

WILLIAMS STREET IMPROVEMENTS

STATE PROJECT NO. 0094-258
FEDERAL AID PROJECT NO. PEDS(206) (PE)

NEW LONDON, CONNECTICUT

GENERAL NOTES:

- CONSTRUCTION SPECIFICATIONS: Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities, and Incidental Construction, Form 817, dated 2016, Supplemental Specifications dated July 2019, and Special Provisions
- 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983
- VERTICAL DATUM BASED ON NAVD 1988

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM THE CITY OR THE CITY'S REPRESENTATIVE.

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

DESIGN CRITERIA

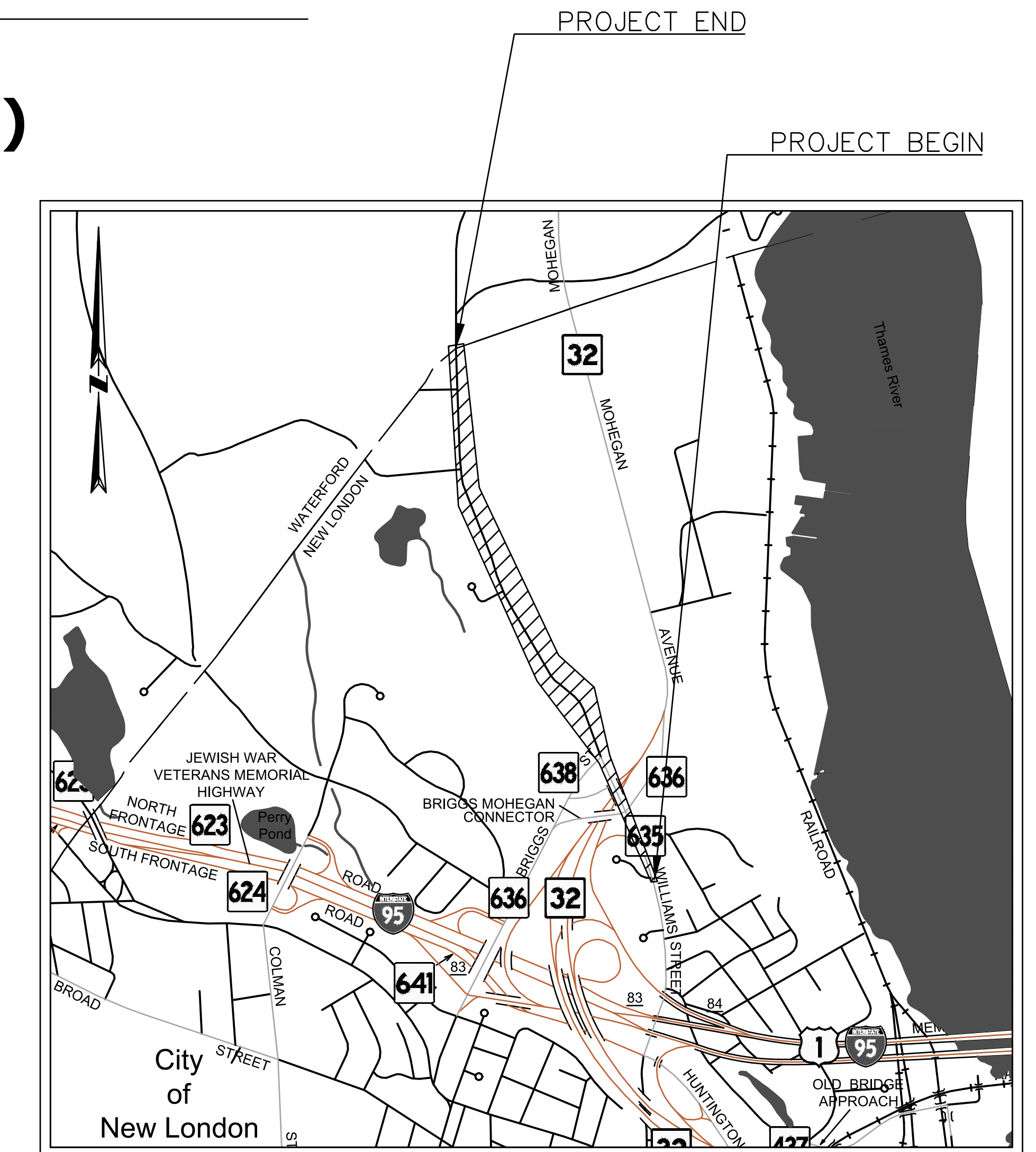
DESIGN STANDARD: CTDOT HIGHWAY DESIGN MANUAL, 2003 EDITION, INCLUDING REVISIONS TO FEBRUARY 2013

WILLIAMS STREET (STATE ROUTE 635) (SOUTH OF BRIGGS STREET)
 FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL
 POSTED SPEED: 25 MPH

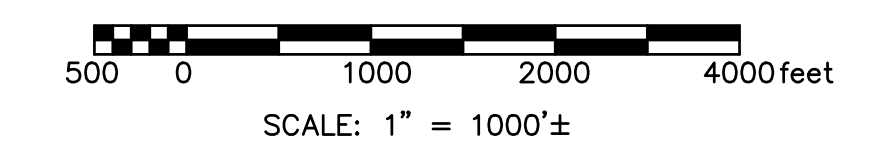
WILLIAMS STREET (LOCAL ROAD) (NORTH OF BRIGGS STREET)
 FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR
 POSTED SPEED: 25 MPH

SURVEY PERFORMED BY:
 BSC GROUP - CONNECTICUT, INC.
 DATE: NOVEMBER, 2018 - JULY, 2019

LIST OF DRAWINGS			
SHEET NO.	TITLE	SHEET NO.	STANDARD DRAWINGS
T-01	TITLE SHEET	HW_INX 1 - 2	HIGHWAY STANDARD SHEET INDEX
OV-01	OVERALL PLAN	HW-507_07	TYPE "C", "C-L" CATCH BASIN TOPS AND CURBS
EX-01 - EX-03	EXISTING CONDITIONS PLAN	HW-507_08	CATCH BASIN FRAMES AND GRATES
TYP-01 - TYP-02	TYPICAL SECTIONS	HW-813_02	STONE CURBING
ESC-01	EROSION & SEDIMENTATION CONTROL DETAILS	HW-921_01	DRIVEWAY RAMP AND SIDEWALKS
MDS-01 - MDS-13	MISCELLANEOUS DETAILS	HW-949_01A	LANDSCAPE PLANTING
GEN-01 - GEN-04	GENERAL PLAN	HW-949_01B	TREE STAKING
PMS-01 - PMS-03	PAVEMENT MARKING & SIGNAGE PLAN		
SGP-01 - SGP-03	SIDEWALK GRADING PLAN	TR-STD_INDEX	TRAFFIC STANDARD SHEET INDEX
IGP-01	INTERSECTION GRADING PLAN	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)
TMP-01	TRAFFIC MANAGEMENT PLAN	TR-1010_01	CONCRETE HANDHOLE
UT-01	UTILITY POLE RELOCATION PLAN (FOR INFORMATION ONLY)	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT
-	TRAFFIC CONTROL SIGNAL LAYOUT	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS
		TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
		TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS
		TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS
		TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
		TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES



PROJECT LOCATION PLAN



CONSTRUCTION DOCUMENTS FOR ROADWAY AND SIDEWALK IMPROVEMENTS IN THE CITY OF NEW LONDON, CT

FROM STA. 32+50 TO STA. 89+89 ON WILLIAMS STREET

TO BE MAINTAINED BY THE CITY OF NEW LONDON

PLANS FOR:
WILLIAMS STREET IMPROVEMENTS
NEW LONDON, CONNECTICUT, 06320

LEGEND		ABBREVIATIONS	
□	MONUMENT	N/F	NOW OR FORMERLY
⊙	IRON ROD	MON	MONUMENT
⊗	IRON PIPE	IR	IRON ROD/REBAR
⊕	DISK	IP	IRON PIPE
⊙	CONTROL POINT	(F)	FOUND
⊙	UTILITY POLE	AG	ABOVE GRADE
⊙	UTILITY POLE WITH LIGHT	BG	BELOW GRADE
⊙	GUY POLE	CONC	CONCRETE
⊙	SIGNAL POLE, TRAFFIC	BIT	BIT
⊙	SIGNAL, PEDESTRIAN	SWLK	SIDEWALK
⊙	MANHOLE, ELECTRIC	FP	FLAG POLE
⊙	MANHOLE, SANITARY	MB	MAILBOX
⊙	MANHOLE, STORM	CB	CATCH BASIN
⊙	MANHOLE, TELEPHONE	(R)	RECORD
⊙	MANHOLE, OTHER	SAN	SANITARY SEWER
⊙	CATCH BASIN	DIP	STORM PIPE, DUCTILE IRON
⊙	HYDRANT	VTP	STORM PIPE, VITREOUS TILE
⊙	GAS METER	RCP	STORM PIPE, CONCRETE
⊙	WATER METER	CMP	STORM PIPE, METAL
⊙	WATER GATE	CHD	CONNECTICUT HIGHWAY DEPARTMENT
⊙	GAS GATE	SSWL	SOLID SINGLE WHITE LINE
⊙	HAND HOLE, TELEPHONE	DSWL	DASHED SINGLE WHITE LINE
⊙	HAND HOLE, ELECTRIC	DYCL	DOUBLE YELLOW CENTER LINE
⊙	HAND HOLE, OTHER	DDYCL	DASHED DOUBLE YELLOW CENTER LINE
⊙	DECIDUOUS TREE		
⊙	CONIFER TREE		
⊙	SHRUB		
⊙	SCULPTURE/STATUE/MONUMENT		
⊙	POST, METAL		
⊙	MAILBOX		
⊙	SIGN		
⊙	LIGHT POLE		
⊙	FLAG POLE		
—G—	UNDERGROUND UTILITY, GAS		
—E—	UNDERGROUND UTILITY, ELECTRIC		
—W—	UNDERGROUND UTILITY, WATER		
—S—	UNDERGROUND UTILITY, SANITARY		
—T—	UNDERGROUND UTILITY, STORM		
—LP—	UNDERGROUND UTILITY, LIGHTING		
—OW—	OVERHEAD WIRE		
—	BRUSHLINE		
—	FENCE, CHAINLINK		
—	FENCE, PICKET		
—	FENCE, IRON		
—	WALL, STONE		
—	BOUNDARY, HIGHWAY LINE		
—	BOUNDARY, ABUTTER PROPERTY		
—	PROPOSED CONCRETE SIDEWALK		

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

SUBMITTED BY: ROBERT NEWTON, PE

APPROVAL BY:

APPROVAL BY:

PLANS PREPARED FOR:

CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320

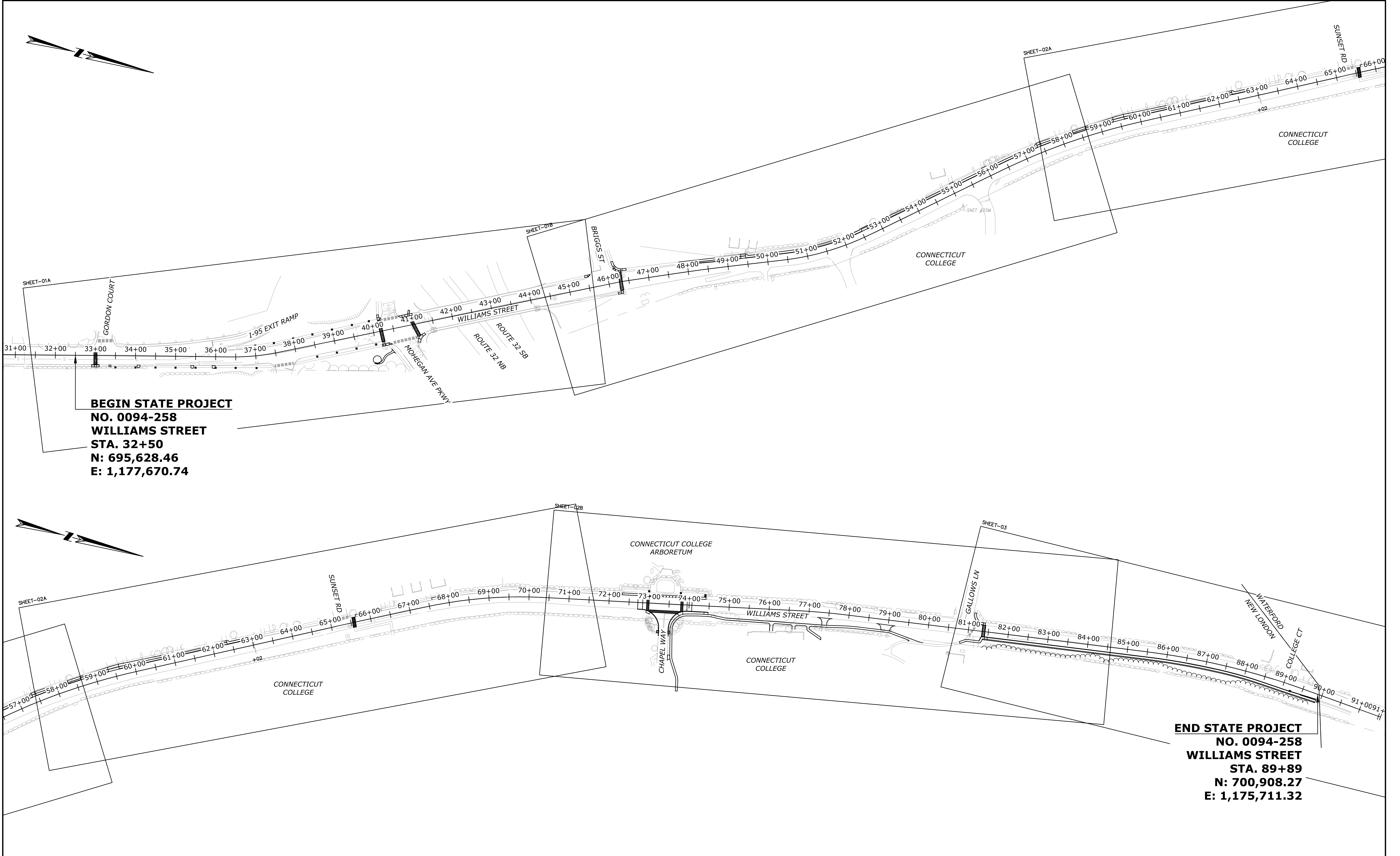
PLANS PREPARED BY:

BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

ISSUED FOR PUBLIC BID NO. 2021-01 - JULY 14, 2020

REV.	DATE	REVISION DESCRIPTION

T-01



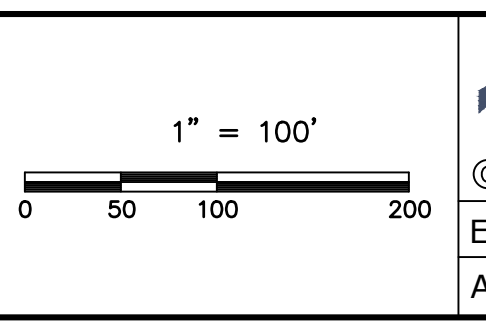
BEGIN STATE PROJECT
NO. 0094-258
WILLIAMS STREET
STA. 32+50
N: 695,628.46
E: 1,177,670.74

END STATE PROJECT
NO. 0094-258
WILLIAMS STREET
STA. 89+89
N: 700,908.27
E: 1,175,711.32

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-OV.DWG

PREPARED FOR:
 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

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ENGINEER: MS
 DATE: JULY 14, 2020

APPROVED BY: ROBERT NEWTON, PE
 No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

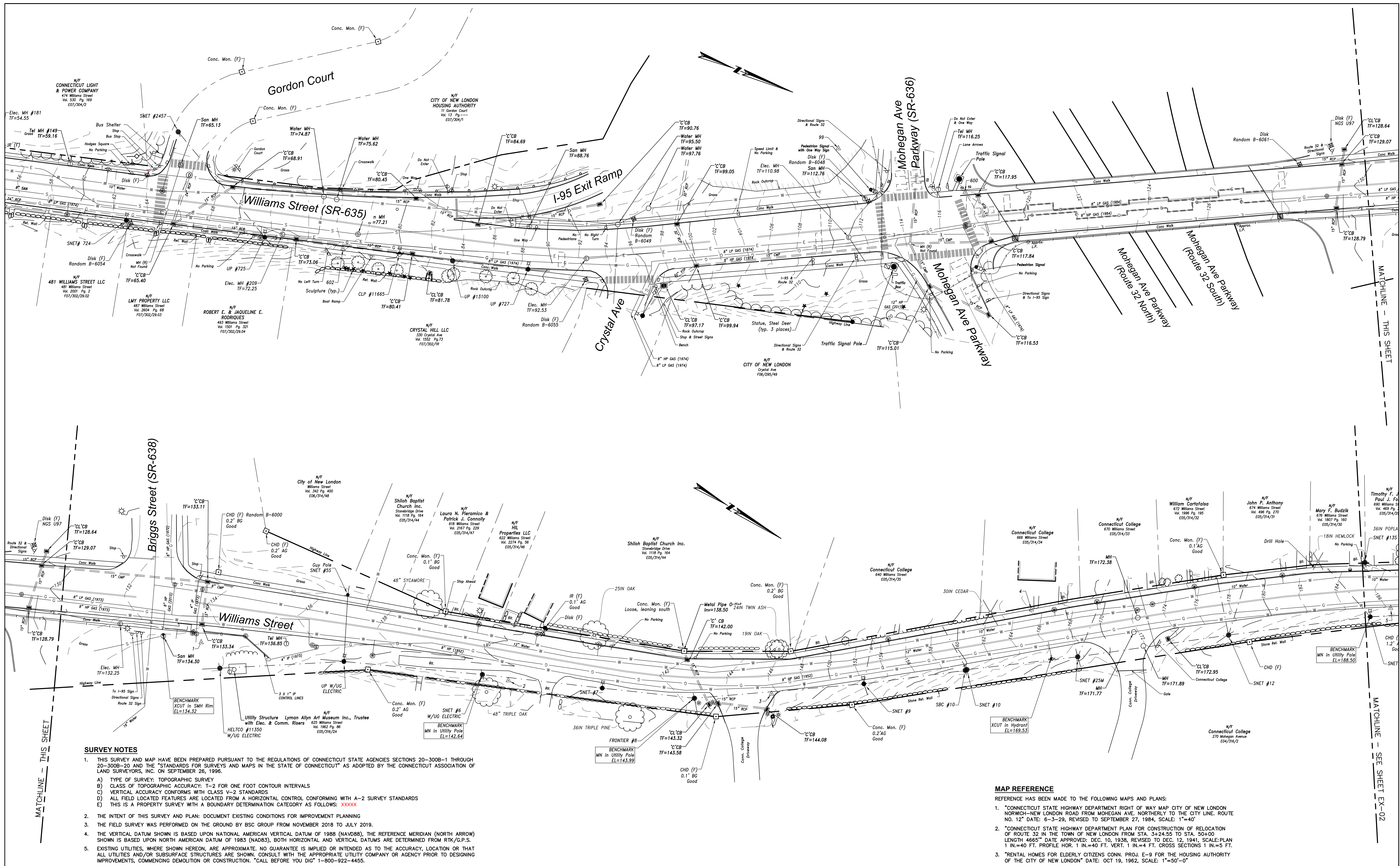
TOWN:
 NEW LONDON

DRAWING TITLE:
 OVERALL PLAN

PROJECT NO.
 0094-0258

DRAWING NO.
 OV-01

SHEET NO.



SURVEY NOTES

- THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
 - TYPE OF SURVEY: TOPOGRAPHIC SURVEY
 - CLASS OF TOPOGRAPHIC ACCURACY: T-2 FOR ONE FOOT CONTOUR INTERVALS
 - VERTICAL ACCURACY CONFORMS WITH CLASS V-2 STANDARDS
 - ALL FIELD LOCATED FEATURES ARE LOCATED FROM A HORIZONTAL CONTROL CONFORMING WITH A-2 SURVEY STANDARDS
 - THIS IS A PROPERTY SURVEY WITH A BOUNDARY DETERMINATION CATEGORY AS FOLLOWS: XXXXX
- THE INTENT OF THIS SURVEY AND PLAN: DOCUMENT EXISTING CONDITIONS FOR IMPROVEMENT PLANNING
- THE FIELD SURVEY WAS PERFORMED ON THE GROUND BY BSC GROUP FROM NOVEMBER 2018 TO JULY 2019.
- THE VERTICAL DATUM SHOWN IS BASED UPON NATIONAL AMERICAN VERTICAL DATUM OF 1988 (NAVD88), THE REFERENCE MERIDIAN (NORTH ARROW) SHOWN IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD83), BOTH HORIZONTAL AND VERTICAL DATUMS ARE DETERMINED FROM RTK/G.P.S.
- EXISTING UTILITIES, WHERE SHOWN HEREON, ARE APPROXIMATE. NO GUARANTEE IS IMPLIED OR INTENDED AS TO THE ACCURACY, LOCATION OR THAT ALL UTILITIES AND/OR SUBSURFACE STRUCTURES ARE SHOWN. CONSULT WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY PRIOR TO DESIGNING IMPROVEMENTS, COMMENCING DEMOLITION OR CONSTRUCTION. "CALL BEFORE YOU DIG" 1-800-922-4455.

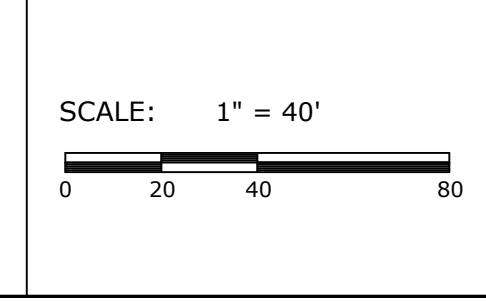
MAP REFERENCE

- REFERENCE HAS BEEN MADE TO THE FOLLOWING MAPS AND PLANS:
- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP CITY OF NEW LONDON NORWICH-NEW LONDON ROAD FROM MOHEGAN AVE. NORTHERLY TO THE CITY LINE. ROUTE NO. 12" DATE: 6-3-29, REVISED TO SEPTEMBER 27, 1984, SCALE: 1"=40'
 - "CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF RELOCATION OF ROUTE 32 IN THE TOWN OF NEW LONDON FROM STA. 3+24.55 TO STA. 50+00. LENGTH 4665' DATE APPROVED: DEC. 10, 1938, REVISED TO DEC. 12, 1941, SCALE: PLAN 1 IN.=40 FT. PROFILE HOR. 1 IN.=40 FT. VERT. 1 IN.=4 FT. CROSS SECTIONS 1 IN.=5 FT.
 - "RENTAL HOMES FOR ELDERLY CITIZENS CONN. PROJ. E-9 FOR THE HOUSING AUTHORITY OF THE CITY OF NEW LONDON" DATE: OCT 19, 1962, SCALE: 1"=50'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372701_XCP_PROJECT_CONTINUATION.DWG

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

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 ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

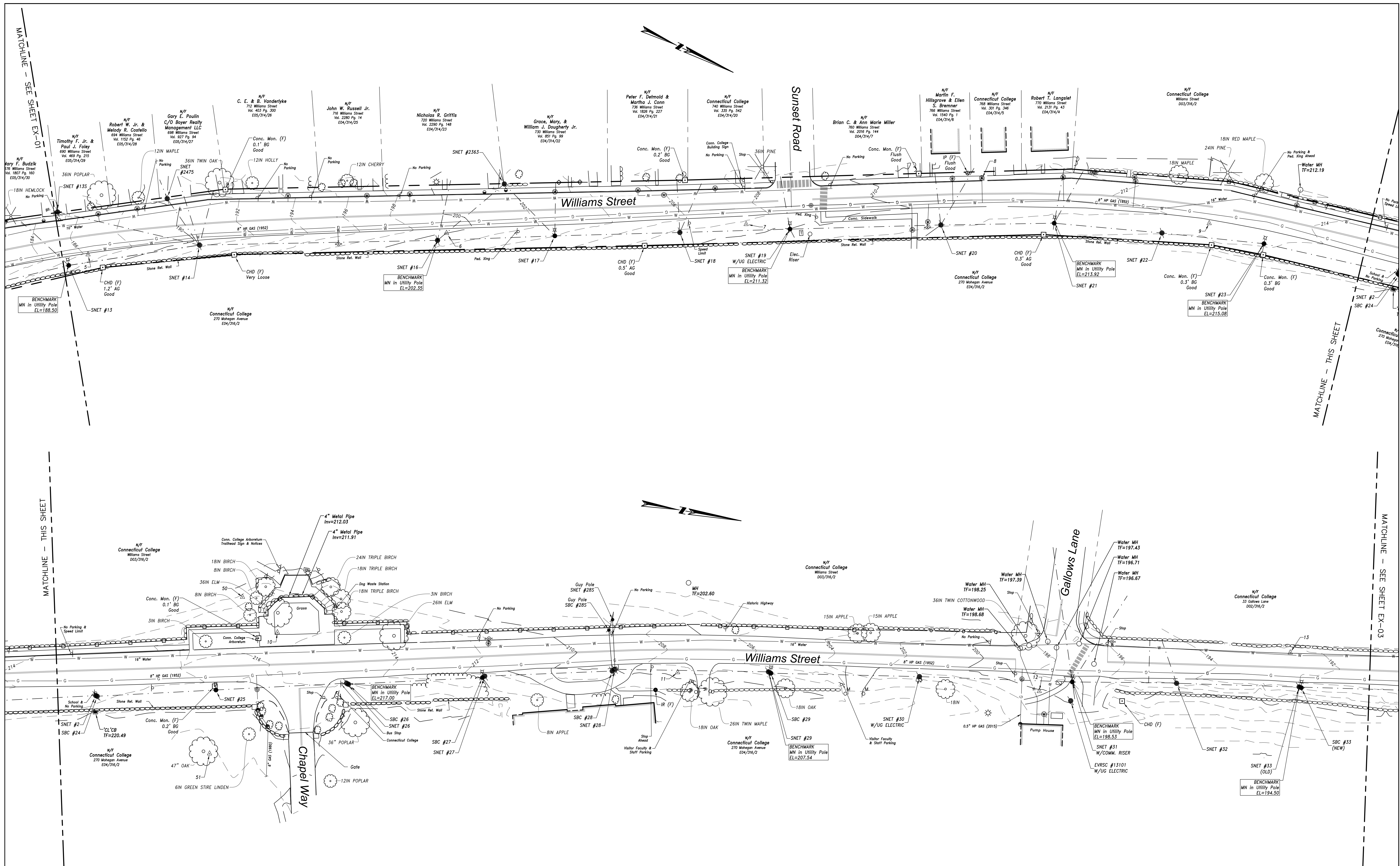
TOWN:
NEW LONDON

DRAWING TITLE:
EXISTING CONDITIONS PLAN

PROJECT NO.
0094-0258

DRAWING NO.
EX-01

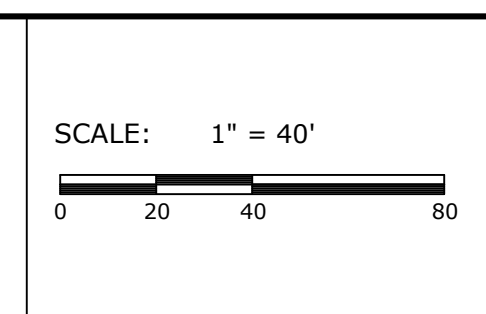
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372701_XCP_PROJECT_CONTINUATION.DWG

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
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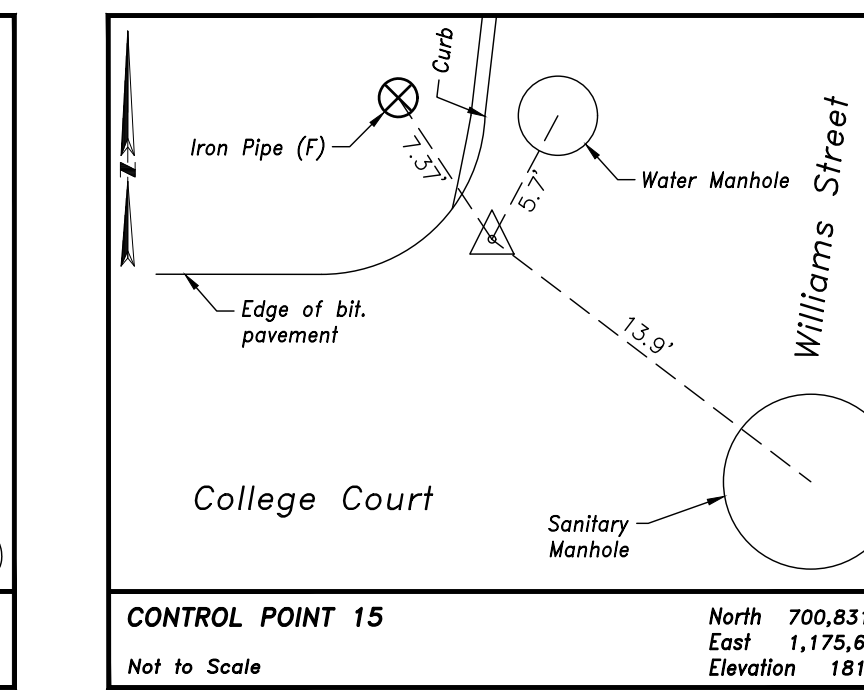
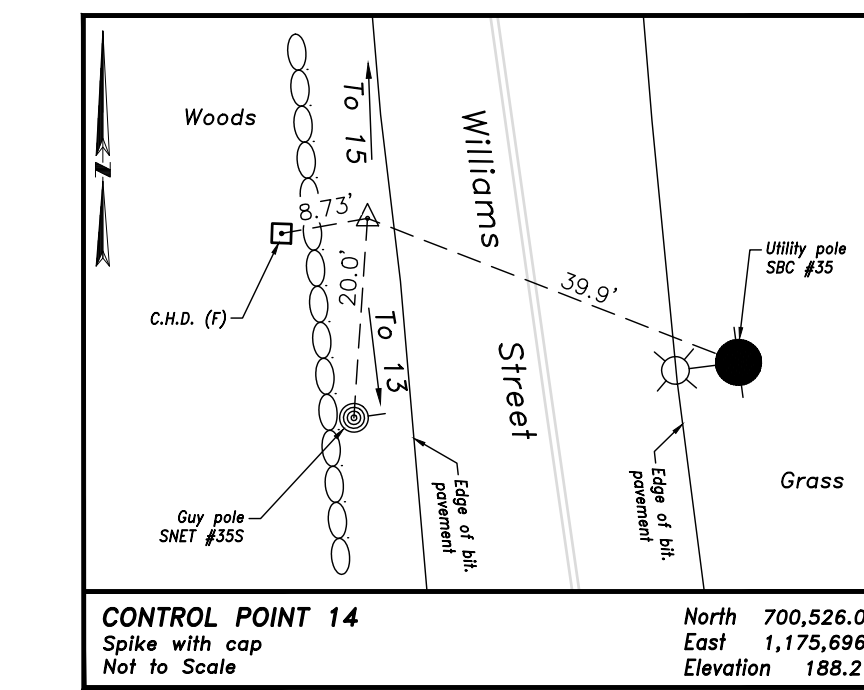
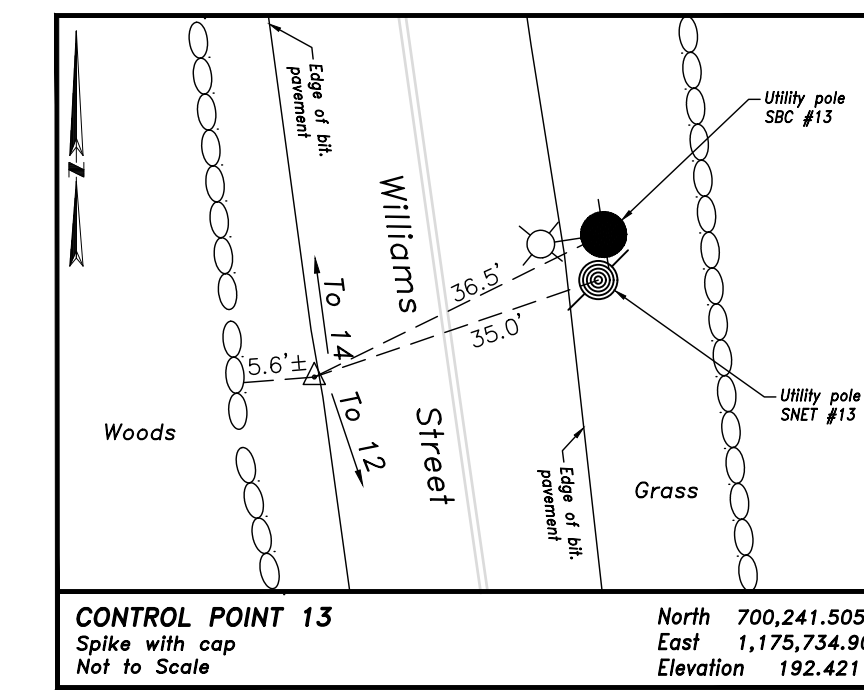
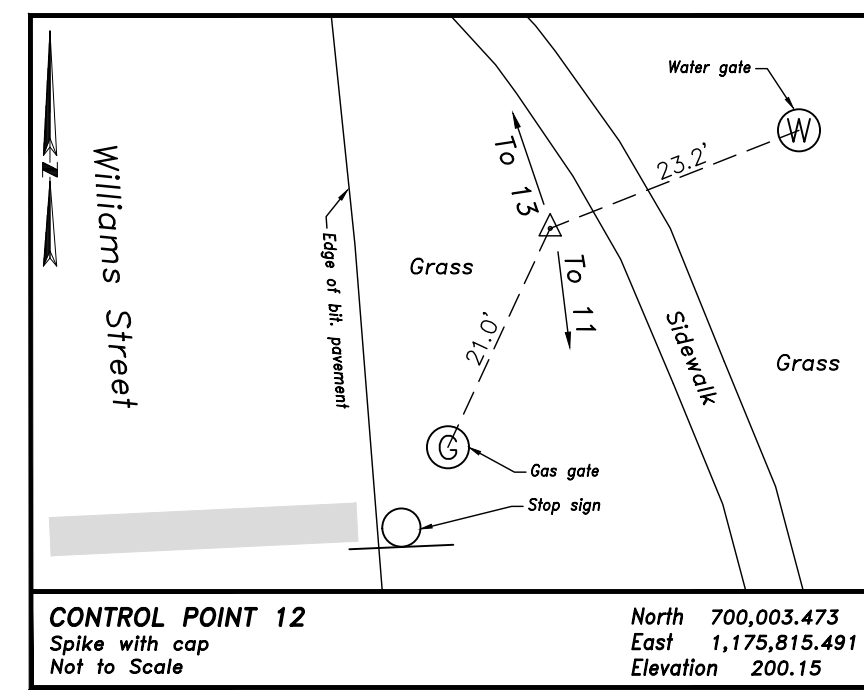
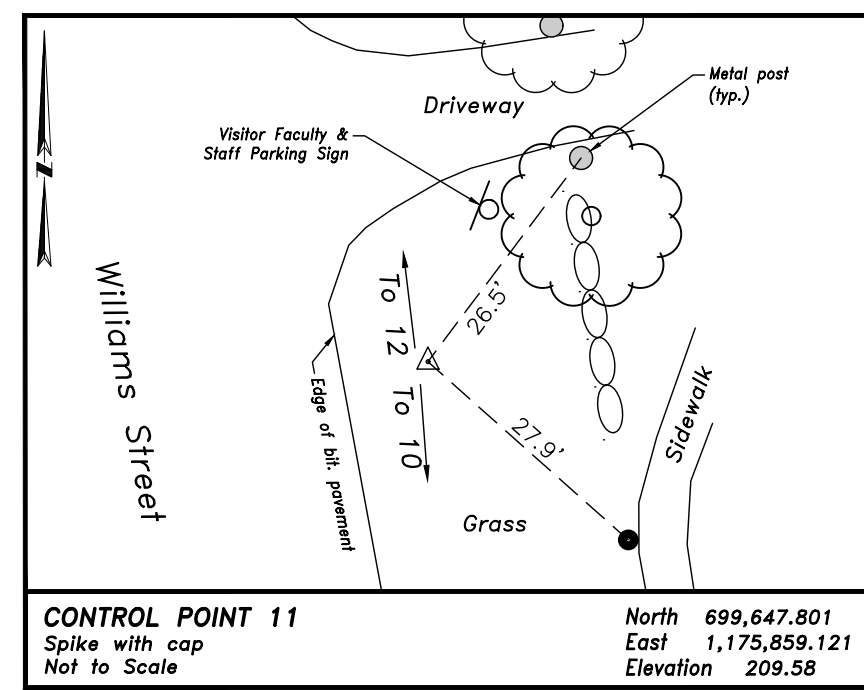
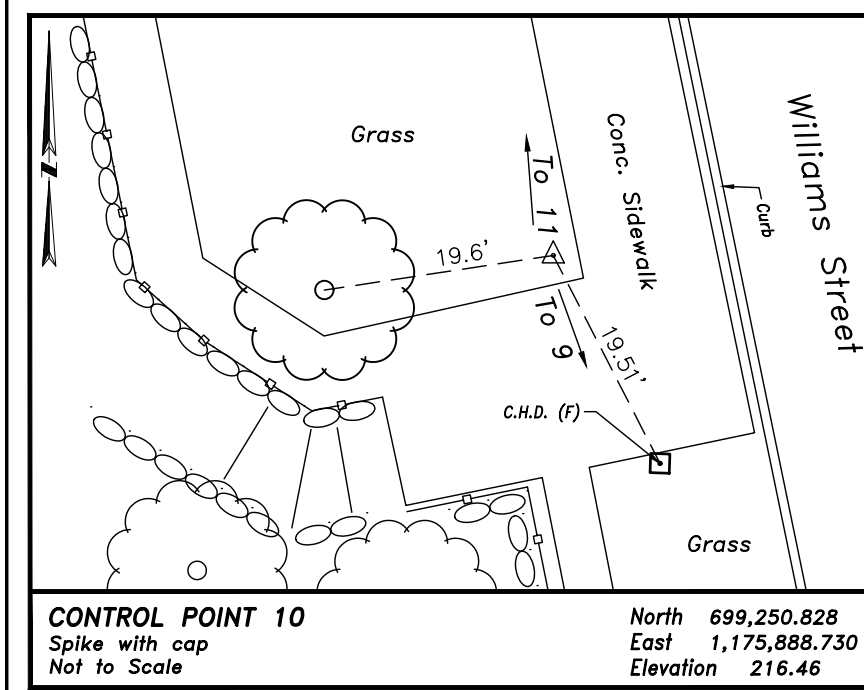
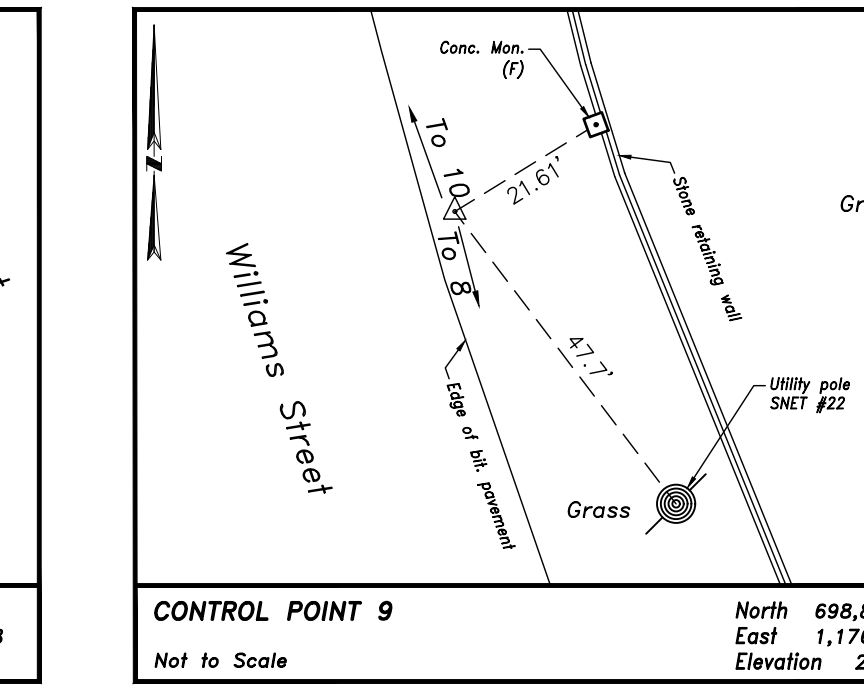
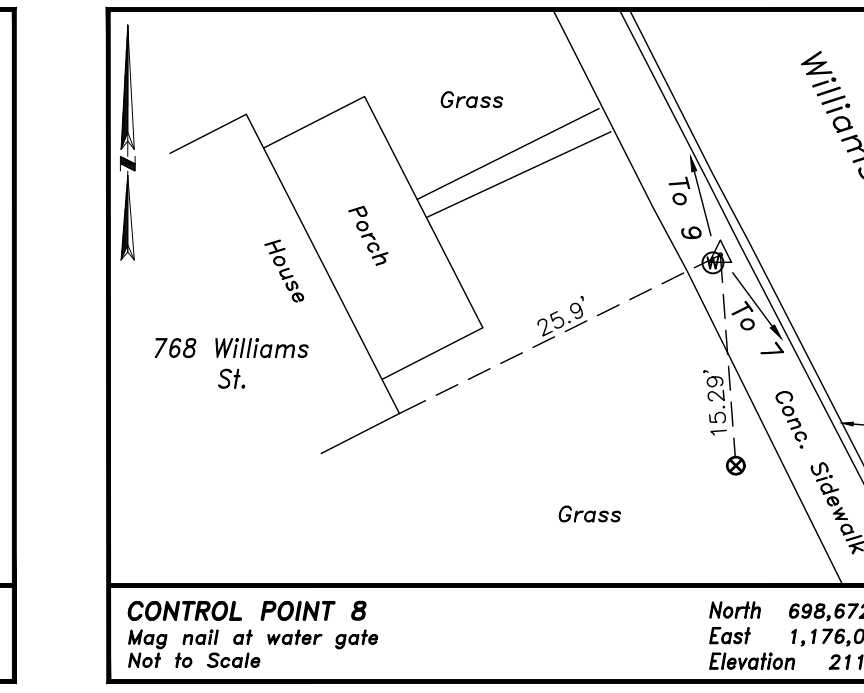
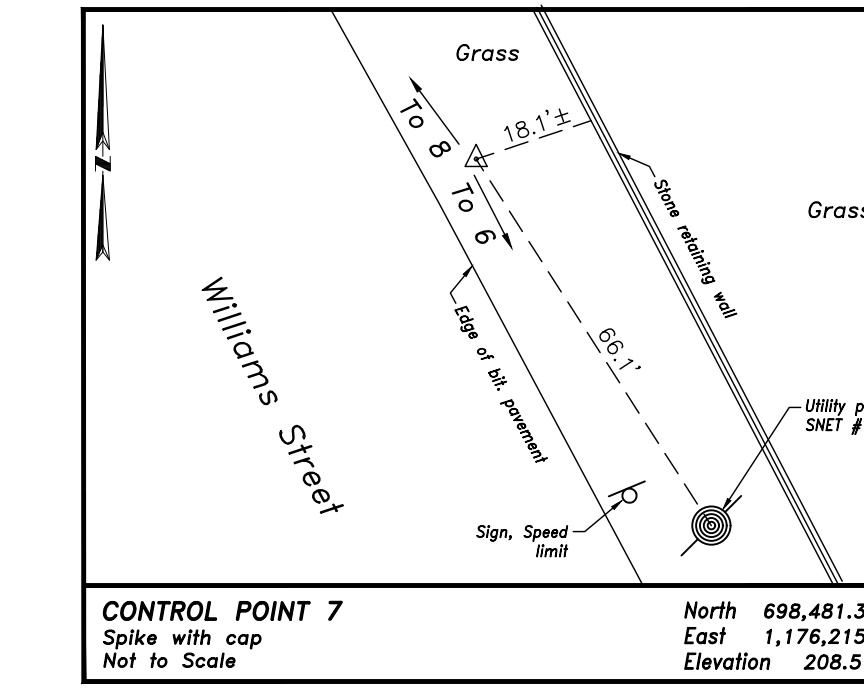
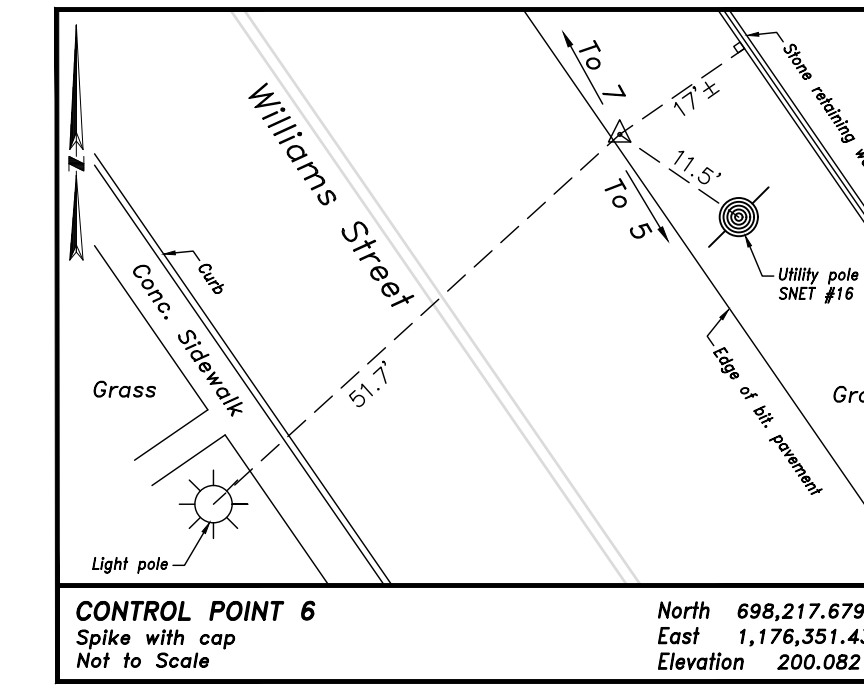
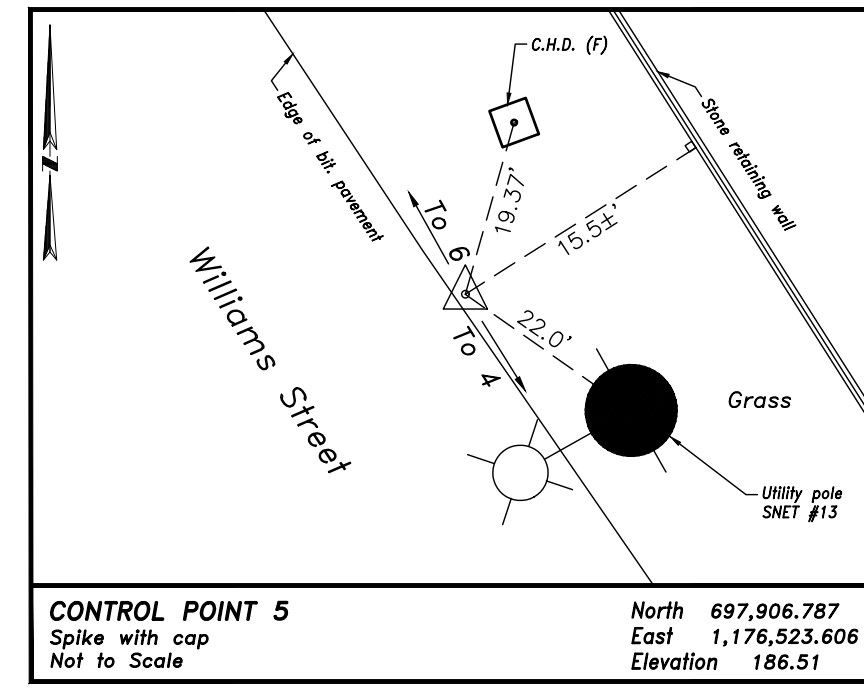
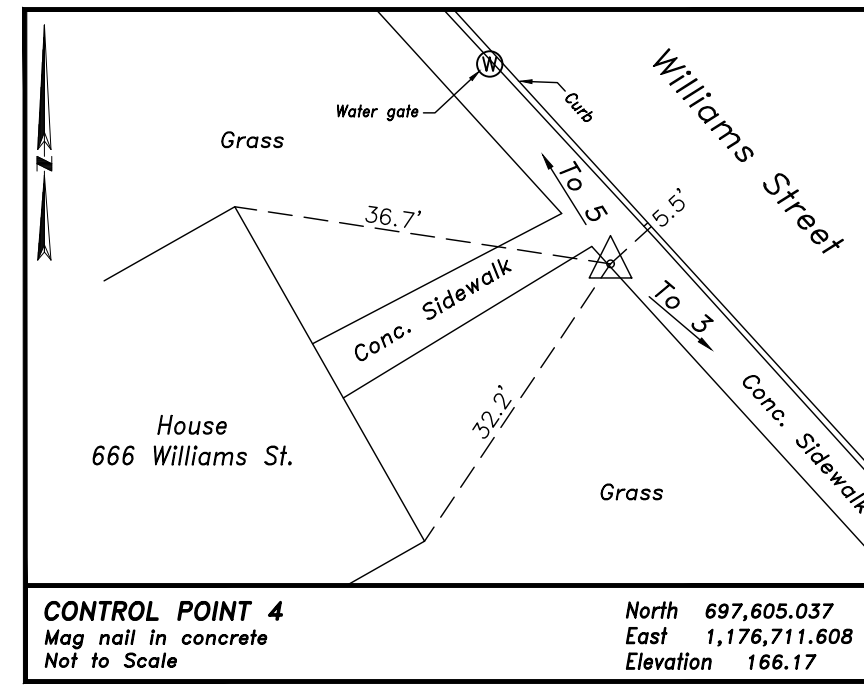
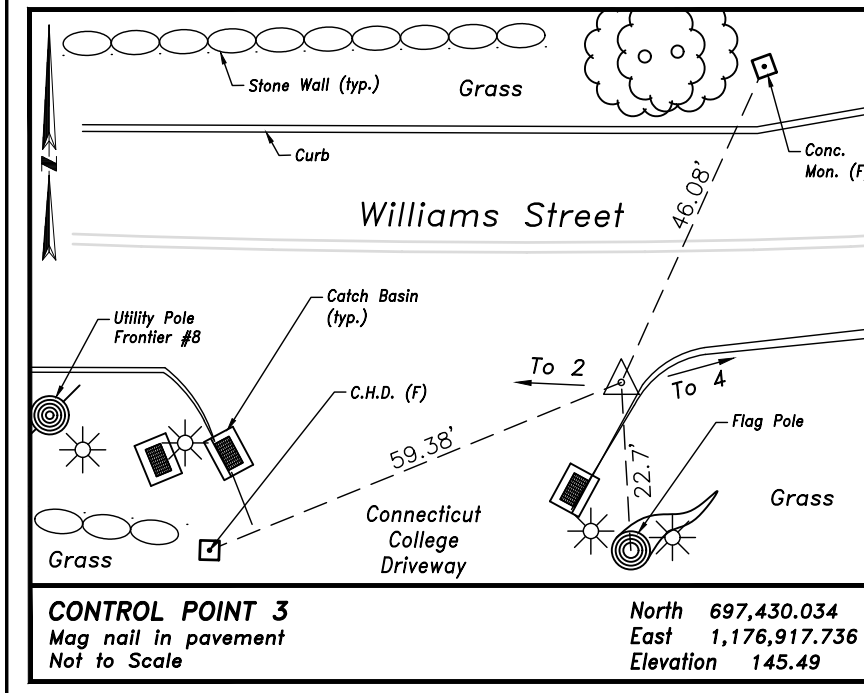
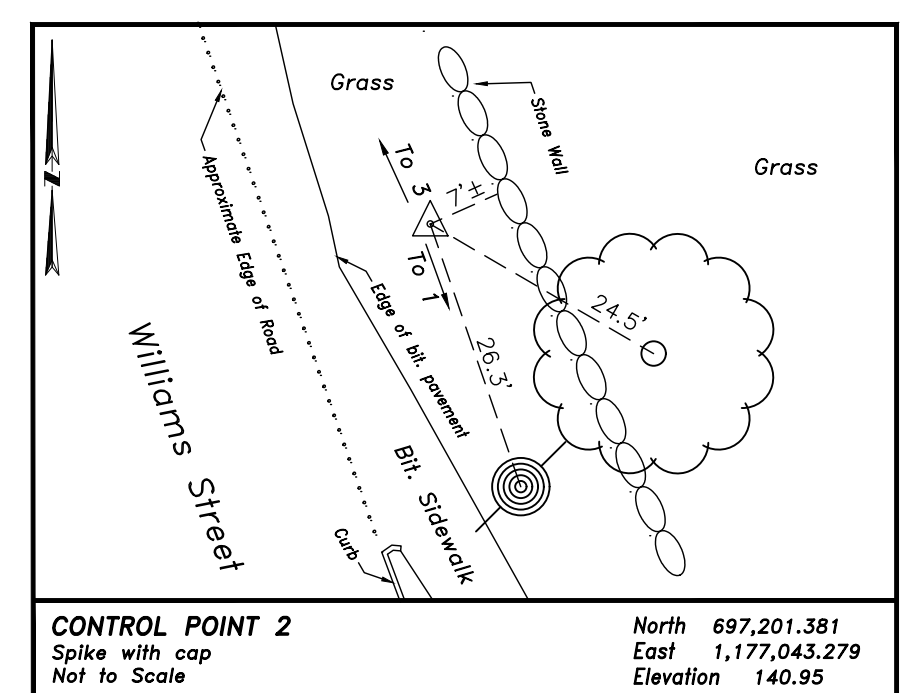
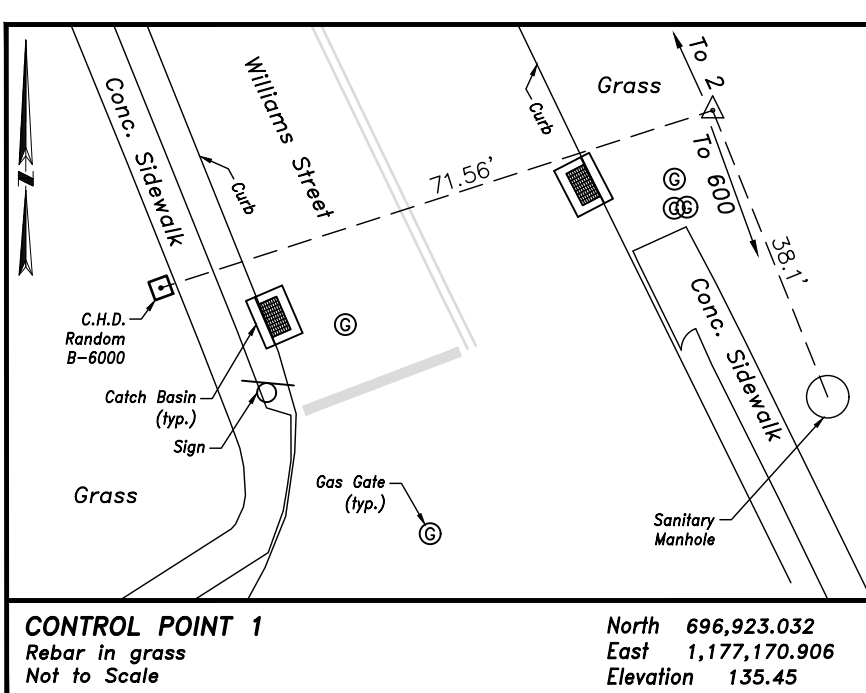
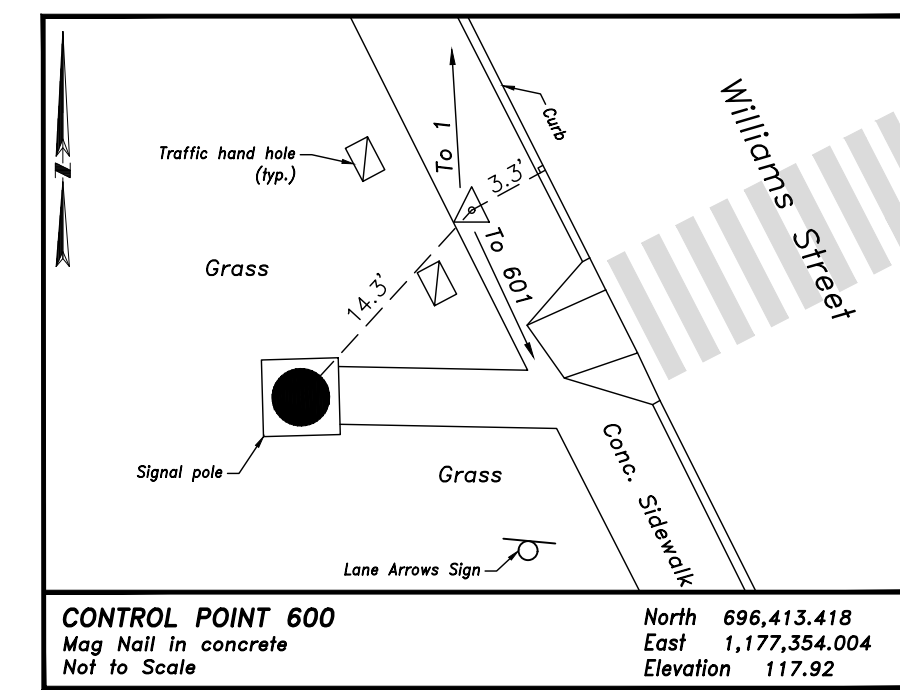
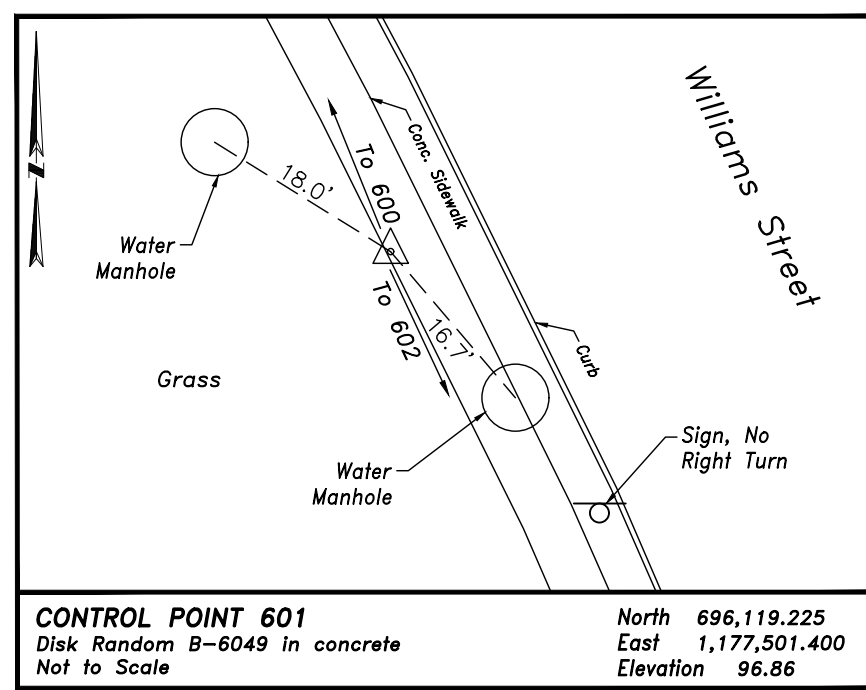
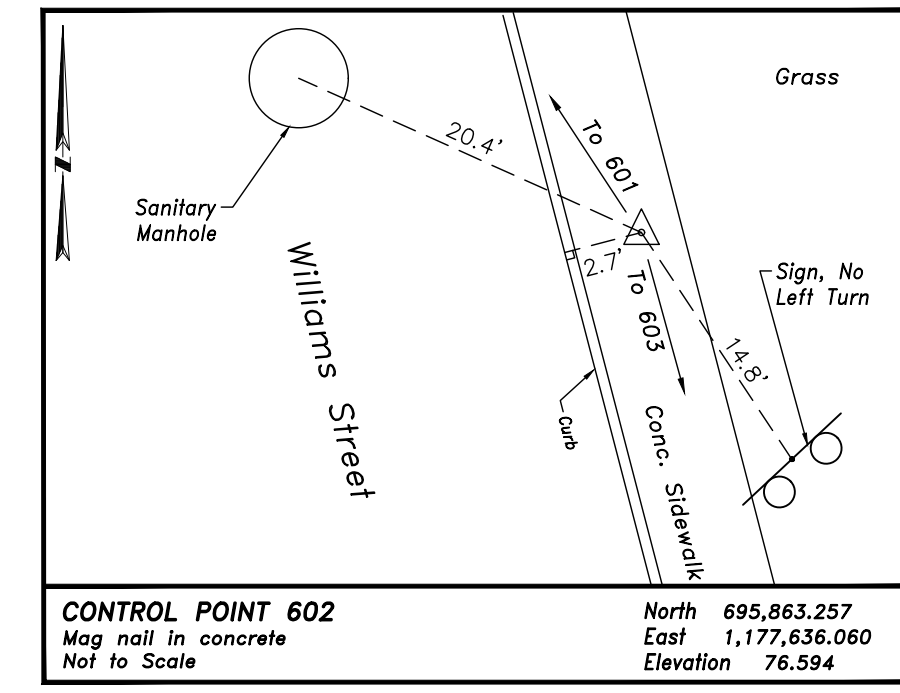
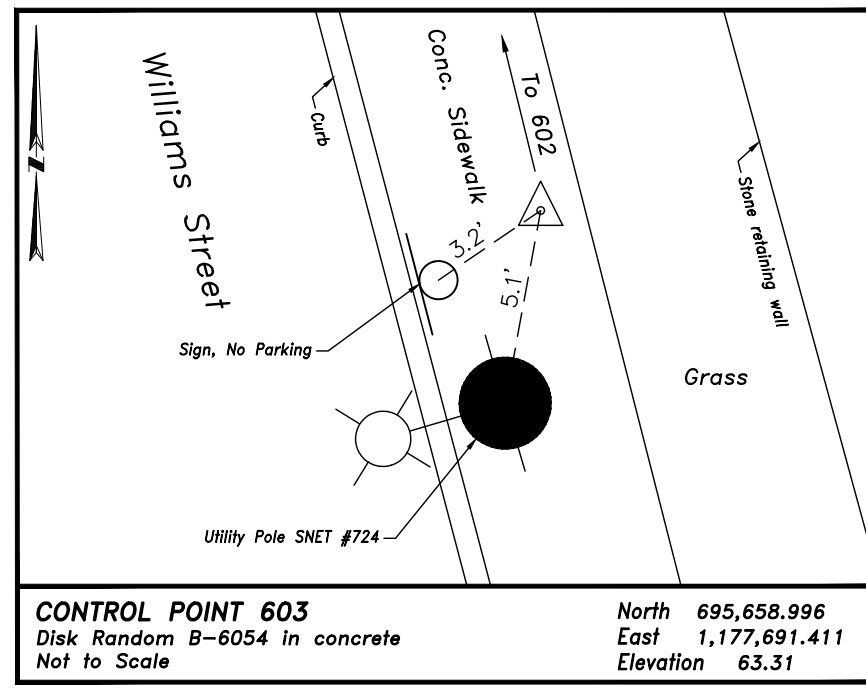
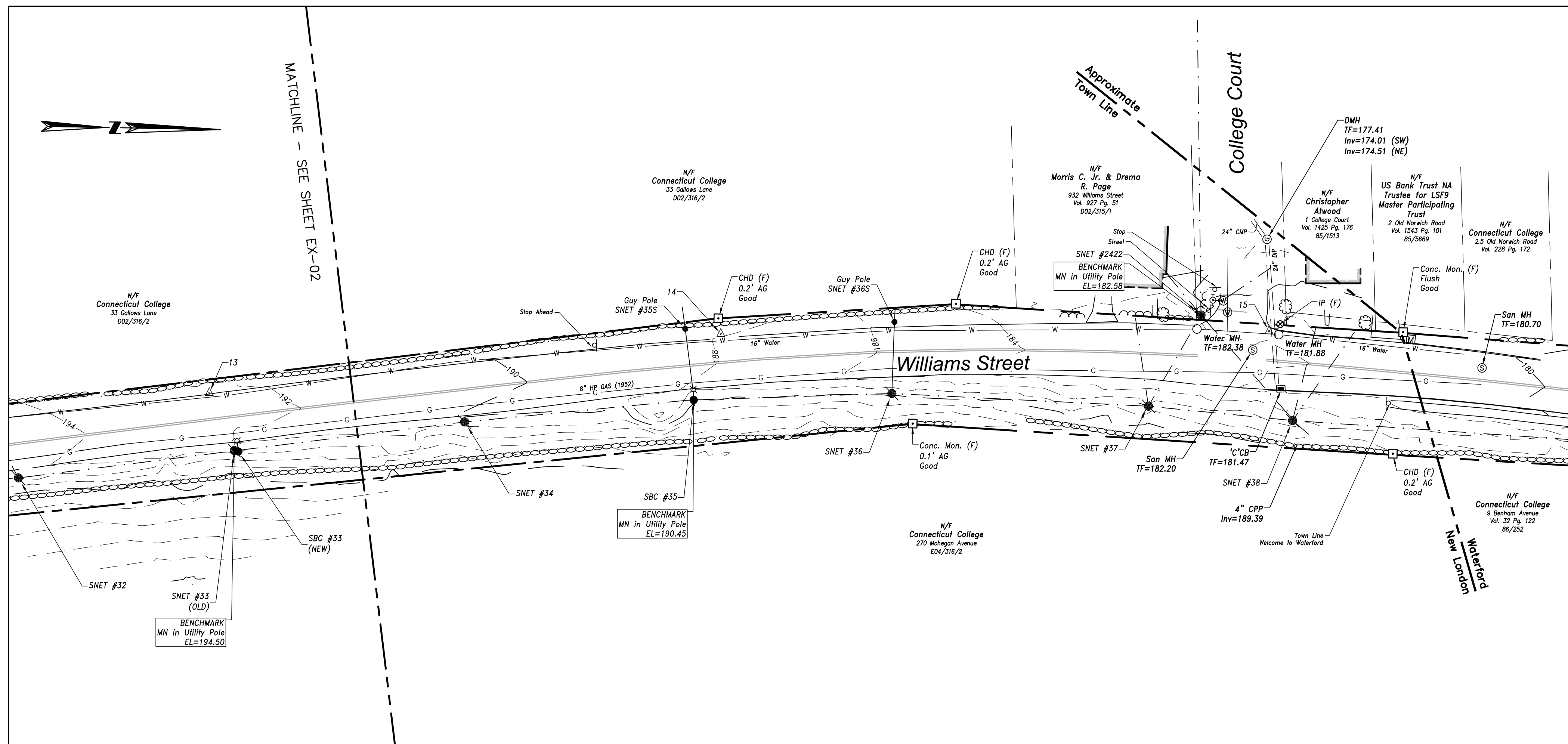
TOWN:
NEW LONDON

