

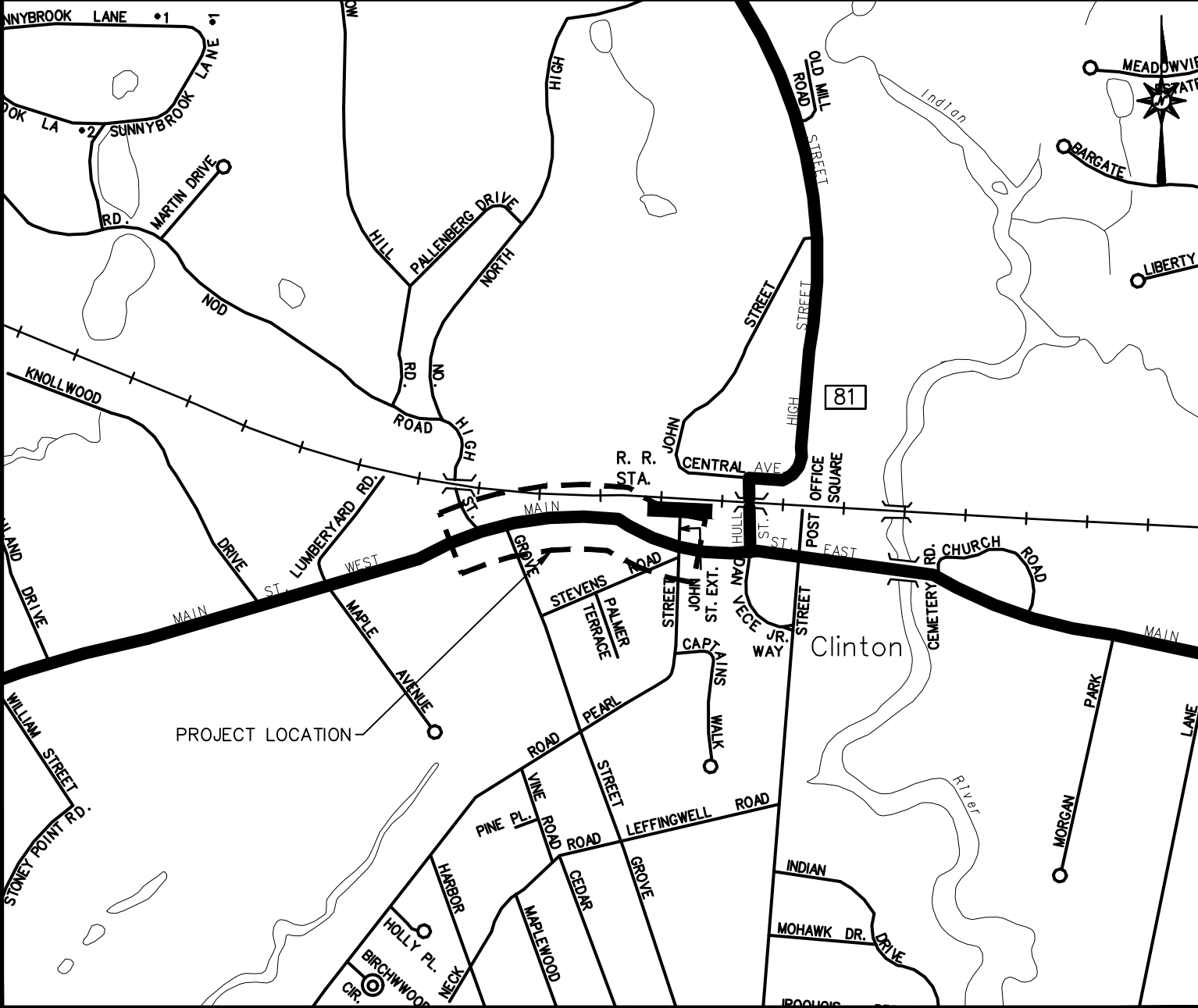
LOCATION MAP
N.T.S.

PRELIMINARY DESIGN SUBMISSION

PROJECT NO. 0027-0131 WEST MAIN ST (ROUTE 1) PEDESTRIAN IMPROVEMENT PROJECT CLINTON, CT

PREPARED FOR:
TOWN OF CLINTON
54 EAST MAIN STREET
TOWN OF CLINTON, CT 06413

MAYOR MICHELLE BENIVEGNA
DIRECTOR OF PUBLIC WORKS TODD HAJEK



VICINITY MAP
SCALE: 1"=800'

DESIGN STANDARDS

TOWN OF CLINTON DESIGN STANDARDS
CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL

CONSTRUCTION STANDARDS

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION FORM 819, DATED 2024 AND SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2025 AND SPECIAL PROVISIONS.

ALL HORIZONTAL GEOMETRY ON THIS PROJECT IS BASED ON A FIELD SURVEY PERFORMED BY BL COMPANIES, INC. DATED: JUNE 2025 ON HORIZONTAL DATUM NAD 83.

ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD 88.

PREPARED BY:



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

CONTENTS

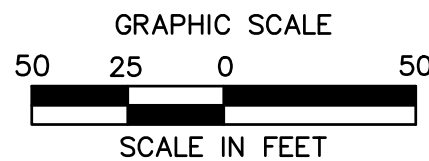
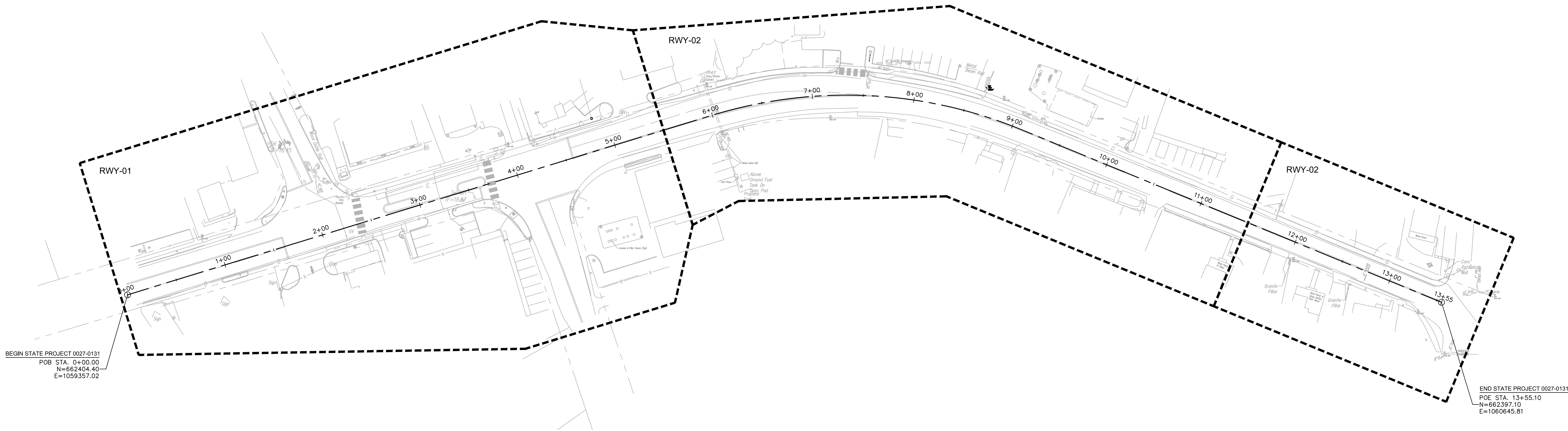
	TITLE SHEET
INX-01	INDEX SHEET
EX-01	EXISTING CONDITIONS MAP
TYP-01	TYPICAL SECTIONS
MDS-01	MISCELLANEOUS DETAILS
RWY-01 - 02	ROADWAY PLANS
PRO-01 - 03	PROFILE SHEETS
TCS-01	SIGNAL PLAN
CTDOT GUIDE SHEETS	
GD-01 - GD-04	SIDEWALK RAMP GUIDE SHEETS
CTDOT STANDARD SHEETS	
HWY-STD-INDEX	HIGHWAY STANDARD SHEET INDEX 1 OF 2
HWY-STD-INDEX	HIGHWAY STANDARD SHEET INDEX 2 OF 2

DATES

ISSUE DATE: AUGUST 1, 2025
REVISION:

7/31/2024, 10:46:06 AM, C:\Users\jdmiller\OneDrive\Documents\Projects\240170801\240170801.dwg, jdmiller

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ROUTE 1 PEDESTRIAN SAFETY IMPROVEMENTS

CT ROUTE 1

CLINTON, CONNECTICUT

Desc.

REVISIONS
No. Date

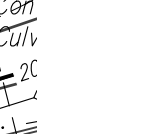
Designed CLM
Drawn JAD
Reviewed KPR
Scale 1"=50'
Project No. 2401708
Date 08/01/25
CAD File: INX240170801

Title
INDEX PLAN

Sheet No.

INX-01

Sheet No.: INX240170801



355 Research Parkwa
Meriden, CT 06450

EXISTING CONDITIONS MAP

EX-1

DONALD A. SMITH, L.S. #70206

EX-1

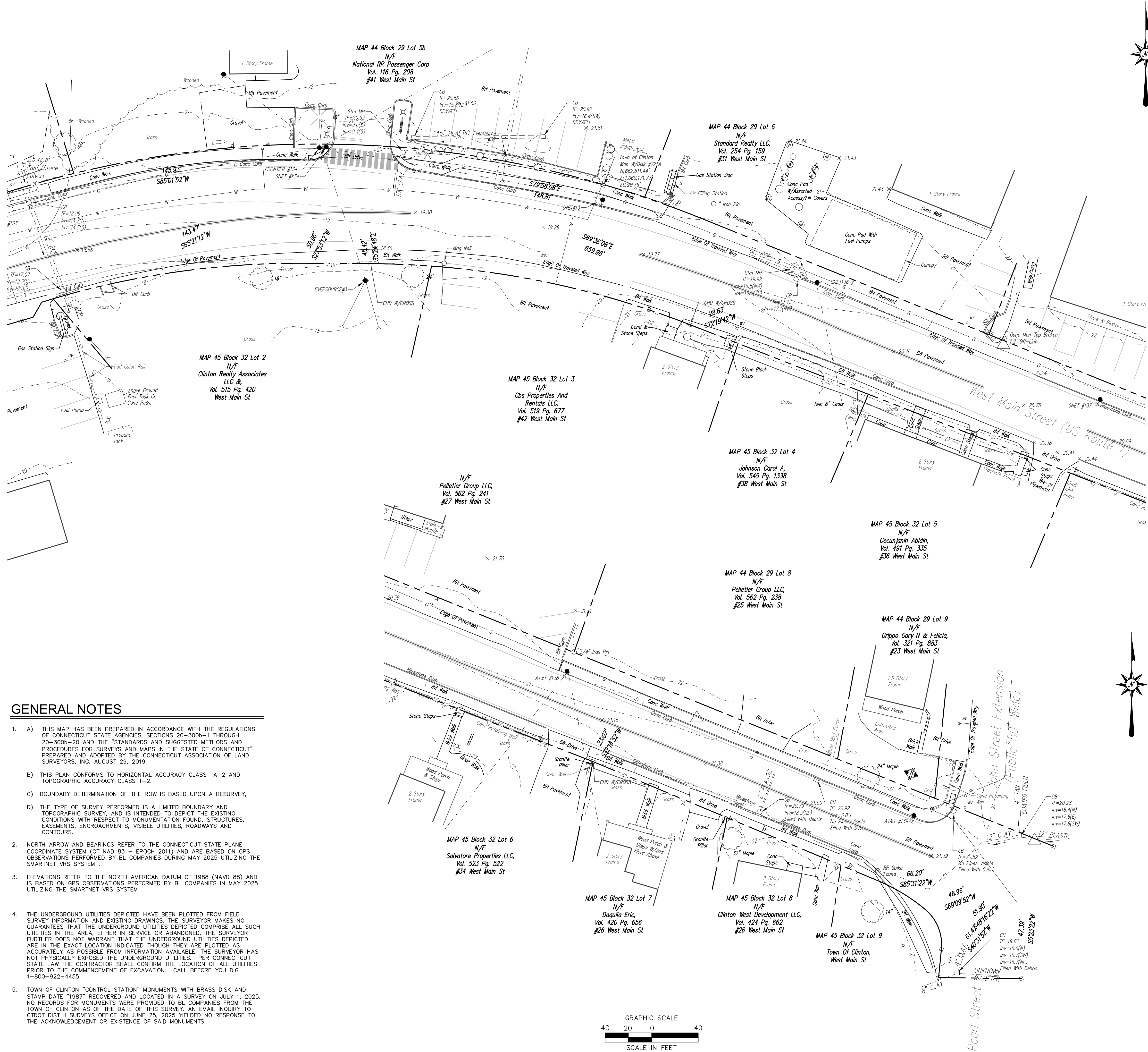
ROUTE 1 SIDEWALK EXTENSION PROJECT
WEST MAIN STREET (US ROUTE 1)
CLINTON, CONNECTICUT

