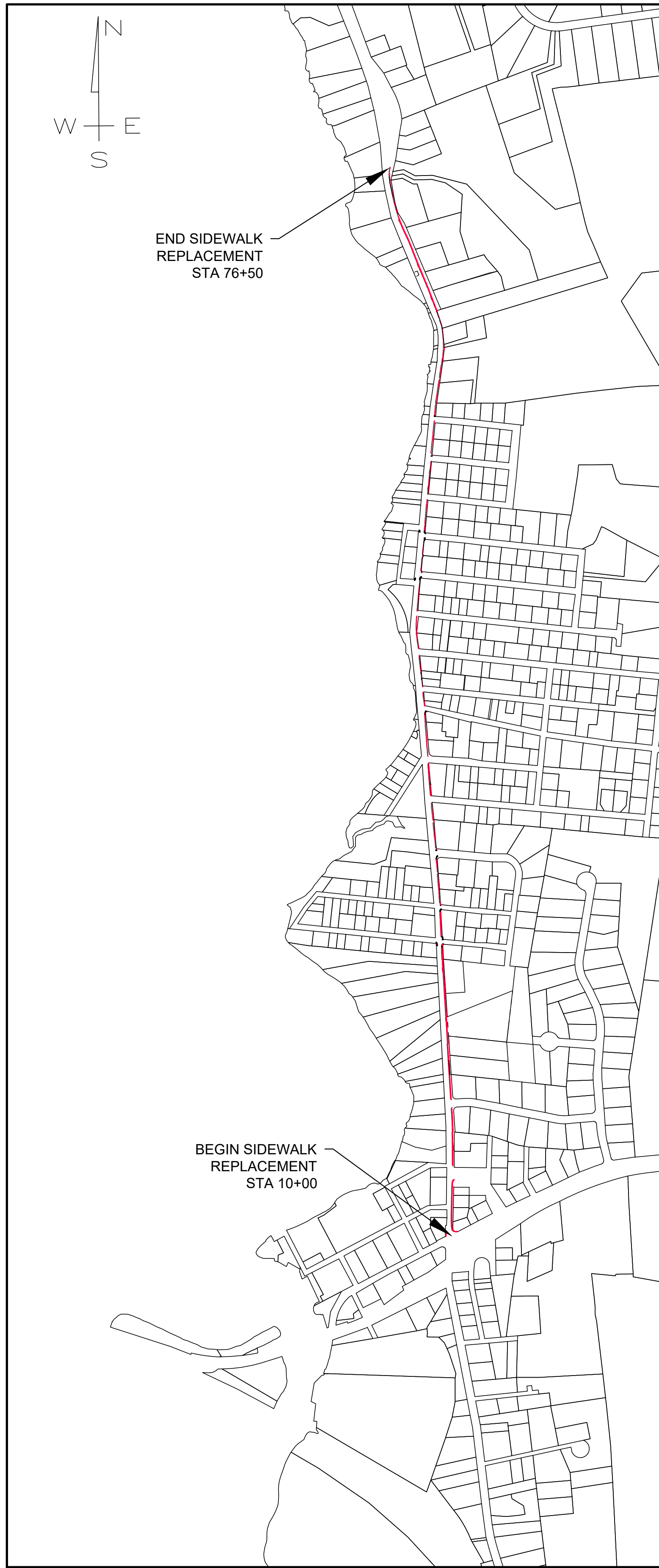
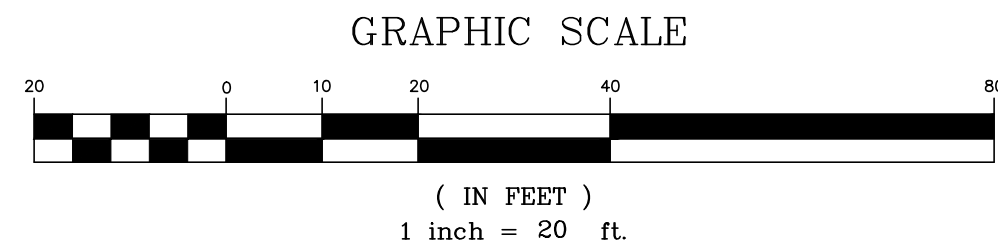
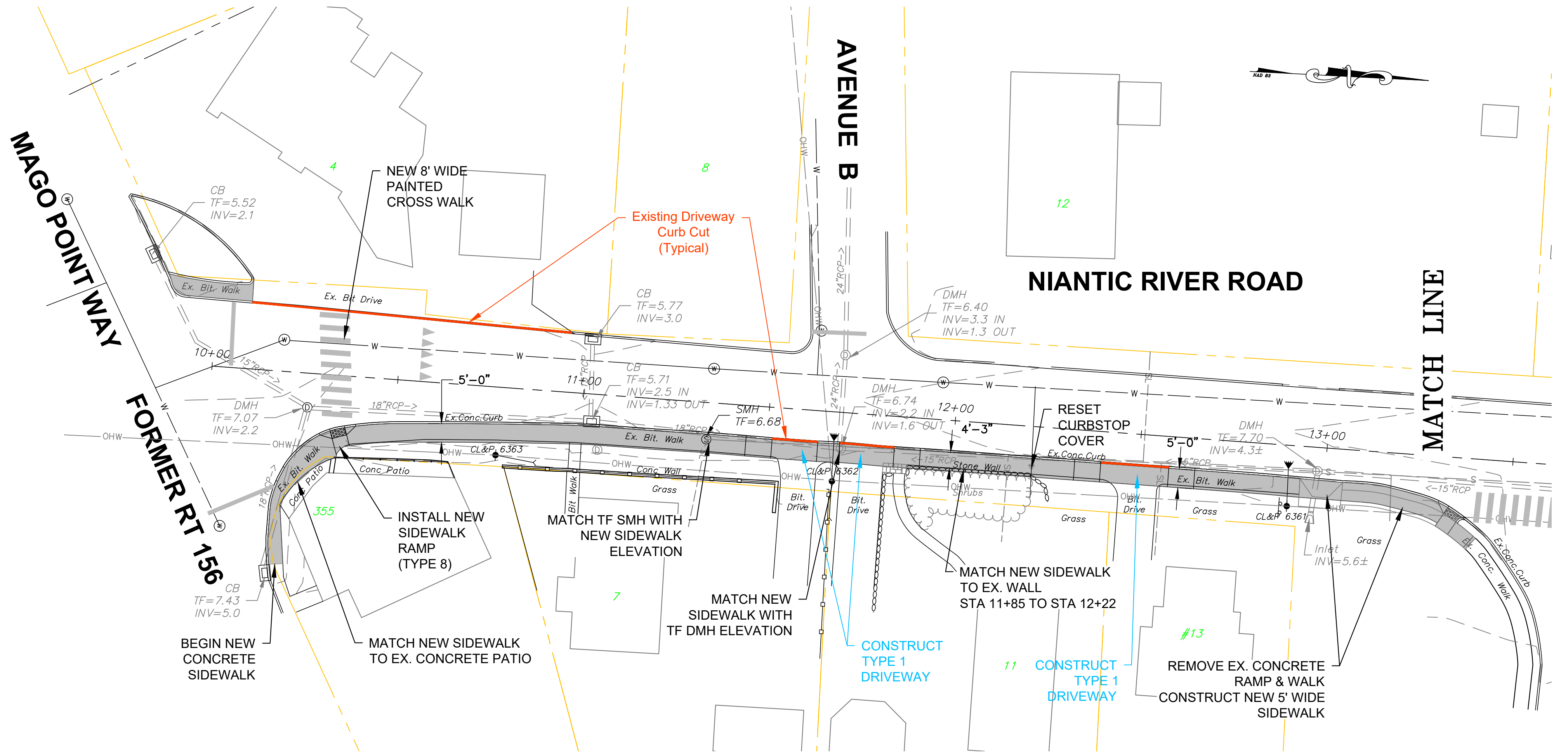


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LOCATION MAP
SCALE: 1"=500'

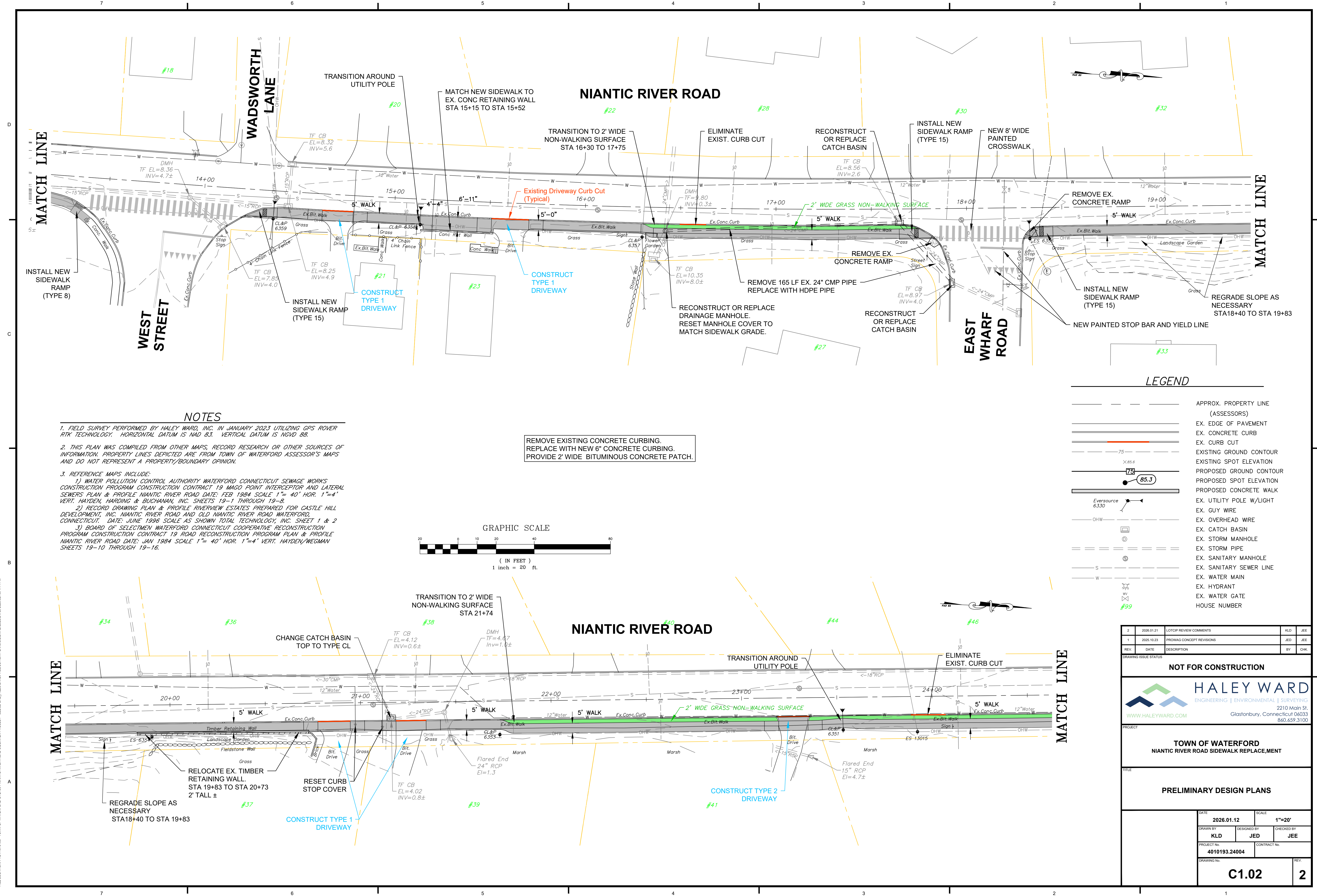


- NOTES**
1. FIELD SURVEY PERFORMED BY HALEY WARD, INC. IN JANUARY 2023 UTILIZING GPS ROVER RTK TECHNOLOGY. HORIZONTAL DATUM IS NAD 83. VERTICAL DATUM IS NGVD 88.
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 - 2) RECORD DRAWING PLAN & PROFILE RIVERVIEW ESTATES PREPARED FOR CASTLE HILL DEVELOPMENT, INC. NIANTIC RIVER ROAD AND OLD NIANTIC RIVER ROAD WATERFORD, CONNECTICUT. DATE: JUNE 1996 SCALE AS SHOWN TOTAL TECHNOLOGY, INC. SHEET 1 & 2
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LEGEND	
	APPROX. PROPERTY LINE (ASSESSORS)
	EX. EDGE OF PAVEMENT
	EX. CONCRETE CURB
	EX. CURB CUT
	EXISTING GROUND CONTOUR
	PROPOSED GROUND CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED CONCRETE WALK
	EX. UTILITY POLE W/LIGHT
	EX. GUY WIRE
	EX. OVERHEAD WIRE
	EX. CATCH BASIN
	EX. STORM MANHOLE
	EX. STORM PIPE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER LINE
	EX. WATER MAIN
	EX. HYDRANT
	EX. WATER GATE
	HOUSE NUMBER

2	2026.01.21	LOT/CP REVIEW COMMENTS		KLD	JEE
1	2025.10.23	PROWAG CONCEPT REVISIONS		JED	JEE
REV.	DATE	DESCRIPTION		BY	CHK.
DRAWING ISSUE STATUS					
NOT FOR CONSTRUCTION					
 WWW.HALEYWARD.COM HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main St. Glastonbury, Connecticut 06033 860.659.3100					
PROJECT					
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACEMENT					
TITLE					
PRELIMINARY DESIGN PLANS					
		DATE		SCALE	
		2026.01.12		1"=20'	
		DRAWN BY		DESIGNED BY	CHECKED BY
		KLD		JED	JEE
		PROJECT No.		CONTRACT No.	
		4010193.24004			
DRAWING No.				REV.	
C1.01				2	

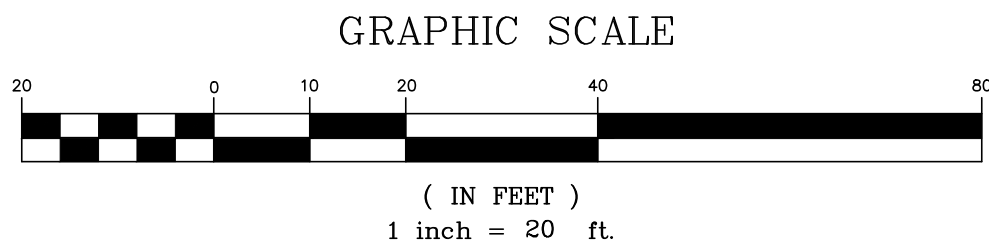
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NOTES

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REMOVE EXISTING CONCRETE CURBING.
REPLACE WITH NEW 6" CONCRETE CURBING.
PROVIDE 2' WIDE BITUMINOUS CONCRETE PATCH.



LEGEND

- APPROX. PROPERTY LINE (ASSESSORS)
- EX. EDGE OF PAVEMENT
- EX. CONCRETE CURB
- EX. CURB CUT
- EXISTING GROUND CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED GROUND CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED CONCRETE WALK
- EX. UTILITY POLE W/LIGHT
- EX. GUY WIRE
- EX. OVERHEAD WIRE
- EX. CATCH BASIN
- EX. STORM MANHOLE
- EX. STORM PIPE
- EX. SANITARY MANHOLE
- EX. SANITARY SEWER LINE
- EX. WATER MAIN
- EX. HYDRANT
- EX. WATER GATE
- HOUSE NUMBER

2	2026.01.21	LOT/CP REVIEW COMMENTS	KLD	JEE
1	2025.10.23	PROWAG CONCEPT REVISIONS	JED	JEE
REV.	DATE	DESCRIPTION	BY	CHK.

DRAWING ISSUE STATUS

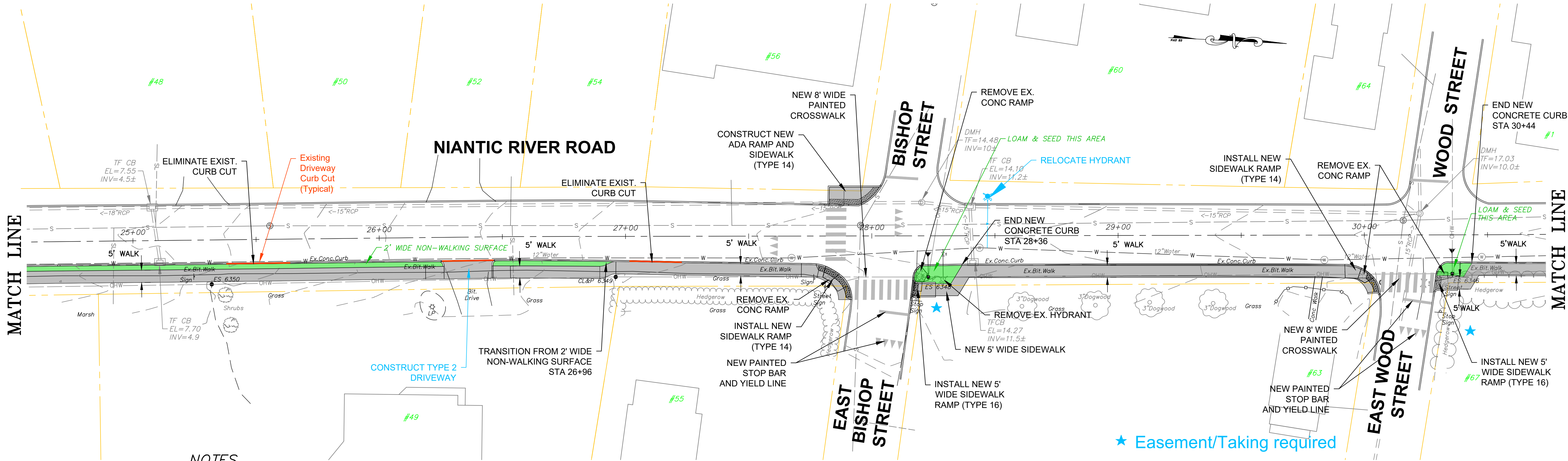
NOT FOR CONSTRUCTION

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
2210 Main St.
Glastonbury, Connecticut 06033
860.659.3100

PROJECT
TOWN OF WATERFORD
NIANTIC RIVER ROAD SIDEWALK REPLACEMENT

TITLE
PRELIMINARY DESIGN PLANS

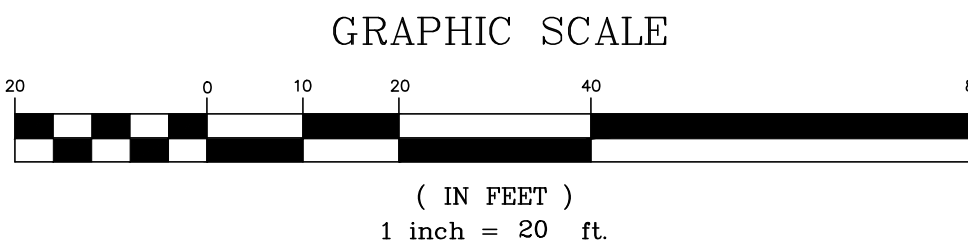
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DRAWN BY	KLD	DESIGNED BY	JED
CHECKED BY	JEE	PROJECT No.	4010193.24004
CONTRACT No.		DRAWING No.	C1.02
REV.			2



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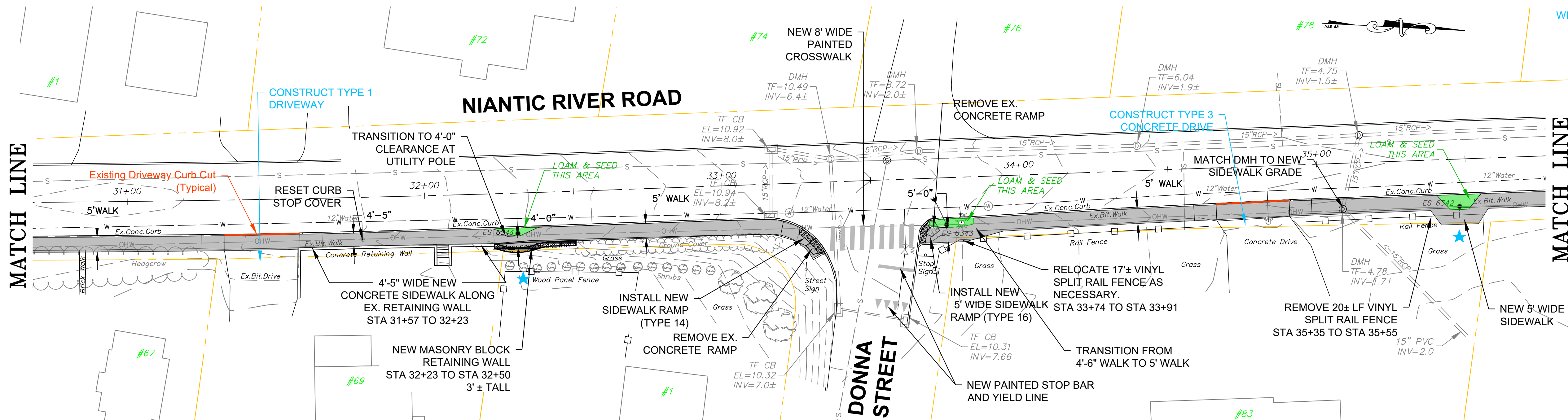
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REMOVE EXISTING CONCRETE CURBING.
REPLACE WITH NEW 6" CONCRETE CURBING.
PROVIDE 2' WIDE BITUMINOUS CONCRETE PATCH.



LEGEND

	APPROX. PROPERTY LINE (ASSESSORS)
	EX. EDGE OF PAVEMENT
	EX. CONCRETE CURB
	EX. CURB CUT
	EXISTING GROUND CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED GROUND CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED CONCRETE WALK
	EX. UTILITY POLE W/LIGHT
	EX. GUY WIRE
	EX. OVERHEAD WIRE
	EX. CATCH BASIN
	EX. STORM MANHOLE
	EX. STORM PIPE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER LINE
	EX. WATER MAIN
	EX. HYDRANT
	EX. WATER GATE
	HOUSE NUMBER



2	2025.01.21	LOT/CP REVIEW COMMENTS	KLD	JEE
1	2025.10.23	PROWAG CONCEPT REVISIONS	JED	JEE
REV	DATE	DESCRIPTION	BY	CHK.

DRAWING ISSUE STATUS

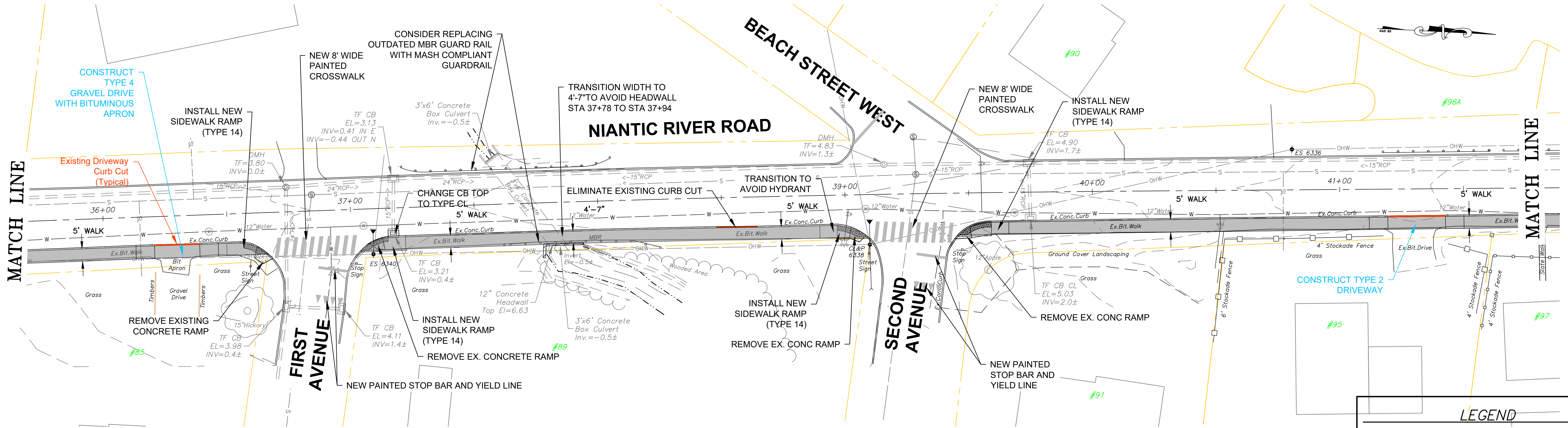
NOT FOR CONSTRUCTION

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
2210 Main St.
Glastonbury, Connecticut 06033
860.659.3100
WWW.HALEYWARD.COM

TOWN OF WATERFORD
NIANTIC RIVER ROAD SIDEWALK REPLACEMENT

PRELIMINARY DESIGN PLANS

DATE	2026.01.12	SCALE	1"=20'
DRAWN BY	KLD	DESIGNED BY	JED
CHECKED BY	JEE	CONTRACT NO.	4010193.24004
PROJECT NO.	4010193.24004	CONTRACT NO.	4010193.24004
DRAWING NO.	C1.03	REV.	2

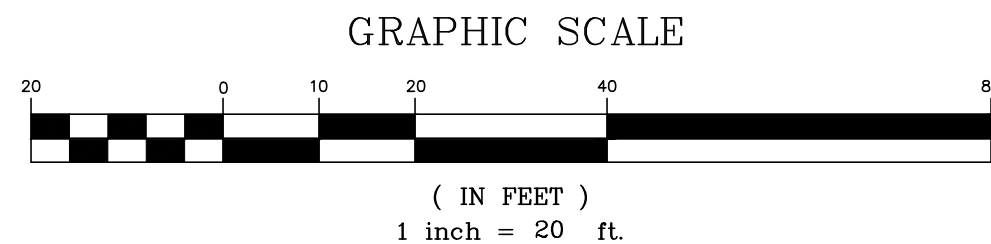


NOTES

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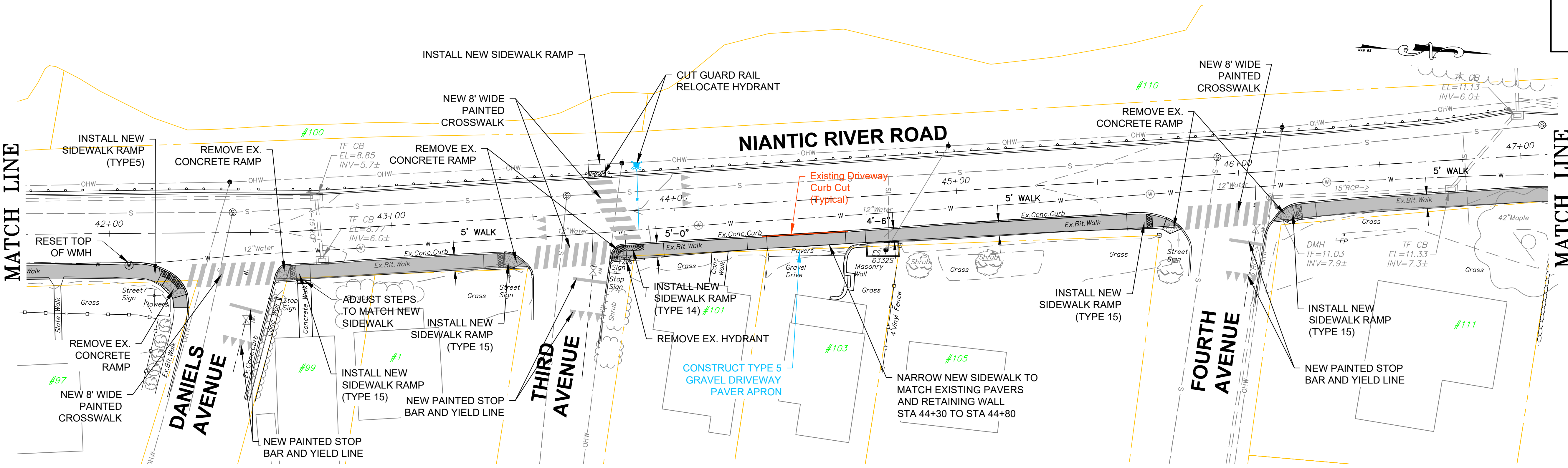
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REMOVE EXISTING CONCRETE CURBING.
REPLACE WITH NEW 6" CONCRETE CURBING.
PROVIDE 2' WIDE BITUMINOUS CONCRETE PATCH.

LEGEND	
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	EX. EDGE OF PAVEMENT
	EX. CONCRETE CURB
	EX. CURB CUT
	EXISTING GROUND CONTOUR
	EXISTING SPOT ELEVATION
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	PROPOSED SPOT ELEVATION
	PROPOSED CONCRETE WALK
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	EX. GUY WIRE
	EX. OVERHEAD WIRE
	EX. CATCH BASIN
	EX. STORM MANHOLE
	EX. STORM PIPE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER LINE
	EX. WATER MAIN
	EX. HYDRANT
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1	2025.10.23	PROWAG CONCEPT REVISIONS	JED	JEE
REV	DATE	DESCRIPTION	BY	CHK.

DRAWING ISSUE STATUS

NOT FOR CONSTRUCTION

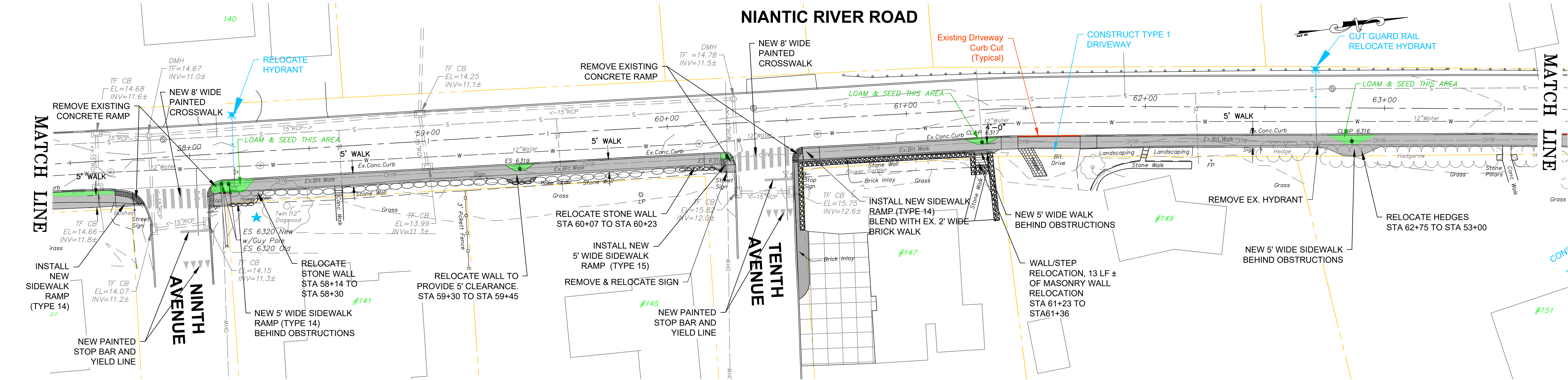
HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
WWW.HALEYWARD.COM
2210 Main St.
Glastonbury, Connecticut 06033
860.659.3100

TOWN OF WATERFORD
NIAN TIC RIVER ROAD SIDEWALK REPLACEMENT

PRELIMINARY DESIGN PLANS

DATE	2026.01.12		SCALE	1"=20'	
DRAWN BY	KLD	DESIGNED BY	JED	CHECKED BY	JEE
PROJECT No.			CONTRACT No.		
4010193.24004					
DRAWING No.				REV.	
C1.04				2	

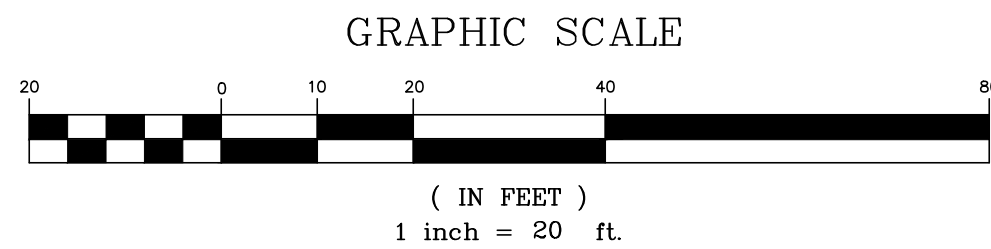
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INSTALL NEW 2' NON WALKING SURFACE BETWEEN EIGHTH AVENUE AND NINTH AVENUE.

NOTES

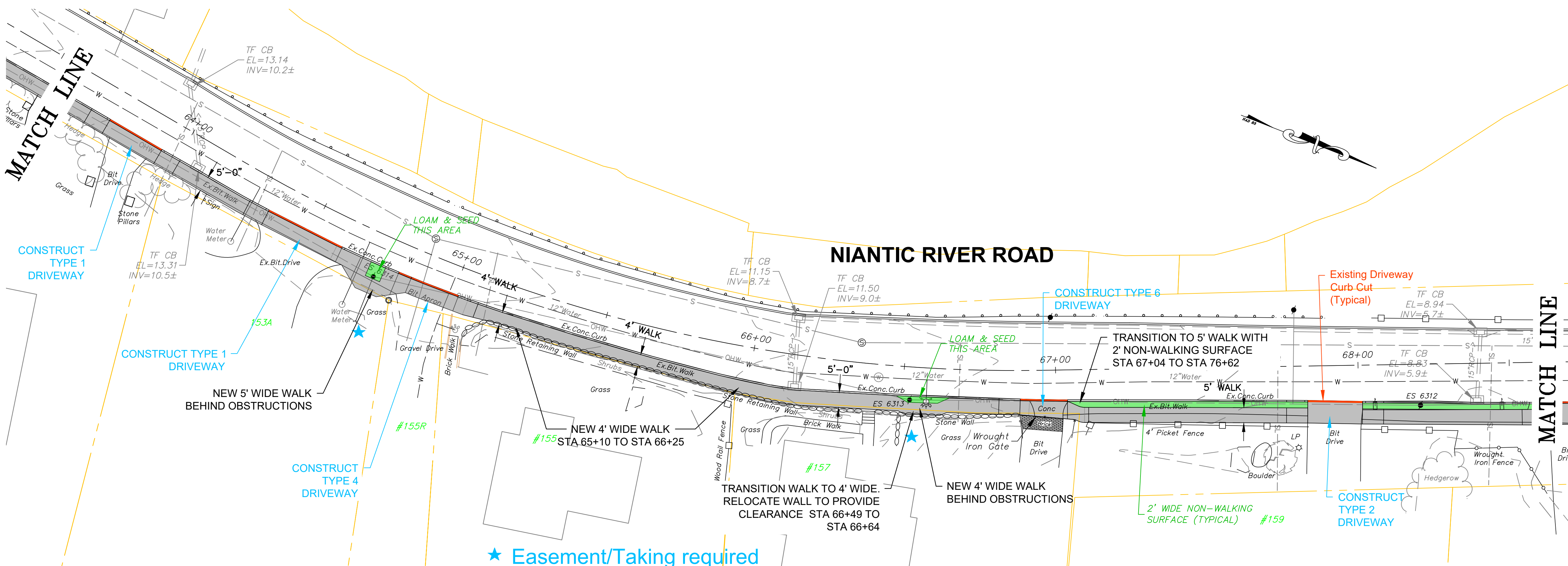
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REMOVE EXISTING CONCRETE CURBING. REPLACE WITH NEW 6" CONCRETE CURBING. PROVIDE 2' WIDE BITUMINOUS CONCRETE PATCH.

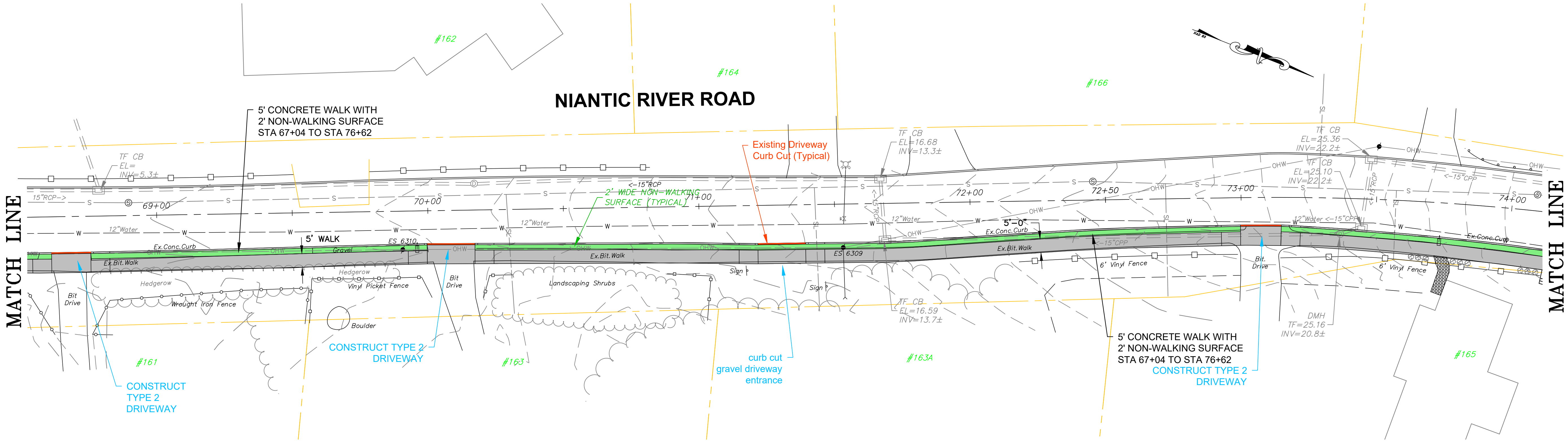
LEGEND

	APPROX. PROPERTY LINE (ASSESSORS)
	EX. EDGE OF PAVEMENT
	EX. CONCRETE CURB
	EX. CURB CUT
	EXISTING GROUND CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED GROUND CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED CONCRETE WALK
	EX. UTILITY POLE W/LIGHT
	EX. GUY WIRE
	EX. OVERHEAD WIRE
	EX. CATCH BASIN
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	EX. STORM PIPE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER LINE
	EX. WATER MAIN
	EX. HYDRANT
	EX. WATER GATE
	HOUSE NUMBER



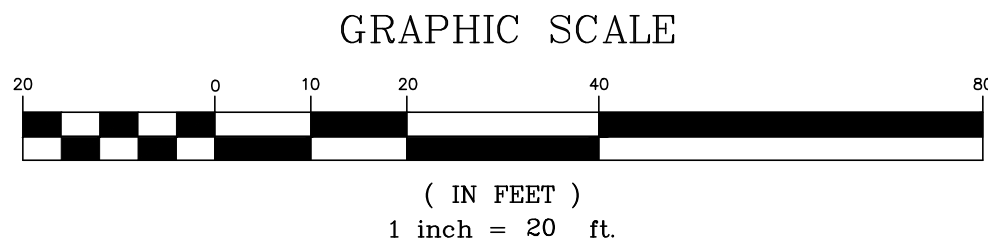
★ Easement/Taking required

2	2025.01.21	LOT/CP REVIEW COMMENTS	KLD	JEE
1	2025.10.23	PROWAG CONCEPT REVISIONS	JED	JEE
REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
NOT FOR CONSTRUCTION				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main St. Glastonbury, Connecticut 06033 860.659.3100 WWW.HALEYWARD.COM				
PROJECT				
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACE,MENT				
TITLE				
PRELIMINARY DESIGN PLANS				
	DATE		SCALE	
	2026.01.12		1"=20'	
	DRAWN BY		DESIGNED BY	
	KLD		JED	
	PROJECT No.		CHECKED BY	
4010193.24004		JEE		
CONTRACT No.				
DRAWING No.			REV.	
C1.06			2	



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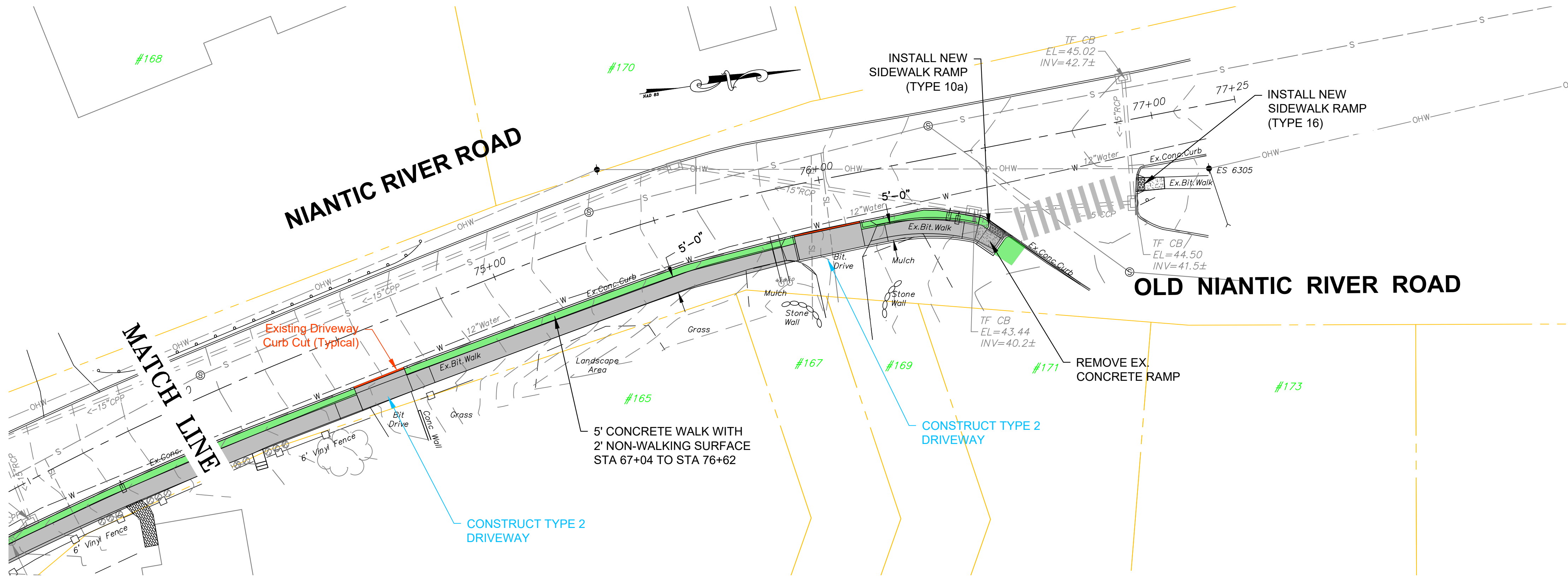
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REMOVE EXISTING CONCRETE CURBING.
REPLACE WITH NEW 6" CONCRETE CURBING.
PROVIDE 2' WIDE BITUMINOUS CONCRETE PATCH.

LEGEND

	APPROX. PROPERTY LINE (ASSESSORS)
	EX. EDGE OF PAVEMENT
	EX. CONCRETE CURB
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	PROPOSED GROUND CONTOUR
	PROPOSED SPOT ELEVATION
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	EX. GUY WIRE
	EX. OVERHEAD WIRE
	EX. CATCH BASIN
	EX. STORM MANHOLE
	EX. STORM PIPE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER LINE
	EX. WATER MAIN
	EX. HYDRANT
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1	2025.10.23	PROWAG CONCEPT REVISIONS	JED	JEE
REV.	DATE	DESCRIPTION	BY	CHK.

DRAWING ISSUE STATUS

NOT FOR CONSTRUCTION

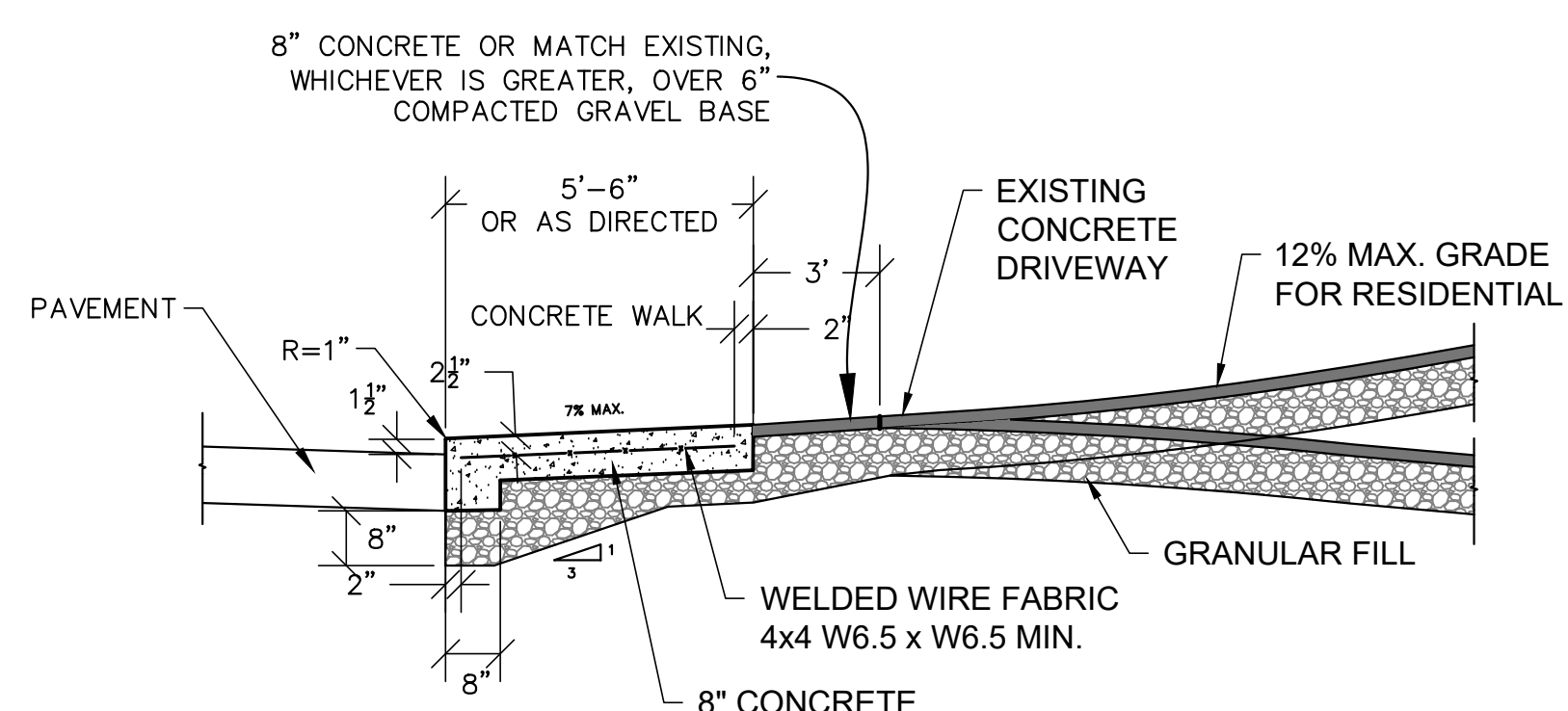
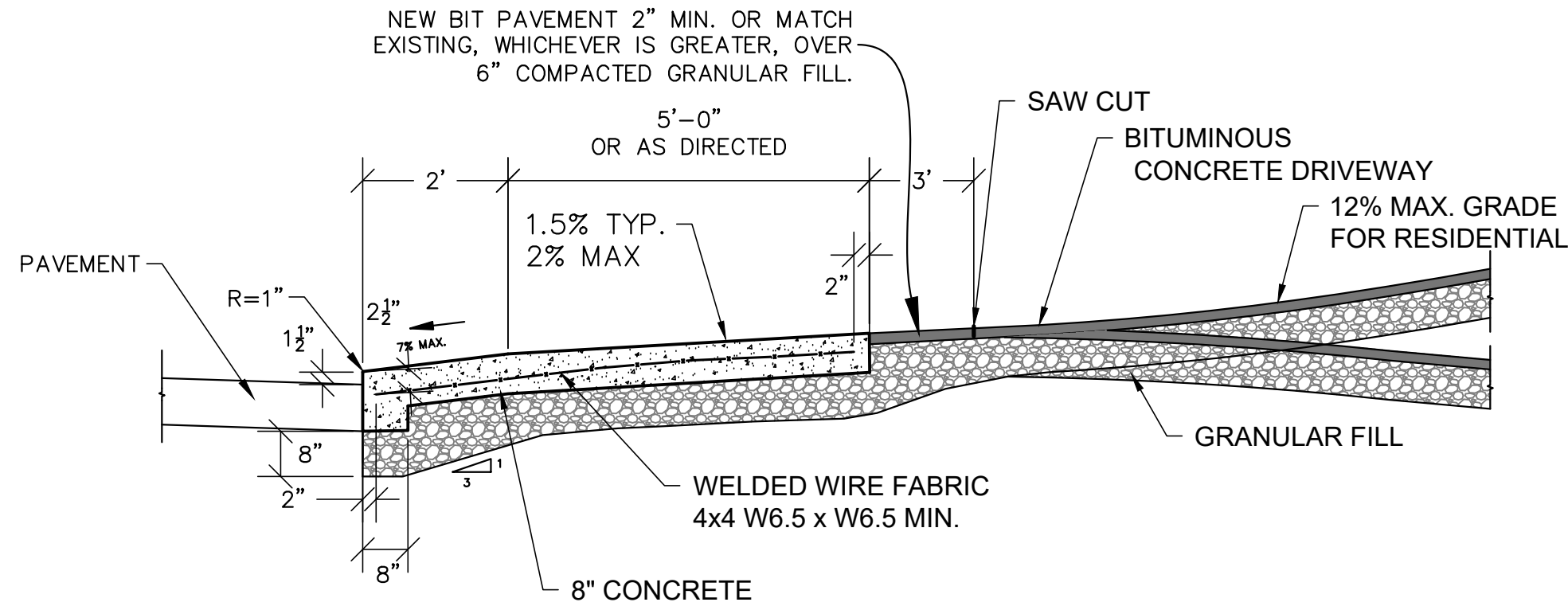
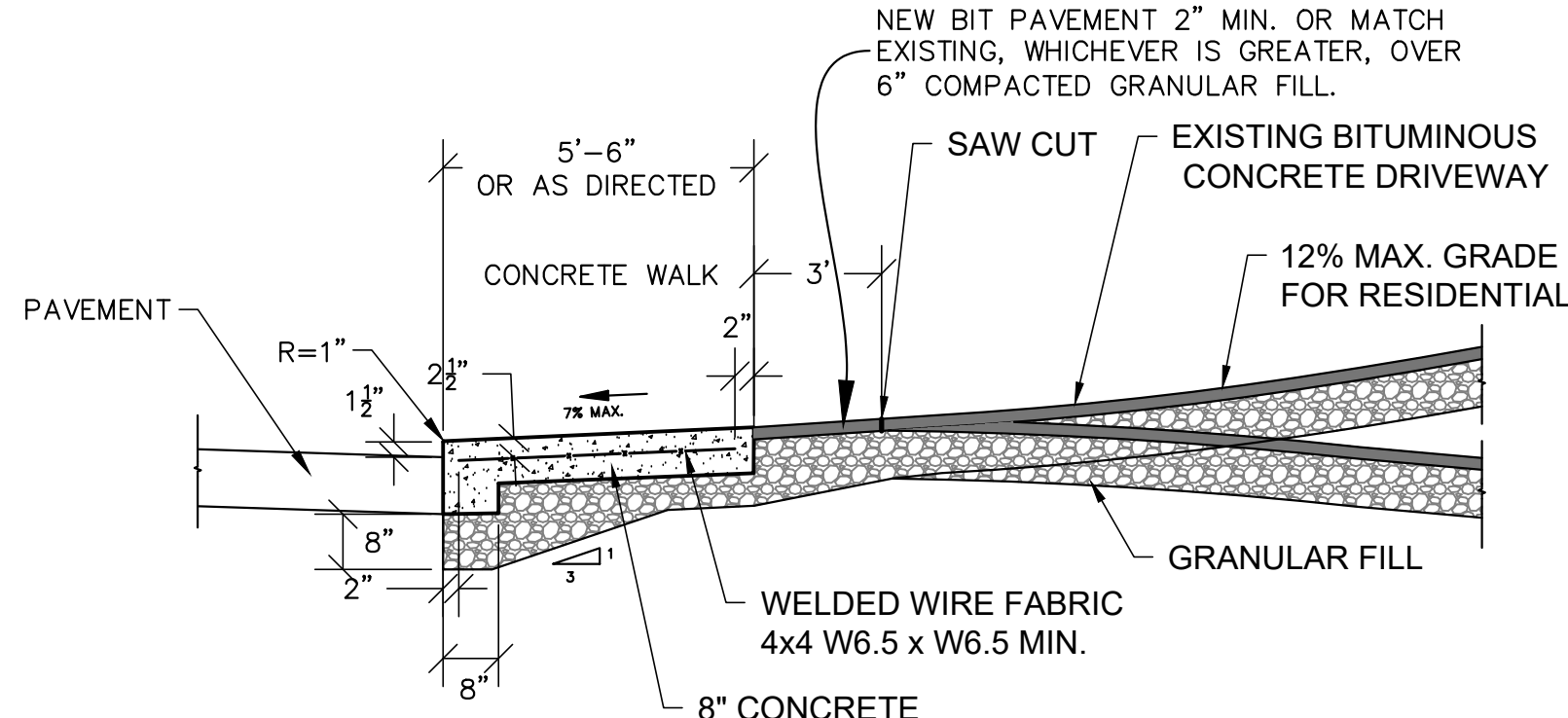
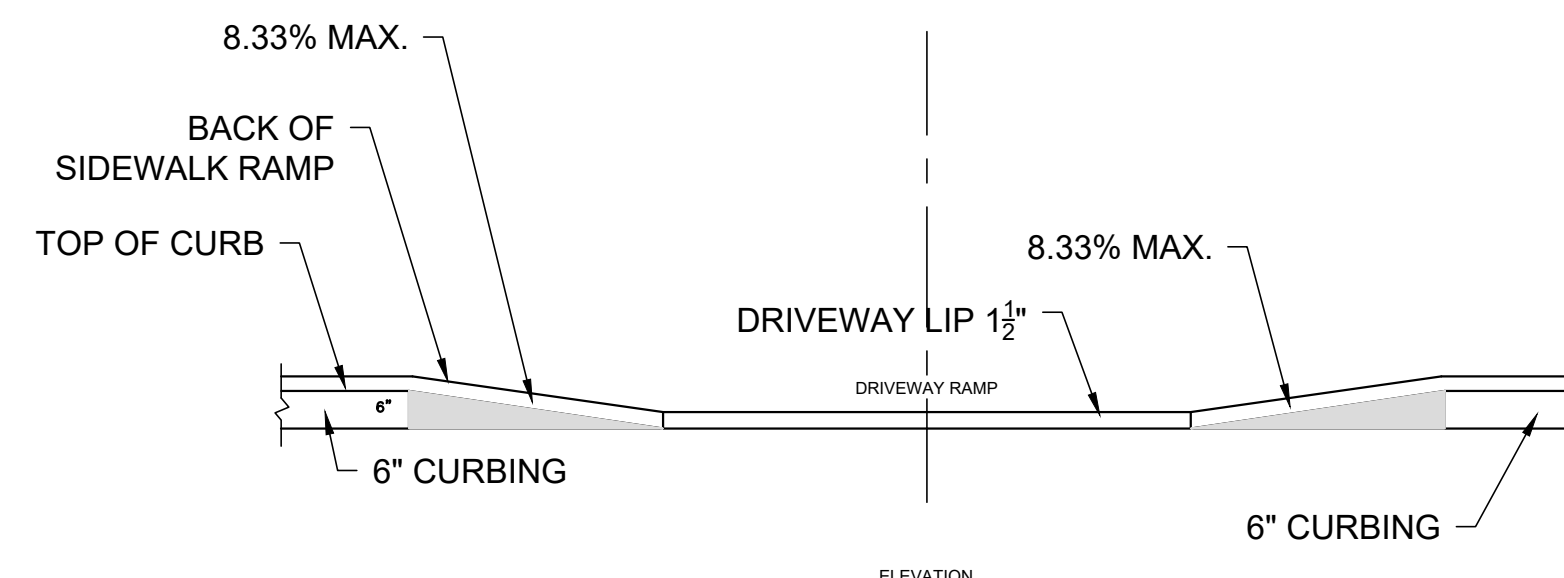
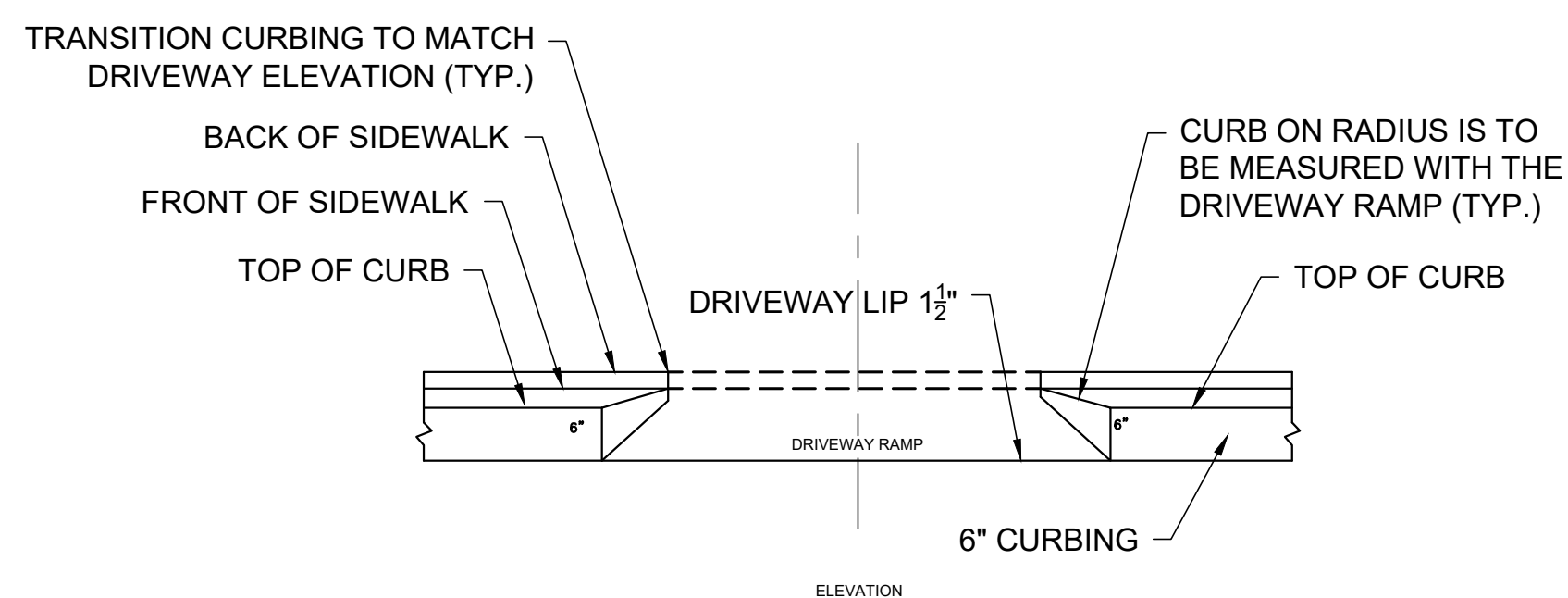
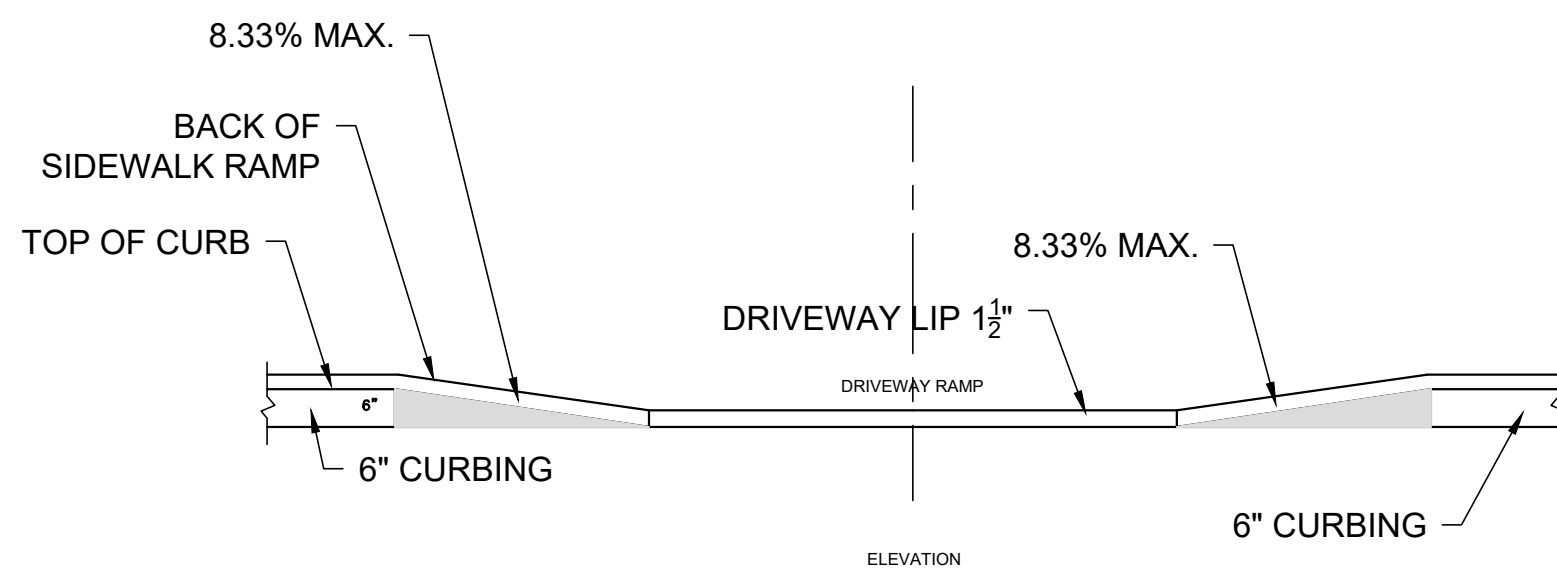
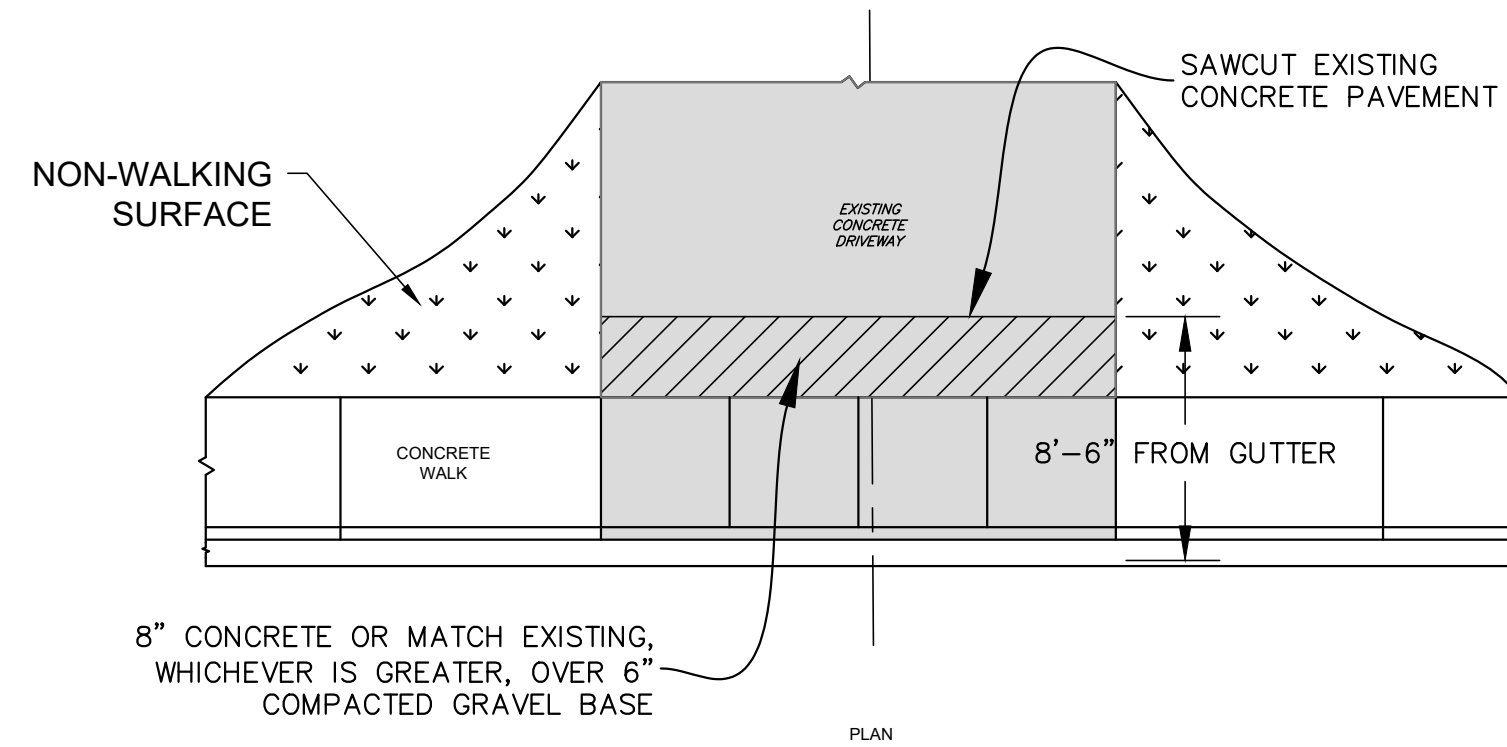
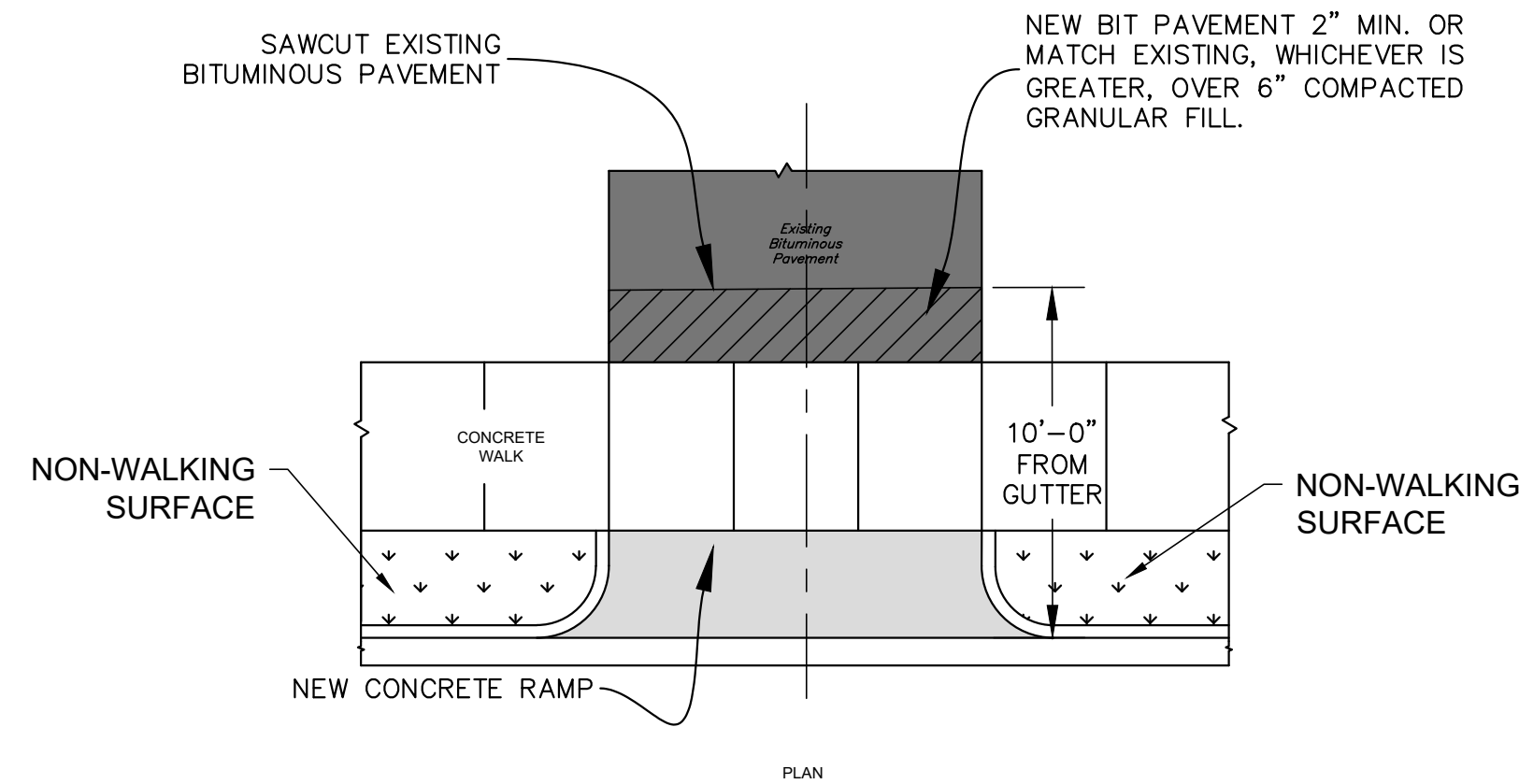
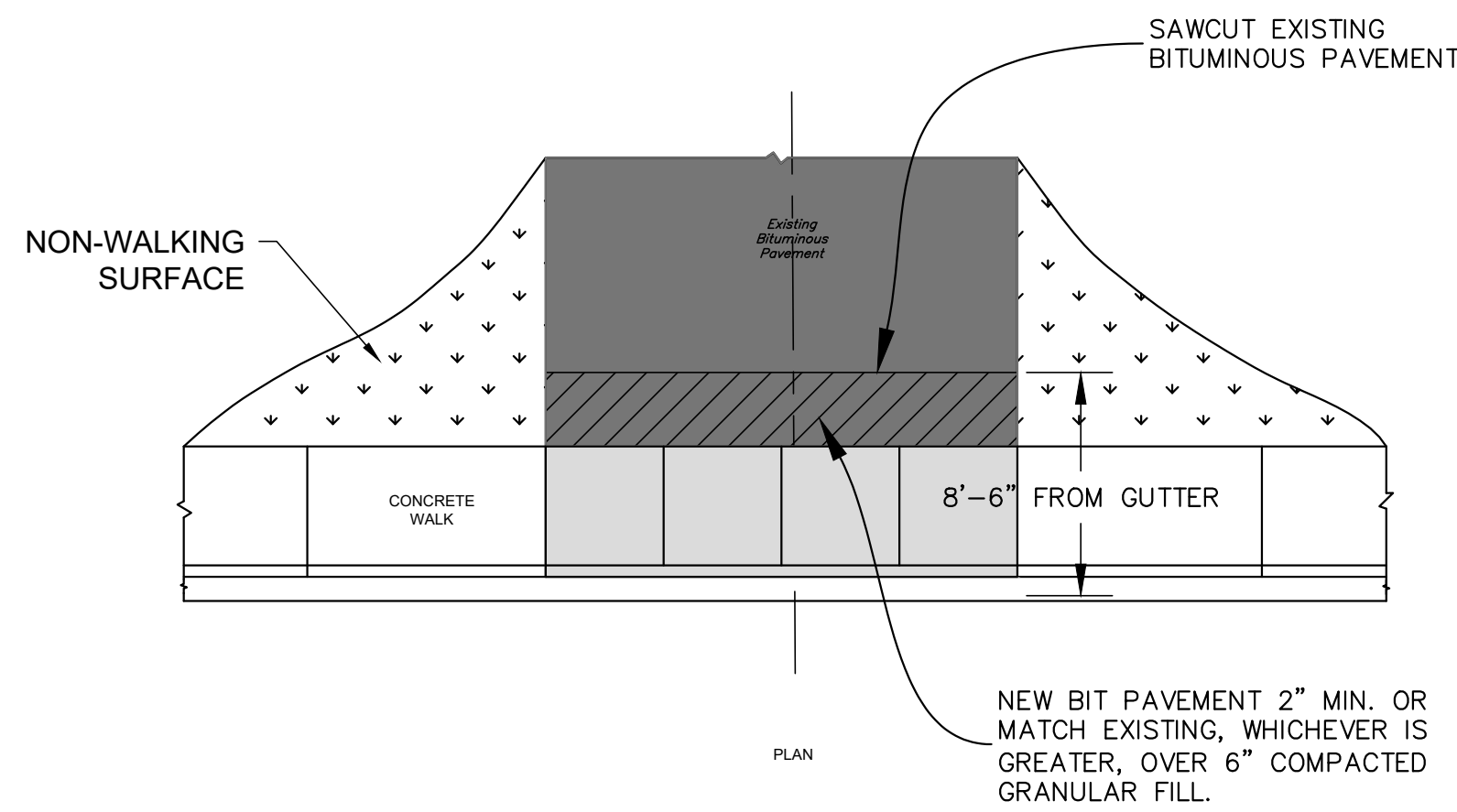
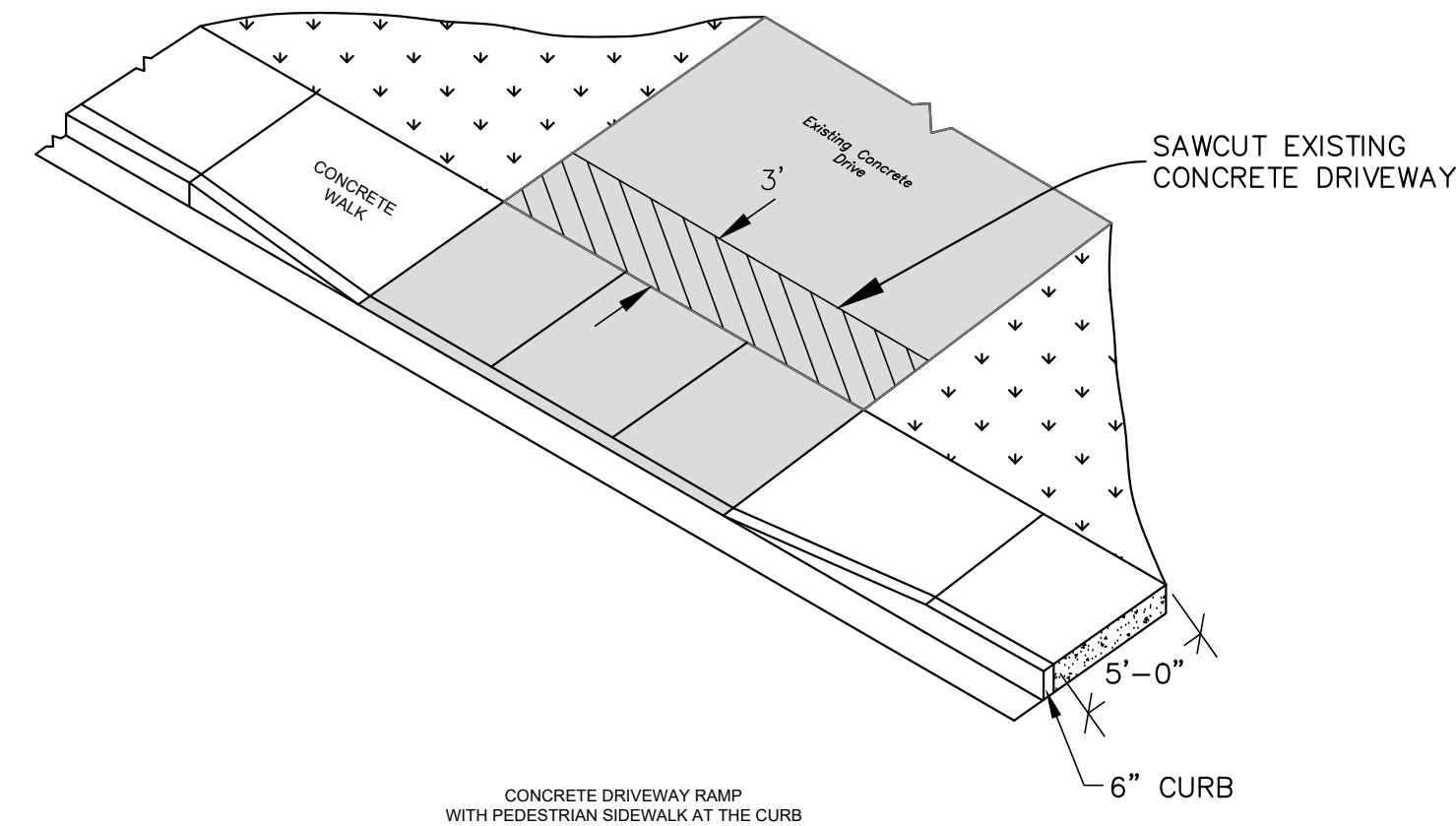
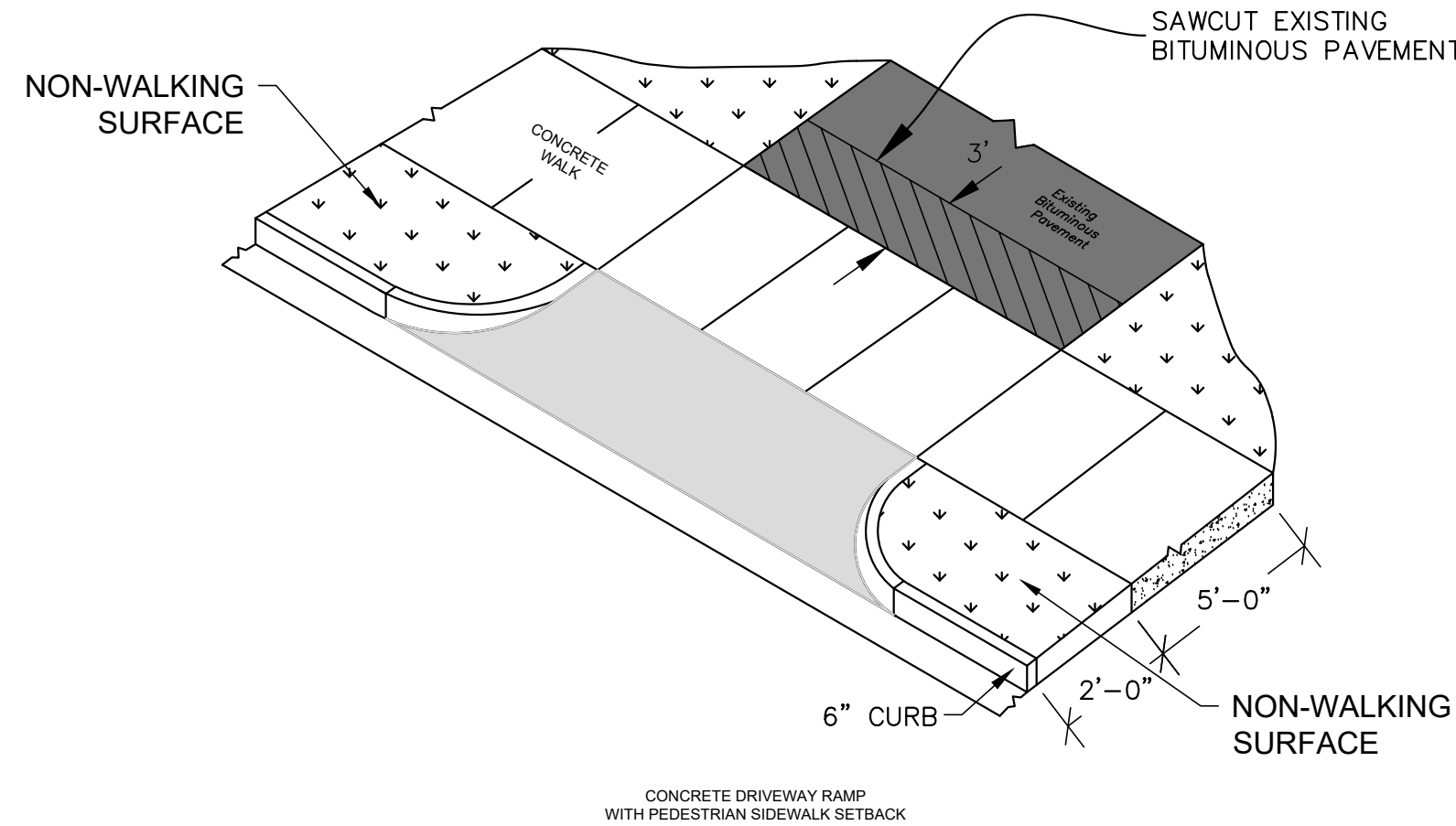
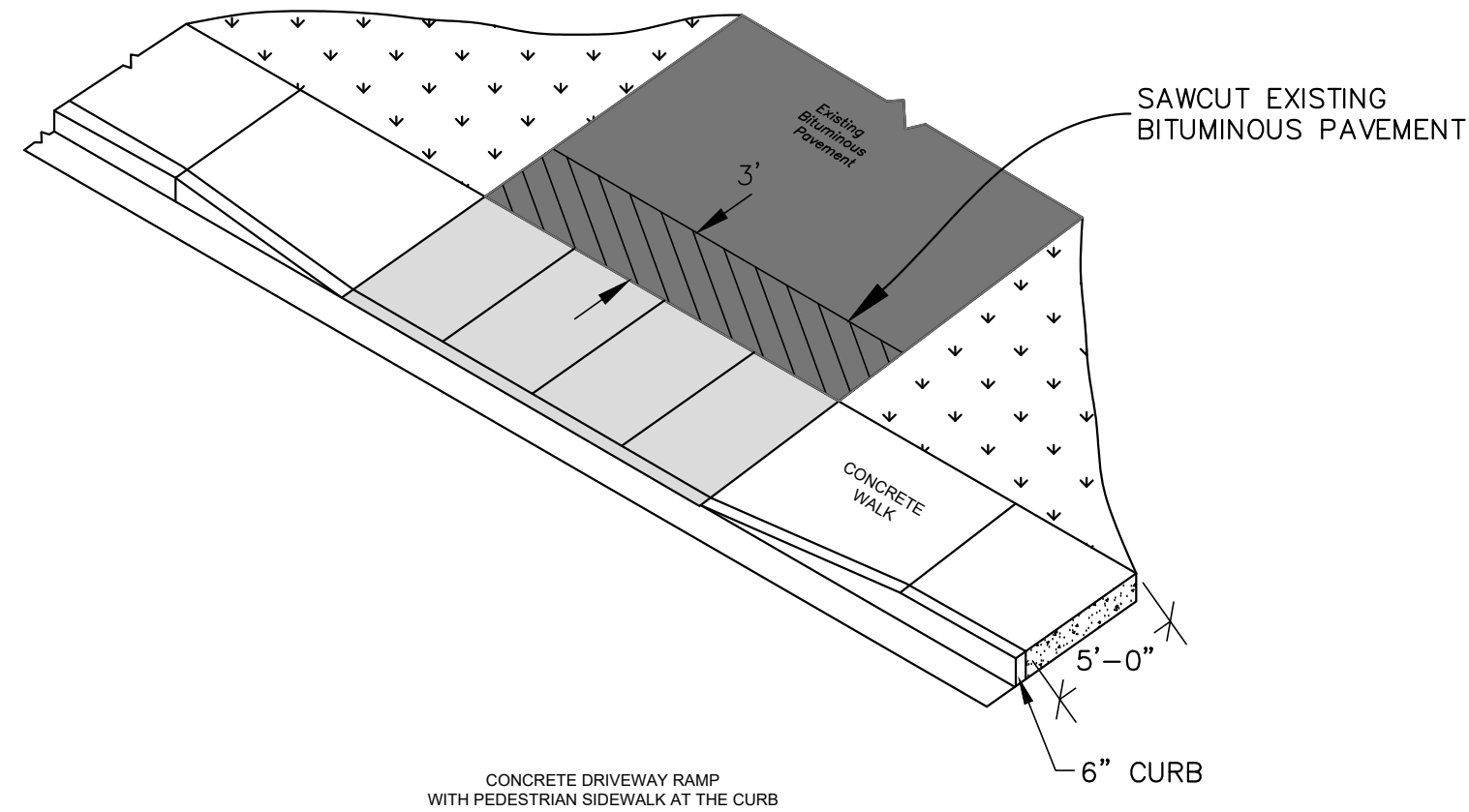
ENGINEERING | ENVIRONMENTAL | SURVEYING
2210 Main St.
Glastonbury, Connecticut 06033
860.659.3100

PROJECT
TOWN OF WATERFORD
NIANTIC RIVER ROAD SIDEWALK REPLACEMENT

TITLE
PRELIMINARY DESIGN PLANS

DATE	2026.01.12	SCALE	1"=20'
DRAWN BY	KLD	DESIGNED BY	JED
CHECKED BY	JEE	PROJECT No.	4010193.24004
CONTRACT No.		DRAWING No.	C1.07
REV.			2

FILE LOCATION: P:\CT\4010183 - TOWN OF WATERFORD CT\24004-NIANTIC RIVER ROAD SIDEWALK PROJECT - JEE\02-CAD_FILES\CIVIL\PRODUCTION PLANS\DETAILS.DWG, 2026.02.10, 1:23 PM



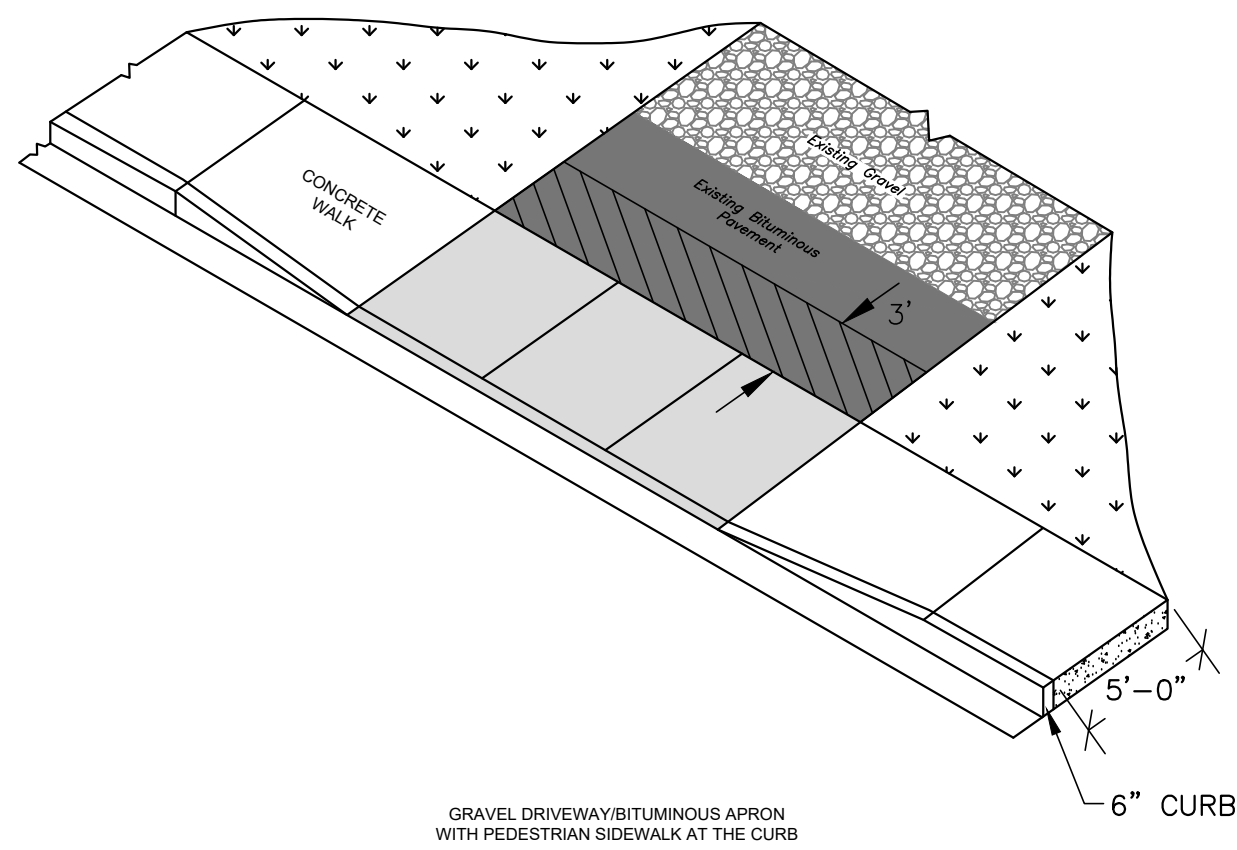
TYPE 1 DRIVEWAY
BITUMINOUS PAVEMENT
NEW CONCRETE APRON

TYPE 2 DRIVEWAY
BITUMINOUS PAVEMENT
NEW CONCRETE APRON
2' NON-WALKING SURFACE

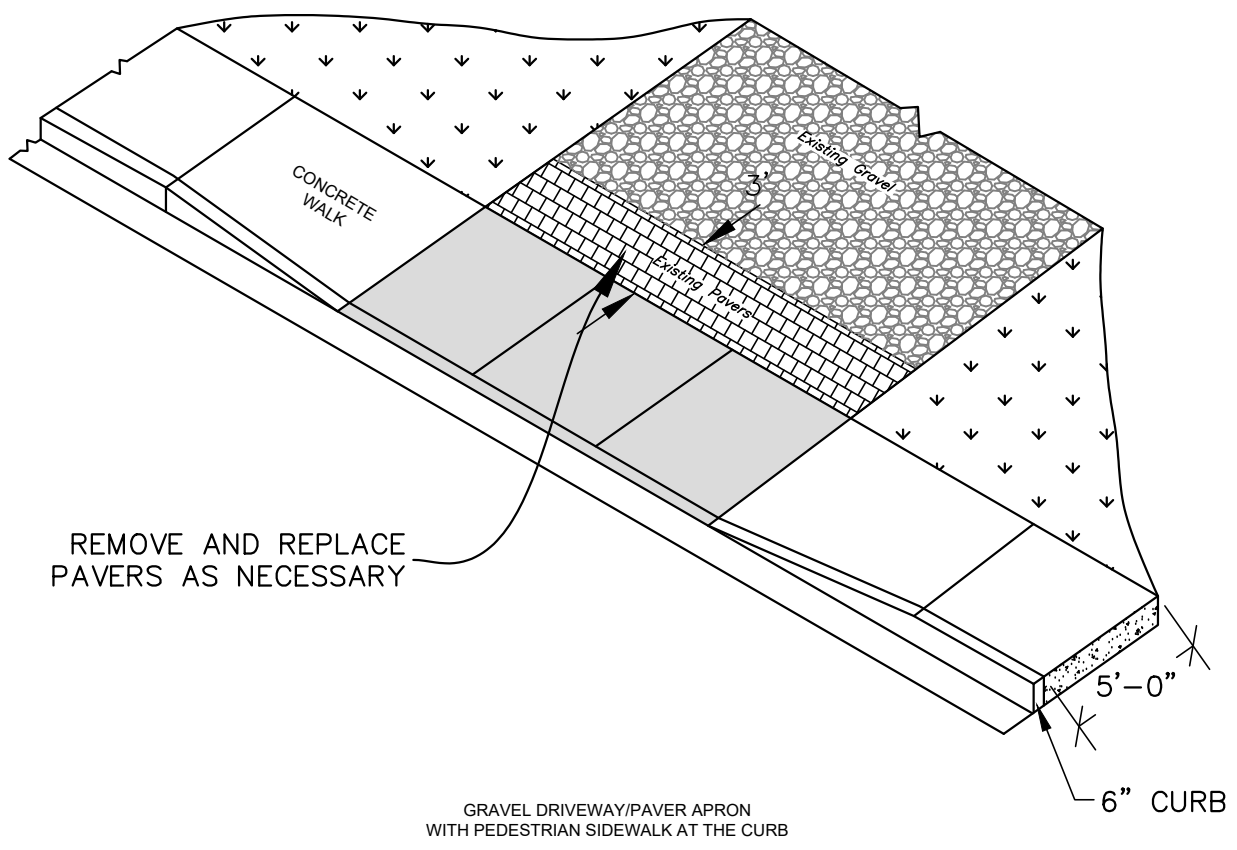
TYPE 3 DRIVEWAY
EXISTING CONCRETE DRIVE
NEW CONCRETE WALK / APRON

REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
NOT FOR CONSTRUCTION				
HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main Street, P.O. Box 1088 Glastonbury, Connecticut 06033-0108 860.659.3100				
PROJECT				
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACEMENT				
TITLE				
DRIVEWAY DETAILS				
DATE		SCALE		
2026.01.15		AS NOTED		
DRAWN BY		DESIGNED BY		CHECKED BY
KLD		JED		JEE
PROJECT No.				
4010193.24004				
DRAWING No.				REV.
C5.01				

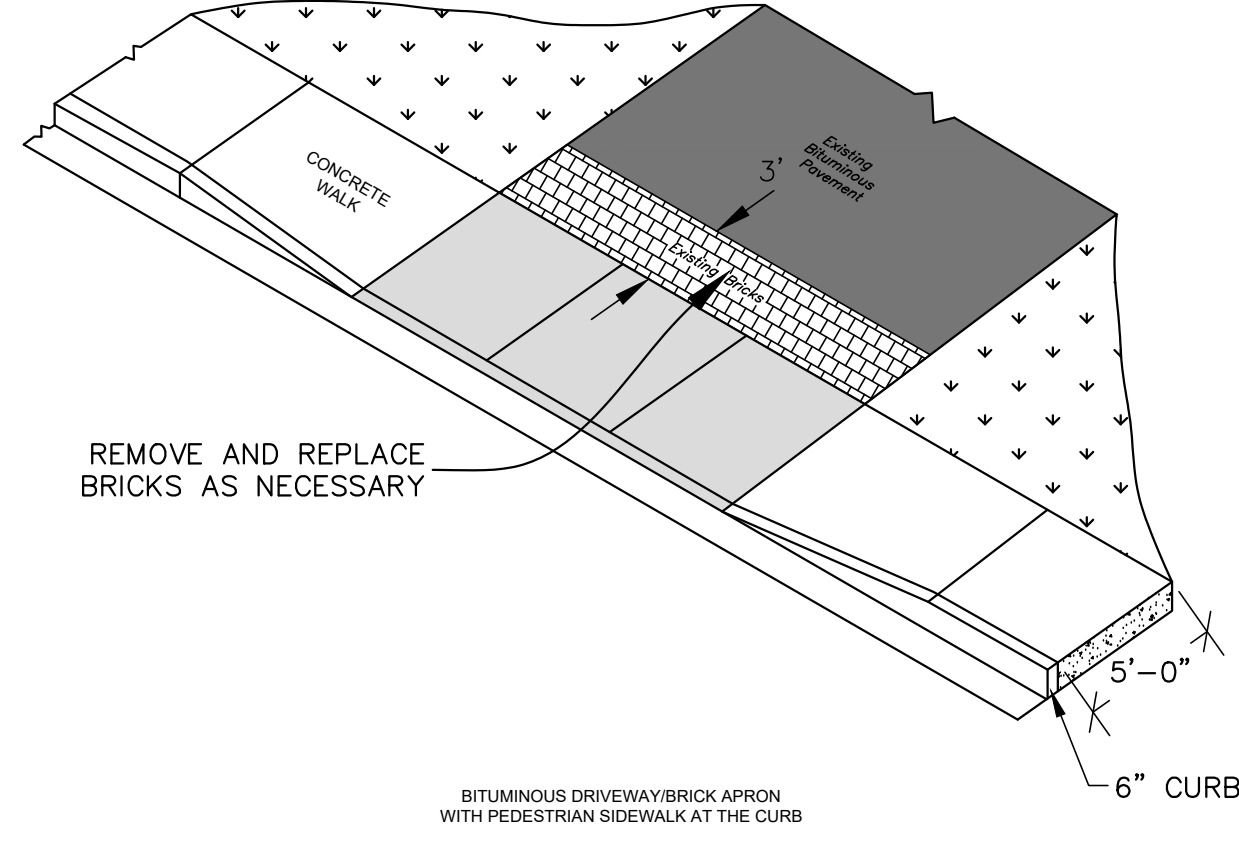
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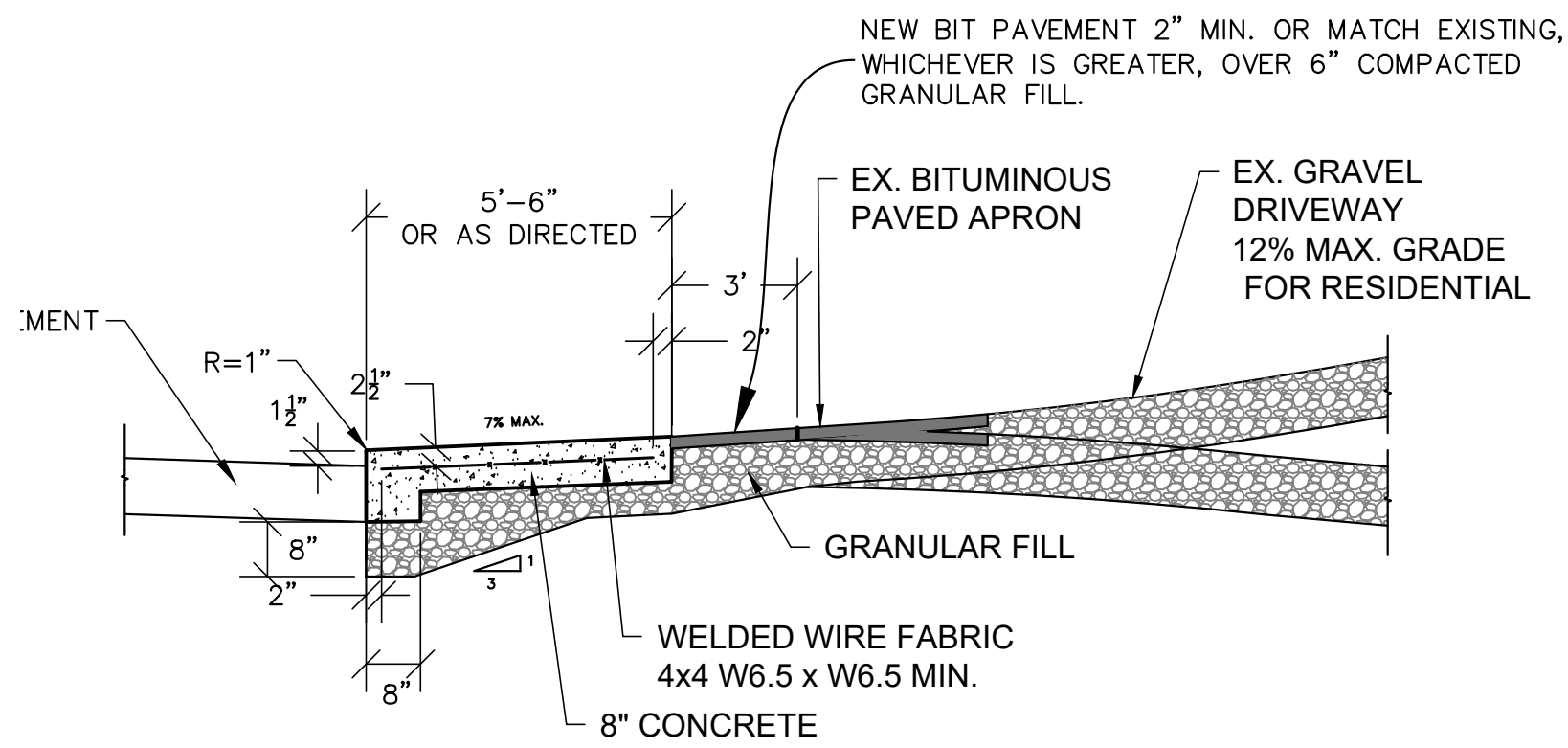
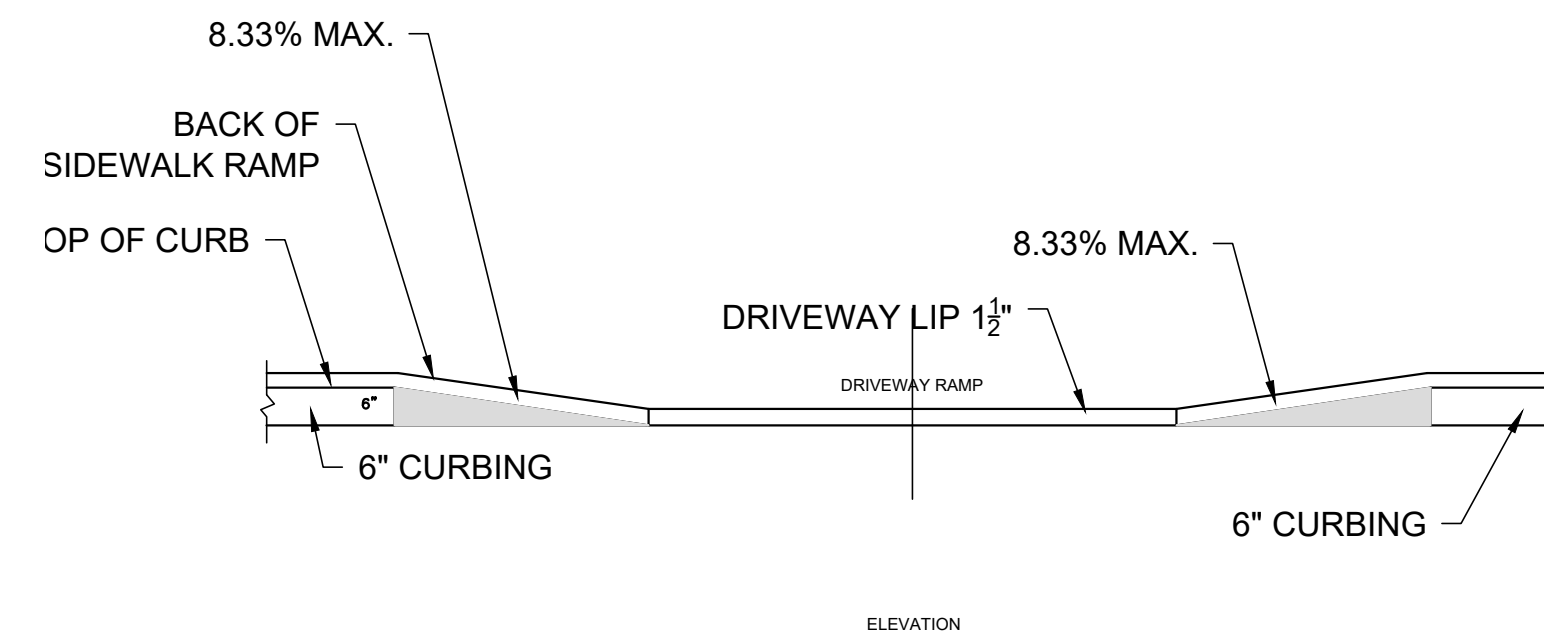
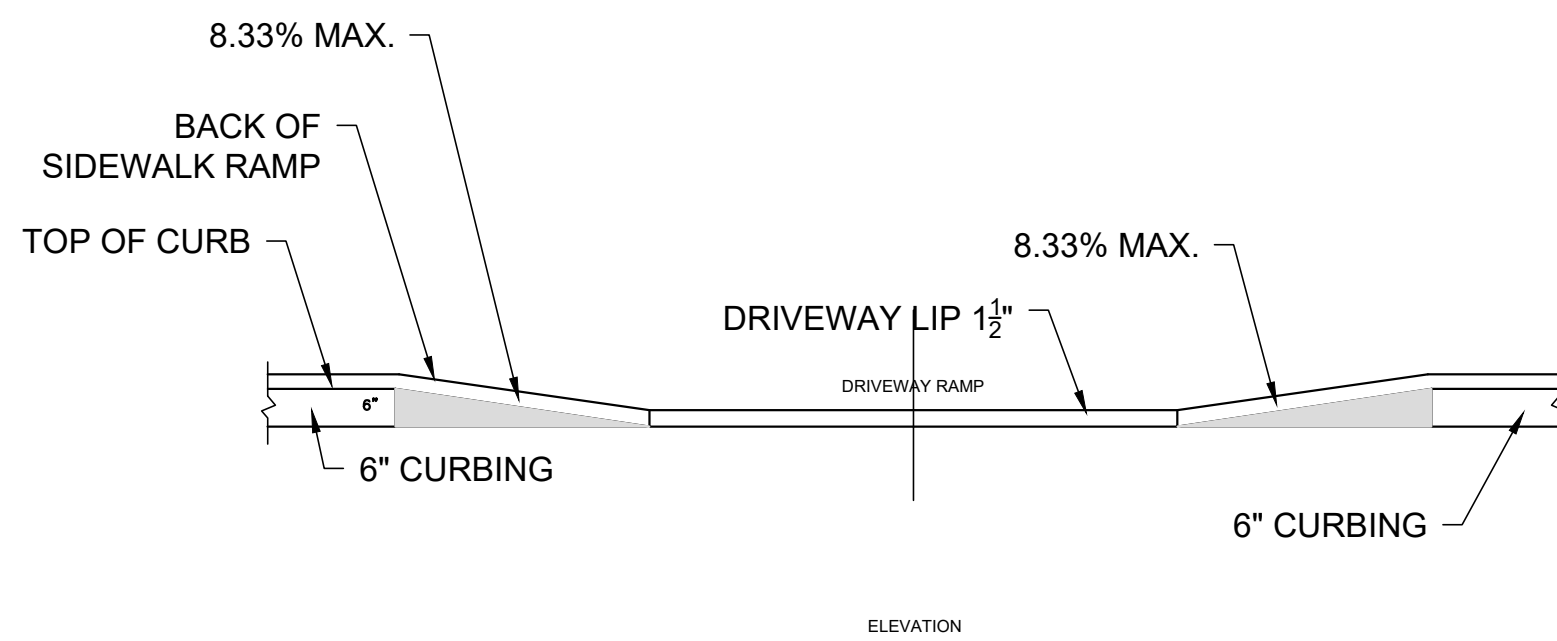
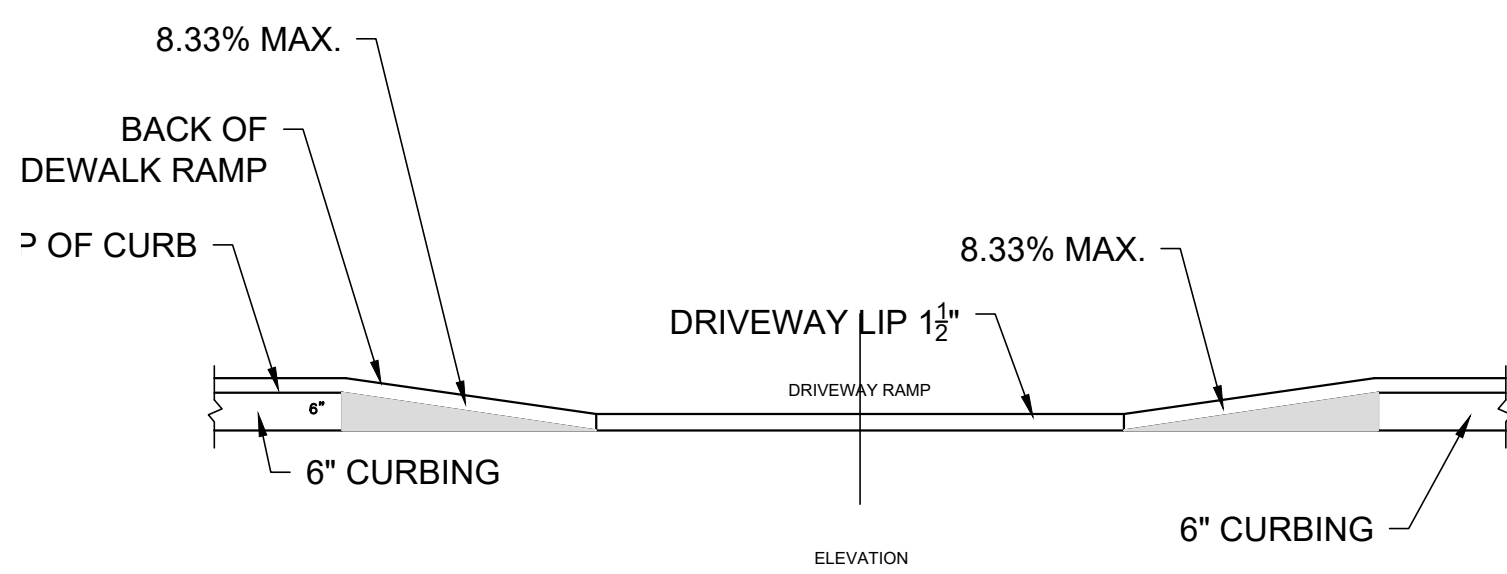
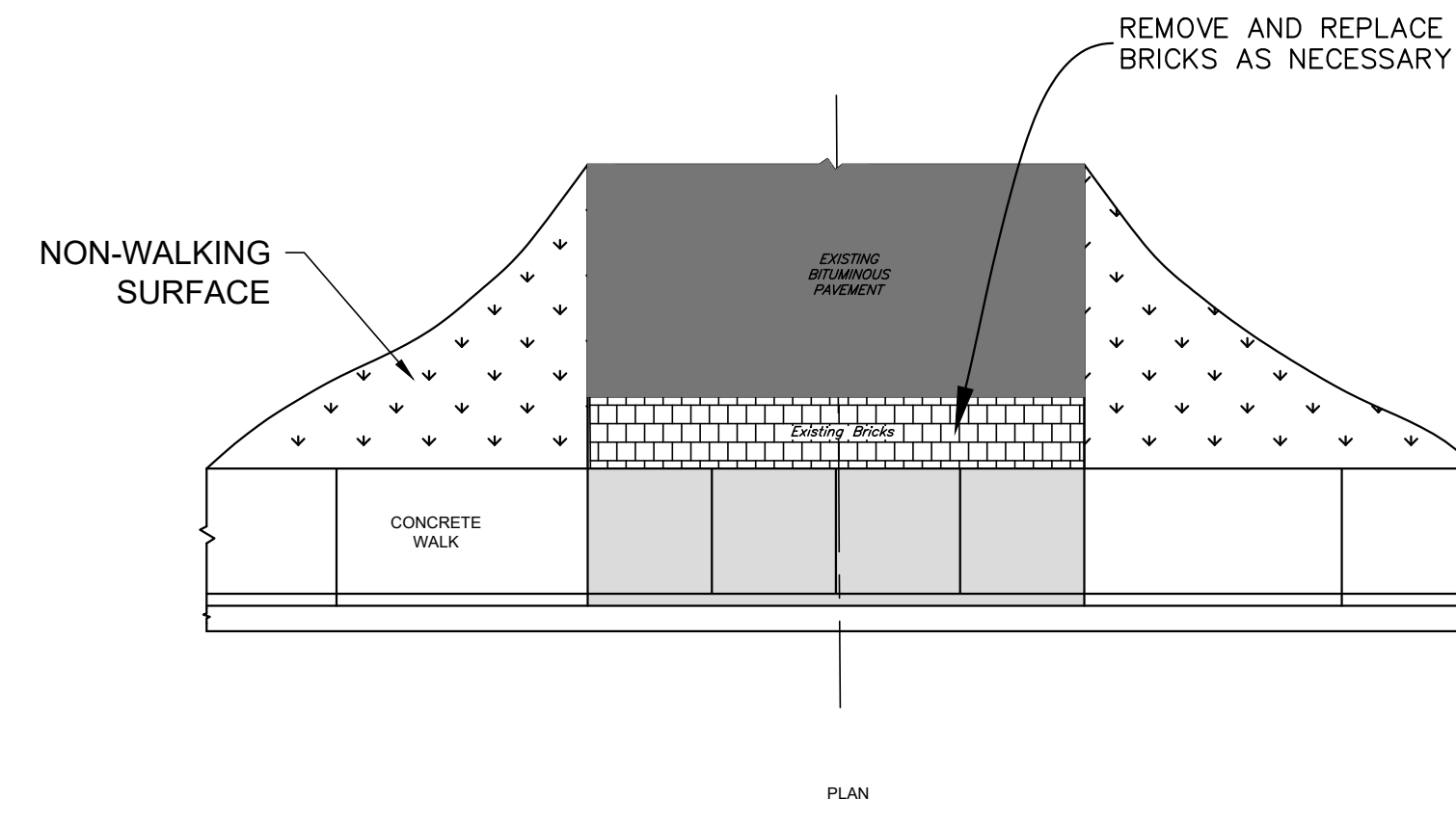
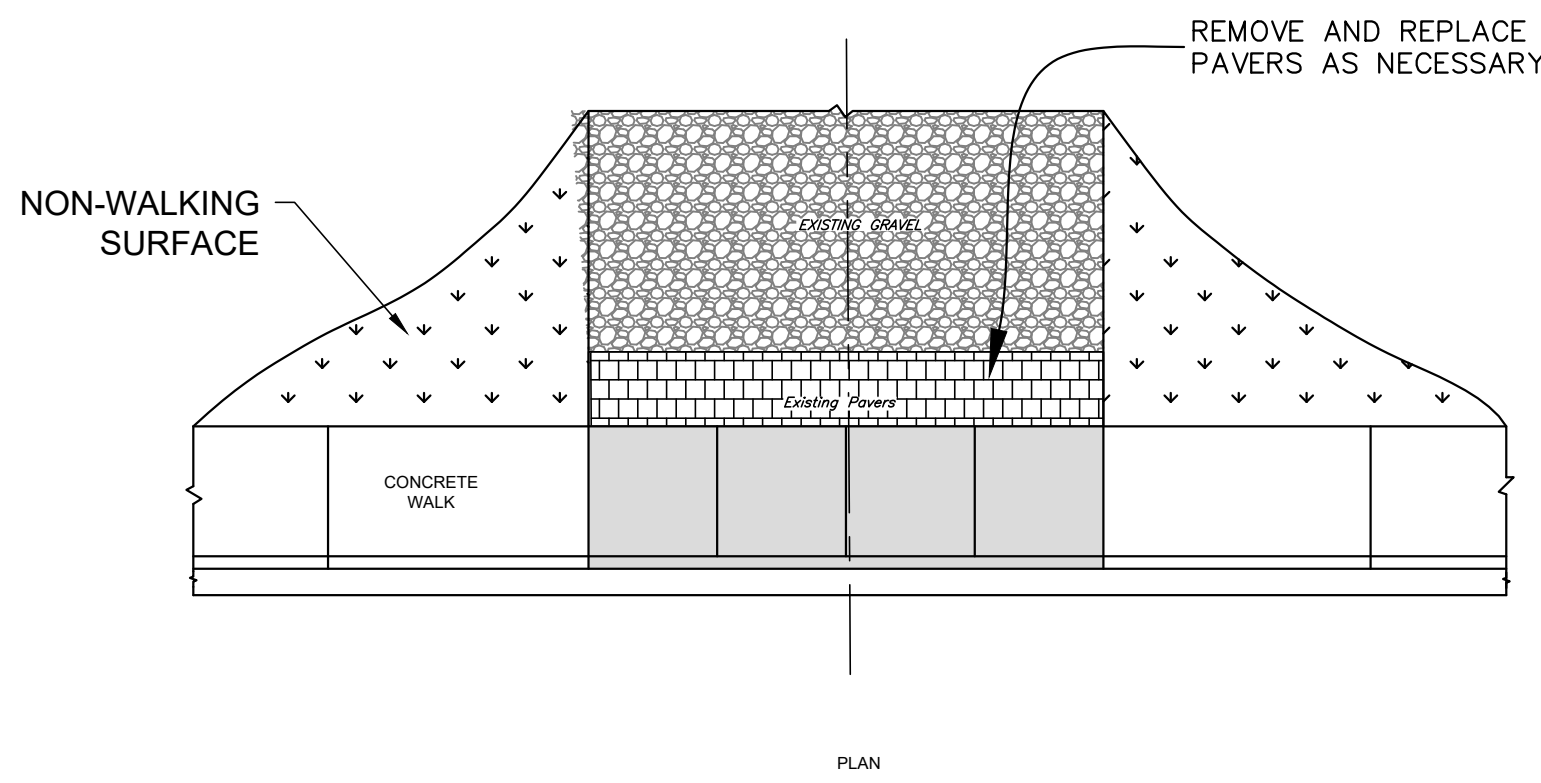
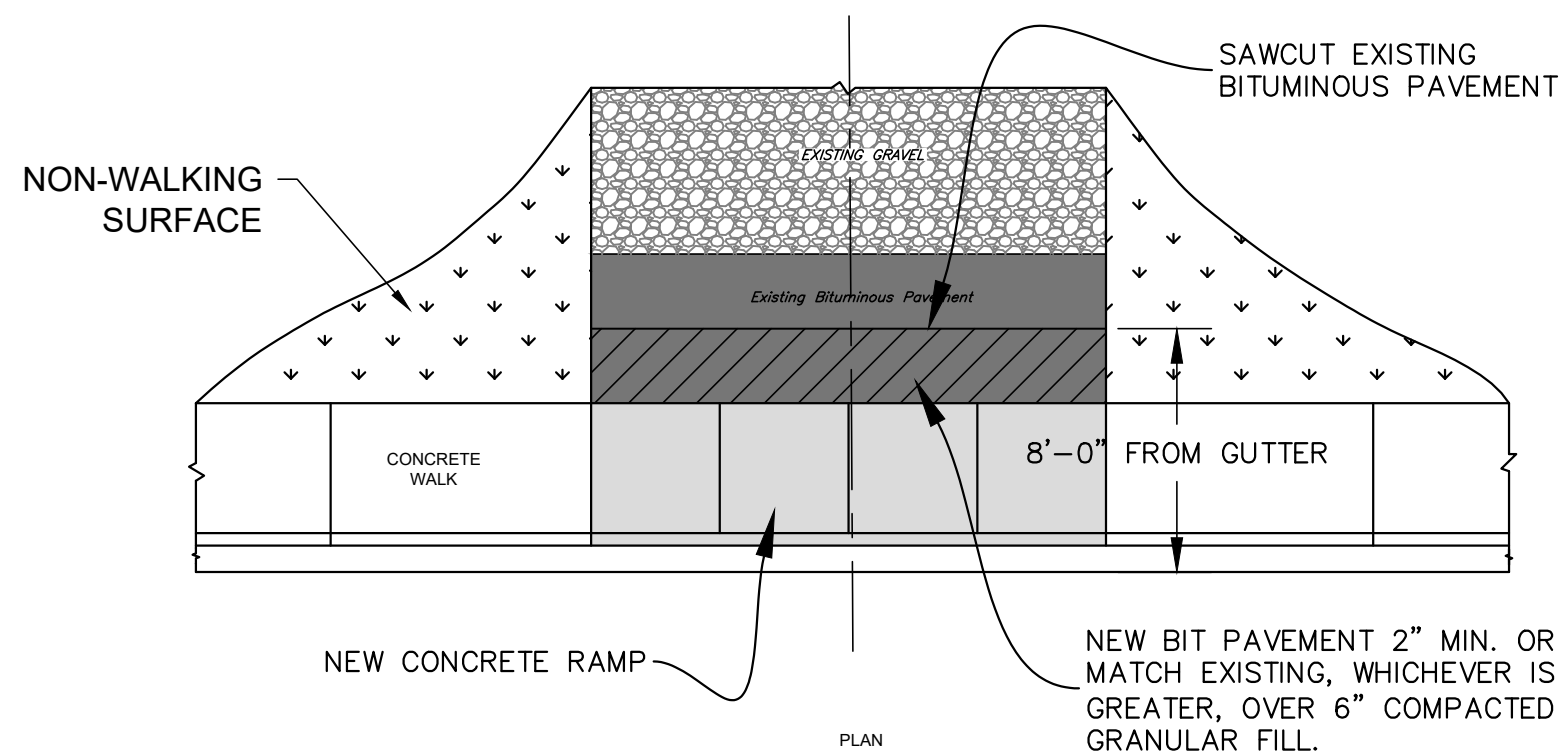
GRAVEL DRIVEWAY/BITUMINOUS APRON
WITH PEDESTRIAN SIDEWALK AT THE CURB



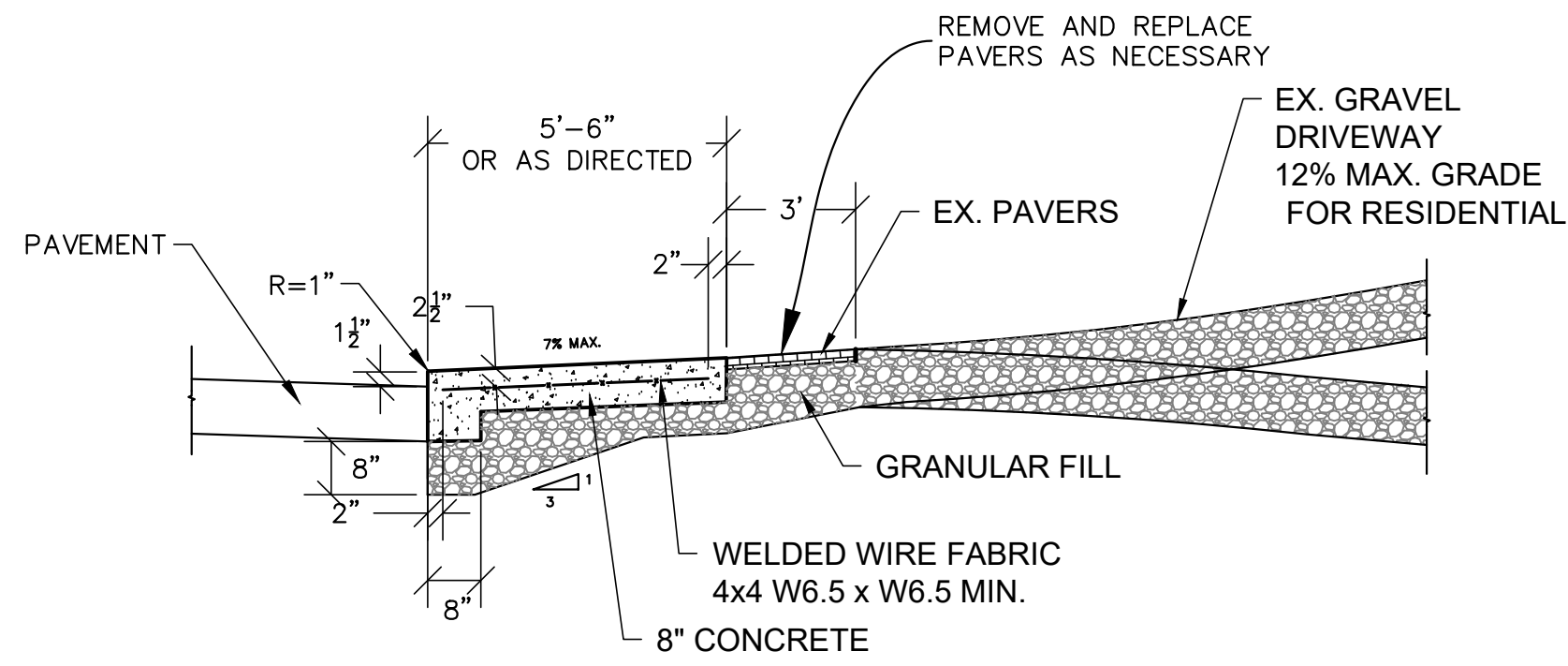
GRAVEL DRIVEWAY/PAVER APRON
WITH PEDESTRIAN SIDEWALK AT THE CURB



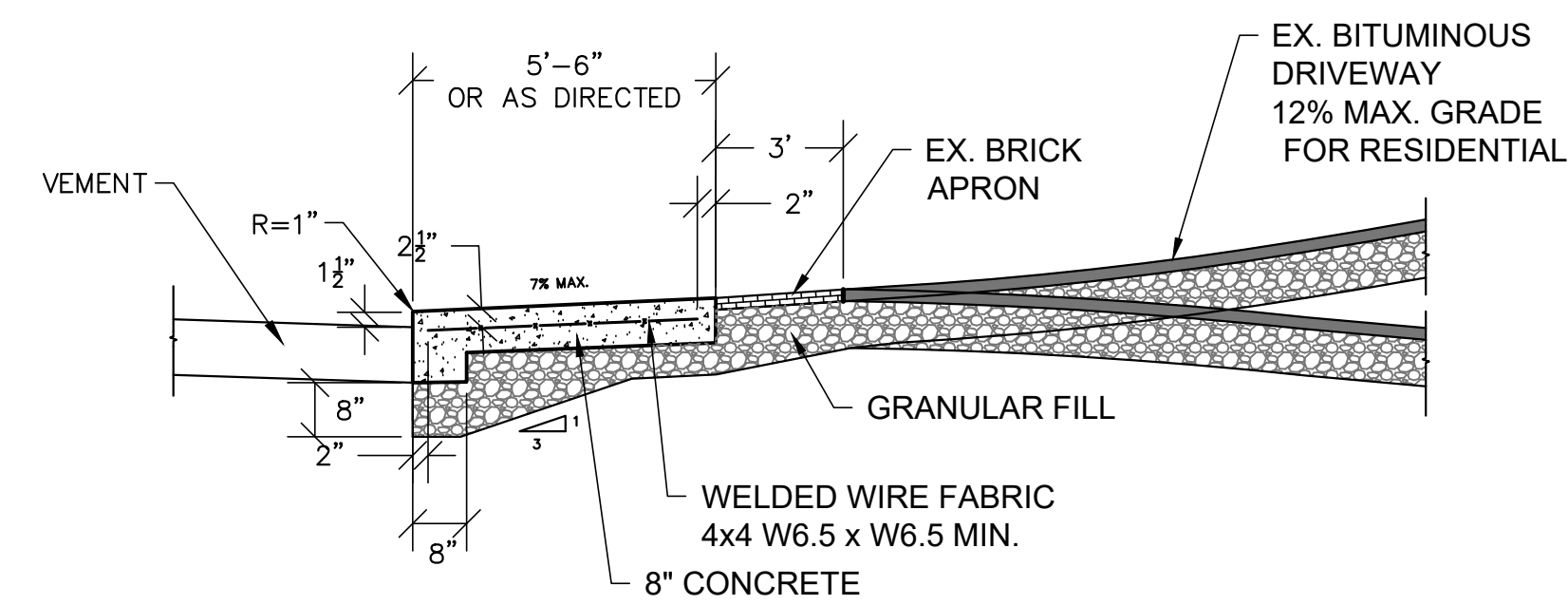
BITUMINOUS DRIVEWAY/BRICK APRON
WITH PEDESTRIAN SIDEWALK AT THE CURB



TYPE 4 DRIVEWAY
GRAVEL DRIVE
BITUMINOUS APRON
NEW CONCRETE WALK / APRON



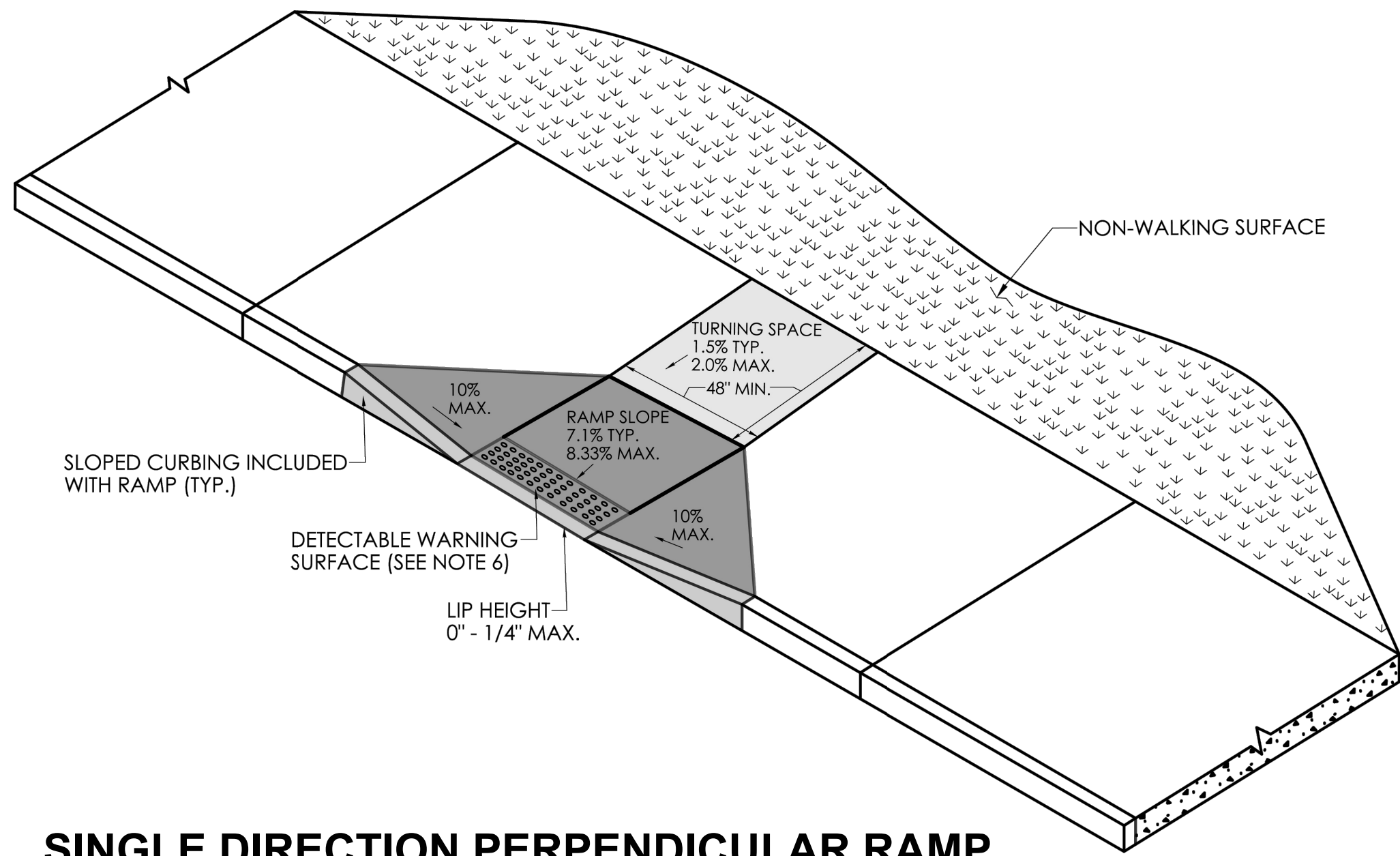
TYPE 5 DRIVEWAY
GRAVEL DRIVE
PAVER APRON
NEW CONCRETE WALK



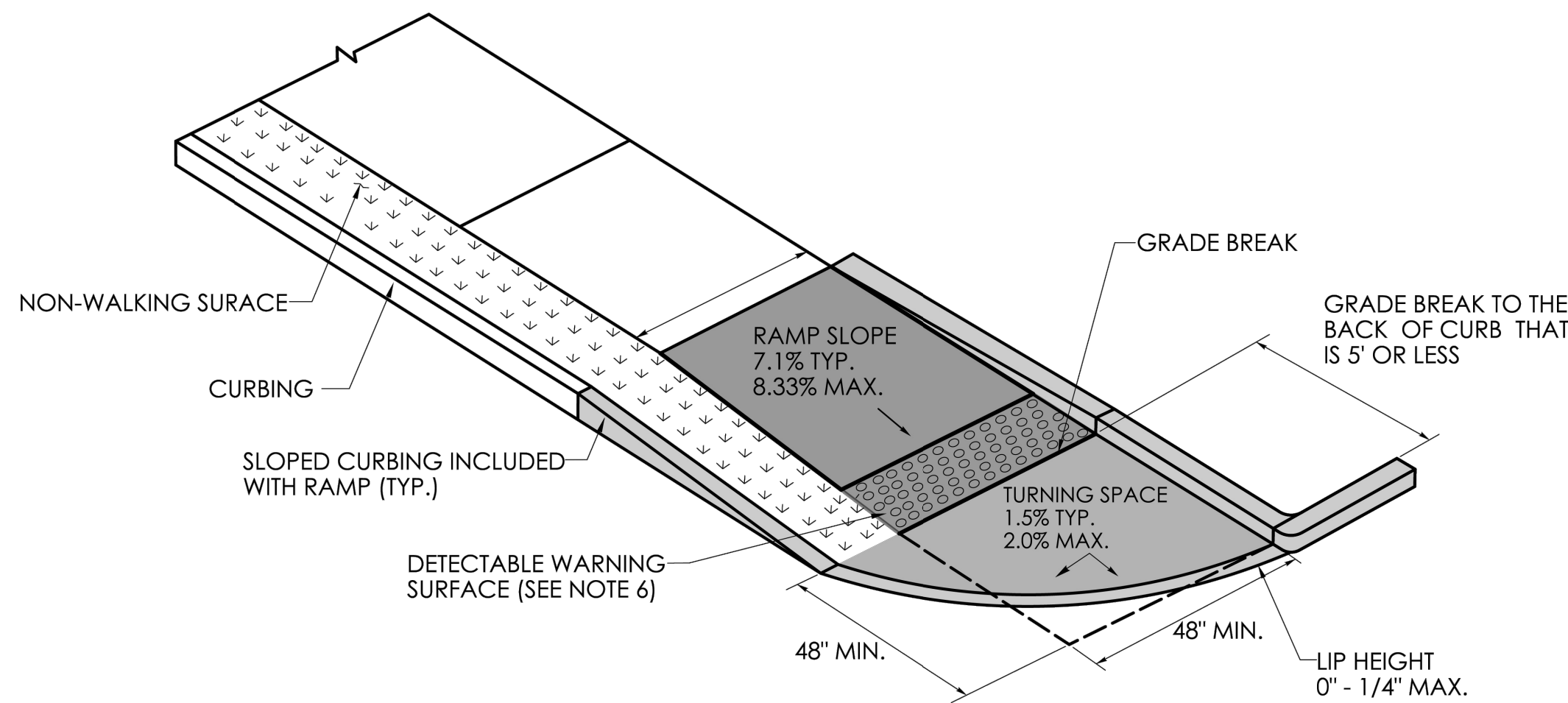
TYPE 6 DRIVEWAY
BITUMINOUS DRIVE
BRICK PAVER APRON
NEW CONCRETE WALK

REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
NOT FOR CONSTRUCTION				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main Street, P.O. Box 1088 Glastonbury, Connecticut 860.659.3100				
PROJECT				
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACEMENT				
TITLE				
DRIVEWAY DETAILS				
	DATE		SCALE	
	2026.01.15		AS NOTED	
	DRAWN BY	DESIGNED BY	CHECKED BY	
	KLD	JED	JEE	
	PROJECT No.			
	4010193.24004			
	DRAWING No.			REV.
	C5.02			

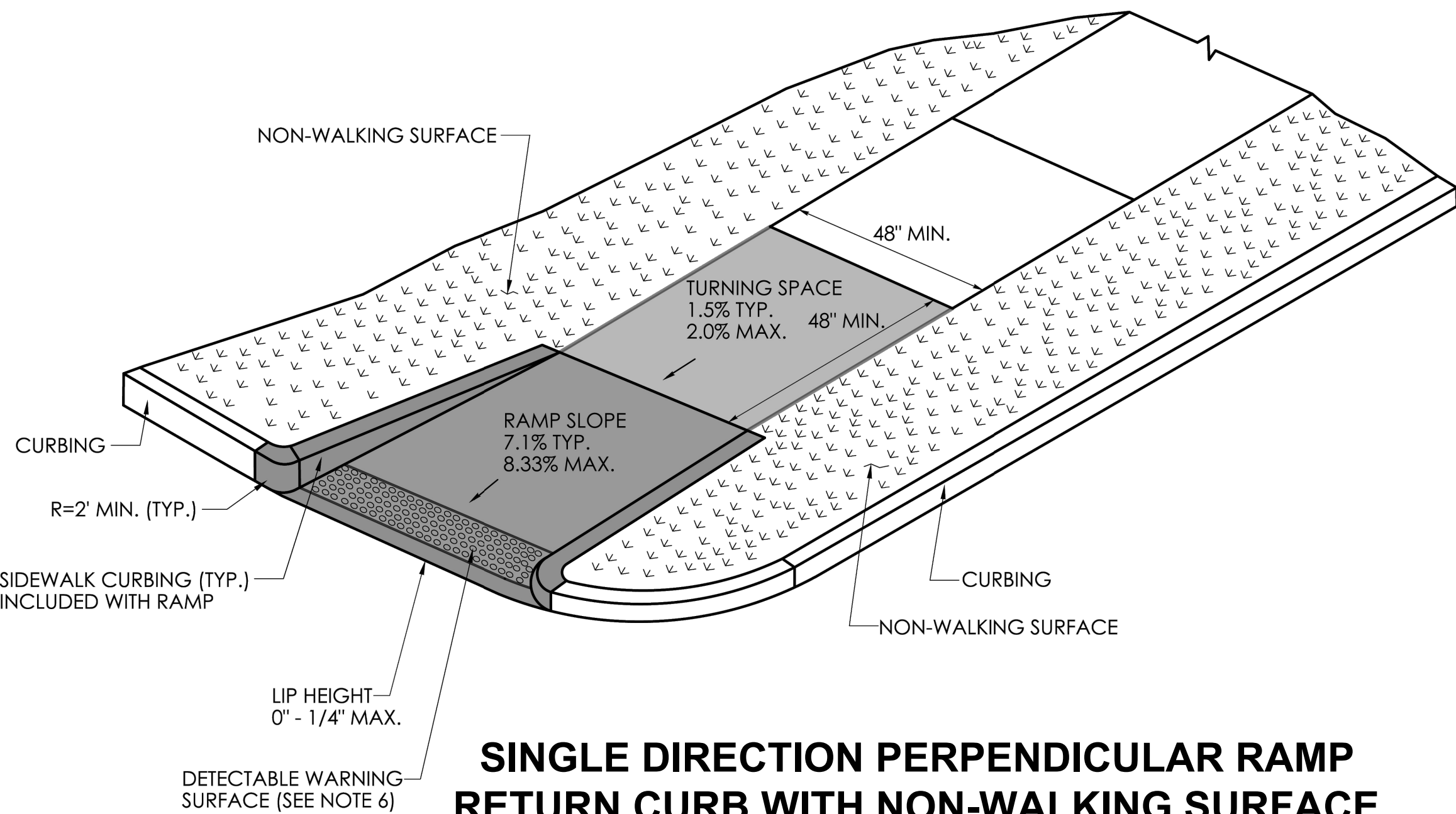
FILE LOCATION: P:\CT\4010183 - TOWN OF WATERFORD CT\24004-NIANTIC RIVER ROAD SIDEWALK PROJECT - JEE\02-CAD_FILES\CIVIL\PRODUCTION PLANS\DETAILS.DWG, 2026.02.10, 1:24 PM



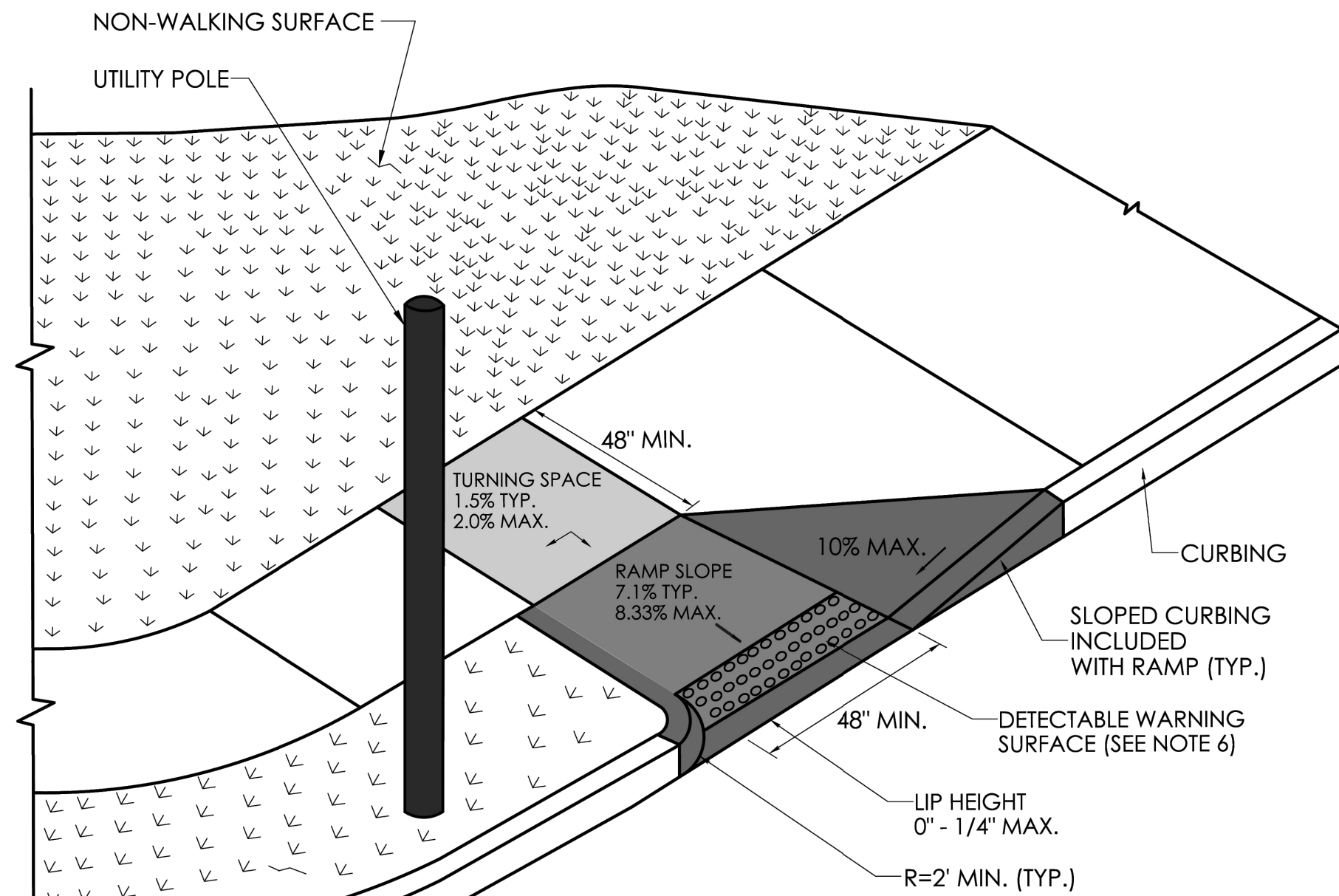
**SINGLE DIRECTION PERPENDICULAR RAMP
(TYPE 8)**



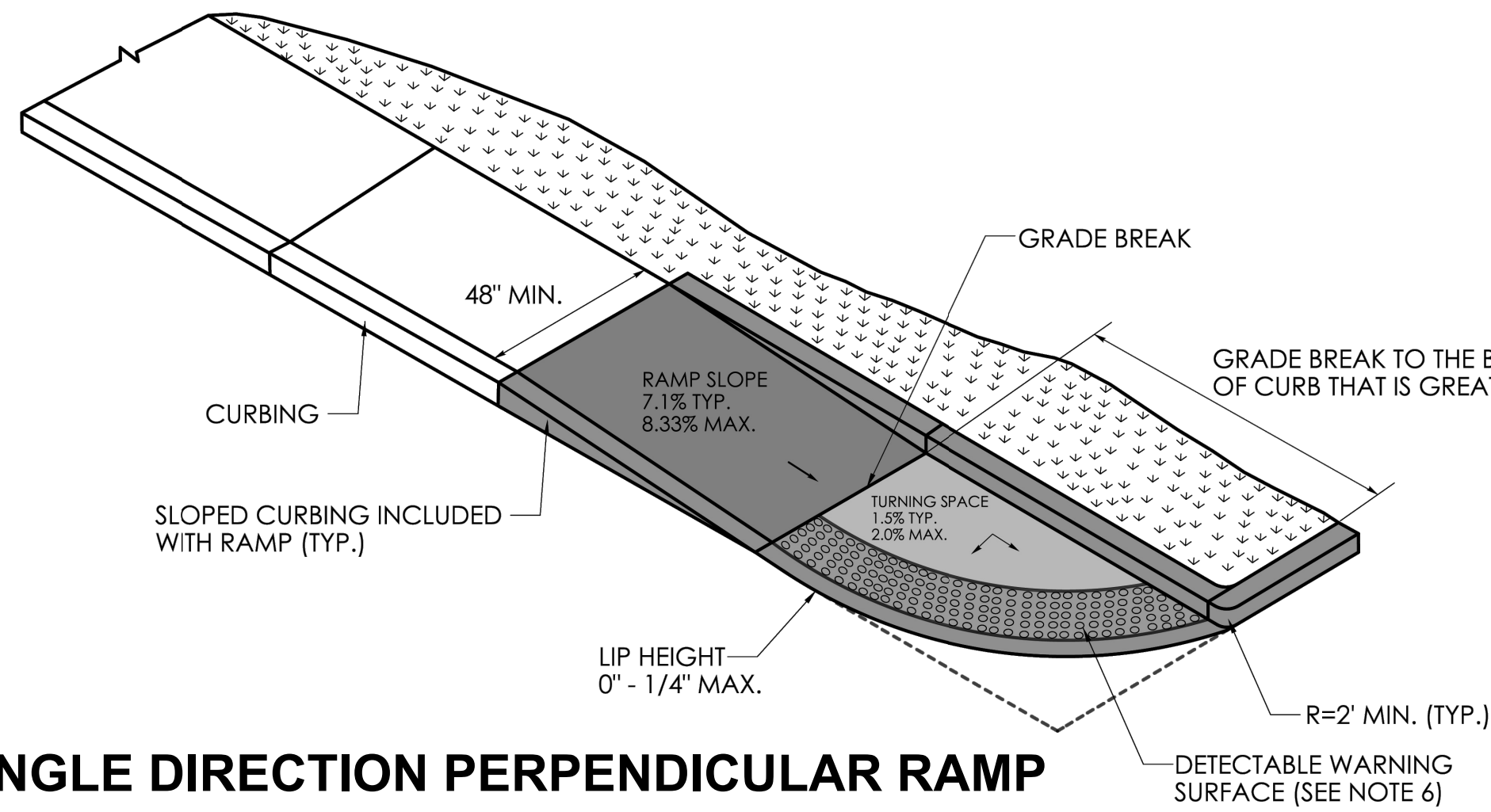
**SINGLE DIRECTION PERPENDICULAR RAMP
WITH GRADE BREAK TO THE BACK OF CURB
THAT IS 5' OR LESS
(TYPE 15)**



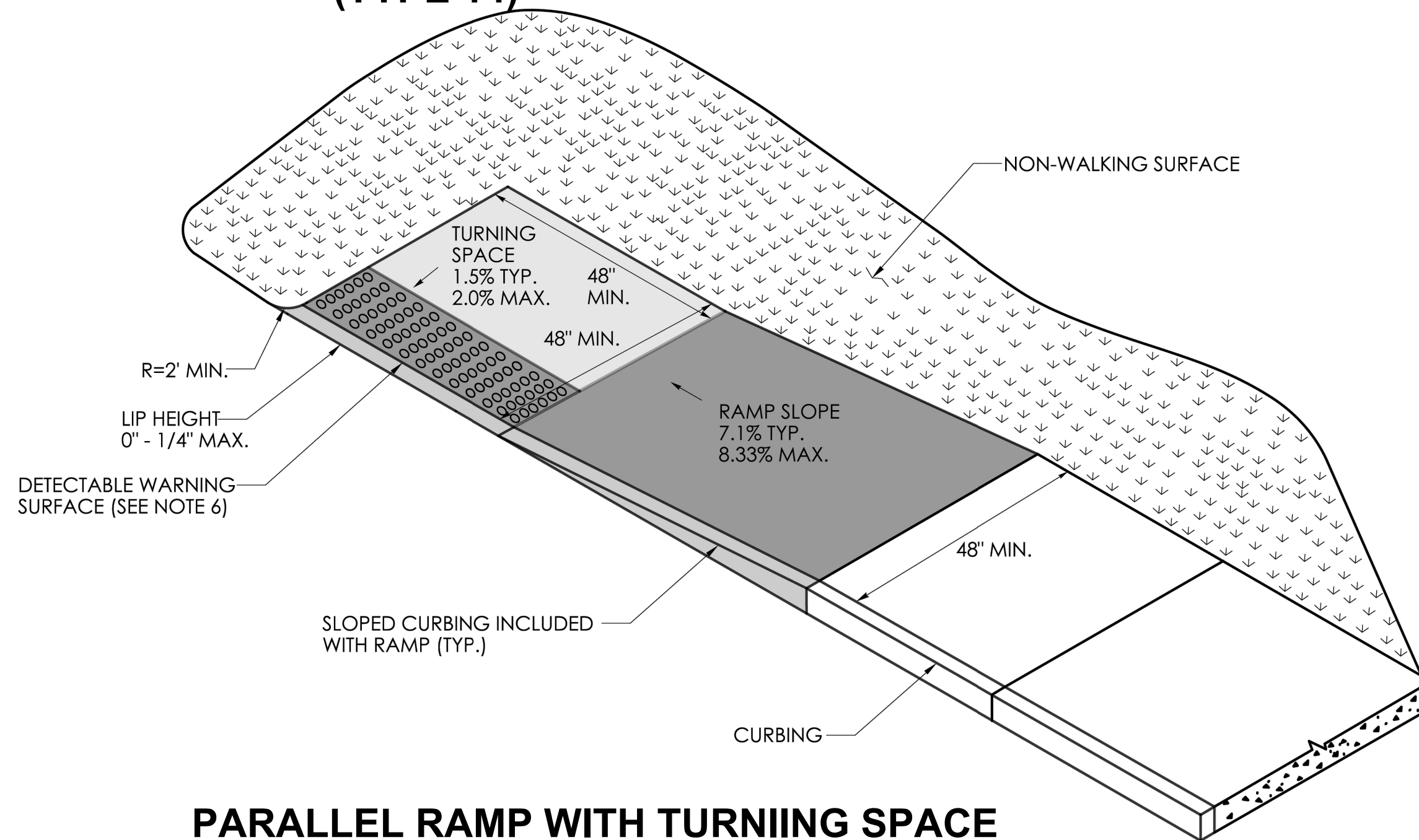
**SINGLE DIRECTION PERPENDICULAR RAMP
RETURN CURB WITH NON-WALKING SURFACE
(TYPE 16)**



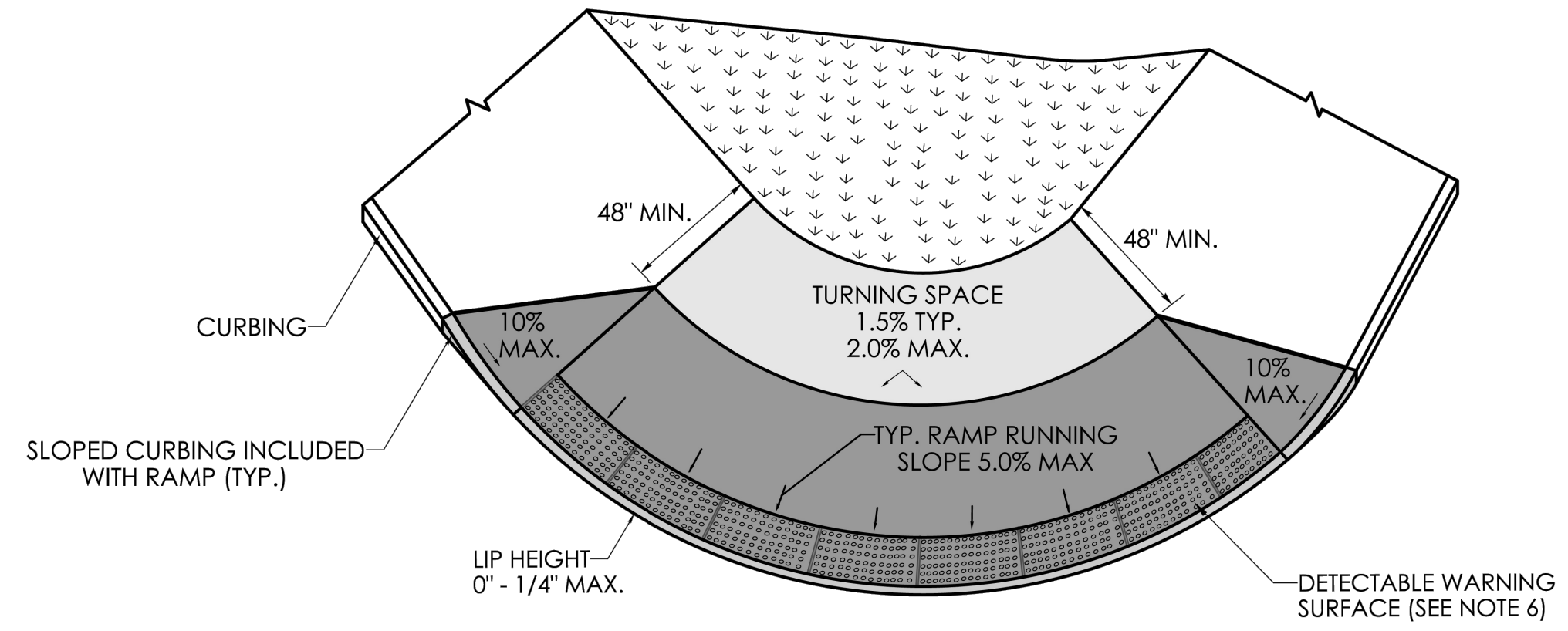
**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 15 RIGHT)**



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



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



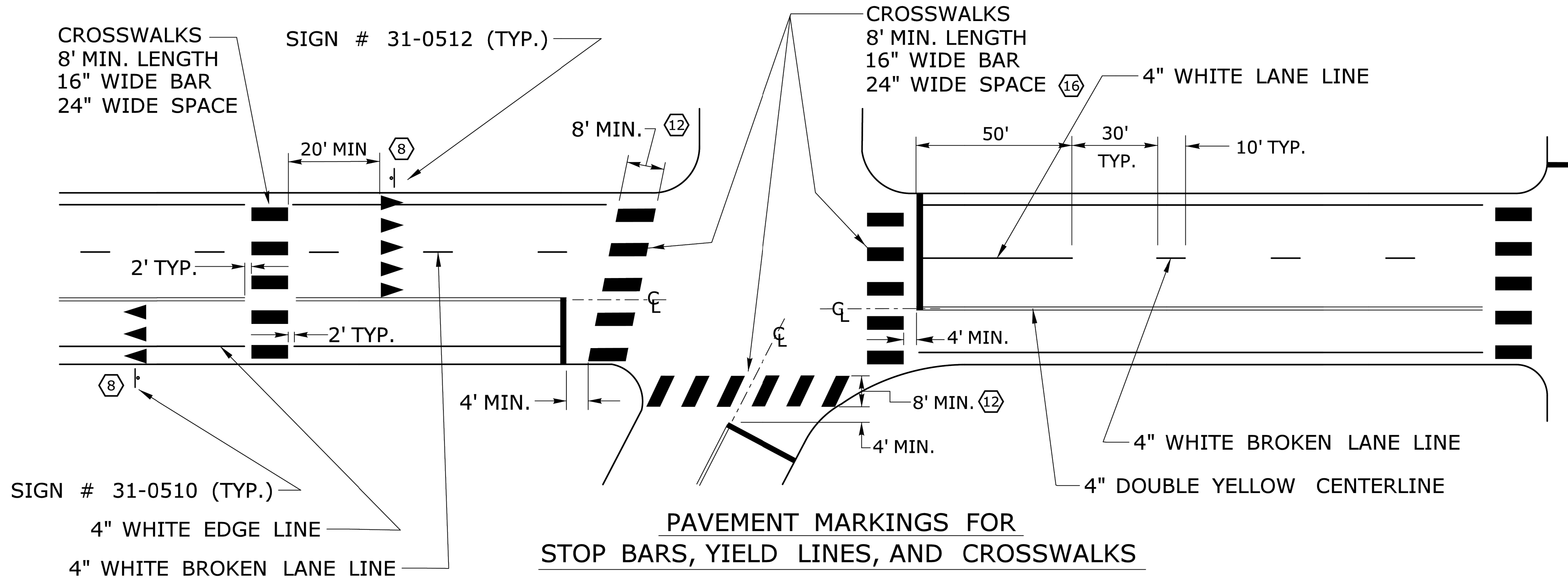
**BLENDED TRANSITION
WITH TURNING SPACE AT TOP
(TYPE 5)**

GENERAL NOTES:

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

REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
NOT FOR CONSTRUCTION				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main Street, P.O. Box 1088 Glastonbury, Connecticut 860.659.3100				
PROJECT				
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACEMENT				
TITLE				
SIDEWALK RAMP DETAILS				
	DATE		SCALE	
	2025.11.21		AS NOTED	
	DRAWN BY	DESIGNED BY	CHECKED BY	
	KLD	JED	JEE	
	PROJECT No.		4010193.24004	
	DRAWING No.			REV.
C5.03				

FILE LOCATION: P:\CT\4010183 - TOWN OF WATERFORD CT\24004-NIANTIC RIVER ROAD SIDEWALK PROJECT - JEE\02-CAD_FILES\CIVIL\PRODUCTION PLANS\DETAILS.DWG, 2026.02.10, 1:25 PM



NOTES:

STOP BARS AND YIELD LINES

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

8. MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS SHALL BE INSTALLED AND SHOULD BE LOCATED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE OR AS DIRECTED BY THE ENGINEER.

WHERE A YIELD LINE EXISTS ON AN APPROACH TO A CROSSWALK, THE APPROPRIATE "YIELD TO PEDESTRIANS" SIGN IS REQUIRED.

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

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

CROSSWALKS

11. CROSSWALK MARKINGS SHALL BE WHITE.

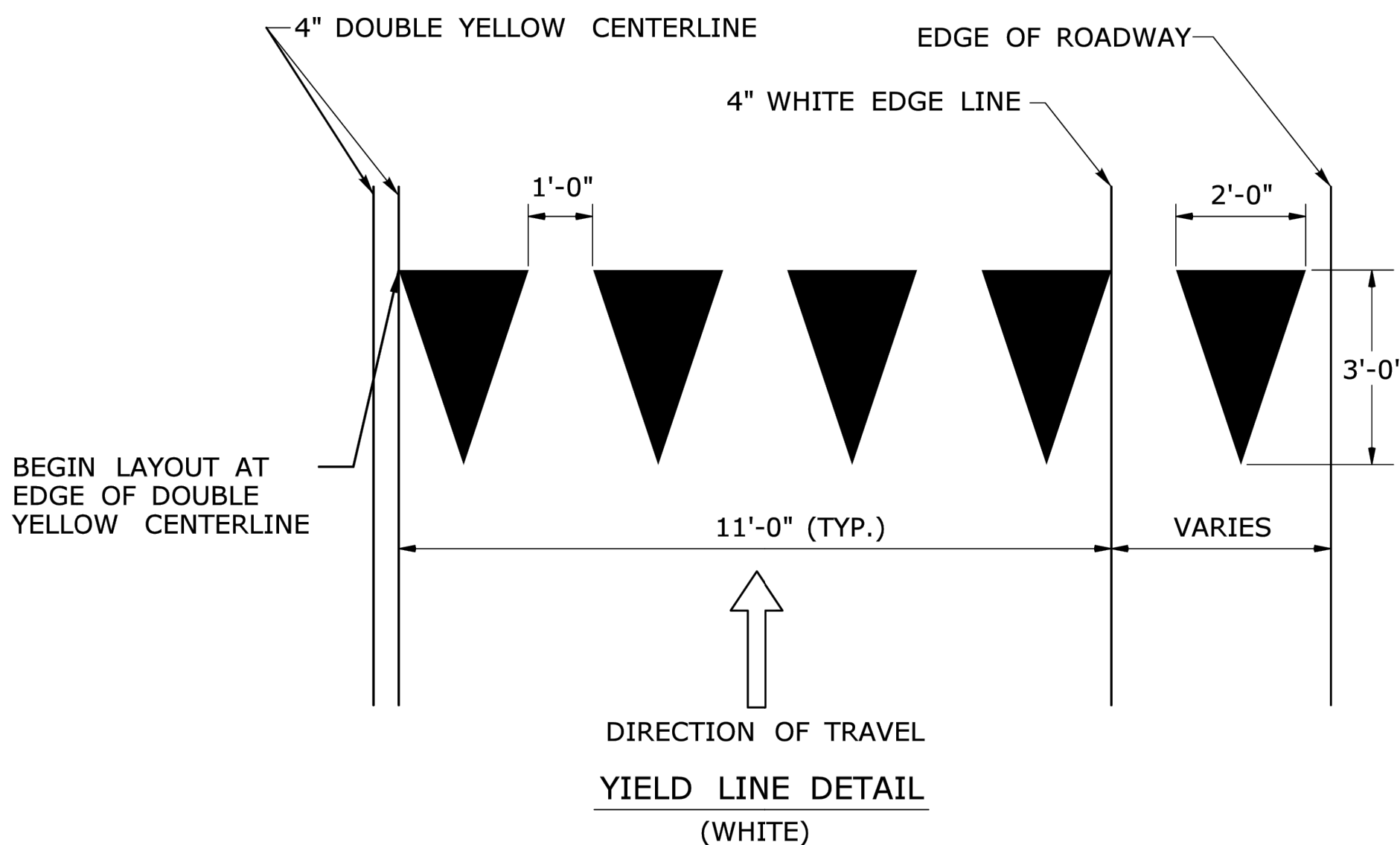
12. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO $\mathcal{C}$ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

13. BARS SHOULD BE NO CLOSER THAN 1' FROM EDGE OF ROAD.

14. ONLY FULL LENGTH BARS ARE TO BE INSTALLED.

15. DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.

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



REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
NOT FOR CONSTRUCTION				
 HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 2210 Main Street, P.O. Box 1088 Glastonbury, Connecticut 860.659.3100 WWW.HALEYWARD.COM				
PROJECT				
TOWN OF WATERFORD NIANTIC RIVER ROAD SIDEWALK REPLACEMENT				
TITLE				
SIDEWALK RAMP DETAILS				
DATE		SCALE		
2025.11.21		AS NOTED		
DRAWN BY		DESIGNED BY		CHECKED BY
KLD		JED		JEE
PROJECT No.		4010193.24004		
DRAWING No.				REV.
C5.04				