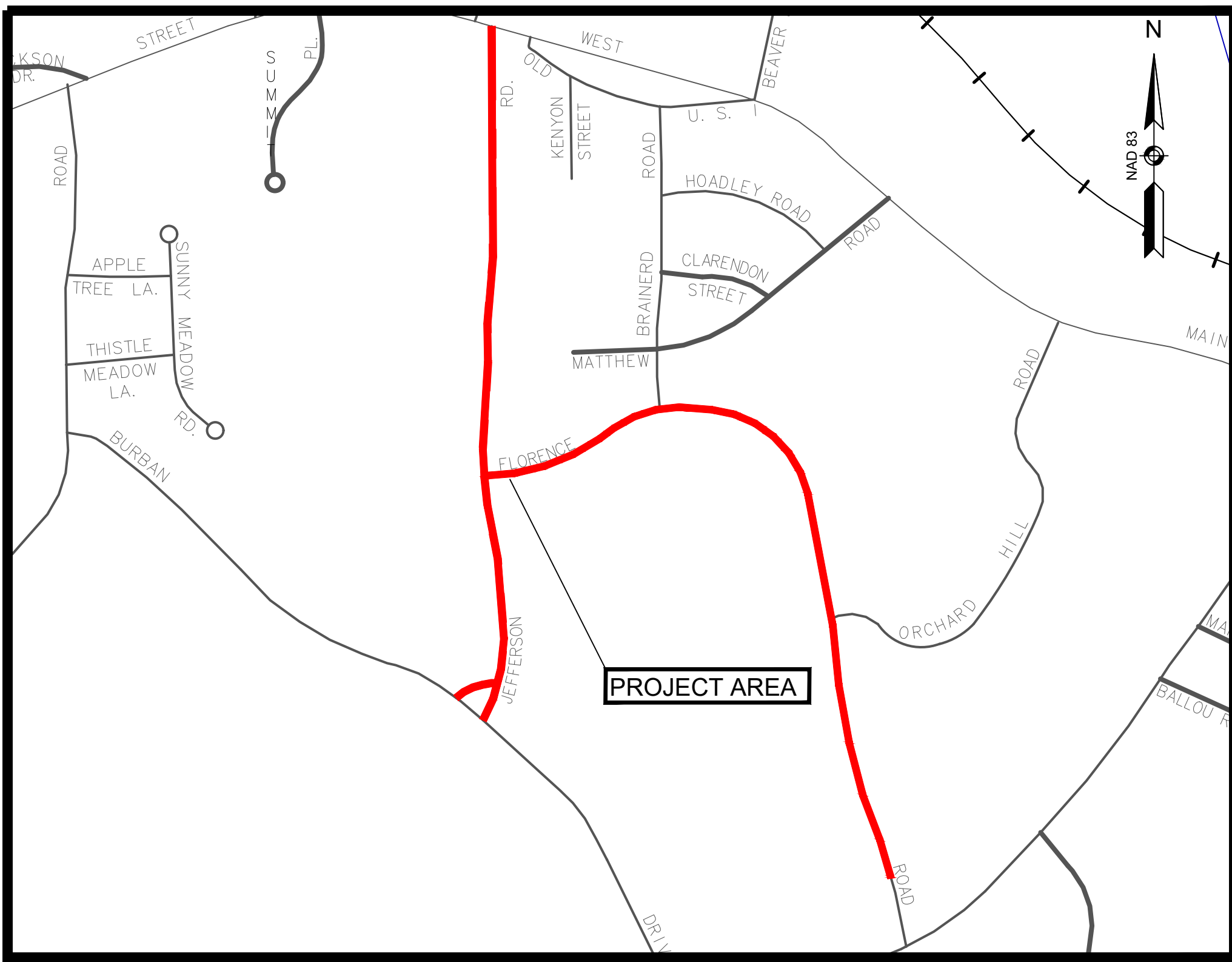


# TOWN OF BRANFORD

## PROJECT #0170-3513GR

### JEFFERSON ROAD & FLORENCE ROAD

### PEDESTRIAN CONNECTIVITY IMPROVEMENTS



SCALE: 1" = 500'  
LENGTH OF PROJECT = 6550 FEET = 1.24 MILES


**JAMES B. COSGROVE**  
**FIRST SELECTMAN**

**JOHN M. HOEFFERLE, PE**  
**TOWN ENGINEER**

THESE PLANS ARE SUPPLEMENTED BY THE 2003 CTDOT HIGHWAY DESIGN MANUAL (INCLUDING REVISIONS TO JANUARY 2023), THE FORM 819, THE MANUAL ON UNIFORM CONTROL DEVICES (11TH EDITION), THE TOWN OF BRANFORD ZONING REGULATIONS AND PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (WITH SUP).

#### INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	CONSTRUCTION NOTES, LEGEND & TYPICAL SECTIONS
3-8	EXISTING CONDITIONS & DEMO PLAN
9-14	SITE PLAN
15-16	STANDARD DETAILS

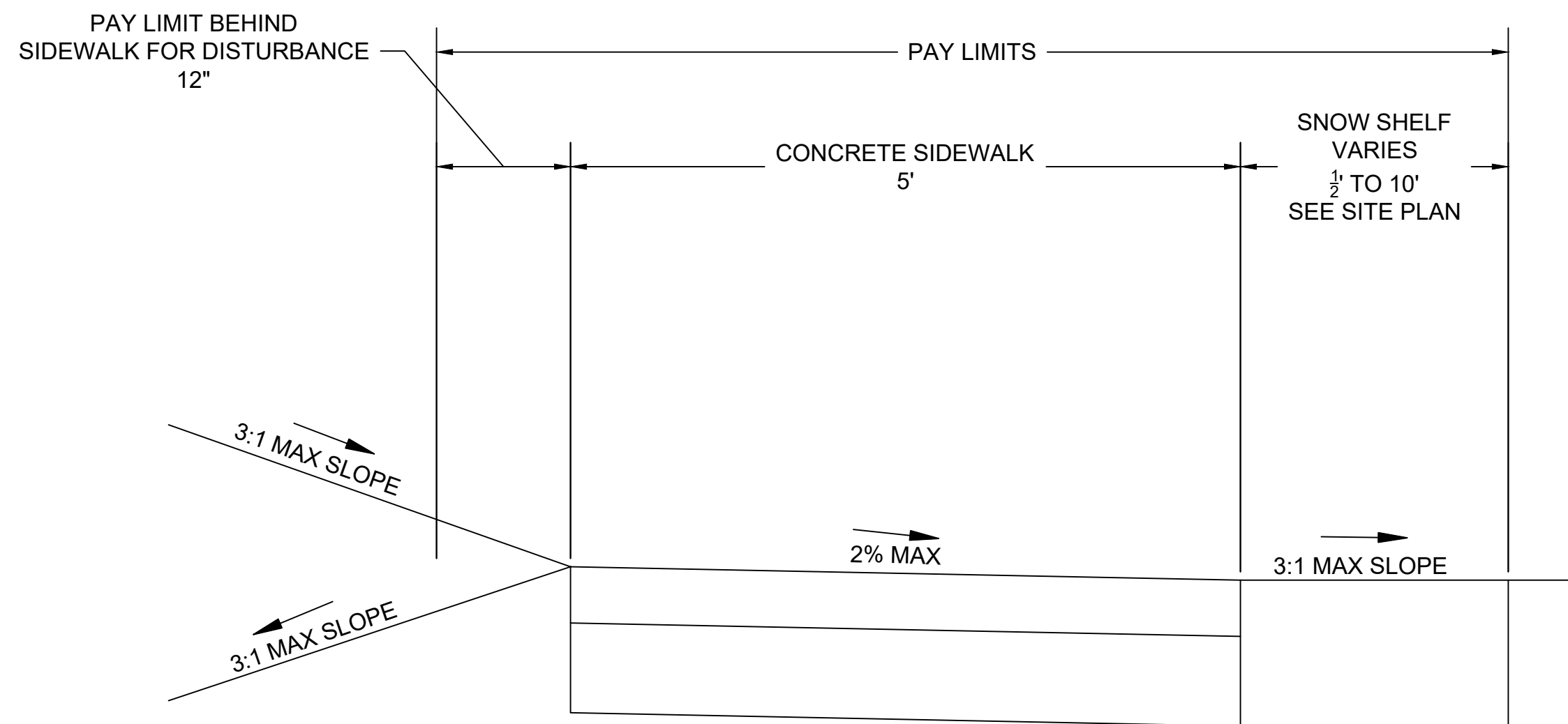
	DATE	DESCRIPTION	REV #
1019 MAIN ST P.O. BOX 150 BRANFORD, CT 06405	<div><div>TOWN OF BRANFORD ENGINEERING DEPARTMENT</div></div>		
DATE PLOTTED: 9.27.2024			

1. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER, FIELD VERIFY LOCATION OF PROJECT FEATURES.
2. THE CONTRACTOR SHALL PERFORM NECESSARY CONSTRUCTION NOTIFICATION, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
3. THE PERMITTEE SHALL CONTACT MS. JENNIFER CARO, DEPARTMENT'S DISTRICT SURVEY UNIT, AT 203-389-3112 OR JENNIFER.CARO@CT.GOV PRIOR TO ANY CONSTRUCTION WITHIN THE STATE RIGHT-OF-WAY.
4. IF ANY CTDOT BOUNDARY/SURVEY MARKERS GET DISTURBED OR DAMAGED DURING CONSTRUCTION, THE DEPARTMENT WILL FURNISH NEW MONUMENTS, WHICH THE PERMITTEE WILL BE REQUIRED TO INSTALL AT THE DIRECTIONS OF THE DISTRICT 3 SURVEY UNIT AND ACCORDING TO CTDOT SPECIFICATIONS.
5. IF ANY TOWN BOUNDARY/SURVEY MARKERS GET DISTURBED OR DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW MONUMENT AT THE DIRECTIONS OF THE TOWN OF BRANFORD ENGINEERING DEPARTMENT AND ACCORDING TO THE MOST RECENT SURVEYING STANDARDS.
6. ANY COST ASSOCIATED WITH RESETTling OR INSTALLATION OF NEW MONUMENTS SHALL BE AT THE CONTRACTORS EXPENSE.
7. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE TOWN.
8. PAVEMENT SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
9. THE CONTRACTOR SHALL GRADE PROPOSED SLOPES TO MEET EXISTING SLOPES WHERE SHOWN ON PLANS, IN ACCORDANCE WITH THE MINIMUM AND MAXIMUM SLOPES SPECIFIED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE PROPER STORM DRAINAGE AND SANITARY FLOWS ARE MAINTAINED THROUGHOUT CONSTRUCTION.
11. FENCES, MAILBOXES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK.
12. ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING.
13. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
14. DURING THE PROCESS OF WORK, THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE AREA OF CONSTRUCTION ACTIVITIES, INCLUDING SWEEPING AND SPRINKLING OF STREETS AS NECESSARY, TO MINIMIZE CREATION AND DISPERSION OF DUST.
15. THE CONTRACTOR SHALL TAKE STEPS FOR THE PROTECTION OF MATERIALS, INCLUDING STEPS TO PROTECT THE SITE FROM VANDALISM, UNAUTHORIZED INVESTIGATIONS, ACCIDENTAL DAMAGE, AND DAMAGE FROM SUCH CAUSES AS HEAVY RAINFALL OR RUNOFF. ANY OCCURRED DAMAGE DUE TO INADEQUATE SITE PROTECTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN.
16. NO WORK WILL BE AUTHORIZED TO BE PERFORMED ON SATURDAY AND SUNDAY OR DURING A HOLIDAY WITHOUT TOWN AUTHORIZATION.
17. PROVIDE SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
18. THE CONTRACTOR SHALL COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
19. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE CBVD PROJECT REFERENCES NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
20. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
21. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
22. THE CONTRACTORS SHALL BE RESPONSIBLE FOR RESETTling OF FRAMES, GRATES, GATES, VALVE BOXES ETC., WHICH SHALL BE DONE IN ACCORDANCE WITH THE INDIVIDUAL UTILITY COMPANY REQUIREMENTS AND THE METHODS OUTLINED IN THE FOLLOWING NOTES.
23. RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GAS AND WATER GATES AND PULL BOXES, AND OTHER STRUCTURES SHALL BE SET OR RESET FLUSH TO FINISH GRADE. SANITARY FRAME AND COVERS SHALL BE REPLACED IF REQUIRED BY THE ENGINEER.