REVISIONS	Disc.
No.	Date
Surveyed	SC/DIS
Drawn	SC
Reviewed	JS.
Scale	1"=40'
Project No.	2401708
Date	06/06/2025
Field Book	595, 599
CAD File:	EX240170801

Title
EXISTING CONDITIONS MAP

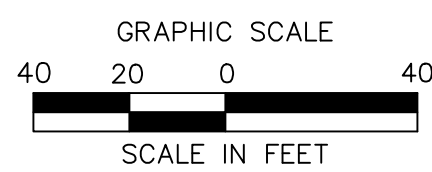
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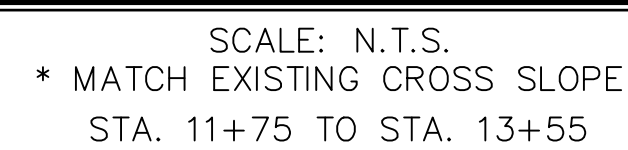
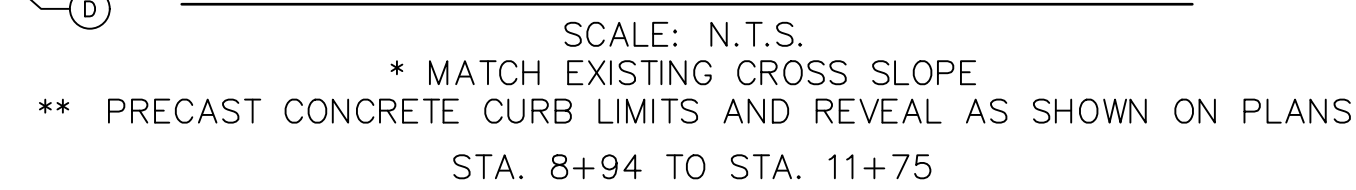
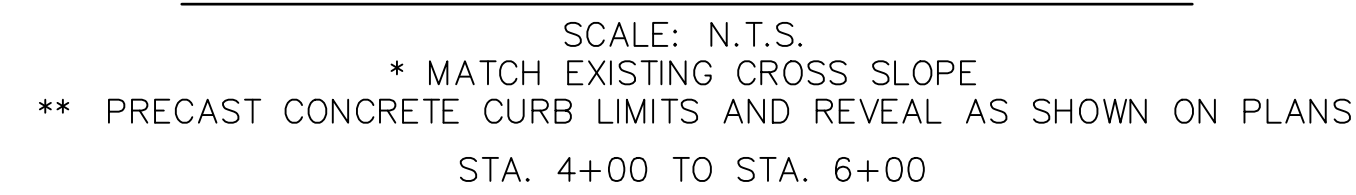
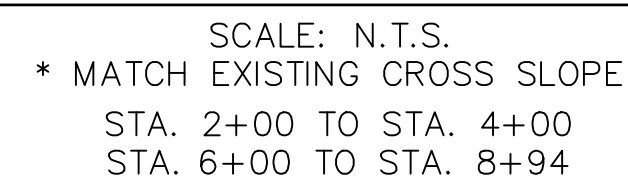
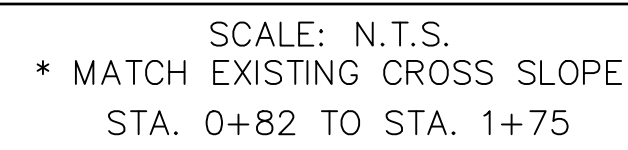
EX-1



GENERAL NOTES

- THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AUGUST 29, 2019.
 - THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2.
 - BOUNDARY DETERMINATION OF THE ROW IS BASED UPON A RESURVEY.
 - THE TYPE OF SURVEY PERFORMED IS A LIMITED BOUNDARY AND TOPOGRAPHIC SURVEY, AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.
- NORTH ARROW AND BEARINGS REFER TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (CT NAD 83 - EPOCH 2011) AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES DURING MAY 2025 UTILIZING THE SMARTNET VRS SYSTEM.
- ELEVATIONS REFER TO THE NORTH AMERICAN DATUM OF 1988 (NAVD 88) AND IS BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES IN MAY 2025 UTILIZING THE SMARTNET VRS SYSTEM.
- THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.
- TOWN OF CLINTON "CONTROL STATION" MONUMENTS WITH BRASS DISK AND STAMP DATE "1987" RECOVERED AND LOCATED IN A SURVEY ON JULY 1, 2025. NO RECORDS FOR MONUMENTS WERE PROVIDED TO BL COMPANIES FROM THE TOWN OF CLINTON AS OF THE DATE OF THIS SURVEY. AN EMAIL INQUIRY TO CTDOT DIST II SURVEYS OFFICE ON JUNE 25, 2025 YIELDED NO RESPONSE TO THE ACKNOWLEDGEMENT OR EXISTENCE OF SAID MONUMENTS





- A SAWCUT AND SEAL
- B 4" HMA SO.5 (TRAFFIC LEVEL 2) (PLACED IN TWO EQUAL LIFTS)
- C 5" HMA S1 (TRAFFIC LEVEL 2) (PLACED IN TWO EQUAL LIFTS)
- D 12" SUBBASE
- E CONCRETE SIDEWALK
- F BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)
- G CONCRETE CURBING
- H PRECAST CONCRETE CURBING



A RIGHT TO GRADE ACQUIRED

B RIGHT TO CONSTRUCT DRIVEWAY ACQUIRED

C PARTIAL ACQUISITION ACQUIRED

 BITUMINOUS CONCRETE DRIVEWAY
 FULL-DEPTH PAVEMENT STRUCTURE

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOoled JOINTS.
2. ALL CROSswALKS AND STOP BARS SHALL BE EPOXY REIN.
3. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. EXISTING INVERT ELEVATIONS SHALL BE VERIFIED AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
6. EXISTING PAVED PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE TOWN. GRINDING IS NOT ALLOWED.
7. CONCRETE HANDHOLE COVERS SHALL BE EMOSSBED AND LABELED "ELECTRICAL".
8. NOTE THAT DETACHABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP OR FOR EACH SIDEWALK CROSSING.
9. REMOVAL OF EXISTING BLUESTONE CURBING, GRANITE CURBING, AND GRANITE STEPS SHALL BE PAID FOR UNDER THE EARTH EXCAVATION ITEM.
10. THE EXISTING SIDEWALKS AND PORTLAND CEMENTS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
11. THE EXISTING RETAINING WALL SHALL BE MAINTAINED AND SIDEWALK SHALL BE POURED TO THE FACE OF THE WALL.



5 Research Parkway
Meriden, CT 06450
(203) 630-1406

ROUTE 1 PEDESTRIAN SAFETY IMPROVEMENTS

CLINTON, CONNECTICUT

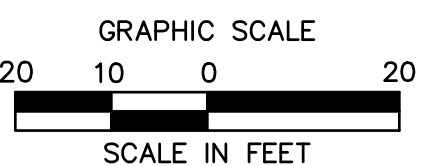
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Reviewed	KPI
Scale	1"=20'
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Date	08/01/2012
CAD File:	
RWY240170802	

ROADWAY PLAN

Sheet No. _____

RWY-01



GENERAL NOTES

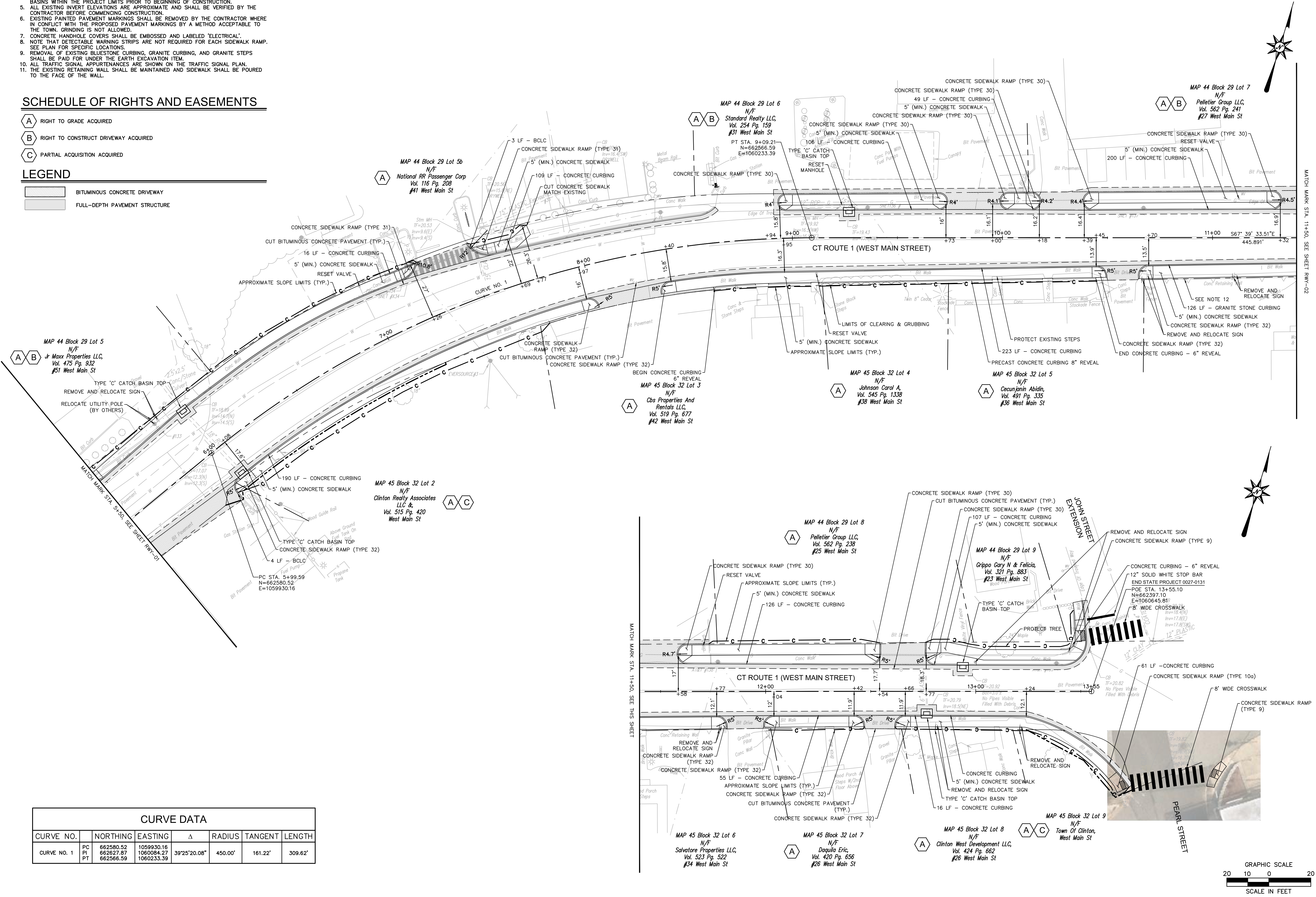
1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. ALL GROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN.
3. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. ALL EXISTING INVERT ELEVATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
6. EXISTING PAINTED PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE TOWN. GRINDING IS NOT ALLOWED.
7. CONCRETE HANDHOLE COVERS SHALL BE EMBOSSED AND LABELED 'ELECTRICAL'.
8. NOTE THAT DETECTABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP. SEE PLAN FOR SPECIFIC LOCATIONS.
9. REMOVAL OF EXISTING BLUESTONE CURBING, GRANITE CURBING, AND GRANITE STEPS SHALL BE PAID FOR UNDER THE EARTH EXCAVATION ITEM.
10. ALL TRAFFIC SIGNAL APURTENANCES ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
11. THE EXISTING RETAINING WALL SHALL BE MAINTAINED AND SIDEWALK SHALL BE POURED TO THE FACE OF THE WALL.