DRAWING TITLE:
EXISTING CONDITIONS PLAN

PROJECT NO.
0094-0258

DRAWING NO.
EX-02

SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PREPARED FOR:
 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320

FILENAME: 8372701_XCP_PROJECT_CONTINUATION.DWG

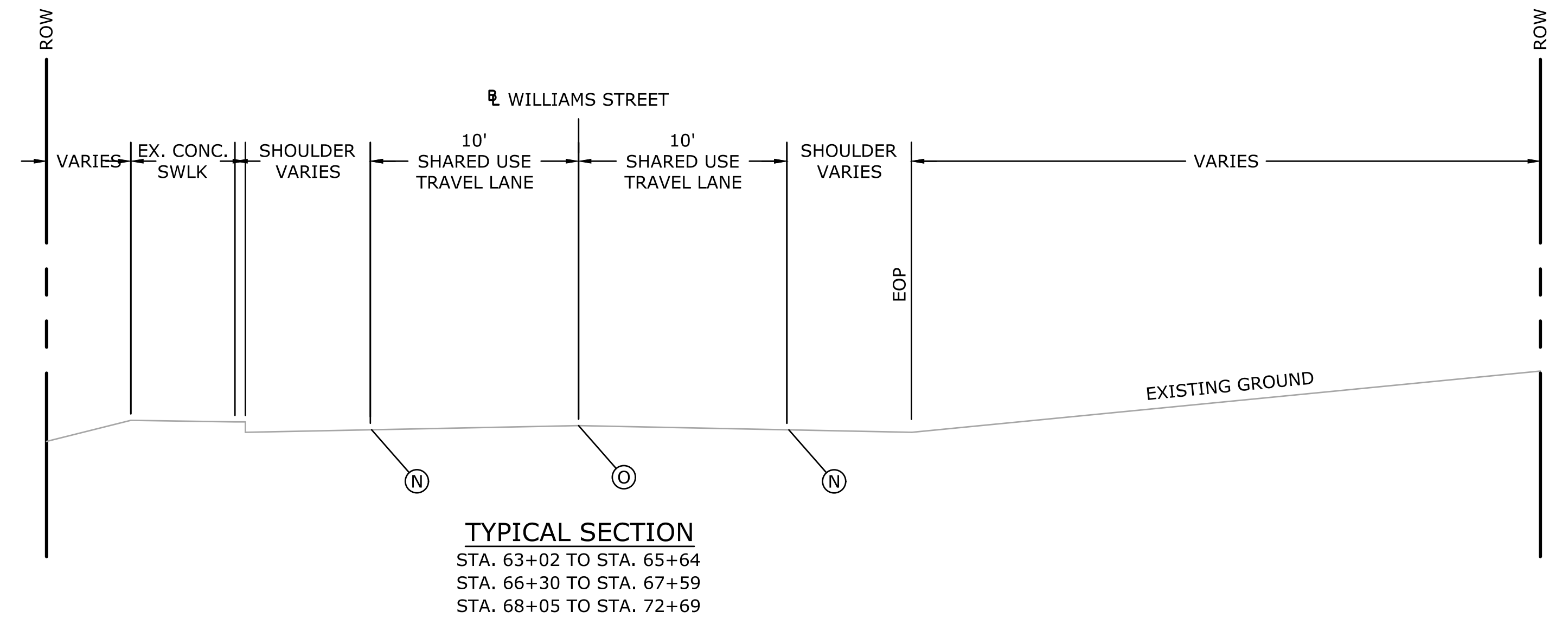
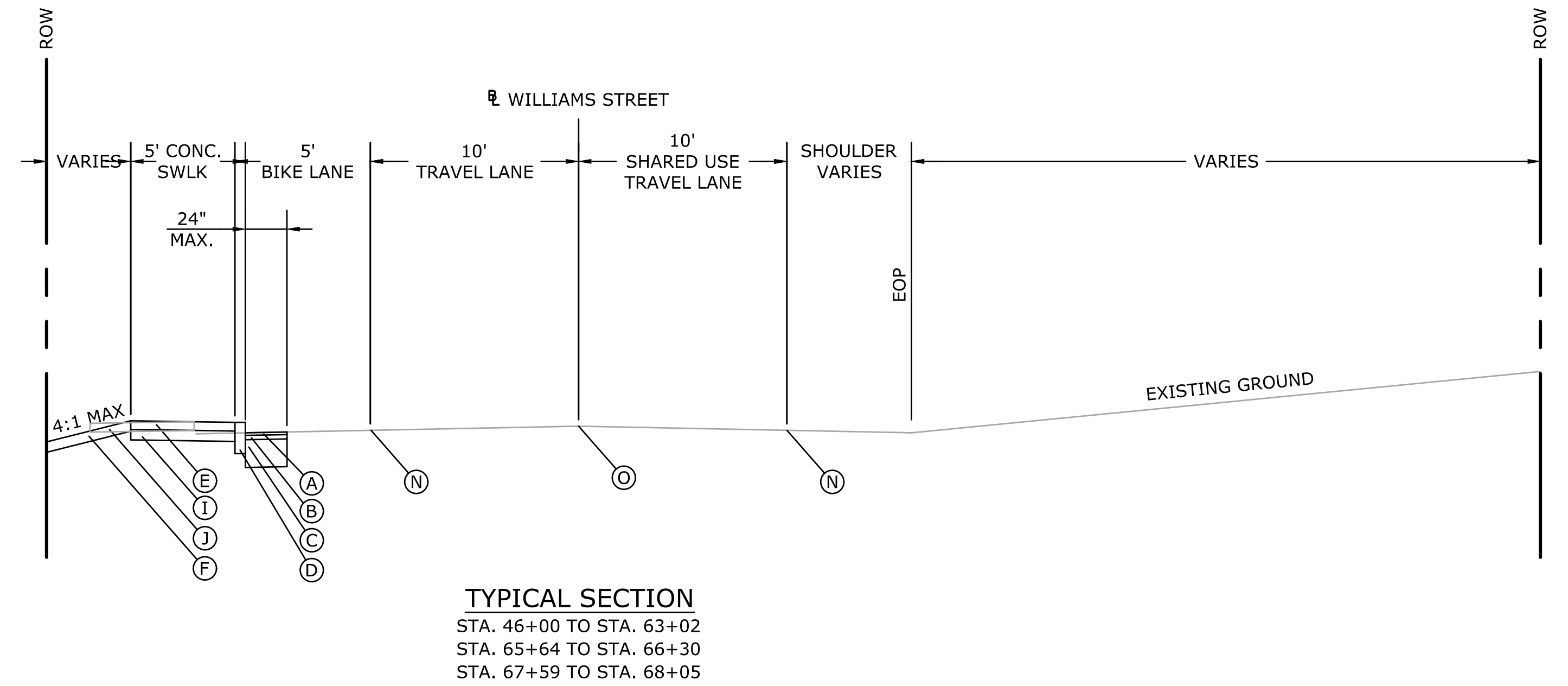
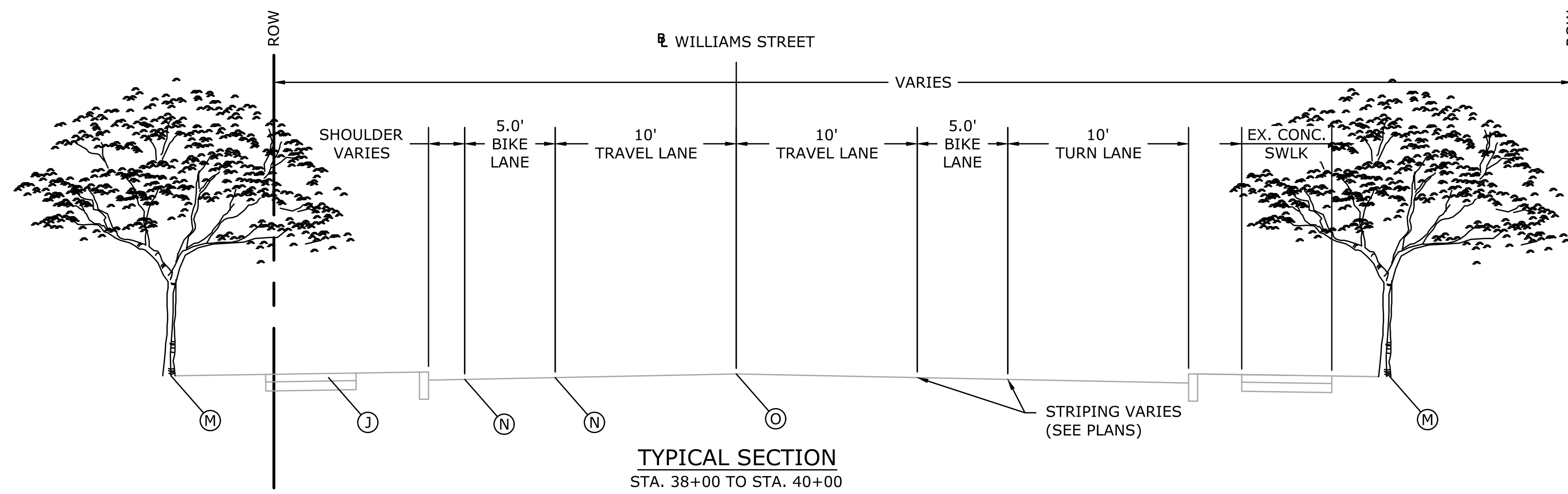
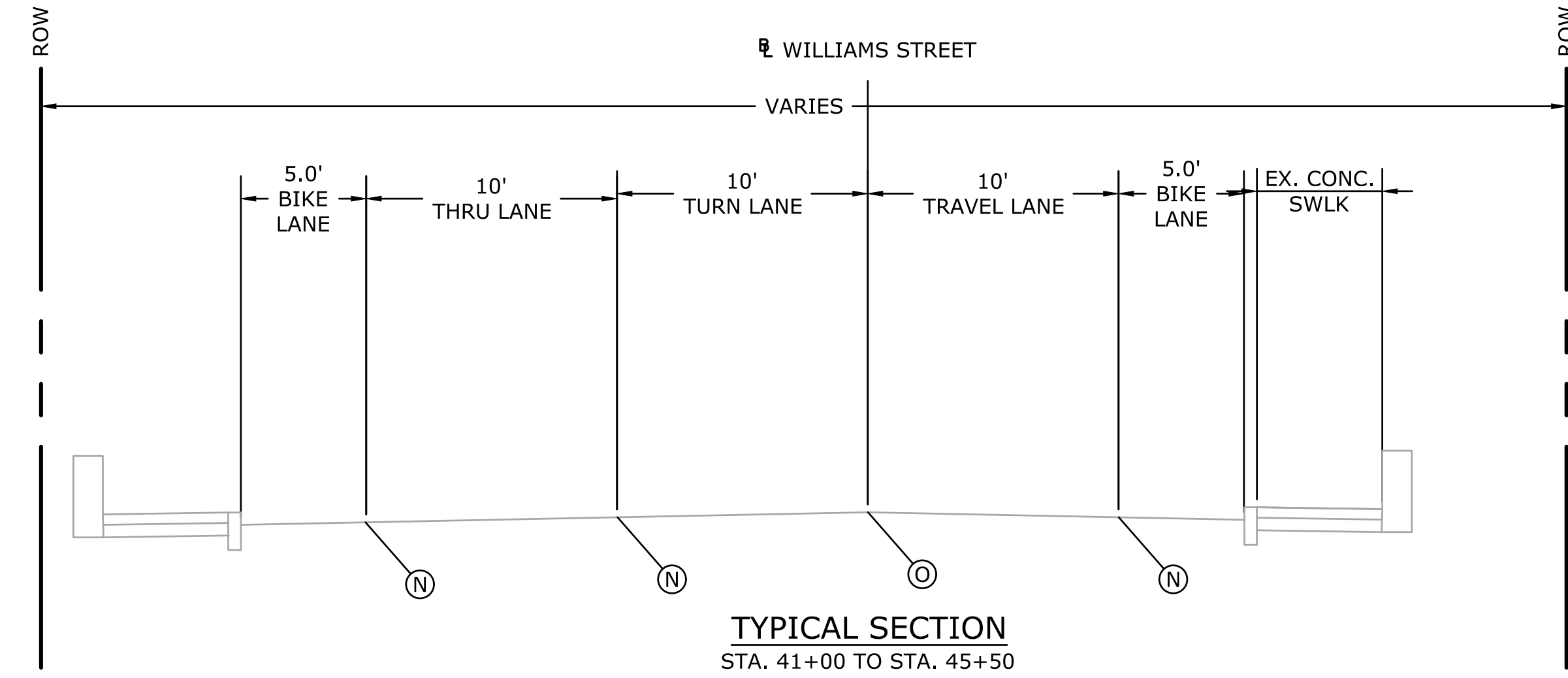
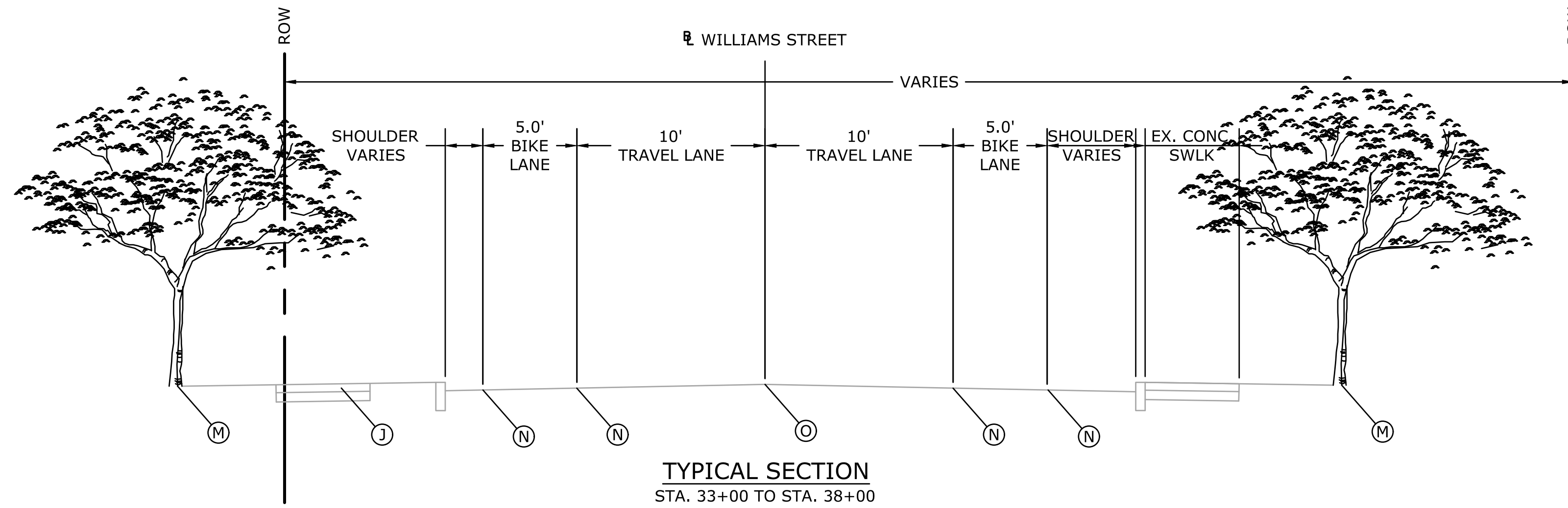
SCALE: 1" = 40'

BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

ENGINEER: MS
 DATE: JULY 14, 2020

APPROVED BY: ROBERT NEWTON, PE
 No. 20662

PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258
DRAWING TITLE: EXISTING CONDITIONS PLAN		DRAWING NO. EX-03
		SHEET NO.

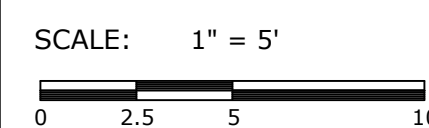


LEGEND

- (A) - 1.5" HMA S0.375 TRAFFIC LEVEL 2
- (B) - 2.5" HMA S0.5 TRAFFIC LEVEL 2
- (C) - 16" SUBBASE
- (D) - 6" GRANITE STONE CURBING
- (E) - 5" CONCRETE SIDEWALK
- (F) - 6" TOPSOIL AND SEED
- (G) - EXISTING STONE WALL
- (H) - RELOCATED UTILITY POLE
- (I) - 6" PROCESSED AGGREGATE BASE
- (J) - EXISTING SIDEWALK TO BE REMOVED
- (K) - RESET STONE WALL (IF REQ'D)
- (L) - EROSION CONTROL MATTING TYPE D
- (M) - STREET TREE
- (N) - 4" SOLID SINGLE WHITE LINE
- (O) - DOUBLE YELLOW CENTER LINE

PREPARED FOR:

CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320



655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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ENGINEER: MS

DATE: JULY 14, 2020

APPROVED BY: ROBERT NEWTON, PE

No. 20662

PROJECT TITLE:

WILLIAMS STREET IMPROVEMENTS

TOWN:

NEW LONDON

DRAWING TITLE:

TYPICAL SECTIONS

PROJECT NO.

0094-0258

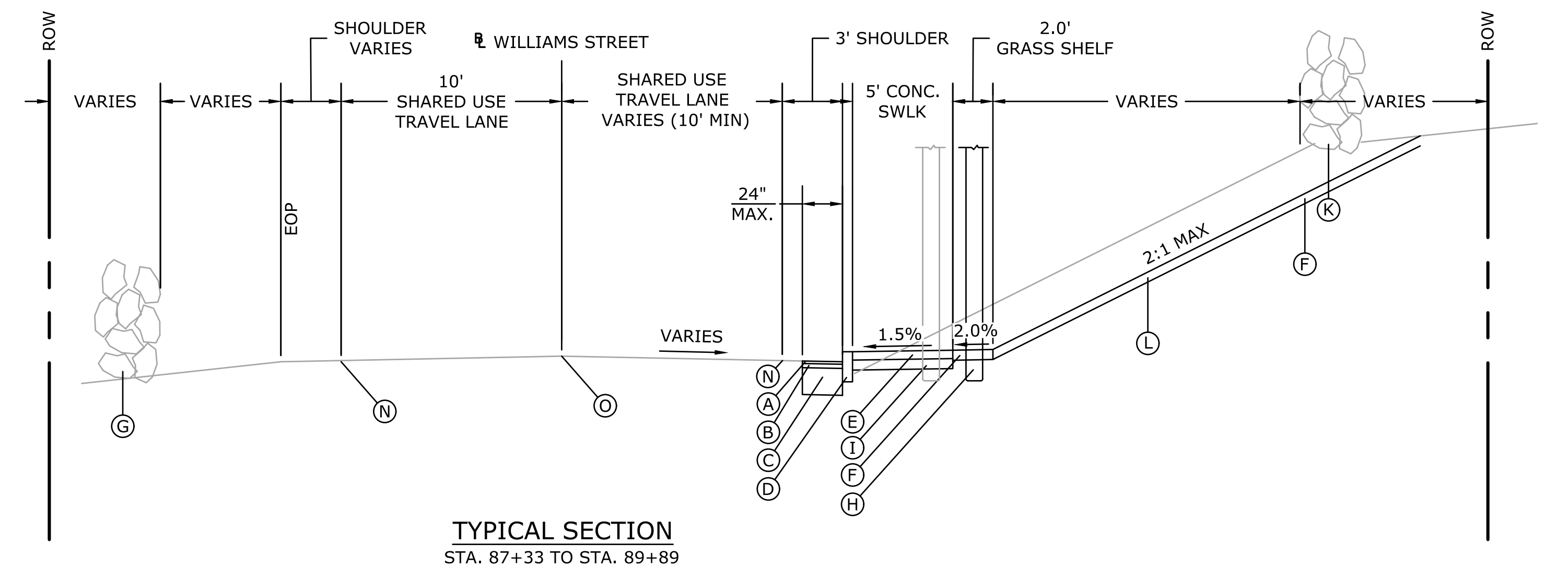
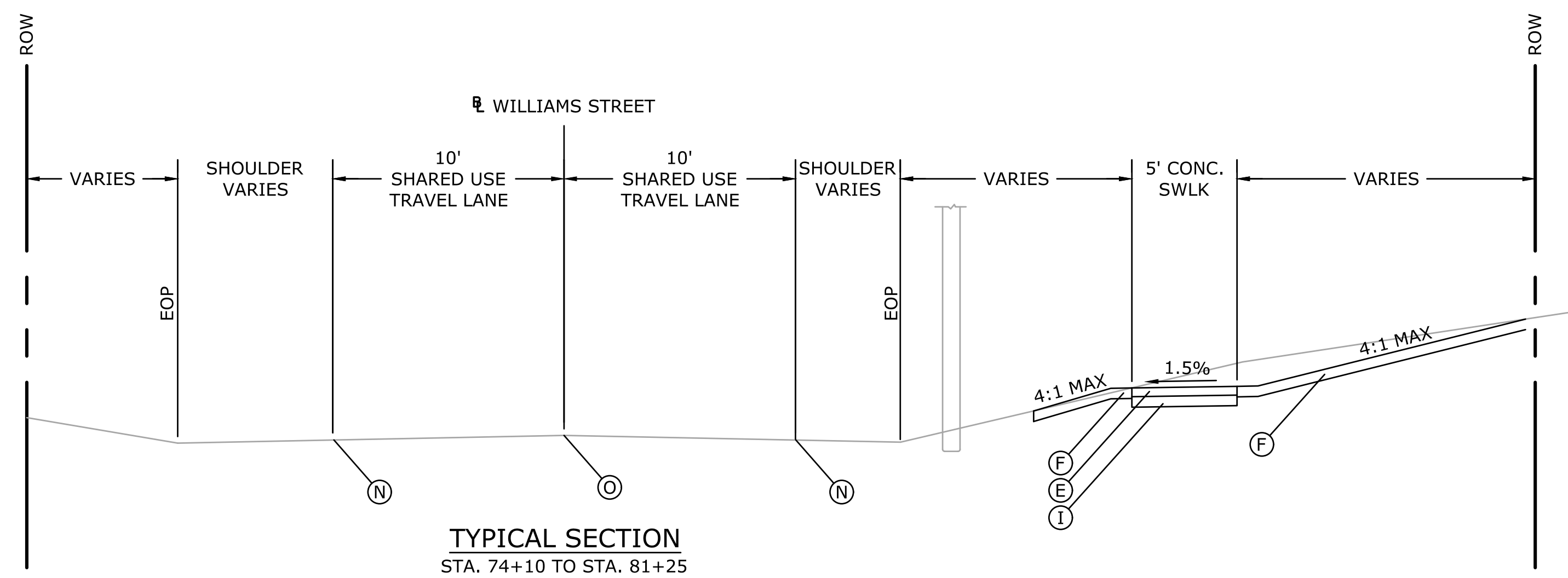
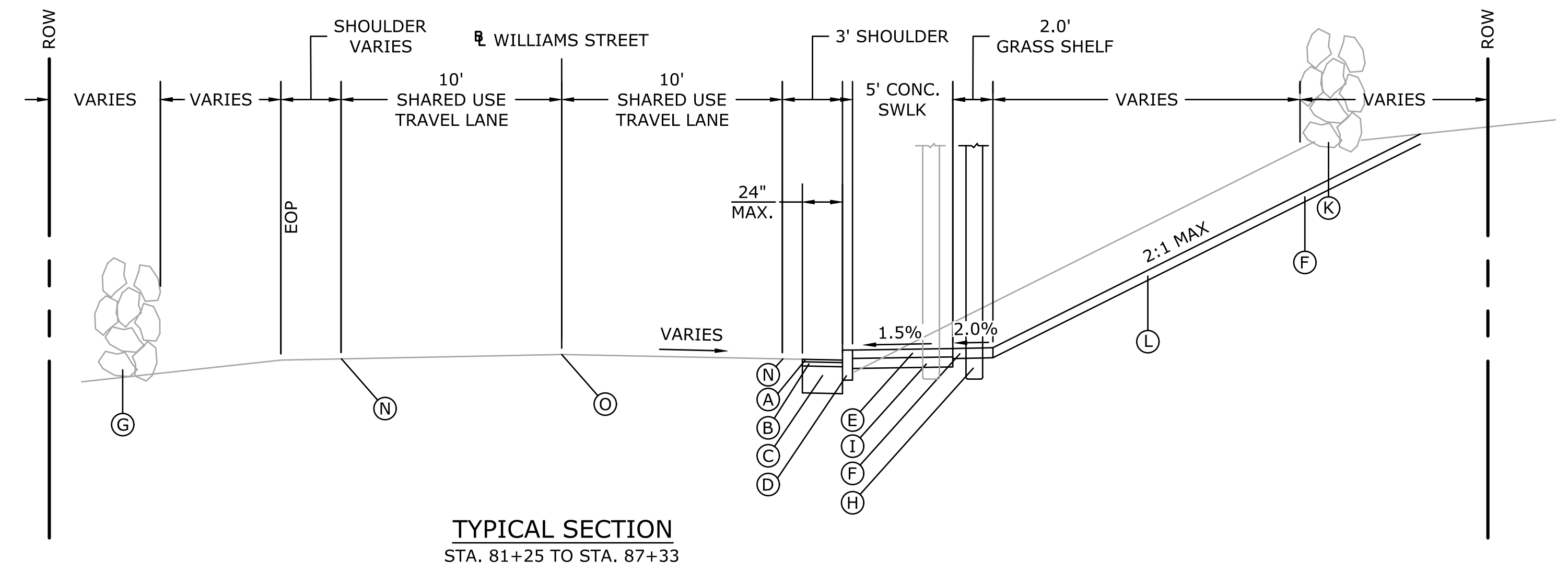
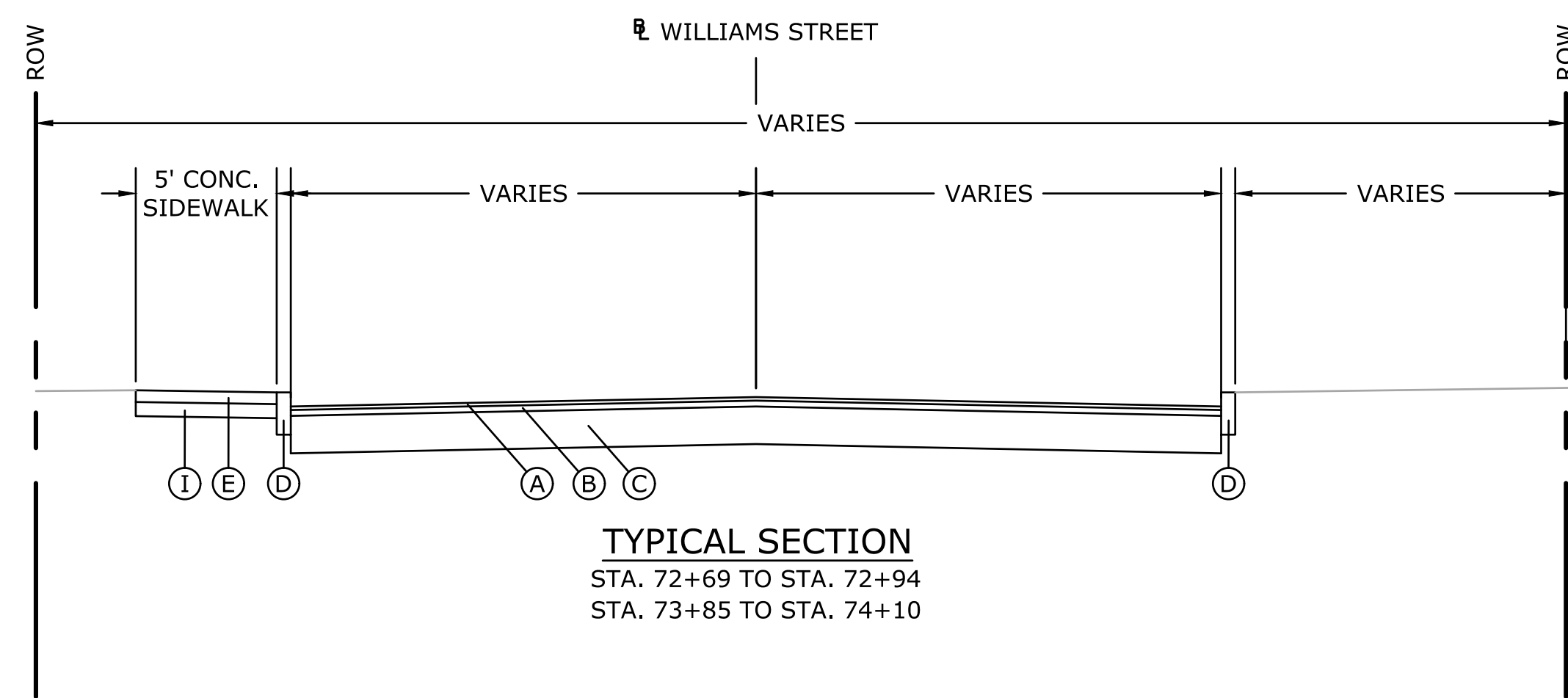
DRAWING NO.

TYP-01

SHEET NO.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-TYP.DWG



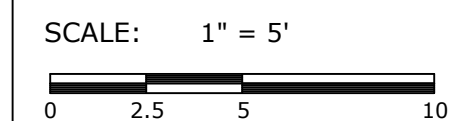
LEGEND

- (A) - 1.5" HMA S0.375 TRAFFIC LEVEL 2
- (B) - 2.5" HMA S0.5 TRAFFIC LEVEL 2
- (C) - 16" SUBBASE
- (D) - 6" GRANITE STONE CURBING
- (E) - 5" CONCRETE SIDEWALK
- (F) - 6" TOPSOIL AND SEED
- (G) - EXISTING STONE WALL
- (H) - RELOCATED UTILITY POLE
- (I) - 6" PROCESSED AGGREGATE BASE
- (J) - EXISTING SIDEWALK TO BE REMOVED
- (K) - RESET STONE WALL (IF REQ'D)
- (L) - EROSION CONTROL MATTING TYPE D
- (M) - STREET TREE
- (N) - 4" SOLID SINGLE WHITE LINE
- (O) - DOUBLE YELLOW CENTER LINE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-TYP.DWG

PREPARED FOR:
 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

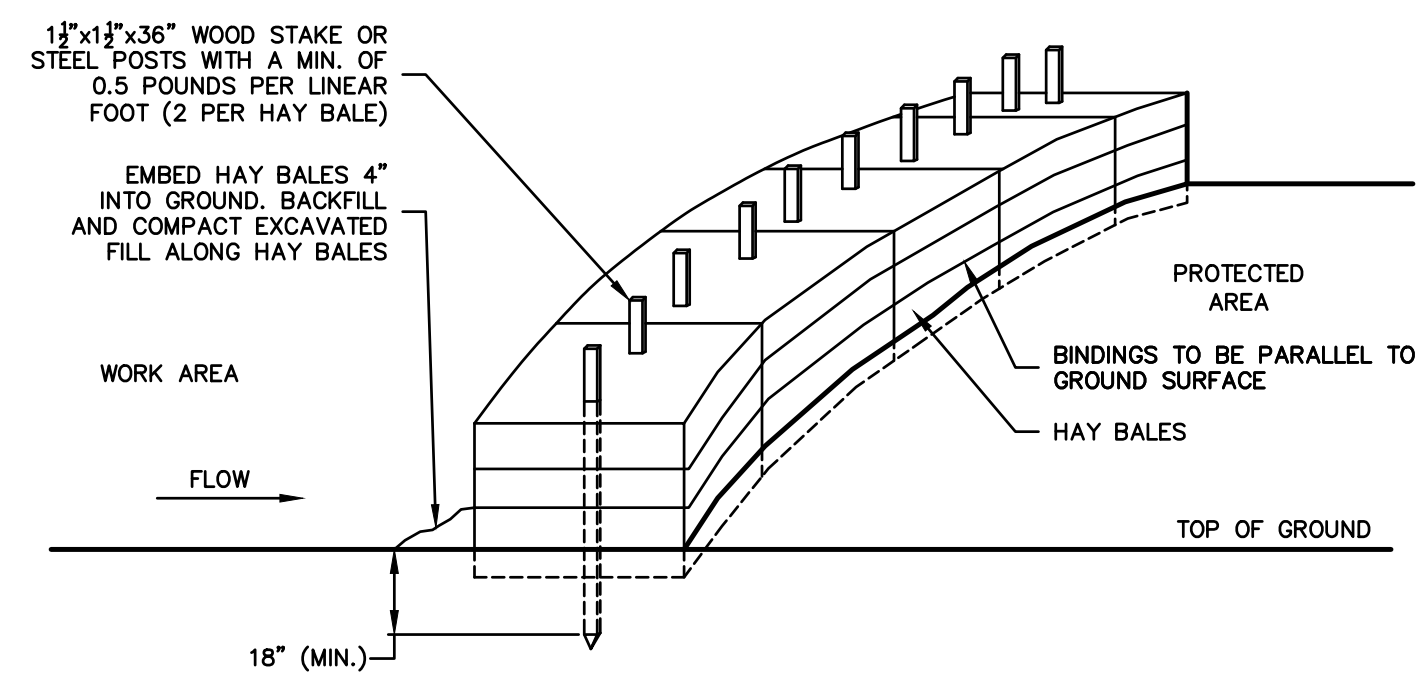
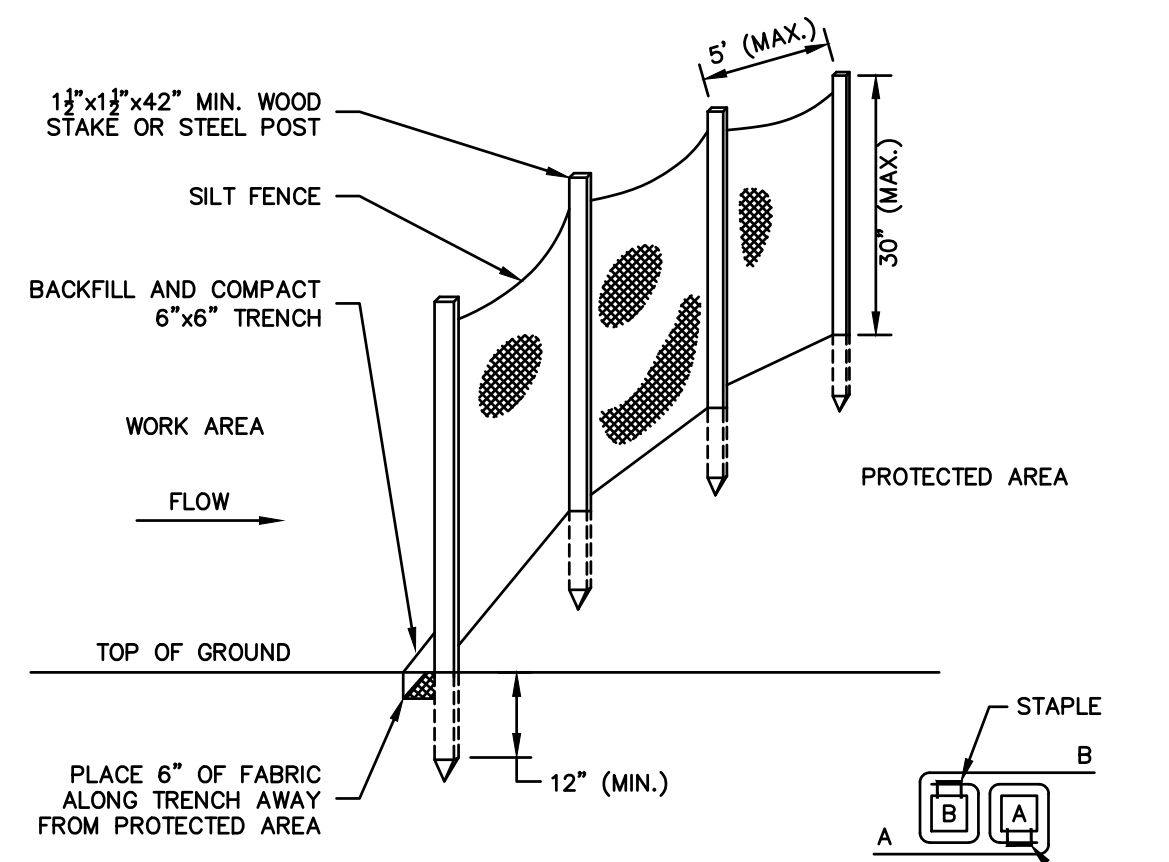
ENGINEER: MS
 APPROVED BY: ROBERT NEWTON, PE

DATE: JULY 14, 2020
 No. 20662

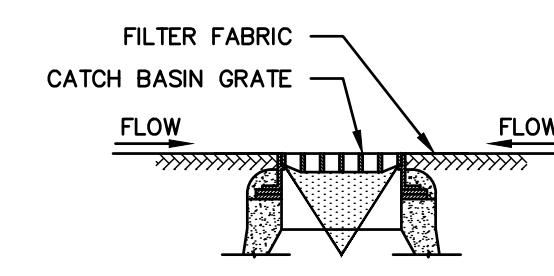
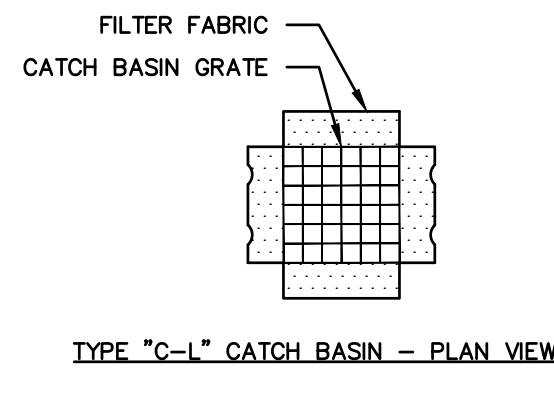
PROJECT TITLE:
 WILLIAMS STREET IMPROVEMENTS

TOWN:
 NEW LONDON
 DRAWING TITLE:
 TYPICAL SECTIONS

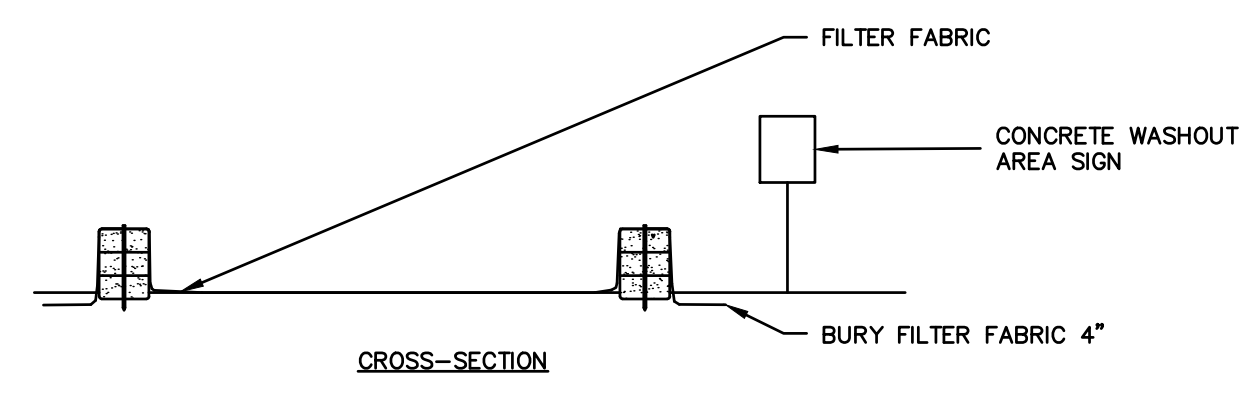
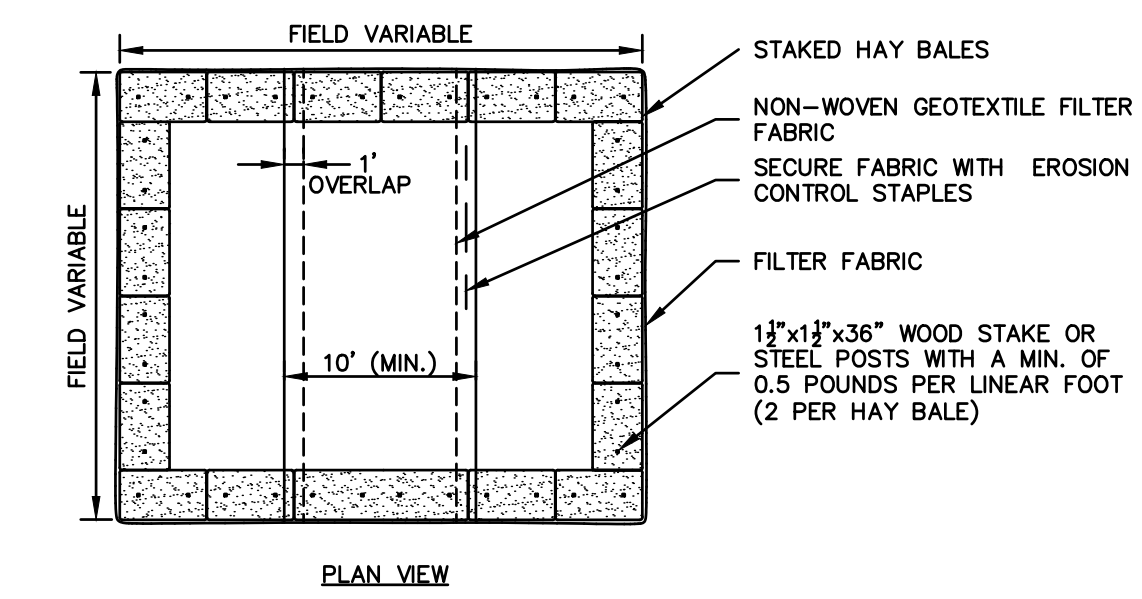
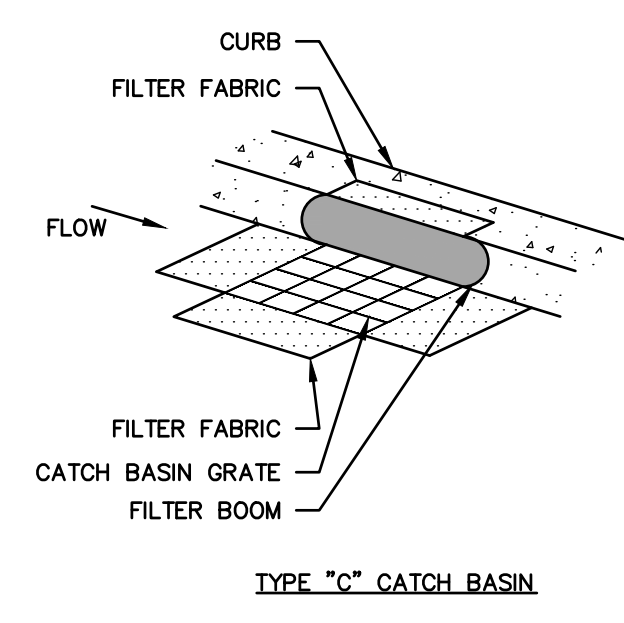
PROJECT NO.
 0094-0258
 DRAWING NO.
 TYP-02
 SHEET NO.