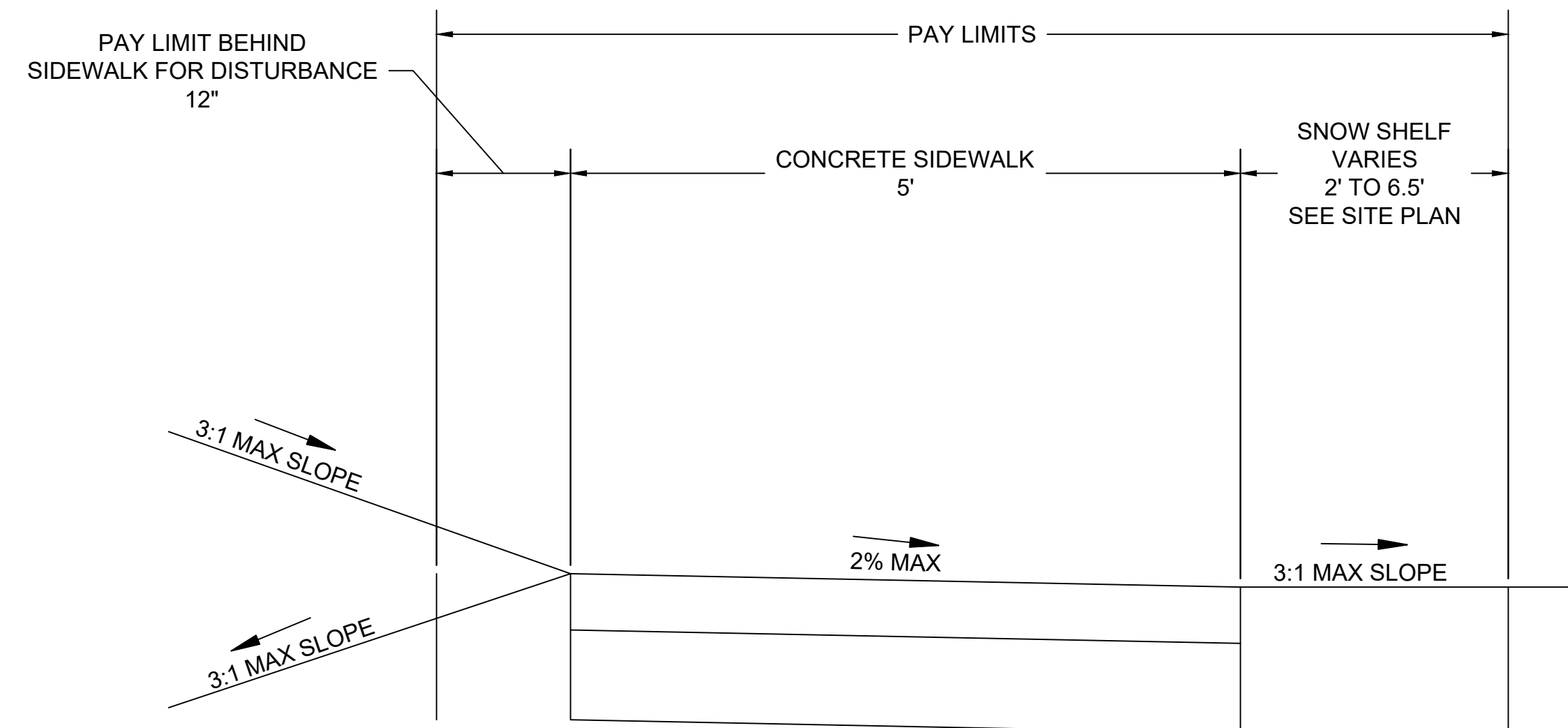
1. ALL WORK WITHIN THE STATE RIGHT-OF-WAY WILL COMPLY WITH FORM 819, "THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION" WITH THE LATEST SPECIAL PROVISIONS AND TYPICAL STATE STANDARD DETAILS. IN ANY CASE WHERE THE CONSTRUCTION IS NOT SPECIFICALLY DETAILED IN THE FORM 819, THE WORK WILL BE COMPLETED AS DIRECTED BY THE ENGINEER OR DISTRICT PERMIT SECTION REPRESENTATIVE.
2. REMOVAL OF PAVEMENT MARKINGS ALONG STATE ROADWAYS SHALL BE COMPLETED BY A NON-DESTRUCTIVE METHOD IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 819 SECTION 12.11 AS REVISED.
3. NEW PAVEMENT MARKINGS SHALL BE PAINTED WITH EPOXY RESIN PAINT IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 819 SECTION 12.10 AS REVISED.
4. NEW SIGN MATERIAL AND SHEETING SHALL BE MADE OF REFLECTIVE MATERIAL IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 819 SECTION 12.08 AS REVISED. TYPE 1 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH WHITE BACKGROUND, TYPE 3 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH COLORED BACKGROUND EXCEPT FOR SIGNS WITH RED BACKGROUND THAT SHALL BE TYPE 8 OR 9 REFLECTIVE SHEETING.
5. ALL SIGNS AND PAVEMENT MARKINGS INSTALLED WITHIN THE STATE RIGHT OF WAY MUST CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST STATE OF CONNECTICUT CATALOG OF SIGNS, AS REVISED.
6. EXCAVATION, INCLUDING REMOVAL OF ANY EXISTING SIDEWALK (TUMINOUS OR CONCRETE) AND CURBING SHALL BE MADE TO THE REQUIRED DEPTHS BELOW THE FINISHED GRADE, AS SHOWN ON THE PLANS OR AS DIRECTED. WHEN CONNECTING NEW CONCRETE SIDEWALK TO A SECTION OF EXISTING CONCRETE SIDEWALK, THE CONNECTION POINT SHALL BE AT THE NEAREST JOIN IN THE EXISTING SIDEWALK. THE SURFACE OF THE CONCRETE SHALL BE FINISHED WITH A WOOD FLOAT OR BY OTHER APPROVED MEANS. THE OUTSIDE EDGES OF THE SLAB AND ALL JOINTS SHALL BE EDGED WITH A 1/4 INCH RADIUS EDGING TOOL. EACH SLAB SHALL BE DIVIDED INTO 2 OR MORE SECTIONS BY FORMING DUMMY JOINTS WITH A JOINTING TOOL AS DIRECTED.
7. ANY DAMAGE TO THE EXISTING CURB, SIDEWALK OR ANY OTHER HIGHWAY APPURTENANCES DURING THE DEVELOPMENT OF THE PERMITTED SITE WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE DISTRICT 3 PERMIT SECTION AT NO COST TO THE STATE OR TOWN.
8. THE DETECTABLE WARNING SURFACE FOR NEW CONSTRUCTION SHALL BE SET DIRECTLY IN PLASTIC CONCRETE AND EACH TILE SHALL BE WEIGHED DOWN TO PREVENT THE TILE FROM FLOATING AFTER PLACEMENT IN WET CONCRETE IN ACCORDANCE WITH CURING PROCEDURES. INSTALL DETECTABLE WARNING SURFACE ACCORDING TO THE PLANS AND THE MANUFACTURER'S REQUIREMENTS, OR AS DIRECTED BY THE ENGINEER.

1. STATE RIGHT-OF-WAY DELINEATION SHOWN ON PLANS WERE VERIFIED WITH THE STATE RIGHT-OF-WAY MAPS.
2. EXISTING FEATURES OUTSIDE THE LISTED DRAWINGS BELOW, INCLUDING BUT NOT LIMITED TO, EDGE OF PAVEMENT, UTILITIES, AND TREELINES HAVE BEEN DIGITIZED FROM AERIAL IMAGERY. LOCATIONS OF THE EXISTING FEATURES ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION
3. THE INFORMATION SHOWN ON THE DRAWINGS WAS SUPPLEMENTED BY THE FOLLOWING PLANS AND SURVEYS:
  - 3.1. CRISCUOLO ENGINEERING LLC - "EXISTING CONDITIONS FLORENCE ROAD AT ORCHARD HEIGHTS CONDOMINIUMS BRANFORD, CONNECTICUT" - APRIL 5, 2024
  - 3.2. CRISCUOLO ENGINEERING LLC - "EXISTING CONDITIONS WEST MAIN STREET & JEFFERSON ROAD BRANFORD, CONNECTICUT" - APRIL 5, 2024
  - 3.3. CRISCUOLO ENGINEERING LLC - "EXISTING CONDITIONS BURBAN DRIVE AND JEFFERSON ROAD BRANFORD, CONNECTICUT" - MAY 4, 2023

	PROPERTY LINE		—650—	CONTOURS
	RIGHT OF WAY		× 621.5	SPOT ELEVATION
	EASEMENT LINE			CONIFEROUS TREE
	STONE WALL			DECIDUOUS TREE
	STRUCTURE			SHRUB
	EDGE OF PAVEMENT			TREE LINE
	TEST BORING			CHAIN LINK FENCE
	CATCH BASIN			WOOD FENCE
	STORM MANHOLE			GUIDELINE
	SANITARY MANHOLE			LIGHT POLE
	UNKNOWN MANHOLE			UTILITY POLE
	WATER			HYDRANT
	GAS			WATER VALVE
	ELECTRIC			GAS VALVE
	TELEPHONE			MONUMENT FOUND
	FIBER OPTIC LINE			IRON PIPE OR PIN FOUND
	OVERHEAD WIRES			DRILL HOLE FOUND
	SANITARY			
	SANITARY FORCE MAIN			



SEE SITE PLAN FOR SIDEWALK DIMENSIONS  
FROM STA. 37+86.00 TO STA. 40+00.00



The diagram illustrates the cross-section of a concrete sidewalk and its connection to the street. Key features include:

- PAY LIMITS:** A horizontal dimension line at the top indicates the extent of the pay limits.
- PAY LIMIT BEHIND SIDEWALK FOR DISTURBANCE 12":** A vertical line marks the boundary for disturbance, with a 12-inch dimension.
- CONCRETE SIDEWALK - MONOLITHIC 5.5':** A horizontal dimension line indicates the width of the concrete sidewalk is 5.5 feet.
- 3:1 MAX SLOPE:** Two sloped lines on the left side of the sidewalk, one above and one below the main sidewalk level, both labeled with a 3:1 maximum slope.
- 2% MAX:** A horizontal line on the right side of the sidewalk, labeled with a 2% maximum slope.

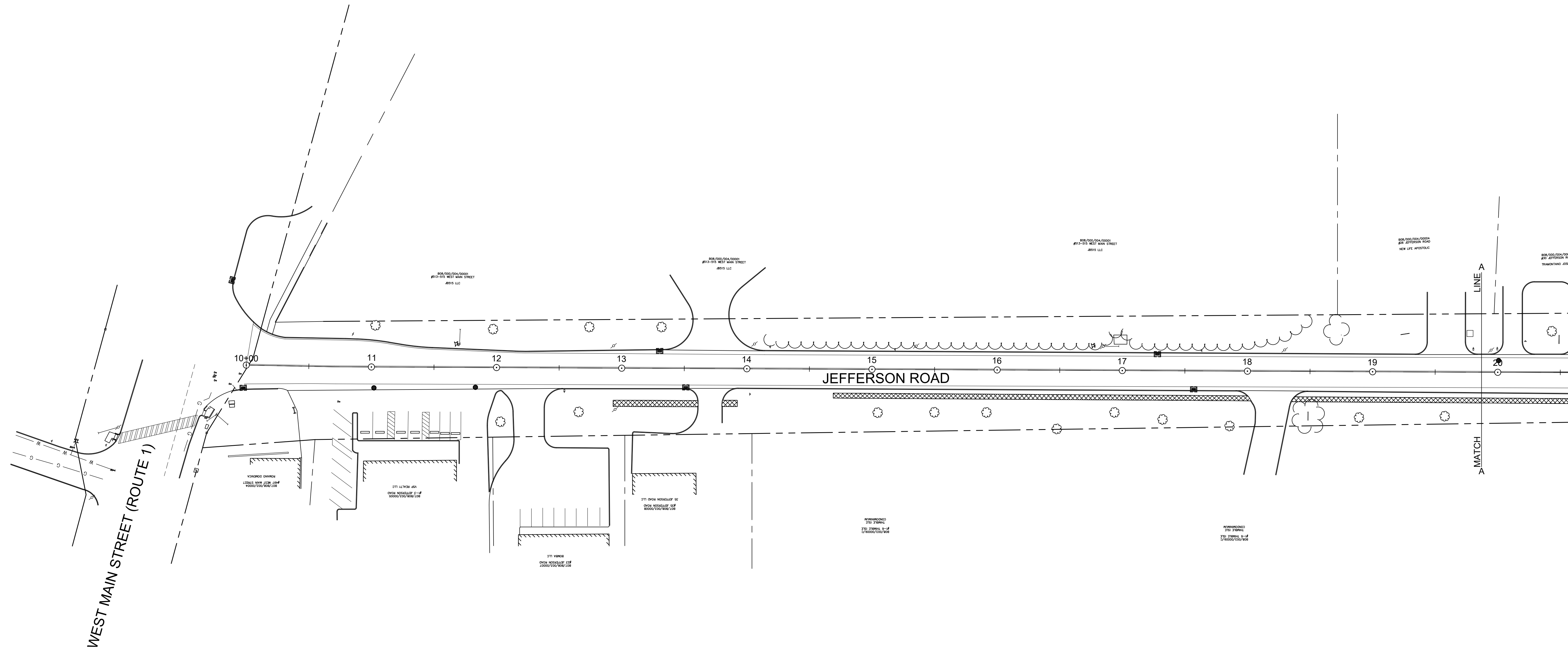
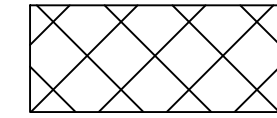
**TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
CONSTRUCTION NOTES, LEGEND & TYPICAL SECTIONS**

[illegible]



LEGEND:

REMOVE & DISPOSE



WEST MAIN STREET (ROUTE 1)