SCHEDULE OF RIGHTS AND EASEMENTS

- (A) RIGHT TO GRADE ACQUIRED
- (B) RIGHT TO CONSTRUCT DRIVEWAY ACQUIRED
- (C) PARTIAL ACQUISITION ACQUIRED

LEGEND

- BITUMINOUS CONCRETE DRIVEWAY
- FULL-DEPTH PAVEMENT STRUCTURE



CURVE DATA

CURVE NO.	NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 1	PC PT	662580.52 662627.87 662586.59	1059930.16 1060084.27 1060233.39	39°25'20.08"	450.00'	161.22' 309.62'

Architecture
Engineering
Environmental
Land Surveying

BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406

ROUTE 1 PEDESTRIAN SAFETY IMPROVEMENTS

CT ROUTE 1
CLINTON, CONNECTICUT

REVISIONS

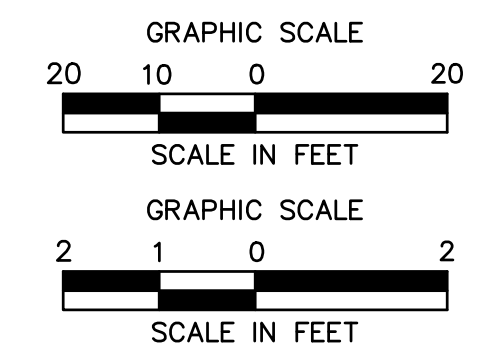
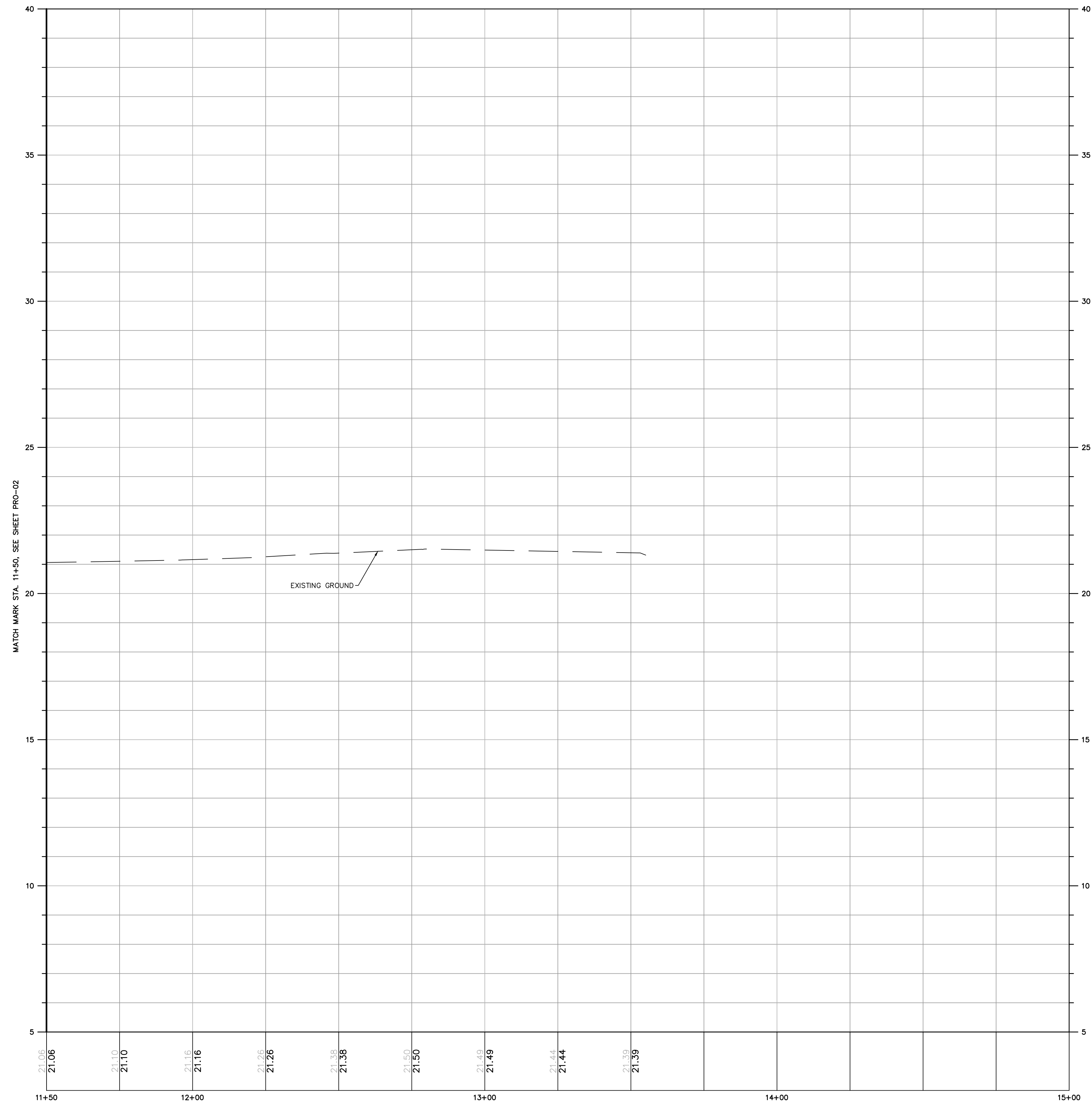
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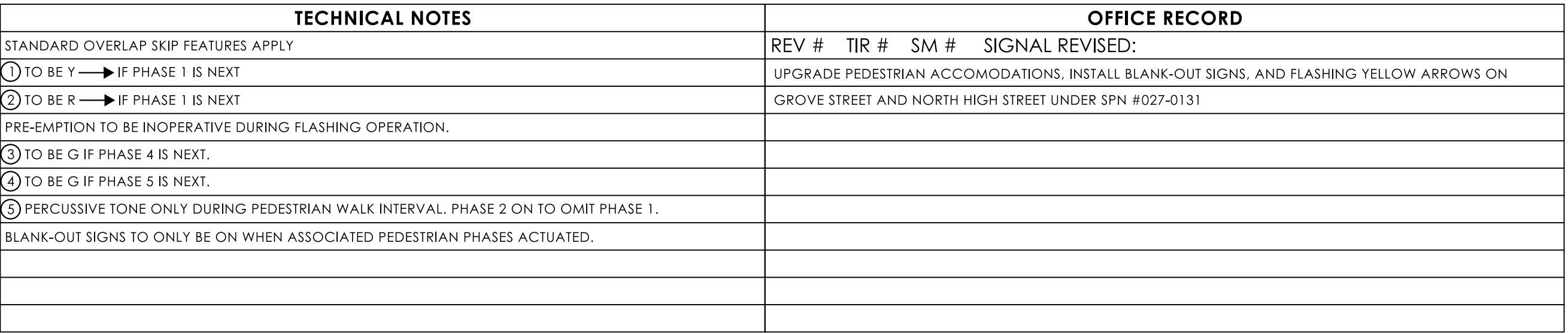
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Drawn: JAD
Reviewed: KPR
Scale: 1"=20'
Project No.: 2401708
Date: 08/01/25
CAD File: RWY240170802

Title: ROADWAY PLAN

Sheet No.

RWY-02





S2, S4, S5, S6
BLANK-OUT SIGN
(DUAL MESSAGE)

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING, EXCEPT AS NOTED
STAKE ALL R.O.W PRIOR TO EXCAVATION.

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

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

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.

CLEAN EXISTING CONDUIT(S). WORK TO BE PAID FOR UNDER ITEM NO. 1008908 - CLEAN EXISTING CONDUIT.

CLEAN EXISTING HANDHOLE (S). WORK TO BE PAID FOR UNDER ITEM NO. 1010060 - CLEAN EXISTING HANDHOLE.

REVISE FACE #3, FACE #4, AND FACE #7 TO FLASHING YELLOW ARROW AS SHOWN.

1. INSTALL NEW 8' PEDESTAL, COUNTDOWN PEDESTRIAN SIGNAL, AND APS ON NEW PEDESTAL FOUNDATION.

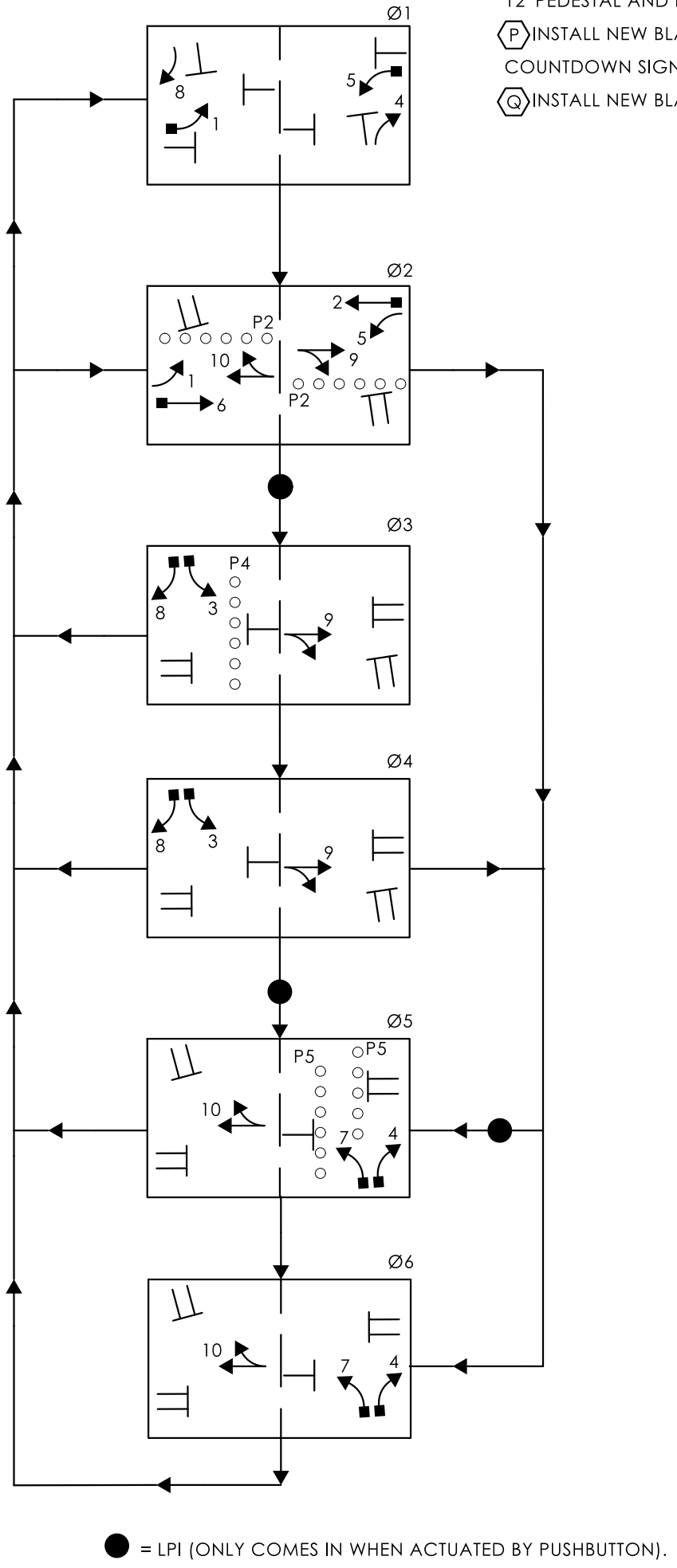
2. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL, PUSH BUTTON, AND APS ON SPAN POLE.

3. REMOVE AND RELOCATE EXISTING COUNTDOWN PEDESTRIAN SIGNAL, 8' PEDESTAL, AND APS ON NEW PEDESTAL FOUNDATION.

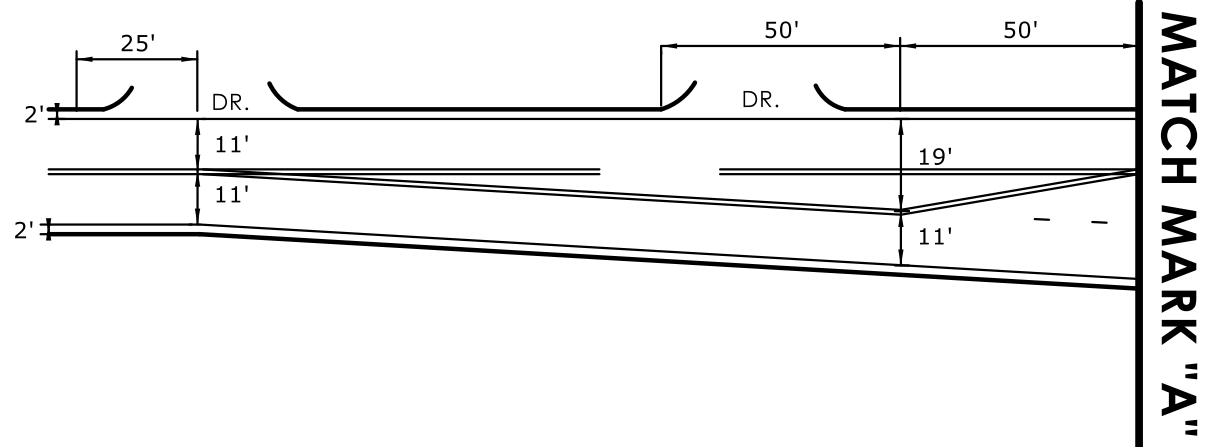
4. INSTALL NEW BLANK-OUT SIGN, COUNTDOWN PEDESTRIAN SIGNAL, AND APS ON NEW 12' PEDESTAL AND FOUNDATION.