- GENERAL NOTES**
- HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
 - PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
 - DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM TOGETHER.
 - PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.



- GENERAL NOTES**
- PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
 - GRATE TO BE PLACED OVER FILTER FABRIC.



- NOTES:**
- CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
 - WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
 - WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

SILT FENCE BARRIER
SCALE: NONE
EC-107

HAY BALE BARRIER
SCALE: NONE
EC-106-CT

CATCH BASIN FILTER INSERT
SCALE: NONE

TEMPORARY CONCRETE WASHOUT AREA
SCALE: NONE

NOTES:

- THIS PLAN IS FOR EROSION AND SEDIMENTATION (E&S) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK. SEE SIDEWALK GRADING PLANS FOR LOCATIONS OF TEMPORARY E&S CONTROL MEASURES.
- DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
- MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
- ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
- ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
- PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. WHEN SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
- ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
- NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
- TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
- FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS. THIS WORK SHALL BE INCLUDED IN THE GENERAL COST OF THE WORK AND WILL NOT BE MEASURED FOR PAYMENT.
- SWEEP ADJACENT ROADWAYS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING RACK SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
- DRAINAGE STRUCTURE FILTER INSERTS SHALL BE INSTALLED AND CLEANED/CHANGED PER THE MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL BE INSTALLED COMPLETELY AROUND INLETS OF EXISTING AND PROPOSED DRAINAGE STRUCTURES SUCH THAT NO RUNOFF IS ALLOWED TO ENTER DRAINAGE SYSTEMS WITHOUT FILTERING THROUGH THE DEVICE.

SUGGESTED CONSTRUCTION SEQUENCE:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
 - INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE FILTER INSERTS IN EXISTING CATCH BASINS.
 - INSTALL PERIMETER E&S CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
 - FOLLOWING THE ENGINEER'S APPROVAL OF INSTALLED E&S CONTROLS, COMMENCE CONSTRUCTION OPERATIONS.
 - AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON THE DRAWINGS.
- NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.

TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE

E&S MEASURE	MAINTENANCE MEASURES	SCHEDULE
FILTER INSERTS IN DRAINAGE SYSTEM	CLEAN CATCH BASIN GRATE, REMOVE SEDIMENT/DEBRIS FROM FILTER INSERTS	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
HAY BALES/ SILT FENCE BARRIER	REPAIR/REPLACE WHEN FAILURE OBSERVED, REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF BARRIER	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
TARP TEMPORARY STOCKPILES	ENSURE TARP IS SECURED OVER STOCKPILE AT THE END OF EACH DAY	DAILY
MOISTEN EXPOSED SOILS	PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS AND KEEP TRAVELWAYS DAMP	DAILY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-DET.DWG

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CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320

SCALE: AS SHOWN

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ENGINEER: MS
APPROVED BY: ROBERT NEWTON, PE

655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

DATE: JULY 14, 2020
No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

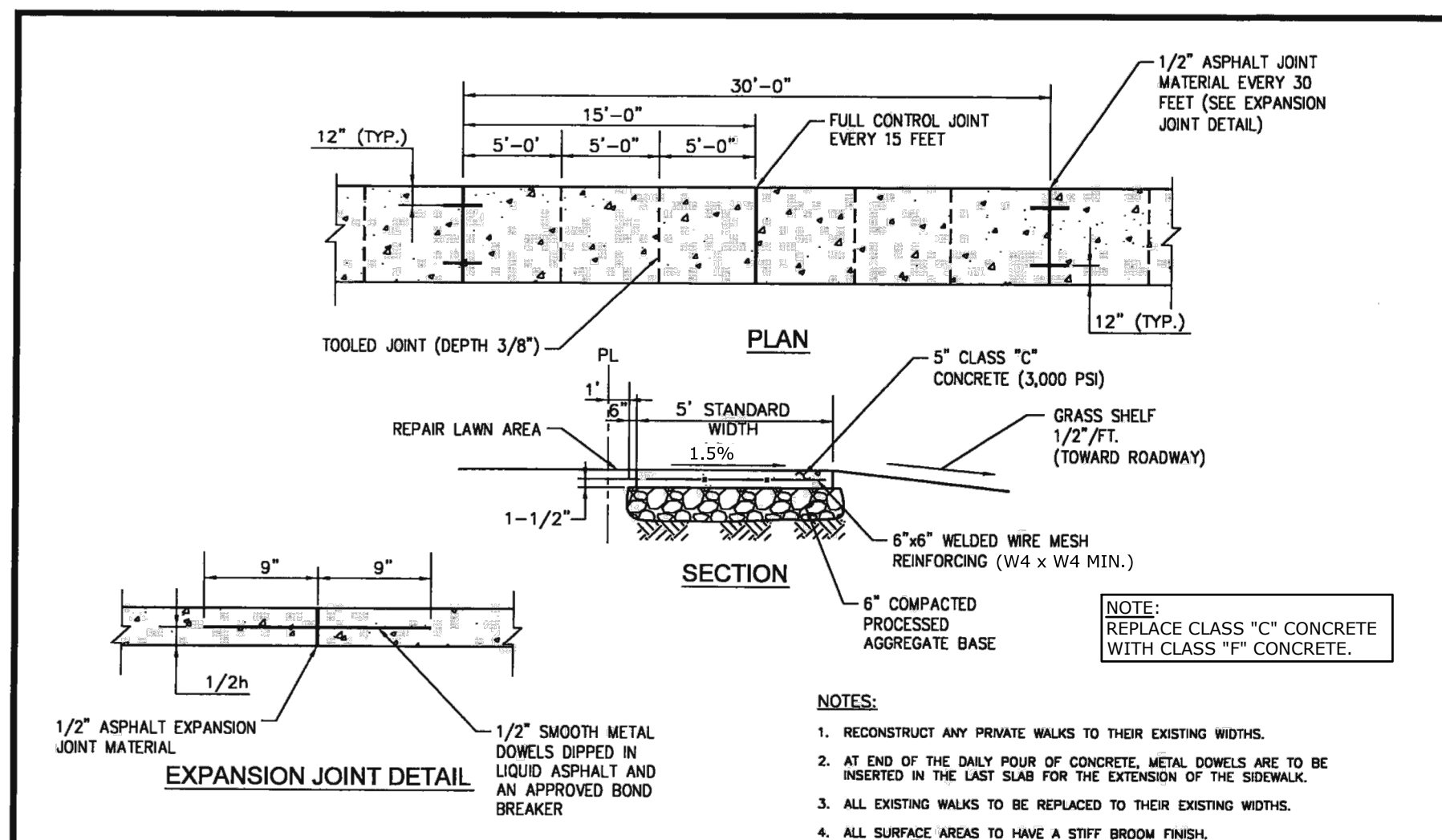
TOWN:
NEW LONDON

DRAWING TITLE:
EROSION & SEDIMENTATION CONTROL DETAILS

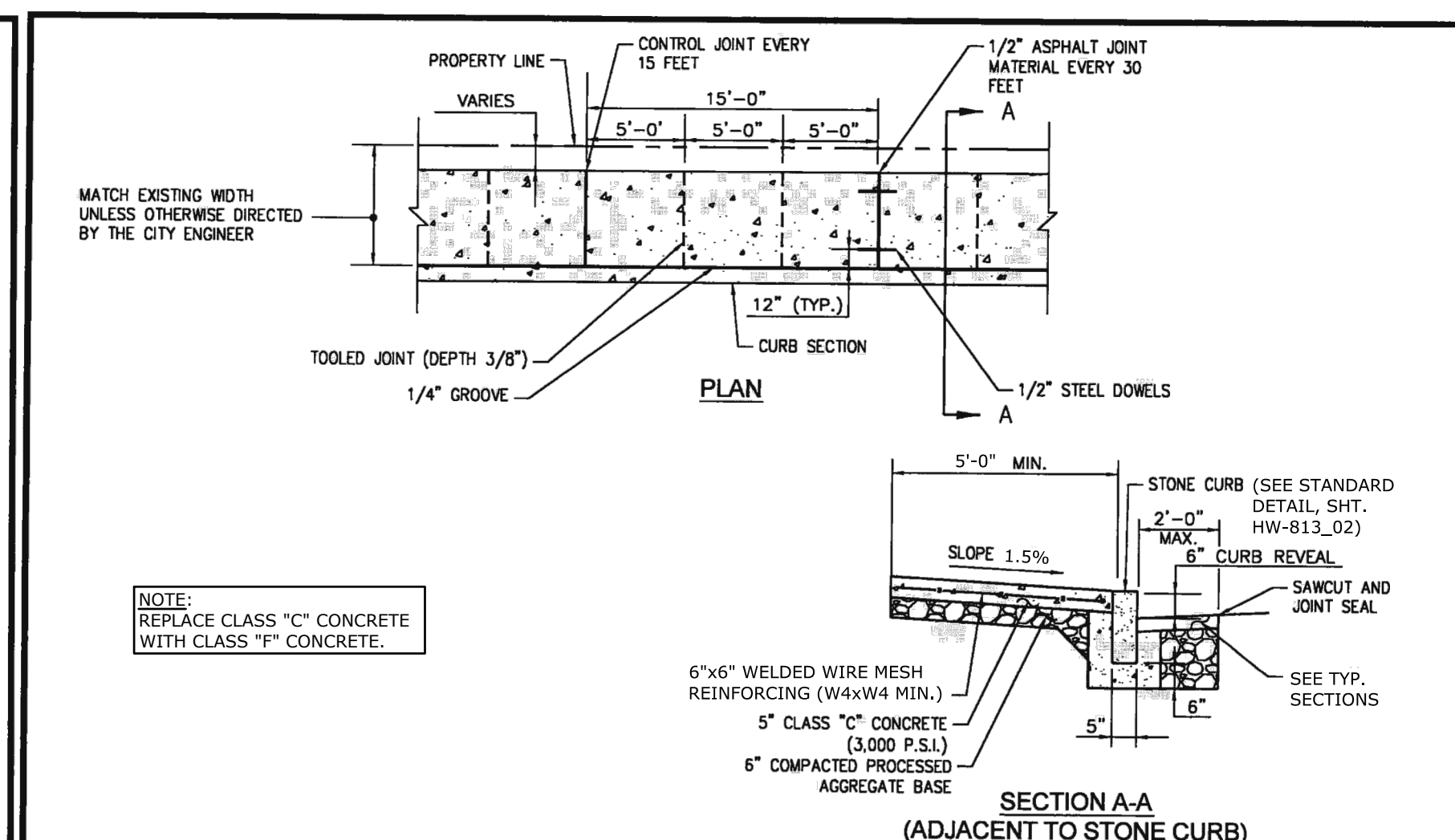
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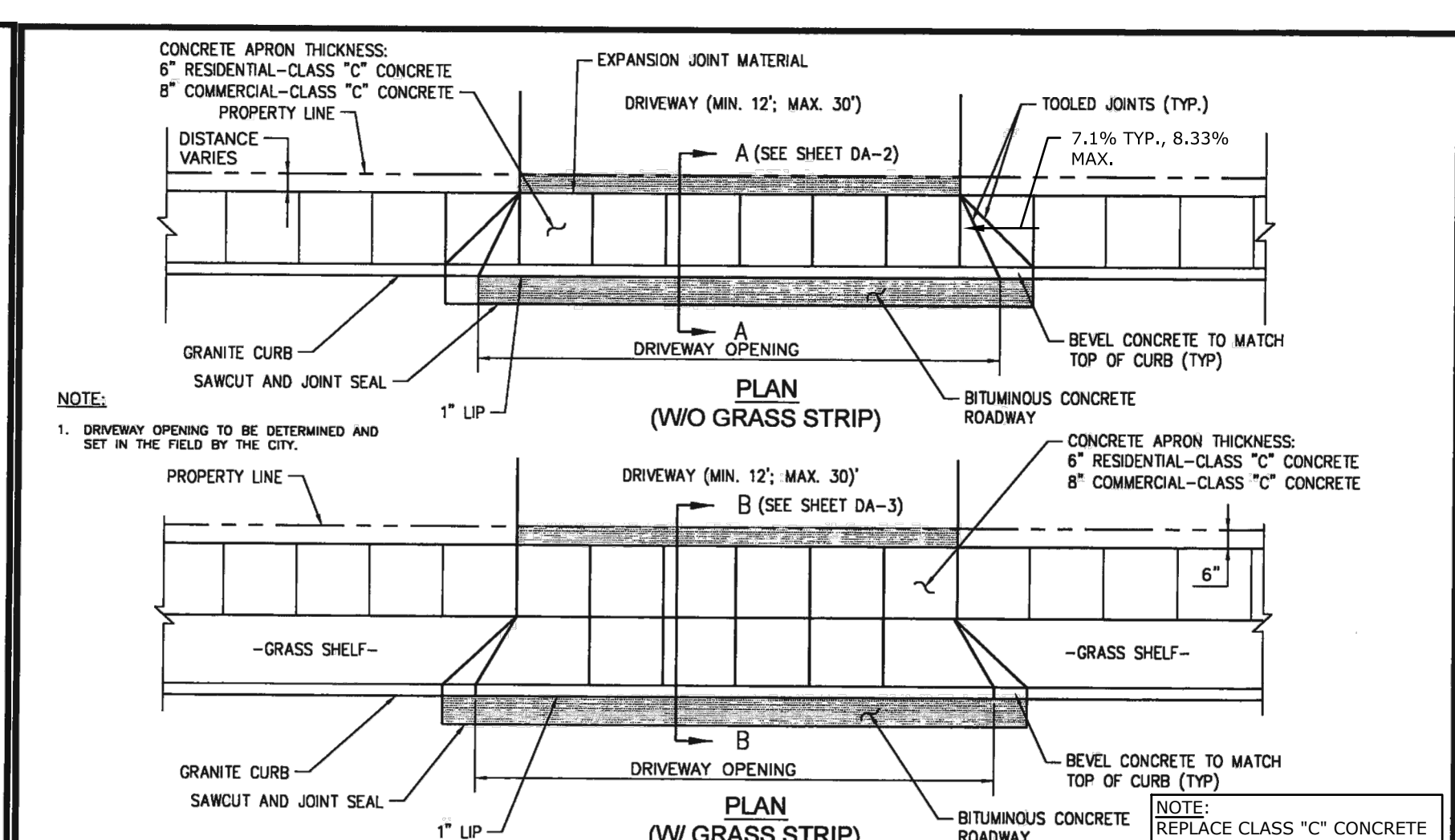
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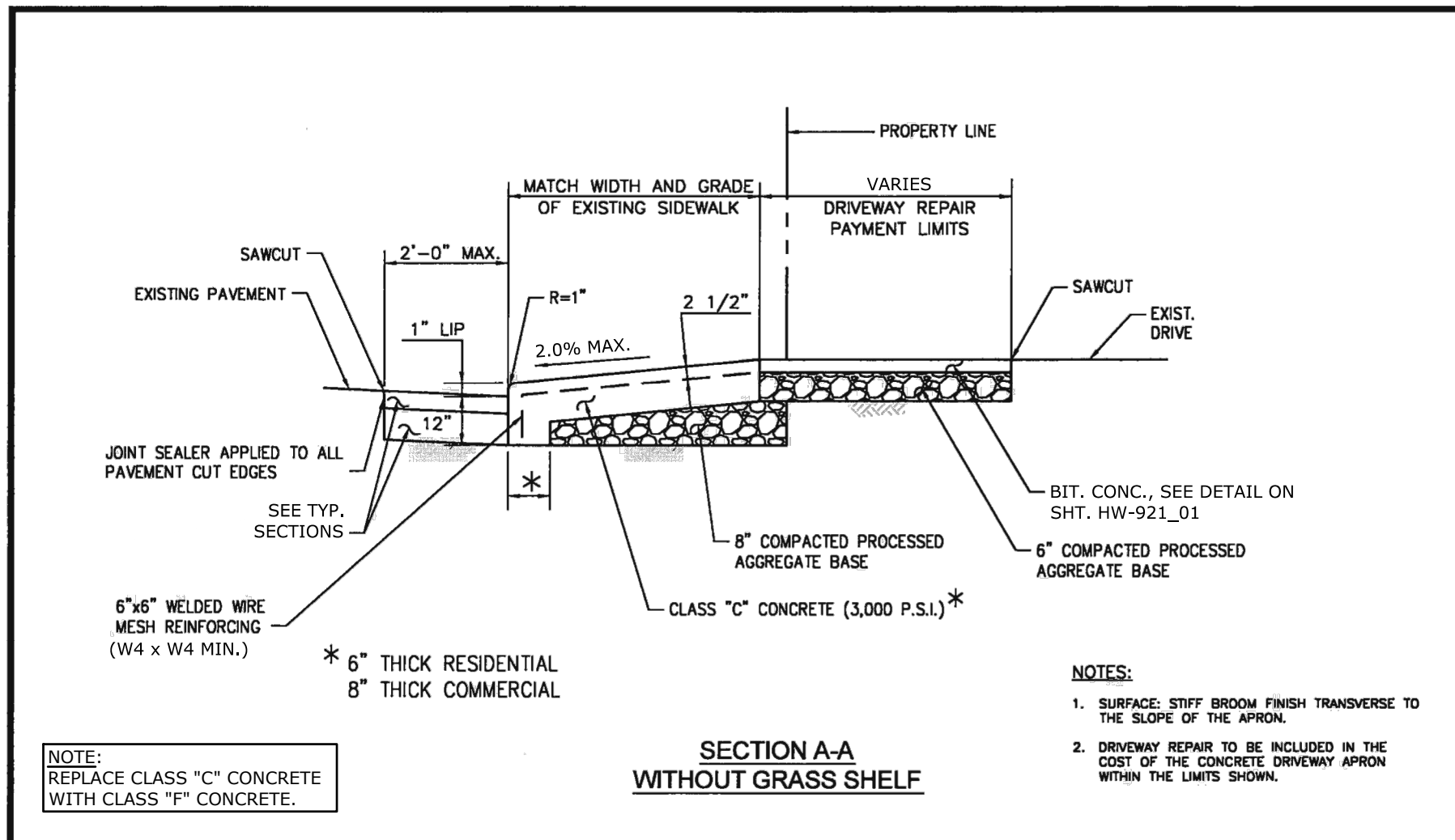
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SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: S-1	
FILENAME: CONC SW.DWG		CITY OF NEW LONDON		CONNECTION	



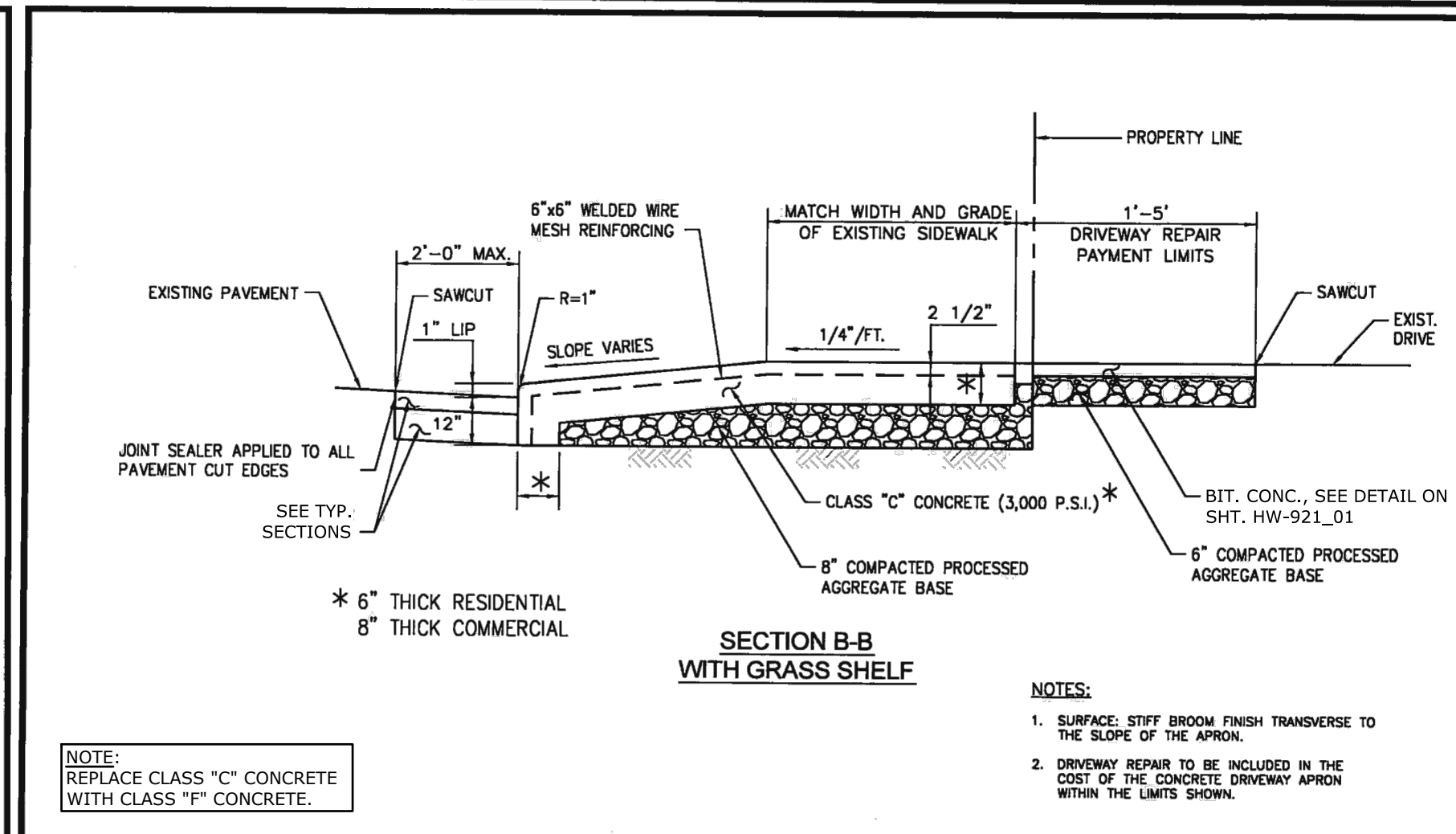
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SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: S-2	
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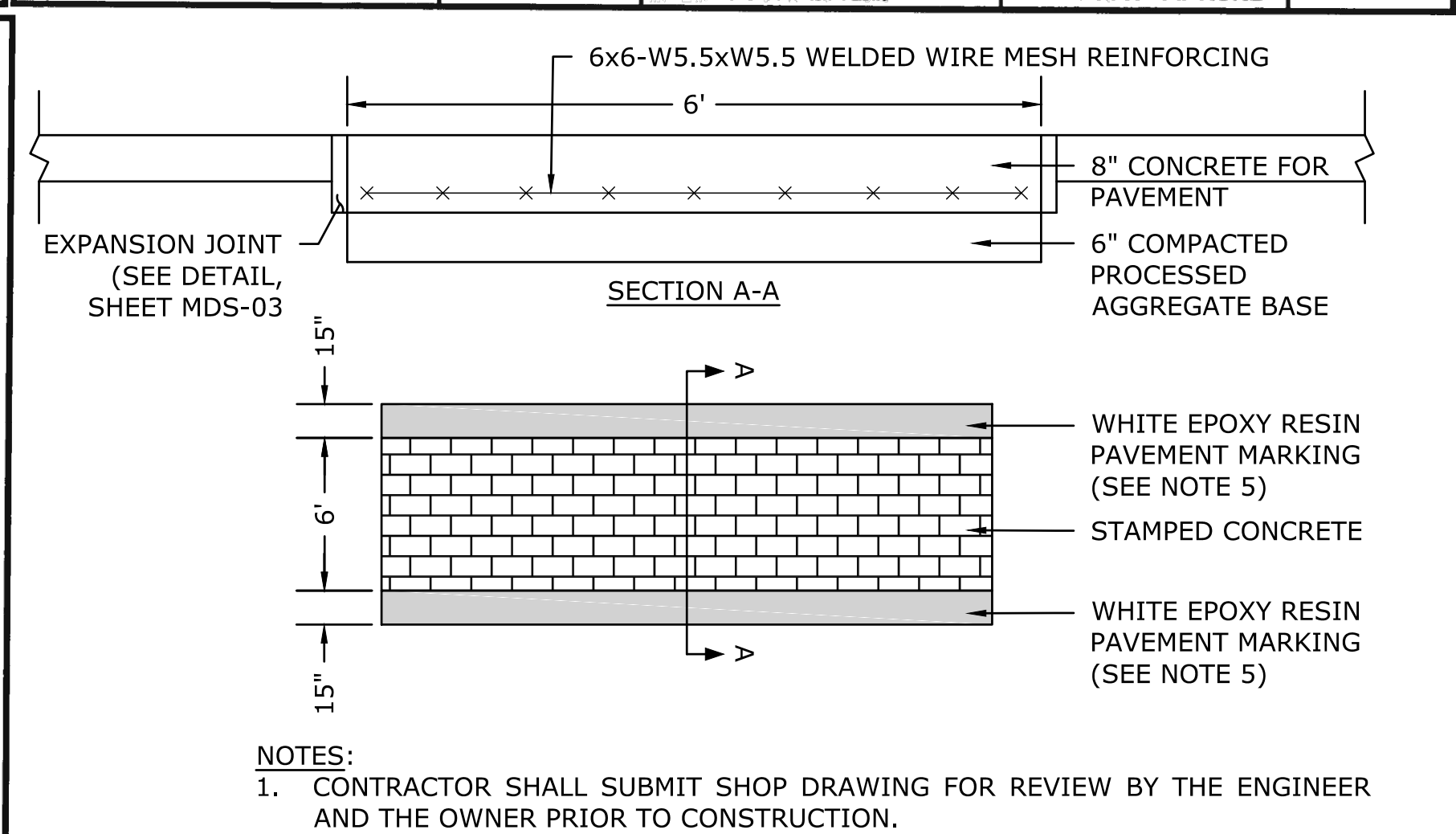
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SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-1	
FILENAME: CONC DR APRON-PL.DWG		CITY OF NEW LONDON		CONNECTION	



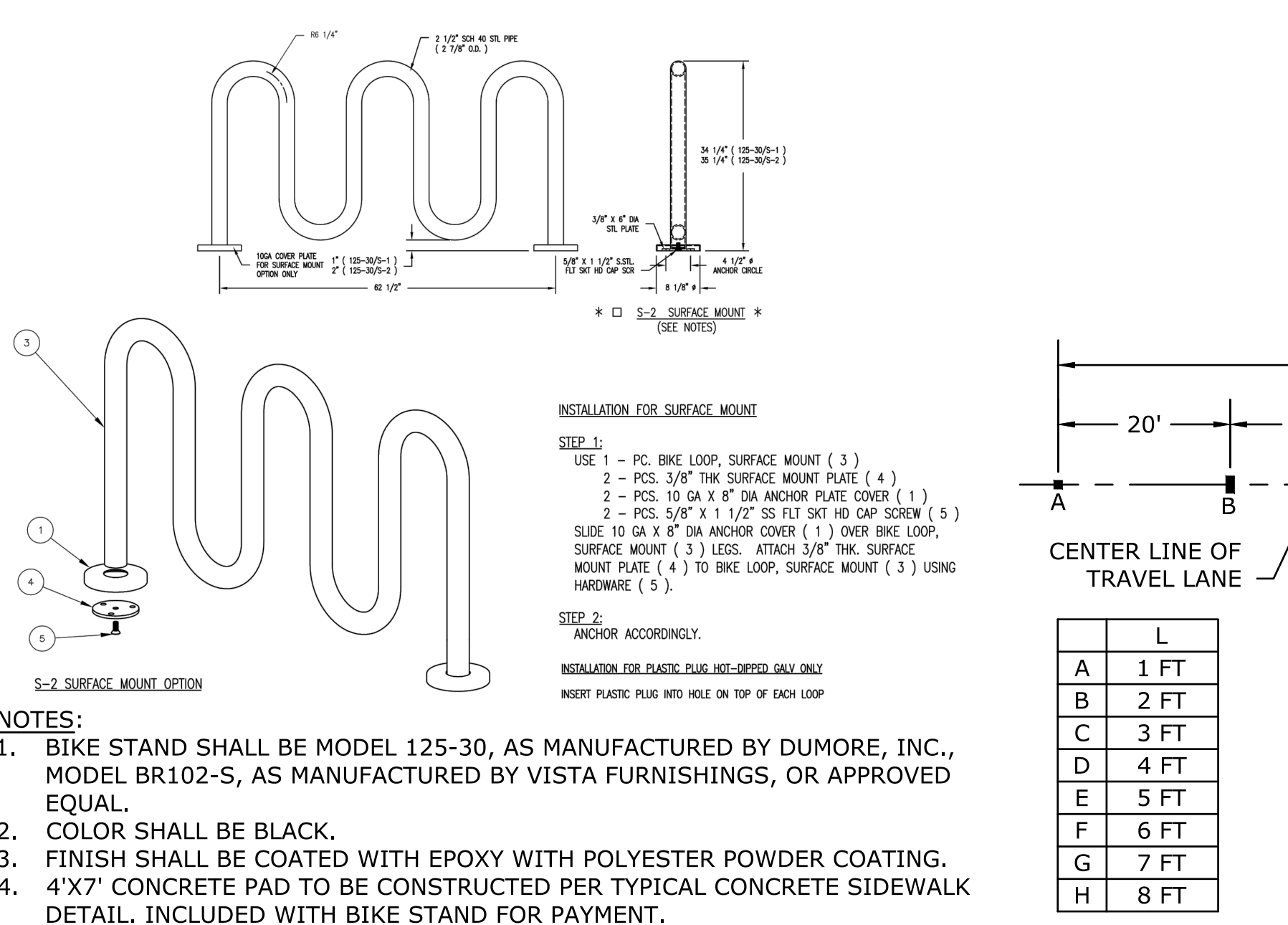
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FILENAME: CONC DR APRON-SEC A-A.DWG		CITY OF NEW LONDON		CONNECTION	



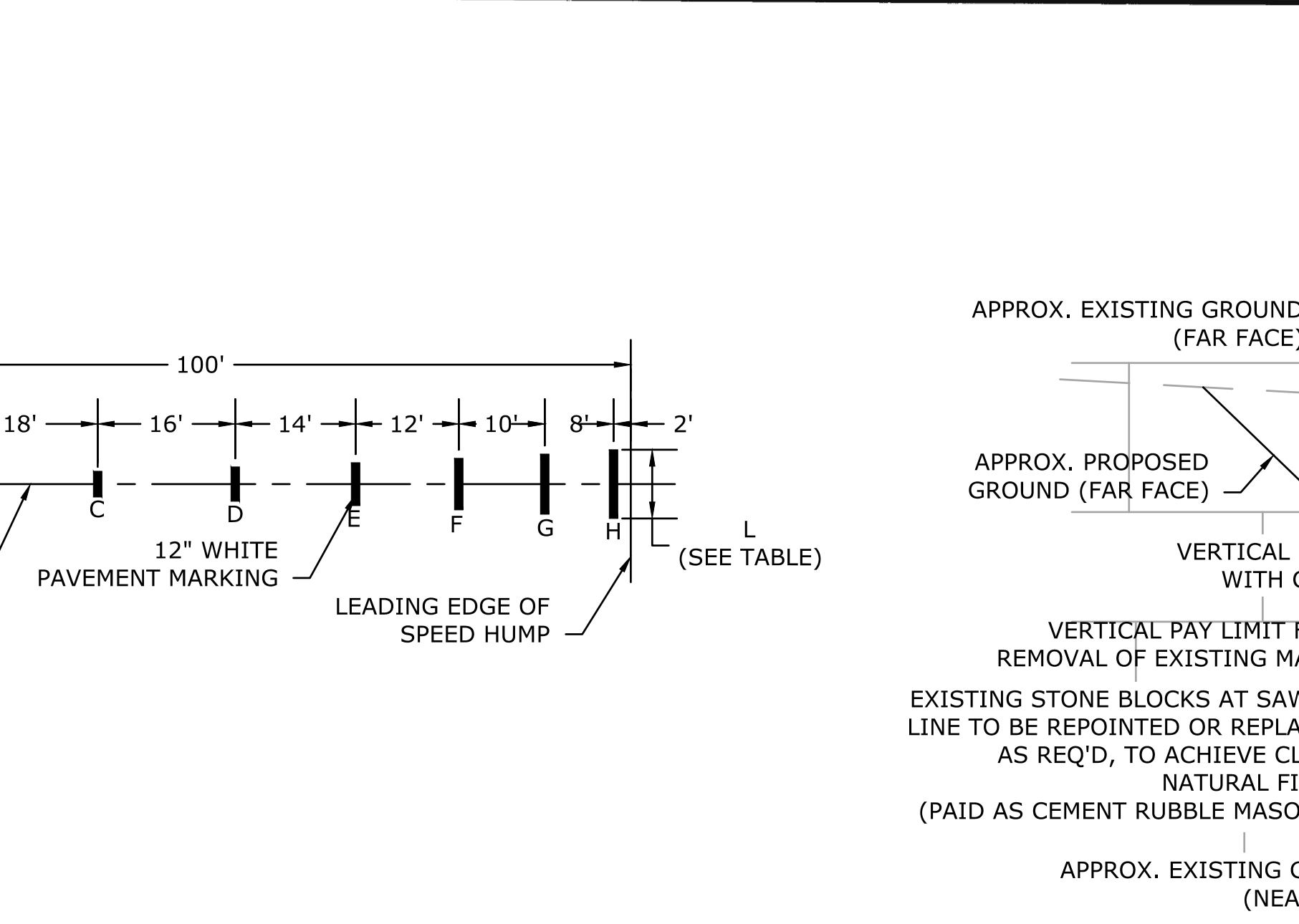
CITY OF NEW LONDON STANDARD DETAILS		DRAWING TITLE: CONCRETE DRIVEWAY APRON SECTION B-B		3 OF 3	
SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-3	
FILENAME: CONC DR APRON-SEC B-B.DWG		CITY OF NEW LONDON		CONNECTION	



CITY OF NEW LONDON STANDARD DETAILS		DRAWING TITLE: DECORATIVE CROSSWALK		SHEET NO.: 12	
SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-3	
FILENAME: CONC DR APRON-SEC B-B.DWG		CITY OF NEW LONDON		CONNECTION	



CITY OF NEW LONDON STANDARD DETAILS		DRAWING TITLE: ADVANCE SPEED HUMP MARKINGS		SHEET NO.: 11	
SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-2	
FILENAME: CONC DR APRON-SEC A-A.DWG		CITY OF NEW LONDON		CONNECTION	



CITY OF NEW LONDON STANDARD DETAILS		DRAWING TITLE: SIDEWALK THROUGH EXISTING STONE RETAINING WALL		SHEET NO.: 12	
SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-3	
FILENAME: CONC DR APRON-SEC B-B.DWG		CITY OF NEW LONDON		CONNECTION	

Specifications

DESCRIPTION The bollard shall be cast aluminum construction with a 1/2-inch shaft and a classic tapered base. The bollard shall be provided with a cast aluminum ball or dome top.

MATERIALS The bollard and top shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B779-05a or ASTM B205-05. The castings shall be formed true to the pattern with complete detail. All exposed hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

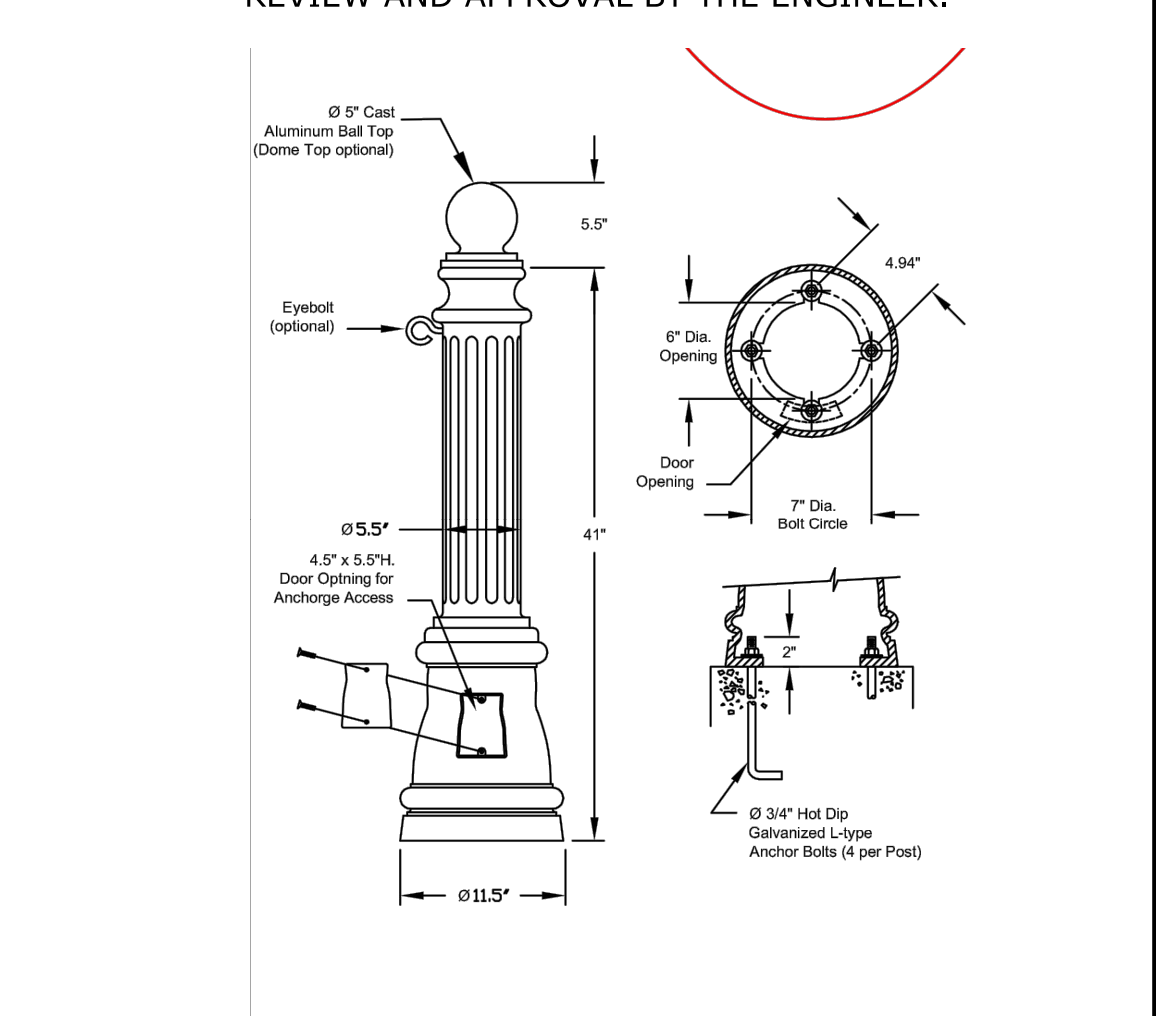
CONSTRUCTION The bollard shall be made from a one-piece casting with the cast ball or dome top welded to the top. All exposed welds shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The bollard shall be 3'-7.5" or 3'-10.5" in height with a 11.5" diameter base, a 5.5" diameter shaft, and a 5" diameter ball or 5.5" diameter dome top.

INSTALLATION The bollard shall be provided with four 3/4" diameter L-type anchor bolts to be installed on an 8" bolt circle. A door shall be provided in the base for anchorage access.

For finish specifications and color options, see "Finish" section in catalog.

- NOTES:**
- DECORATIVE BOLLARDS SHALL BE CAST ALUMINUM MODEL BOL/CH47/12/BT-CA/BK, AS MANUFACTURED BY HOLOPHANE, MODEL R-7589-AL, AS MANUFACTURED BY RELIANCE FOUNDRY, OR APPROVED EQUAL.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL BY THE ENGINEER.



CITY OF NEW LONDON STANDARD DETAILS		DRAWING TITLE: DECORATIVE BOLLARD		SHEET NO.: 10	
SUBMITTED BY: JMH DATE: 03.08.2015		APPROVED BY: WJC DATE: 03.08.2015		DRAWING NO.: DA-1	
FILENAME: CONC DR APRON-PL.DWG		CITY OF NEW LONDON		CONNECTION	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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13 MASONIC STREET
NEW LONDON, CT 06320

SCALE: AS SHOWN

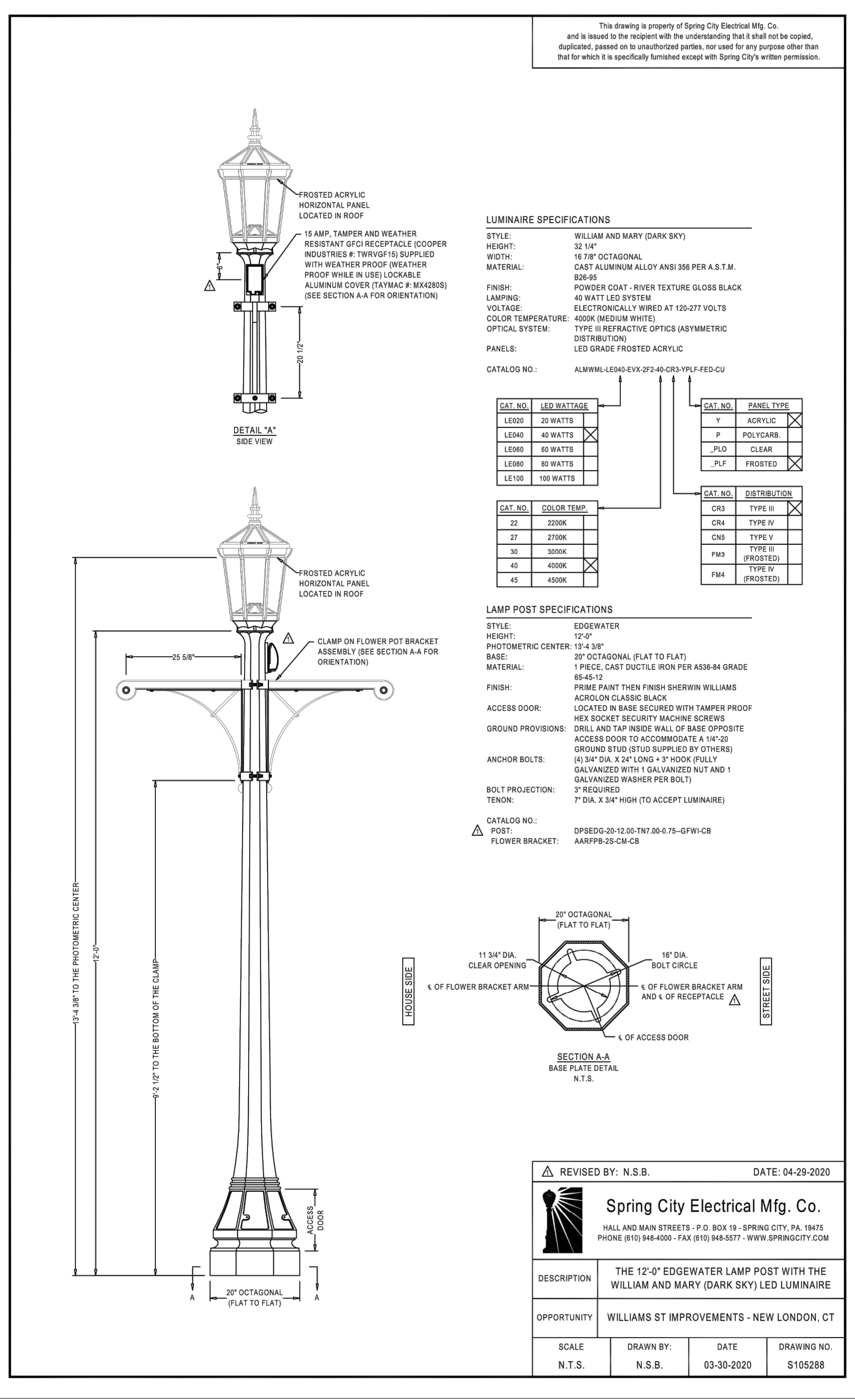
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Glastonbury, Connecticut 06033
860 652 8227

ENGINEER: MS DATE: JULY 14, 2020
APPROVED BY: ROBERT NEWTON, PE No. 20662

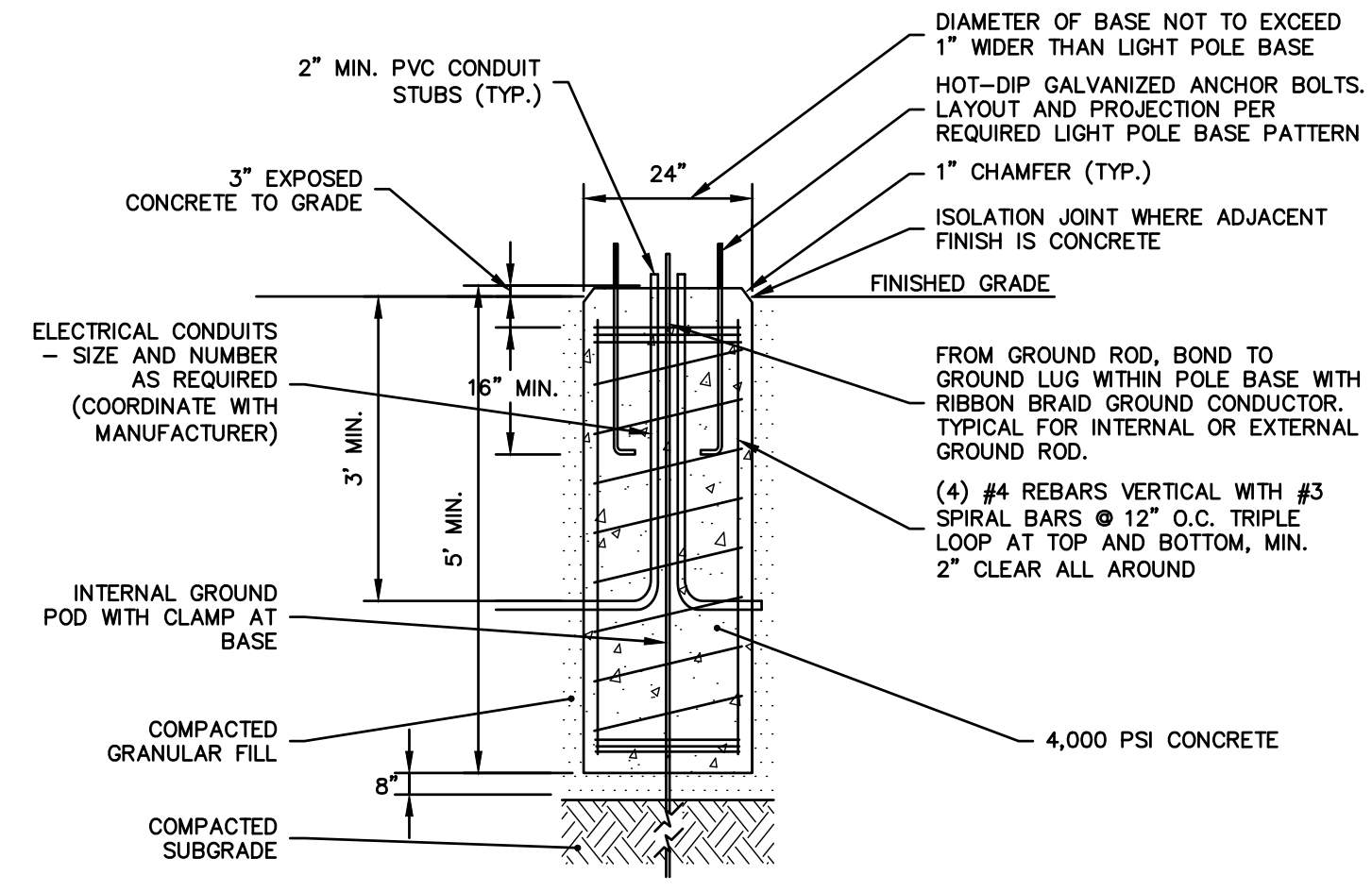
PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON
DRAWING TITLE: MISCELLANEOUS DETAILS	PROJECT NO. 0094-0258
	DRAWING NO. MDS-01
	SHEET NO.