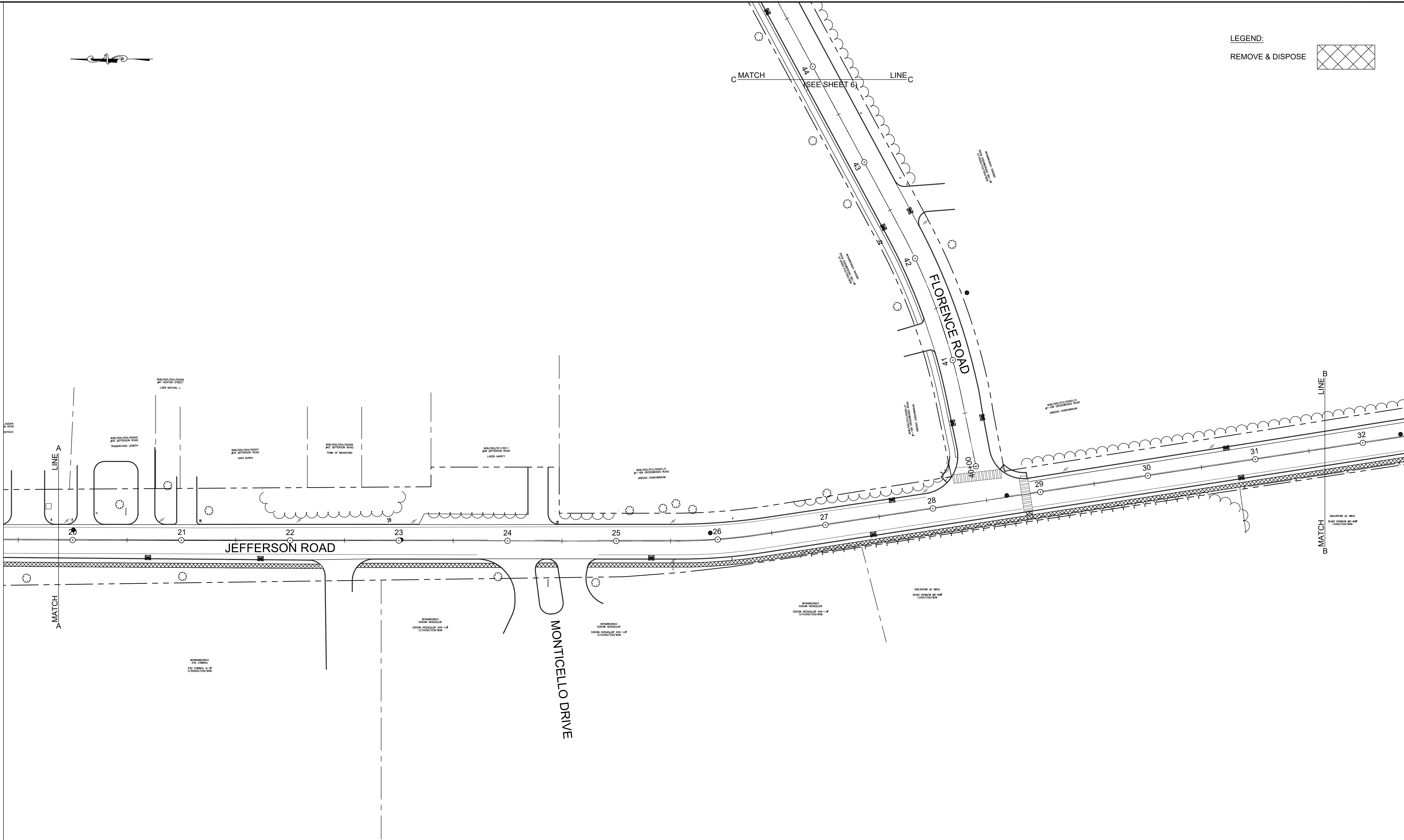
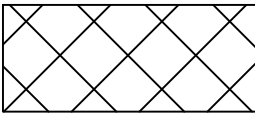
**TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
EXISTING CONDITIONS & DEMOLITION PLAN**

[illegible]



LEGEND:

REMOVE & DISPOSE

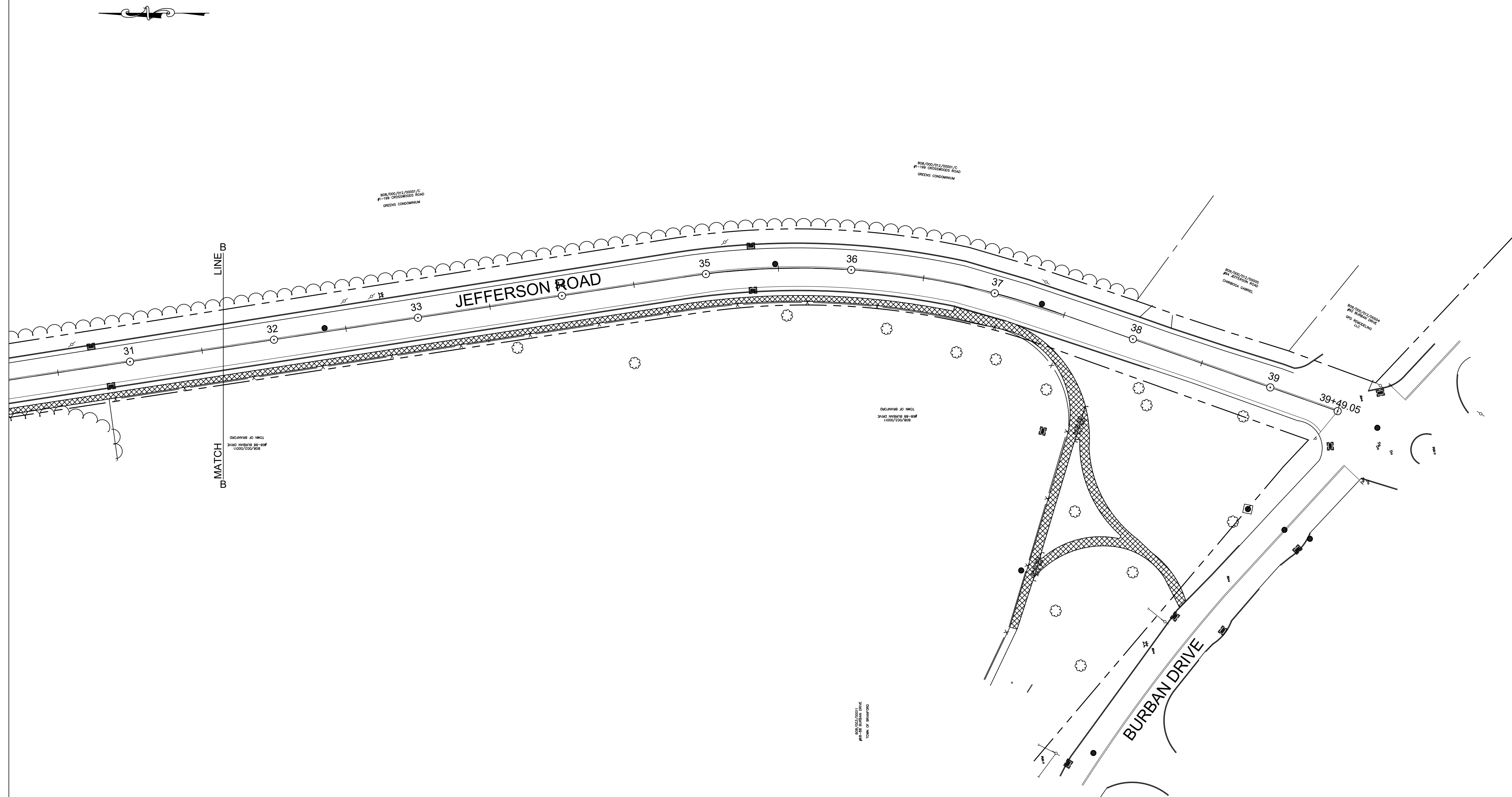


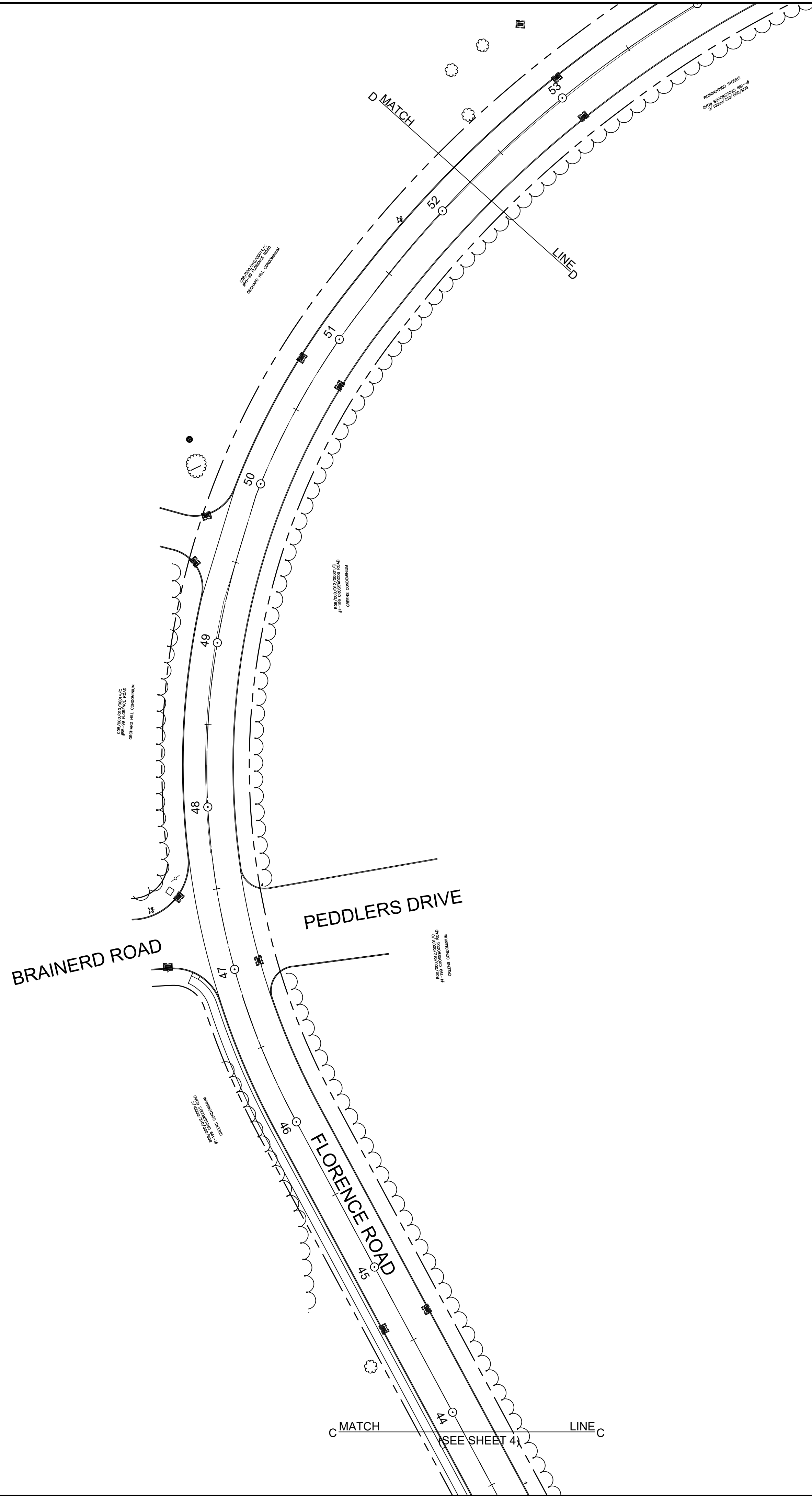
TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
EXISTING CONDITIONS & DEMOLITION PLAN



SUBMITTED BY: KAO		DATE: 11.5.2024		SCALE: 1/4" = 1'-0"
APPROVED BY: JMH				
EXISTING CONDITIONS.dwg				
REVISIONS	BY		DESCRIPTION	
	DATE			







LEGEND:

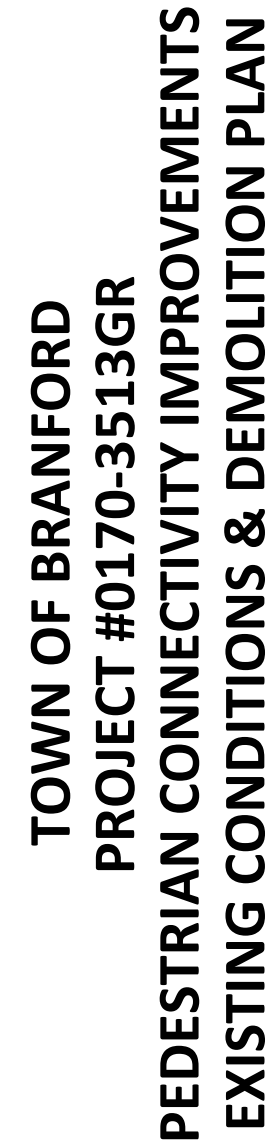
REMOVE & DISPOSE

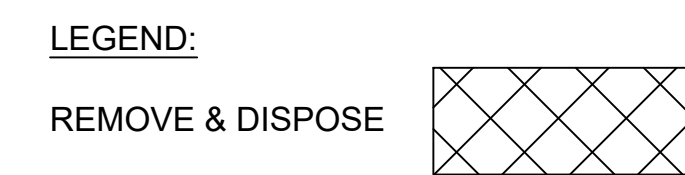


TOWN OF BRANFORD  
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PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
EXISTING CONDITIONS & DEMOLITION PLAN



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APPROVED BY: JMH		DATE:		REVISIONS	
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EXISTING CONDITIONS.dwg		DATE		BY	
REVISION NO.		DATE		BY	

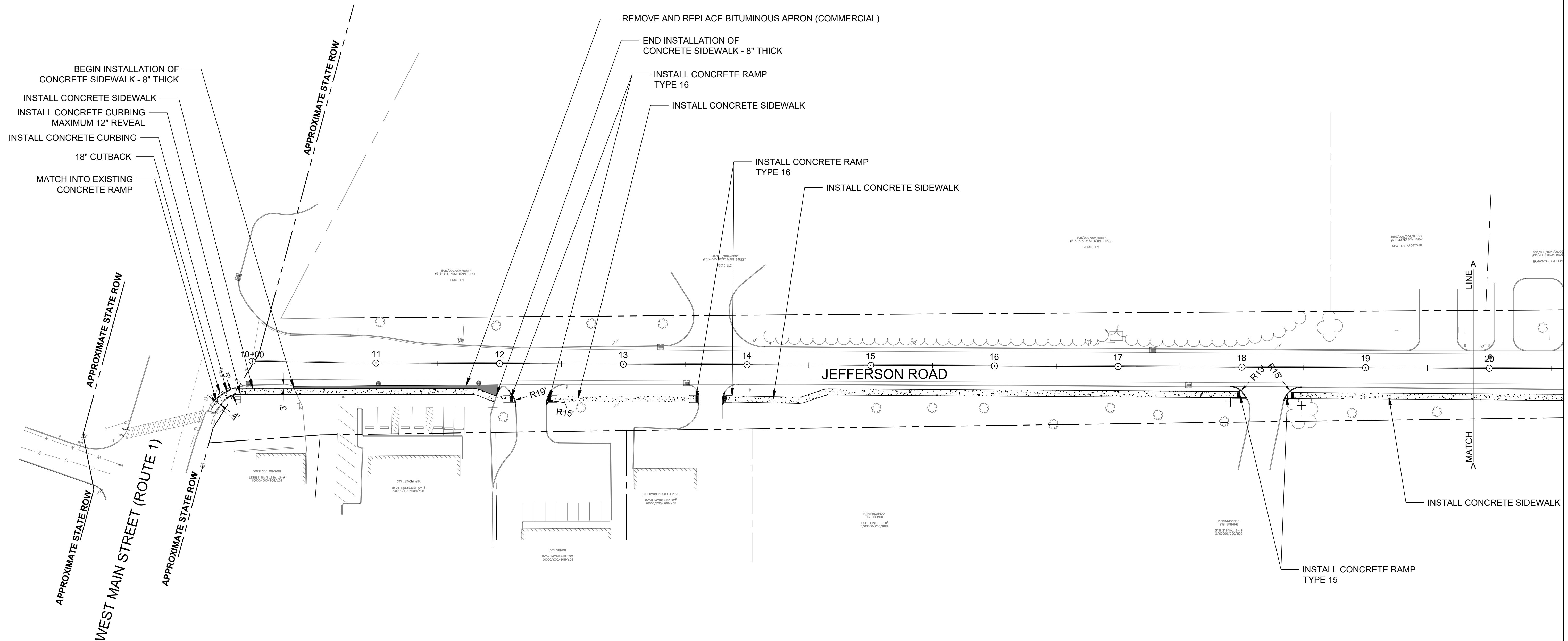
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**TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
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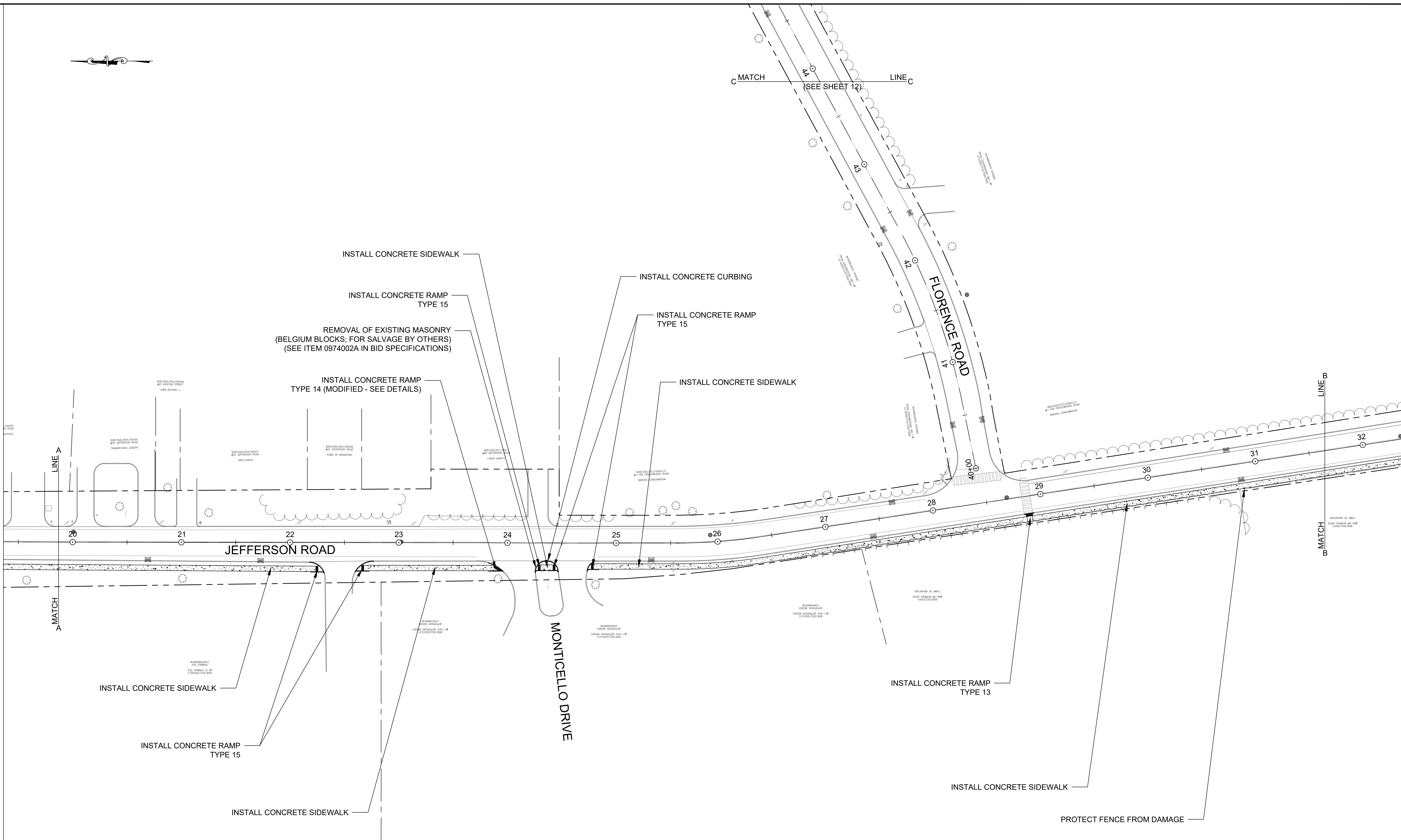
- NOTES:
1. ALL CONCRETE RAMPS SHALL REQUIRE AN 18" CUTBACK.
  2. ALL CONCRETE SIDEWALK SHALL BE 5' WIDE UNLESS OTHERWISE SHOWN ON PLANS.
  3. ALL TREES SHALL BE PROTECTED UNLESS OTHERWISE SHOWN ON PLANS.
  4. CONTRACTOR SHALL FURNISH AND INSTALL TOPSOIL AND TURF ESTABLISHMENT ALONG ALL DISTURBED AREAS.



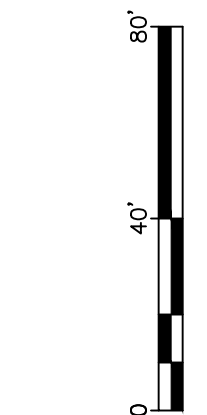
TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
SITE PLAN



DATE: 11.5.2024		SCALE: 1"=40'	
SUBMITTED BY: KAO		REVISIONS	
APPROVED BY: JMH		BY	DATE
FILE NAME: SITE PLAN.dwg		REVISION NO.	DESCRIPTION



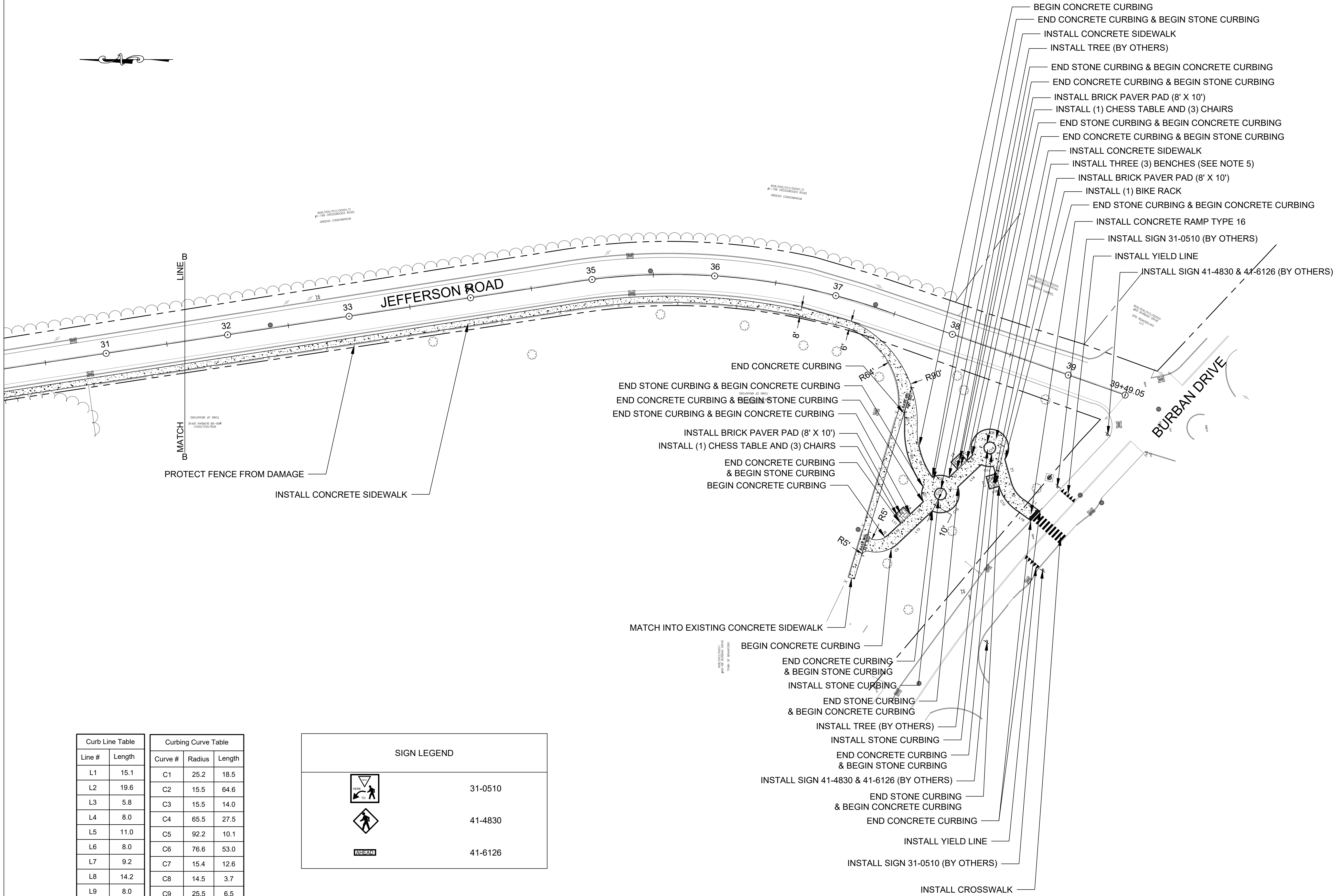
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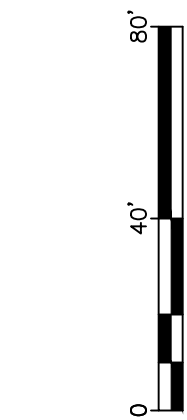


Curb Line Table	
Line #	Length
L1	15.1
L2	19.6
L3	5.8
L4	8.0
L5	11.0
L6	8.0
L7	9.2
L8	14.2
L9	8.0
L10	11.0
L11	8.0
L12	13.6
L13	38.9
L14	26.1
L15	6.0
L16	8.0
L17	11.0
L18	8.0
L19	13.7

Curbing Curve Table			
Curve #	Radius	Length	
C1	25.2	18.5	
C2	15.5	64.6	
C3	15.5	14.0	
C4	65.5	27.5	
C5	92.2	10.1	
C6	76.6	53.0	
C7	15.4	12.6	
C8	14.5	3.7	
C9	25.5	6.5	
C10	15.5	36.9	
C11	15.5	9.8	
C12	36.1	25.4	
C13	5.0	31.2	
C14	5.0	31.3	

SIGN LEGEND	
	31-0510
	41-4830
	41-6126

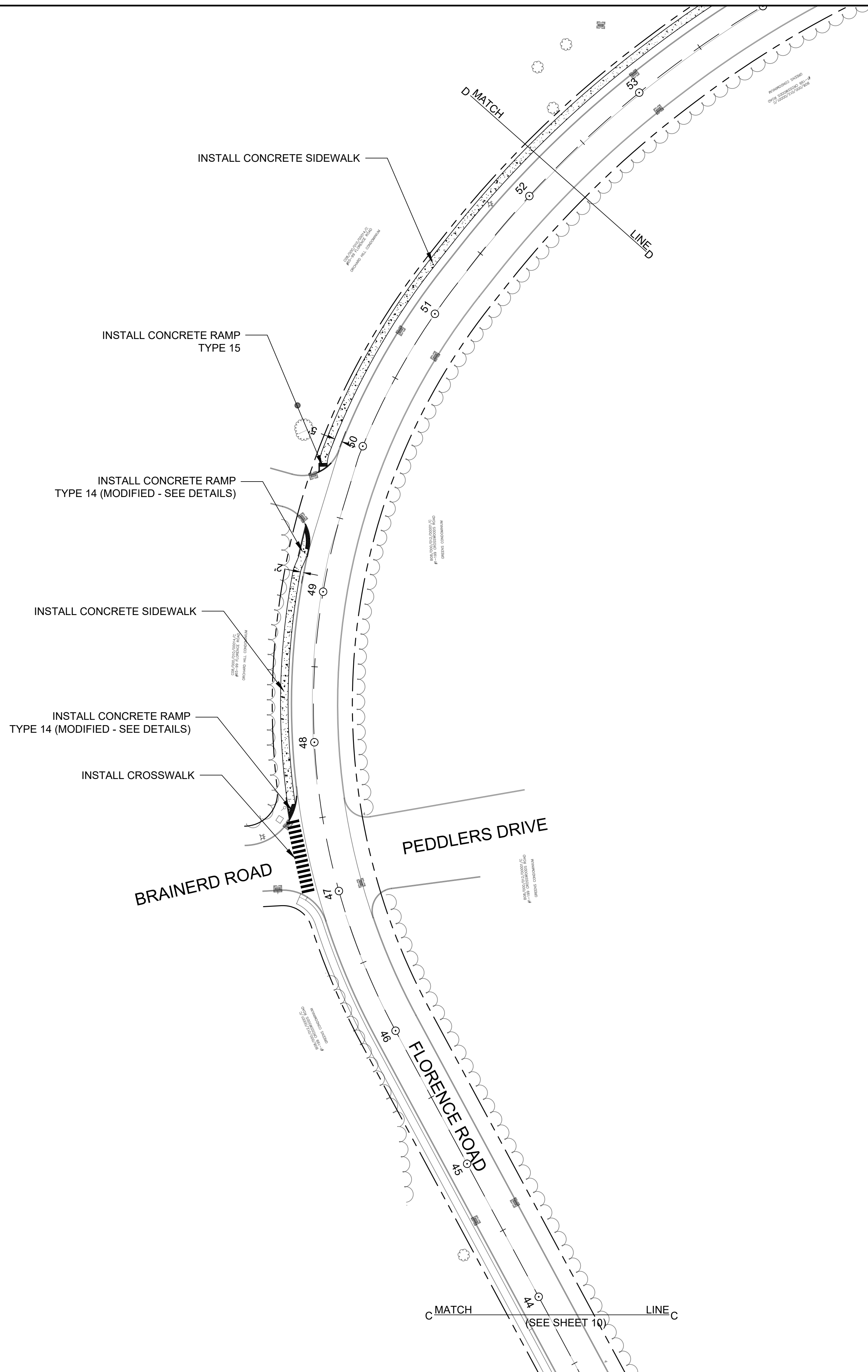
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  3. ALL TREES SHALL BE PROTECTED UNLESS OTHERWISE SHOWN ON PLANS.
  4. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
  5. LOCATION OF AMENITIES (E.G. BENCHES) SHALL BE DECIDED BY ENGINEER ON SITE.
  6. CONTRACTOR SHALL FURNISH AND INSTALL TOPSOIL AND TURF ESTABLISHMENT ALONG ALL DISTURBED AREAS.



TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
SITE PLAN



SUBMITTED BY: KAO APPROVED BY: JMH FILE NAME: SITE PLAN.dwg	DATE: 11.5.2024		SCALE: 1/4" = 1'	
	REVISIONS	BY	DATE	DESCRIPTION



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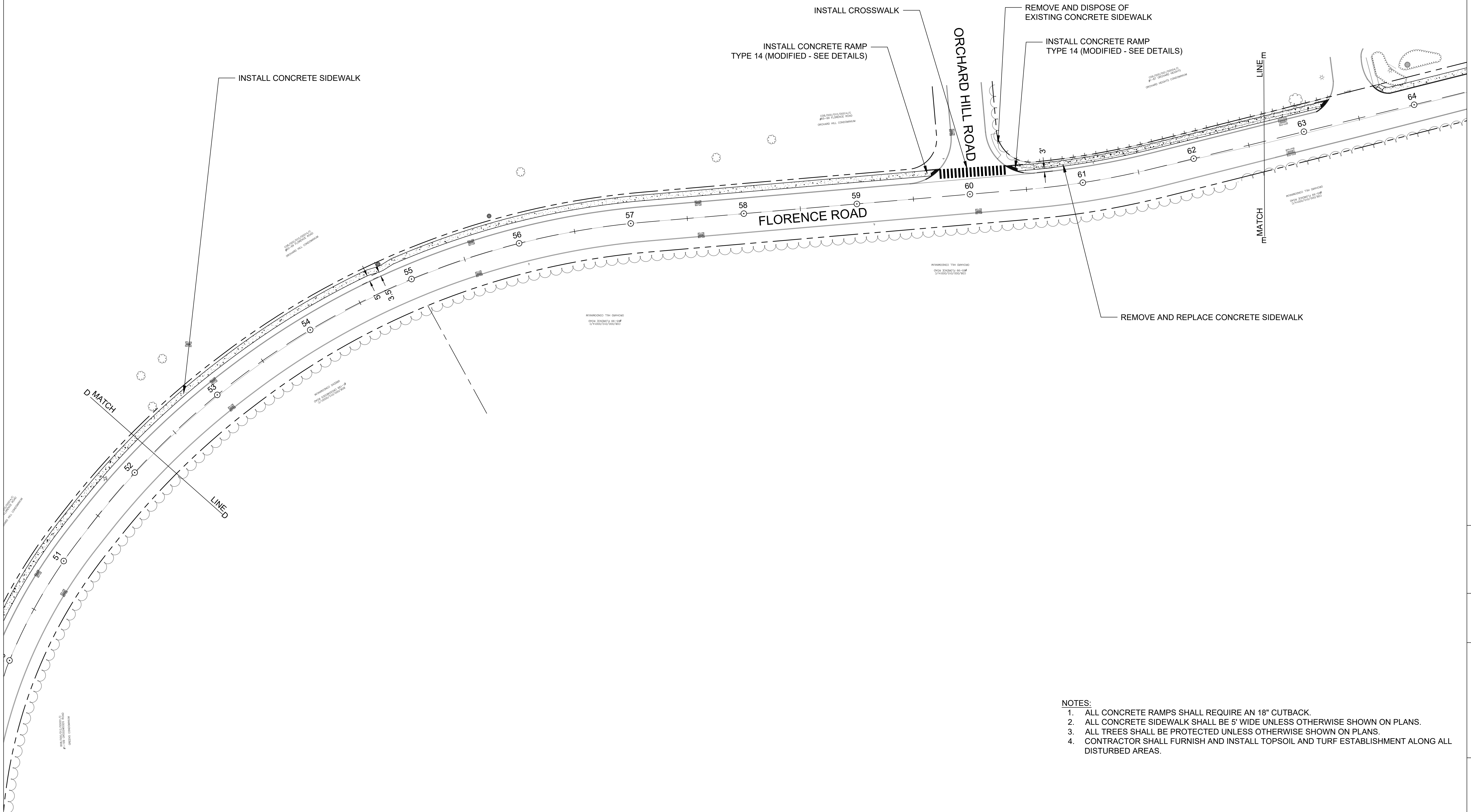


TOWN OF BRANFORD  
PROJECT #0170-3513GR  
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SITE PLAN

SUBMITTED BY: KAO		DATE: 11.5.2024		SCALE: 1"=40'	
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FILE NAME: SITE PLAN.dwg		REVISION NO.		BY	
		DATE		DESCRIPTION	





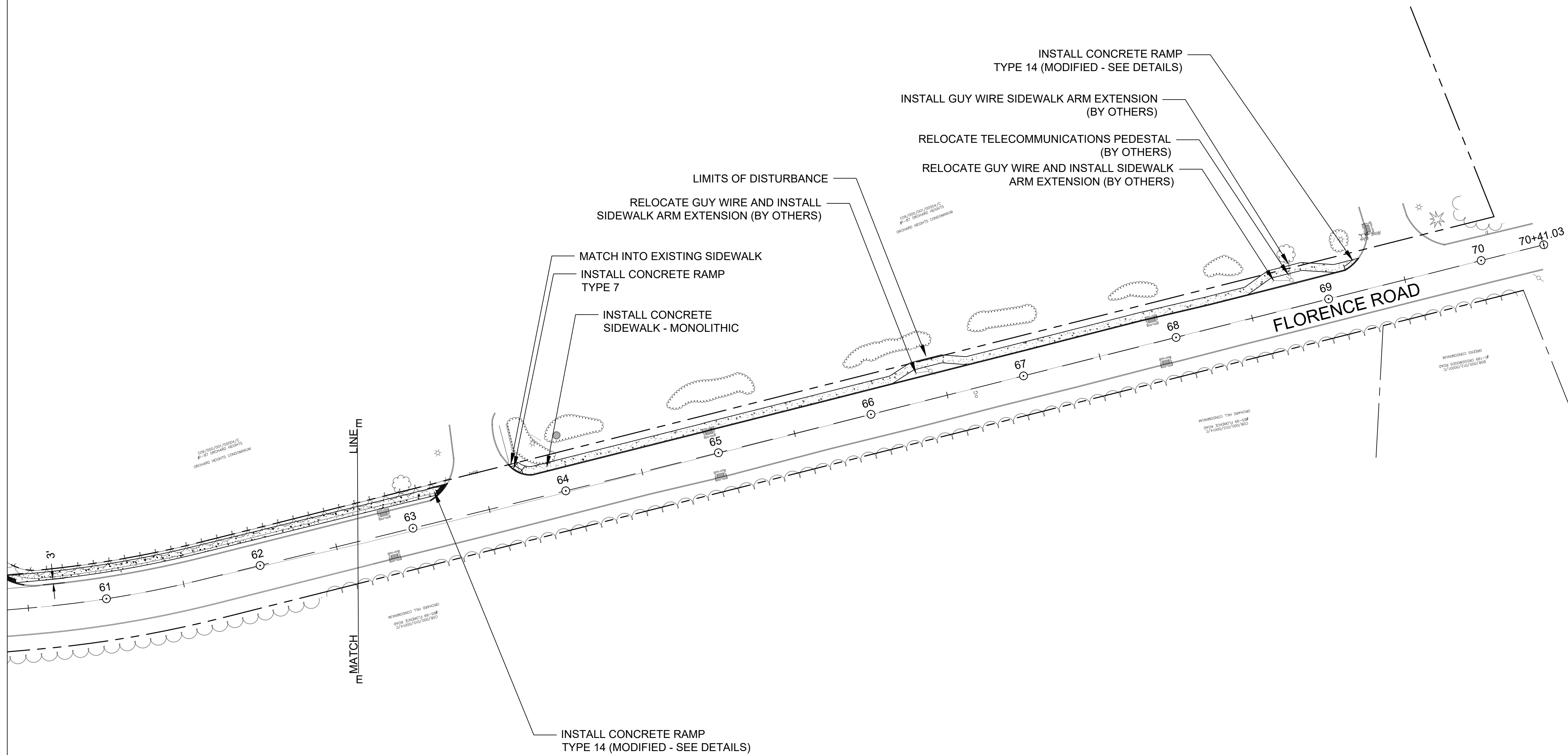


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SITE PLAN



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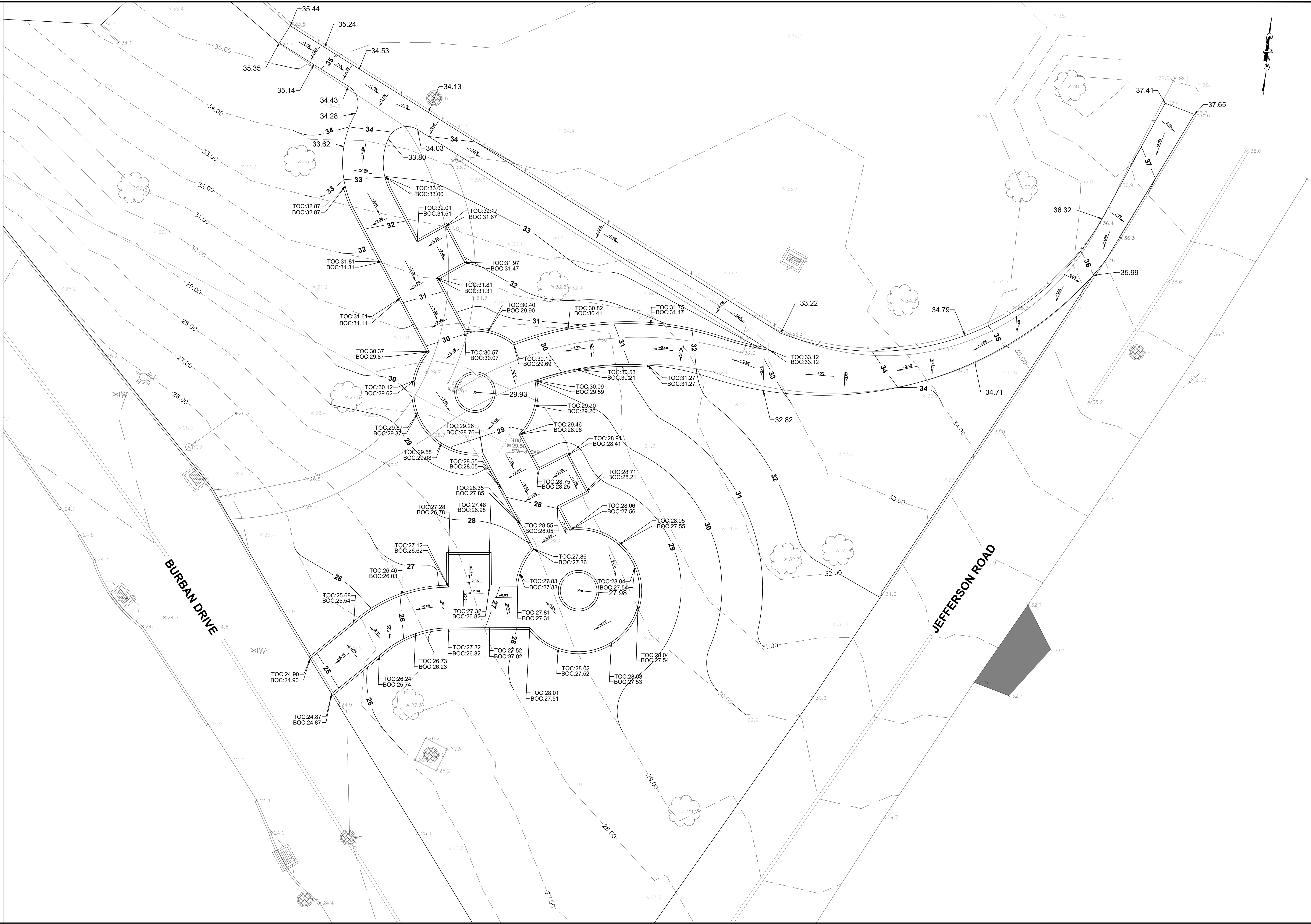
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SITE PLAN



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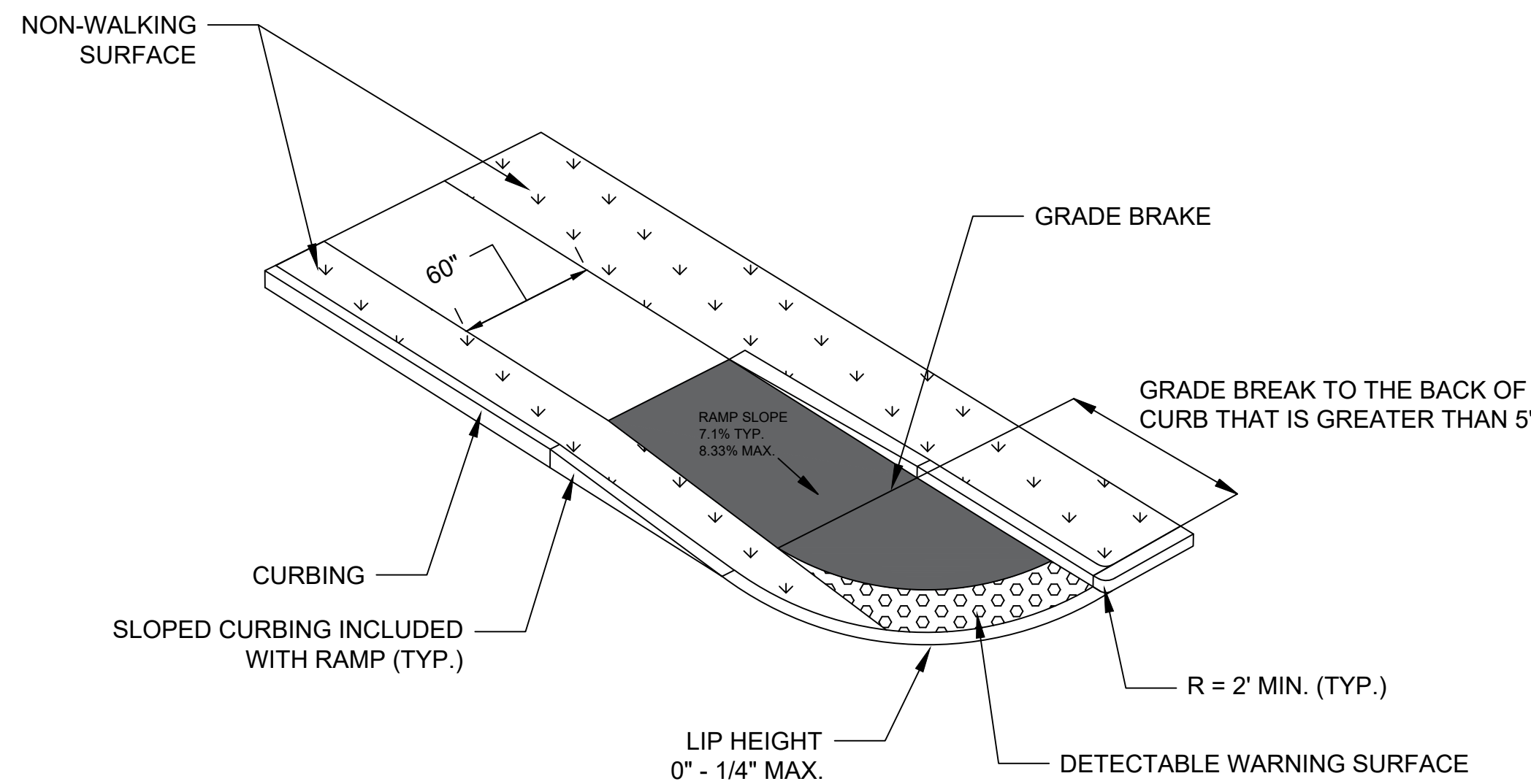


TOWN OF BRANFORD  
PROJECT #0170-3513GR  
PEDESTRIAN CONNECTIVITY IMPROVEMENTS  
GRADING PLAN

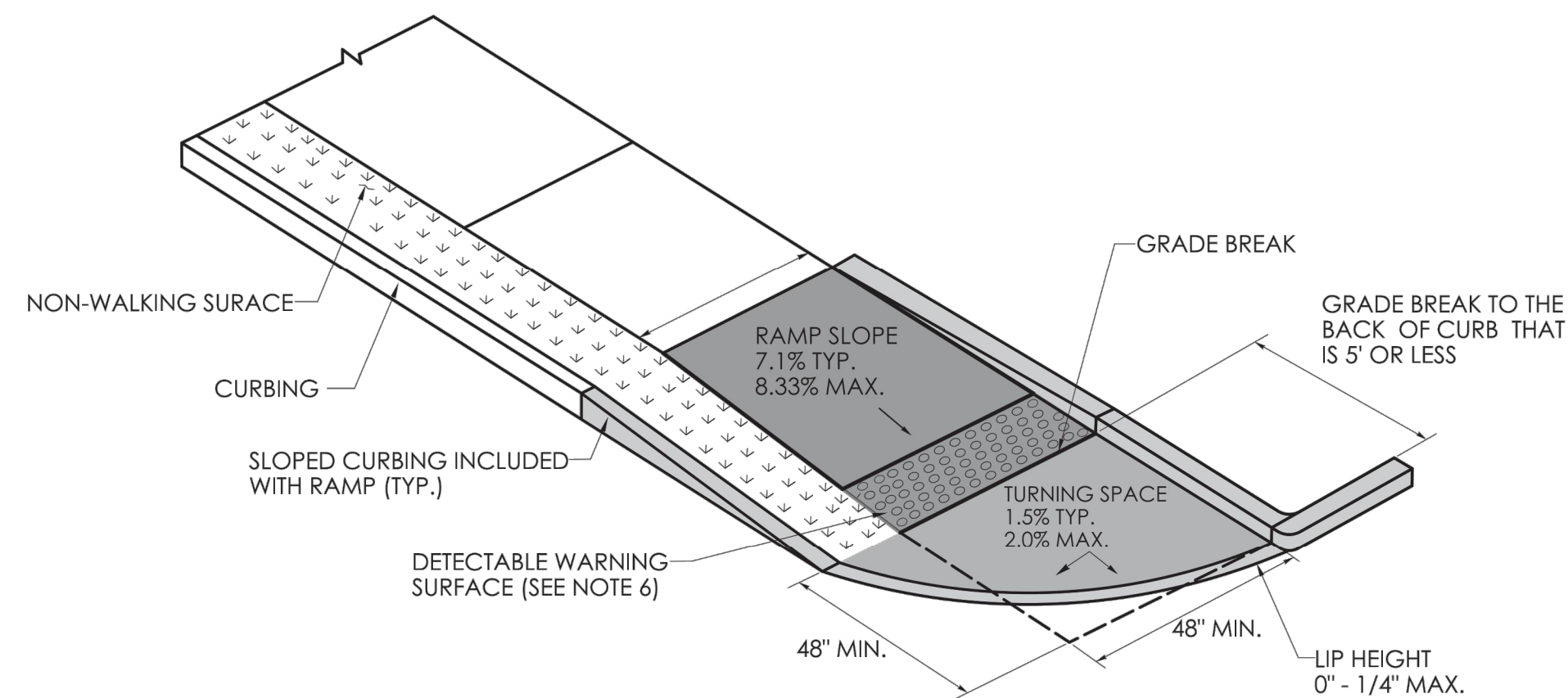


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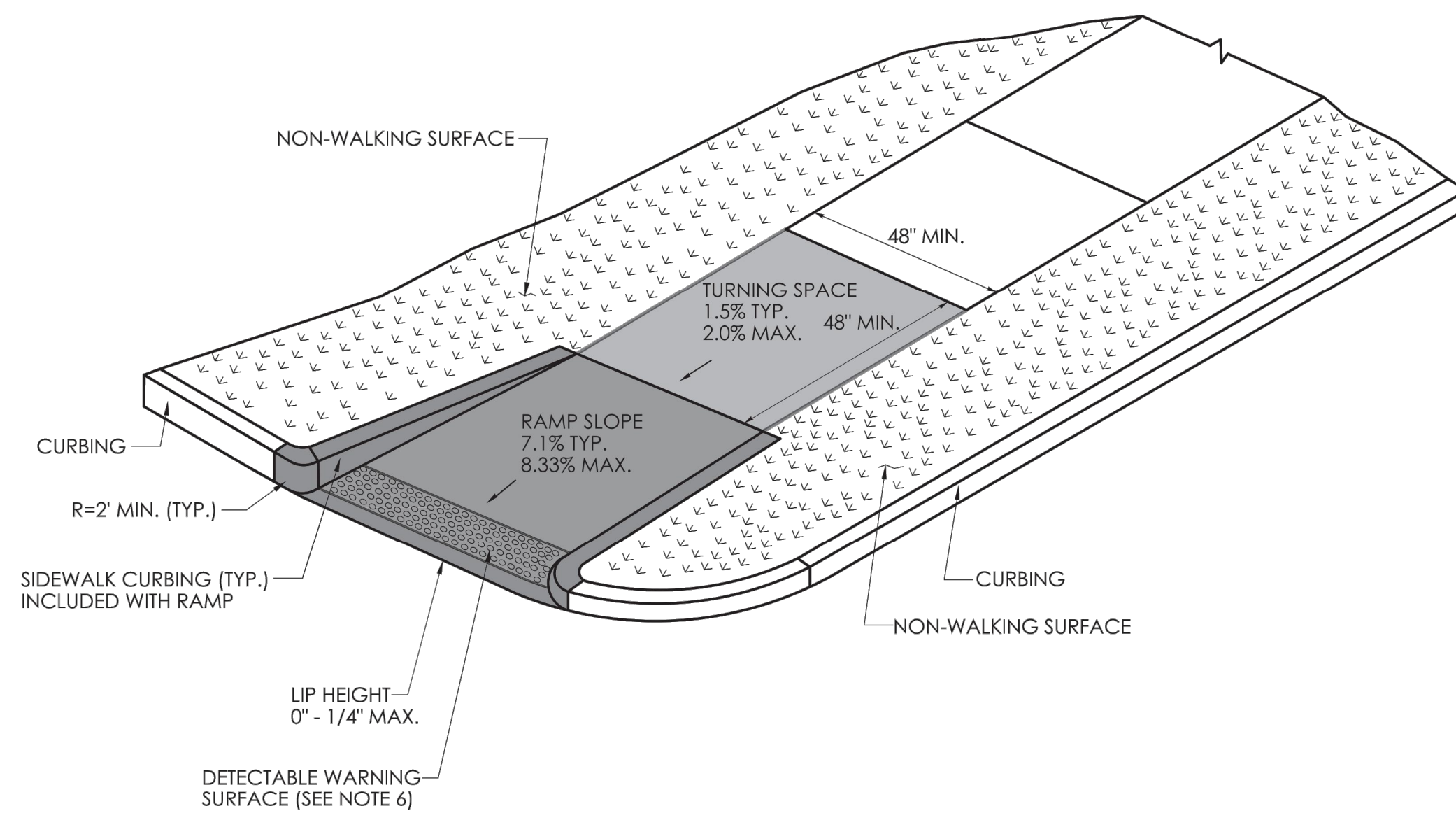
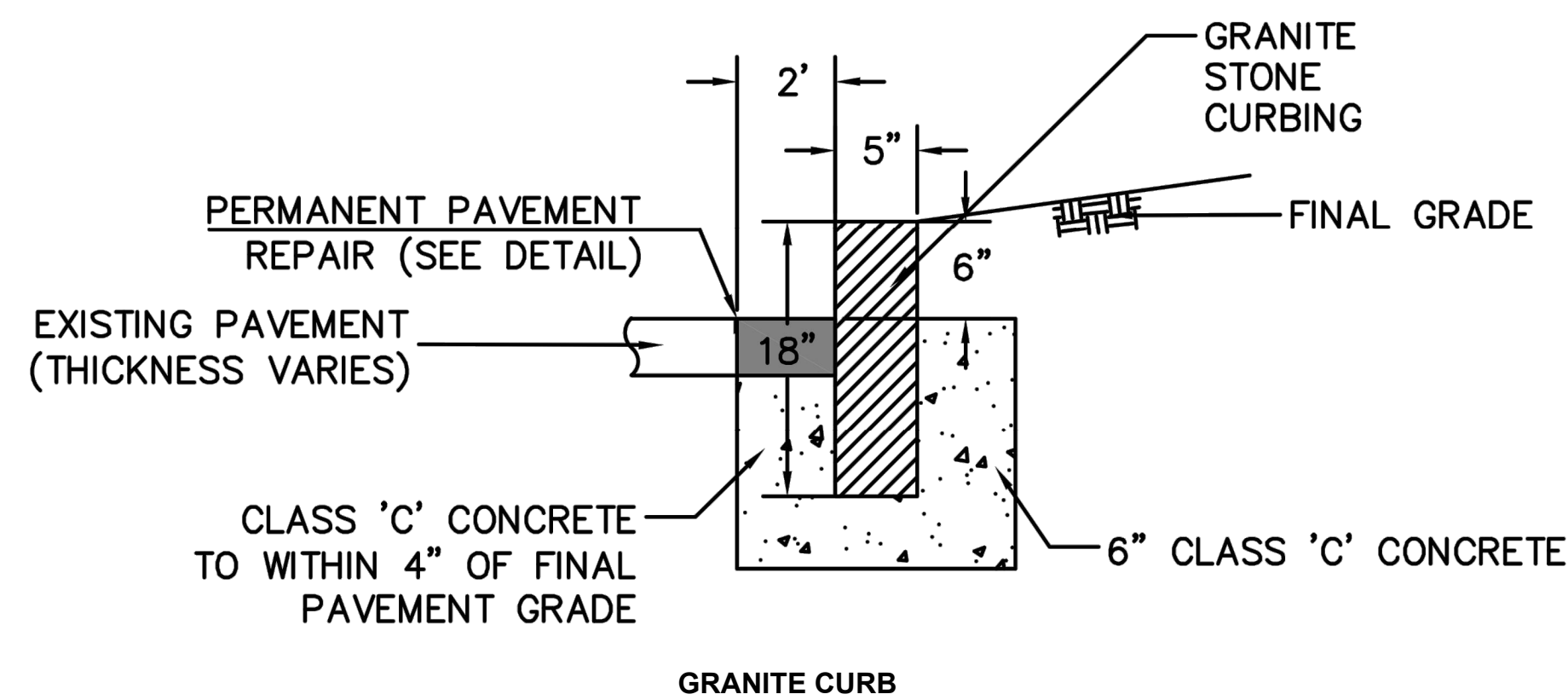




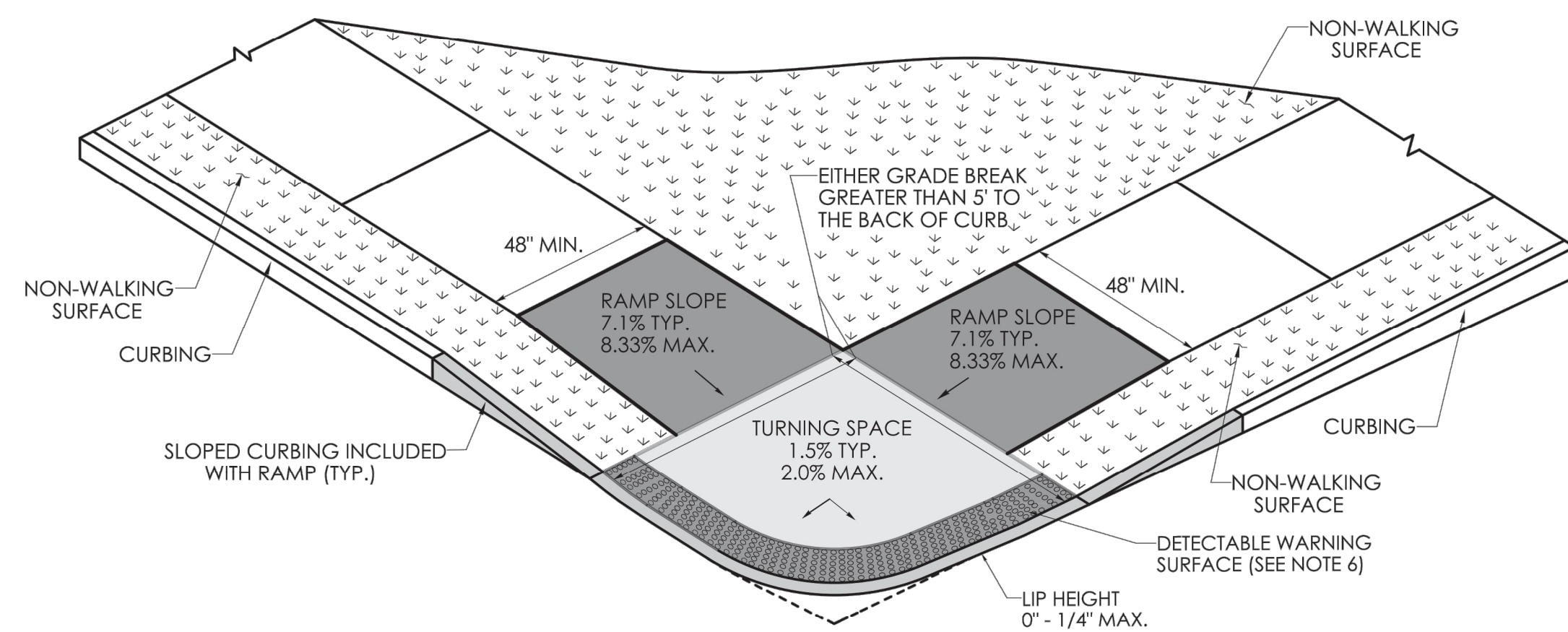
**SINGLE DIRECTION PERPENDICULAR RAMP  
GRADE BREAK TO THE BACK OF CURB  
GREATER THAN 5'  
(TYPE 14 MODIFIED)**



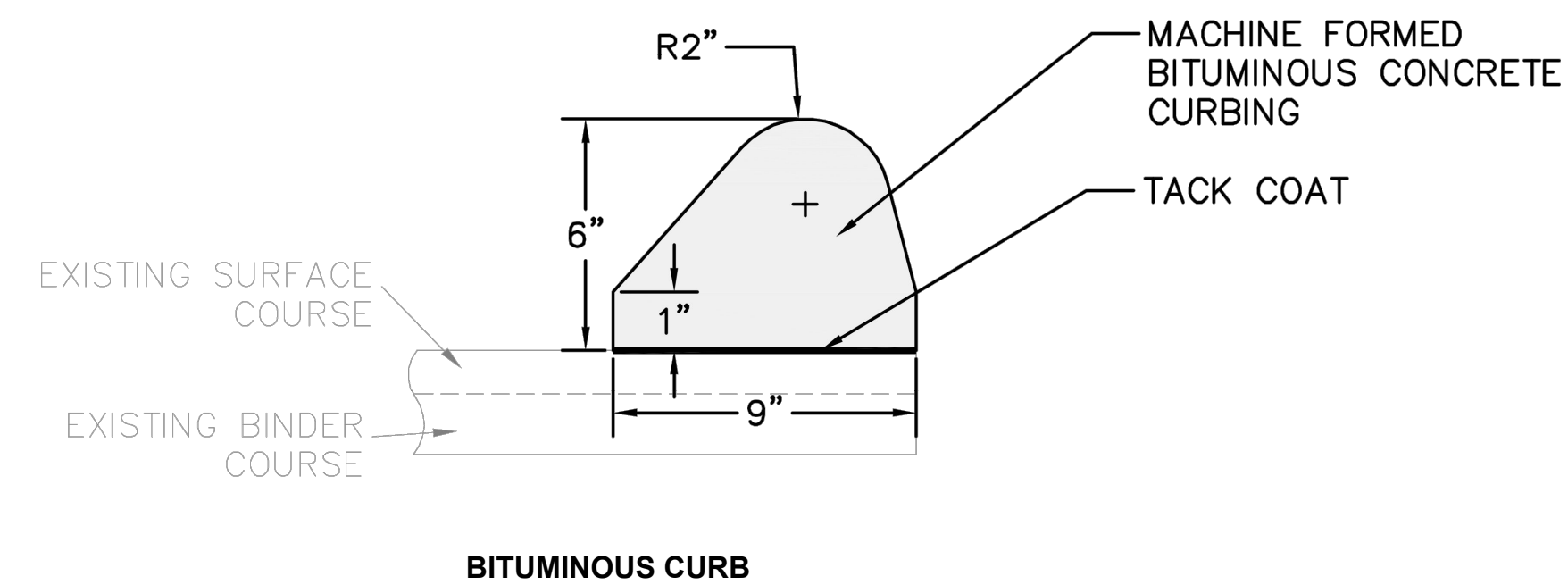
**SINGLE DIRECTION PERPENDICULAR RAMP  
WITH GRADE BREAK TO THE BACK  
OF CURB THAT IS 5' OR LESS  
(TYPE 15)**



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

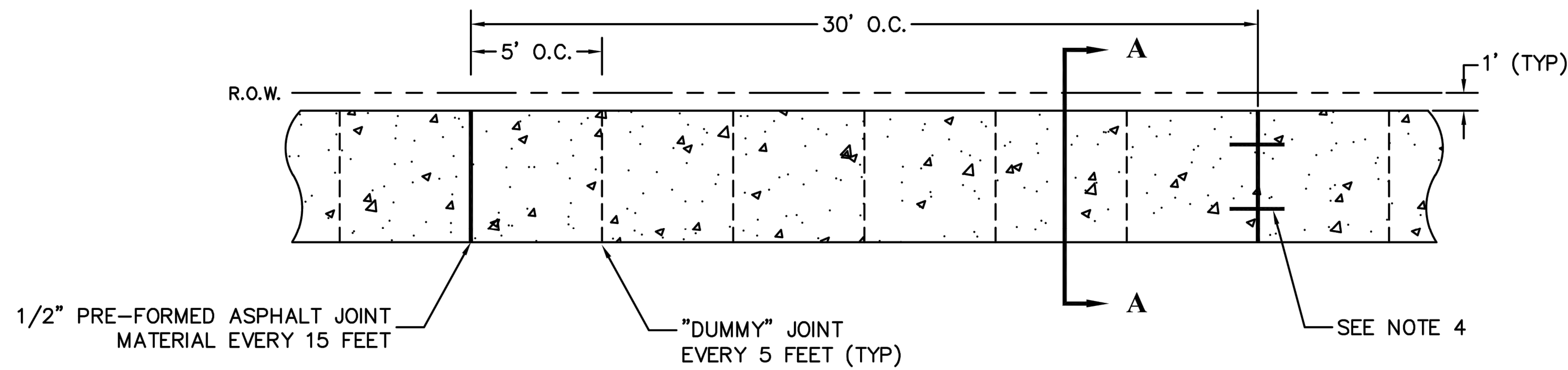


**TWO DIRECTIONAL PERPENDICULAR RAMP  
WITH A GRADE BREAK  
TO BACK OF CURB GREATER THAN 5'  
WITH NON-WALKING SURFACE  
(TYPE 4)**

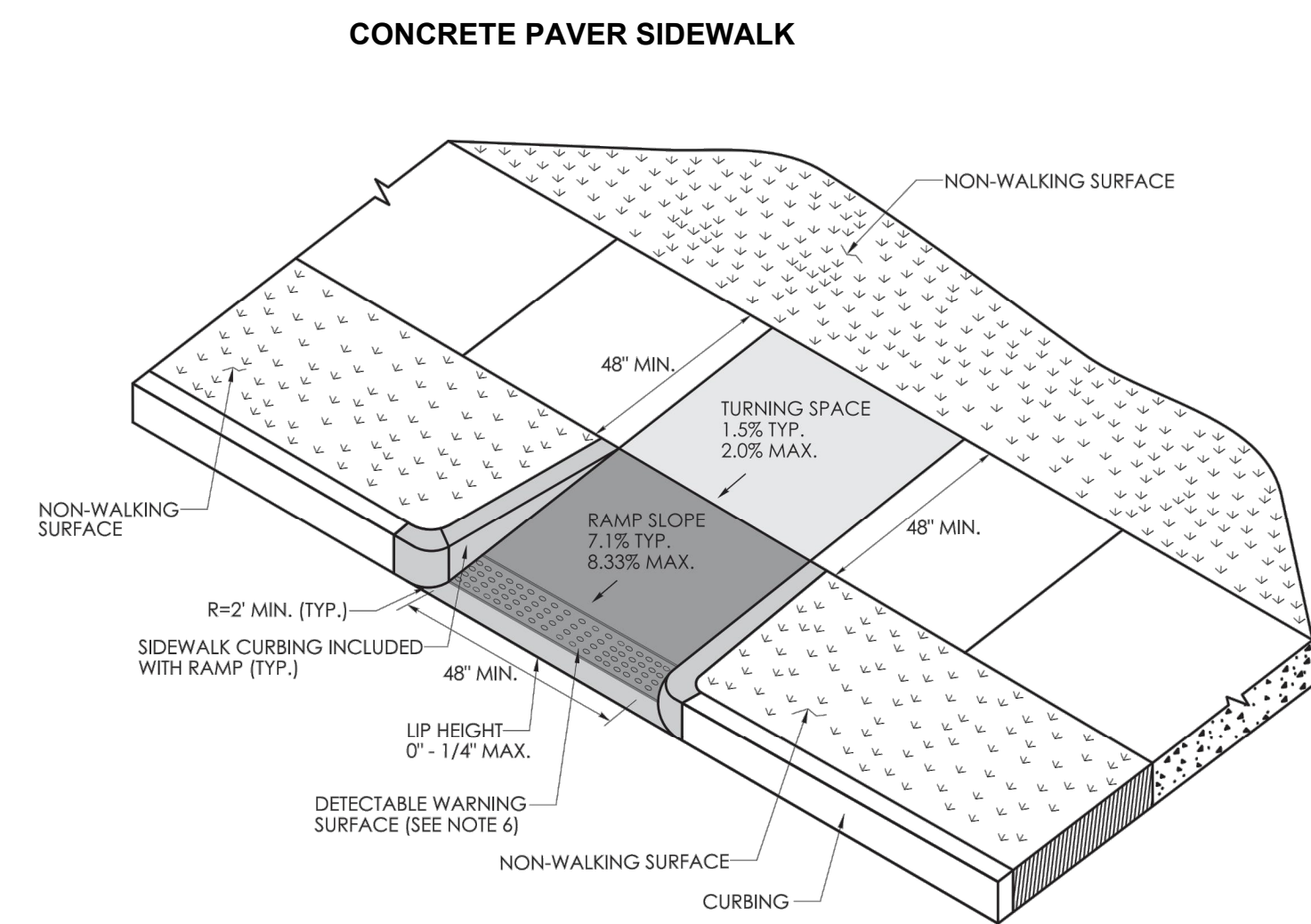
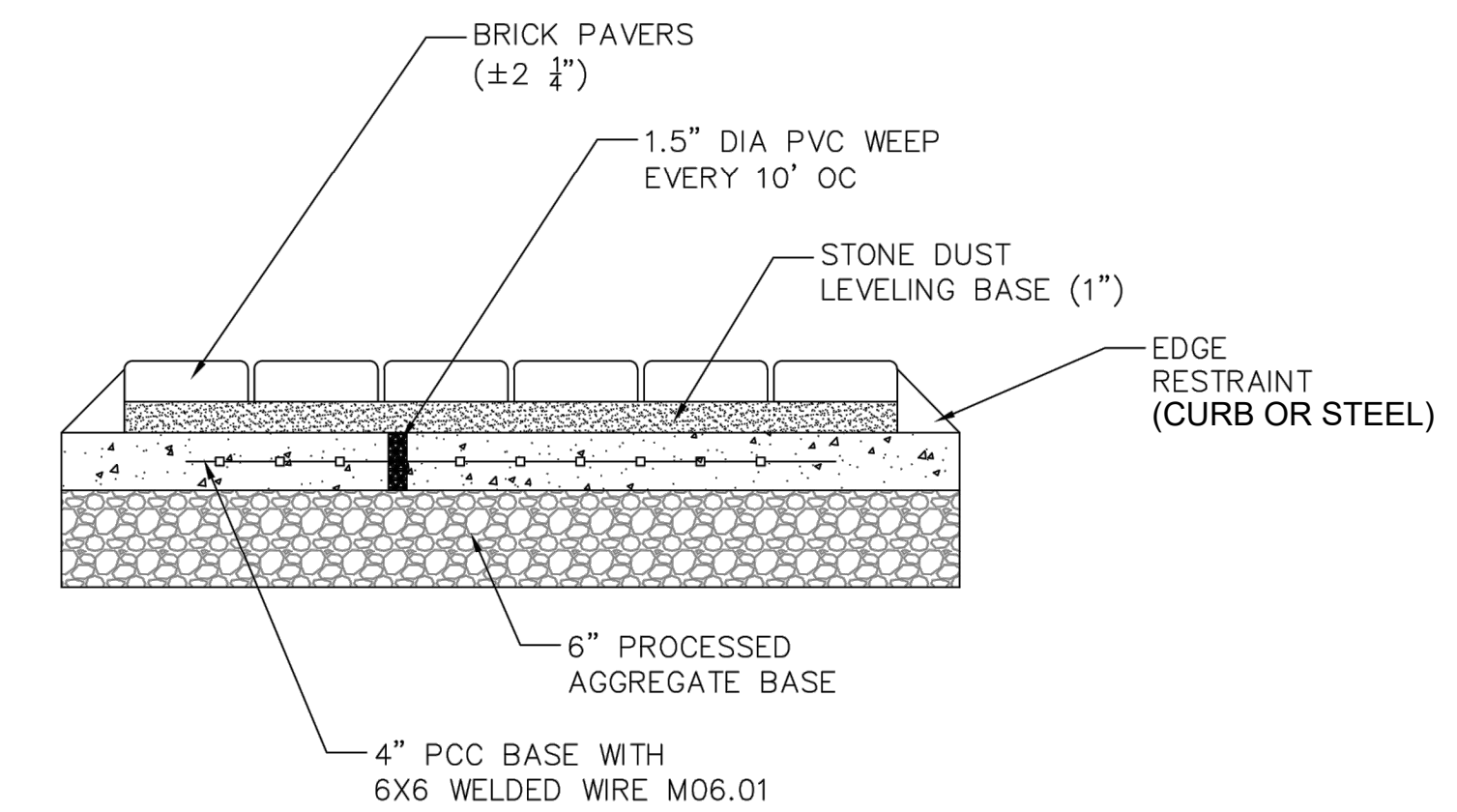
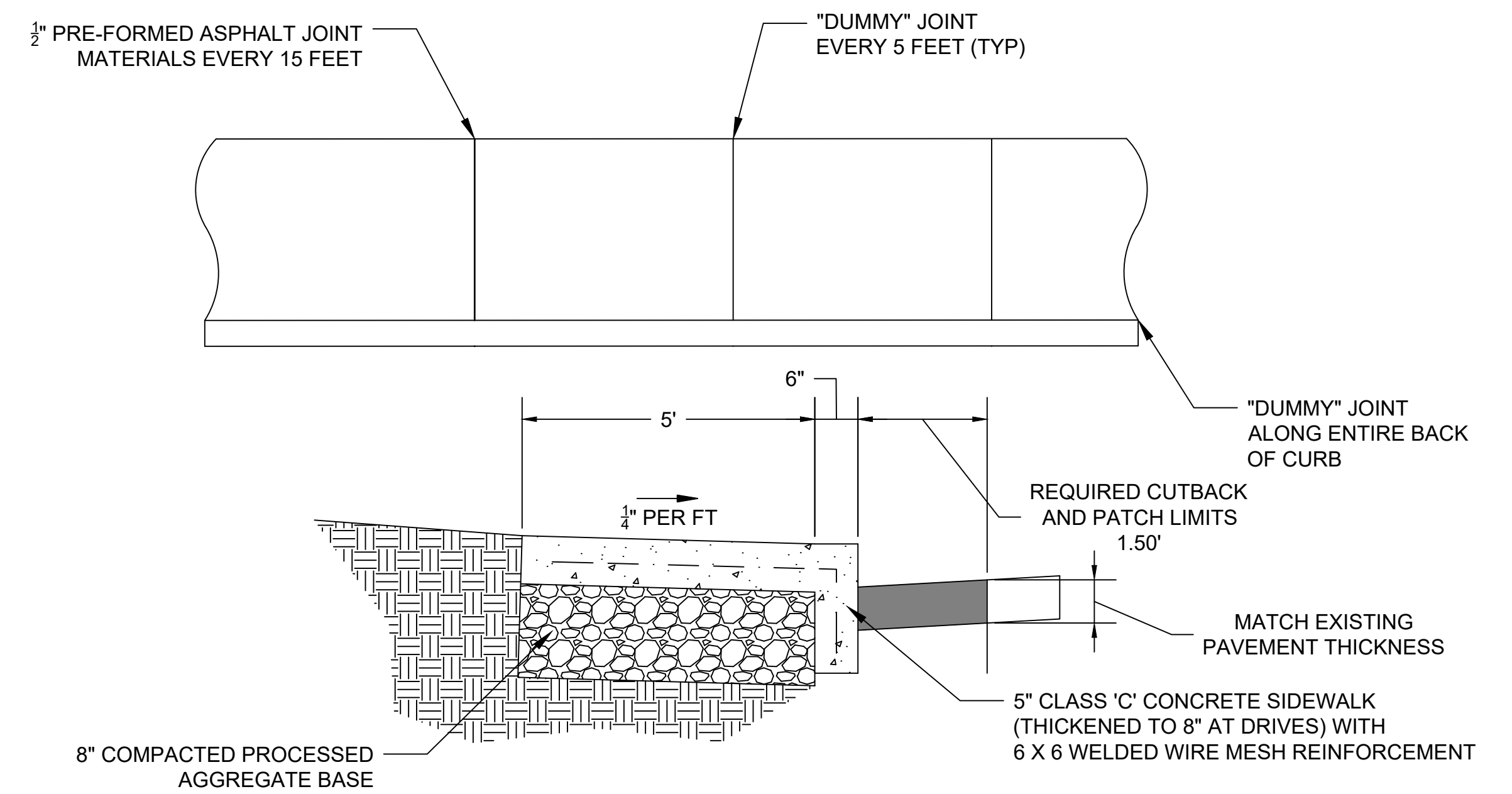
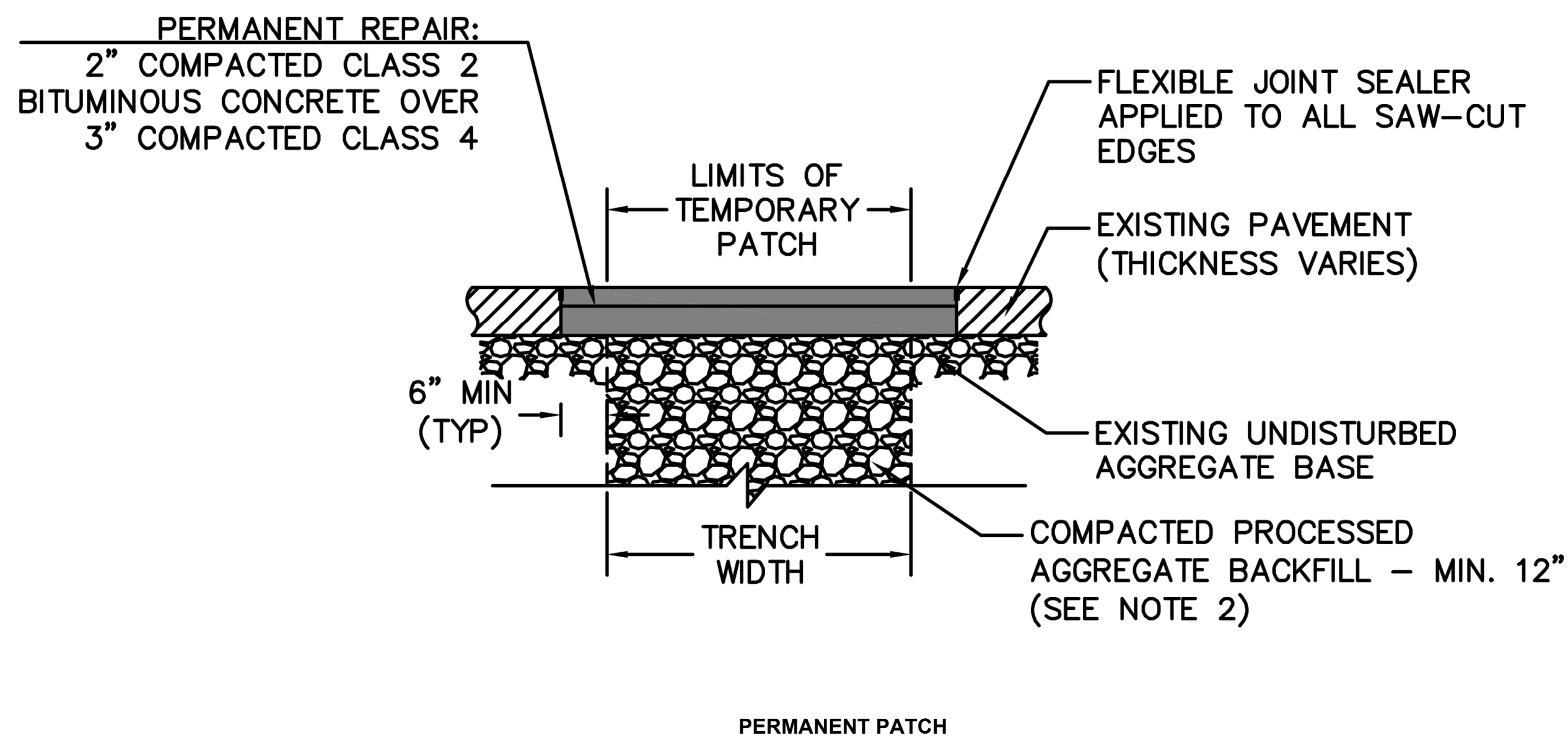
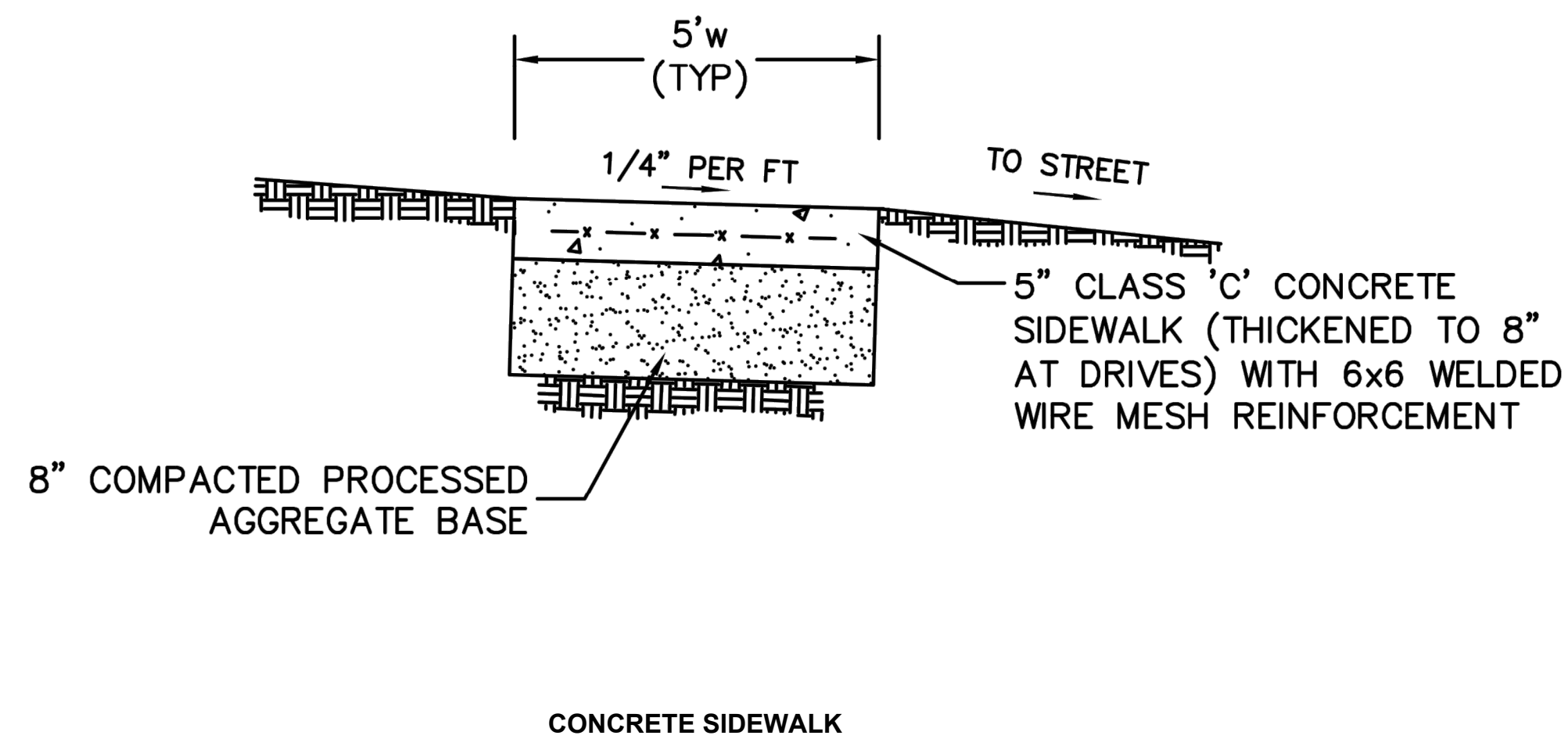


DATE	REVISIONS	DESCRIPTION
11/15/2024	1	SCALE: 1" = 1'-0"
11/15/2024	2	SCALE: 1" = 1'-0"
11/15/2024	3	SCALE: 1" = 1'-0"
11/15/2024	4	SCALE: 1" = 1'-0"
11/15/2024	5	SCALE: 1" = 1'-0"
11/15/2024	6	SCALE: 1" = 1'-0"
11/15/2024	7	SCALE: 1" = 1'-0"
11/15/2024	8	SCALE: 1" = 1'-0"
11/15/2024	9	SCALE: 1" = 1'-0"
11/15/2024	10	SCALE: 1" = 1'-0"
11/15/2024	11	SCALE: 1" = 1'-0"
11/15/2024	12	SCALE: 1" = 1'-0"
11/15/2024	13	SCALE: 1" = 1'-0"
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11/15/2024	15	SCALE: 1" = 1'-0"
11/15/2024	16	SCALE: 1" = 1'-0"
11/15/2024	17	SCALE: 1" = 1'-0"
11/15/2024	18	SCALE: 1" = 1'-0"
11/15/2024	19	SCALE: 1" = 1'-0"
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11/15/2024	98	SCALE: 1" = 1'-0"
11/15/2024	99	SCALE: 1" = 1'-0"
11/15/2024	100	SCALE: 1" = 1'-0"





SECTION A-A  
TYPICAL SECTION



DATE	REVISIONS	BY	DATE
DATE: 11.5.2024	SCALE: 1"		
FILE NAME: STANDARD DETAILS.dwg	DESCRIPTION		
SUBMITTED BY: KAO			
APPROVED BY: JMH			
REVISION No.			