5. INSTALL NEW BLANK-OUT SIGN, 12' PEDESTAL ON EXISTING FOUNDATION, RELOCATE EXISTING COUNTDOWN SIGNAL AND APS AT LOCATION SHOWN.

6. INSTALL NEW BLANK-OUT SIGN, 12' PEDESTAL ON NEW FOUNDATION AT LOCATION SHOWN.



PRE-EMPTION SETTINGS		
	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR	8	8
HOLD GREEN	15	15
HOLD YELLOW	3.4	3.4
HOLD RED	1.6	1.0
HOLD PHASE	2	4
EXIT PHASE	4	5
EXIT CALL	NONE	NONE



(A) EXISTING 31-0222 ()

(B) EXISTING WITH 31-0802 ()

(C) EXISTING SPAN MOUNTED 41-0807 ()

(D) EXISTING 31-0290z ()



HORIZONTAL SCALE
1" = 40'

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 027-201
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY TOWN	ADDRESS #
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - SNET 131
APPROVED BY						UNMETERED SERVICE
APPROVED DATE						

LEGEND:	FL FLASHING	RAW DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING	PROPOSED HANDHOLE	IP VIDEO DETECTOR	DETECTION ZONE
R RED	RAR RED ARROW	PROPOSED RMC	EXISTING STEEL SPAN POLE	EXISTING MOUNTED RFRB	EXISTING HANDLE	RADAR DETECTOR	LOOP DETECTOR
Y YELLOW	YAW YELLOW ARROW	EXISTING CMC	EXISTING UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN	PROPOSED CONTROLLER	THERMAL DETECTOR	LOOP ANTENNA
G GREEN	GAR GREEN ARROW	CABLE CLOSURE	EXISTING UTILITY POLE	APPELATION ARW. FOR PUSH BUTTON	EXISTING CONTROLLER	AUDIO DETECTOR	POLE ANCHOR
	WWP WALK / PED. CLR	VIDEO CAMERA CABLE	EXISTING WOOD SPAN POLE	PEDESTRIAN SIGNAL FACE	AUXILIARY EQUIPMENT CABINET	360° CAMERA ASSEMBLY	
	DNW DON'T WALK	RC RADAR CABLE		TRAFFIC SIGNAL FACE	OPTICAL DETECTOR	VIDEO THERMAL DETECTOR	



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

U.S ROUTE 1 (WEST MAIN STREET) AT NORTH HIGH STREET AND GROVE STREET

TOWN(S): **CLINTON**

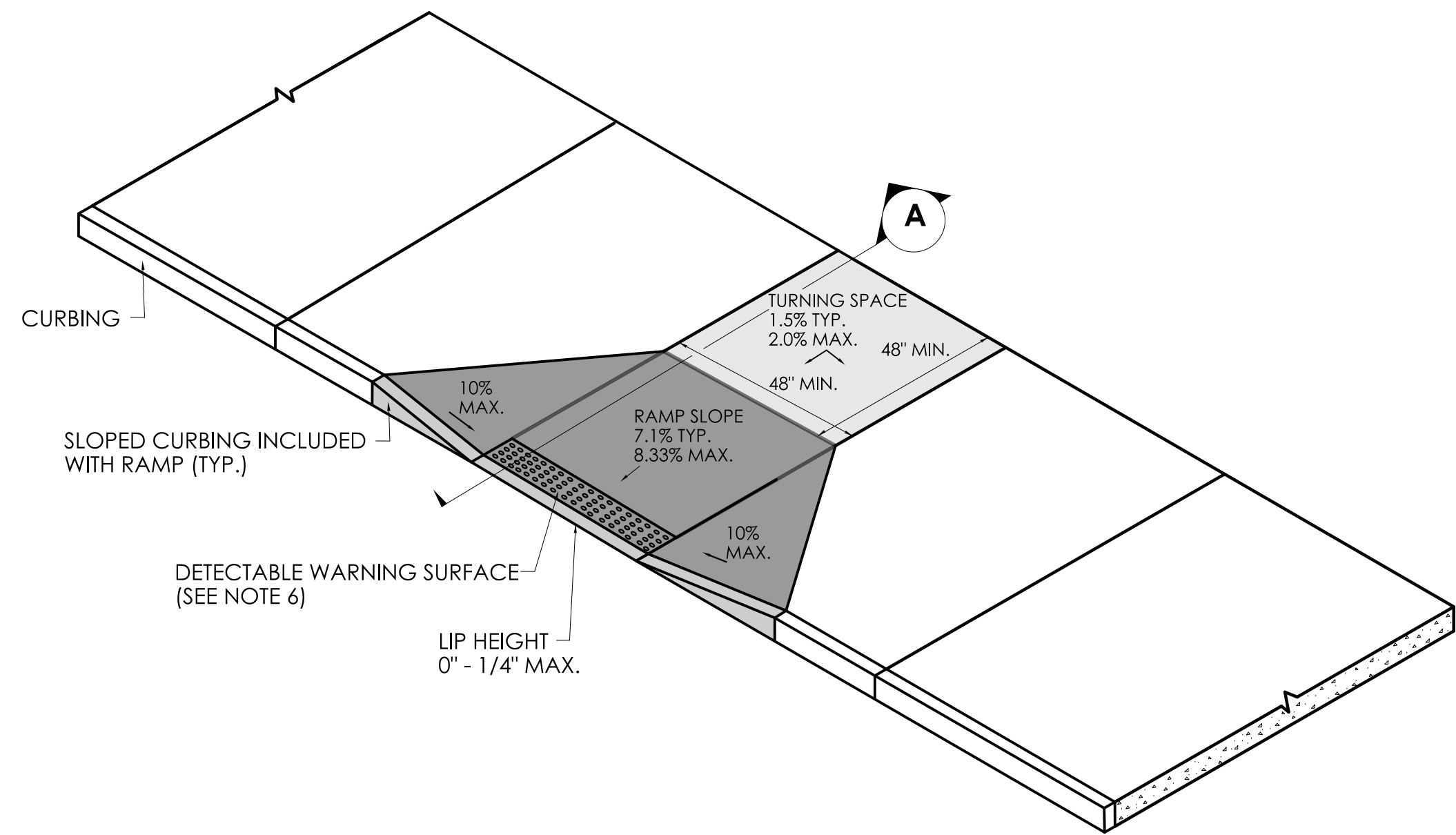
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**TRAFFIC CONTROL
SIGNAL PLAN**

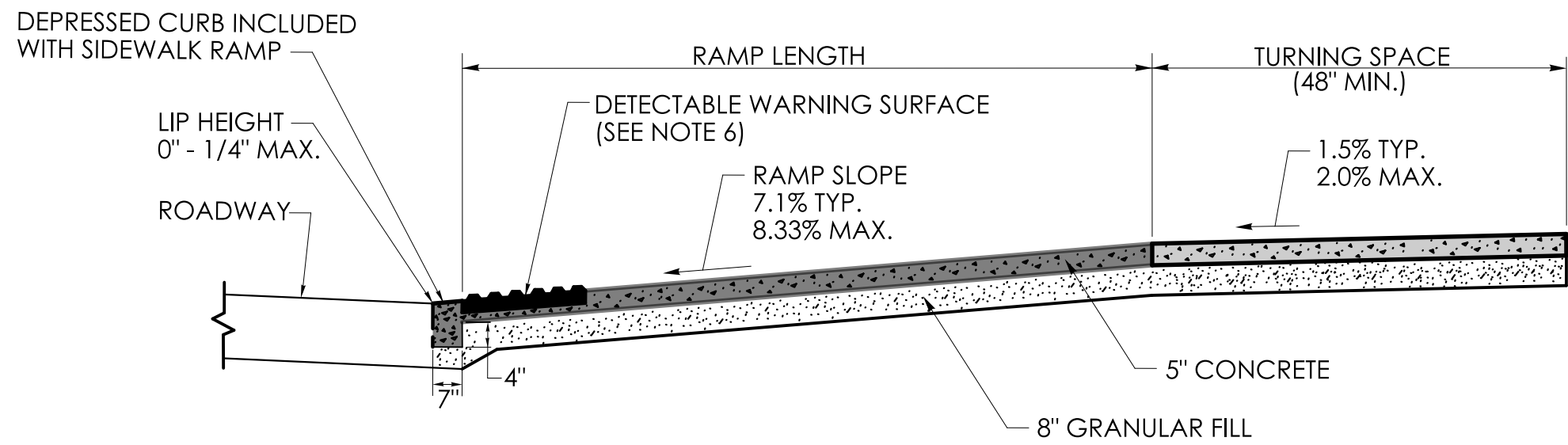
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TCS-01

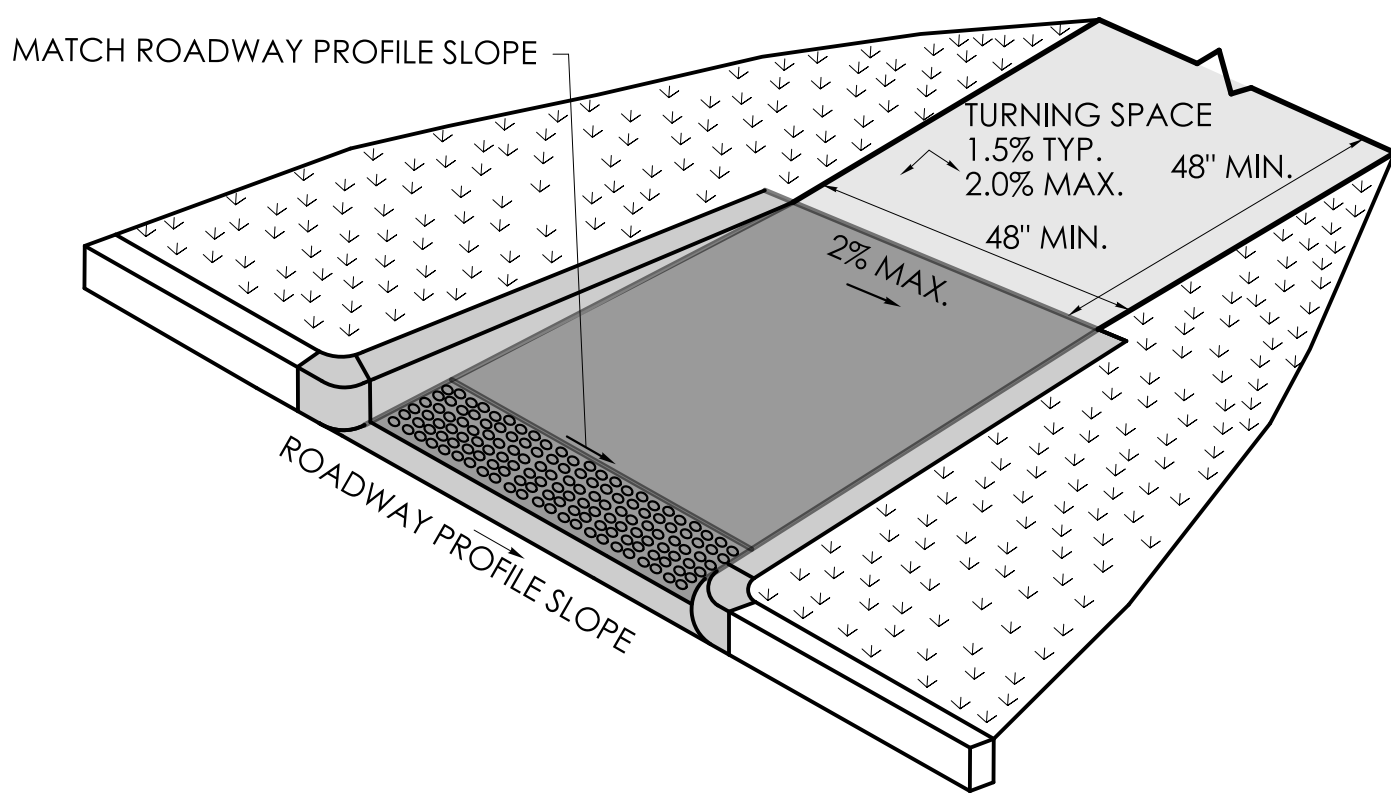
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PLOTTED DATE: 8/1/2025