PROJECT NO. 0094-0258
DRAWING NO. MDS-01
SHEET NO.

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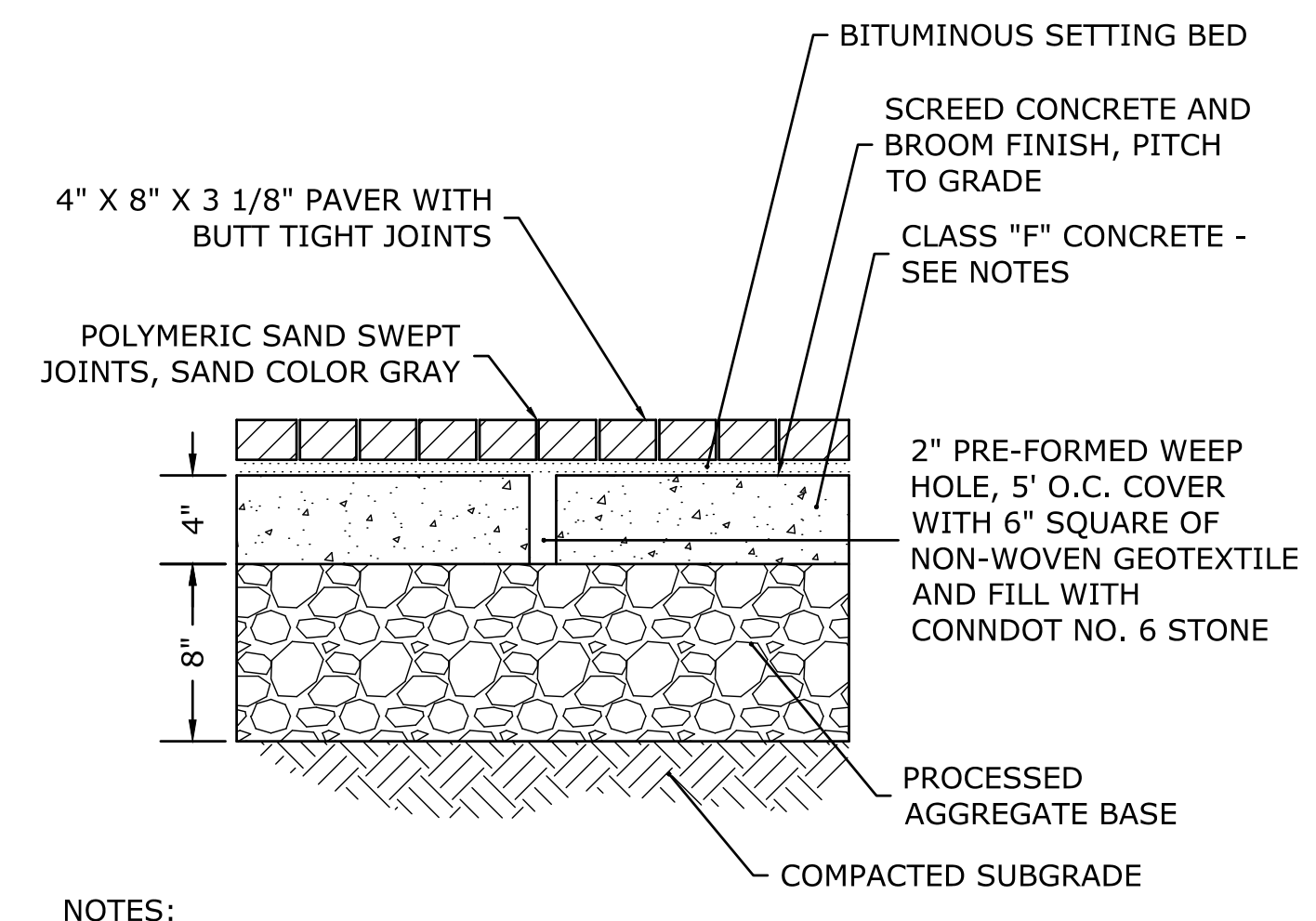


ORNAMENTAL LIGHTING SYSTEM (SITE NO. 1)
 SCALE: NONE



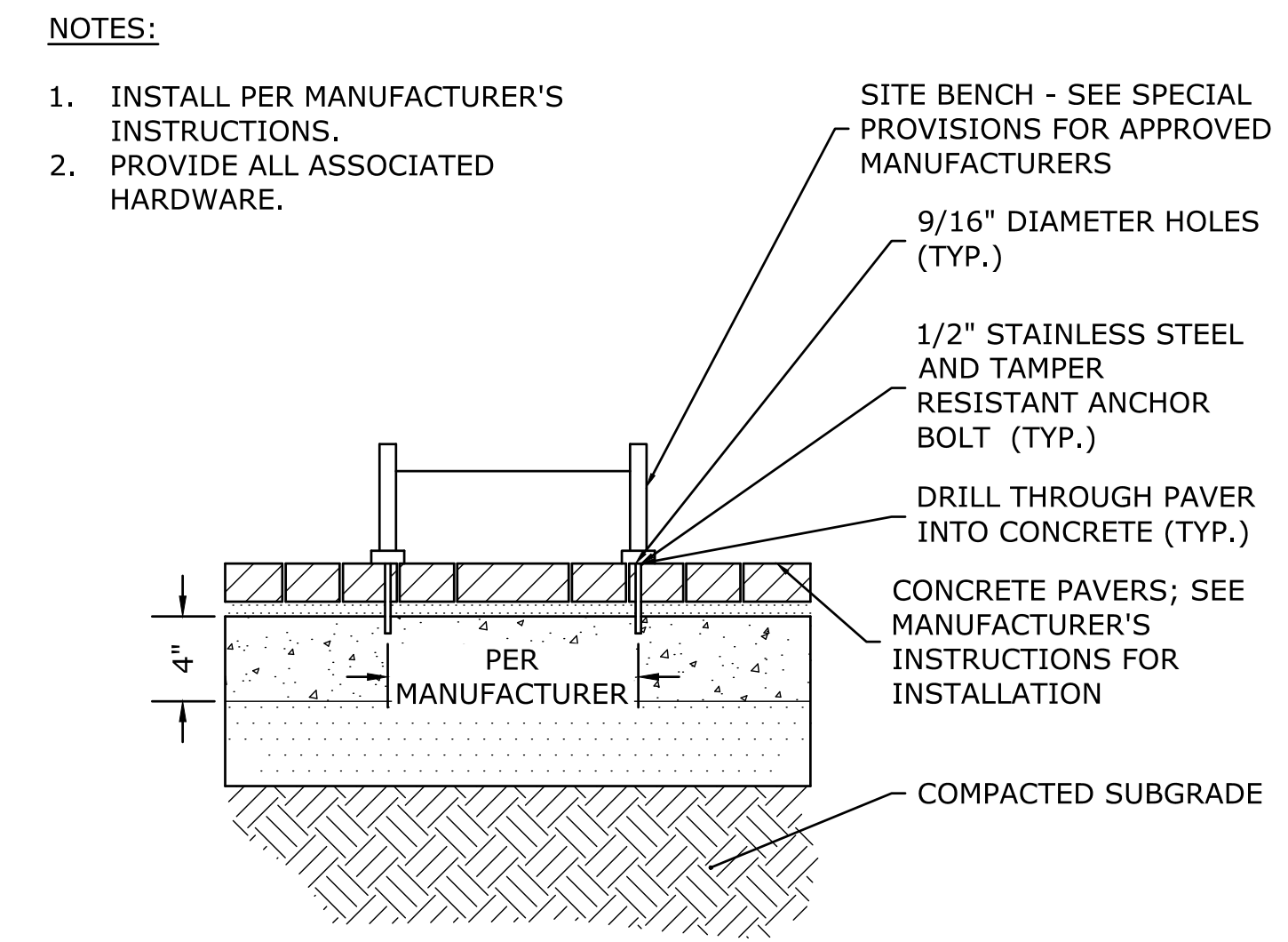
- NOTES:**
1. REINFORCING BARS SHALL BE DEFORMED BAR, ASTM A615 GRADE 60.
 2. CONDUIT LOCATIONS SHOWN ARE CONCEPTUAL. COORDINATE WITH EVERSOURCE IN THE FIELD FOR EXACT ROUTING.
 3. ALL GROUND RODS SHALL BE COPPER-COATED, DIAMETER AND LENGTH PER APPLICABLE CODES. GROUNDING WIRE SHALL BE NO. 4 AWG STRANDED COPPER WIRE UNLESS OTHERWISE SPECIFIED.
 4. ANCHOR BOLTS SHOWN ARE CONCEPTUAL. ANCHOR BOLT SPECIFICATIONS SHALL MEET THE POLE MANUFACTURER'S REQUIREMENTS FOR SIZE, LENGTH, AND GRADE, BASED ON POLE TYPE, HEIGHT, AND FIXTURE(S).

LIGHT POLE BASE
 SCALE: NONE



- NOTES:**
1. CONCRETE BASE SHALL BE SCREEDED WITH A BROOM FINISH AND MATCH SURROUNDING GRADES.
 2. 1" SETTING BED SHALL BE SCREEDED TO PROPER ELEVATIONS.
 3. GATEWAY PLAZA SHALL BE LAID OUT ON A 10' RADIUS. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PAVER PATTERN AND LAYOUT FOR REVIEW BY THE ENGINEER.

CONCRETE PAVER ON CONCRETE BASE - GATEWAY PLAZA
 SCALE: NONE



SITE BENCH MOUNTING
 SCALE: NONE



- NOTE:**
1. SOLAR FLASHING CROSSWALK SIGN SYSTEM SHALL BE "SHIELD 12" BASE UNIT WITH MOUNTING BRACKET(S), TYPE IX, VIOLATOR ALERT FLASH, SOLAR BATTERY KIT, AND SOLAR PANEL AS MANUFACTURED BY TAPCO, 5100 W BROWN DEER ROAD, BROWN DEER, WI 53223 (800-236-0112) OR SOLAR TRAFFIC SYSTEMS, INC., 16135 NEW AVENUE, UNIT 2, LEMONT, IL 06439 (877-977-7446), OR ENGINEER-APPROVED EQUAL. SEE SPECIAL PROVISIONS.

SOLAR FLASHING X-WALK SIGN
 SCALE: NONE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320

SCALE: NONE

PROJECT TITLE:
 WILLIAMS STREET IMPROVEMENTS

TOWN:
 NEW LONDON

DRAWING TITLE:
 MISCELLANEOUS DETAILS

BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

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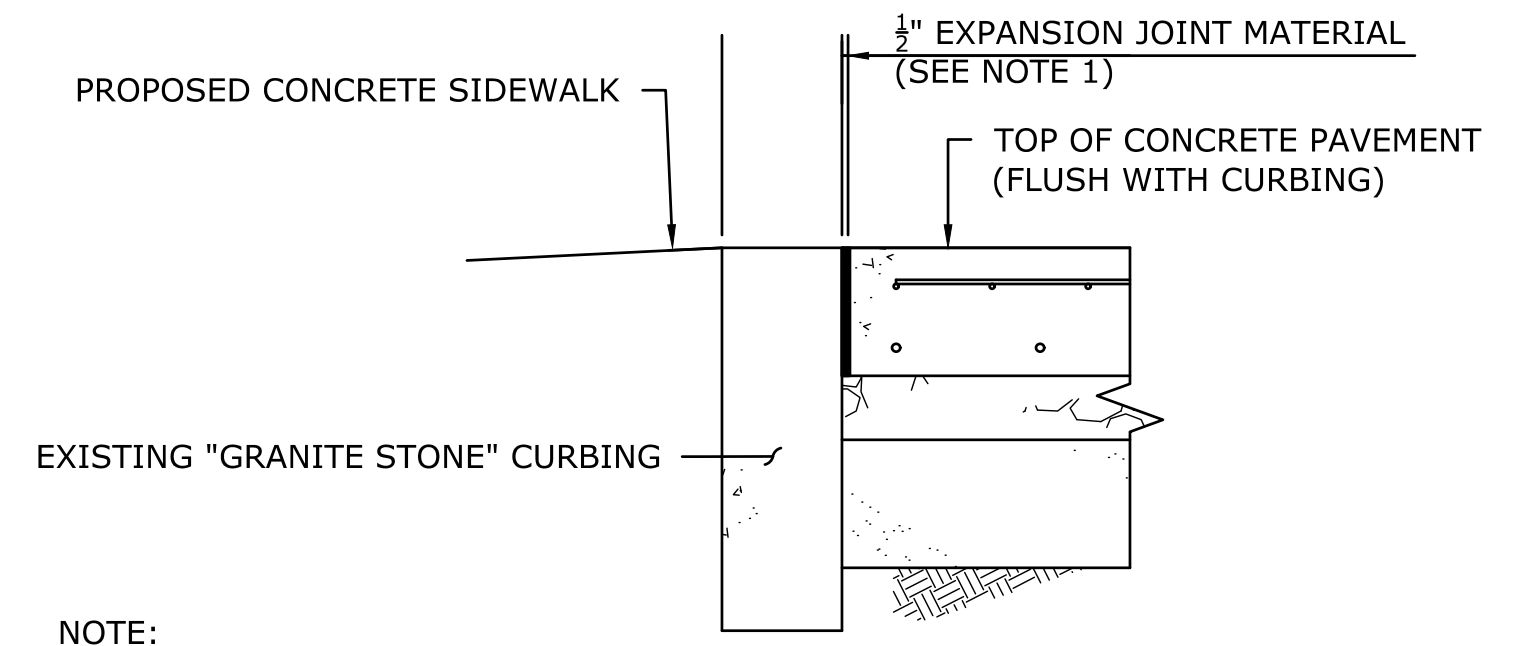
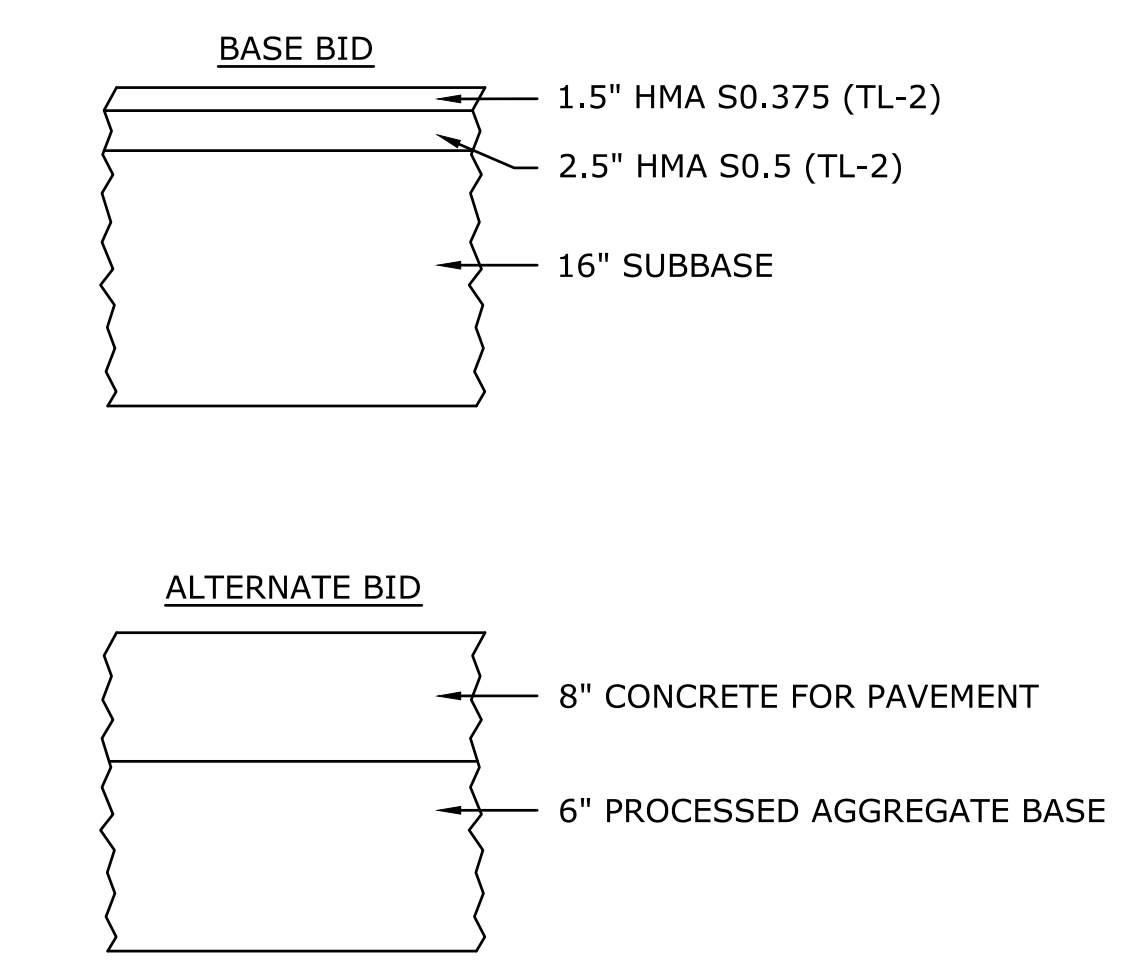
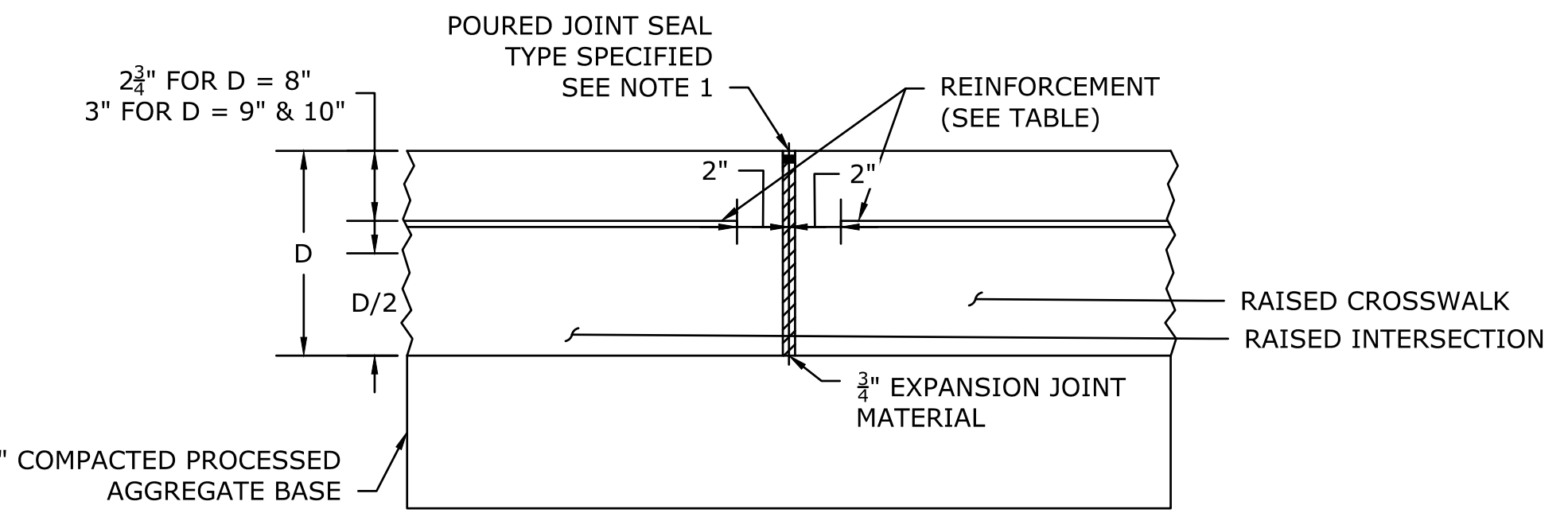
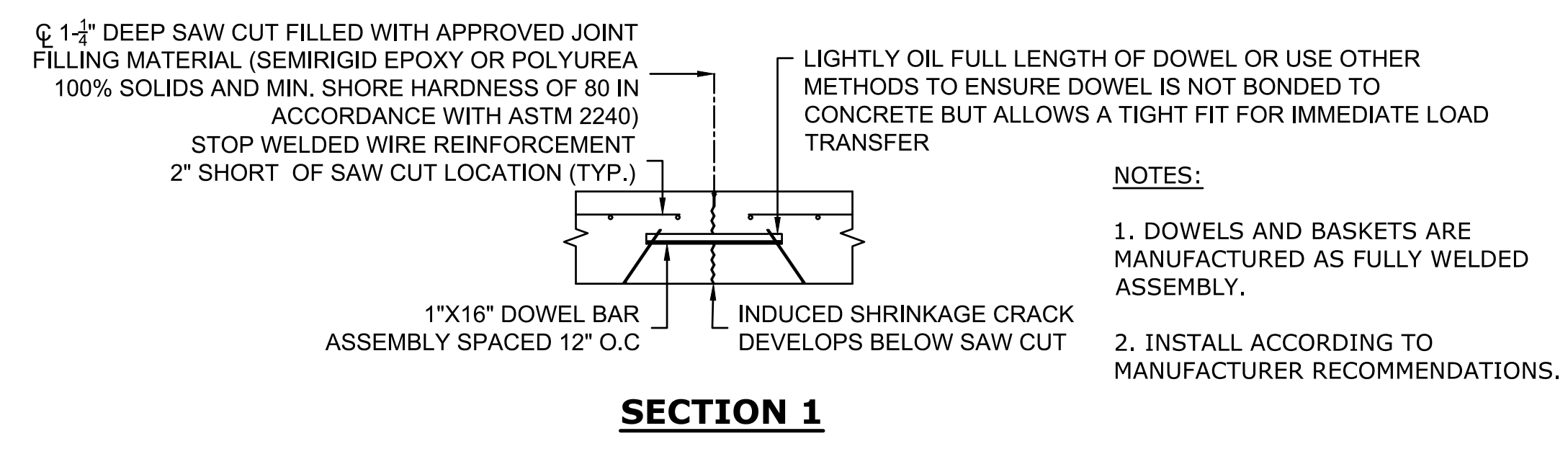
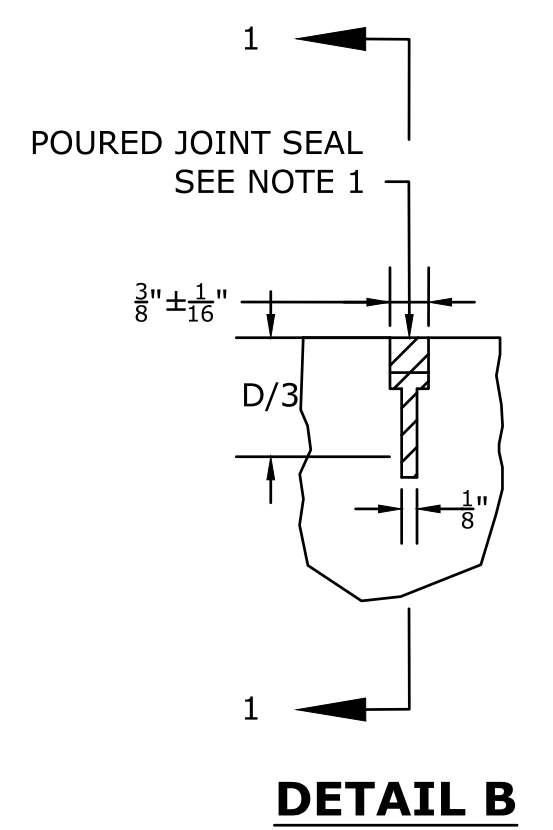
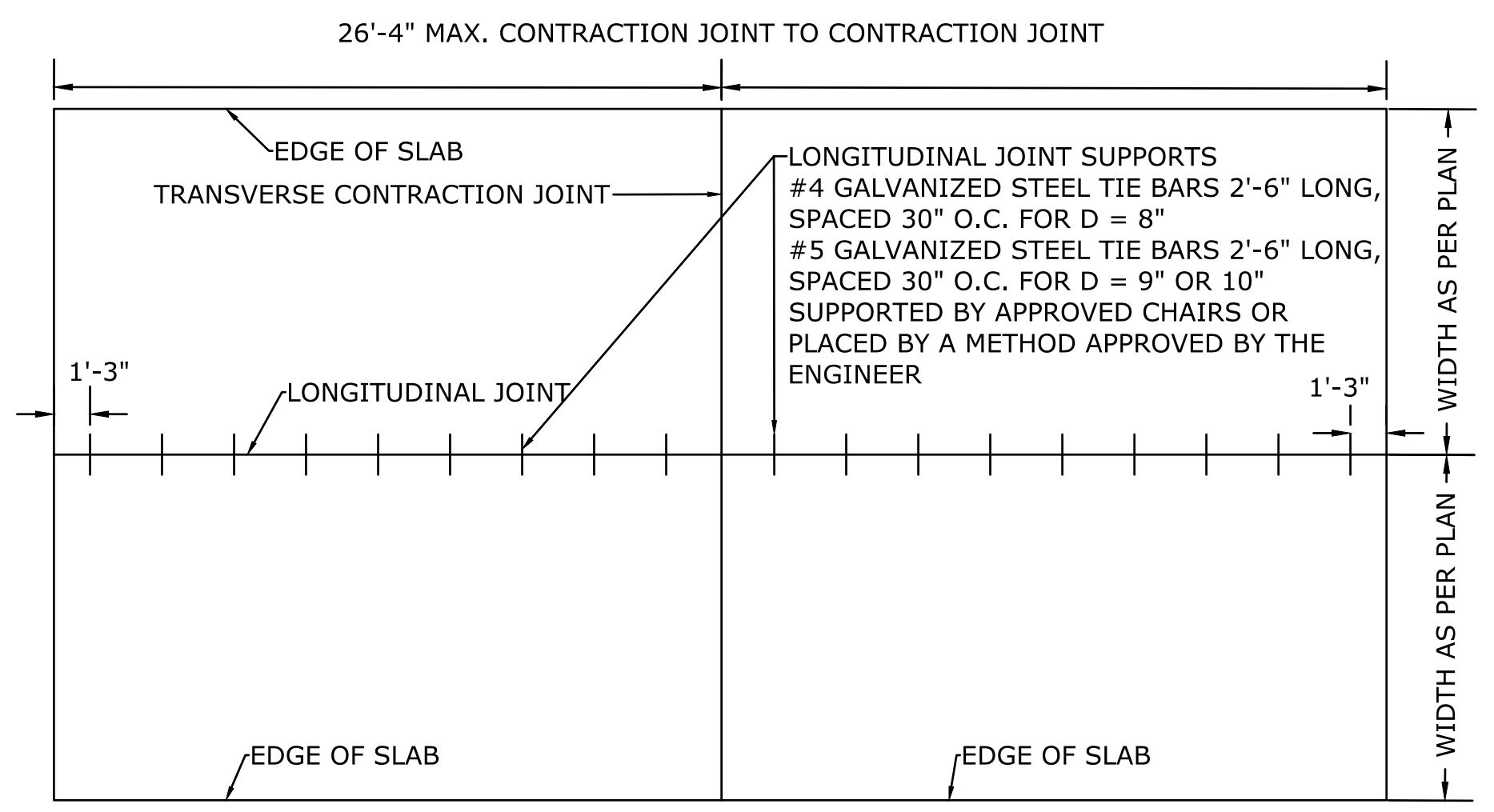
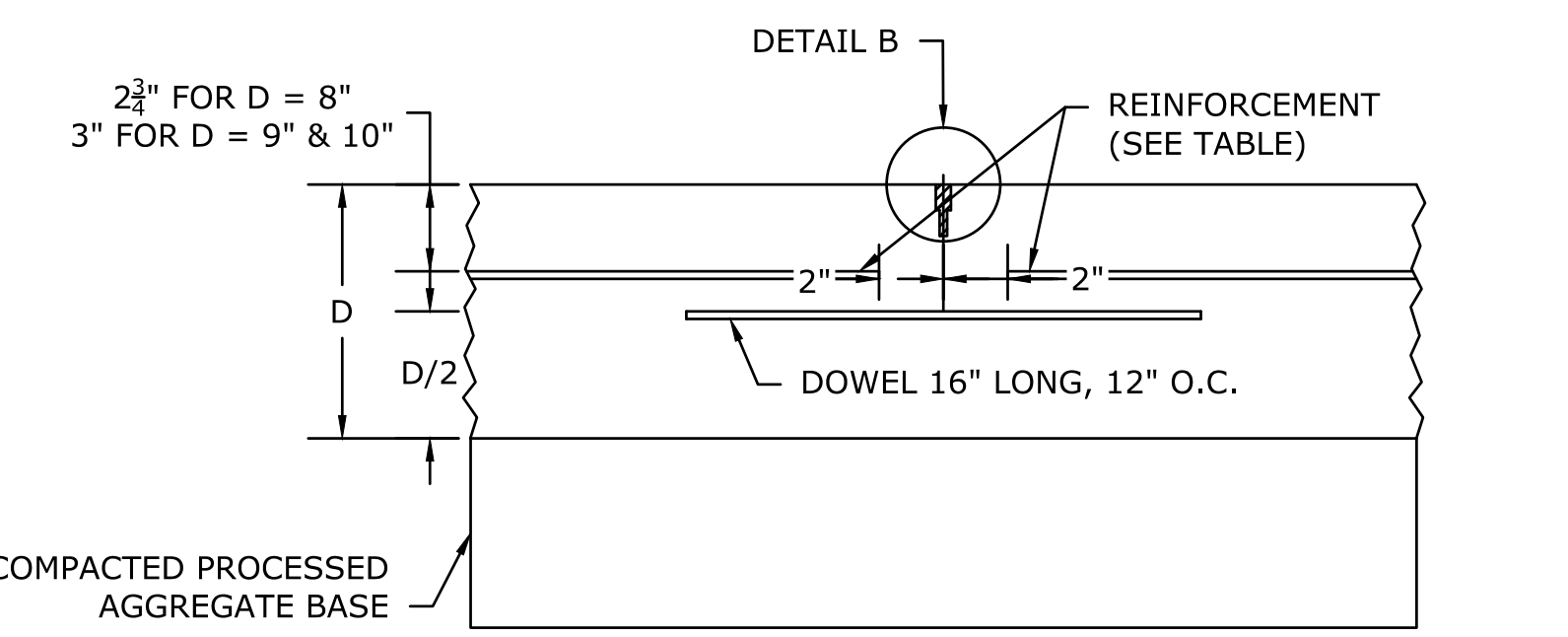
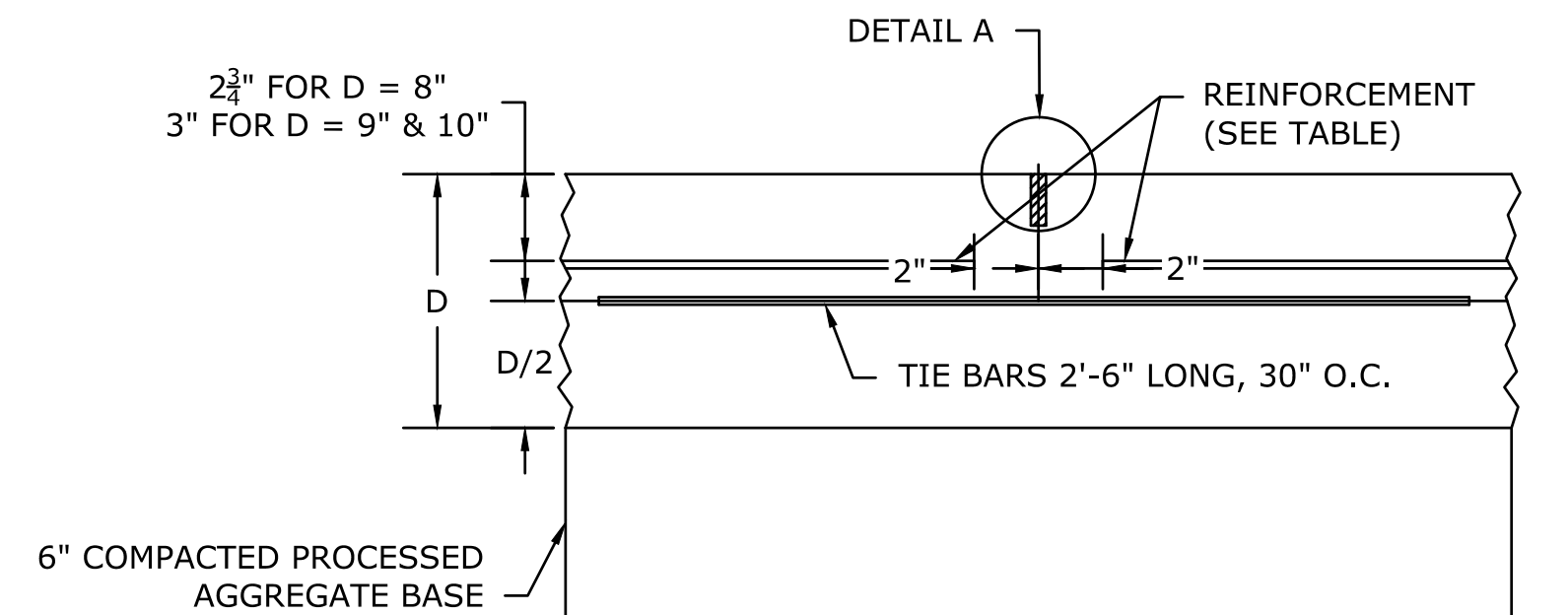
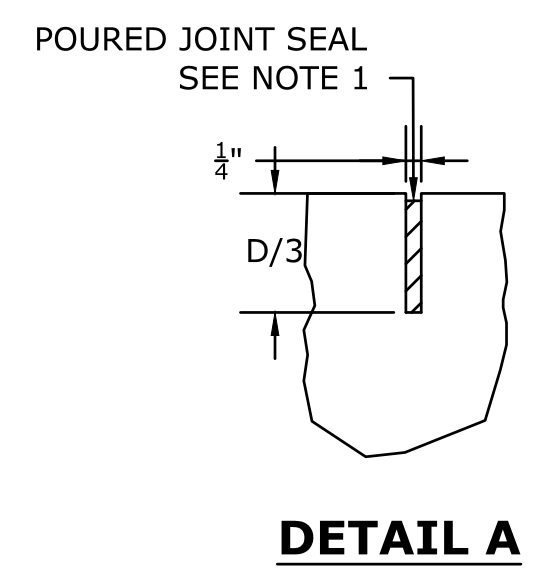
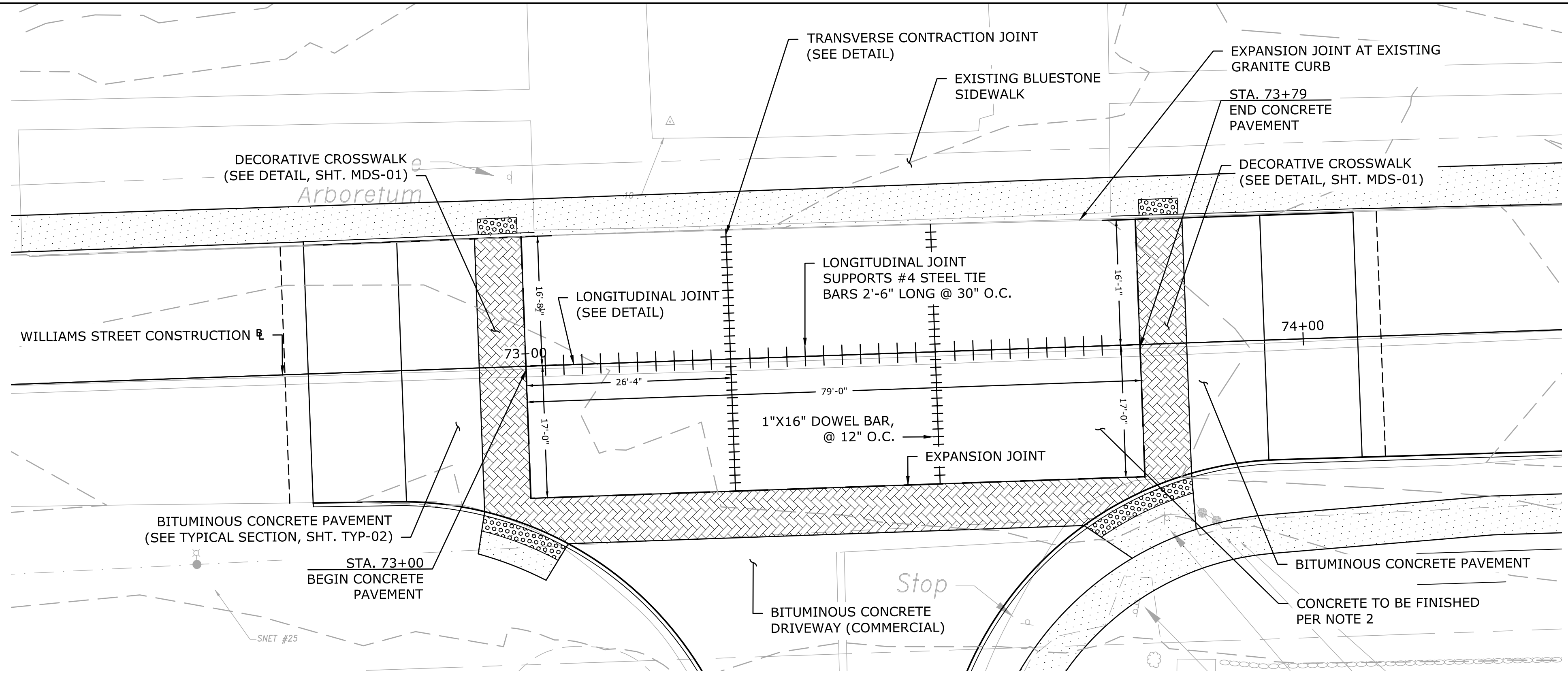
TOWN:
 NEW LONDON

DRAWING TITLE:
 MISCELLANEOUS DETAILS

PROJECT NO.
 0094-0258

DRAWING NO.
 MDS-02

SHEET NO.



- NOTES:**
- AT FIRST POURING, THE JOINT SEAL MATERIAL SHALL FILL THE JOINT FLUSH WITH THE PAVEMENT SURFACE. AFTER THIS MATERIAL HAS COOLED AND CONTRACTED, THE REMAINING JOINT OPENING SHALL BE FILLED TO WITHIN 1/8" OF THE PAVEMENT SURFACE.
 - CONCRETE TO BE FORM LINER FINISHED WITH 18" X 36" BLUESTONE PATTERN HERRINGBONE LAYOUT.
 - THE DESIGN INTENT IS TO PROVIDE A DECORATIVE, RAISED INTERSECTION WITH A SIMILAR LOOK TO THE EXISTING BLUESTONE SIDEWALK. COLOR TO MATCH. CONTRACTOR SHALL PROVIDE A MOCK-UP OF THE COLOR FOR REVIEW AND APPROVAL BY THE ENGINEER.
 - ALL WORK ASSOCIATED WITH THE CONSTRUCTION OF THE CONCRETE PAVEMENT SHALL BE ACCORDANCE WITH CONNDOT FORM 817 SECTION 4.01.
 - CONCRETE TO BE SEALED WITH A PROTECTIVE COMPOUND/SEALER CONFORMING TO CONNDOT FORM 817 SECTION M.03.09.

PAVEMENT CRITERIA

DEPTH OF PAVEMENT (D)	8"
WELDED WIRE FABRIC	6X6-W5.5XW5.5

EXPANSION JOINT SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PREPARED FOR:
CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320

SCALE: NONE

655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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ENGINEER: MS DATE: JULY 14, 2020
APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

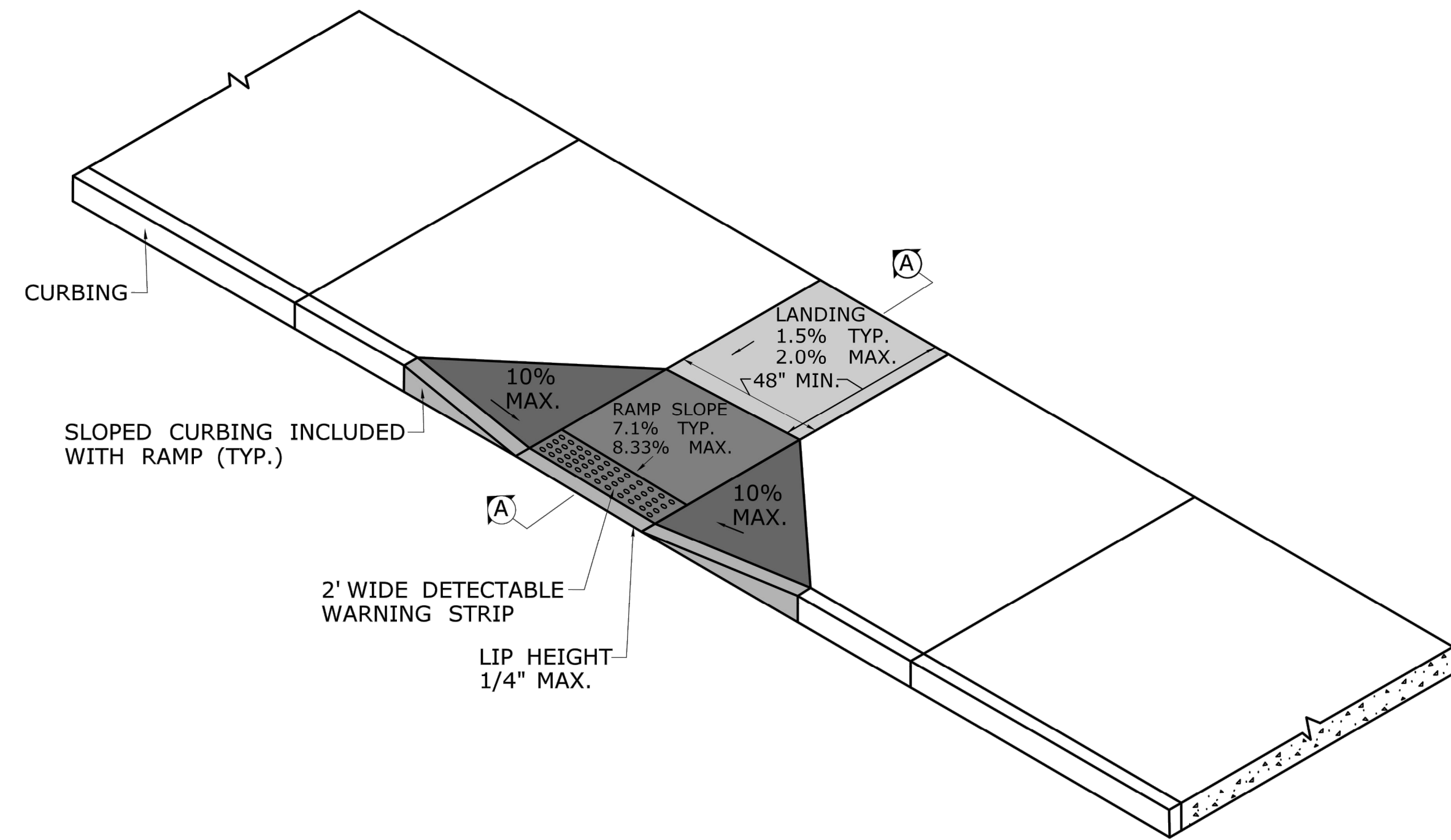
TOWN:
NEW LONDON

DRAWING TITLE:
MISCELLANEOUS DETAILS

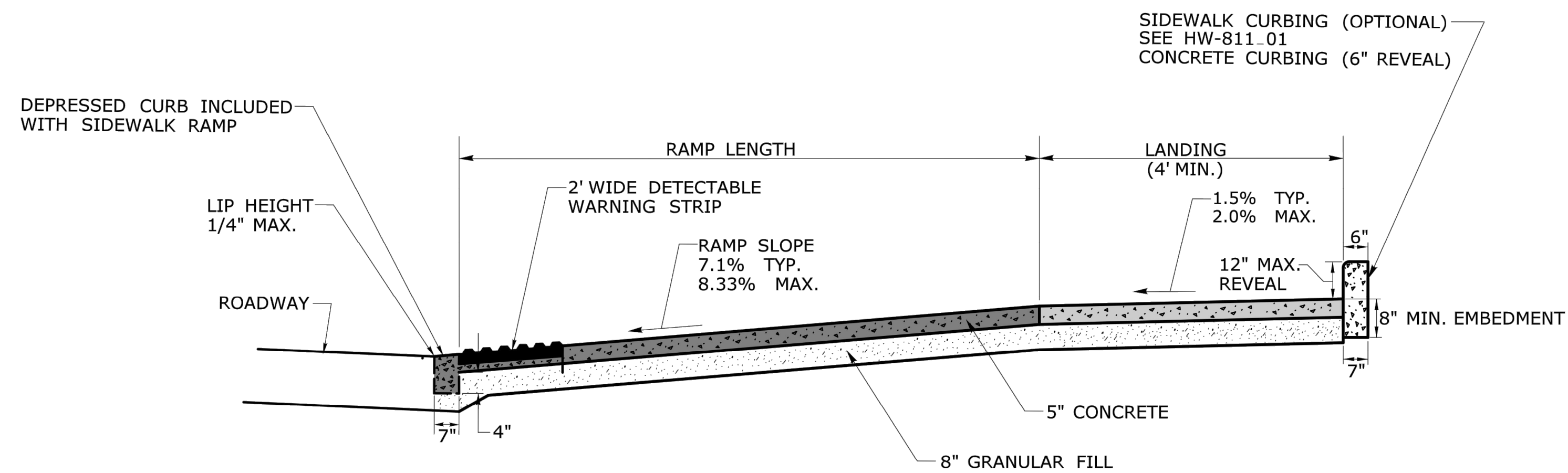
PROJECT NO.
0094-0258

DRAWING NO.
MDS-03

SHEET NO.

