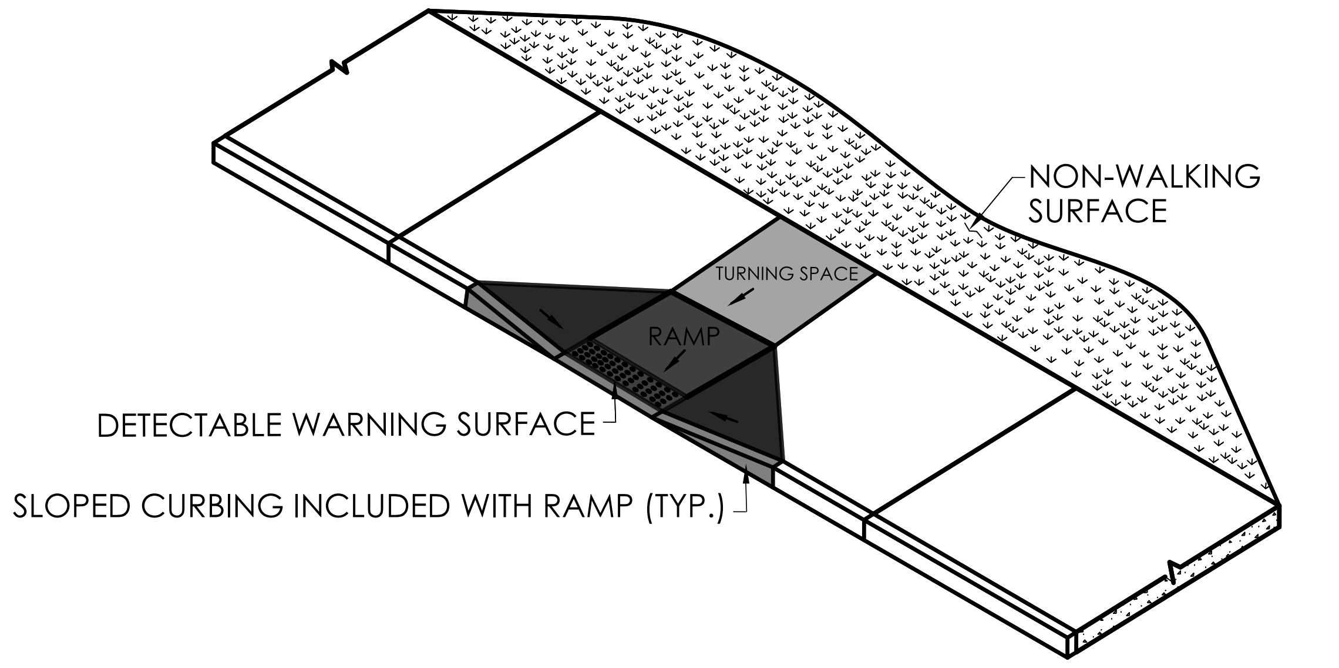

NON-WALKING SURFACE
SIDEWALK CURBING (OPTIONAL) (REVEAL SHALL NOT EXCEED 12")
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
CURBING
RAMP
TURNING SPACE
RAMP
DETECTABLE WARNING SURFACE
SLOPED CURBING INCLUDED WITH RAMP (TYP.)

PARALLEL RAMP(S)

TYPE 9 TWO RAMP(S) APPROACH TO TURNING SPACE

TYPE 10a SINGLE RAMP WITH TURNING SPACE
CONSTRAINED ON ONE SIDE

TYPE 10b SINGLE RAMP CONSTRAINED ON TWO (2)
OR MORE SIDES


NON-WALKING SURFACE
TURNING SPACE
RAMP
DETECTABLE WARNING SURFACE
SLOPED CURBING INCLUDED WITH RAMP (TYP.)

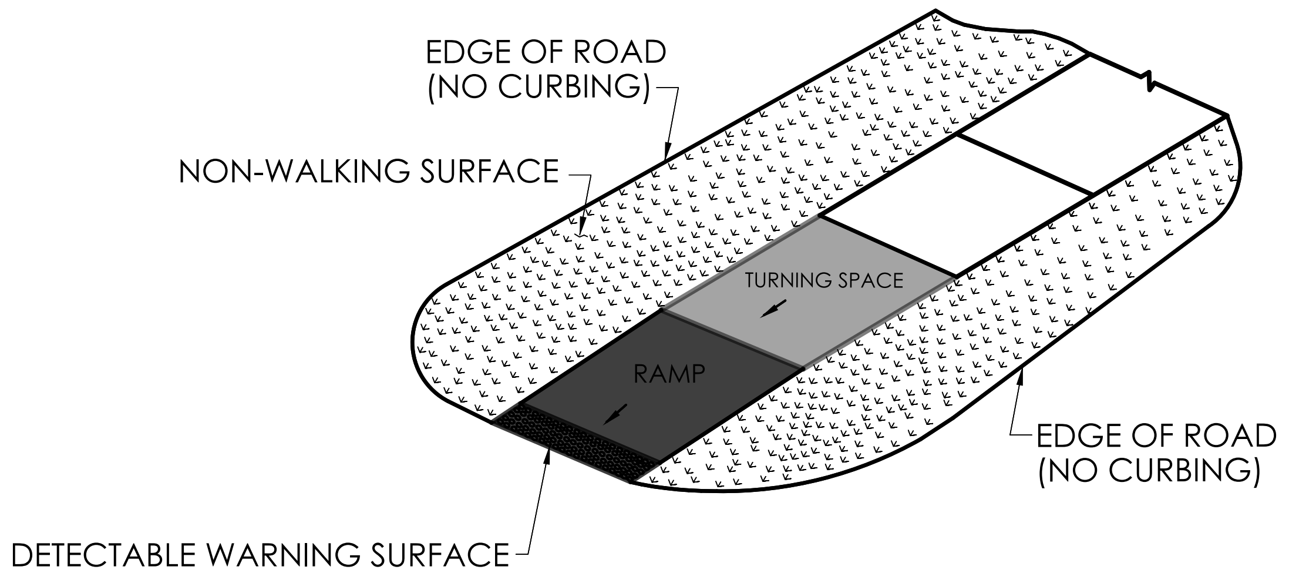
PERPENDICULAR RAMP(S)

TYPE 8 SINGLE RAMP TO TURNING SPACE CONSTRAINED ON ONE SIDE

TYPE 11 60" X 60" TURNING SPACE WITH NON-WALKABLE SURFACE

TYPE 12 60" X 60" TURNING SPACE WITH NON-WALKABLE SURFACE

TYPE 13 TURNING SPACE WITH NON-WALKABLE SURFACE


EDGE OF ROAD (NO CURBING)
NON-WALKING SURFACE
TURNING SPACE
RAMP
EDGE OF ROAD (NO CURBING)
DETECTABLE WARNING SURFACE

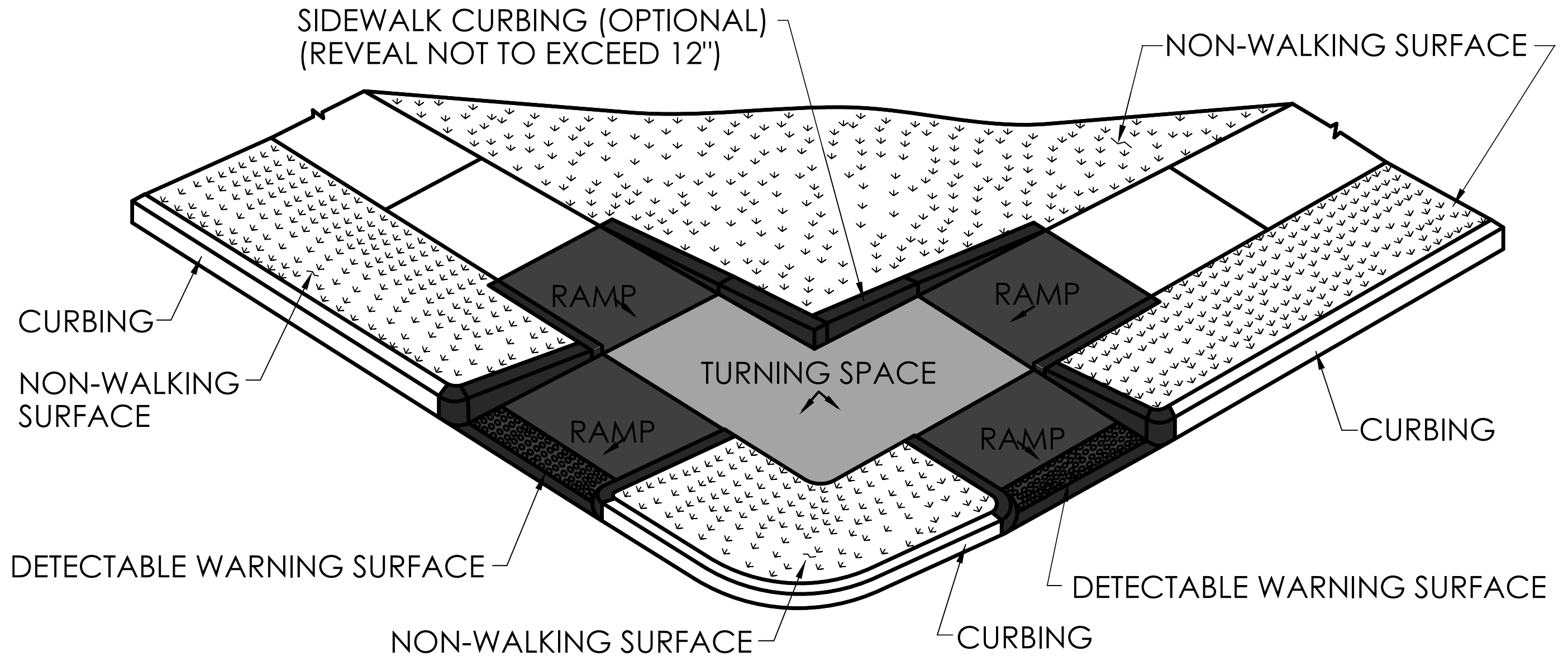
SINGLE DIRECTION PERPENDICULAR RAMP(S)

TYPE 14 TURNING SPACE GRADE BREAK GREATER THAN 5'

TYPE 15 TURNING SPACE GRADE BREAK 5 FT OR LESS

TYPE 16 RAMP WITH RETURN CURBING

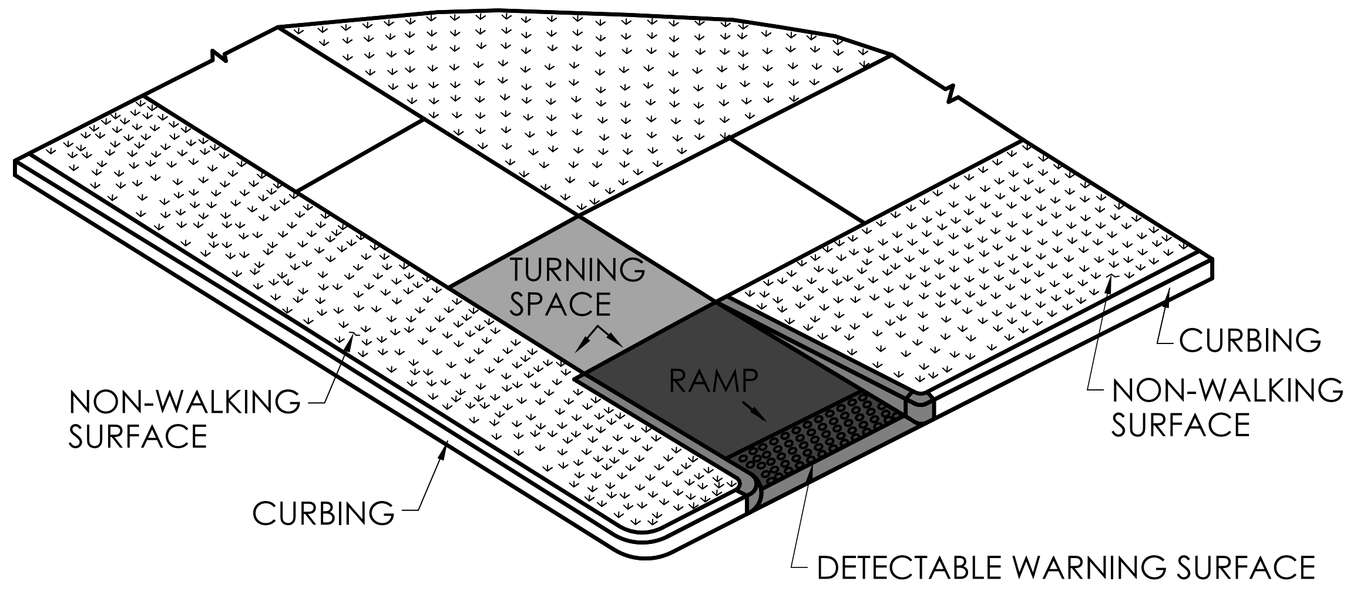
TYPE 17 RAMP WITH NO RETURN CURBING



PERPENDICULAR RAMP(S)

TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS

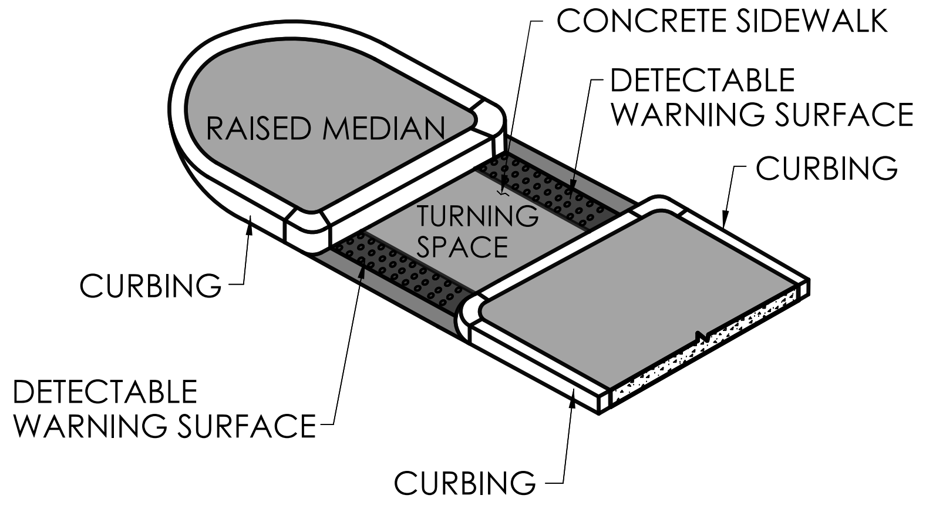
TYPE 19 COMBINATION SIDEWALK RAMPS



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP(S)

TYPE 20 SINGLE RAMP FROM TURNING SPACE

TYPE 21 TWO RAMP(S) TO TURNING SPACE



PEDESTRIAN REFUGE ISLAND(S)

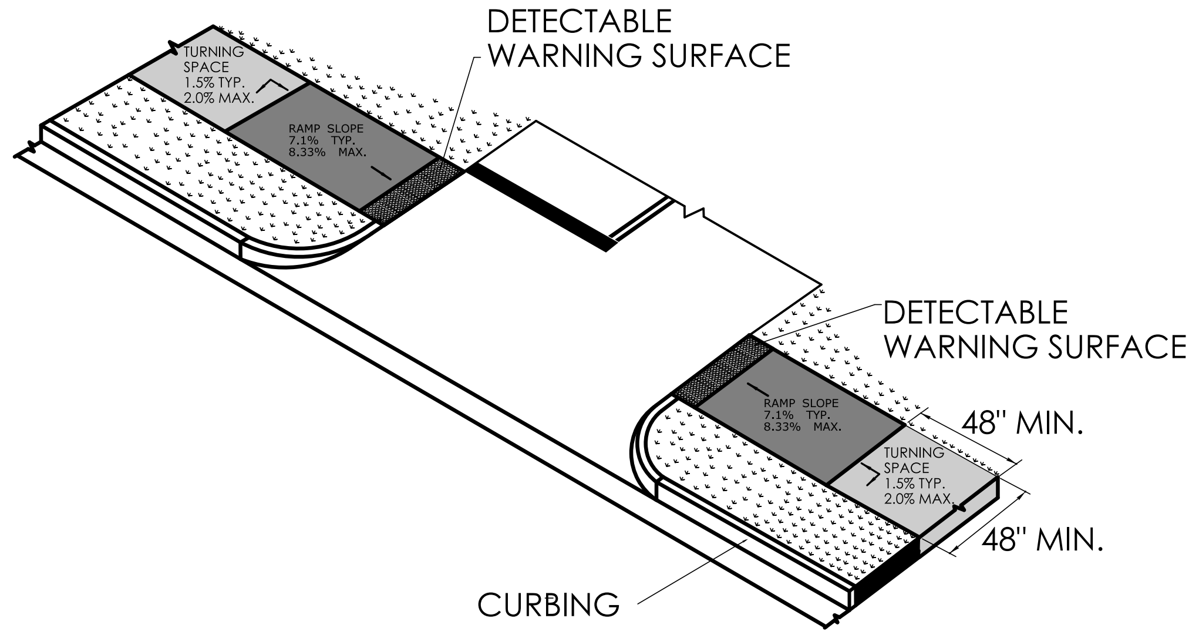
TYPE 22 ISLAND WIDTH 6 FT OR MORE

TYPE 23 ISLAND LESS THAN 6 FT WIDE

TYPE 24 REFUGE ISLAND WITH ELEVATED LANDING

TYPE 25 RIGHT TURN SLIP-LANE REFUGE ISLAND

TYPE 26 REFUGE ISLAND WITH OFFSET ACCESS


TURNING SPACE 1.5% TYP. 2.0% MAX.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
DETECTABLE WARNING SURFACE
DETECTABLE WARNING SURFACE
RAMP SLOPE 7.1% TYP. 8.33% MAX.
48" MIN.
TURNING SPACE 1.5% TYP. 2.0% MAX.
48" MIN.
CURBING

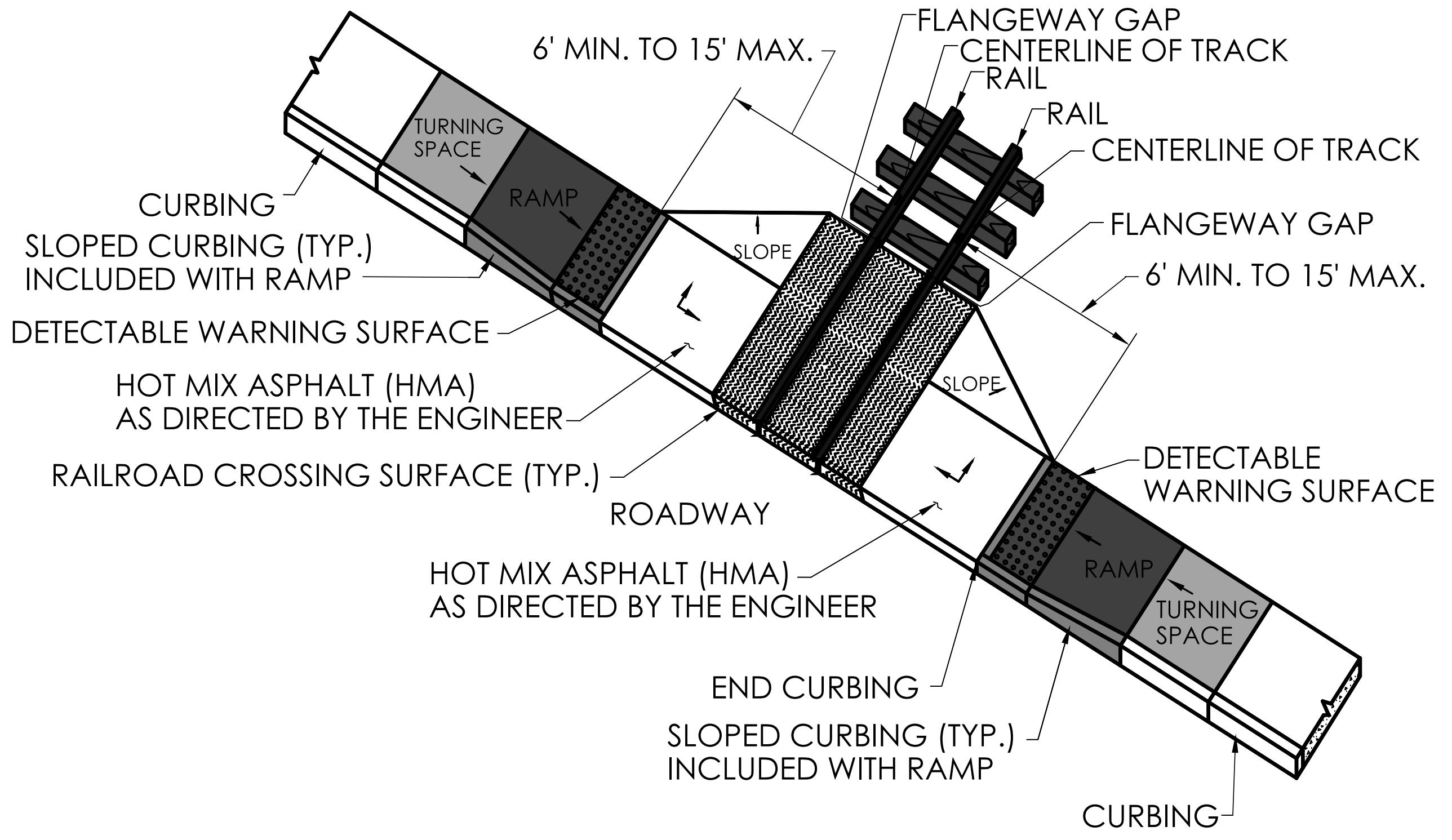
DRIVEWAY(S)

TYPE 29 DRIVEWAY SIGNALIZED, STOP CONTROLLED OR YIELD WITH DETECTABLE
WARNING SURFACE AND NON WALKING SURFACE

TYPE 30 UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING
WITH NON WALKING SURFACE

TYPE 31 DRIVEWAY CROSSING SIGNALIZED, STOP CONTROL OR YIELD
WITH DETECTABLE WARNING SURFACE

TYPE 32 UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING


6' MIN. TO 15' MAX.
FLANGEWAY GAP
CENTERLINE OF TRACK
RAIL
CENTERLINE OF TRACK
FLANGEWAY GAP
6' MIN. TO 15' MAX.
TURNING SPACE
RAMP
CURBING
SLOPED CURBING (TYP.) INCLUDED WITH RAMP
DETECTABLE WARNING SURFACE
SLOPE
SLOPE
HOT MIX ASPHALT (HMA) AS DIRECTED BY THE ENGINEER
RAILROAD CROSSING SURFACE (TYP.)
ROADWAY
DETECTABLE WARNING SURFACE
HOT MIX ASPHALT (HMA) AS DIRECTED BY THE ENGINEER
RAMP
TURNING SPACE
END CURBING
SLOPED CURBING (TYP.) INCLUDED WITH RAMP
CURBING

RAILROAD CROSSING RAMPS

TYPE 27 RAILROAD CROSSING WITHOUT GATE

TYPE 28 RAILROAD CROSSING WITH GATE

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APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
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OF
TRANSPORTATION

PROJECT NUMBER:
PROJECT DESCRIPTION:
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DRAWING TITLE:
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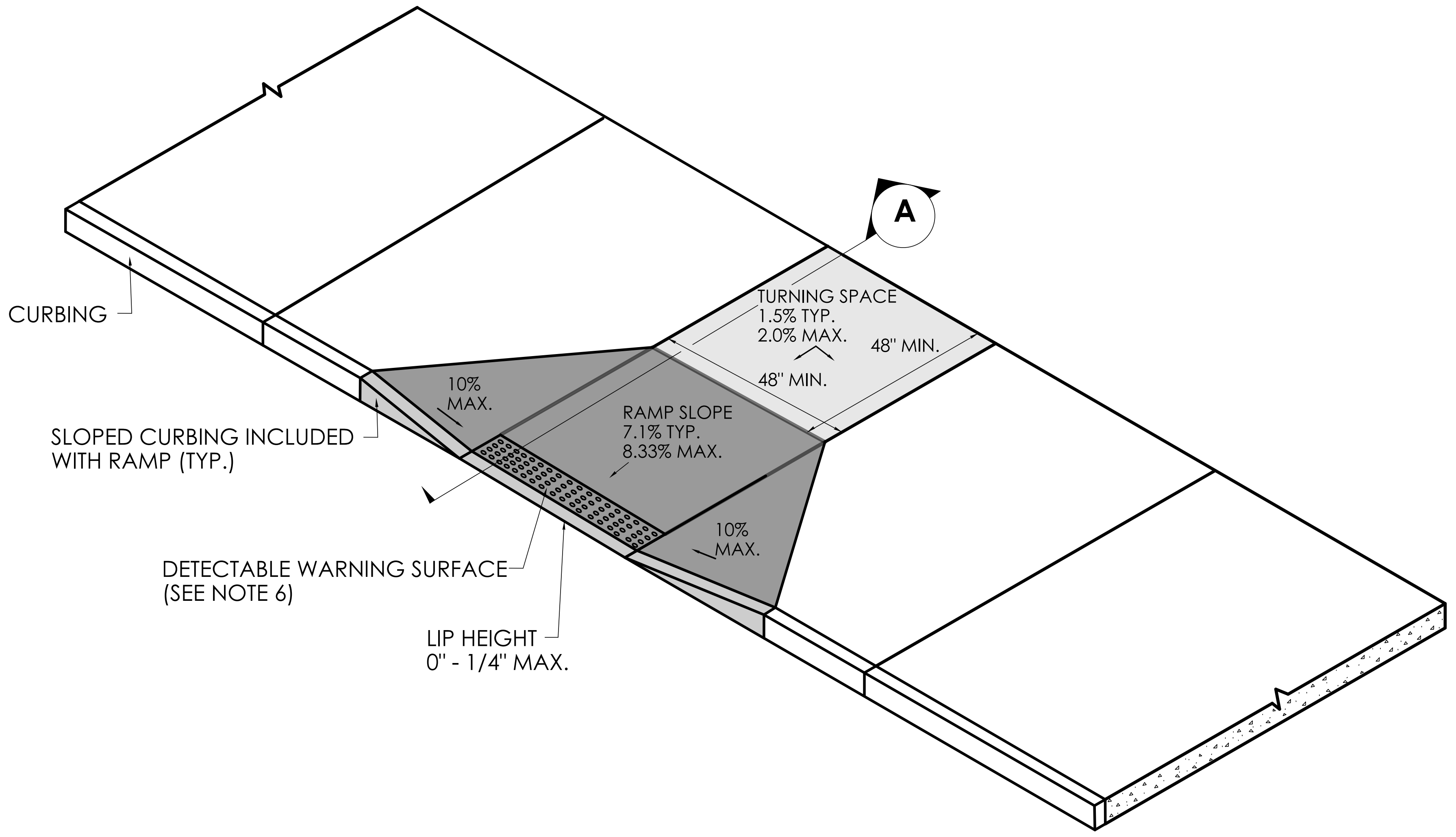
SHEET NO.

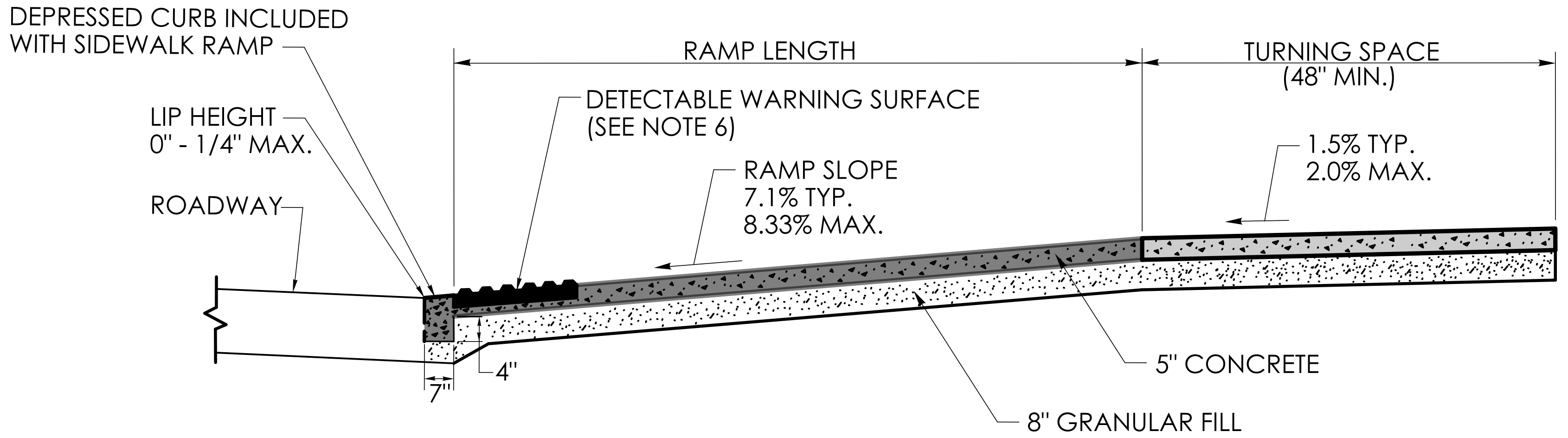
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

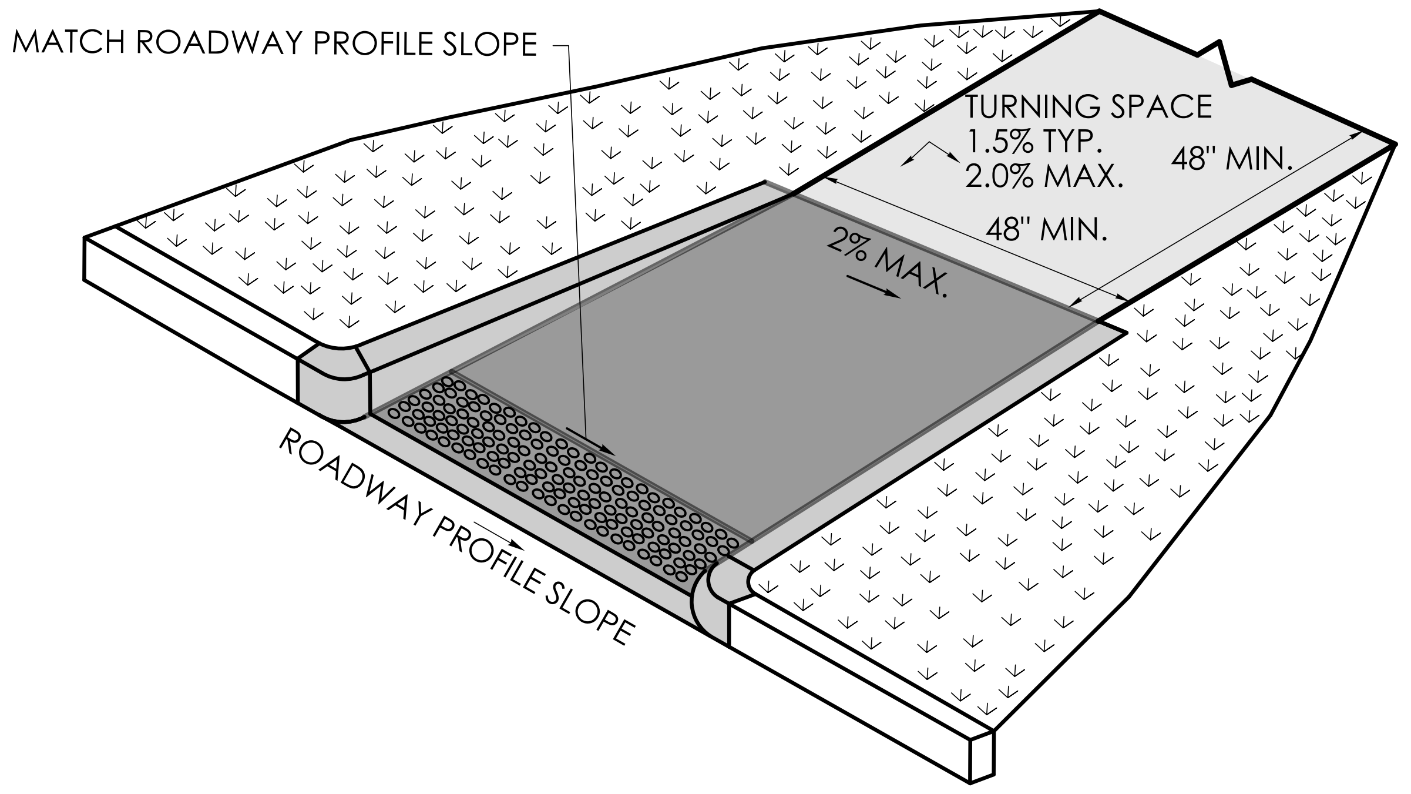
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼" INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE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

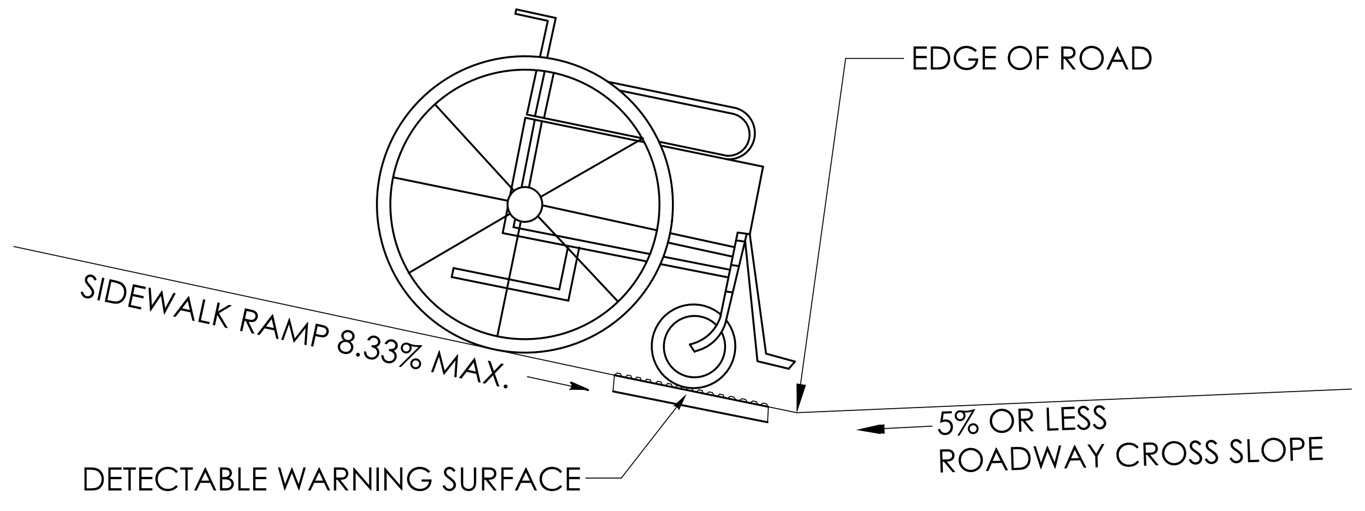


SECTION A

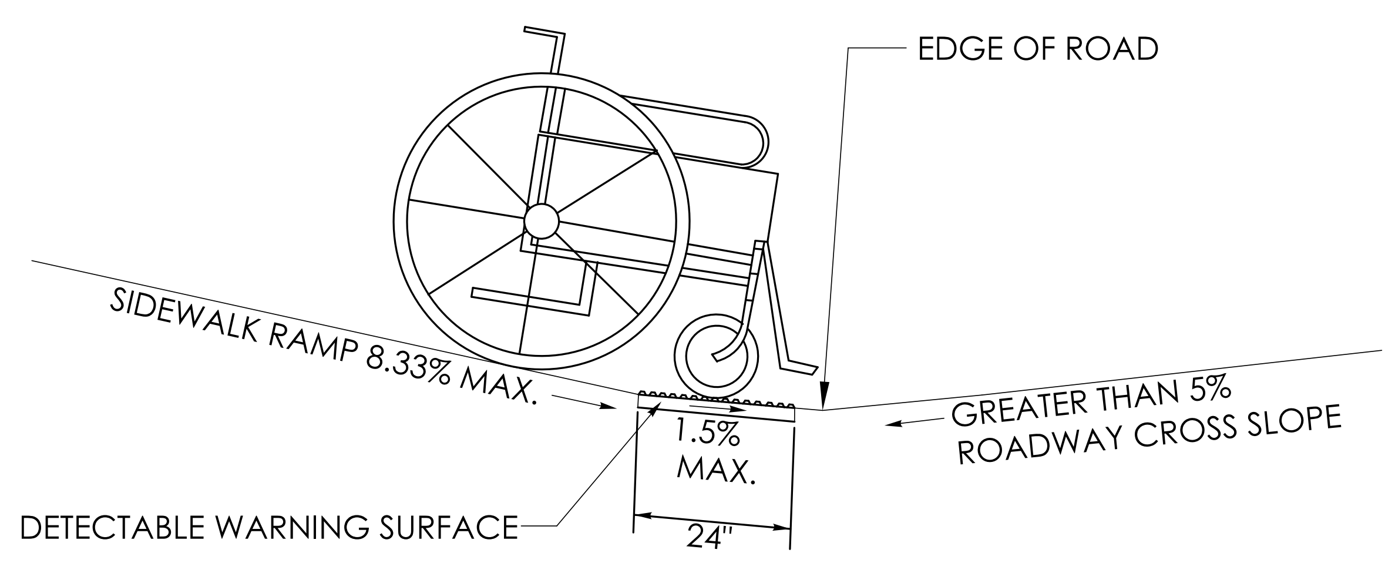


RAMP WARPING DETAIL

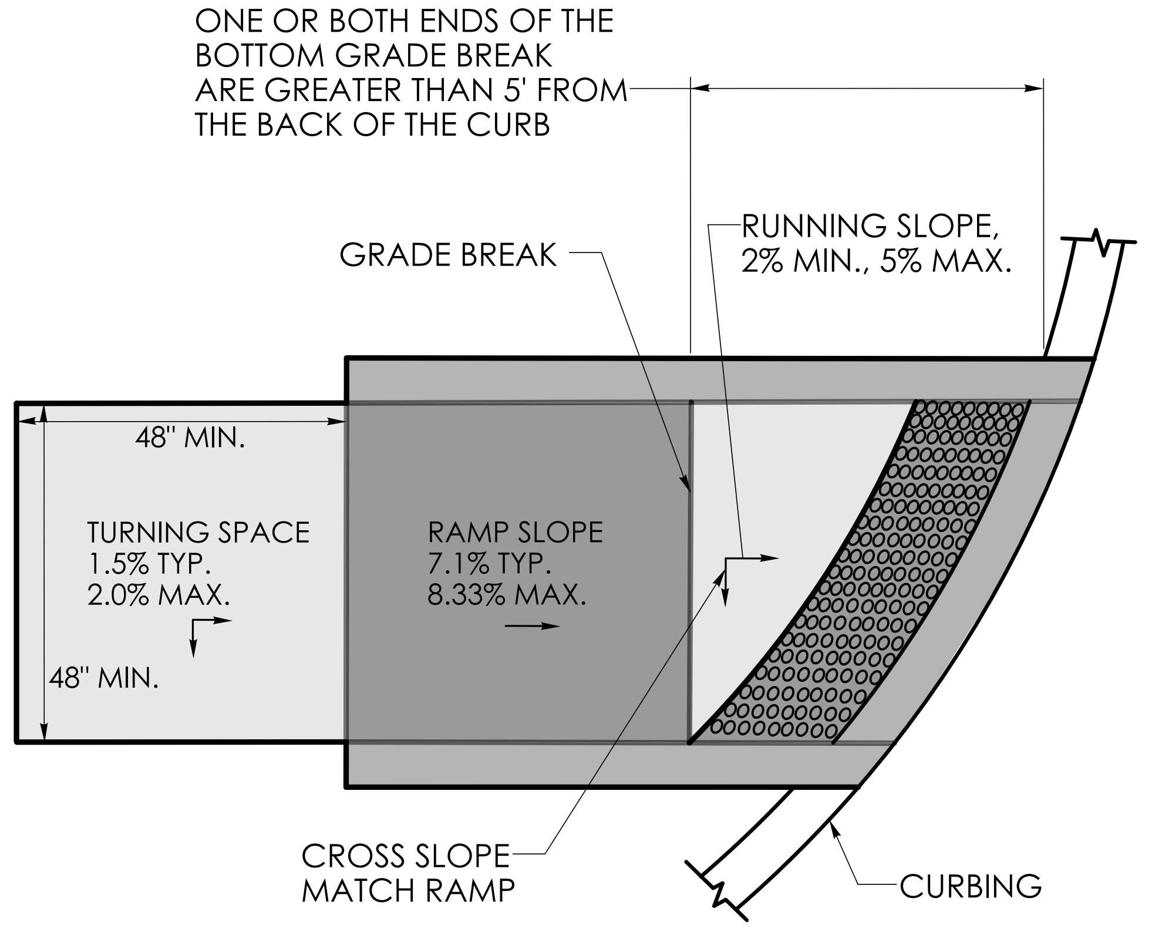
1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO THE ROADWAY PROFILE BEHIND THE DETECTABLE WARNING SURFACE.



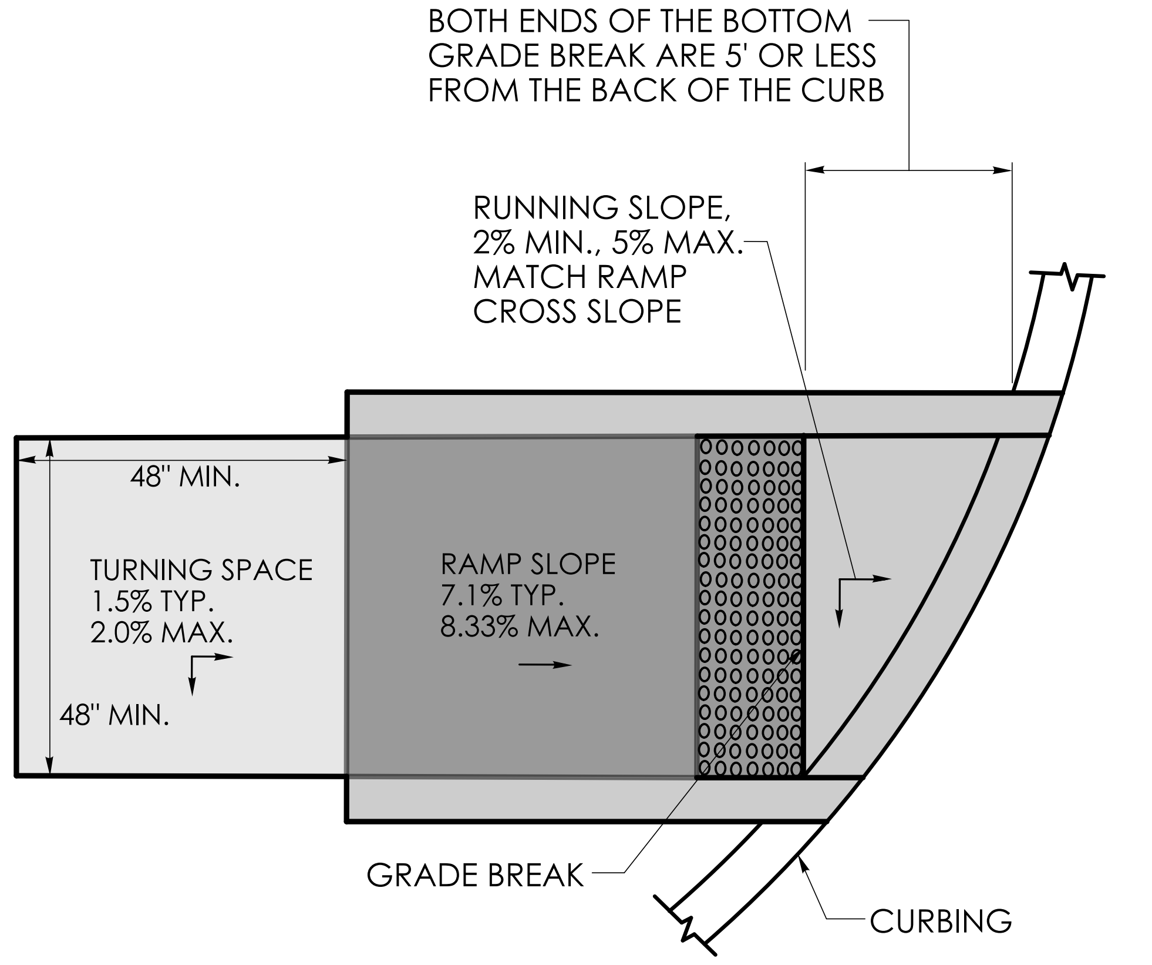
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE



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



GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION



GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

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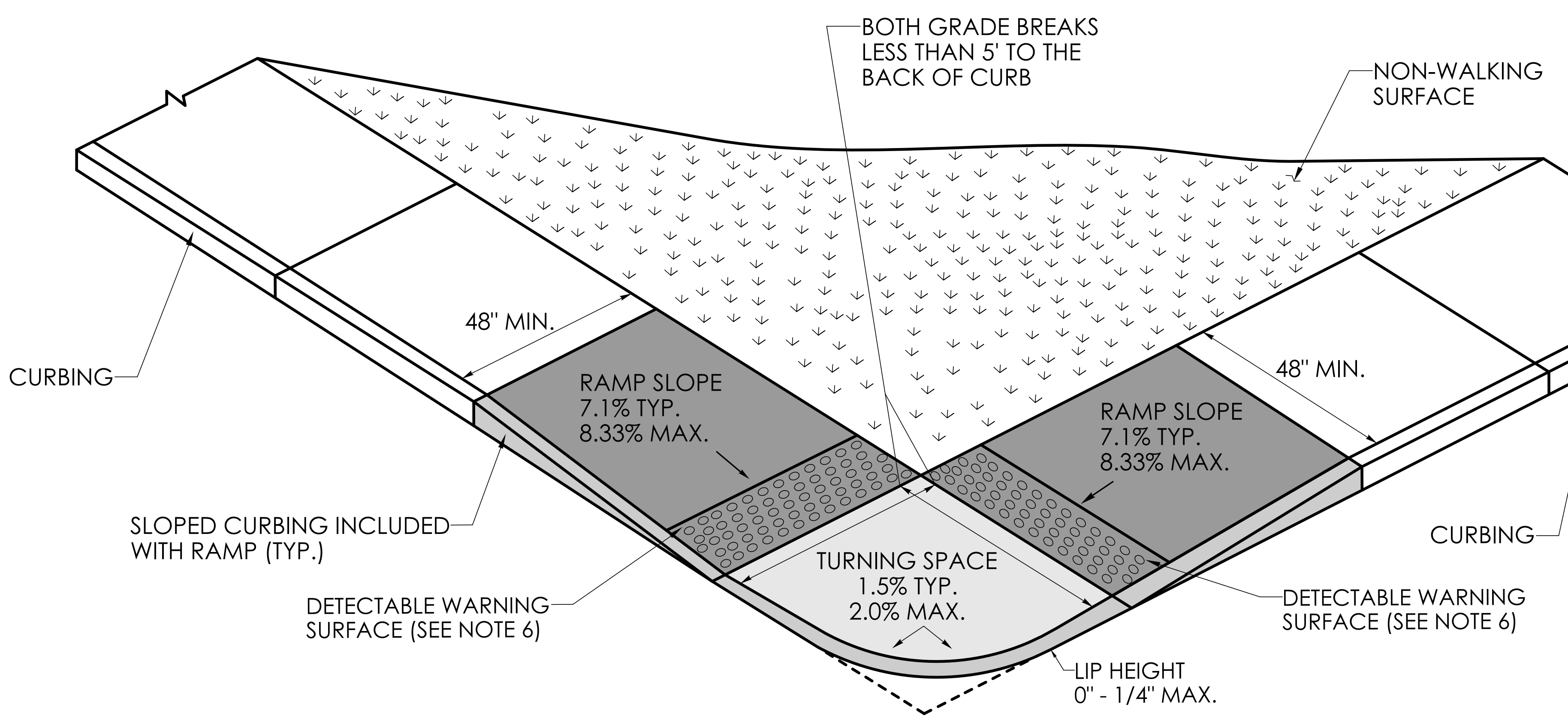
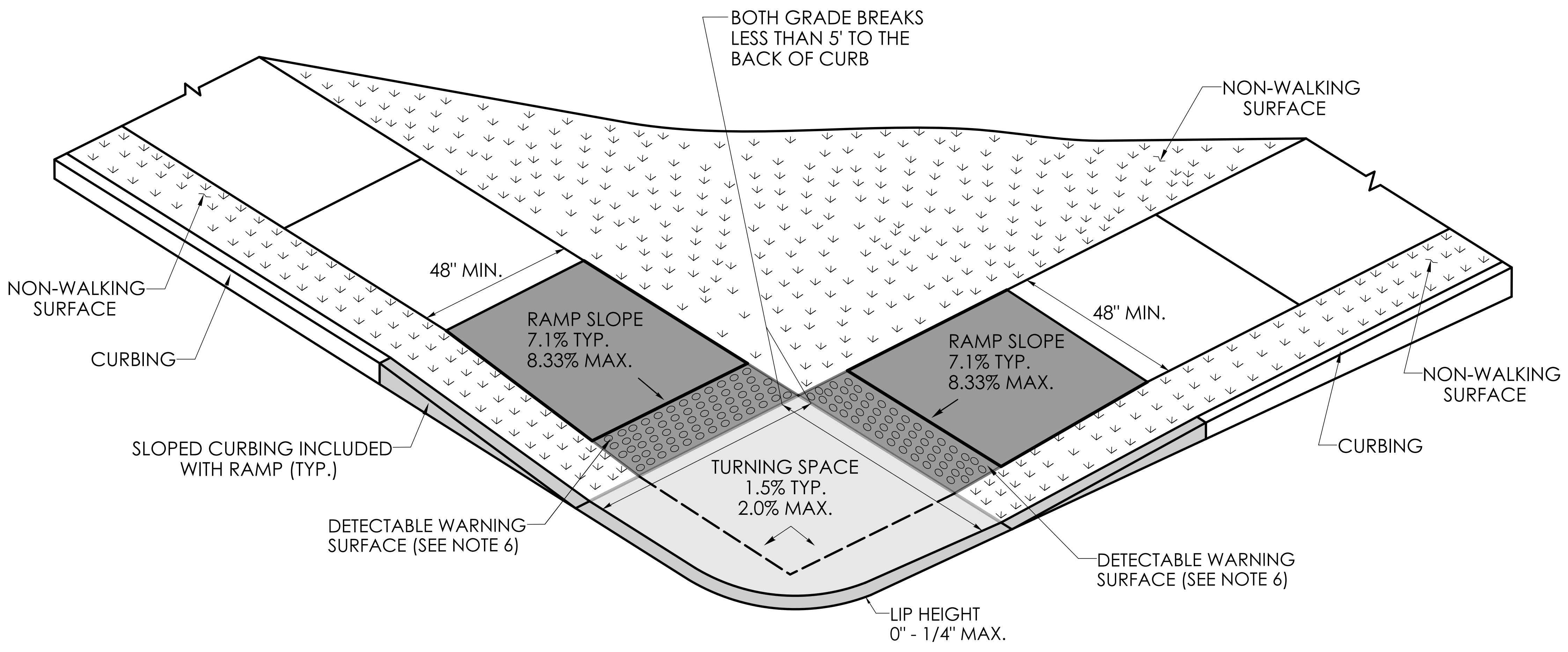


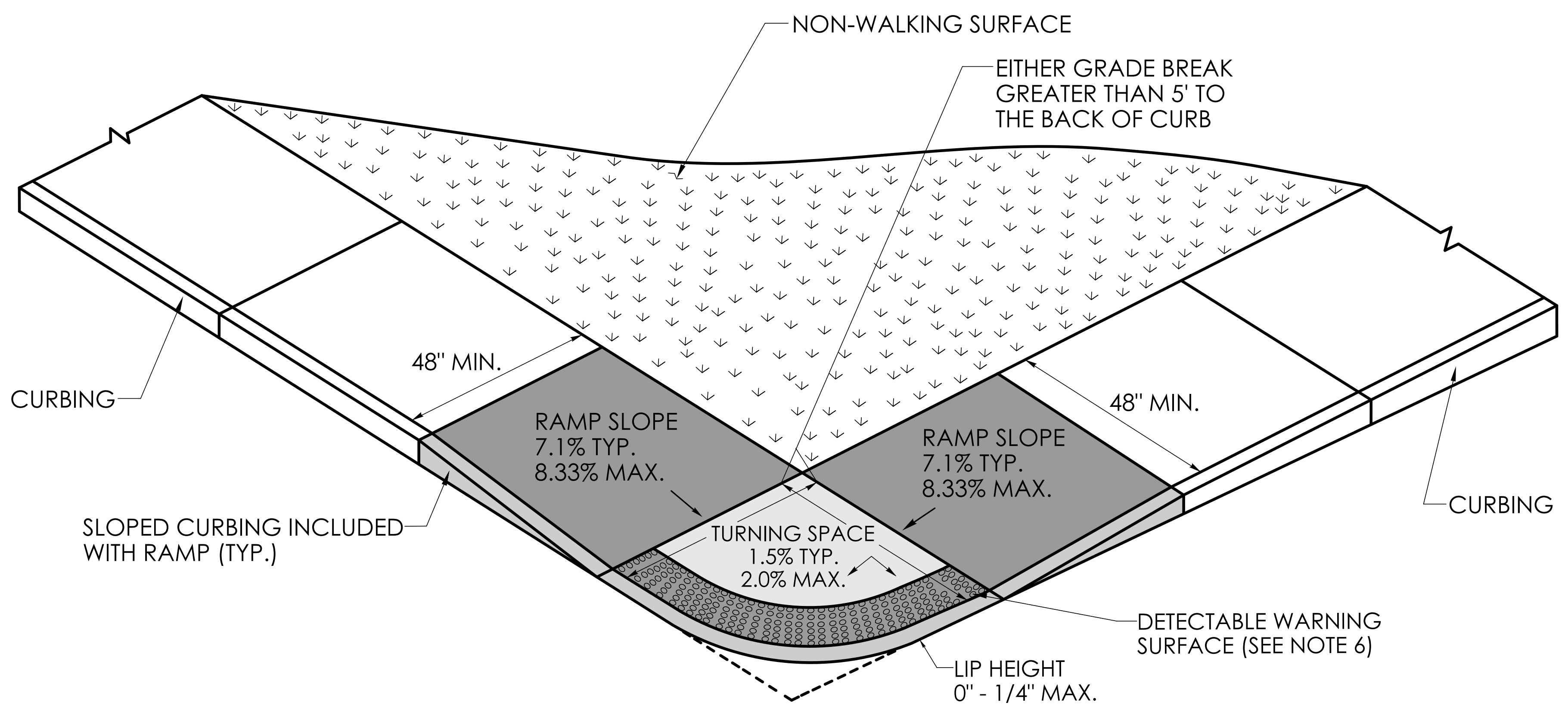
**TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)**



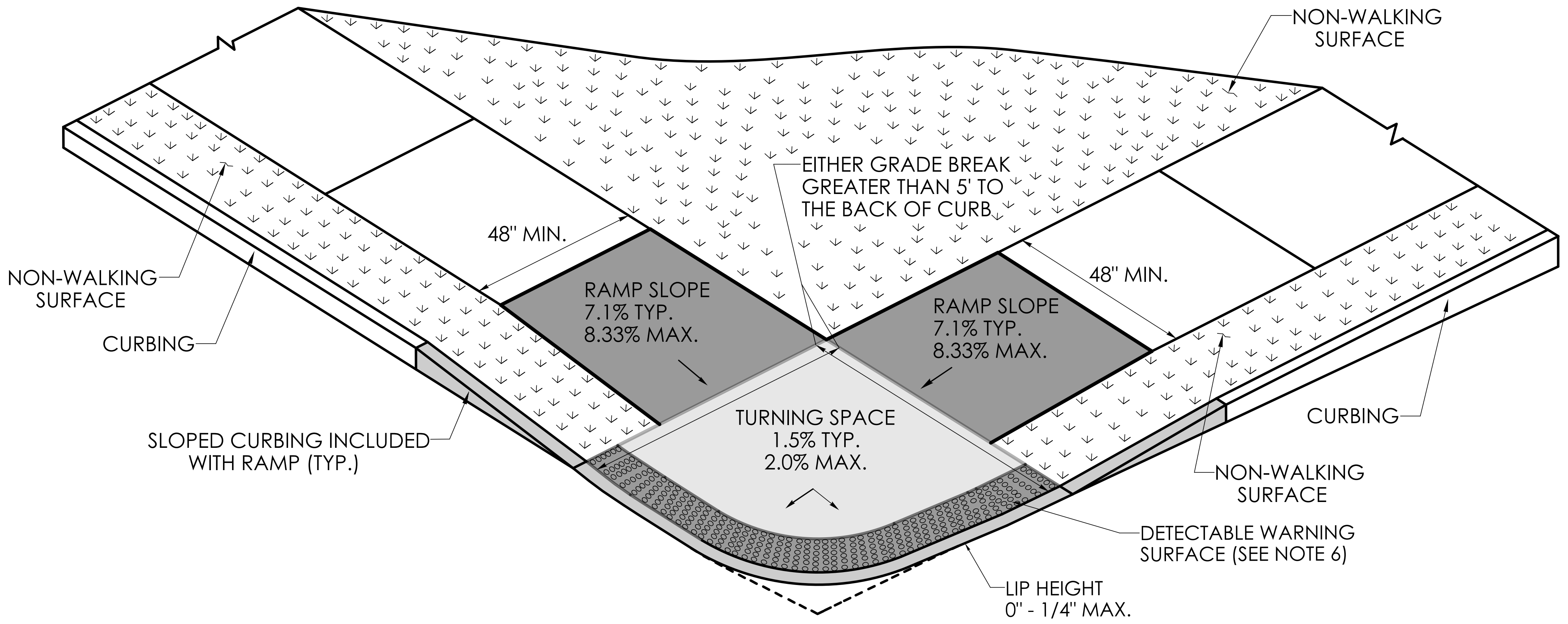
**TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)**

GENERAL NOTES:

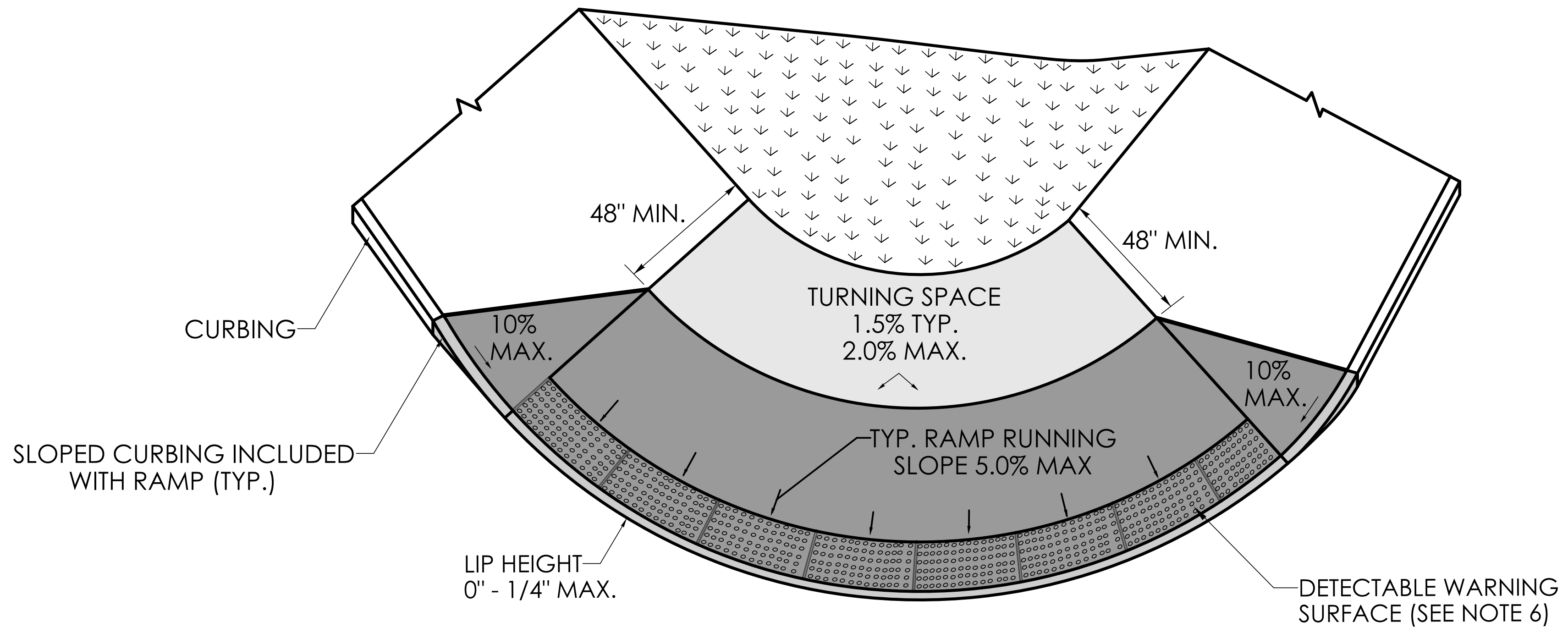
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE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



**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)**

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DESIGNER/DRAFTER:
CHECKED BY:

SIGNATURE/
BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

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OF
TRANSPORTATION

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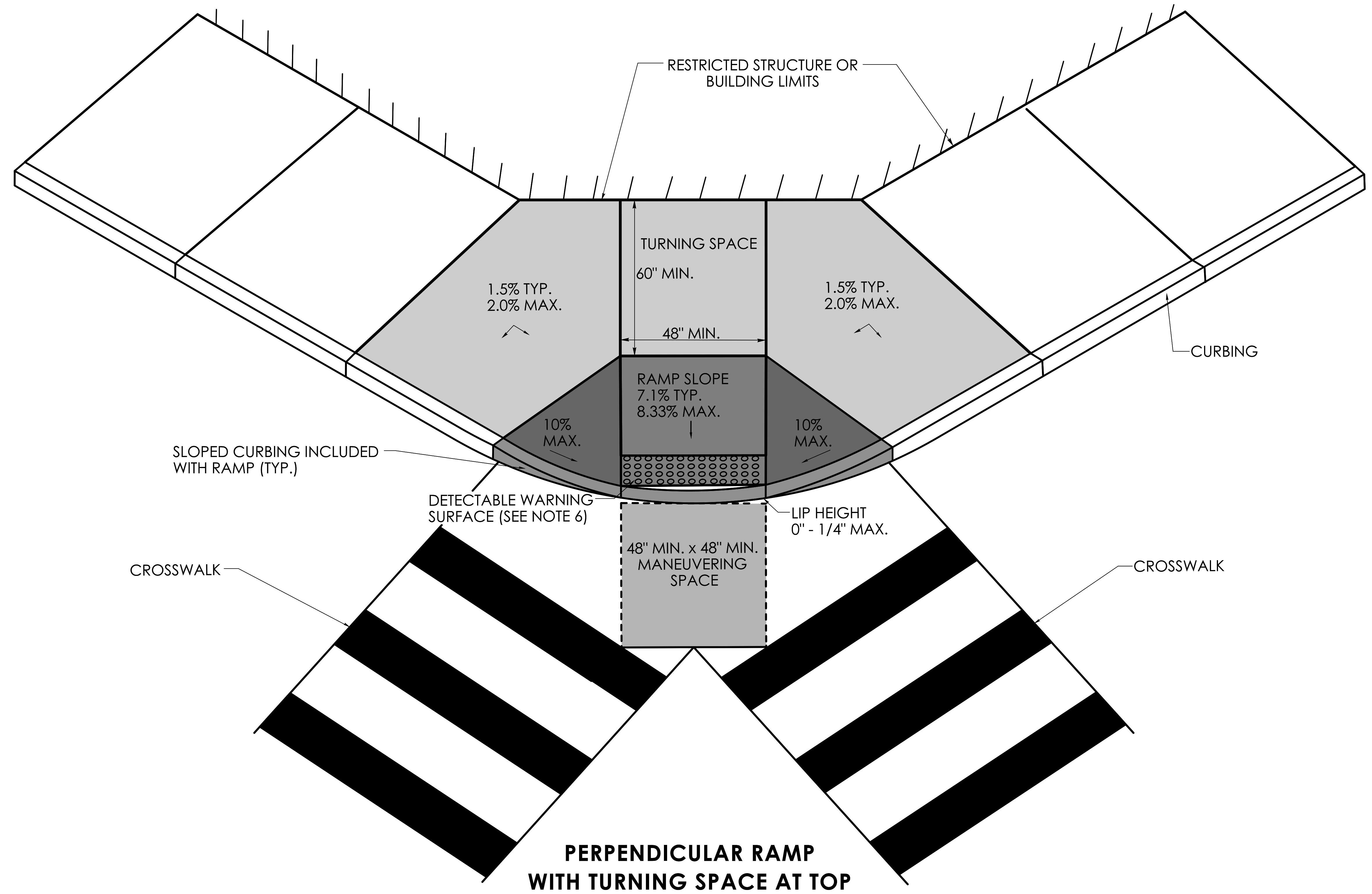
DRAWING NO.
SHEET NO.

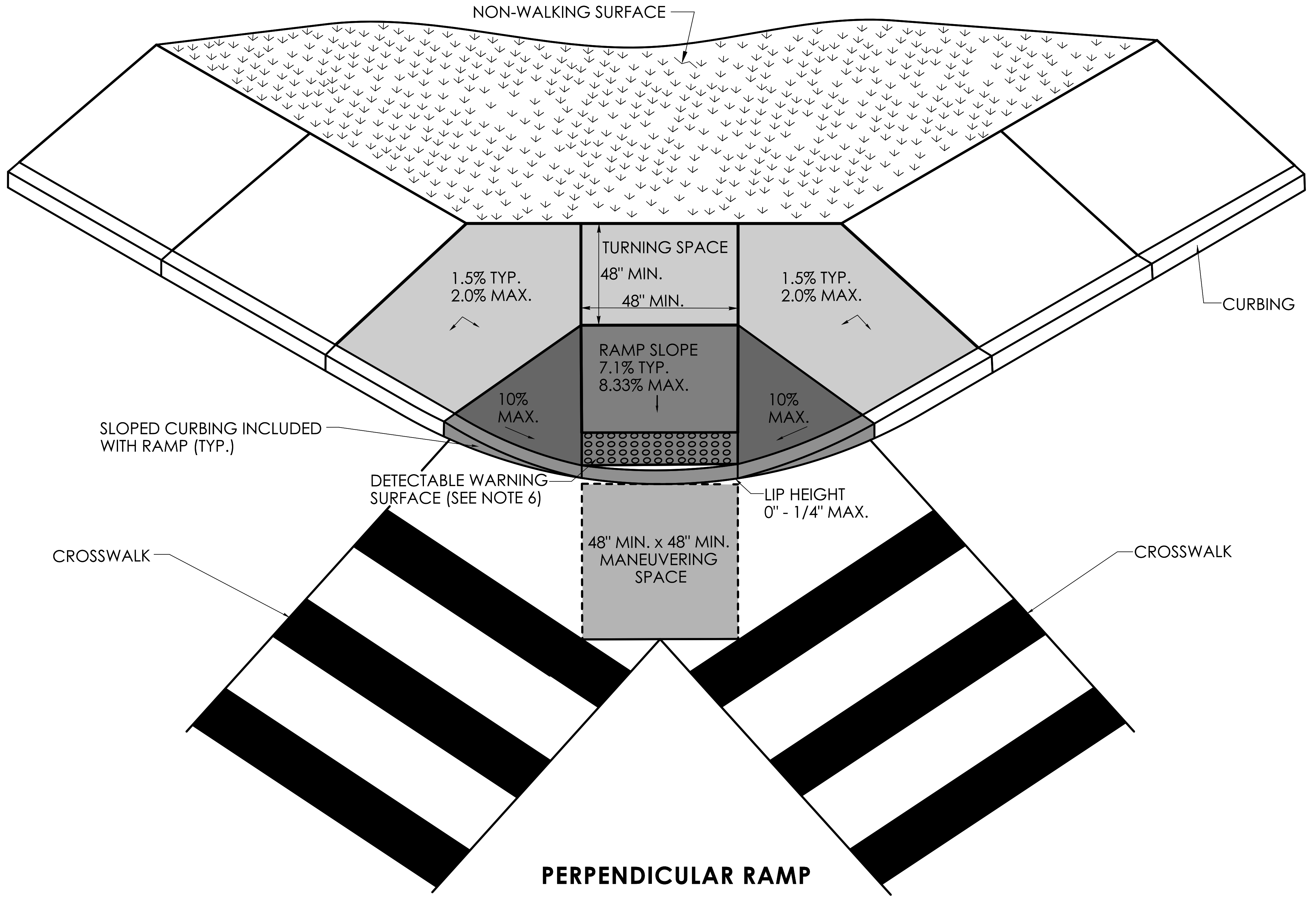
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024


RESTRICTED STRUCTURE OR BUILDING LIMITS
TURNING SPACE
60" MIN.
48" MIN.
1.5% TYP.
2.0% MAX.
1.5% TYP.
2.0% MAX.
CURBING
RAMP SLOPE
7.1% TYP.
8.33% MAX.
10% MAX.
10% MAX.
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
DETECTABLE WARNING SURFACE (SEE NOTE 6)
LIP HEIGHT 0" - 1/4" MAX.
48" MIN. x 48" MIN. MANEUVERING SPACE
CROSSWALK
CROSSWALK

PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 6)

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.



PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 7)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/
BLOCK:

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OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
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OF
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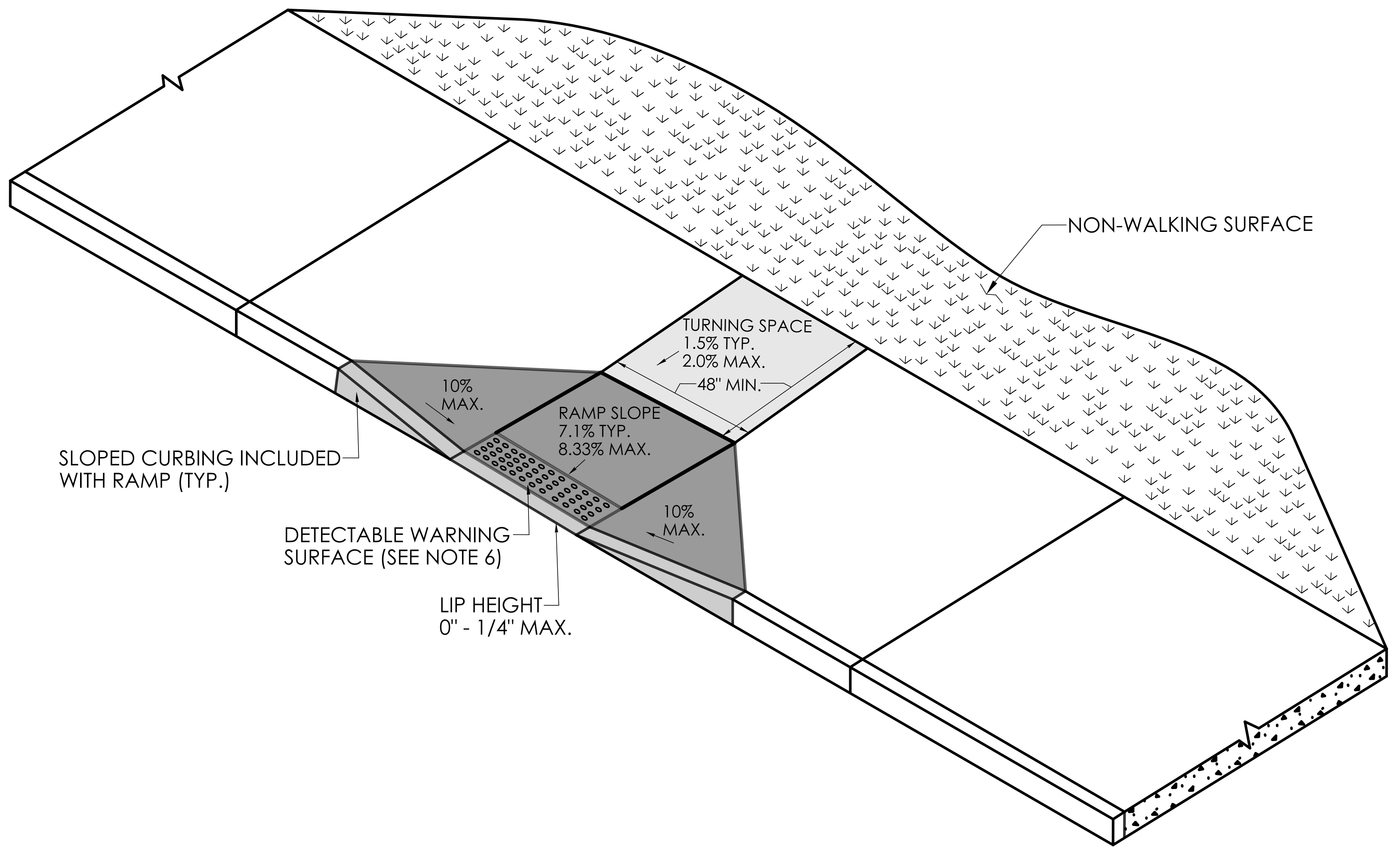
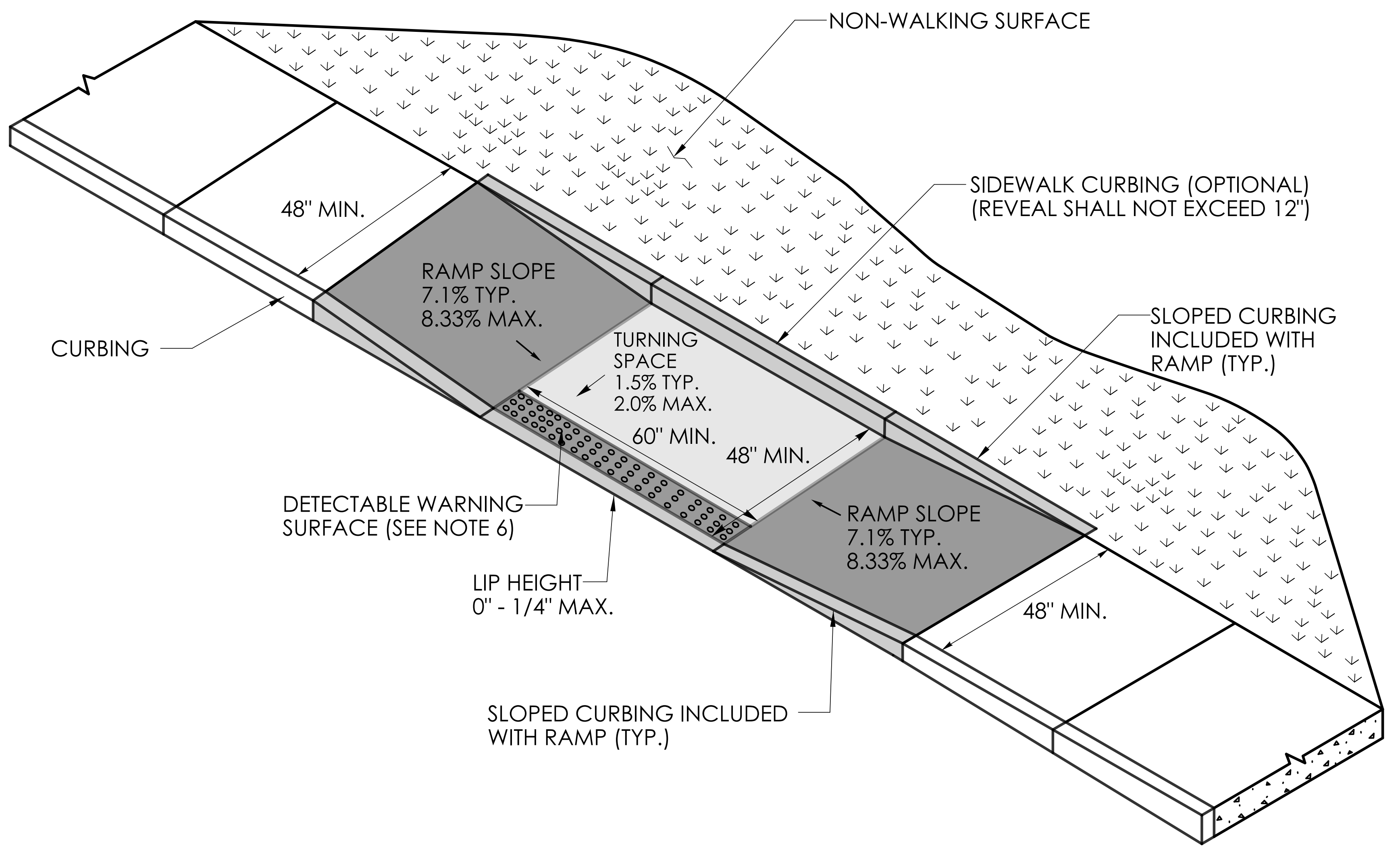
SHEET NO.

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



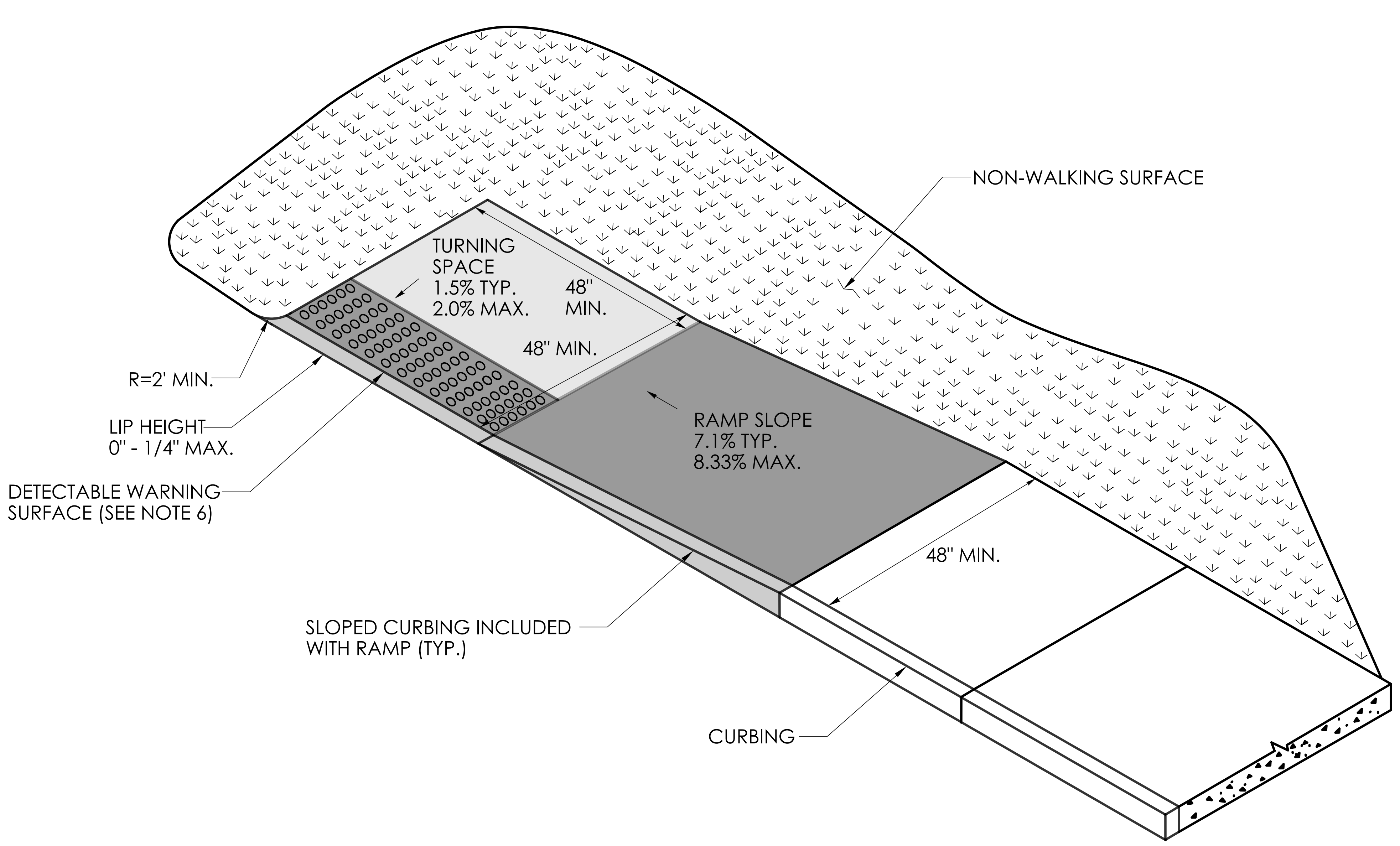
PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)



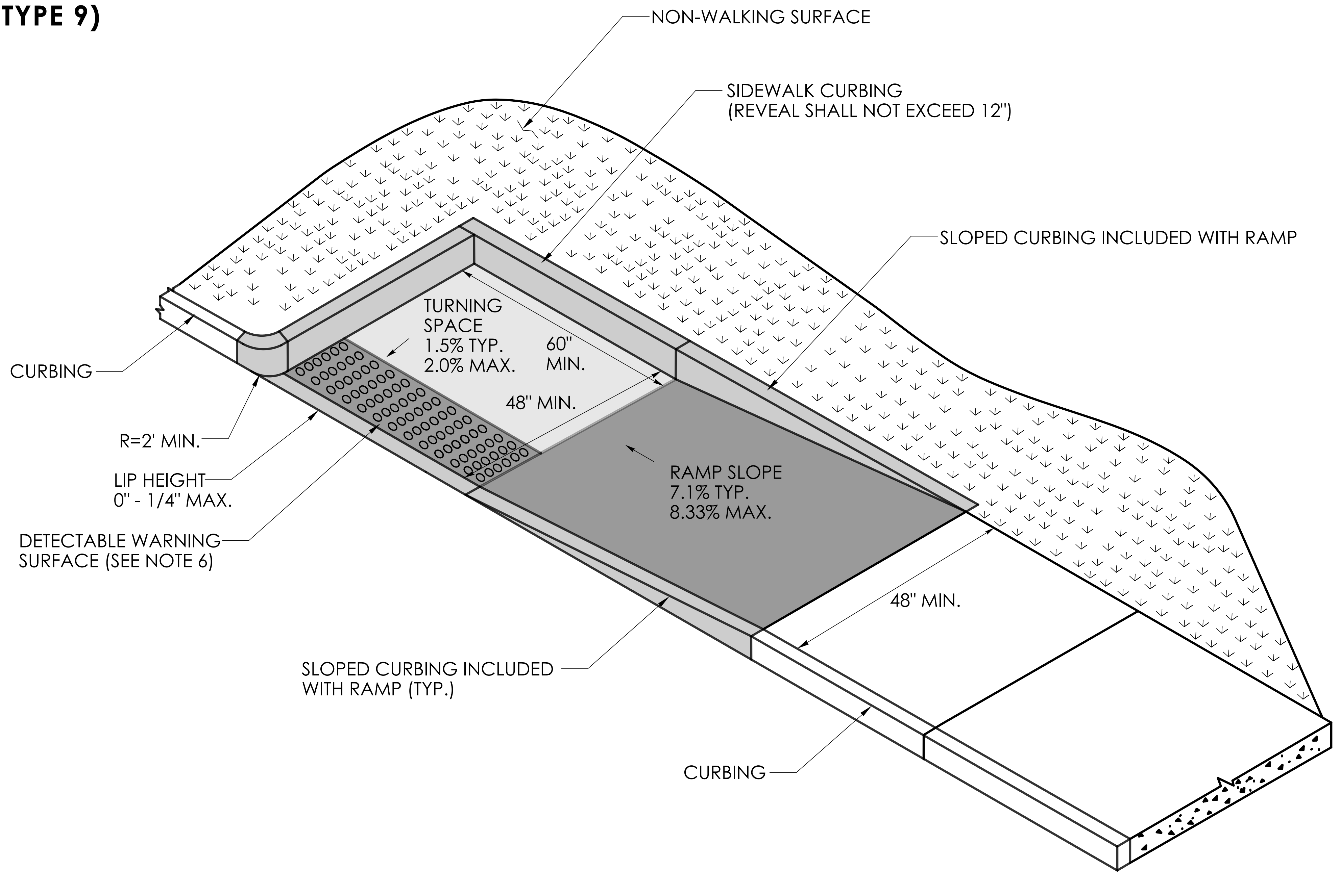
PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON TWO (2) OR MORE SIDES (TYPE 9)

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.



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)

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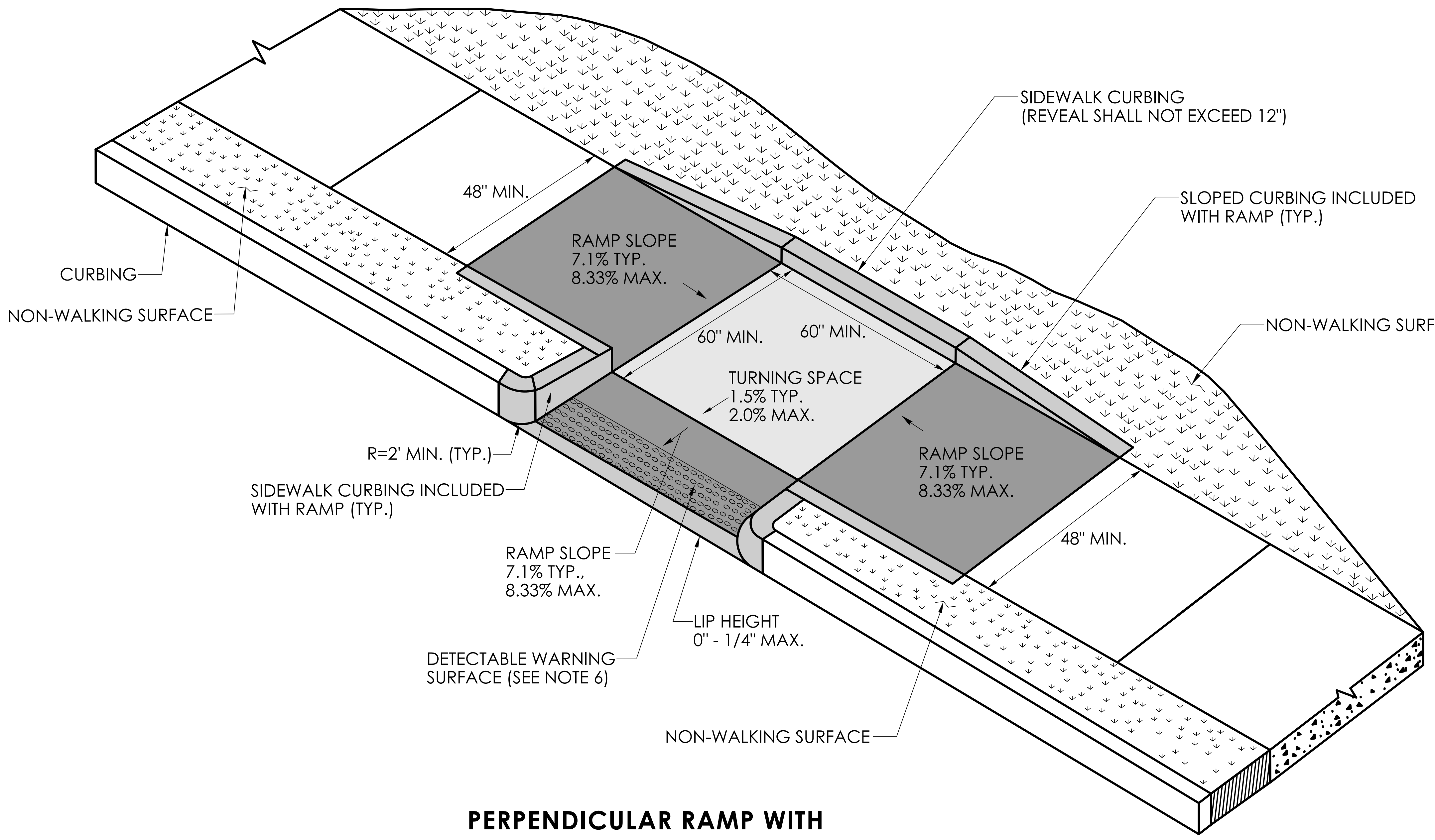
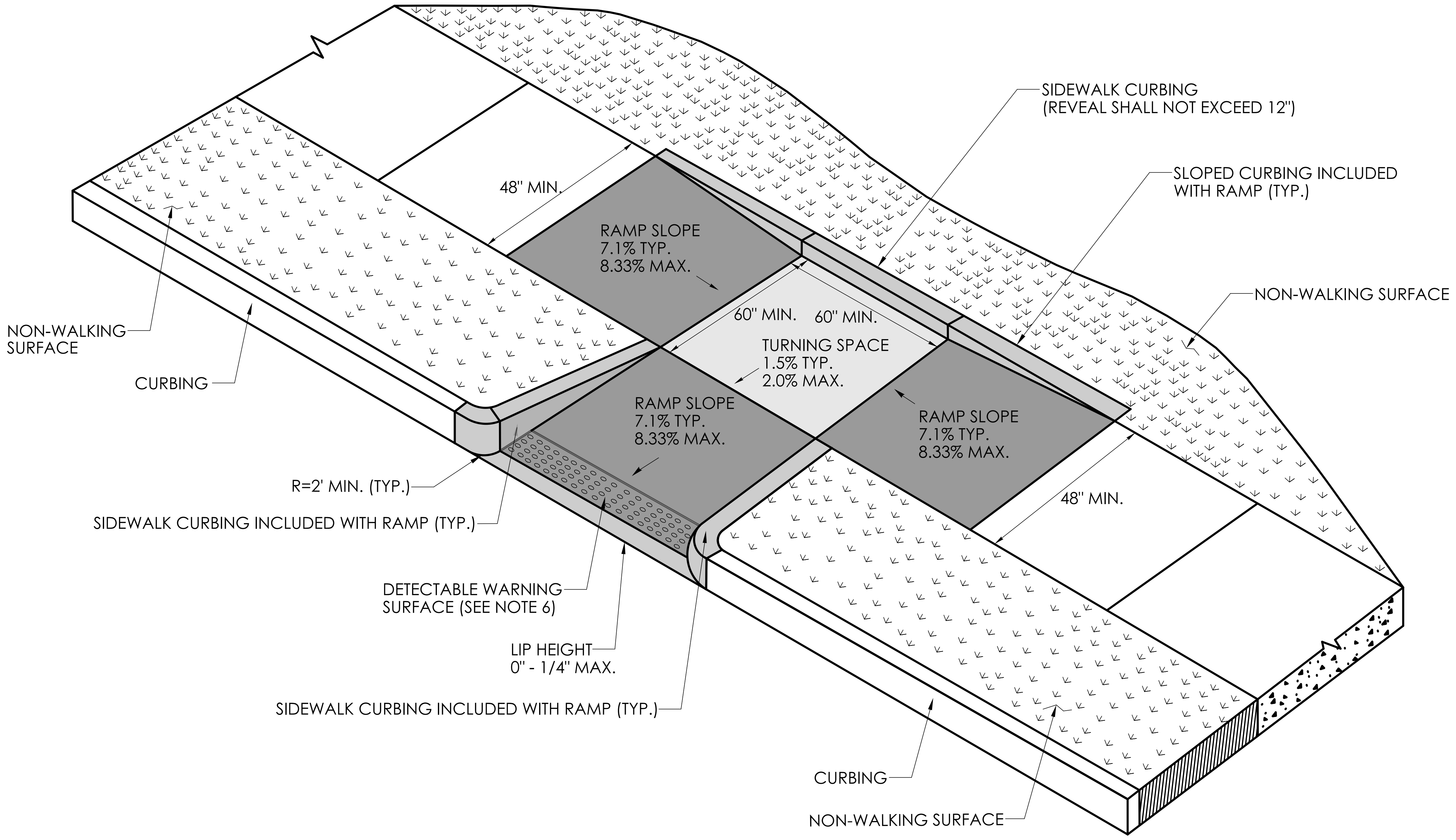
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

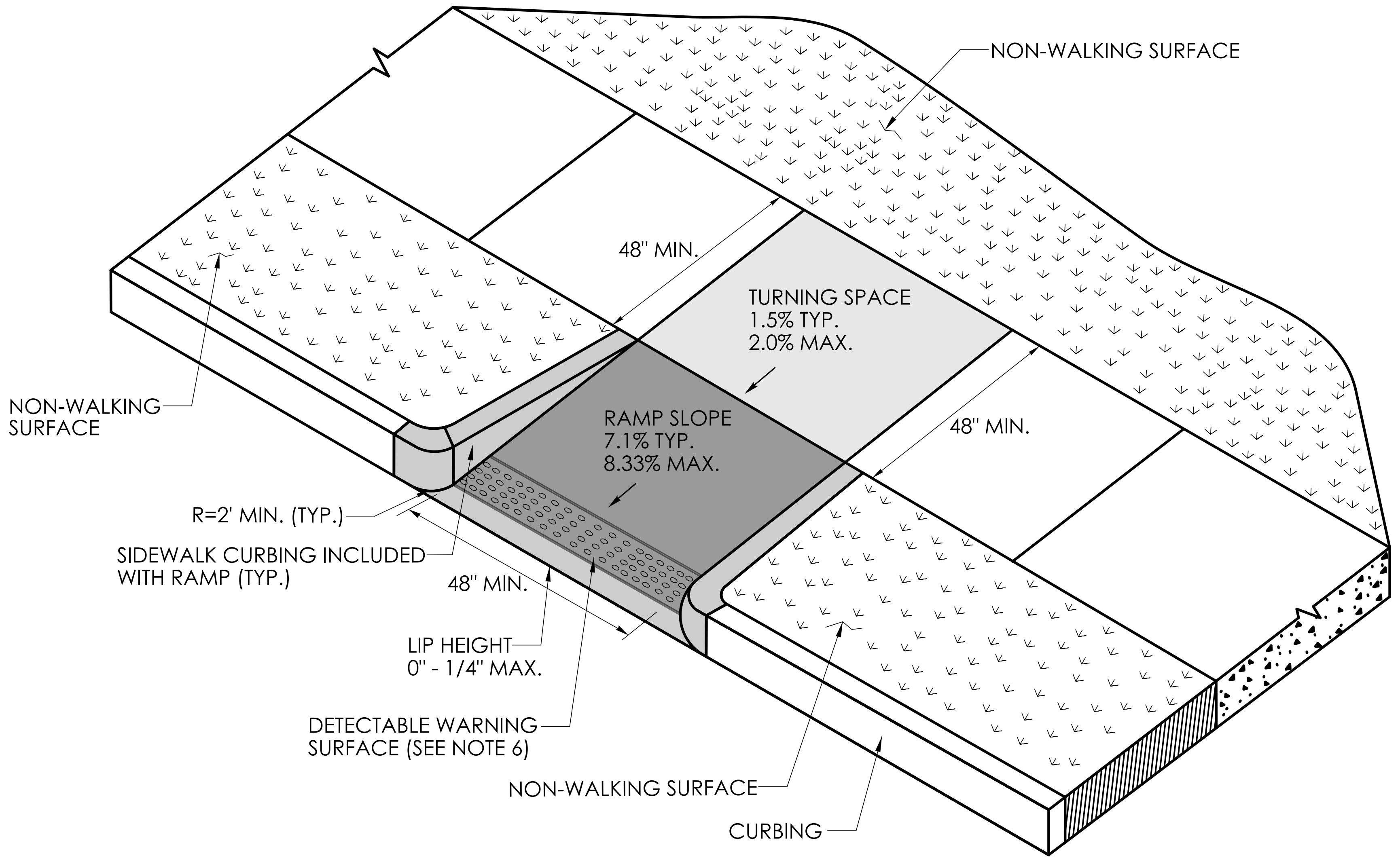
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING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



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/
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2800 BERLIN TURNPIKE
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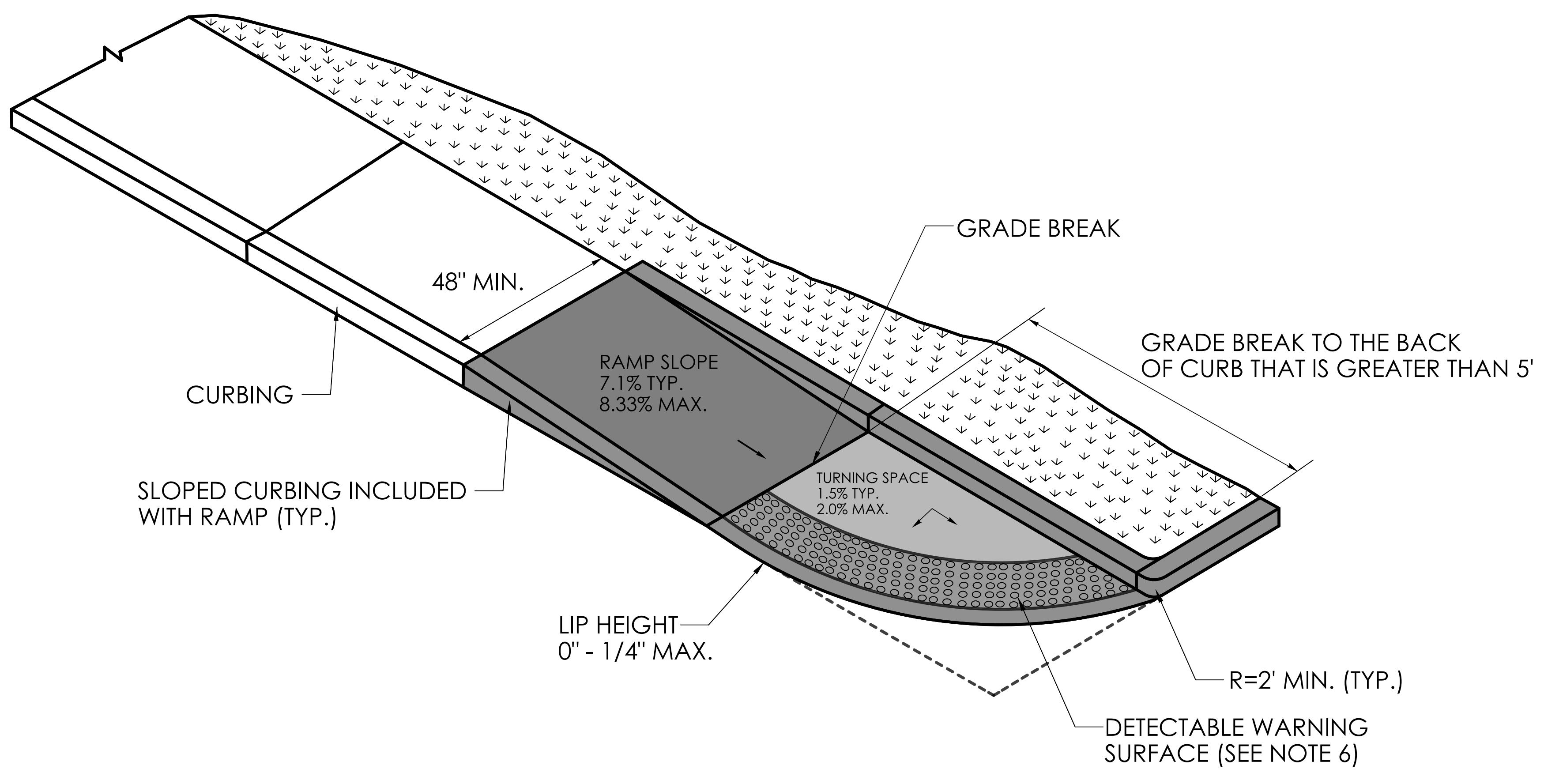
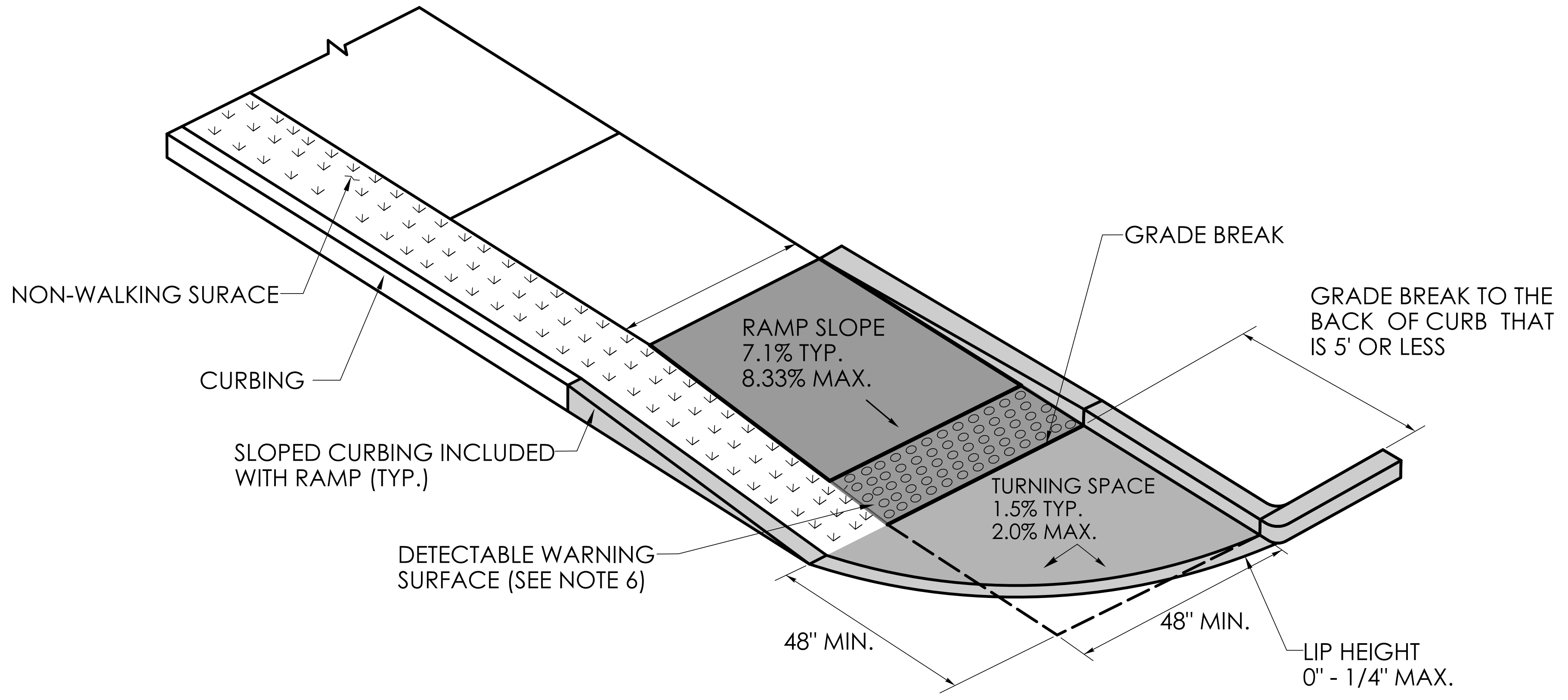
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