PERPENDICULAR SIDEWALK RAMP
AND SECTION

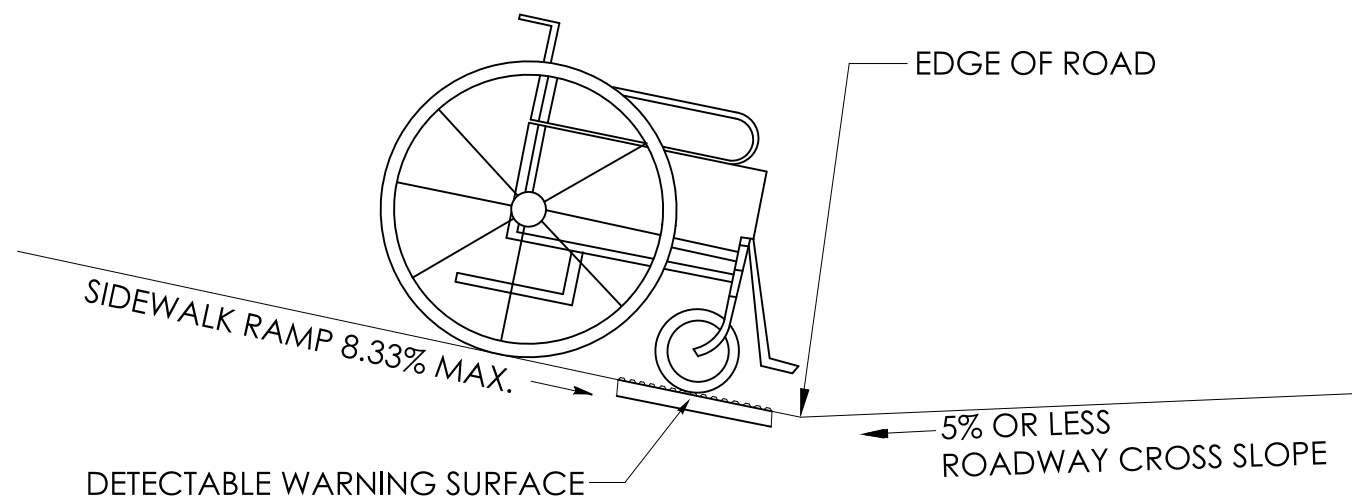


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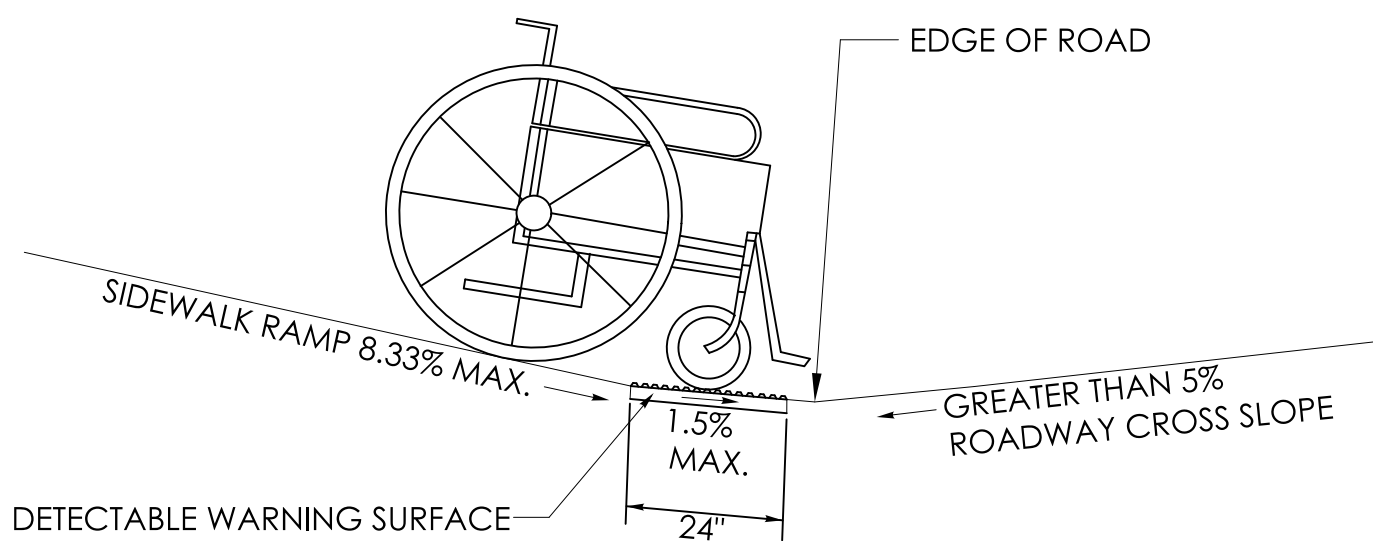


RAMP WARPING DETAIL

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



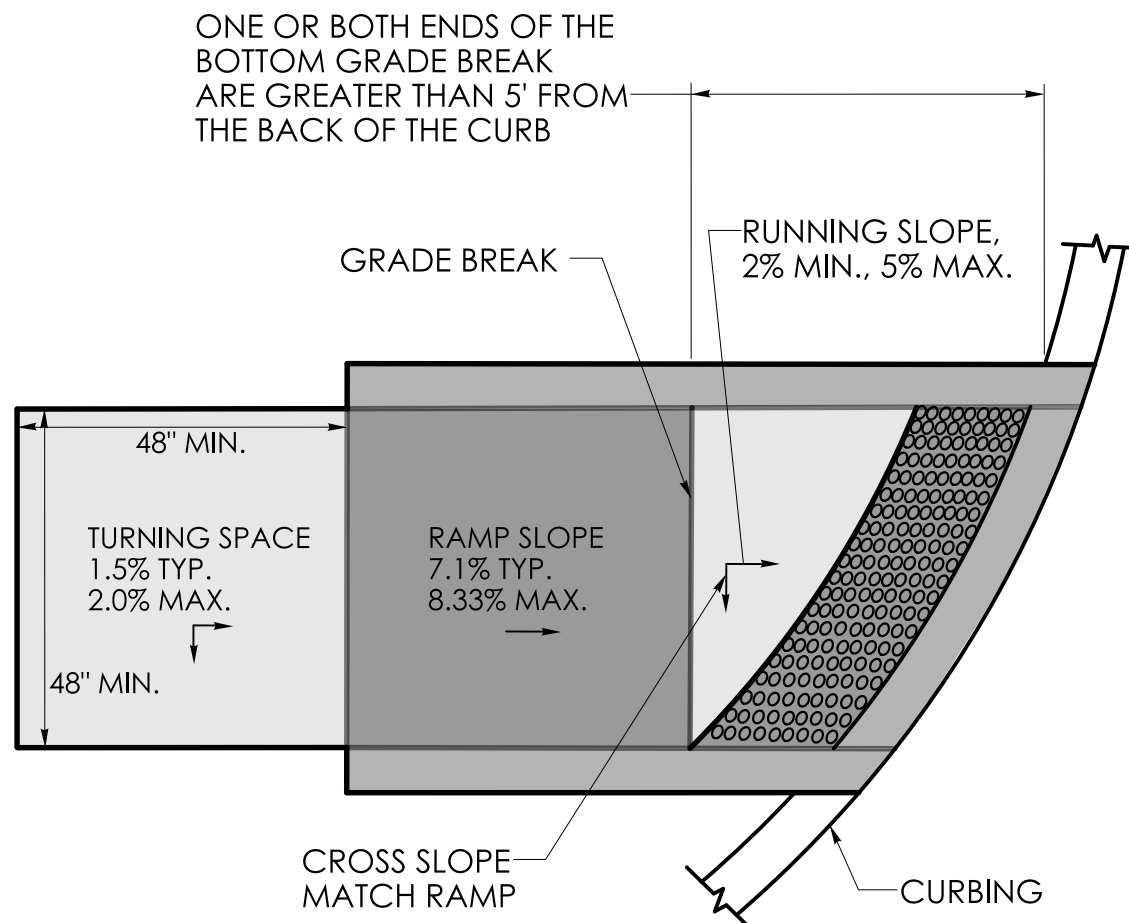
SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF 5% OR LESS
GUTTER COUNTER SLOPE



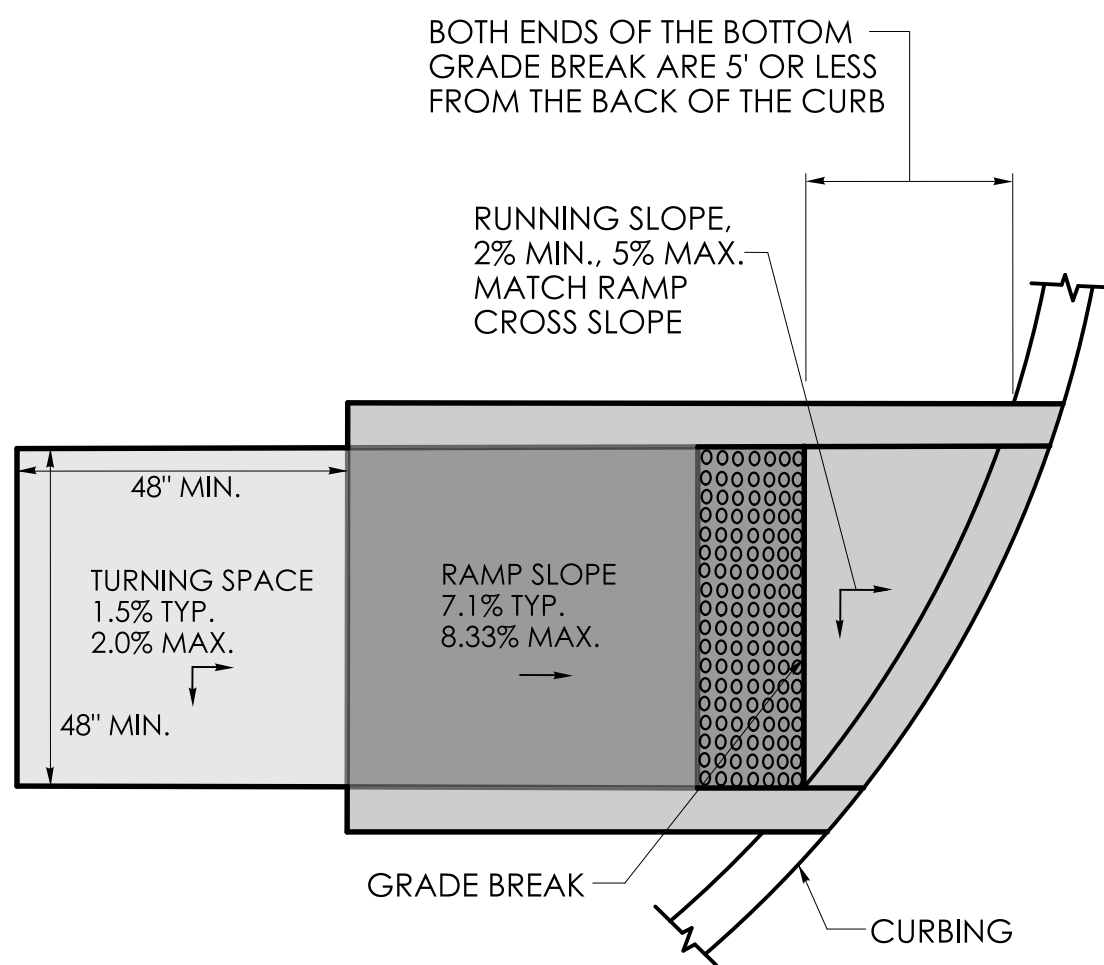
SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF GREATER THAN 5%
GUTTER COUNTER SLOPE

GENERAL NOTES:

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



GRADE BREAK GREATER THAN 5'
DETECTABLE WARNING SURFACE LOCATION



GRADE BREAK OF 5' OR LESS
DETECTABLE WARNING SURFACE LOCATION

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	
DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

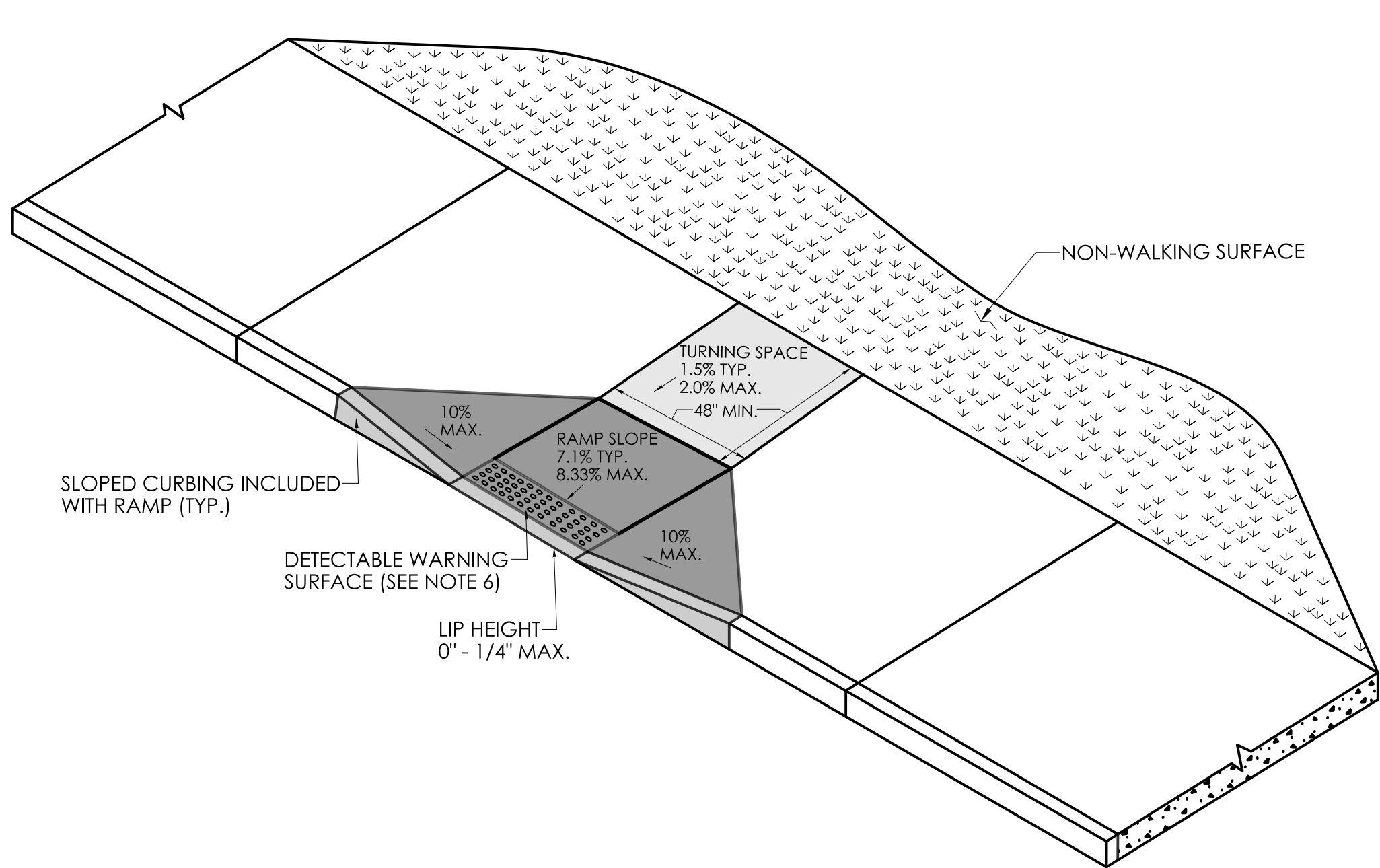
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TOWN(S):	VARIOUS
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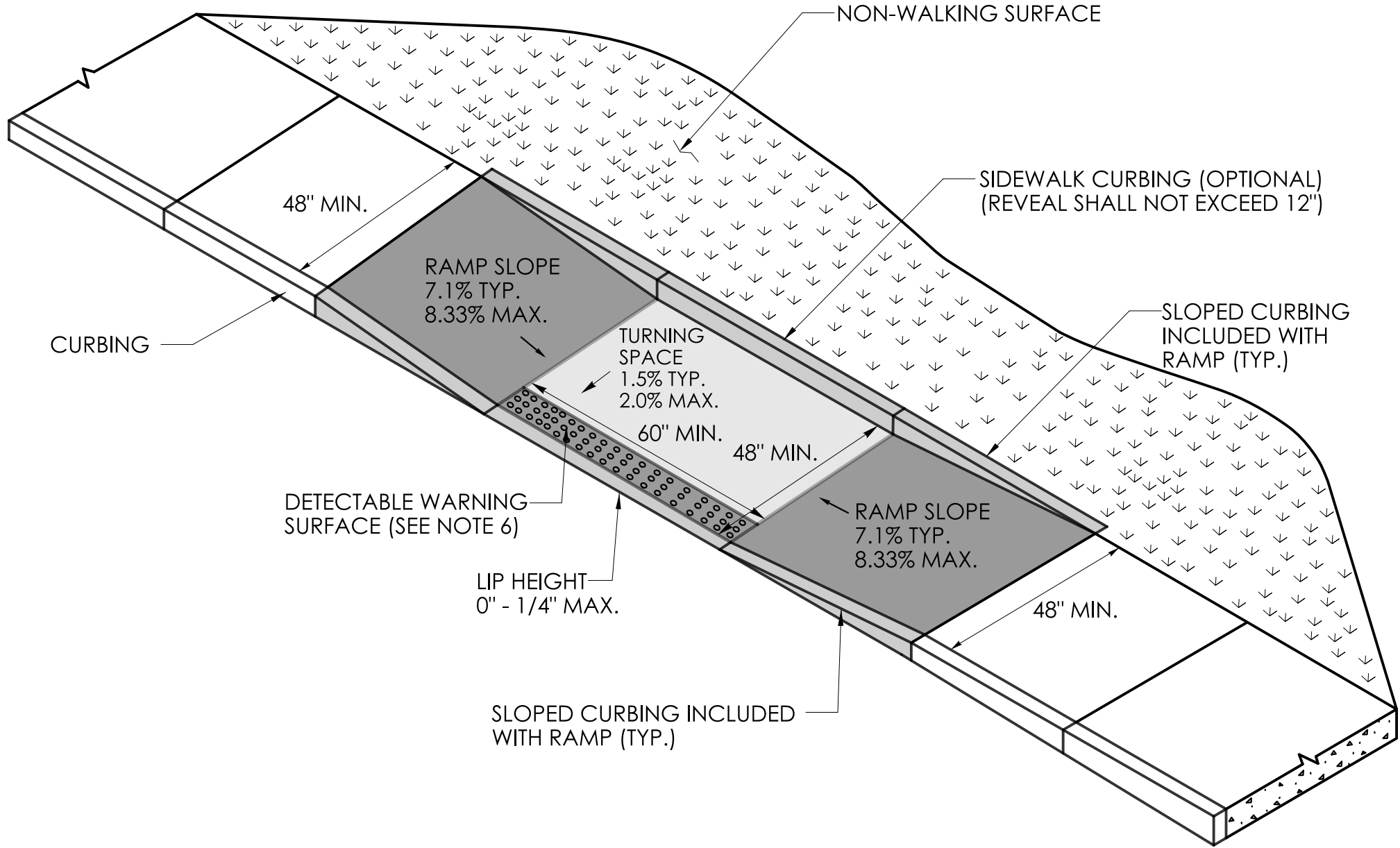
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PROJECT NO.:	DRAWING NO.:
	SHEET NO.:

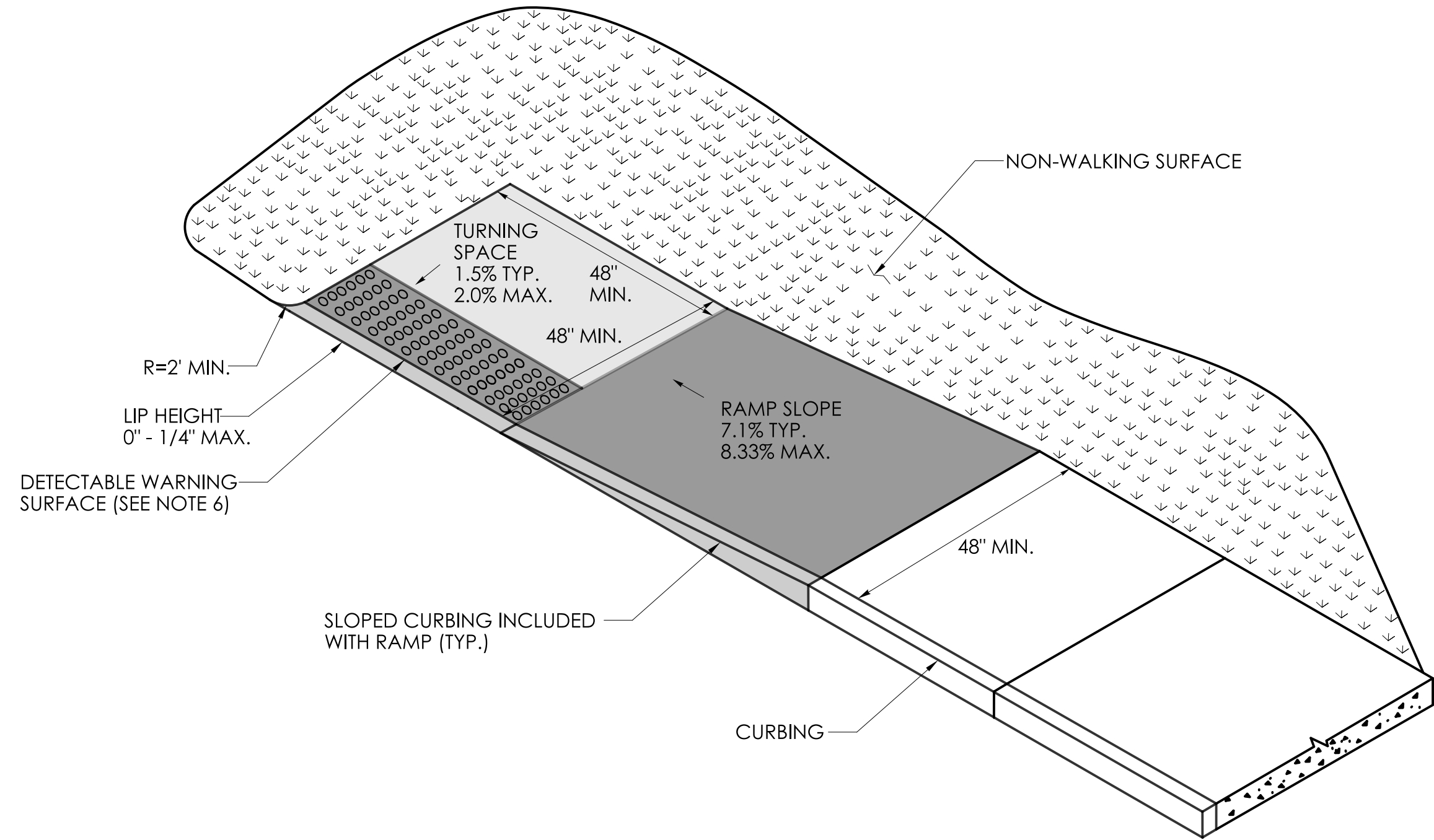
- GENERAL NOTES:**
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
 4. THE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