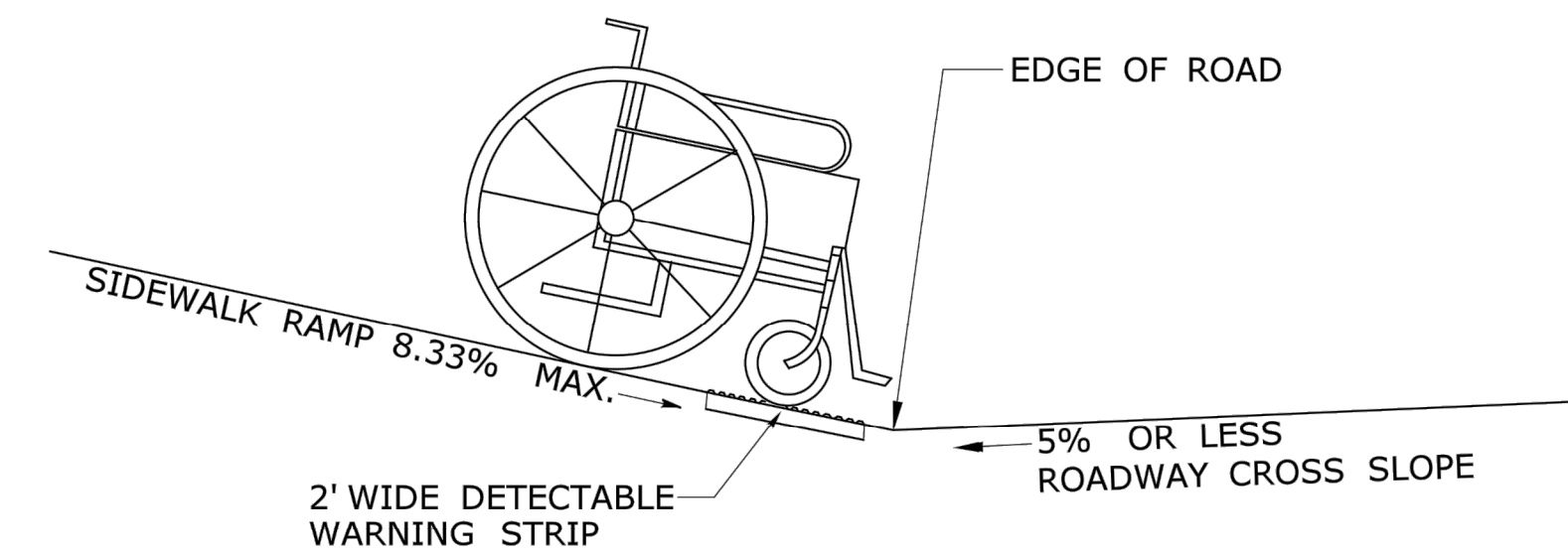


PERPENDICULAR SIDEWALK RAMP

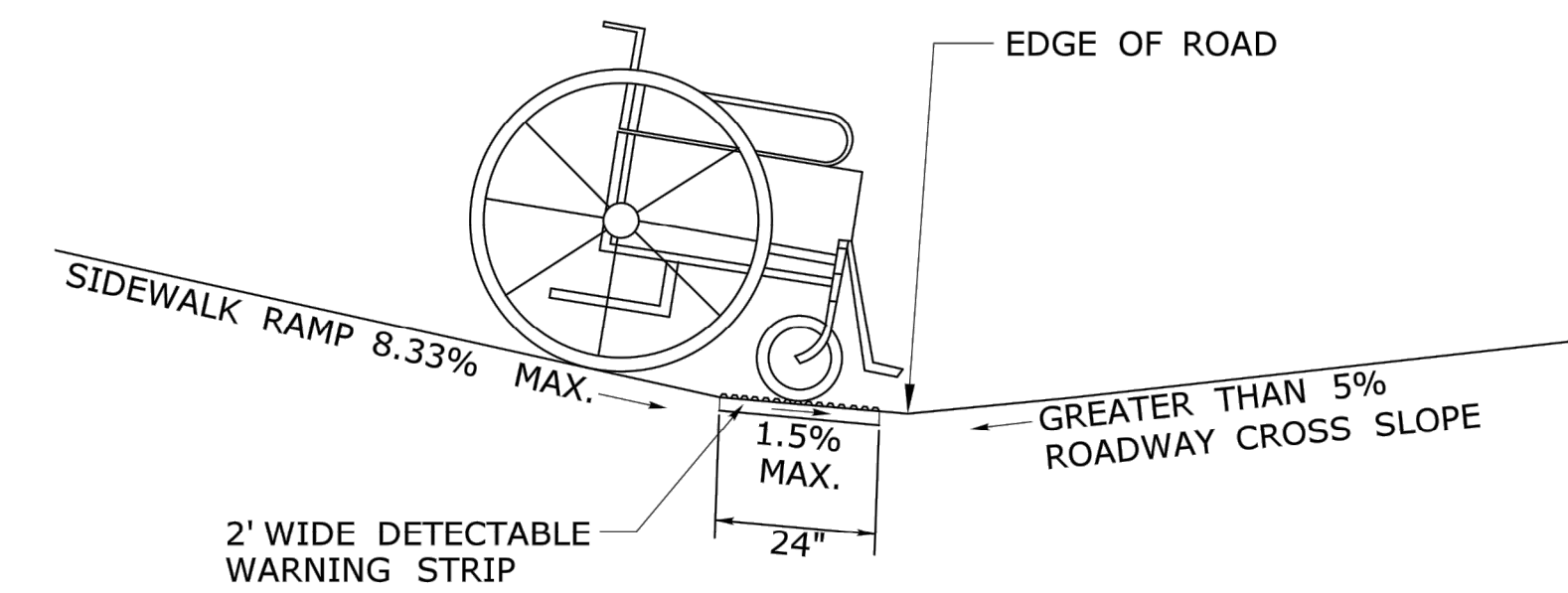


SECTION AA

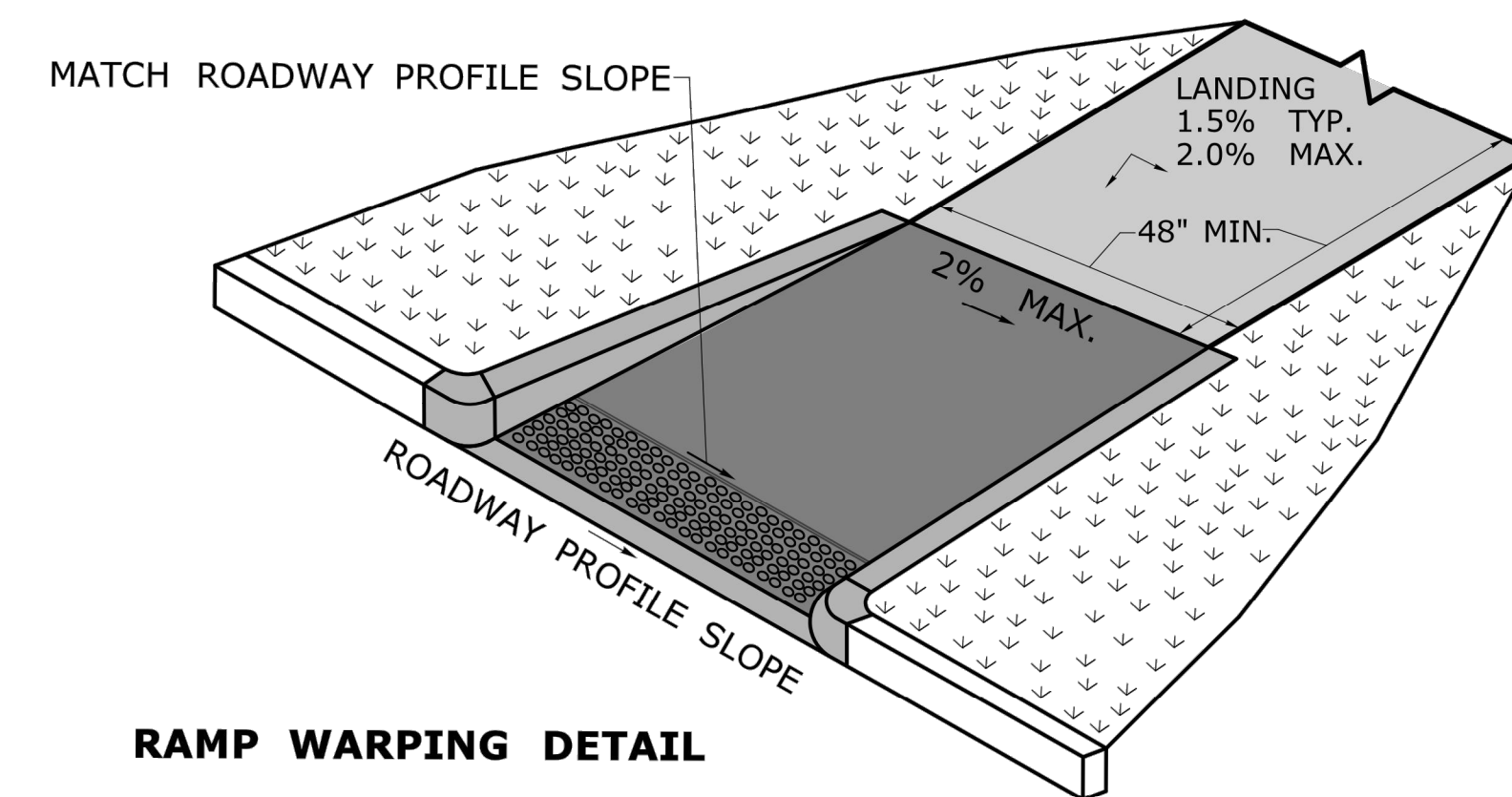
- GENERAL NOTES:**
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
 4. THE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



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



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



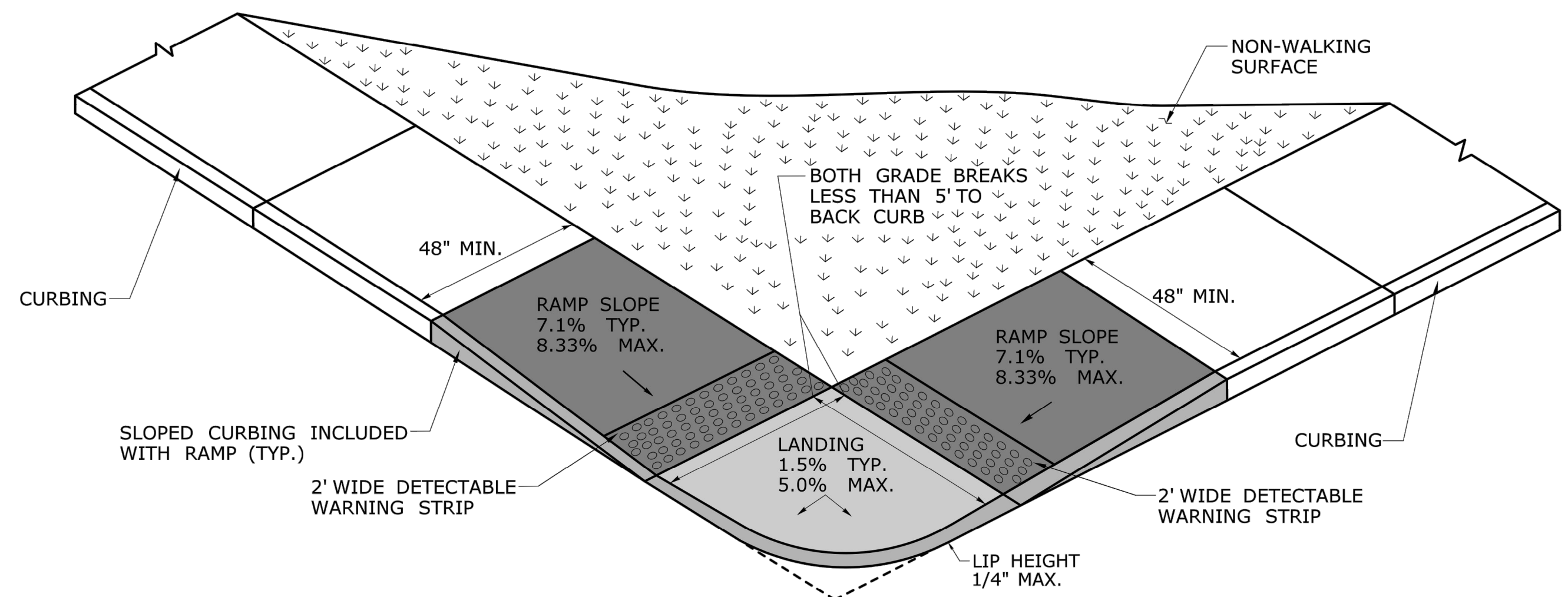
RAMP WARPING DETAIL

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

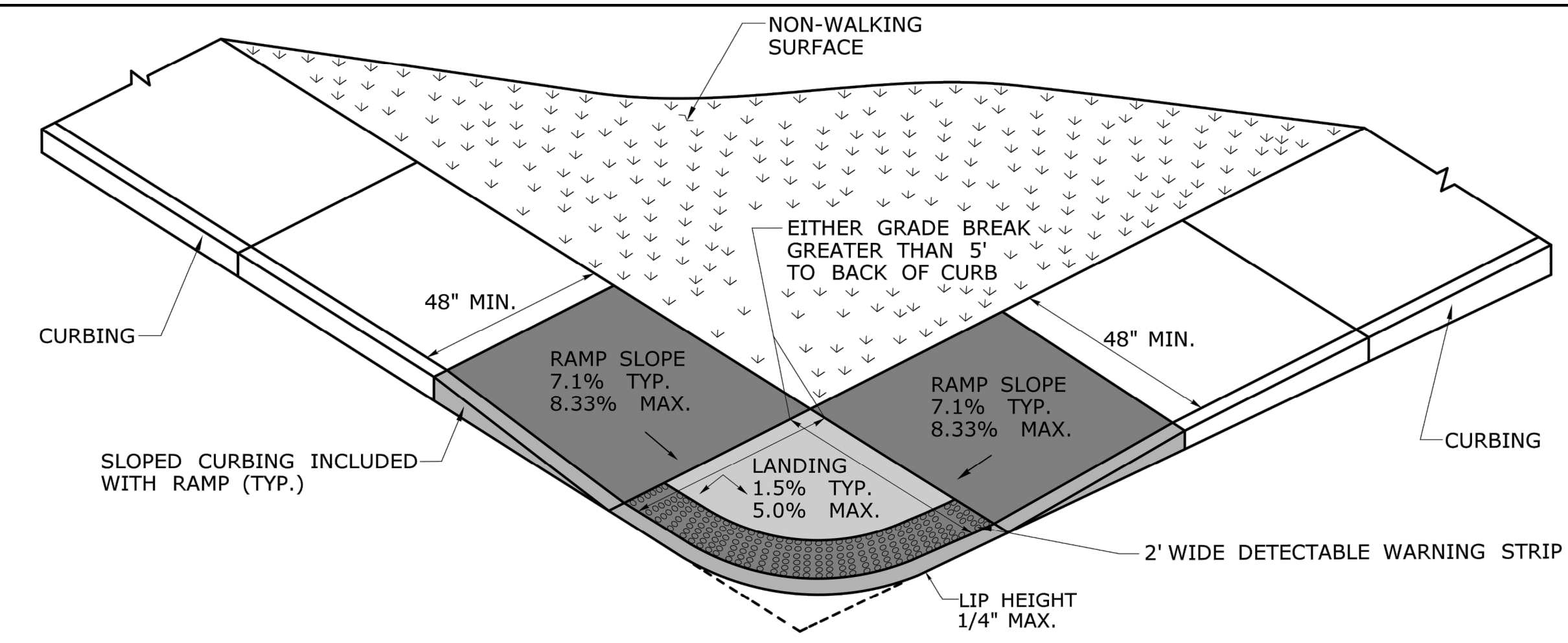
DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

1.	6/19	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE		DESIGNER/DRAFTER: -		SIGNATURE/BLOCK: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
				CHECKED BY: -		OFFICE OF ENGINEERING	-	-	-
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/11/2019	Filename: ...CTDOT_HIGHWAY_GD [5-30-19].dgn	APPROVED BY: -		DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 1	SHEET NO. -

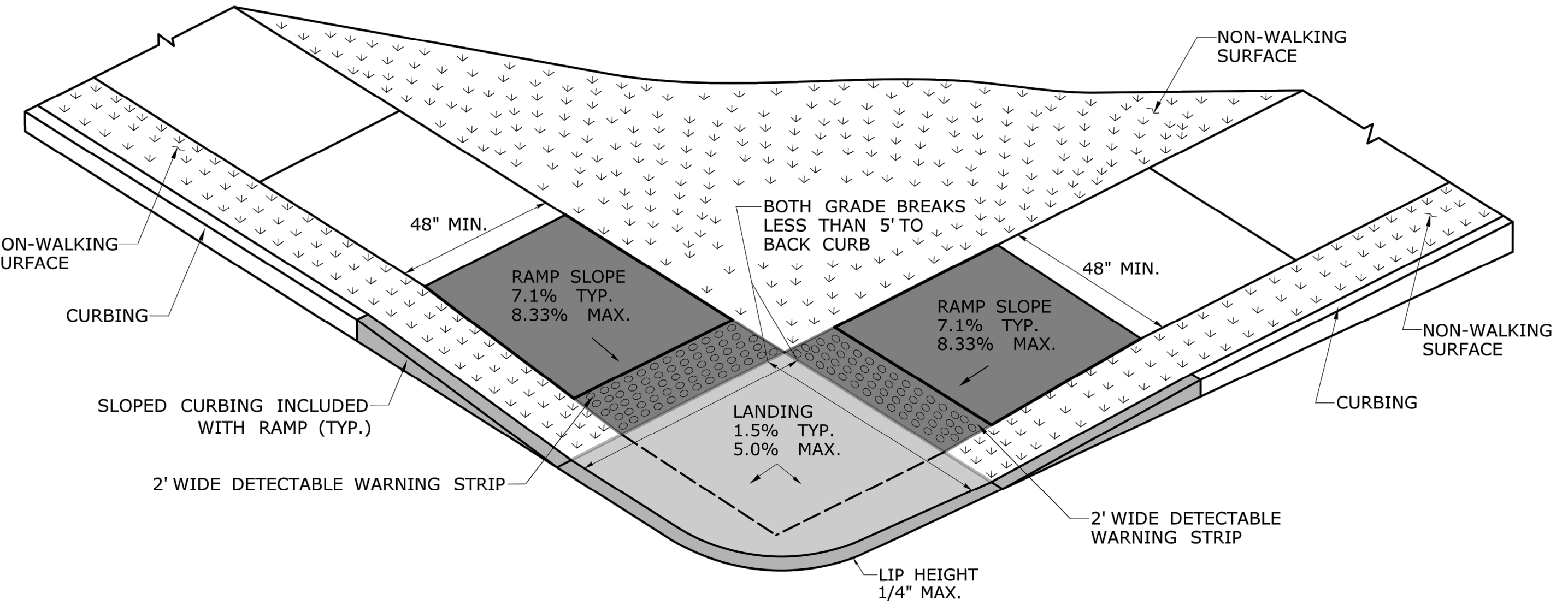
PREPARED FOR:	SCALE: AS SHOWN		655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227	PROJECT TITLE:	TOWN:	PROJECT NO.:
CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320		© 2020 BSC GROUP, INC.		WILLIAMS STREET IMPROVEMENTS	NEW LONDON	0094-0258
REV. DATE REVISION DESCRIPTION SHEET NO.		ENGINEER: MS	DATE: JULY 14, 2020		DRAWING TITLE:	DRAWING NO.:
Filename: 8372700-DET.DWG		APPROVED BY: ROBERT NEWTON, PE	No. 20662		MISCELLANEOUS DETAILS	MDS-04
						SHEET NO.:



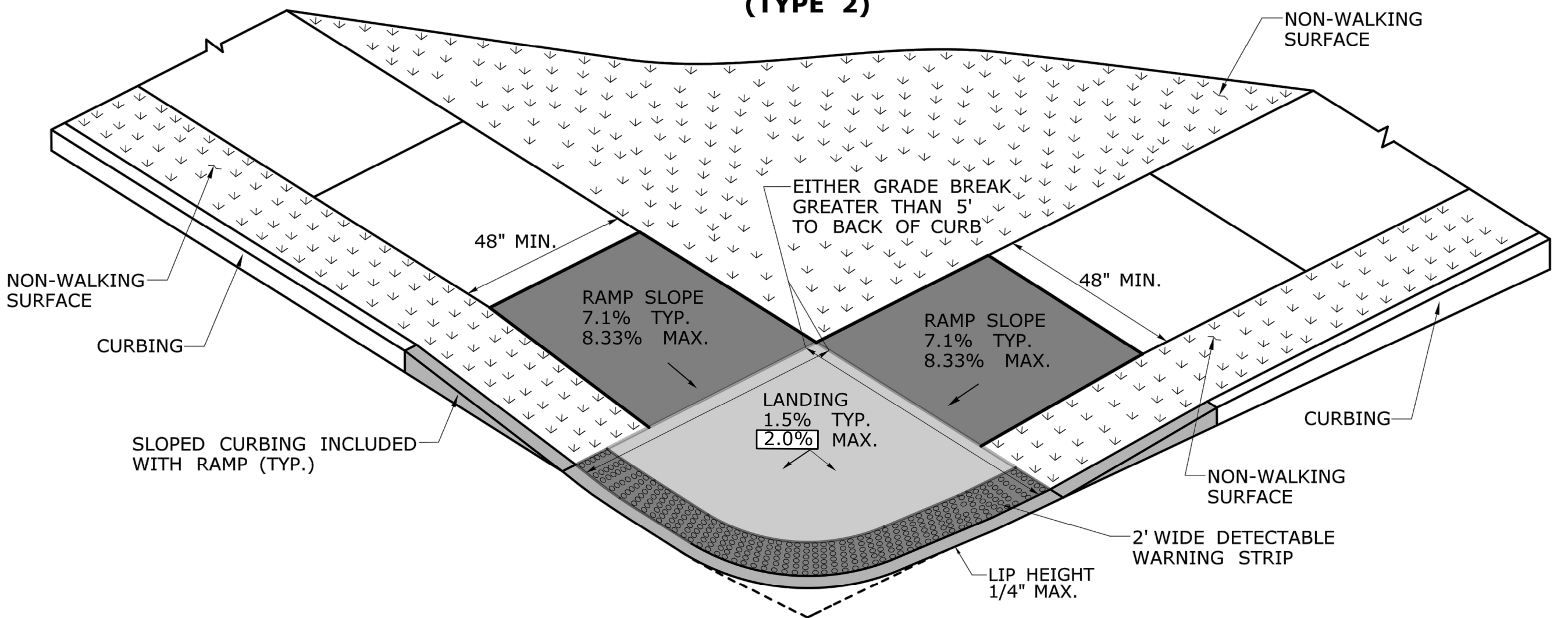
PERPENDICULAR RAMP WITH A GRADE BREAK OF 5' OR LESS (TYPE 1)



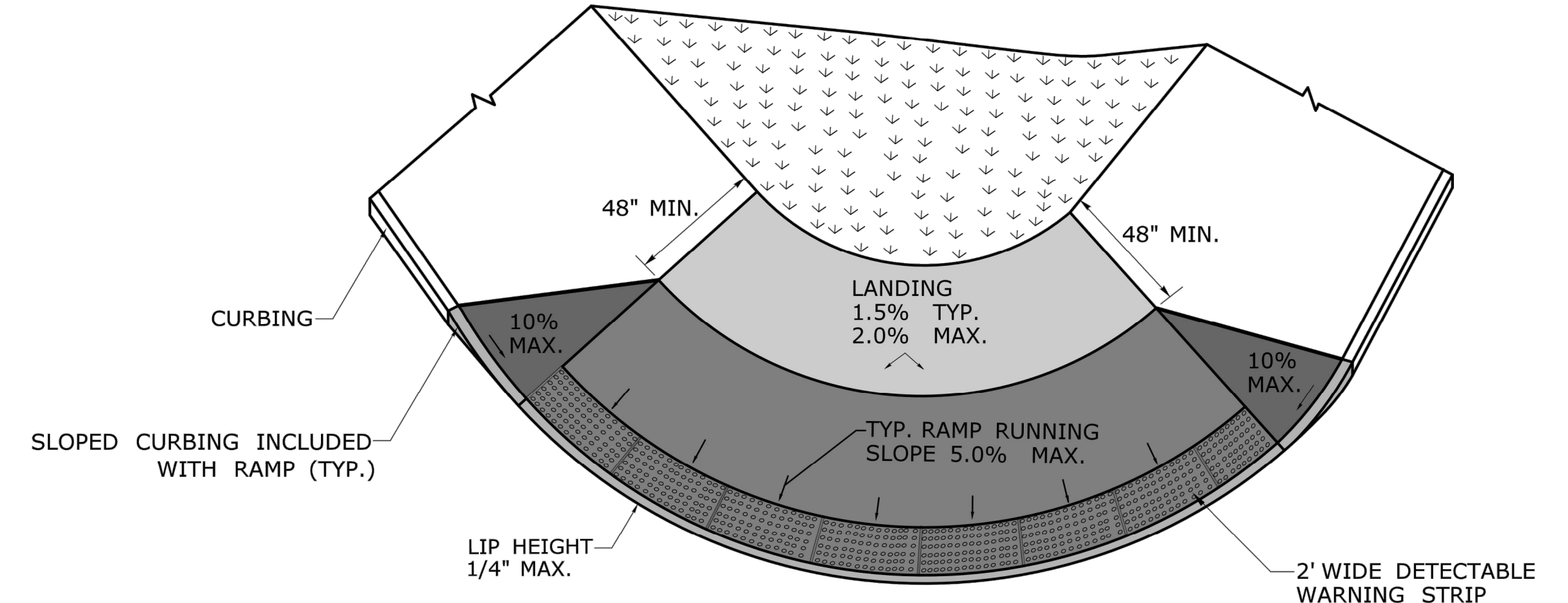
BLENDED TRANSITION WITH GRADE BREAK GREATER THAN 5' (TYPE 2)



PERPENDICULAR RAMP TO BACK OF CURB OF 5' OR LESS (TYPE 3)



BLENDED TRANSITION TO BACK OF CURB GREATER THAN 5' (TYPE 4)



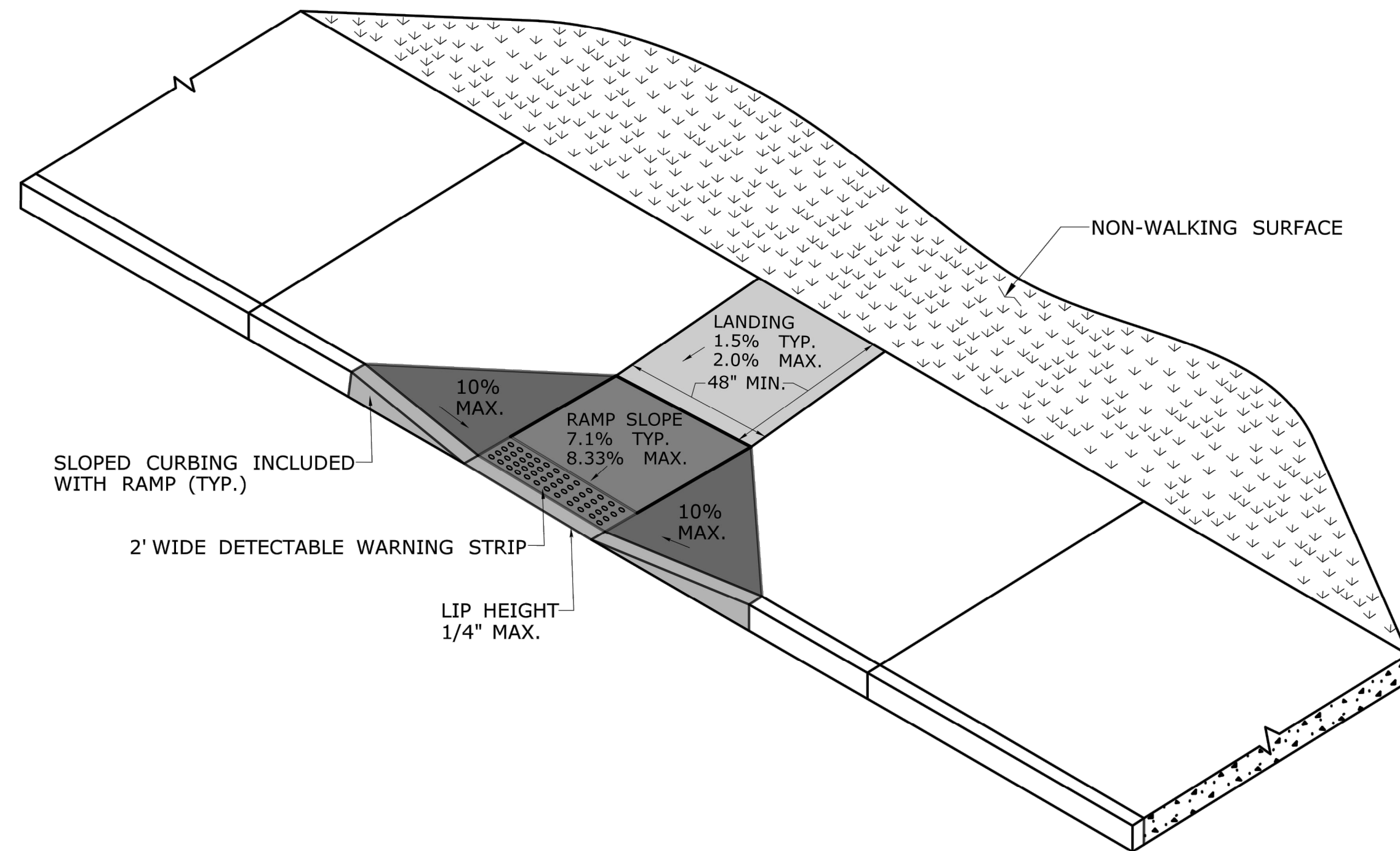
BLENDED TRANSITION WITH LANDING AT TOP (TYPE 5)

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

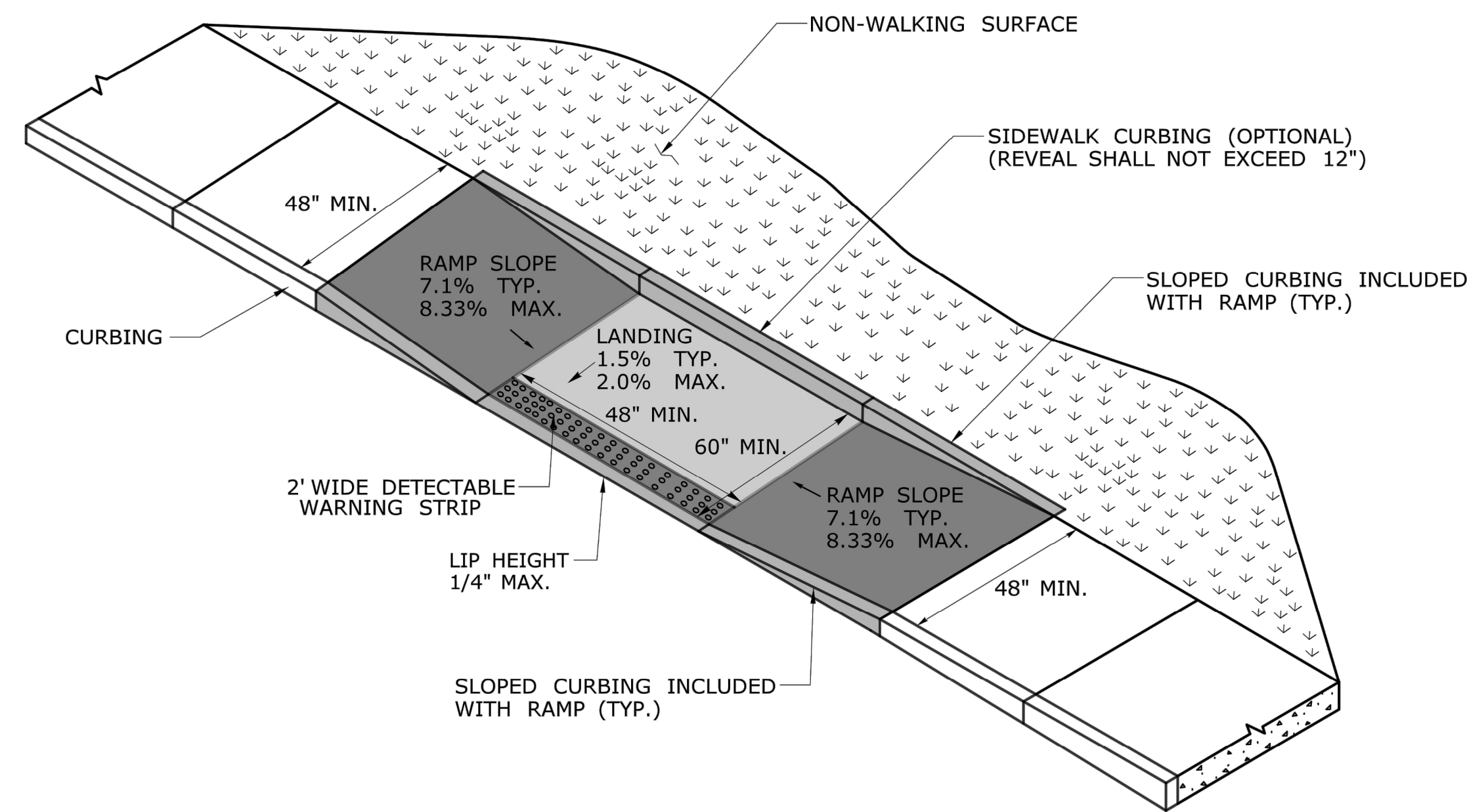
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: - CHECKED BY: -	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>OFFICE OF ENGINEERING</p>	SIGNATURE/BLOCK: - - - APPROVED BY:	PROJECT TITLE: -	TOWN: -	PROJECT NO. -	DRAWING NO. -	SHEET NO. -
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CONCRETE SIDEWALK RAMPS - SHEET 2

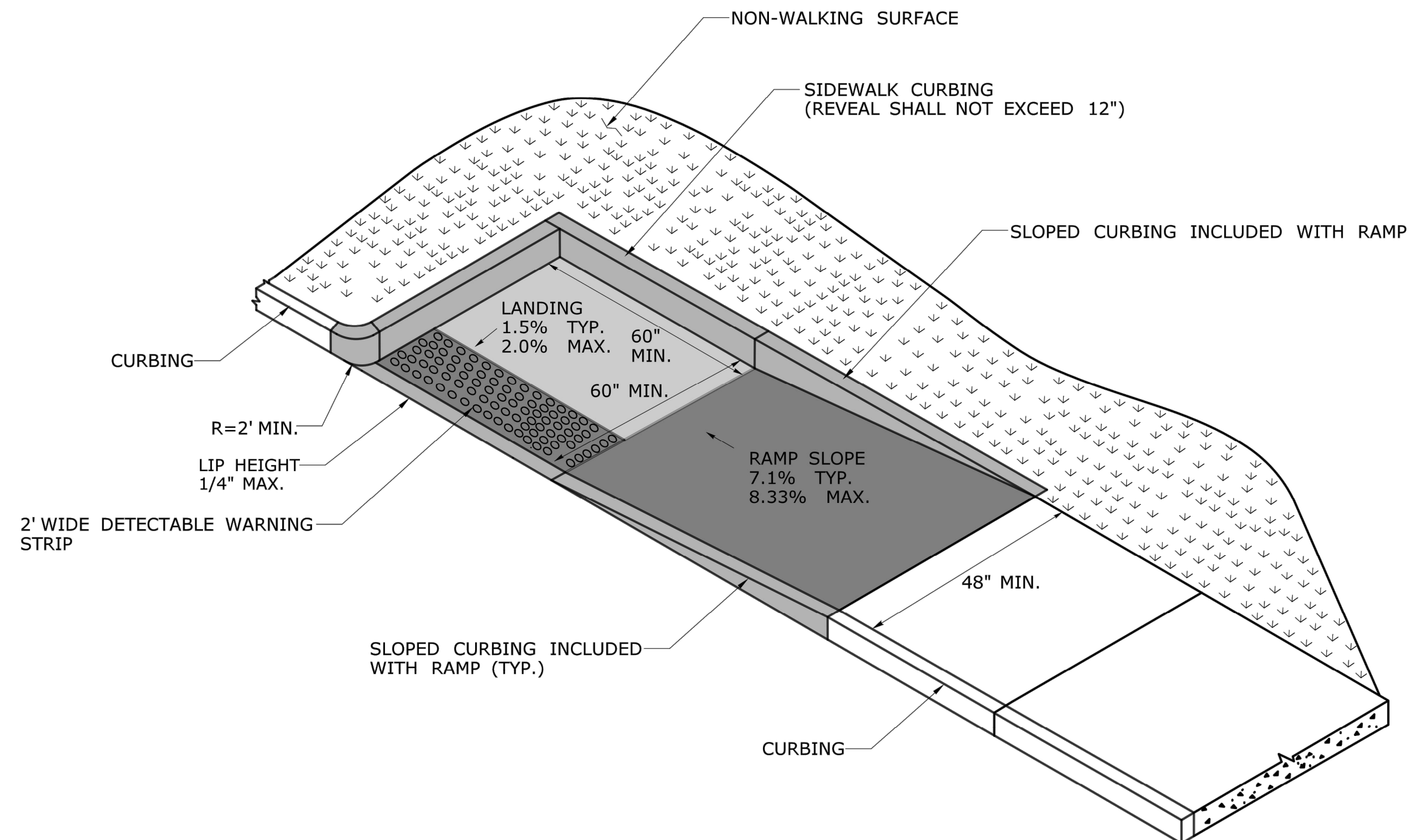
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE: AS SHOWN	<p>BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227</p>	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258	
				ENGINEER: MS	DATE: JULY 14, 2020	APPROVED BY: ROBERT NEWTON, PE	No. 20662	DRAWING TITLE: MISCELLANEOUS DETAILS	DRAWING NO. MDS-05	SHEET NO.



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



PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)

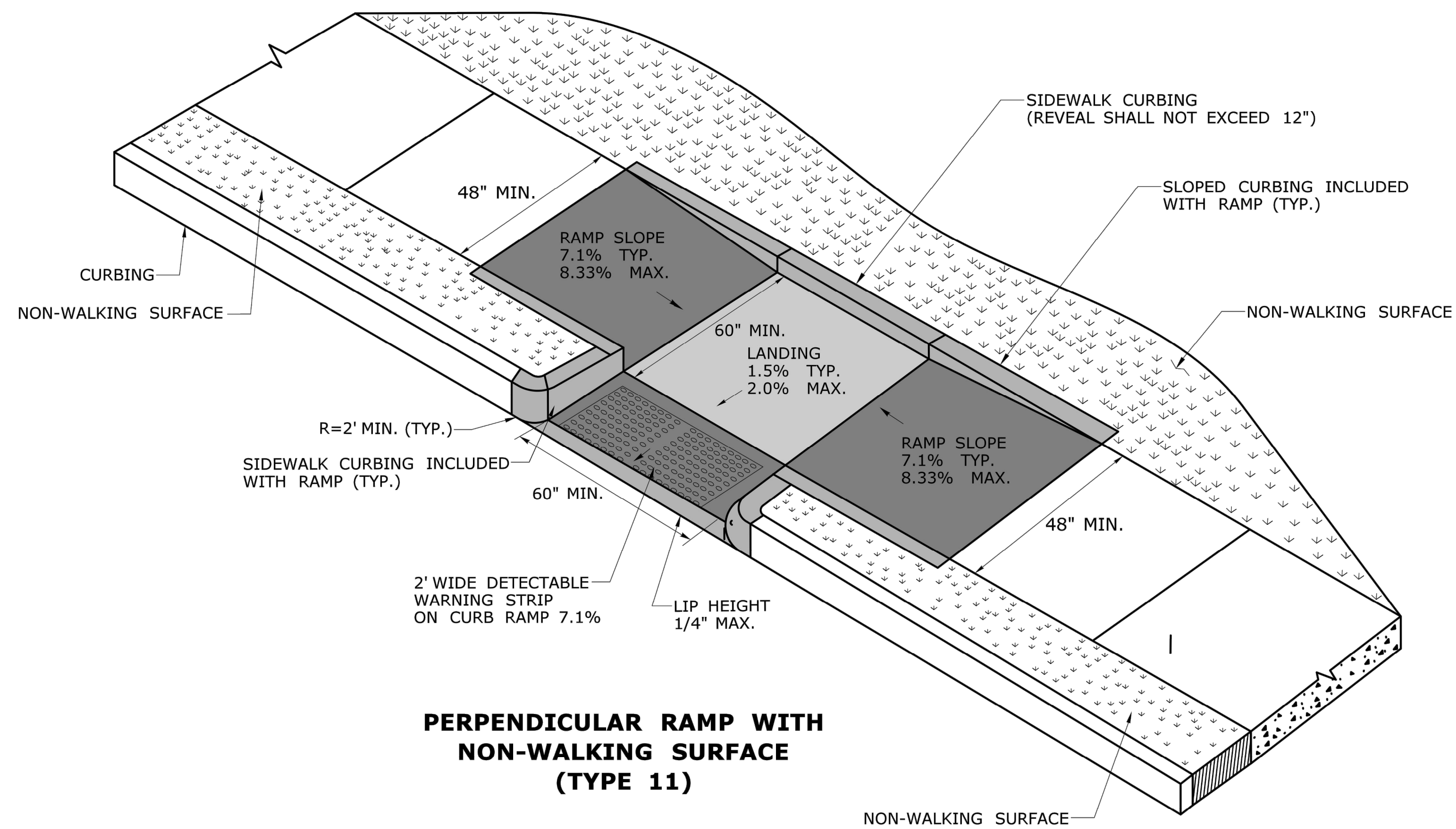


PARALLEL RAMP WITH LANDING AT BOTTOM ON CORNER (TYPE 10)

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

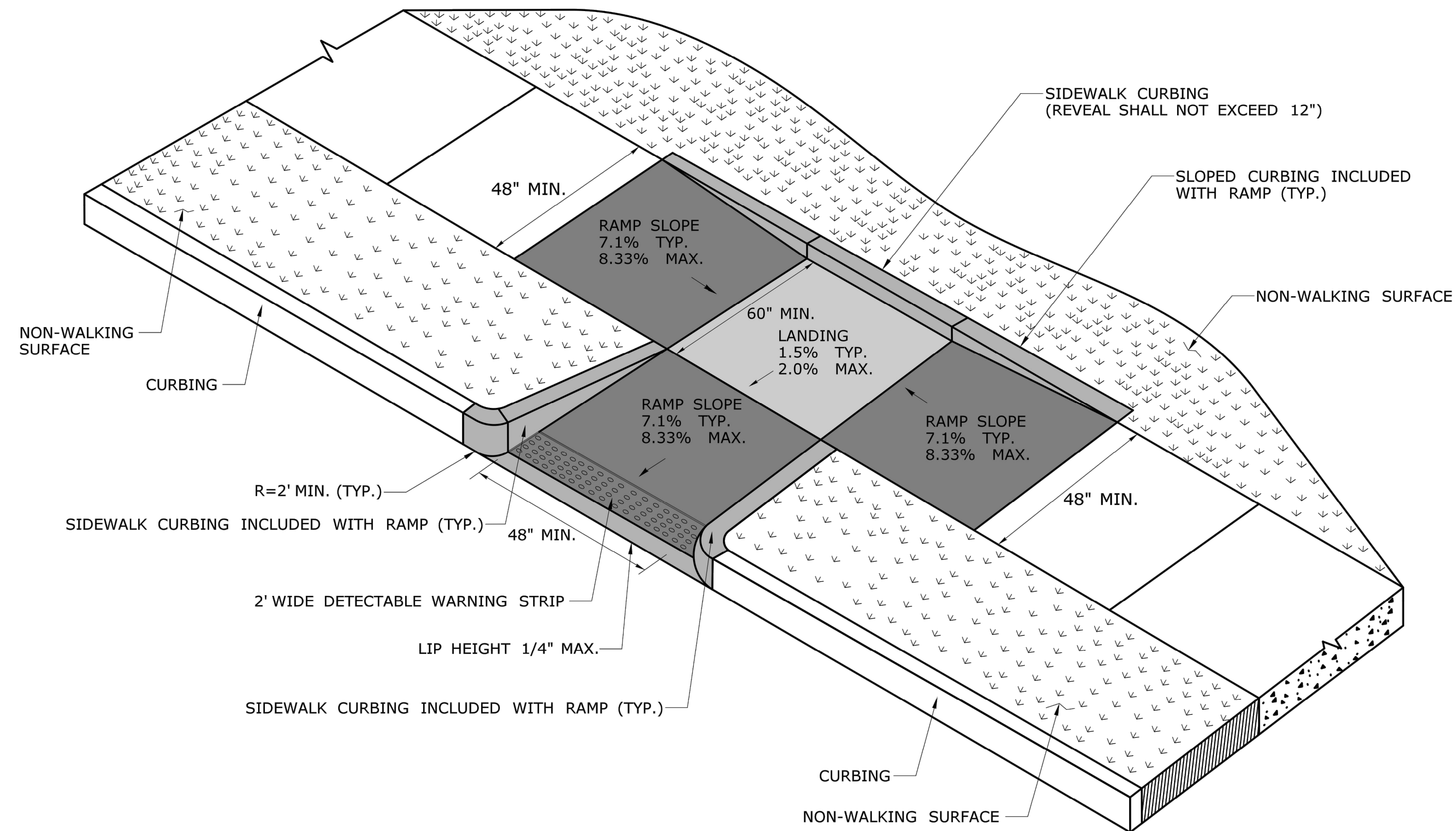
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.				DESIGNER/DRAFTER: - CHECKED BY: -	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: - APPROVED BY: -	PROJECT TITLE: - - -	TOWN: - -	PROJECT NO.: - DRAWING NO.: - SHEET NO.: -
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	Filename: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn	CONCRETE SIDEWALK RAMPS SHEET 4			

PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320				SCALE: AS SHOWN 	BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227 © 2020 BSC GROUP, INC.	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO.: 0094-0258
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Filename: 8372700-DET.DWG	ENGINEER: MS APPROVED BY: ROBERT NEWTON, PE	DATE: JULY 14, 2020 No. 20662	DRAWING TITLE: MISCELLANEOUS DETAILS	DRAWING NO.: MDS-06 SHEET NO.:

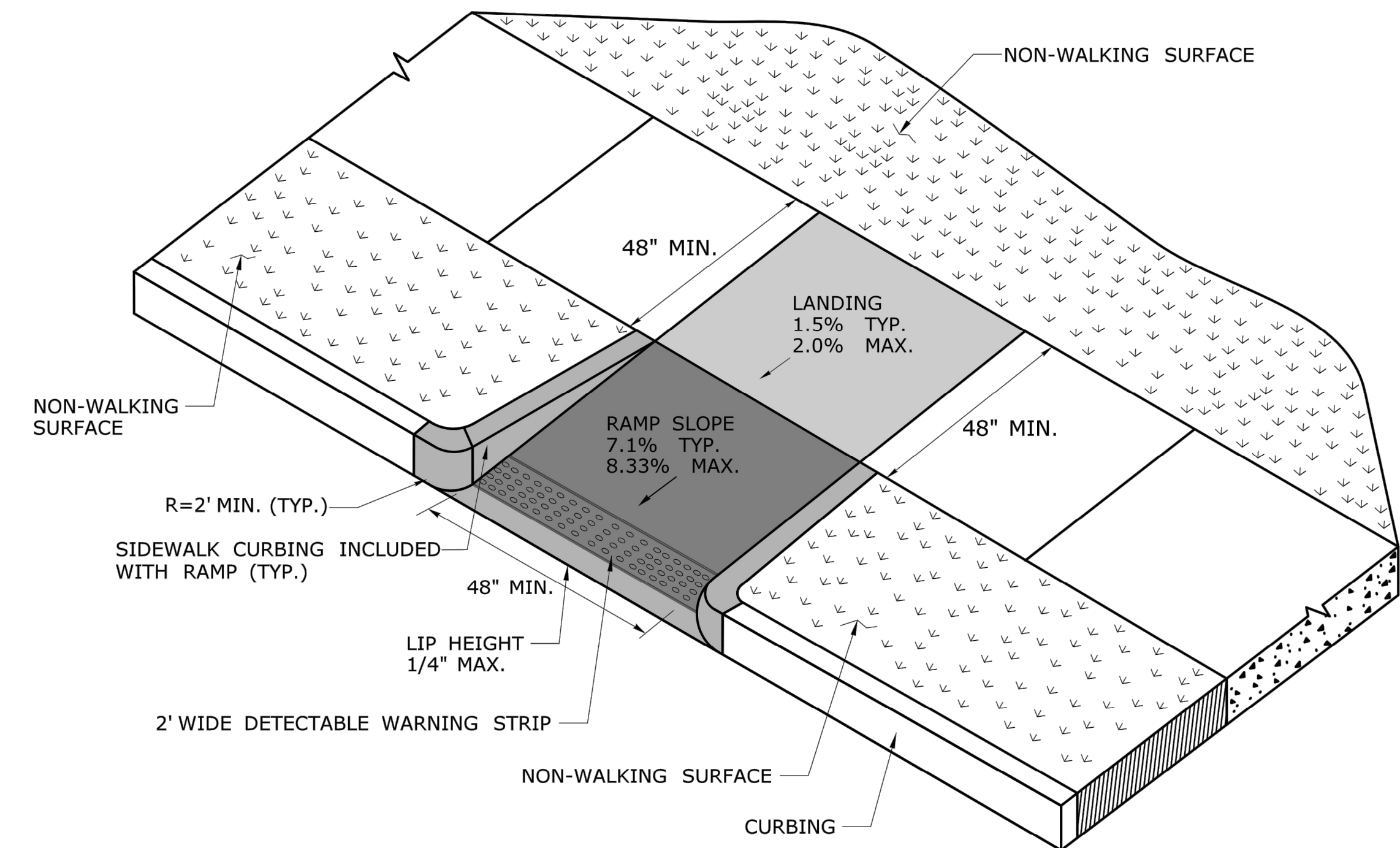


**PERPENDICULAR RAMP WITH
NON-WALKING SURFACE
(TYPE 11)**

NON-WALKING SURFACE



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

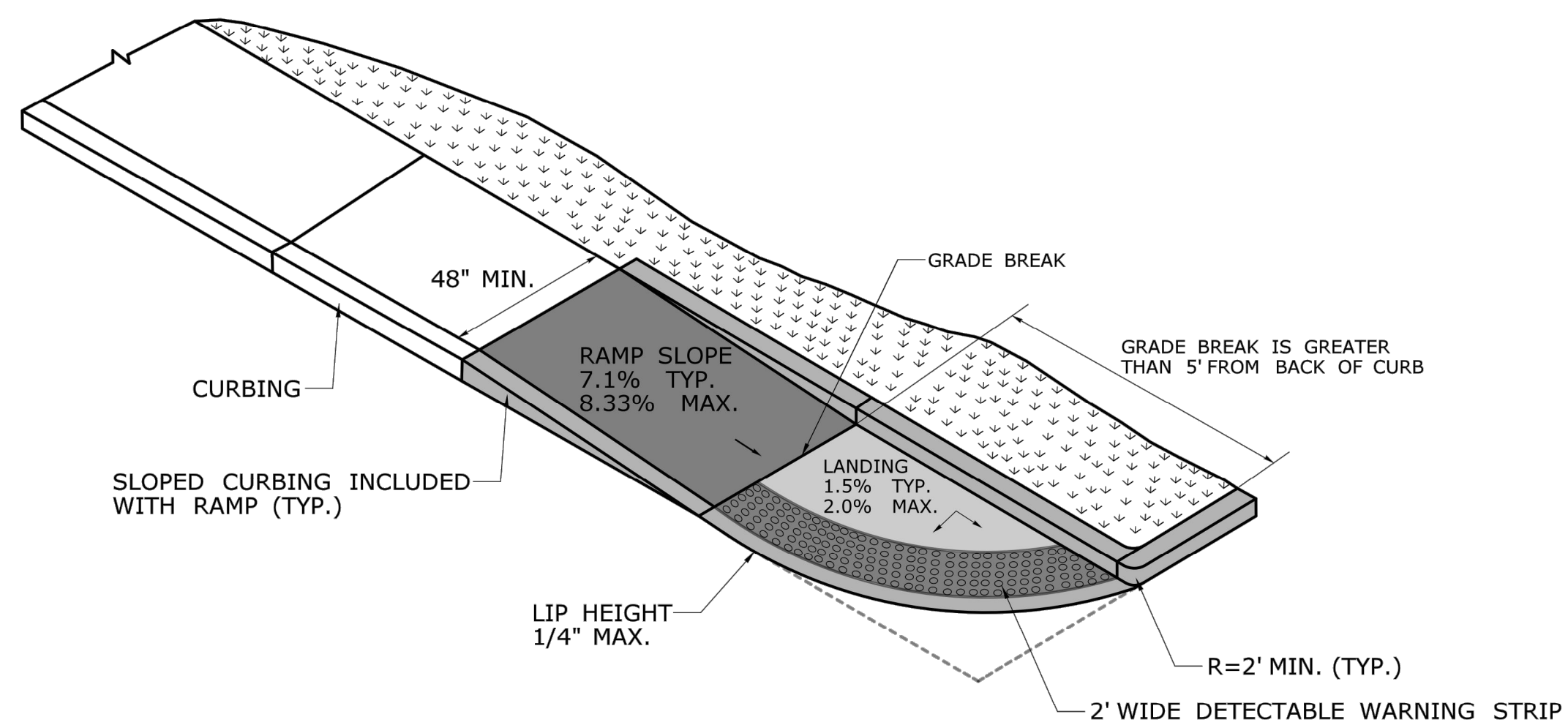


**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 13)**

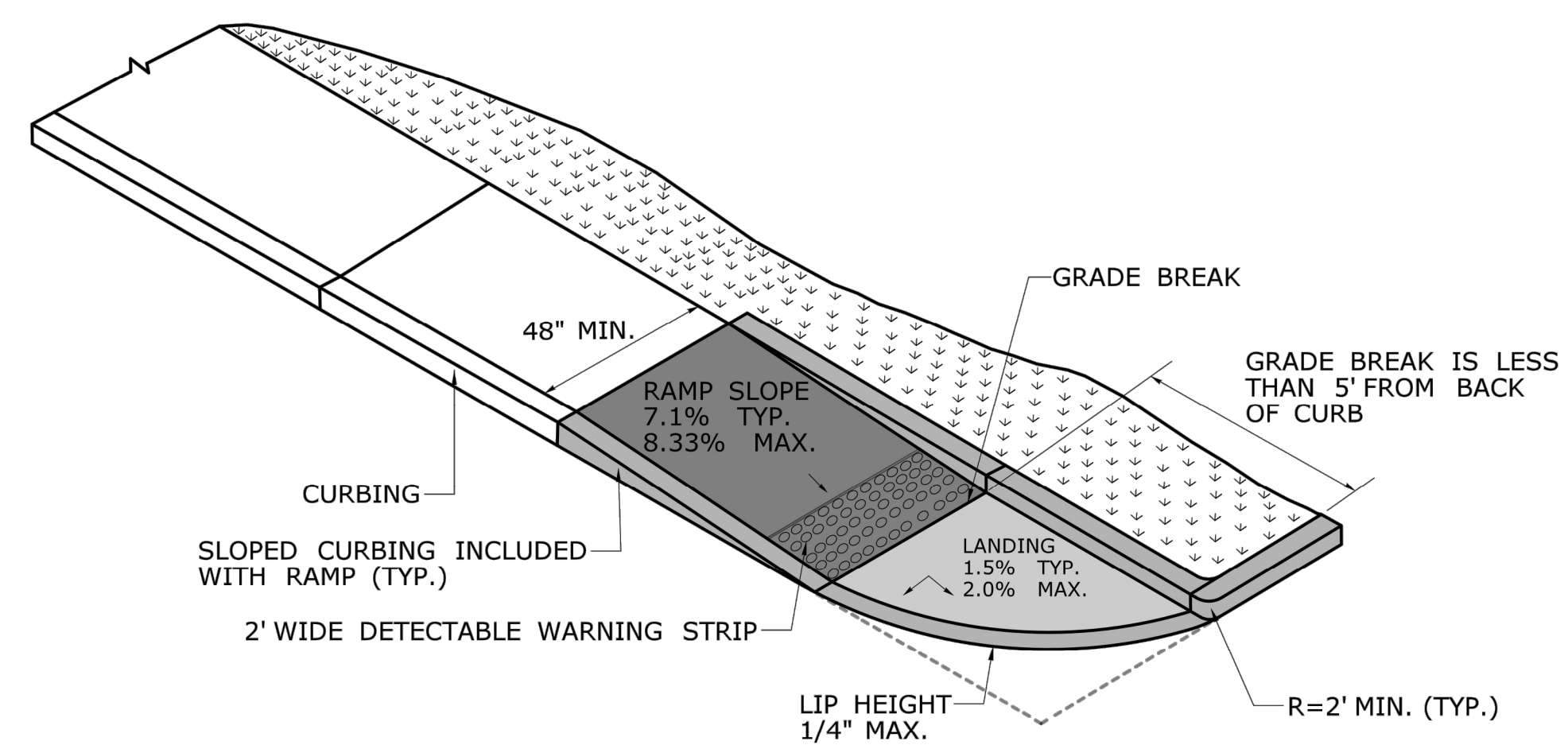
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CHECKED BY: -		APPROVED BY: -	DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 5	DRAWING NO. -	SHEET NO. -
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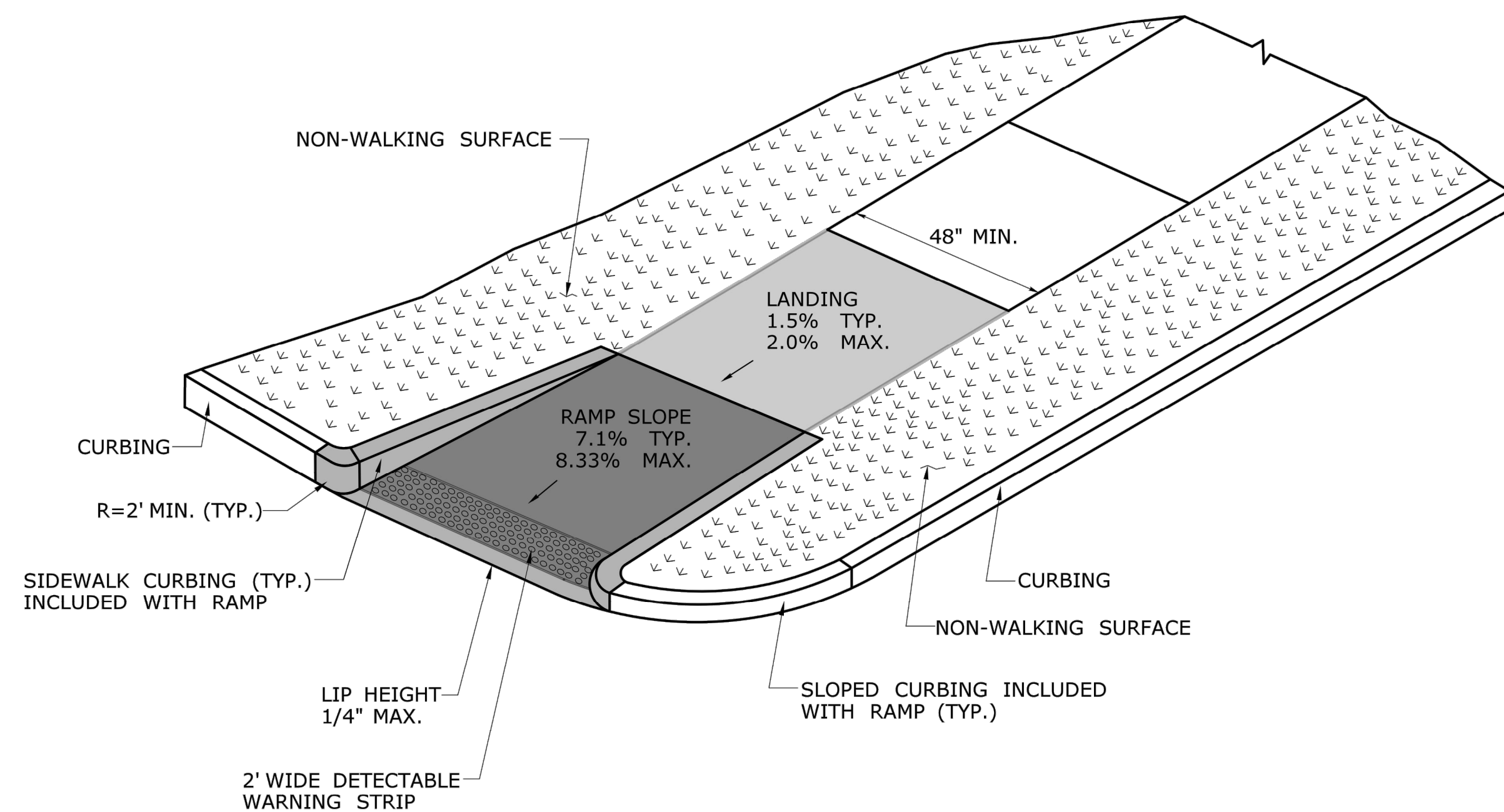
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REV. DATE	REVISION DESCRIPTION	SHEET NO.	ENGINEER: MS APPROVED BY: ROBERT NEWTON, PE	DRAWING TITLE: MISCELLANEOUS DETAILS	DRAWING NO. MDS-07
Filename: 8372700-DET.DWG			DATE: JULY 14, 2020 No. 20662		SHEET NO.