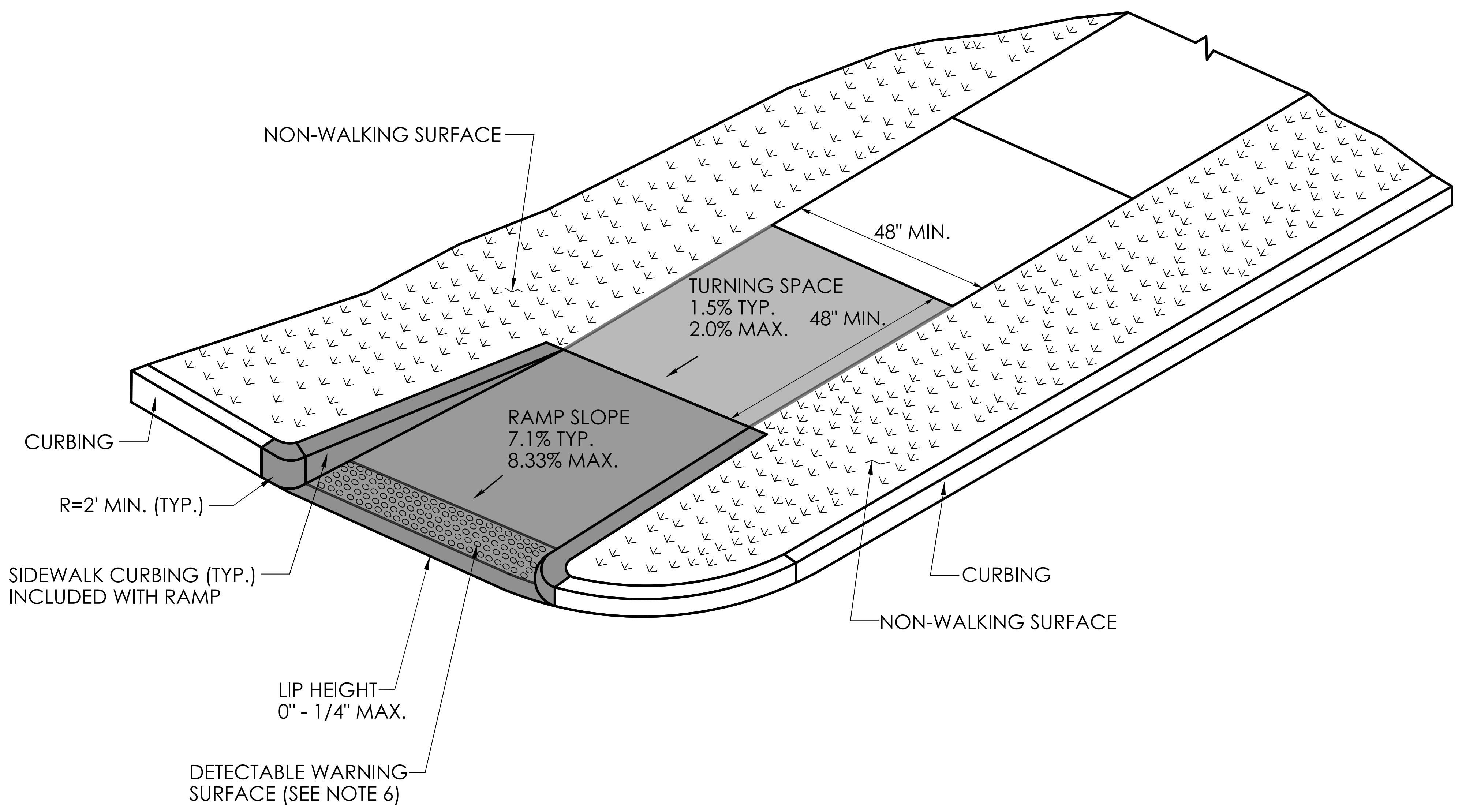
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED $1/4$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF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



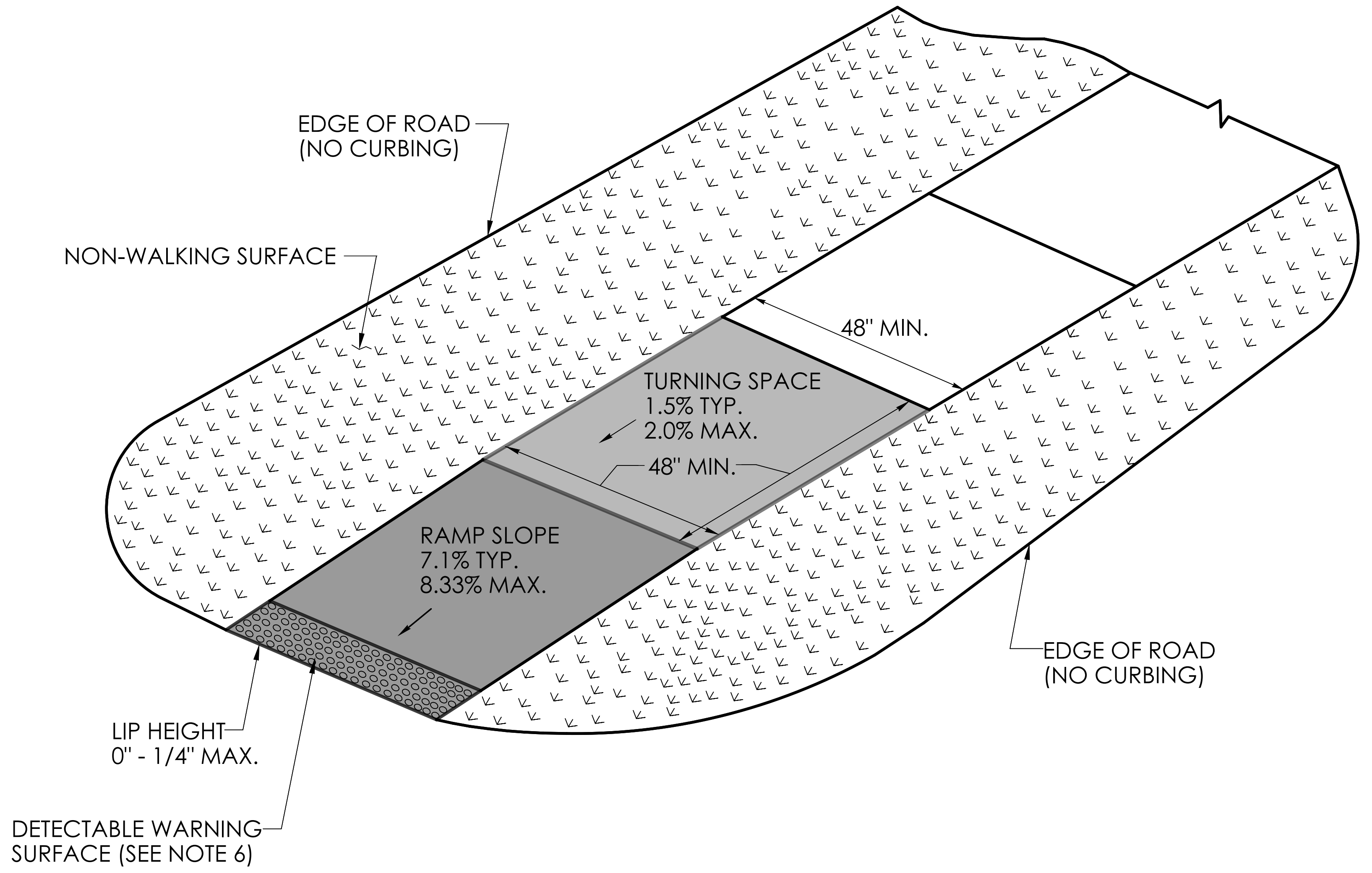
SINGLE DIRECTION PERPENDICULAR RAMP
GRADE BREAK TO THE BACK OF CURB
GREATER THAN 5'
(TYPE 14)



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

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CHECKED BY:

SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

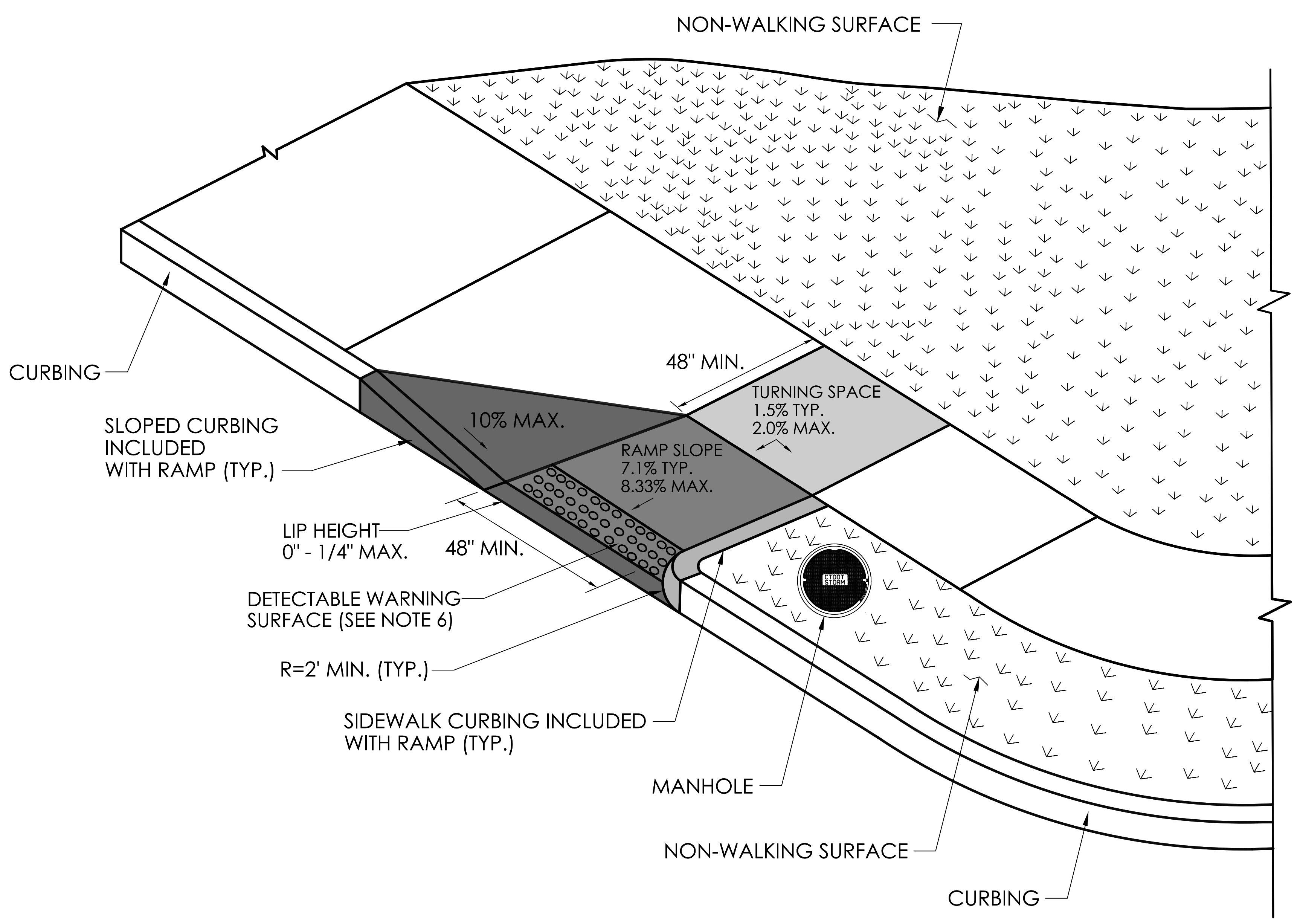
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

PROJECT NUMBER:
PROJECT DESCRIPTION:
TOWN(S):
DRAWING TITLE:

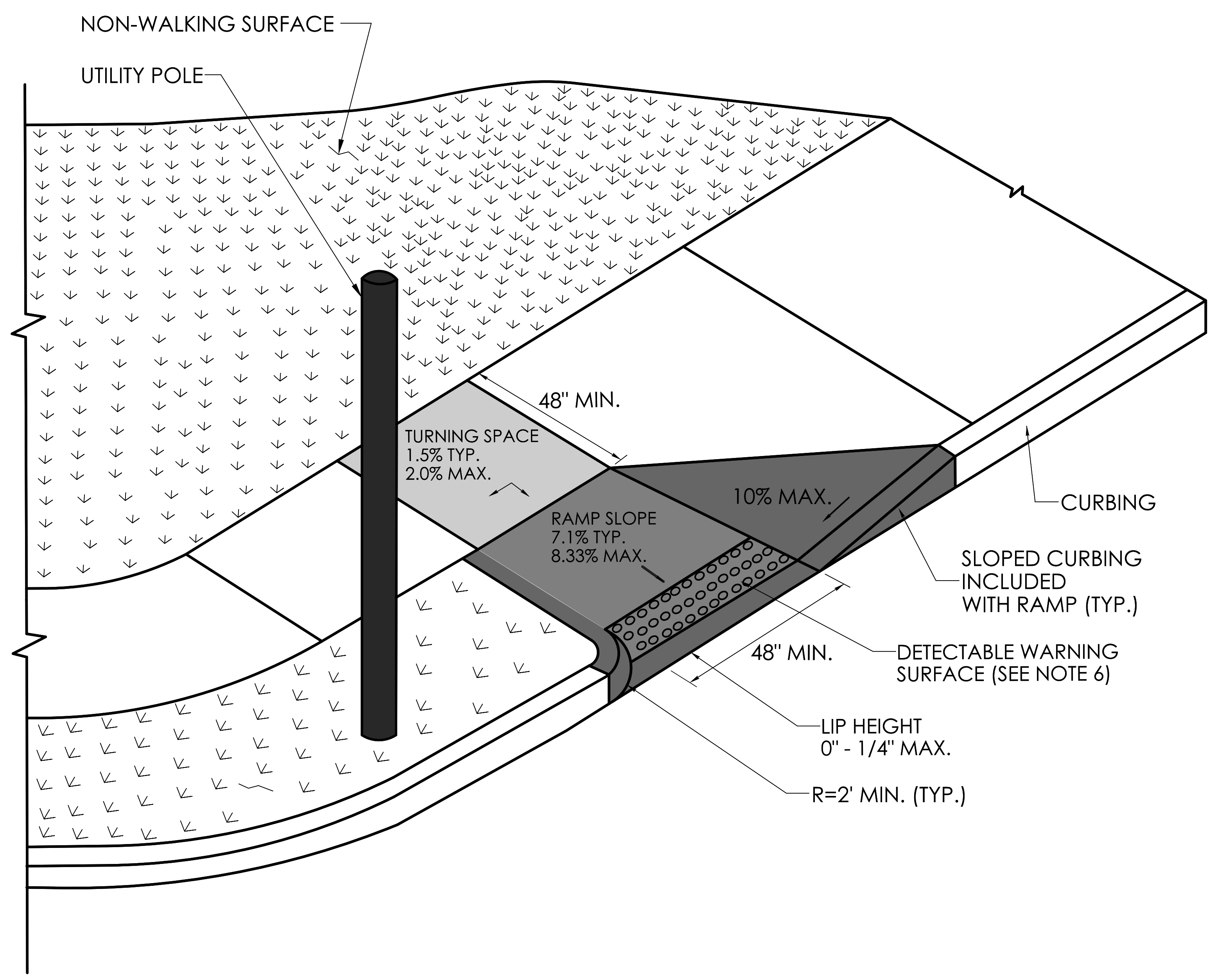
DRAWING NO.
SHEET NO.

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



NON-WALKING SURFACE
CURBING
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
48" MIN.
10% MAX.
TURNING SPACE 1.5% TYP. 2.0% MAX.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
LIP HEIGHT 0" - 1/4" MAX.
48" MIN.
DETECTABLE WARNING SURFACE (SEE NOTE 6)
R=2' MIN. (TYP.)
SIDEWALK CURBING INCLUDED WITH RAMP (TYP.)
MANHOLE
NON-WALKING SURFACE
CURBING

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

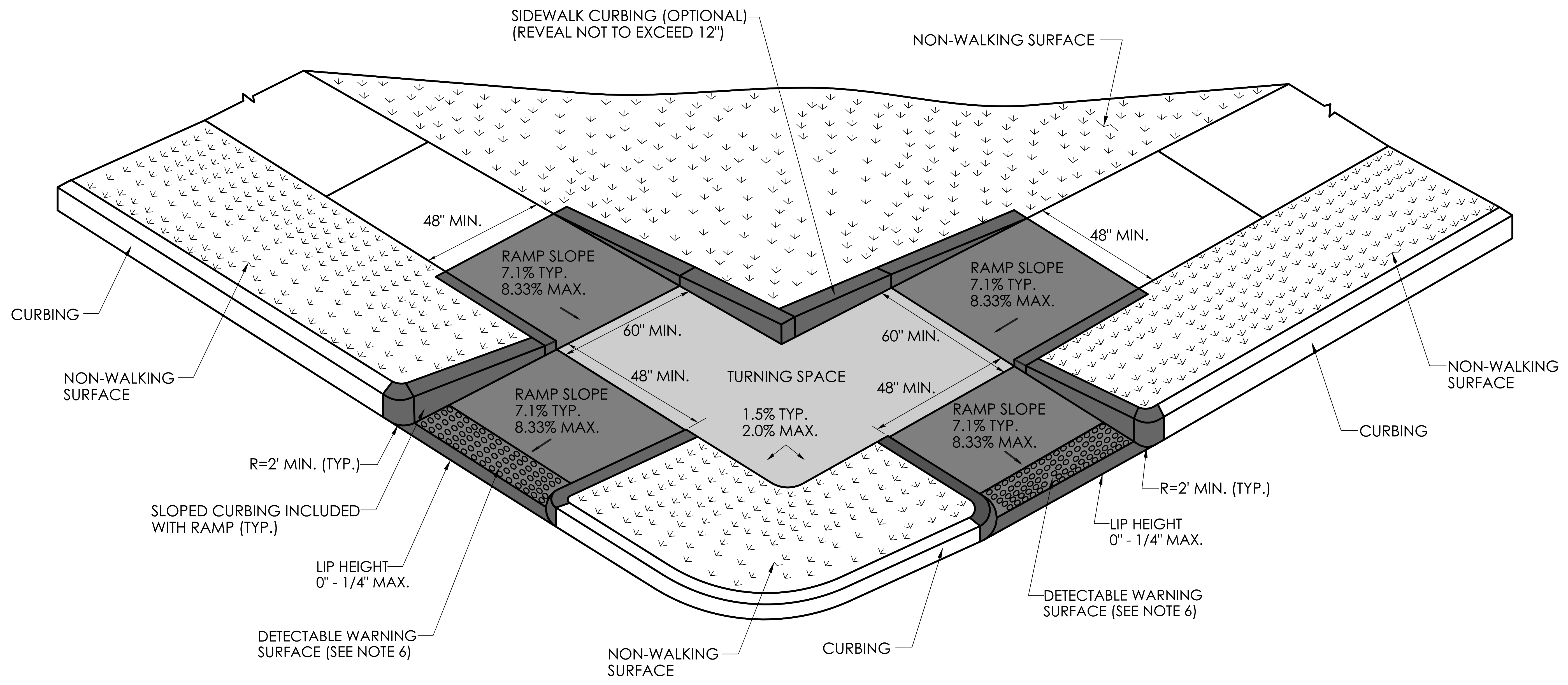


NON-WALKING SURFACE
UTILITY POLE
48" MIN.
TURNING SPACE 1.5% TYP. 2.0% MAX.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
10% MAX.
CURBING
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
48" MIN.
DETECTABLE WARNING SURFACE (SEE NOTE 6)
LIP HEIGHT 0" - 1/4" MAX.
R=2' MIN. (TYP.)

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 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.



SIDEWALK CURBING (OPTIONAL) (REVEAL NOT TO EXCEED 12")
NON-WALKING SURFACE
48" MIN.
48" MIN.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
CURBING
60" MIN.
60" MIN.
48" MIN.
TURNING SPACE
48" MIN.
NON-WALKING SURFACE
NON-WALKING SURFACE
RAMP SLOPE 7.1% TYP. 8.33% MAX.
1.5% TYP. 2.0% MAX.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
CURBING
R=2' MIN. (TYP.)
R=2' MIN. (TYP.)
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
LIP HEIGHT 0" - 1/4" MAX.
LIP HEIGHT 0" - 1/4" MAX.
DETECTABLE WARNING SURFACE (SEE NOTE 6)
DETECTABLE WARNING SURFACE (SEE NOTE 6)
NON-WALKING SURFACE
CURBING

PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 19)

REV.	DATE	REVISION DESCRIPTION

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SIGNATURE/
BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
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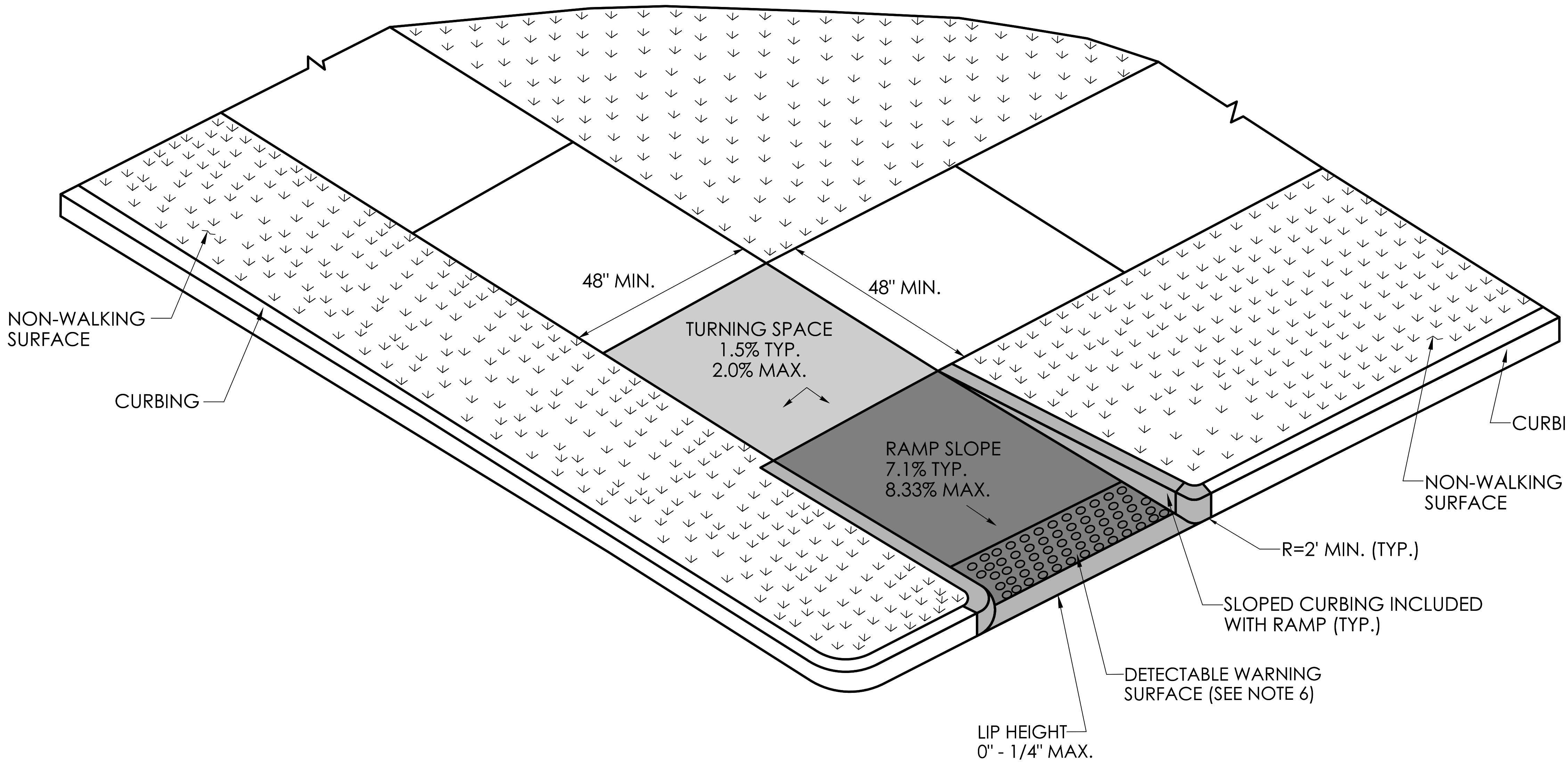
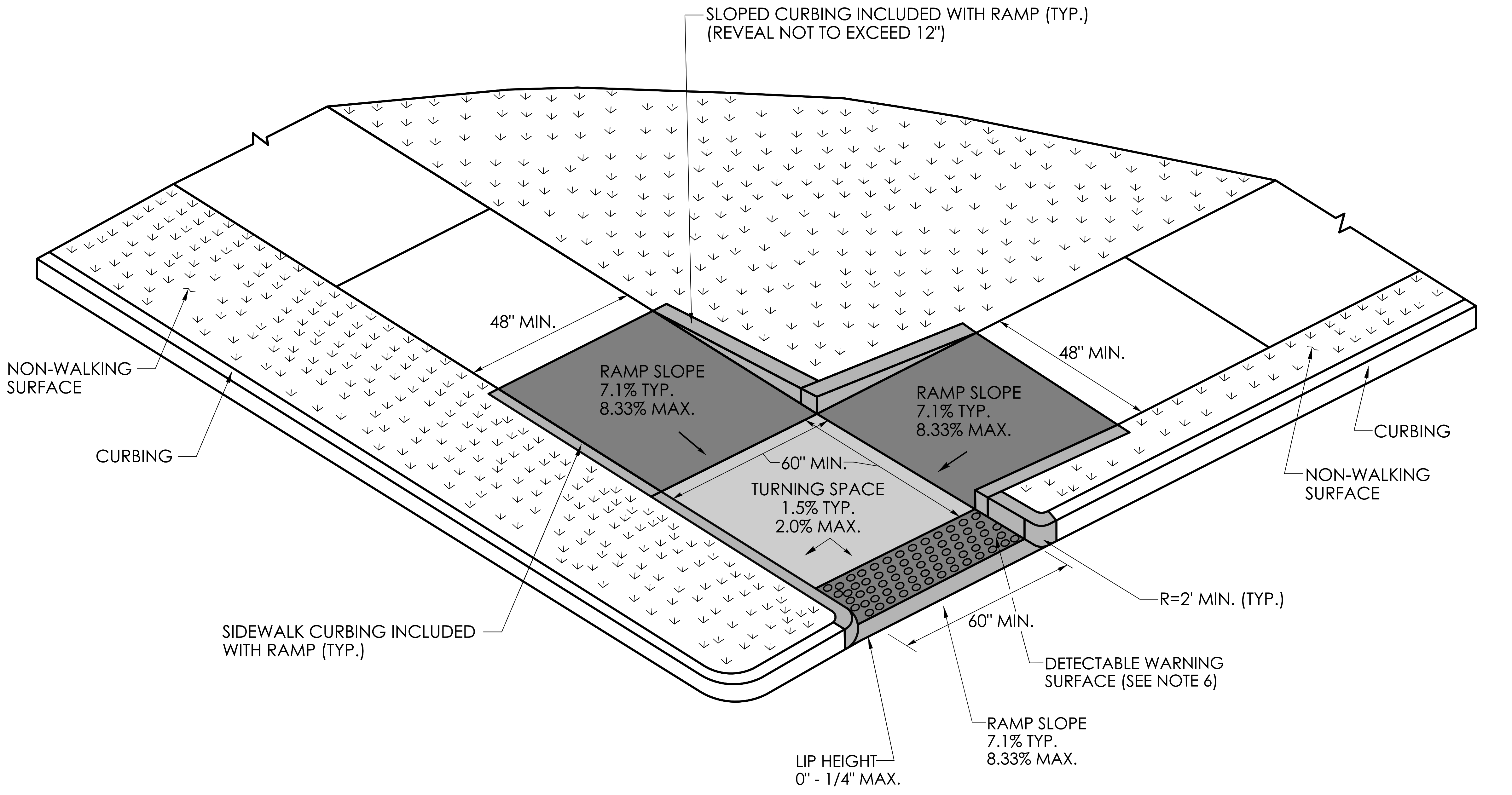
GENERAL NOTES:

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.



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

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SIGNATURE/
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NEWINGTON, CT 06111

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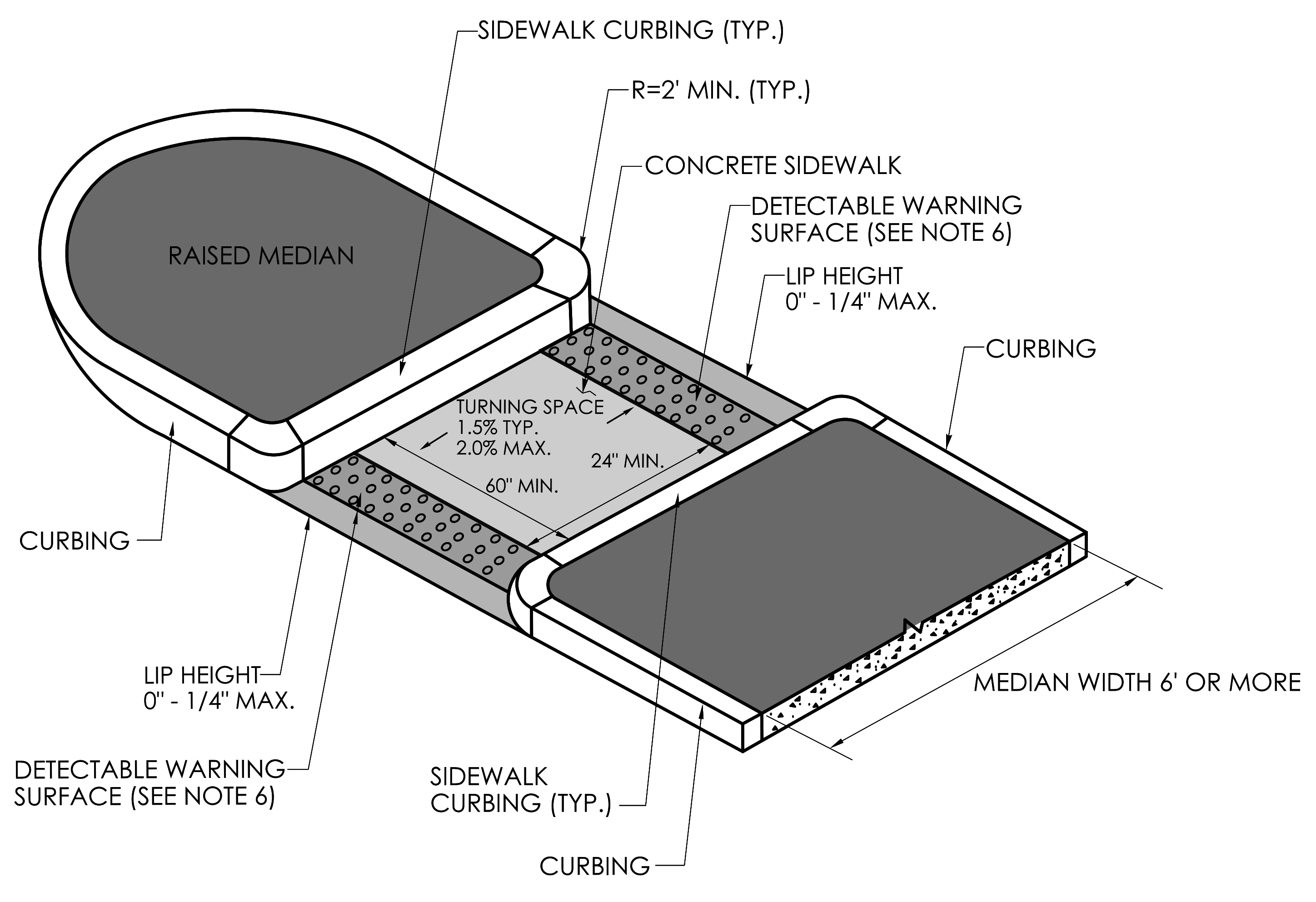
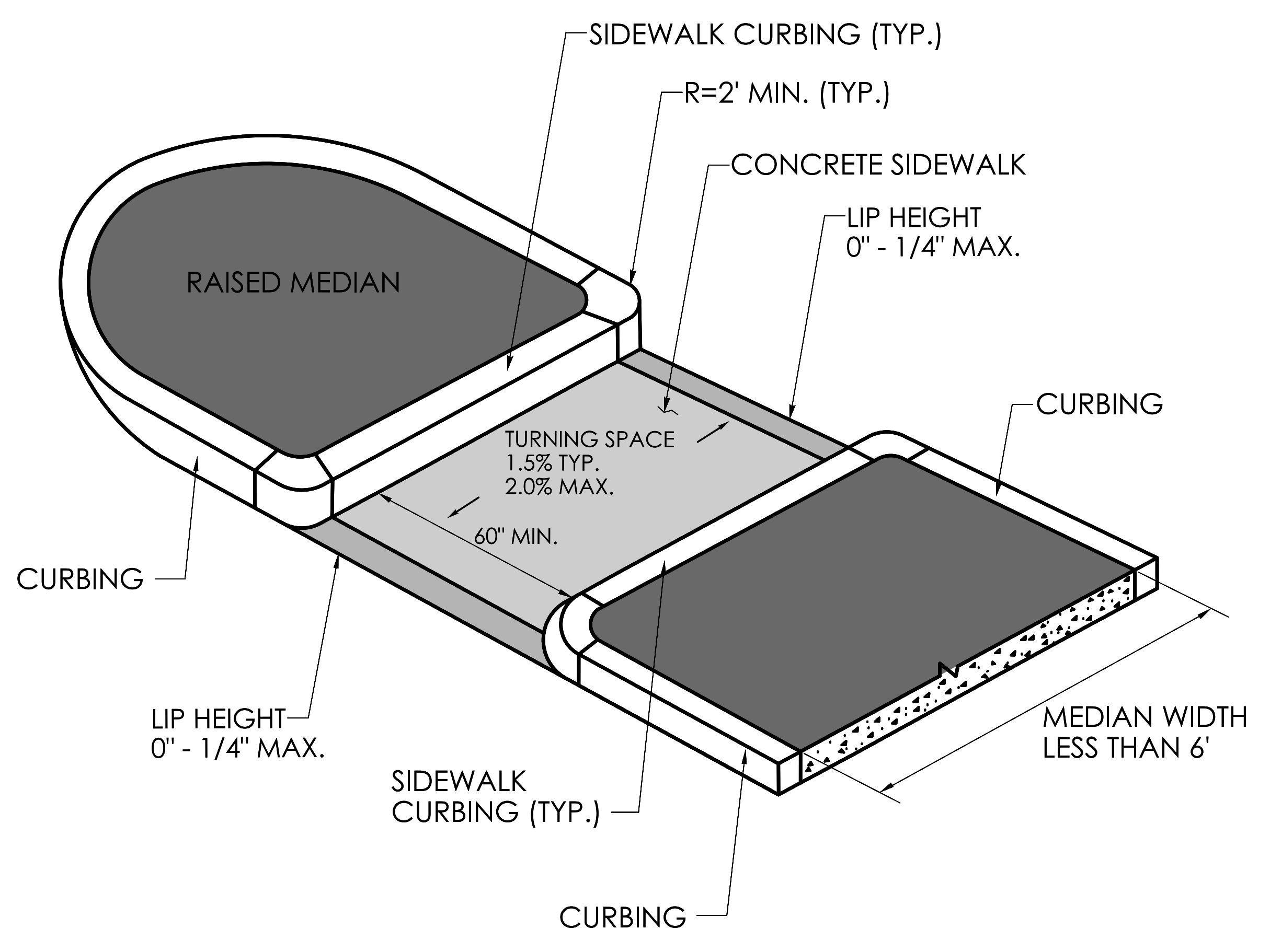
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

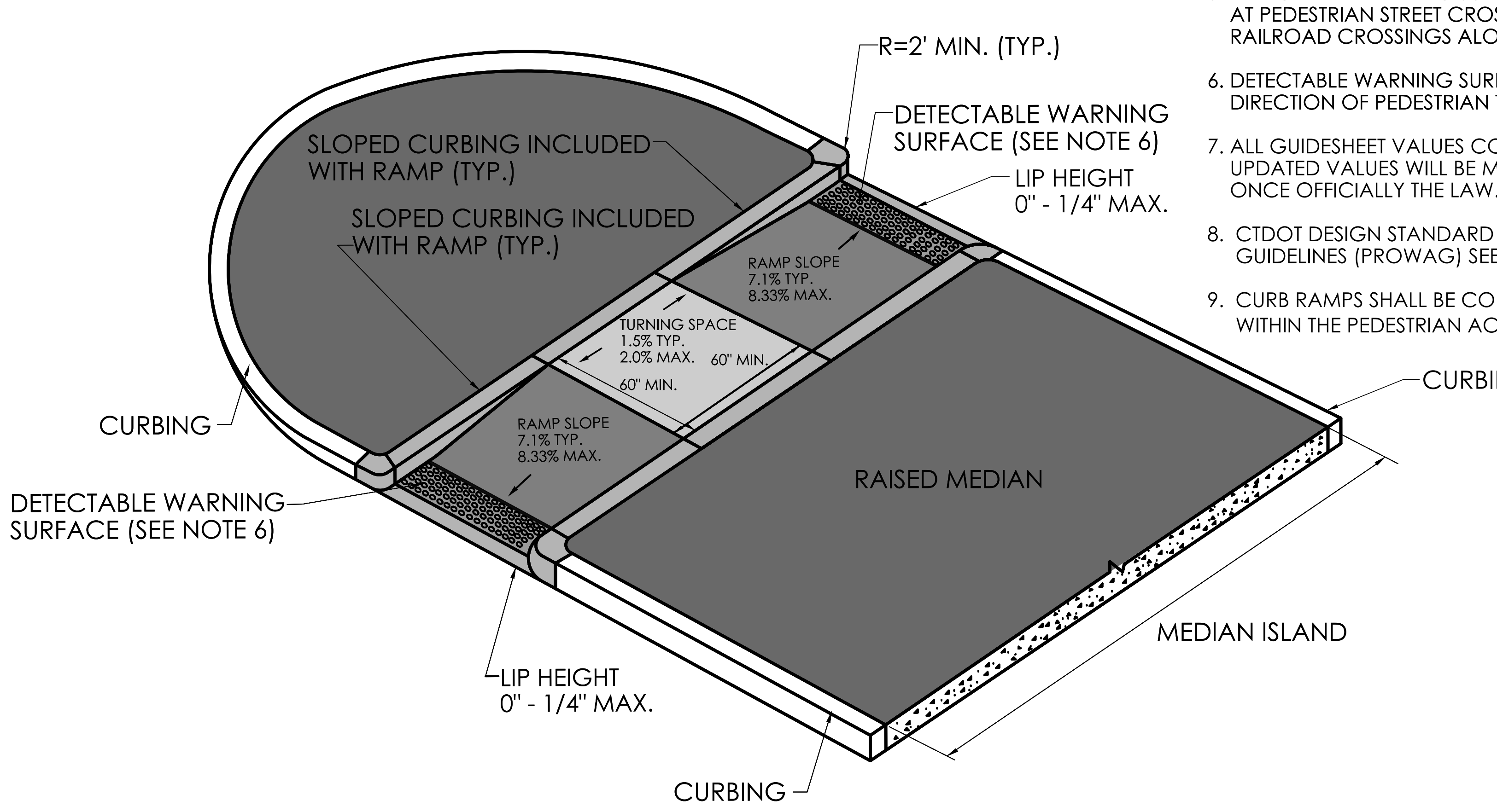
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE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


SIDEWALK CURBING (TYP.)
R=2' MIN. (TYP.)
CONCRETE SIDEWALK
DETECTABLE WARNING SURFACE (SEE NOTE 6)
LIP HEIGHT 0" - 1/4" MAX.
CURBING
RAISED MEDIAN
TURNING SPACE 1.5% TYP. 2.0% MAX.
24" MIN.
60" MIN.
CURBING
LIP HEIGHT 0" - 1/4" MAX.
DETECTABLE WARNING SURFACE (SEE NOTE 6)
SIDEWALK CURBING (TYP.)
CURBING
MEDIAN WIDTH 6' OR MORE

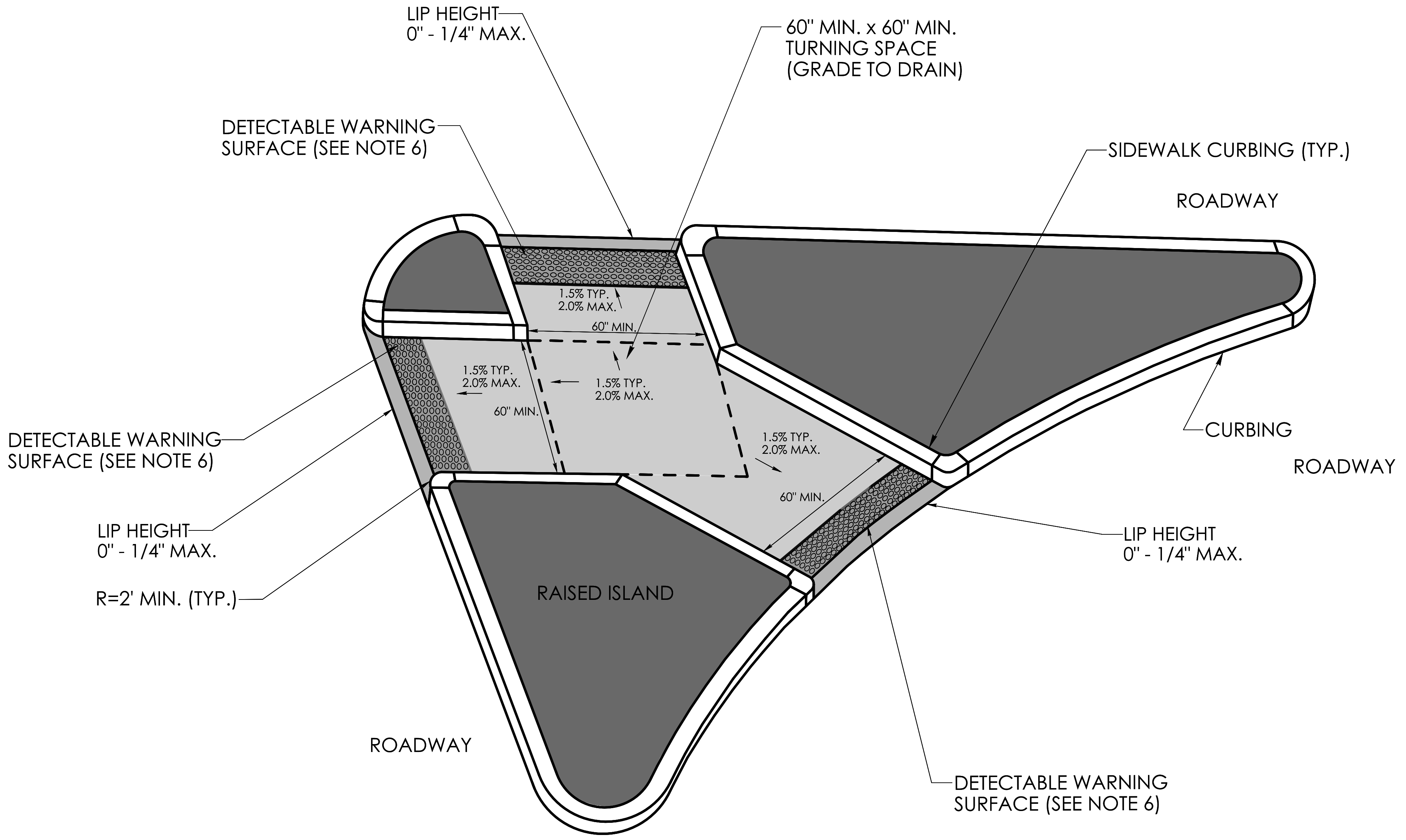
CUT-THROUGH PEDESTRIAN REFUGE ISLAND MEDIAN WIDTH 6' OR MORE (TYPE 22)



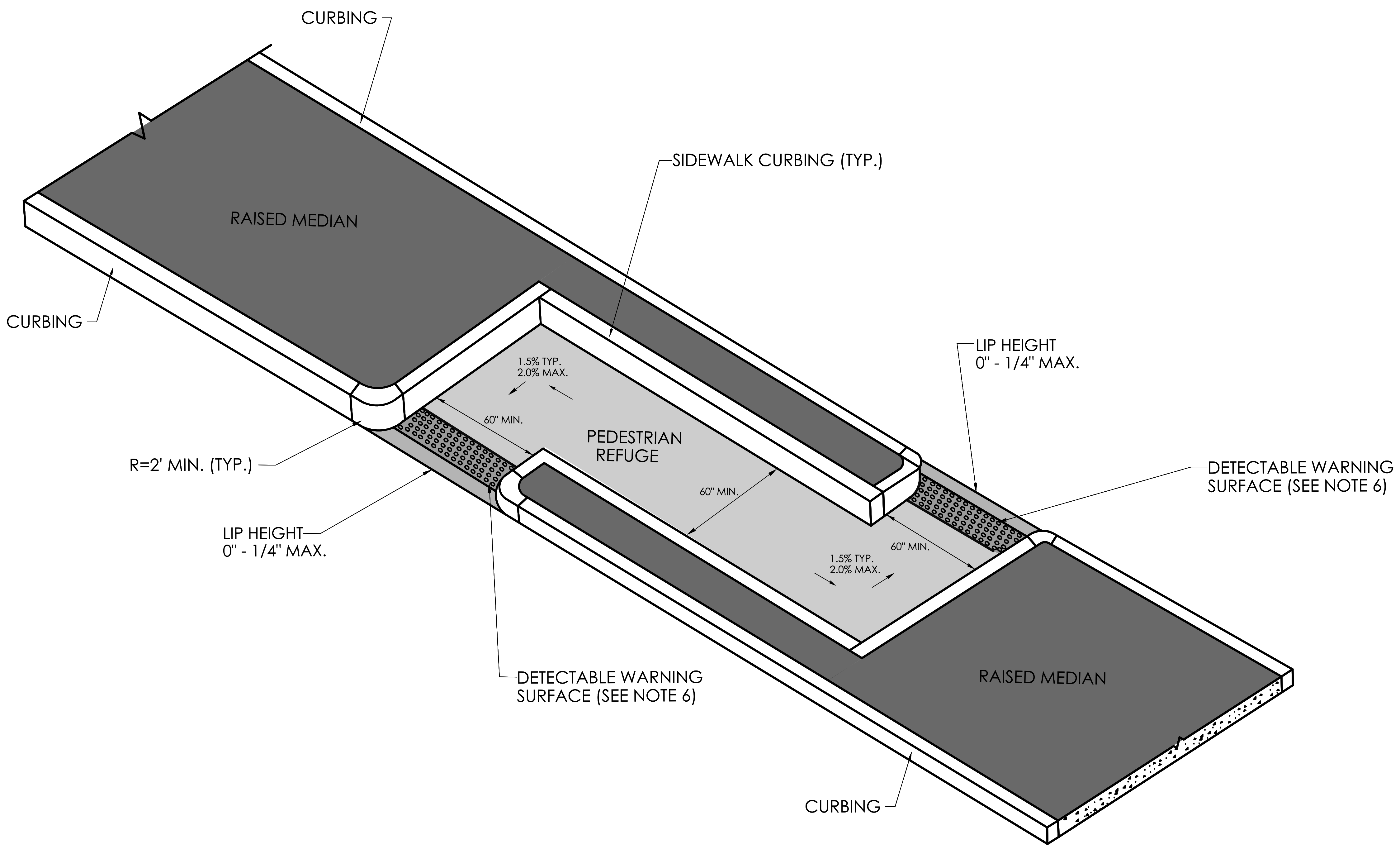
CUT-THROUGH PEDESTRIAN REFUGE ISLAND MEDIAN WIDTH LESS THAN 6' (TYPE 23)


R=2' MIN. (TYP.)
DETECTABLE WARNING SURFACE (SEE NOTE 6)
LIP HEIGHT 0" - 1/4" MAX.
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
SLOPED CURBING INCLUDED WITH RAMP (TYP.)
RAMP SLOPE 7.1% TYP. 8.33% MAX.
TURNING SPACE 1.5% TYP. 2.0% MAX.
60" MIN.
60" MIN.
RAMP SLOPE 7.1% TYP. 8.33% MAX.
CURBING
CURBING
DETECTABLE WARNING SURFACE (SEE NOTE 6)
RAISED MEDIAN
LIP HEIGHT 0" - 1/4" MAX.
MEDIAN ISLAND
CURBING

PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS (TYPE 24)


LIP HEIGHT 0" - 1/4" MAX.
60" MIN. x 60" MIN. TURNING SPACE (GRADE TO DRAIN)
DETECTABLE WARNING SURFACE (SEE NOTE 6)
SIDEWALK CURBING (TYP.)
ROADWAY
1.5% TYP. 2.0% MAX.
60" MIN.
1.5% TYP. 2.0% MAX.
1.5% TYP. 2.0% MAX.
60" MIN.
1.5% TYP. 2.0% MAX.
60" MIN.
DETECTABLE WARNING SURFACE (SEE NOTE 6)
CURBING
ROADWAY
LIP HEIGHT 0" - 1/4" MAX.
LIP HEIGHT 0" - 1/4" MAX.
R=2' MIN. (TYP.)
RAISED ISLAND
ROADWAY
DETECTABLE WARNING SURFACE (SEE NOTE 6)

CUT-THROUGH PEDESTRIAN REFUGE ISLAND (TYPE 25)



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

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DESIGNER/DRAFTER:
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2800 BERLIN TURNPIKE
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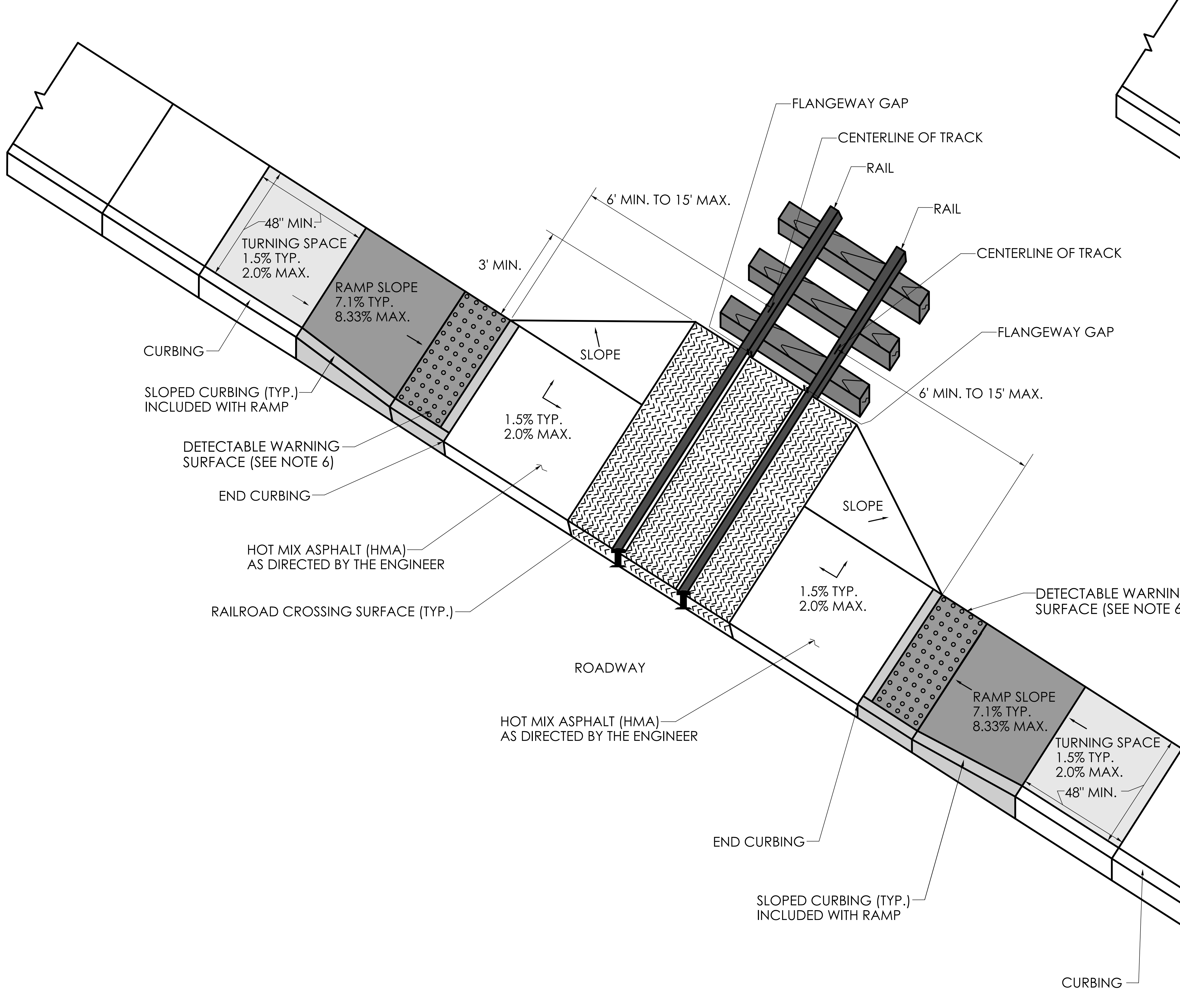
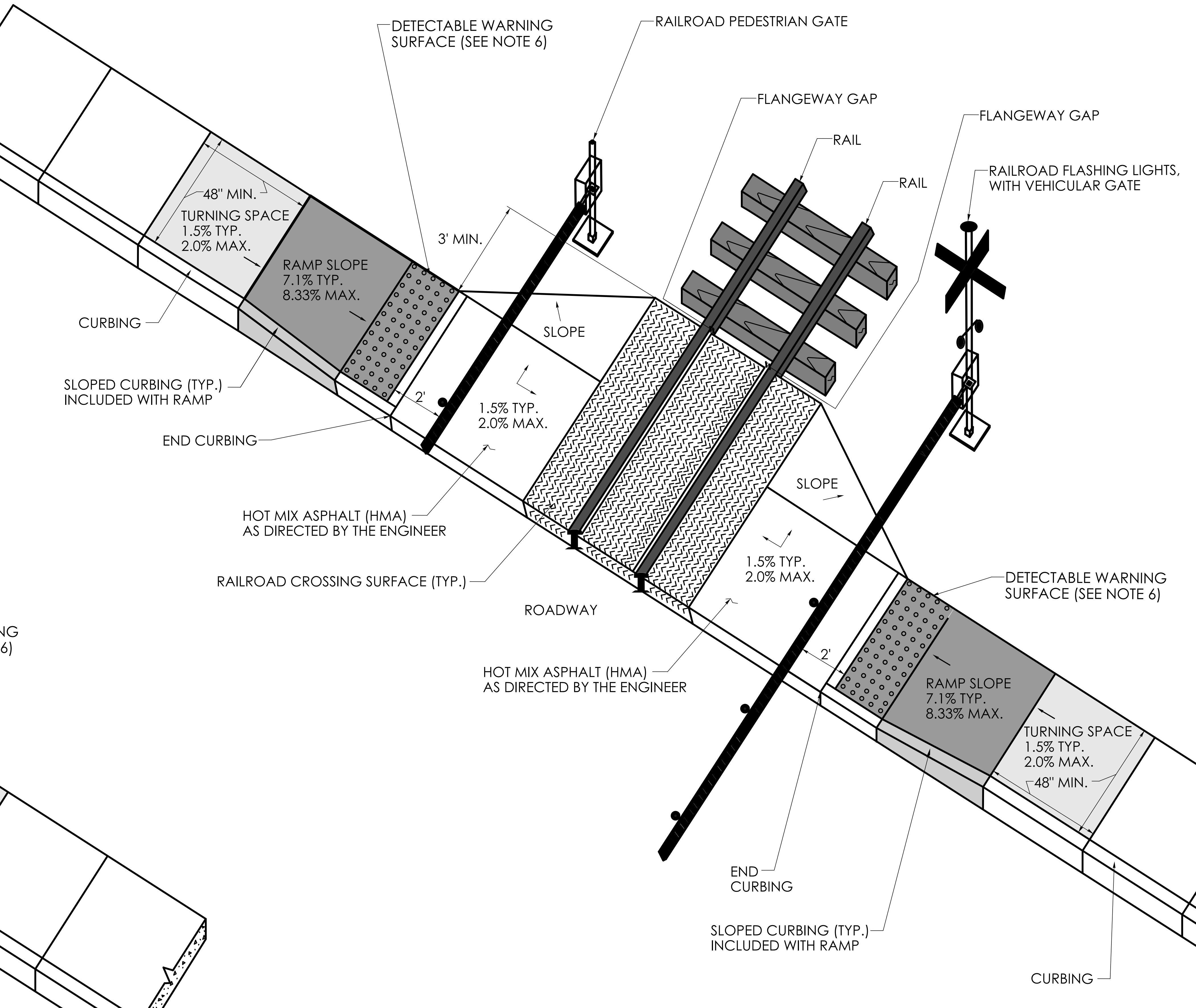


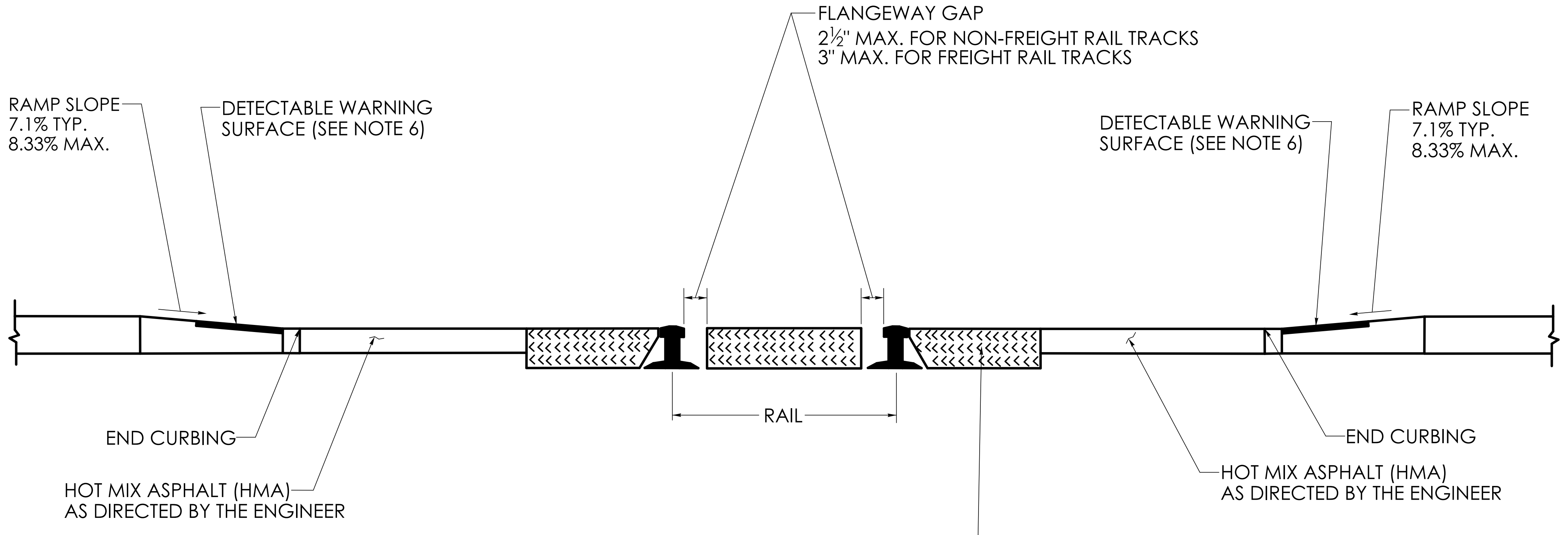
RAILROAD CROSSING RAMP
WITHOUT GATE
(TYPE 27)



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.


FLANGEWAY GAP
2½" MAX. FOR NON-FREIGHT RAIL TRACKS
3" MAX. FOR FREIGHT RAIL TRACKS
RAMP SLOPE
7.1% TYP.
8.33% MAX.
DETECTABLE WARNING
SURFACE (SEE NOTE 6)
DETECTABLE WARNING
SURFACE (SEE NOTE 6)
RAMP SLOPE
7.1% TYP.
8.33% MAX.
RAIL
END CURBING
HOT MIX ASPHALT (HMA)
AS DIRECTED BY THE ENGINEER
END CURBING
HOT MIX ASPHALT (HMA)
AS DIRECTED BY THE ENGINEER
RAILROAD CROSSING SURFACE (TYP.) COMPLETE
TRANSITION TO ROADWAY PROFLE BEHIND
DETECTABLE WARNING SURFACE.

SECTION

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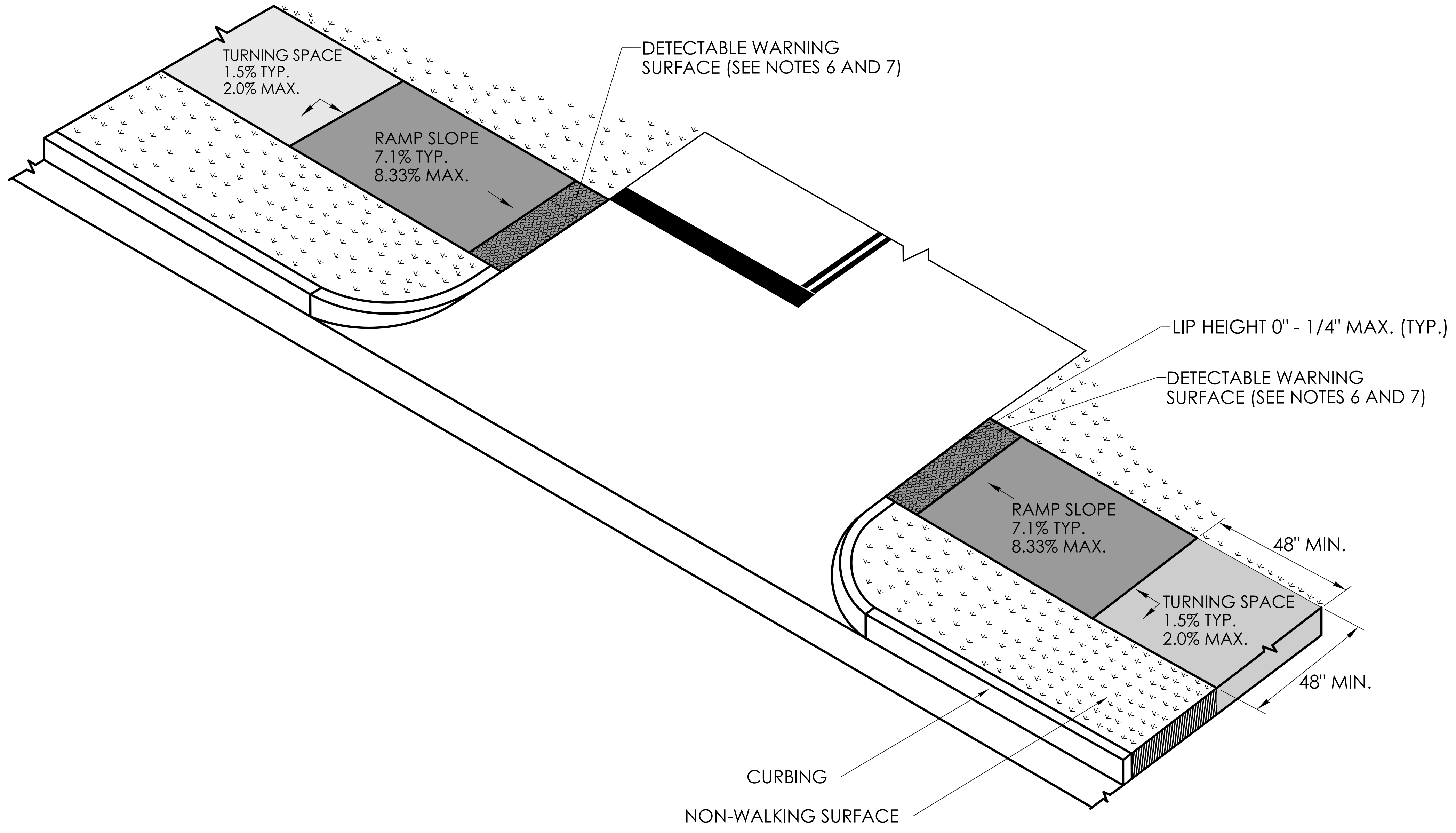
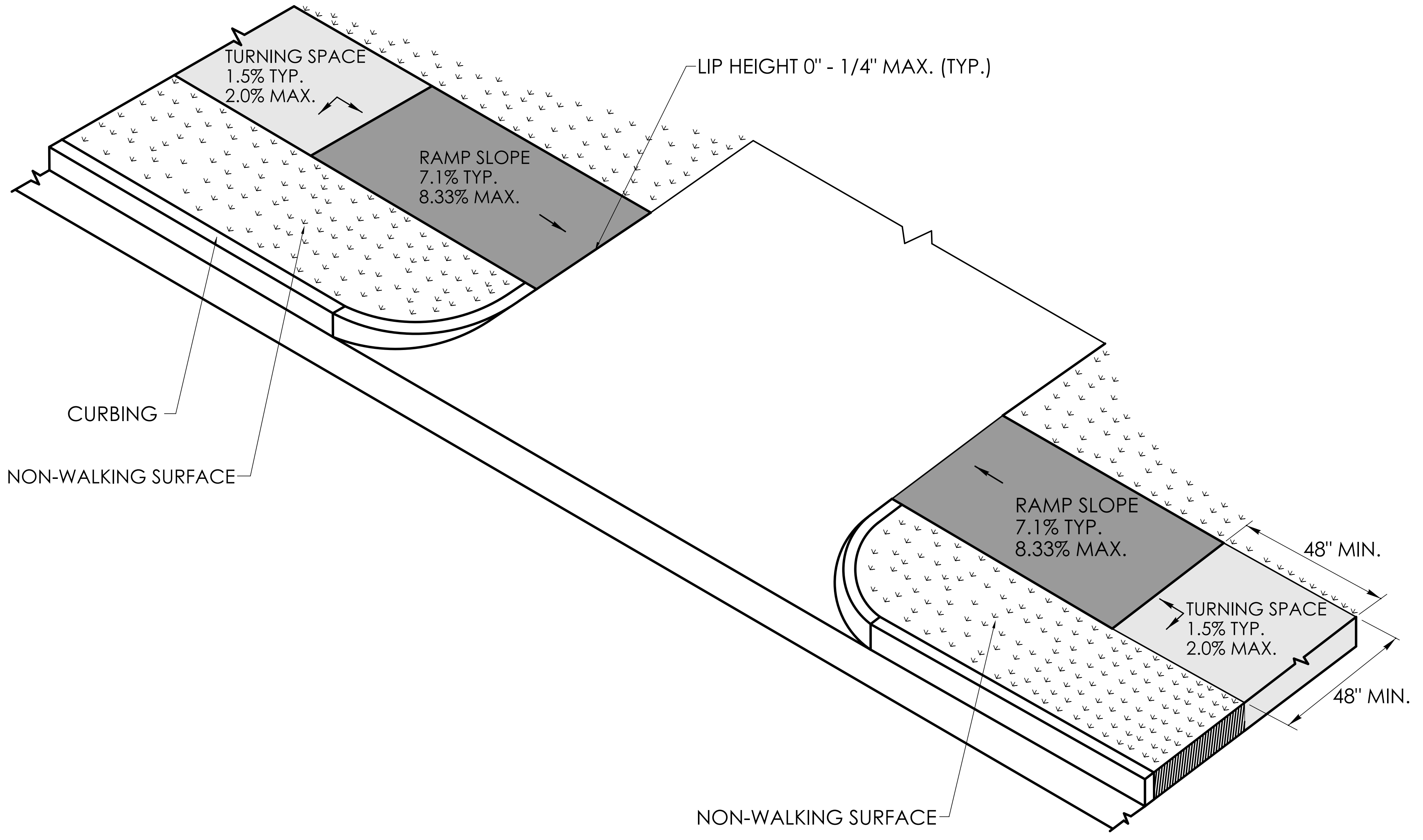


DRIVEWAY CROSSING SIGNALIZED, STOP CONTROLLED OR YIELD WITH DETECTABLE WARNING SURFACE AND NON WALKING SURFACE

(TYPE 29)

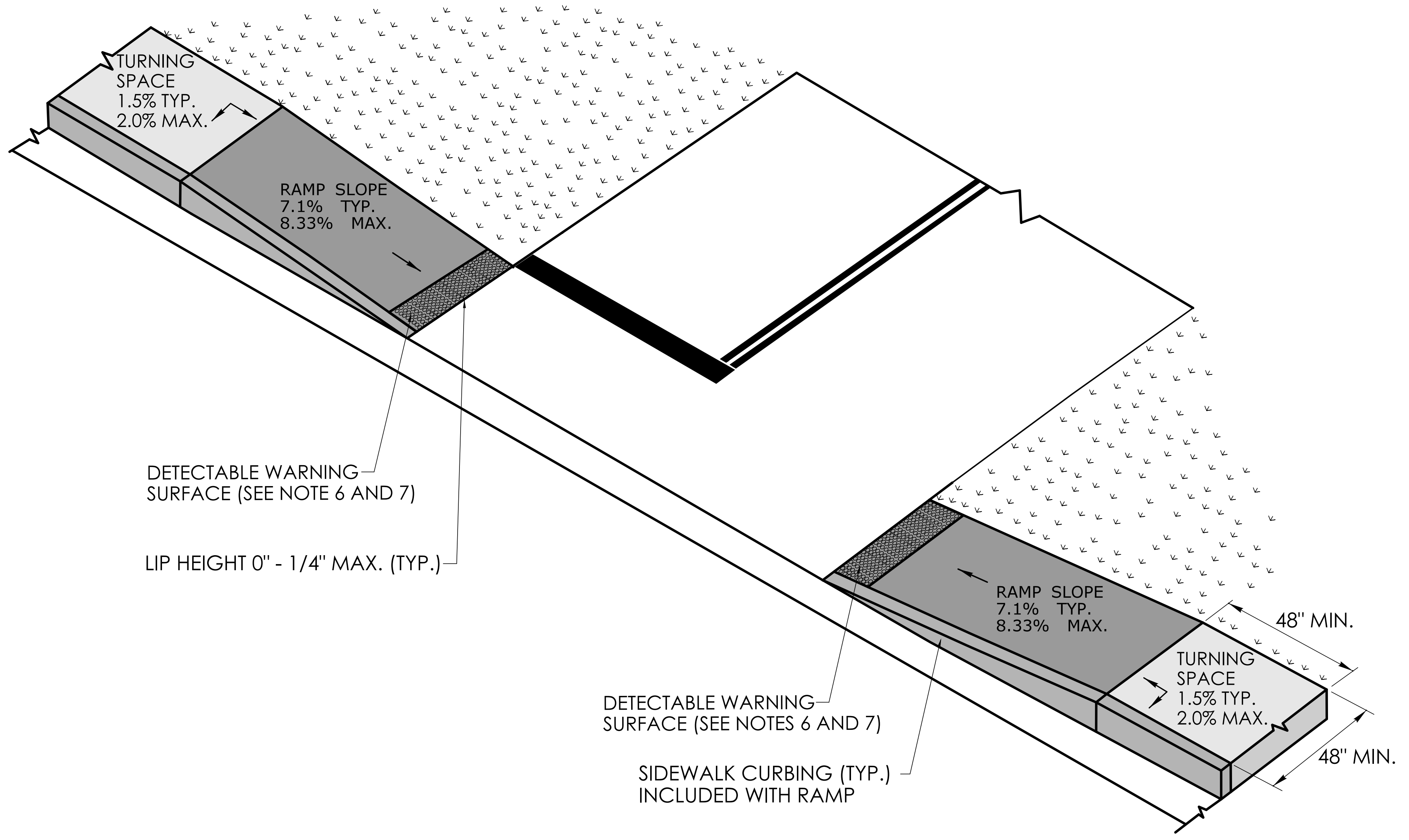


UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING WITH NON WALKING SURFACE

(TYPE 30)

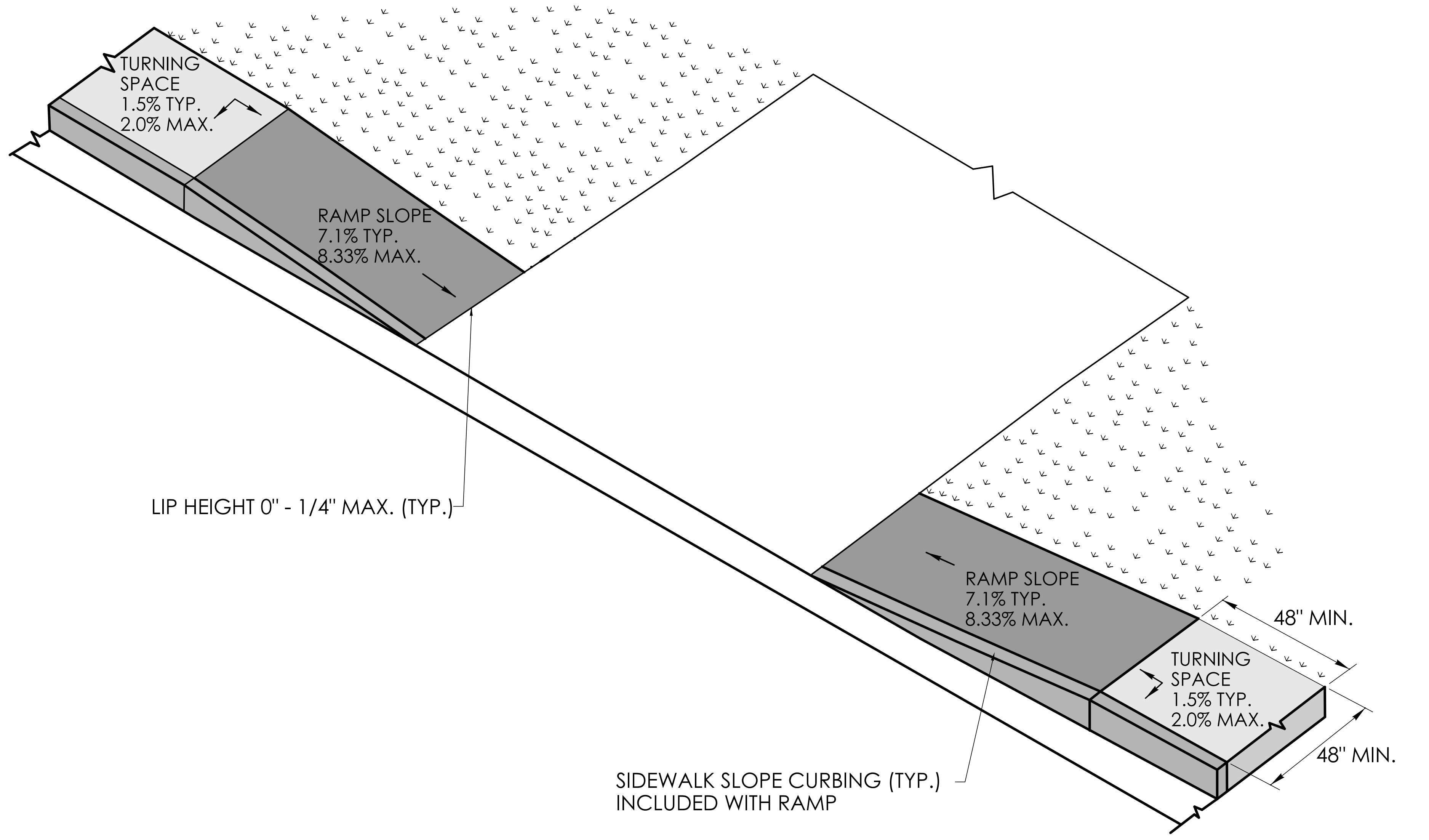
GENERAL NOTES:

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:

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2800 BERLIN TURNPIKE
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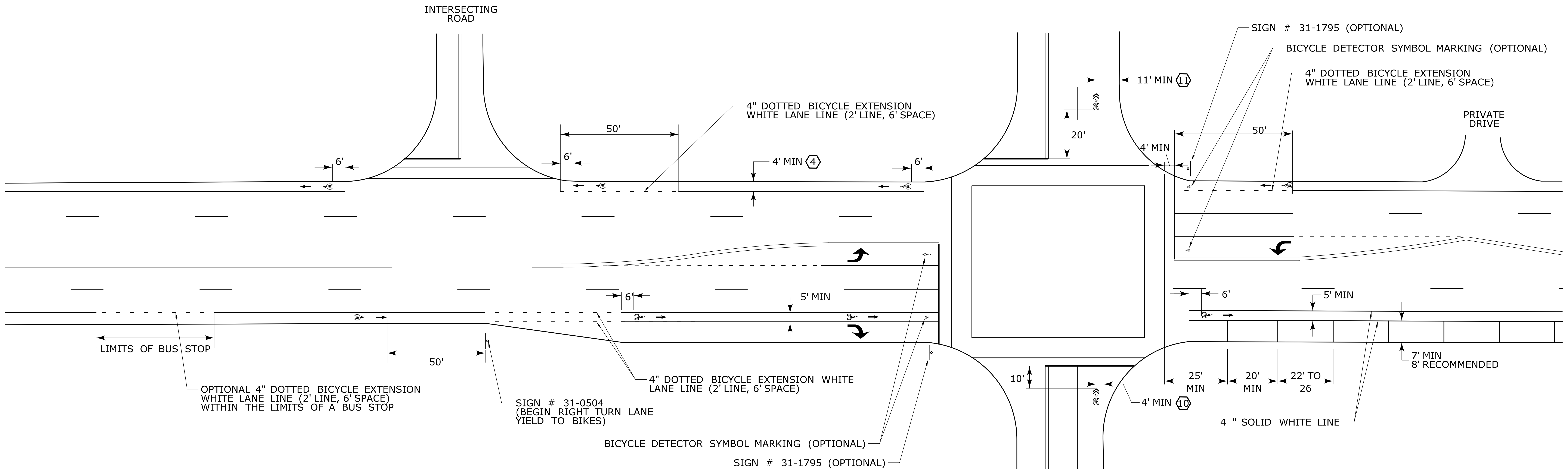
TYPICAL BICYCLE LANE AND SHARROW MARKING DETAIL


INTERSECTING ROAD
6'
6'
50'
4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE)
4' MIN ④
6'
20'
11' MIN ⑪
SIGN # 31-1795 (OPTIONAL)
BICYCLE DETECTOR SYMBOL MARKING (OPTIONAL)
4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE)
4' MIN
50'
PRIVATE DRIVE
6'
5' MIN
6'
5' MIN
LIMITS OF BUS STOP
50'
OPTIONAL 4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE) WITHIN THE LIMITS OF A BUS STOP
SIGN # 31-0504 (BEGIN RIGHT TURN LANE YIELD TO BIKES)
4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE)
BICYCLE DETECTOR SYMBOL MARKING (OPTIONAL)
SIGN # 31-1795 (OPTIONAL)
10'
4' MIN ⑩
25' MIN
20' MIN
22' TO 26
7' MIN 8' RECOMMENDED
4 " SOLID WHITE LINE

NOTES:

1. BICYCLE PAVEMENT MARKINGS AND GREEN PAVEMENT TO BE OWNED AND MAINTAINED BY THE MUNICIPALITY.

2. MUNICIPALITY MUST OBTAIN FHWA INTERIM APPROVAL FOR BICYCLE BOX INSTALLATION AND COMPLY WITH THE REQUIREMENTS OF FHWA INTERIM APPROVAL No. IA-18, OPTIONAL USE OF AN INTERSECTION BICYCLE BOX. BICYCLE BOX USE IS LIMITED TO SIGNALIZED INTERSECTIONS.

3. MUNICIPALITY MUST OBTAIN FHWA INTERIM APPROVAL FOR GREEN PAVEMENT INSTALLATION AND COMPLY WITH THE REQUIREMENTS OF FHWA INTERIM APPROVAL No. IA-14, OPTIONAL USE OF GREEN COLORED PAVEMENT FOR BIKE LANES AND FHWA INTERPRETATION LETTER 9(09)-86(I), CHROMATICITY REQUIREMENTS FOR GREEN-COLORED PAVEMENT. GREEN COLORED PAVEMENT MAY BE INSTALLED ONLY WITHIN A BICYCLE LANE OR WITHIN AN EXTENSION OF A BICYCLE LANE.

④ 5 FEET WIDE BICYCLE LANES SHOULD BE USED IF IMMEDIATELY ADJACENT TO A CURB, GUIDE RAIL, OR OTHER VERTICAL SURFACES.

5. MARKINGS USED ON BIKEWAYS SHALL BE RETROREFLECTORIZED.

6. BICYCLE LANES MARKINGS SHOULD BE SPACED AT INTERVALS NO GREATER THAN 500 FT.

7. IF USED, SHARED LANE MARKINGS SHOULD BE SPACED AT INTERVALS NO GREATER THAN 250 FT.

8. SHARED LANE MARKINGS SHOULD NOT BE PLACED ON ROADWAYS THAT HAVE A SPEED LIMIT ABOVE 35 MPH.

9. BICYCLE DETECTOR SYMBOL MARKINGS MAY BE PLACED ON THE PAVEMENT INDICATING THE OPTIMUM POSITION FOR A BICYCLIST TO ACTUATE THE SIGNAL. THE LOCATION OF THE MARKINGS SHALL BE SPECIFIED ON THE SIGNAL PLAN. THE MARKINGS MAY BE SUPPLEMENTED BY SIDE MOUNTED SIGN # 31-1795.

⑩ ON STREETS WITHOUT ON-STREET PARKING AND WITH OUTSIDE TRAVEL LANES LESS THAN 14 FEET WIDE, THE CENTERS OF THE SHARED LANE MARKINGS SHOULD BE AT LEAST 4 FEET FROM THE FACE OF THE CURB, OR FROM THE EDGE OF THE PAVEMENT WHERE THERE IS NO CURB.

⑪ ON STREETS WITH ON-STREET PARKING THE CENTERS OF THE SHARED LANE MARKINGS SHOULD BE AT LEAST 11 FEET FROM THE FACE OF THE CURB, OR FROM THE EDGE OF THE PAVEMENT WHERE THERE IS NO CURB.

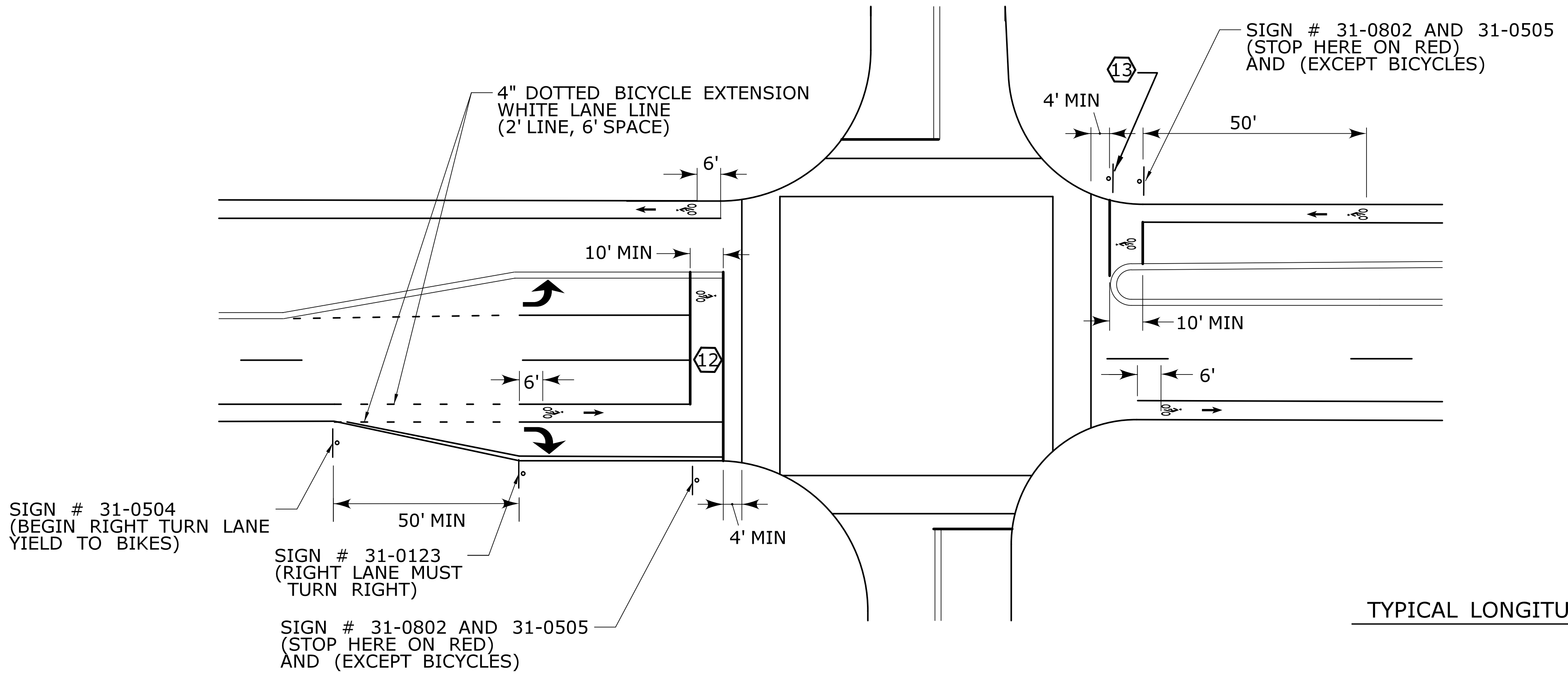
⑫ COUNTDOWN PEDESTRIAN SIGNAL HEADS ARE REQUIRED FOR BICYCLE BOXES LOCATED ACROSS MULTILANE APPROACHES.

⑬ TURNS ON RED SHALL BE PROHIBITED FROM THE APPROACH WHERE A BICYCLE BOX IS PLACED USING A NO TURN ON RED (R10-11 SERIES) SIGN.

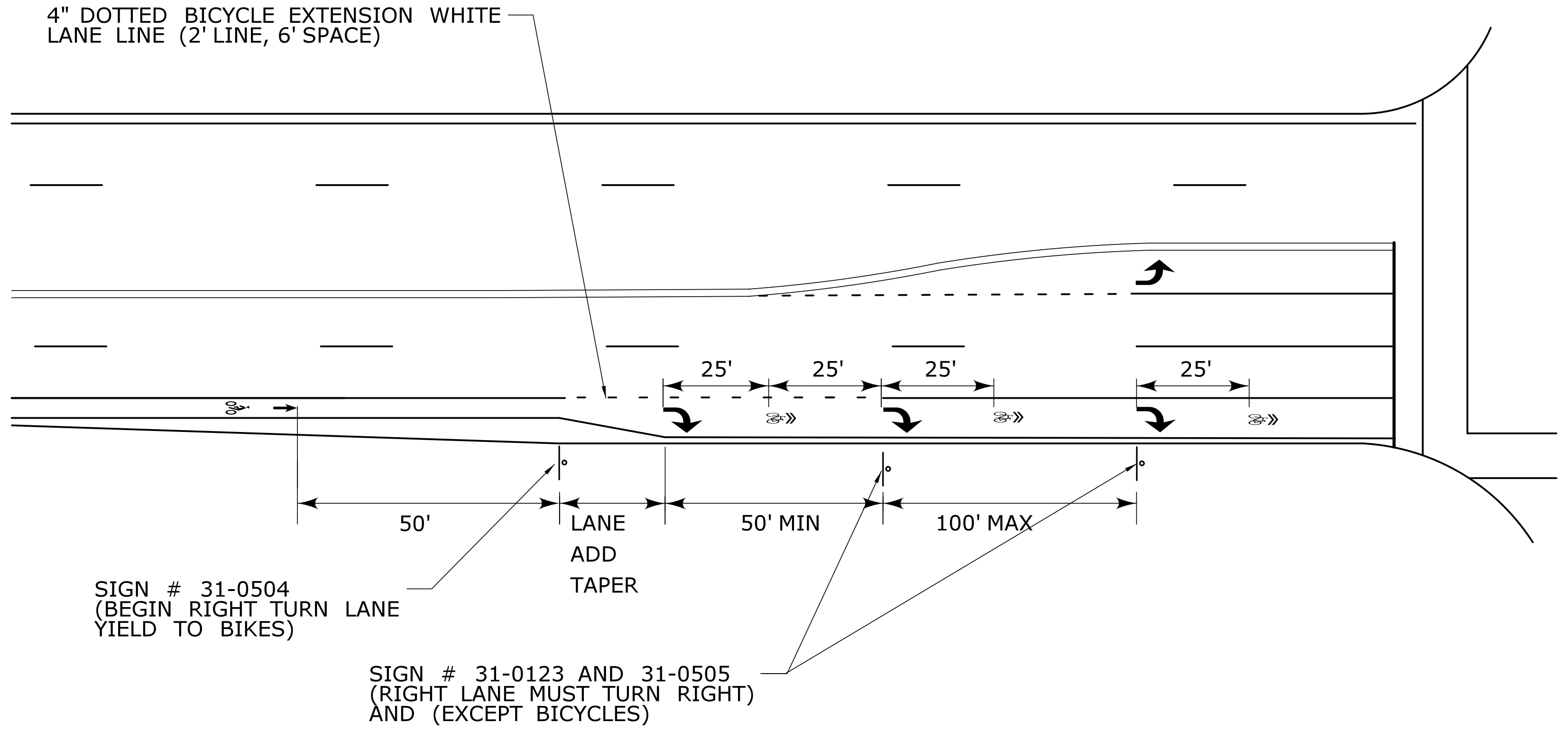
14. AREA OF PAVEMENT MARKING SYMBOLS AS INDICATED IS APPROXIMATE.

15. REFER TO STANDARD SHEET TR-1210_04 FOR PAVEMENT MARKING LINE DETAILS.

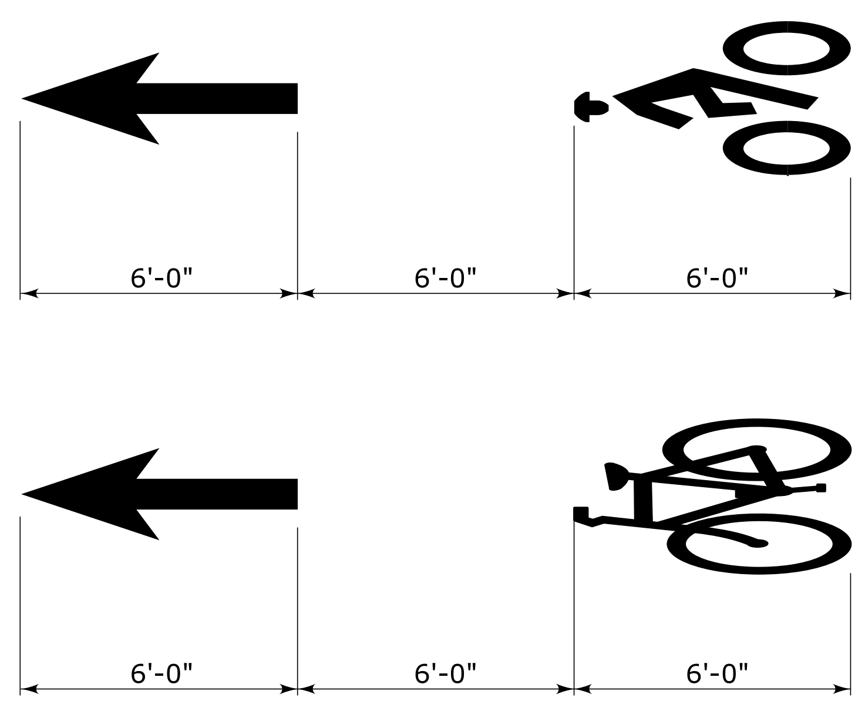
TYPICAL BICYCLE BOX DETAIL


4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE)
SIGN # 31-0802 AND 31-0505 (STOP HERE ON RED) AND (EXCEPT BICYCLES)
⑬
4' MIN
50'
6'
10' MIN
⑫
6'
10' MIN
6'
SIGN # 31-0504 (BEGIN RIGHT TURN LANE YIELD TO BIKES)
50' MIN
4' MIN
SIGN # 31-0123 (RIGHT LANE MUST TURN RIGHT)
SIGN # 31-0802 AND 31-0505 (STOP HERE ON RED) AND (EXCEPT BICYCLES)

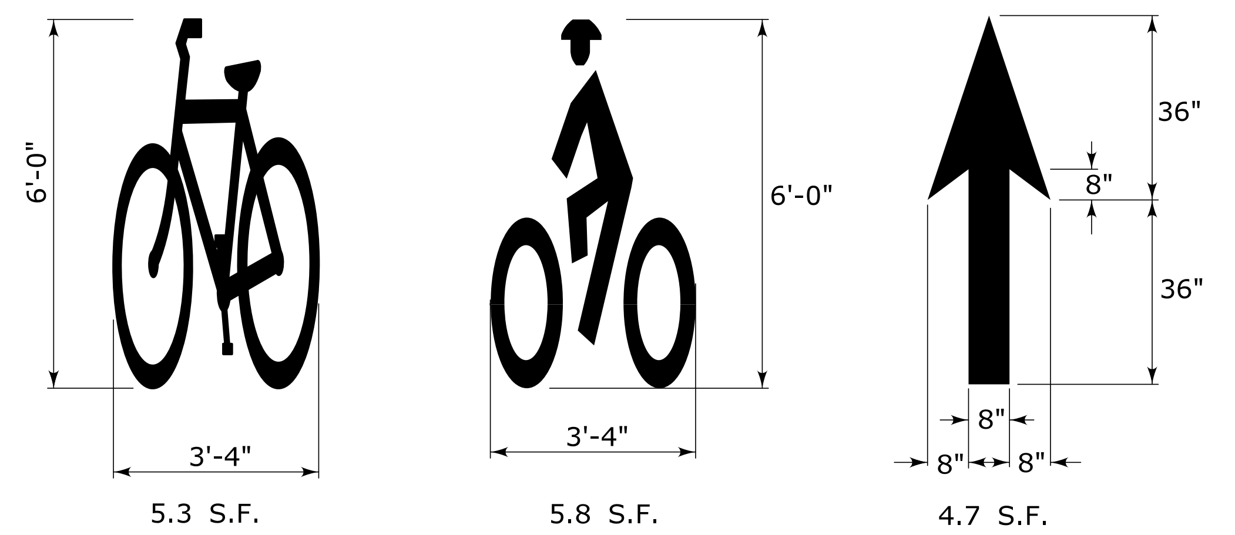
TYPICAL SHARED BICYCLE LANE AND TURN LANE DETAIL


4" DOTTED BICYCLE EXTENSION WHITE LANE LINE (2' LINE, 6' SPACE)
25'
25'
25'
25'
50'
LANE ADD TAPER
50' MIN
100' MAX
SIGN # 31-0504 (BEGIN RIGHT TURN LANE YIELD TO BIKES)
SIGN # 31-0123 AND 31-0505 (RIGHT LANE MUST TURN RIGHT) AND (EXCEPT BICYCLES)

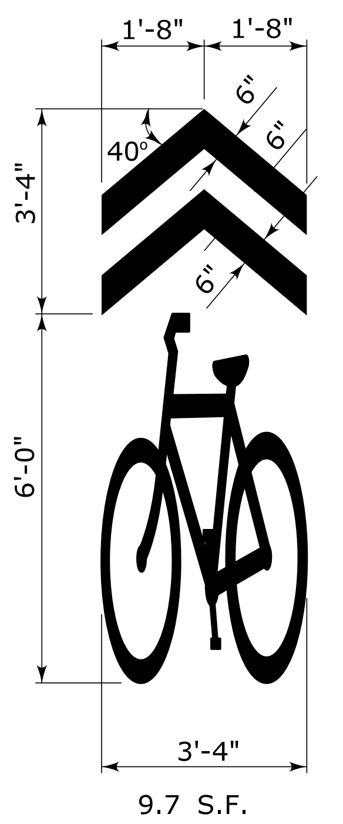
TYPICAL LONGITUDINAL SPACING



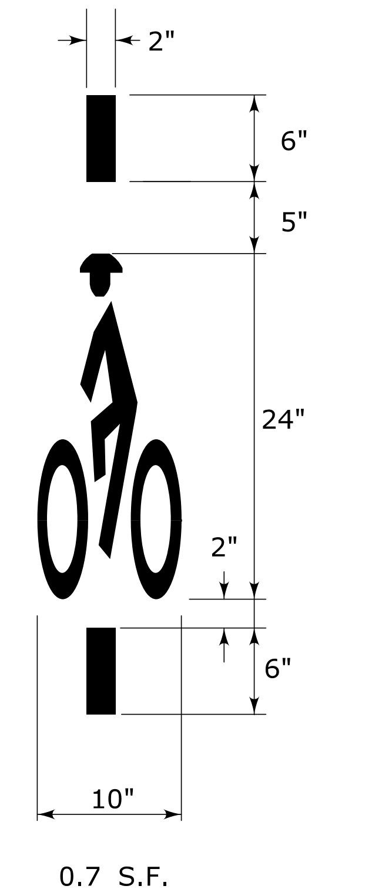
BICYCLE LANE SYMBOL MARKINGS



SHARED LANE SYMBOL MARKING



BICYCLE DETECTOR SYMBOL MARKING



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: 3/10/2017

DESIGNER/DRAFTER: -

CHECKED BY: -

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Bike Lane\BF-GS_01.dgn

SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

TOWN:

DRAWING TITLE:
BICYCLE FACILITIES
TYPICAL DETAILS

PROJECT NO.

DRAWING NO.
BF-GS_01

SHEET NO.