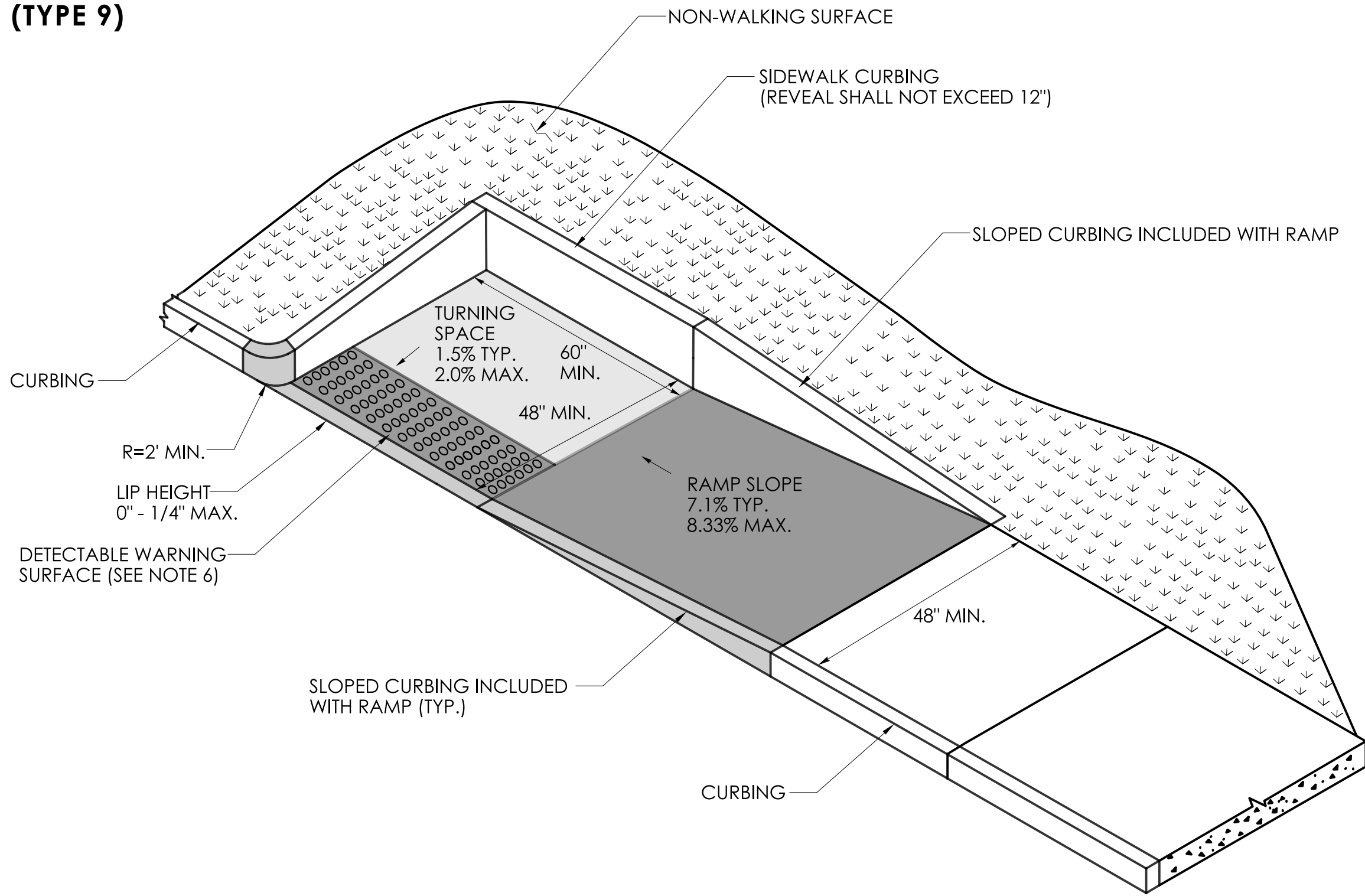
**PERPENDICULAR RAMP
WITH 48" BY-PASS
(TYPE 8)**



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



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



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

REV.	DATE	REVISION DESCRIPTION

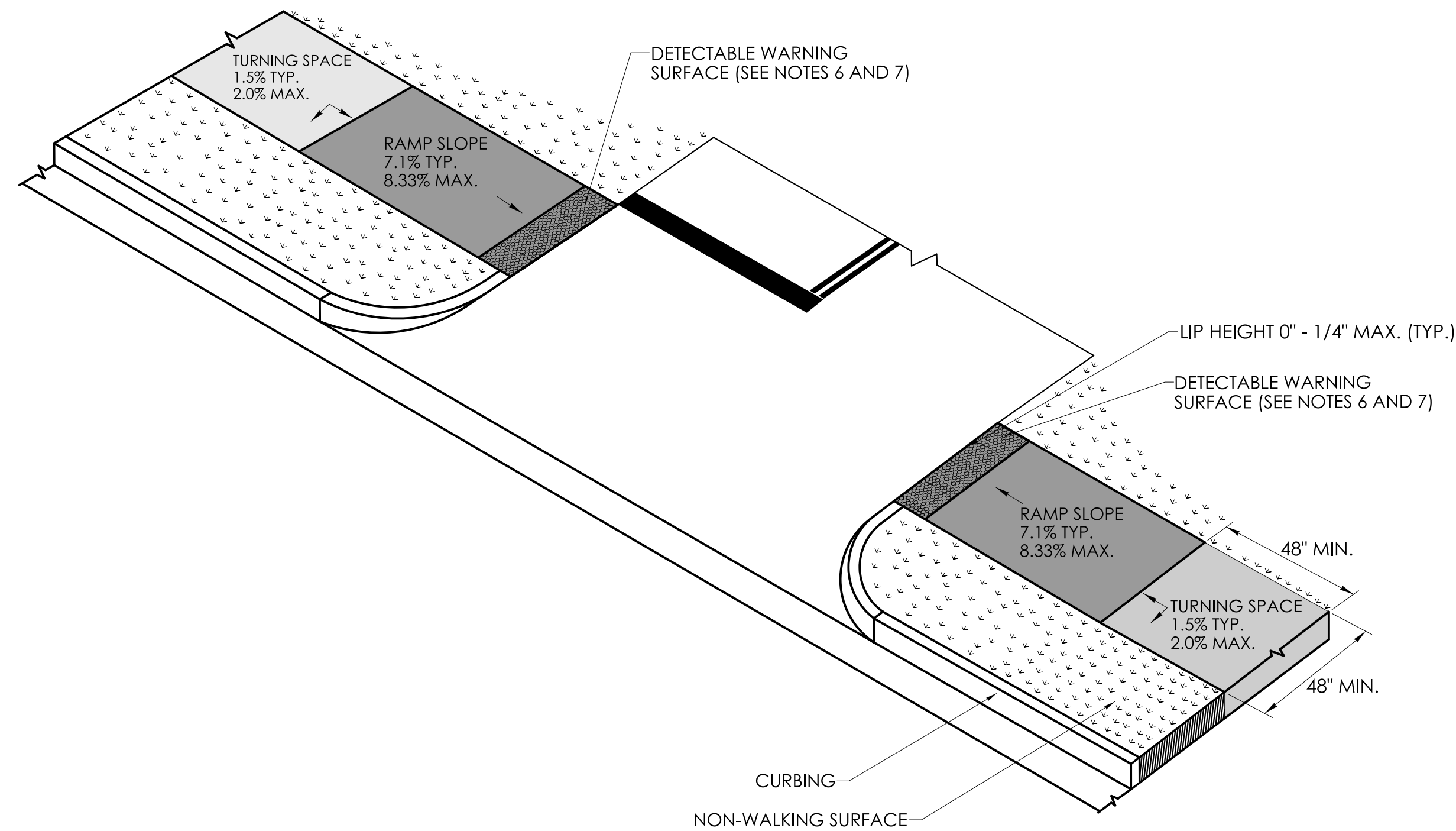
SIGNATURE BLOCK:	
DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

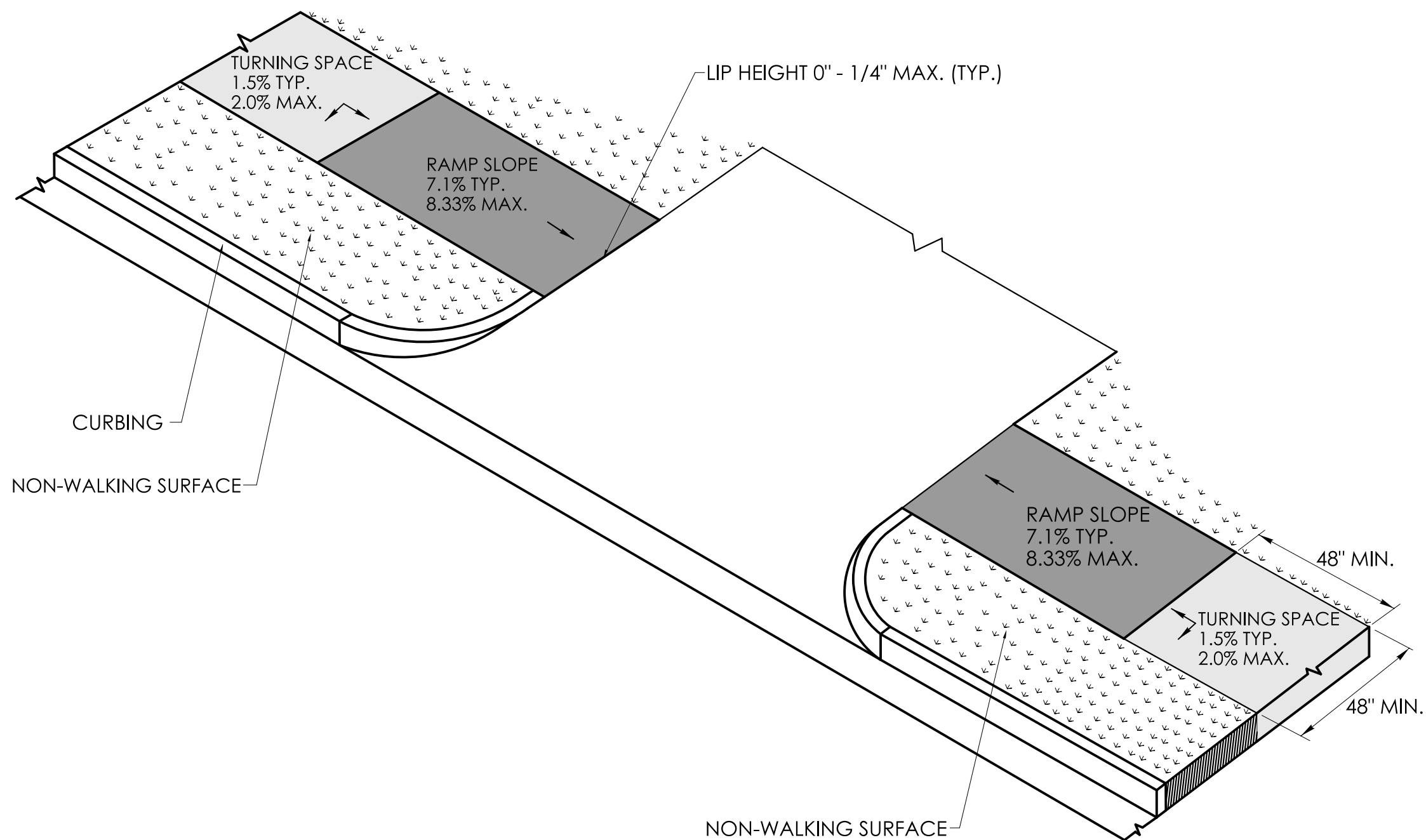
PROJECT TITLE:	TEST PROJECT
TOWN(S):	VARIOUS

DRAWING TITLE:	CONCRETE SIDEWALK RAMPS SHEET 4 OF 11
PROJECT NO.:	
DRAWING NO.:	
SHEET NO.:	



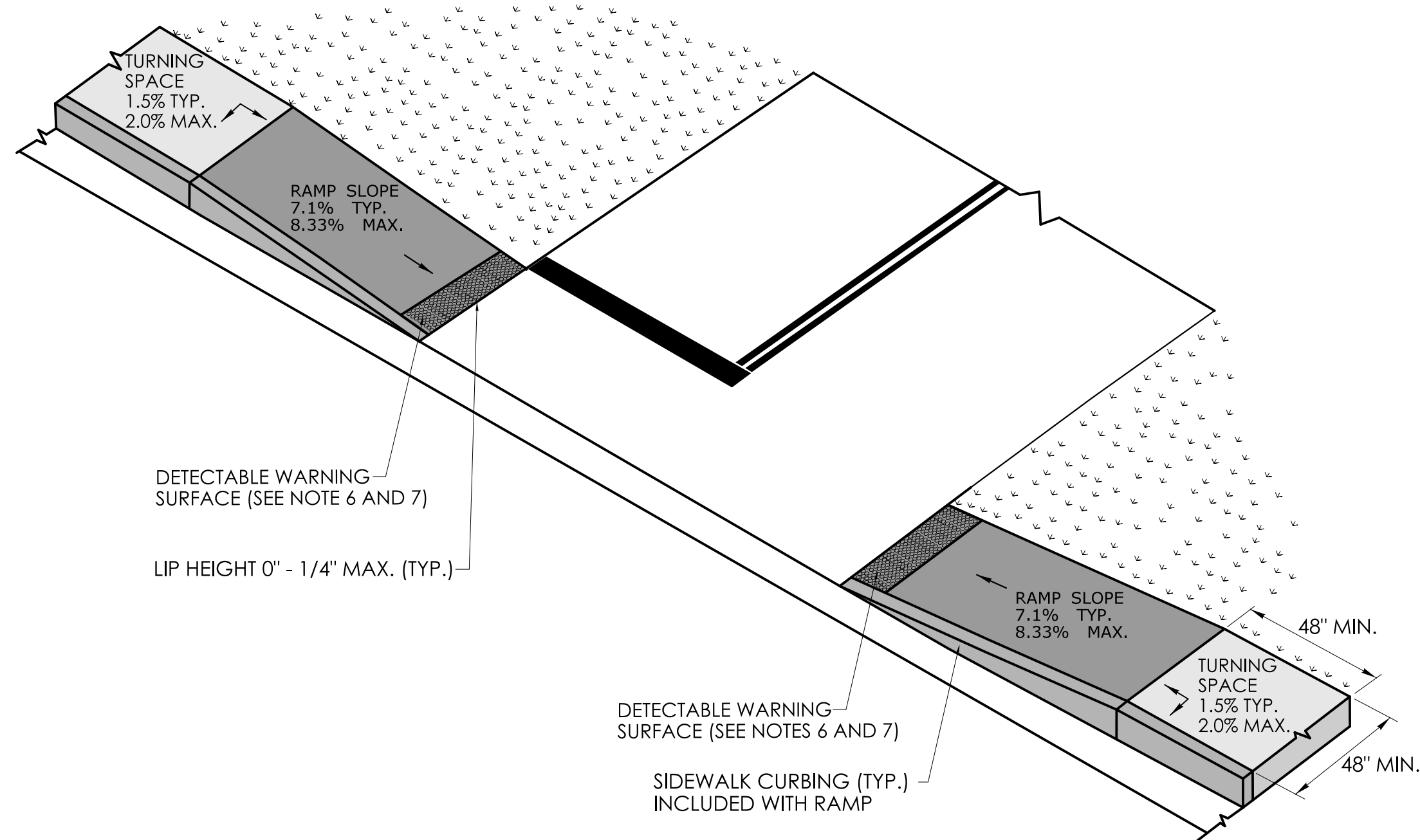
DRIVEWAY CROSSING SIGNALIZED, STOP CONTROLLED OR YIELD
WITH DETECTABLE WARNING SURFACE AND NON WALKING SURFACE

(TYPE 29)



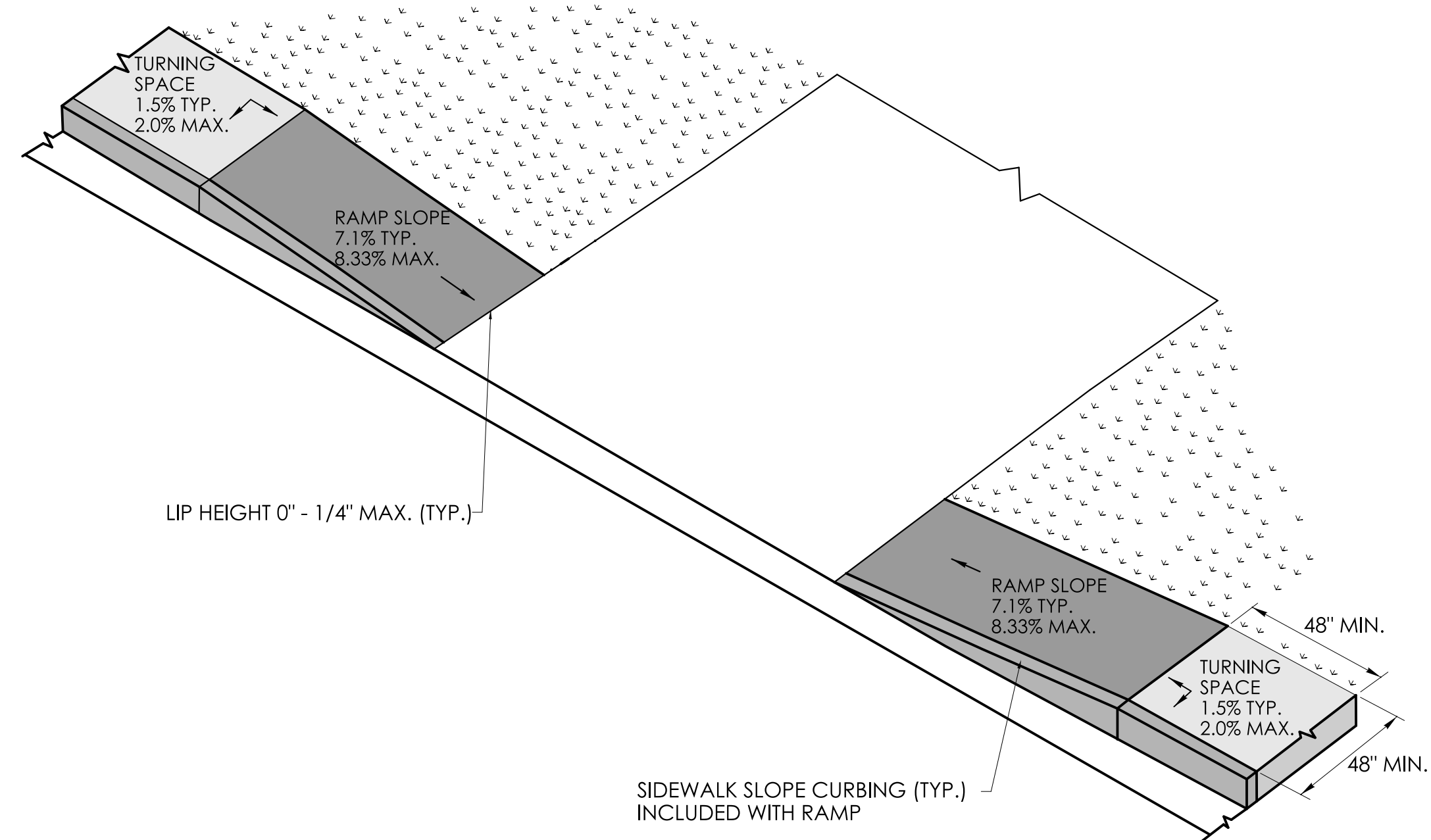
UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING
WITH NON WALKING SURFACE

(TYPE 30)



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

(TYPE 31)



UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING

(TYPE 32)

GENERAL NOTES:

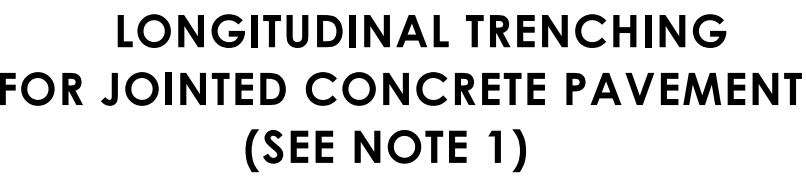
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE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

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:			PROJECT TITLE:	TOWN(S):	DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
DESIGNER/DRAFTER:	CHECKED BY:	CONNECTICUT DEPARTMENT OF TRANSPORTATION	TEST PROJECT	VARIOUS	CONCRETE SIDEWALK RAMPS SHEET 11 OF 11		SHEET NO.:



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



SIGNATURE BLOCK:	
DESIGNER/DRAFTER:	CHECKED BY:



TEST PROJECT

VARIOUS

PAVEMENT REPAIR

SHEET NO.:

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-211_01	ANTI-TRACKING PAD	11-09-22
	HW-286_01	DRAINAGE TRENCH EXCAVATION	11-09-22
	HW-505_01a	STRAIGHT ENDWALLS	01-21-25
	HW-505_01b	STEEL REINFORCING FOR STRAIGHT ENDWALLS (2" DIFF BASE TO FLOW LINE)	01-05-24
	HW-505_01c	STEEL REINFORCING FOR STRAIGHT ENDWALLS (STANDARD RIPRAP APPLICATION)	01-05-24
	HW-505_02	TYPE "D-G" & "L" ENDWALLS	01-05-24
	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" STRUCTURES	01-05-24
	HW-586_02	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I STRUCTURES	01-05-24
	HW-586_03	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II STRUCTURES	01-05-24
	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	10-17-24
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	10-17-24
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	10-17-24
	HW-586_07a	CATCH BASIN TYPE "C" AND "C-L" TOPS	01-05-24
	HW-586_07b	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE I TOPS	11-09-22
	HW-586_07c	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE II TOPS	11-08-22
	HW-586_07d	CATCH BASIN TYPE "C-G" AND "C-M" BARRIER CURB TOPS	11-09-22
	HW-586_08	CATCH BASIN FRAMES AND GRATES	11-09-22
	HW-586_09	CATCH BASIN LOCK DOWN TOPS	11-09-22
	HW-586_10a	MANHOLE FRAME AND COVER	01-05-24
	HW-586_10b	MANHOLE FRAME AND GRATE	01-05-24
	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	11-08-22
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	11-08-22
	HW-686_01a	CONCRETE PIPE CONNECTION SHEET 1	11-08-22
	HW-686_01b	CONCRETE PIPE CONNECTION SHEET 2	11-08-22
	HW-686_02a	DRAINANGE PIPE ENDS SHEET 1 [CORRUGATED METAL PIPE]	11-08-22
	HW-686_02b	DRAINAGE PIPE ENDS SHEET 2 [CONCRETE PIPE]	11-08-22
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	10-17-24
	HW-803_01	PAVED APRONS	11-08-22
	HW-811_01	CONCRETE CURBING	11-08-22
	HW-813_01	GRANITE STONE TRANSITION CURBING	11-08-22
	HW-813_02	STONE CURBING	11-08-22
	HW-815_01	BITUMINOUS CONCRETE CURBING	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_01a	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_01b	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_01c	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	11-08-22
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	11-08-22
	HW-821_03a	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_03b	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_03c	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_03d	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 4	11-08-22
	HW-821_03e	TRANSITION - 32" JERSEY SHAPE TO 45" F-SHAPE	11-08-22
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	11-08-22
	HW-821_04b	MERRITT PARKWAY - 2' WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	11-08-22
	HW-821_05a	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_05b	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_06	54" VERTICAL SHAPE BARRIER	11-08-22
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	11-08-22
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	10-17-24
	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	11-08-22
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	11-08-22
	HW-821_10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM REINF.	11-08-22
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	01-05-24
	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	01-05-24
	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	11-08-22
	HW-822_02a	TEMPORARY TRAFFIC BARRIER - DETAILS	11-08-22
	HW-822_02b	TEMPORARY TRAFFIC BARRIER (BOLTED)	01-23-25
	HW-822_02c	TEMPORARY TRAFFIC BARRIER & TEMPORARY TRAFFIC BARRIER (PINNED)	01-23-25
	HW-905_01	STONE WALL FENCE	11-09-22
	HW-906_01	WIRE FENCE	11-08-22

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	11-08-22
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	11-08-22
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	11-08-22
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	11-08-22
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	11-08-22
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	11-08-22
	HW-910 09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	11-08-22
	HW-910 09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	11-08-22
	HW-910 10	METAL BEAM RAIL 8" x 6" BOX BEAM	11-08-22
	HW-910 11	CURVED GUIDERAIL TREATMENT DETAIL	11-08-22
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	11-08-22
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	11-08-22
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	11-02-22
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	10-17-24
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_13b	THRIE-BEAM TRANSITIONS	11-08-22
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	11-08-22
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	11-08-22
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	11-08-22
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	11-08-22
	HW-910_17	R-B TERMINAL SECTION	11-08-22
	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	11-08-22
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	10-17-24
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	10-17-24
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	11-08-22
	HW-910_20	MASH W-BEAM HARDWARE	10-17-24
	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	01-05-24
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	11-08-22
	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	11-08-22
	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_25a	METAL BEAM RAIL TRANSITION 350 TO MASH	10-17-24
	HW-910_25b	METAL BEAM RAIL MEDIAN APPLICATION TRANSITION 350 TO MASH GUIDERAIL	01-05-24
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	11-08-22
	HW-910_27	THRIE-BEAM ATTACHMENT	11-08-22
	HW-910_29	THRIE-BEAM BRIDGE ATTACHMENT TRAILING END	02-02-24
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	10-17-24
	HW-911_02	MD-B END ANCHORAGE TYPE I	10-17-24
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	01-05-24
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	11-08-22
	HW-913_01a	CHAIN LINK FENCE	11-08-22
	HW-913_01b	CHAIN LINK FENCE HARDWARE	11-08-22
	HW-913_02	CHAIN LINK FENCE GATES	11-08-22
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	11-08-22
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	11-08-22
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	11-08-22
	HW-921_01	CONCRETE SIDEWALKS	11-08-22
	HW-922_01	BITUMINOUS CONCRETE SIDEWALK AND BITUMINOUS CONCRETE DRIVEWAY	11-08-22
	HW-924_01	CONCRETE DRIVEWAY RAMPS	10-17-24
	HW-930_01	OBJECT MARKER (MAINTENANCE)	10-17-24
	HW-949_01a	LANDSCAPE PLANTING	11-09-22
	HW-949_01b	TREE STAKING	11-02-22
	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	10-17-24
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	10-17-24