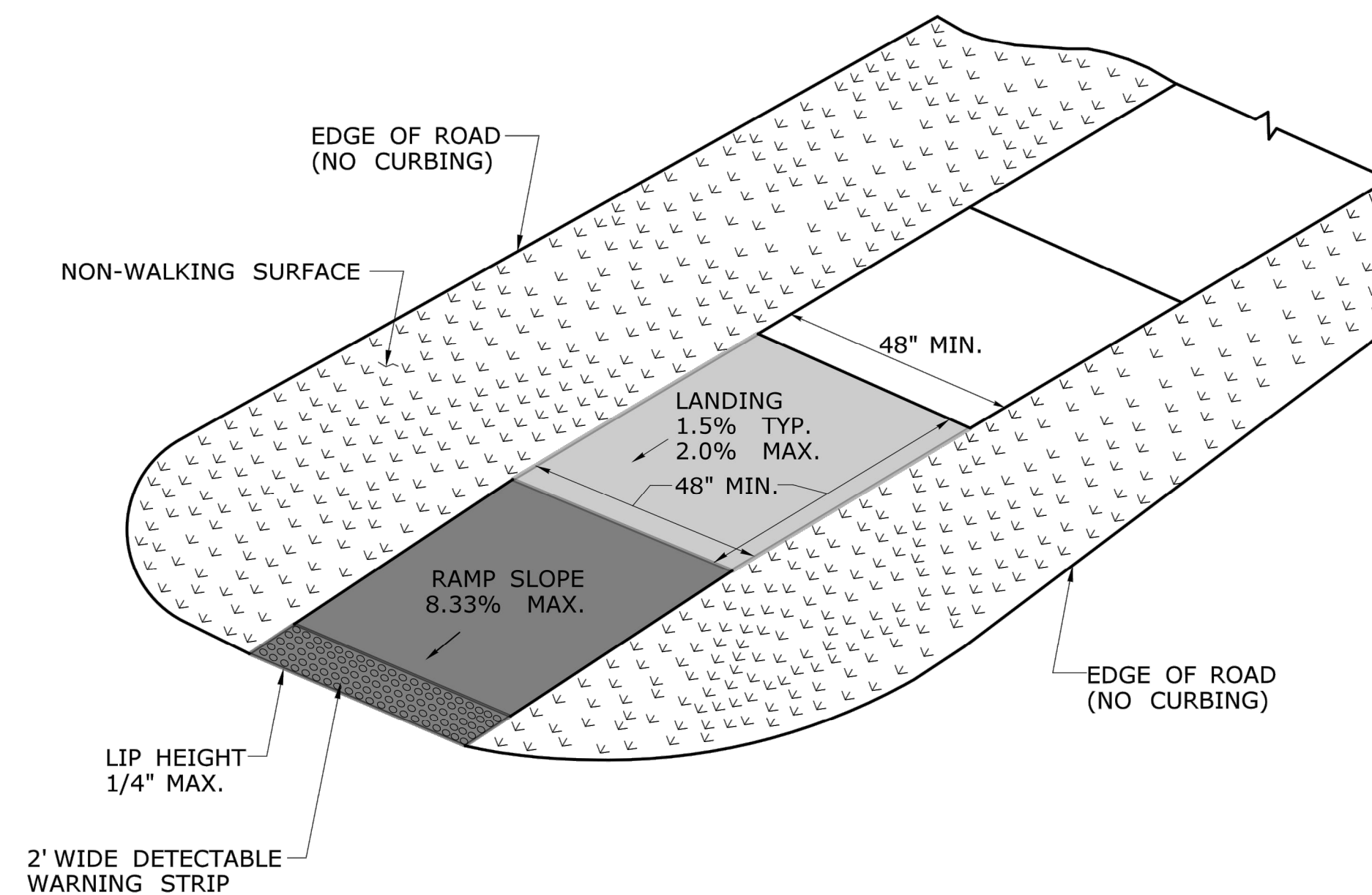
**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)**



**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK LESS THAN 5'
(TYPE 15)**



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

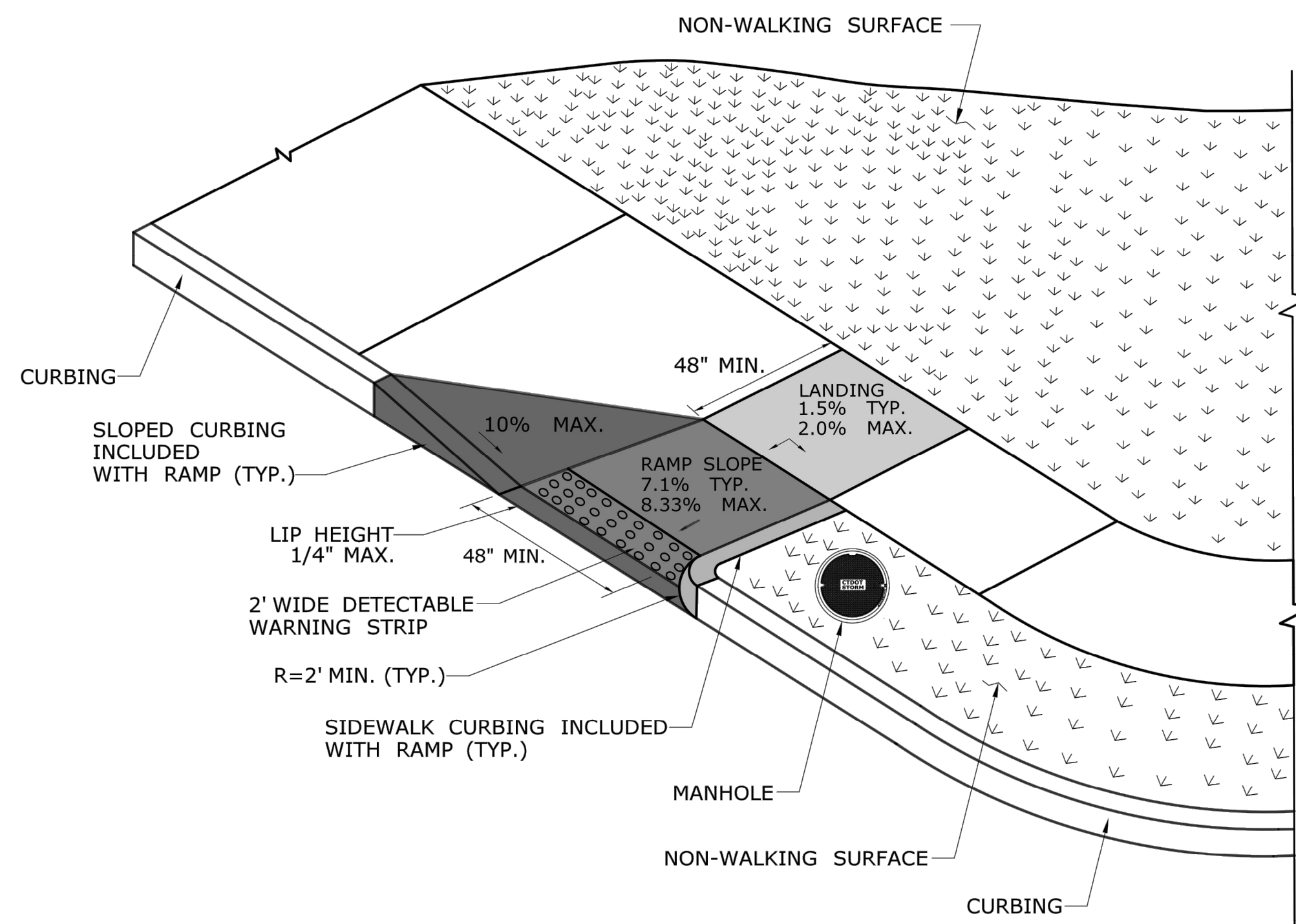


**SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)**

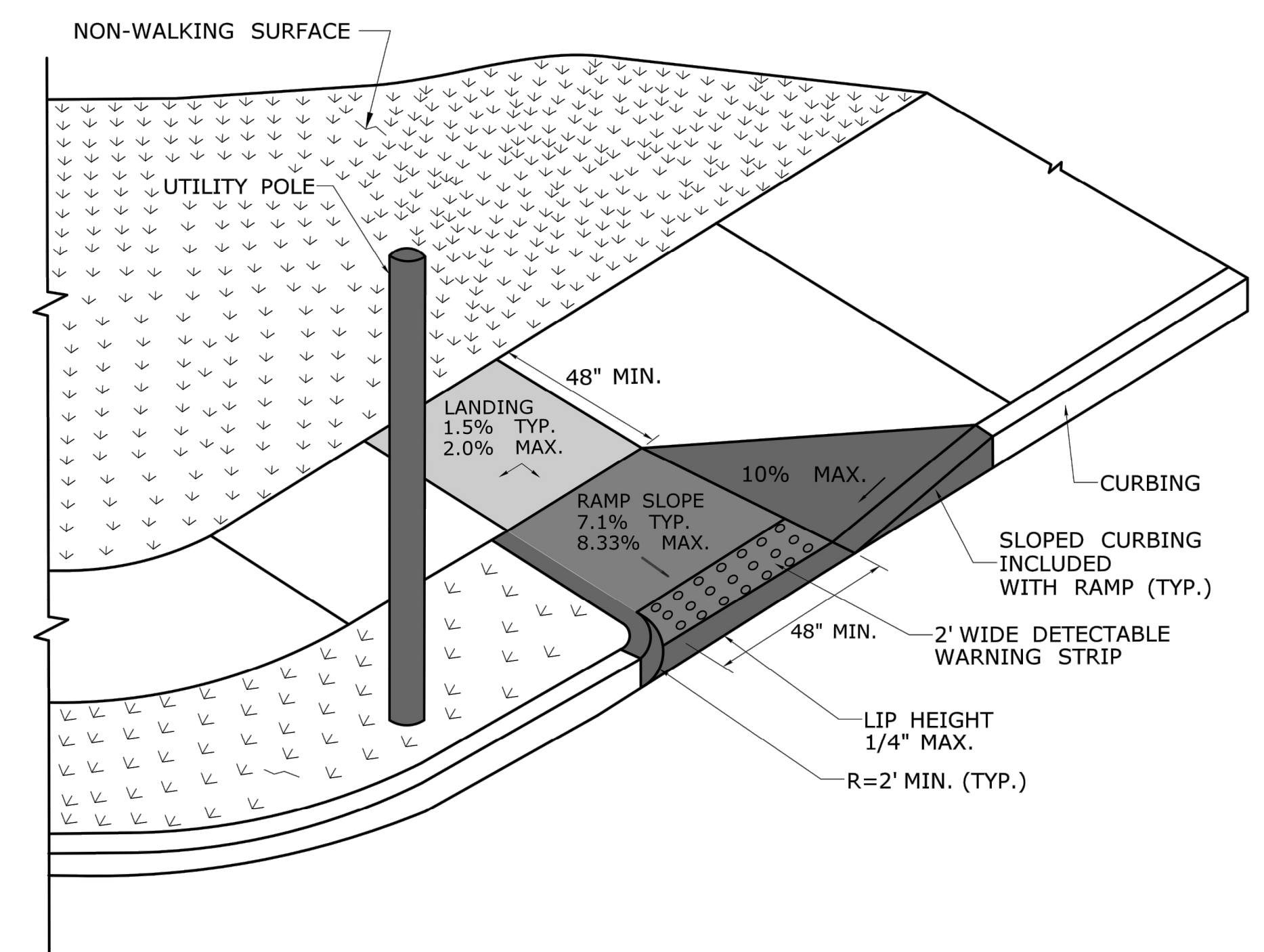
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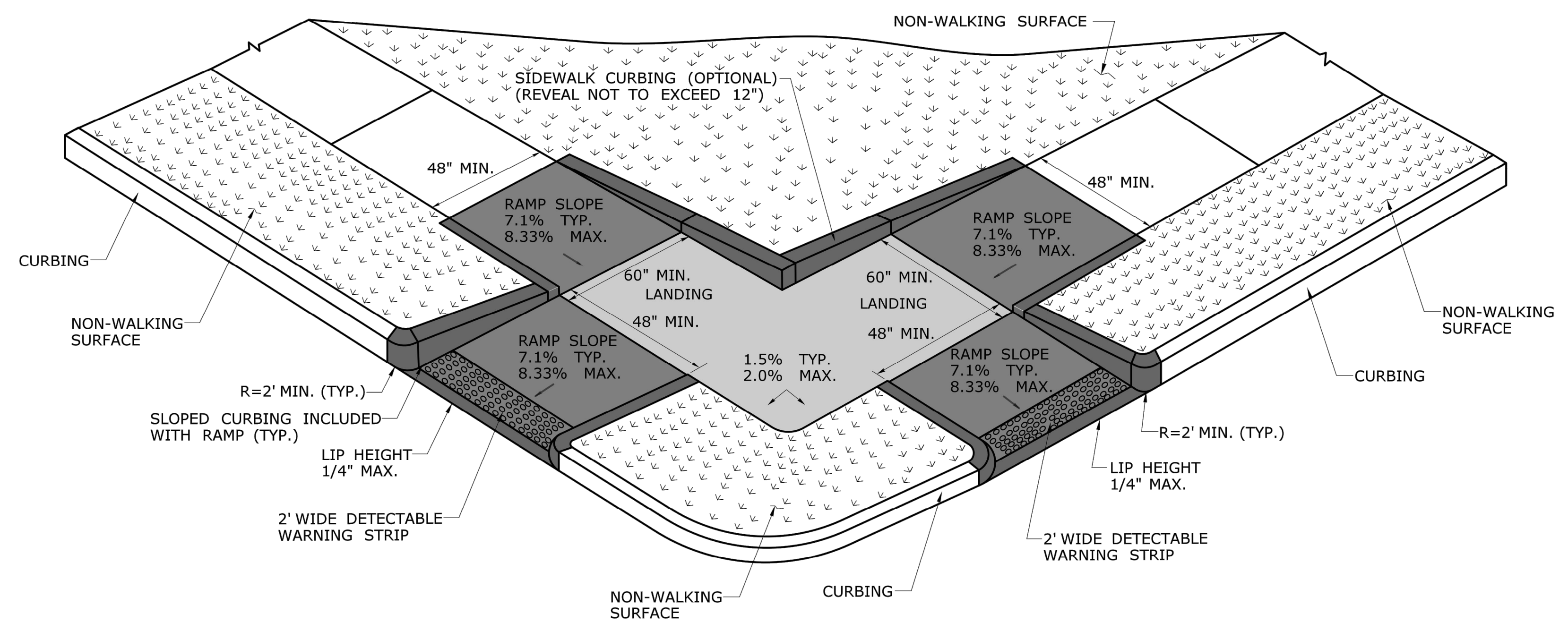
PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE: AS SHOWN	<p>BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227</p>	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258
REVISION DESCRIPTION	ENGINEER: MS	DATE: JULY 14, 2020		DRAWING TITLE: MISCELLANEOUS DETAILS	DRAWING NO. MDS-08
File name: 8372700-DET.DWG	APPROVED BY: ROBERT NEWTON, PE	No. 20662			SHEET NO.



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



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



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 19)

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

DESIGNER/DRAFTER: -	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
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REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 1/30/2019			SHEET NO.	SHEET NO.

PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE: AS SHOWN	BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258
REV. DATE REVISION DESCRIPTION SHEET NO.	ENGINEER: MS APPROVED BY: ROBERT NEWTON, PE	DATE: JULY 14, 2020 No. 20662	DRAWING TITLE: MISCELLANEOUS DETAILS	DRAWING NO. MDS-09	DRAWING NO. MDS-09
FILENAME: 8372700-DET.DWG					SHEET NO.

R1 - SERIES					R2 - SERIES					R3 - SERIES										R4 - SERIES					R5 - SERIES																																																																																																																																
<p>LEGEND - WHITE BACKGROUND - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>1.85</td><td>18</td><td>31-0532</td><td>1</td><td>.080</td></tr> <tr><td>5.19</td><td>30</td><td>31-0552</td><td>1</td><td>.080</td></tr> <tr><td>7.98</td><td>36</td><td>31-0553</td><td>1</td><td>.080</td></tr> <tr><td>13.3</td><td>48</td><td>31-0557</td><td>2</td><td>.100</td></tr> </tbody> </table>					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	<p>LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>5.00</td><td>24X30</td><td>31-5505</td><td>1</td><td>.080</td></tr> <tr><td>12.00</td><td>36X48</td><td>31-5506</td><td>2</td><td>.100</td></tr> <tr><td>20.00</td><td>48X60</td><td>31-5507</td><td>2</td><td>.100</td></tr> </tbody> </table>					AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	5.00	24X30	31-5505	1	.080	12.00	36X48	31-5506	2	.100	20.00	48X60	31-5507	2	.100	<p>LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>4.00</td><td>24X24</td><td>31-1604</td><td>1</td><td>.080</td></tr> <tr><td>9.00</td><td>36X36</td><td>31-1627</td><td>2</td><td>.080</td></tr> </tbody> </table>		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	<p>31-0183 31-0184</p>		<p>31-0183 31-0184</p>		<p>31-0183 31-0184</p>		<p>31-0282 31-0283</p>		<p>31-0282 31-0283</p>		<p>31-0282 31-0283</p>		<p>31-0282 31-0283</p>		<p>LEGEND - WHITE BACKGROUND - WHITE CIRCLE - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>5.00</td><td>24X30</td><td>31-1502</td><td>1</td><td>.080</td></tr> <tr><td>20.00</td><td>48X60</td><td>31-1574</td><td>2</td><td>.100</td></tr> </tbody> </table>		AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	5.00	24X30	31-1502	1	.080	20.00	48X60	31-1574	2	.100	<p>LEGEND - WHITE BACKGROUND - WHITE CIRCLE - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>6.25</td><td>30X30</td><td>31-1119</td><td>1</td><td>.080</td></tr> <tr><td>9.00</td><td>36X36</td><td>31-1120</td><td>2</td><td>.080</td></tr> <tr><td>16.00</td><td>48X48</td><td>31-1121</td><td>2</td><td>.100</td></tr> </tbody> </table>		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	<p>LEGEND - WHITE BACKGROUND - WHITE CIRCLE - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>6.00</td><td>36X24</td><td>31-1122</td><td>2</td><td>.080</td></tr> <tr><td>8.75</td><td>42X30</td><td>31-1123</td><td>2</td><td>.100</td></tr> </tbody> </table>		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	<p>LEGEND - WHITE BACKGROUND - WHITE CIRCLE - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr><td>9.00</td><td>36X36</td><td>31-1775</td><td>2</td><td>.100</td></tr> </tbody> </table>		AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	9.00	36X36	31-1775	2	.100
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NOTES:

- THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R - SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
- 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 ERRECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
- POSTS - SEE STANDARD SHEET TR-1208.02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
- POSTS SHALL BE 4 LBS./FT.
- SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
- 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.

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.	DESIGNER/DRAFTER: A. MERMELSTEIN CHECKED BY: B. SCHILLING	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: _____ DATE: _____	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
3 12-2018 REVISED RETROREFLECTIVE STRIPS TR-GS_01 2 10-2018 REVISED R5-11 SIGNS PER MUTCD TR-GS_01 1 6-2018 NEW SHEET ISSUED TR-GS_01	NOT TO SCALE	Filename: ...LCTDOT.TRAFFIC.GS.dgn	DRAWING TITLE: SIGN FACE SHEET ALUMINUM	DRAWING NO. TR-GS_01	SHEET NO.	SHEET NO.
PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE: AS SHOWN	BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258	DRAWING NO. MDS-10
REV. DATE REVISION DESCRIPTION SHEET NO.	ENGINEER: MS DATE: JULY 14, 2020	APPROVED BY: ROBERT NEWTON, PE No. 20662	DRAWING TITLE: MISCELLANEOUS DETAILS	SHEET NO.	SHEET NO.	SHEET NO.

Filename: 8372700-DET.DWG

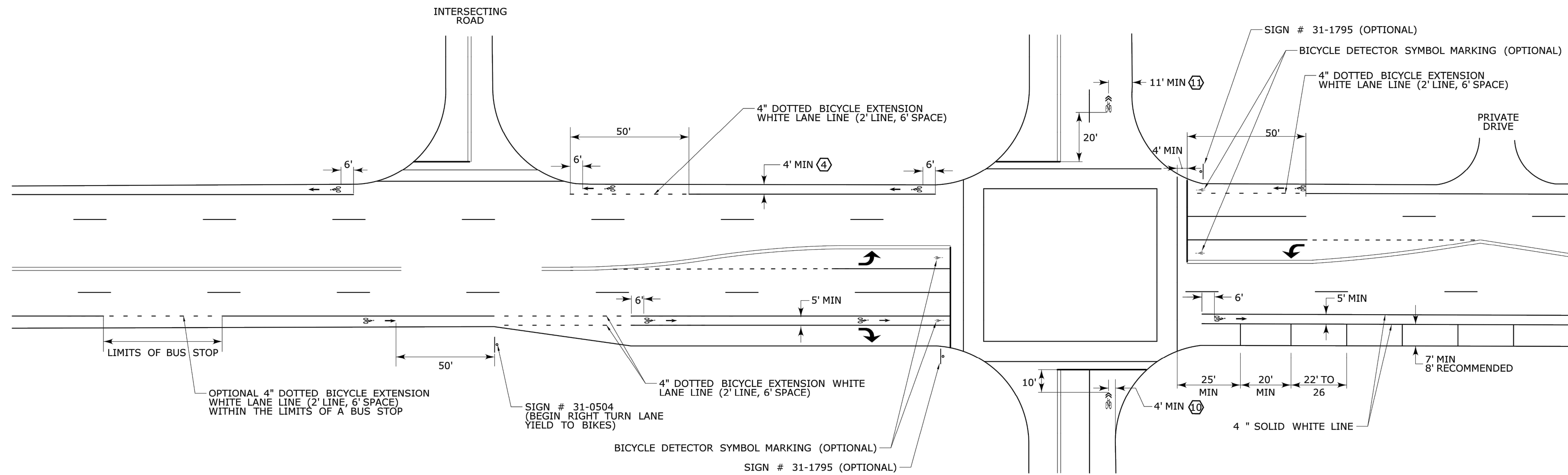
S - SERIES	W1 - SERIES			W2 - SERIES	W3 - SERIES	W4 - SERIES			W5 - SERIES	W6 - SERIES		W7 - SERIES	W8 - SERIES																																																																																																																																																																																																												
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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																																																																																																																																																																																																																					
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6.25	30	41-0504	1	.080																																																																																																																																																																																																																					
16.00	48	41-0506	2	.100																																																																																																																																																																																																																					
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9.00	36	41-4442	1	.080																																																																																																																																																																																																																					
16.00	48	41-4446	2	.100																																																																																																																																																																																																																					
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9.00	36	41-4441	1	.080																																																																																																																																																																																																																					
16.00	48	41-4447	2	.100																																																																																																																																																																																																																					
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9.00	36	41-4329	1	.080																																																																																																																																																																																																																					
16.00	48	41-4331	2	.100																																																																																																																																																																																																																					
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THK.	9.00	36	41-4440	1	.080	16.00	48	41-4445	2	.100	<p>W11-2</p> <p>LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>6.25</td> <td>30</td> <td>41-4829</td> <td>1</td> <td>.080</td> </tr> <tr> <td>9.00</td> <td>36</td> <td>41-4830</td> <td>1</td> <td>.080</td> </tr> </tbody> </table>	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	<p>W12-1</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>6.25</td> <td>30</td> <td>41-4213</td> <td>1</td> <td>.080</td> </tr> <tr> <td>9.00</td> <td>36</td> <td>41-4215</td> <td>1</td> <td>.080</td> </tr> </tbody> </table>	AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. 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D.O.T. #	POSTS	ALUM. THK.	2.25	18X18	41-5566		.080	4.00	24X24	41-5567		.080	6.25	30X30	41-5574		.080	<p>W16-2aP</p> <p>(SUBPLATE) USE AT ADVANCE SIGN LOCATION</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>2.00</td> <td>24X12</td> <td>41-6140</td> <td></td> <td>.080</td> </tr> </tbody> </table>	AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	2.00	24X12	41-6140		.080	<p>W16-7PL</p> <p>(SUBPLATE) USE AT CROSSWALK</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>2.00</td> <td>24X12</td> <td>41-2617</td> <td></td> <td>.080</td> </tr> </tbody> </table>	AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. 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THK.	2.00	24X12	41-6126		.080	3.75	30X18	41-6137		.080	<p>LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW GREEN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>2.00</td> <td>4X72</td> <td>41-5010</td> <td>1</td> <td>.080</td> </tr> </tbody> </table>	AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	2.00	4X72	41-5010	1	.080	<p>LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT.)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> <th>ALUM. THK.</th> </tr> </thead> <tbody> <tr> <td>1.50</td> <td>4X48</td> <td>41-5001</td> <td>1</td> <td>.080</td> </tr> <tr> <td>2.00</td> <td>4X72</td> <td>41-5006</td> <td>1</td> <td>.080</td> </tr> </tbody> </table>	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
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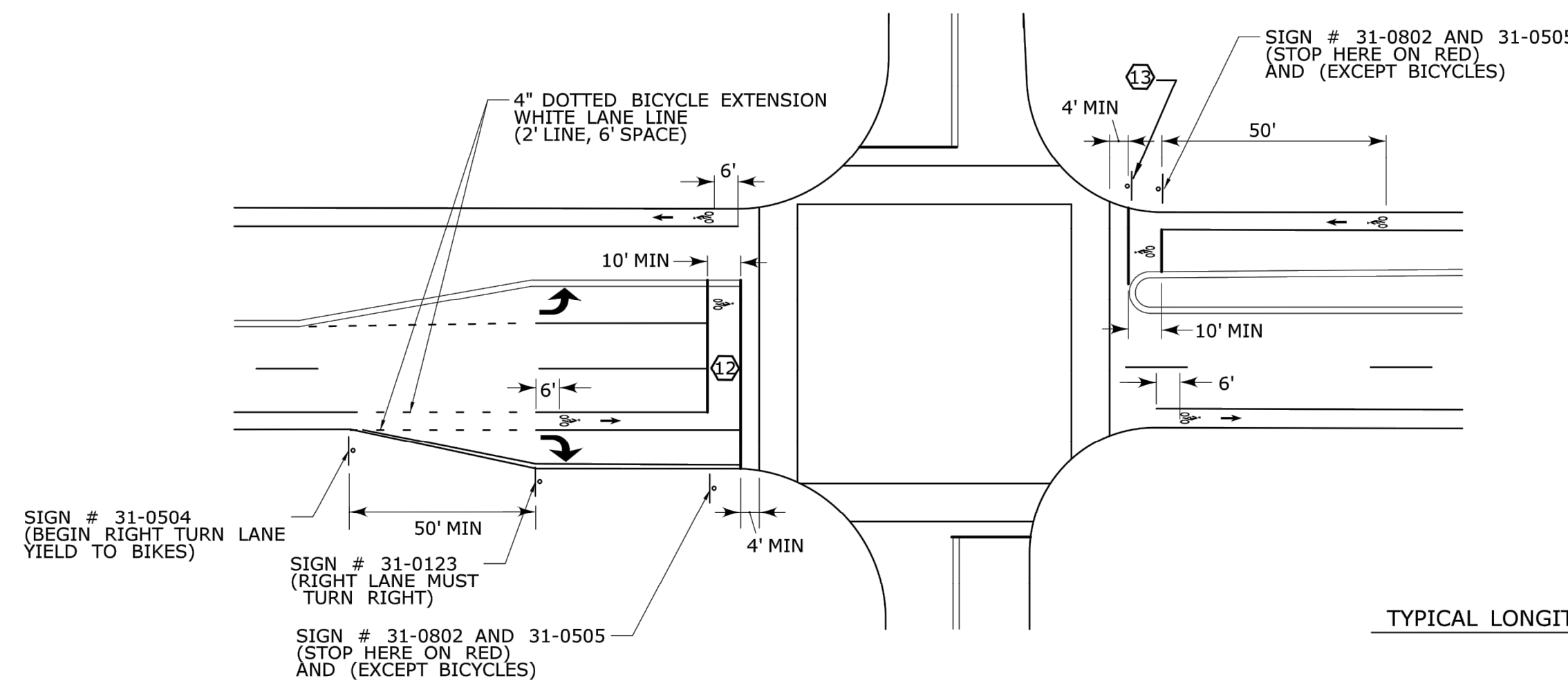
DESIGNER/DRAFTER: A. MERMELSTEIN CHECKED BY: B. SCHILLING	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: _____ DATE: _____	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED 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.	NOT TO SCALE Filename: ...CTDOT_TRAFFIC_GS.dgn	DRAWING TITLE: SIGN FACE SHEET ALUMINUM S&W SERIES TYPICAL SIGN DETAILS	DRAWING NO. TR-GS_02	SHEET NO.	SHEET NO.

1 6-2018 NEW SHEET ISSUED REV. DATE REVISION DESCRIPTION SHEET NO.	TR-GS_02 Plotted Date: 12/18/2018	PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE: AS SHOWN 	BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227 © 2020 BSC GROUP, INC. ENGINEER: MS DATE: JULY 14, 2020 APPROVED BY: ROBERT NEWTON, PE No. 20662	PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS	TOWN: NEW LONDON	PROJECT NO. 0094-0258 DRAWING NO. MDS-11 SHEET NO.
REV. DATE REVISION DESCRIPTION SHEET NO.	SHEET NO.	DRAWING TITLE: MISCELLANEOUS DETAILS	SHEET NO.	PROJECT NO.	DRAWING NO.	SHEET NO.	SHEET NO.

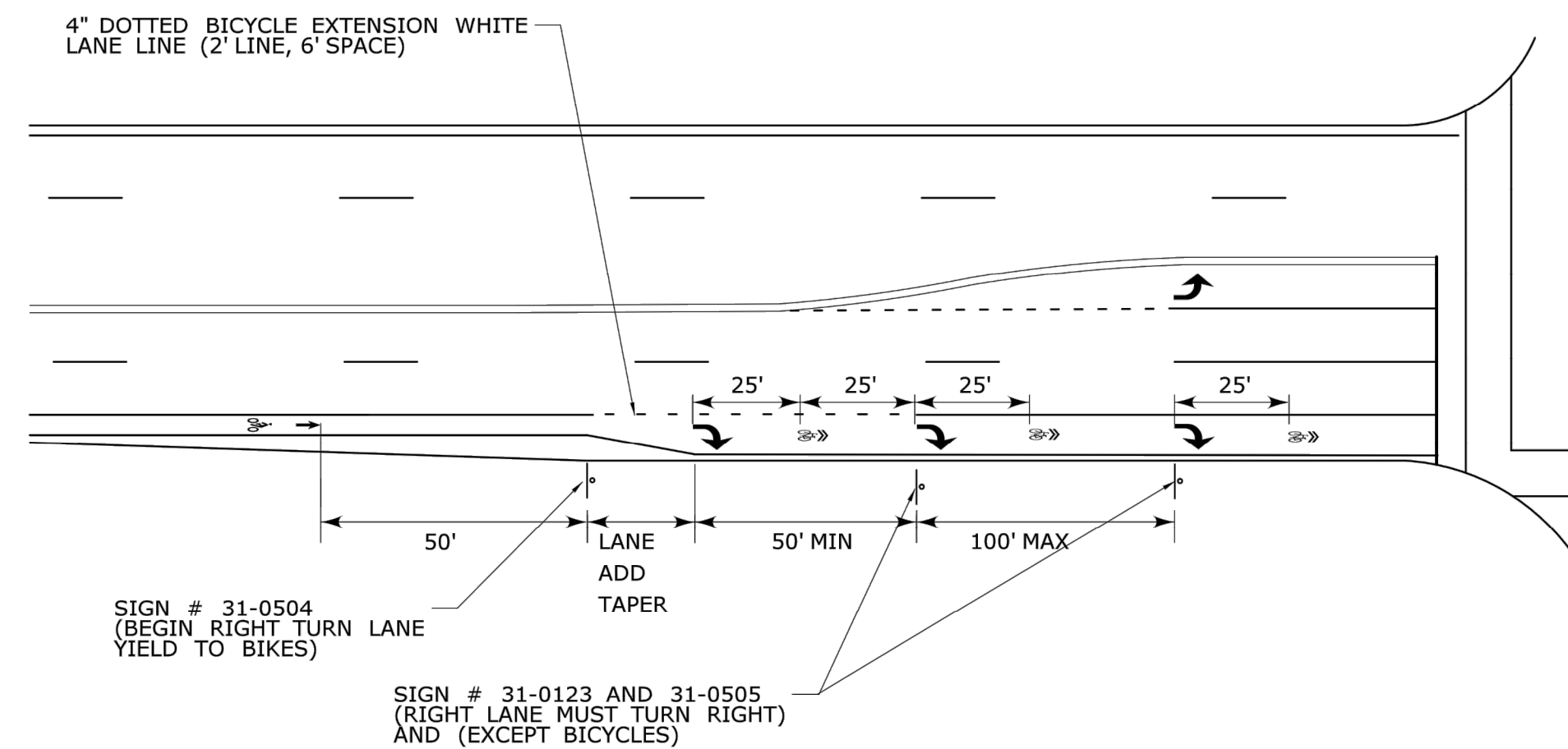
TYPICAL BICYCLE LANE AND SHARROW MARKING DETAIL



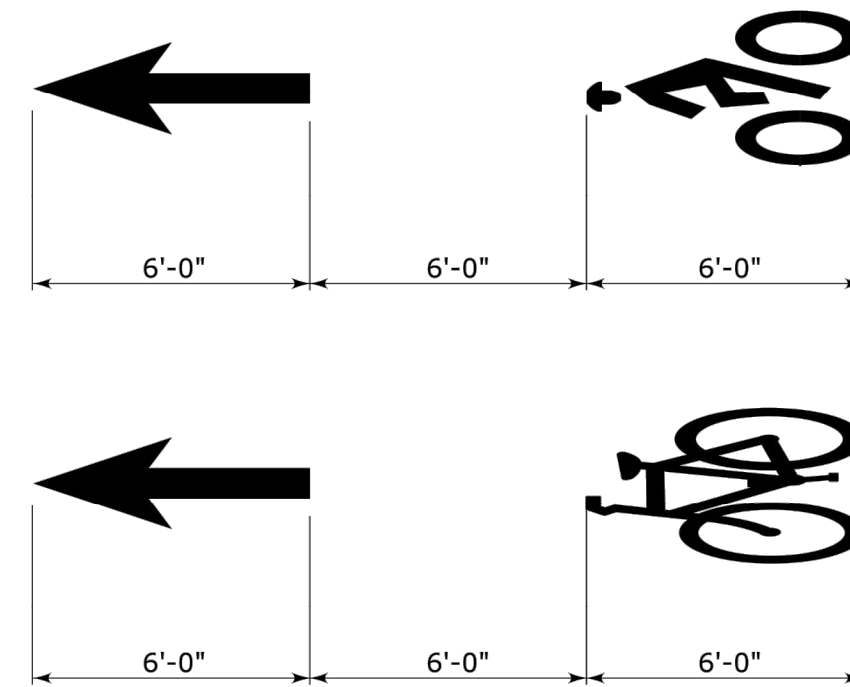
TYPICAL BICYCLE BOX DETAIL



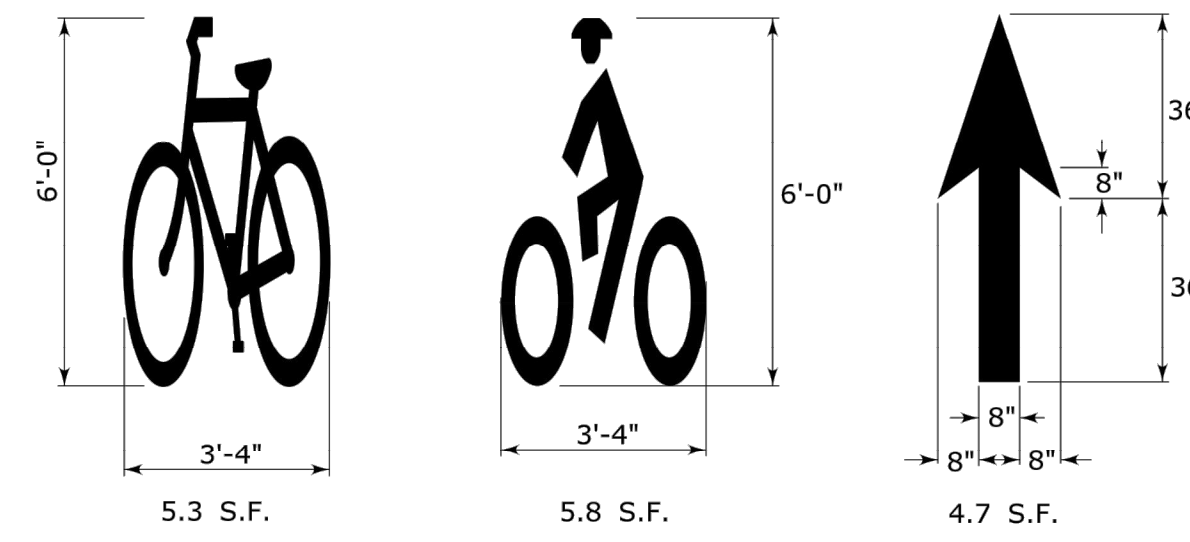
TYPICAL SHARED BICYCLE LANE AND TURN LANE DETAIL



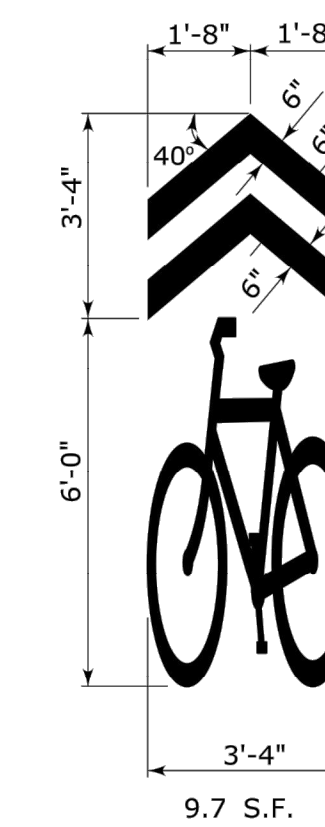
TYPICAL LONGITUDINAL SPACING



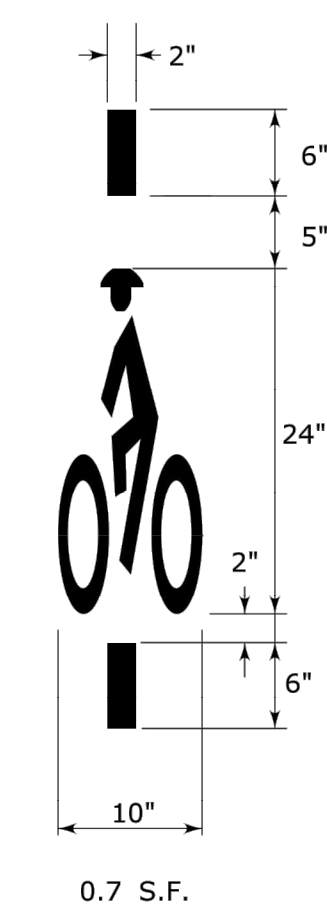
BICYCLE LANE SYMBOL MARKINGS



SHARED LANE SYMBOL MARKING



BICYCLE DETECTOR SYMBOL MARKING

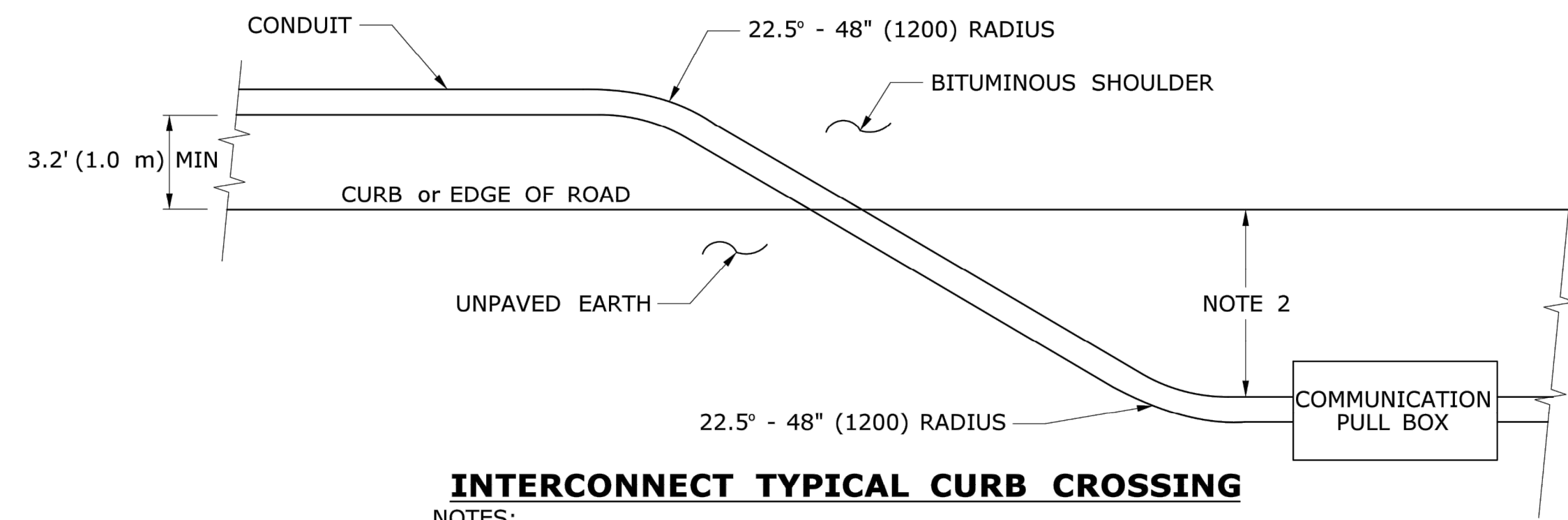


NOTES:

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. 1A-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. 1A-14, OPTIONAL USE OF GREEN COLORED PAVEMENT FOR BIKE LANES AND FHWA INTERPRETATION LETTER 9(09)86(1), 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.