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

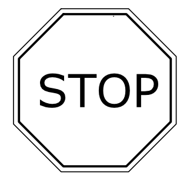
OFFICE OF ENGINEERING

TRAFFIC ENGINEERING
GUIDE SHEET INDEX

GUIDE SHEET NO.:
TR-GS_INDEX

R1 - SERIES

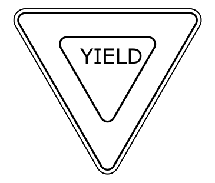
R1-1 *



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

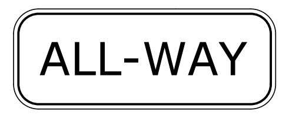
R1-2 *



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 *

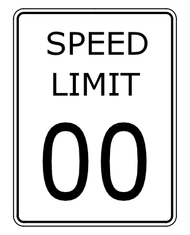


LEGEND - WHITE
BACKGROUND - RED

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

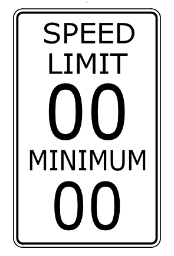
R2 - SERIES

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

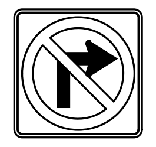
R2-4a



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

R3 - SERIES

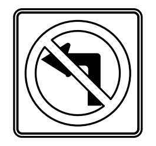
R3-1



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

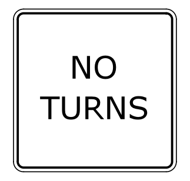
R3-2



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

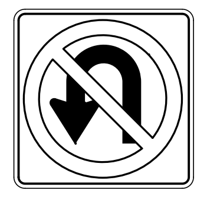
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603	1	.080
9.00	36X36	31-1629	2	.080

R3-3



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

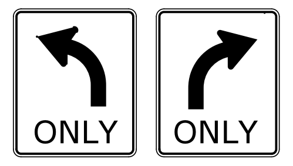
R3-4



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

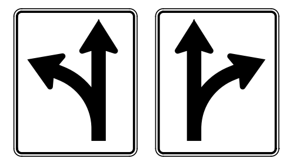
R3-5



31-0183 31-0184

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

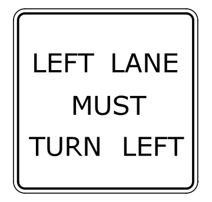
R3-6



31-0157 31-0158

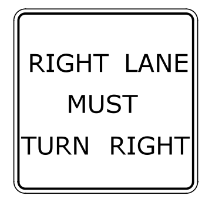
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-7



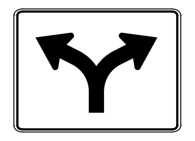
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117	1	.080
9.00	36X36	31-0120	2	.080

R3-7



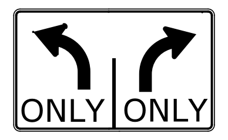
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0118	1	.080
9.00	36X36	31-0123	2	.080

R3-6



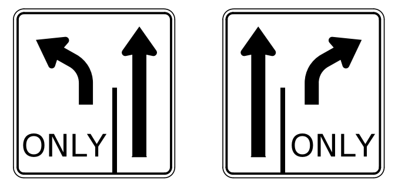
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X24	31-0175	1	.080

R3-8



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

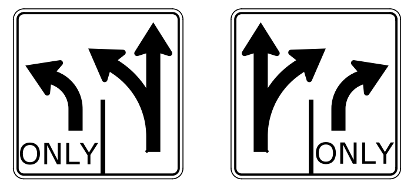
R3-8



31-0222 31-0223

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

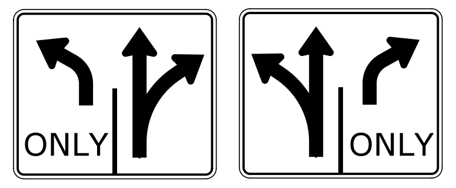
R3-8



31-0262 31-0261

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

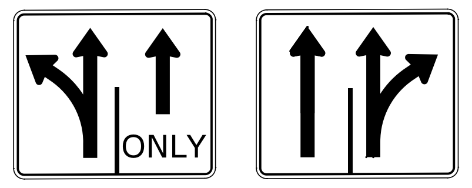
R3-8



31-0282 31-0283

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

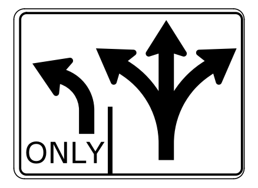
R3-8



31-0295 31-0219

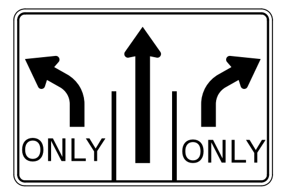
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8



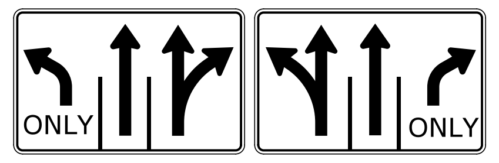
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

R3-8b



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

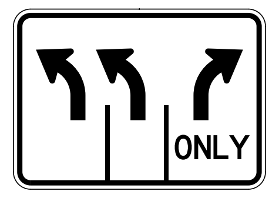
R3-8b



31-0307 31-0372

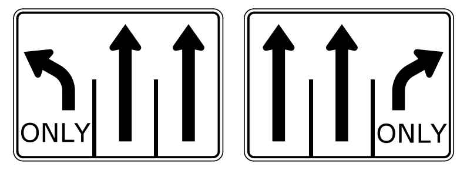
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

R3-8b



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

R3-8b

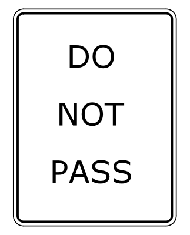


31-0370 31-0371

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

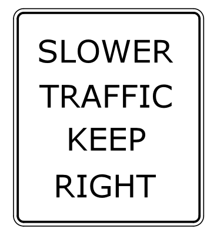
R4 - SERIES

R4-1



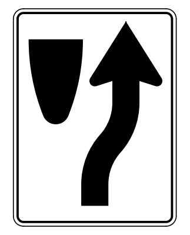
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080

R4-3



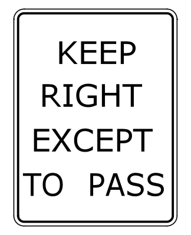
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2	.100

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

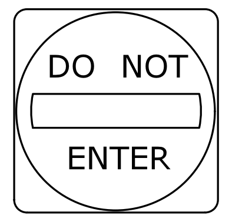
R4-16



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

R5 - SERIES

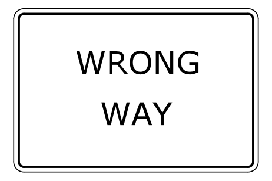
R5-1 *



LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

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

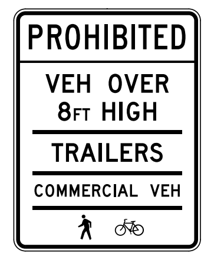
R5-1a *



LEGEND - WHITE
BACKGROUND - RED

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

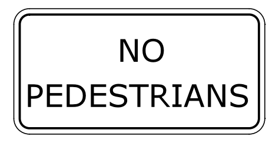
R5-10a(CT)



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

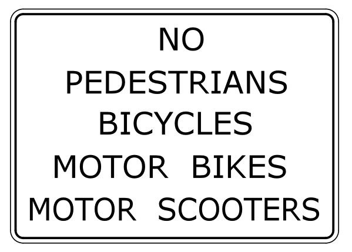
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	60X78	31-1719	2	.125

R5-10c



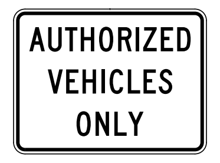
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R5-10a(CT)



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

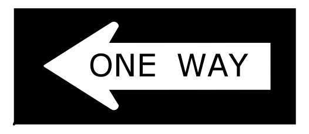
R5-11



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

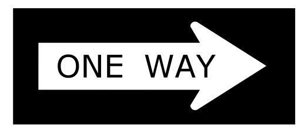
R6 - SERIES

R6-1 *



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

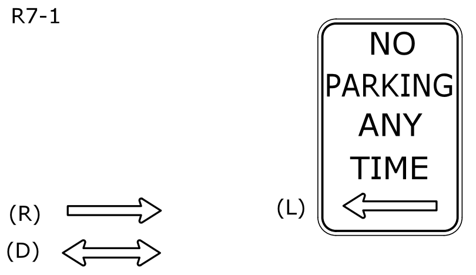
R6-1 *



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

R7 - SERIES

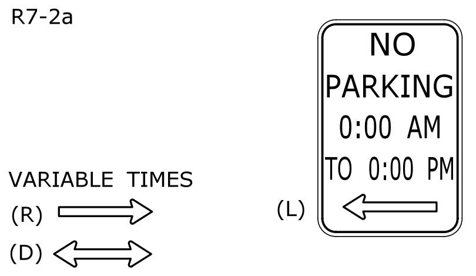
R7-1



LEGEND - RED
BACKGROUND - WHITE

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

R7-2a

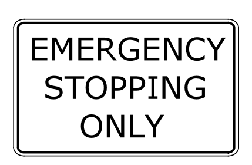


LEGEND - RED
BACKGROUND - WHITE

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

R8 - SERIES

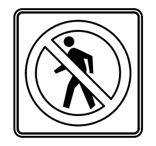
R8-7



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

R9 - SERIES

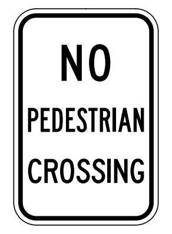
R9-3



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

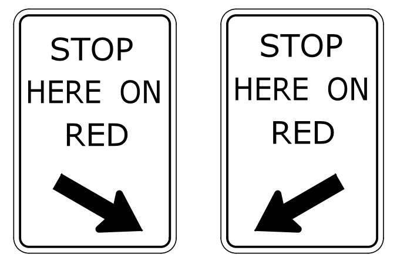
R9-3a



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

R10 - SERIES

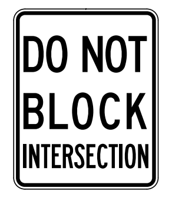
R10-6



31-0801 31-0802

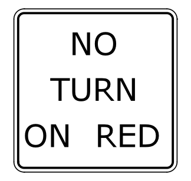
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-7



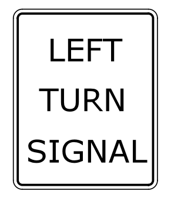
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080

R10-11b



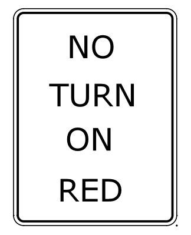
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-0816	2	.080

R10-10L



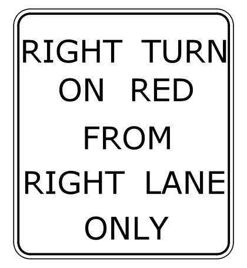
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0852	1	.080

R10-11a



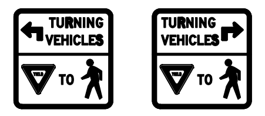
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R10-11c(CT)



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

R10-15 *



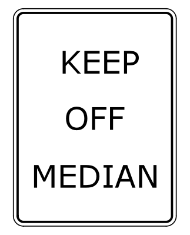
31-1626 31-1625

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

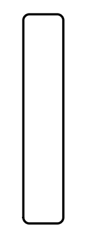
R11 - SERIES

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:

TOWN:

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

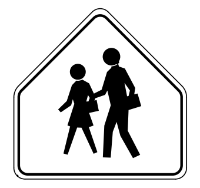
PROJECT NO.

DRAWING NO.
TR-GS_01

SHEET NO.

S - SERIES

S1-1

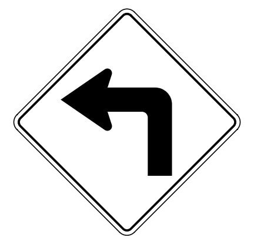


LEGEND - BLACK
BACKGROUND - FLUORESCENT
YELLOW GREEN

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

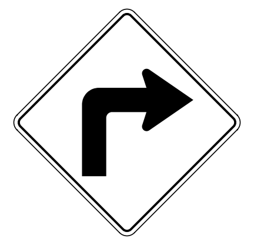
W1 - SERIES

W1-1L



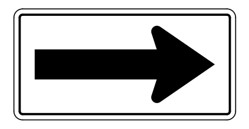
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080

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

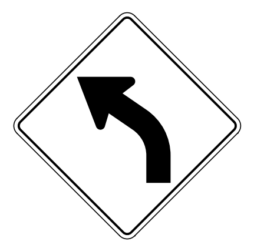
W1-6



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

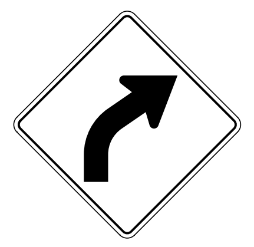
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4223	2	.100
12.50	60X30	41-4262	2	.100

W1-2



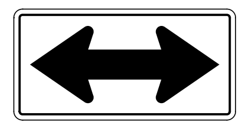
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4029	1	.080
9.00	36	41-4169	1	.080

W1-2



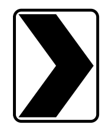
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4168	1	.080
9.00	36	41-4032	1	.080

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

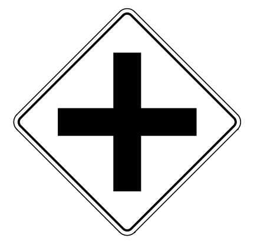


LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

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

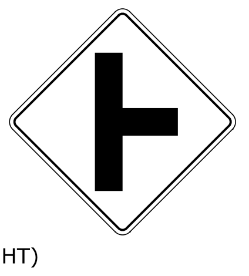
W2 - SERIES

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

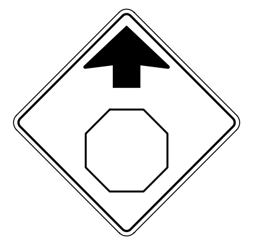


(LEFT OR RIGHT)

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

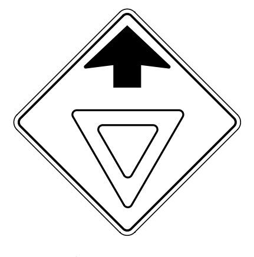
W3-1



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

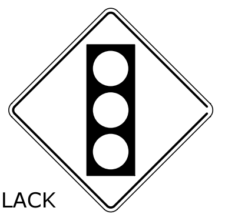
W3-2



TRIANGLE - RED & WHITE

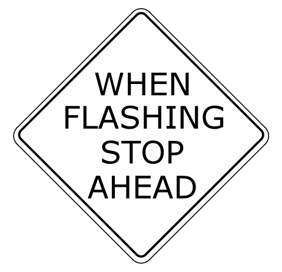
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
16.00	48	41-0506	2	.100

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

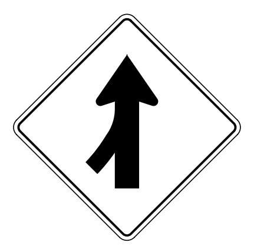


W/ FLASHERS

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

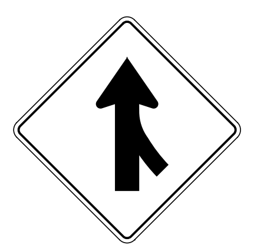
W4 - SERIES

W4-1



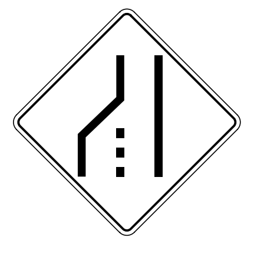
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448	1	.080
16.00	48	41-4452	2	.100

W4-1



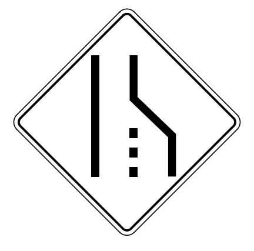
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4449	1	.080
16.00	48	41-4459	2	.100

W4-2



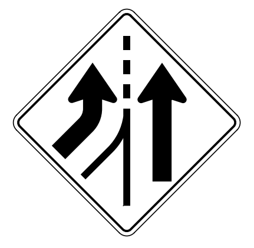
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442	1	.080
16.00	48	41-4446	2	.100

W4-2



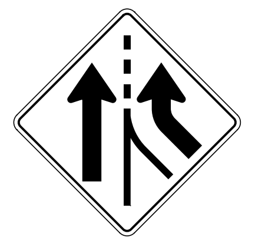
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4441	1	.080
16.00	48	41-4447	2	.100

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

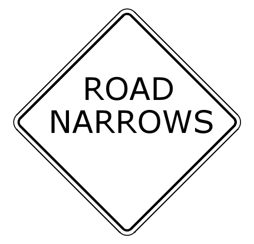
W4-3



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

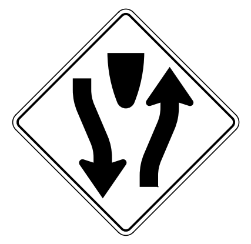
W5-1



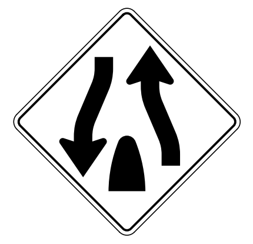
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1

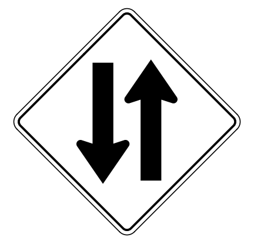


W6-2



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

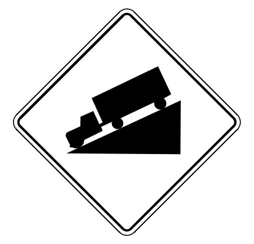
W6-3



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

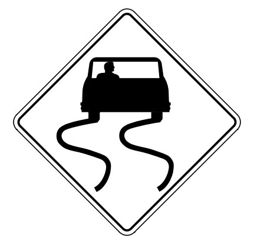
W7-1



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

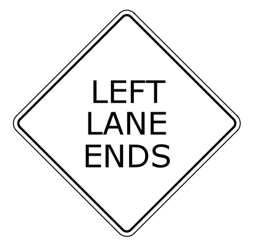
W8-5



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

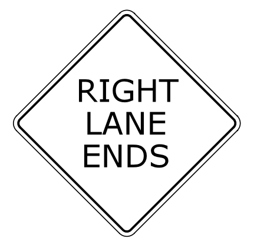
W9 - SERIES

W9-1



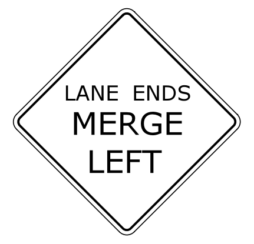
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4443	1	.080
16.00	48	41-4444	2	.100

W9-1



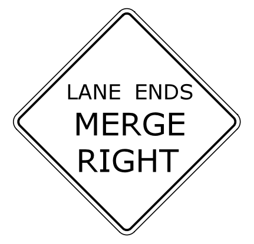
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4440	1	.080
16.00	48	41-4445	2	.100

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

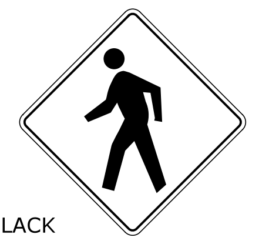
W9-2



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

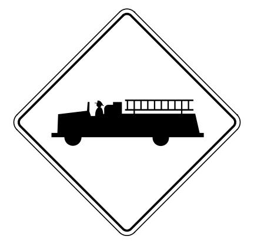
W11-2



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

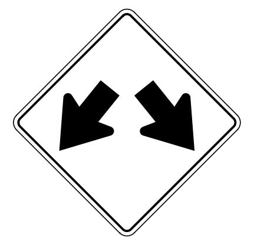
W11-8



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

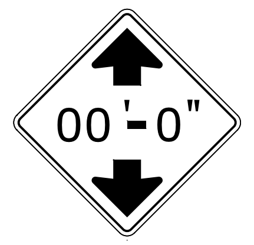
W12 - SERIES

W12-1

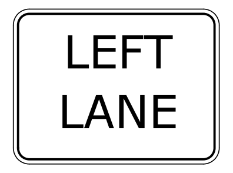


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080

W12-2

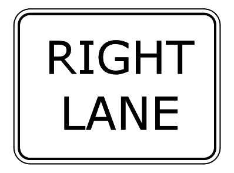


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100



(SUBPLATE)

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

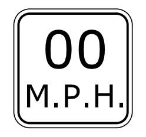


(SUBPLATE)

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

W13 - SERIES

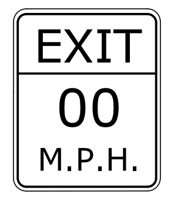
W13-1P



(SUBPLATE)

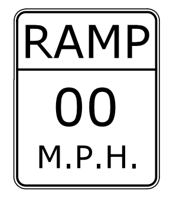
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5566		.080
4.00	24X24	41-5567		.080
6.25	30X30	41-5574		.080

W13-2



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

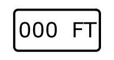
W13-3



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

W16 - SERIES

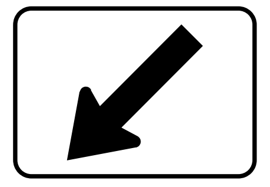
W16-2aP



(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

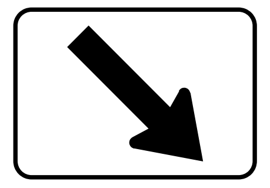
W16-7PL



(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

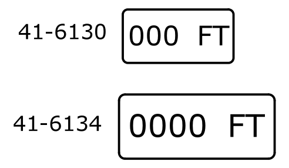
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080

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.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080

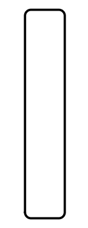
W16-2aP



(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

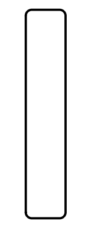
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6134		.080

RETROREFLECTIVE STRIP



LEGEND - N/A
BACKGROUND - FLUORESCENT
YELLOW GREEN

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



LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW

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

NOTES:

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

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE 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:

TOWN:

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

PROJECT NO.

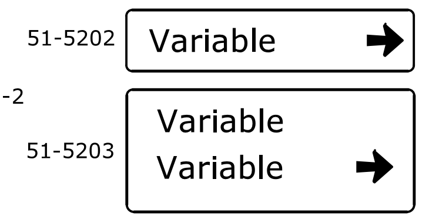
DRAWING NO.
TR-GS_02

SHEET NO.

D1 - SERIES

D1-1

D1-2

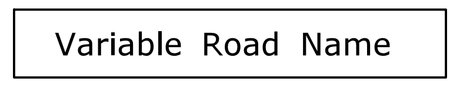


VARIABLE LEGEND & ARROW DIRECTION

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

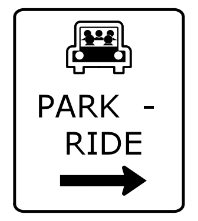
D3-1



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

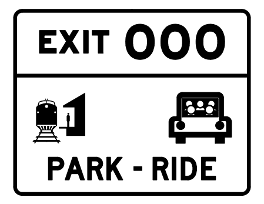
D4-2



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

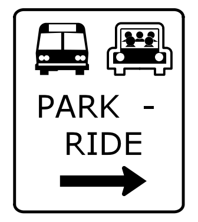
D4-2



VARIABLE EXIT NUMBER

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

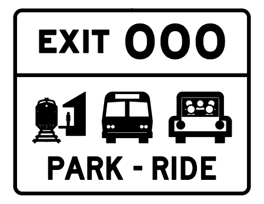
D4-2



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

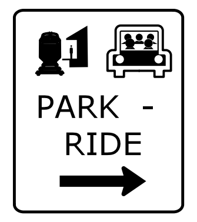
D4-2



VARIABLE EXIT NUMBER

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

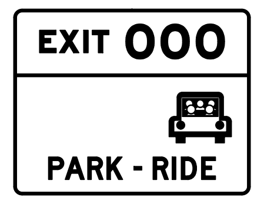
D4-2



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

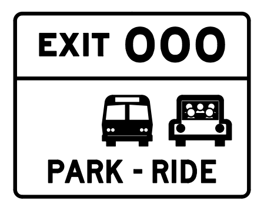
D4-2



VARIABLE EXIT NUMBER

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

D4-2

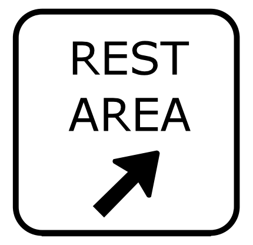


VARIABLE EXIT NUMBER

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

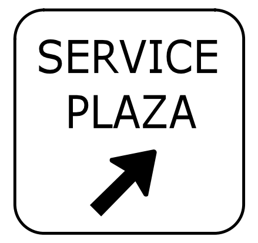
D5 - SERIES

D5-2b



LEGEND - WHITE
BACKGROUND - BLUE

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

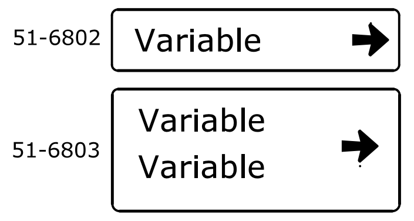


LEGEND - WHITE
BACKGROUND - BLUE

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

D7 - SERIES

D-7

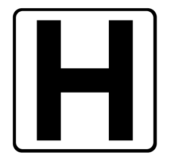


W or W/O ARROW
VARIABLE ARROW DIRECTION

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

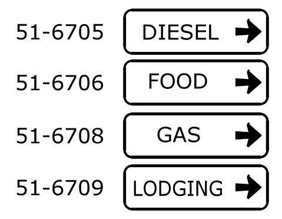
D9 - SERIES

D9-2



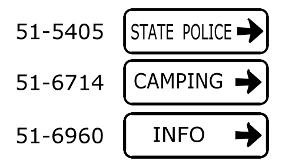
** FOR ARROW SUBPLATES
USE M5 & M6 SERIES

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



VARIABLE ARROW DIRECTION

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

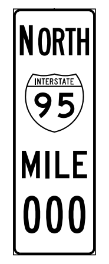


VARIABLE ARROW DIRECTION

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

D10 - SERIES

D10-4

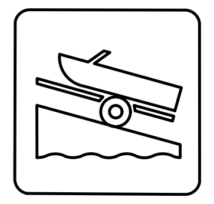


CARDINAL DIRECTION,
SHIELD AND NUMERALS ARE VARIABLE

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

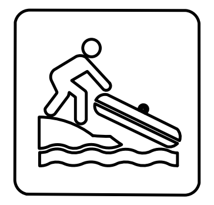
RECREATIONAL RS- SERIES

RS-054

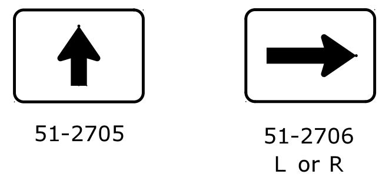


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117



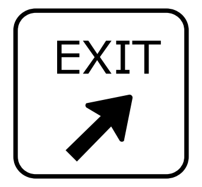
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080



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

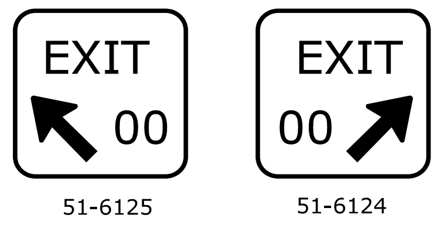
E5-1a



FOR USE AT "NO NUMBERED" EXITS

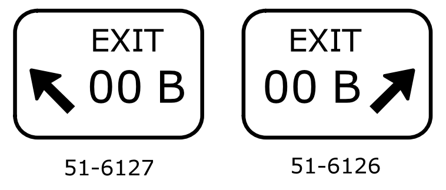
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
30.00	72X60	51-6150	2	.125

E5-1a



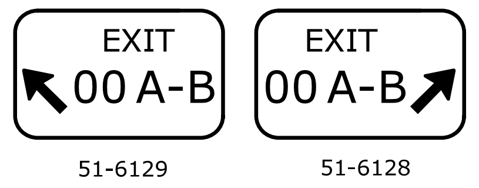
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	78X60		2	.125

E5-1a



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

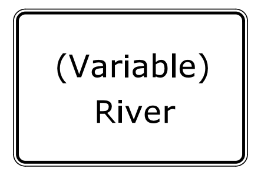
E5-1a



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

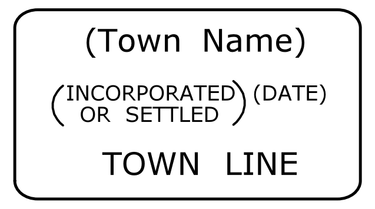
I - SERIES

I-3



VARIABLE: RIVER, BROOK, CREEK

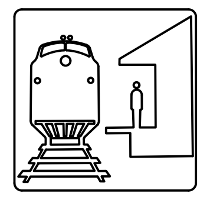
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	18X12	51-2009	1	.080
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100



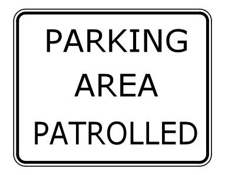
VARIABLE: TOWN / CITY

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

I-7



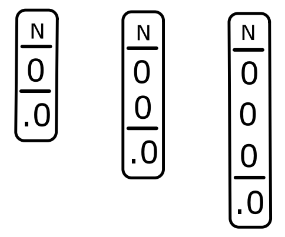
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080



LEGEND - BLACK
BACKGROUND - WHITE

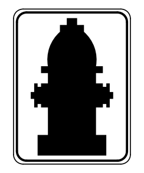
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	51-5937	2	.080

INCIDENT MANAGEMENT



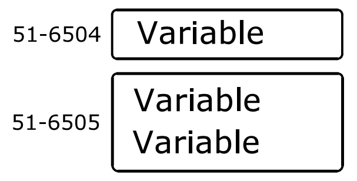
CARDINAL DIRECTION VARIABLE - N, S, E, W

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

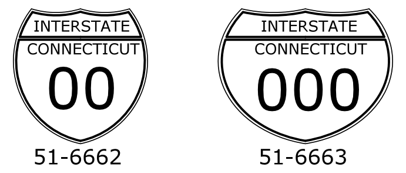


TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

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



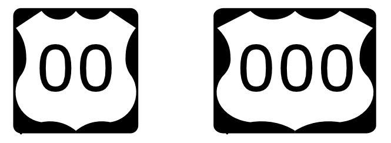
51-6662
51-6666
VARIABLE:
1 or 2 DIGITS

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



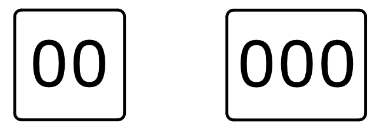
51-6615
51-6635
VARIABLE:
1 or 2 DIGITS

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



51-6616
51-6636
VARIABLE:
1 or 2 DIGITS

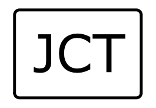
51-6647
51-6646
VARIABLE:
3 DIGITS

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

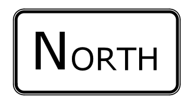
M2-1



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

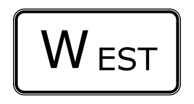
M3 - SERIES

M3-1



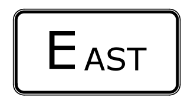
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	36X18	51-6655	(1)	.080
4.50	36X18	51-6625	(2)	.080

M3-4



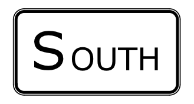
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	36X18	51-6658	(1)	.080
4.50	36X18	51-6628	(2)	.080

M3-2



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

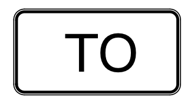
M3-3



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

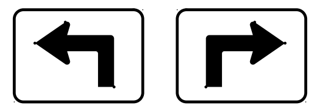
M4-5



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

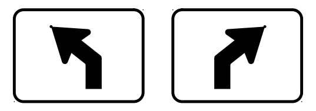
M5 - SERIES

M5-1



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

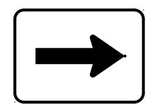
M5-2



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

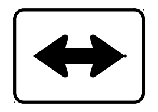
M6 - SERIES

M6-1



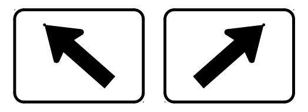
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2686	(1)	.080
2.19	21X15	51-2626	(2)	.080

M6-4



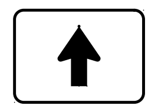
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2687	(1)	.080
2.19	21X15	51-2627	(2)	.080

M6-2



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:

TOWN:

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

PROJECT NO.

DRAWING NO.
TR-GS_03

SHEET NO.

Description	Assembly(lb)	Mounting kit(lb)	Total Weight (lb)	Total Surface Area (sf)	Projected area (sf, front)	Projected area (sf,bottom)
Single Section Signal face w/ backplate	14	11	25	14.25	3.8	0.66
3-Section Signal face w/ backplate	40	11	51	29.75	8.2	0.66
4-Section Signal face w/ backplate	53	11	64	37.5	10.3	0.66
5-Section "doghouse" Signal face w/ backplate	65	11	76	45	12.8	1.32
5-Section vertical Signal face w/ backplate	65	11	76	45	10.5	0.66
Pedestrian signals (Countdown)	23	9	32	5.4	1.97	0.38
Pedestrian pushbutton (APS)	7	INCL.	7	1.5	0.5	0.06
Camera - IP & Thermal	7	-	-	3.25	0.25	0.7
Smartmount bracket (10' riser), Junction box & mounting kit	-	16.75	23.75	-	-	-
Extension bracket (3' riser), Junction box & mounting kit	-	9.75	16.75	-	-	-
Horizontal (20'), Junction box & mounting kit	-	156.45	163.45	-	-	-
Camera - 360-degree	7	-	-	2.75	0.5	0.53
Smartmount bracket (10' riser), Junction box & mounting kit	-	16.75	23.75	-	-	-
Extension bracket (3' riser), Junction box & mounting kit	-	9.75	16.75	-	-	-
Horizontal (20'), Junction box & mounting kit	-	156.45	163.45	-	-	-
Camera repeater	0.85	INCL.	0.85	0.4	0.105	0.105
EVPS - Siren detector	4.125	INCL.	4.125	2.5	0.25	0.3
Blank out sign 24"x30"	60	11	71	24.5	6.75	1.72
Sheet aluminum sign	4 lb/sf	11	varies	varies	varies	varies
Radar - Wavetronix Advance sensor	3.8	6.7	10.5	3.1	0.97	0.3
Radar - Wavetronix Matrix sensor	4.3	6.7	11	3	0.97	0.3
Road Side Unit (RSU) - by Cohda Wireless	4.8	INCL.	4.8	1.44	0.43	0.17
Luminaire	21	153	174	8.45	0.38	2.99
CCTV camera - by American Dynamics	8.6	INCL.	8.6	1.9	0.27	0.13
Vantage Vector Hybrid(radar&video) - by Iteris	10	INCL.	10	9.76	0.034	1.77
RZ-4 Advanced WDR - by Iteris	5.7	INCL.	5.7	2.15	0.14	0.6
VantageRadius(radar&video) - by Iteris	3	INCL.	3	1.9	0.38	0.32

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: 7/15/2021

DESIGNER/DRAFTER:

CHECKED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\GS_STRUCTURES DATA.dgn

SIGNATURE/
BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

TOWN:

DRAWING TITLE:

STRUCTURES DATA

PROJECT NO.

DRAWING NO.

SHEET NO.

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

****REVISED OR ADDED**

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

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

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

NOT TO SCALE

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

SUBMITTED BY:

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.)
$L_T = 1 / [(1 / L_1) + (1 / L_2) + (1 / L_3) +$ 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

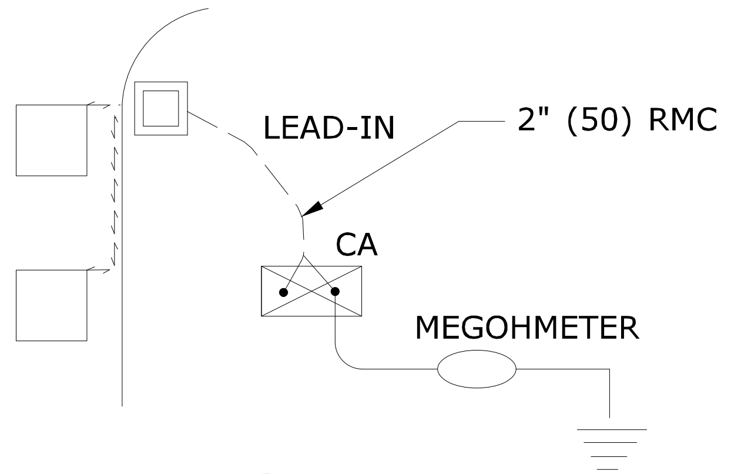
$L_{LOOP} = (24/4)\ (4^2 + 4)$
$L_{LOOP} = (6)\ (20)$
$L_{LOOP} = 120\ \mu h$

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

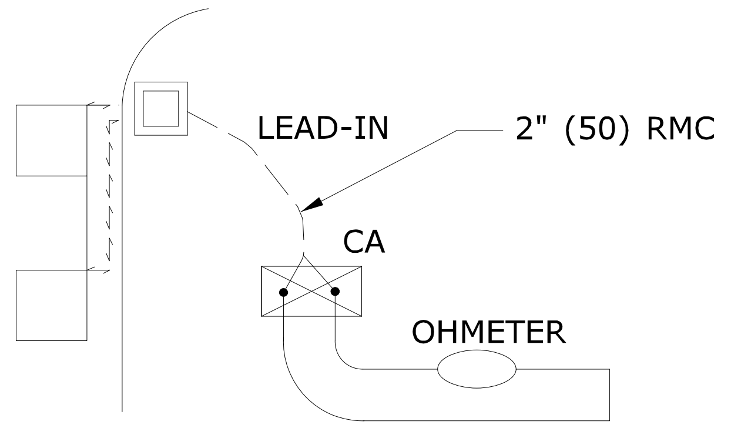
2b: MEASURE INDUCTANCE OF LOOP AND LEAD-IN AT CONTROLLER. USE INSTRUMENT DESIGNED TO MEASURE LOOP CIRCUIT INDUCTANCE.

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)

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

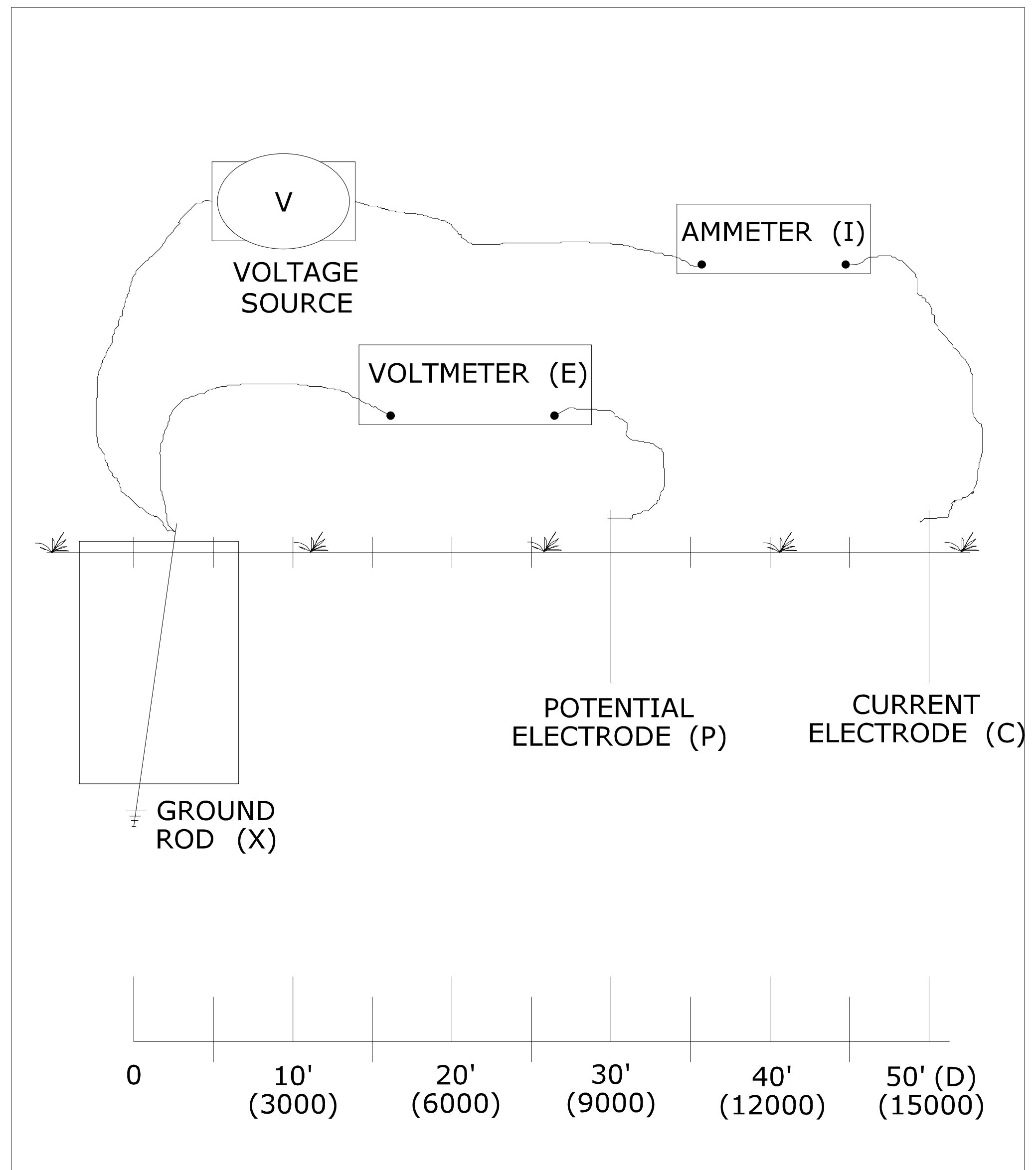
TEST PROCEDURE:

- 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:

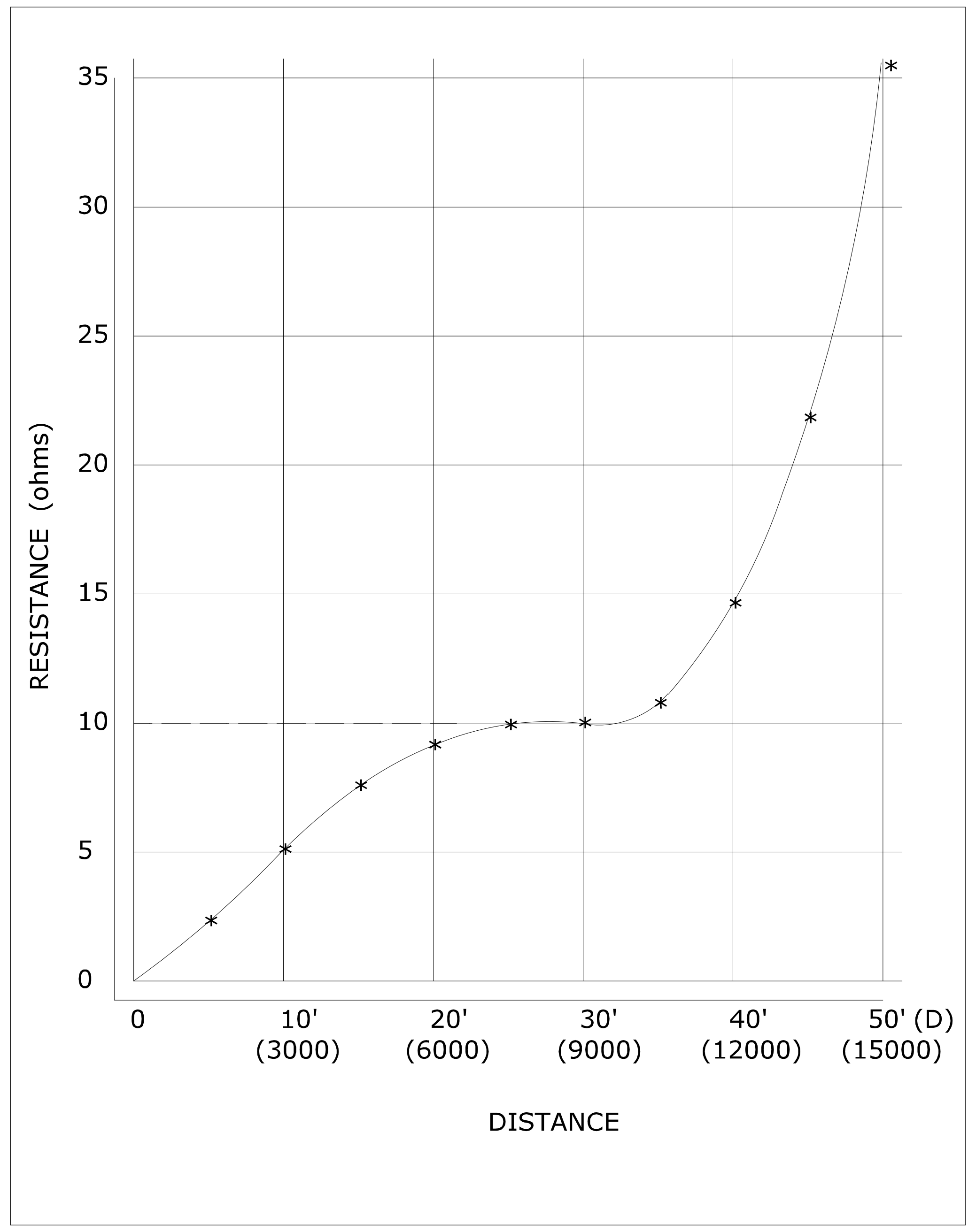
A. INSTALL ADDITIONAL 10' (3000) GROUND ROD(S).
REFER TO NESC SECTION 09, RULE 94.B.2.
DRIVE ADDITIONAL GROUND RODS NO CLOSER TO FOUNDATION THAN 6' (1800). IF MORE THAN ONE IS NEEDED, SPACE MINIMUM 6' (1800) APART.
BONDS TO ADDITIONAL GROUND ROD(S) SHALL BE MADE BY A CLAMP DESIGN FOR DIRECT BURIAL OR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



CALCULATE RESISTANCE AT 5'± (1500±) INTERVALS
R = E / I

3 POINT GROUND RESISTANCE TEST CIRCUIT



GROUND RESISTANCE CHART (EXAMPLE)

NOTES:

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

3 POINT FALL-OF-POTENTIAL GROUND RESISTANCE TEST

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

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

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Plotted Date: 1/7/2014

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN
Model: TR-1000_01

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

APPROVED BY: NAME/DATE/TIME:
Charles S. Harlow
2014.01.08 09:02:11-05'00'

CTDOT
STANDARD SHEET

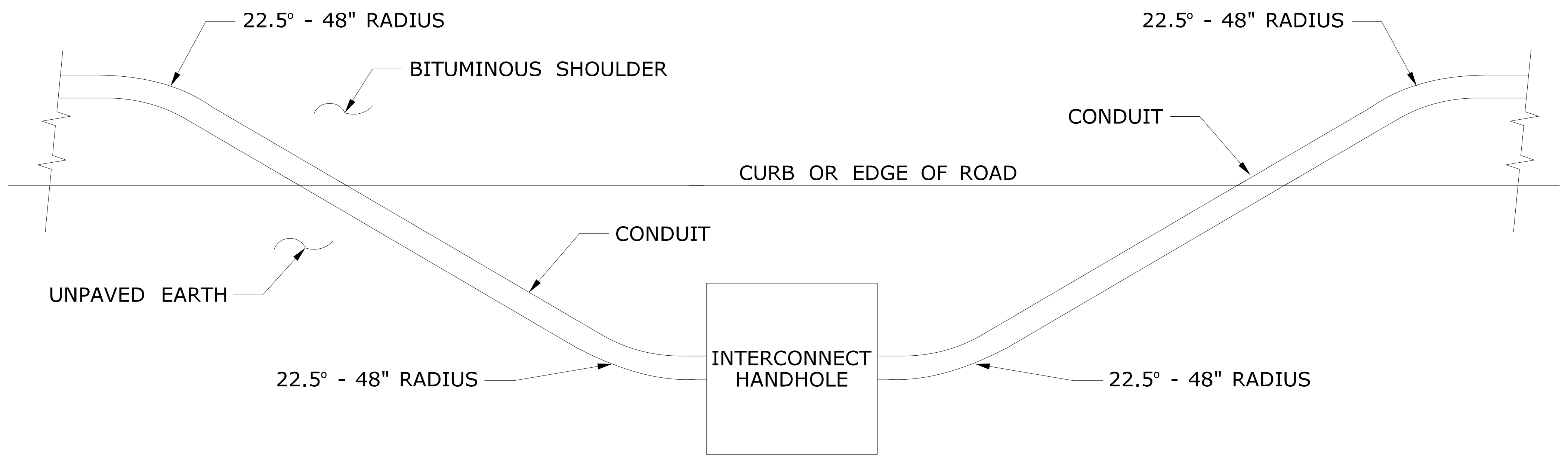
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

GENERAL CLAUSES
(TEST PROCEDURES)

STANDARD SHEET NO.:

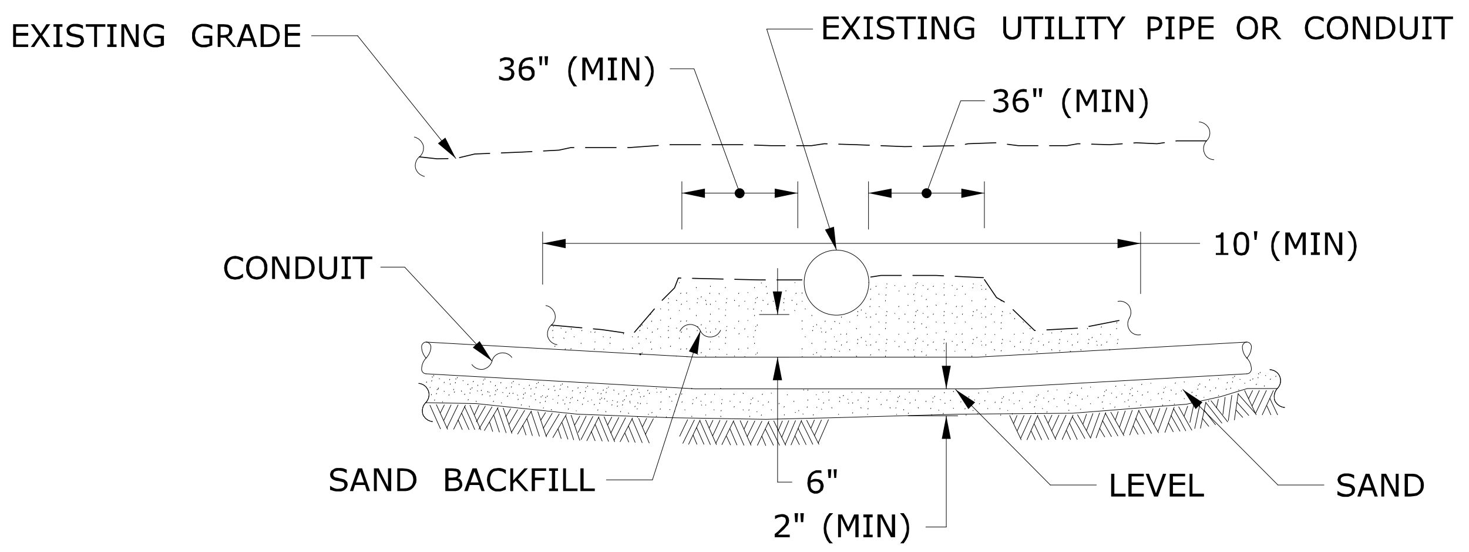
TR-1000_01



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

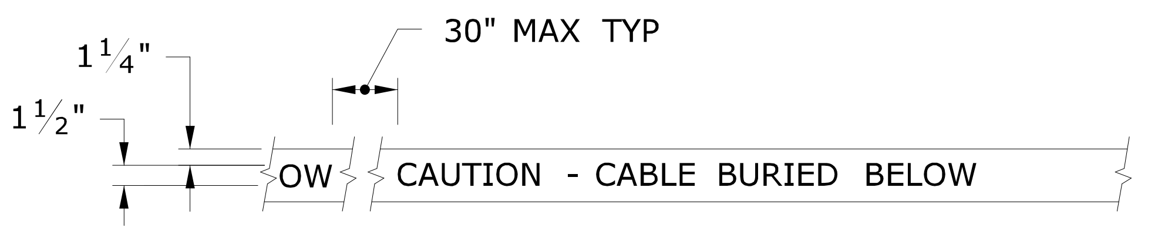
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.



CROSSING UNDER EXISTING UTILITY

NOTES:

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

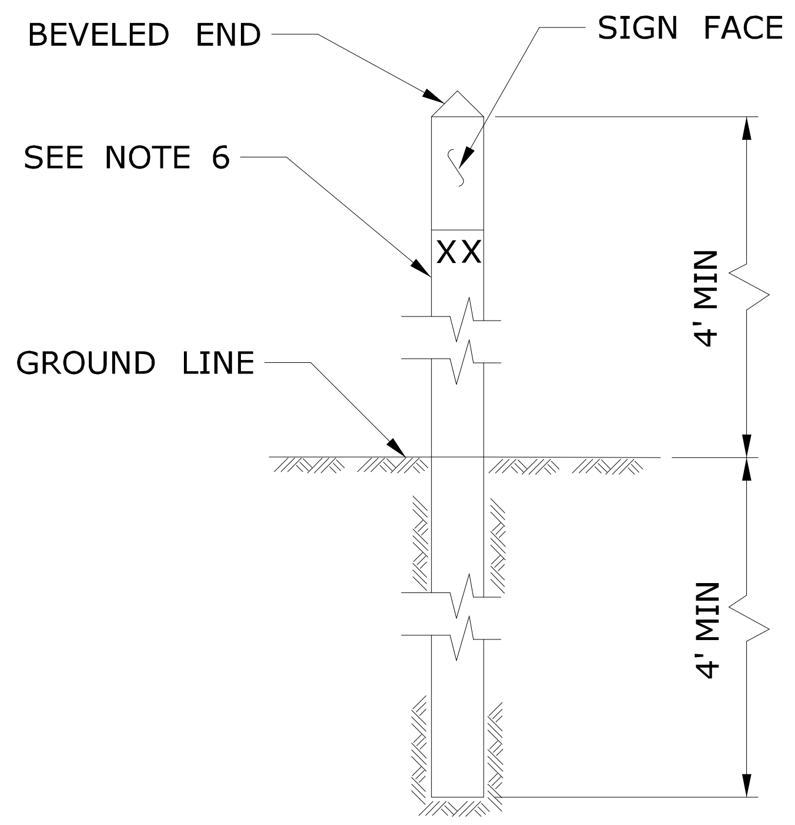


DETECTABLE WARNING TAPE

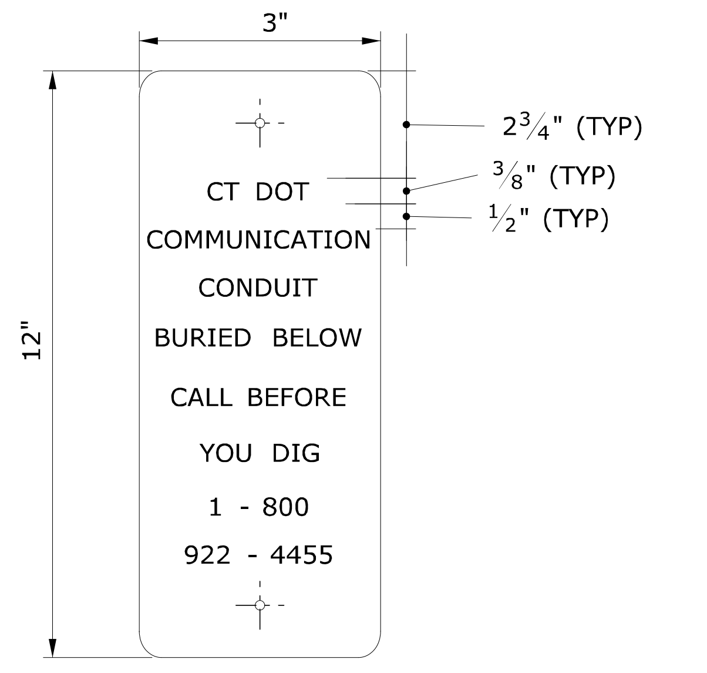
NOTE:

STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

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



INTERCONNECT CONDUIT IDENTIFICATION POST

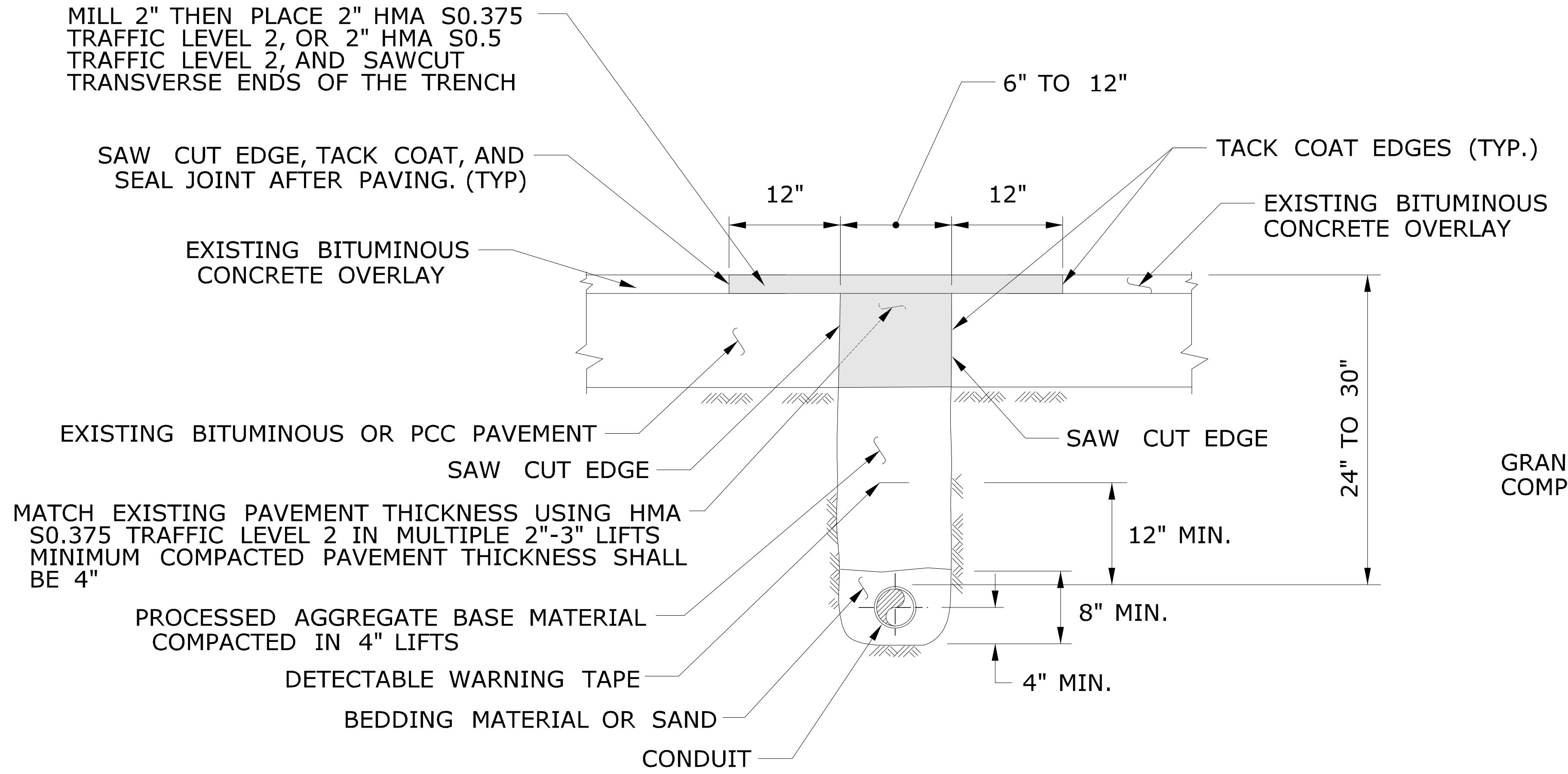


SIGN FACE DETAIL

SIGN # 41-4669

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.

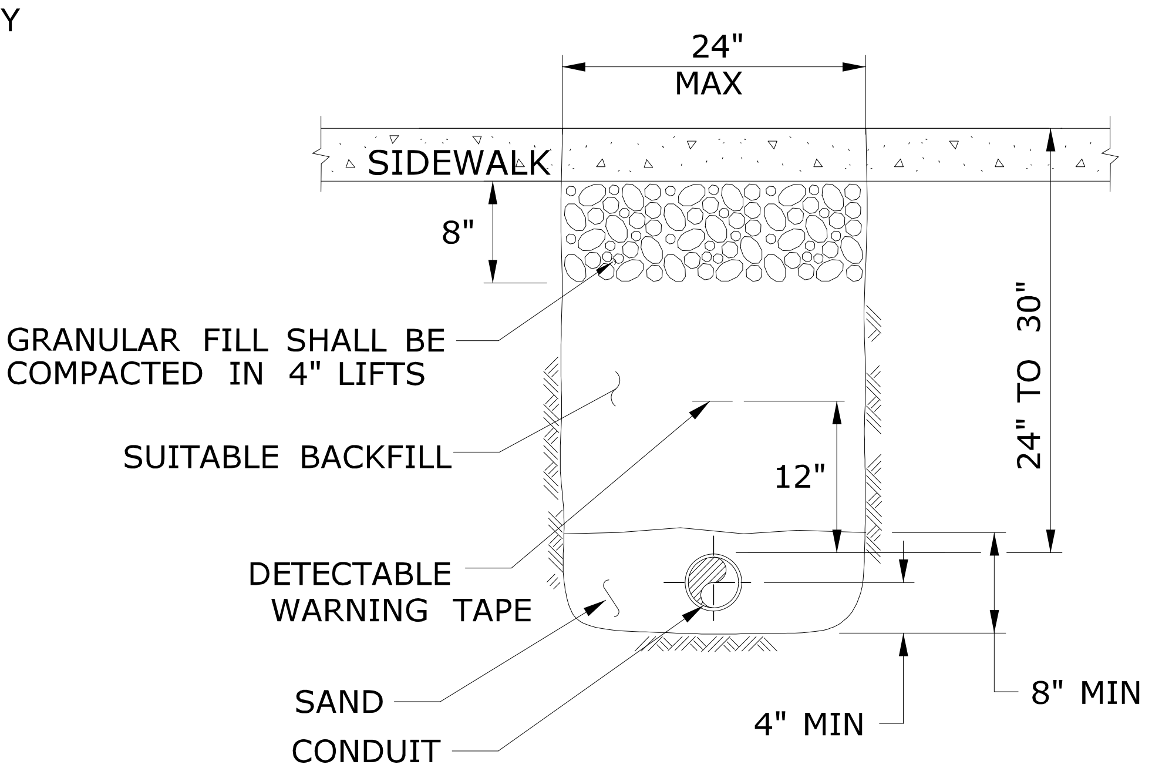

MILL 2" THEN PLACE 2" HMA S0.375 TRAFFIC LEVEL 2, OR 2" HMA S0.5 TRAFFIC LEVEL 2, AND SAWCUT TRANSVERSE ENDS OF THE TRENCH
6" TO 12"
SAW CUT EDGE, TACK COAT, AND SEAL JOINT AFTER PAVING. (TYP)
TACK COAT EDGES (TYP.)
12"
12"
EXISTING BITUMINOUS CONCRETE OVERLAY
EXISTING BITUMINOUS CONCRETE OVERLAY
24" TO 30"
EXISTING BITUMINOUS OR PCC PAVEMENT
SAW CUT EDGE
SAW CUT EDGE
MATCH EXISTING PAVEMENT THICKNESS USING HMA S0.375 TRAFFIC LEVEL 2 IN MULTIPLE 2"-3" LIFTS MINIMUM COMPACTED PAVEMENT THICKNESS SHALL BE 4"
12" MIN.
PROCESSED AGGREGATE BASE MATERIAL COMPACTED IN 4" LIFTS
8" MIN.
DETECTABLE WARNING TAPE
BEDDING MATERIAL OR SAND
4" MIN.
CONDUIT

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.

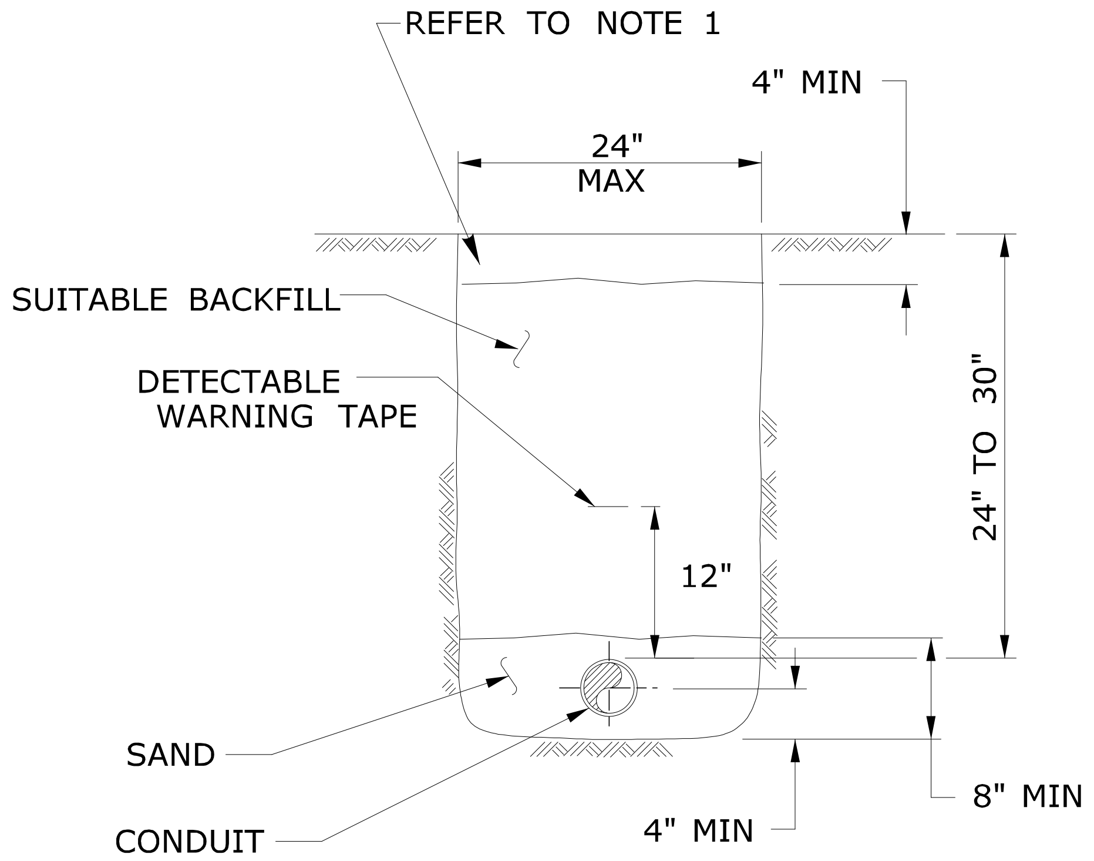


SIDEWALK

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'

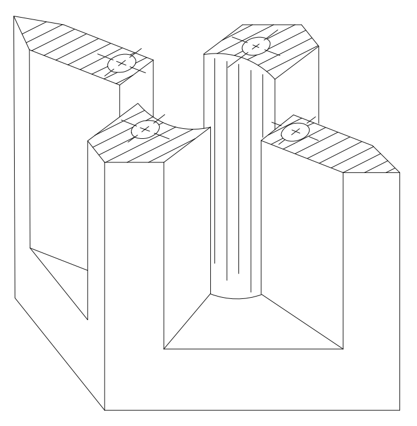
APPOVED BY:
Digitally signed by
Matthew C. Blume, P.E.,
PTOE
Date: 2024.02.21
08:25:47-05'00'

STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

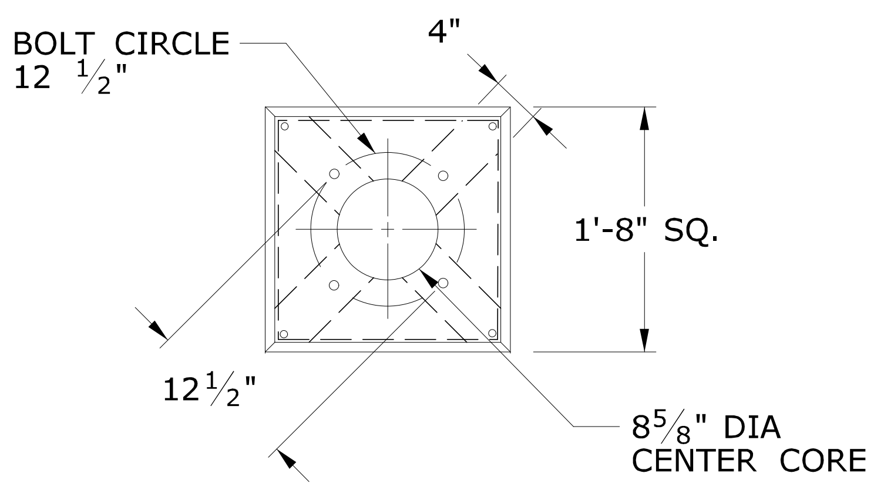
CTDOT
STANDARD SHEET

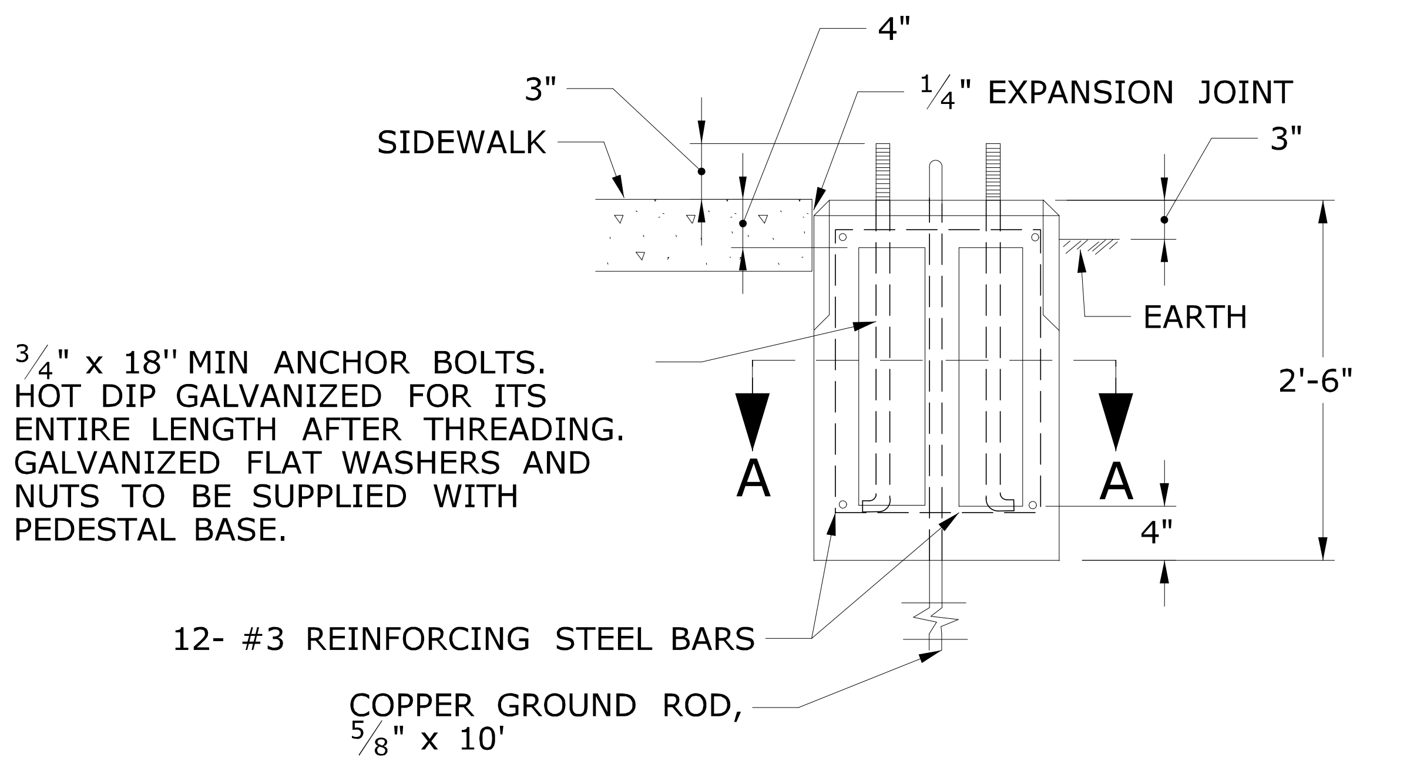
STANDARD SHEET TITLE:
TRENCHING & BACKFILLING, ELECTRICAL CONDUIT

STANDARD SHEET NO.:
TR-1001_01

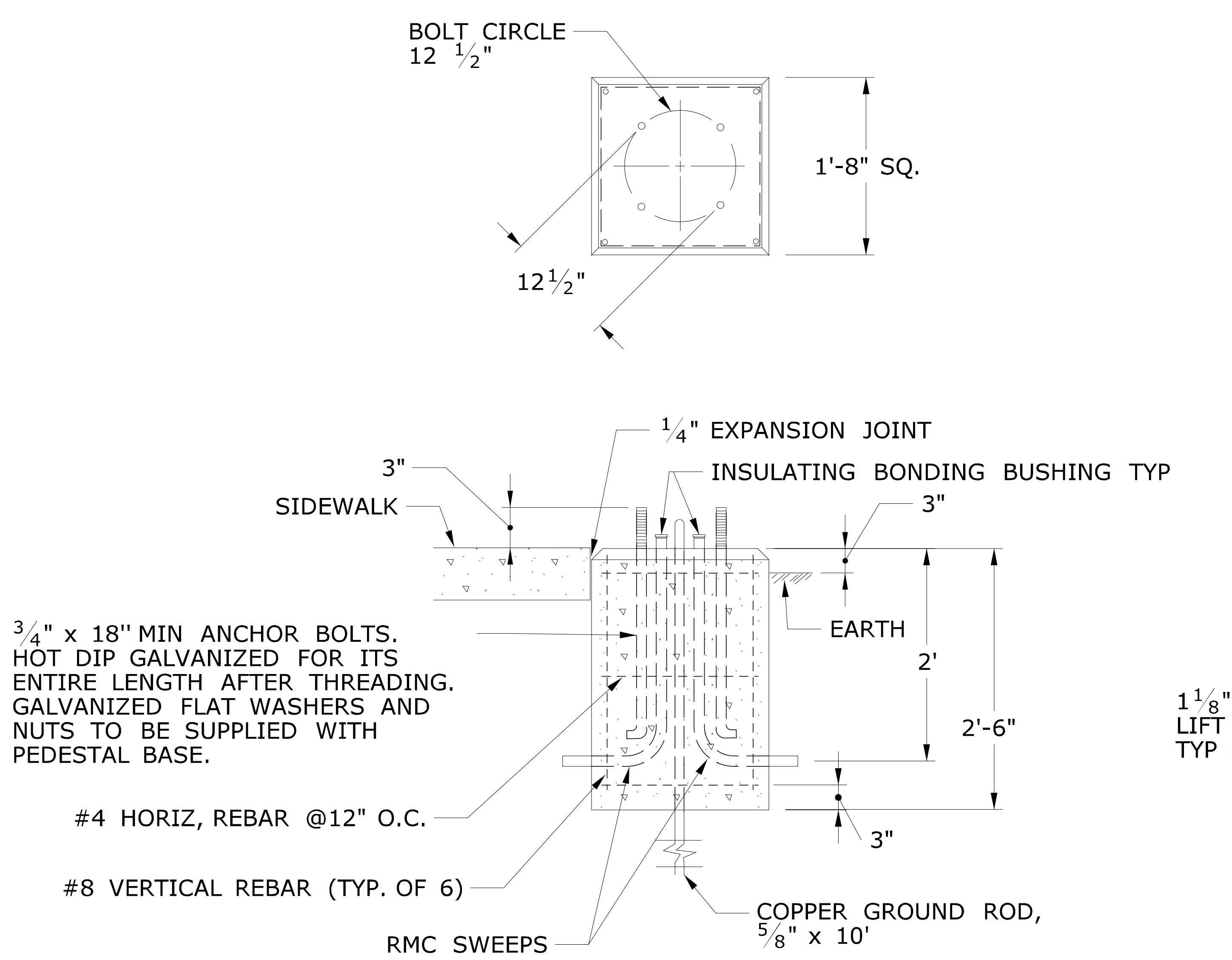


PICTORIAL SECTION A-A




4"
3"
¼" EXPANSION JOINT
SIDEWALK
3"
EARTH
¾" x 18" MIN ANCHOR BOLTS. HOT DIP GALVANIZED FOR ITS ENTIRE LENGTH AFTER THREADING. GALVANIZED FLAT WASHERS AND NUTS TO BE SUPPLIED WITH PEDESTAL BASE.
A
A
2'-6"
4"
12- #3 REINFORCING STEEL BARS
COPPER GROUND ROD, ⅝" x 10'

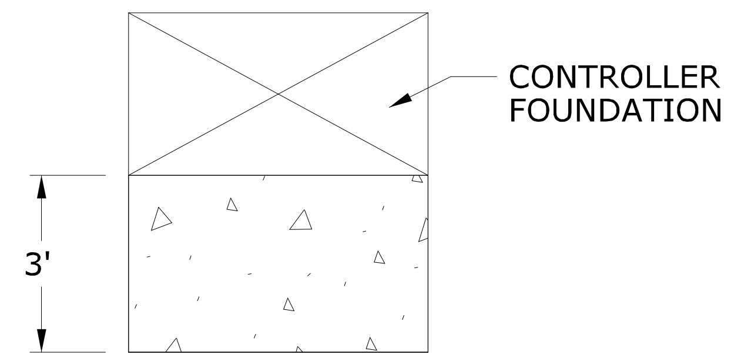
TRAFFIC CONTROL FOUNDATION PEDESTAL - TYPE I - PRECAST


BOLT CIRCLE 12 ½"
1'-8" SQ.
12½"
¼" EXPANSION JOINT
INSULATING BONDING BUSHING TYP
3"
SIDEWALK
3"
EARTH
¾" x 18" MIN ANCHOR BOLTS. HOT DIP GALVANIZED FOR ITS ENTIRE LENGTH AFTER THREADING. GALVANIZED FLAT WASHERS AND NUTS TO BE SUPPLIED WITH PEDESTAL BASE.
2'
2'-6"
#4 HORIZ, REBAR @12" O.C.
3"
#8 VERTICAL REBAR (TYP. OF 6)
COPPER GROUND ROD, ⅝" x 10'
RMC SWEEPS

TRAFFIC CONTROL FOUNDATION PEDESTAL - TYPE I - CAST IN PLACE

TRAFFFIC CONTROL FOUNDATION PEDESTAL TYPE I NOTES:

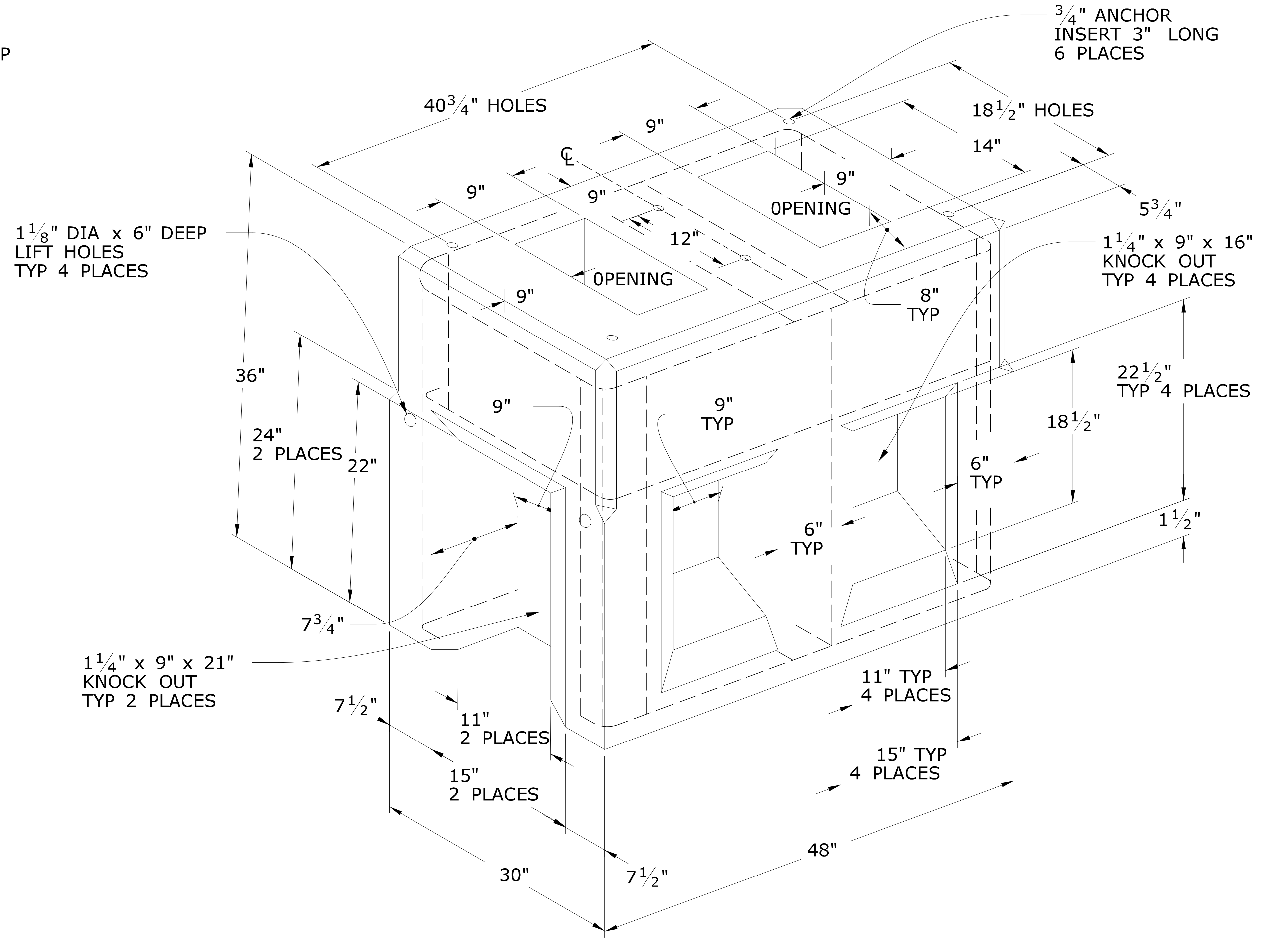
INSTALL FOUNDATION ON 12" OF COMPACTED GRANULAR FILL IN ACCORDANCE WITH SECTION 2.13
LEVEL FOUNDATION WITH A PROJECTION OF 3" ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: 5/8" X 10'
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED.
CONDUITS SHALL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

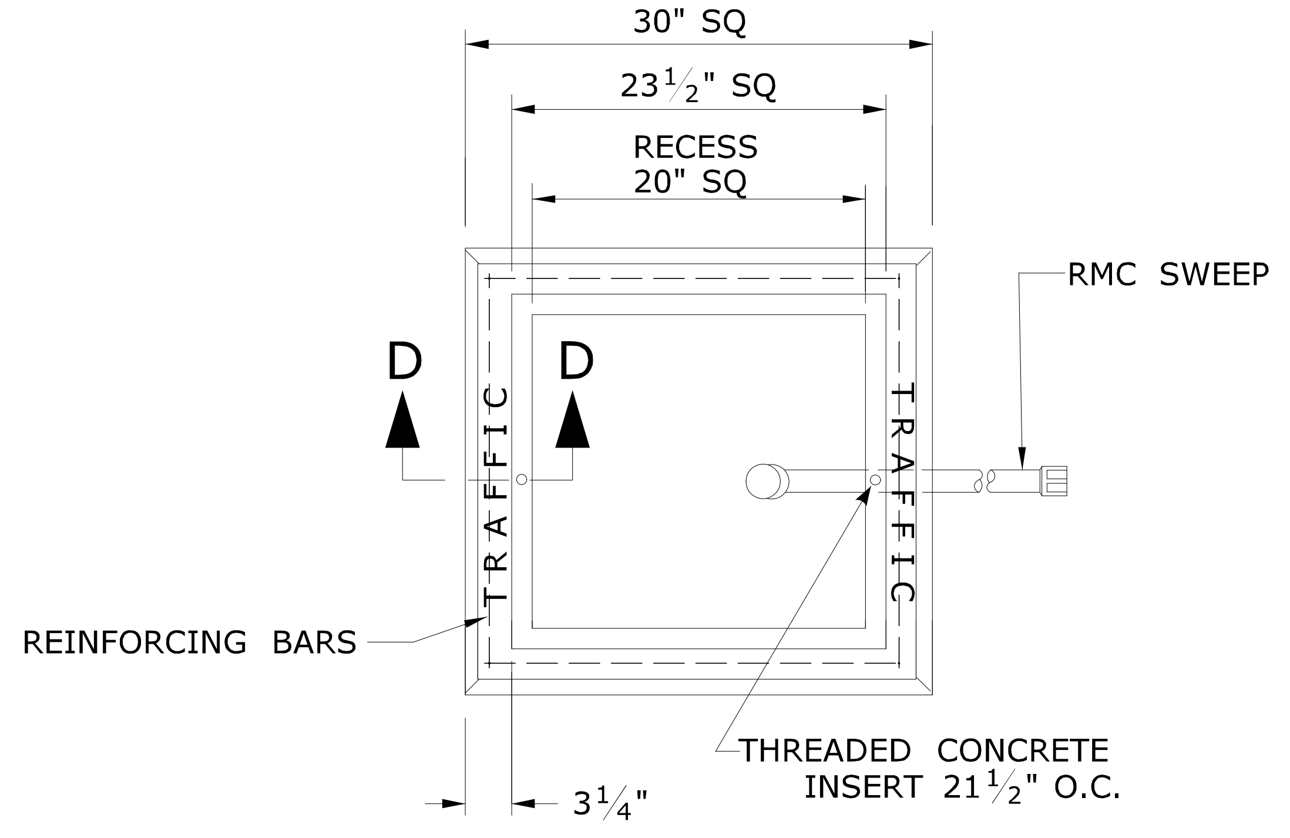
APPOVED BY:
Digitally signed by Matthew C. Blume, P.E., PTOE
Date: 2024.02.21
08:15:37-05'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

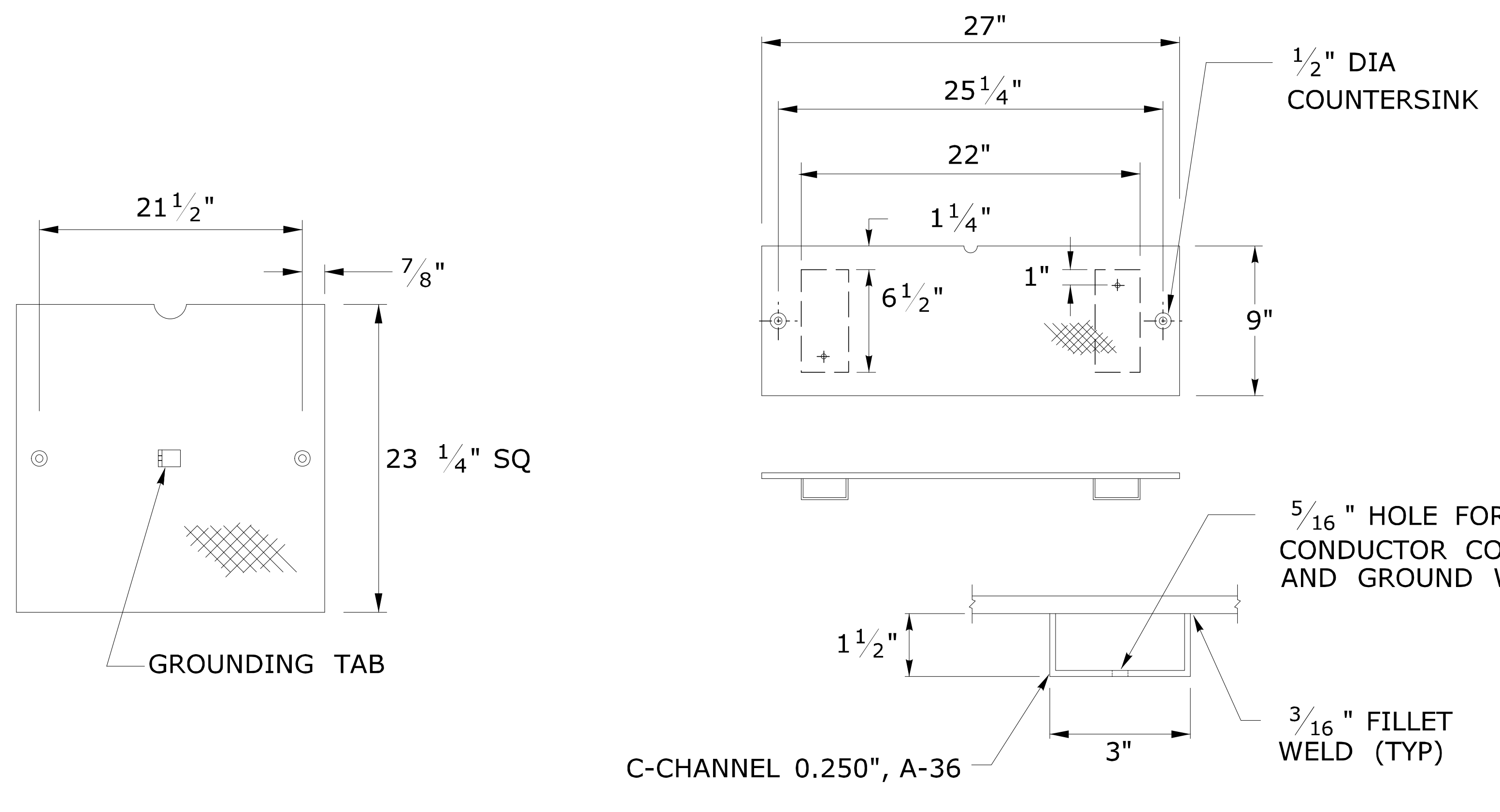
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
TRAFFIC CONTROL FOUNDATIONS

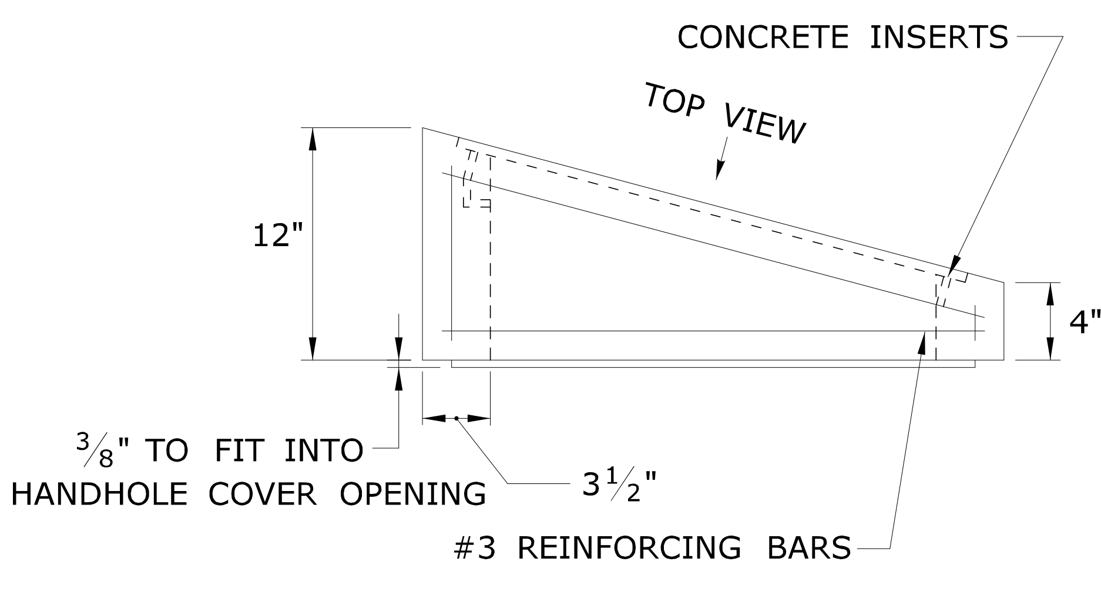
STANDARD SHEET NO.:
TR-1002_01



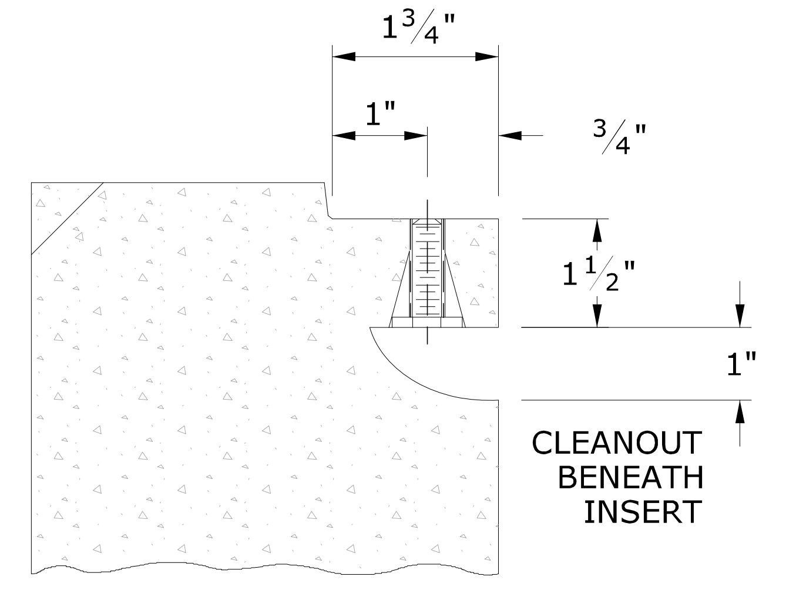
PLAN VIEW



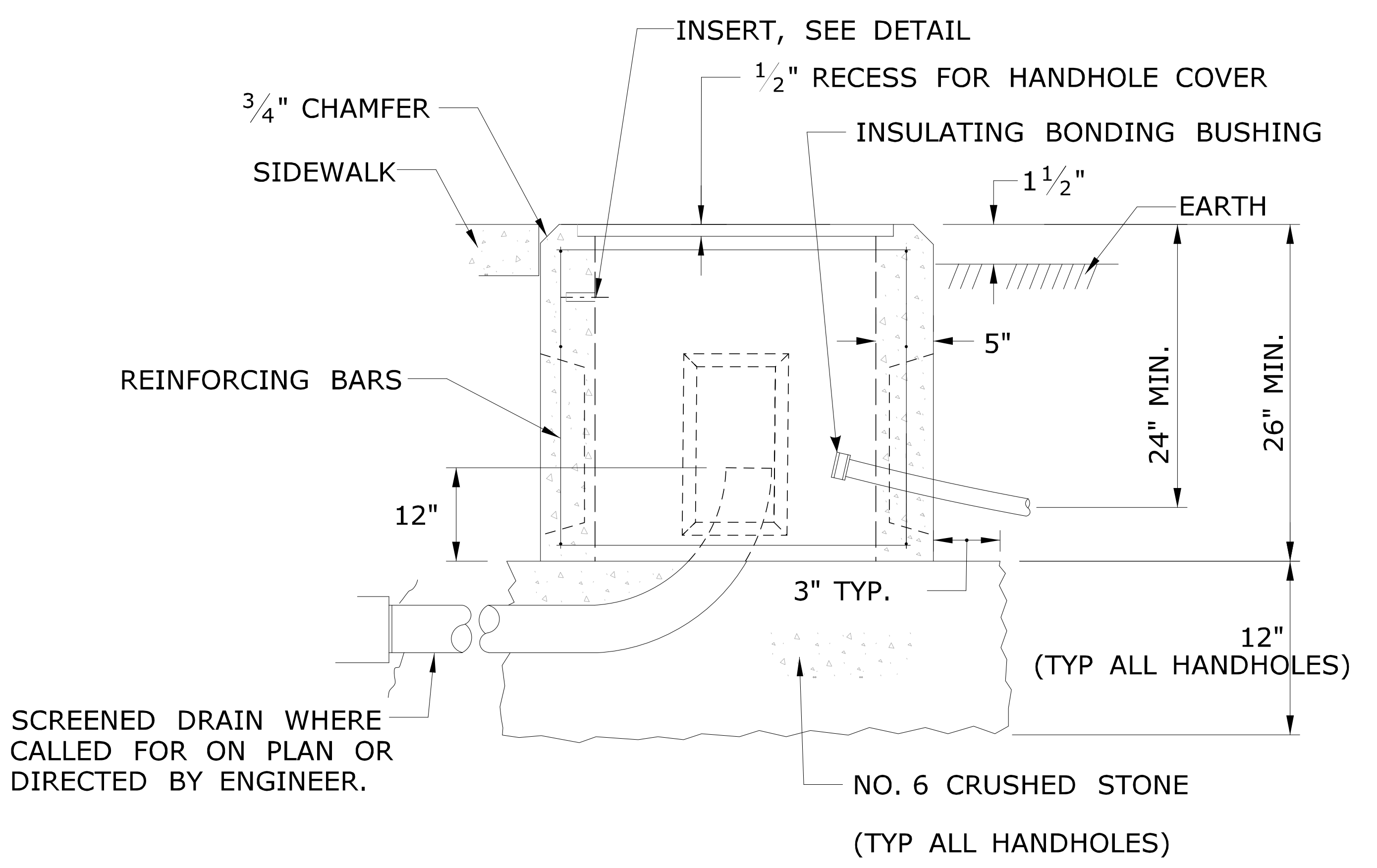
GALVANIZED, NON-SKID 3/8" FLOOR PLATE STEEL HANDHOLE COVERS



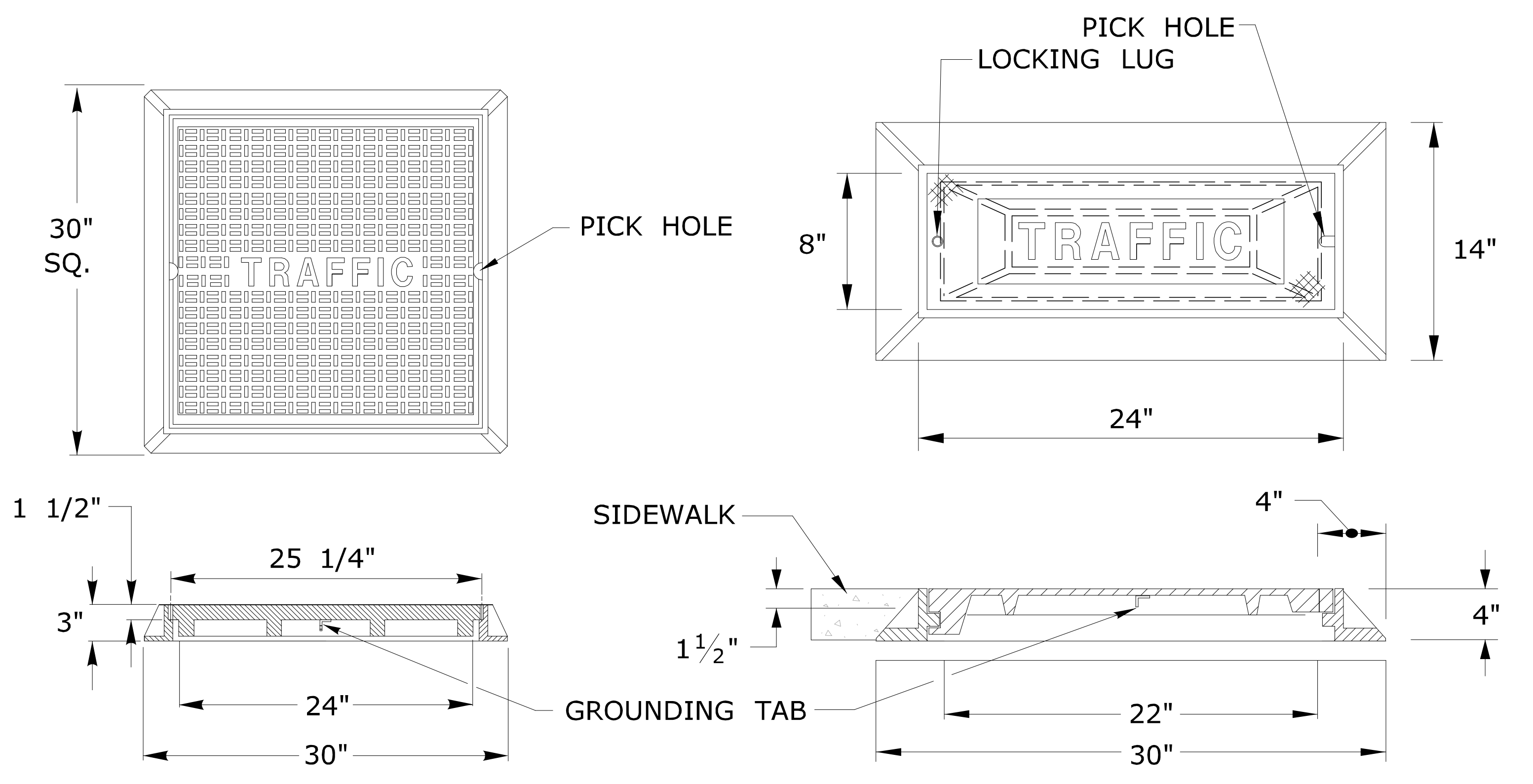
BANK ADAPTER



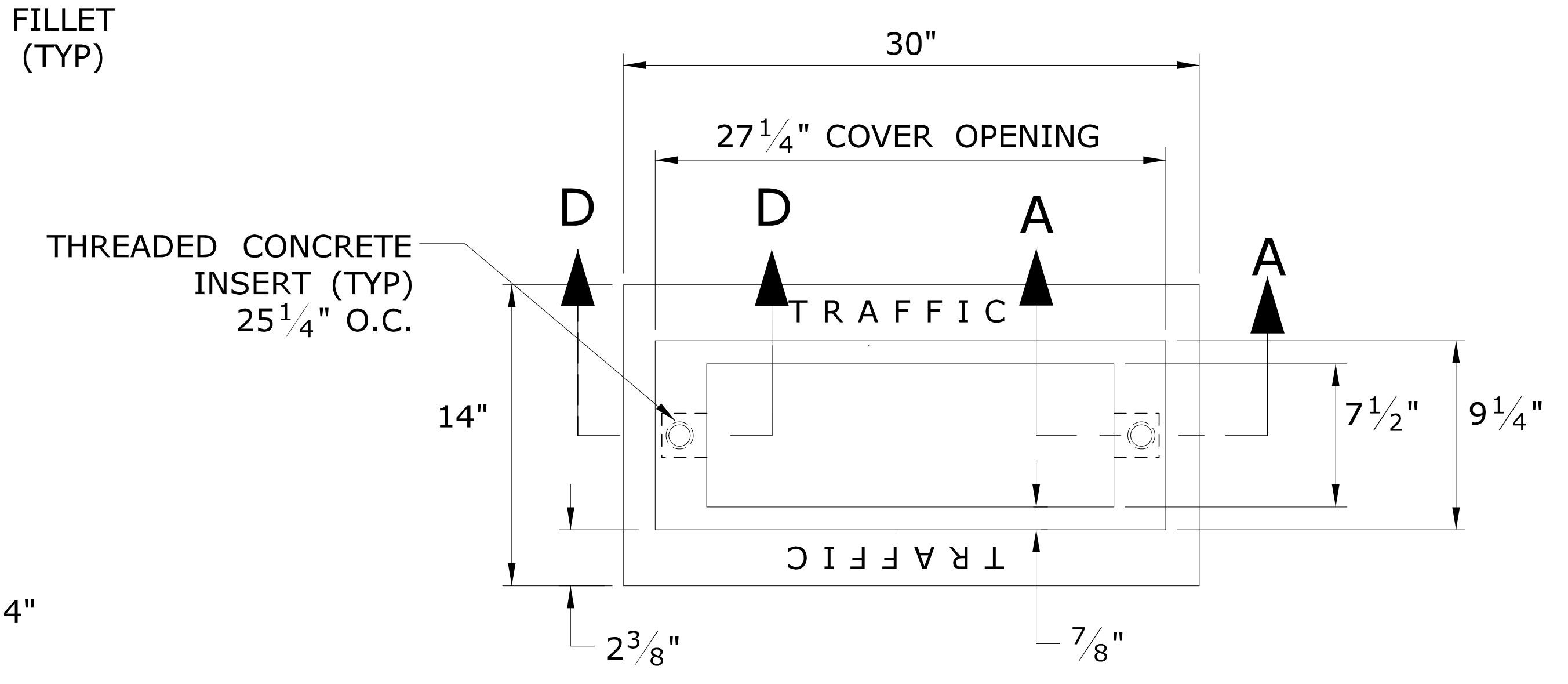
SECTION D-D



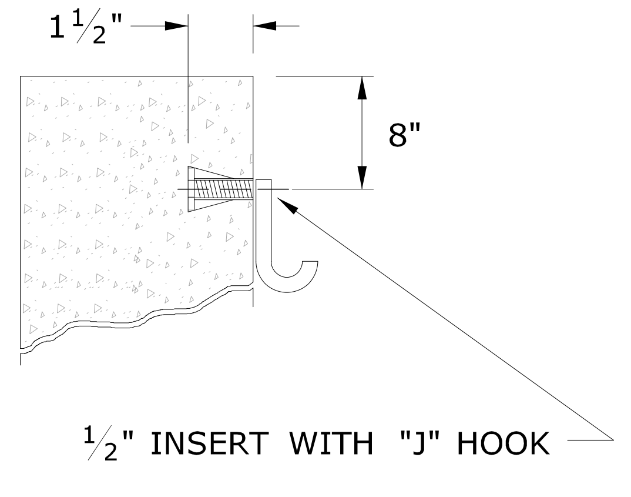
CONCRETE HANDHOLE TYPE I



CAST IRON HANDHOLE COVERS

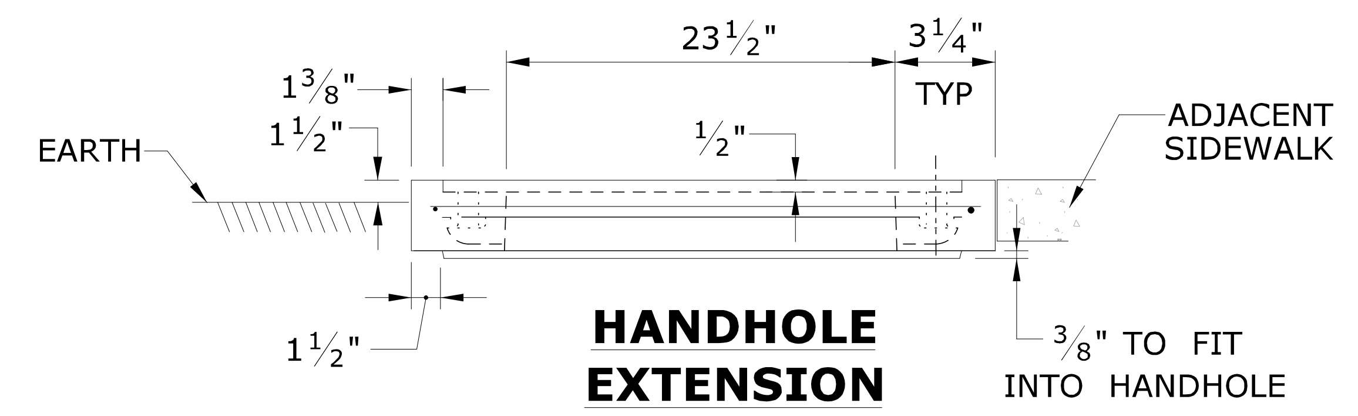


PLAN VIEW

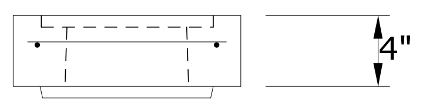


INSERT DETAIL

TYP IN TWO PLACES FOR ALL HANDHOLES

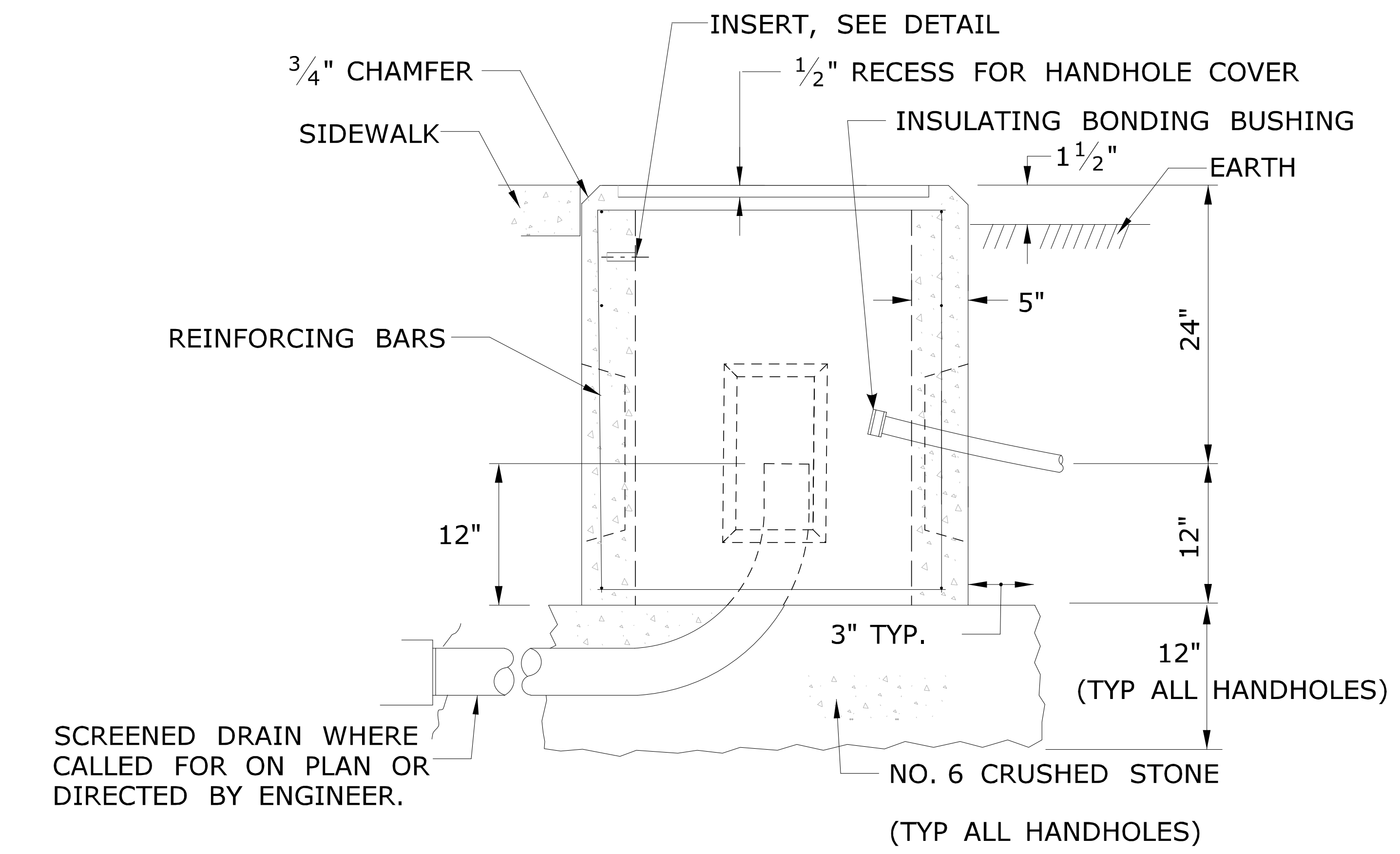


HANDHOLE EXTENSION

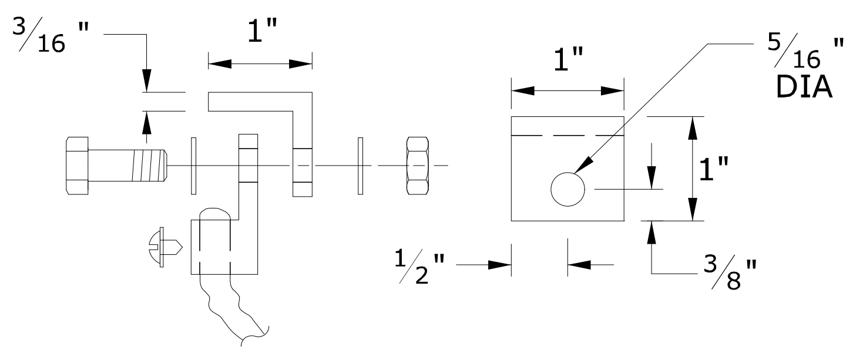


HANDHOLE EXTENSION

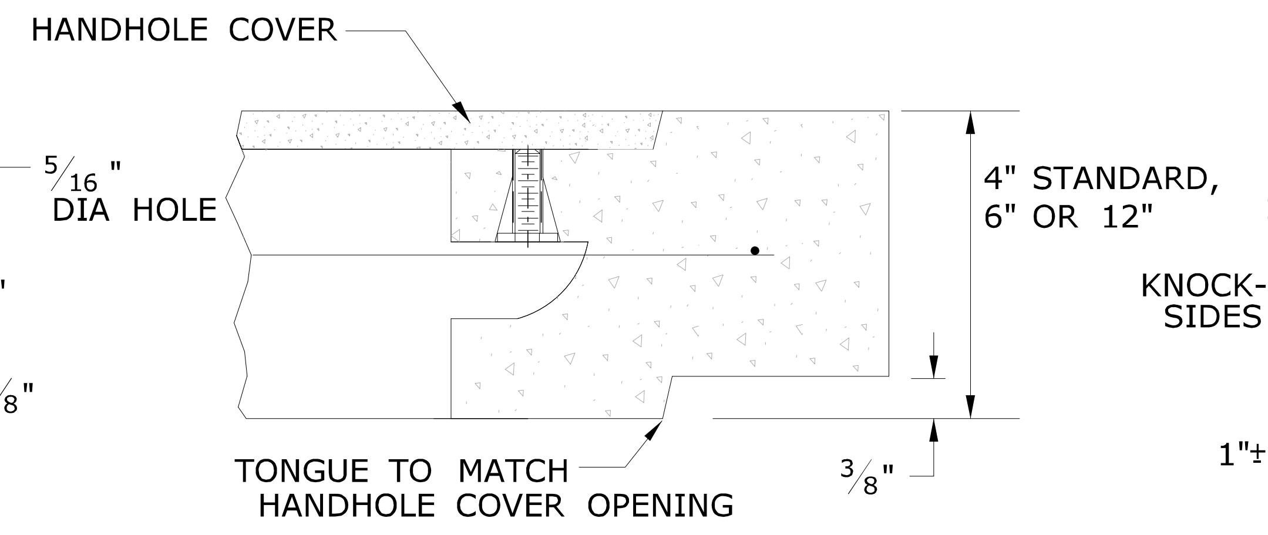
SIDE VIEW



CONCRETE HANDHOLE TYPE I FOR SPLICING INTERCONNECT

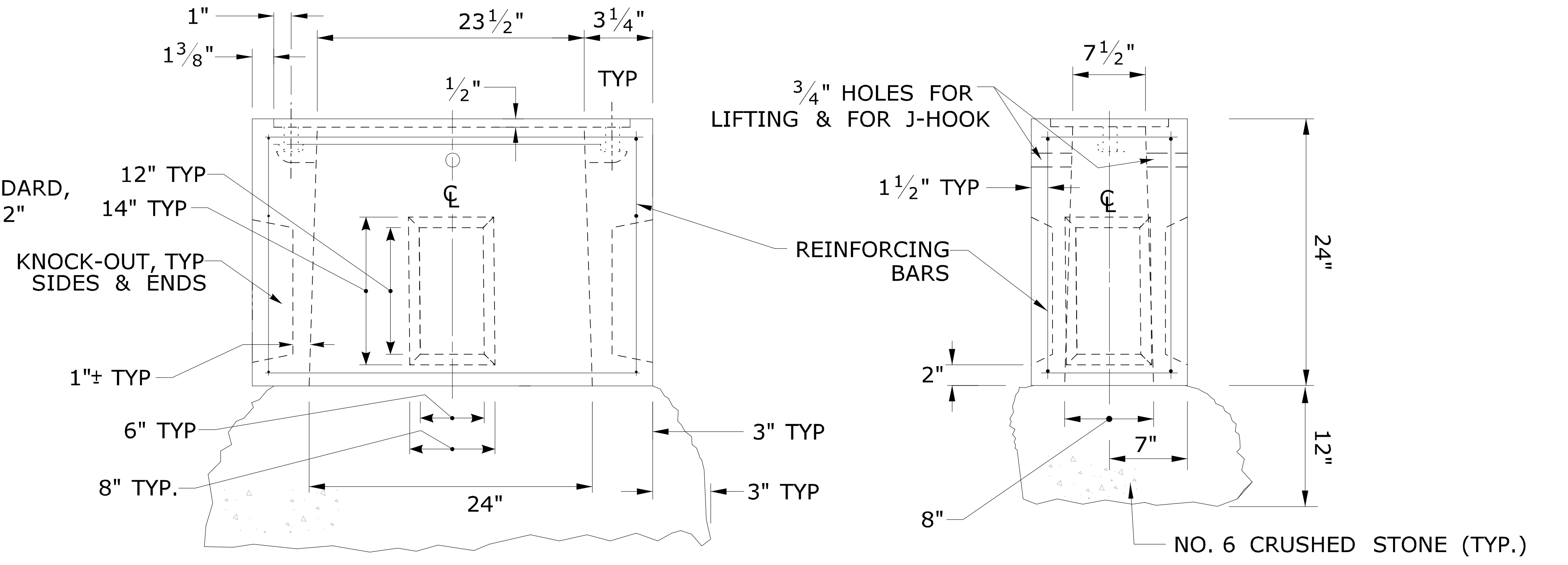


STEEL GROUNDING TAB w/ CONDUCTOR CONNECTOR



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, ¼" - 20 X ¾" LG STAINLESS STEEL HEX HEAD BOLT, AND STAINLESS STEEL FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.
3. CONDUCTOR CONNECTOR: COPPER ALLOY BODY, BRASS SCREW, BRASS OR COPPER ALLOY PRESSURE PLATE.
4. COVER SCREW INSERT: ⅜"-16, 1½"L, STAINLESS STEEL.
5. COVER SCREW: ⅜"-16, 1"L, FLAT HEAD, SLOTTED, STAINLESS STEEL.

HANDHOLE NOTES:

1. CONCRETE: (PRECAST) PRC04060 IN ACCORDANCE WITH ARTICLE M.14.01
2. COMPLETE TYPE II HANDHOLE:

   IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH HANDHOLE EXTENSION IF NEEDED, AND STEEL COVER.

   IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH HANDHOLE EXTENSION IF NEEDED, AND CAST IRON COVER PAID UNDER A SEPARATE ITEM.
3. PLAN VIEW DIMENSIONS, SECTION VIEW, & DETAILS, SAME FOR BASE SECTION, EXTENSIONS & BANK ADAPTER.
4. GROUT AROUND ALL CONDUITS.
5. INSTALL 30" SIDE PARALLEL TO ROAD UNLESS OTHERWISE NOTED.
6. INSTALL HANDHOLES APPROX. 12" BEHIND CURB OR IF NO CURB, 24" BEHIND EDGE OF ROAD UNLESS OTHERWISE SPECIFIED.
7. CAST THE WORD "TRAFFIC" INTO TOP EDGE OF HANDHOLE, 1½" LETTERS.
8. WHERE AN EXISTING CONCRETE SIDEWALK SLAB ABUTTING A HANDHOLE IS DAMAGED OR CUT DURING INSTALLATION, REPLACE THE ENTIRE SIDEWALK SECTION.
9. 12-#3 REINFORCING BARS REQUIRED FOR ALL HANDHOLES. (8 HORIZONTAL, 4 VERTICAL)
10. FOR TYPE I INTERCONNECT HANDHOLE 2" RMC ENTERING AND EXITING HANDHOLE MUST BE INSTALLED PERPENDICULAR TO THE SIDEWALL OF THE HANDHOLE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RADIUS OF THE INSTALLED RMC IS NOT GREATER THAN THE MINIMUM ALLOWED FOR FIBER OPTIC CABLE.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

☐ PROPOSED HANDHOLE
■ EXISTING HANDHOLE

NOT TO SCALE

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

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

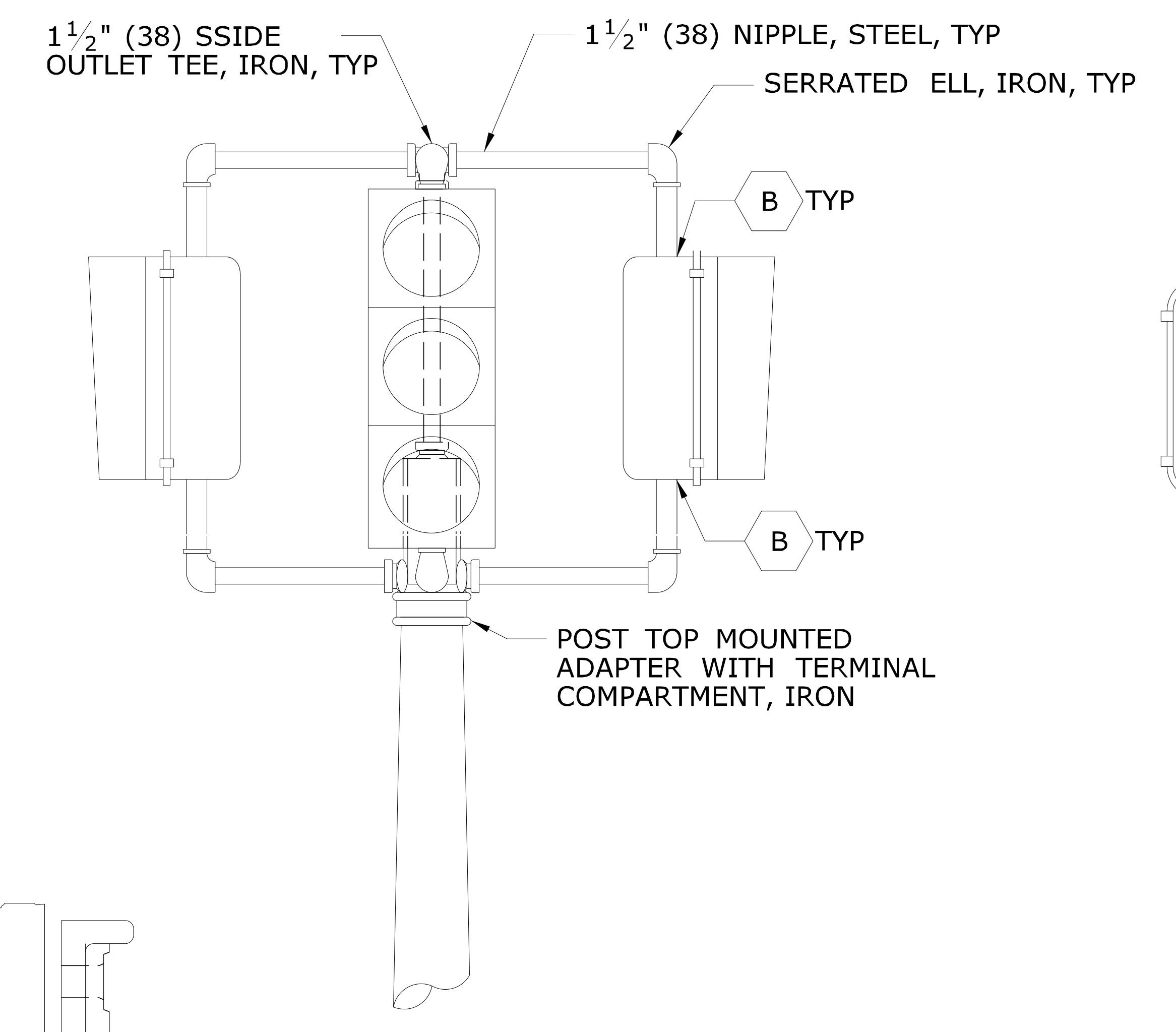
APPOVED BY:
Digitally signed by
Matthew C. Blume, P.E.,
PTOE
Date: 2024.02.21
08:26:02-05'00'

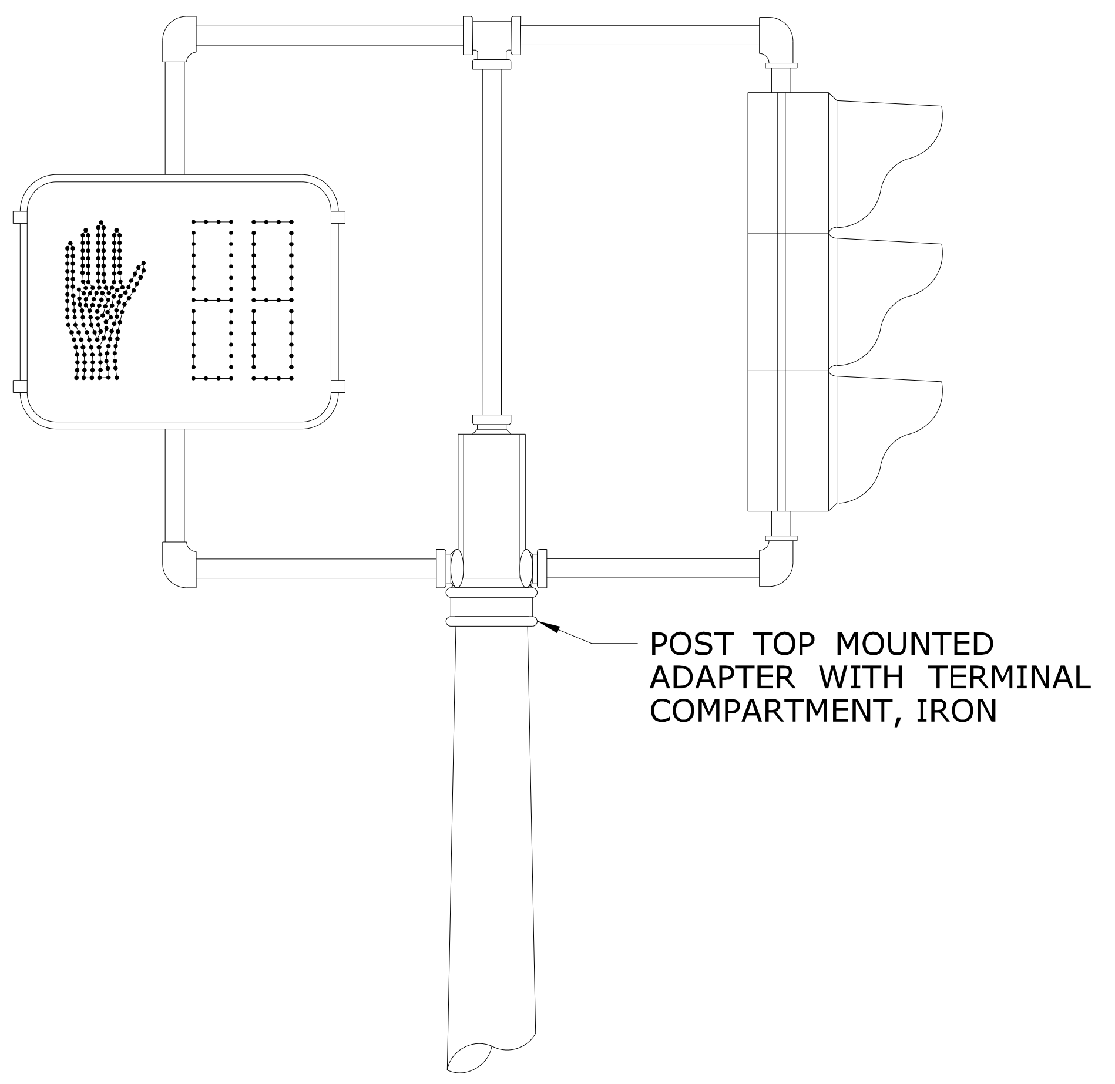
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

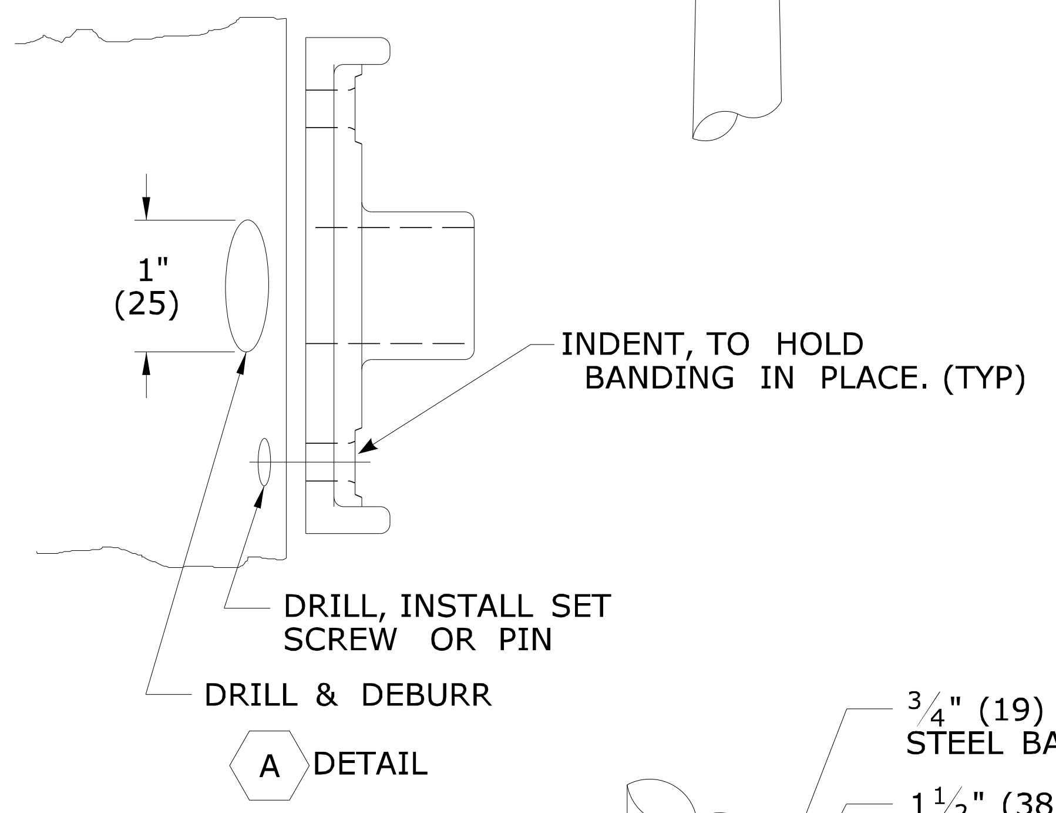
CTDOT
STANDARD SHEET

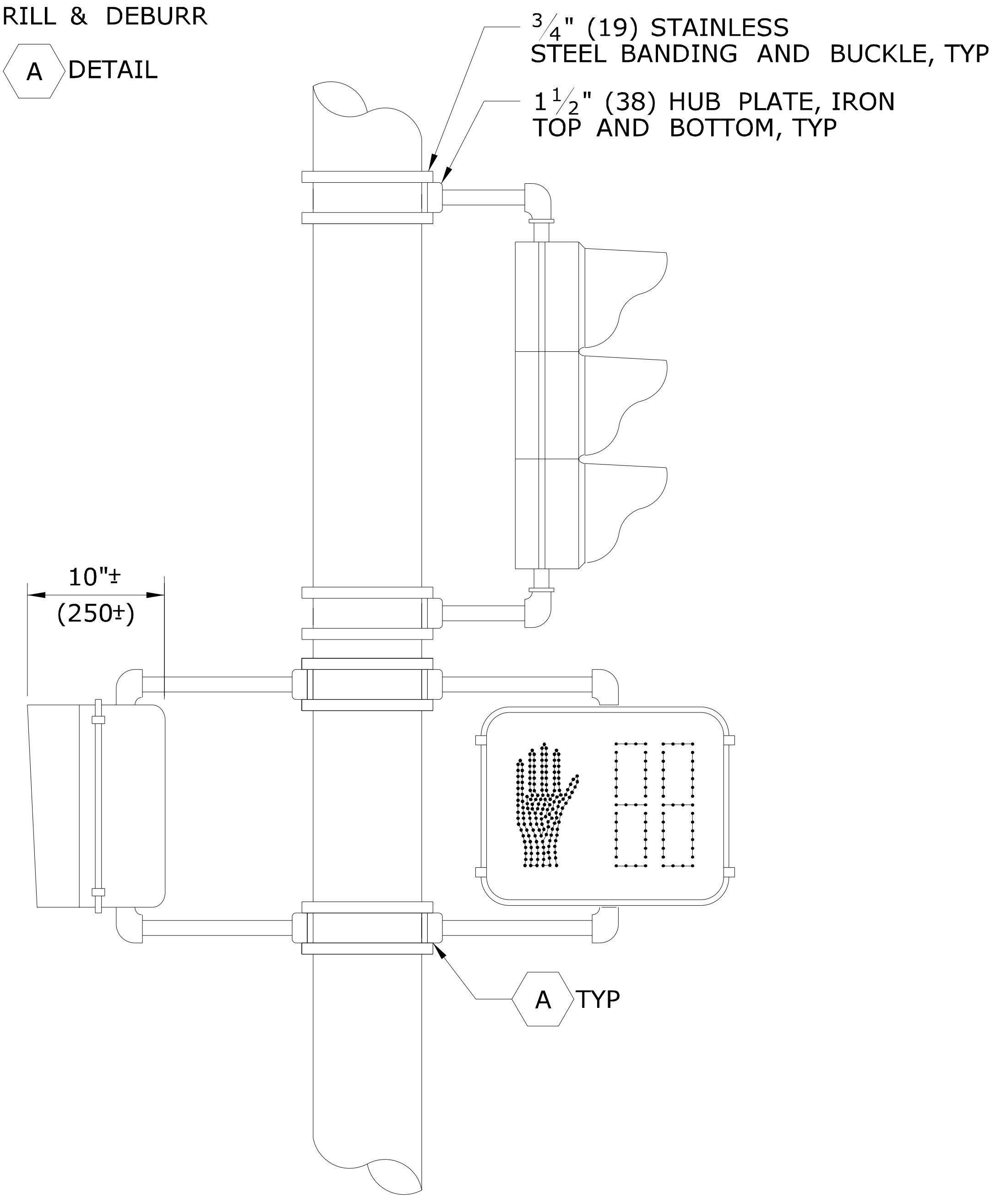
STANDARD SHEET TITLE:
CONCRETE HANDHOLE

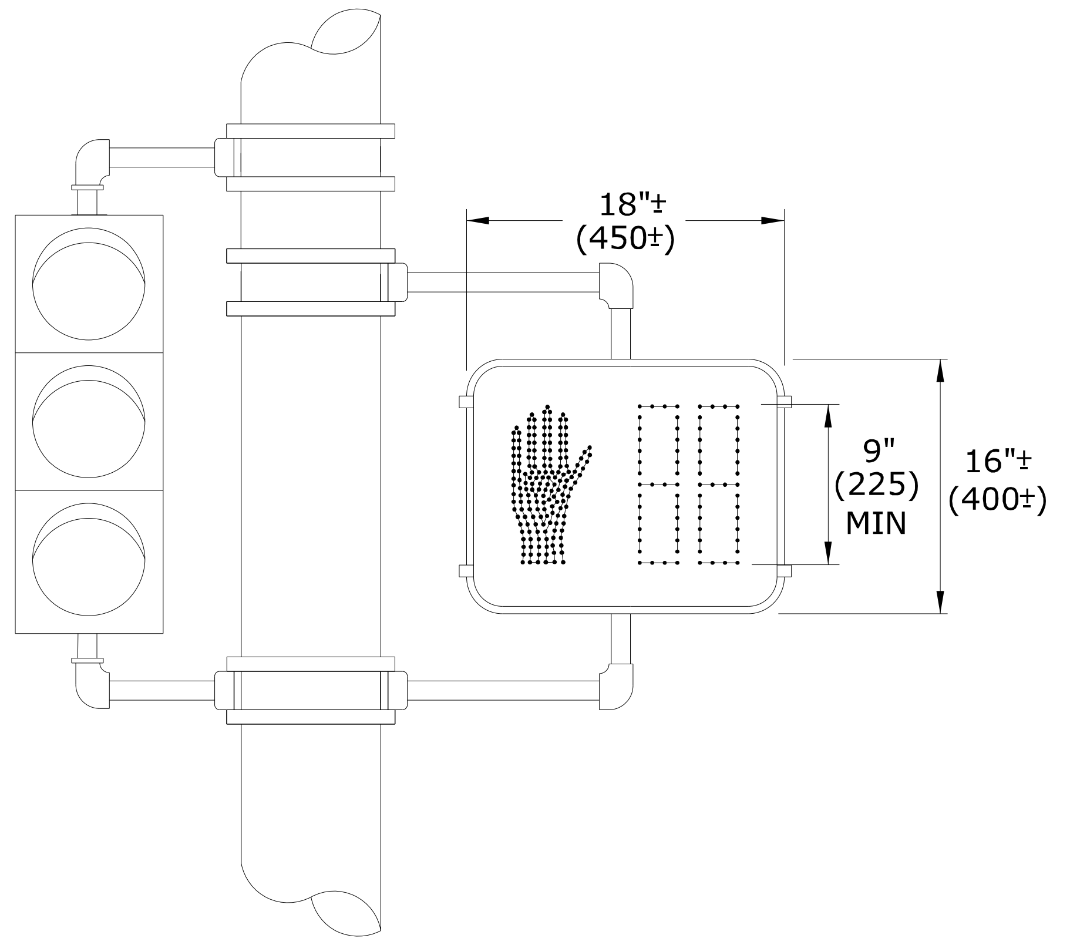
STANDARD SHEET NO.:
TR-1010_01

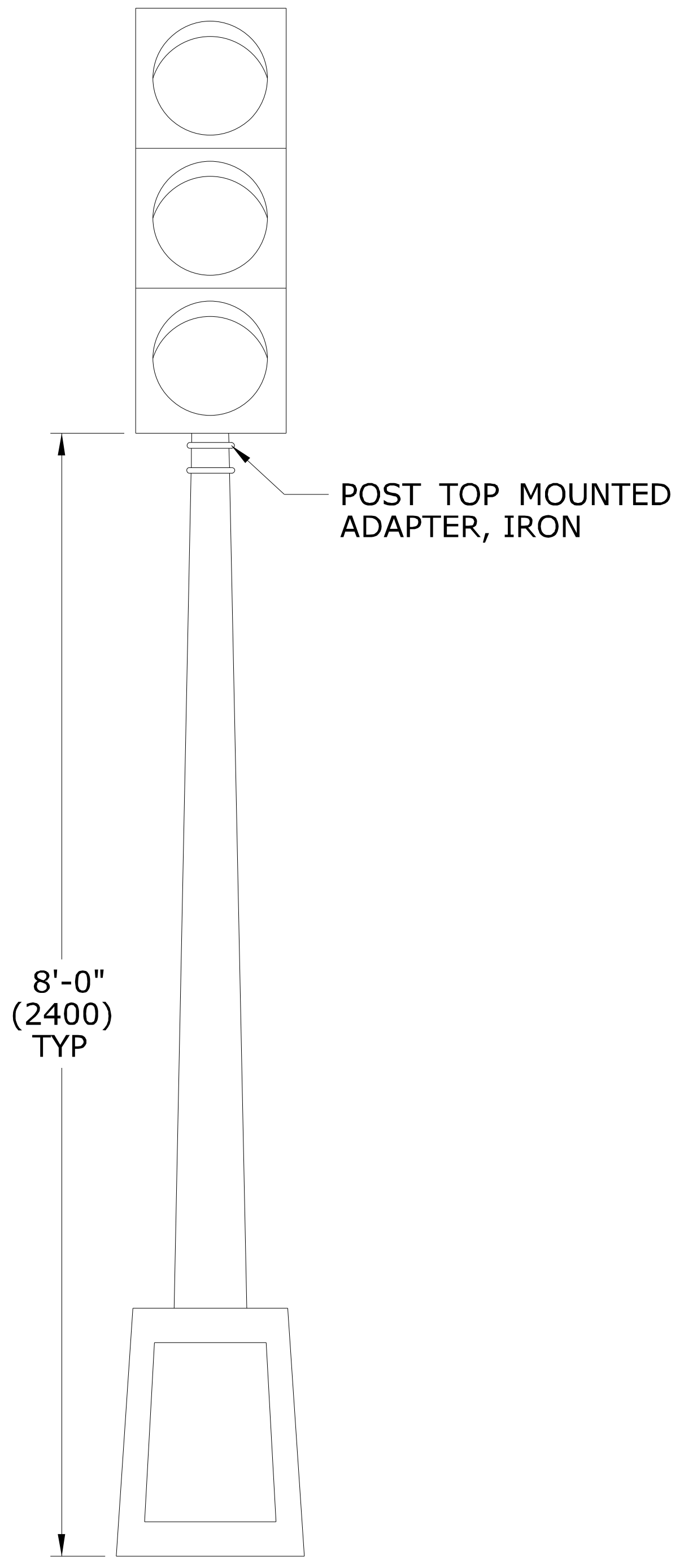

1½" (38) SSIDE OUTLET TEE, IRON, TYP
1½" (38) NIPPLE, STEEL, TYP
SERRATED ELL, IRON, TYP
B TYP
B TYP
POST TOP MOUNTED ADAPTER WITH TERMINAL COMPARTMENT, IRON



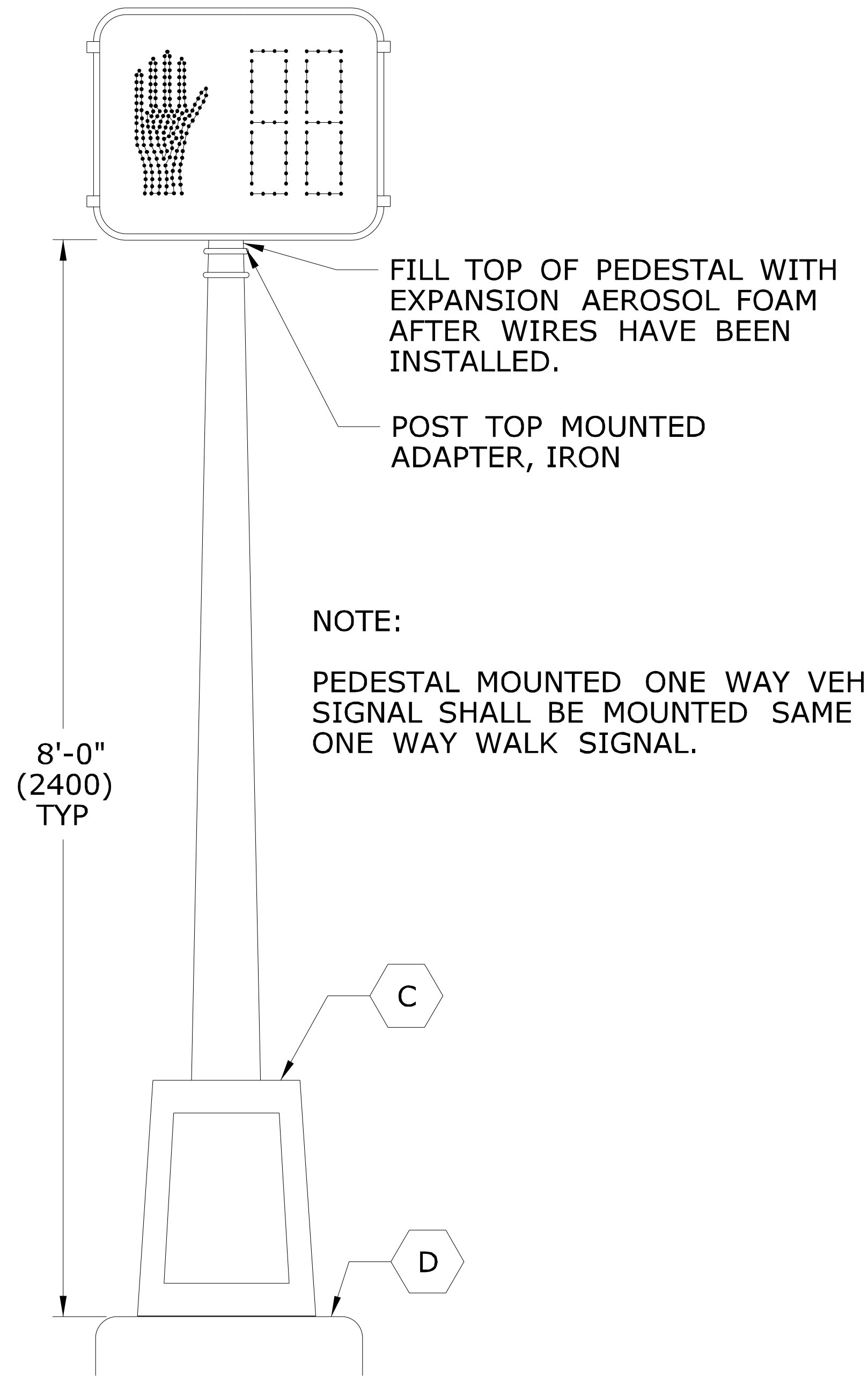

1" (25)
INDENT, TO HOLD BANDING IN PLACE. (TYP)
DRILL, INSTALL SET SCREW OR PIN
DRILL & DEBURR
A DETAIL


¾" (19) STAINLESS STEEL BANDING AND BUCKLE, TYP
1½" (38) HUB PLATE, IRON TOP AND BOTTOM, TYP
10"± (250±)
A TYP





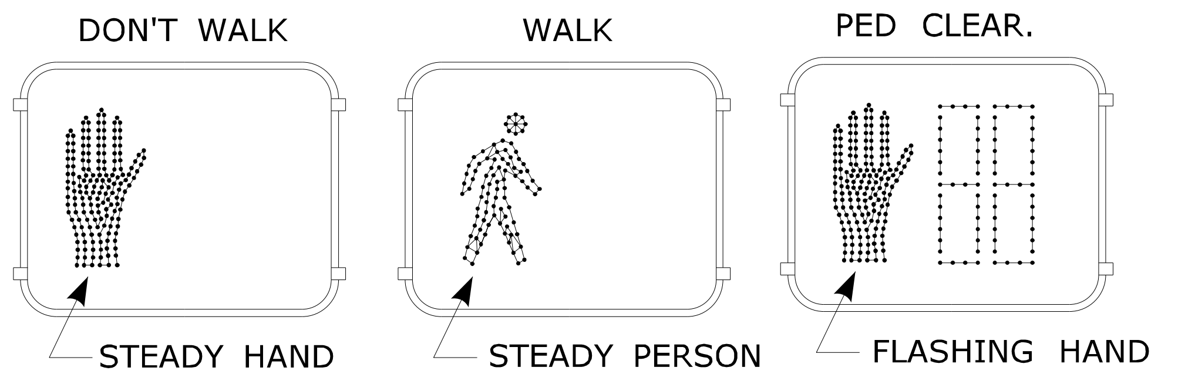
ONE WAY TRAFFIC SIGNAL PEDESTAL MOUNTED


FILL TOP OF PEDESTAL WITH EXPANSION AEROSOL FOAM AFTER WIRES HAVE BEEN INSTALLED.
POST TOP MOUNTED ADAPTER, IRON
8'-0" (2400) TYP
C
D

NOTE:

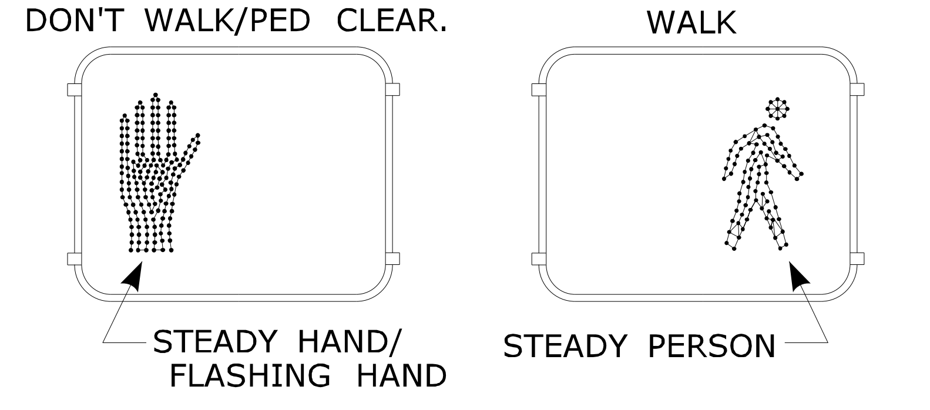
PEDESTAL MOUNTED ONE WAY VEHICLE SIGNAL SHALL BE MOUNTED SAME AS ONE WAY WALK SIGNAL.

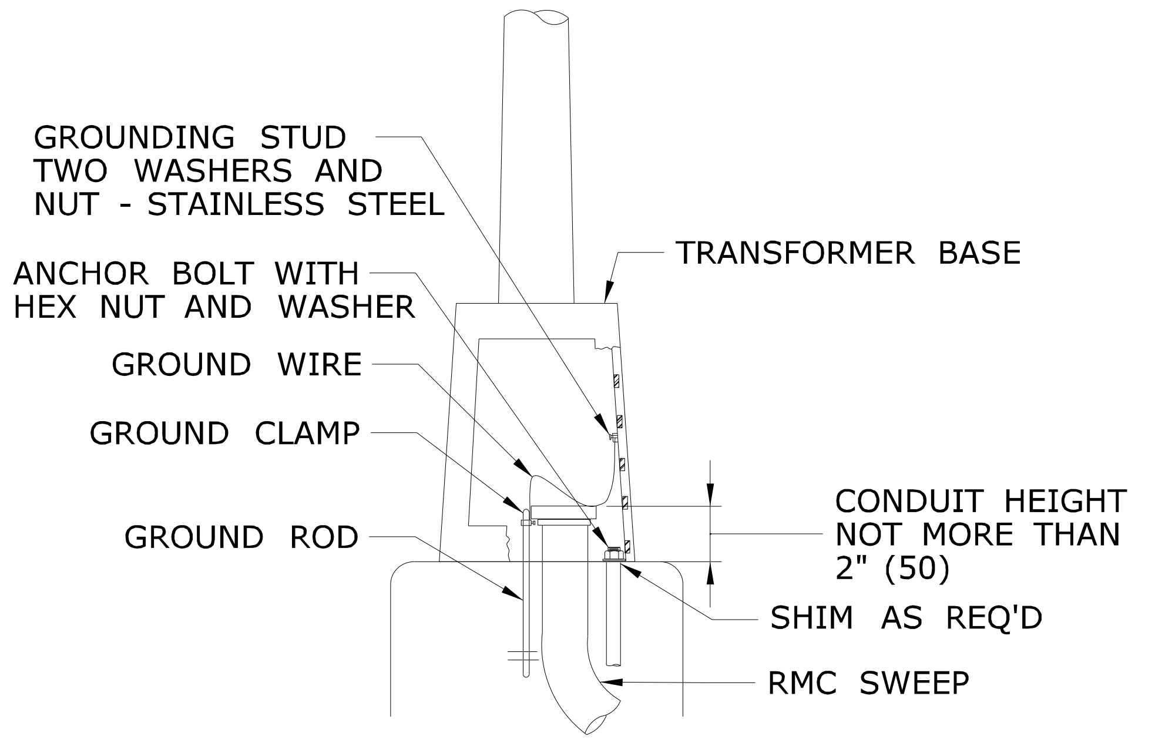
ONE WAY WALK SIGNAL PEDESTAL MOUNTED



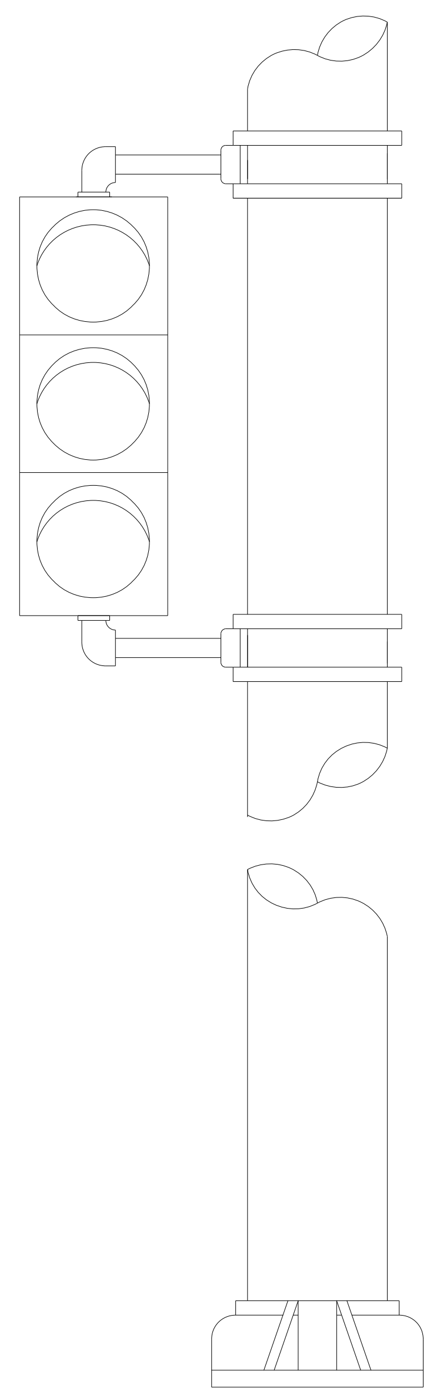
TYPICAL INDICATION WHEN LIT

NON-COUNTDOWN DISPLAY, ONLY WHEN SHOWN ON PLAN.

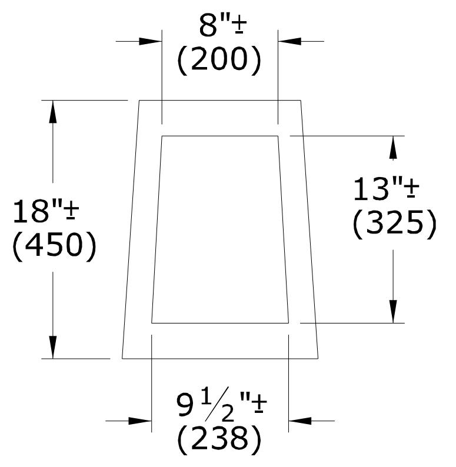



GROUNDING STUD TWO WASHERS AND NUT - STAINLESS STEEL
TRANSFORMER BASE
ANCHOR BOLT WITH HEX NUT AND WASHER
GROUND WIRE
GROUND CLAMP
GROUND ROD
CONDUIT HEIGHT NOT MORE THAN 2" (50)
SHIM AS REQ'D
RMC SWEEP

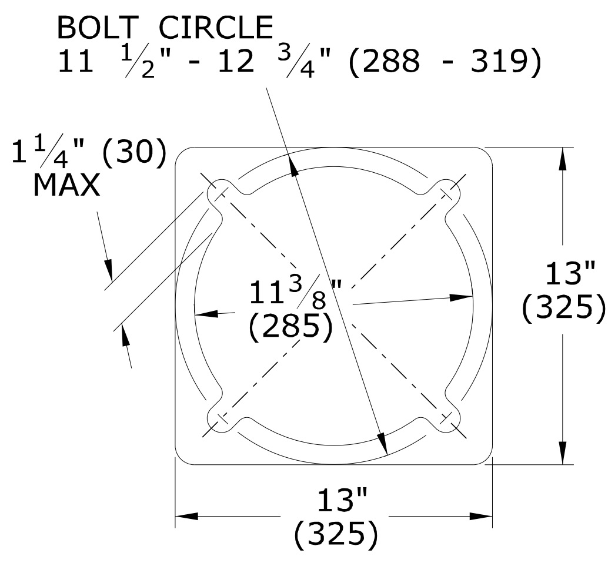
ALUMINUM PEDESTAL INSTALLATION DETAIL



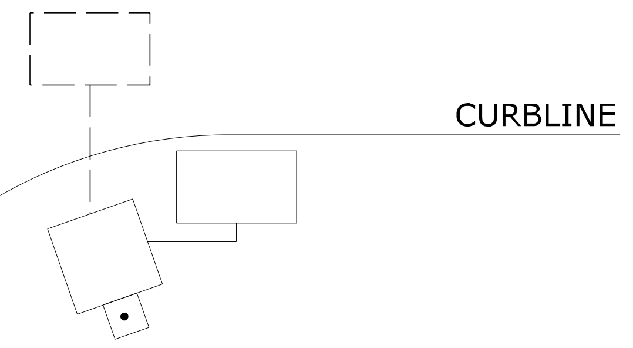
ONE WAY TRAFFIC SIGNAL POLE MOUNTED



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
P□	PEDESTRIAN SIGNAL
P□-□	PEDESTAL MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS
P□-◎	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
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

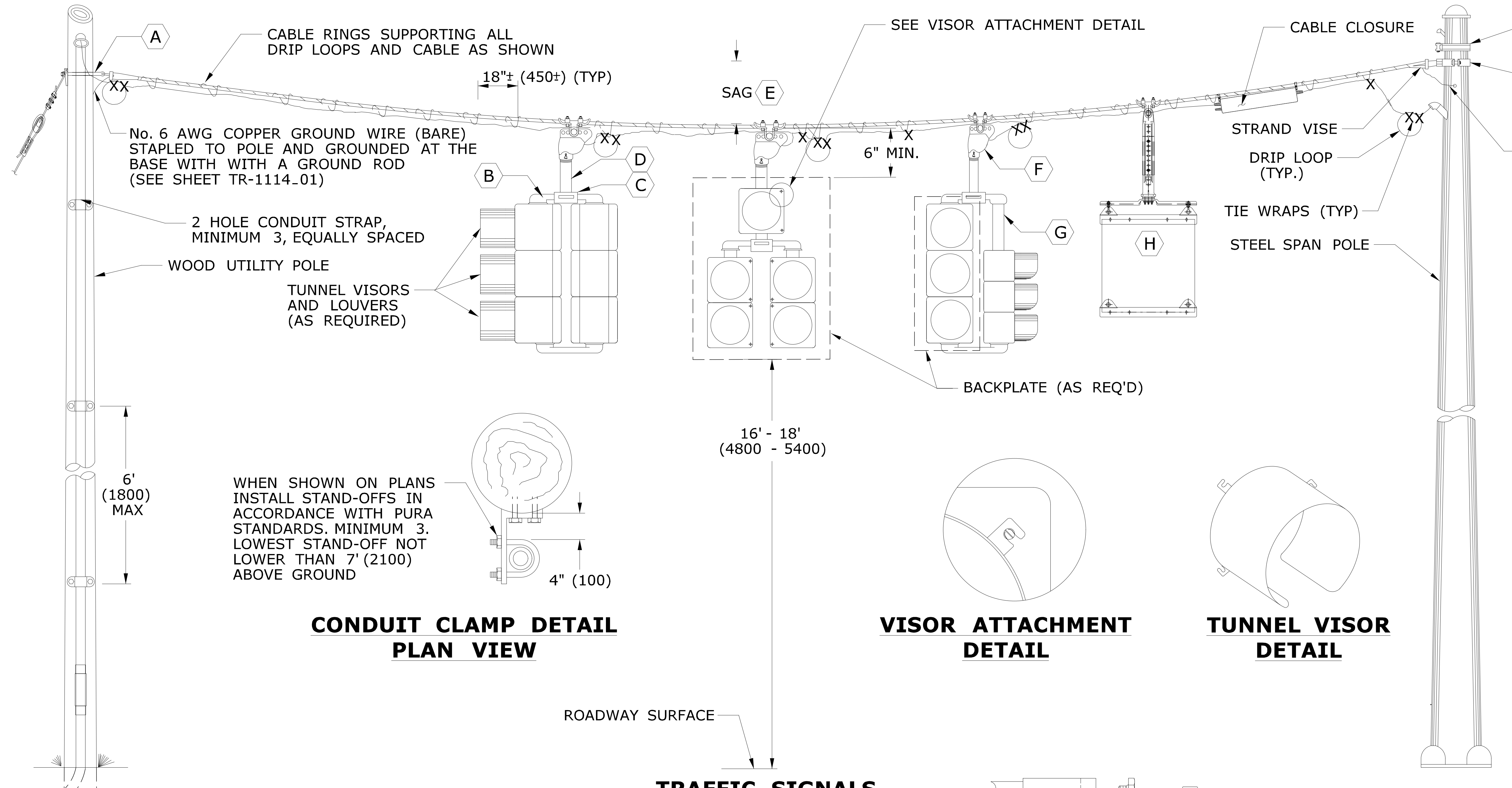
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PEDESTALS, PEDESTRIAN SIGNALS

STANDARD SHEET NO.:

TR-1102_01


A
XX
CABLE RINGS SUPPORTING ALL DRIP LOOPS AND CABLE AS SHOWN
18"± (450±) (TYP)
SAG E
SEE VISOR ATTACHMENT DETAIL
CABLE CLOSURE
RIGID SERVICE CLEVIS W/2 STAINLESS STEEL BANDS
GALVANIZED HEAVY DUTY POLE CLAMP
No. 6 AWG COPPER GROUND WIRE (BARE) STAPLED TO POLE AND GROUNDED AT THE BASE WITH WITH A GROUND ROD (SEE SHEET TR-1114_01)
X
XX
D
C
B
6" MIN.
F
STRAND VISE
DRIP LOOP (TYP.)
TIE WRAPS (TYP)
No. 6 AWG COPPER GROUND WIRE (BARE)
2 HOLE CONDUIT STRAP, MINIMUM 3, EQUALLY SPACED
G
H
STEEL SPAN POLE
WOOD UTILITY POLE
TUNNEL VISORS AND LOUVERS (AS REQUIRED)
BACKPLATE (AS REQ'D)
16' - 18' (4800 - 5400)
6' (1800) MAX
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)
ROADWAY SURFACE

CONDUIT CLAMP DETAIL PLAN VIEW

VISOR ATTACHMENT DETAIL

TUNNEL VISOR DETAIL

TRAFFIC SIGNALS SPAN WIRE SUSPENDED

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.

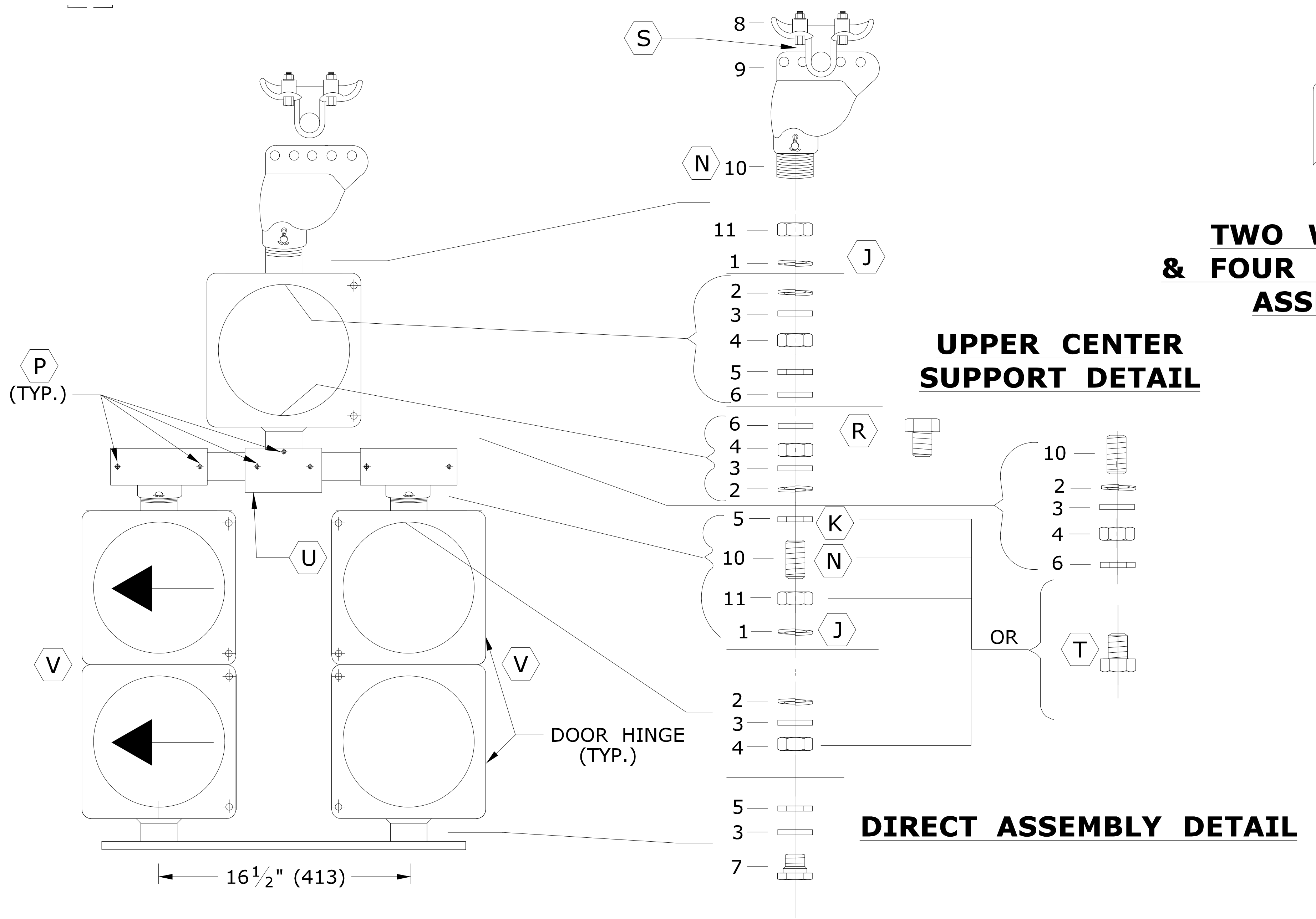
ITEM DESCRIPTION, FOR ASSEMBLY DETAILS

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

TABLE NOTES:

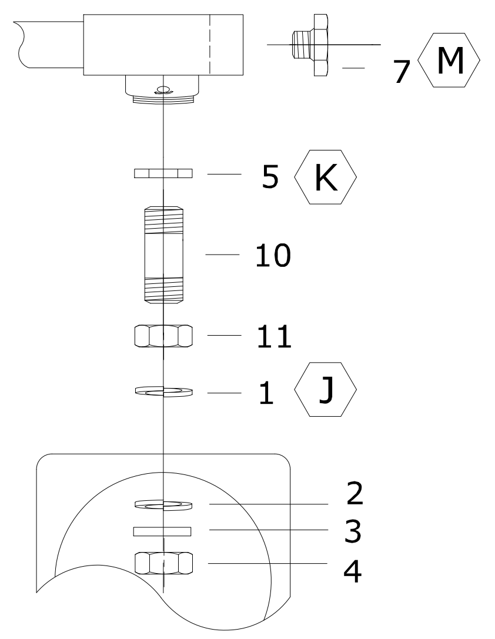
1. INSTALL SEPARATE CABLE BETWEEN CLOSURE AND EACH TRAFFIC SIGNAL ASSEMBLY. WIRE EACH TRAFFIC SIGNAL SECTION SEPARATELY BACK TO CABLE CLOSURE. JUMPERS BETWEEN TERMINALS ARE NOT ALLOWED EXCEPT ON NEUTRAL CONDUCTORS.
2. WIRE ALL SIGNALS, SAME DIRECTION FROM CONTROLLER, SEPARATELY WITH CONDUCTORS IN 21 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.

SPAN WIRE HANGER ASSEMBLY DETAIL



UPPER CENTER SUPPORT DETAIL

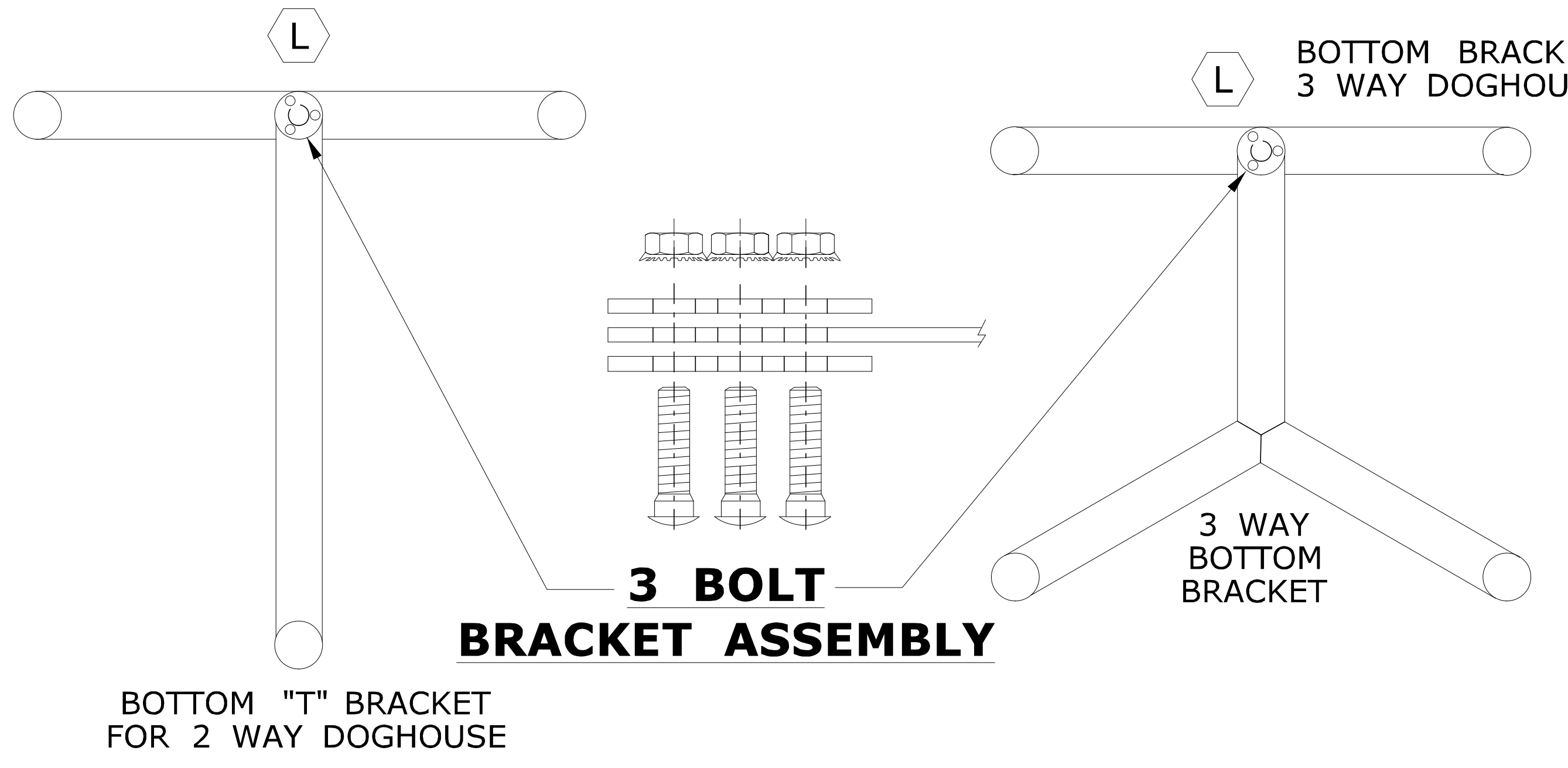
DIRECT ASSEMBLY DETAIL



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

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.


L
L
BOTTOM BRACKET FOR 3 WAY DOGHOUSE
3 WAY BOTTOM BRACKET
BOTTOM "T" BRACKET FOR 2 WAY DOGHOUSE

3 BOLT BRACKET ASSEMBLY

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.

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

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

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

Plotted Date: 5/22/2018

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD_2018-05-21.dgn Model: TR-1105_01

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty
Tracy L. Fogarty, P.E.
2018.08.16 12:13:06-04'00'

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

CTDOT
STANDARD SHEET

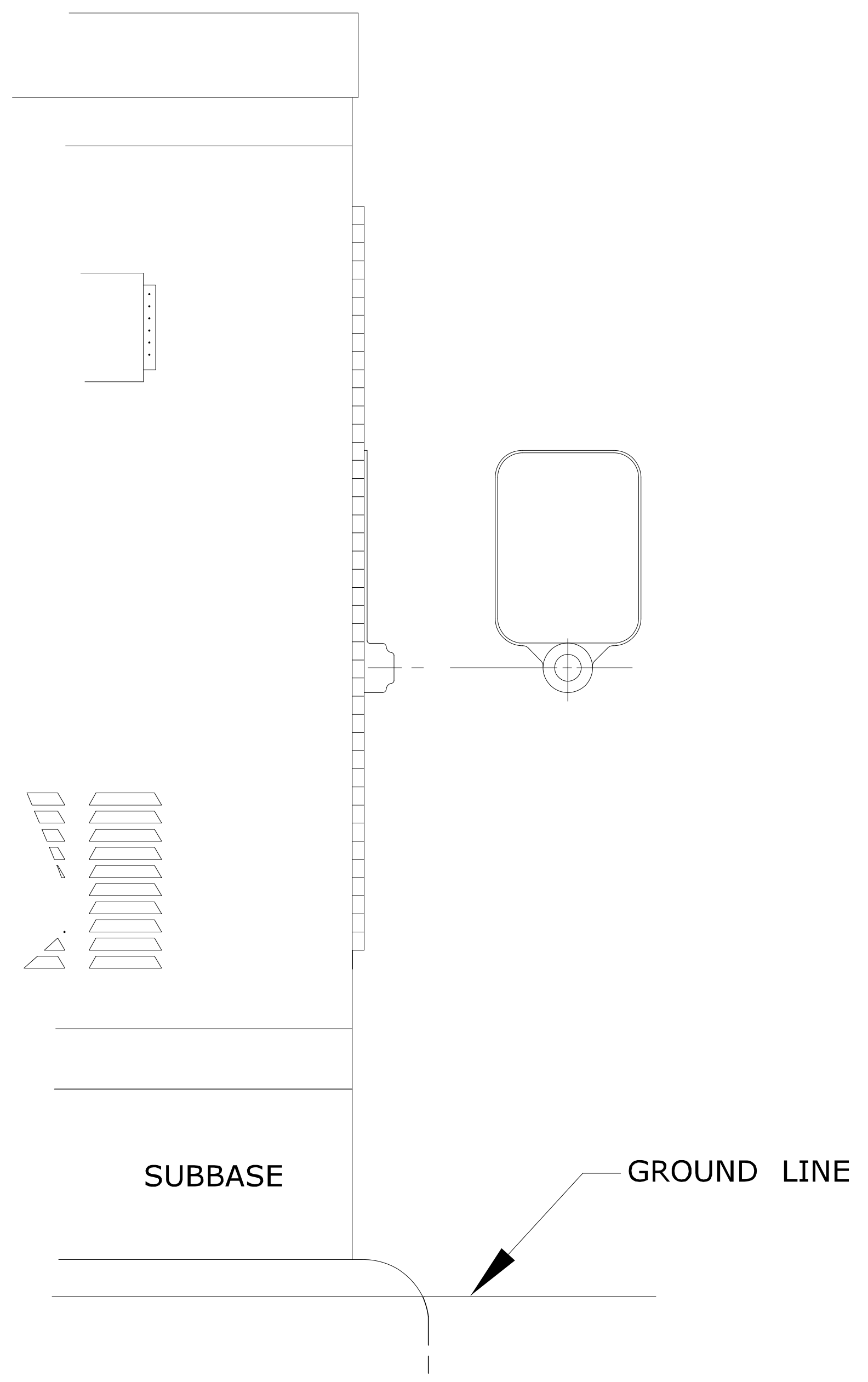
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

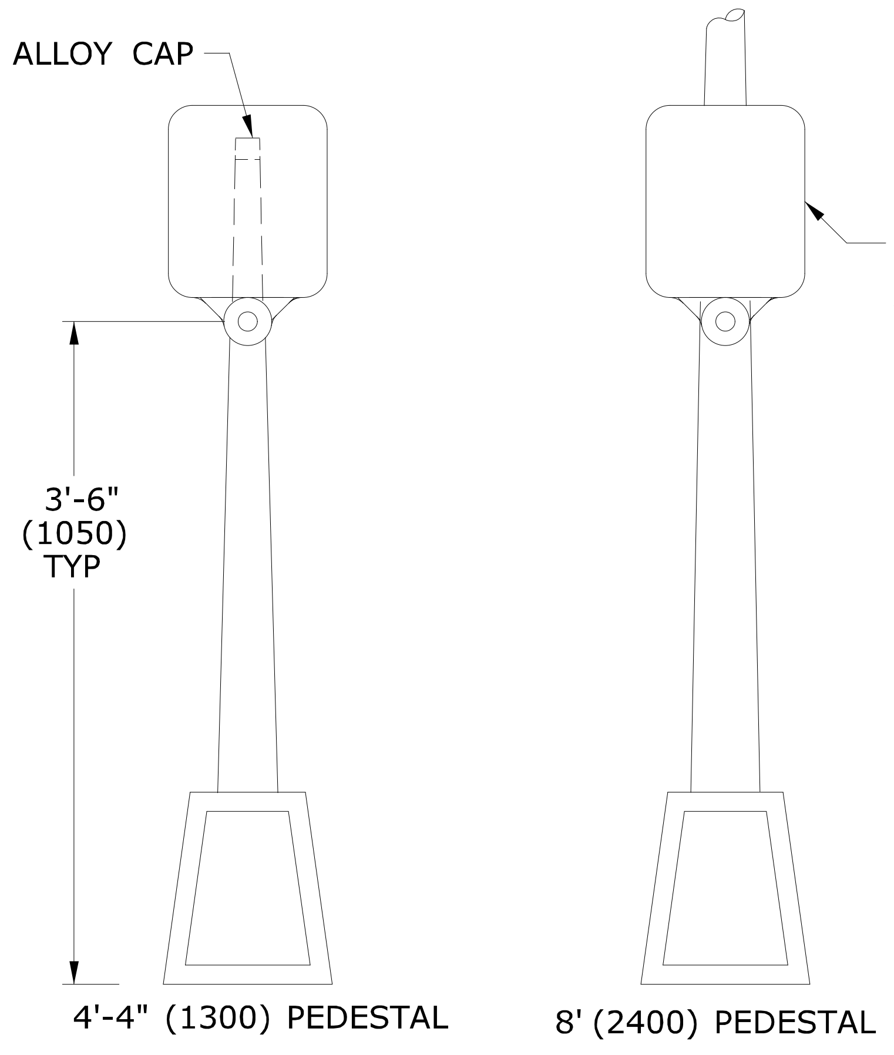
TRAFFIC SIGNALS
& CABLE ASSIGNMENTS

STANDARD SHEET NO.:

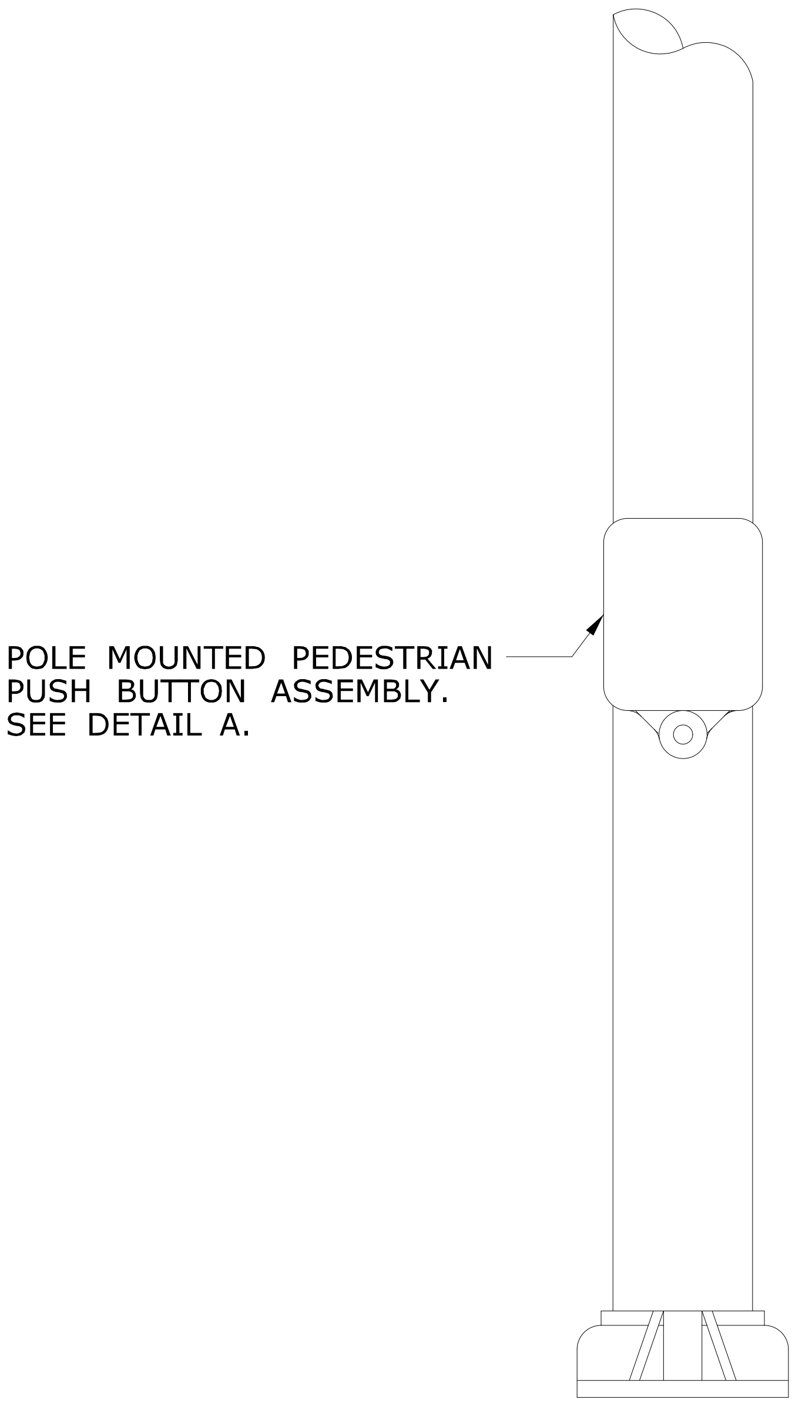
TR-1105_01



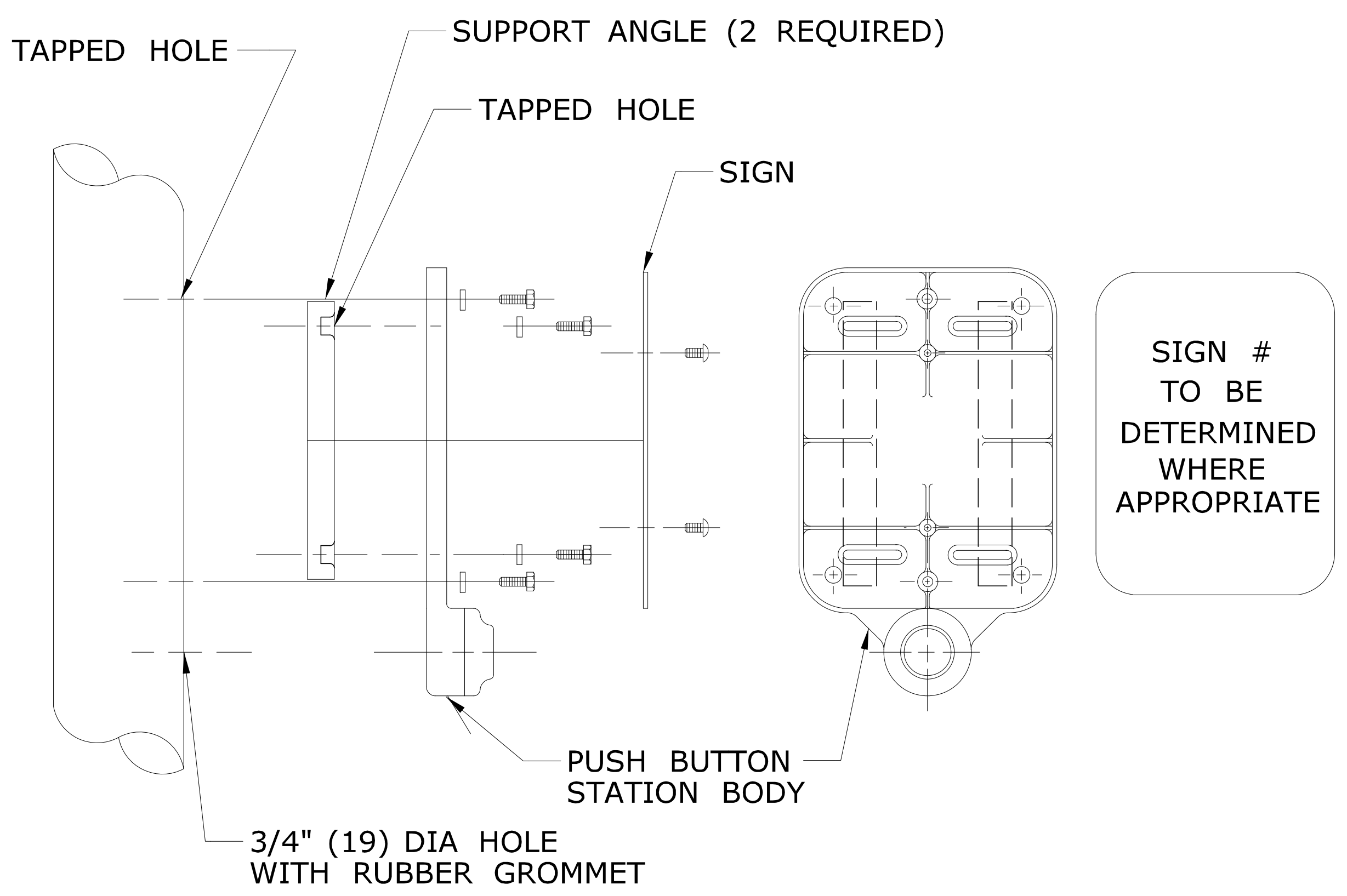
SURFACE MOUNTED



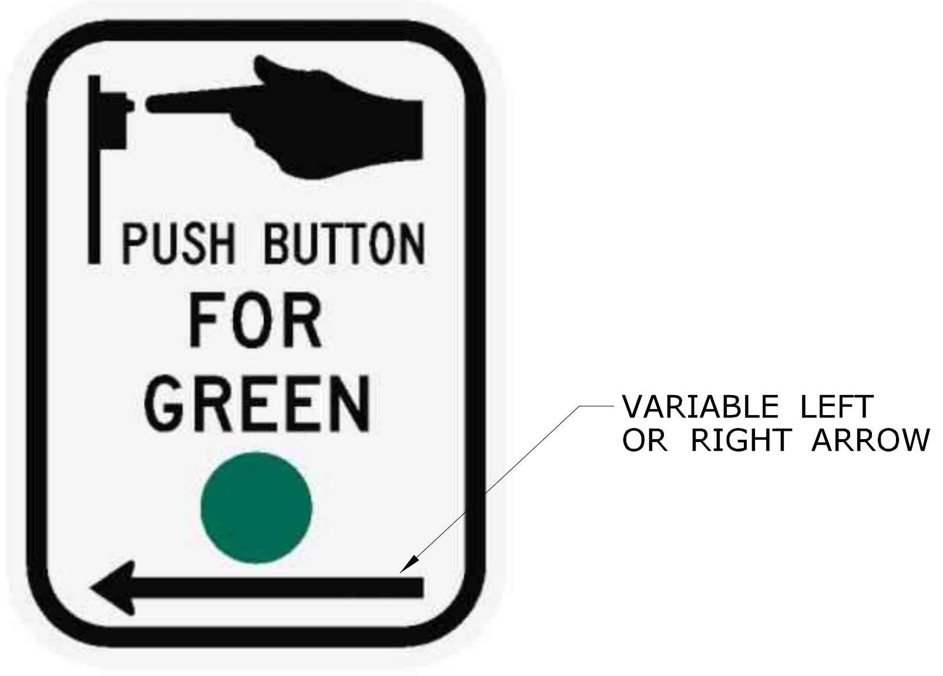
PEDESTAL MOUNTED



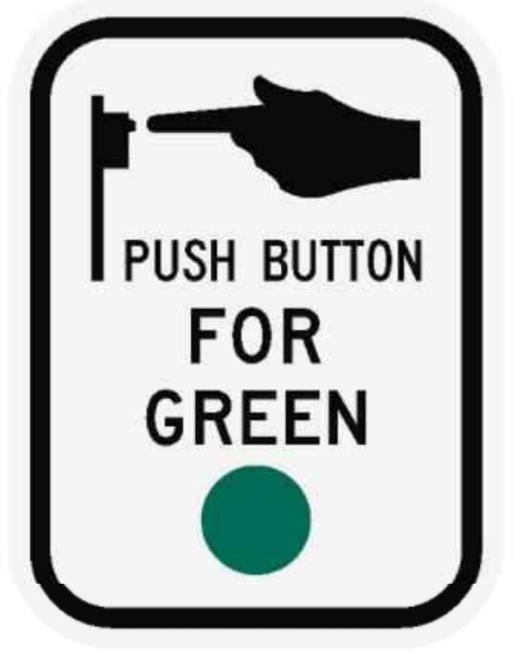
SPAN POLE/MAST ARM MOUNTED


TAPPED HOLE
SUPPORT ANGLE (2 REQUIRED)
TAPPED HOLE
SIGN
SIGN # TO BE DETERMINED WHERE APPROPRIATE
PUSH BUTTON STATION BODY
3/4" (19) DIA HOLE WITH RUBBER GROMMET

DETAIL A



SIGN # 31-0833
USE APPROPRIATE LEFT OR RIGHT ARROW

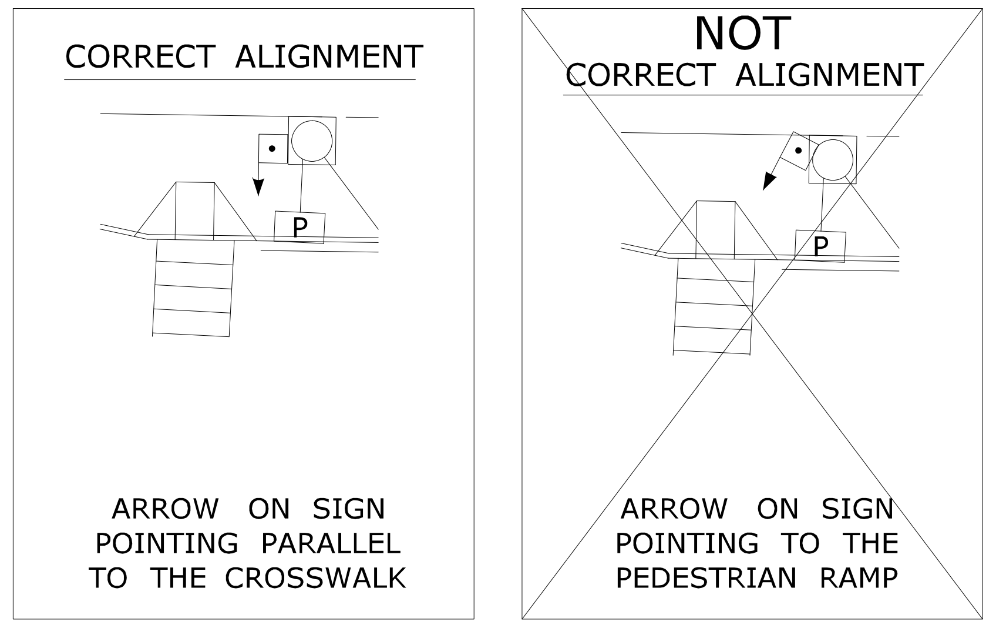


SIGN # 31-0835

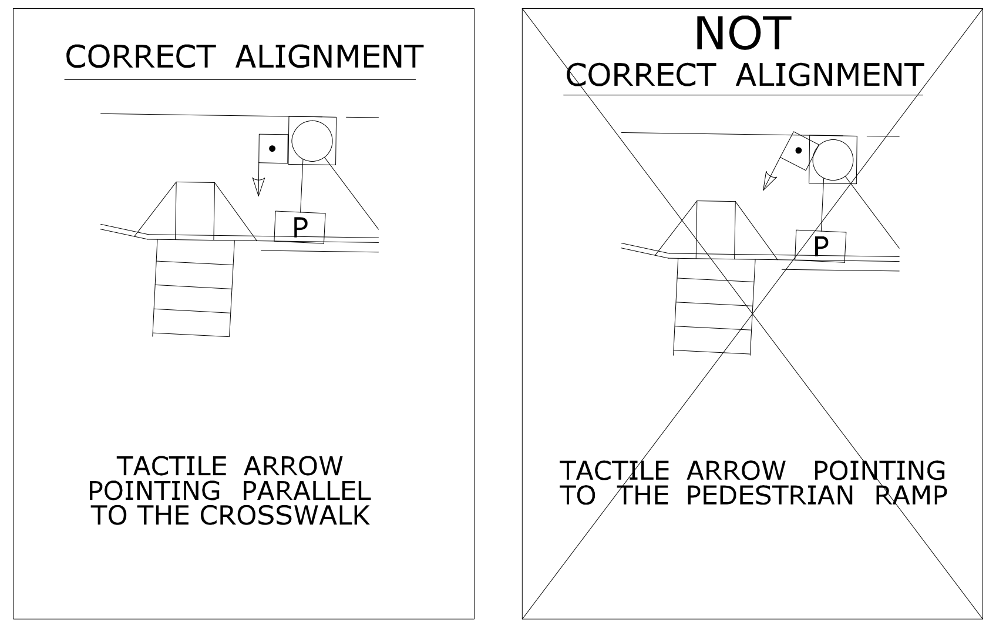
FOR CROSSING WITH SIDE STREET GREEN

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.

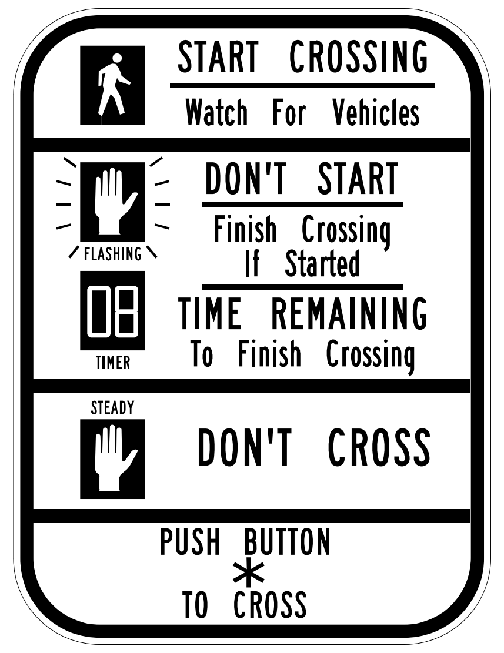

CORRECT ALIGNMENT
P
ARROW ON SIGN POINTING PARALLEL TO THE CROSSWALK
NOT CORRECT ALIGNMENT
P
ARROW ON SIGN POINTING TO THE PEDESTRIAN RAMP

PEDESTRIAN PUSH BUTTON ALIGNMENT


CORRECT ALIGNMENT
P
TACTILE ARROW POINTING PARALLEL TO THE CROSSWALK
NOT CORRECT ALIGNMENT
P
TACTILE ARROW POINTING TO THE PEDESTRIAN RAMP

ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR

EXAMPLE ALIGNMENTS FOR EXCLUSIVE PEDESTRIAN PHASE



* USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

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

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

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

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

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Plotted Date: 8/9/2018

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

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

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

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:46:57-04'00'

CTDOT
STANDARD SHEET

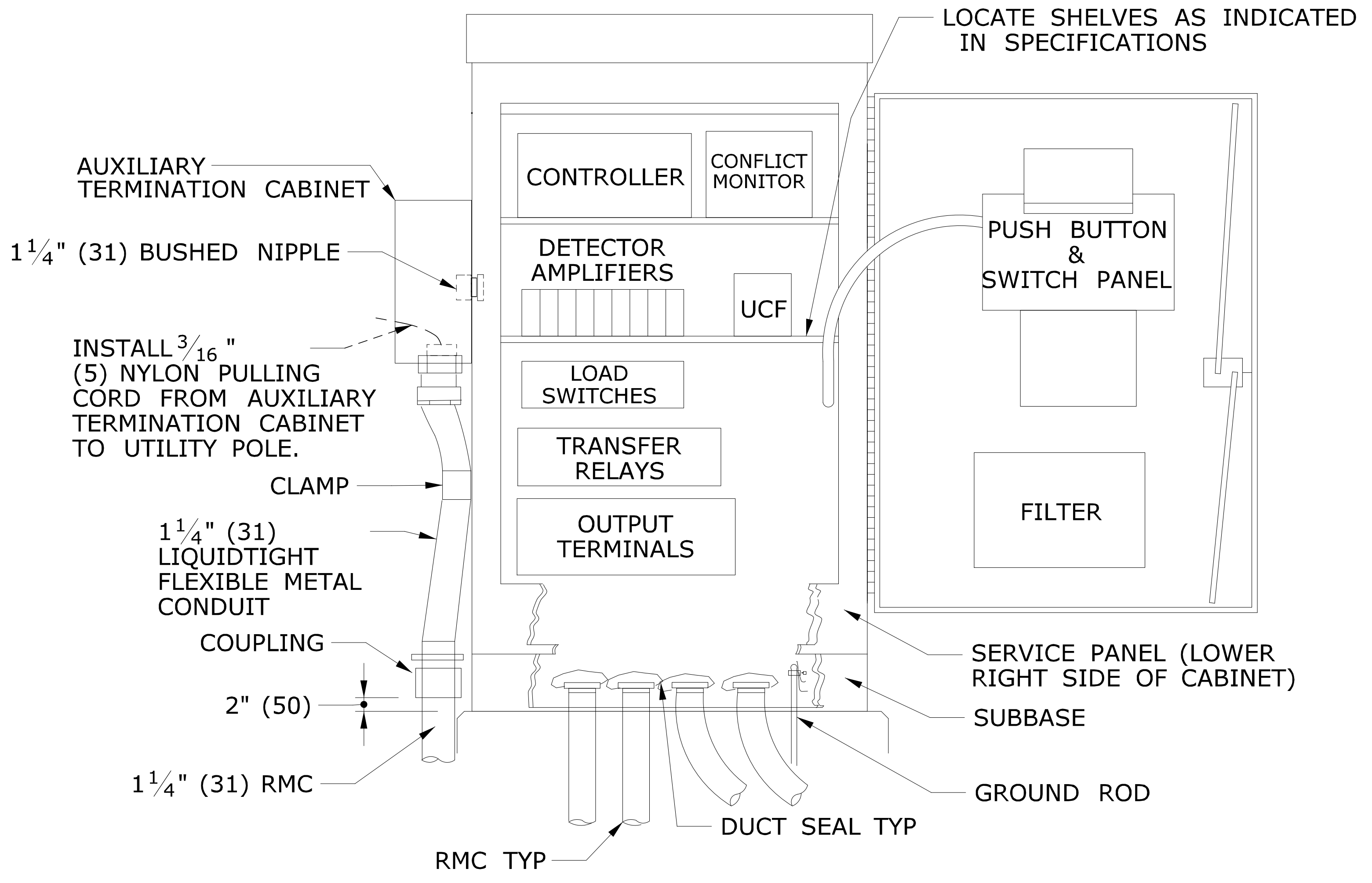
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

PEDESTRIAN PUSH BUTTONS

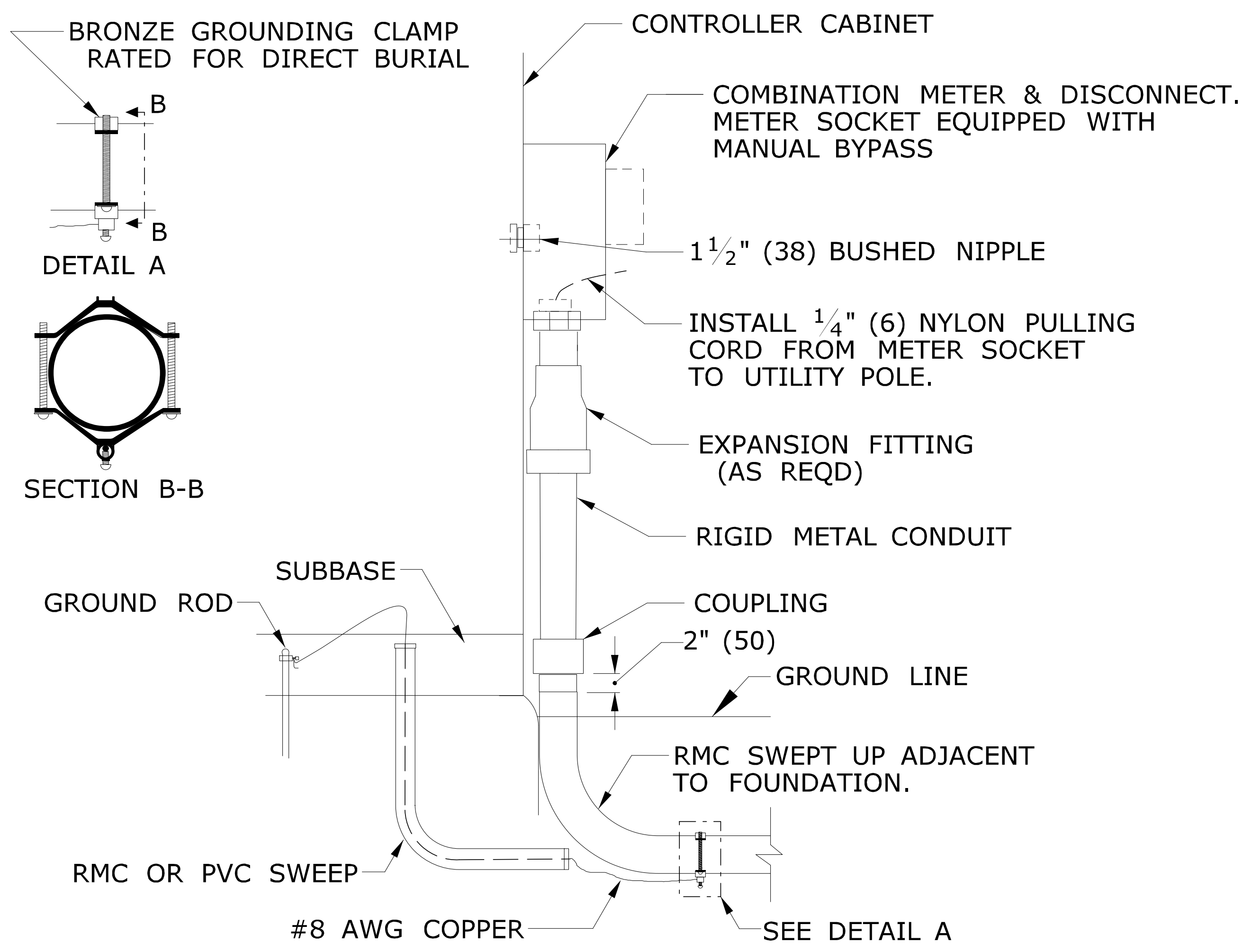
STANDARD SHEET NO.:

TR-1107_01

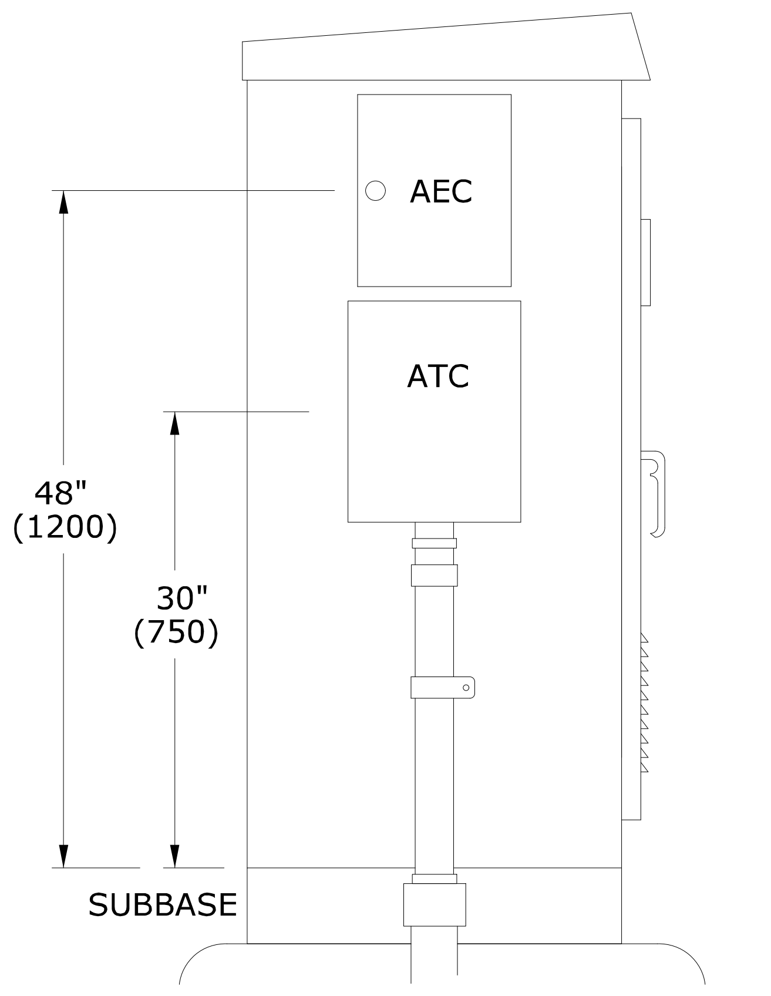

LOCATE SHELVES AS INDICATED IN SPECIFICATIONS
AUXILIARY TERMINATION CABINET
1¼" (31) BUSHED NIPPLE
INSTALL 3⁄16 " (5) NYLON PULLING CORD FROM AUXILIARY TERMINATION CABINET TO UTILITY POLE.
CLAMP
1¼" (31) LIQUIDTIGHT FLEXIBLE METAL CONDUIT
COUPLING
2" (50)
1¼" (31) RMC
RMC TYP
CONTROLLER
CONFLICT MONITOR
DETECTOR AMPLIFIERS
UCF
LOAD SWITCHES
TRANSFER RELAYS
OUTPUT TERMINALS
PUSH BUTTON & SWITCH PANEL
FILTER
SERVICE PANEL (LOWER RIGHT SIDE OF CABINET)
SUBBASE
GROUND ROD
DUCT SEAL TYP

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

TYPICAL BASE MOUNTED CONTROLLER ON TYPE IV FOUNDATION

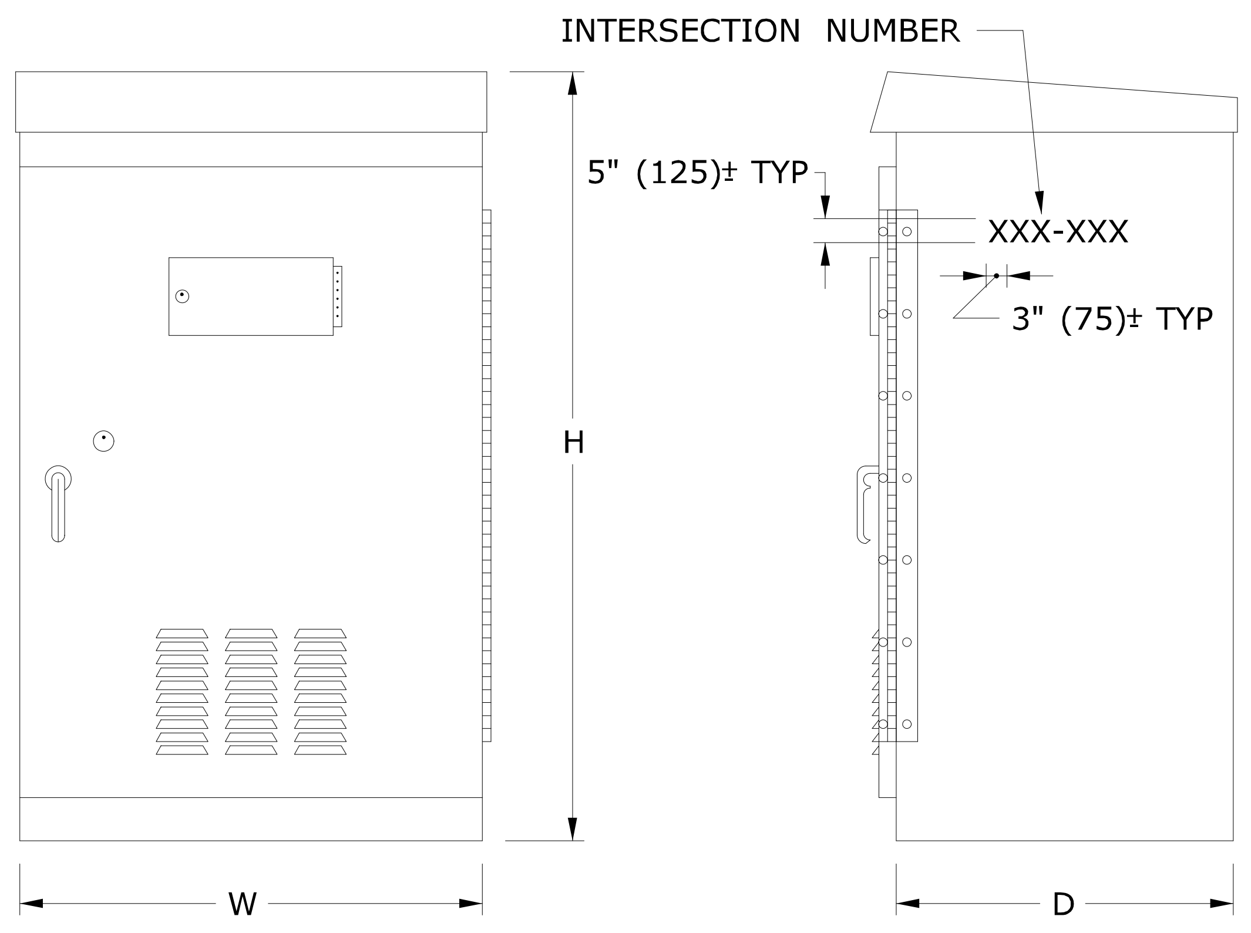

BRONZE GROUNDING CLAMP RATED FOR DIRECT BURIAL
B
B
DETAIL A
SECTION B-B
CONTROLLER CABINET
COMBINATION METER & DISCONNECT. METER SOCKET EQUIPPED WITH MANUAL BYPASS
1½" (38) BUSHED NIPPLE
INSTALL ¼" (6) NYLON PULLING CORD FROM METER SOCKET TO UTILITY POLE.
EXPANSION FITTING (AS REQD)
RIGID METAL CONDUIT
SUBBASE
GROUND ROD
COUPLING
2" (50)
GROUND LINE
RMC SWEPT UP ADJACENT TO FOUNDATION.
RMC OR PVC SWEEP
#8 AWG COPPER
SEE DETAIL A

CONTROLLER CABINET WITH METERED SERVICE



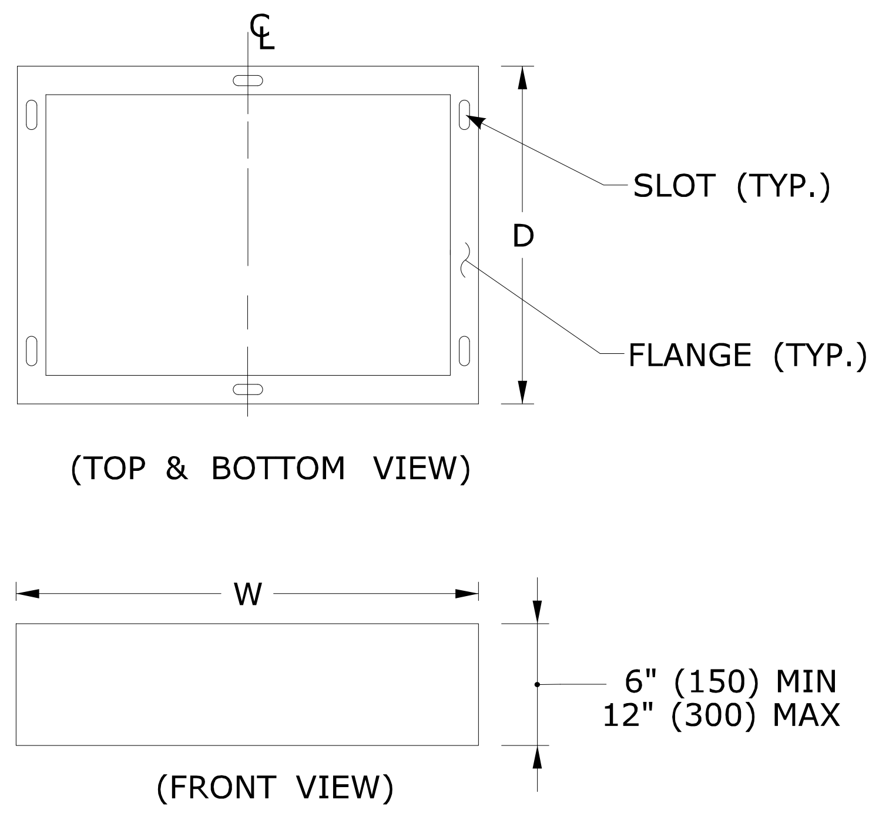
AUXILIARY EQUIPMENT CABINET (AEC) AUXILIARY TERMINATION CABINET (ATC)

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)



(TOP & BOTTOM VIEW)

(FRONT VIEW)

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

Filename: CTDOT_TRAFFIC_STD.dgn Model: TR-1108_01

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty
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

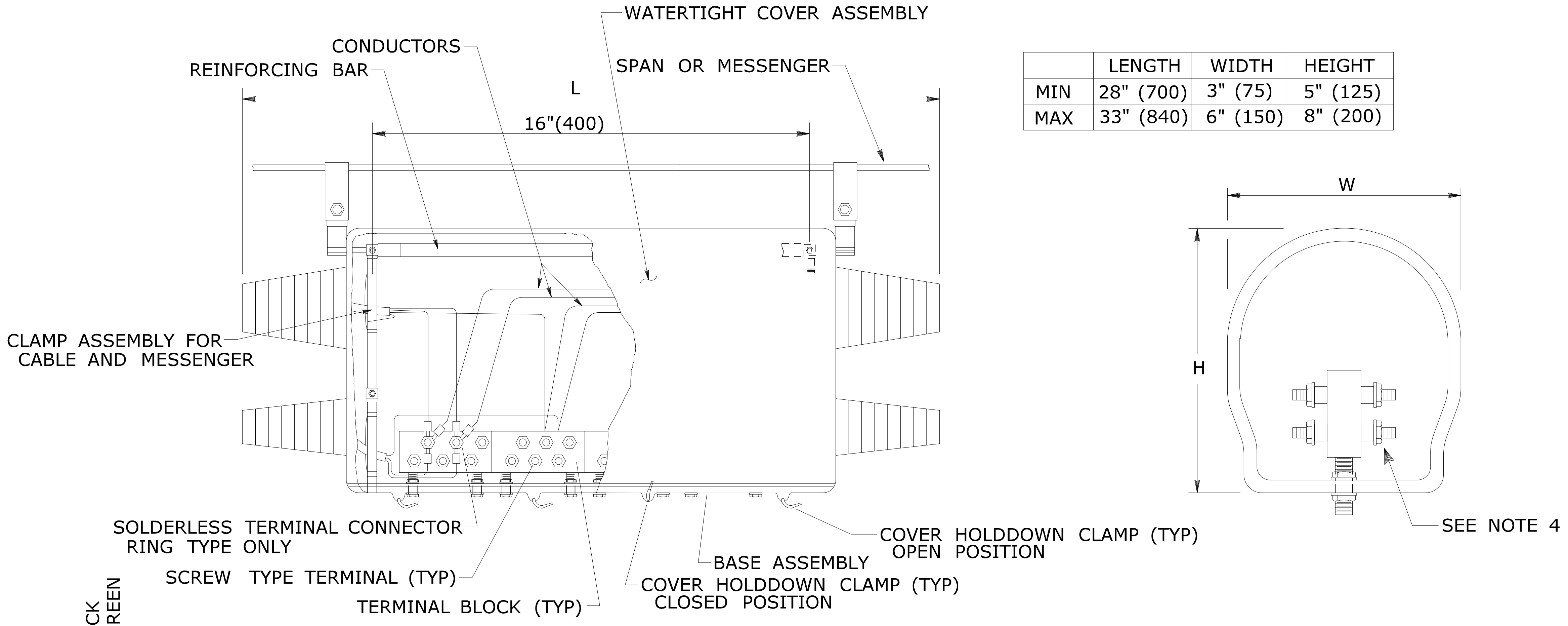
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

CONTROLLERS

STANDARD SHEET NO.:

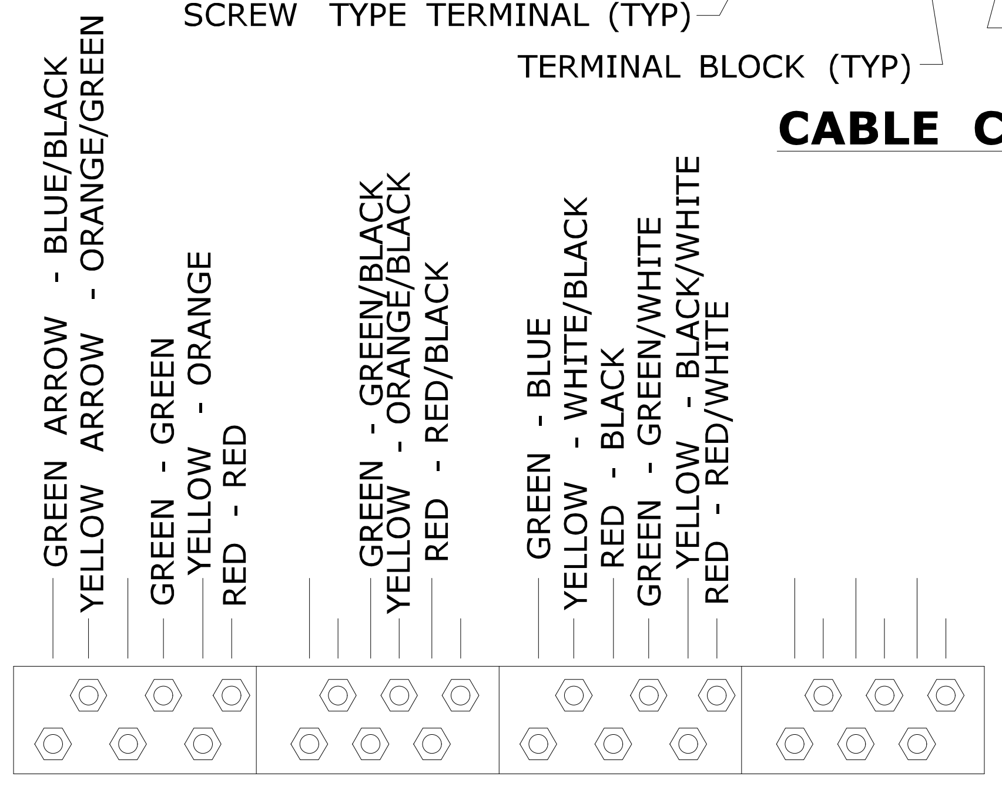
TR-1108_01


WATERTIGHT COVER ASSEMBLY
CONDUCTORS
REINFORCING BAR
SPAN OR MESSENGER
L
16"(400)
CLAMP ASSEMBLY FOR CABLE AND MESSENGER
SOLDERLESS TERMINAL CONNECTOR RING TYPE ONLY
SCREW TYPE TERMINAL (TYP)
TERMINAL BLOCK (TYP)
BASE ASSEMBLY
COVER HOLDDOWN CLAMP (TYP) OPEN POSITION
COVER HOLDDOWN CLAMP (TYP) CLOSED POSITION
W
H
SEE NOTE 4

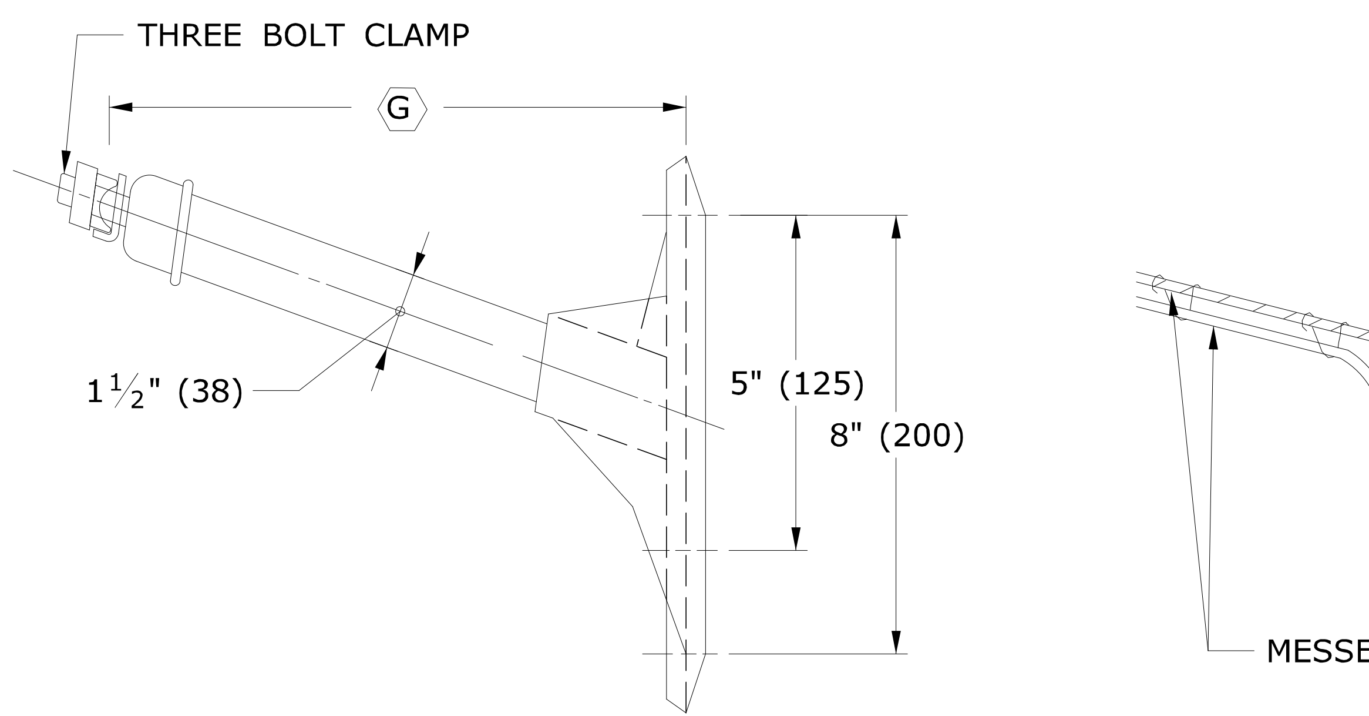
	LENGTH	WIDTH	HEIGHT
MIN	28" (700)	3" (75)	5" (125)
MAX	33" (840)	6" (150)	8" (200)

CABLE CLOSURE FOR TRAFFIC SIGNALS

NOTES:
1. PROVIDE A MINIMUM OF FOUR TERMINAL BLOCKS WITH SEPARATE SCREW TYPE TERMINALS, SIX ON EACH SIDE.
2. INSTALL SEPARATE CABLE BETWEEN CLOSURE & EACH TRAFFIC SIGNAL ASSEMBLY. WIRE EACH TRAFFIC SIGNAL SECTION SEPARATELY BACK TO CABLE CLOSURE. JUMPERS BETWEEN TERMINALS ARE NOT ALLOWED EXCEPT ON NEUTRAL CONDUCTORS.
3. WIRE ALL SIGNALS, SAME DIRECTION FROM CONTROLLER, SEPARATELY WITH CONDUCTORS IN 21 OR 25 CONDUCTOR CABLE, EVEN IF INDICATIONS ARE IDENTICAL.
4. PREVENT CONNECTORS, TERMINAL POSTS AND CONDUCTORS FROM CONTACT WITH CLOSURE COVER AND SECURELY WRAP WITH ELECTRICAL TAPE OR RUBBER MASTIC TAPE.
5. CABLES THAT FEED PEDESTRIAN INDICATIONS, PUSH BUTTONS, AND DETECTORS BYPASS CABLE CLOSURE.
6. INSTALL TRAFFIC SIGNAL CABLE CLOSURE ON THE SPAN ±5' (±1.5 m) FROM CURBLINE.



RECOMMENDED CONNECTION OF 21 CONDUCTOR CABLE IN CLOSURE



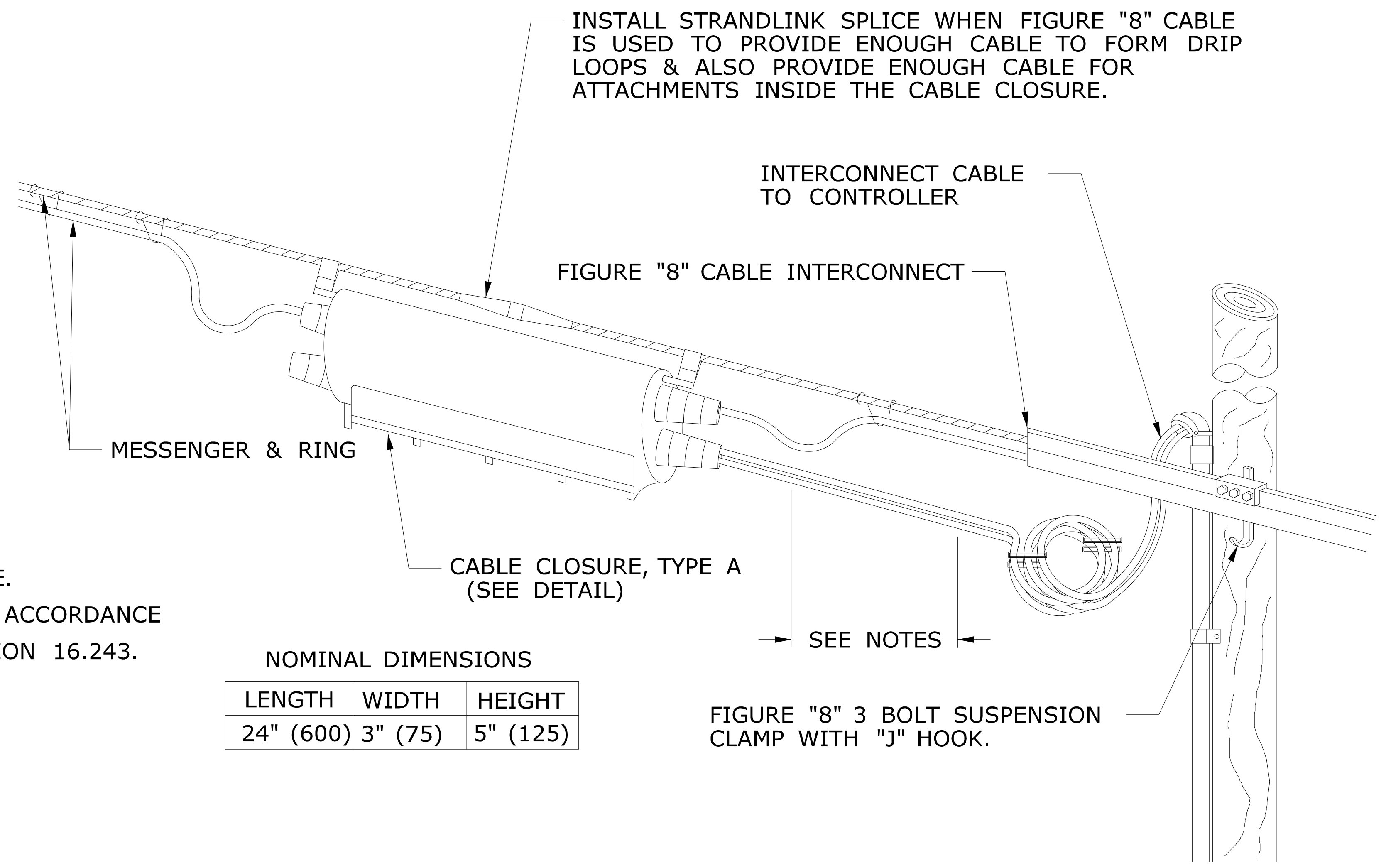
NOTES:

$\frac{5}{8}$" (16) THROUGH BOLT IN TOP HOLE.

$\frac{1}{2}$" (13) X 4" (100) LAG BOLT IN BOTTOM HOLE.

(G) LENGTH REQUIRED TO PROVIDE CLEARANCE IN ACCORDANCE WITH PURA CONSTRUCTION STANDARD SECTION 16.243.

COMMUNICATION CABLE EXTENSION BRACKET


INSTALL STRANDLINK SPLICE WHEN FIGURE "8" CABLE IS USED TO PROVIDE ENOUGH CABLE TO FORM DRIP LOOPS & ALSO PROVIDE ENOUGH CABLE FOR ATTACHMENTS INSIDE THE CABLE CLOSURE.
INTERCONNECT CABLE TO CONTROLLER
FIGURE "8" CABLE INTERCONNECT
MESSENGER & RING
CABLE CLOSURE, TYPE A (SEE DETAIL)
SEE NOTES
FIGURE "8" 3 BOLT SUSPENSION CLAMP WITH "J" HOOK.

NOMINAL DIMENSIONS

LENGTH	WIDTH	HEIGHT
24" (600)	3" (75)	5" (125)

NOTES:

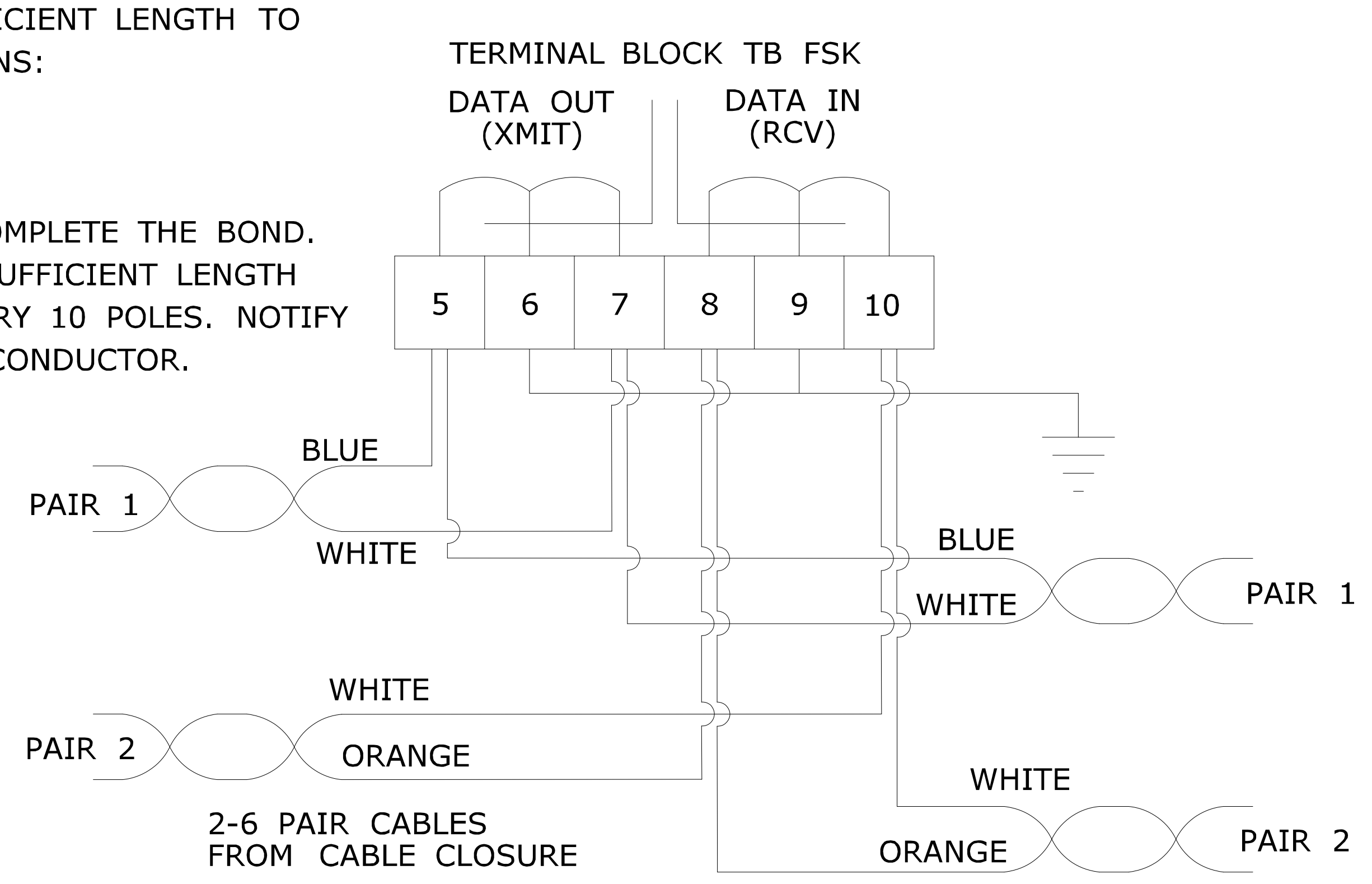
CABLE LENGTH IS SHOWN EXTENDED TO CLARIFY DRIP LOOP LEADING TO ENTRANCE FITTINGS.

WHEN CABLE IS TOO LARGE TO FORM DRIP LOOPS, INSTALL DIRECTLY INTO CLOSURE WITHOUT DRIP LOOPS.

OVERHEAD INTERCONNECT INSTALLATION

BONDING AND GROUNDING REQUIREMENTS FOR COMMUNICATION CABLES
1. PLACE BOND ON STRAND USING #6 AWG LEAVE COIL OF SUFFICIENT LENGTH TO REACH THE NEXT STRAND AT ALL OF THE FOLLOWING LOCATIONS:
   - A. FIRST POLE
   - B. LAST POLE
   - C. JUNCTION POLE

   CONTACT THE UTILITY THAT OWNS THE NEXT STRAND TO COMPLETE THE BOND.
2. LEAVE COIL #6 AWG WIRE ATTACHED TO CABLE STRAND OF SUFFICIENT LENGTH TO REACH VERTICAL GROUNDING CONDUCTOR AT LEAST EVERY 10 POLES. NOTIFY ELECTRIC COMPANY TO MAKE ATTACHMENT TO GROUNDING CONDUCTOR.



NOTES:

CONNECT SHIELDS TO GROUND ONLY AT EVERY OTHER CABINET, LEAVE SHIELD OPEN AT ALTERNATE CABINETS.
TAG 6 PAIR CABLES WITH INTERSECTION DESTINATION.
SPARE PAIRS TO BE FOLDED BACK AND NEATLY TIED ADJACENT TO TERMINAL BLOCK.

TYPICAL COMMUNICATION CABLE CONNECTION IN CONTROLLER CABINET

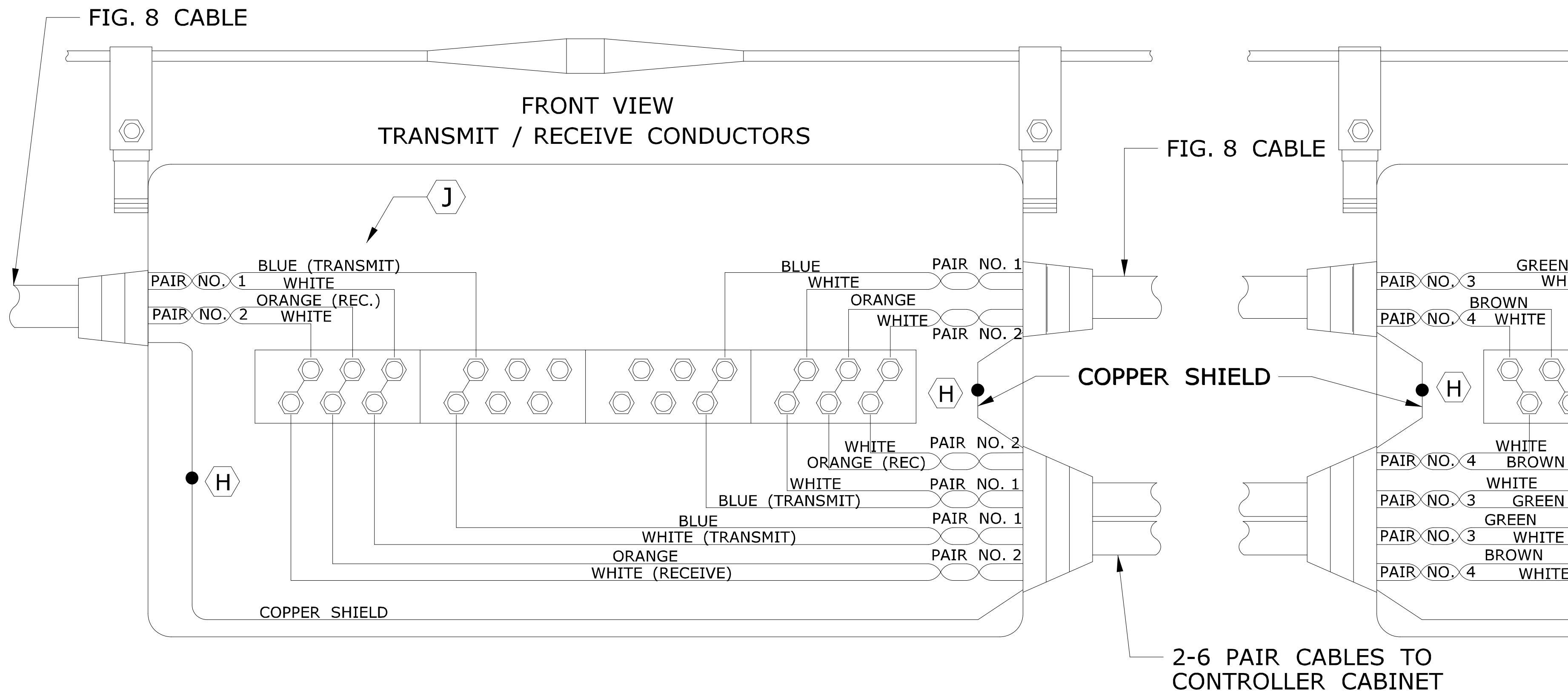


FIG. 8 CABLE			
PAIR #	DOT SPARE	PAIR #	MUNICIPAL SPARES
3	GREEN - WHITE	5	SLATE - WHITE
4	BROWN - WHITE	6	BLUE - RED

6 PAIR, CABLE	
PAIR #	DOT SPARE
5	SLATE - WHITE
6	BLUE - RED

NOTES:

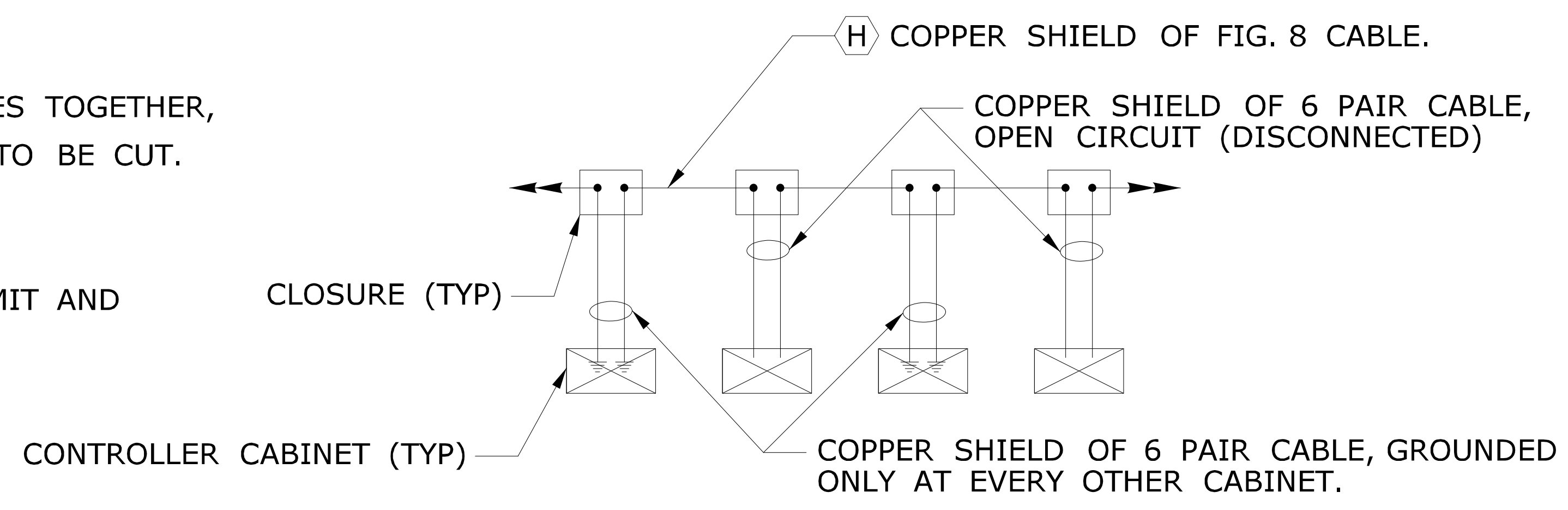
SPARE PAIRS TO BE FOLDED BACK AND NEATLY TIED. GROUP MUNICIPAL SPARES TOGETHER, SEPARATE FROM THOSE RESERVED FOR D.O.T. MUNICIPAL SPARES ARE NOT TO BE CUT.

DO NOT BOND THE CABLE SHEATH TO THE SUPPORT STRAND.

(H) CONNECT ONLY TO SHIELD OF CORRESPONDING 6 PAIR CABLE.

(J) WHEN CONNECTING TO AN EXISTING SYSTEM, VERIFY COLOR CODE OF TRANSMIT AND RECEIVE CONDUCTORS.

TYPICAL COMMUNICATION CABLE CONNECTION IN CABLE CLOSURE, TYPE A


H
COPPER SHIELD OF FIG. 8 CABLE.
COPPER SHIELD OF 6 PAIR CABLE, OPEN CIRCUIT (DISCONNECTED)
CLOSURE (TYP)
CONTROLLER CABINET (TYP)
COPPER SHIELD OF 6 PAIR CABLE, GROUNDED ONLY AT EVERY OTHER CABINET.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- ⊗ PROPOSED UTILITY POLE
- ● EXISTING UTILITY POLE
- < POLE ANCHOR & GUY
- ◆ CABLE CLOSURE

REV.	DATE	REVISION DESCRIPTION
2	4-2014	ADDED CABLE CLOSURE FOR TRAFFIC SIGNALS, NOTE #6.
1	4-2012	MINOR REVISIONS.

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Plotted Date: 4/12/2014

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- 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-1113_01

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty
Tracy L. Fogarty, P.E.
2014.04.25 16:02:38-04'00'

APPROVED BY: NAME/DATE/TIME:
Charles S. H
Digitally signed by Charles S. Harlow, P.E.
Date: 2014.04.29 14:31:58-04'00'

CTDOT
STANDARD SHEET

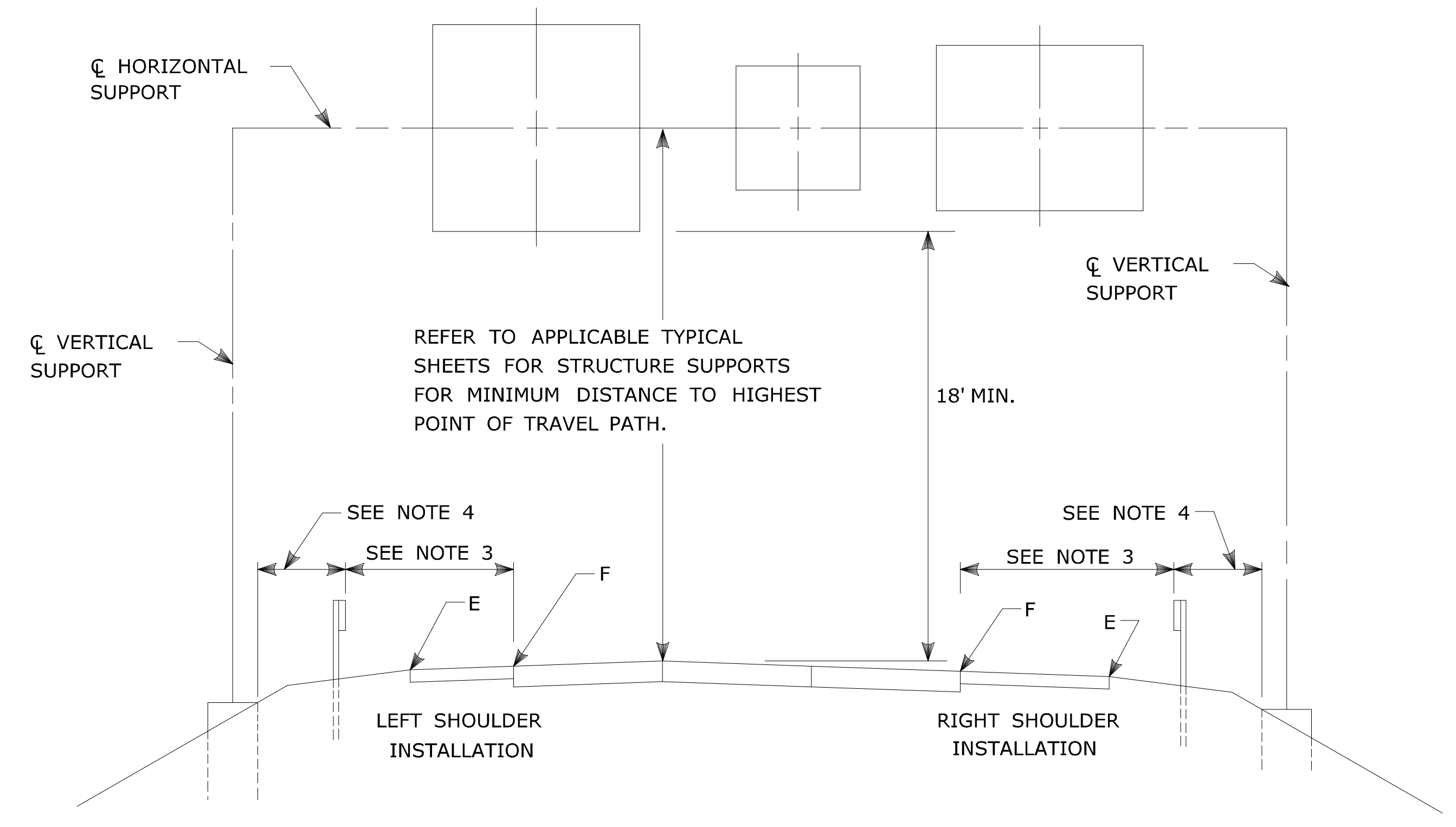
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

CONTROL CABLE

STANDARD SHEET NO.:

TR-1113_01


℄ HORIZONTAL SUPPORT
℄ VERTICAL SUPPORT
℄ VERTICAL SUPPORT
REFER TO APPLICABLE TYPICAL SHEETS FOR STRUCTURE SUPPORTS FOR MINIMUM DISTANCE TO HIGHEST POINT OF TRAVEL PATH.
18' MIN.
SEE NOTE 4
SEE NOTE 3
SEE NOTE 4
SEE NOTE 3
E
F
F
E
LEFT SHOULDER INSTALLATION
RIGHT SHOULDER INSTALLATION

TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

NOTES:

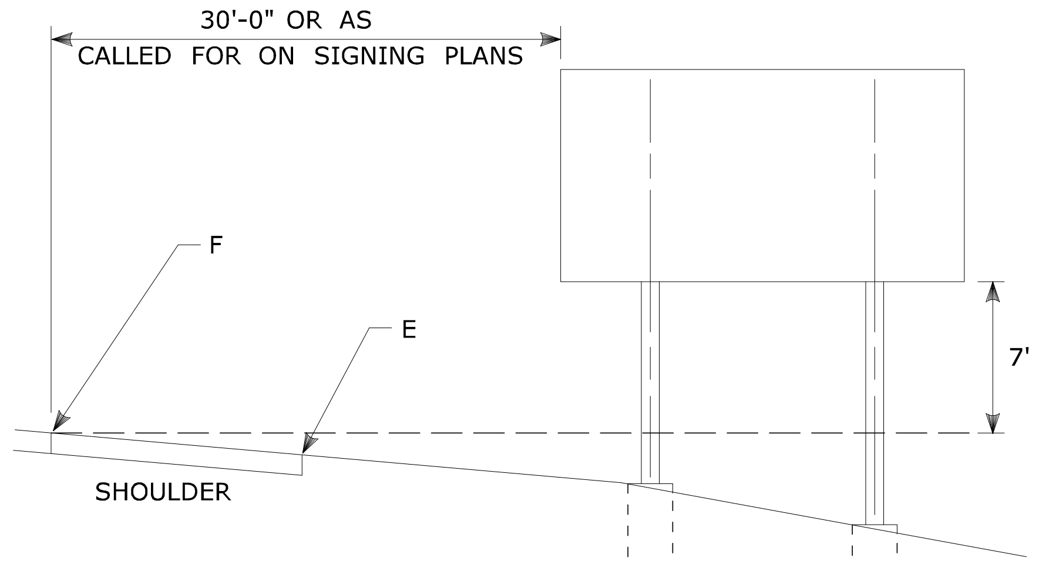
1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.

2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.

3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.

4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.

5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.



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

NOTES:

1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.

2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".

4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

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

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

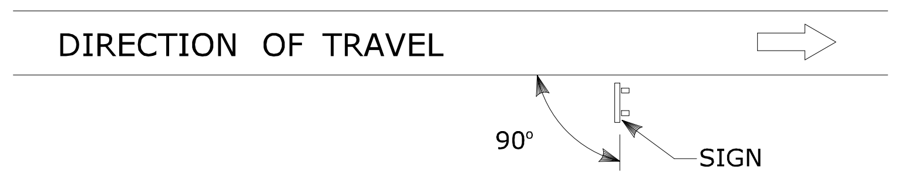


DIAGRAM "A"

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

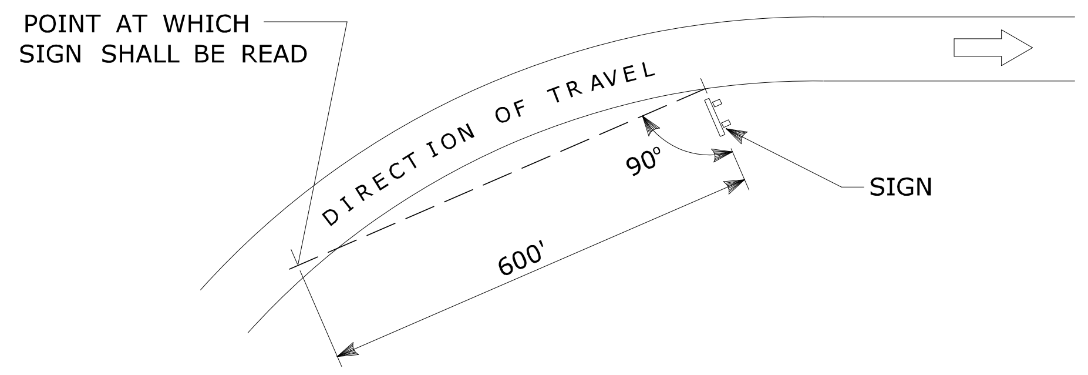
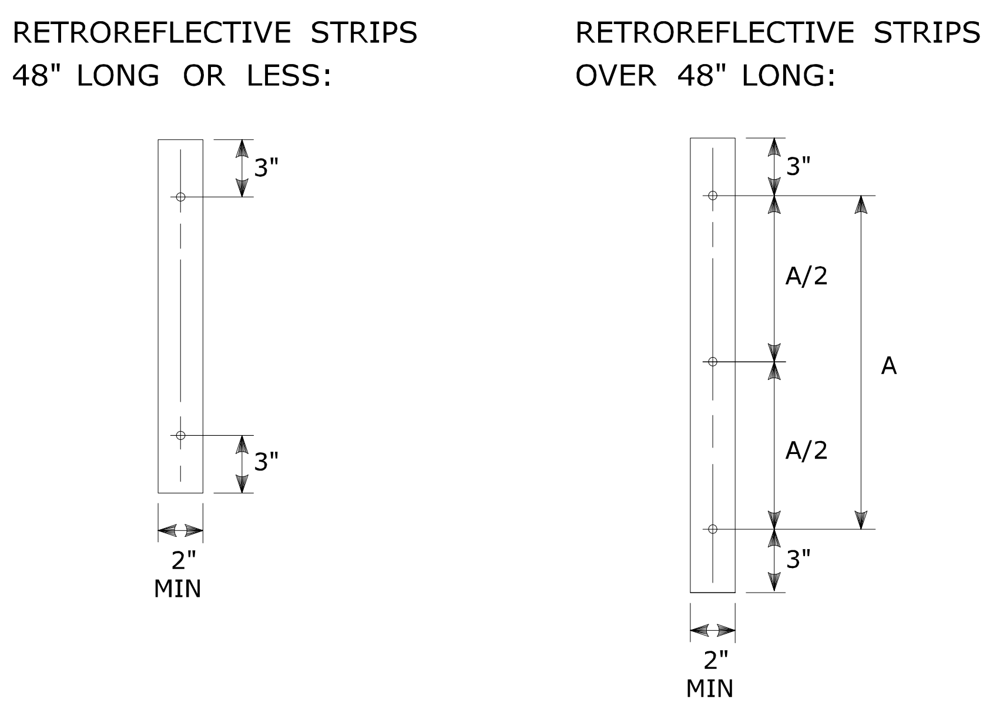


DIAGRAM "B"

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

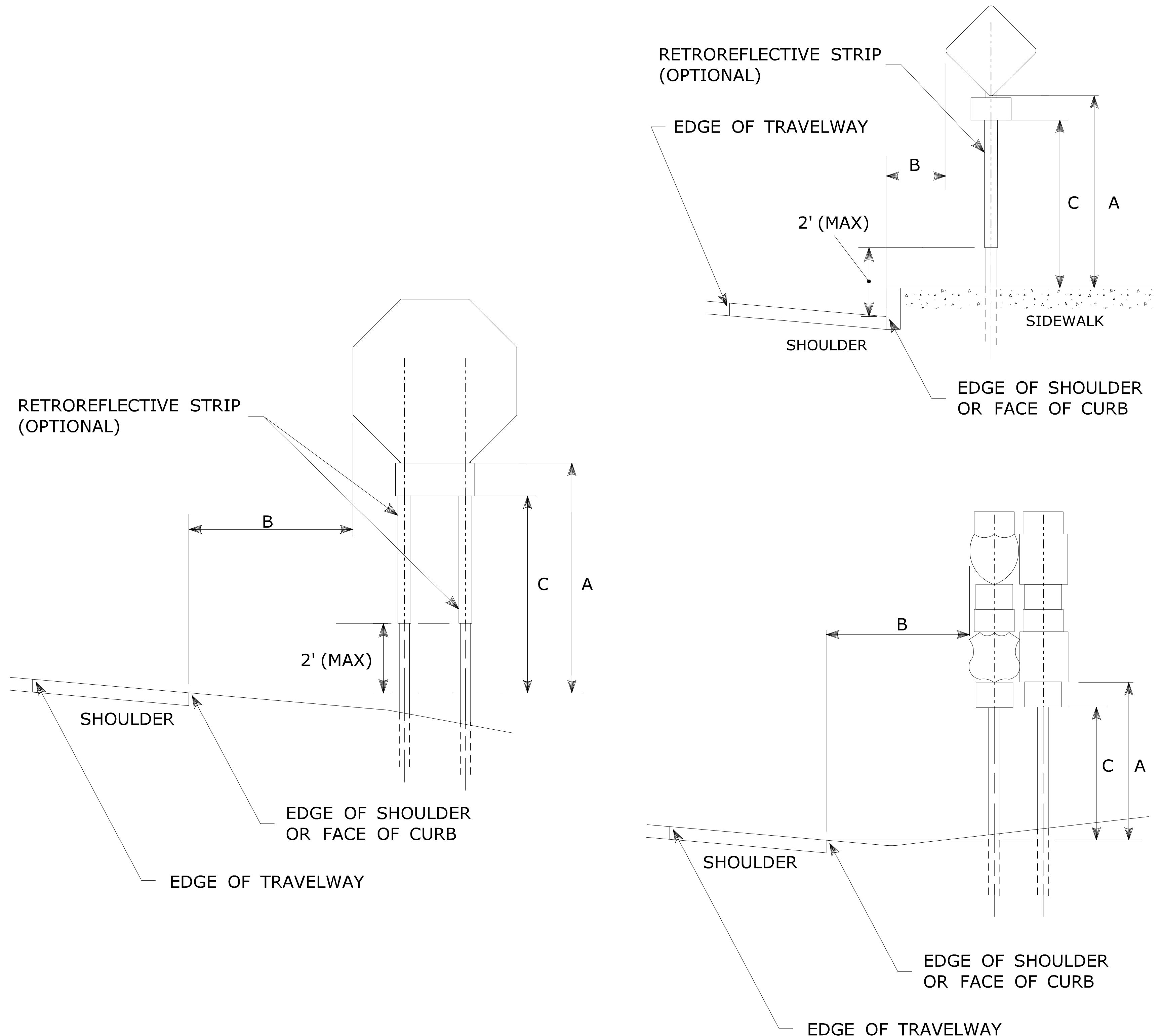

RETROREFLECTIVE STRIPS 48" LONG OR LESS:
3"
3"
2" MIN
RETROREFLECTIVE STRIPS OVER 48" LONG:
3"
A/2
A/2
A
3"
2" MIN

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.


RETROREFLECTIVE STRIP (OPTIONAL)
EDGE OF TRAVELWAY
B
2' (MAX)
C
A
SIDEWALK
SHOULDER
EDGE OF SHOULDER OR FACE OF CURB
RETROREFLECTIVE STRIP (OPTIONAL)
B
C
A
2' (MAX)
SHOULDER
EDGE OF SHOULDER OR FACE OF CURB
EDGE OF TRAVELWAY
B
C
A
SHOULDER
EDGE OF SHOULDER OR FACE OF CURB
EDGE OF TRAVELWAY

TYPICAL SIGN PLACEMENT DETAIL

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

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

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

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

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

① OR AS DIRECTED BY THE ENGINEER

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

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

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

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

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

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

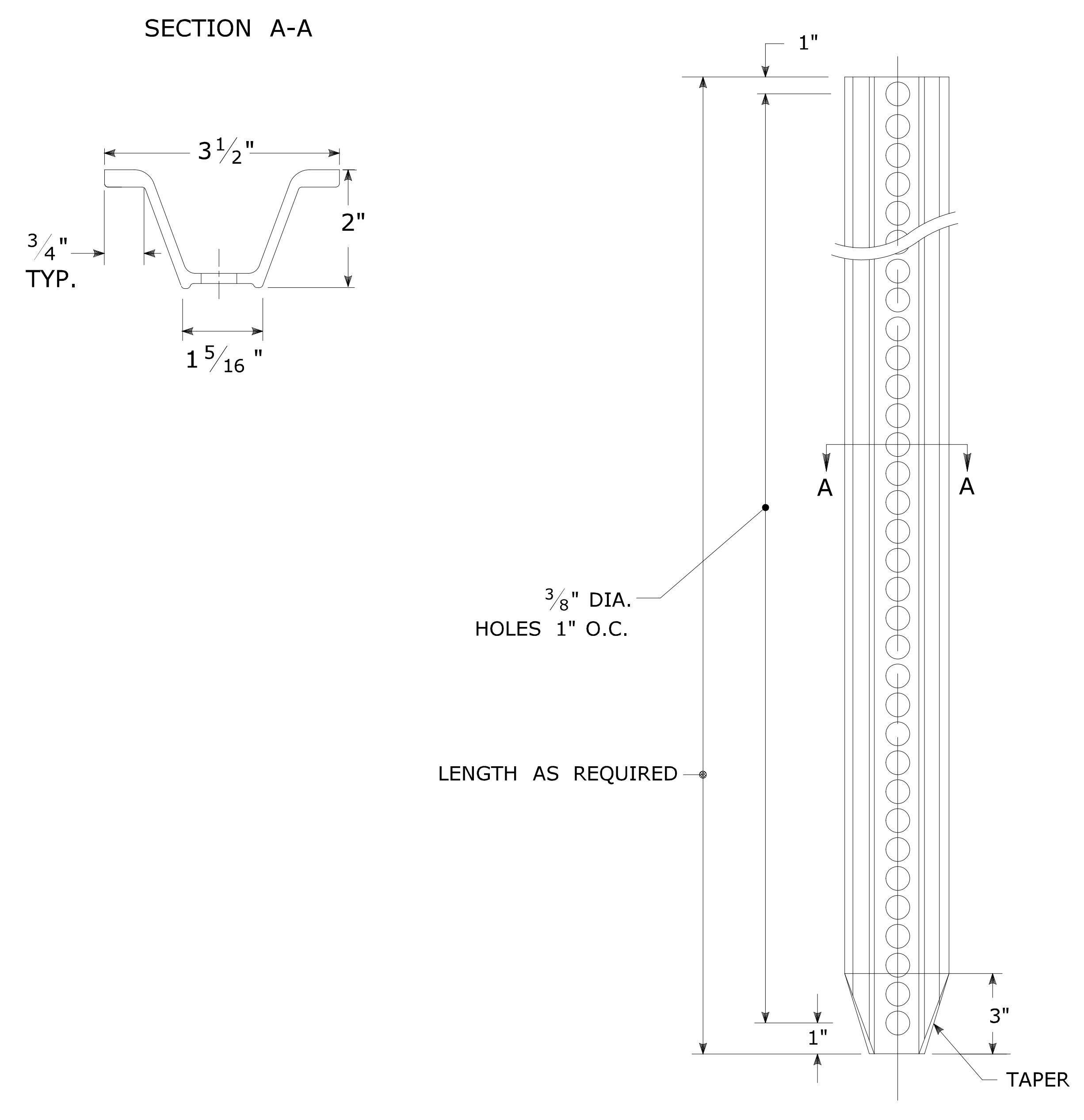
STANDARD SHEET TITLE:

SIGN PLACEMENT AND
RETROREFLECTIVE STRIP DETAILS

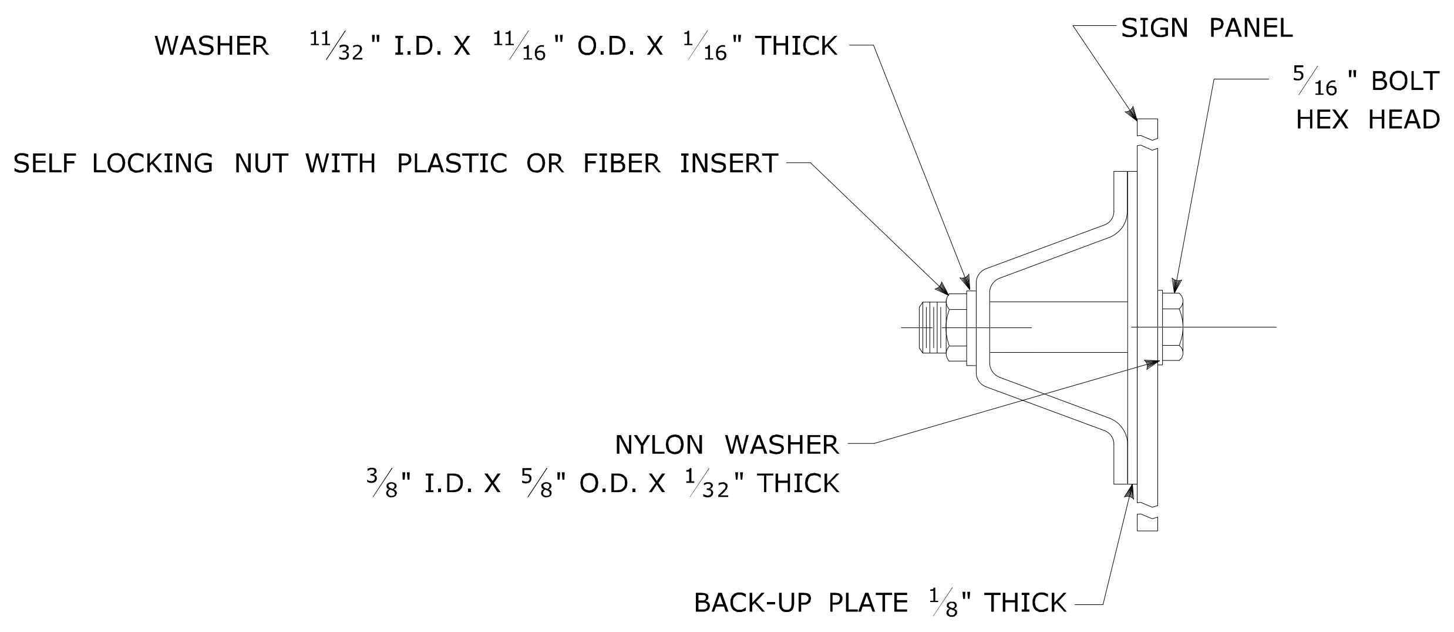
STANDARD SHEET NO.:

TR-1208_01

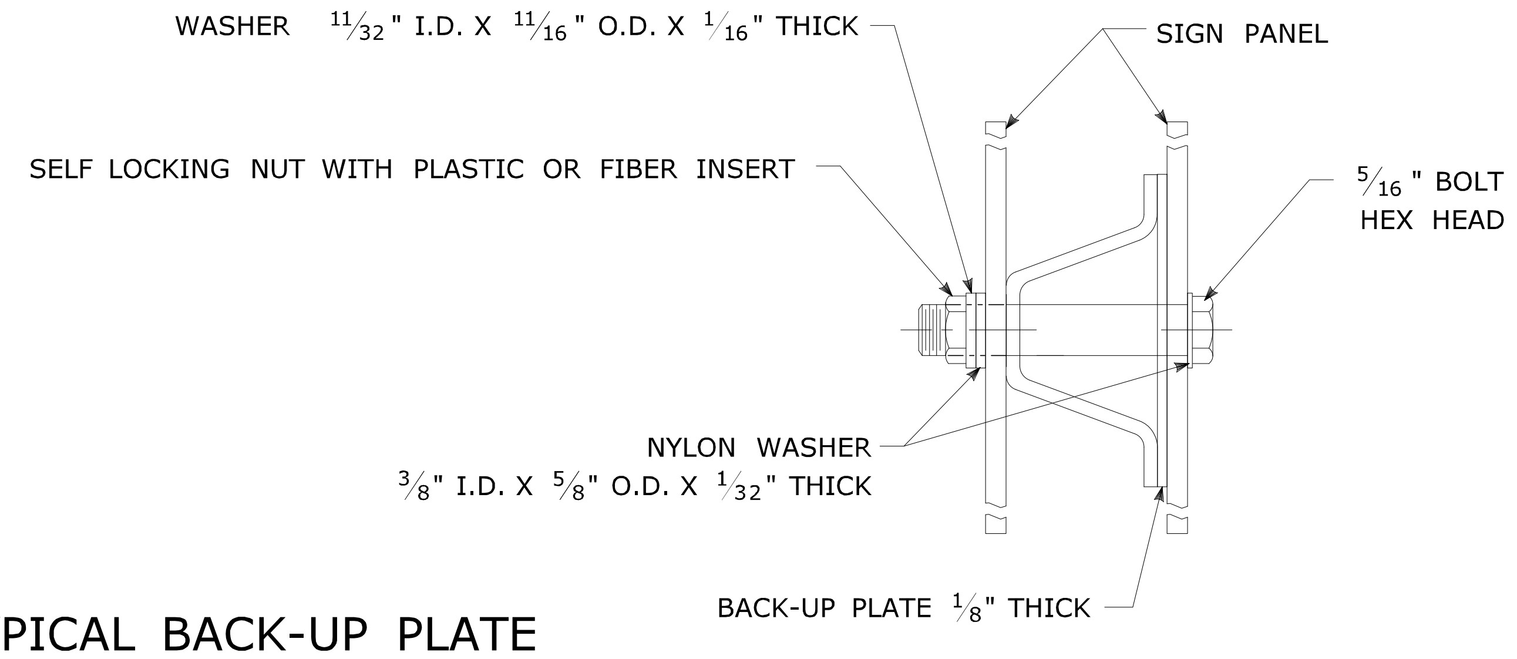
TYPICAL METAL SIGN POSTS



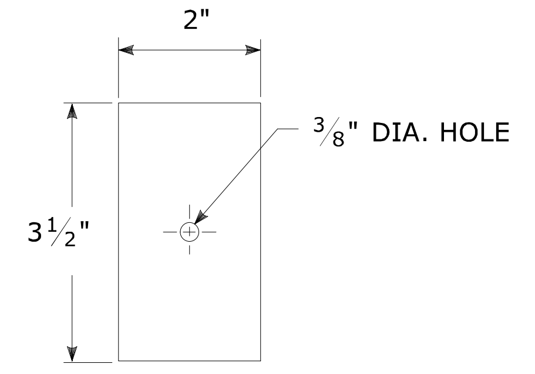
TYPICAL SIGN PANEL ATTACHMENT


WASHER 11/32" I.D. X 11/16" O.D. X 1/16" THICK
SIGN PANEL
5/16" BOLT HEX HEAD
SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT
NYLON WASHER 3/8" I.D. X 5/8" O.D. X 1/32" THICK
BACK-UP PLATE 1/8" THICK

TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT


WASHER 11/32" I.D. X 11/16" O.D. X 1/16" THICK
SIGN PANEL
SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT
5/16" BOLT HEX HEAD
NYLON WASHER 3/8" I.D. X 5/8" O.D. X 1/32" THICK
BACK-UP PLATE 1/8" THICK

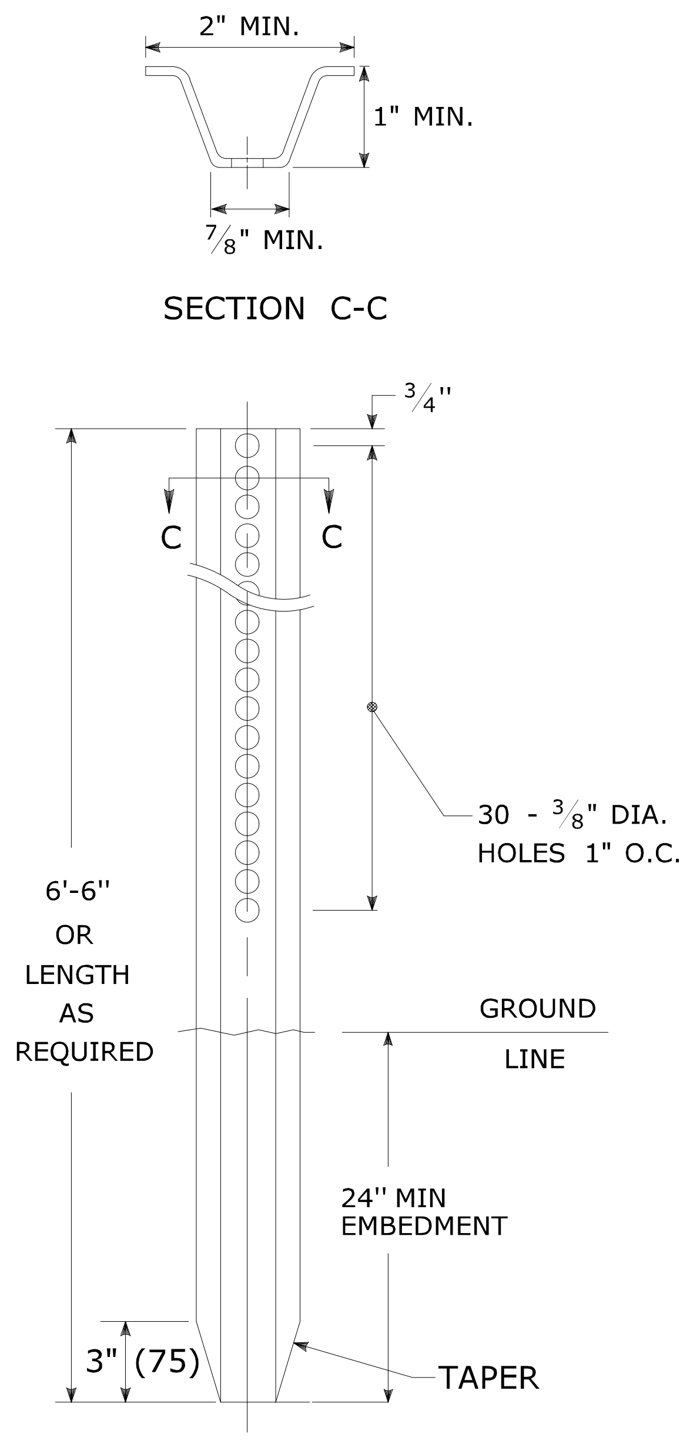
TYPICAL BACK-UP PLATE



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.

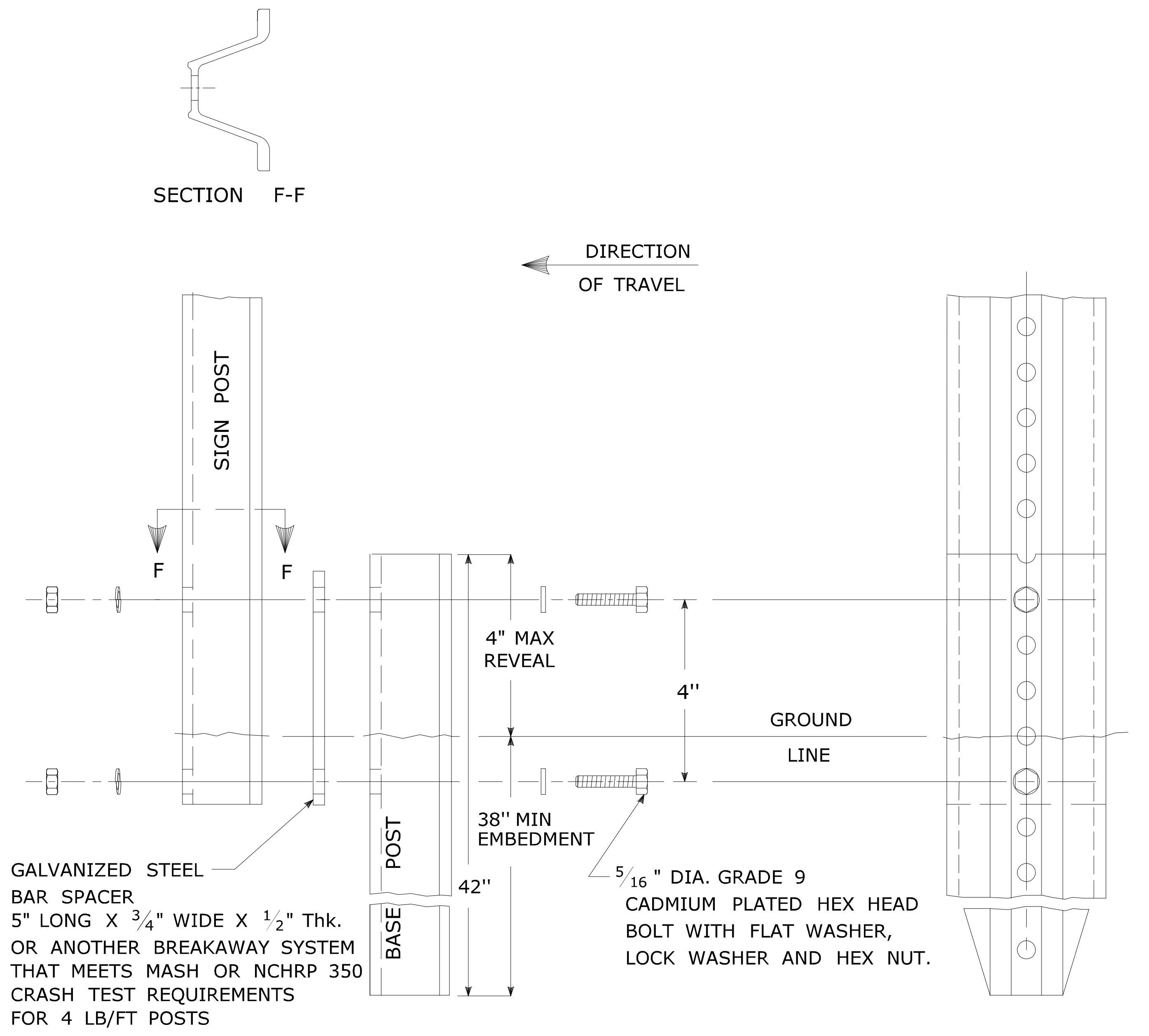


GENERAL NOTES:

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

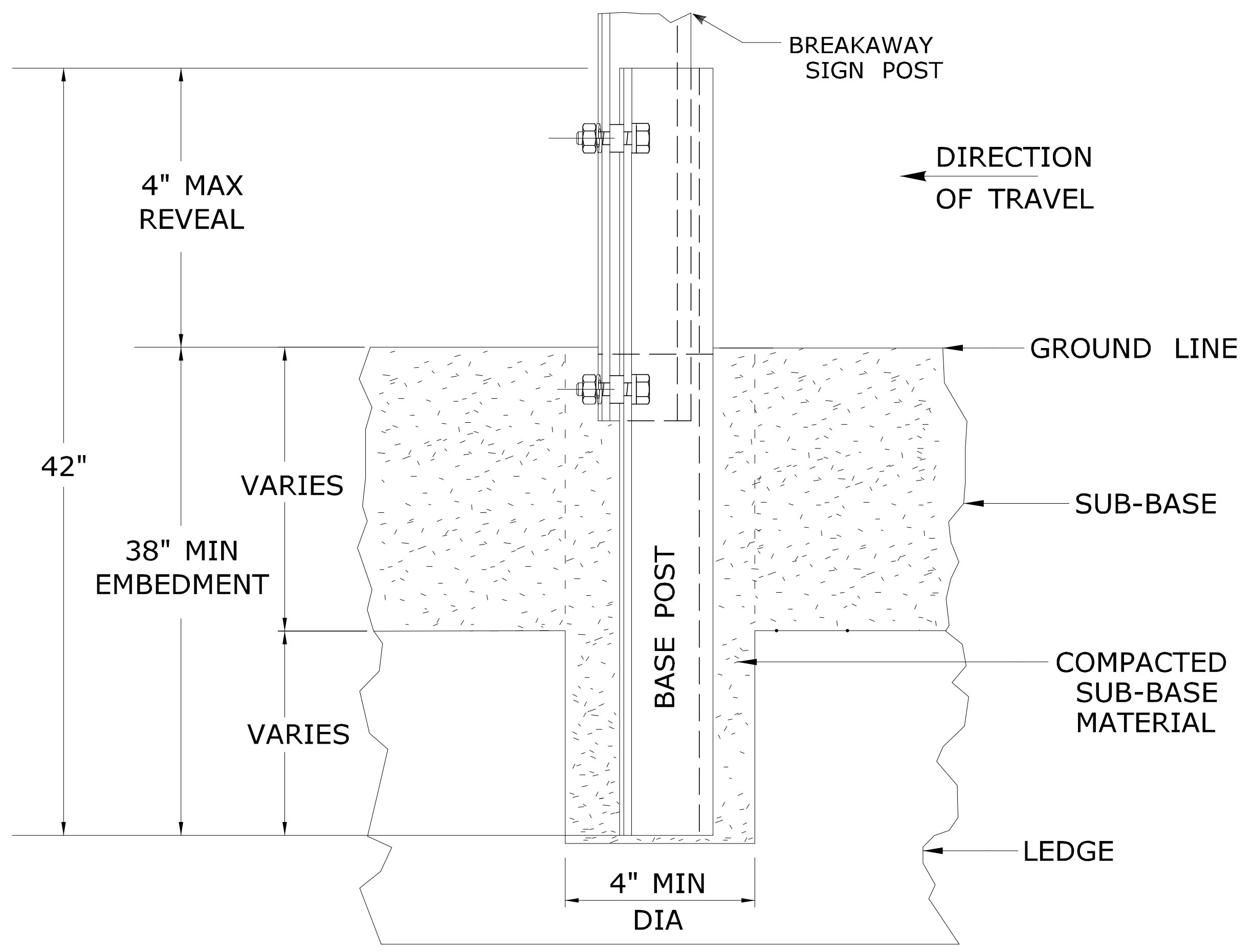
FOR 4 LBS./FT. POSTS


SECTION F-F
DIRECTION OF TRAVEL
SIGN POST
F
F
4" MAX REVEAL
4"
GROUND LINE
38" MIN EMBEDMENT
42"
POST
BASE
GALVANIZED STEEL BAR SPACER 5" LONG X 3/4" WIDE X 1/2" Thk. OR ANOTHER BREAKAWAY SYSTEM THAT MEETS MASH OR NCHRP 350 CRASH TEST REQUIREMENTS FOR 4 LB/FT POSTS
5/16" DIA. GRADE 9 CADMIUM PLATED HEX HEAD BOLT WITH FLAT WASHER, LOCK WASHER AND HEX NUT.

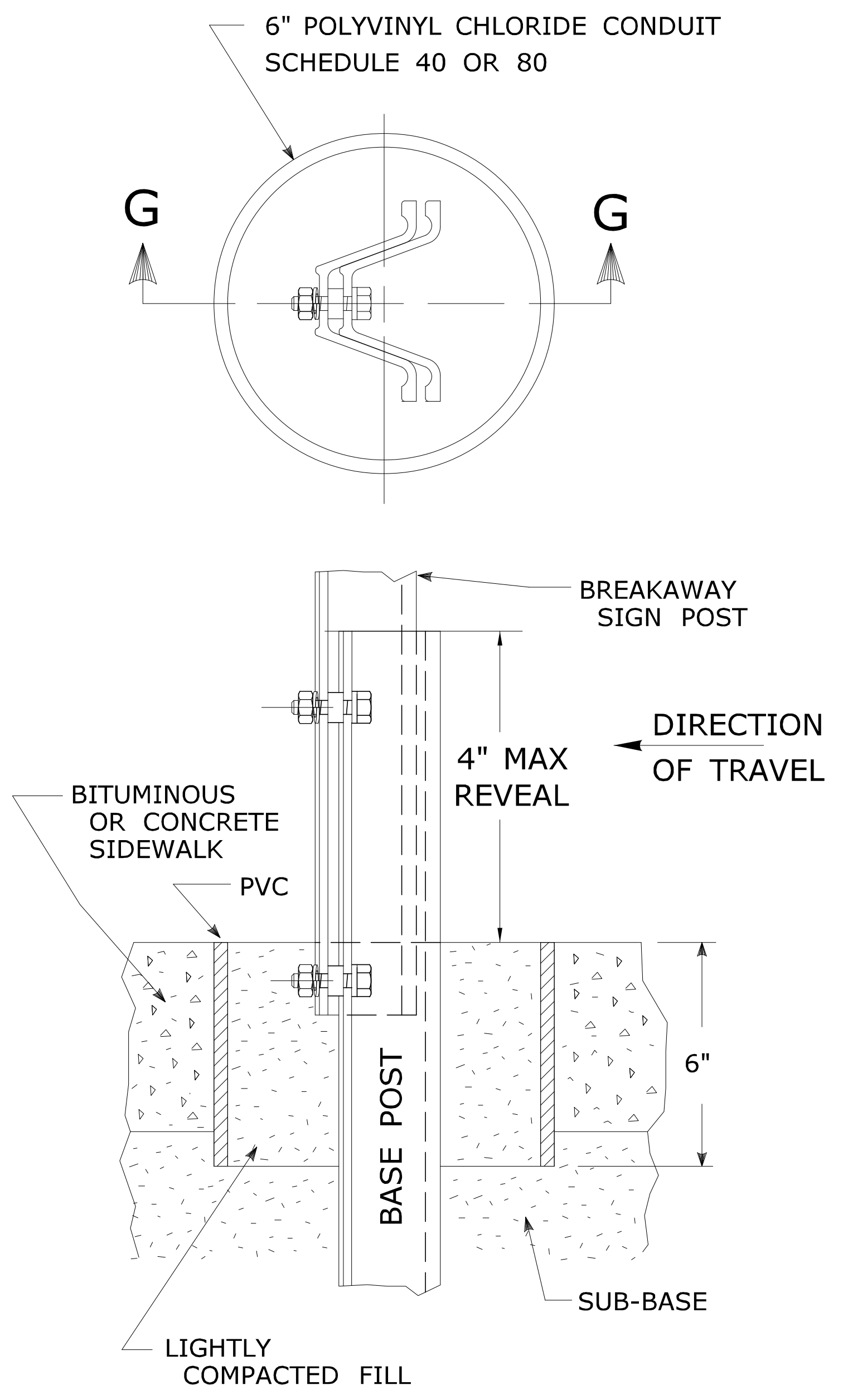
TYPICAL SIGN POST INSTALLATION IN LEDGE

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

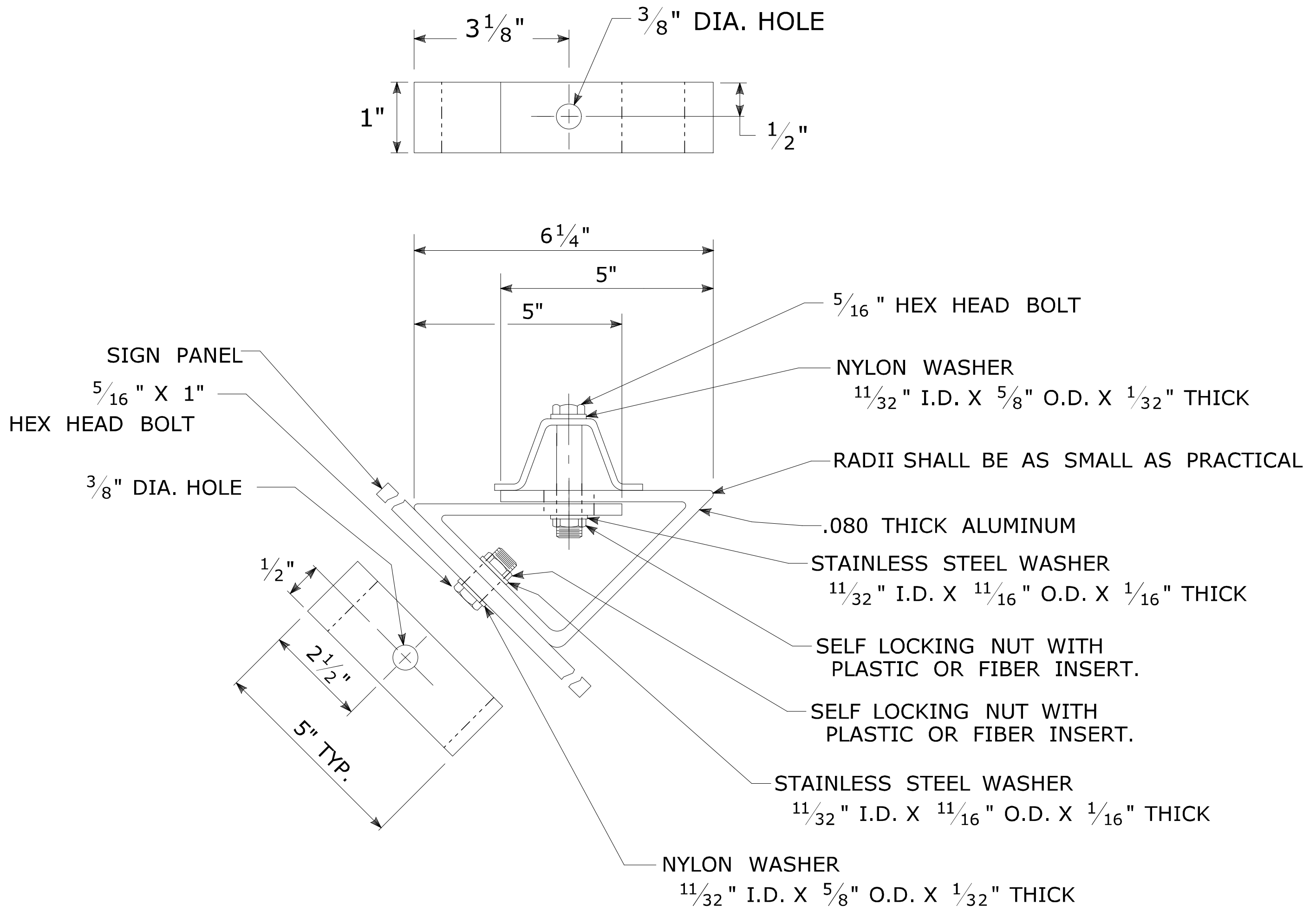
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS


3 1/8"
3/8" DIA. HOLE
1"
1/2"
6 1/4"
5"
5"
5/16" HEX HEAD BOLT
SIGN PANEL
5/16" X 1" HEX HEAD BOLT
NYLON WASHER 11/32" I.D. X 5/8" O.D. X 1/32" THICK
RADII SHALL BE AS SMALL AS PRACTICAL
3/8" DIA. HOLE
.080 THICK ALUMINUM
STAINLESS STEEL WASHER 11/32" I.D. X 11/16" O.D. X 1/16" THICK
1/2"
2 1/2"
SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.
SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.
5" TYP.
STAINLESS STEEL WASHER 11/32" I.D. X 11/16" O.D. X 1/16" THICK
NYLON WASHER 11/32" I.D. X 5/8" O.D. X 1/32" THICK

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, P.E.
2017.06.15 09:27:29-04'00'

CTDOT
STANDARD SHEET

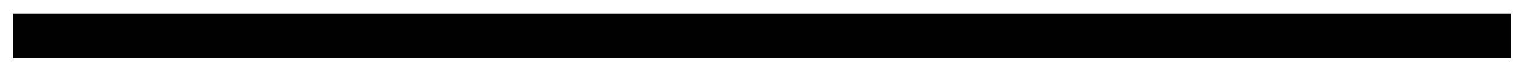
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

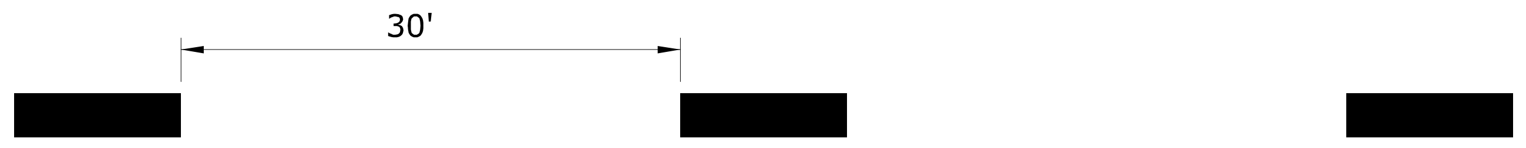
METAL SIGN POSTS
AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

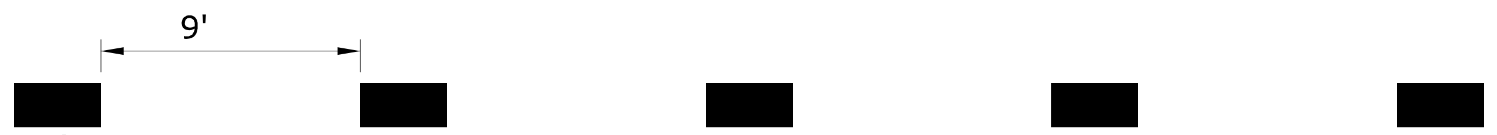
TR-1208_02



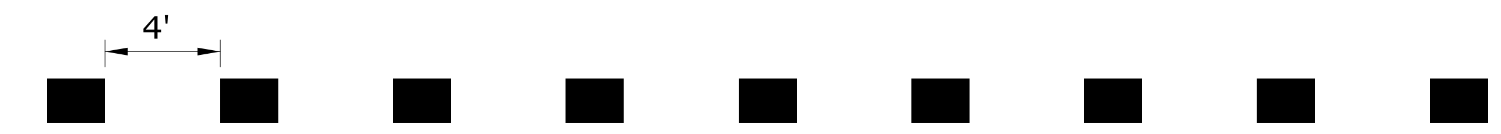
LANE LINE (LL)
EDGE LINE (EL)
BICYCLE LANE LINE (BIKE-LL)
CHANNELIZING LINE (CL)



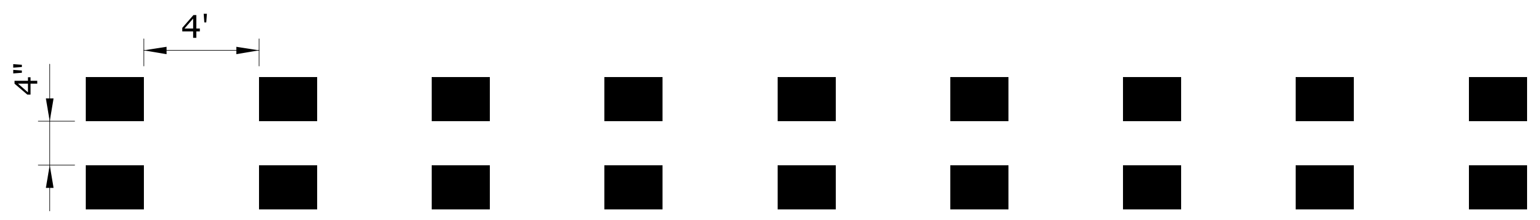
BROKEN LANE LINE (BLL)



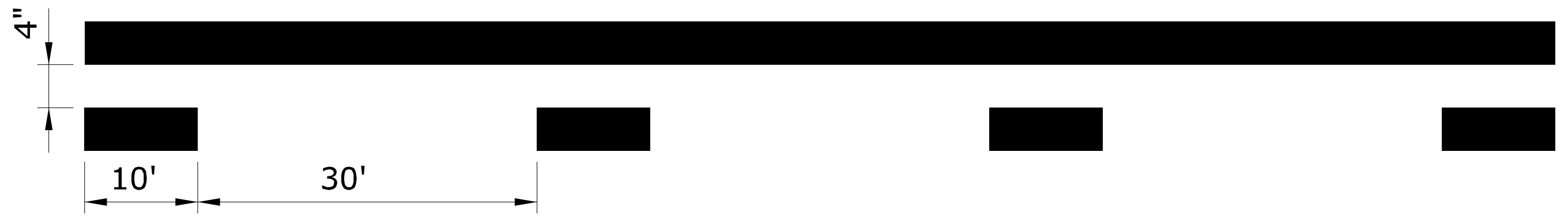
DOTTED LANE LINE (DLL)



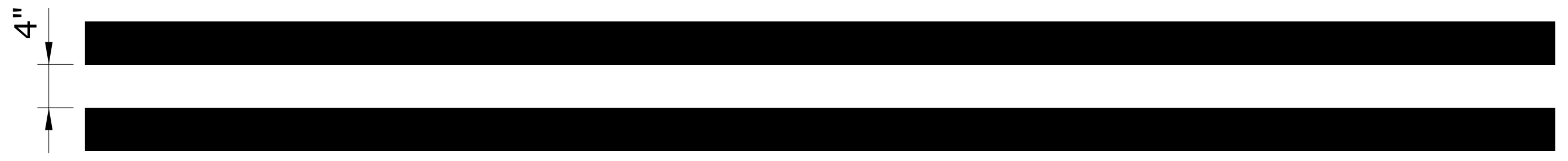
DOTTED EXTENSION LINE (DEL)



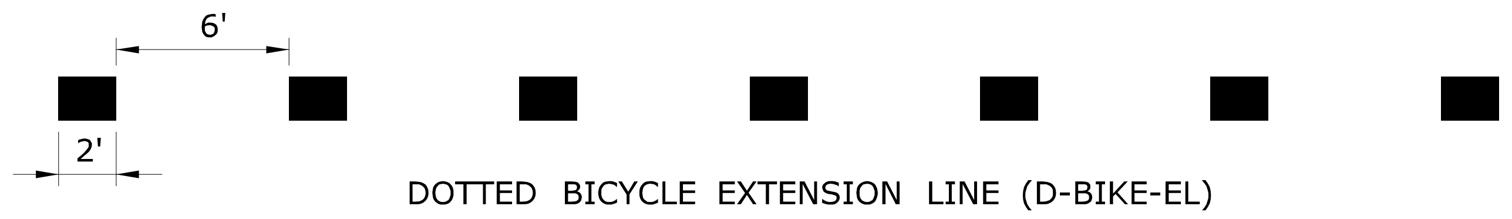
DOUBLE YELLOW DOTTED EXTENSION LINE (DYDEL)



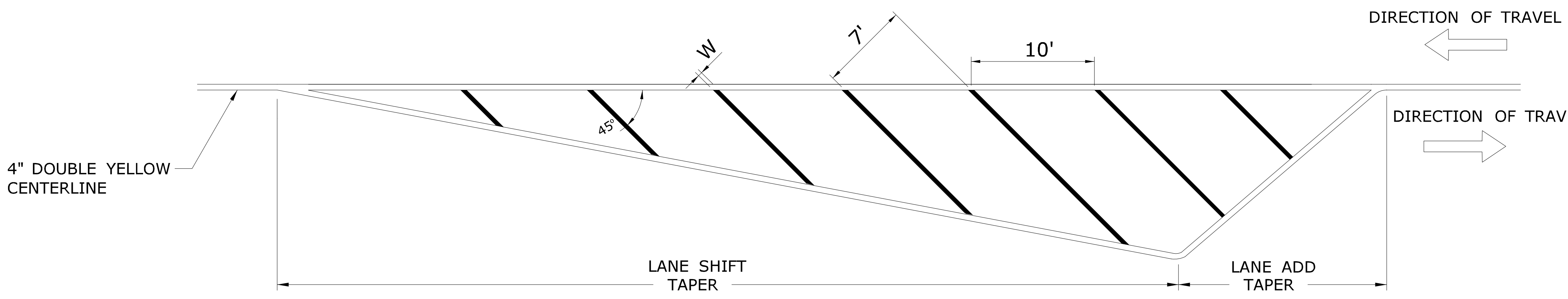
SOLID YELLOW AND BROKEN LINE (SYBL)



DOUBLE YELLOW CENTERLINE (DYCL)



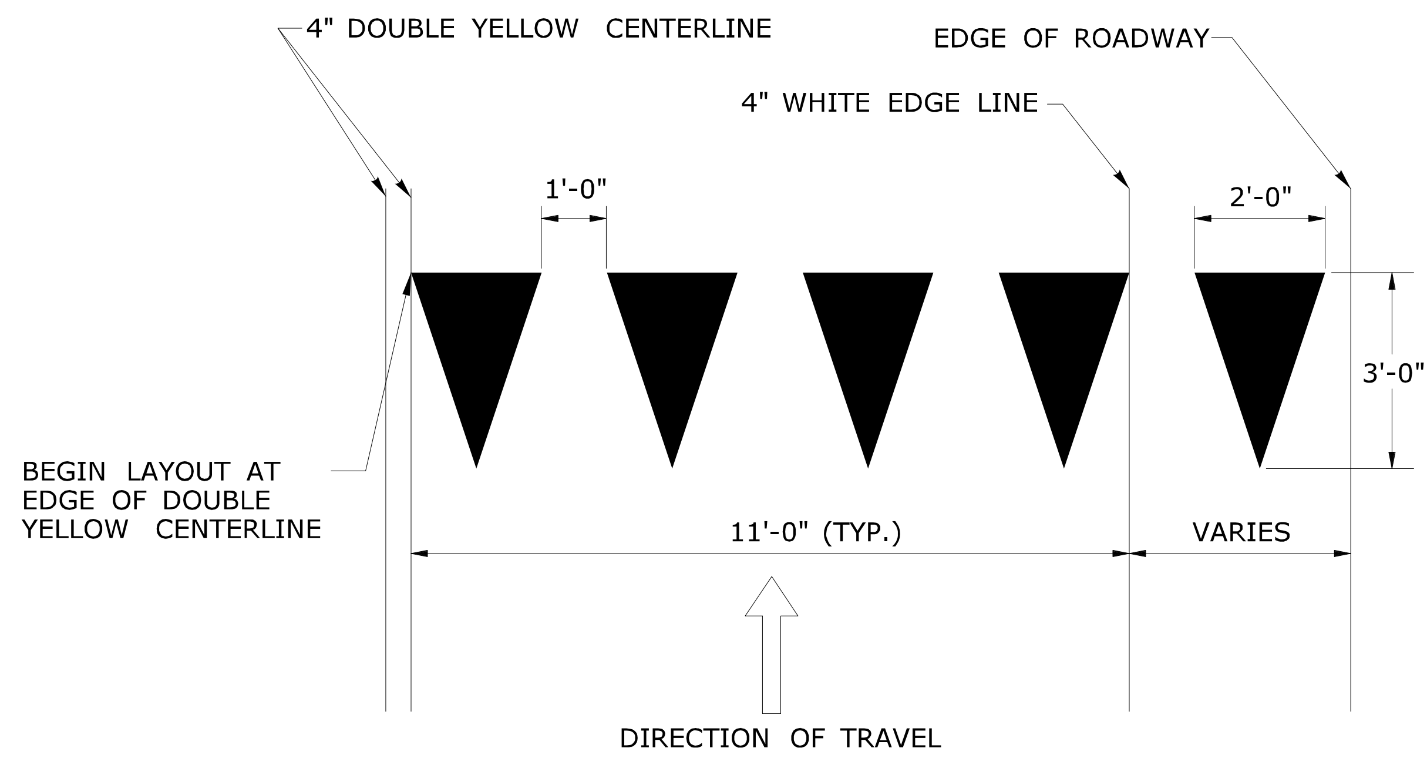
DOTTED BICYCLE EXTENSION LINE (D-BIKE-EL)



CROSS HATCHED ISLAND DETAIL

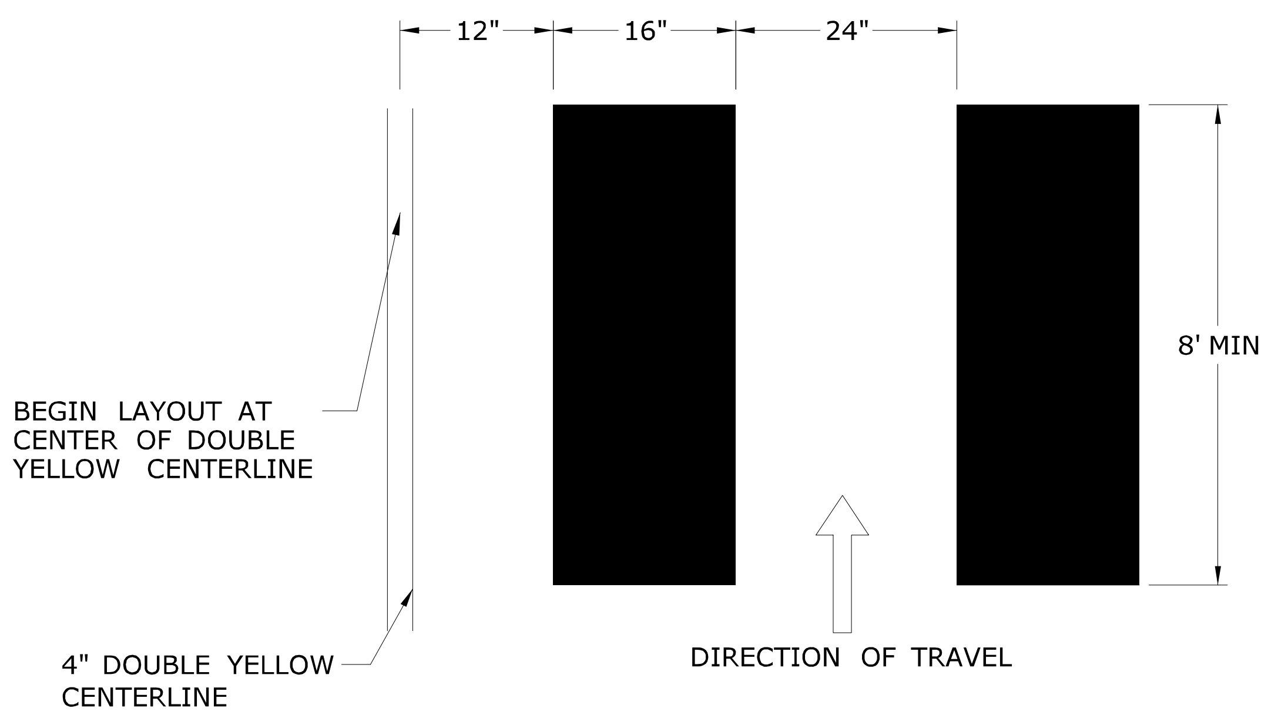
(YELLOW)

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



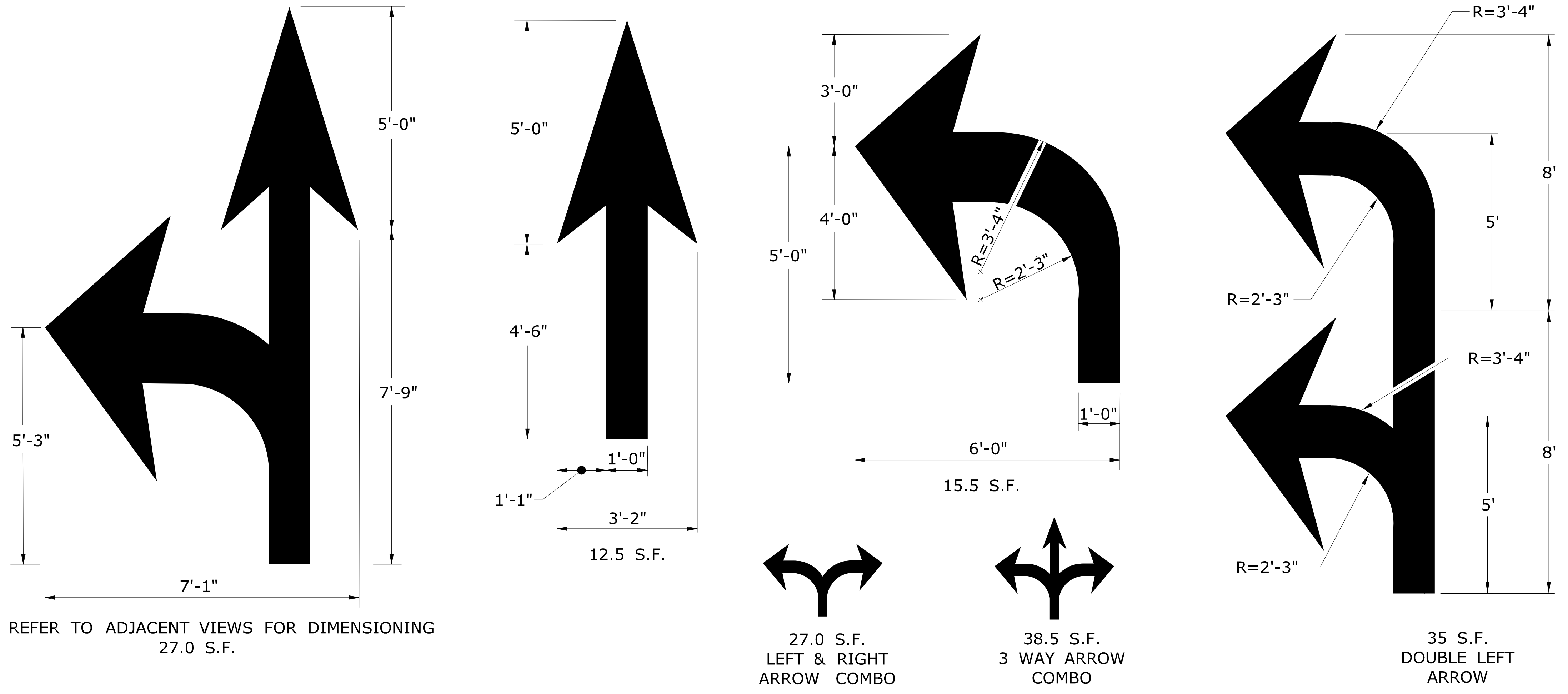
YIELD LINE DETAIL

(WHITE)


12"
16"
24"
8' MIN
BEGIN LAYOUT AT CENTER OF DOUBLE YELLOW CENTERLINE
4" DOUBLE YELLOW CENTERLINE
DIRECTION OF TRAVEL

CROSSWALK 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

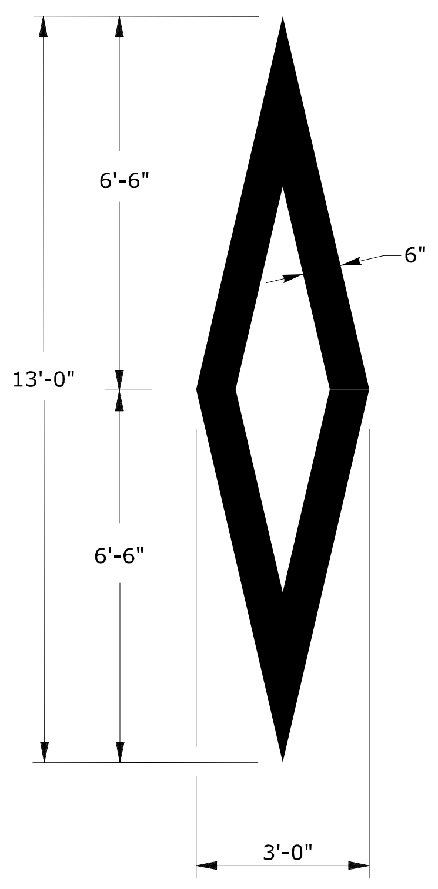
PAVEMENT ARROW DETAILS

(WHITE)

ARROWS SHALL BE CENTERED IN TRAVEL LANE

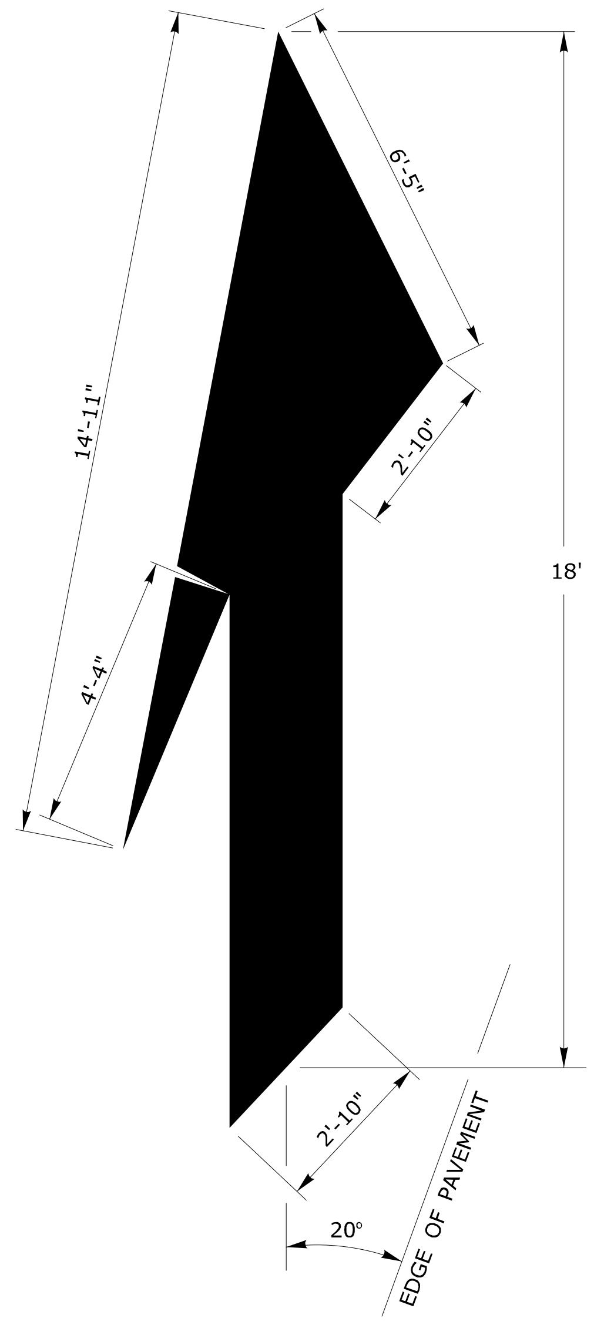
NOTES :

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



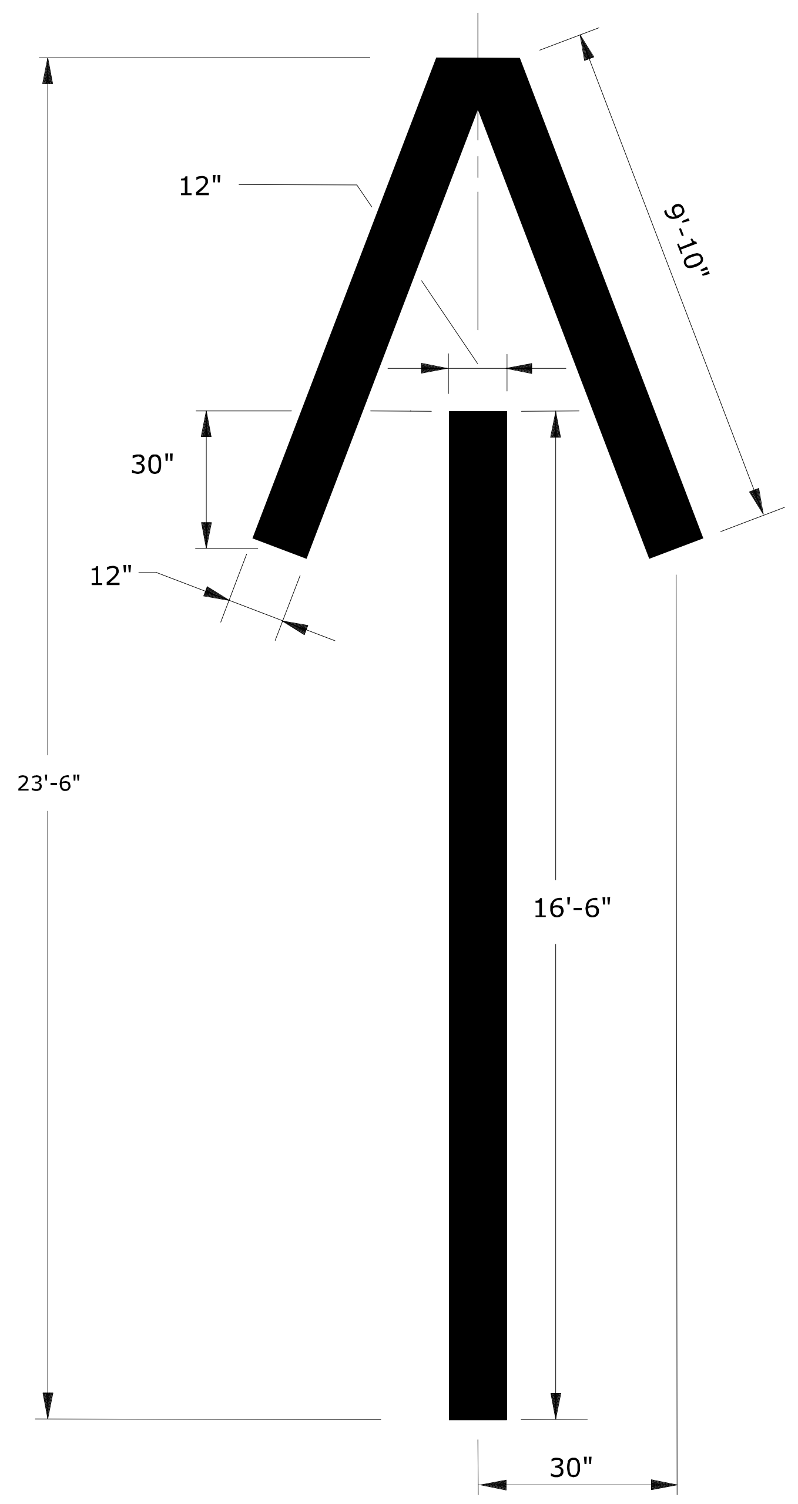
WHITE PREFERENTIAL
LANE SYMBOL

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 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

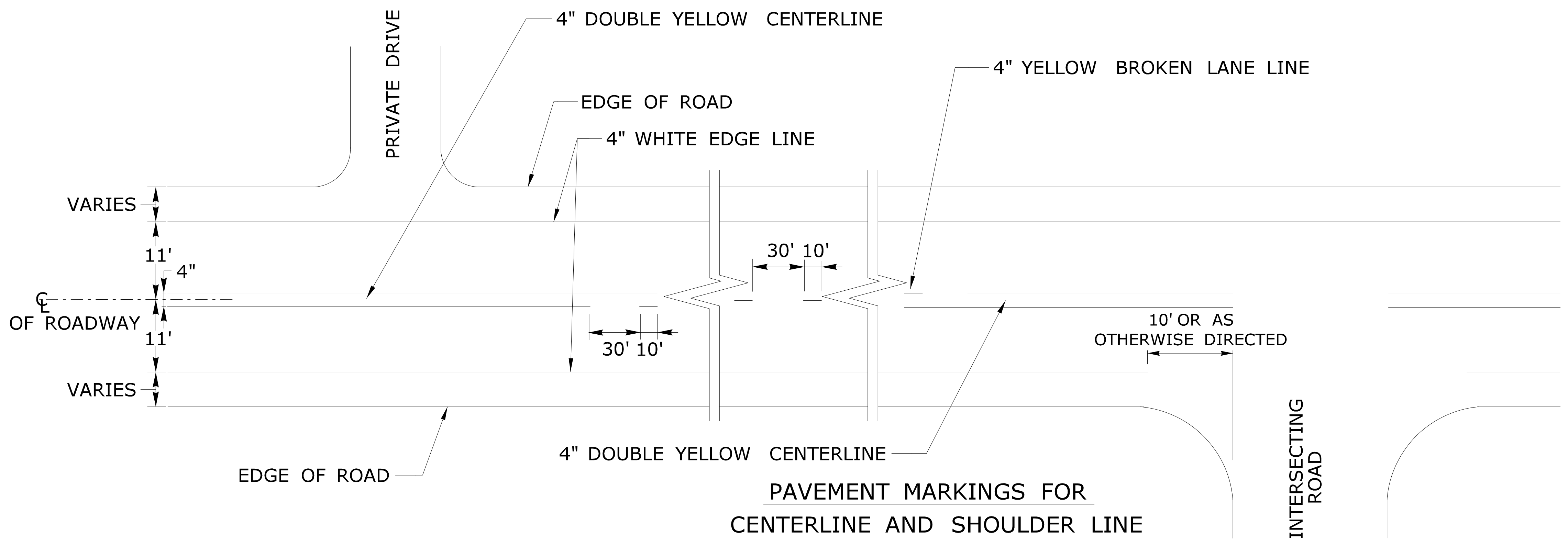
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

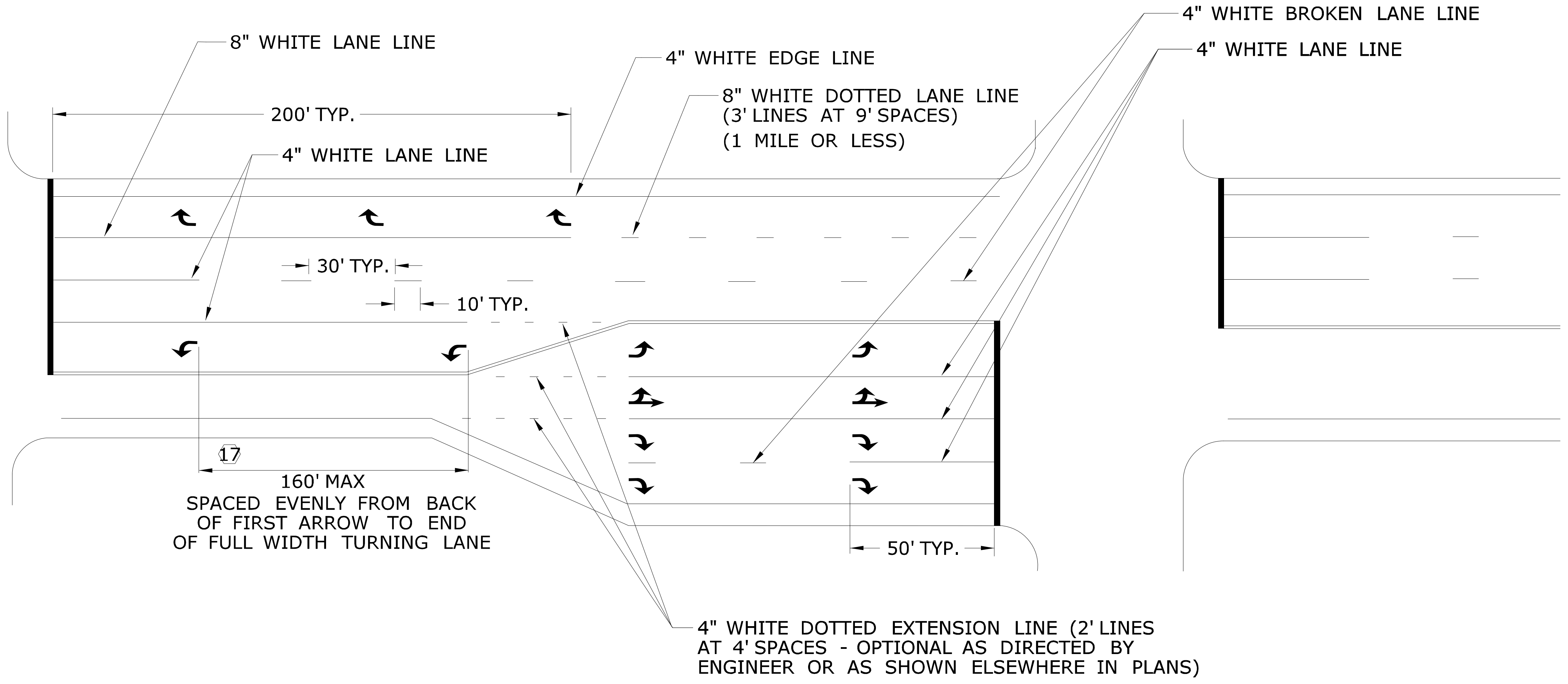
PAVEMENT MARKING
LINES AND SYMBOLS

STANDARD SHEET NO.:

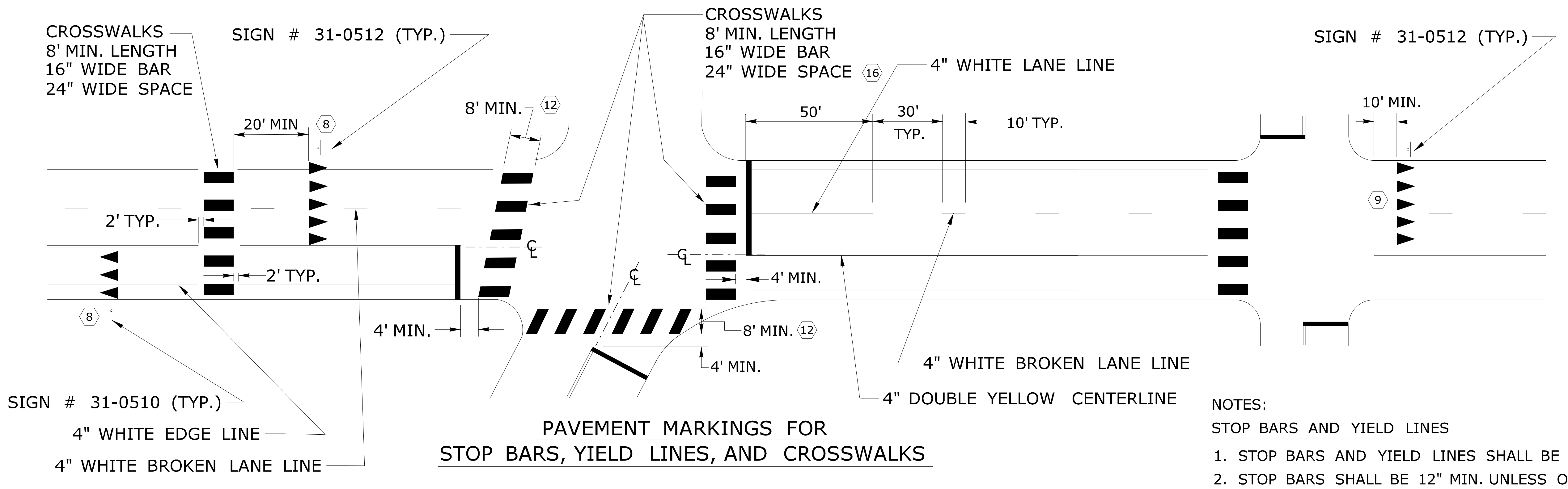
TR-1210_04



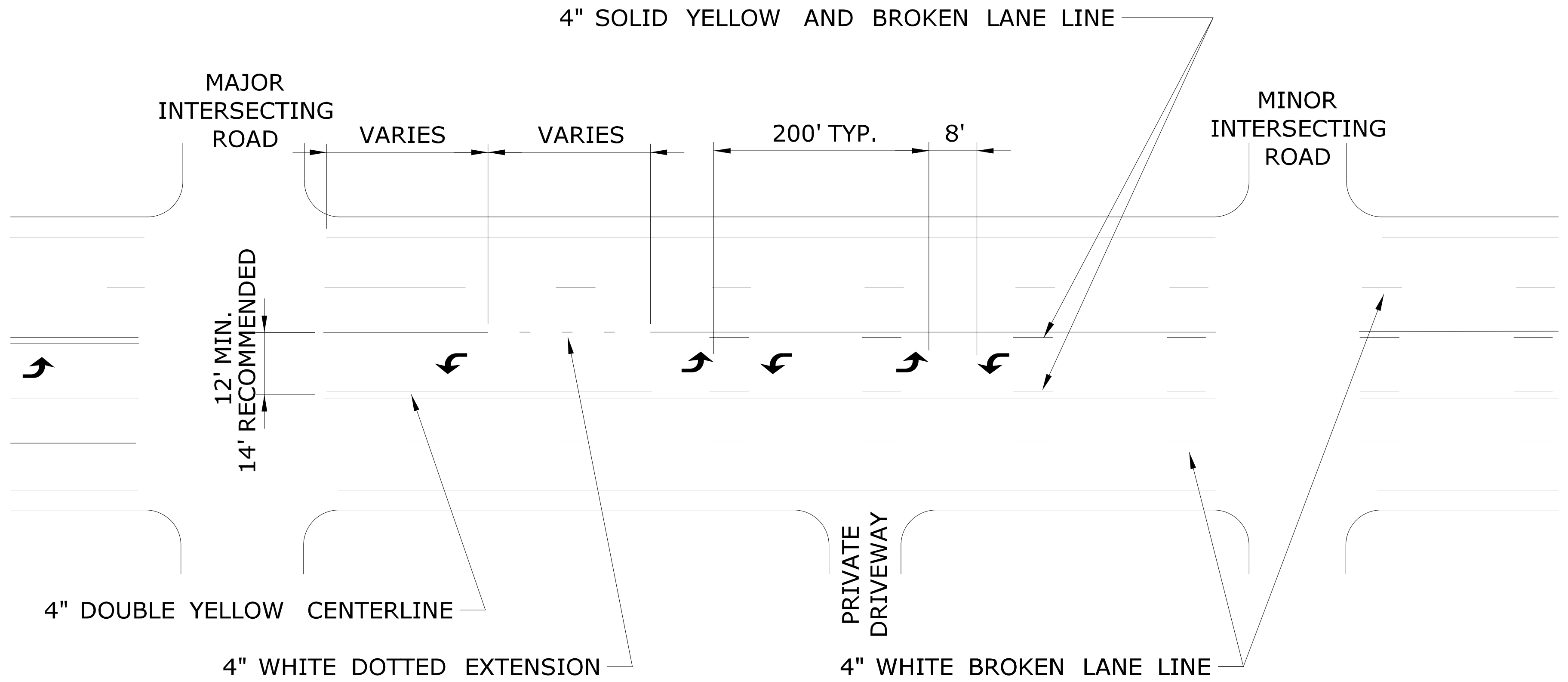
PAVEMENT MARKINGS FOR CENTERLINE AND SHOULDER LINE


8" WHITE LANE LINE
4" WHITE EDGE LINE
4" WHITE BROKEN LANE LINE
4" WHITE LANE LINE
200' TYP.
8" WHITE DOTTED LANE LINE (3' LINES AT 9' SPACES) (1 MILE OR LESS)
4" WHITE LANE LINE
30' TYP.
10' TYP.
17
160' MAX SPACED EVENLY FROM BACK OF FIRST ARROW TO END OF FULL WIDTH TURNING LANE
50' TYP.
4" WHITE DOTTED EXTENSION LINE (2' LINES AT 4' SPACES - OPTIONAL AS DIRECTED BY ENGINEER OR AS SHOWN ELSEWHERE IN PLANS)

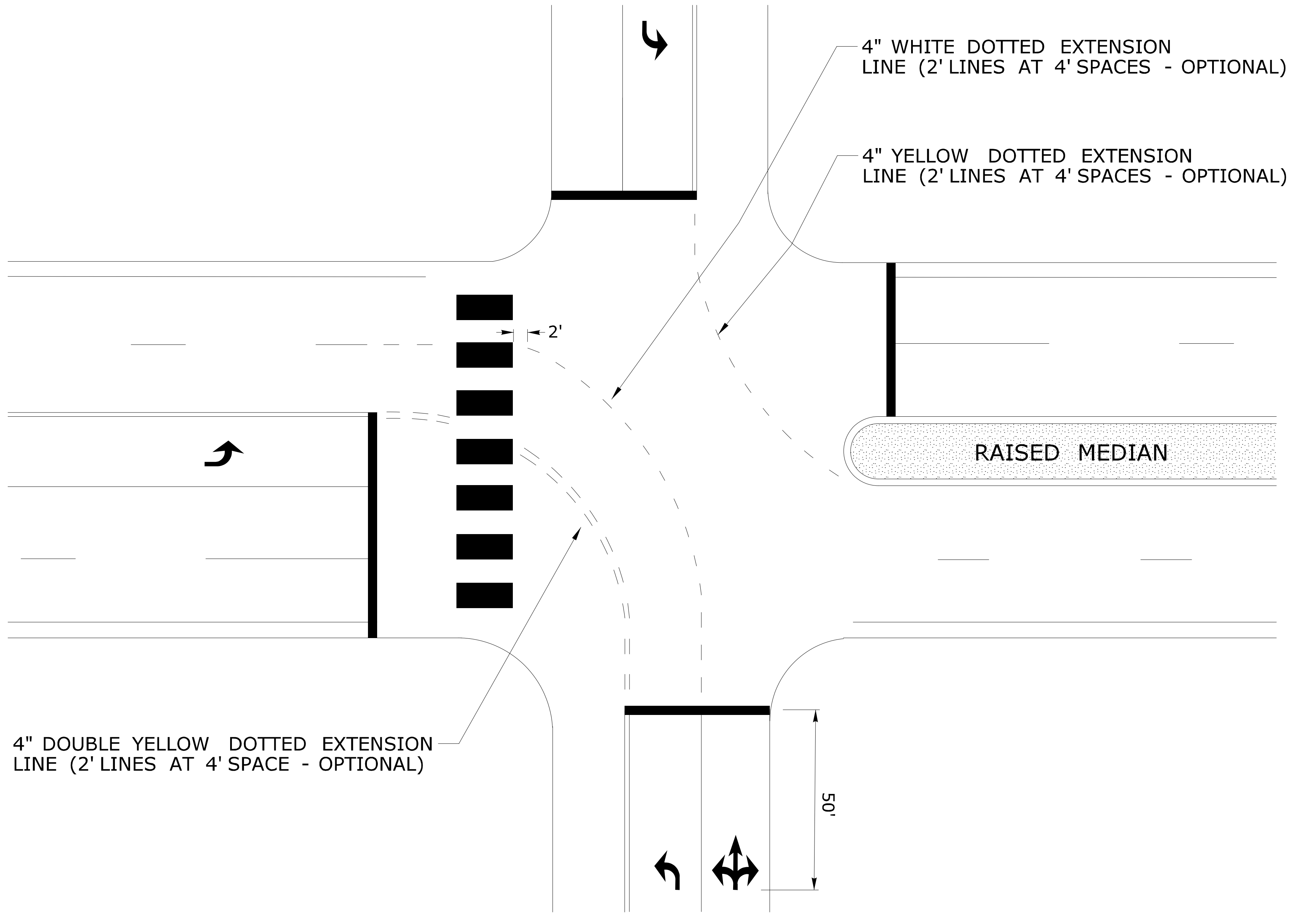
PAVEMENT MARKINGS FOR TURNING LANES AND ROAD LANE-DROP



PAVEMENT MARKINGS FOR STOP BARS, YIELD LINES, AND CROSSWALKS


4" SOLID YELLOW AND BROKEN LANE LINE
MAJOR INTERSECTING ROAD
VARIES
VARIES
200' TYP.
8'
MINOR INTERSECTING ROAD
12' MIN. 14' RECOMMENDED
PRIVATE DRIVEWAY
4" DOUBLE YELLOW CENTERLINE
4" WHITE DOTTED EXTENSION LINE (2' LINES AT 4' SPACES)
4" WHITE BROKEN LANE LINE

TWO-WAY LEFT-TURN MARKINGS APPLICATIONS


4" WHITE DOTTED EXTENSION LINE (2' LINES AT 4' SPACES - OPTIONAL)
4" YELLOW DOTTED EXTENSION LINE (2' LINES AT 4' SPACES - OPTIONAL)
2'
RAISED MEDIAN
4" DOUBLE YELLOW DOTTED EXTENSION LINE (2' LINES AT 4' SPACE - OPTIONAL)
50'

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.

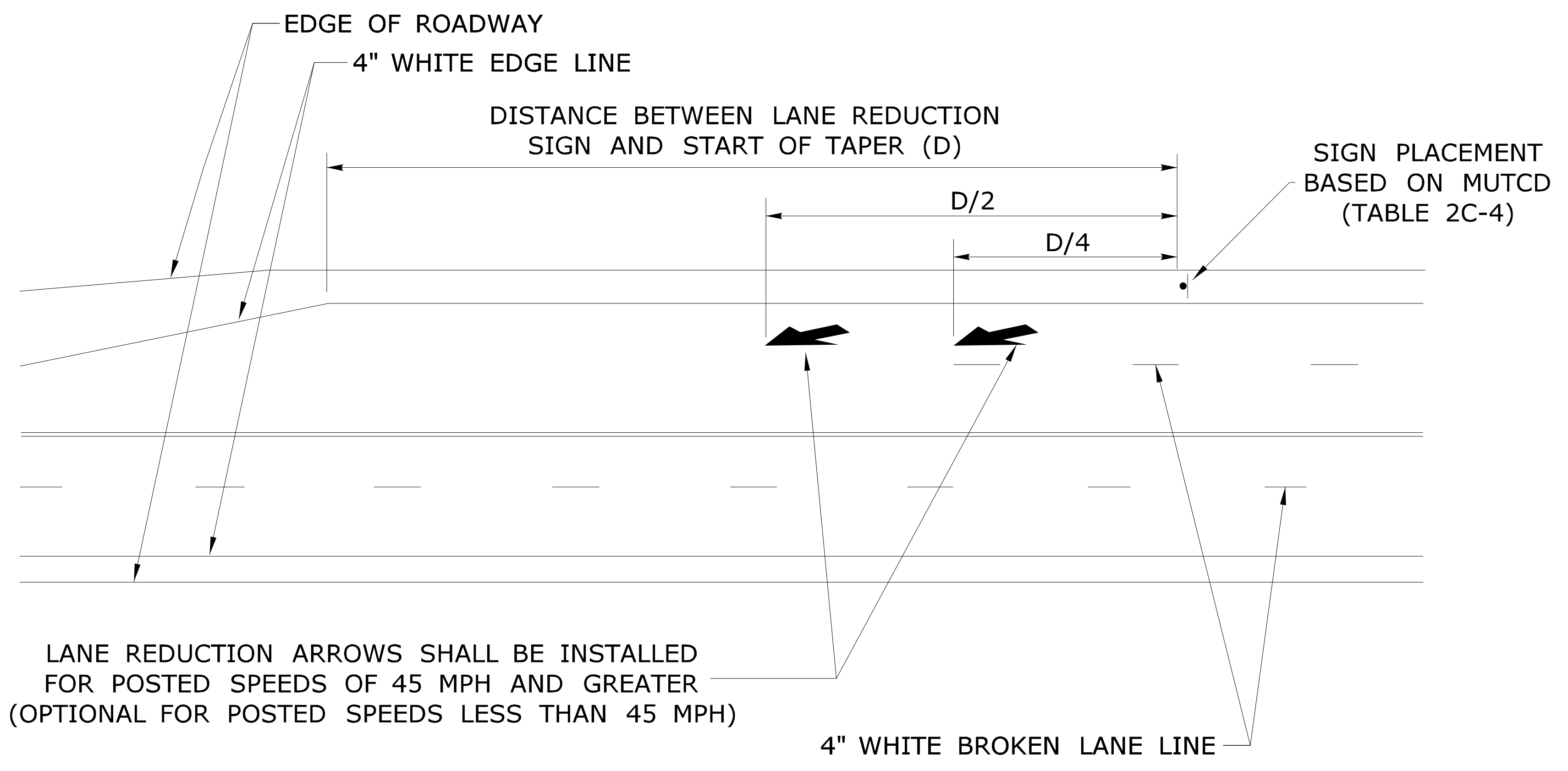
⑫ AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

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.


EDGE OF ROADWAY
4" WHITE EDGE LINE
DISTANCE BETWEEN LANE REDUCTION SIGN AND START OF TAPER (D)
D/2
D/4
SIGN PLACEMENT BASED ON MUTCD (TABLE 2C-4)
LANE REDUCTION ARROWS SHALL BE INSTALLED FOR POSTED SPEEDS OF 45 MPH AND GREATER (OPTIONAL FOR POSTED SPEEDS LESS THAN 45 MPH)
4" WHITE BROKEN LANE LINE

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 Makuch
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

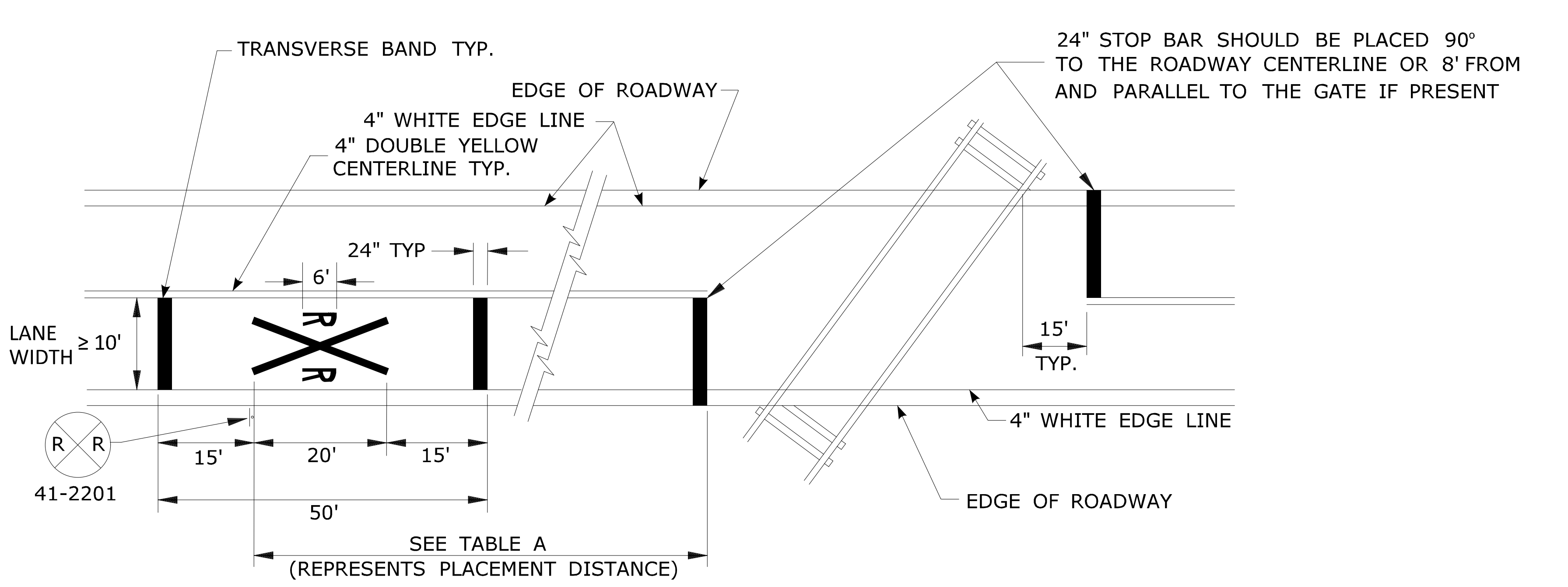
STANDARD SHEET TITLE:

PAVEMENT MARKINGS
FOR NON FREEWAYS

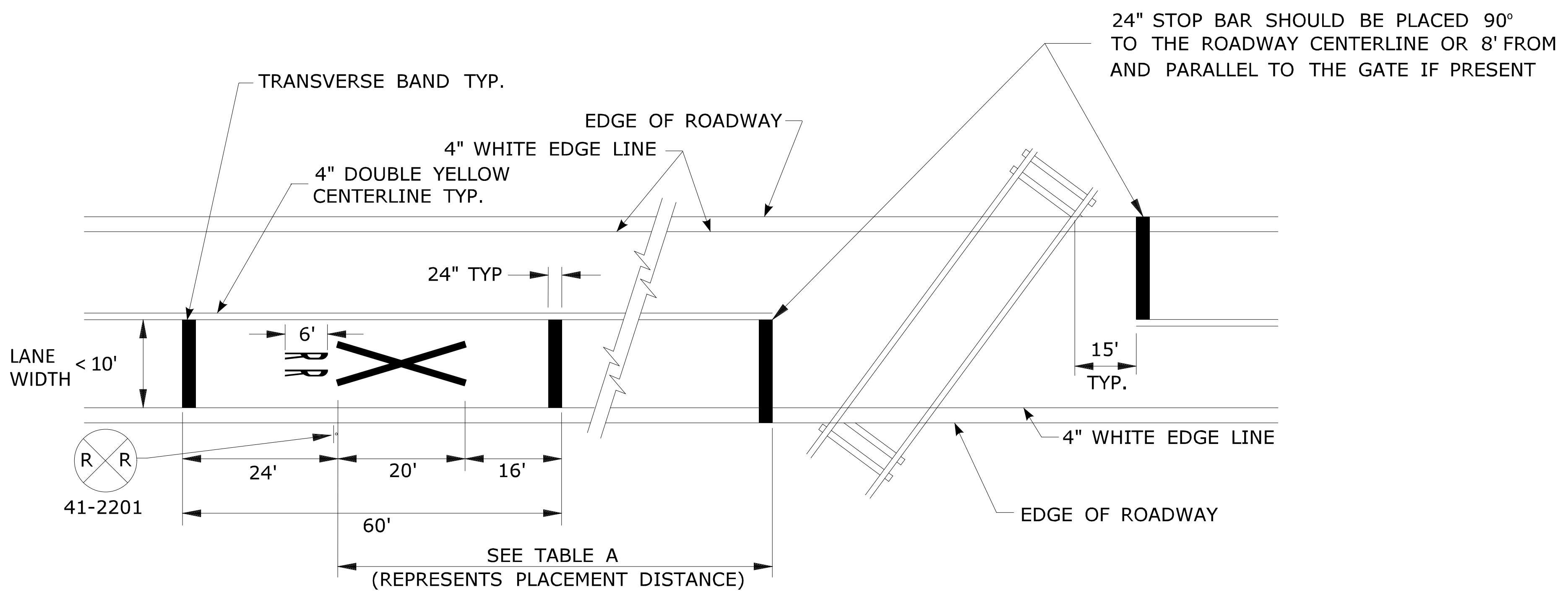
STANDARD SHEET NO.:

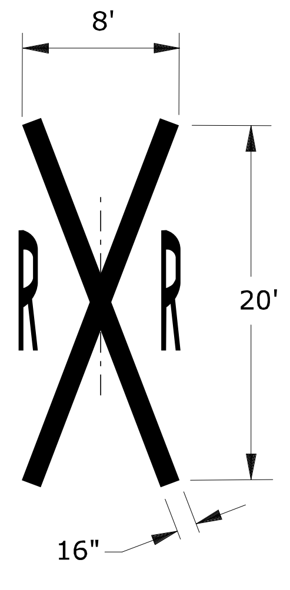
TR-1210_08

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

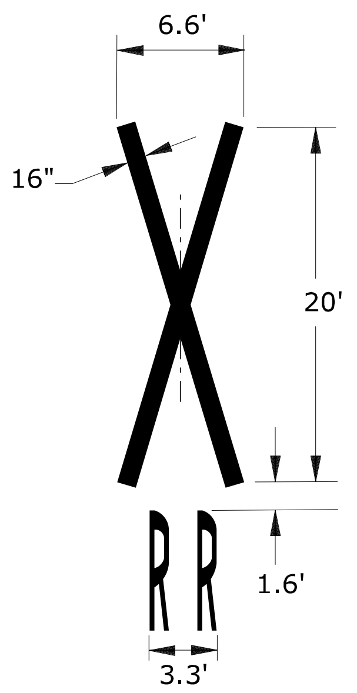

TRANSVERSE BAND TYP.
EDGE OF ROADWAY
4" WHITE EDGE LINE
4" DOUBLE YELLOW CENTERLINE TYP.
24" STOP BAR SHOULD BE PLACED 90° TO THE ROADWAY CENTERLINE OR 8' FROM AND PARALLEL TO THE GATE IF PRESENT
24" TYP
6'
LANE WIDTH ≥ 10'
R R
41-2201
15'
20'
15'
50'
SEE TABLE A (REPRESENTS PLACEMENT DISTANCE)
15' TYP.
4" WHITE EDGE LINE
EDGE OF ROADWAY

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

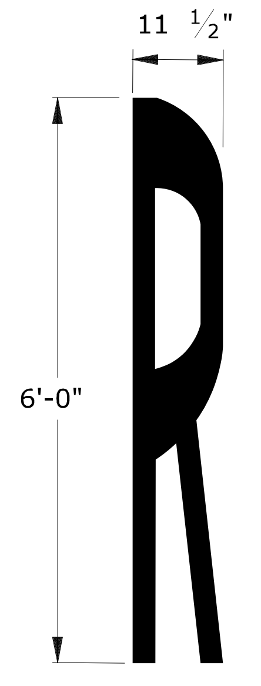

TRANSVERSE BAND TYP.
EDGE OF ROADWAY
4" WHITE EDGE LINE
4" DOUBLE YELLOW CENTERLINE TYP.
24" STOP BAR SHOULD BE PLACED 90° TO THE ROADWAY CENTERLINE OR 8' FROM AND PARALLEL TO THE GATE IF PRESENT
24" TYP
6'
LANE WIDTH < 10'
R R
41-2201
24'
20'
16'
60'
SEE TABLE A (REPRESENTS PLACEMENT DISTANCE)
15' TYP.
4" WHITE EDGE LINE
EDGE OF ROADWAY



67.5 S.F.



67.5 S.F.



5.75 S.F.

TABLE A

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

NOTES:

GENERAL:

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

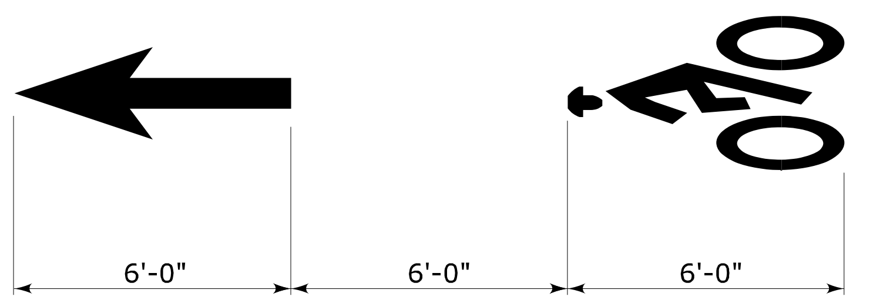
RAILROAD GRADE CROSSINGS:

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

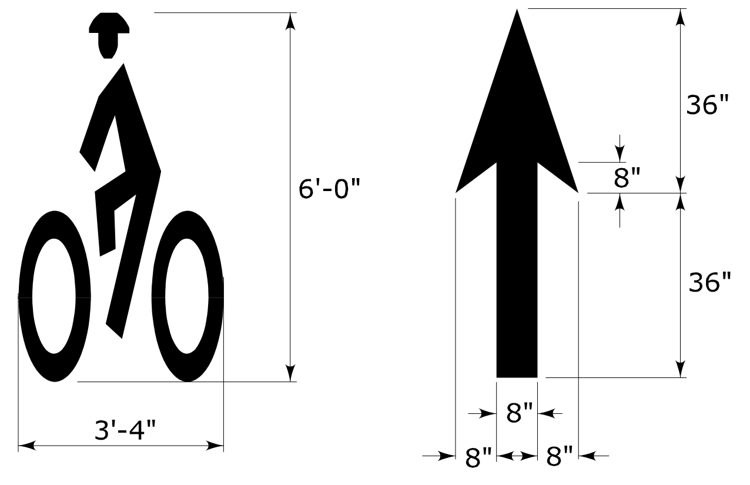
PARKING STALLS:

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

TYPICAL LONGITUDINAL SPACING



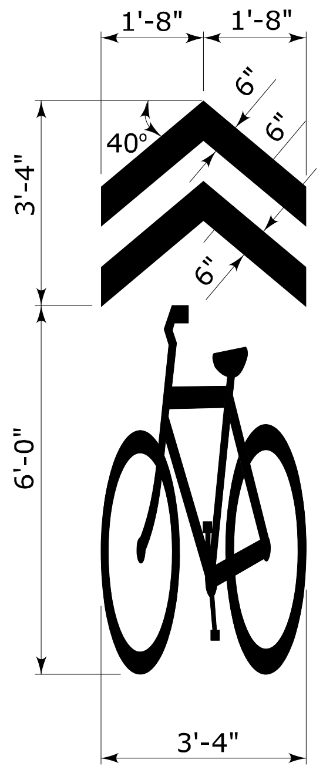
BICYCLE LANE SYMBOL MARKINGS



5.8 S.F.

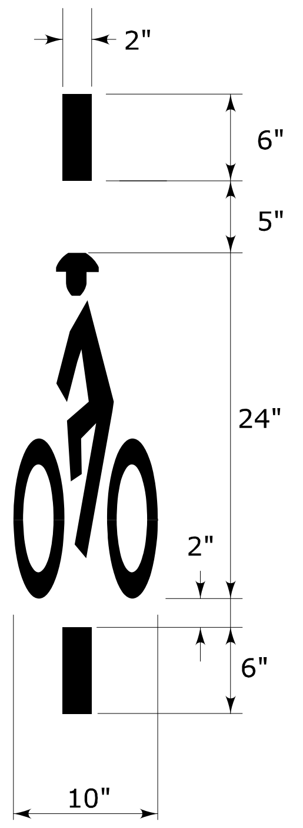
4.7 S.F.

SHARED LANE SYMBOL MARKING



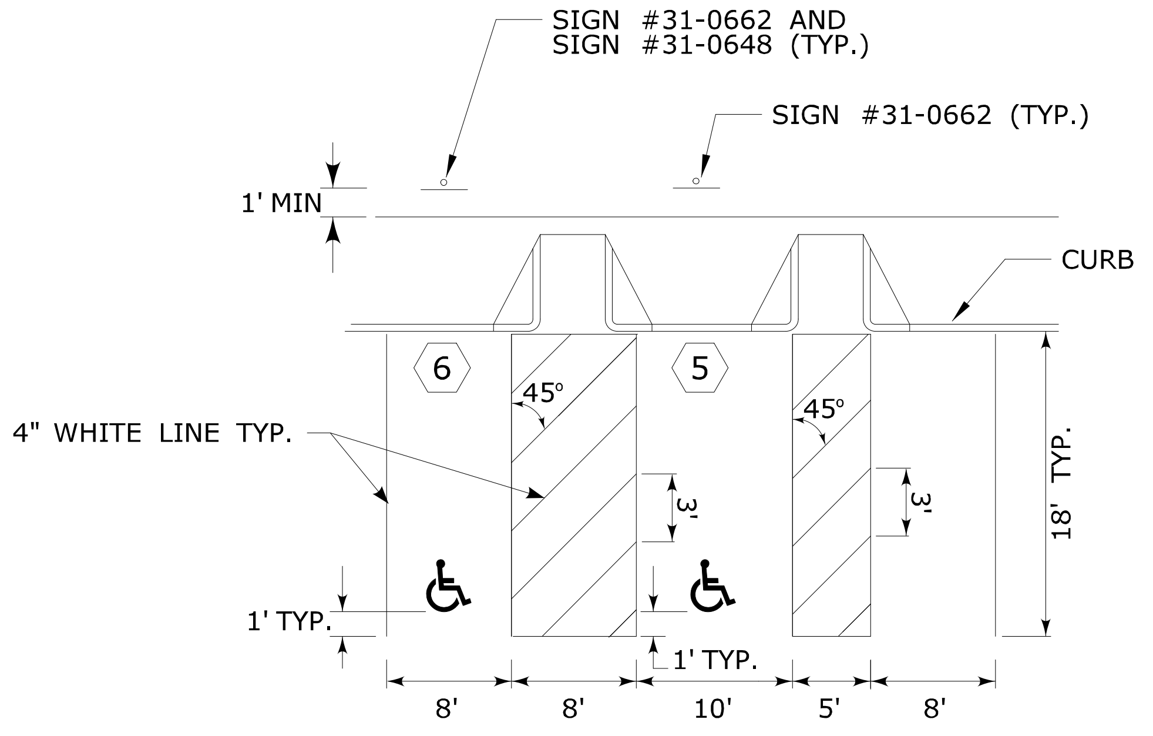
9.7 S.F.

BICYCLE DETECTOR SYMBOL MARKING

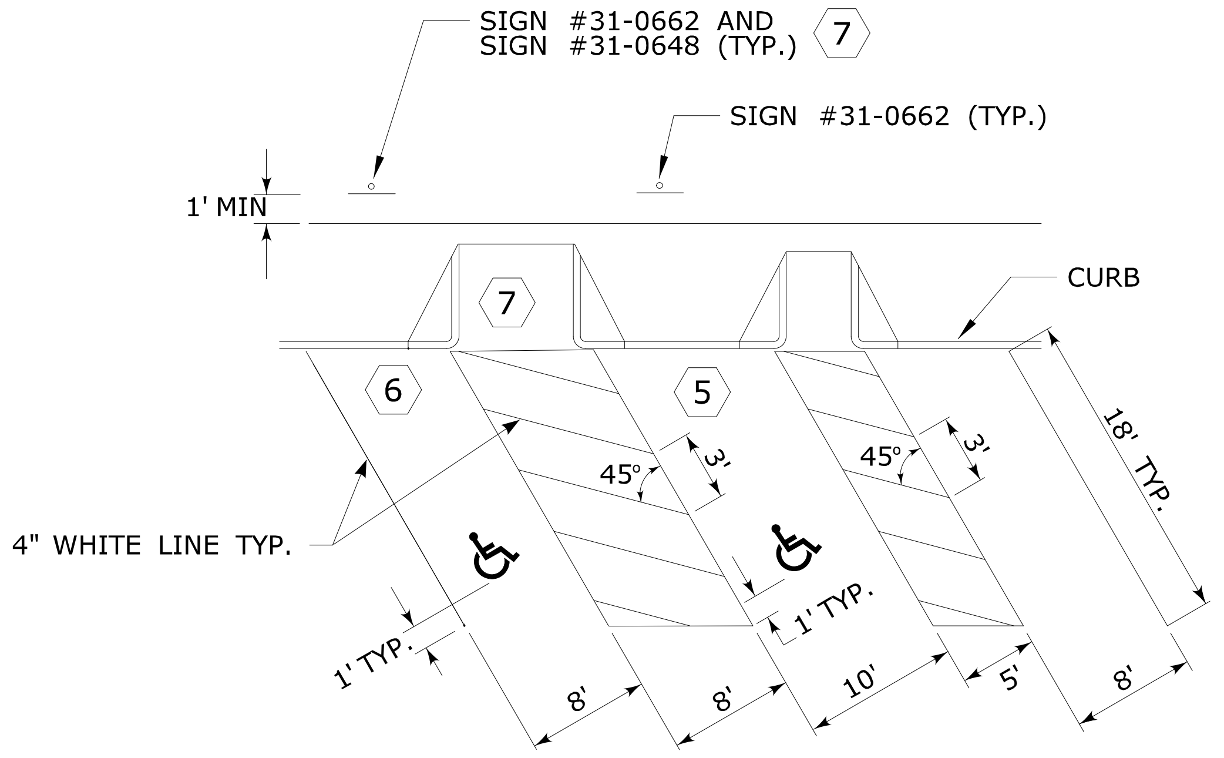


0.7 S.F.

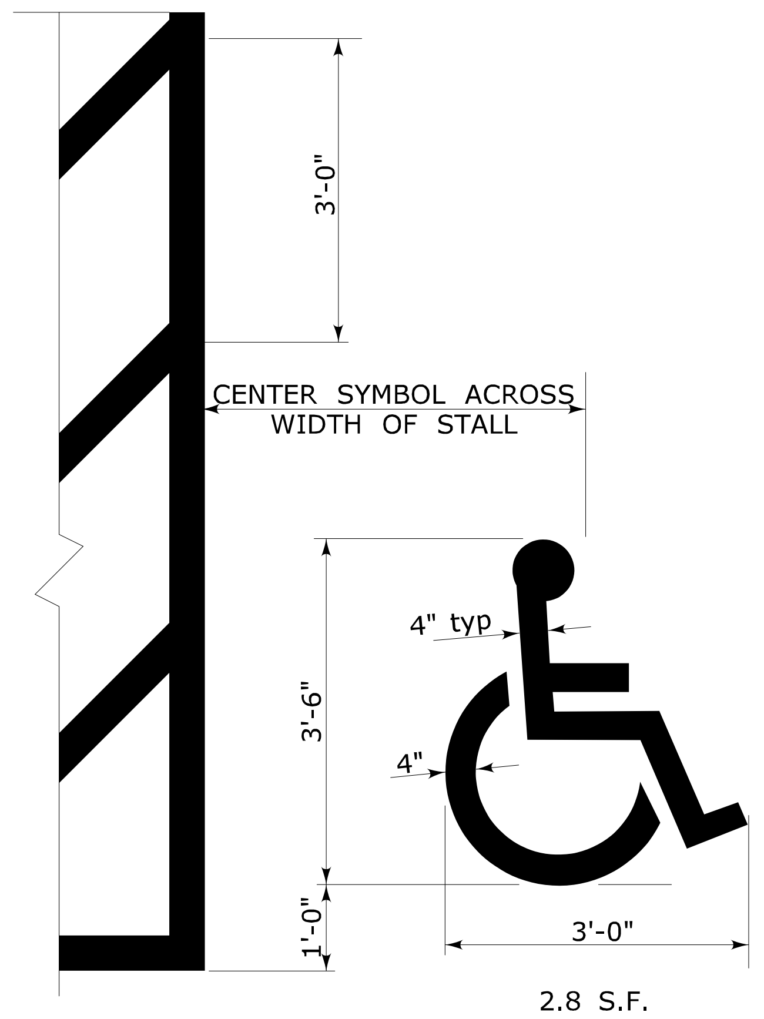
TYPICAL PERPENDICULAR PARKING STALLS DETAIL



TYPICAL ANGLE PARKING STALLS DETAIL



ACCESSIBLE PARKING SPACE SYMBOL



2.8 S.F.

REV.	DATE	REVISION DESCRIPTION

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

Plotted Date: 4/3/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_09.dgn
Model: CT_Civil_2D_Sheet

SUBMITTED BY: NAME/DATE/TIME:
Mark Makuch
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:

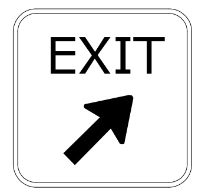
PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RAILROAD GRADE CROSSINGS

STANDARD SHEET NO.:

TR-1210_09

E5 - SERIES

E5-1



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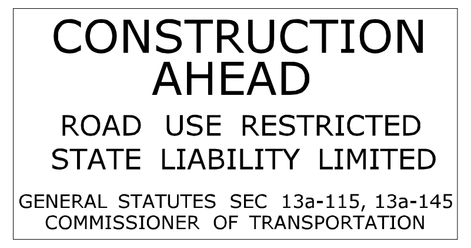
BACKGROUND - GREEN

	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

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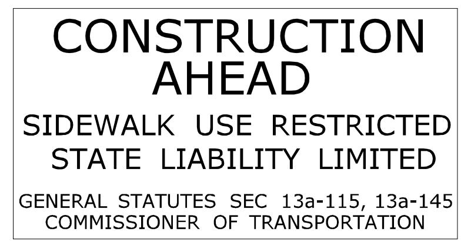
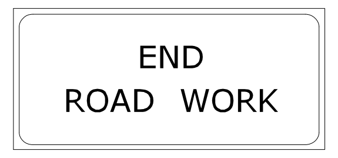
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2


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



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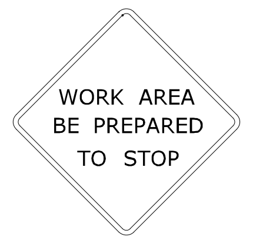
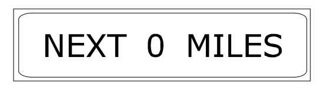
	8.0	48X24	80-9612	2



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



VARIABLE MILEAGE

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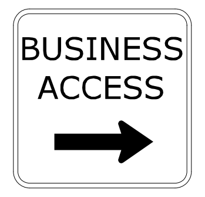
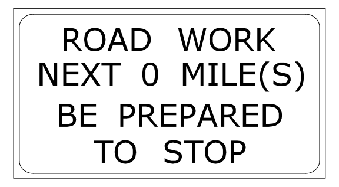


VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

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



VARIABLE MILEAGE

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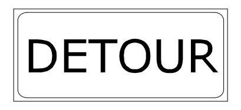
	90.0	120X108	80-9728	

M4 - SERIES

M4-8



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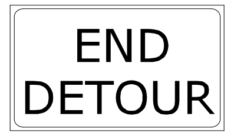
	2.0	24X12	80-9707	1

M4-8a



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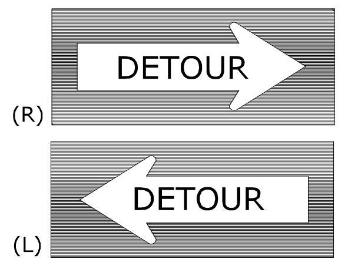
	3.0	24X18	80-9708	1

M4-10



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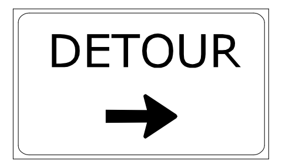
	6.0	48X18	80-9702L	2



VARIABLE ARROW

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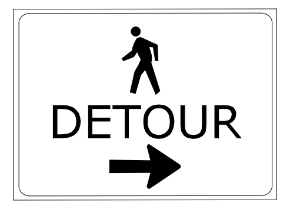
	5.0	30X24	80-9710	1

M4-9b



VARIABLE ARROW

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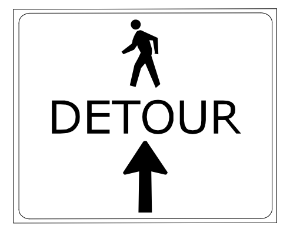
M4-9b



VARIABLE ARROW

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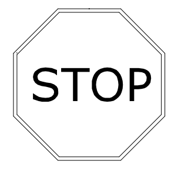
R1 - SERIES

R1-1



COPY & BORDER - WHITE
BACKGROUND - RED

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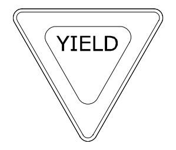
	13.30	48	31-0557	2

R1-2

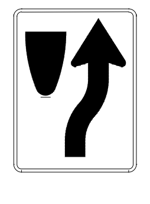


COPY & BORDER - RED
BACKGROUND - WHITE

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

R4 - SERIES

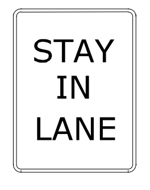
R4-7



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R4-9

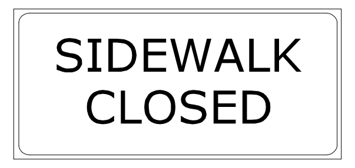


COPY & BORDER - BLACK
BACKGROUND - WHITE

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

R9 & R11 - SERIES

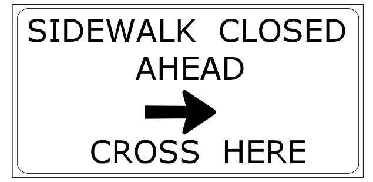
R9-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

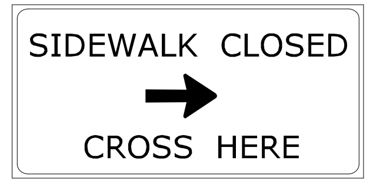
R9-11



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

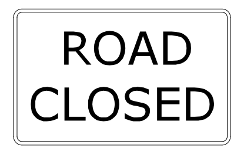
R9-11a



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

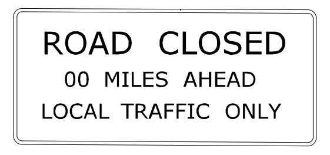
R11-2



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

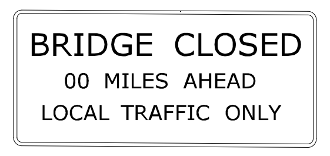
R11-3a



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

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

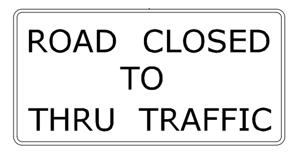
R11-3b



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

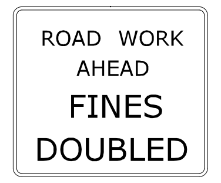
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9078	2

R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

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

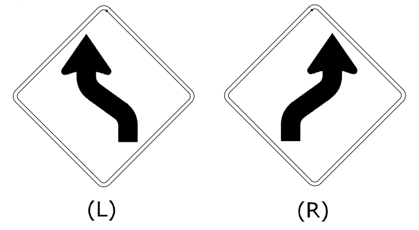


COPY & BORDER - BLACK
BACKGROUND - WHITE

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

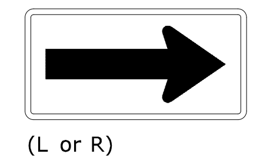
W1 - SERIES

W1-4



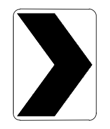
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9432L	1
	9.0	36	80-9431R	1
	16.0	48	80-9452L	2
	16.0	48	80-9451R	2

W1-6

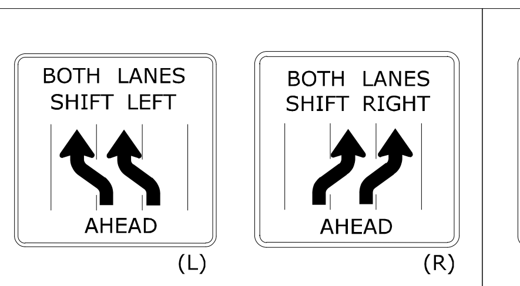


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9424	2
	12.5	60X30	80-9423	2

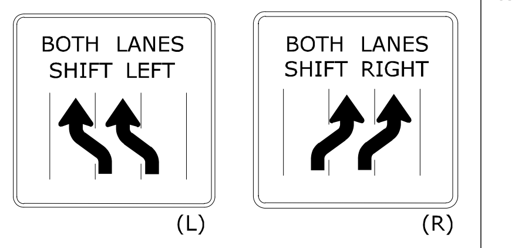
W1-8



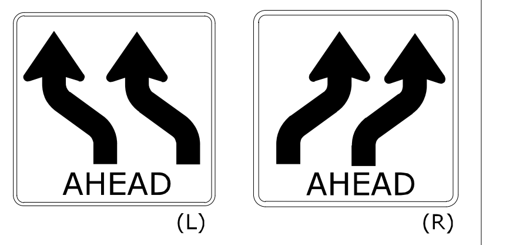
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	18X24	80-9401	1
	5.0	24X30	80-9403	1
	7.5	30X36	80-9404	1



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

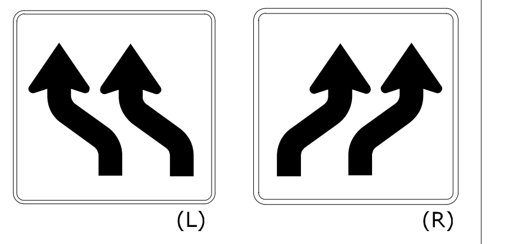


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9434L	2
	16.0	48	80-9436R	2

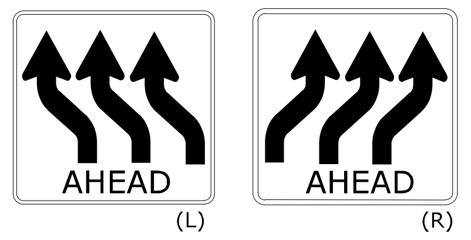


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9443L	2
	25.0	60	80-9445R	2

W1-4b

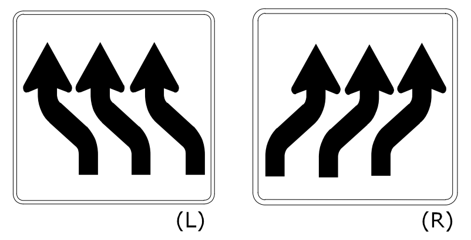


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9444L	2
	25.0	60	80-9446R	2



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

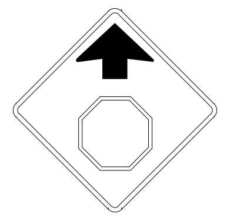
W1-4c



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

W3 - SERIES

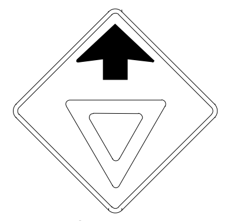
W3-1



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

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

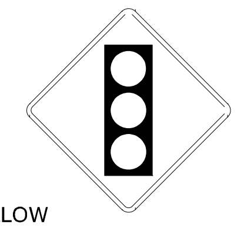
W3-2



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

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

W3-3

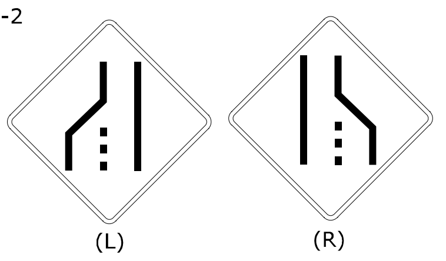


TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

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

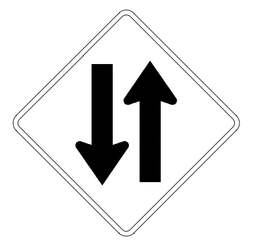
W4-W6 - SERIES

W4-2



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

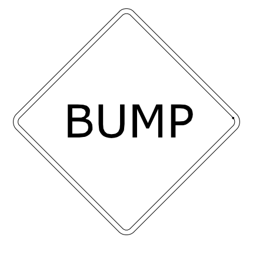
W6-3



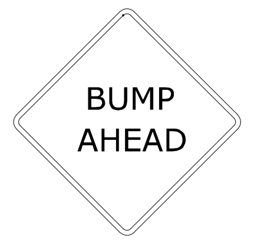
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9945	2

W8-W9 - SERIES

W8-1

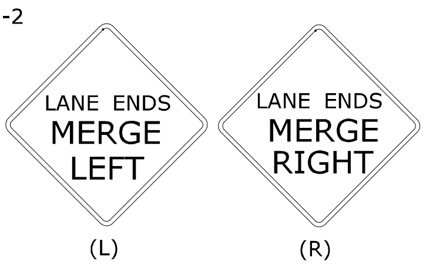


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9901	1
	16.0	48	80-9902	2



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

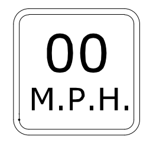
W9-2



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

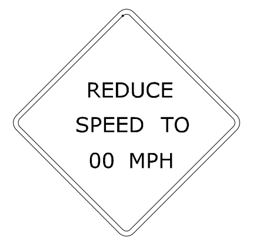
W13 - SERIES

W13-1



SUBPLATE
VARIABLE SPEED

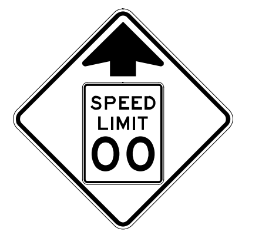
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.0	24	80-9569	1
	6.25	30	80-9567	1



VARIABLE SPEED

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

W3-5

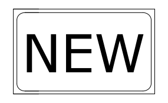


VARIABLE SPEED

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

W-16 - SERIES

W16-15P

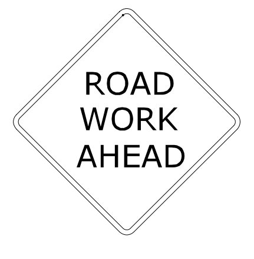


COPY & BORDER - BLACK
BACKGROUND - ORANGE

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

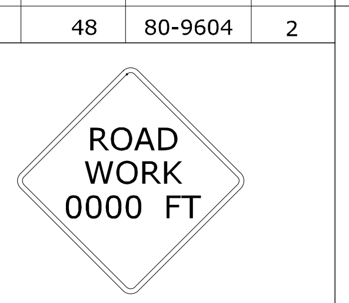
W20 - SERIES

W20-1



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

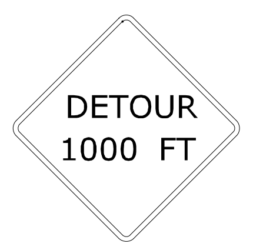
W20-1



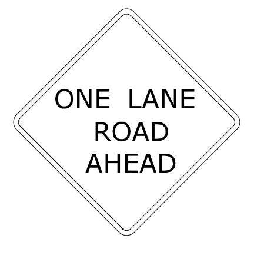
VARIABLE DISTANCE

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

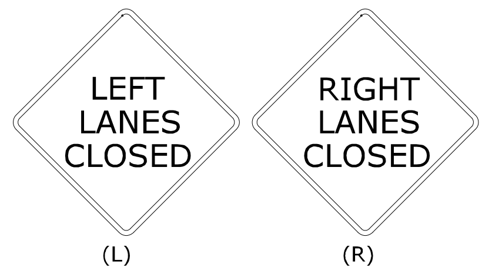
W20-2



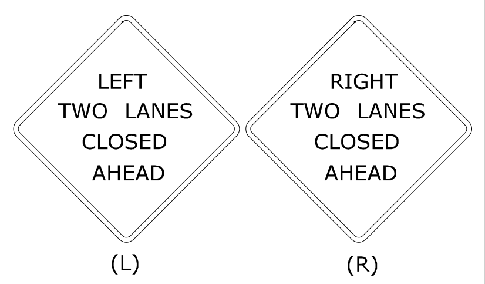
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9805	1
	16.0	48	80-9806	2



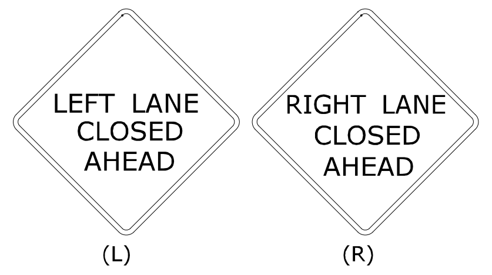
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9834	1
	16.0	48	80-9835	2



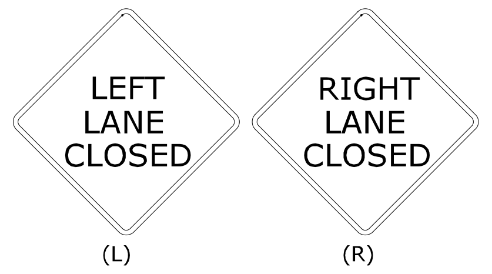
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9836	2
(R)	16.0	48	80-9839	2



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

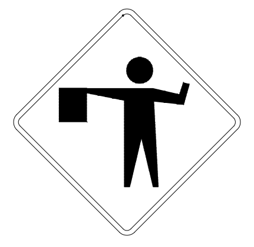


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9847	2
(R)	16.0	48	80-9848	2

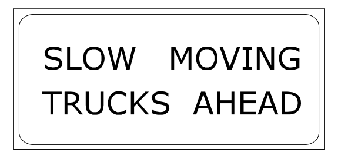


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9846	2
(R)	16.0	48	80-9849	2

W20-7a

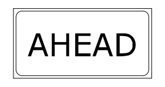


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9803	1
	16.0	48	80-9804	2



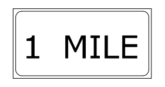
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	32.0	96X48	80-9815	2

W16-9P



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

W16-3aP

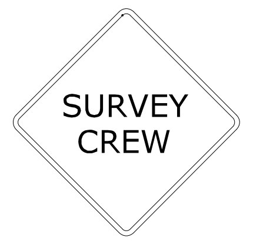


VARIABLE MILEAGE

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

W21 - SERIES

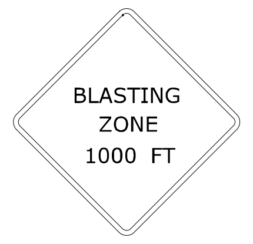
W21-6



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

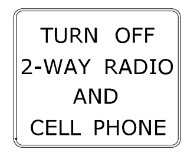
W22 - SERIES

W22-1



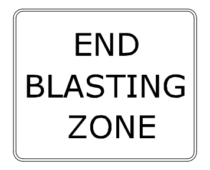
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9620	1
	16.0	48	80-9625	2

W22-2

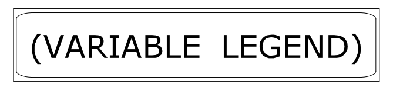


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	10.5	42X36	80-9623	2

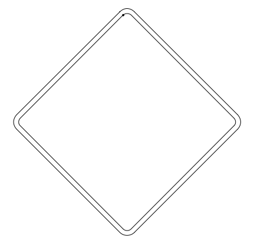
W22-3



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

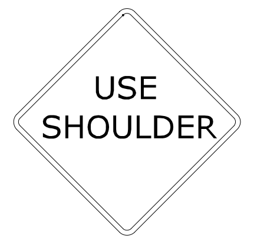


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.17	60X10	80-9913	2
	12.0	96X18	80-9914	2
	3.33	48X10	80-9916	2



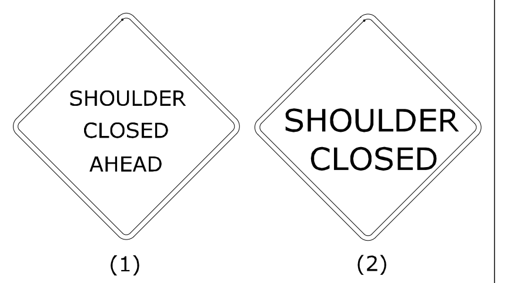
BLANK OR
VARIABLE LEGEND

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



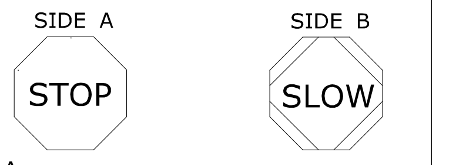
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9956	2

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



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

STOP-SLOW PADDLE



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

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

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

MATERIALS:

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

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

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

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

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

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

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

CTDOT
STANDARD SHEET

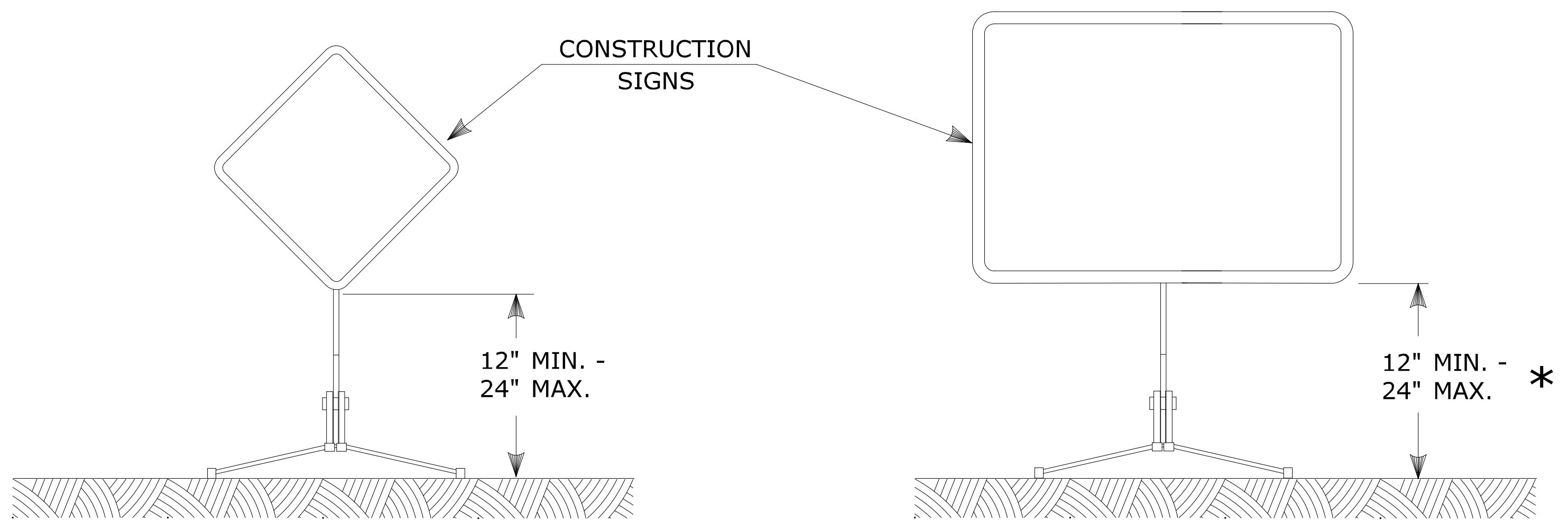
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:

TR-1220_01



DIAMOND SHAPE

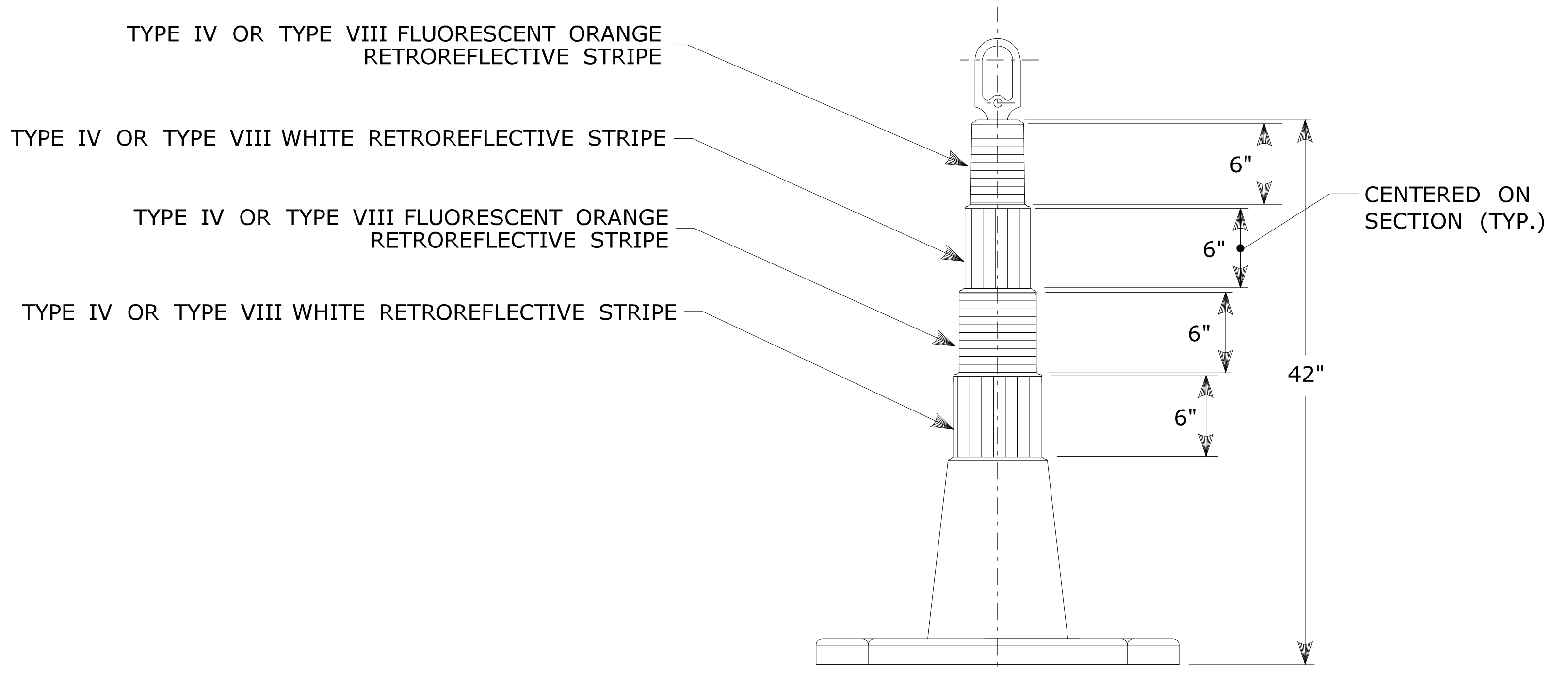
RECTANGLE SHAPE

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.

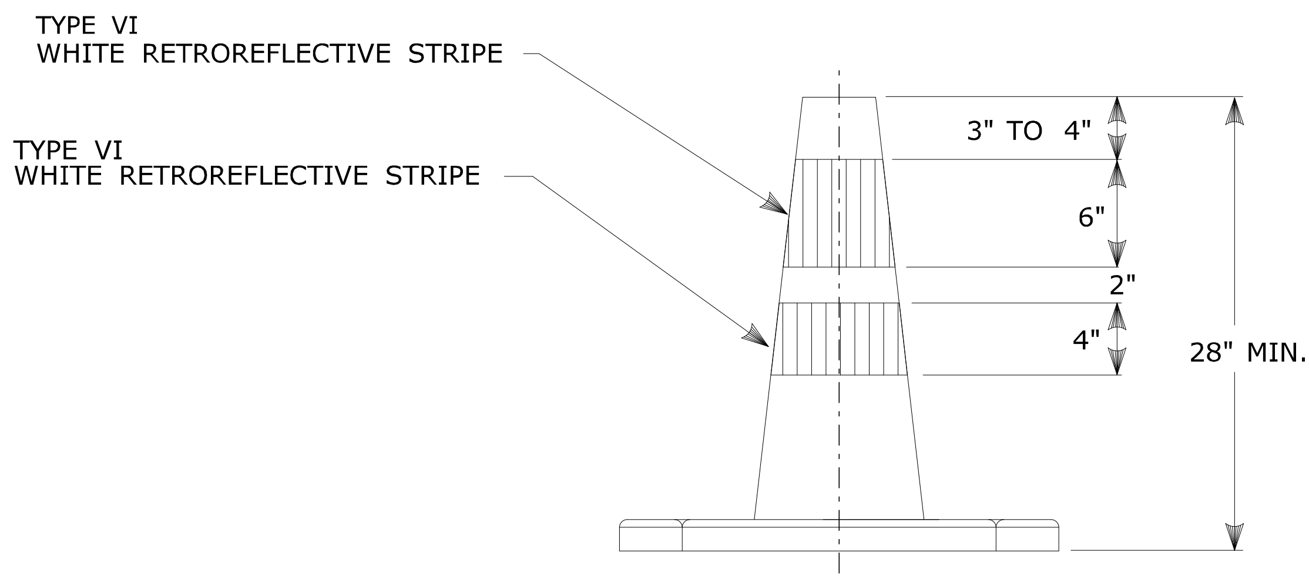
* FOR E5-1 (EXIT SIGNS) USE MIN 48".


TYPE IV OR TYPE VIII FLUORESCENT ORANGE RETROREFLECTIVE STRIPE
TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE
TYPE IV OR TYPE VIII FLUORESCENT ORANGE RETROREFLECTIVE STRIPE
TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE
6"
6"
6"
6"
CENTERED ON SECTION (TYP.)
42"

42" TRAFFIC CONE

NOTES:

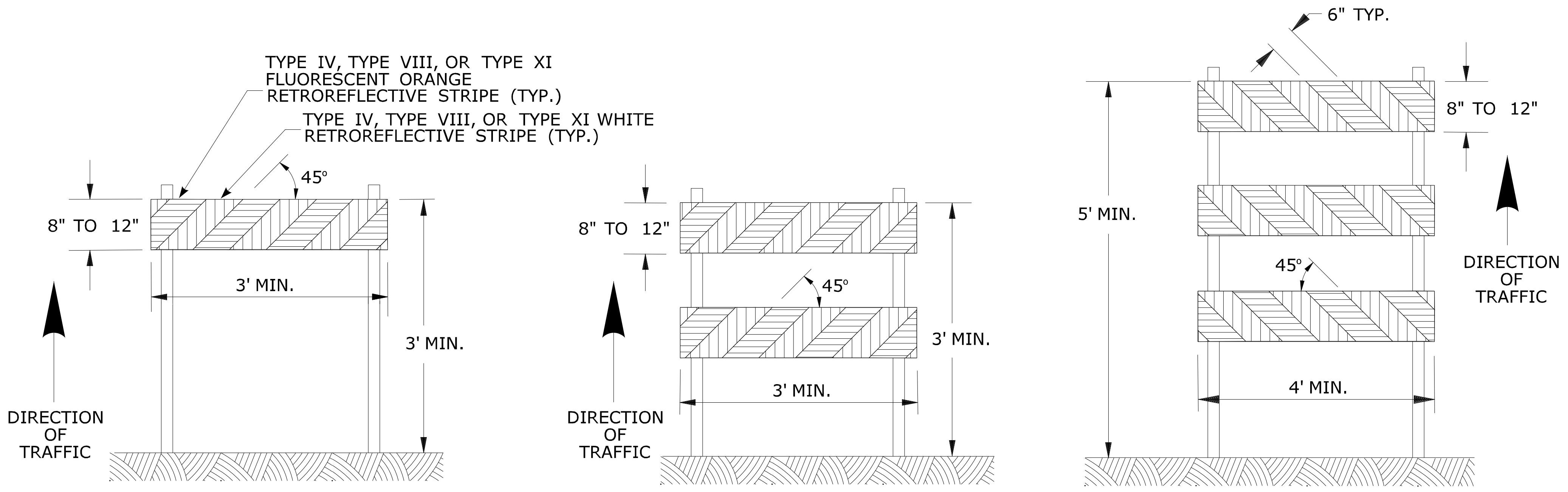
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER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


TYPE VI WHITE RETROREFLECTIVE STRIPE
TYPE VI WHITE RETROREFLECTIVE STRIPE
3" TO 4"
6"
2"
4"
28" MIN.

TRAFFIC CONE

NOTES:

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


TYPE IV, TYPE VIII, OR TYPE XI FLUORESCENT ORANGE RETROREFLECTIVE STRIPE (TYP.)
TYPE IV, TYPE VIII, OR TYPE XI WHITE RETROREFLECTIVE STRIPE (TYP.)
45°
8" TO 12"
3' MIN.
3' MIN.
DIRECTION OF TRAFFIC
8" TO 12"
45°
3' MIN.
3' MIN.
DIRECTION OF TRAFFIC
6" TYP.
8" TO 12"
5' MIN.
45°
4' MIN.
DIRECTION OF TRAFFIC

TYPE I BARRICADE

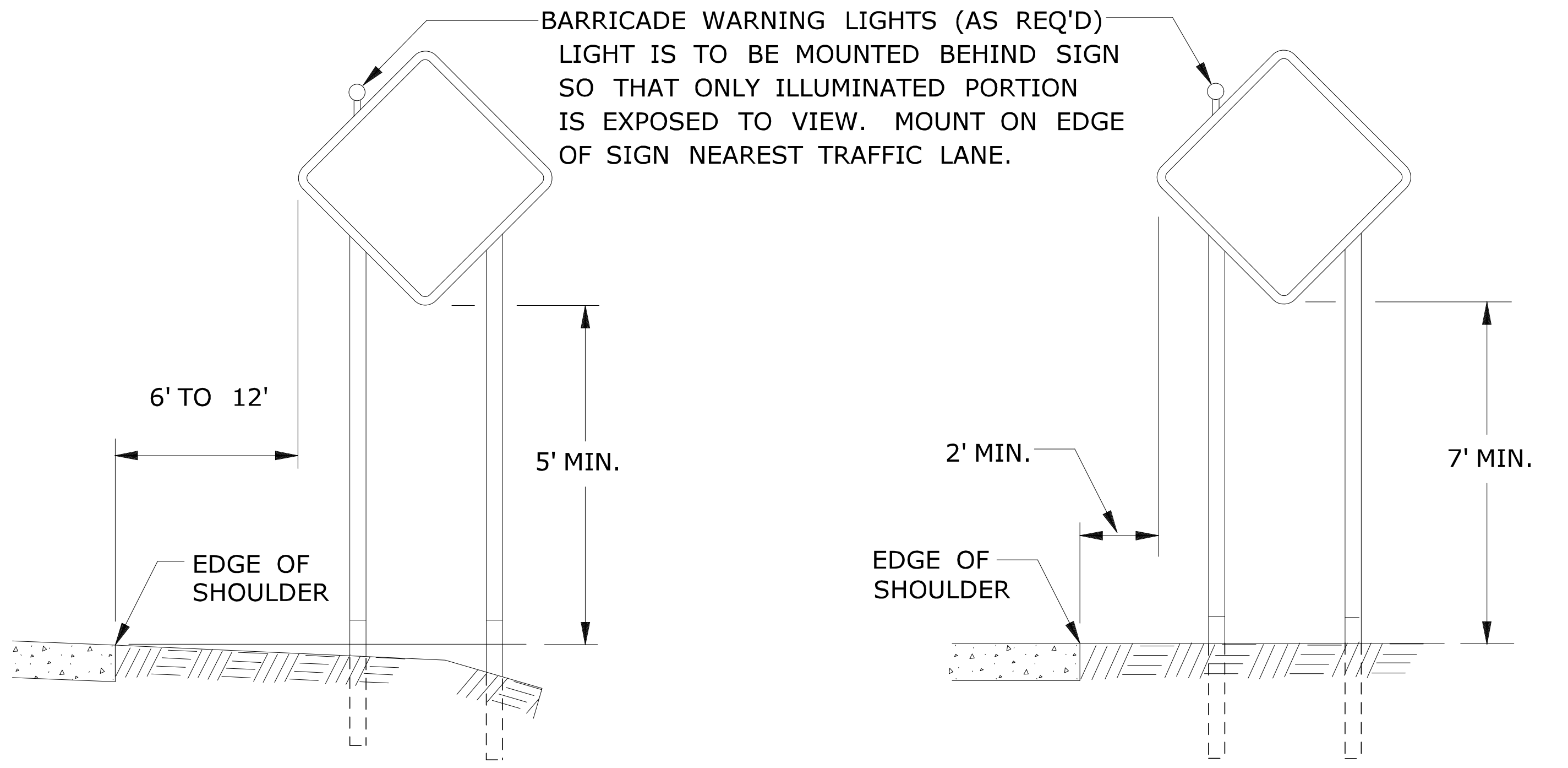
TYPE II BARRICADE

TYPE III BARRICADE

CONSTRUCTION BARRICADES

NOTES:

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


BARRICADE WARNING LIGHTS (AS REQ'D) LIGHT IS TO BE MOUNTED BEHIND SIGN SO THAT ONLY ILLUMINATED PORTION IS EXPOSED TO VIEW. MOUNT ON EDGE OF SIGN NEAREST TRAFFIC LANE.
6' TO 12'
5' MIN.
EDGE OF SHOULDER
2' MIN.
7' MIN.
EDGE OF SHOULDER

RURAL AREA

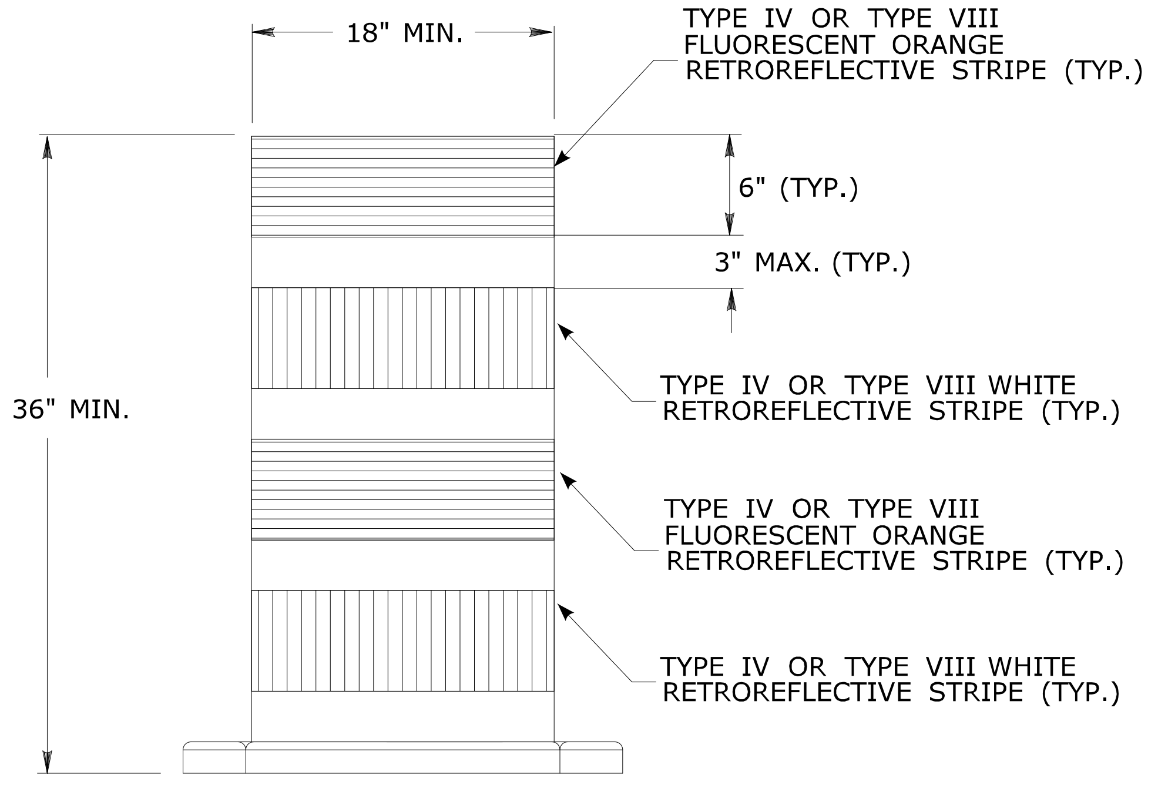
URBAN AREA

PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

NOTES:

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

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


18" MIN.
TYPE IV OR TYPE VIII FLUORESCENT ORANGE RETROREFLECTIVE STRIPE (TYP.)
6" (TYP.)
3" MAX. (TYP.)
36" MIN.
TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE (TYP.)
TYPE IV OR TYPE VIII FLUORESCENT ORANGE RETROREFLECTIVE STRIPE (TYP.)
TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE (TYP.)

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 Makuch
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

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

****REVISED OR ADDED**

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

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

NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: **HIGHWAY STANDARD SHEET INDEX**

STANDARD SHEET NO.:
1 OF 2

PLOTTED DATE: 10/21/2024

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

****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	10-17-24
☐	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	10-17-24
☐	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	10-17-24
☐	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	11-08-22
☐	HW-910_20	MASH W-BEAM HARDWARE	10-17-24
☐	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	10-17-24
☐	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	10-17-24
☐	HW-911_02	MD-B END ANCHORAGE TYPE I	10-17-24
☐	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	10-17-24
☐	HW-930_01	OBJECT MARKER (MAINTENANCE)	10-17-24
☐	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)	10-17-24
☐	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	10-17-24

NOT TO SCALE

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

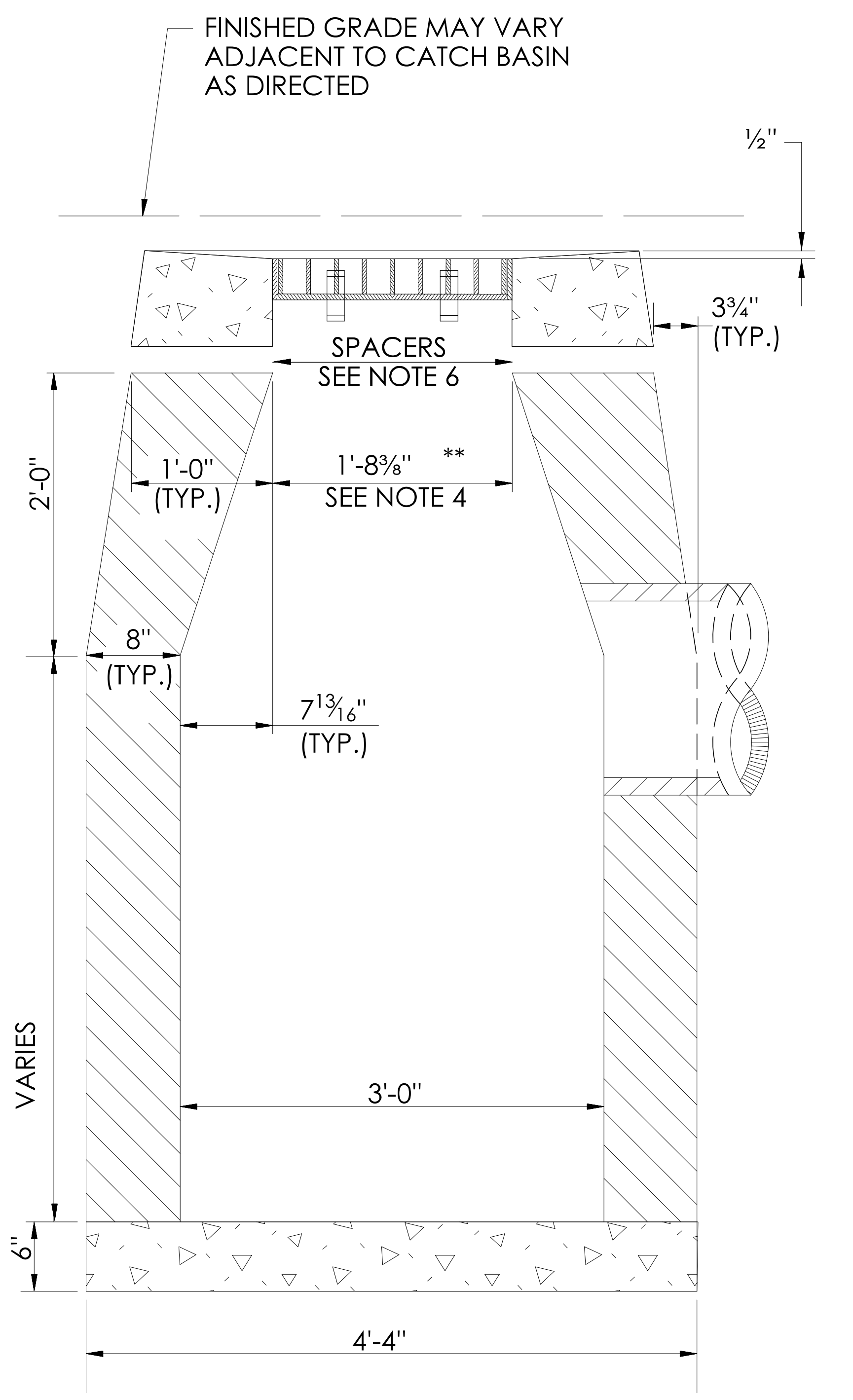
STATE OF CONNECTICUT
**DEPARTMENT
OF
TRANSPORTATION**

**CTDOT
STANDARD SHEET**

STANDARD SHEET TITLE:
HIGHWAY STANDARD SHEET INDEX

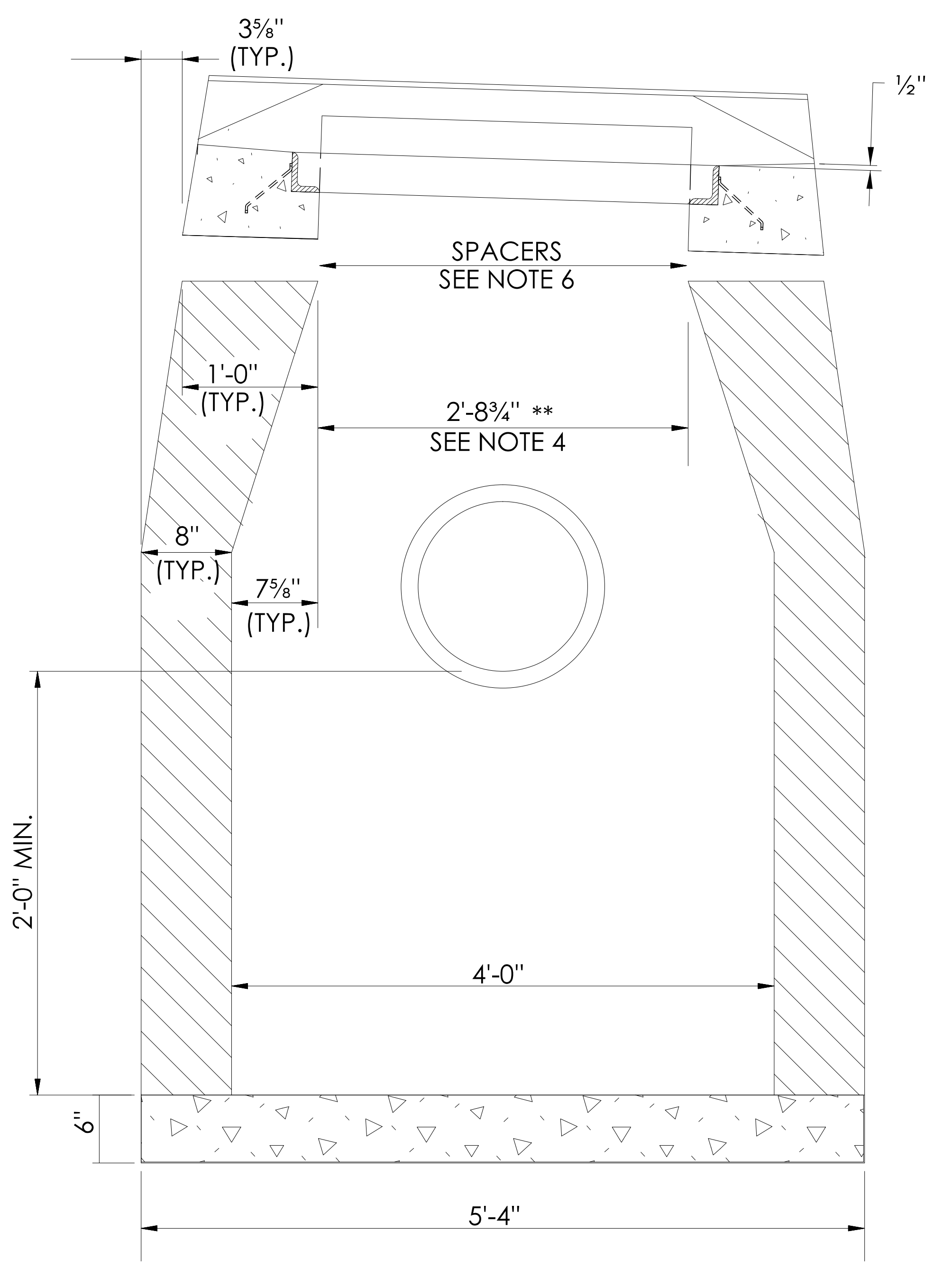
STANDARD SHEET NO.:
2 OF 2

PLOTTED DATE: 10/21/2024



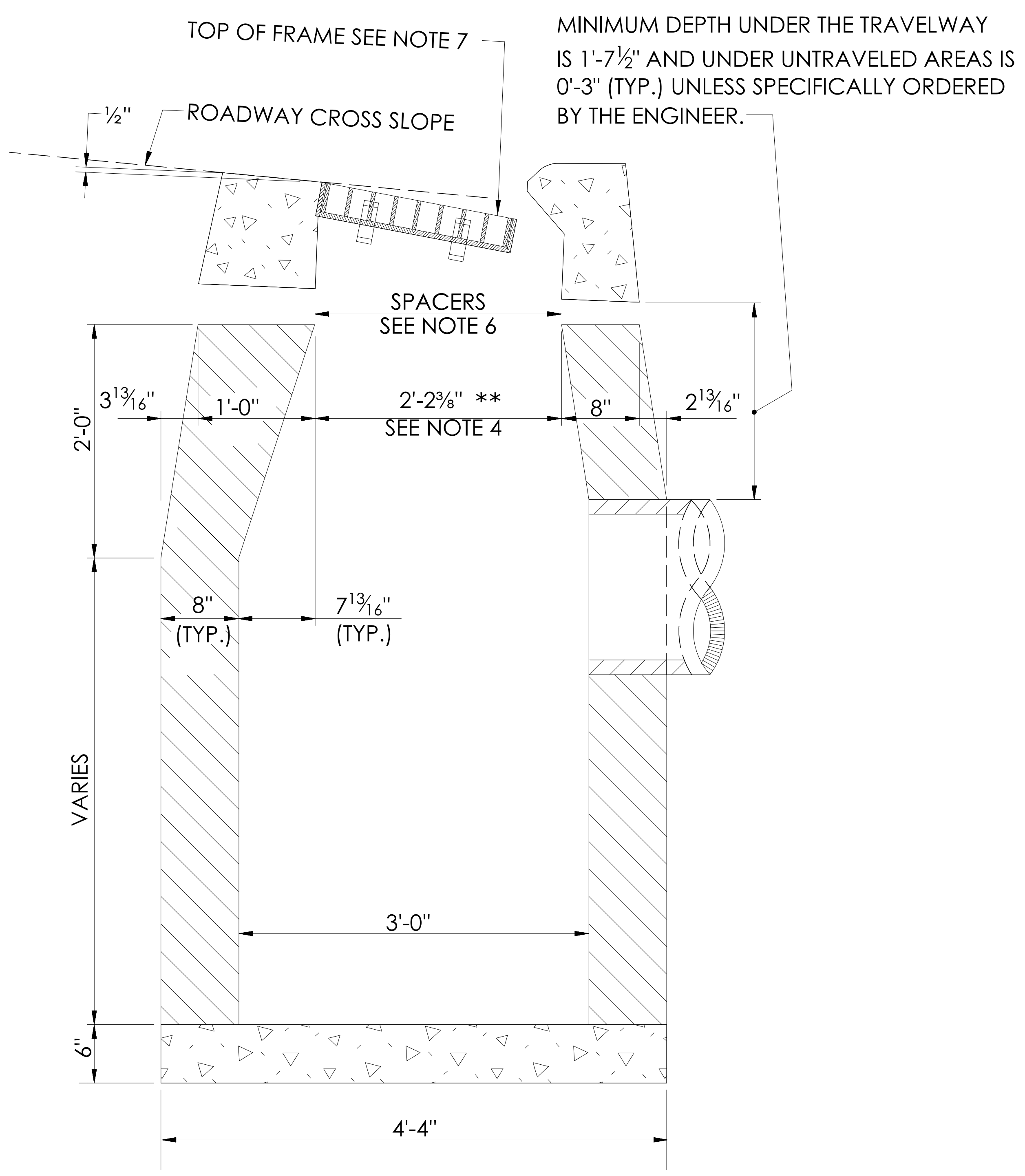
SECTION B

TYPE "C-L" CATCH BASIN



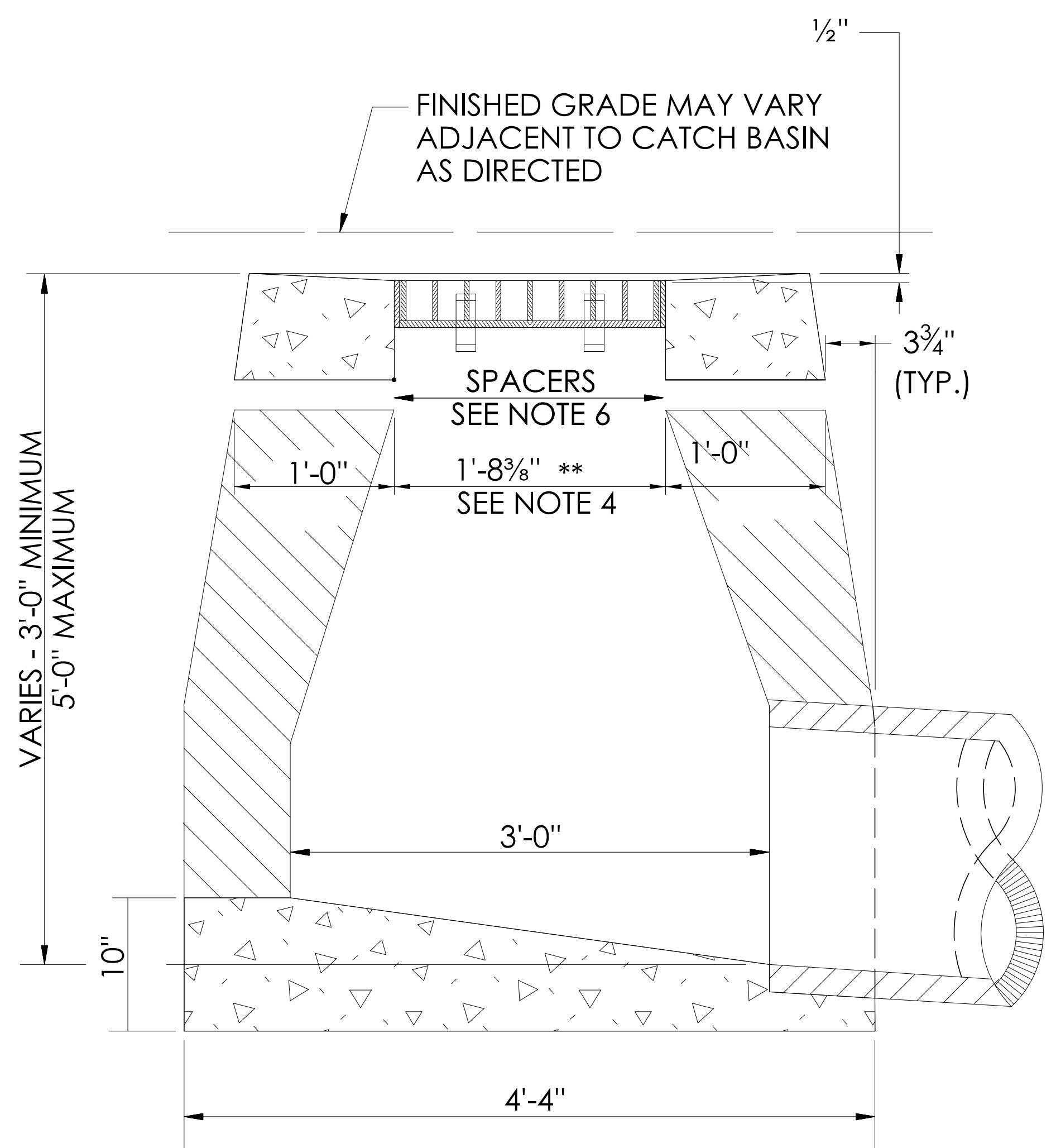
SECTION A

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



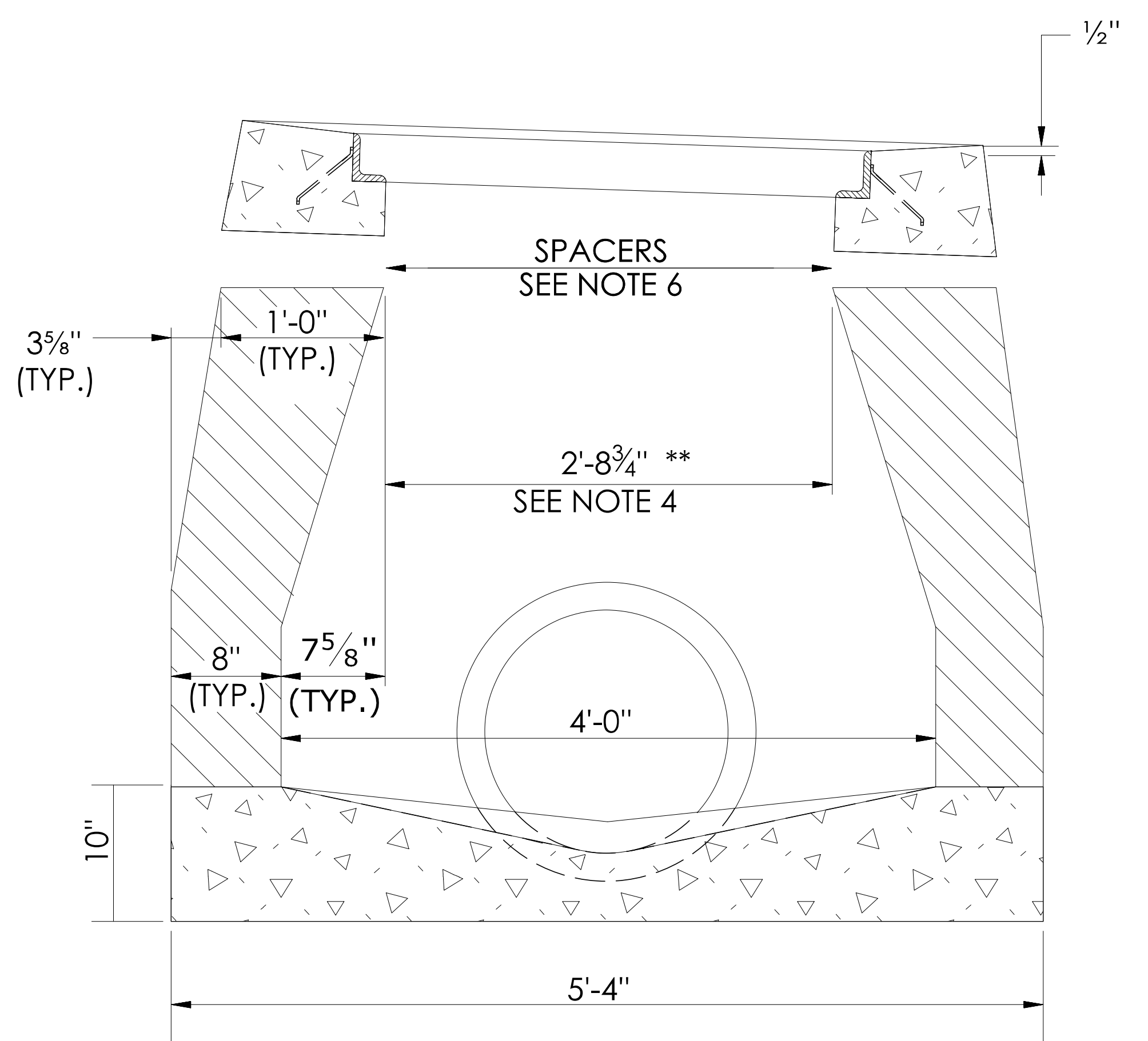
SECTION B

TYPE "C" CATCH BASIN


½"
FINISHED GRADE MAY VARY ADJACENT TO CATCH BASIN AS DIRECTED
3¾" (TYP.)
SPACERS SEE NOTE 6
1'-0"
1'-8⅜" ** SEE NOTE 4
1'-0"
VARIES - 3'-0" MINIMUM 5'-0" MAXIMUM
3'-0"
10"
4'-4"

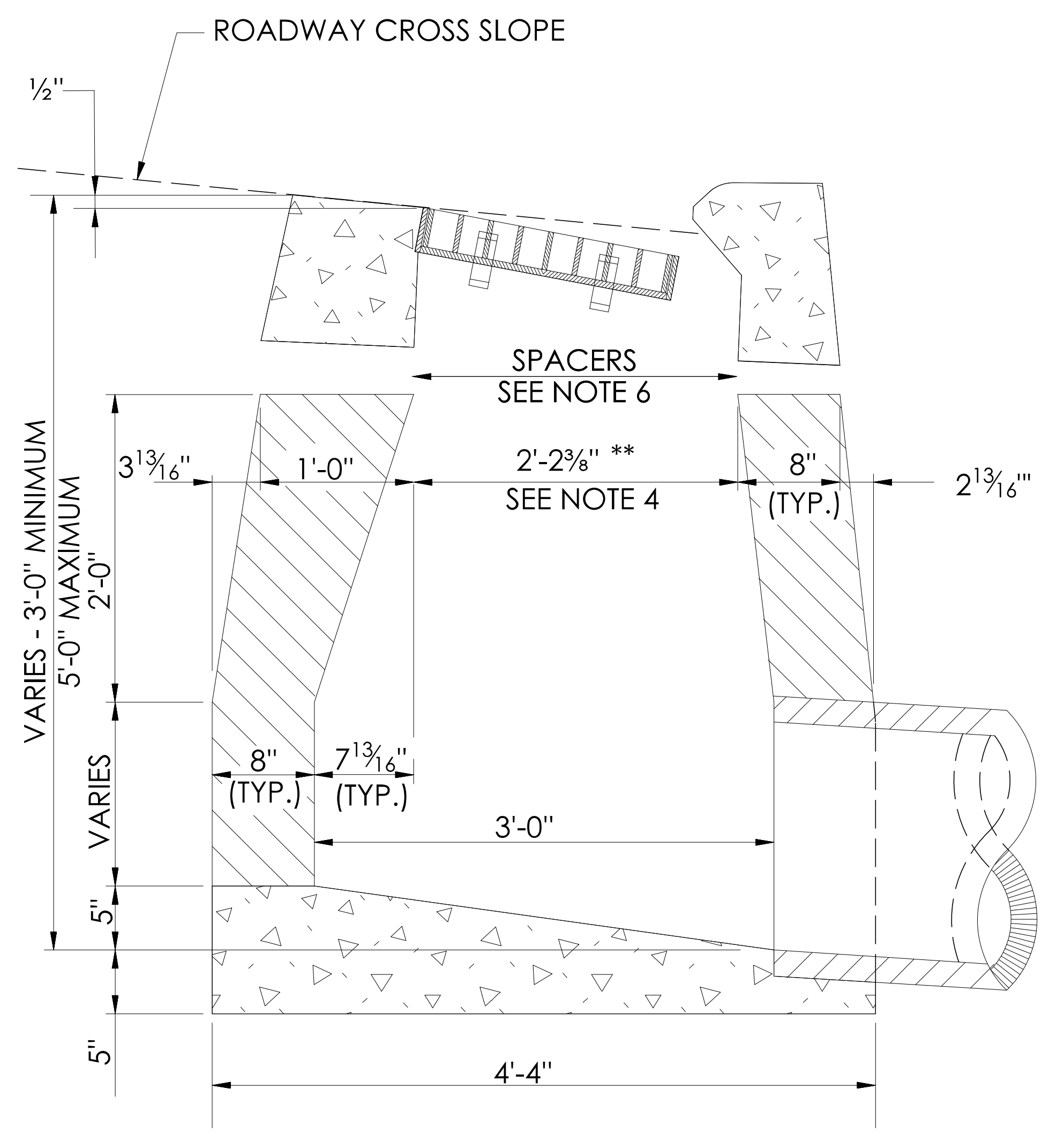
SECTION B

TYPE "C-L" DROP INLET



SECTION A

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

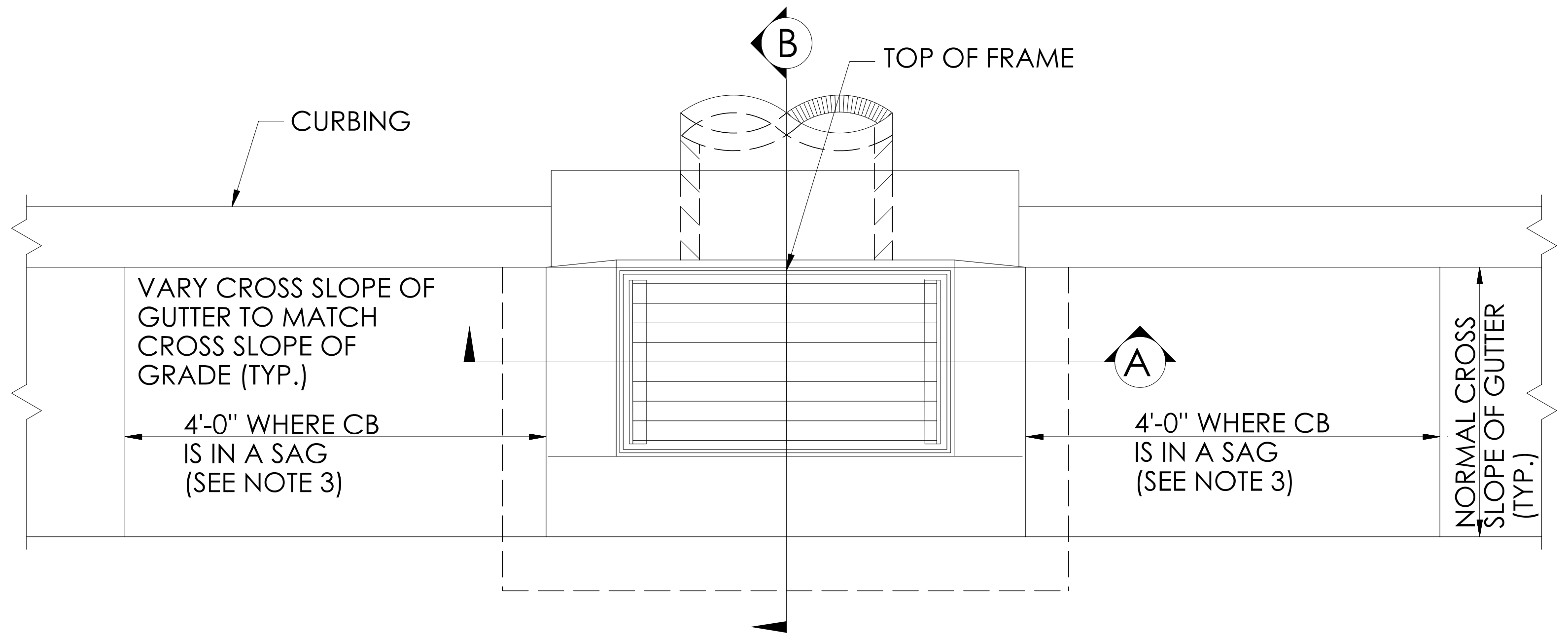


SECTION B

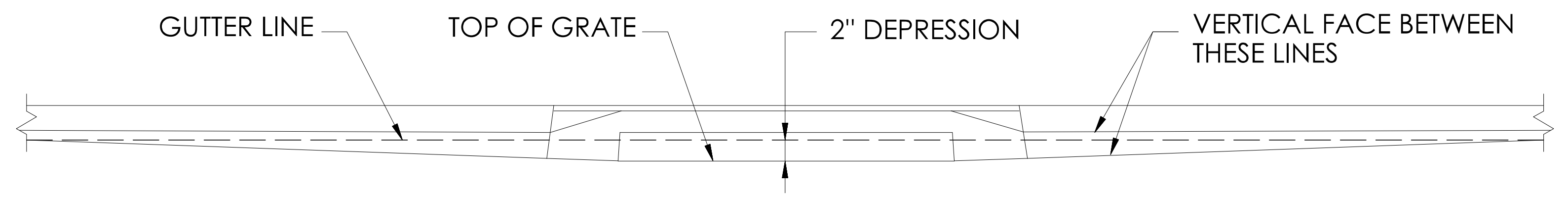
TYPE "C" DROP INLET

GENERAL NOTES:

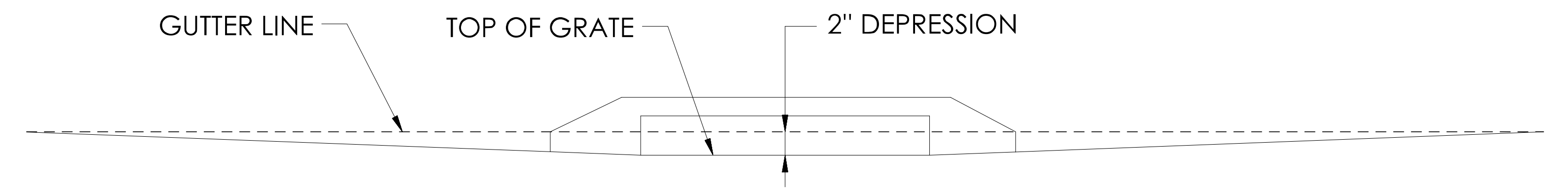
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED 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.


B
TOP OF FRAME
CURBING
VARY CROSS SLOPE OF GUTTER TO MATCH CROSS SLOPE OF GRADE (TYP.)
4'-0" WHERE CB IS IN A SAG (SEE NOTE 3)
A
4'-0" WHERE CB IS IN A SAG (SEE NOTE 3)
NORMAL CROSS SLOPE OF GUTTER (TYP.)

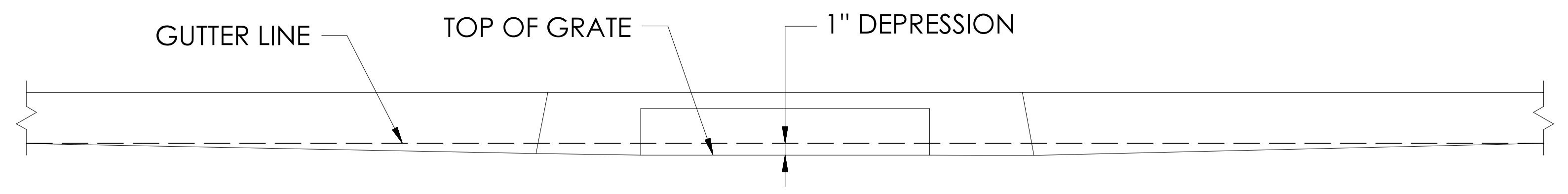
PLAN



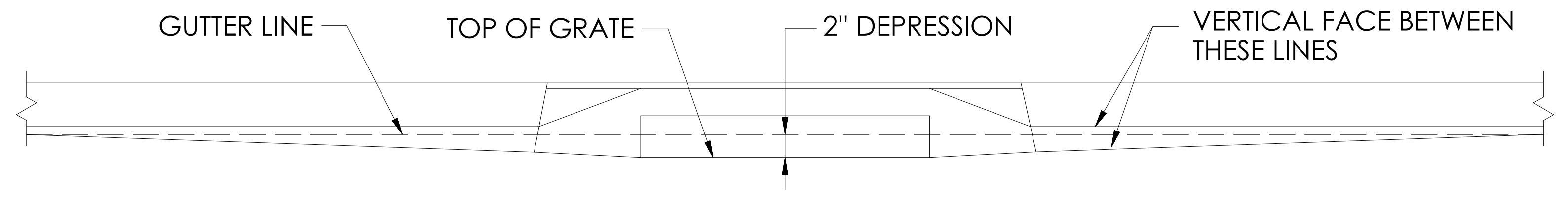
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



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

NOT TO SCALE

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

SUBMITTED BY:
Digitally signed by Leo Fontaine, P.E.
Date: 2023.12.28 14:48:05-05'00'

APPROVED BY:
Michael N. Calabrese
Michael N. Calabrese, P.E.
2024.01.04 21:56:24-05'00'

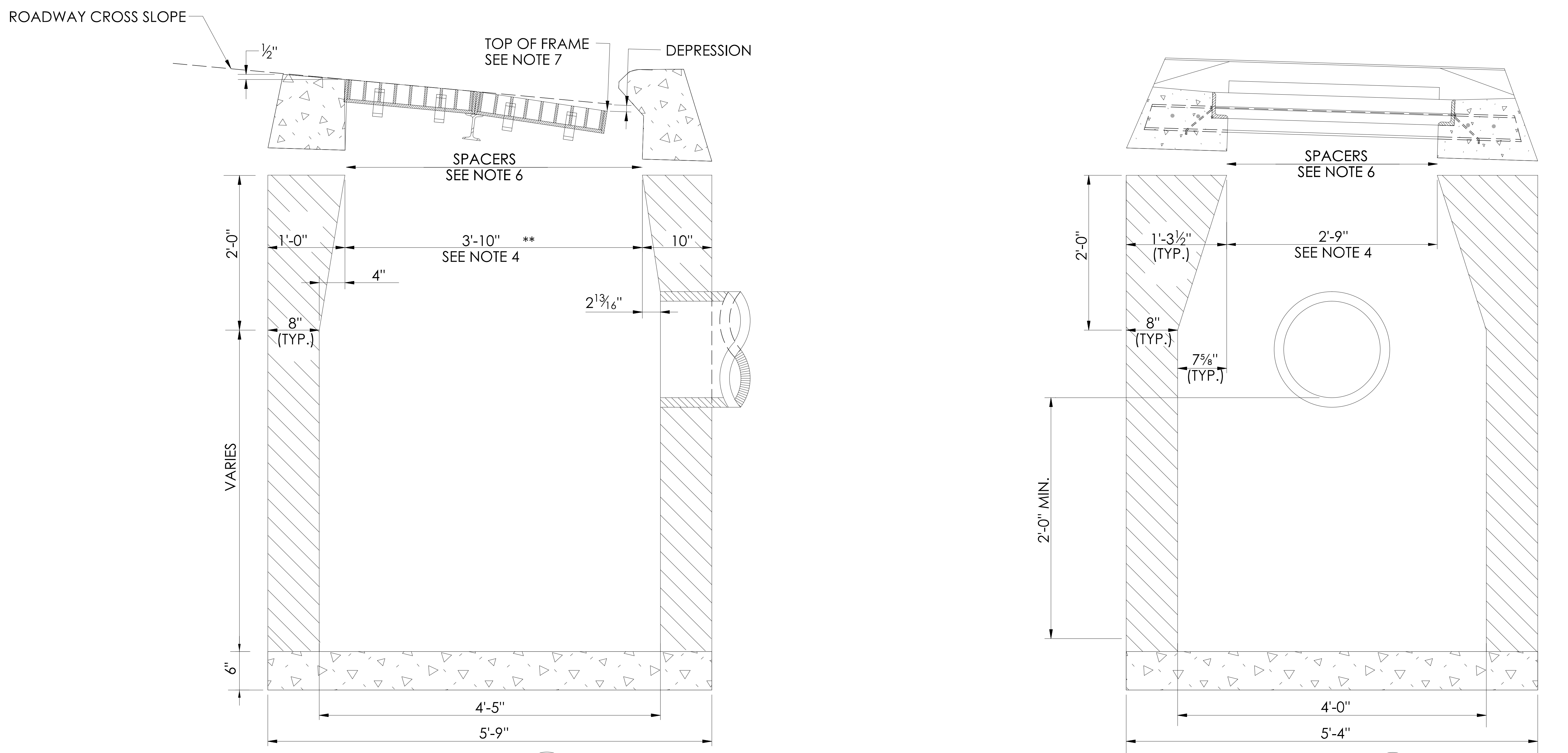
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" STRUCTURES

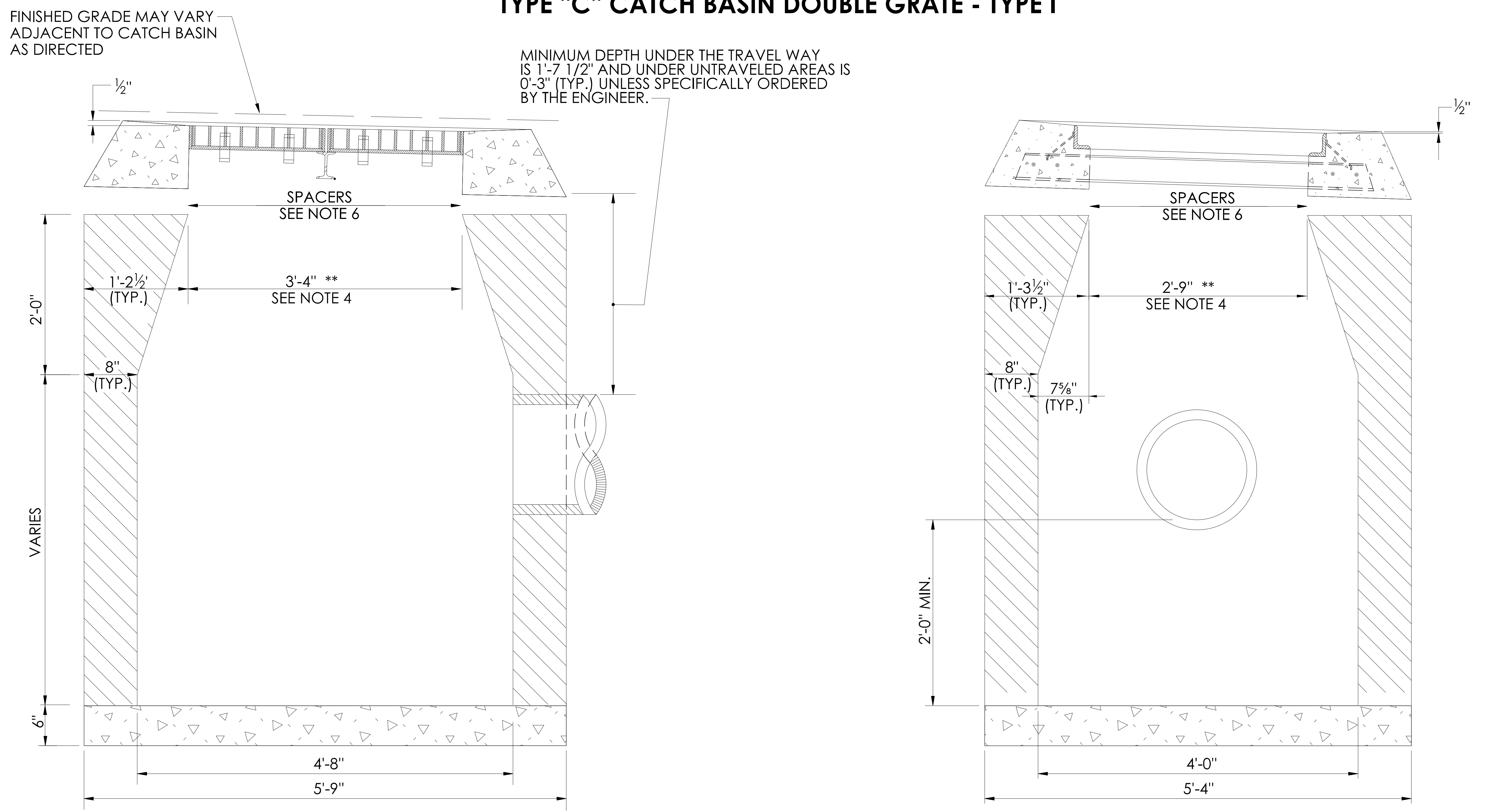
STANDARD SHEET NO.:
HW- 586_01

PLOTTED DATE: 12/28/2023



SECTION B **SECTION A**

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I

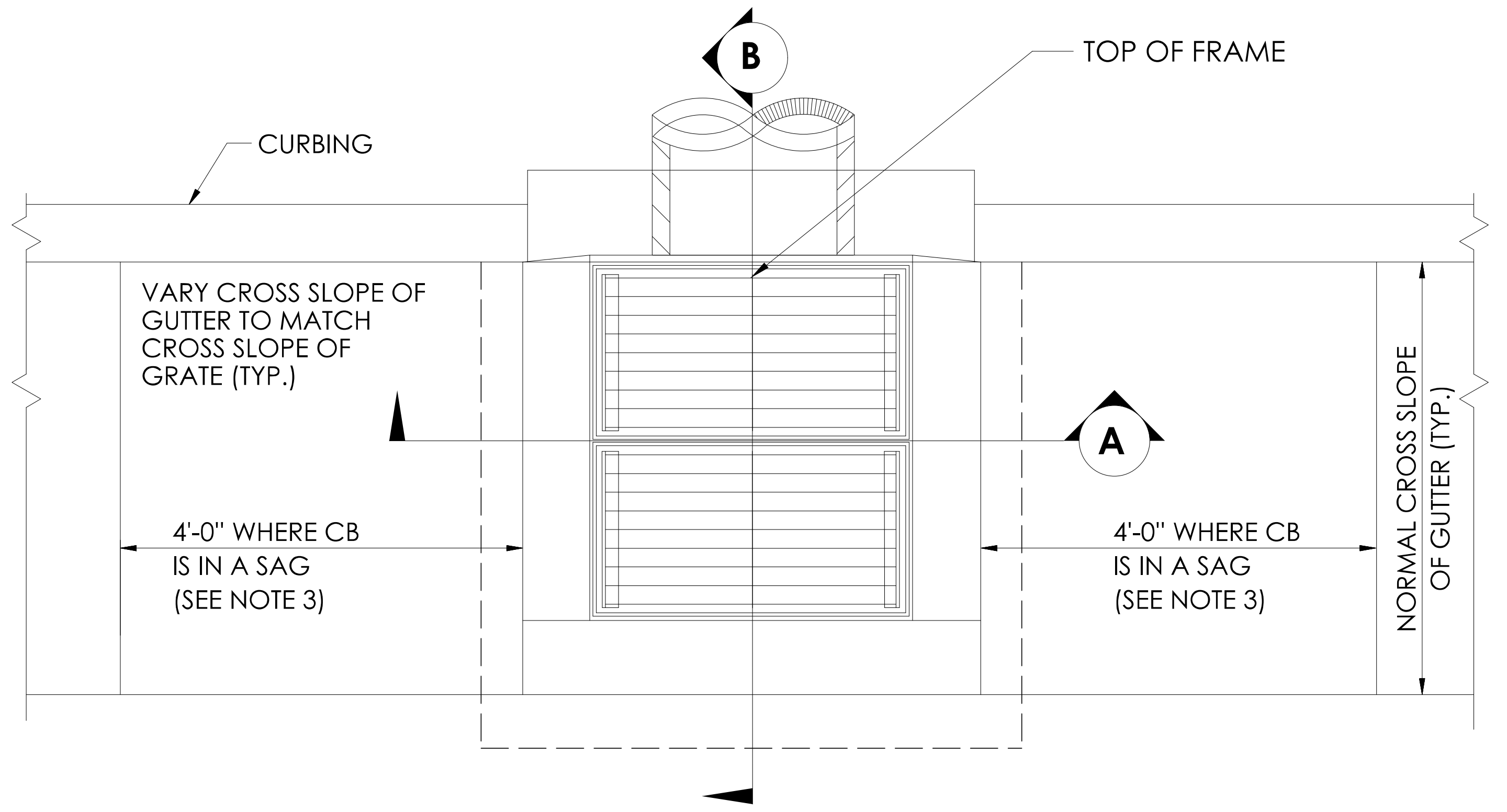


SECTION B **SECTION A**

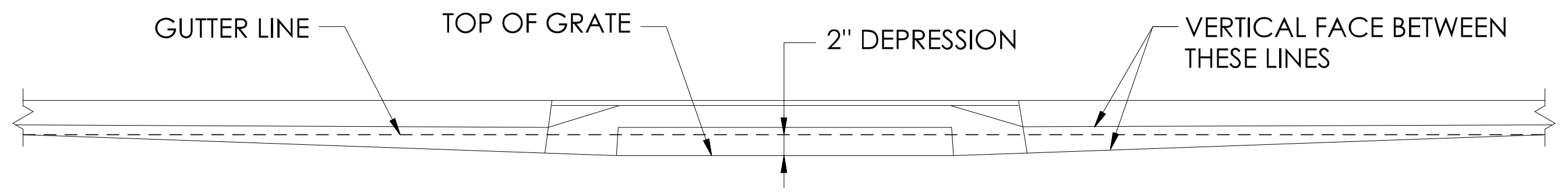
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I

GENERAL NOTES:

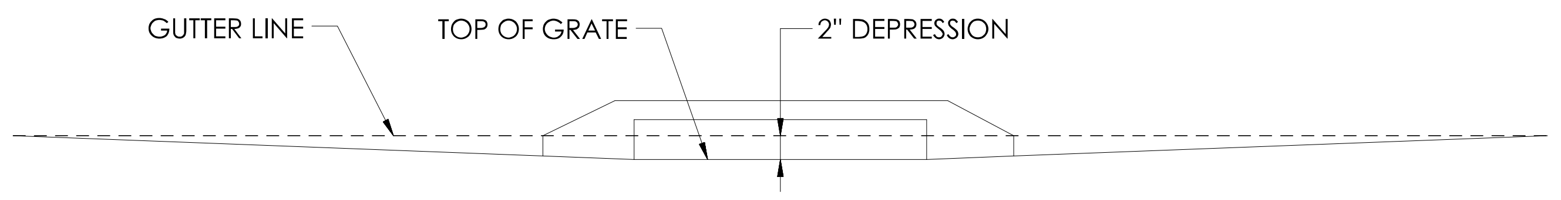
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF THE STRUCTURE IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON THE UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE AS DIRECTED BY THE ENGINEER.
4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS BY **.
5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSIONS 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 THE GRATE AT THE GUTTER LINE.



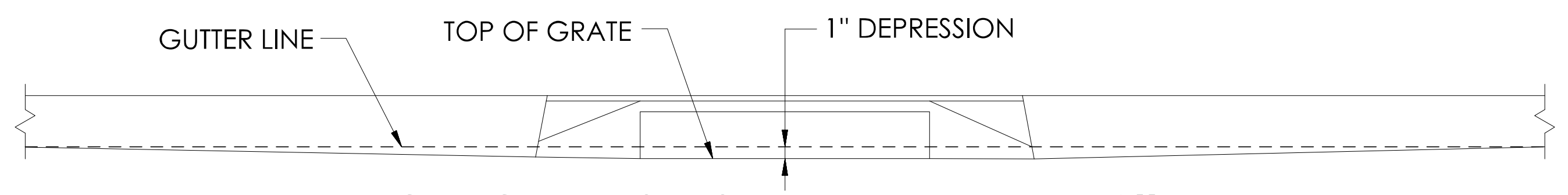
PLAN



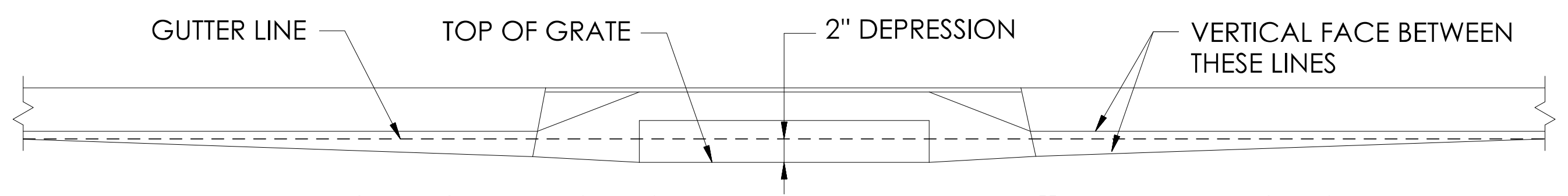
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



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

NOT TO SCALE

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

SUBMITTED BY:
Digitally signed by
Leo Fontaine, P.E.
Date: 2023.12.28
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Michael N.
Calabrese, P.E.
2024.01.04
21:56:52-05'00'

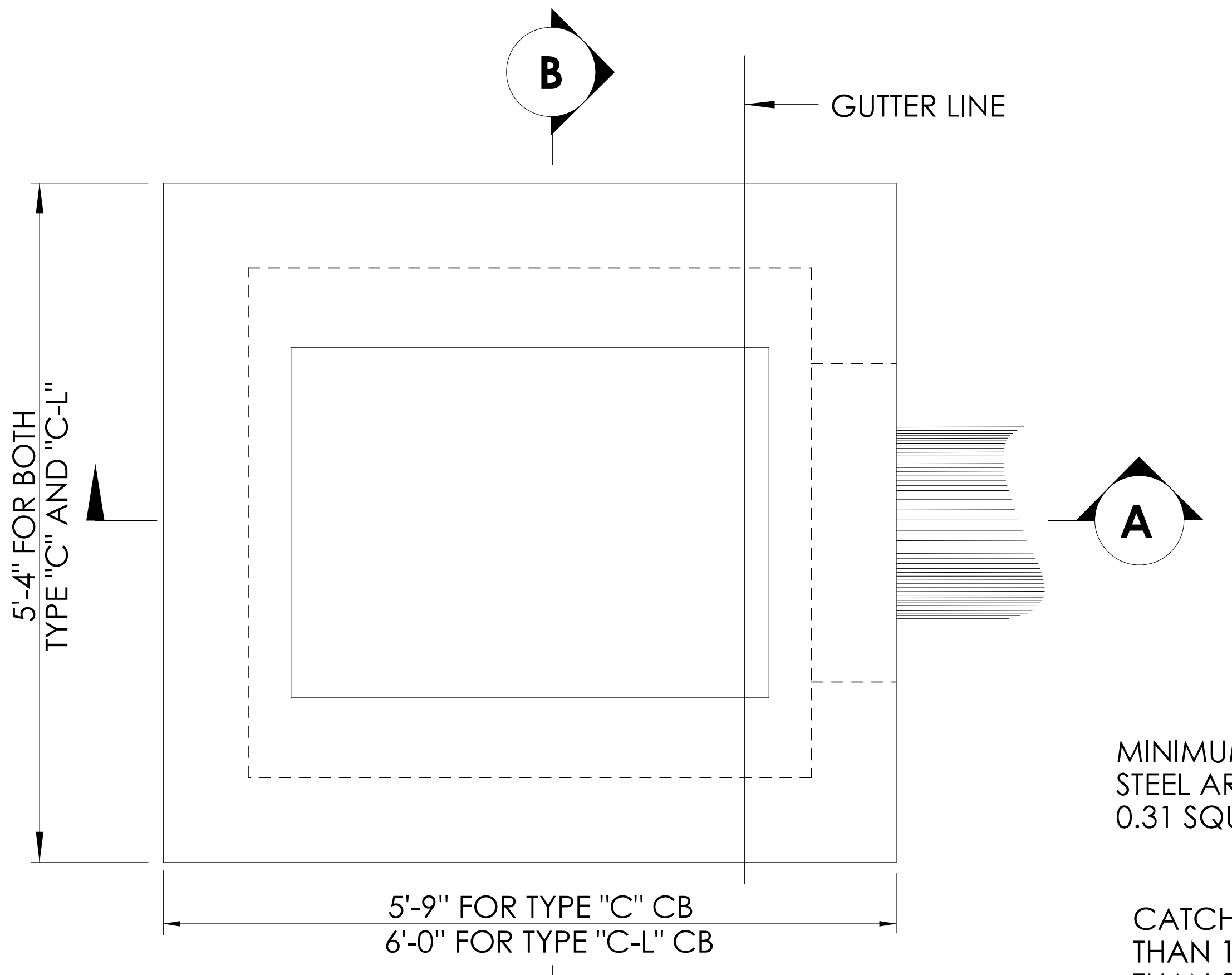
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

CTDOT
STANDARD SHEET

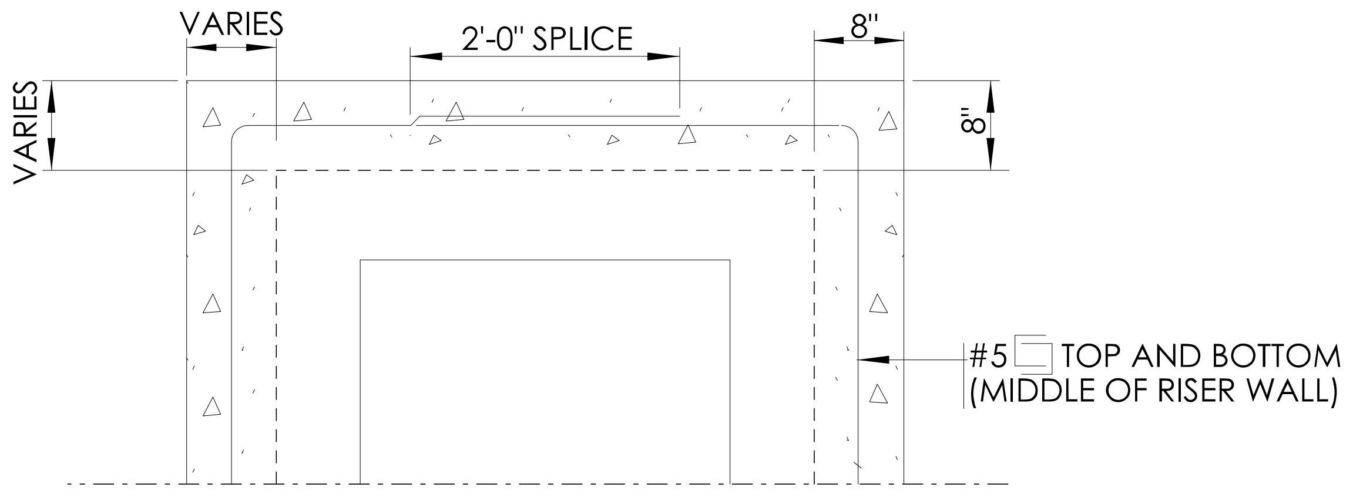
STANDARD SHEET TITLE:
CATCH BASIN (TYPES "C" and "C-L")
FOR DOUBLE GRATE TYPE I STRUCTURES

STANDARD SHEET NO.:
HW-586_02

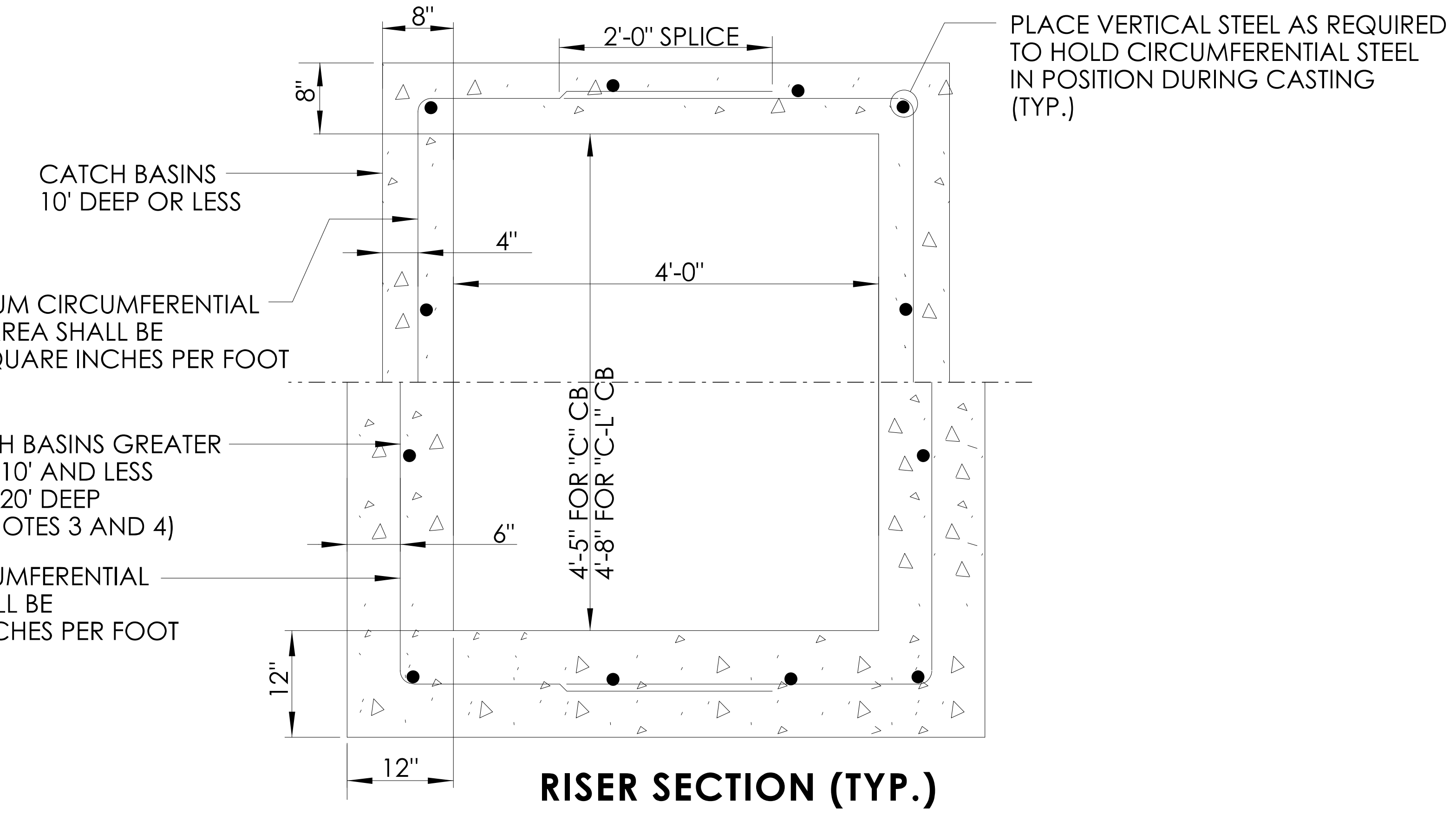
PLOTTED DATE: 12/28/2023



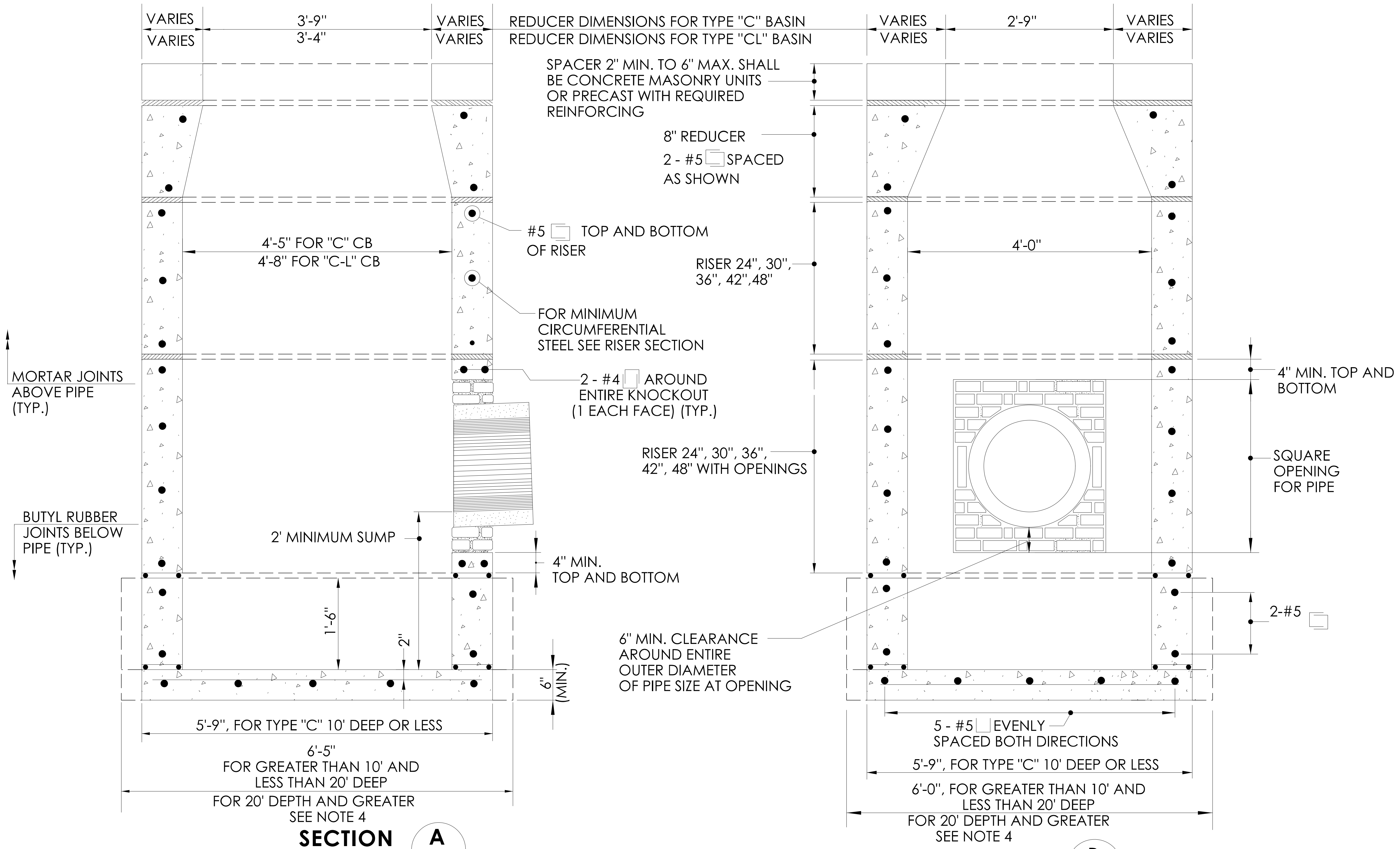
PLAN



HALF REDUCER SECTION (TYP.)


8"
2'-0" SPLICE
PLACE VERTICAL STEEL AS REQUIRED TO HOLD CIRCUMFERENTIAL STEEL IN POSITION DURING CASTING (TYP.)
8"
CATCH BASINS 10' DEEP OR LESS
4"
4'-0"
MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.31 SQUARE INCHES PER FOOT
4'-5" FOR "C" CB
4'-8" FOR "C-L" CB
CATCH BASINS GREATER THAN 10' AND LESS THAN 20' DEEP (SEE NOTES 3 AND 4)
6"
MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.31 SQUARE INCHES PER FOOT
12"
12"

RISER SECTION (TYP.)


VARIES
VARIES
3'-9"
3'-4"
VARIES
VARIES
REDUCER DIMENSIONS FOR TYPE "C" BASIN
REDUCER DIMENSIONS FOR TYPE "CL" BASIN
VARIES
VARIES
2'-9"
VARIES
VARIES
SPACER 2" MIN. TO 6" MAX. SHALL BE CONCRETE MASONRY UNITS OR PRECAST WITH REQUIRED REINFORCING
8" REDUCER
2 - #5 SPACED AS SHOWN
#5 TOP AND BOTTOM OF RISER
4'-5" FOR "C" CB
4'-8" FOR "C-L" CB
RISER 24", 30", 36", 42",48"
4'-0"
FOR MINIMUM CIRCUMFERENTIAL STEEL SEE RISER SECTION
MORTAR JOINTS ABOVE PIPE (TYP.)
2 - #4 AROUND ENTIRE KNOCKOUT (1 EACH FACE) (TYP.)
4" MIN. TOP AND BOTTOM
RISER 24", 30", 36", 42", 48" WITH OPENINGS
SQUARE OPENING FOR PIPE
BUTYL RUBBER JOINTS BELOW PIPE (TYP.)
2' MINIMUM SUMP
4" MIN. TOP AND BOTTOM
1'-6"
2"
6" (MIN.)
6" MIN. CLEARANCE AROUND ENTIRE OUTER DIAMETER OF PIPE SIZE AT OPENING
2-#5
5 - #5 EVENLY SPACED BOTH DIRECTIONS
5'-9", FOR TYPE "C" 10' DEEP OR LESS
6'-5" FOR GREATER THAN 10' AND LESS THAN 20' DEEP
FOR 20' DEPTH AND GREATER SEE NOTE 4
5'-9", FOR TYPE "C" 10' DEEP OR LESS
6'-0", FOR GREATER THAN 10' AND LESS THAN 20' DEEP
FOR 20' DEPTH AND GREATER SEE NOTE 4

SECTION A

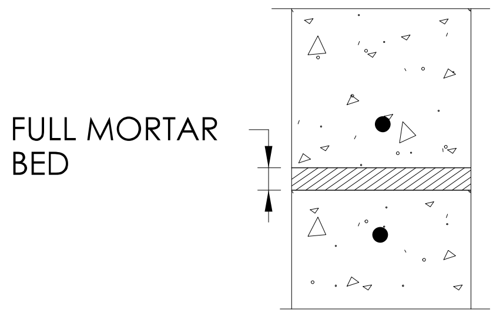
SECTION B

PRECAST CONCRETE TYPE "C" AND "C-L" DOUBLE GRATE TYPE I CATCH BASIN

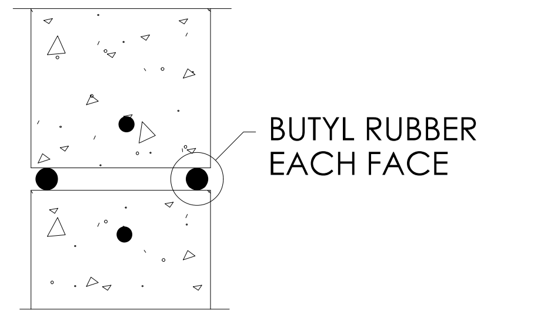
(UNDER 10' DEEP SHOWN)

GENERAL NOTES:

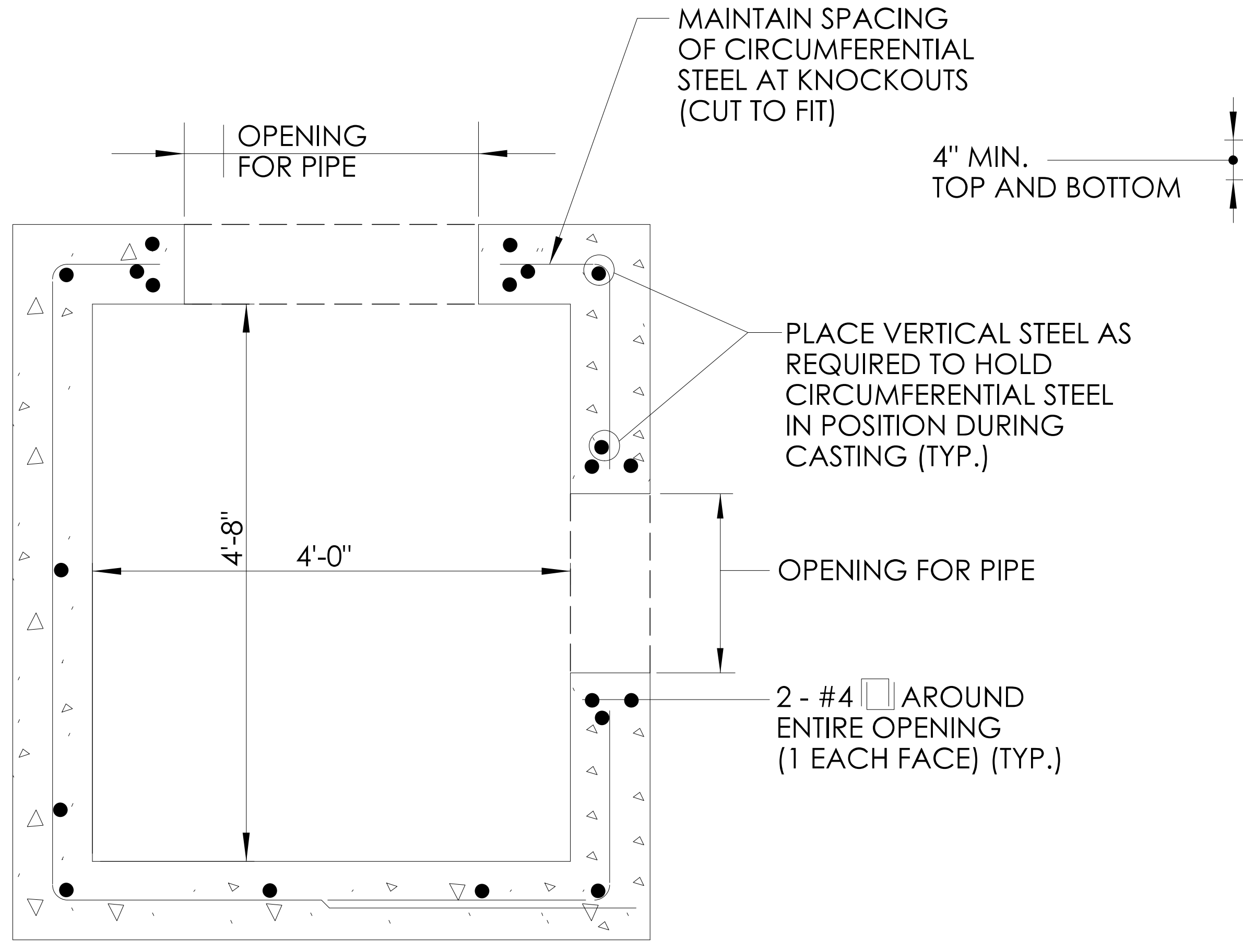
1. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
2. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2 INCHES, EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1½ INCHES.
3. WALL THICKNESS OF ALL CATCH BASINS OVER 10 FEET DEEP SHALL BE INCREASED TO 12 INCHES. INSIDE DIMENSIONS SHALL REMAIN THE SAME. THE 12 INCH THICKNESS SHALL START AFTER THE FIRST 10 FEET.
4. BASES AND RISERS AT A DEPTH OF 20 FEET AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
5. RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS SHALL BE PROVIDED. RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.
6. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. ROUND STRUCTURES SHALL BE USED WHEN PIPES CANNOT ALIGN WITH A RECTANGULAR STRUCTURE KNOCK OUT.
7. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.



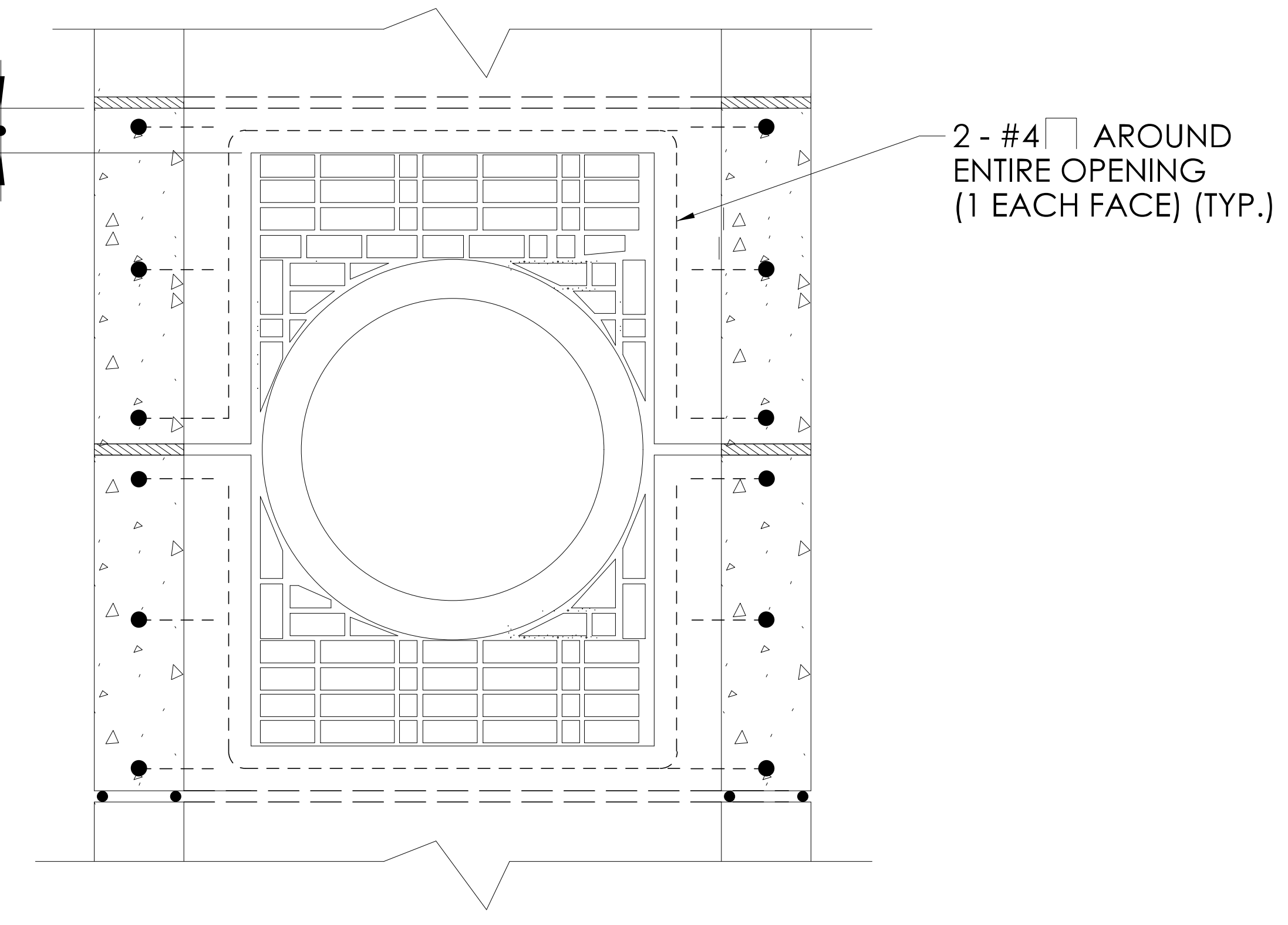
MORTAR JOINT



BUTYL RUBBER JOINT


OPENING FOR PIPE
MAINTAIN SPACING OF CIRCUMFERENTIAL STEEL AT KNOCKOUTS (CUT TO FIT)
PLACE VERTICAL STEEL AS REQUIRED TO HOLD CIRCUMFERENTIAL STEEL IN POSITION DURING CASTING (TYP.)
4'-8"
4'-0"
OPENING FOR PIPE
2 - #4 AROUND ENTIRE OPENING (1 EACH FACE) (TYP.)

TYPICAL SECTION THRU SINGLE RISER WITH OPENING



DOUBLE RISER OPENING (TYP.)
PIPES GREATER THAN 24" OUTSIDE DIAMETER

NOT TO SCALE

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

Digitally signed by
Leo Fontaine, P.E.
Date: 2024.08.16
11:07:54-04'00'

APPROVED BY:

Michael N. Calabrese
Digitally signed
by Michael N.
Calabrese, P.E.
Date: 2024.10.18
11:56:58-04'00'

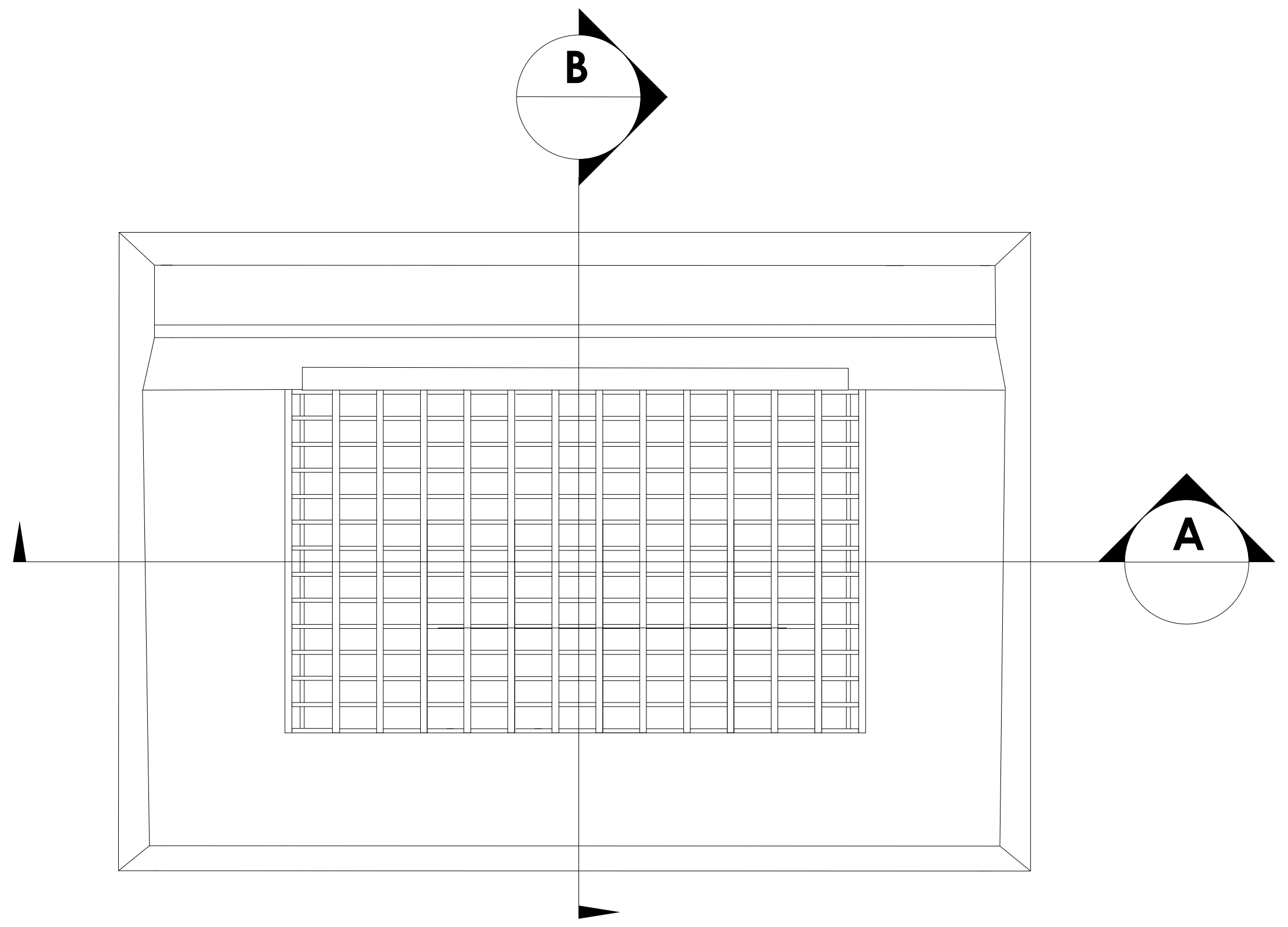
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

CTDOT
STANDARD SHEET

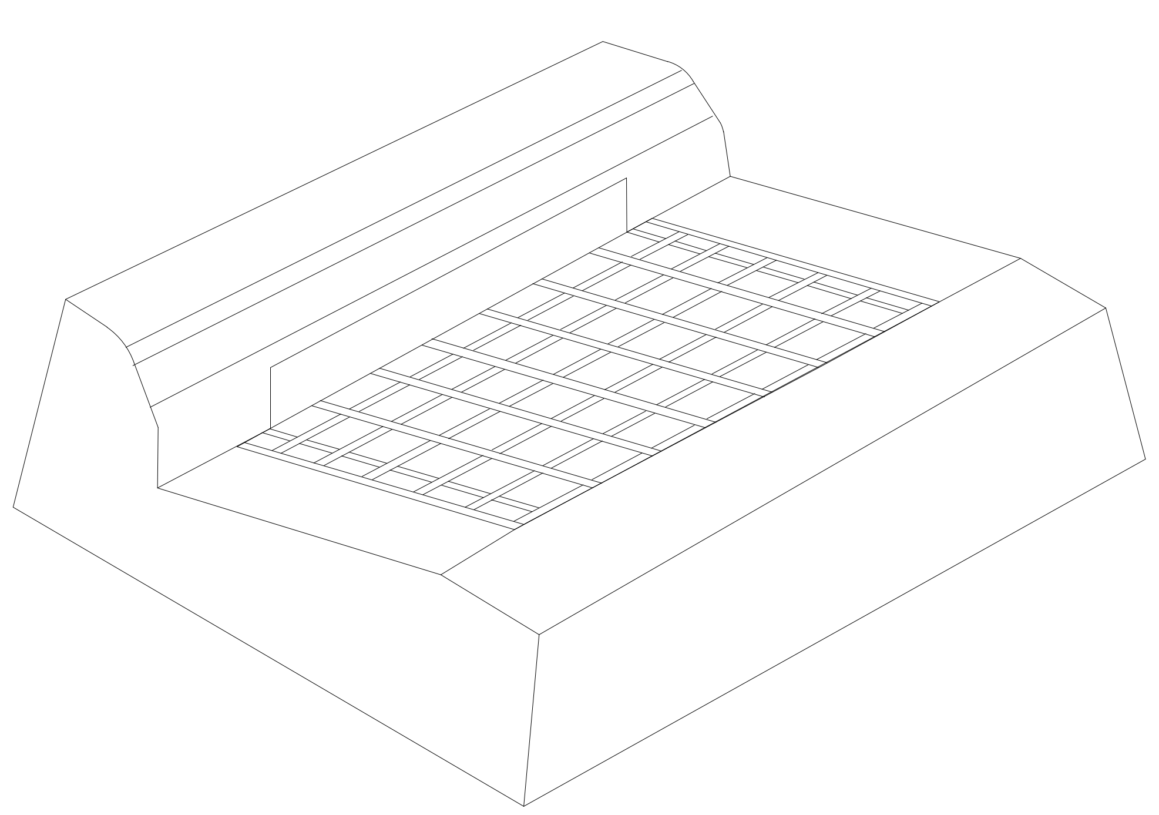
STANDARD SHEET TITLE:
PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I

STANDARD SHEET NO.:
HW- 586_05

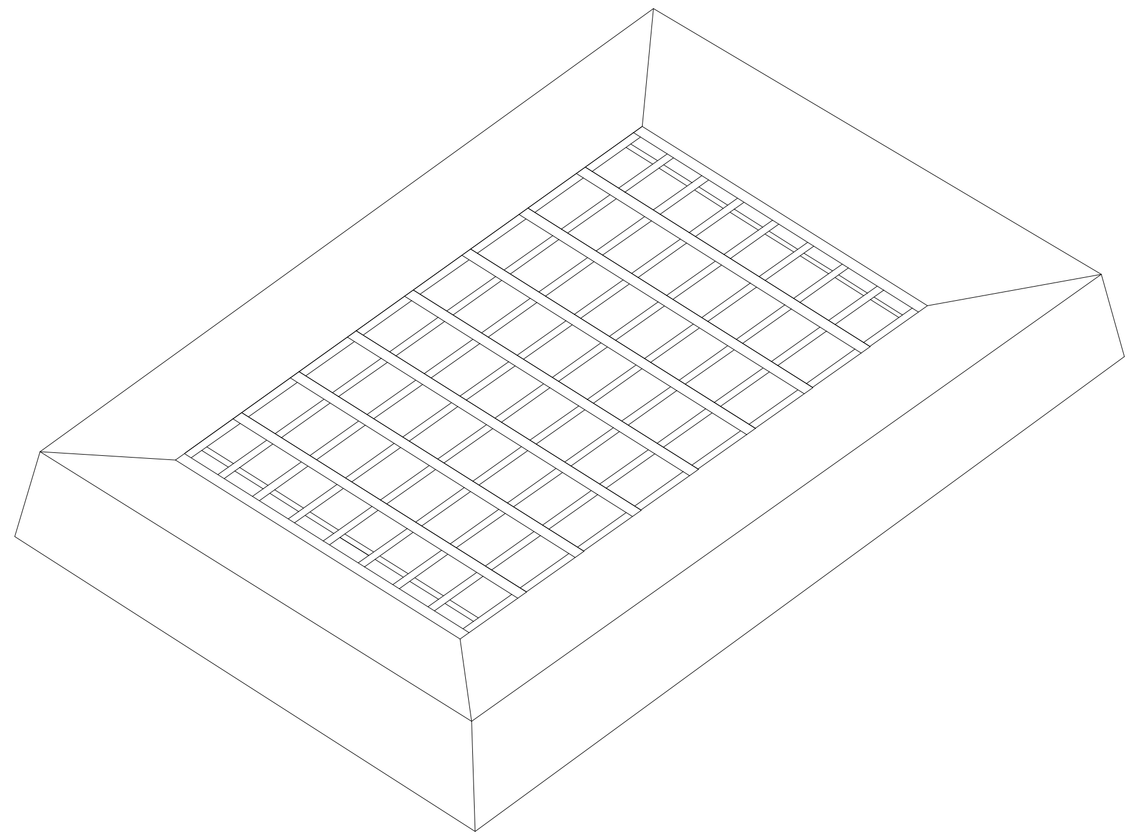
PLOTTED DATE: 8/13/2024



TYPE "C" CATCH BASIN TOP
PLAN



TYPE "C" CATCH BASIN TOP



TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

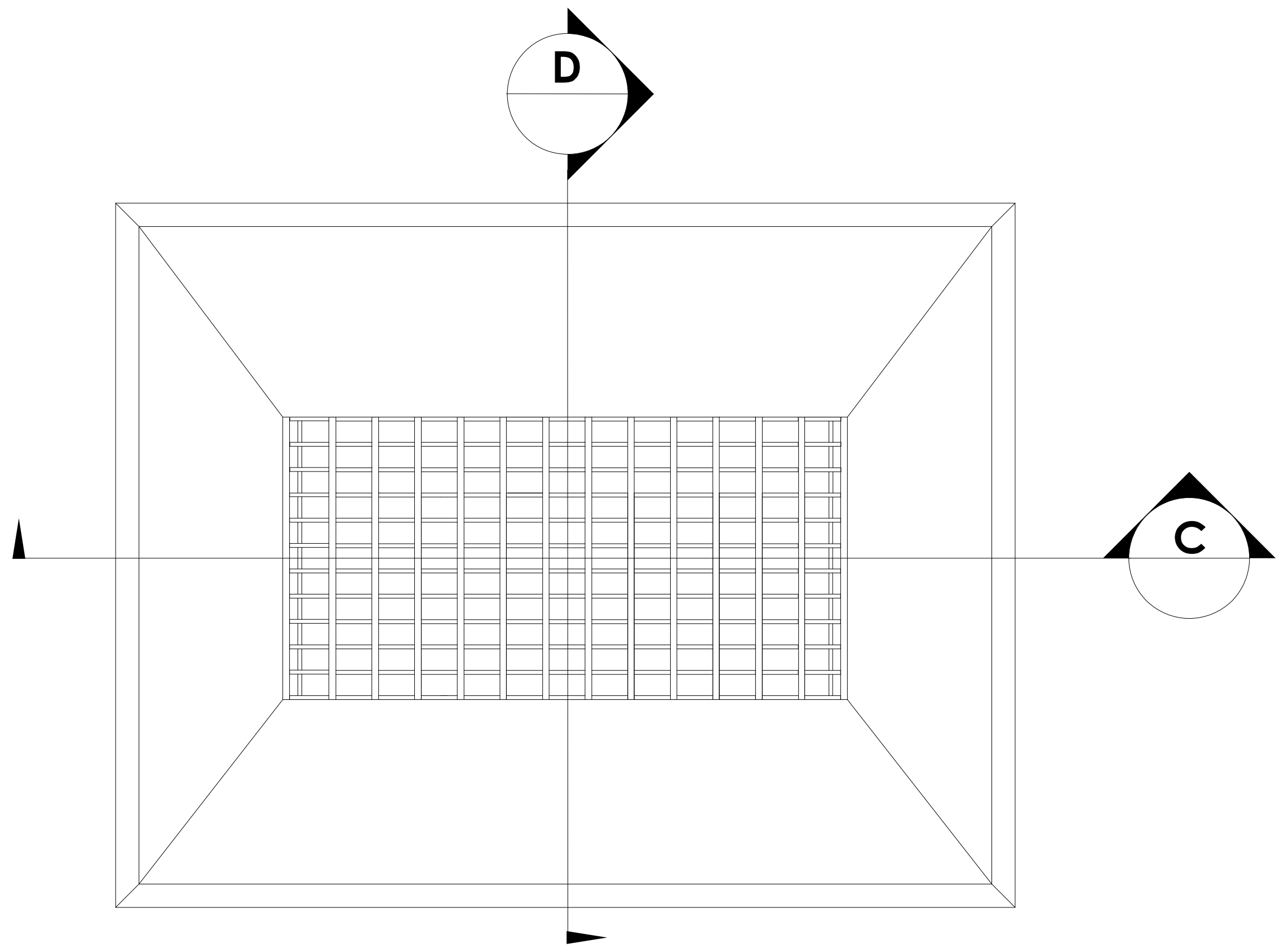
1. SEE SHEET HW-586_08, FOR CATCH BASIN FRAMES AND GRATES AND HW-586_09 FOR CATCH BASIN LOCK DOWN TOPS.

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.

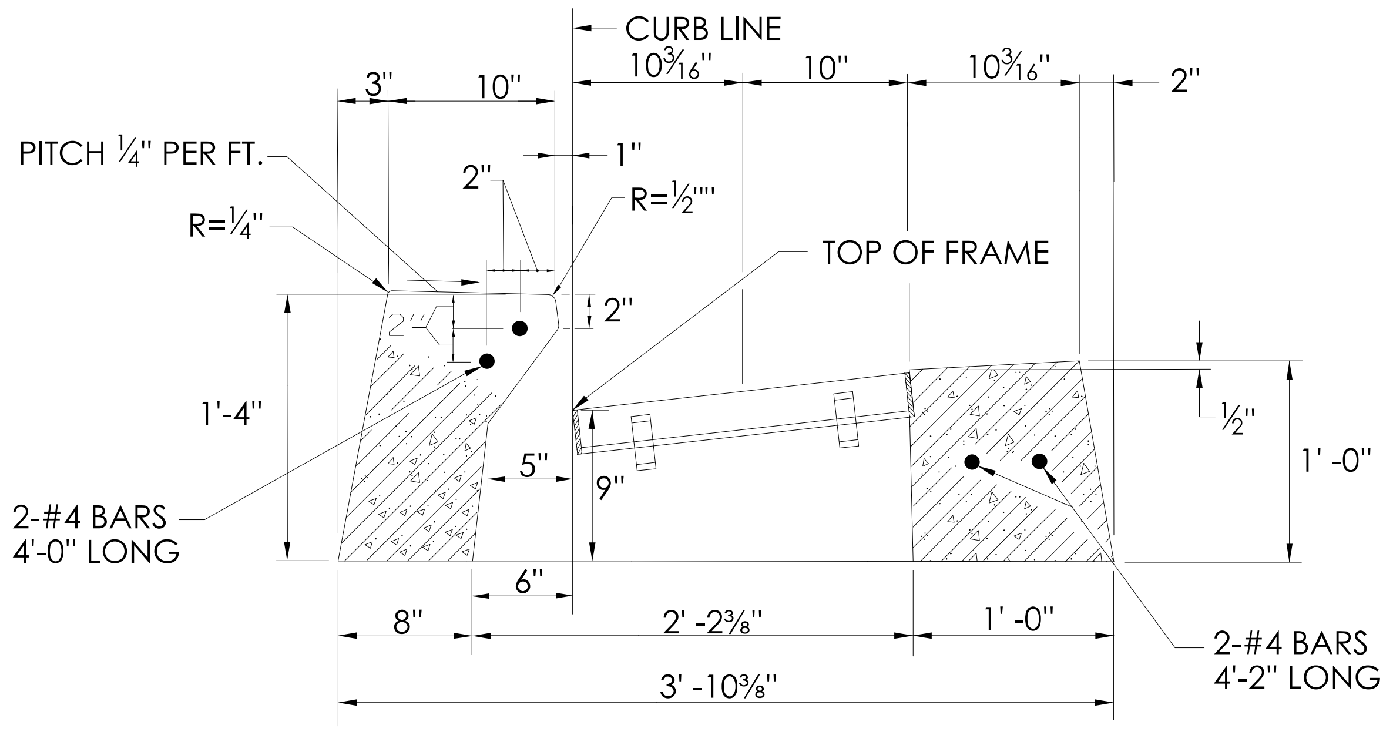
3. ALL BARS SHALL HAVE A MINIMUM 2" COVER.

4. Manufacturing Dimensional Tolerance Table

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

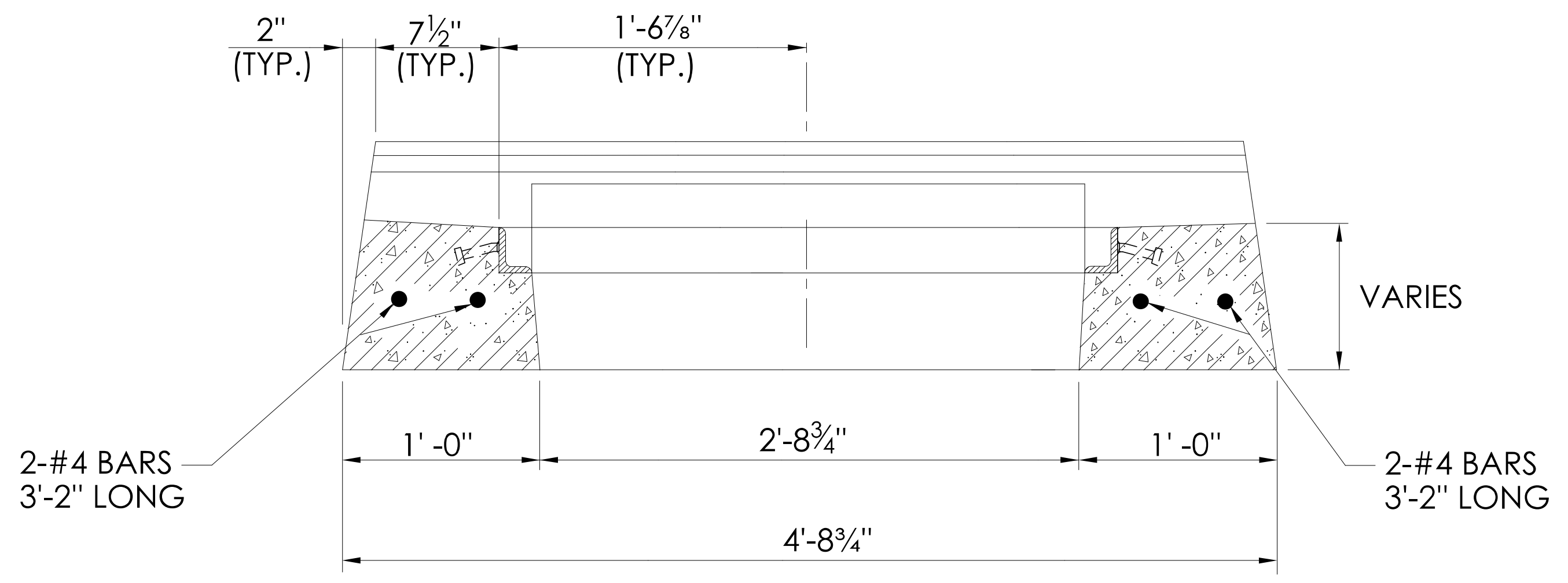


TYPE "C-L" CATCH BASIN TOP
PLAN



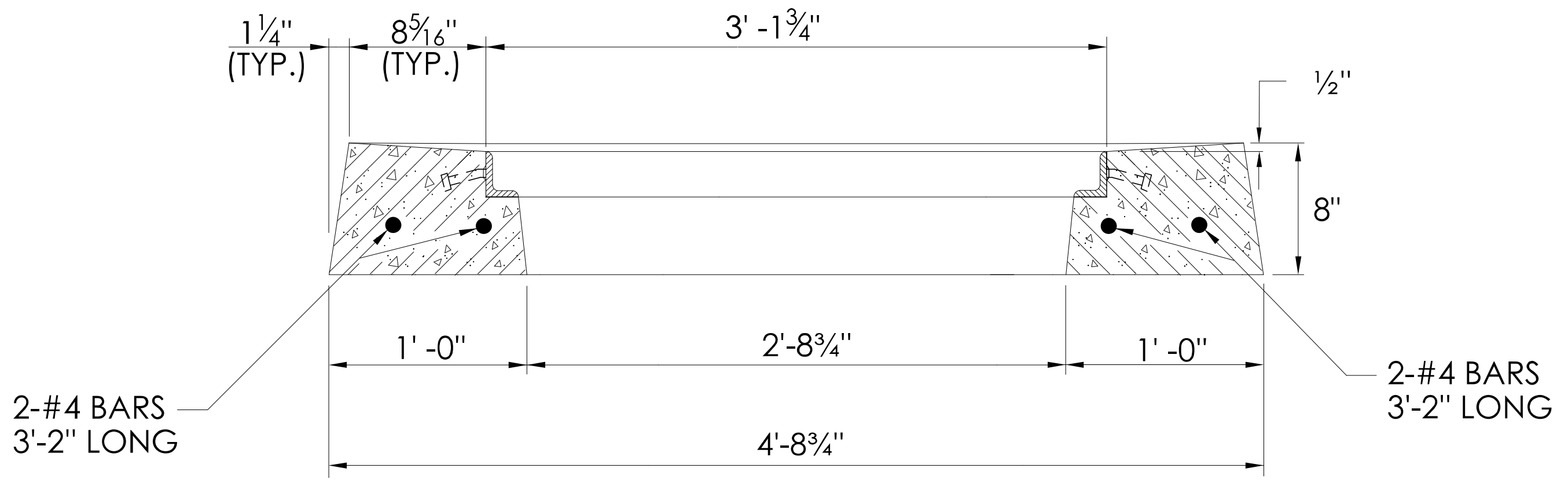
TYPE "C" CATCH BASIN TOP FOR
6" CONCRETE CURBING OR 6" STONE CURBING

SECTION B



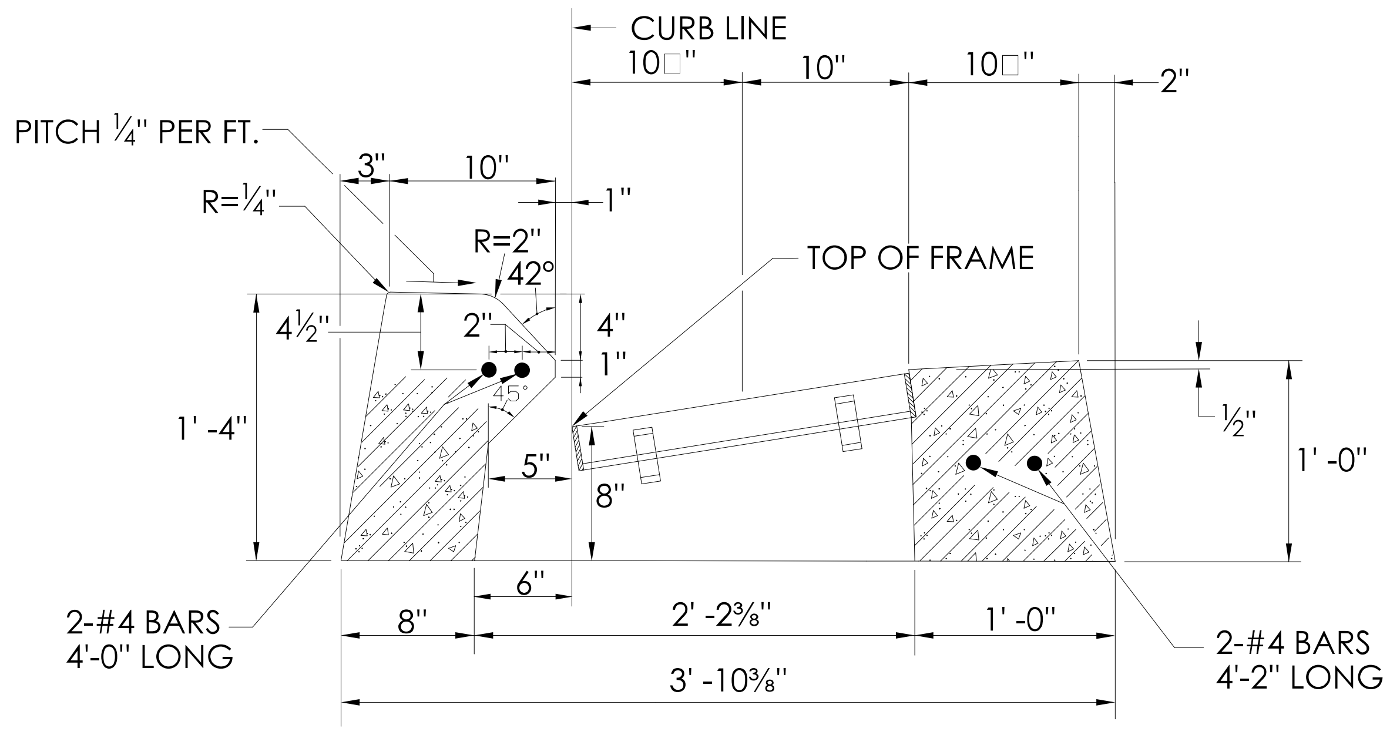
TYPE "C" CATCH BASIN TOP

SECTION A



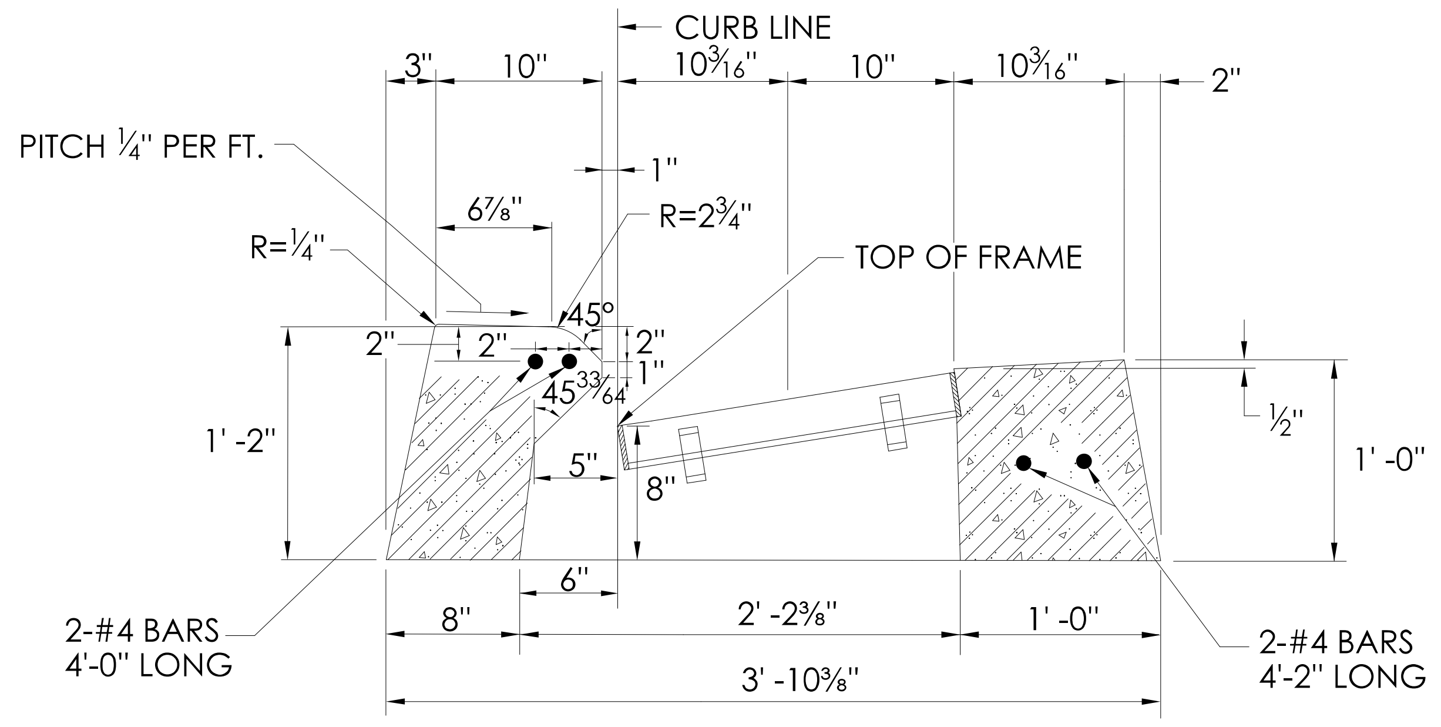
TYPE "C-L" CATCH BASIN TOP

SECTION C



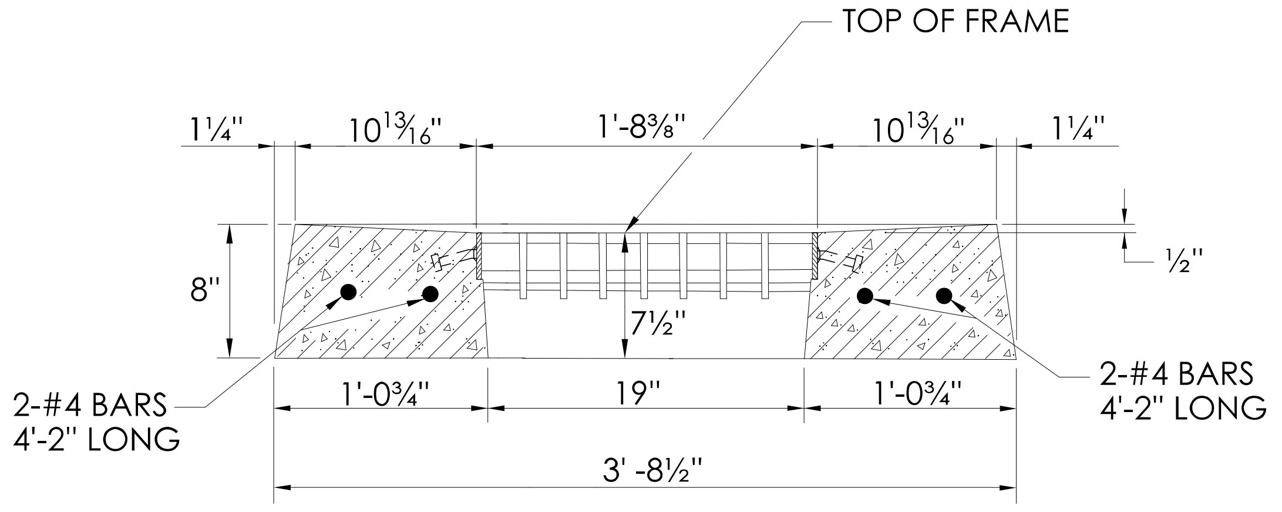
TYPE "C" CATCH BASIN TOP FOR
6" BITUMINOUS CONCRETE LIP CURBING

SECTION B



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

SECTION B



TYPE "C-L" CATCH BASIN TOP

SECTION D

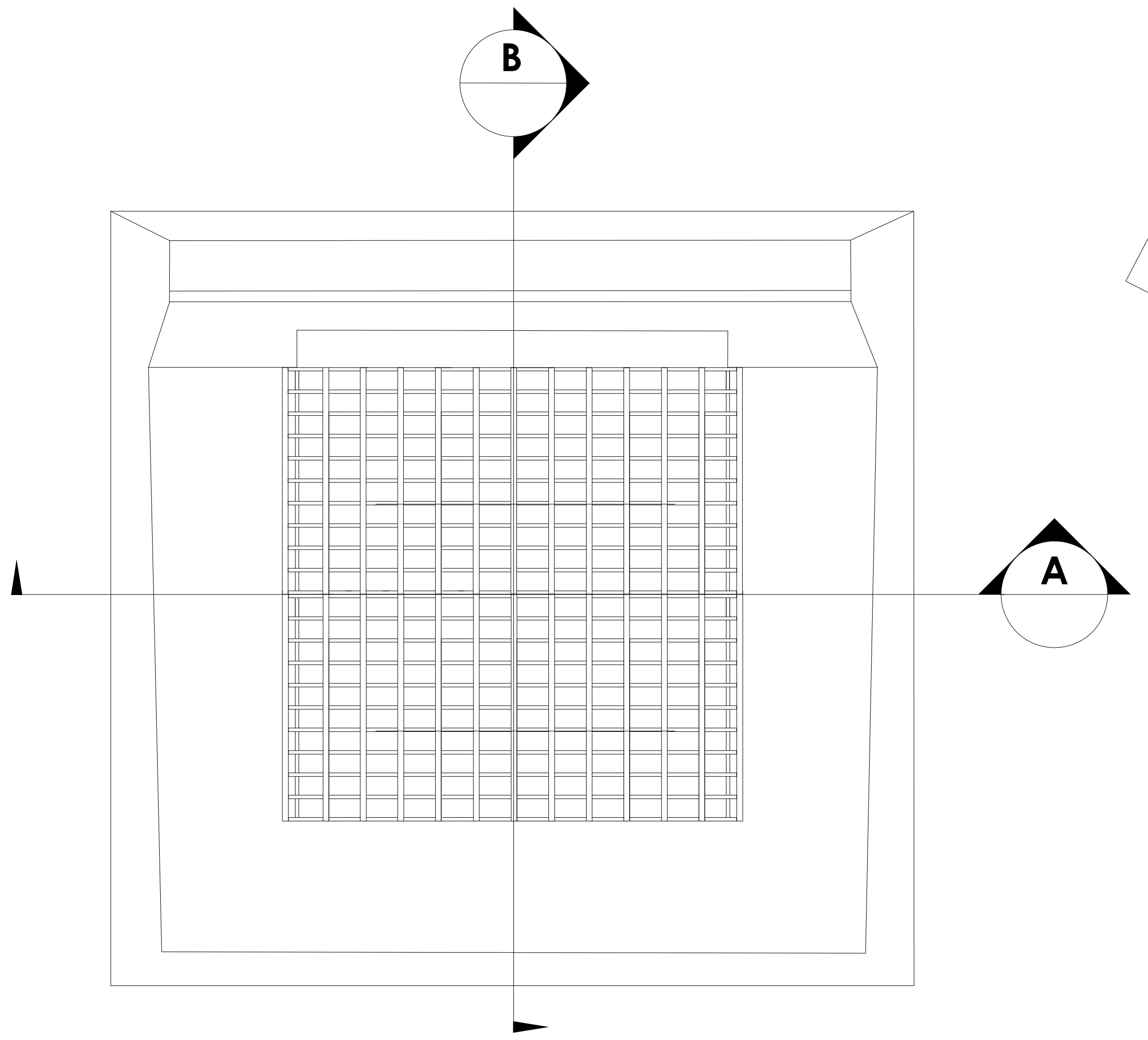
NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2023.12.28 14:26:18-05'00'	APPROVED BY: Michael N. Calabrese, P.E. 2024.01.04 22:00:22-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN TYPE "C" AND "C-L" TOPS	STANDARD SHEET NO.: HW- 586_07a	

PLOTTED DATE: 12/28/2023

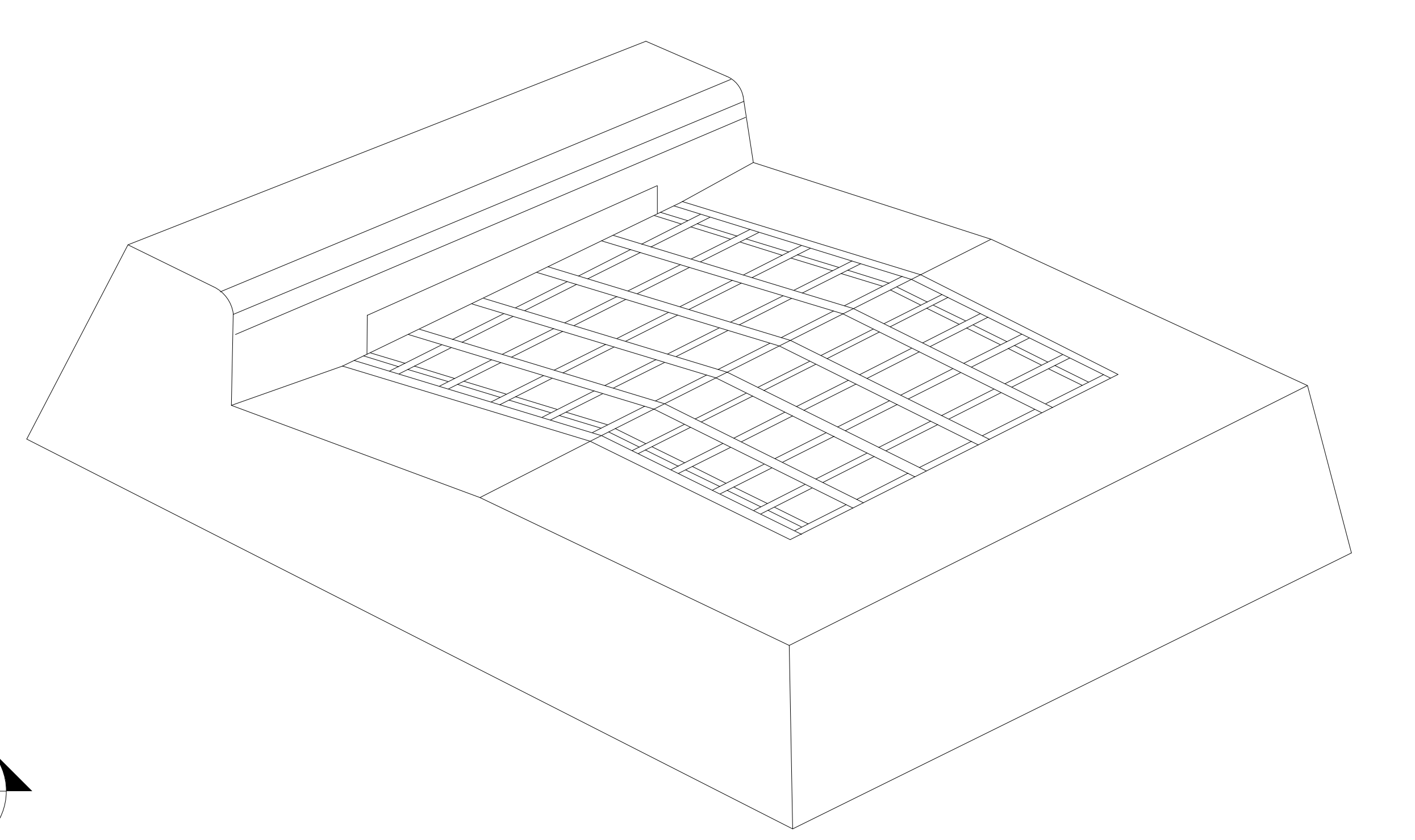
GENERAL NOTES:

1. SEE SHEET HW-586_08 FOR CATCH BASIN FRAMES AND GRATES, AND HW-586_09 CATCH BASIN LOCK DOWN TOPS.
2. SEE SHEET HW-586_02 CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I TO DETERMINE THE TOP OF FRAME AT THE GUTTER.
3. ALL BARS SHALL HAVE A MINIMUM 2" COVER.
4. MANUFACTURING DIMENSIONAL TOLERANCE TABLE

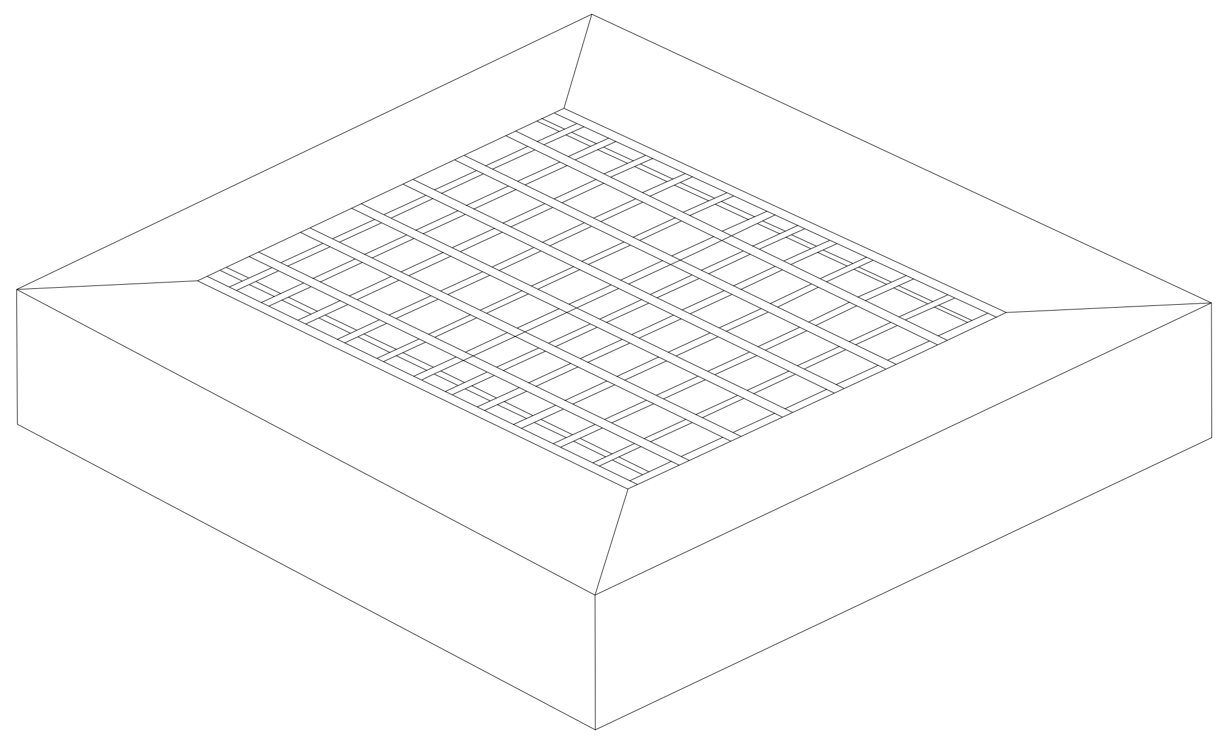
Any Dimension (D)	Allowable Tolerance
D < 5"	± ¼"
5" ≤ D ≤ 10"	± ½"
D > 10"	± 1"



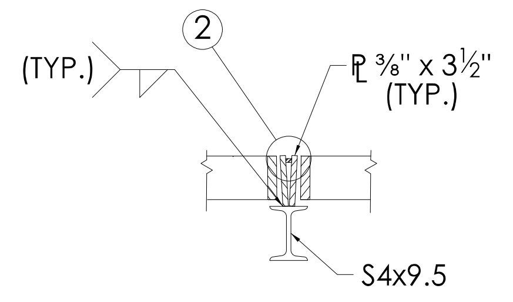
TYPE "C" CATCH BASIN DOUBLE
GRATE TYPE I TOP
PLAN



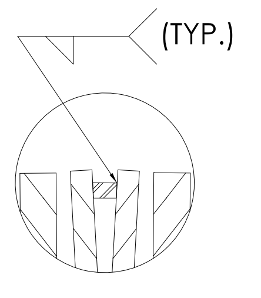
TYPE "C" CATCH BASIN DOUBLE
GRATE TYPE I TOP



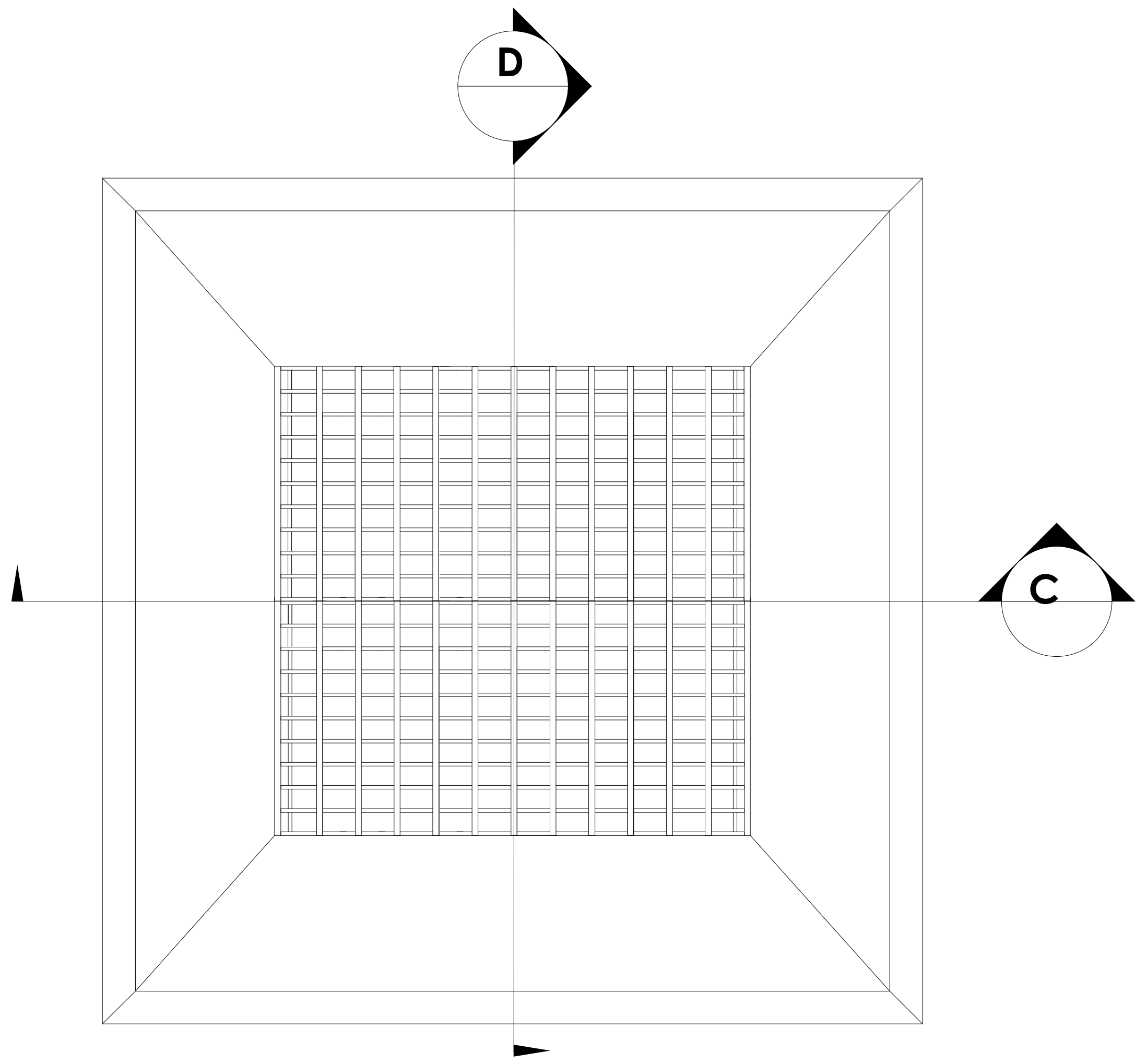
TYPE "C-L" CATCH BASIN DOUBLE
GRATE TYPE I TOP



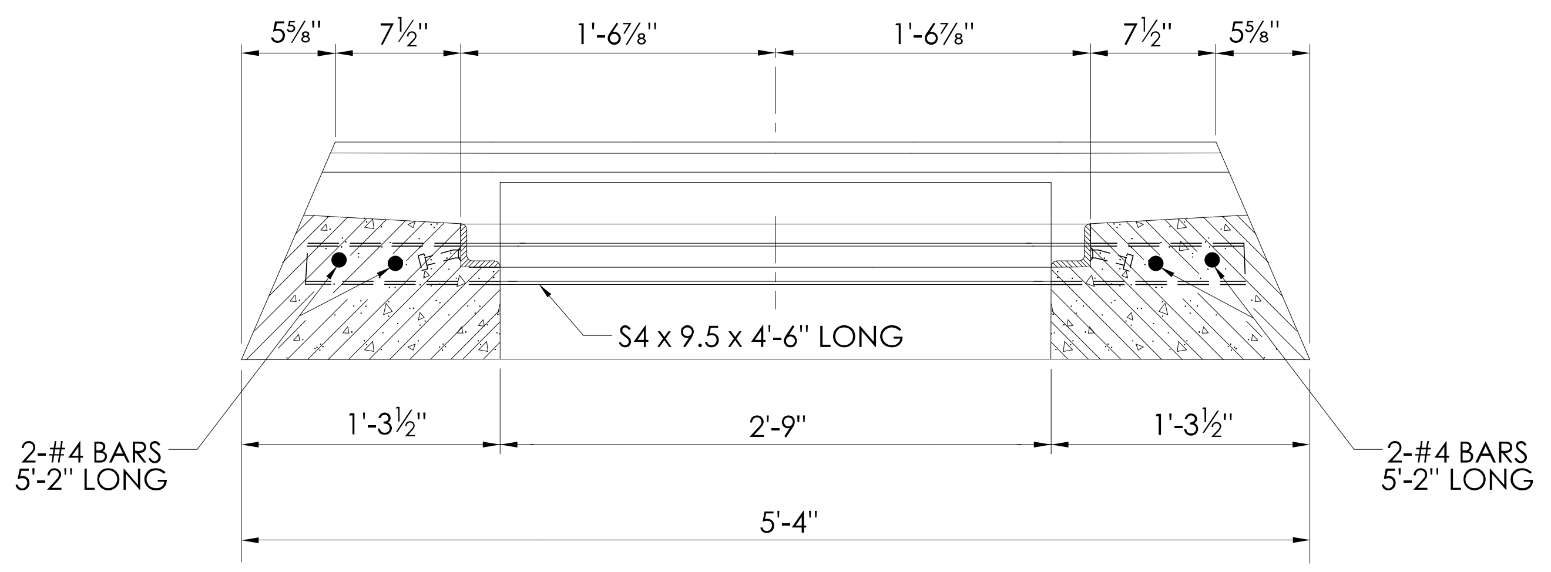
DETAIL 1



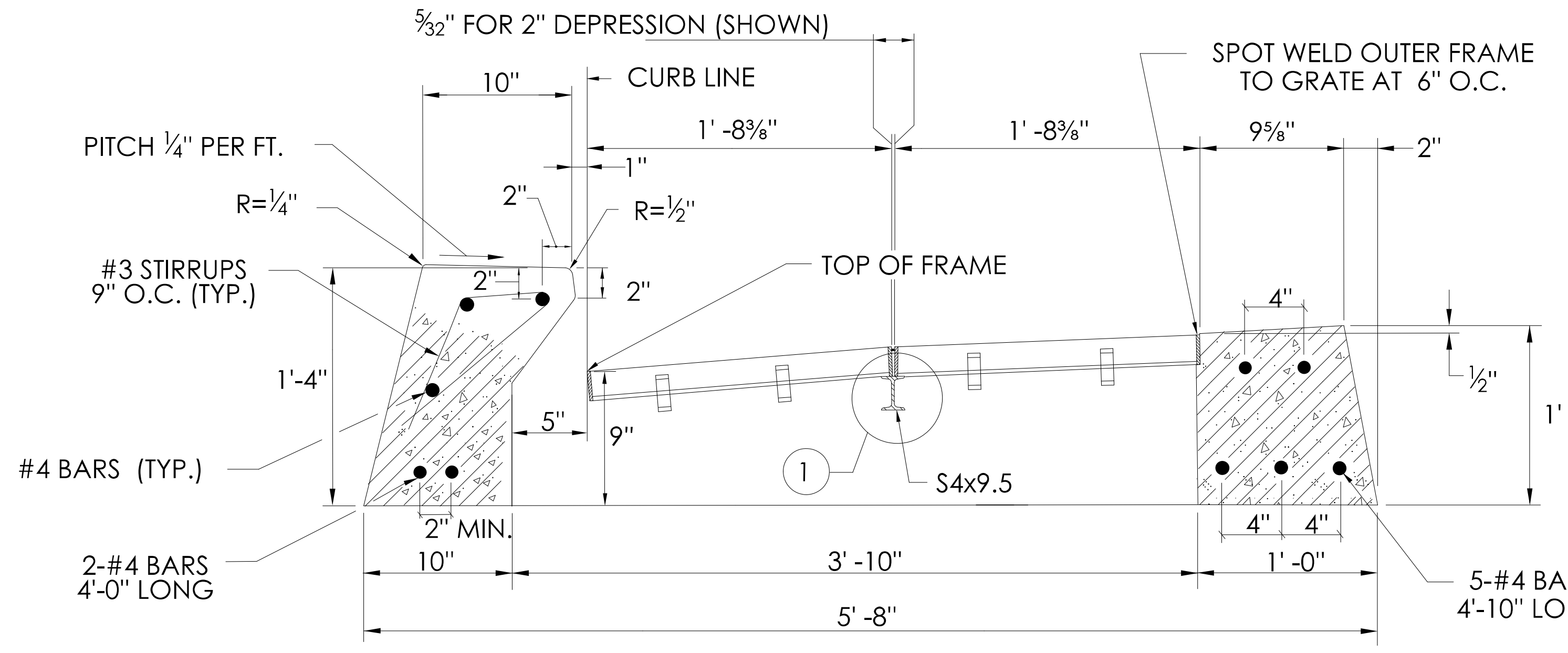
DETAIL 2



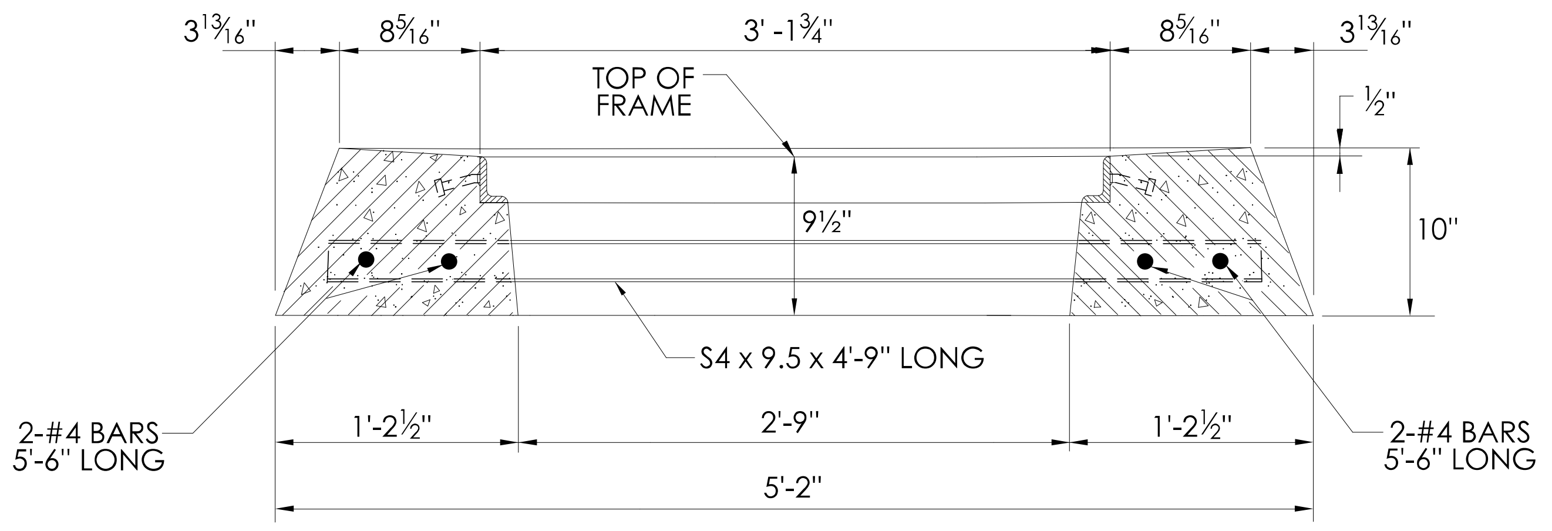
TYPE "C-L" CATCH BASIN DOUBLE
GRATE TYPE I TOP
PLAN



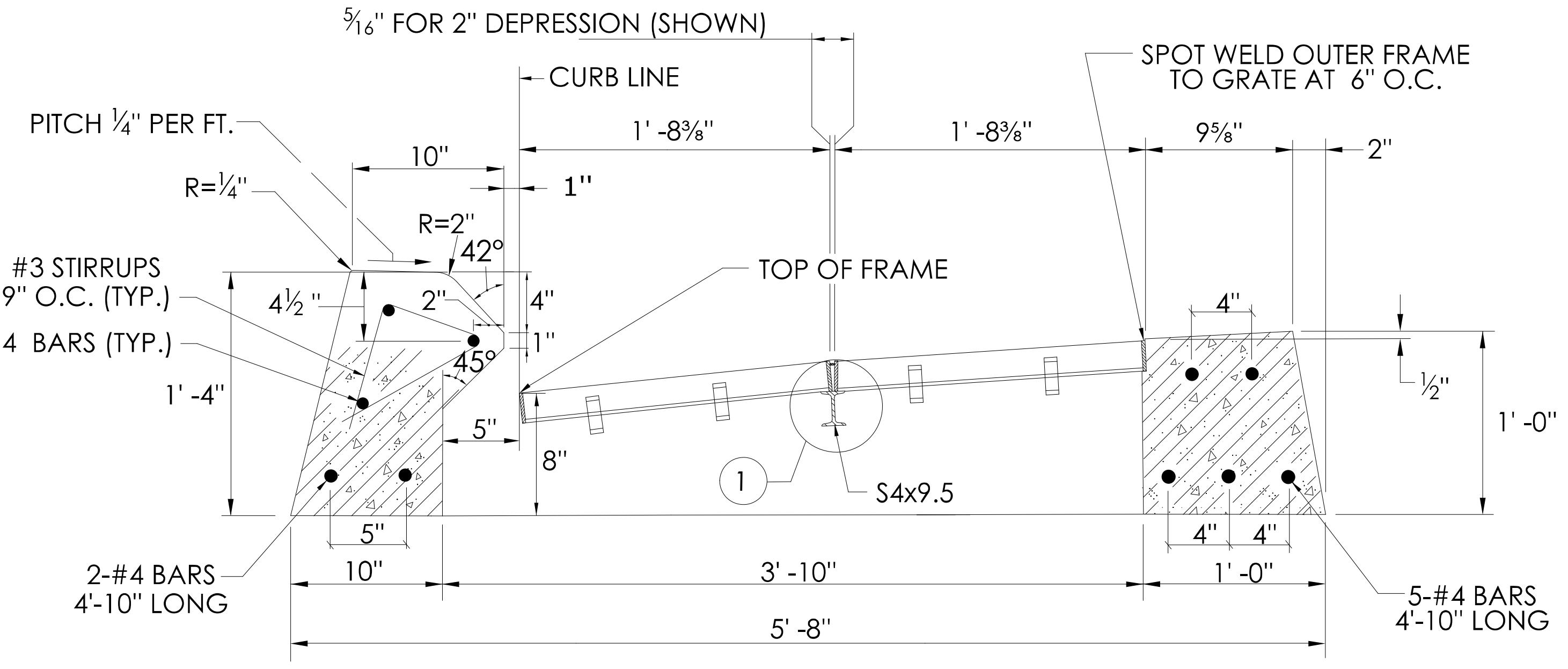
TYPE "C" CATCH BASIN DOUBLE
GRATE TYPE I TOP
SECTION A



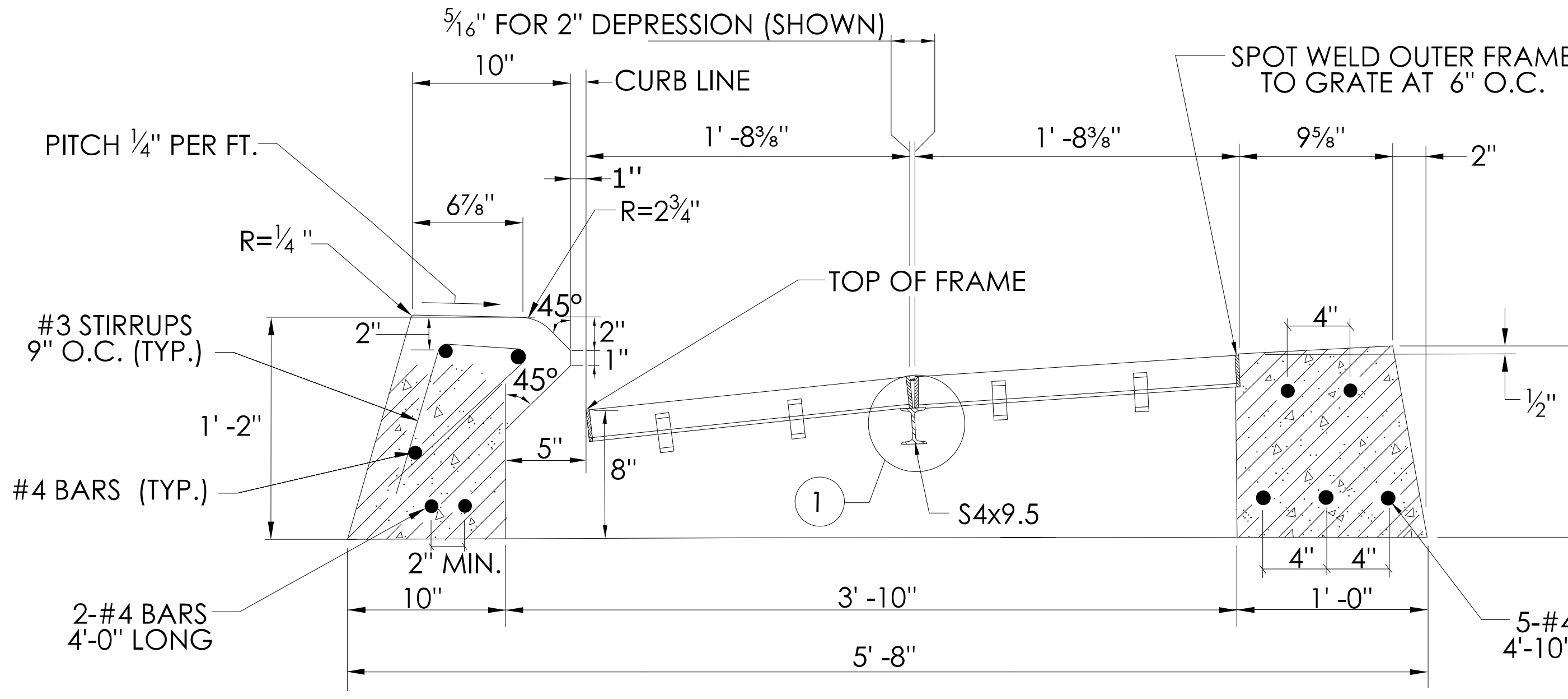
TYPE "C" CATCH BASIN DOUBLE GRATE TYPE I TOP FOR
6" CONCRETE CURBING OR 6" STONE CURBING
SECTION B



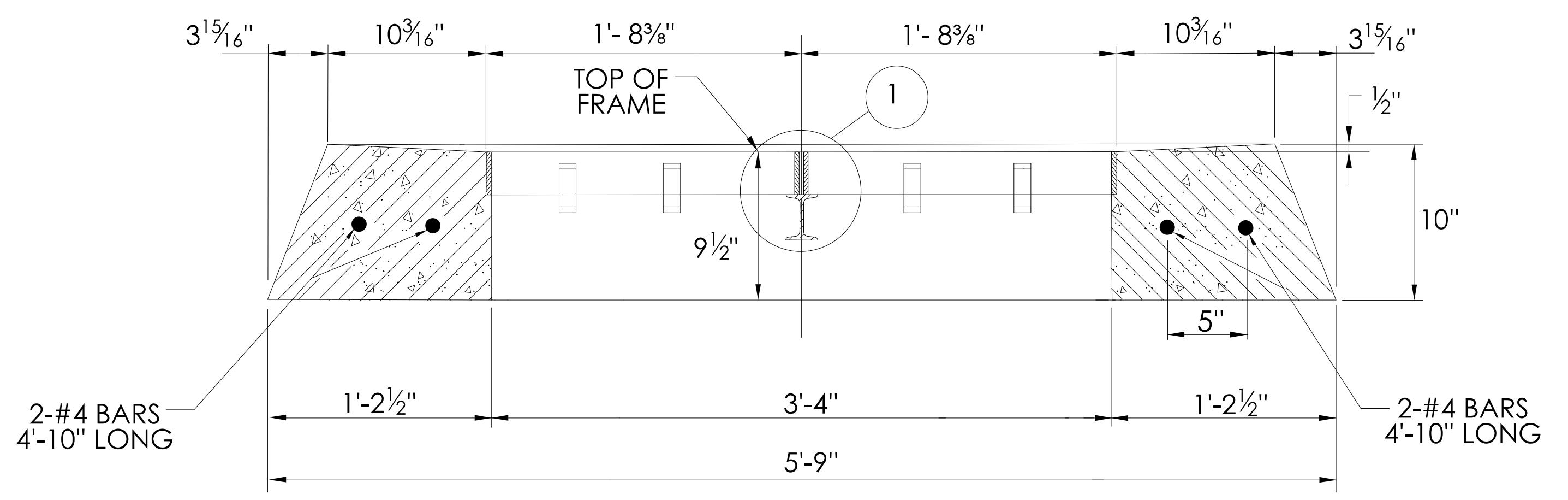
TYPE "C-L" CATCH BASIN DOUBLE
GRATE TYPE I TOP
SECTION C



TYPE "C" CATCH BASIN DOUBLE GRATE TYPE I TOP FOR
6" BITUMINOUS CONCRETE LIP CURBING
SECTION B



TYPE "C" CATCH BASIN DOUBLE GRATE TYPE I TOP FOR
4" CONCRETE PARK CURBING OR
4" BITUMINOUS CONCRETE PARK CURBING
SECTION B



TYPE "C-L" CATCH BASIN DOUBLE
GRATE TYPE I 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: 2022.10.05 14:18:04-04'00'

APPROVED BY:
Michael J. Calabrese
Digitally signed by Calabrese, Michael
Date: 2022.11.09 13:52:10-05'00'

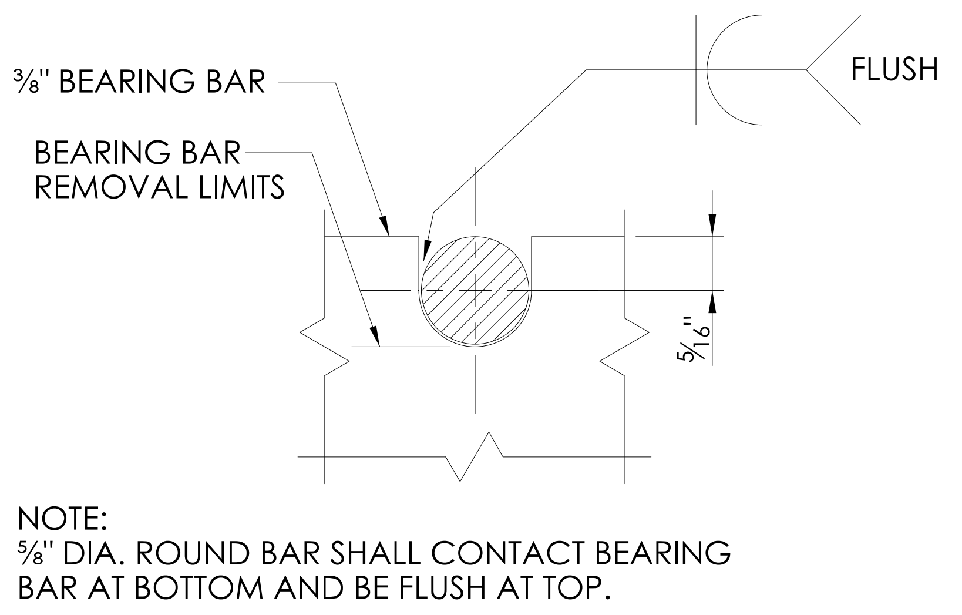
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

CTDOT
STANDARD SHEET

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

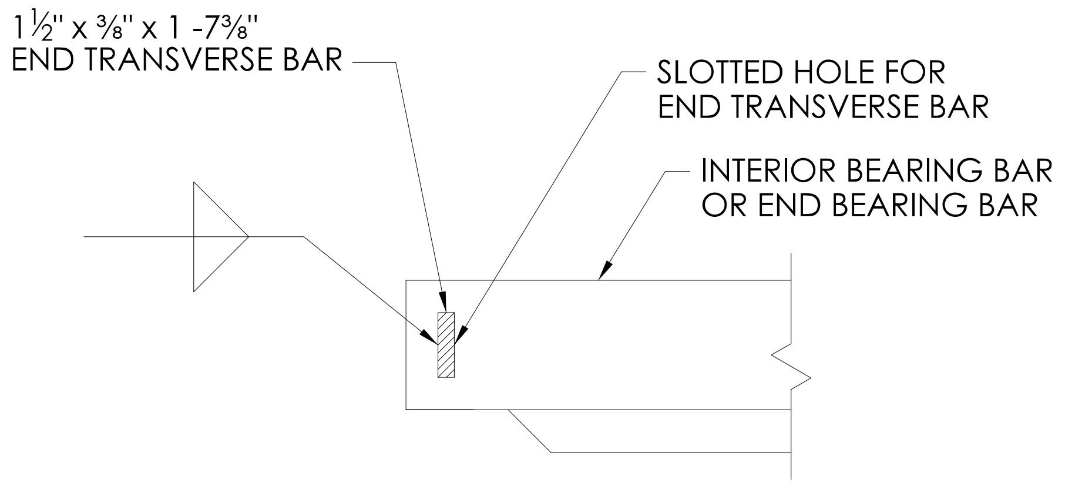
STANDARD SHEET NO.:
HW-586_07b

PLOTTED DATE: 9/21/2022



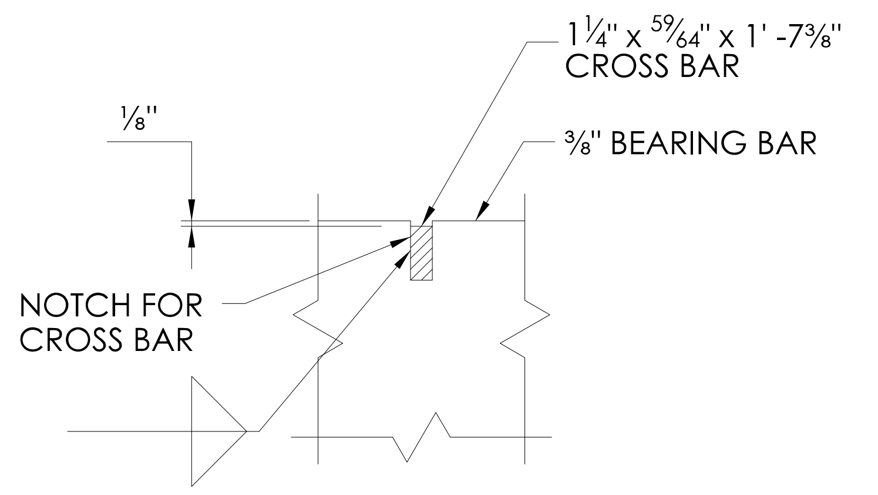
NOTE:
⅝" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A

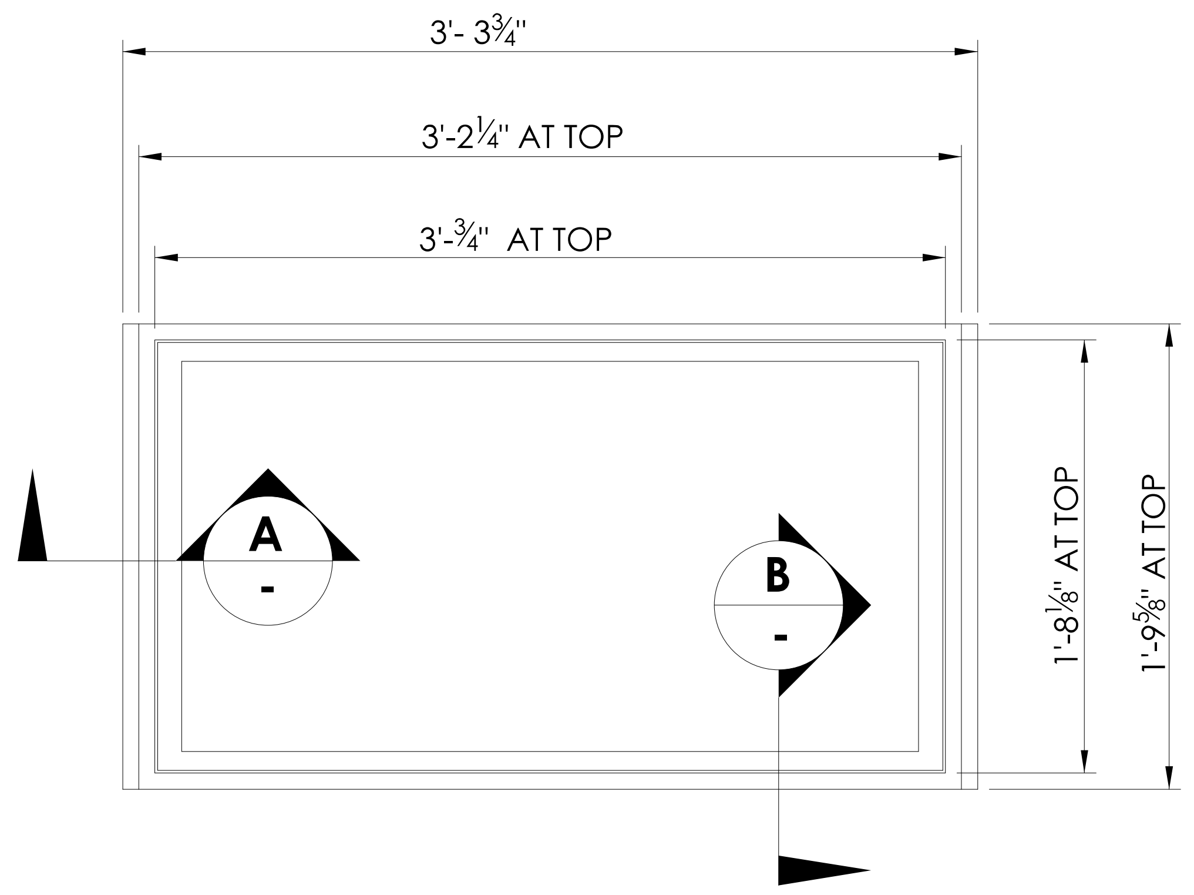


1½" x ⅜" x 1 -7⅜" END TRANSVERSE BAR
SLOTTED HOLE FOR END TRANSVERSE BAR
INTERIOR BEARING BAR OR END BEARING BAR

END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



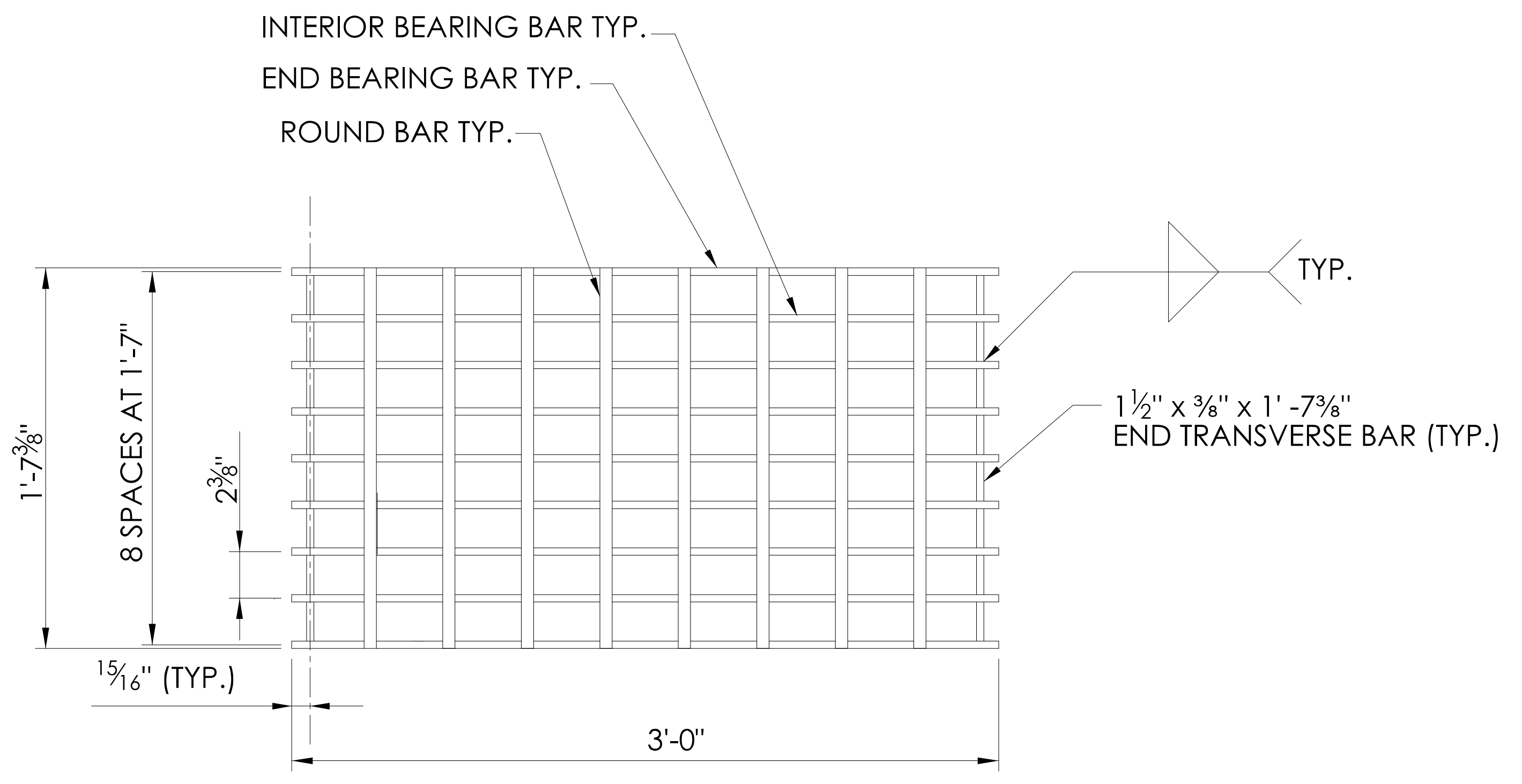
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



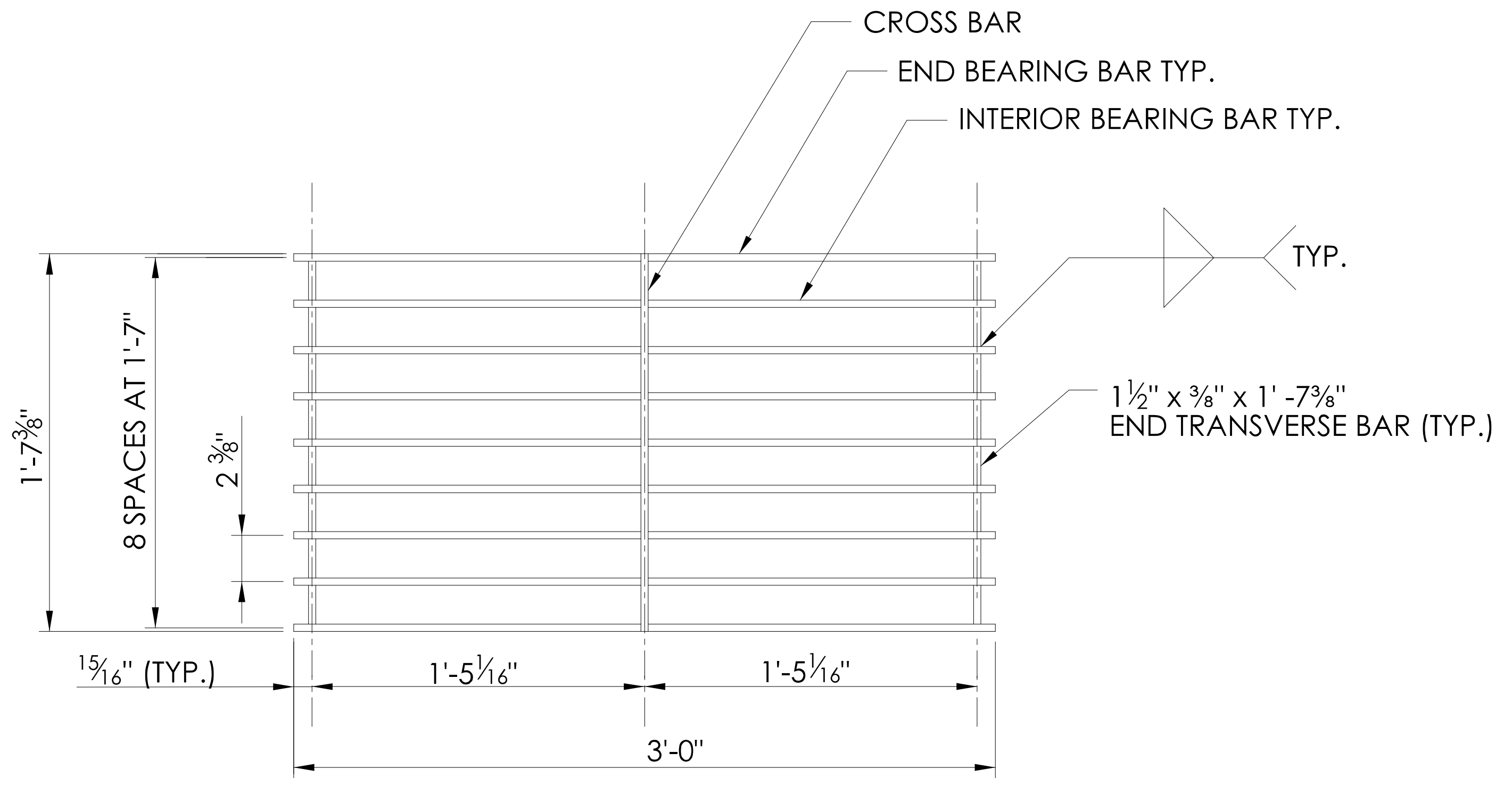
PLAN

GENERAL NOTES:

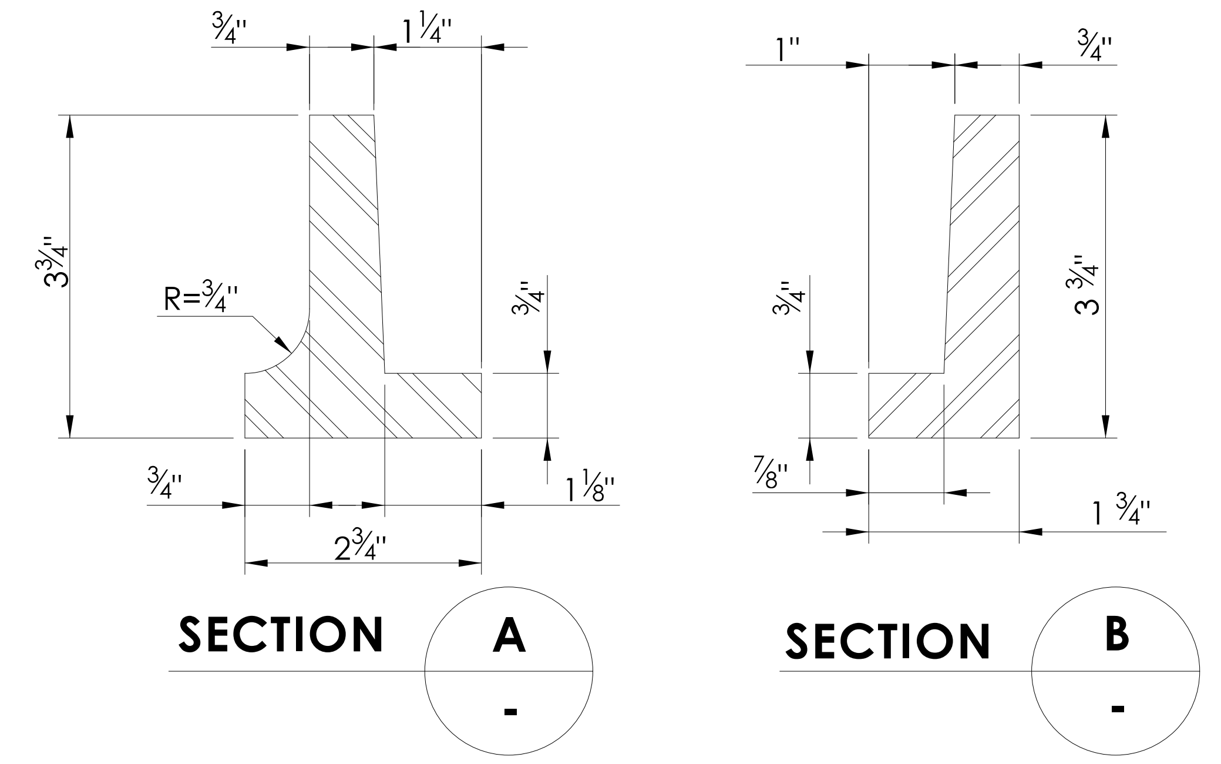
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS,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



PLAN



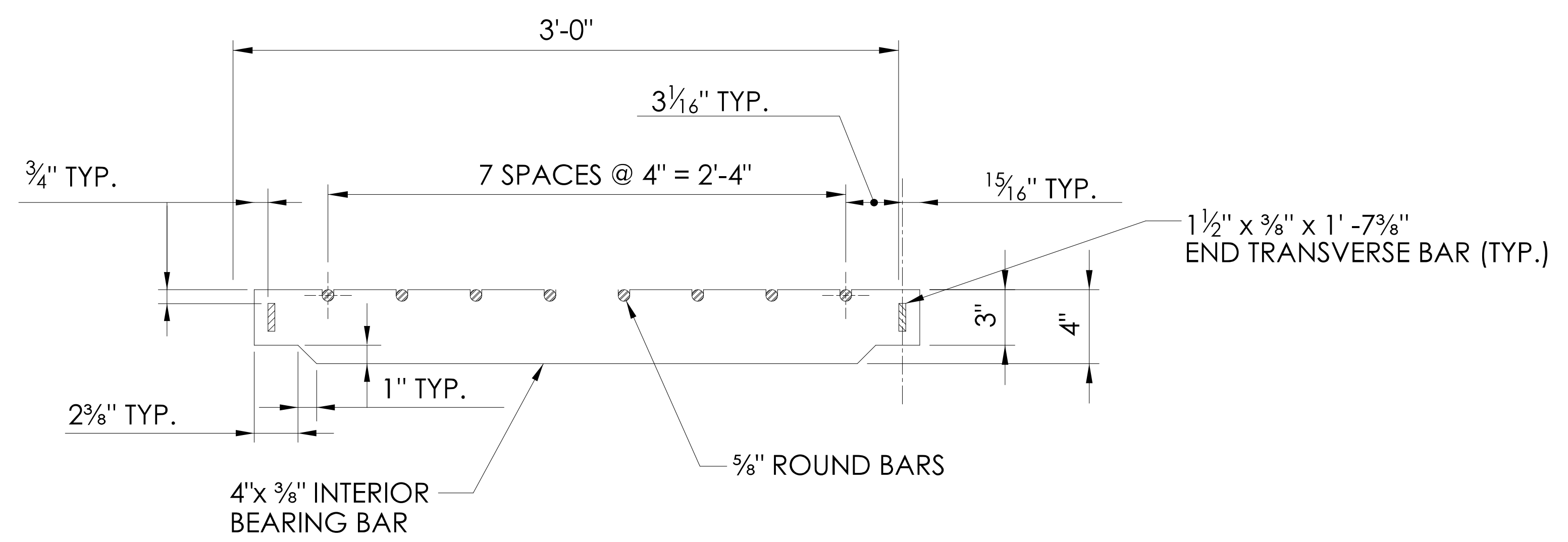
PLAN



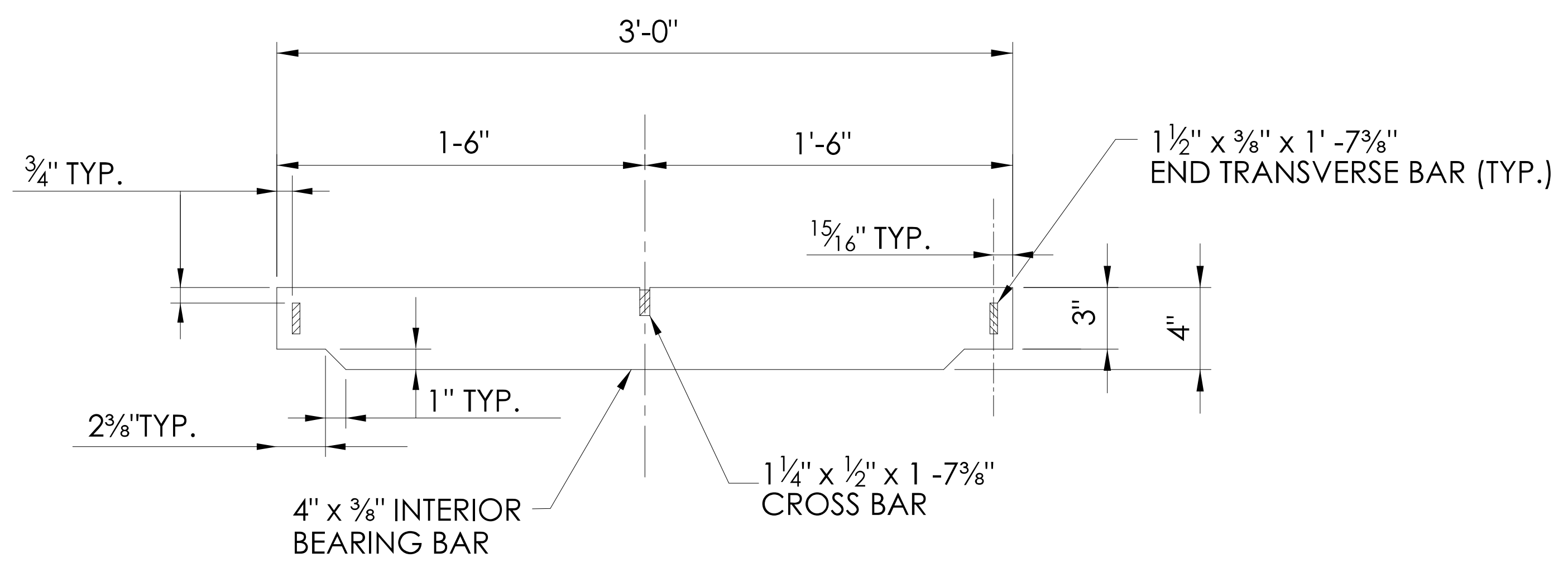
SECTION A -

SECTION B -

CAST IRON FRAME ALTERNATE

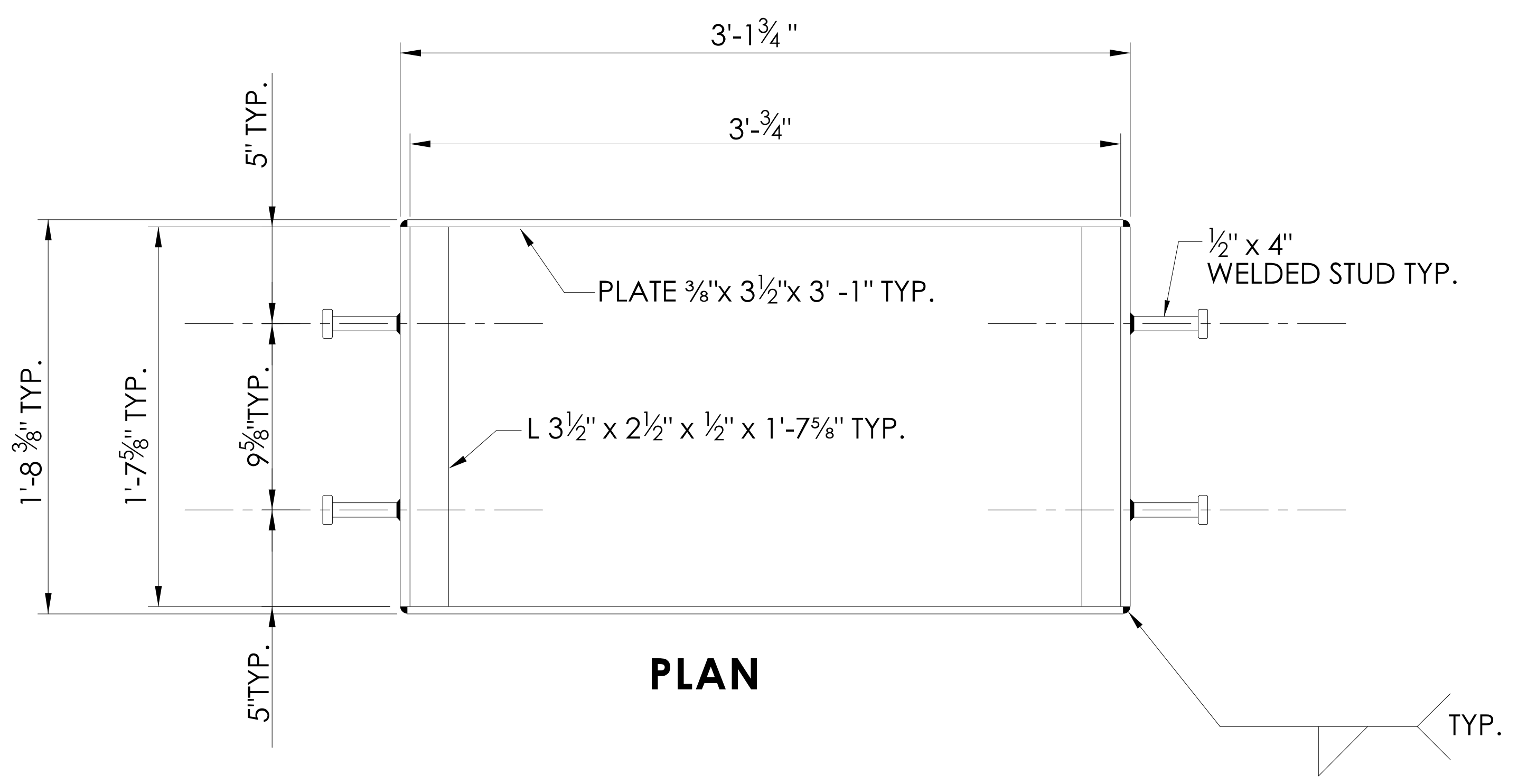


ELEVATION- INTERIOR BEARING BAR

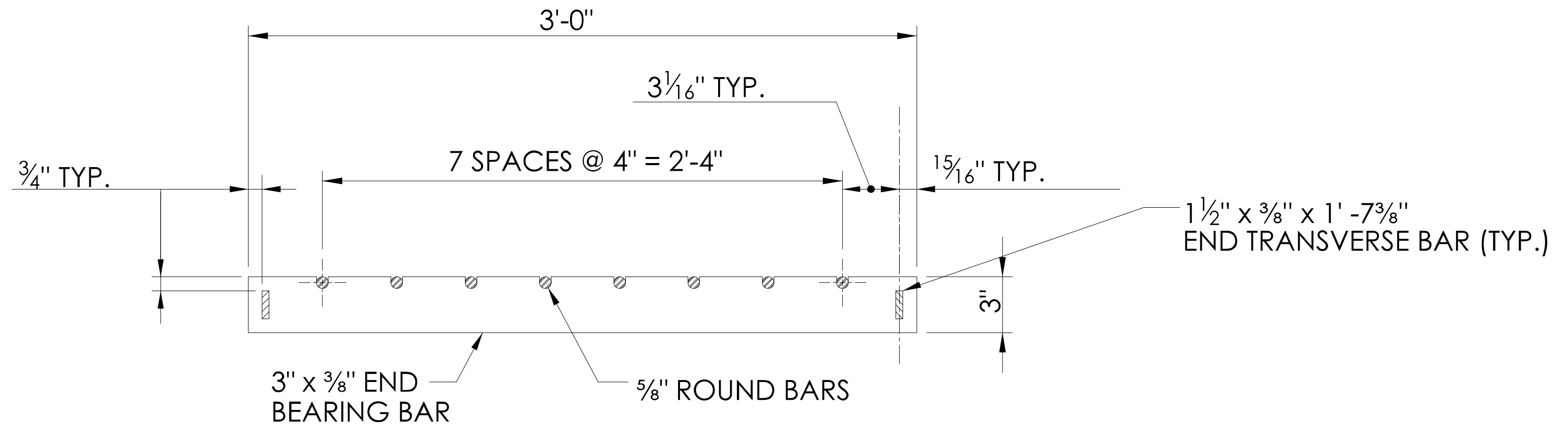


3'-0"
1-6"
1'-6"
¾" TYP.
1½" x ⅜" x 1' -7⅜" END TRANSVERSE BAR (TYP.)
15⁄16" TYP.
3"
4"
2⅜"TYP.
1" TYP.
4" x ⅜" INTERIOR BEARING BAR
1¼" x ½" x 1 -7⅜" CROSS BAR

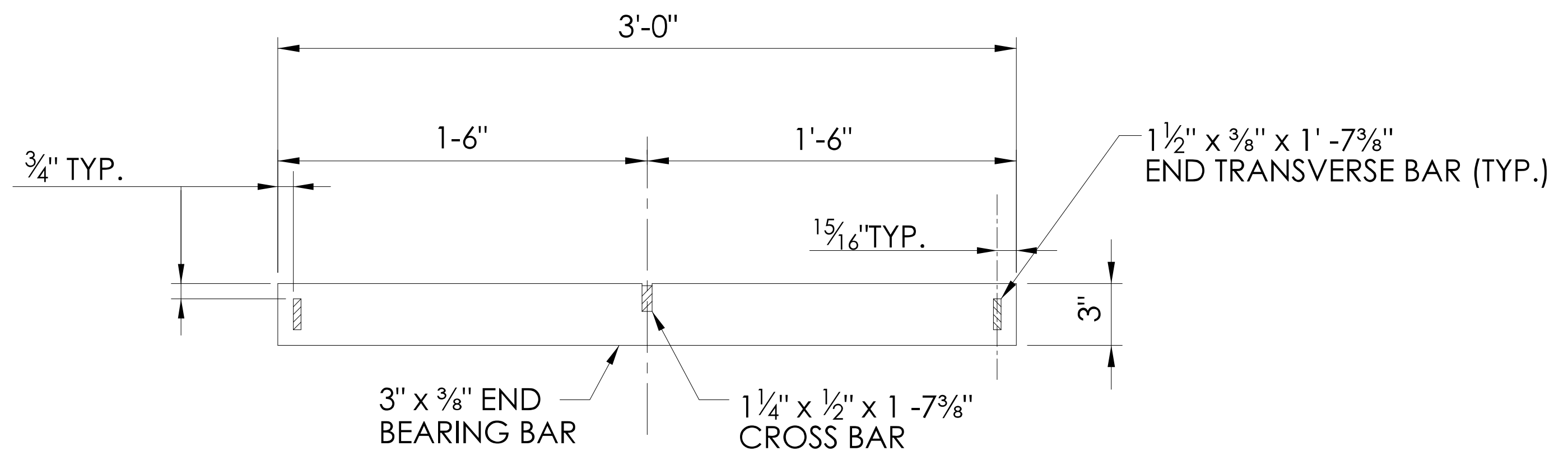
ELEVATION- INTERIOR BEARING BAR



PLAN

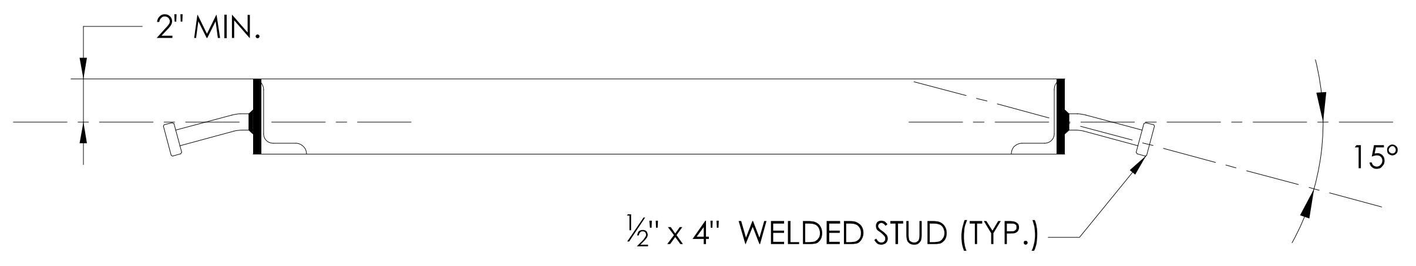


ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



3'-0"
1-6"
1'-6"
¾" TYP.
1½" x ⅜" x 1' -7⅜" END TRANSVERSE BAR (TYP.)
15⁄16"TYP.
3"
3" x ⅜" END BEARING BAR
1¼" x ½" x 1 -7⅜" CROSS BAR

ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



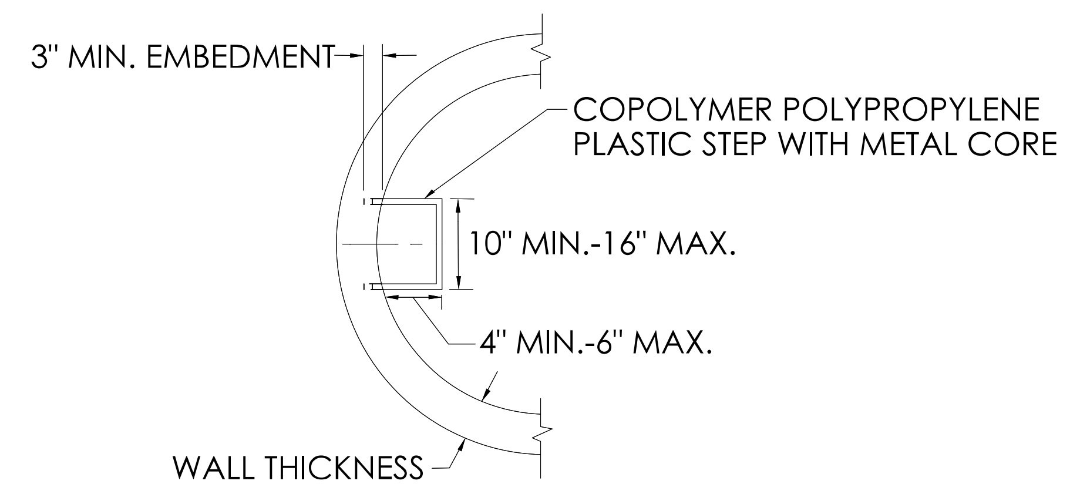
WELDED STUD ANCHOR DETAILS
STEEL FRAME

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 14:19:16-04'00'	APPROVED BY: Digitally signed by Calabrese, Michael Date: 2022.11.09 14:00:56-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO.: HW- 586_08

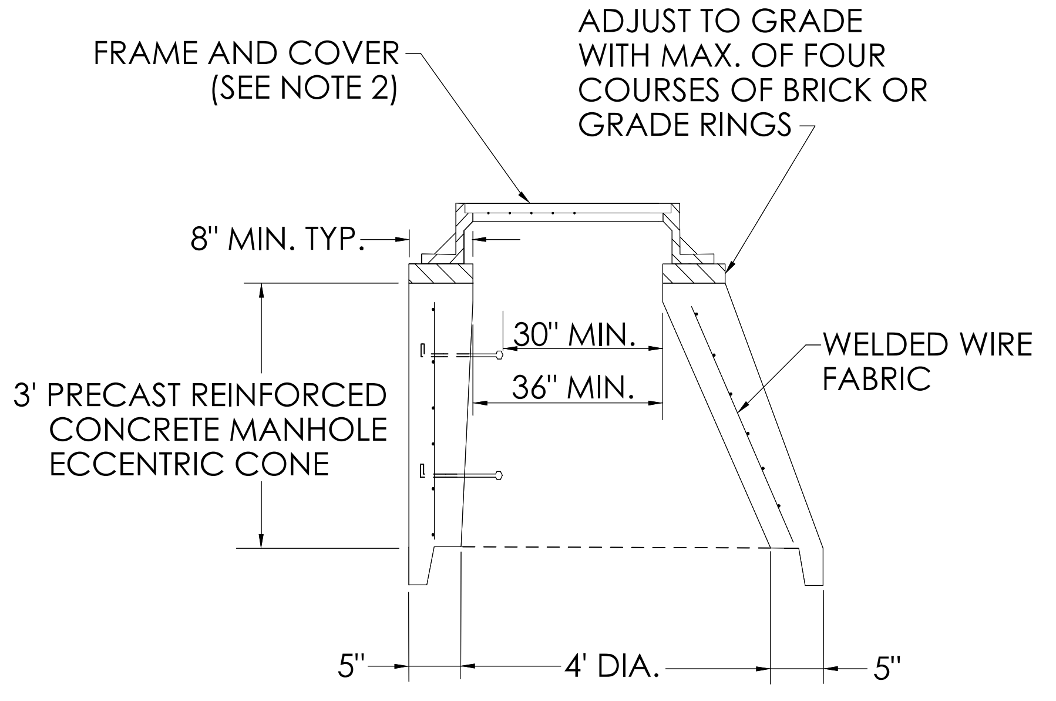
PLOTTED DATE: 9/21/2022

GENERAL NOTES:

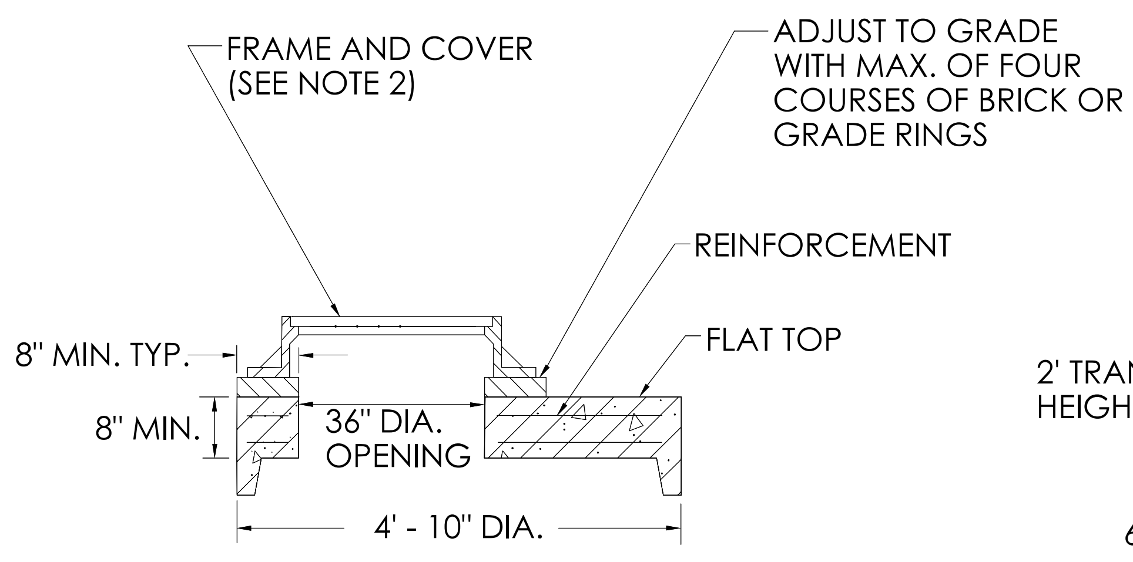
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE.
2. SEE SHEETS HW-586_10a, AND HW-586_10b FOR MANHOLE FRAME, GRATE AND COVER DETAIL.



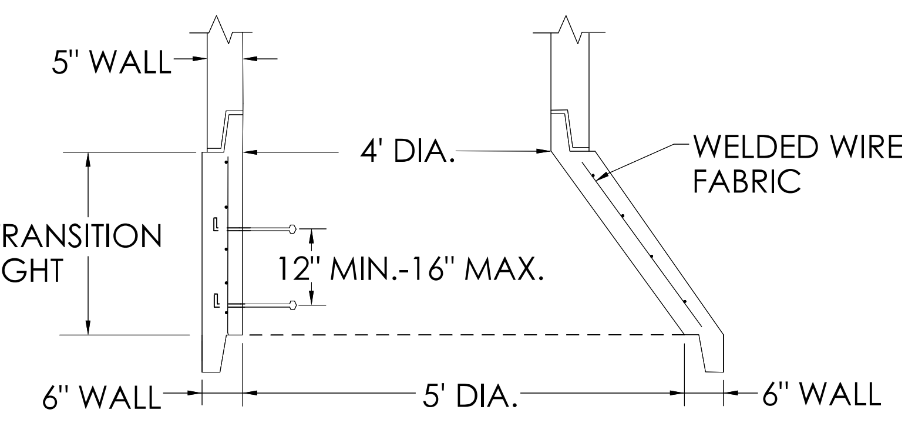
STEP DETAIL


FRAME AND COVER (SEE NOTE 2)
ADJUST TO GRADE WITH MAX. OF FOUR COURSES OF BRICK OR GRADE RINGS
8" MIN. TYP.
30" MIN.
36" MIN.
WELDED WIRE FABRIC
3' PRECAST REINFORCED CONCRETE MANHOLE ECCENTRIC CONE
5"
4' DIA.
5"

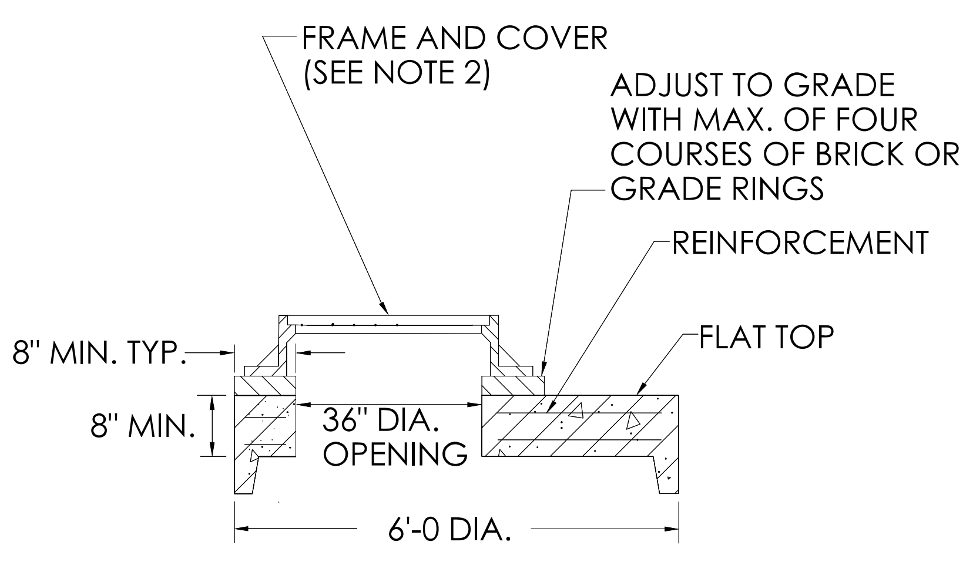
ECCENTRIC CONE SECTION


FRAME AND COVER (SEE NOTE 2)
ADJUST TO GRADE WITH MAX. OF FOUR COURSES OF BRICK OR GRADE RINGS
REINFORCEMENT
FLAT TOP
8" MIN. TYP.
8" MIN.
36" DIA. OPENING
4' - 10" DIA.

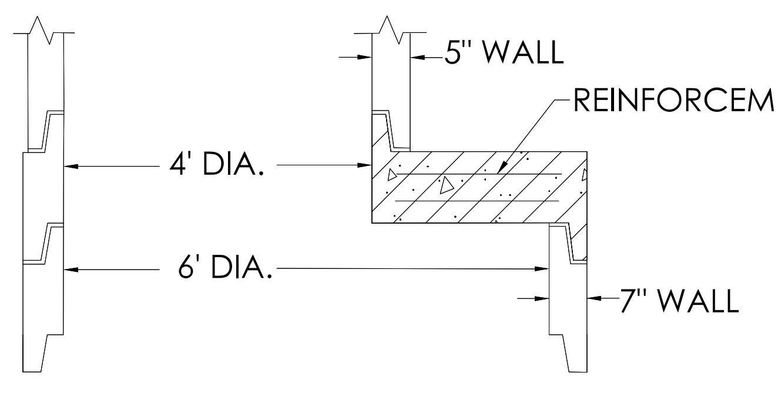
FLAT SLAB TOP FOR RISER SECTION



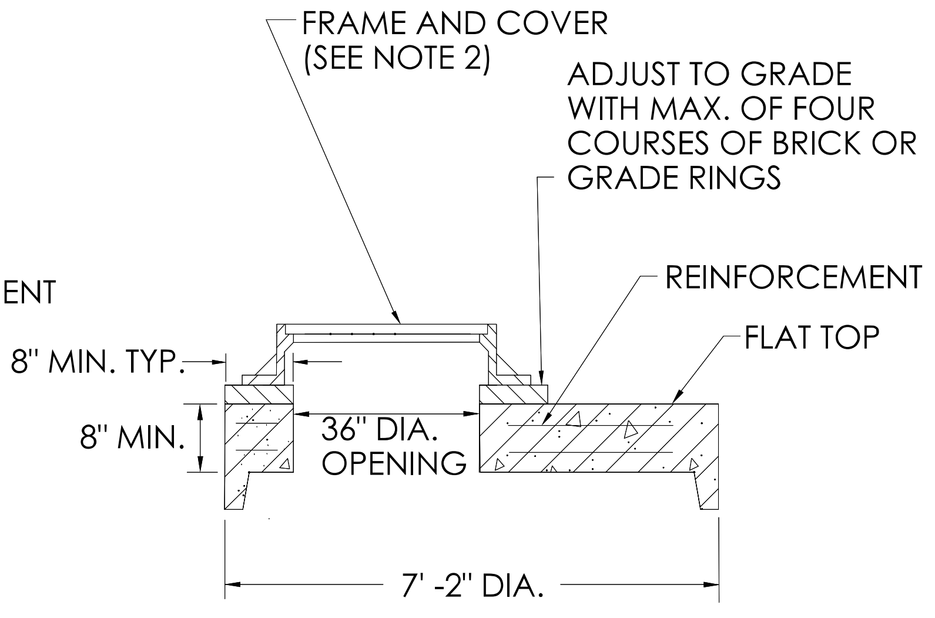
TRANSITION SECTION


FRAME AND COVER (SEE NOTE 2)
ADJUST TO GRADE WITH MAX. OF FOUR COURSES OF BRICK OR GRADE RINGS
REINFORCEMENT
FLAT TOP
8" MIN. TYP.
8" MIN.
36" DIA. OPENING
6'-0 DIA.

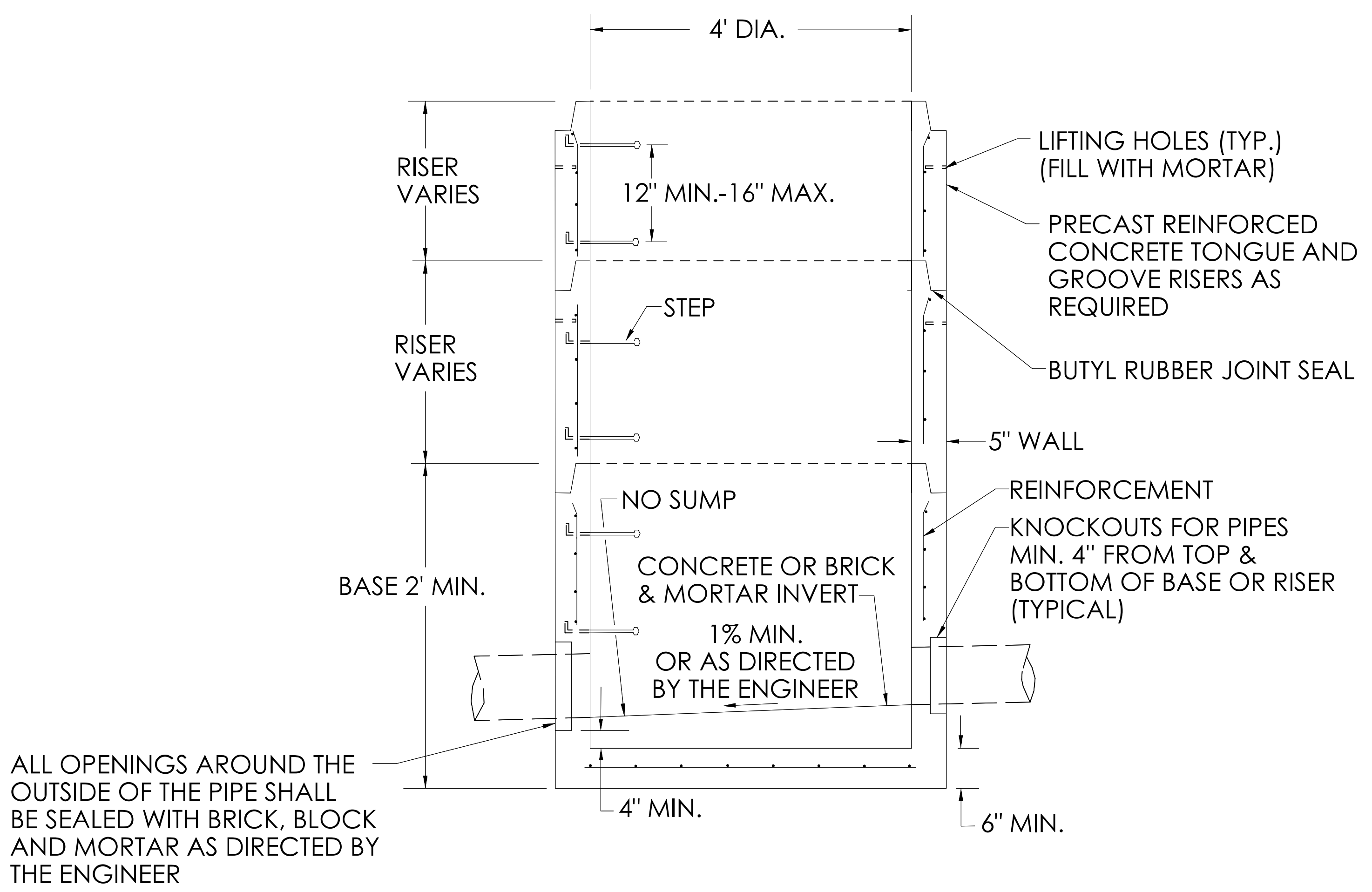
FLAT SLAB TOP FOR RISER SECTION



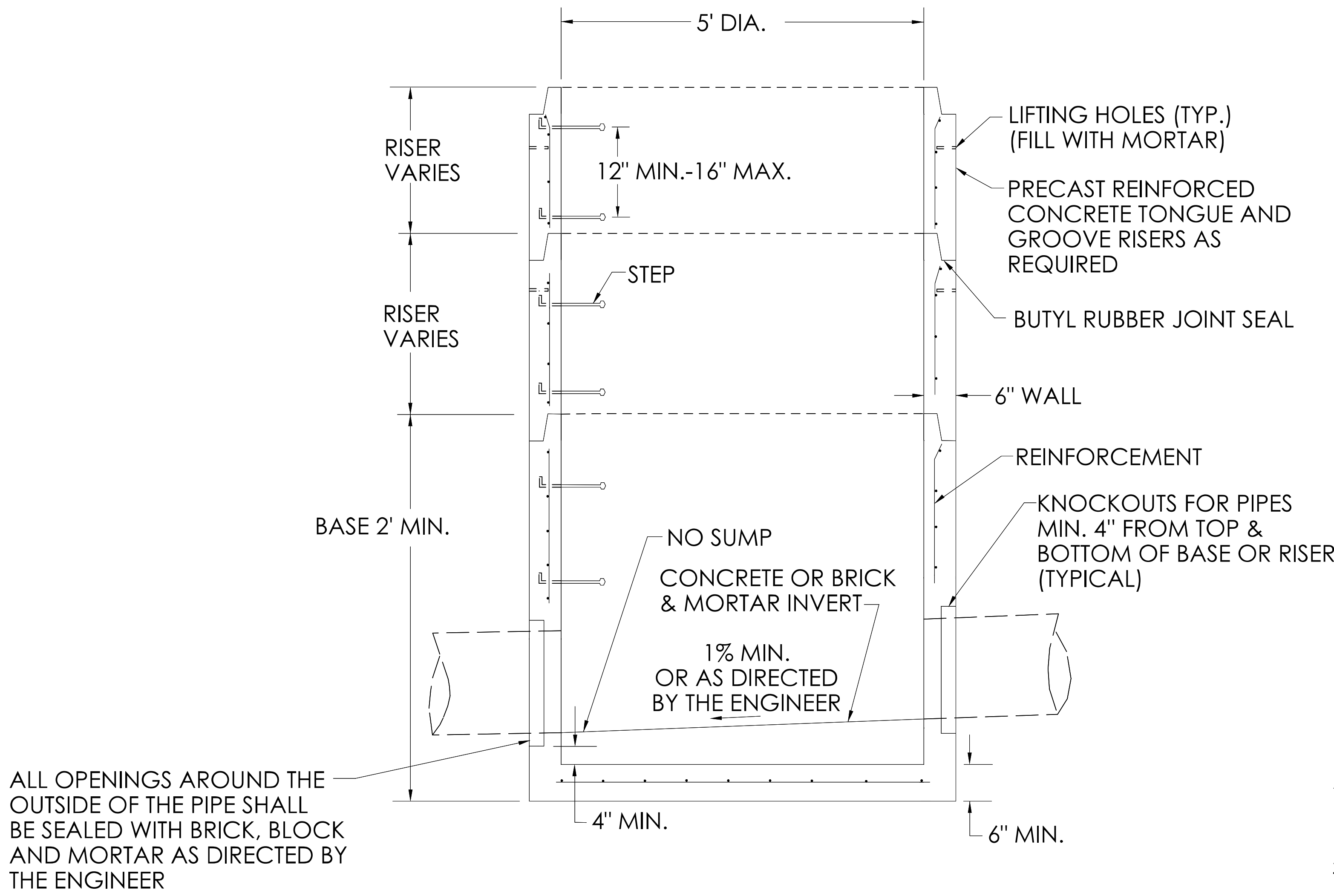
REDUCER SECTION


FRAME AND COVER (SEE NOTE 2)
ADJUST TO GRADE WITH MAX. OF FOUR COURSES OF BRICK OR GRADE RINGS
REINFORCEMENT
FLAT TOP
8" MIN. TYP.
8" MIN.
36" DIA. OPENING
7' -2" DIA.

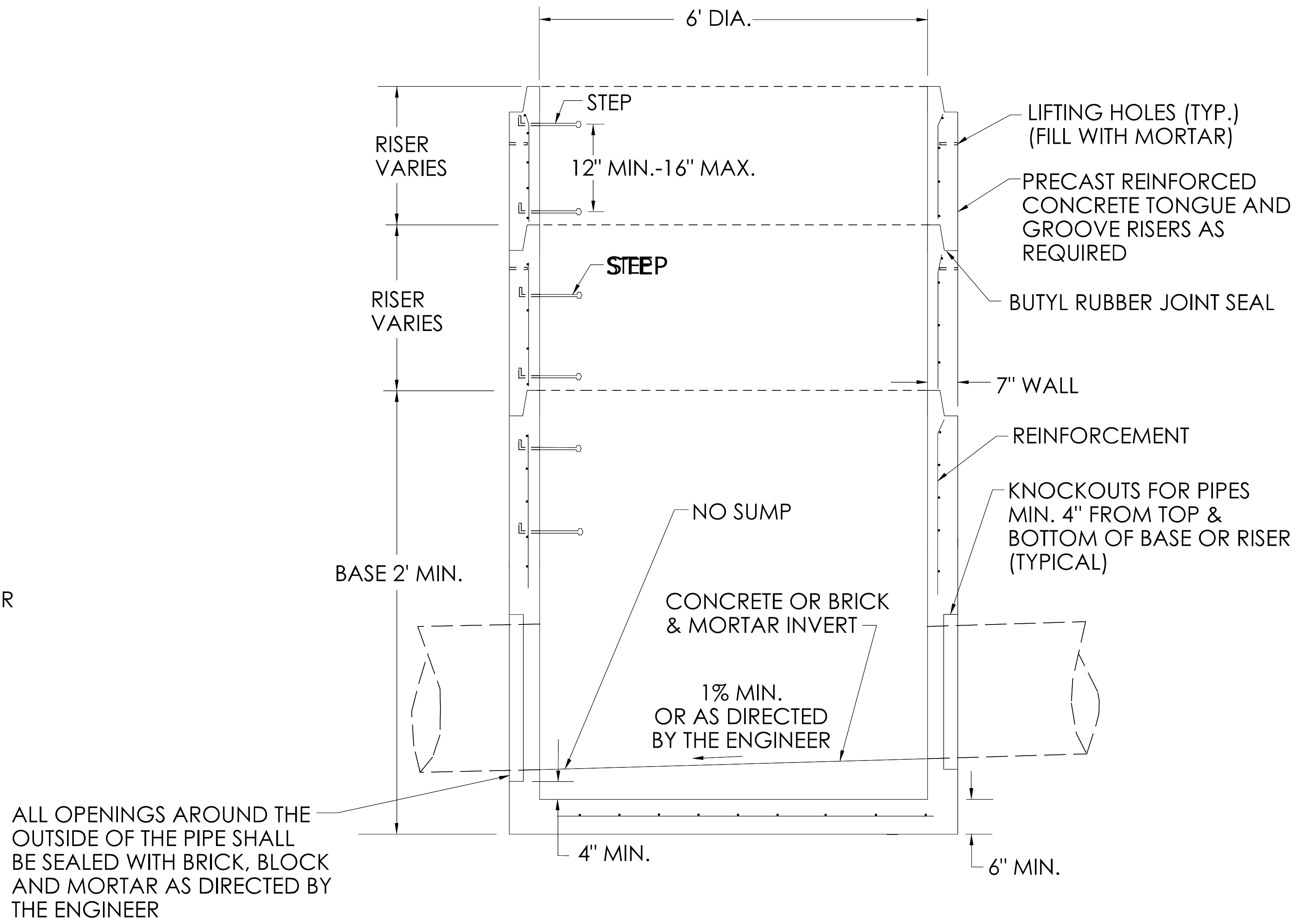
FLAT SLAB TOP FOR RISER SECTION


4' DIA.
RISER VARIES
12" MIN.-16" MAX.
LIFTING HOLES (TYP.) (FILL WITH MORTAR)
PRECAST REINFORCED CONCRETE TONGUE AND GROOVE RISERS AS REQUIRED
RISER VARIES
STEP
BUTYL RUBBER JOINT SEAL
5" WALL
NO SUMP
REINFORCEMENT
KNOCKOUTS FOR PIPES MIN. 4" FROM TOP & BOTTOM OF BASE OR RISER (TYPICAL)
BASE 2' MIN.
CONCRETE OR BRICK & MORTAR INVERT
1% MIN. OR AS DIRECTED BY THE ENGINEER
ALL OPENINGS AROUND THE OUTSIDE OF THE PIPE SHALL BE SEALED WITH BRICK, BLOCK AND MORTAR AS DIRECTED BY THE ENGINEER
4" MIN.
6" MIN.

4' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION


5' DIA.
RISER VARIES
12" MIN.-16" MAX.
LIFTING HOLES (TYP.) (FILL WITH MORTAR)
PRECAST REINFORCED CONCRETE TONGUE AND GROOVE RISERS AS REQUIRED
STEP
RISER VARIES
BUTYL RUBBER JOINT SEAL
6" WALL
REINFORCEMENT
BASE 2' MIN.
NO SUMP
KNOCKOUTS FOR PIPES MIN. 4" FROM TOP & BOTTOM OF BASE OR RISER (TYPICAL)
CONCRETE OR BRICK & MORTAR INVERT
1% MIN. OR AS DIRECTED BY THE ENGINEER
ALL OPENINGS AROUND THE OUTSIDE OF THE PIPE SHALL BE SEALED WITH BRICK, BLOCK AND MORTAR AS DIRECTED BY THE ENGINEER
4" MIN.
6" MIN.

5' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION


6' DIA.
STEP
RISER VARIES
12" MIN.-16" MAX.
LIFTING HOLES (TYP.) (FILL WITH MORTAR)
PRECAST REINFORCED CONCRETE TONGUE AND GROOVE RISERS AS REQUIRED
STEP
RISER VARIES
BUTYL RUBBER JOINT SEAL
7" WALL
REINFORCEMENT
NO SUMP
KNOCKOUTS FOR PIPES MIN. 4" FROM TOP & BOTTOM OF BASE OR RISER (TYPICAL)
BASE 2' MIN.
CONCRETE OR BRICK & MORTAR INVERT
1% MIN. OR AS DIRECTED BY THE ENGINEER
ALL OPENINGS AROUND THE OUTSIDE OF THE PIPE SHALL BE SEALED WITH BRICK, BLOCK AND MORTAR AS DIRECTED BY THE ENGINEER
4" MIN.
6" MIN.

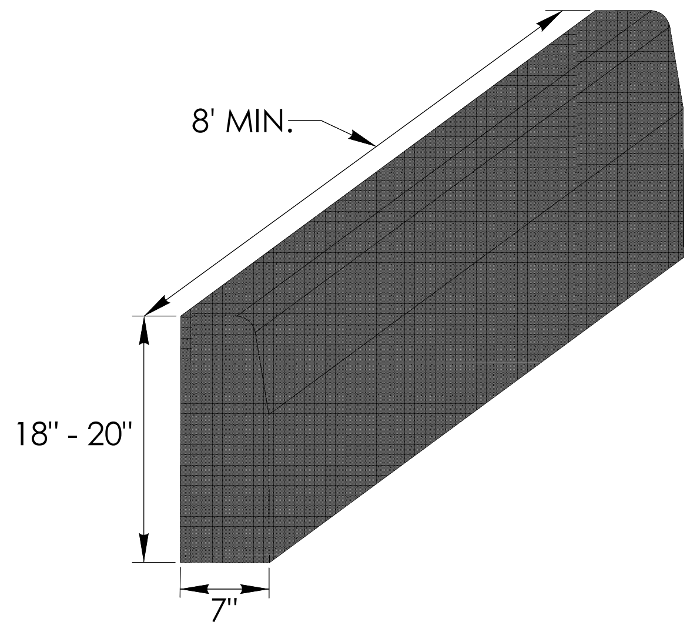
6' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION

NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2022.09.27 14:36:19-04'00'	APPROVED BY: Michael J. Calabrese Digitally signed by Calabrese, Michael Date: 2022.11.08 11:44:21-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: REINFORCED PRECAST CONCRETE MANHOLE	STANDARD SHEET NO.: HW- 586_10c

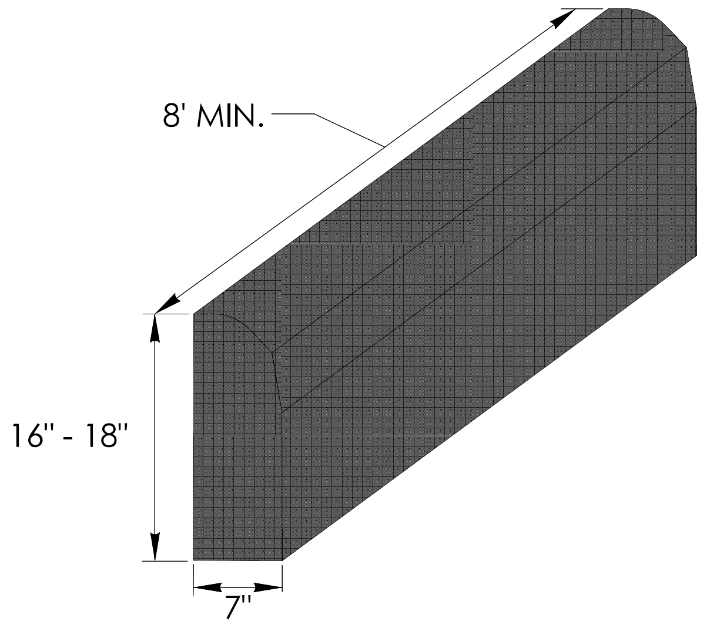
PLOTTED DATE: 9/21/2022

GENERAL NOTE:

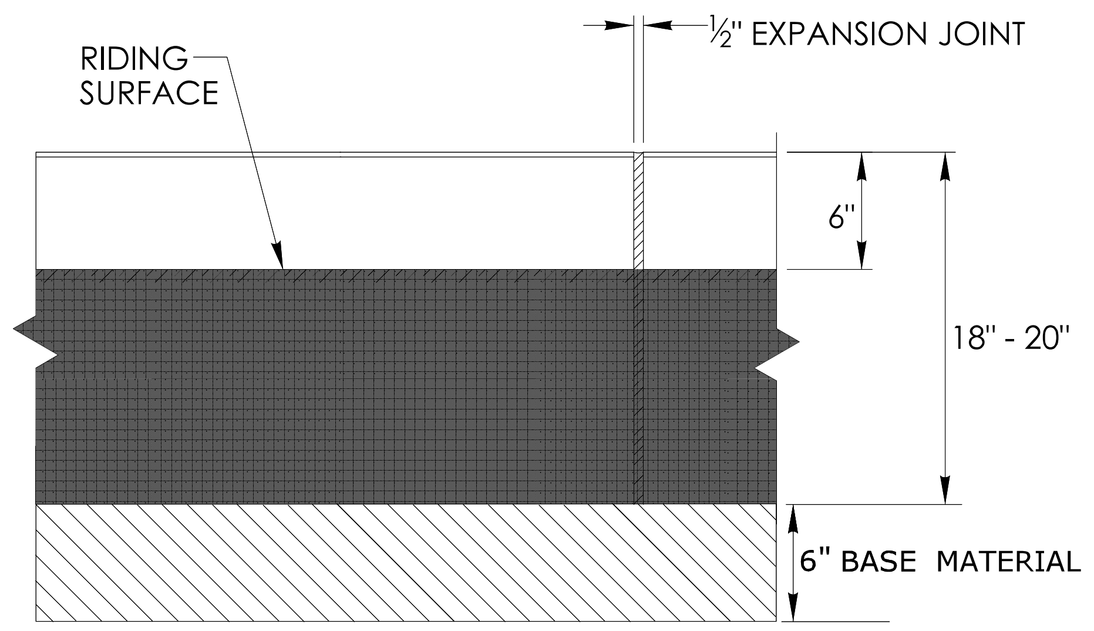
1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



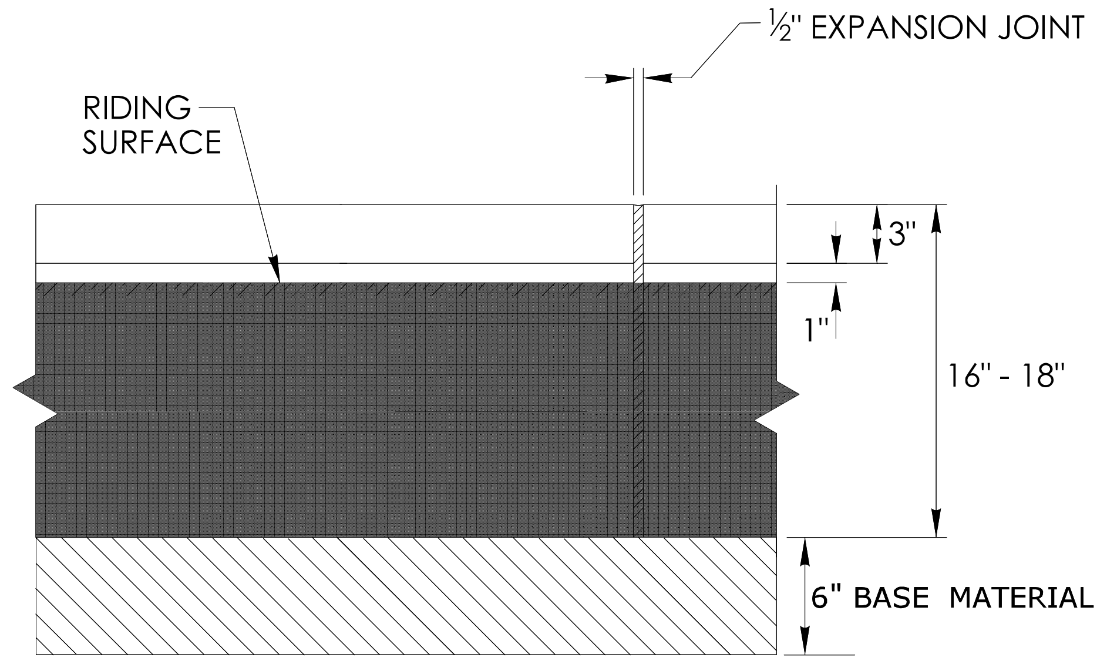
CONCRETE CURBING (6" REVEAL)



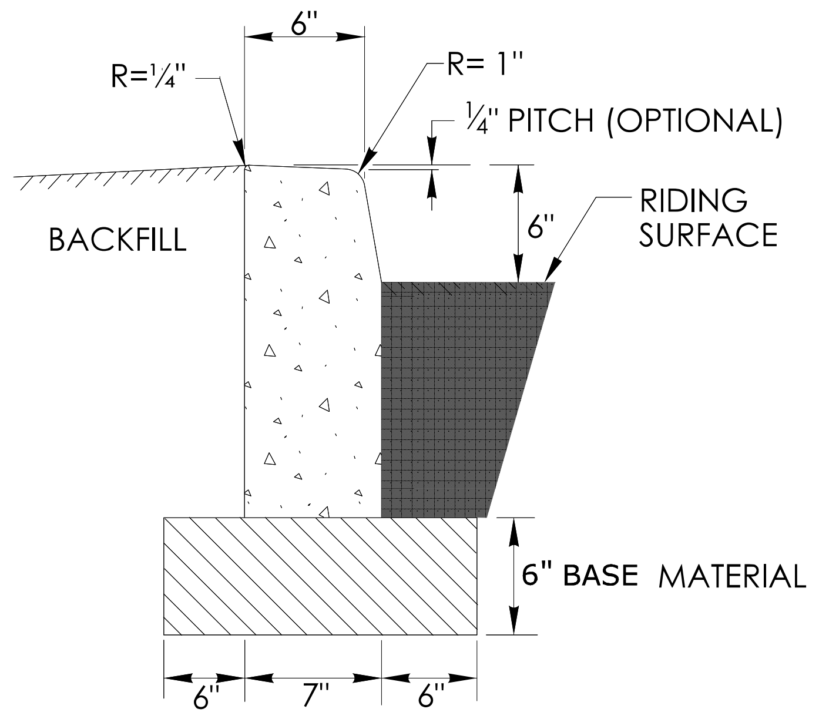
CONCRETE PARK CURBING (4" REVEAL)



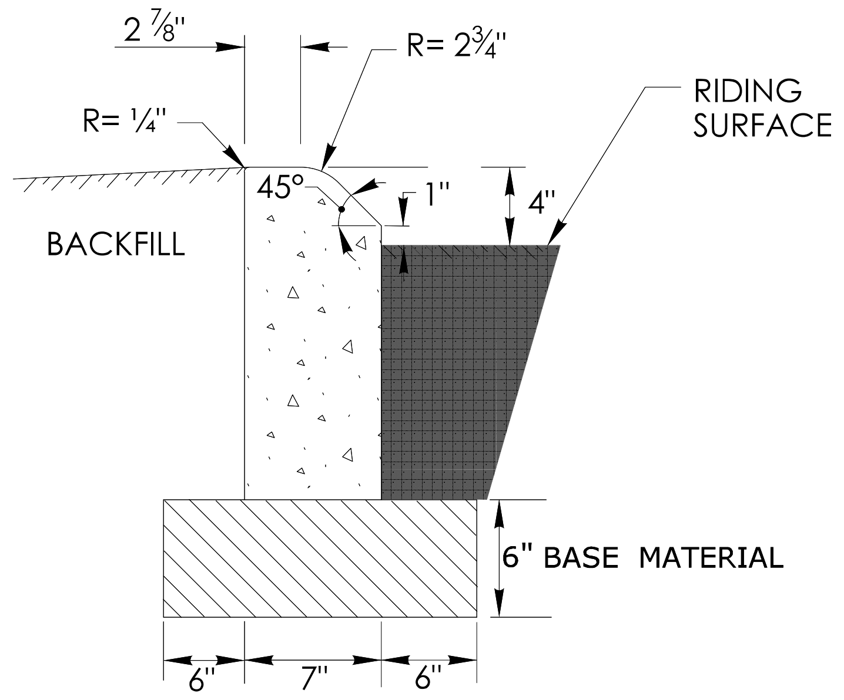
FRONT ELEVATION



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: 2022.09.27 14:41:41-04'00'

APPROVED BY:
Michael J. Calabrese
Digitally signed by Calabrese, Michael
Date: 2022.11.08 11:41:25-05'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
CONCRETE CURBNG

STANDARD SHEET NO.:
HW- 811_01

PLOTTED DATE: 9/21/2022