<p>DESIGNER/DRAFTER: -</p> <p>CHECKED BY: -</p> <p>NOT TO SCALE</p>				<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>		<p>SIGNATURE/BLOCK: -</p> <p>APPROVED BY: -</p>		<p>PROJECT TITLE: -</p>		<p>TOWN: -</p>		<p>PROJECT NO. -</p>	
<p>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.</p>				<p>Filename: ...Bike Lane\BF-GS_01.dgn</p>		<p>OFFICE OF ENGINEERING</p>		<p>DRAWING TITLE: BICYCLE FACILITIES TYPICAL DETAILS</p>		<p>DRAWING NO. BF-GS_01</p>		<p>SHEET NO. -</p>	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/10/2017									

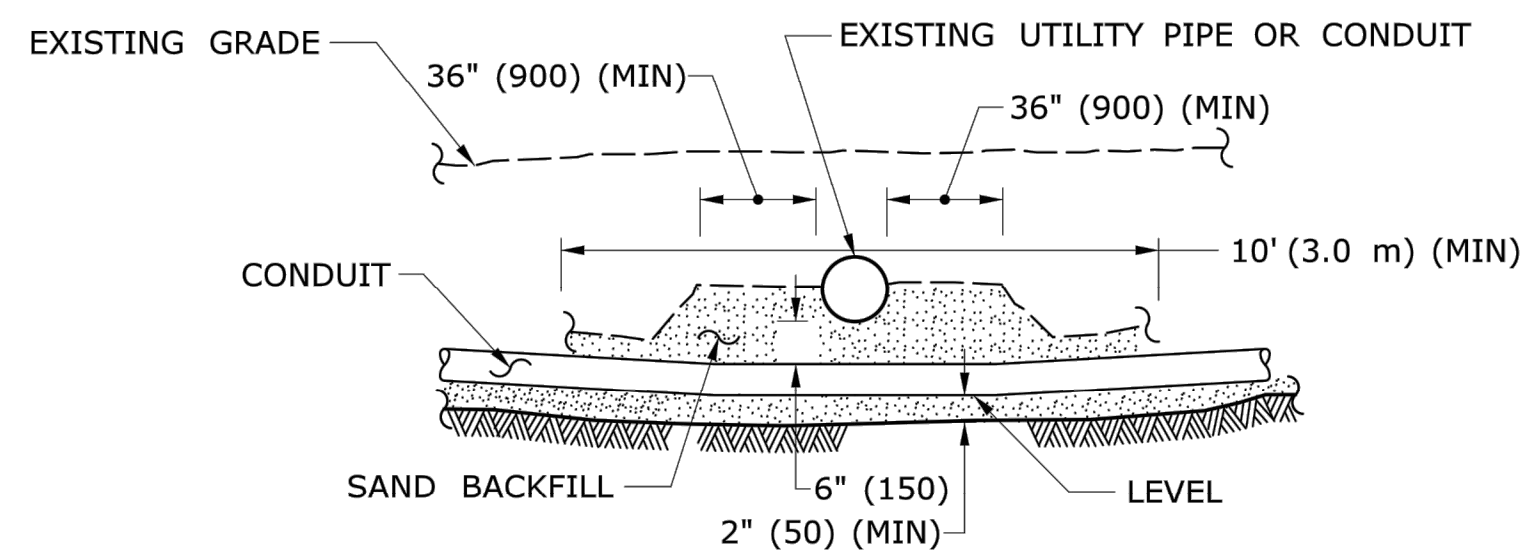
<p>PREPARED FOR: CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320</p>				<p>SCALE: AS SHOWN</p>		<p>BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227</p>		<p>PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS</p>		<p>TOWN: NEW LONDON</p>		<p>PROJECT NO. 0094-0258</p>	
<p>ENGINEER: MS APPROVED BY: ROBERT NEWTON, PE</p>				<p>DATE: JULY 14, 2020 No. 20662</p>				<p>DRAWING TITLE: MISCELLANEOUS DETAILS</p>		<p>DRAWING NO. MDS-12</p>		<p>SHEET NO.</p>	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Filename: 8372700-DET.DWG									



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

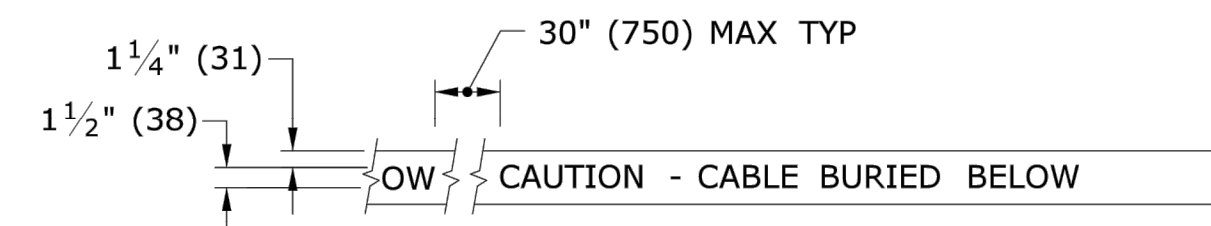
- RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
- INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



CROSSING UNDER EXISTING UTILITY

NOTES:

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



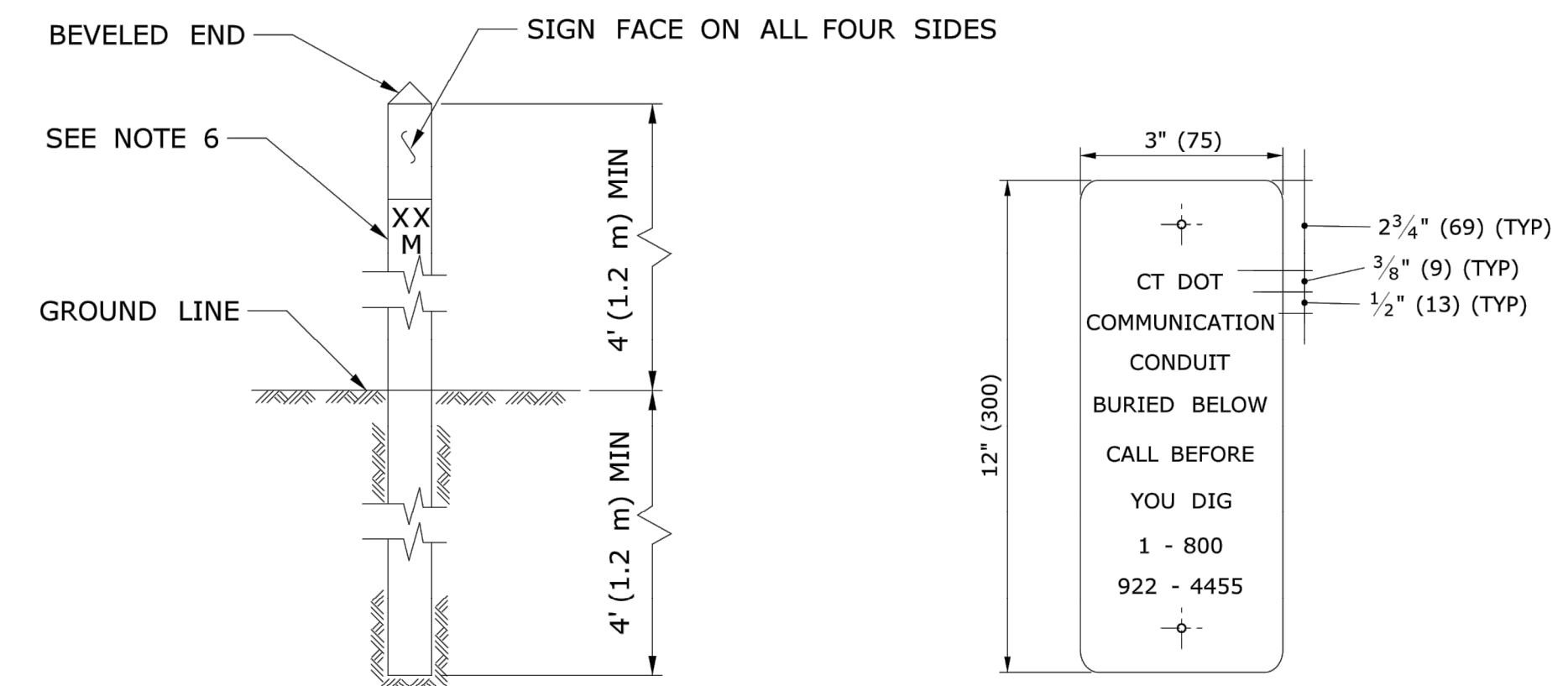
DETECTABLE WARNING TAPE

NOTE:

STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

1. TAPE COLORS:

- COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
- POWER - RED BACKGROUND / BLACK LEGEND

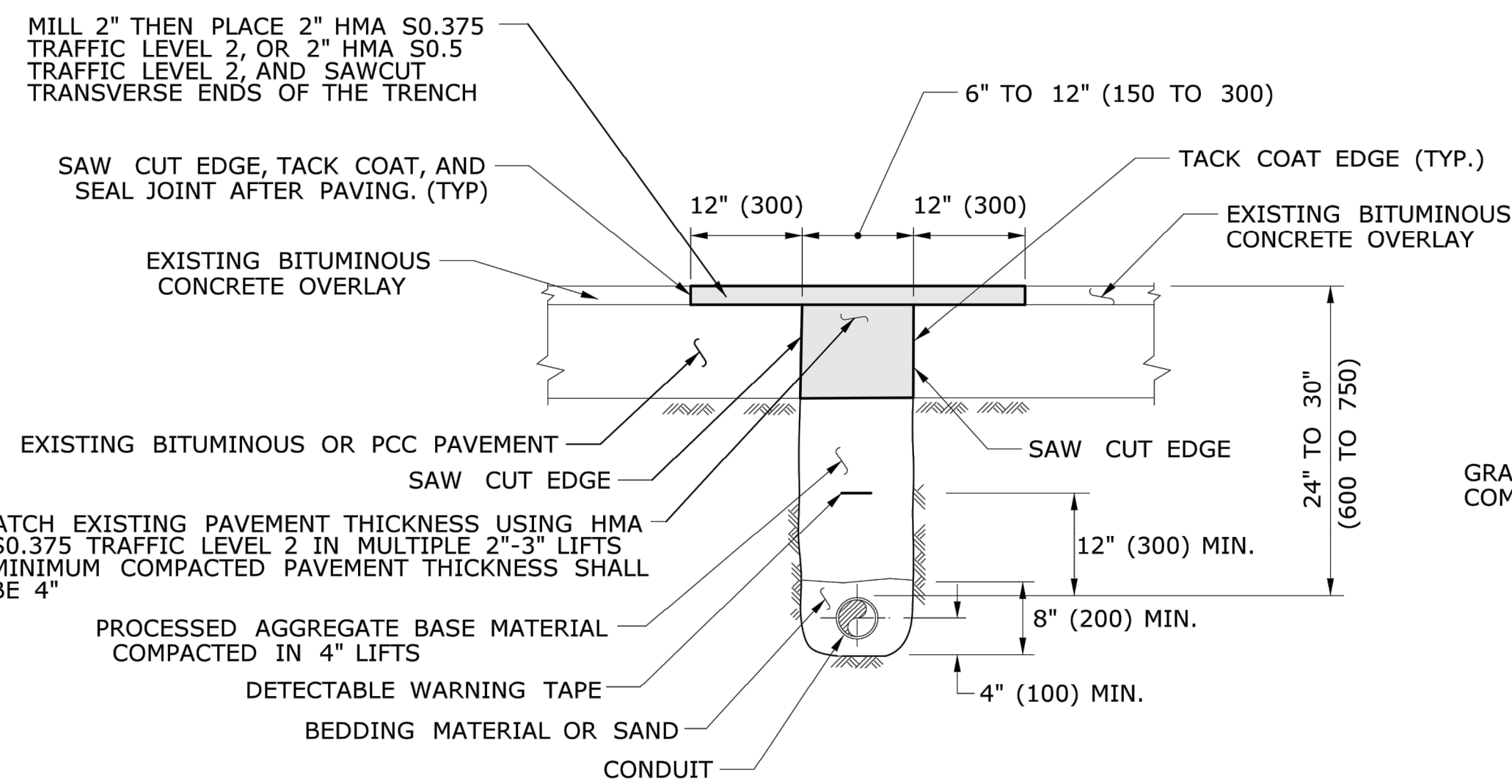


INTERCONNECT CONDUIT IDENTIFICATION POST

NOTES:

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

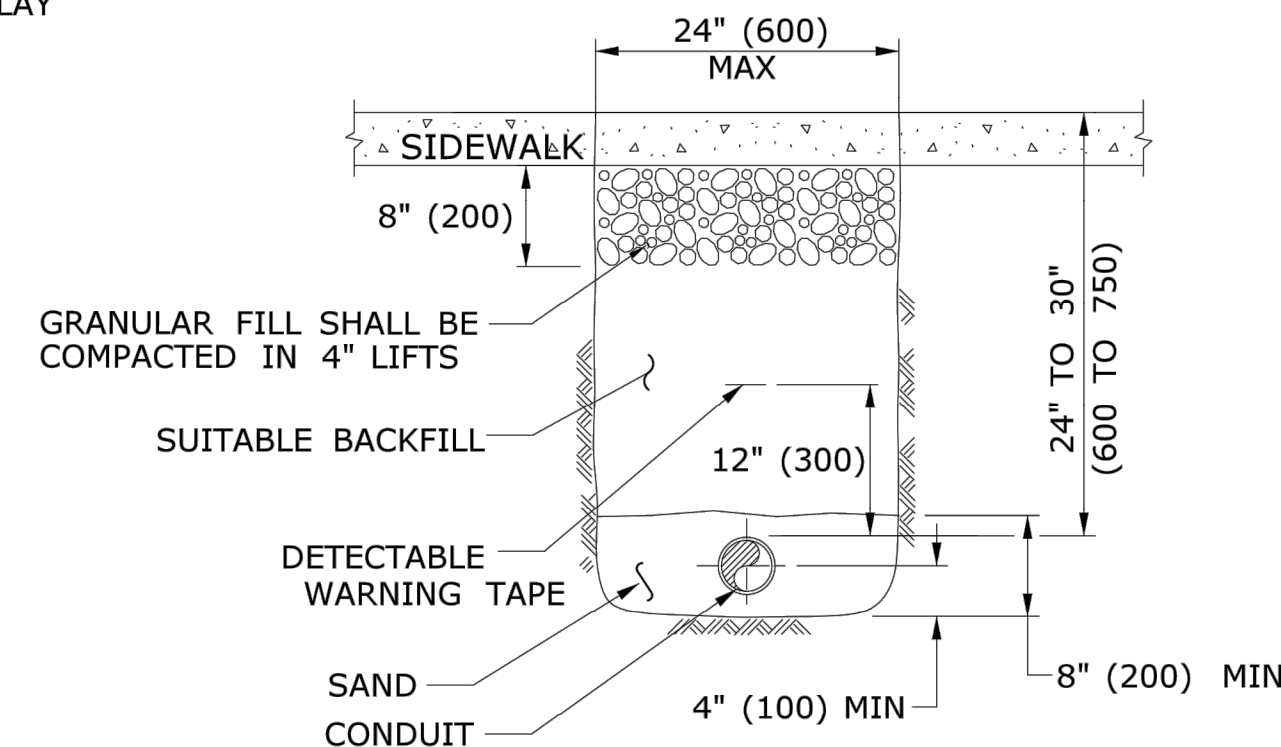
SIGN FACE DETAIL
SIGN # 41-4669



PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

NOTES:

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

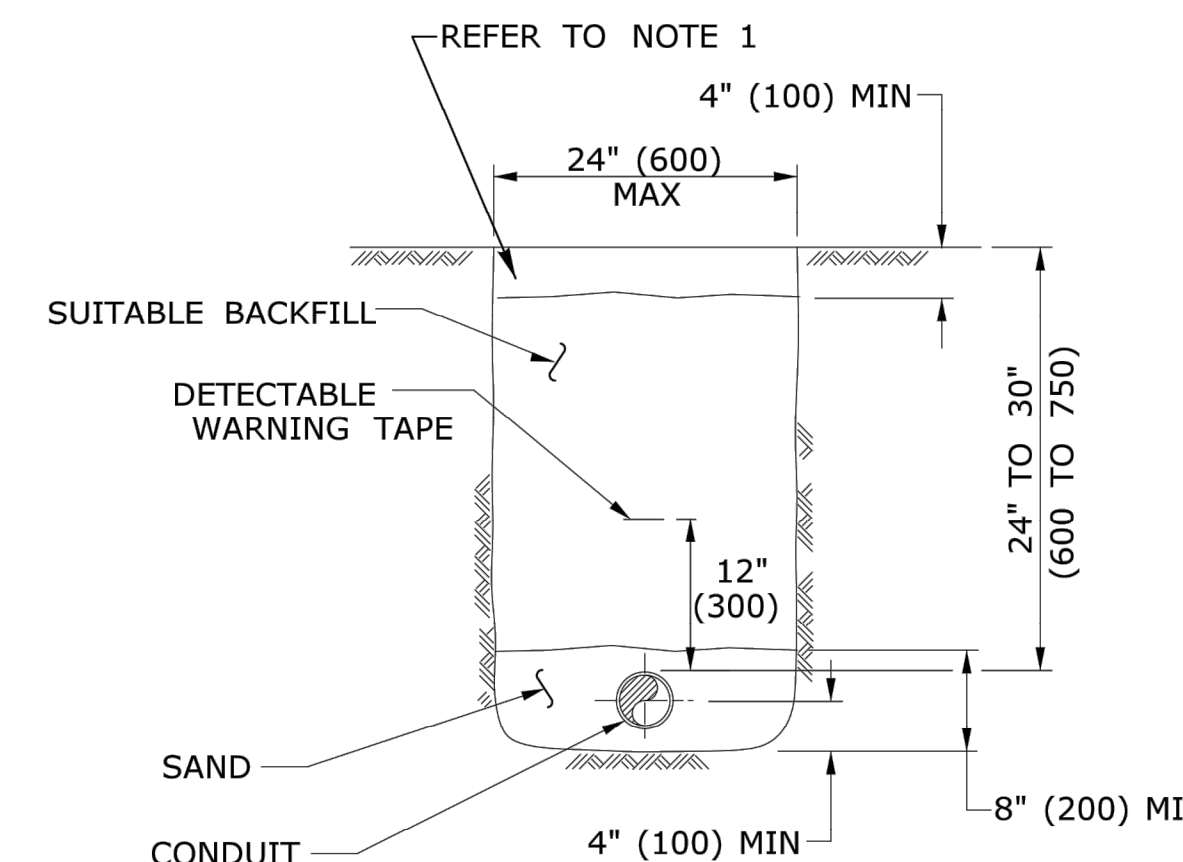


SIDEWALK

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.21 & 9.22

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



EARTH

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.50

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

GENERAL NOTES:

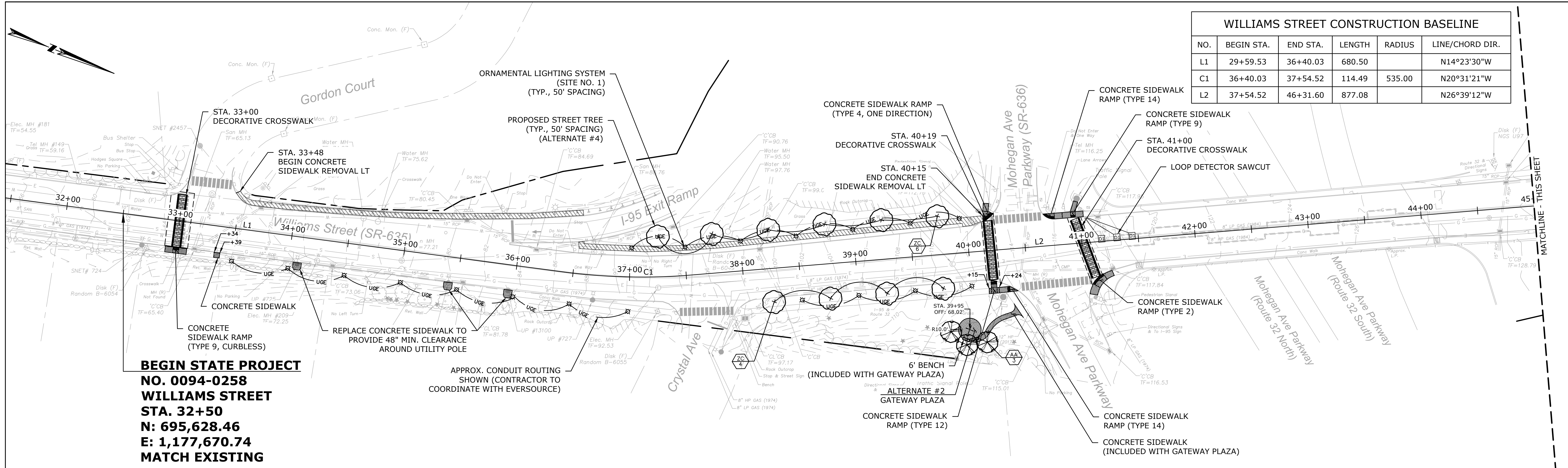
- TOP OF CONDUIT NO LESS THAN 24" (600) DEEP.
- COMPACT BACKFILL IN ≤6" (150) LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
--- RMC (RIGID METAL CONDUIT)

DESIGNER/DRAWER:	CHECKED BY:	NO SCALE	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK:	OFFICE OF ENGINEERING	APPROVED BY:	DATE:	PROJECT TITLE:	TOWN:	PROJECT NO.
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REV. DATE	REVISION DESCRIPTION	Plotted Date: 7/1/2019								
2	4-2019	REVISED FILL & OVERLAY REQUIREMENTS, & MINOR REVISIONS								
1	4-2012	REVISED BITUMINOUS CONCRETE TO HMA, & MINOR REVISIONS.								
TRENCHING & BACKFILLING, ELECTRICAL CONDUIT										

PREPARED FOR:	CITY OF NEW LONDON 13 MASONIC STREET NEW LONDON, CT 06320	SCALE:	AS SHOWN	BSC GROUP 655 Winding Brook Drive Glastonbury, Connecticut 06033 860 652 8227	PROJECT TITLE:	WILLIAMS STREET IMPROVEMENTS	TOWN:	NEW LONDON	PROJECT NO.	0094-0258
REV. DATE	REVISION DESCRIPTION	SHEET NO.	ENGINEER: MS	DATE: JULY 14, 2020	DRAWING TITLE:	MISCELLANEOUS DETAILS	DRAWING NO.	MDS-13	SHEET NO.	
Approved By: ROBERT NEWTON, PE No. 20662			PROJECT TITLE: WILLIAMS STREET IMPROVEMENTS TOWN: NEW LONDON DRAWING TITLE: MISCELLANEOUS DETAILS PROJECT NO: 0094-0258 DRAWING NO: MDS-13 SHEET NO:							

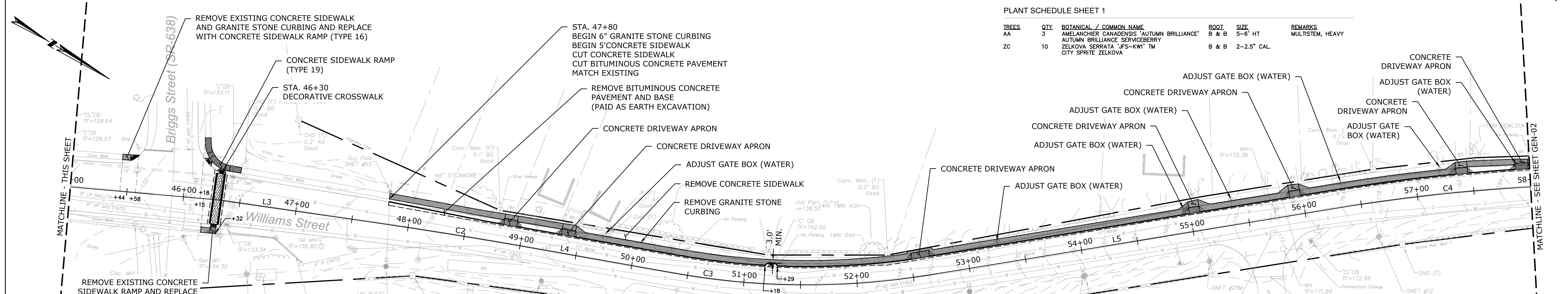
WILLIAMS STREET CONSTRUCTION BASELINE					
NO.	BEGIN STA.	END STA.	LENGTH	RADIUS	LINE/CHORD DIR.
L1	29+59.53	36+40.03	680.50		N14°23'30"W
C1	36+40.03	37+54.52	114.49	535.00	N20°31'21"W
L2	37+54.52	46+31.60	877.08		N26°39'12"W



**BEGIN STATE PROJECT
NO. 0094-0258
WILLIAMS STREET
STA. 32+50
N: 695,628.46
E: 1,177,670.74
MATCH EXISTING**

PLANT SCHEDULE SHEET 1

TREES	QTY	BOTANICAL / COMMON NAME	ROOT	SIZE	HT	REMARKS
AA	3	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	B & B	5-6"	HT	MULTISTEM, HEAVY
ZC	10	AUTUMN BRILLIANCE SERVICEBERRY ZELKOVA SERRATA 'JFS-KWI' TM CITY SPRITE ZELKOVA	B & B	2-2.5"	CAL	

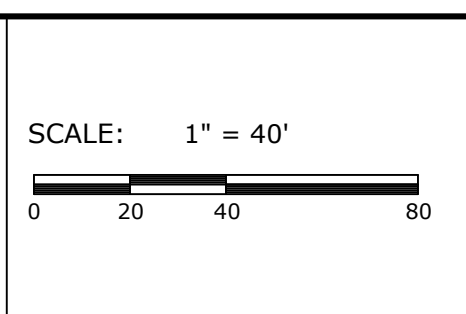


WILLIAMS STREET CONSTRUCTION BASELINE					
NO.	BEGIN STA.	END STA.	LENGTH	RADIUS	LINE/CHORD DIR.
L2	37+54.52	46+31.60	877.08		N26°39'12"W
L3	46+31.60	47+71.59	139.99		N23°27'07"W
C2	47+71.59	49+09.67	138.08	4395.00	N22°33'07"W
L4	49+09.67	50+39.27	129.60		N21°39'07"W
C3	50+39.27	52+64.06	224.79	666.00	N31°19'16"W
L5	52+64.06	56+29.97	365.92		N40°59'25"W
C4	56+29.97	59+95.57	365.60	1580.00	N34°21'41"W

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GEN.DWG

PREPARED FOR:
CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320



BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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ENGINEER: MS
APPROVED BY: ROBERT NEWTON, PE

DATE: JULY 14, 2020
No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

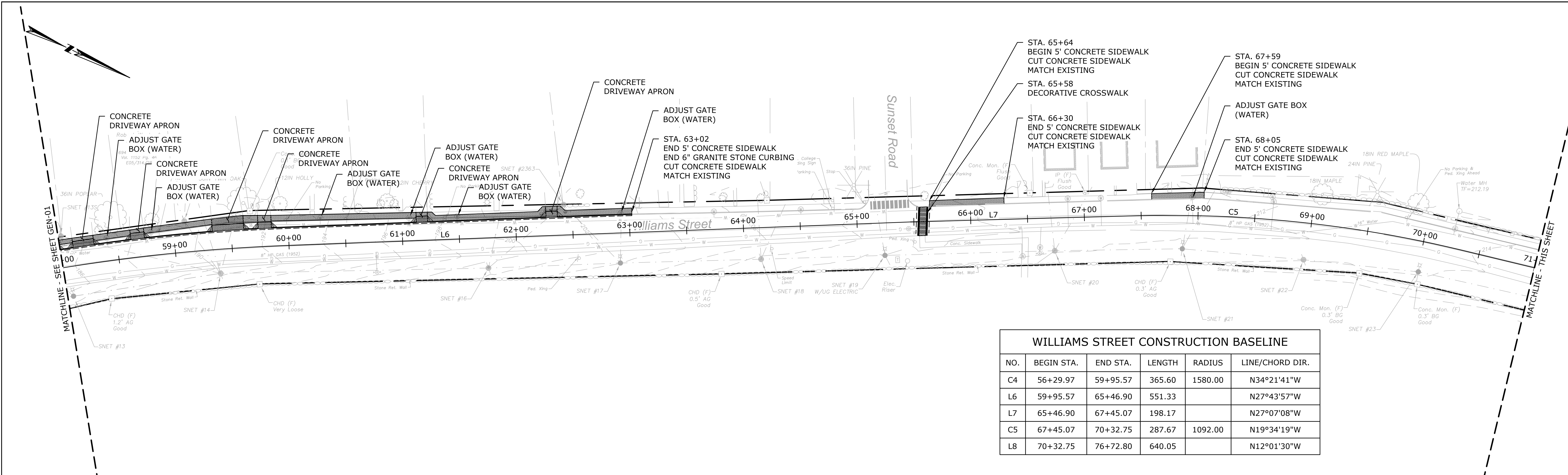
TOWN:
NEW LONDON

DRAWING TITLE:
GENERAL PLAN

PROJECT NO.
0094-0258

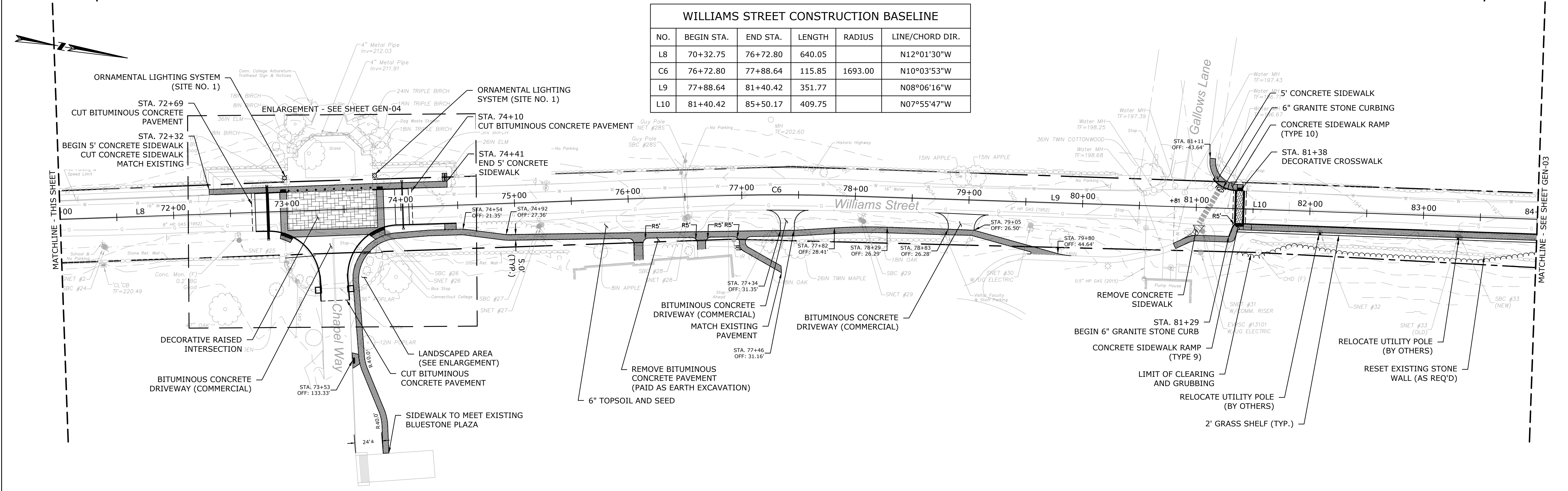
DRAWING NO.
GEN-01

SHEET NO.



WILLIAMS STREET CONSTRUCTION BASELINE					
NO.	BEGIN STA.	END STA.	LENGTH	RADIUS	LINE/CHORD DIR.
C4	56+29.97	59+95.57	365.60	1580.00	N34°21'41"W
L6	59+95.57	65+46.90	551.33		N27°43'57"W
L7	65+46.90	67+45.07	198.17		N27°07'08"W
C5	67+45.07	70+32.75	287.67	1092.00	N19°34'19"W
L8	70+32.75	76+72.80	640.05		N12°01'30"W

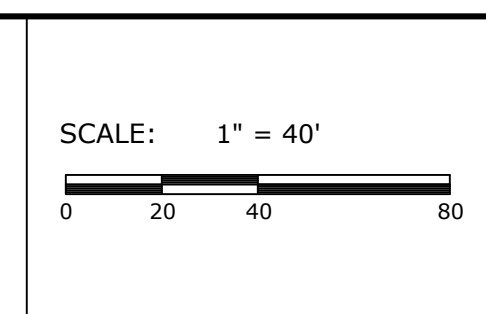
WILLIAMS STREET CONSTRUCTION BASELINE					
NO.	BEGIN STA.	END STA.	LENGTH	RADIUS	LINE/CHORD DIR.
L8	70+32.75	76+72.80	640.05		N12°01'30"W
C6	76+72.80	77+88.64	115.85	1693.00	N10°03'53"W
L9	77+88.64	81+40.42	351.77		N08°06'16"W
L10	81+40.42	85+50.17	409.75		N07°55'47"W



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GEN.DWG

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



BSC GROUP
 655 Winding Brook Drive
 Glastonbury, Connecticut 06033
 860 652 8227

ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

TOWN:
NEW LONDON

DRAWING TITLE:
GENERAL PLAN

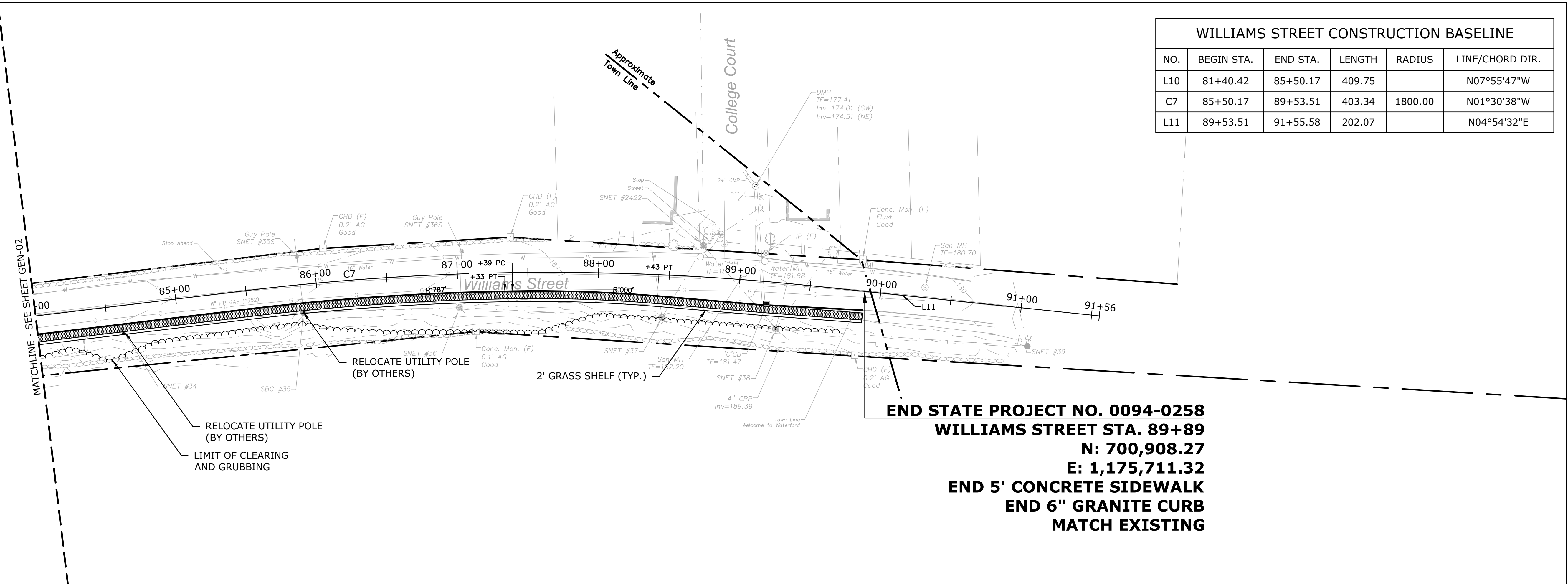
PROJECT NO.
0094-0258

DRAWING NO.
GEN-02

SHEET NO.



WILLIAMS STREET CONSTRUCTION BASELINE					
NO.	BEGIN STA.	END STA.	LENGTH	RADIUS	LINE/CHORD DIR.
L10	81+40.42	85+50.17	409.75		N07°55'47"W
C7	85+50.17	89+53.51	403.34	1800.00	N01°30'38"W
L11	89+53.51	91+55.58	202.07		N04°54'32"E

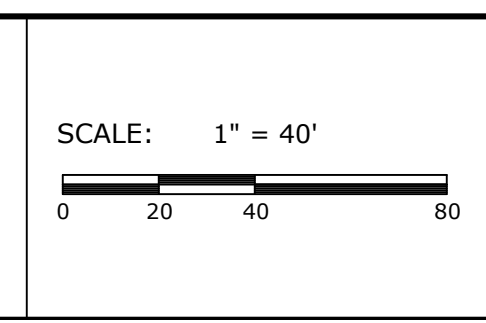


END STATE PROJECT NO. 0094-0258
WILLIAMS STREET STA. 89+89
N: 700,908.27
E: 1,175,711.32
END 5' CONCRETE SIDEWALK
END 6" GRANITE CURB
MATCH EXISTING

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GEN.DWG

PREPARED FOR:
 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



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ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

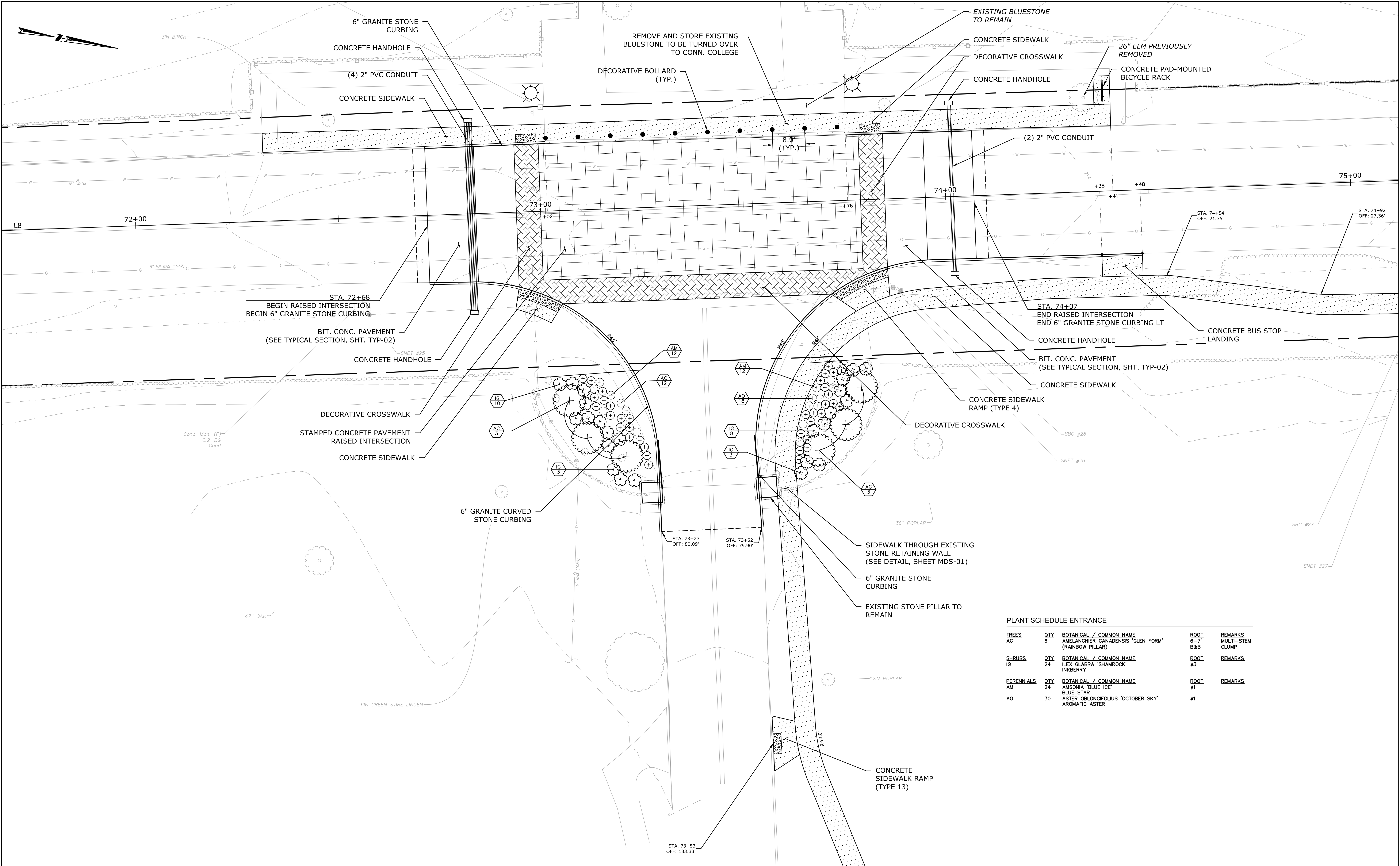
TOWN:
 NEW LONDON

DRAWING TITLE:
 GENERAL PLAN

PROJECT NO.
 0094-0258

DRAWING NO.
 GEN-03

SHEET NO.



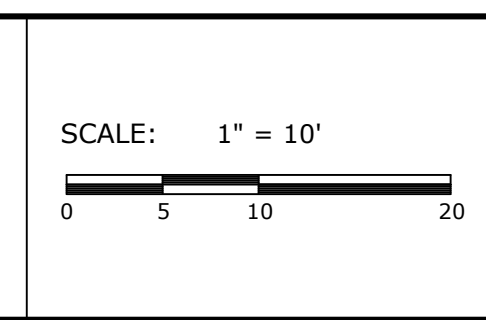
PLANT SCHEDULE ENTRANCE

TREES	QTY	BOTANICAL / COMMON NAME	ROOT	REMARKS
AC	6	AMELANCHIER CANADENSIS 'GLEN FORM' (RAINBOW PILLAR)	6-7' B&B	MULTI-STEM CLUMP
SHRUBS	QTY	BOTANICAL / COMMON NAME	ROOT	REMARKS
IG	24	ILEX GLABRA 'SHAMROCK' INKBERRY	#5	
PERENNIALS	QTY	BOTANICAL / COMMON NAME	ROOT	REMARKS
AM	24	AMSONIA 'BLUE ICE' BLUE STAR	#1	
AO	30	ASTER OBLONGIFOLIUS 'OCTOBER SKY' AROMATIC ASTER	#1	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GEN.DWG

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



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DATE: JULY 14, 2020
 No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

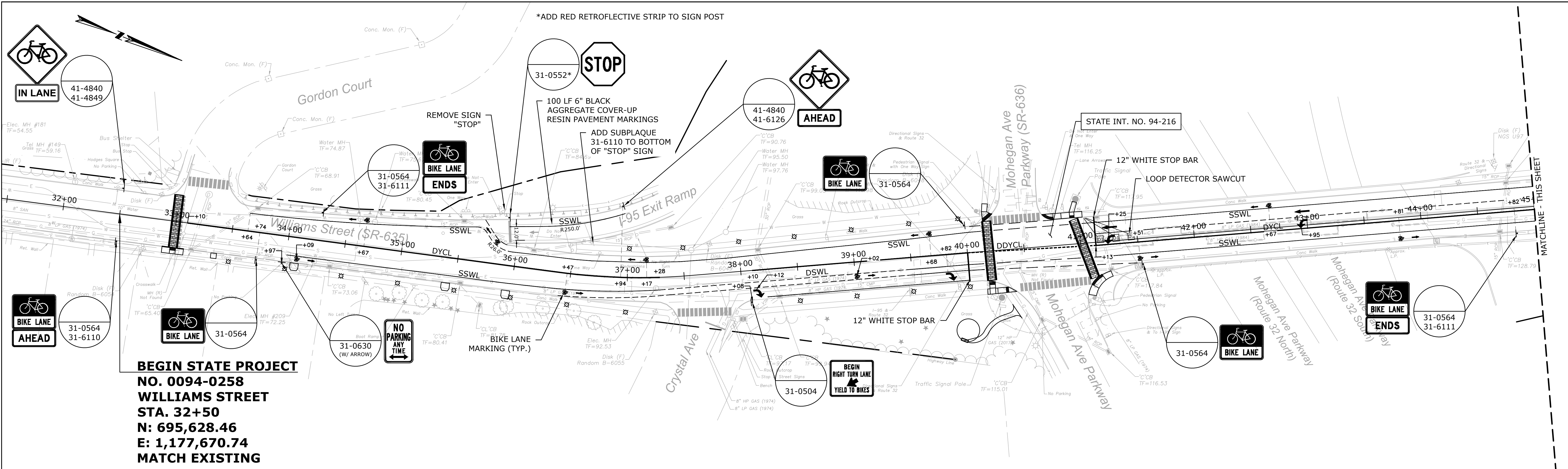
TOWN:
NEW LONDON

DRAWING TITLE:
GENERAL PLAN - RAISED INTERSECTION ENLARGEMENT

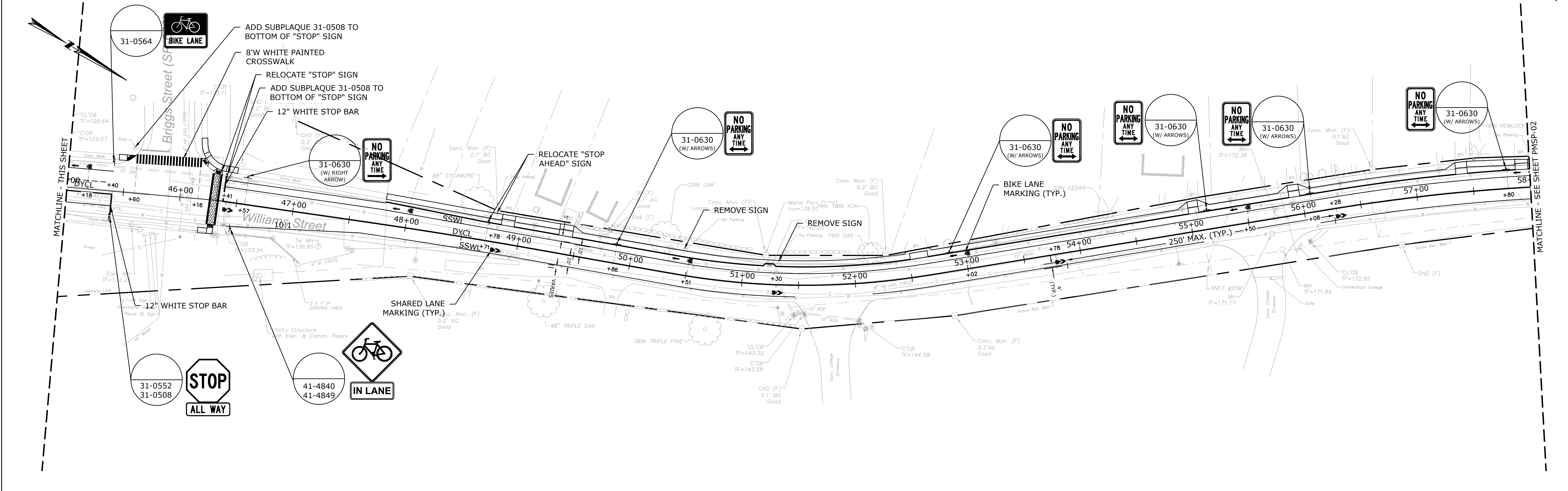
PROJECT NO.
0094-0258

DRAWING NO.
GEN-04

SHEET NO.

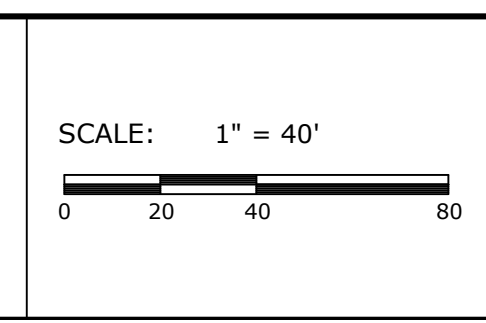


**BEGIN STATE PROJECT
NO. 0094-0258
WILLIAMS STREET
STA. 32+50
N: 695,628.46
E: 1,177,670.74
MATCH EXISTING**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PREPARED FOR:
CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320



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655 Winding Brook Drive
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860 652 8227

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ENGINEER: MS
APPROVED BY: ROBERT NEWTON, PE

DATE: JULY 14, 2020
No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

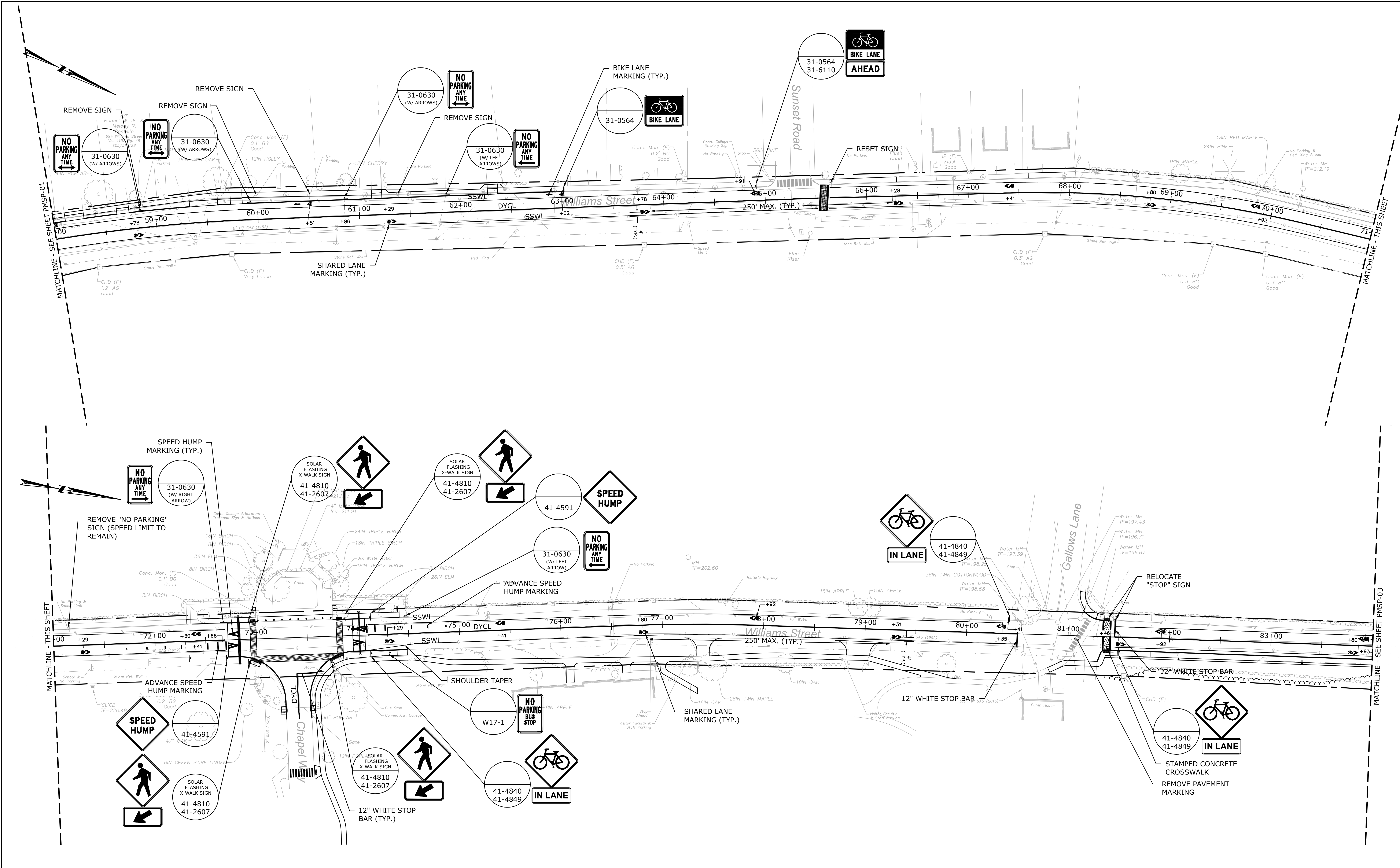
TOWN:
NEW LONDON

DRAWING TITLE:
**PAVEMENT MARKINGS & SIGNAGE
PLAN**

PROJECT NO.
0094-0258

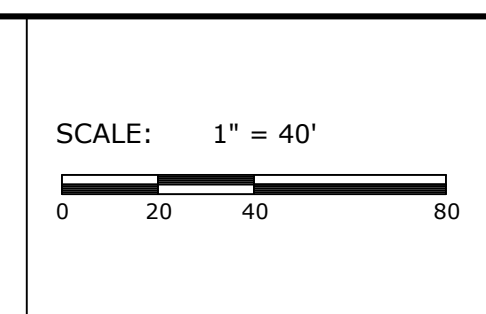
DRAWING NO.
PMSP-01

SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



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 ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

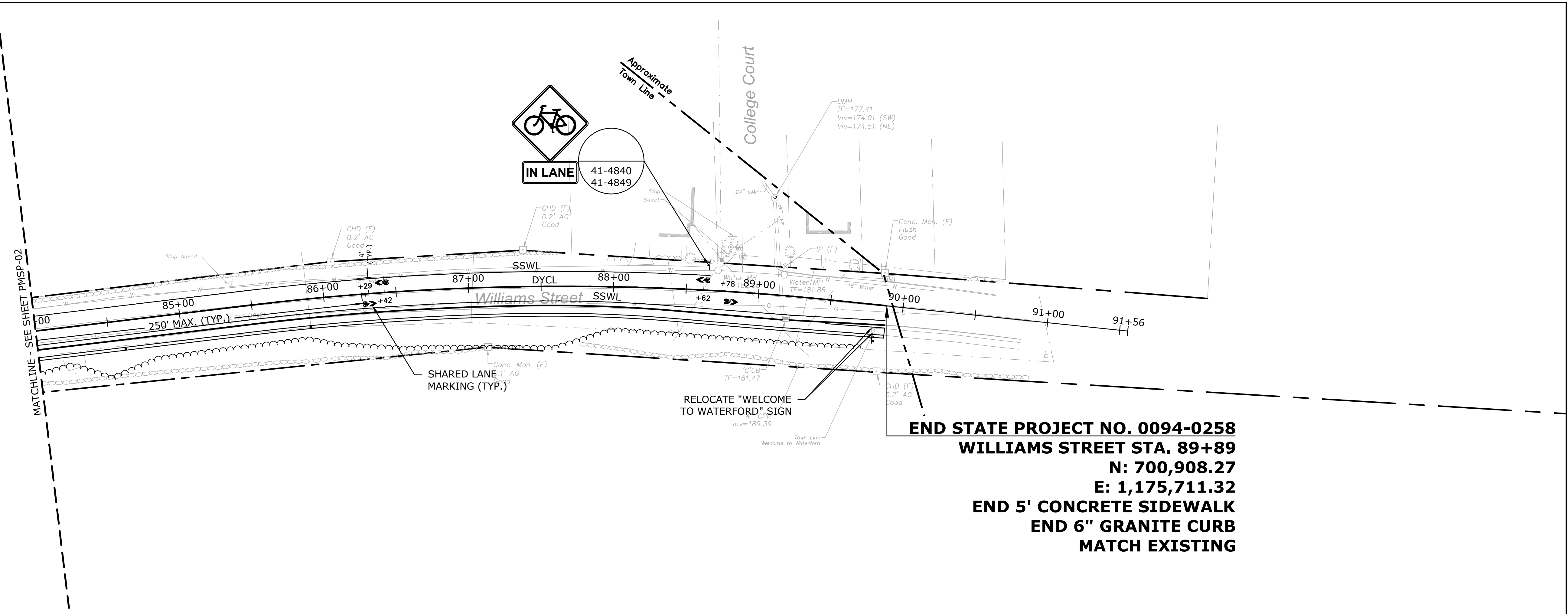
TOWN:
NEW LONDON

DRAWING TITLE:
PAVEMENT MARKINGS & SIGNAGE PLAN

PROJECT NO.
0094-0258

DRAWING NO.
PMSP-02

SHEET NO.

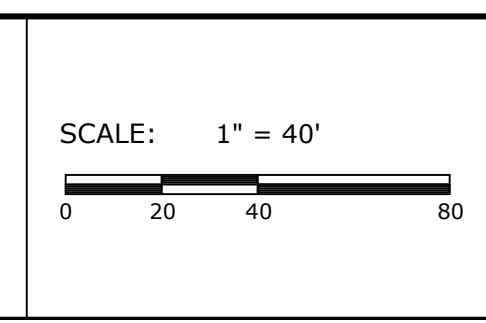


END STATE PROJECT NO. 0094-0258
WILLIAMS STREET STA. 89+89
N: 700,908.27
E: 1,175,711.32
END 5' CONCRETE SIDEWALK
END 6" GRANITE CURB
MATCH EXISTING

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-PMSP.DWG

PREPARED FOR:
 CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320

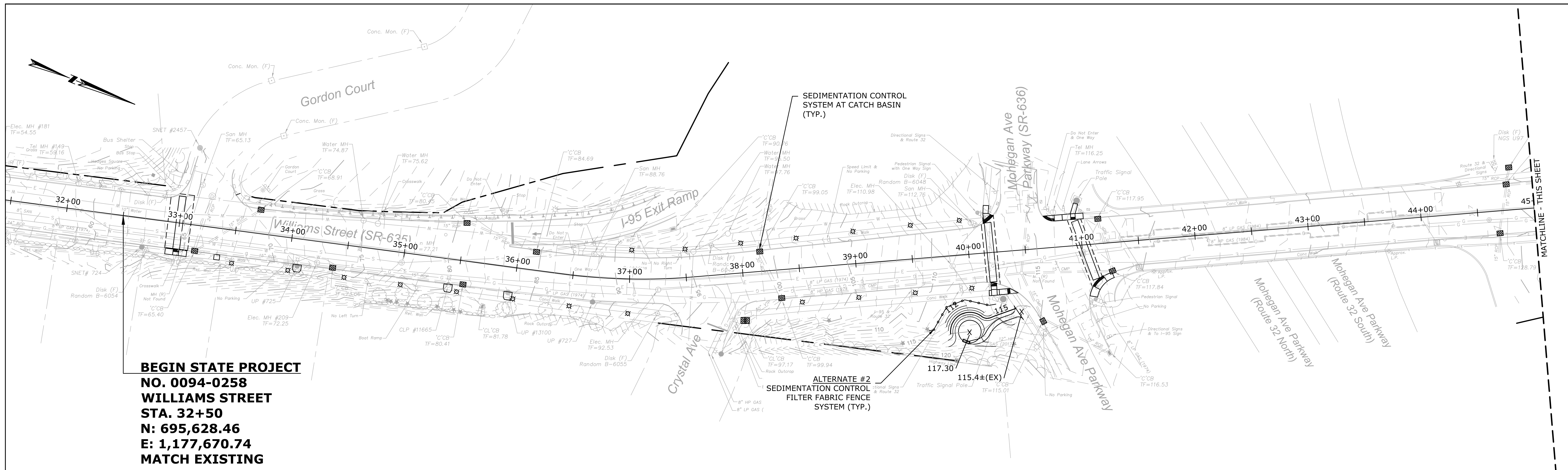


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 ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

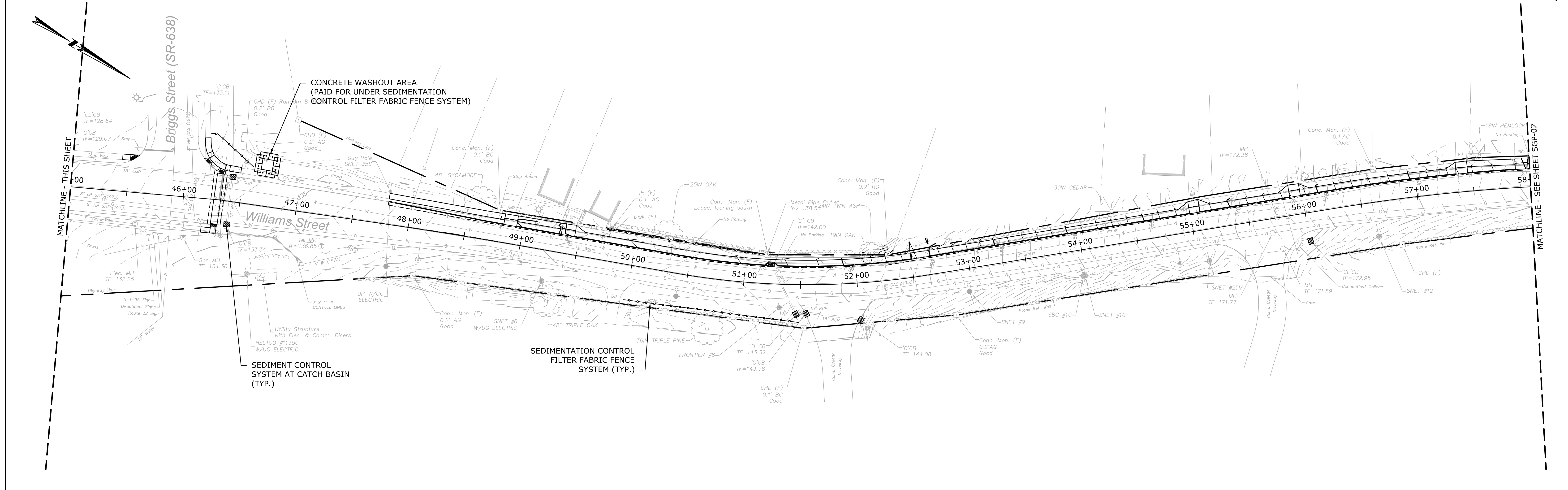
PROJECT TITLE:
 WILLIAMS STREET IMPROVEMENTS

TOWN:
 NEW LONDON
 DRAWING TITLE:
 PAVEMENT MARKINGS & SIGNAGE
 PLAN

PROJECT NO.
 0094-0258
 DRAWING NO.
 PMSP-03
 SHEET NO.



**BEGIN STATE PROJECT
NO. 0094-0258
WILLIAMS STREET
STA. 32+50
N: 695,628.46
E: 1,177,670.74
MATCH EXISTING**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GRAD.DWG

PREPARED FOR:
**CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320**

SCALE: 1" = 40'
0 20 40 80

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655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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ENGINEER: MS DATE: JULY 14, 2020
APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

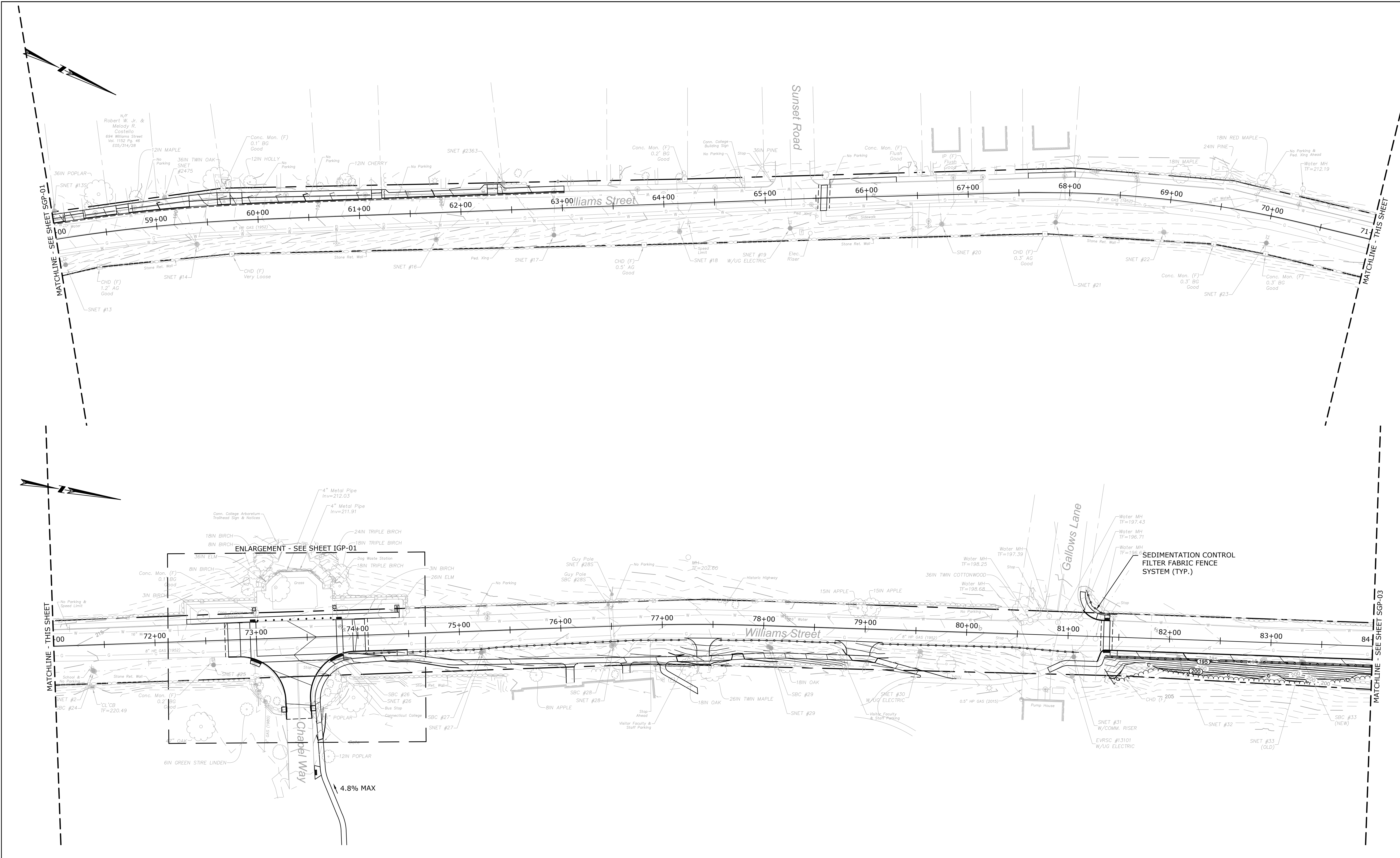
TOWN:
NEW LONDON

DRAWING TITLE:
SIDEWALK GRADING PLAN

PROJECT NO.
0094-0258

DRAWING NO.
SGP-01

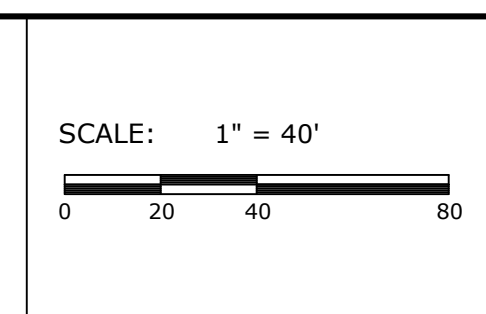
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-GRAD.DWG

PREPARED FOR:
CITY OF NEW LONDON
 13 MASONIC STREET
 NEW LONDON, CT 06320



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 ENGINEER: MS DATE: JULY 14, 2020
 APPROVED BY: ROBERT NEWTON, PE No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

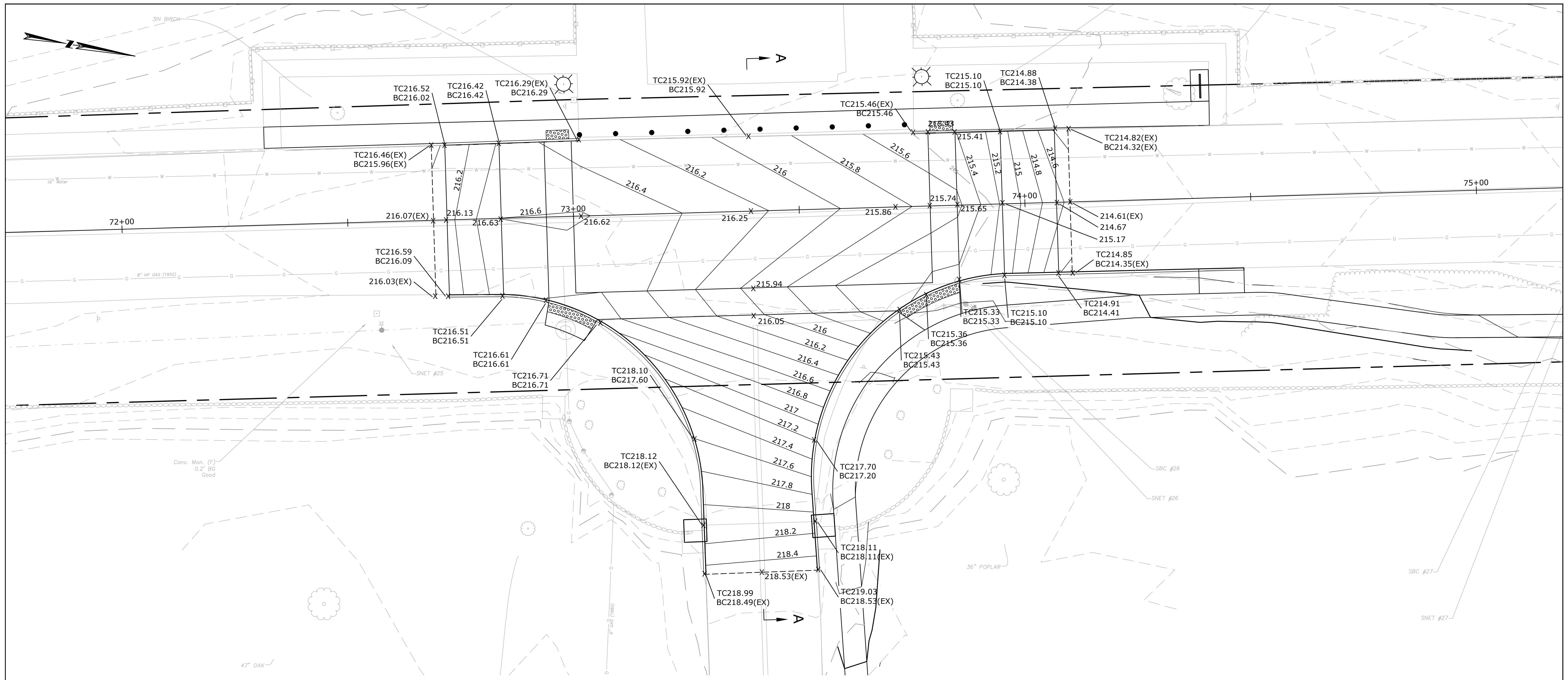
TOWN:
NEW LONDON

DRAWING TITLE:
SIDEWALK GRADING PLAN

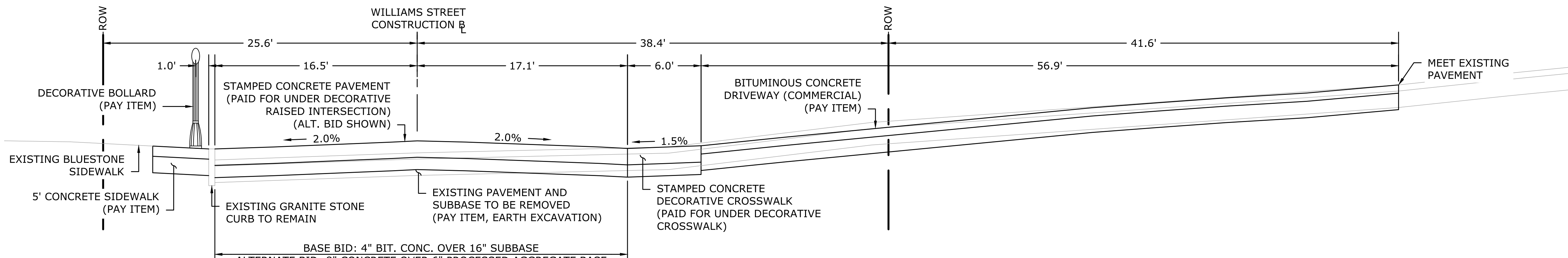
PROJECT NO.
0094-0258

DRAWING NO.
SGP-02

SHEET NO.



INTERSECTION GRADING PLAN
SCALE: 1" = 10'



SECTION A-A
SCALE: 1" = 5' (HORIZONTAL)
1" = 2.5' (VERTICAL)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PREPARED FOR:
CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320

SCALE: AS SHOWN

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655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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ENGINEER: MS
APPROVED BY: ROBERT NEWTON, PE

DATE: JULY 14, 2020
No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

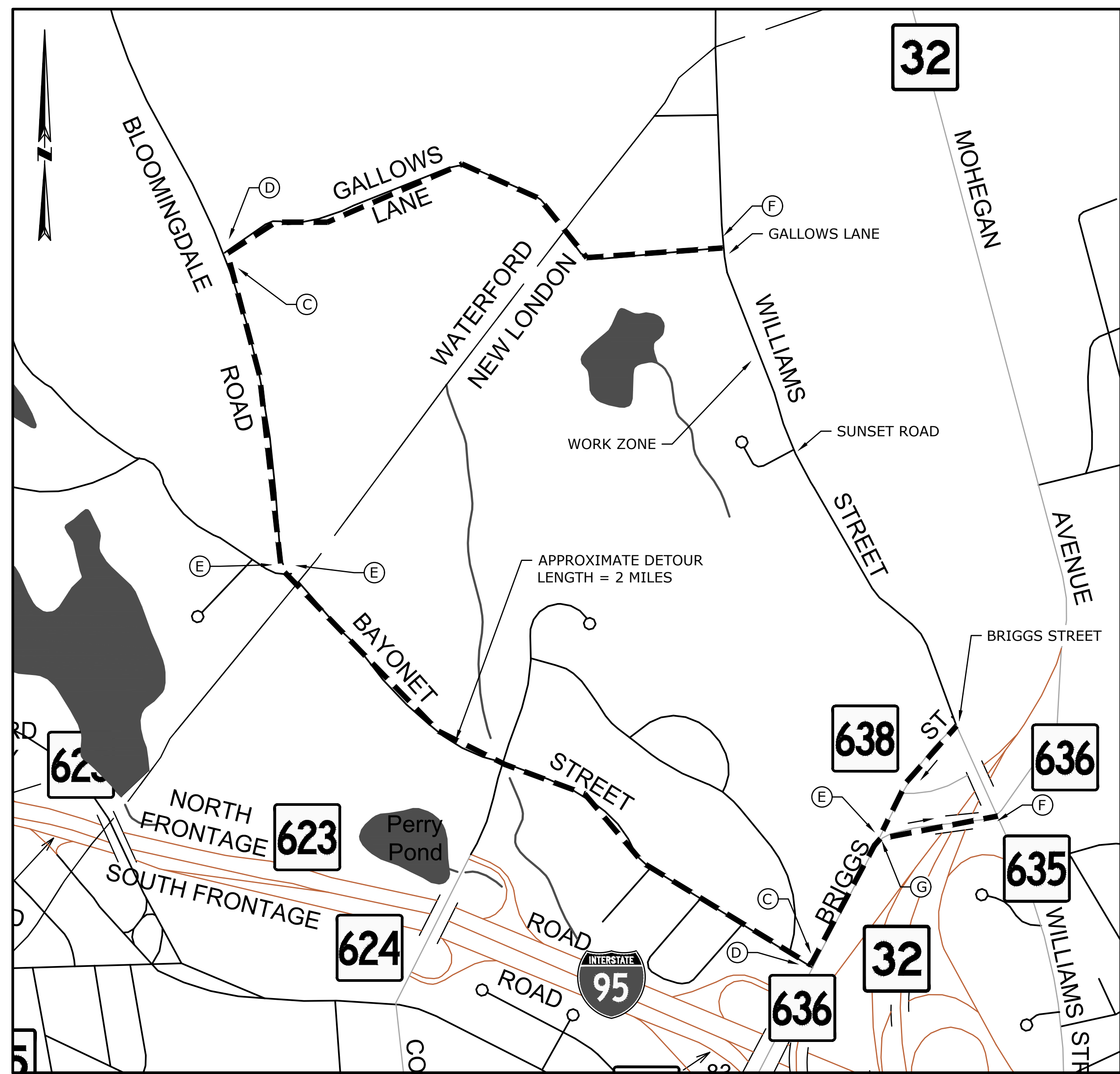
TOWN:
NEW LONDON

DRAWING TITLE:
INTERSECTION GRADING PLAN

PROJECT NO.
0094-0258

DRAWING NO.
IGP-01

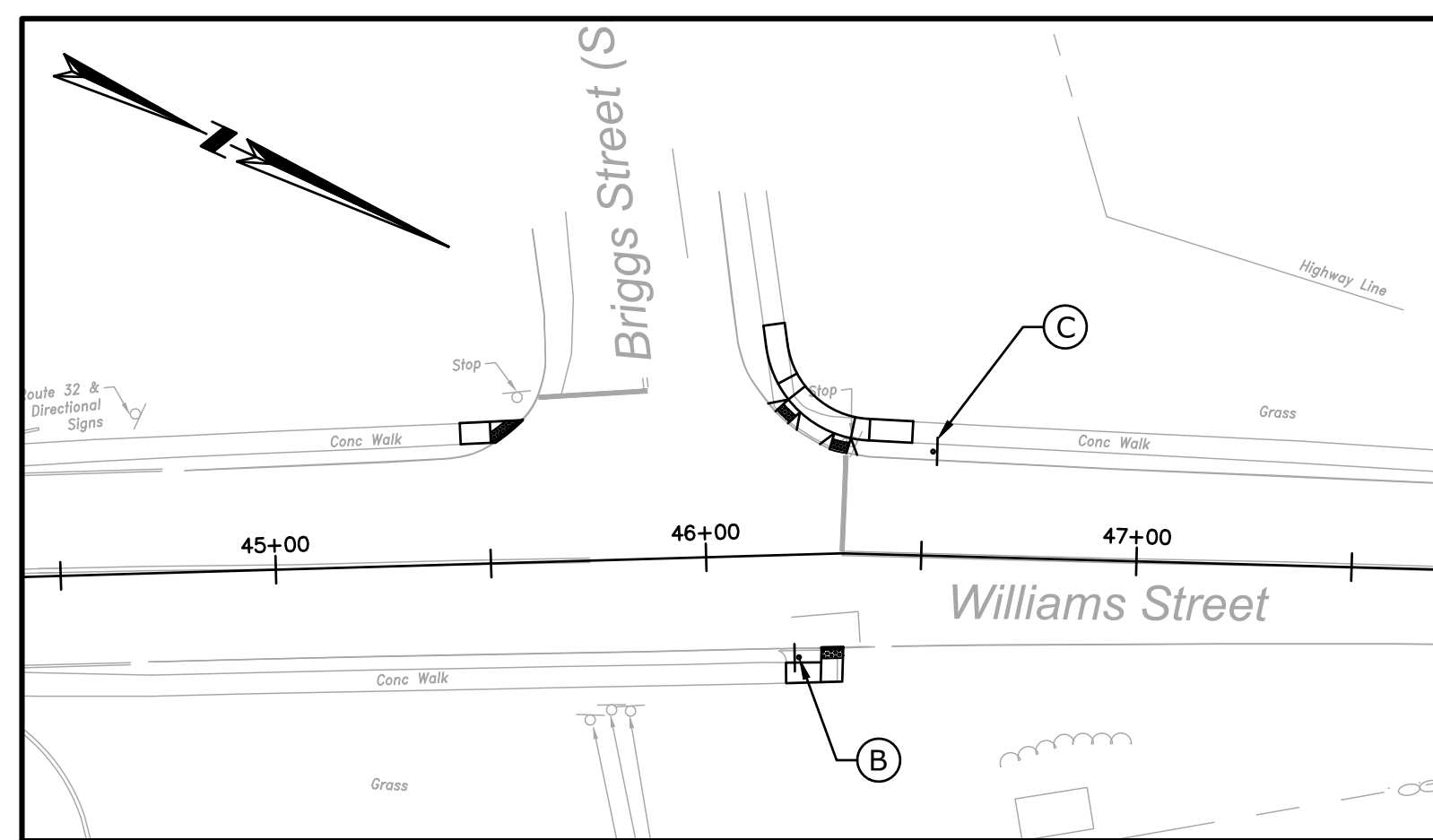
SHEET NO.



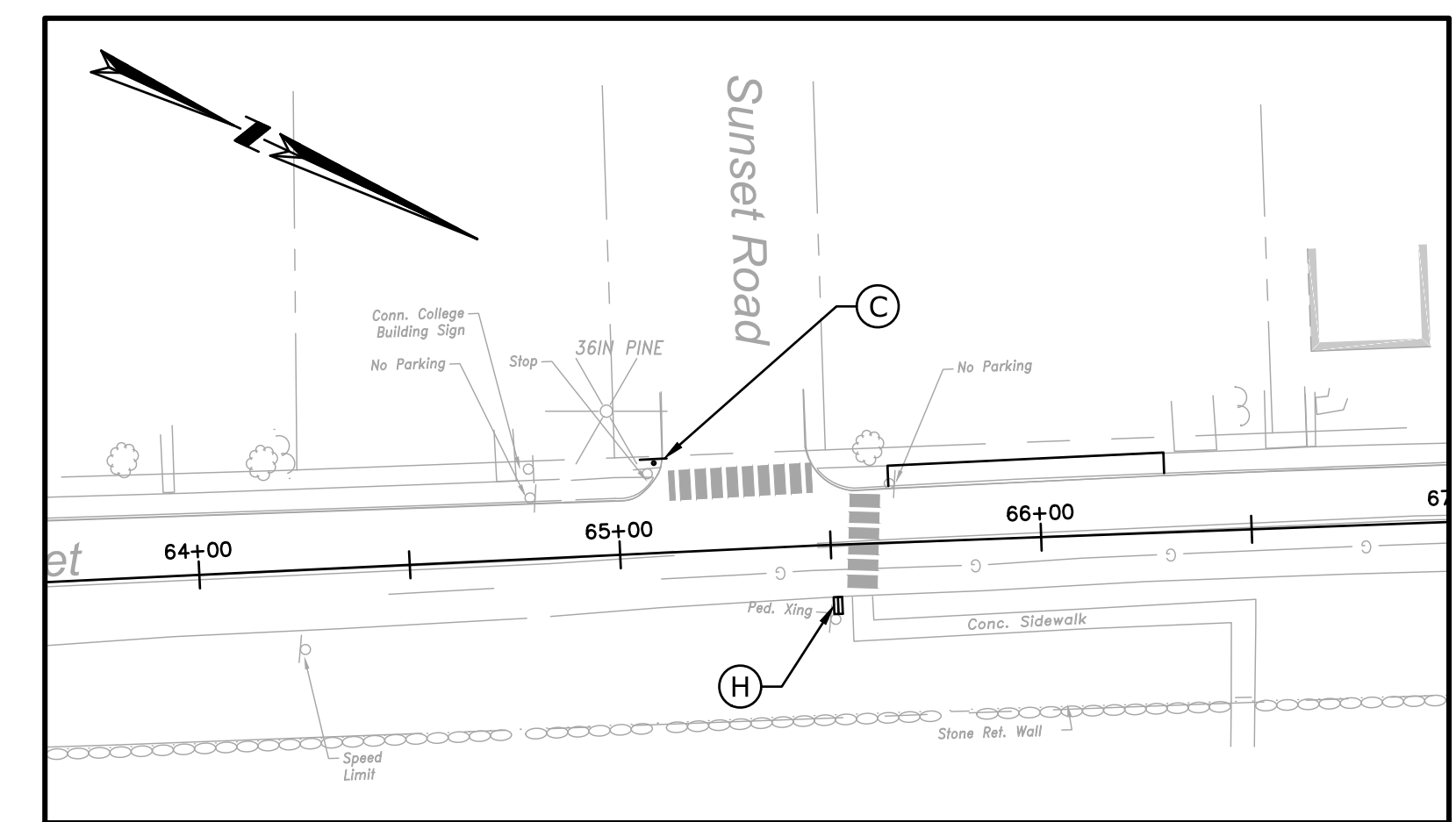
DETOUR PLAN
SCALE: 1" = 500'

NOTES:

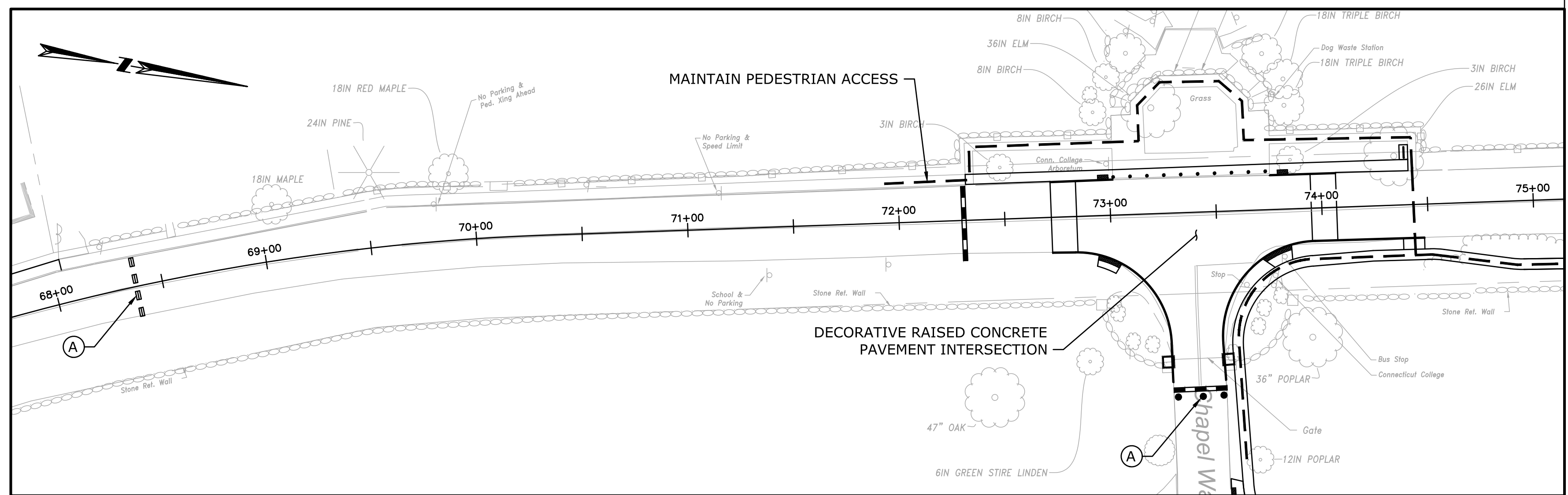
- DETOUR TO BE IMPLEMENTED ONLY DURING CONSTRUCTION AND CURING PERIOD OF DECORATIVE RAISED CONCRETE INTERSECTION. DURING ALL OTHER CONSTRUCTION OPERATIONS, MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION SECTION 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
- THE DETOUR SIGNING PACKAGE SHALL BE PAID FOR UNDER CONSTRUCTION SIGNS. ADDITIONAL ITEMS REQUIRED FOR DELINEATION/PROTECTION OF THE WORK ZONE ARE INCLUDED IN THE LEGEND. ALL COSTS ASSOCIATED WITH THE MAINTENANCE OF THE WORK ZONE AND DETOUR INCLUDING THE ERECTION, MOVEMENT, ADJUSTMENT, AND RELOCATION OF SIGNS (EXISTING OR PROPOSED), BARRICADES AND DRUMS SHALL BE INCLUDED UNDER MAINTENANCE AND PROTECTION OF TRAFFIC.
- PRIOR TO INITIATING THE DETOUR, IN ACCORDANCE WITH SPECIAL PROVISION SECTION 1.08 - PROSECUTION AND PROGRESS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, CONNECTICUT DEPARTMENT OF TRANSPORTATION (CONNDOT) DISTRICT 2, THE CITY OF NEW LONDON DEPARTMENT OF PUBLIC WORKS, THE CITY OF NEW LONDON EMERGENCY COMMUNICATIONS CENTER, CONNECTICUT COLLEGE, THE TOWN OF WATERFORD DEPARTMENT OF PUBLIC WORKS, AND THE TOWN OF WATERFORD EMERGENCY COMMUNICATIONS CENTER.
- PROJECT-WIDE ADVANCE CONSTRUCTION SIGNS, INCLUDING SERIES 16 SIGNS, SHALL BE MAINTAINED. ADDITIONAL WARNING SIGNS MAY BE INSTALLED AS DIRECTED BY THE ENGINEER.
- ALL DETOUR SIGNS SHALL BE MOUNTED ON EXISTING POLES OR POSTS, ON PORTABLE SIGN SUPPORTS OR INSTALLED IN GRASS AREAS. SIGNS SHALL BE POST MOUNTED WHERE FEASIBLE. ALL POST MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 7 FEET ABOVE THE ROADWAY. SIGNS INSTALLED OVER SIDEWALK SHALL HAVE AN 8'-6" MINIMUM VERTICAL CLEARANCE OVER THE SIDEWALK. SIGNS SHALL NOT BE INSTALLED IN EXISTING SIDEWALKS. THE EXACT LOCATION OF SIGNS ARE TO BE VERIFIED BY THE ENGINEER.
- ALL DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN THE DETOUR IS NOT IN EFFECT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SIGNAGE AT BRIGGS STREET AND GALLOWES LANE, 2 WEEKS IN ADVANCE, MINIMUM, NOTIFYING THE PUBLIC THAT WILLIAMS STREET WILL BE CLOSED FROM [MONTH, DAY TO MONTH, DAY].
- THE ABOVE DETOUR PLAN SHALL ONLY BE IMPLEMENTED IF THE CONTRACT INCLUDES BID ALTERNATE NO. 3 (DECORATIVE RAISED INTERSECTION). THE BASE BID (BITUMINOUS CONCRETE PAVEMENT RAISED INTERSECTION) WILL NOT REQUIRE A DETOUR.



BRIGGS STREET INTERSECTION
SCALE: 1" = 40'

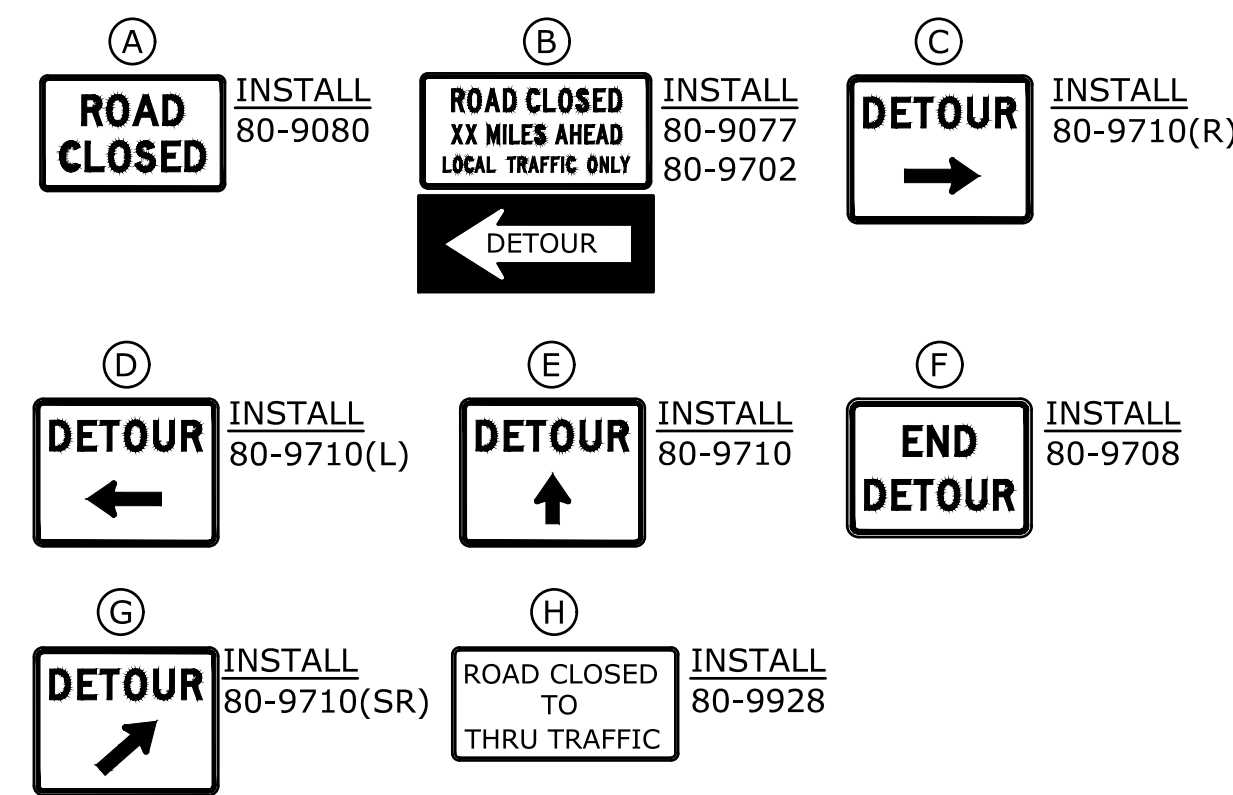


SUNSET ROAD INTERSECTION
SCALE: 1" = 40'



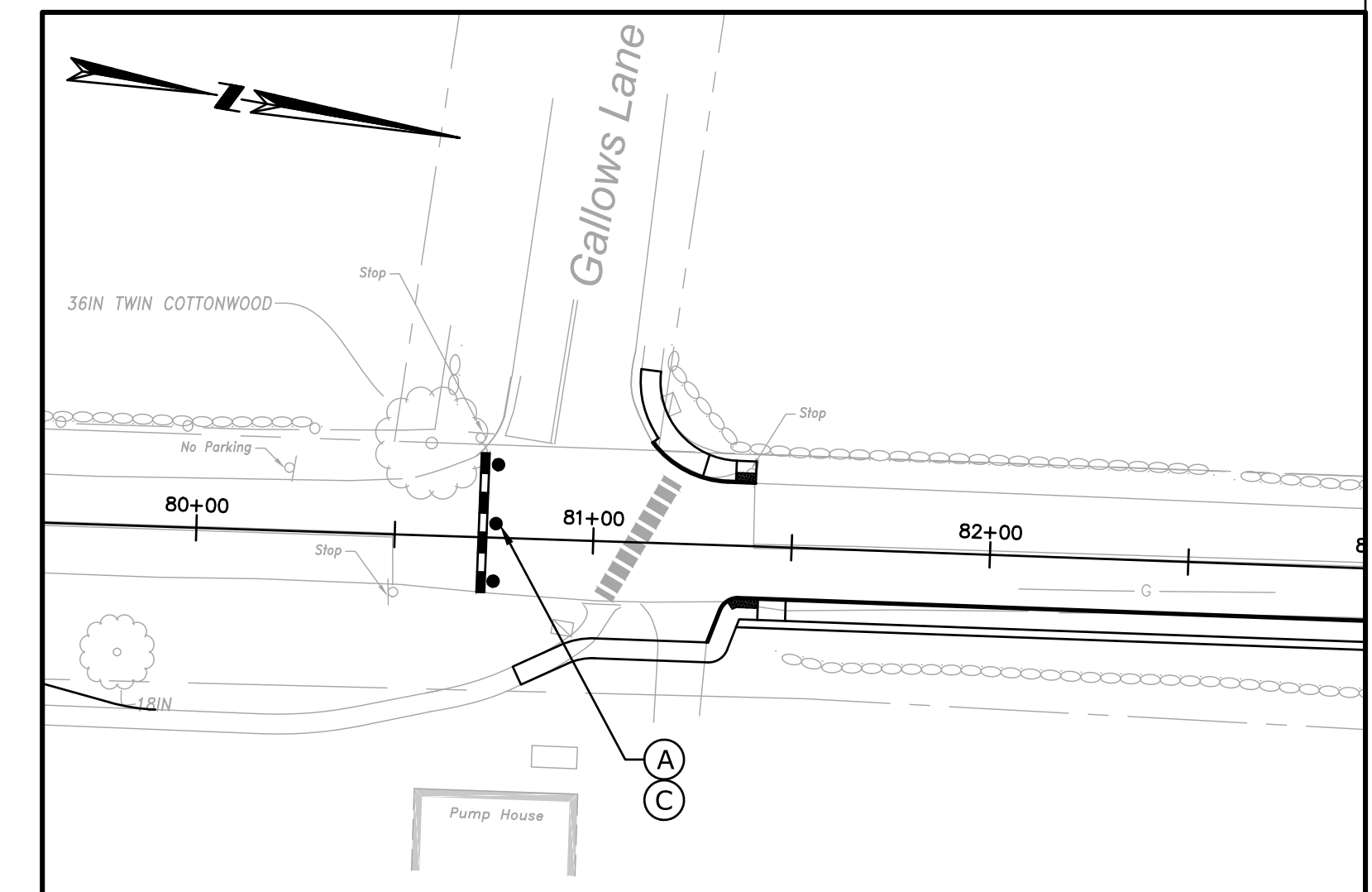
WORK ZONE
SCALE: 1" = 40'

DETOUR SIGN LEGEND



LEGEND

- TEMPORARY PRECAST CONCRETE BARRIER CURB
- TRAFFIC DRUM
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- PORTABLE CONSTRUCTION SIGN



GALLOWES LANE INTERSECTION
SCALE: 1" = 40'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Filename: 8372700-MPTP.DWG

PREPARED FOR:
CITY OF NEW LONDON
13 MASONIC STREET
NEW LONDON, CT 06320

SCALE: AS SHOWN



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ENGINEER: MS

APPROVED BY: ROBERT NEWTON, PE

655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

DATE: JULY 14, 2020

No. 20662

PROJECT TITLE:
WILLIAMS STREET IMPROVEMENTS

TOWN:
NEW LONDON
DRAWING TITLE:
TRAFFIC MANAGEMENT PLAN

PROJECT NO.
0094-0258
DRAWING NO.
TMP-01
SHEET NO.

F A C E #	PRE-EMPT. 1		MOVEMENT DIAGRAM																							
	NONE		PHASE 1		PHASE 2		PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8				
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
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2	Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
3	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
4	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	
5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
P	OFF			DW																						
MIN GRN	5			15										5												
WALK																										
PED CLR																										
VEH EXT	2			5										2												
MAX 1	11			30										21												
MAX 2	11			30										21												
YELLOW		3.0			3.6																					
RED			1.0			2.1																				
ADD INI				0.75																						
MAX INT				26																						
TBR																										
TTR																										
MIN GAP				5																						
MODE	NON-LOCK			MIN RECALL THIS PHASE		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		OFF		OFF		OFF								
INI START																										

ENERGY BY- STATE MAINT. LEVEL 5
METER # - SERVICE - CL&P #12933
INTERSECTION# 094-216

UNMETERED SERVICE
OFFICE RECORD
REVISION #6
STC # SM #
SIGNAL REVISED: 6-19-03
REVISED SIGNAL UNDER PROJ. 172-326.
AS BUILT PLAN DRAWN: 1-04
REVISION #7
JOB #094-211 SM #100800
TRAFFIC DES :YKN ELECT DES :MSS
SIGNAL REVISED :10/4/16
INSTALLED COUNTDOWN PEDESTRIAN SIGNALS, REVISED TIMINGS AND REMOVED PROGRAMMED FLASH.

ALL INDICATIONS HAVE LED LAMPS AND TUNNEL VISORS.

PRE-EMPTION SETTINGS
PRE-EMPT 1
PRIORITY NO
DET. LOCK YES
DELAY 0
ALT. MIN. GRN 5
ALT. YELLOW PARENT
ALT. RED PARENT
ALT. PED. CLR. 16
HOLD GREEN 15
HOLD YELLOW 3.6
HOLD RED 2.1
HOLD PHASE 2
EXIT PHASE 4
EXIT CALL NONE

LEGEND
R RED
Y YELLOW
G GREEN
← RED ARROW
← YEL ARROW
← GRN ARROW
WØ WALK/ FL. D.W.
D.W. DONT 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
□ PEDESTAL PUSH
□ BUTTON & SIGN
□ TRAFFIC SIGNAL FACE
□ PEDESTRIAN SIGNAL FACE
□ LOOP DETECTOR
□ MAGNETIC DETECTOR
□ SD SYSTEM DETECTOR
□ OPTICAL DETECTOR

PROPOSED CONTROLLER
EXISTING CONTROLLER
PROPOSED HANDHOLE
EXISTING HANDHOLE
PROPOSED
EXISTING
PROPOSED (R.M.C.) RIGID METAL CONDUIT
EXISTING (R.M.C.) RIGID METAL CONDUIT
CABLE CLOSURE
DET. LEADS IN SAW CUT
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
AUDIBLE PEDESTRIAN SIGNAL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUR. OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING
TRAFFIC CONTROL SIGNAL

CITY OF NEW LONDON
S.R. 635 (WILLIAMS ST.) AT
S.R. 636 (MOHEGAN AVE.) AND
BRIGGS-MOHEGAN CONNECTOR

REV #6	TRAFFIC	ELECTRICAL		
ENGINEER	RJC	DATE	PSF	DATE
DRAFTER	MJC	11/98	PSF	2/99
CHECKED BY	MWL	12/01	RMW	12/01
SUBMITTED BY	MWL	12/01	MJG	12/01
APPROVED BY	V.A. Avino	V.A. Avino		
DATE	12/17/01	12/17/01		

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.

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

REPLACE ENTIRE SECTION OF SIDEWALK DAMAGED DUE TO INSTALLATION OF CONDUIT, HANDHOLE OR FOUNDATION.

⊗ INSTALL 3 - 1.8m x 1.8m LOOPS WITH 3 TURNS

INSTALL LOOP DETECTORS OF 2.4 m APART UNLESS OTHERWISE SPECIFIED, SEGMENTED LOOPS TO BE SPLICED IN SERIES.

INSTALL DETECTORS D1 CENTERED IN LANE.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO FOUNDATIONS, HANDHOLES, CONDUIT RISERS & CABLE, MESSENGER & INTERCONNECT, STEEL POLES, AND WOOD POLES.

TWO WEEKS PRIOR TO INSTALLATION CONTACT NORTHEAST UTILITIES REPRESENTATIVE MARTIN GRZYMKOWSKI AT (860) 447-5760 .

THERE ARE EXTENSIVE UNDERGROUND UTILITIES IN THE AREA, BE SURE TO "CALL BEFORE YOU DIG" AT 1-800-922-4455 BEFORE ANY EXCAVATION.

IDENT	SIZE (WXL)	TURNS	MODE	PROGRAM				COORDINATION TYPE- NONE	PERMIS PERIOD	SYSTEM LOC MASTER	TECHNICAL NOTES
				FUNCTION	T I M E	DAYS	CYCLE				
D1	1.8 m x 1.8 m	3	PRESENCE	FLASH	NONE		DAILY				STANDARD OVERLAP SKIP FEATURES APPLY PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION
D2	5.0 m x 1.8 m	3	PRESENCE	MAX 1	ALL TIMES		DAILY				PHASE 2 ON TO OMIT PHASE 1
D2A	4.2 m x 1.8 m	3	PRESENCE	MAX 2	FUTURE						① COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
D4	3.0 m x 1.8 m	3	8" DELAY								MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 3 PEDESTRIAN CHANGE INTERVAL.
D4A	3.0 m x 1.8 m	3	PRESENCE								
D5	3.0 m x 1.8 m	3	8" DELAY								
D5A	3.5 m x 1.8 m	3	8" DELAY								
D5B	5.0 m x 1.8 m	3	8" DELAY								

REV #7 INTERSECTION # 094-216

STATE OF CT.

STATE OF CT.

TRAFFIC CONTROL SIGNAL LAYOUT
CITY OF NEW LONDON
S.R. 635 (WILLIAMS ST.) AT
S.R. 636 (MOHEGAN AVE.) AND
BRIGGS-MOHEGAN CONNECTOR

SCALE 1:500 METRIC
ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.

SIGN LEGEND:
 (A) EXIST 31-0222 (Left Turn)
 (B) EXIST 31-0282 (Right Turn)
 (C) EXIST 31-1109 (DO NOT ENTER)
 (E) SPAN MOUNT 31-0183 (Right Turn)
 (F) EXIST 31-1112 (WRONG WAY)
 (G) EXIST 31-1189 (Left Turn) & 31-1178 (Right Turn)

SPAN POLE INFORMATION
 ID #094-216-A HEIGHT 9000 mm, B.C. 510 mm, LOAD AT YIELD 34710 N INSTALLED 2003
 ID #094-216-B HEIGHT 9000 mm, B.C. 510 mm, LOAD AT YIELD 34710 N INSTALLED 2003

CONNECTICUT DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNAL LAYOUT
CITY OF NEW LONDON
S.R. 635 (WILLIAMS ST.) AT
S.R. 636 (MOHEGAN AVE.) AND
BRIGGS-MOHEGAN CONNECTOR

NO.	DATE	INIT.	DESCRIPTION
1	06/20		REV. PER STATE PRJ. #0094-258

SCALE 1:500 METRIC
ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.

TOWN: NEW LONDON
PROJECT NO.:
DRAWING NO.:
SHEET NO.: