

# PLANS FOR PROPOSED INTERSECTION IMPROVEMENTS TO CORAL WAY AND ANDERSON RD

MIAMI-DADE COUNTY PROJECT NO. 20210207  
RIF DISTRICT 7

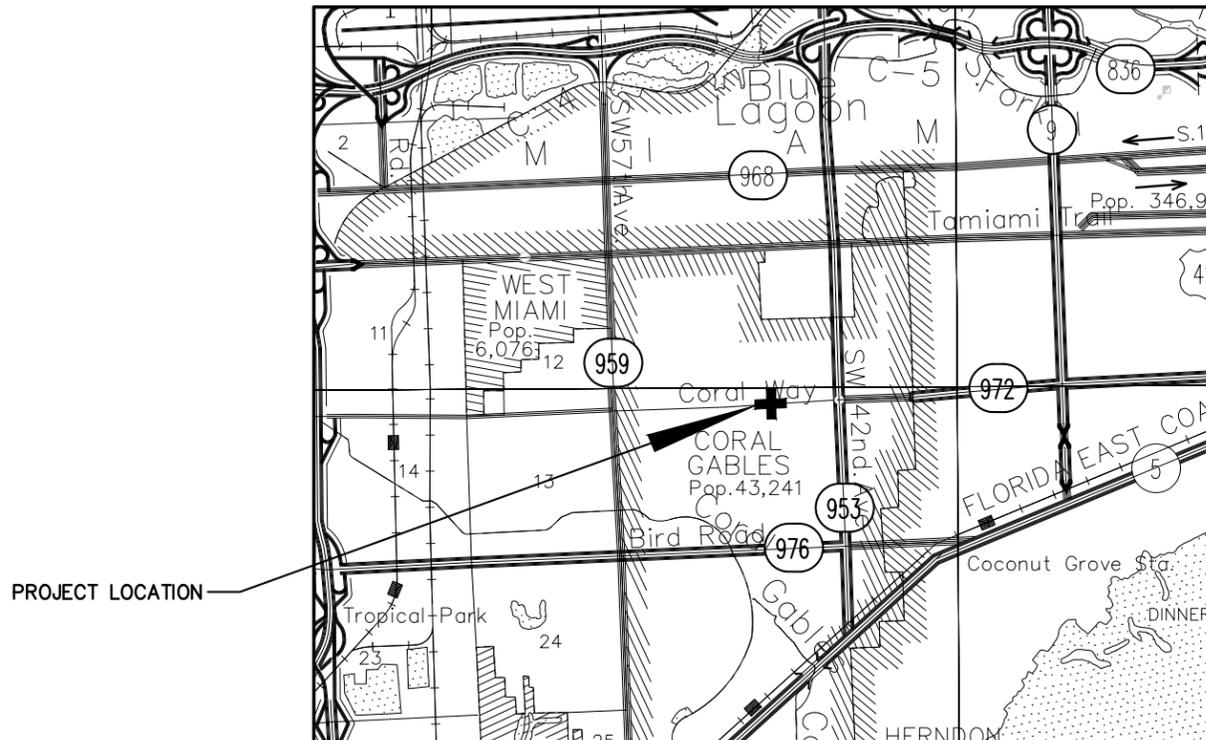
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THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3. THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS. THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AS AMENDED BY CONTRACT DOCUMENTS.



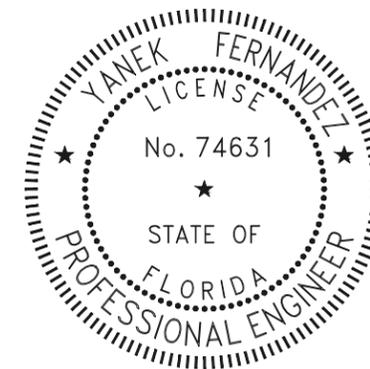
PROJECT LOCATION

PREPARED FOR



**MIAMI-DADE COUNTY**  
**DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS**  
**HIGHWAY ENGINEERING DIVISION**

STEPHEN P. CLARK CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY YANEK FERNANDEZ, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

### NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

APPROVED	_____	COUNTY ENGINEER
RECOMMENDED	_____	ASSISTANT DIRECTOR
SUBMITTED	_____	HIGHWAY ENGINEERING DIVISION
DESIGN	_____ G.T.	DRAWN _____ G.T.
DATE	6-26-2023	SHEET 1 OF 33

**GENERAL NOTES:**

1. ALL ELEVATIONS REFER TO THE MSL, 1929 NATIONAL GEODETIC VERTICAL DATUM (NGVD).
2. ALL DRAINAGE CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE PERMITTING REQUIREMENTS OF MIAMI DADE COUNTY REGULATORY AND ECONOMIC RESOURCES AND THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS.
3. IT IS THE INTENT THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. CATCH BASINS, SEEPAGE DRAINS, PAVEMENT RESTORATION AND PAVEMENT AROUND CATCH BASINS TO BE ACCORDING TO THE DETAILS AND APPLICABLE REQUIREMENTS OF THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS.
5. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT.
6. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, AND UTILITIES WITH MAY NOT BE SHOWN ON PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
7. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE; ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES; PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION, ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
8. CONTRACTOR SHALL CONTACT THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1 (800) 432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
9. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. THE CONTRACTOR IS ADVISED THAT A TREE PERMIT MAY BE REQUIRED FOR TREE REMOVAL. CONTRACTOR SHALL NOTIFY REGULATORY AND ECONOMIC RESOURCES DEPARTEMENT AND MUNICIPALITIES WITH JURIDICION PRIOR TO REMOVING ANY TREES.
10. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
11. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATION.
12. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES, OR PARTS OF, EXPOSED OR OPEN AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES. WHEN THE CONTRACTOR IS NOT WORKING, UNLESS OTHERWISE DETERMINED, ANY TRENCH SHALL BE COVERED, FIRMLY SECURED AND MARKED ACCORDINGLY FOR PEDESTRIAN TRAFFIC.
13. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
14. ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
15. CAST IRON PRODUCTS: HEAVY-DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS, OR 16,000 LB. WHEEL LOADS.
16. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H-20 AASHTO H20: 16,000 LBS. OVER 8" X 20" AREA.
17. ALL STRUCTURES MUST BE CAPABLE OF SUSTAINING HEAVY TRAFFIC LOADS.
18. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN SECTION C2 AND SECTION R19 OF THE PUBLIC WORKS DEPARTMENT MANUAL. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR THE RESETING OF ALL TRAFFIC CONTROL AND INFORMATION SIGNING REMOVED DURING CONSTRUCTION PERIOD.
20. EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC SAFETY AT ALL TIMES.
21. TEMPORARY PATCH MATERIAL MUST BE ON THE JOB SITE WHENEVER PAVEMENT IS CUT, OR THE INSPECTOR WILL SHUT THE JOB DOWN.
22. CONTRACTOR SHALL MAINTAIN TRAFFIC ACCORDING TO CORRESPONDING TYPICAL CONTROL DETAIL AS OUTLINED IN MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
23. CONTRACTOR SHALL MAINTAIN AT LEAST THE FOLLOWING NUMBER OF TRAFFIC LANES FOR CORRESPONDING TIME PERIODS: MONDAY - FRIDAY 7-9 A.M. AND 4-6 P.M.; NO INTERRUPTION TO TRAFFIC IS PERMITTED. ALL OTHER TIMES:  
 A) MAINTAIN ONE LANE FOR TWO-WAY OPERATION WITH FLAGMEN.  
 B) MAINTAIN ONE LANE IN EACH DIRECTION FOR TRAFFIC.
24. CONTRACTOR MUST PROVIDE FLASHER ARROW BOARD FOR ANY LANE THAT IS CLOSED OR DIVERTED.
25. CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF THE DETOUR IN ACCORDANCE WITH SECTION 336.07 OF FLORIDA STATUTES.
26. COMPLETE AS-BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR. THREE (3) SETS LABELED "AS-BUILT" MUST BE SUBMITTED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, TO THE ENGINEER OF RECORD PRIOR TO FINAL ACCEPTANCE OF THE WORK.
27. IT IS RESPONSIBILITY OF THE CONTRACTOR TO SELECT AND OBTAIN THE APPROPRIATE PERMISSION FROM MIAMI-DADE COUNTY OR APPLICABLE AGENCY THAT HAS JURISDICTION ON THE "PROPOSED" STAGING AREAS.
28. DRAINAGE/UTILITY TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. A TEMPORARY COVER WITH A CAPACITY OF H-20 LOADING SHALL BE PLACED AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO MIAMI-DADE COUNTY.
29. CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, AND REMOVING TEMPORARY LIGHTING AT THE INTERSECTION CORAL WAY AND ANDERSON UNTIL FPL IS READY TO INSTALL PERMANENT LIGHTING. ONCE THE TEMPORARY LIGHTING IS REMOVED, THE CONTRACTOR SHALL DELIVER EQUIPMENT TO TSS. MAINTENANCE OF THE TEMPORARY LIGHTING WILL BE EFFECTIVE UP TO 12 MONTHS AFTER SUBSTANTIAL COMPLETION OF THE JOB OR UNTIL FPL IS READY TO INSTALL PERMANENT LIGHTING. IF AFTER 12 MONTHS OF PROJECT SUBSTANTIAL COMPLETION, FPL IS STILL NOT READY TO IMPELEMENT PERMANENT LIGHTING; THE COUNTY WILL COORDINATE WITH THE CONTRACTOR ADDITIONAL SERVICES FOR MAINTNAINCE AND REMOVAL OF THE TEMPORARY LIGHTING.
30. PROVIDE FLOWABLE FILL OVER PIPE AS COVER WHERE MINIMUM PIPE COVER OF 2 FEET CANNOT BE ACCOMPLISHED UNDER PAVED AREAS. HOWEVER, THE COVER WITH FLOWABLE FILL SHALL BE NO LESS THAN 12 INCHES.
31. ALL STATIONS AND OFFSETS REFER TO [CENTERLINE]/ [BASELINE] OF CONSTRUCTION, UNLESS OTHERWISE STATED.
32. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).
33. MIAMI-DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED CONSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT UTILITY COORDINATOR PATRICK CHONG AT 786-268-5255. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE: 786-268-5469. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305-552-4926, BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, WASD EMERGENCY NUMBER 305-552-8901. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.
34. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
35. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
36. IF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING, OR DEWATERING, SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
37. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
38. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.
39. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.
40. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
41. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
42. CLEAN EXIST. DRAINAGE STRUCTURES.
43. REGRADE AND/OR OVERBUILD AS NECESSARY TO DRAIN PROPERLY.
44. MILL EXISTING ASPHALT PAVEMENT (1.0" AVG. DEPTH). RESURFACE USING FRICTION COURSE FC-9.5 (1.0")
45. PROPOSED ISLAND RADII IS 2.0' U.N.O.
46. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON PLANS, PROPER CONNECTIONS ARE TO BE MADE AS DIRECTED BY THE ENGINEER. DROP CURB AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.
47. CONTRACTOR TO INSTALL ½" PERFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
48. THE SIDEWALK AT DRIVEWAY TURNOUTS SHALL BE 6" CONCRETE.
49. ALL BUS STOP SIGNS TO BE FURNISHED BY MIAMI-DADE TRANSPORTATION AND PUBLIC WORKS DEPARTMENT. ENGINEER TO CONTACT MIAMI-DADE COUNTY TRANSPORTATION AND PUBLIC WORKS DEPARTMENT AT (305) 637-3753 ONE (1) WEEK PRIOR TO POURING SIDEWALKS AND COORDINATE THE REMOVAL AND REPLACEMENT OF BUS STOP SIGNS AND BENCHES.
50. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH BIDS WILL BE BASED.
51. ANY SURVEY MONUMENT, BENCH MARK, ETC., FOUND DURING CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO IT IS ORIGINAL LOCATION AND COORDINATES AS DEPICTED IN COUNTY RECORDS PLAT AND BOOK. RESTORATION WILL BE AT NO ADDITIONAL COST AND MUST BE SHOWN ON AS-BUILT PLANS.
52. FOR THE INSTALLATION OF SOD IN SWALE AREAS ADJACENT TO ROADWAYS, SIDEWALKS, DRIVEWAY APPROACHES OR ANY OTHER PAVED SURFACES, THE SWALE MUST BE RESTORED TO FORM A "V" SHAPE AS PER THE DETAILS INCLUDED IN THE MIAMI DADE COUNTY PUBLIC WORKS MANUAL. SPECIFICALLY, THE ELEVATION OF THE TOP OF THE SOD MUST MATCH THE ABUTTING AREAS (EDGE OF PAVEMENT, SIDEWALK OR DRIVEWAY APPROACH) AND THE CENTERLINE OF THE SWALE SHALL BE ON AVERAGE 3 INCHES BELOW THE ROADWAY EDGE OF PAVEMENT ELEVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
53. MIAMI-DADE COUNTY FLOOD CRITERIA IS 7.1' (NGVD)
54. CONTRACTOR NEEDS TO PAY SPECIAL ATTENTION TO PROTECTING AND AVOIDING IMPACT TO EXISTING TREES IN THE AREA. ANY TREE TRIMMING OR ROOT PRUNING REQUIRED DURING CONSTRUCTION IS TO BE SUPERVISED BY A CERTIFIED ARBORIST. CONTRACTOR TO PROTECT TREES ACCORDING TO THE TREE ASSESSMENT AND ARBORIST REPORT BY RES FLORIDA CONSULTING, LLC. ANY WORK INVOLVING TREES (PROTECTION OF TREES, TREE TRIMMING, ROOT PRUNING, ETC) SHALL BE SUPERVISED AND APPROVED BY A CERTIFIED ARBORIST.

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**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MIAMI-DADE COUNTY  
HIGHWAY DIVISION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	YF		GT		8/26/2023
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
	YF				

SUPERVISED BY: YANEX FERNANDEZ

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

**GENERAL NOTES**

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
102-1A	MOT	LS	1
102-30-13	Temporary Highway Lighting	LS	1
102-60A	WORK ZONE SIGNS	EA/DAY	1,500
102-71-11A	TEMPORARY BARRIER WALL (Concrete) (Furnish & Install)	LF	300
102-74-2	BARRICADES ( Temporary, Type III, 6')	EA/DAY	1,440
102-74-1A	BARRICADES ( Temporary, Type ii')	EA/DAY	20,000
102-99	VARIABLE MESSAGE SIGN (TEMPORARY)	EA/DAY	100
102-91-1A	PAVEMENT MARKING TEMPORARY (Solid) (Any width) (Yellow or White) ( Paint)	L.F.	5,898
104-18	Inlet Protection System	EA	6
104-10-3	Sediment Barrier	LF	500
110-1-1D	CLEARING AND GRUBBING 1%	LS	1
110-4-1-1	REMOVAL AND DISPOSAL OF EXISTING CURB AND GUTTER	L.F.	770
110-4-10B	REMOVE AND DISPOSE EXISTING SIDEWALK	S.Y.	20
110-22A	TREE ROOT AND BRANCH PRUNING	EA	5
120-1	REGULAR EXCAVATION	C.Y.	240
120-8	RE-GRADE EXISTING SWALE - (Where shown specifically on plans, or as directed by	S.Y.	1,355
160-4	TYPE "B" STABILIZATION (12" Thick) (Min. C.B.R. 30)	S.Y.	370
162-5	FINISH SOIL LAYER (Landscaping)	C.Y.	795
200-1-10	LIMEROCK BASE (8" Thick, Primed)	S.Y.	370
200-2	BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION	S.Y.	225
327-70	MILLING EXISTING PAVEMENT [(1")(Payment for greater cuts will be paid proportionally)]	S.Y.	3,580
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	TON	60
337-8-42	Hot Mix Asphalt Friction Course, Traffic C, FC-9.5, PG 76-22	TON	217
425-1	INLET [(Swale) (3 foot inside dimension, circular or square)]	EA.	1
425-1-36	CURB INLET TYPE P-6 (Any Dimension) (Max. 15' Deep)	EA.	2
425-1-610	INLET SWALE [(TYPE P-10)(42" Inside dimension, circular or square)]	EA.	1
425-1-907	POLLUTION RETARDANT BAFFLE (With neoprene gasket at all contact edges)	EA.	2
425-5	ADJUST MANHOLE(This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)	EA.	13
425-6	ADJUST EXISTING VALVE BOXES (MIAMI DADE COUNTY) (This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)	EA.	8
425-82	MODIFY STRUCTURE-Cut to enlarge opening as needed in order to accommodate pipe due to utility conflict(s), brick and mortar as needed.	EA.	2
443-70-4-3	FRENCH DRAIN (24" Diameter perforated pipe; trench depth 15 ft BLS)	L.F.	110
520-2	CONCRETE CURB AND/OR GUTTER(Any type , including base preparation)	L.F.	1,815
522-1(1)	CONCRETE SIDEWALK [4" THICK, 3,000 P.S.I. concrete at 28 days (includes the cost of pedestrian ramps and sidewalks curbs)	S.Y.	225
522-2	CONCRETE SIDEWALK (6" THICK, 3,000 P.S.I. concrete at 28 days (includes pedestrian ramps and sidewalks curbs)	S.Y.	50
526-70-2B	INSTALLATION OF BRICK PAVERS, any type, including Base Preparation.	S.Y.	283
527-2	DETECTABLE WARNING ON WALKING SURFACE	S.F.	220
575-1-1	SODDING (Pensacola Bahia or match existing) (includes watering)	S.Y.	1,423
580-332-1	RELOCATE TREE	E.A.	12
590-70B	Irrigation system (as Shown on plans)	LF	100
700-40-01	ROADSIDE SIGNS {(SINGLE POST ) (LESS THAN 12 S.F.)}	AS.	32
700-46-22	RESET EXISTING POST AND SIGN	EA.	8
700-48-18	SIGN PANEL (LESS THAN 15 SF.)	EA.	22
700-48-60A	REMOVE EXISTING SIGNS & POSTS	AS.	8
706-1-12	REFLECTIVE PAVEMENT MARKERS (class B, mono or bi-directional, all colors)	EA.	690
711-11-121	THERMOPLASTIC (White) (Solid) (6")	L.F.	1,975
711-11-123	THERMOPLASTIC (White) (Solid) (12")	L.F.	345
711-11-124	THERMOPLASTIC (White) (Solid) (18")	L.F.	693
711-11-125	THERMOPLASTIC (White) (Solid) (24")	L.F.	225
711-11-221	THERMOPLASTIC (Yellow) (Solid) (6")	L.F.	2,465
711-11-224	THERMOPLASTIC (Yellow) (Solid) (18")	L.F.	195

NOTE:  
 CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, AND REMOVING TEMPORARY LIGHTING AT THE INTERSECTION CORAL WAY AND ANDERSON UNTIL FPL IS READY TO INSTALL PERMANENT LIGHTING.  
 ONCE THE TEMPORARY LIGHTING IS REMOVED, THE CONTRACTOR SHALL DELIVER EQUIPMENT TO TSS.  
 MAINTENANCE OF THE TEMPORARY LIGHTING WILL BE EFFECTIVE UP TO 12 MONTHS AFTER SUBSTANTIAL COMPLETION OF THE JOB OR UNTIL FPL IS READY TO INSTALL PERMANENT LIGHTING.  
 IF AFTER 12 MONTHS OF PROJECT SUBSTANTIAL COMPLETION, FPL IS STILL NOT READY TO IMPELEMENT PERMANENT LIGHTING; THE COUNTY WILL COORDINATE WITH THE CONTRACTOR ADDITIONAL SERVICES FOR MAINTAINANCE AND REMOVAL OF THE TEMPORARY LIGHTING.

T:\TRANSPORTATION DESIGN\PROJECTS\TRAFFIC CALMING\SN SECTION\CORAL WAY & ANDERSON ROAD\CADD\CORAL WAY & ANDERSON RD 9 9 24.dwg Mar 19, 2025 - 2:27pm E327537

REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
YF			GT		8/26/2023
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
YF			YF		

SUPERVISED BY: YANEX FERNANDEZ



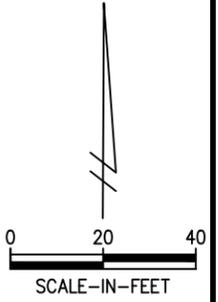
SUMMARY OF QUANTITIES

LEGEND:

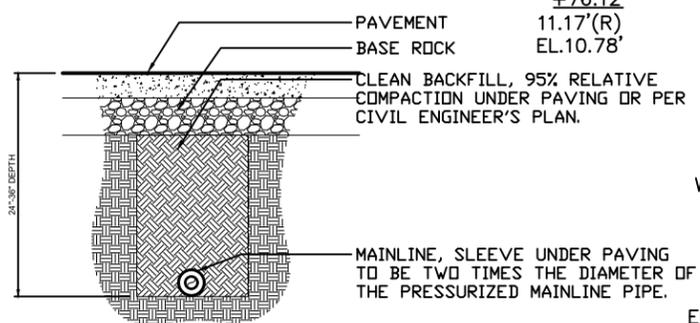
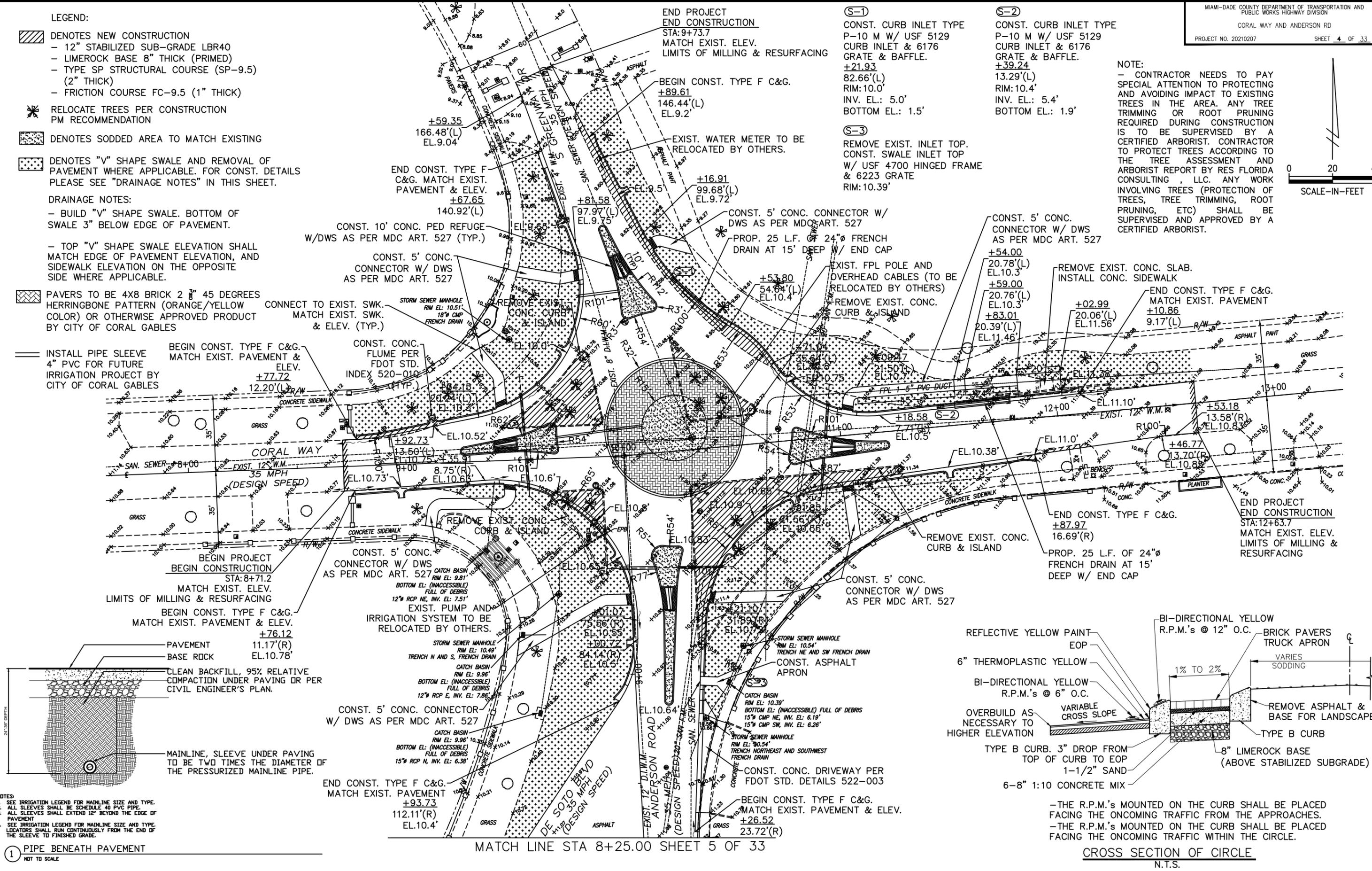
-  DENOTES NEW CONSTRUCTION
    - 12" STABILIZED SUB-GRADE LBR40
    - LIMEROCK BASE 8" THICK (PRIMED)
    - TYPE SP STRUCTURAL COURSE (SP-9.5) (2" THICK)
    - FRICTION COURSE FC-9.5 (1" THICK)
  -  RELOCATE TREES PER CONSTRUCTION PM RECOMMENDATION
  -  DENOTES SODDED AREA TO MATCH EXISTING
  -  DENOTES "V" SHAPE SWALE AND REMOVAL OF PAVEMENT WHERE APPLICABLE. FOR CONST. DETAILS PLEASE SEE "DRAINAGE NOTES" IN THIS SHEET.
- DRAINAGE NOTES:
- BUILD "V" SHAPE SWALE. BOTTOM OF SWALE 3" BELOW EDGE OF PAVEMENT.
  - TOP "V" SHAPE SWALE ELEVATION SHALL MATCH EDGE OF PAVEMENT ELEVATION, AND SIDEWALK ELEVATION ON THE OPPOSITE SIDE WHERE APPLICABLE.
-  PAVERS TO BE 4X8 BRICK 2 3/8" 45 DEGREES HERRINGBONE PATTERN (ORANGE/YELLOW COLOR) OR OTHERWISE APPROVED PRODUCT BY CITY OF CORAL GABLES

- (S-1)**  
CONST. CURB INLET TYPE P-10 M W/ USF 5129 CURB INLET & 6176 GRATE & BAFFLE.  
+21.93  
82.66'(L)  
RIM:10.0'  
INV. EL.: 5.0'  
BOTTOM EL.: 1.5'
- (S-2)**  
CONST. CURB INLET TYPE P-10 M W/ USF 5129 CURB INLET & 6176 GRATE & BAFFLE.  
+39.24  
13.29'(L)  
RIM:10.4'  
INV. EL.: 5.4'  
BOTTOM EL.: 1.9'
- (S-3)**  
REMOVE EXIST. INLET TOP. CONST. SWALE INLET TOP W/ USF 4700 HINGED FRAME & 6223 GRATE  
RIM:10.39'

NOTE:  
- CONTRACTOR NEEDS TO PAY SPECIAL ATTENTION TO PROTECTING AND AVOIDING IMPACT TO EXISTING TREES IN THE AREA. ANY TREE TRIMMING OR ROOT PRUNING REQUIRED DURING CONSTRUCTION IS TO BE SUPERVISED BY A CERTIFIED ARBORIST. CONTRACTOR TO PROTECT TREES ACCORDING TO THE TREE ASSESSMENT AND ARBORIST REPORT BY RES FLORIDA CONSULTING, LLC. ANY WORK INVOLVING TREES (PROTECTION OF TREES, TREE TRIMMING, ROOT PRUNING, ETC) SHALL BE SUPERVISED AND APPROVED BY A CERTIFIED ARBORIST.

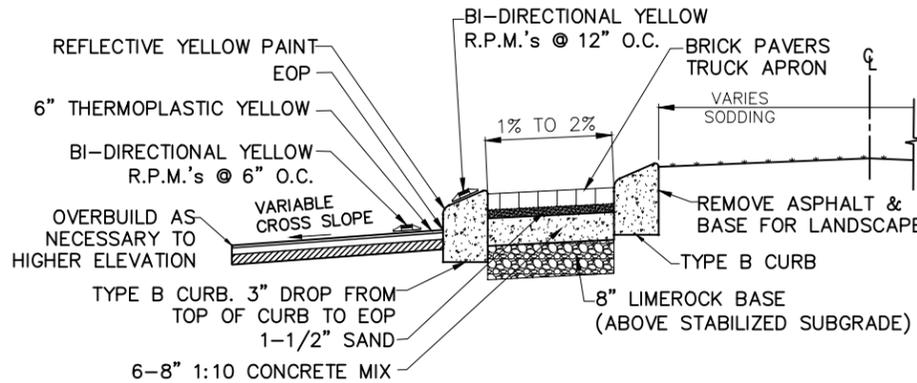


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- NOTES:  
 1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE. ALL SLEEVES SHALL BE SCHEDULE 40 PVC PIPE.  
 2. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.  
 3. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

**1** PIPE BENEATH PAVEMENT  
NOT TO SCALE



CROSS SECTION OF CIRCLE  
N.T.S.  
 -THE R.P.M.'s MOUNTED ON THE CURB SHALL BE PLACED FACING THE ONCOMING TRAFFIC FROM THE APPROACHES.  
 -THE R.P.M.'s MOUNTED ON THE CURB SHALL BE PLACED FACING THE ONCOMING TRAFFIC WITHIN THE CIRCLE.

REVISIONS

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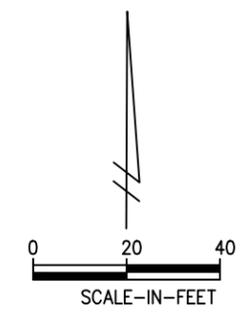
MIAMI-DADE COUNTY  
HIGHWAY DIVISION

NAME	DATE	NAME	DATE
DESIGNED BY: YF		DRAWN BY: GT	6/26/2023
CHECKED BY: YF		CHECKED BY: YF	

SUPERVISED BY: YANEX FERNANDEZ

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION  
 MIAMI-DADE  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

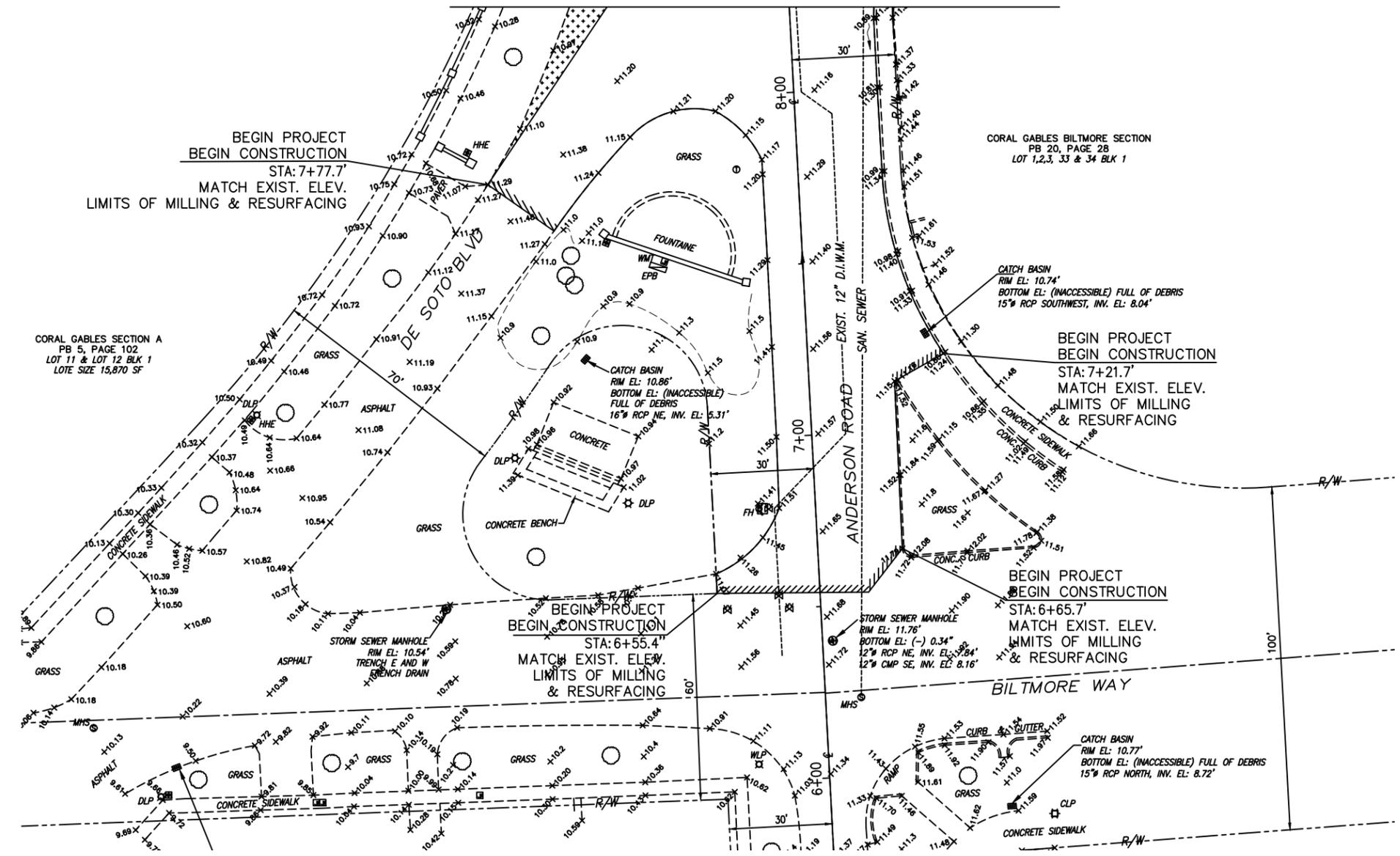
ROADWAY PLAN



- LEGEND:**
- DENOTES NEW CONSTRUCTION
    - 12" STABILIZED SUB-GRADE LBR40
    - LIMEROCK BASE 8" THICK (PRIMED)
    - TYPE SP STRUCTURAL COURSE (SP-9.5) (2" THICK)
    - FRICTION COURSE FC-9.5 (1" THICK)
  - RELOCATE TREES PER CONSTRUCTION PM RECOMMENDATION
  - DENOTES SODDED AREA TO MATCH EXISTING
  - DENOTES "V" SHAPE SWALE AND REMOVAL OF PAVEMENT WHERE APPLICABLE. FOR CONST. DETAILS PLEASE SEE "DRAINAGE NOTES" IN THIS SHEET.

- DRAINAGE NOTES:**
- BUILD "V" SHAPE SWALE. BOTTOM OF SWALE 3" BELOW EDGE OF PAVEMENT.
  - TOP "V" SHAPE SWALE ELEVATION SHALL MATCH EDGE OF PAVEMENT ELEVATION, AND SIDEWALK ELEVATION ON THE OPPOSITE SIDE WHERE APPLICABLE.

MATCH LINE STA 8+25.00 SHEET 4 OF 33



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MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

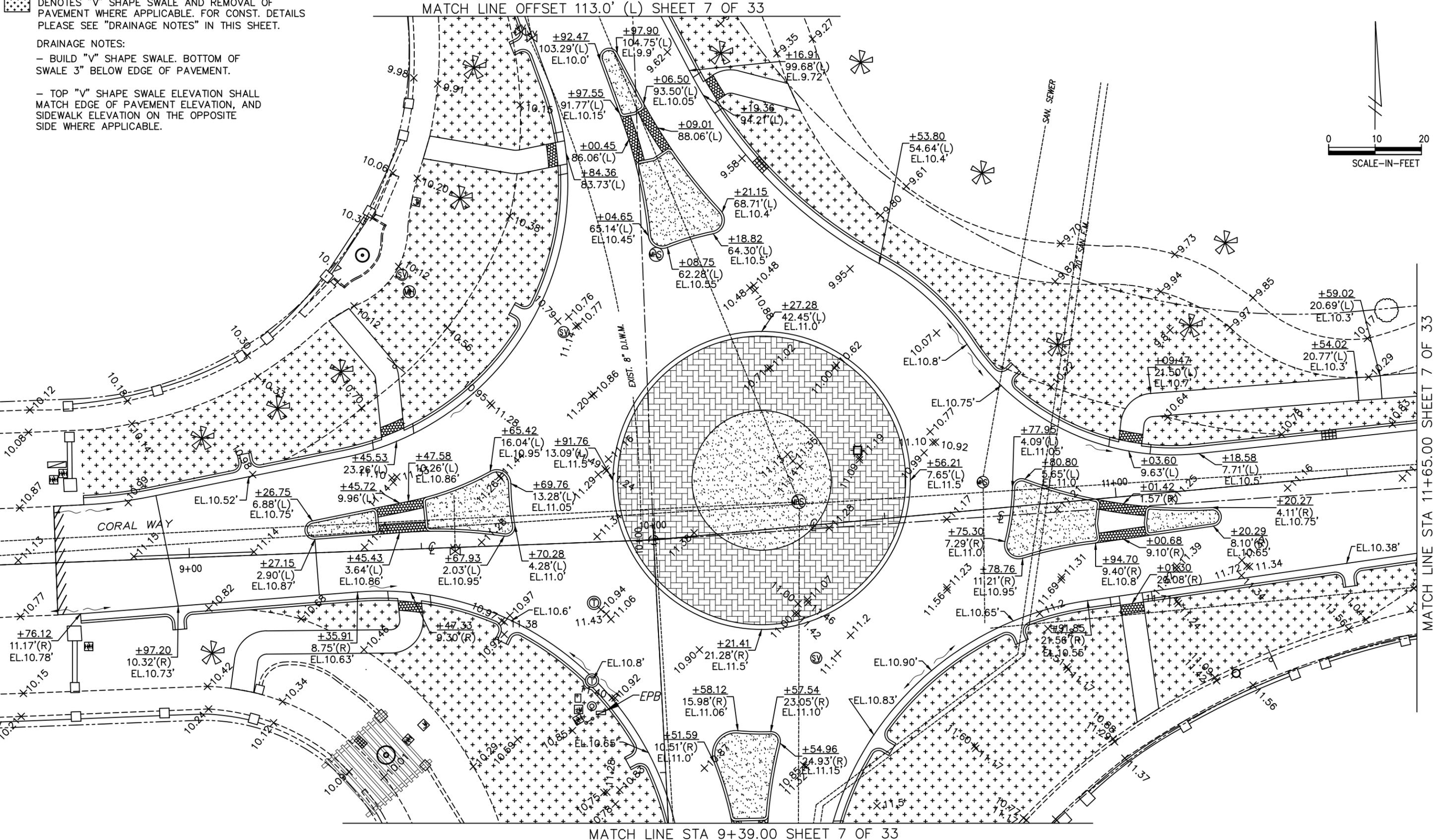
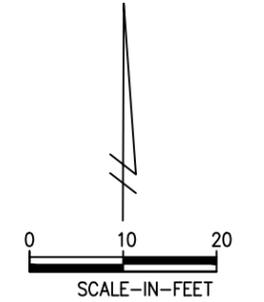
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SUPERVISED BY: YANEX FERNANDEZ			

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

ROADWAY PLAN

LEGEND:

-  DENOTES SODDED AREA TO MATCH EXISTING
  -  DENOTES "V" SHAPE SWALE AND REMOVAL OF PAVEMENT WHERE APPLICABLE. FOR CONST. DETAILS PLEASE SEE "DRAINAGE NOTES" IN THIS SHEET.
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 HIGHWAY DIVISION

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CHECKED BY	YF	CHECKED BY	YF
SUPERVISED BY	YANEX FERNANDEZ		



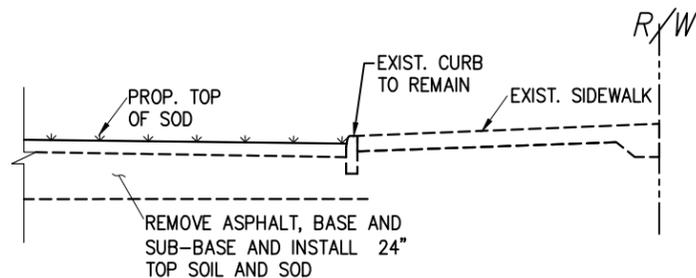
SPLITTER ISLANDS DETAILS  
 & GRADING PLAN

LEGEND:

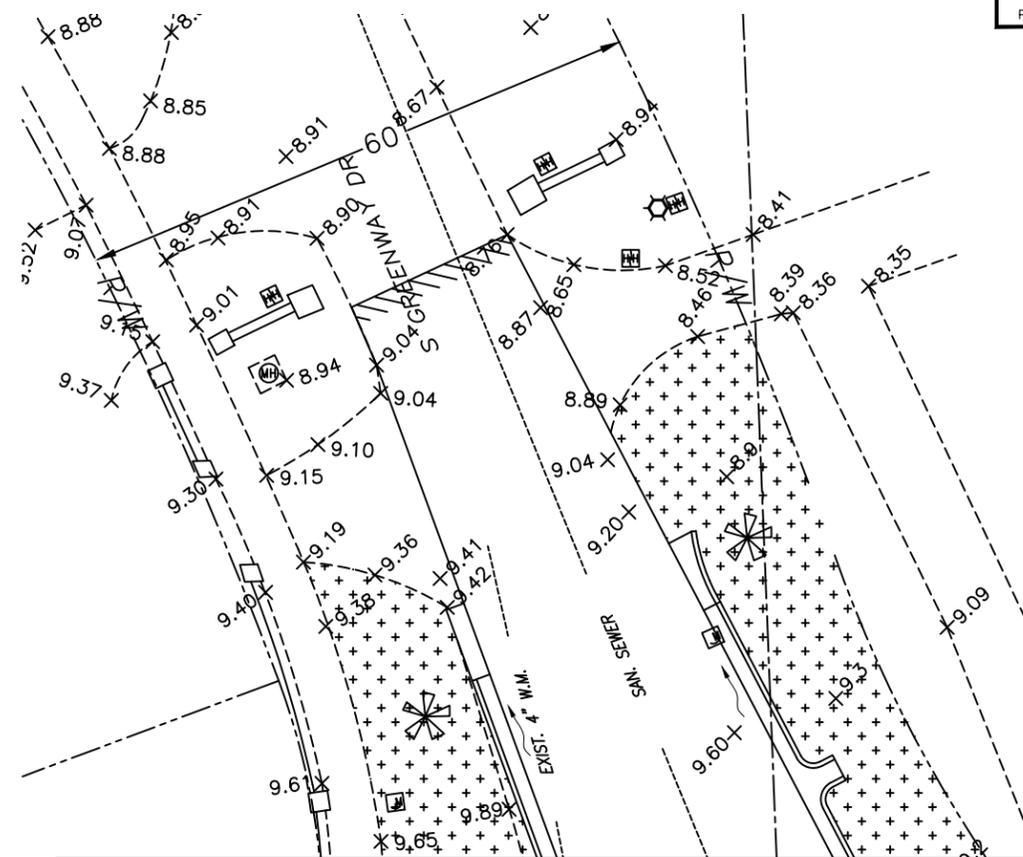
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DRAINAGE NOTES:

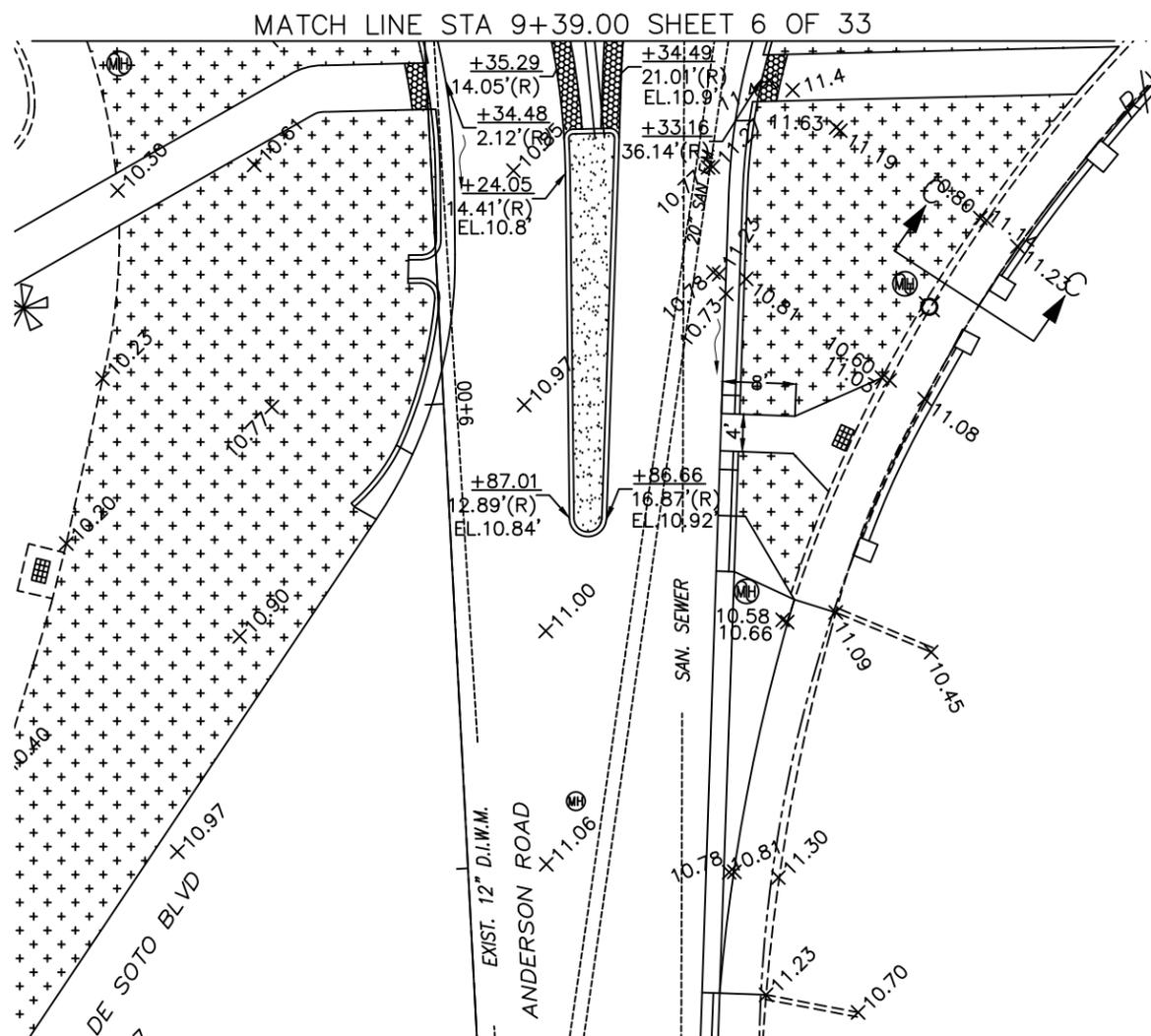
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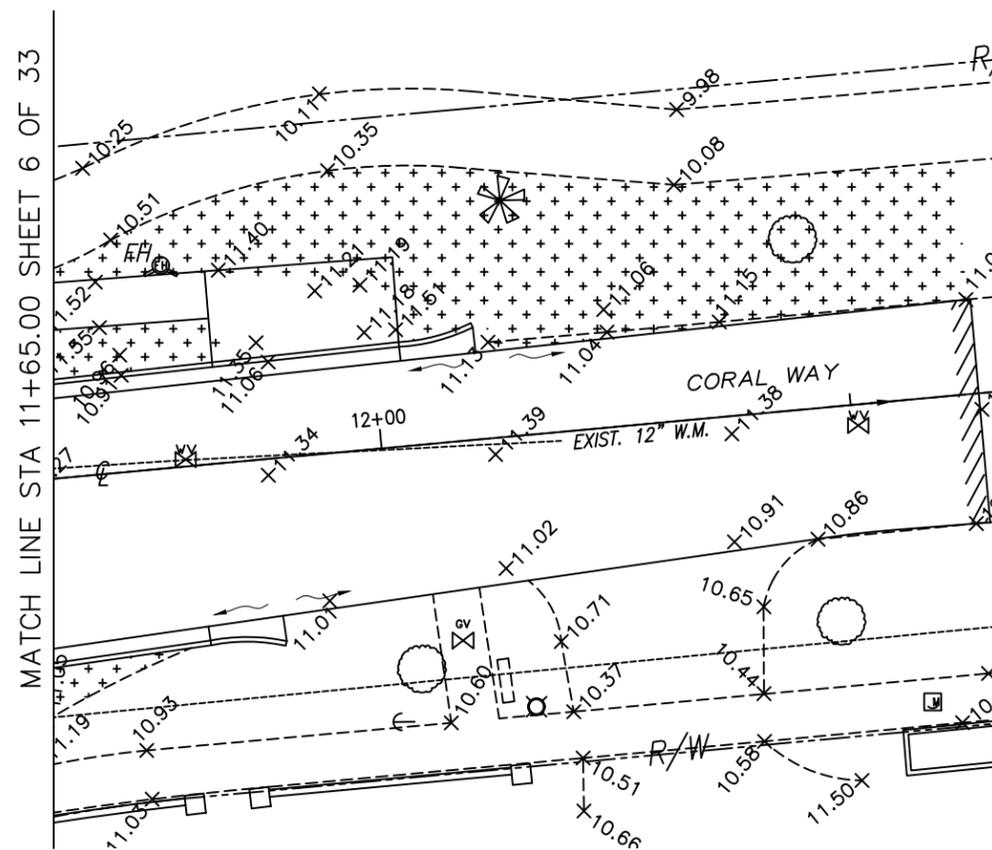
DETAIL SECTION C-C  
 N.T.S.



MATCH LINE OFFSET 113.0' (L) SHEET 6 OF 33



MATCH LINE STA 9+39.00 SHEET 6 OF 33



MATCH LINE STA 11+65.00 SHEET 6 OF 33

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MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

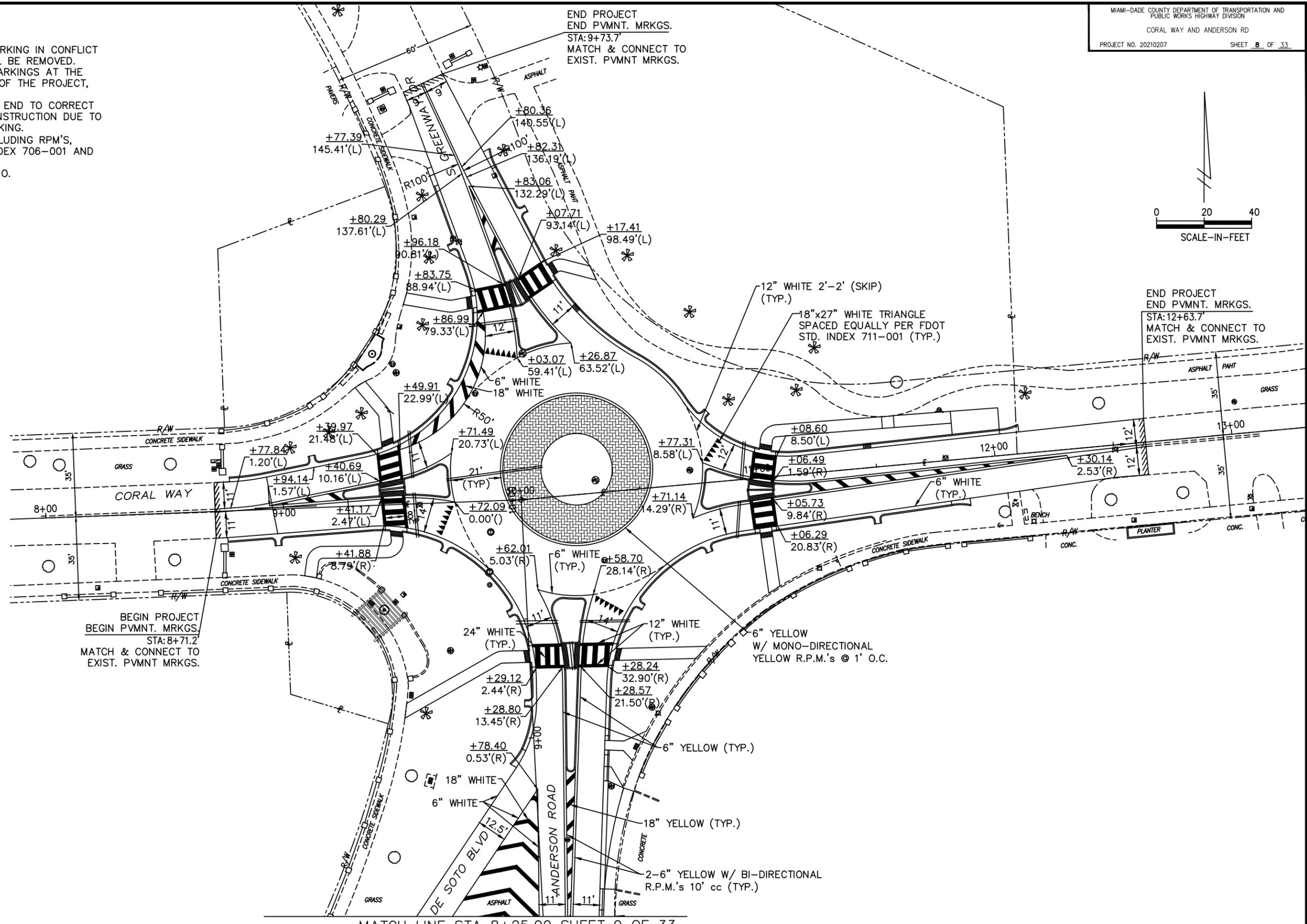
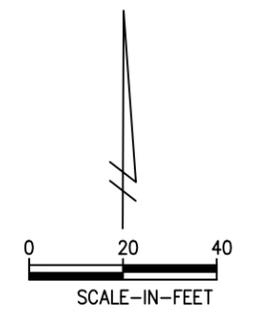
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SUPERVISED BY: YANEX FERNANDEZ			



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

SPLITTER ISLANDS DETAILS  
 & GRADING PLAN

- GENERAL NOTES:
- A. ALL SIGNS AND PAVEMENT MARKING IN CONFLICT WITH PROPOSED DESIGN SHALL BE REMOVED.
  - B. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING, AND AT THE END OF THE PROJECT, AND AT ALL SIDE STREETS.
  - C. EXTEND STRIPING AT PROJECT END TO CORRECT STRIPING OBLITERATED BY CONSTRUCTION DUE TO TRACK AND BITUMINOUS TRACKING.
  - D. FOR PAVEMENT MARKINGS INCLUDING RPM'S, REFER TO FDOT STANDARD INDEX 706-001 AND 711-001 AS APPLICABLE.
  - E. EXISTING SIGN TO REMAIN U.N.O.



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MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

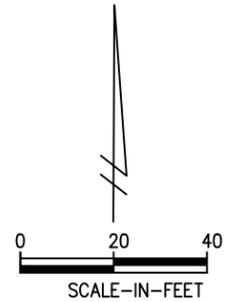
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YF			GT		6/26/2023
CHECKED BY	YF		CHECKED BY	YF	
SUPERVISED BY: YANEK FERNANDEZ					

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION  
 MIAMI-DADE  
 STEPHEN P. CLARK CENTER  
 111 NW 1<sup>ST</sup> ST  
 MIAMI, FLORIDA 33128

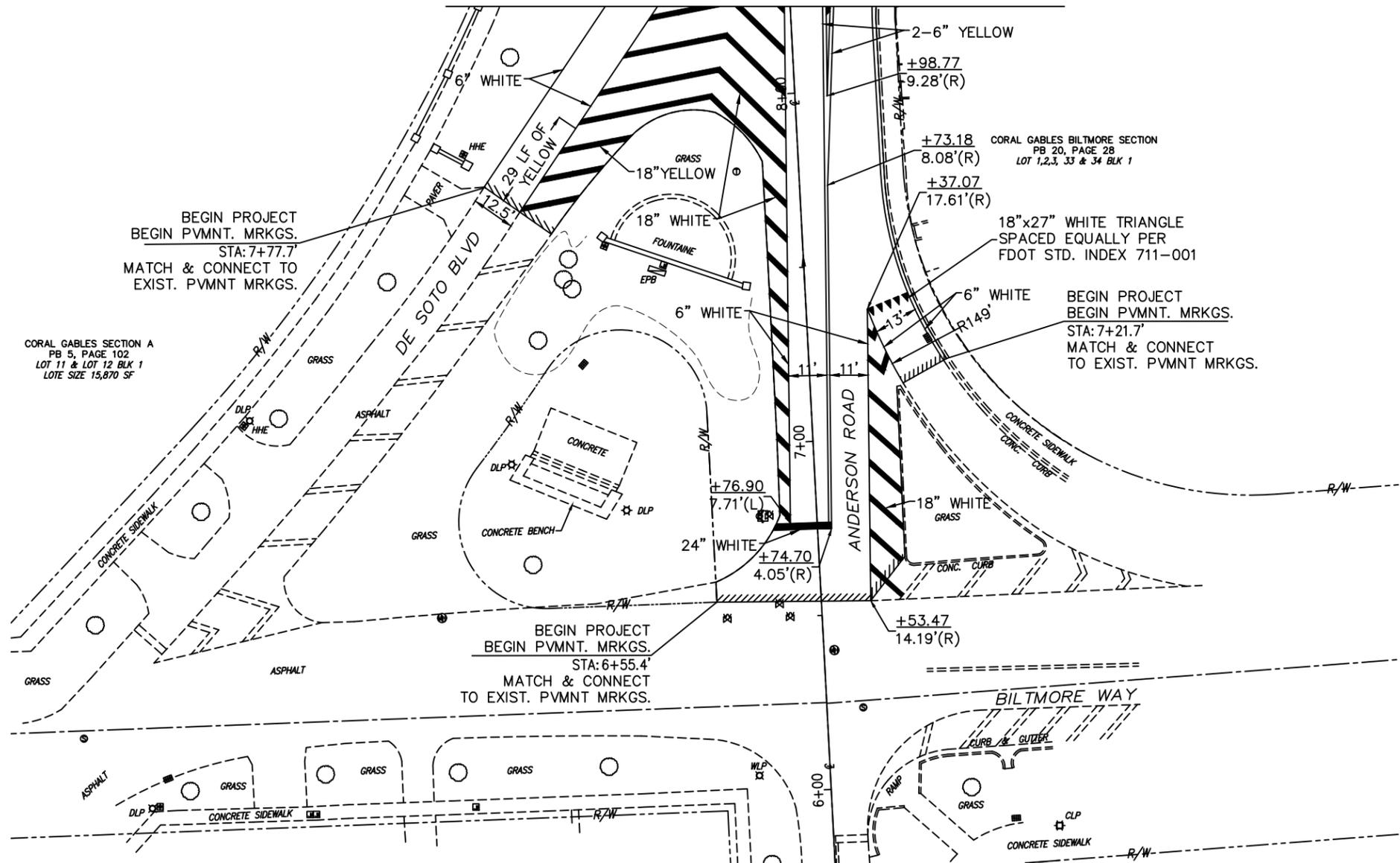
PAVEMENT MARKINGS PLAN

GENERAL NOTES:

- A. ALL SIGNS AND PAVEMENT MARKING IN CONFLICT WITH PROPOSED DESIGN SHALL BE REMOVED.
- B. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING, AND AT THE END OF THE PROJECT, AND AT ALL SIDE STREETS.
- C. EXTEND STRIPING AT PROJECT END TO CORRECT STRIPING OBLITERATED BY CONSTRUCTION DUE TO TRACK AND BITUMINOUS TRACKING.
- D. FOR PAVEMENT MARKINGS INCLUDING RPM'S, REFER TO FDOT STANDARD INDEX 706-001 AND 711-001 AS APPLICABLE.
- E. EXISTING SIGN TO REMAIN U.N.O.



MATCH LINE STA 8+25.00 SHEET 8 OF 33



BEGIN PROJECT  
 BEGIN PVMNT. MRKGS.  
 STA: 7+77.7  
 MATCH & CONNECT TO  
 EXIST. PVMNT MRKGS.

CORAL GABLES SECTION A  
 PB 5, PAGE 102  
 LOT 11 & LOT 12 BLK 1  
 LOT SIZE 15,870 SF

CORAL GABLES BILTMORE SECTION  
 PB 20, PAGE 28  
 LOT 1,2,3, 33 & 34 BLK 1

BEGIN PROJECT  
 BEGIN PVMNT. MRKGS.  
 STA: 7+21.7  
 MATCH & CONNECT  
 TO EXIST. PVMNT MRKGS.

BEGIN PROJECT  
 BEGIN PVMNT. MRKGS.  
 STA: 6+55.4  
 MATCH & CONNECT  
 TO EXIST. PVMNT MRKGS.

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MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

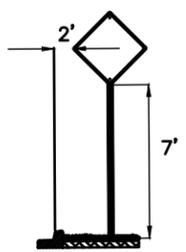
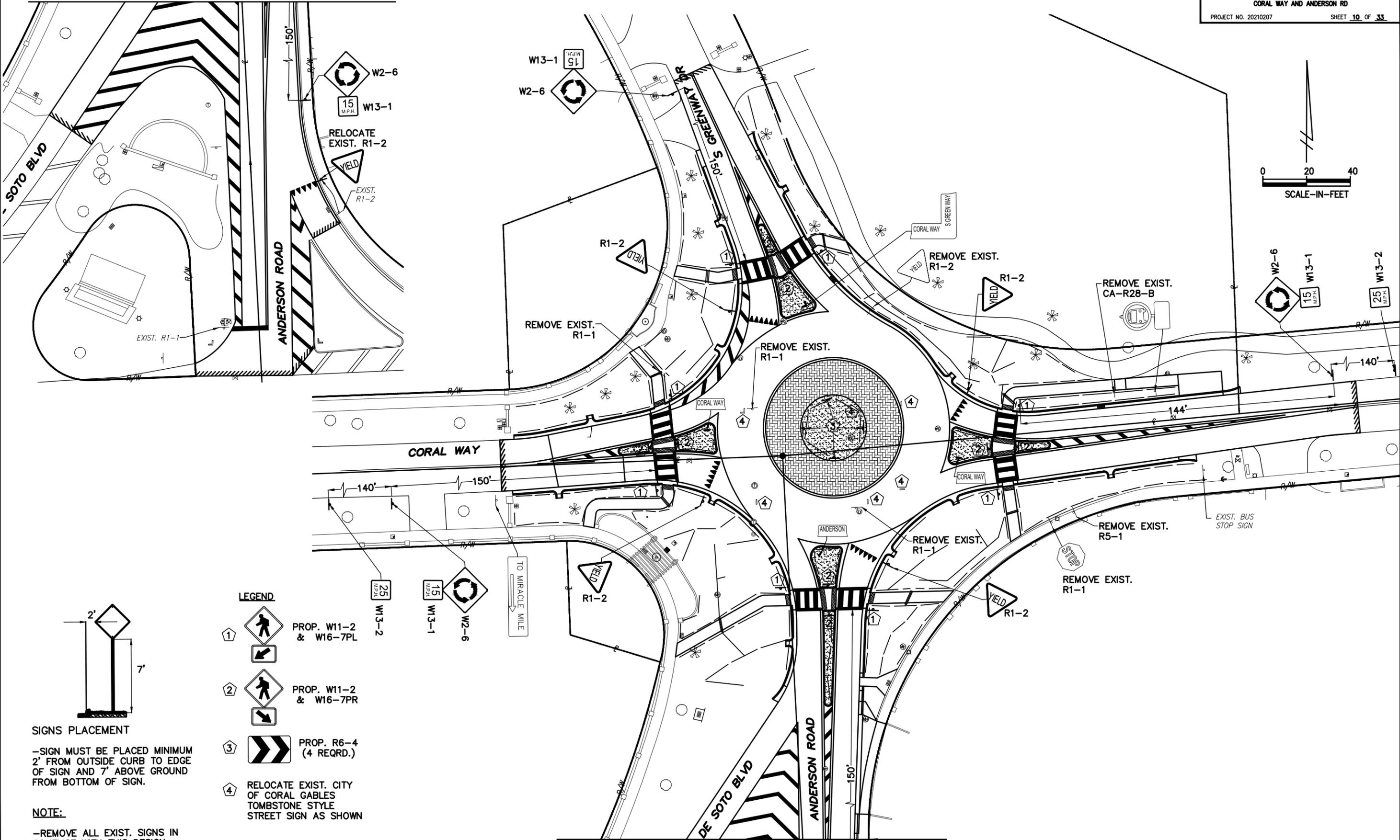
NAME	DATE	NAME	DATE
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SUPERVISED BY: YANEK FERNANDEZ			

DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC WORKS  
 HIGHWAY DIVISION  

 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

PAVEMENT MARKINGS PLAN

MATCH LINE STA 8+25.00 SEE THIS SHEET



**SIGNS PLACEMENT**  
 -SIGN MUST BE PLACED MINIMUM 2' FROM OUTSIDE CURB TO EDGE OF SIGN AND 7' ABOVE GROUND FROM BOTTOM OF SIGN.

**NOTE:**  
 -REMOVE ALL EXIST. SIGNS IN CONFLICT WITH THIS DESIGN.

- LEGEND**
- 1 PROP. W11-2 & W16-7PL
  - 2 PROP. W11-2 & W16-7PR
  - 3 PROP. R6-4 (4 REQRD.)
  - 4 RELOCATE EXIST. CITY OF CORAL GABLES TOMBSTONE STYLE STREET SIGN AS SHOWN

MATCH LINE STA 8+25.00 SEE THIS SHEET

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MIAMI-DADE COUNTY  
 HIGHWAY DIVISION

DESIGNED BY	CHECKED BY	NAME	DATE	DRAWN BY	CHECKED BY	NAME	DATE
YF	YF	YANEX FERNANDEZ	8/26/2023	GT	YF	GT	8/26/2023

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION  
 MIAMI-DADE COUNTY  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

SIGNING PLAN

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**GENERAL NOTES**

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL AS PERTAINS TO MAINTENANCE OF TRAFFIC, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA
2. THE CONTRACTOR SHALL DEVELOP MAINTENANCE OF TRAFFIC PLAN OF HIS OWN, MEETING THE REQUIREMENTS SPECIFIED IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION AND THE FDOT INDEX 600 SERIES. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION. THE PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
3. TEMPORARY PAVEMENT SHALL CONSIST OF A MINIMUM OF 6 INCH LIMEROCK BASE, PRIME COAT AND 1-1/2 INCHES HMA. THE BASE LAYER SHALL BE PLACED OVER A FIRM, UNYIELDING, WELL-COMPACTED SUBGRADE. COST OF CONSTRUCTION AND REMOVAL OF TEMPORARY PAVEMENT TO BE INCLUDED IN PAY ITEM 339-2, TEMPORARY ASPHALT.
4. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHoles THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM 339-2, TEMPORARY ASPHALT.
5. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY COORDINATING WITH DADE COUNTY PUBLIC WORKS DEPARTMENT AND DADE COUNTY TRAFFIC OPERATIONS, AS WELL AS CITY OF CORAL GABLES.
6. THE CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF A DETOUR IN ACCORDANCE WITH SECTION 336.07 OF THE FLORIDA STATUTES.
7. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
8. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
9. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NONEVENT DAYS/NIGHTS. NO INTERRUPTION TO TRAFFIC IS PERMITTED FROM MONDAY-FRIDAY 7-9 A.M. AND 4-6 P.M. OR ON WEEKENDS AND HOLIDAYS.
10. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE 25 M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARD INDEXES.
11. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE GIVEN ACCESS TO THEIR PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS INCLUDE ALL COMMERCIAL ESTABLISHMENTS AND BUSINESSES.
12. SIGNS ARE TO BE LOCATED BEFORE EACH BUSINESS OR SHOPPING PLAZA ENTRANCE WHERE CONSTRUCTION NEGATIVELY IMPACTS THE ACCESS TO THE BUSINESS OR SHOPPING PLAZA OR AS DIRECTED BY THE ENGINEER. TWO SIGNS WILL TYPICALLY BE REQUIRED AT EACH ENTRANCE. SIGNS ARE TO BE DISPLAYED AS DESCRIBED IN INDEX 600 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS.
13. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
14. CONTRACTOR SHALL REMOVE, RELOCATE, OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING, AND RESTORING THE SIGNS SHALL BE INCLUDED IN THE PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
15. EACH EXISTING STREET NAME AND TRAFFIC SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED IN THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
19. FOR DROP-OFF, THE CONTRACTOR'S ATTENTION IS DIRECTED TO FDOT STANDARD INDEX NO. 600, SHEET 7 OF 10. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.
20. DURING ASPHALT CONSTRUCTION OPERATIONS, NO MORE THAN 1/4" DROP-OFF BETWEEN ADJACENT TRAVEL LANES OR AT TRANSVERSE JOINTS SHALL BE ALLOWED WHEN LANES ARE OPEN TO TRAFFIC. WHERE DROP OFF CONDITIONS EXIST, THE SIGNING FOR UNEVEN PAVEMENT SHALL BE INSTALLED FOR THE DURATION OF THE CONDITION (WB-9AP).
21. THE CONTRACTOR IS TO PLACE TEMPORARY OR REMOVABLE PAVEMENT MARKINGS BETWEEN EACH LAYER OF PAVEMENT, AND IS RESPONSIBLE FOR THE TEMPORARY RELOCATION OF STOP BARS & STOP SIGNS AS APPLICABLE. PAVEMENT MARKINGS AND BARRICADES PLACEMENT SHALL BE APPROPRIATELY COORDINATED.
22. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS. COST OF REMOVAL OF TEMPORARY PAVEMENT MARKINGS, REGARDLESS OF METHOD, IS INCLUDED IN THE RELATED PAY ITEMS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
23. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT. ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMS SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
24. TEMPORARY RAISED PAVEMENT MARKERS (RPMS) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSS-OVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMS SHALL BE 40 FT. ON CENTERS FOR TANGENT SECTIONS AND 5 FT. FOR TRANSITIONS, CURVES, AND CROSSOVERS. THE RPMS SHALL EXTEND 100 FT. ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMS SHALL BE INCLUDED IN THE PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
25. CONTRACTOR SHALL NOTIFY MIAMI-DADE COUNTY TRAFFIC SIGNS AND SIGNALS DIVISION LOCATED AT 7100 NW 36 STREET, MIAMI, FLORIDA 33166 AND PHONE NO. (305) 592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF RELOCATING TRAFFIC SIGNAL HEADS, PROVIDING AND REMOVING TEMPORARY SIGNALS, AND MAINTAINING THE EXISTING TEMPORARY TRAFFIC SIGNAL SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
26. THE PROPOSED SIGNALS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING SYSTEM AND SHALL BE ADJUSTED TO THE TRAFFIC NEEDS FOR EACH CONSTRUCTION PHASE.
27. THE CONTRACTOR SHALL MAINTAIN ON-LINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OR PHONE LINE CONSTRUCTION. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
28. INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL COMPLETE AND UNTIL STRUCTURAL COURSE IS IN PLACE.
29. AT ALL INTERSECTING STREETS, NO LESS THAN ONE "ROAD CONSTRUCTION AHEAD" SIGN AND ONE "END CONSTRUCTION" SIGN MUST BE INSTALLED. (TWO EACH FOR STREETS WITH MEDIAN).
30. ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE ENGINEER. FOR EVERY BLOCK, CONSTRUCTION OF DRAINAGE AND SIDEWALK SHOULD BE CONCURRENT WITH ROADWAY CONSTRUCTION.
31. MOT TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING A 1:20 HMA SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. ALL MATERIAL, WORK, INCLUDING ITS REMOVAL, SHALL BE INCLUDED IN PAY ITEM 339-2, TEMPORARY ASPHALT.
32. COORDINATION WITH DADE COUNTY PUBLIC WORKS DEPARTMENT WILL BE REQUIRED.
33. PAVED TEMPORARY CONNECTIONS SHALL BE PROVIDED AT INTERSECTIONS AS DIRECTED BY THE ENGINEER.
34. TRAFFIC SHALL BE MAINTAINED ON A PAVED, DUST-FREE SURFACE AT ALL TIMES.
35. THE CONTRACTOR MUST MAINTAIN TWO LANES OF TRAFFIC AT ALL TIMES. ALL LANES TO BE A MINIMUM OF 10 FT. IN WIDTH.
36. PLANS INDICATE ONLY THE PHASES FOR CONSTRUCTION. MILLING AND RESURFACING OPERATIONS MUST FOLLOW THE SAME FDOT 600 INDEX SERIES, AND MUST BE ACCOMPLISHED AT HOURS APPROVED BY THE ENGINEER.
37. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ROADWAY LIGHTING ILLUMINATION LEVELS DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN EXISTING LIGHTING OR SUPPLY TEMPORARY LIGHTING UNTIL THE PROPOSED SYSTEM IS IN OPERATION. THE CONTRACTOR SHALL SUBMIT A COMPLETE PROPOSED METHOD OF MAINTAINING LIGHTING FOR APPROVAL BY COUNTY ENGINEER PRIOR TO BEGINNING WORK. REFER TO ROADWAY LIGHTING PLANS AND OTHER APPLICABLE DRAWINGS FOR INFORMATION ON EXISTING AND PROPOSED ROADWAY LIGHTING AND DETAIL OF ROADWAY CONSTRUCTION. IF ANY PART OF THE SYSTEM IS OWNED BY F.P.&L, COORDINATE CLOSELY WITH F.P.&L.
38. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE EROSION CONTROL MEASURES TO PREVENT CLOG OF PROPOSED DRAINAGE STRUCTURES AND SEDIMENT INTRUSION ON WATERWAYS DURING CONSTRUCTION. THESE MEASURES SHALL BE APPROVED BY THE ENGINEER AND CONFORM WITH CURRENT EDITION OF THE FDOT DESIGN STANDARDS FOR EROSION CONTROL (100 SERIES).
39. CONTRACTOR MUST MAINTAIN DRAINAGE AT ALL TIMES. THE EXISTING DRAINAGE SYSTEM SHALL BE KEPT OPERATIONAL OR TEMPORARY DRAINAGE PROVIDED WHILE THE PROPOSED DRAINAGE SYSTEM IS BEING CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE THE NECESSARY TEMPORARY DRAINAGE AS APPROVED BY THE ENGINEER. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
40. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 1/2" INCHES ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN THE PAY ITEM 339-2, TEMPORARY ASPHALT.
41. PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAFFIC SHALL BE MAINTAINED AND GUIDED USING APPROVED WARNING LIGHTS, SIGNING, AND DELINEATION DEVICES ON AT LEAST ONE SIDE OF THE PROJECT AT ALL TIMES THROUGHOUT THE PROJECT LIMITS. THE TRAVEL PATH SHALL BE A MINIMUM OF 4 FT. WIDE WITH A SMOOTH SURFACE THAT IS NOT SLICK AND IT SHOULD BE RAMPED AS NECESSARY FOR CONTINUITY. COST SHALL BE INCLUDED IN THE PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
42. THE CONTRACTOR SHALL FURNISH AND MAINTAIN VARIABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER. MESSAGES FOR THE VMS SHALL BE AS DIRECTED BY THE ENGINEER. THE VMS SHALL BE IN PLACE ONE WEEK BEFORE THE START OF ANY WORK ITEMS AFFECTING THE EXISTING VEHICULAR AND PEDESTRIAN TRAFFIC. VMS INSTALLATION, OPERATION, AND REMOVAL TO BE INCLUDED IN THE PAY ITEM 102-1A, MAINTENANCE OF TRAFFIC.
43. THE CONTRACTOR MUST PROVIDE FLASHING ARROW BOARD FOR ANY LANE THAT IS CLOSED OR DIVERTED.
44. MOT PER FDOT STANDARDS INDEXES 102-603, 102-604 AND 102660.

T:\TRANSPORTATION DESIGN\PROJECTS\TRAFFIC CALMING\SW SECTION\CORAL WAY & ANDERSON ROAD\CADD\CORAL WAY & ANDERSON RD 9 9 24.dwg Mar 18, 2023 - 8:44am E327537

REVISIONS

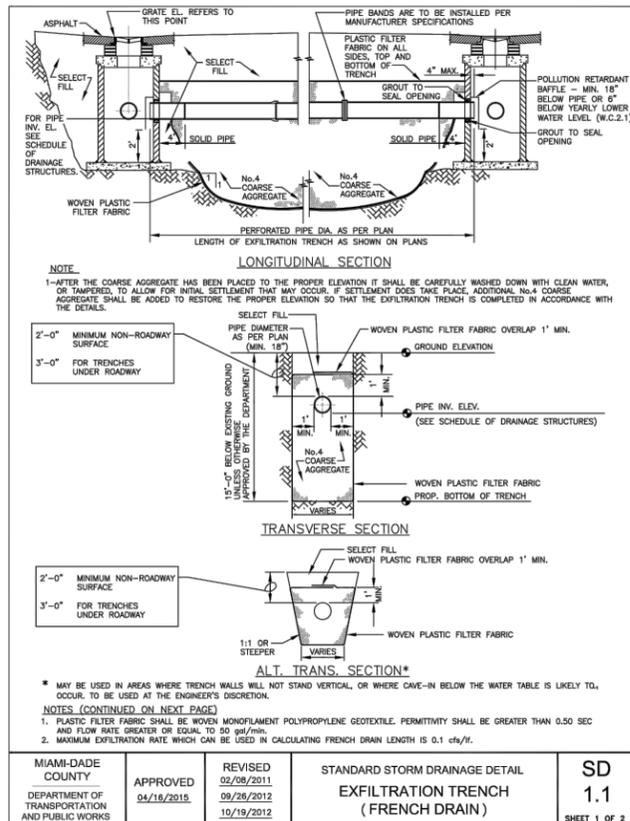
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MIAMI-DADE COUNTY  
HIGHWAY DIVISION

NAME	DATE	NAME	DATE
DESIGNED BY	YF	DRAWN BY	GT
CHECKED BY	YF	CHECKED BY	YF
SUPERVISED BY: YANEX FERNANDEZ			

**MIAMI-DADE COUNTY**  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

MAINTENANCE OF TRAFFIC  
GENERAL NOTES



- NOTES (CONTINUED)**
- THE MINIMUM PIPE DIAMETER FOR DRAINAGE SYSTEM WITHIN THE ROADWAY RIGHT-OF-WAY SHALL BE 18 INCHES. 15 INCH PIPE MAY BE USED IN PRIVATE ROADWAYS.
  - NO TREES TO BE PLANTED WITHIN 5 FEET OF THE EDGE OF THE TRENCH.
  - TYPE "P" S.D. STRUCTURE IS RECOMMENDED FOR SMALL DRAINAGE AREAS LESS THAN 0.2 ACRE PER CATCH BASIN.
  - TYPE "P" S.D. STRUCTURE IS RECOMMENDED FOR AREAS LARGER THAN 0.2 ACRE.
  - ALL INVERTS OF PERFORATED PIPES TO BE AT MEAN HIGH OCTOBER WATER TABLE W.C. 2.2.
  - PIPES CAN BE ALLOWED BELOW MEAN HIGH OCTOBER WATER TABLE DUE TO UTILITY CONFLICTS OR IN ORDER TO PROVIDE THE REQUIRED MINIMUM COVER.
  - NEEDPENS GASKET REQUIRED FOR Baffles ON ALL CONTACT EDGES MOUNTED ON WALL.
  - OIL AND GREASE Baffle IS REQUIRED FOR ALL DRAINAGE STRUCTURES PRECEDING AN OUTFALL OR EXFILTRATION TRENCHES, IN PROJECTS LOCATED IN WELLFIELD PROTECTION AREAS, ROAD INTERSECTIONS WITH TRAFFIC LIGHTS, AND LARGE PARKING LOTS WHICH INCLUDE 15 PARKING SPACES OR MORE.
  - OIL AND GREASE Baffle MAY BE WAIVED IN SUBURBAN RESIDENTIAL AREAS.

**GENERAL NOTES FOR PIPE CULVERTS**

CONTRACTOR HAS THE OPTION OF INSTALLING ANY PIPE MEETING THE REQUIREMENTS OF SECTION 443-2 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS LONG AS THE MANUFACTURER IS LISTED, AT THE TIME OF PIPE INSTALLATION, IN FDOT'S LIST OF PRODUCERS WITH ACCEPTED QUALITY CONTROL PROGRAMS. PIPES WITH LESS THAN A 100-YEAR CERTIFICATION CANNOT BE USED ON SECTION LINE, HALF SECTION LINE, COLLECTOR ROADWAYS, AND ARTERIALS. 50-YEAR PIPE CERTIFICATION REQUIRED FOR ALL OTHER MINOR/LOCAL ROADWAYS.

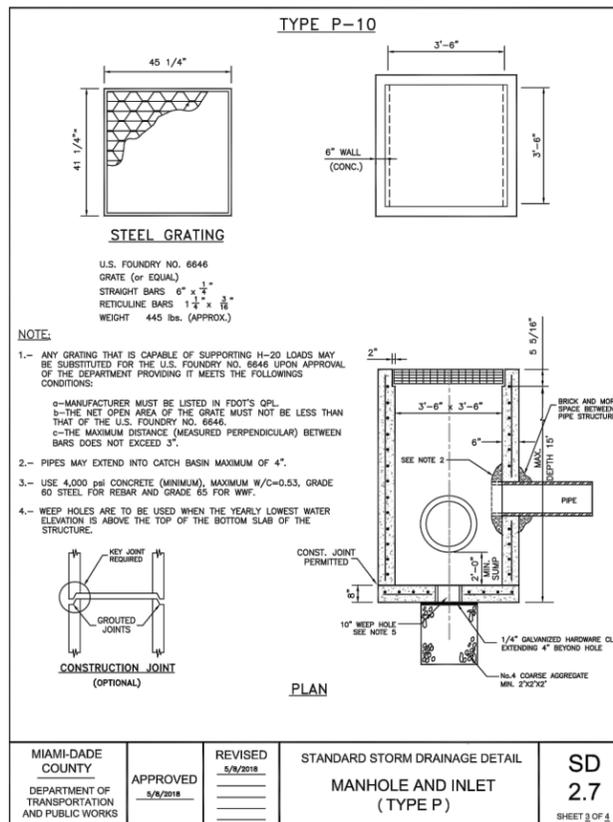
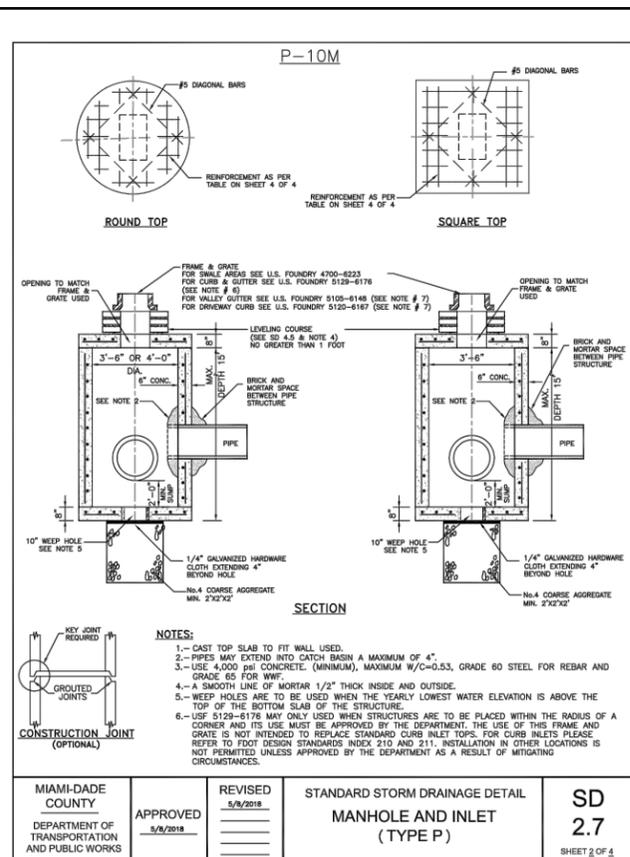
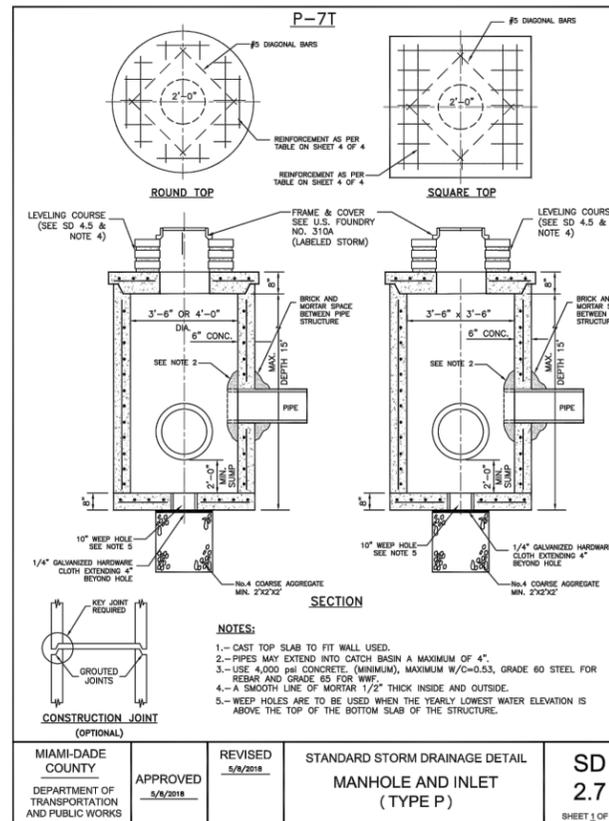
**MINIMUM NUMBER OF PERFORATION IN PIPE CULVERTS**

PIPE DIAMETER (Inches)	OUTER SHELL	LINER
	No. of 3/8" Dia. Holes (PER LIN. FT. OF PIPE)	No. of 1/2" Dia. Holes (PER LIN. FT. OF PIPE)
15	100	50
18	120	60
24	160	80
30	200	100
36	240	120
42	275	140
48	315	150
54	355	180
60	395	200
72	470	235
84	550	275

**NOTE:**

PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
APPROVED 04/16/2015  
REVISED 06-04-88, 10-22-13, 05-02-81  
STANDARD STORM DRAINAGE DETAIL  
EXFILTRATION TRENCH (PIPE CULVERT NOTES)  
SD 1.1  
SHEET 2 OF 2



**SQUARE STRUCTURE**

Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@2" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	10.1 - 15.0	6.0	#5@6"H #4@10"V	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

**ROUND STRUCTURE**

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	4.0	0.0 - 5.0	6.0	8 x 8 W20 or #4@10"E.W.	8.0	#4@2" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 x 8 W20 or #4@10"E.W.	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 x 8 W20 or #4@10"E.W.	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
APPROVED 5/9/2018  
REVISED 5/9/2018  
STANDARD STORM DRAINAGE DETAIL  
MANHOLE AND INLET (TYPE P)  
SD 2.7  
SHEET 4 OF 4

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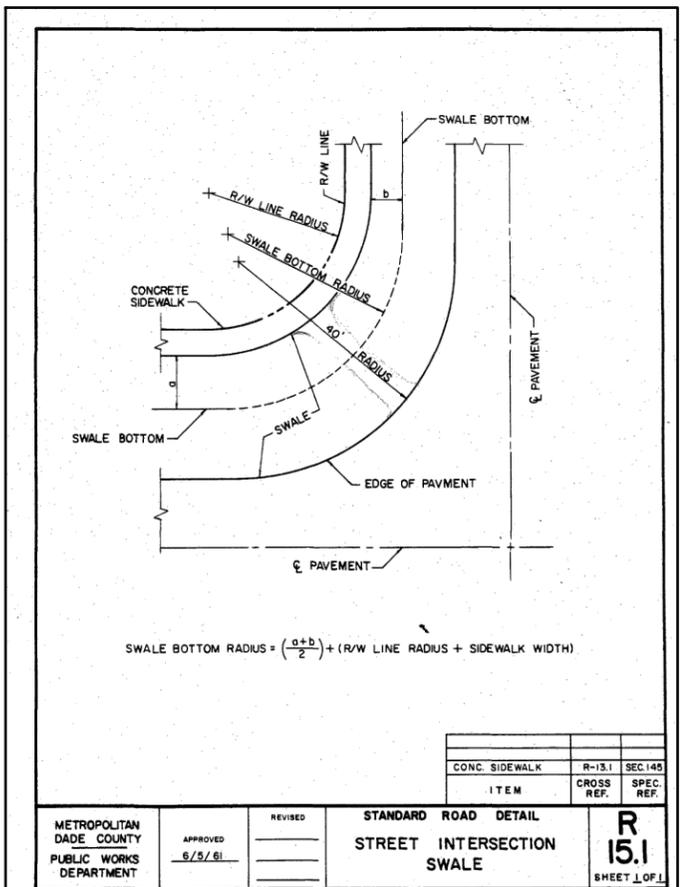
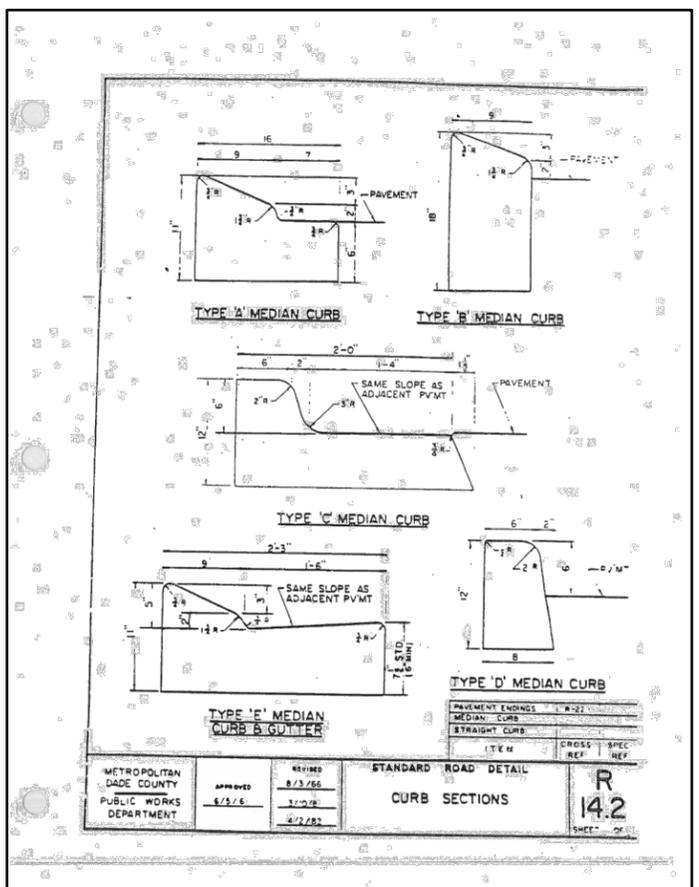
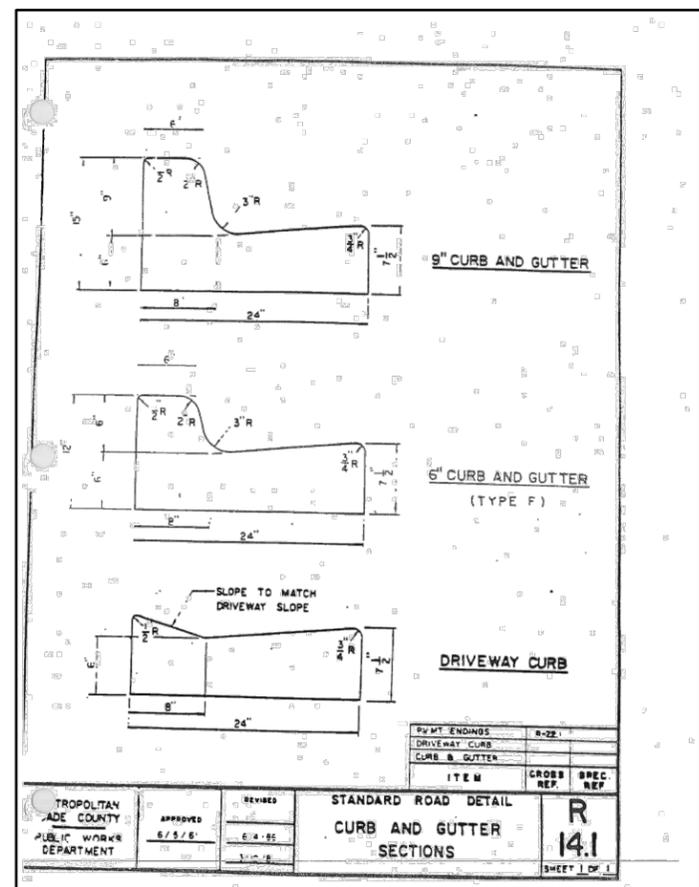
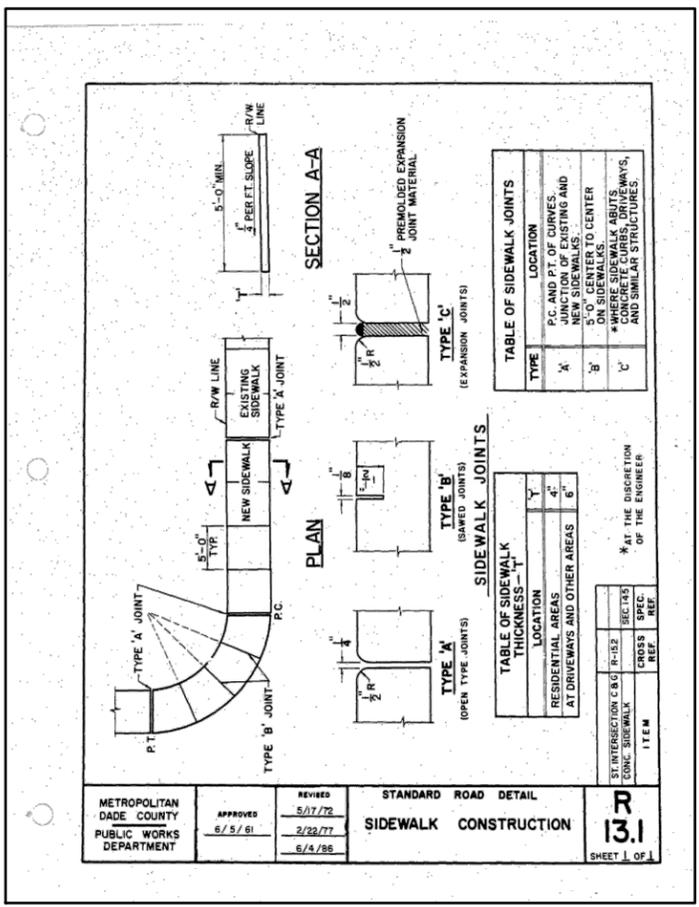
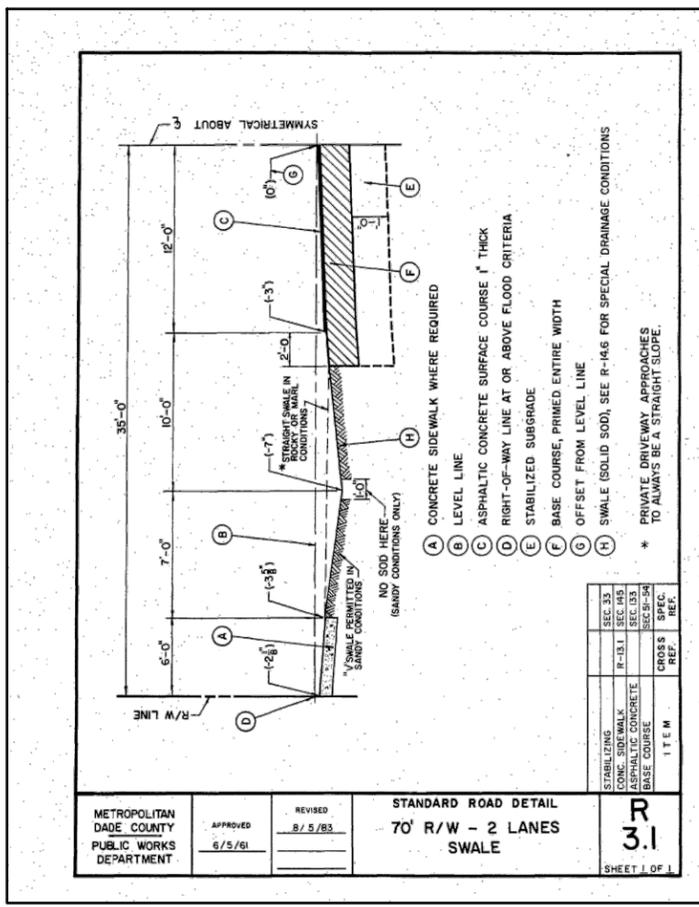
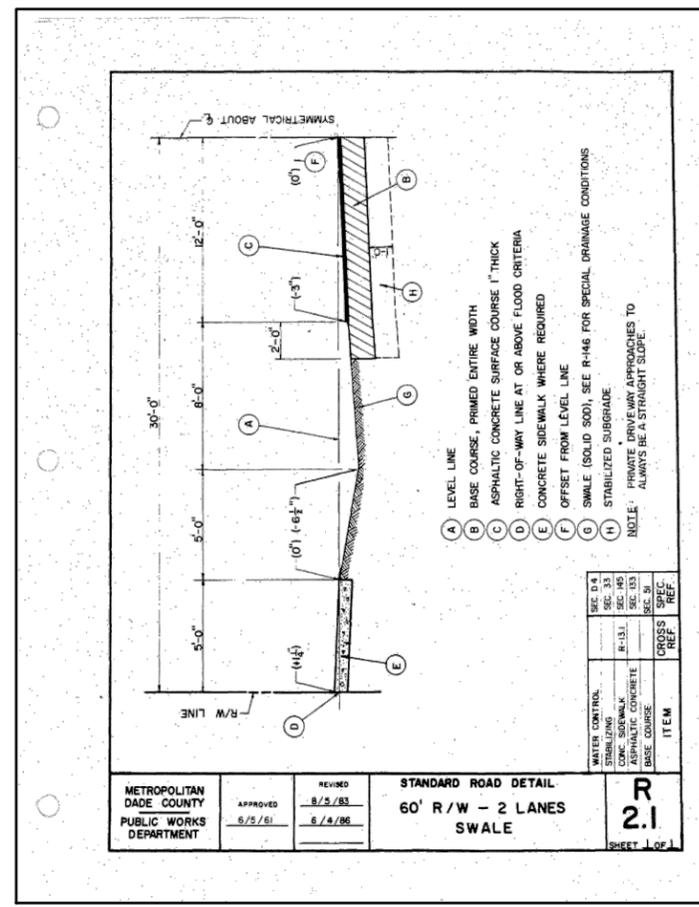
MIAMI-DADE COUNTY HIGHWAY DIVISION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
GT			GT		9-19-2023
YF			YF		

SUPERVISED BY: YANEX FERNANDEZ

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
STEPHEN P. CLARK CENTER  
111 NW 1 ST  
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STANDARD DETAILS



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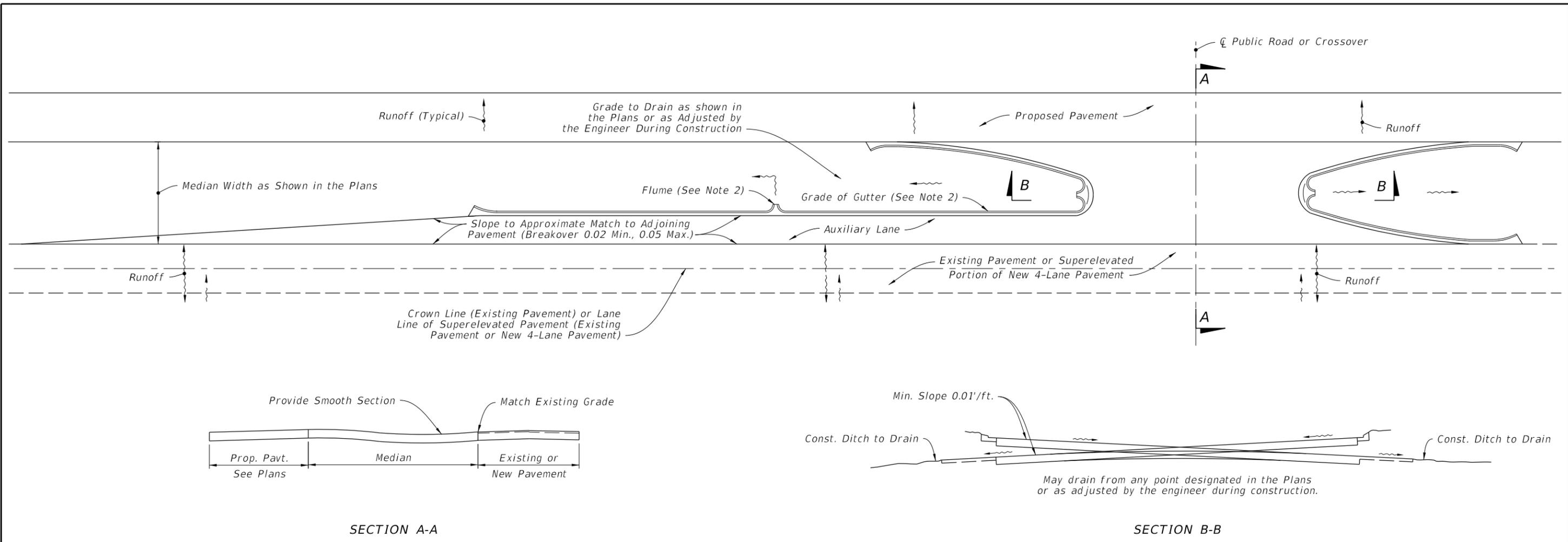
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MIAMI-DADE COUNTY HIGHWAY DIVISION

DESIGNED BY: GT	DATE: 9-19-2023	DRAWN BY: GT	DATE: 9-19-2023
CHECKED BY: YF		CHECKED BY: YF	
SUPERVISED BY: YANEX FERNANDEZ			

**DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION**  
 MIAMI-DADE COUNTY  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

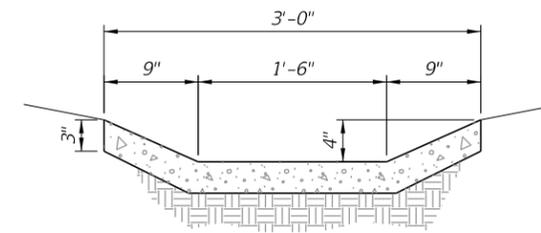
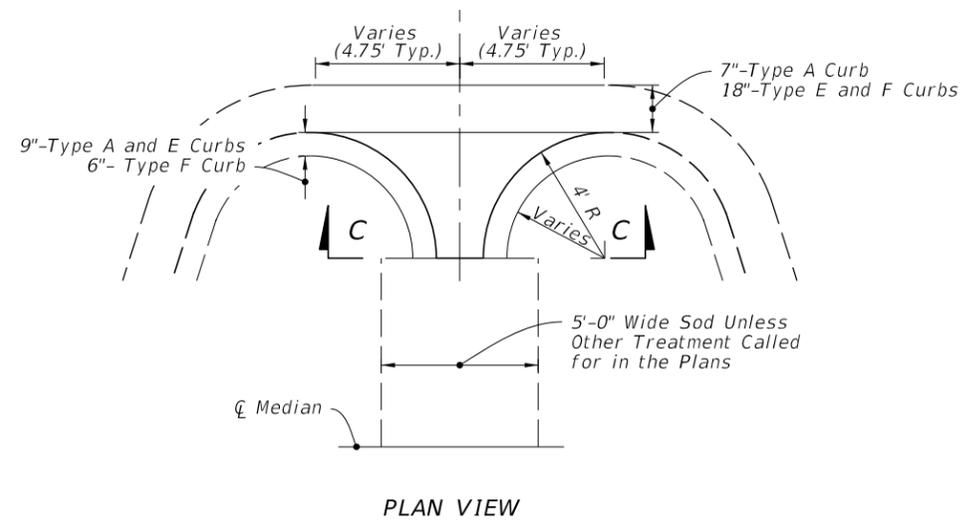
STANDARD DETAILS



MEDIAN OPENING DETAIL

NOTES:

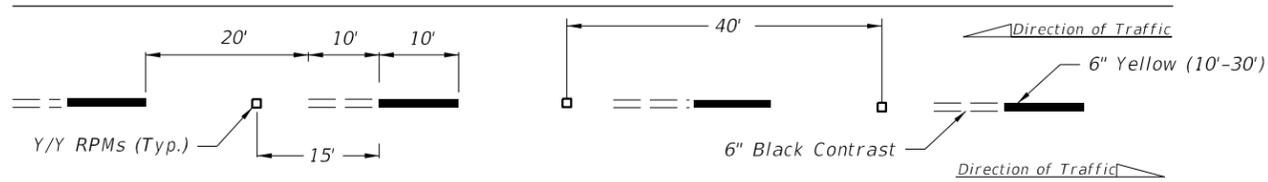
1. These details are to apply to projects which provide for the conversion of 2-lane sections to 4-lane divided highway sections and for superelevated sections of new 4-lane divided highways. Layout above is illustration only.
2. See Plans for flume length and location and grade of gutter. Flume locations may be adjusted by the Engineer during construction. If necessary to provide minimum gutter grade, warp surface of the median pavement within limits of the median curb or curb and gutter.



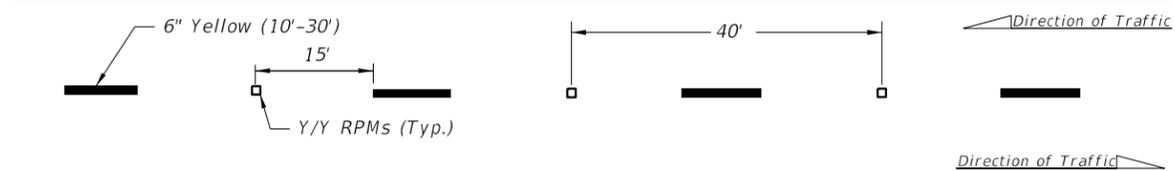
FLUME DETAIL

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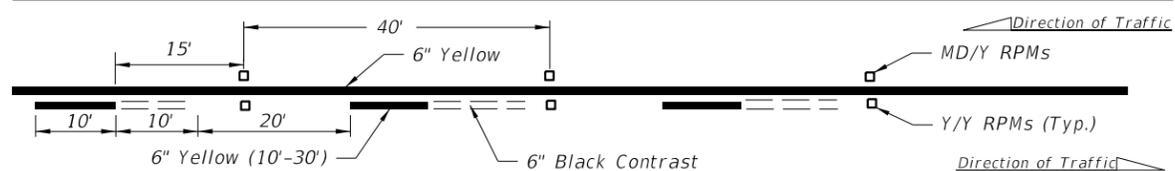
LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2024-25 STANDARD PLANS	MEDIAN OPENING FLUME	INDEX 520-010	SHEET 1 of 1
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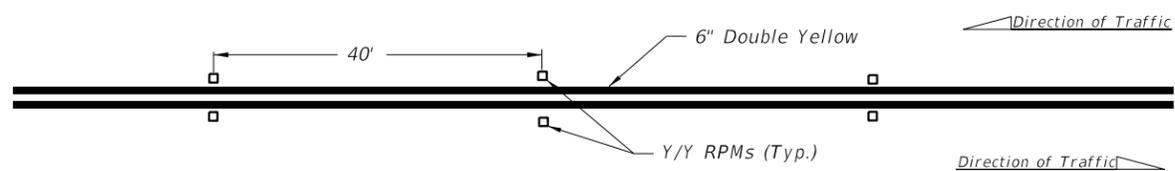
ALTERNATING SKIP LINE



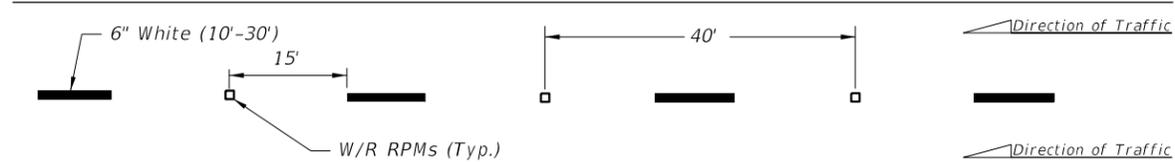
SKIP LINE



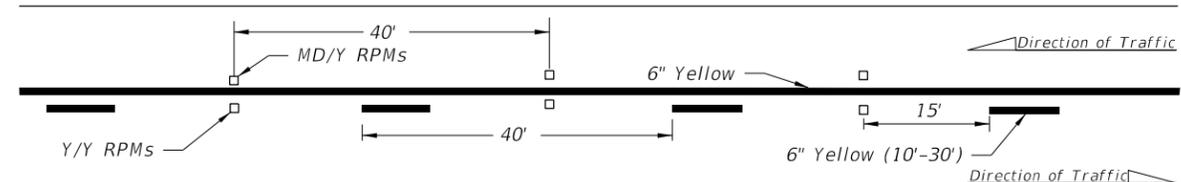
SOLID LINE WITH ALTERNATING SKIP



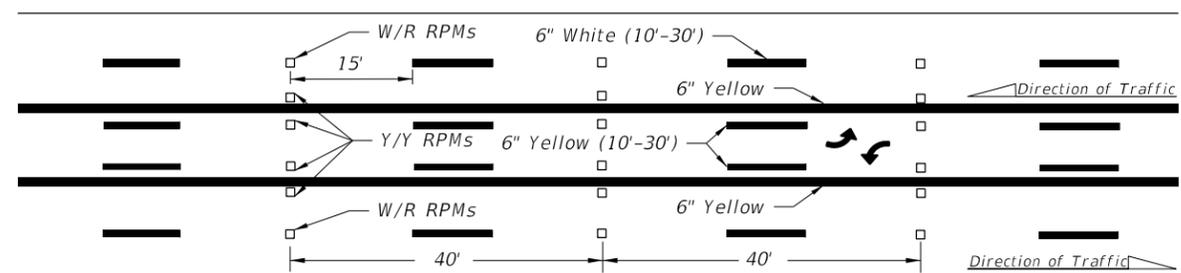
DOUBLE SOLID LINE



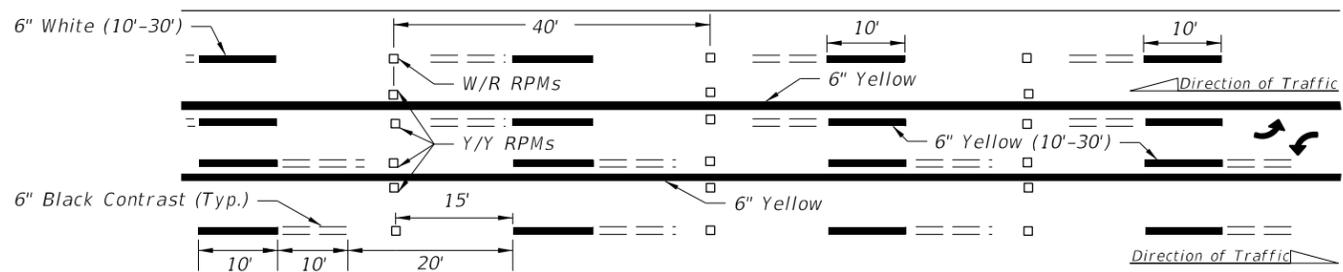
MULTILANE



SOLID LINE WITH SKIP



SKIP LINE WITH TWO-WAY LEFT TURN LANE



ALTERNATING SKIP LINE WITH TWO-WAY LEFT TURN LANE

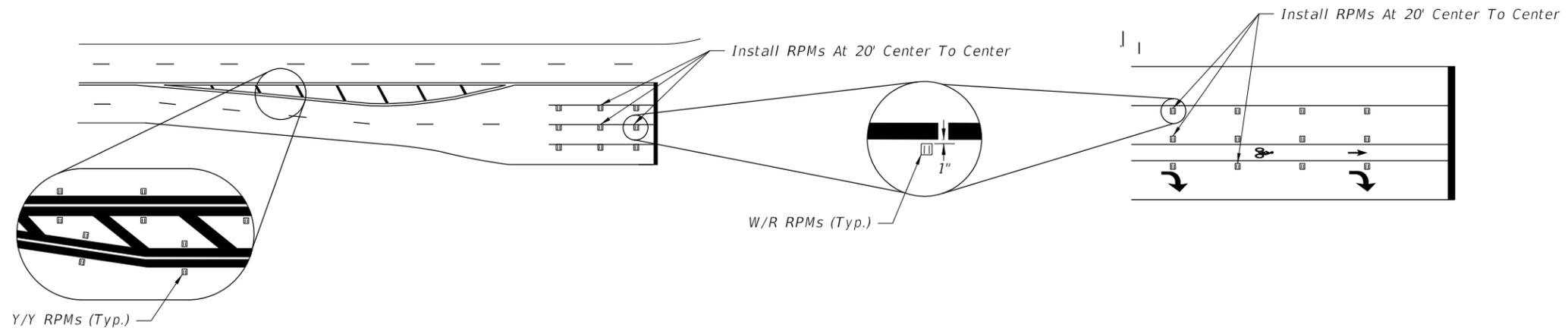
**NOTES:**

1. Offset all RPMs 1" from solid longitudinal lines unless otherwise noted or shown.
2. Spacing may be reduced for sharp curves if required.
3. For placement of RPMs on ramps, see Index 711-003.
4. Make the traffic face of the RPM the same color as the pavement marking that it is supplementing.

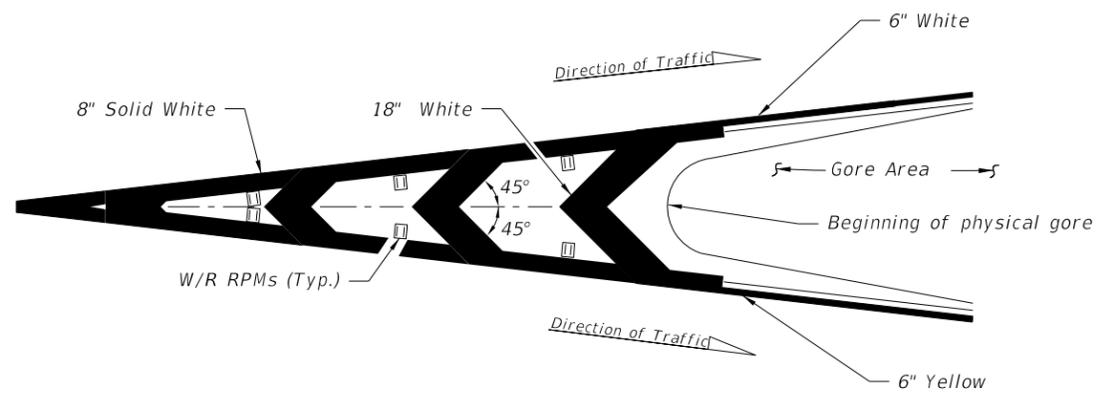
**LEGEND:**

- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM

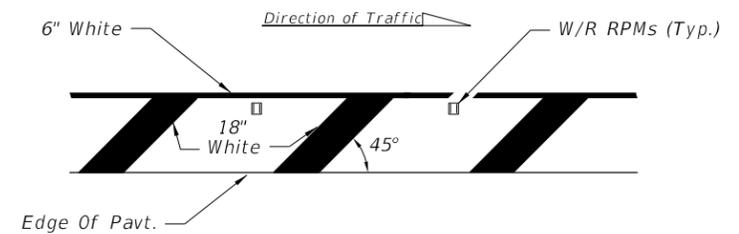
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**RPM PLACEMENT AT INTERSECTIONS**



**RPM PLACEMENT AT TRAFFIC CHANNELIZATION AT GORE  
(Traffic Flows In Same Direction)**



**RPM PLACEMENT AT ROADSIDE CROSSHATCHING**

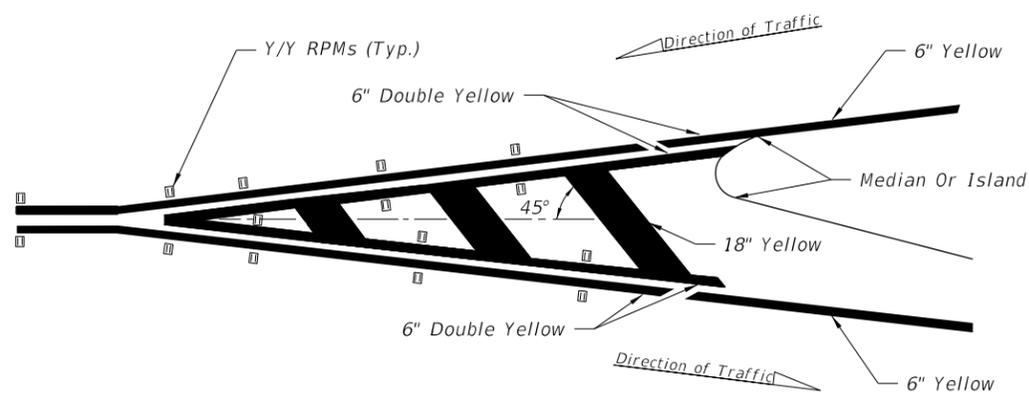
**NOTE:**

Center the Raised Pavement Markers between chevrons and crosshatching.

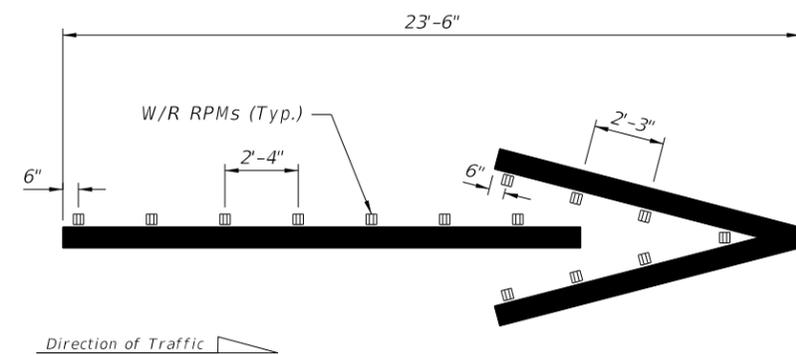
Right side of the roadway shown. For the left side of roadway, the pavement marking is yellow and oriented opposite hand.

**LEGEND:**

- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM



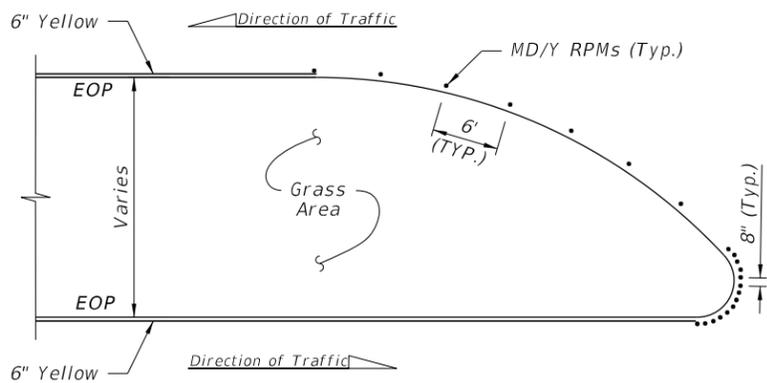
**RPM PLACEMENT AT TRAFFIC SEPARATION  
(Traffic Flows In Opposite Direction)**



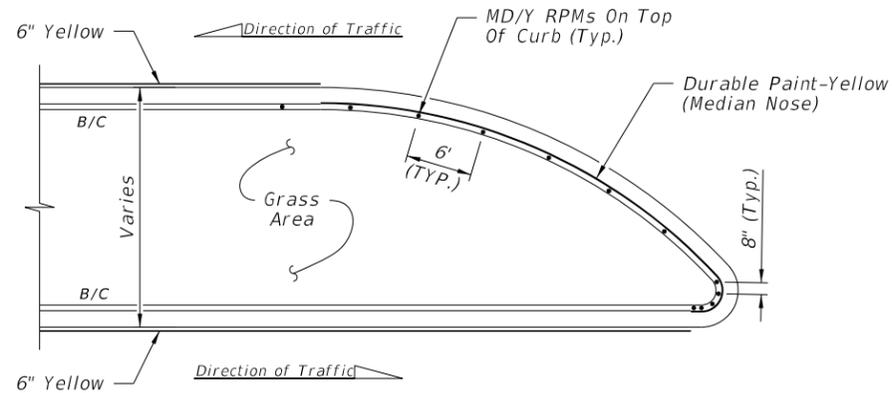
**WRONG-WAY ARROW**

6/8/2023 7:25:06 AM

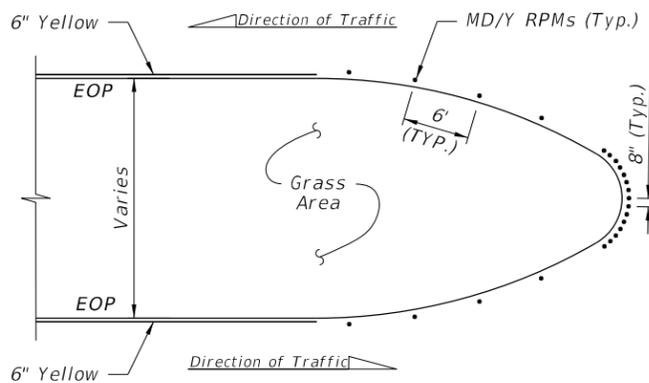
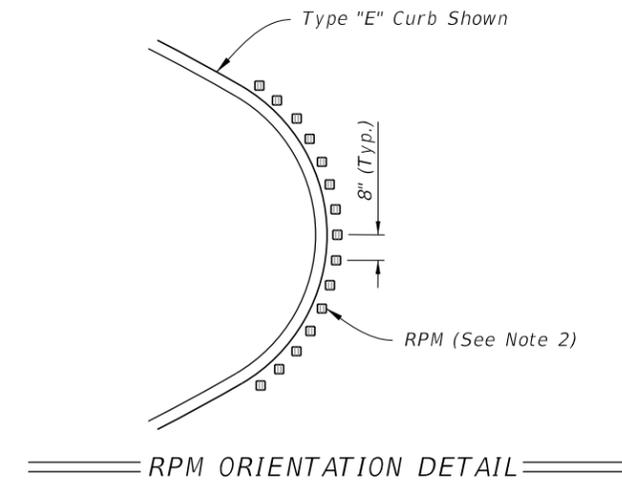
LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 2 of 6
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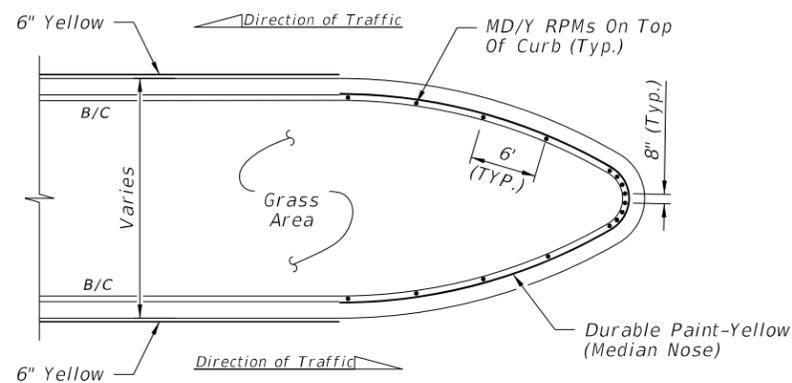
DETAIL "A"



DETAIL "D"



DETAIL "B"



DETAIL "E"

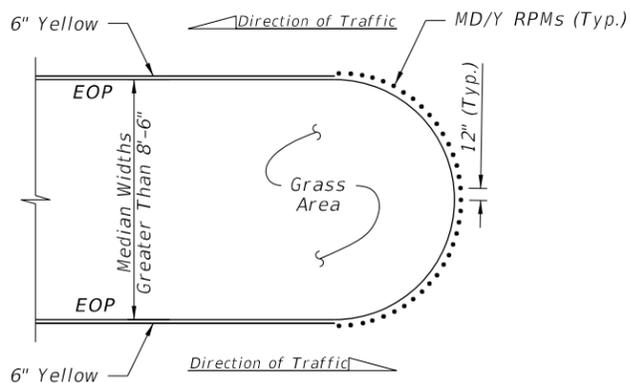
POSTED SPEED LIMIT MPH	"Y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

**LEGEND:**

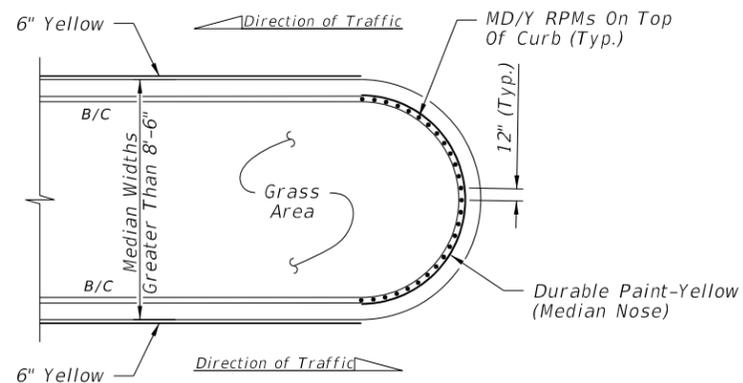
- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM

**NOTES:**

1. For Type "E" Curb, install RPMs along the pavement edge marking using the same spacing shown.
2. Orient traffic faces of RPMs in curb median radii to be parallel to direction of travel lanes.
3. Use epoxy adhesive to install RPMs on concrete median nose curbs.
4. Install RPMs on clean, unpainted surface. Do not paint curb surface where RPMs will be placed.



DETAIL "C"



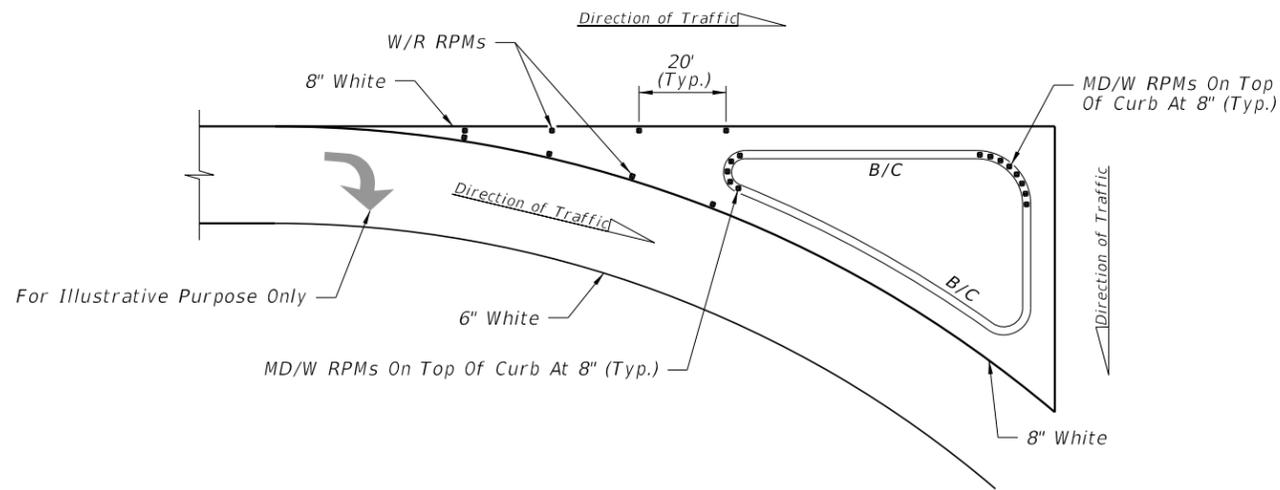
DETAIL "F"

FLUSH MEDIAN OPENINGS  
(Type "E" Curb Similar. See Note 1)

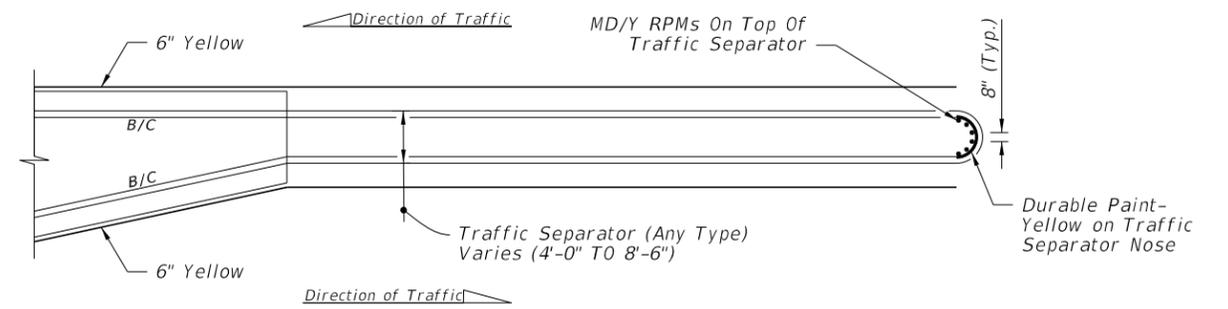
TYPE "D" OR "F" CURB

**RPM PLACEMENT AT MEDIAN OPENINGS**  
(When called for in the Plans)

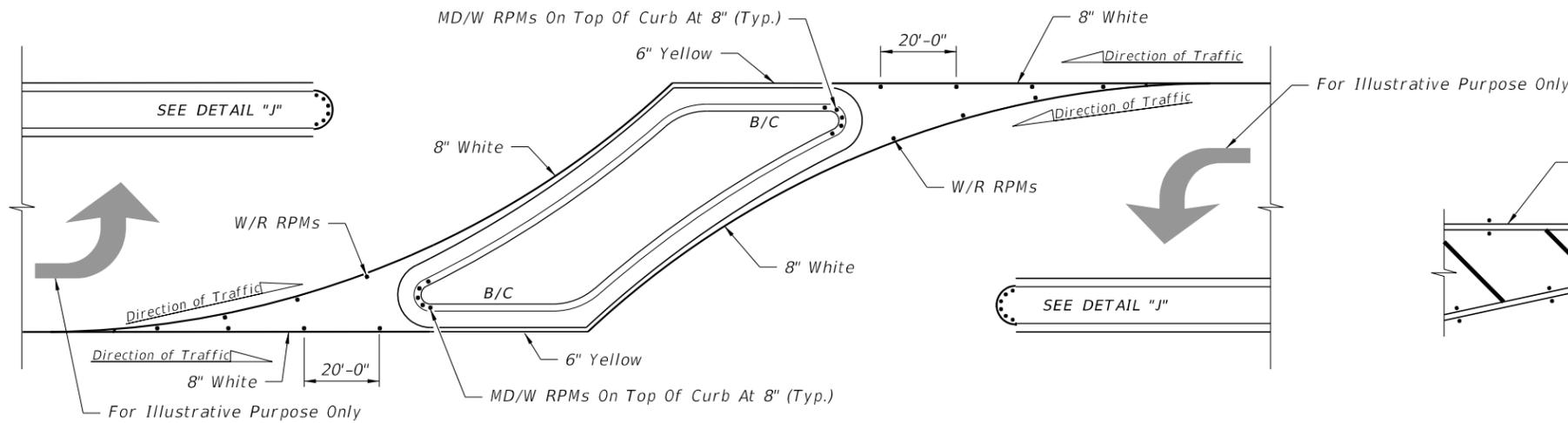
10/6/2022 2:40:51 PM



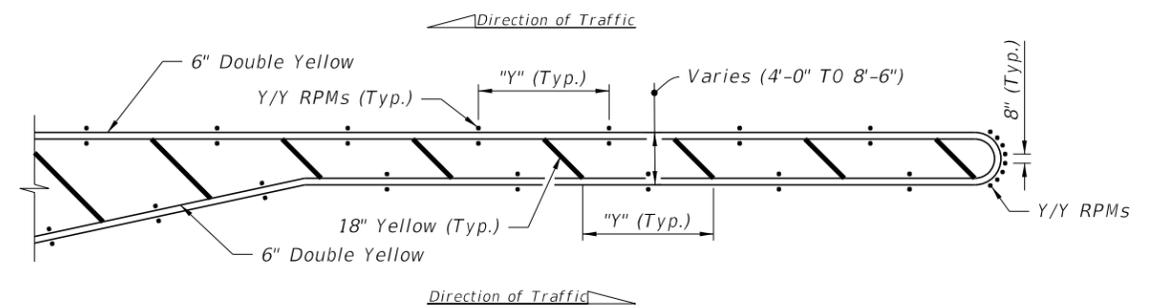
DETAIL "G"



DETAIL "J"



DETAIL "H"



DETAIL "K"

**RPM PLACEMENT AT ISLANDS**  
(When called for in the Plans)

POSTED SPEED LIMIT MPH	"y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

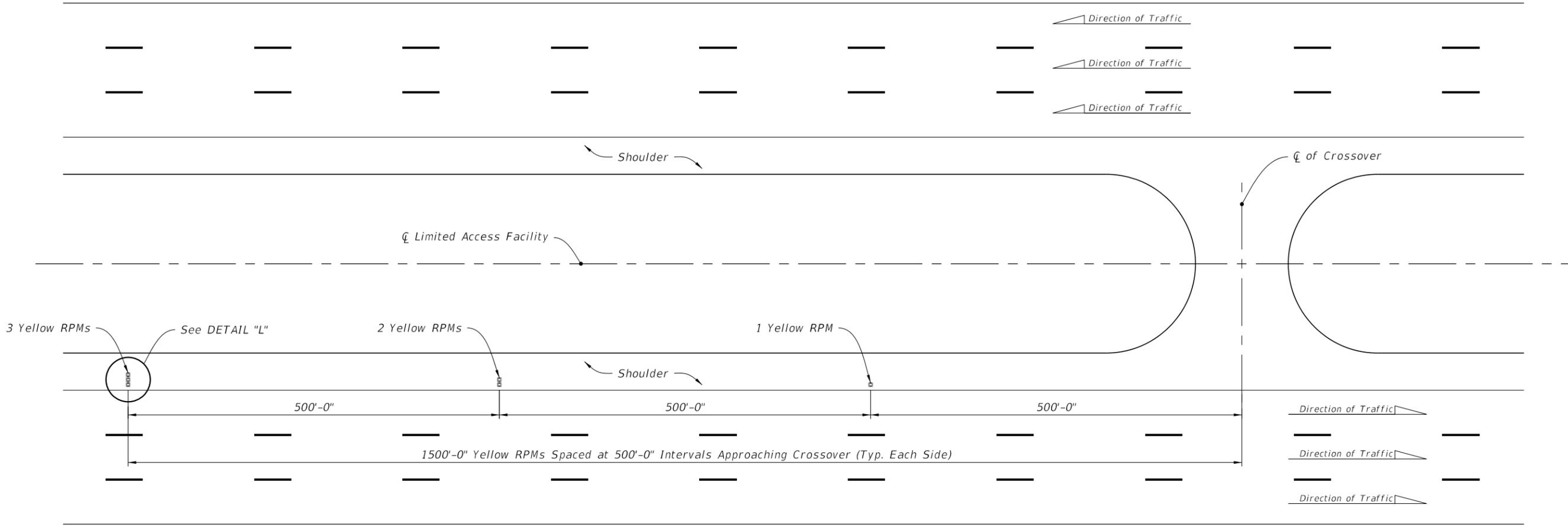
**NOTES:**

- For Type "E" Curb install RPMs along the pavement edge marking using the same spacing shown.
- Orient traffic faces of RPMs in median radii to be parallel to direction of travel lanes.

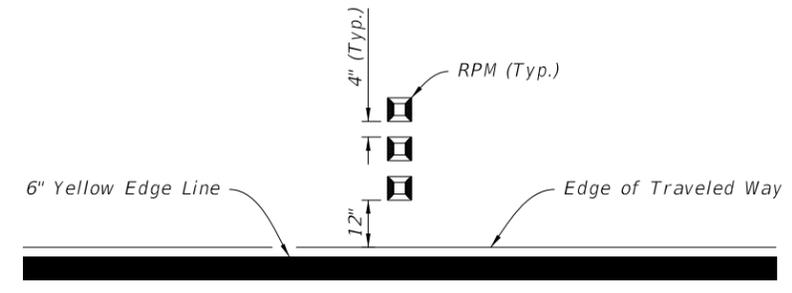
**LEGEND:**

- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM
- MD/W = MONO-DIRECTIONAL WHITE RPM

10/6/2022 2:40:51 PM



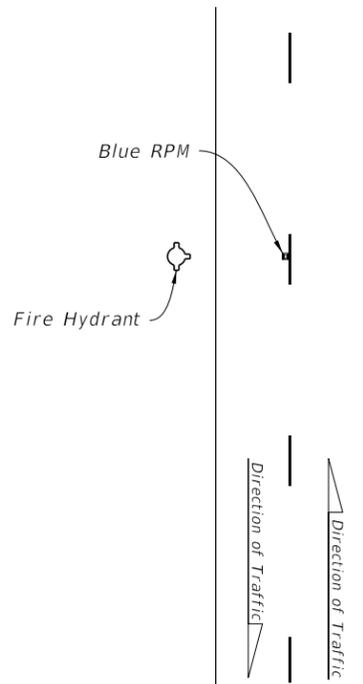
RPM PLACEMENT FOR CROSSOVERS ON LIMITED ACCESS ROADWAYS



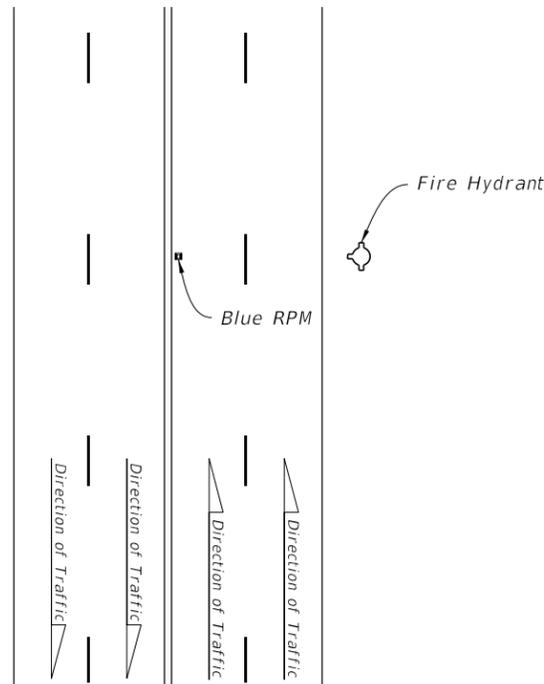
DETAIL "L"

10/6/2022 2:40:52 PM

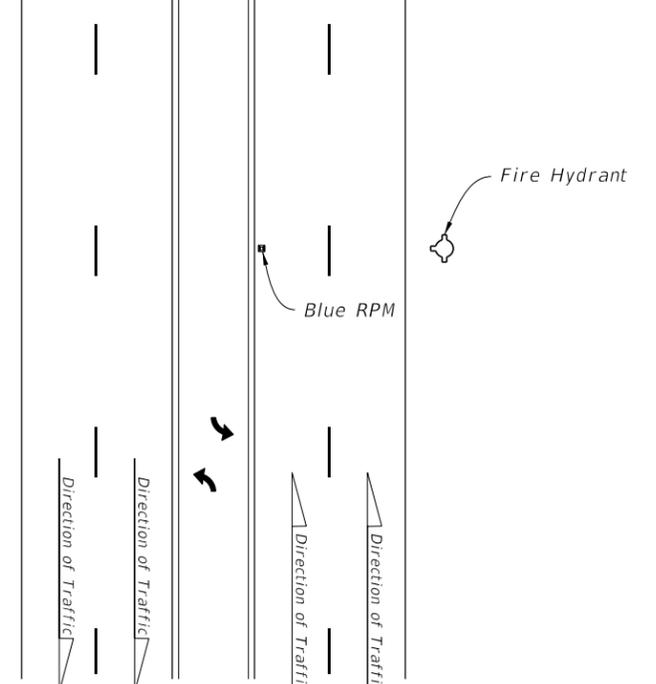
LAST REVISION 11/01/18	REVISION DESCRIPTION:	 FY 2023-24 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 5 of 6
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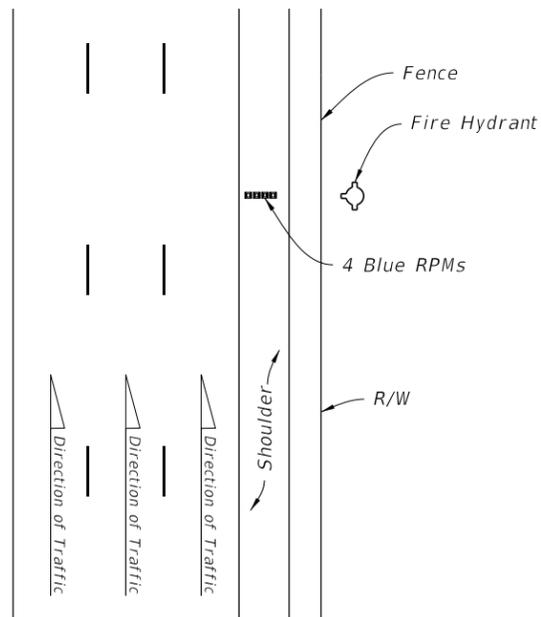
TWO-LANE ROADWAY



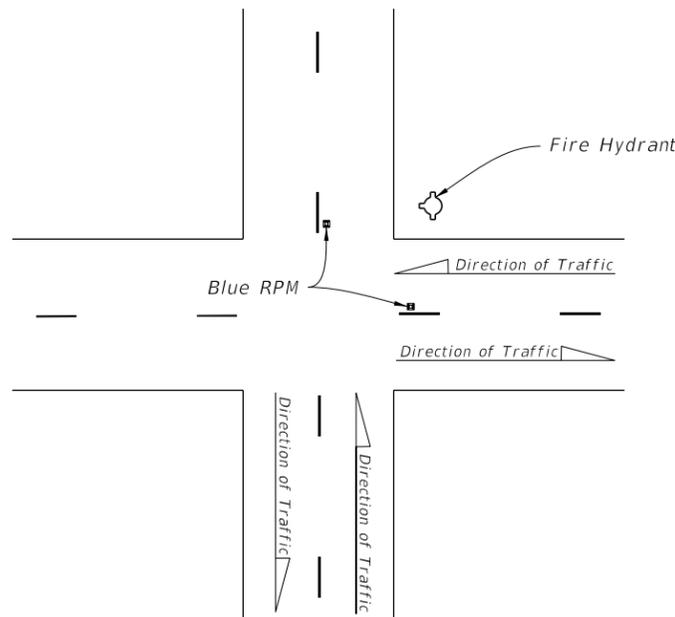
MULTILANE ROADWAY



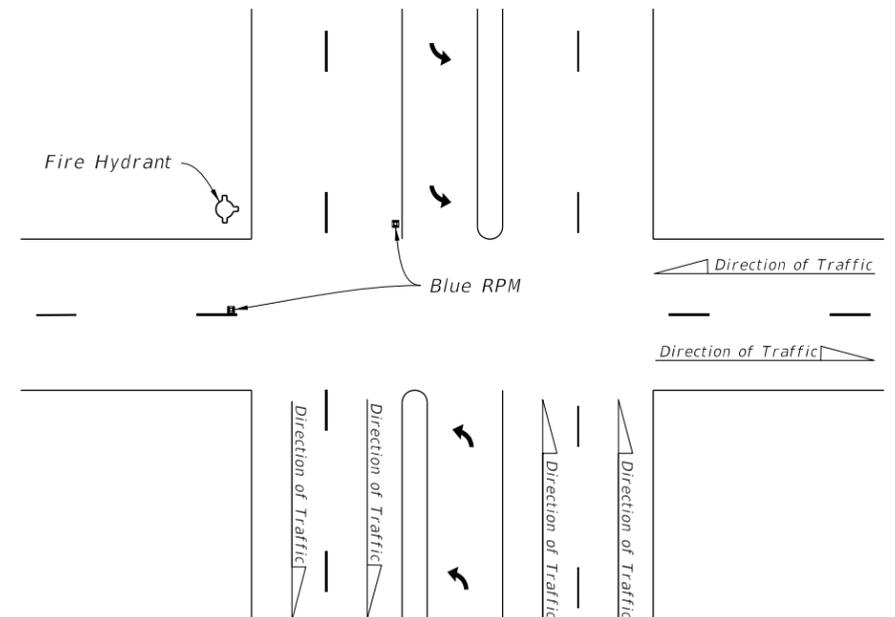
MULTILANE ROADWAY WITH TURN LANE



LIMITED ACCESS ROADWAY



TWO-LANE ROADWAY AT INTERSECTION

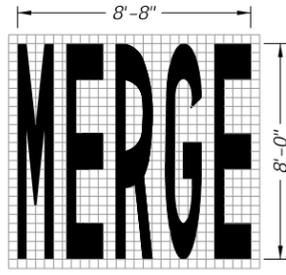


MULTILANE ROADWAY AT INTERSECTION

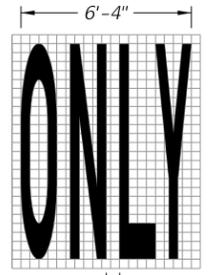
BLUE RPM PLACEMENT

10/6/2022 2:40:52 PM

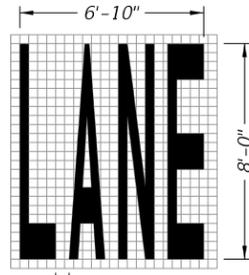
LAST REVISION 11/01/18	REVISION DESCRIPTION:	 FY 2023-24 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 6 of 6
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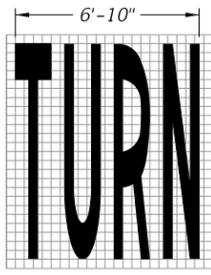
34 S.F.



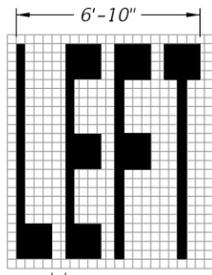
22 S.F.



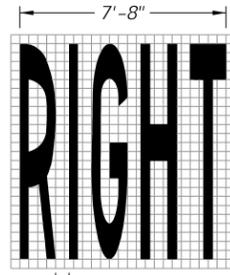
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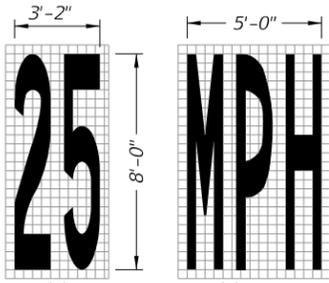
24 S.F.



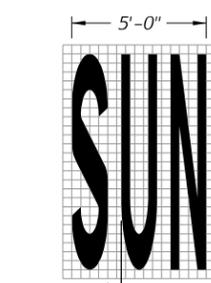
20 S.F.



26 S.F.



13 S.F.



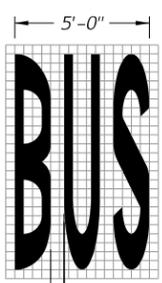
20 S.F.



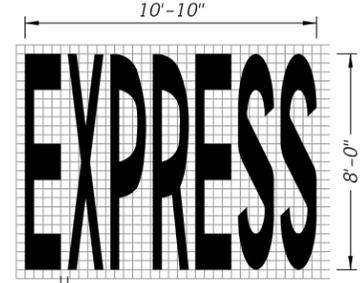
23 S.F.



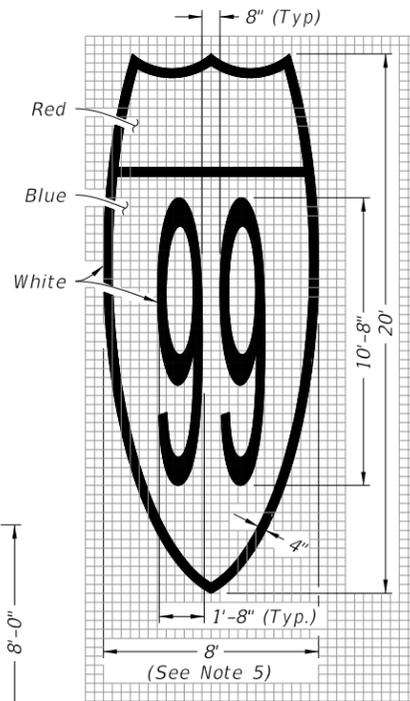
22 S.F.



20 S.F.

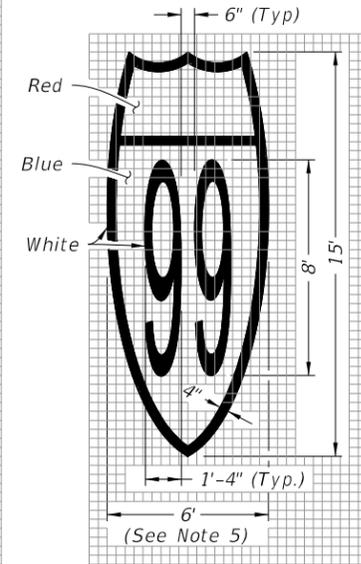


43 S.F.



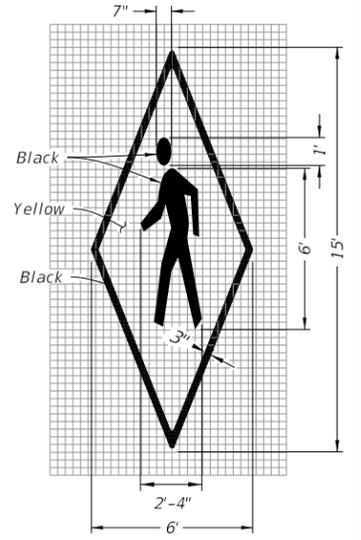
Route Shield for Limited Access Roadways (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

128 S.F.



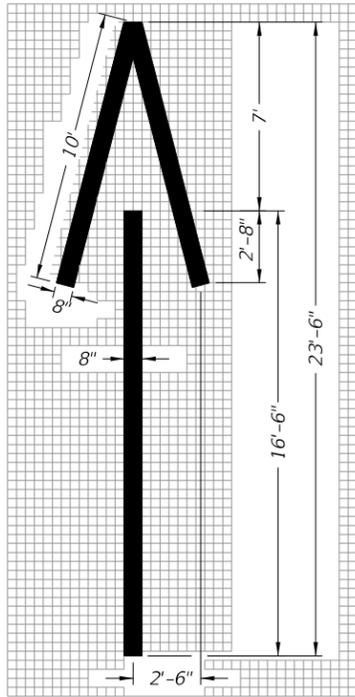
Route Shield for Arterials and Collectors (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

72 S.F.



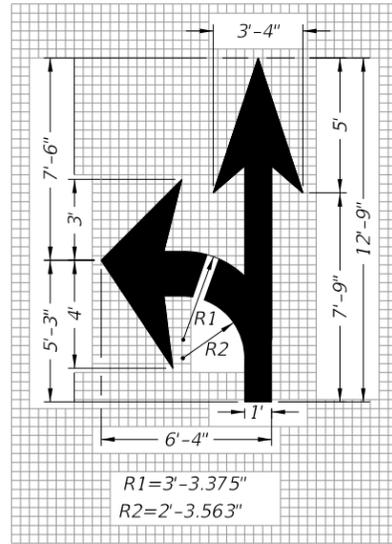
In Pavement Warning Marking

45 S.F.



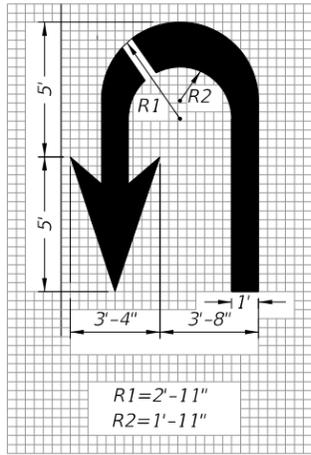
Wrong-Way Arrow

24 S.F.



Turn and Through Lane-Use Arrow

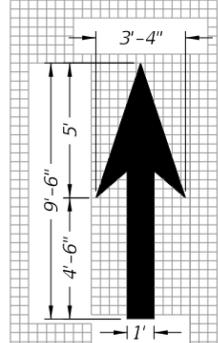
29 S.F.



R1=2'-11"  
R2=1'-11"

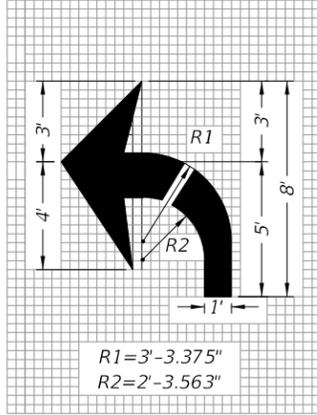
U Turn Lane-Use Arrow

27 S.F.



Through Lane-Use Arrow

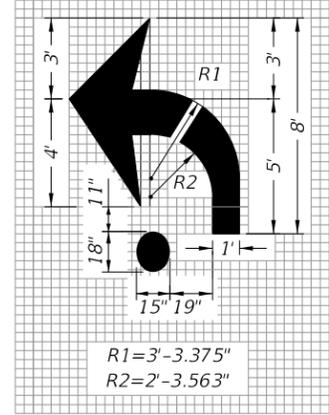
12 S.F.



R1=3'-3.375"  
R2=2'-3.563"

Turn Lane-Use Arrow (Left Turn Shown - Right Turn Similar)

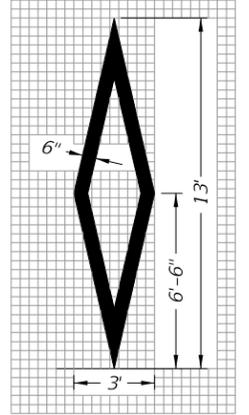
17 S.F.



R1=3'-3.375"  
R2=2'-3.563"

Roundabout Approach Arrow

19 S.F.



Preferential Lane Symbol

11 S.F.

PAVEMENT MESSAGES NOTES:

1. Place all pavement messages 25' back from the stop line.
2. Dimensions are within 1" ±.
3. All grids are 4" x 4".
4. All pavement messages must be white except Route Shields and In Pavement Warning Markings.
5. Increase width of route shield for routes with three digits.

PAVEMENT MESSAGE AND ARROW DETAILS

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LAST REVISION 11/01/21	DESCRIPTION:
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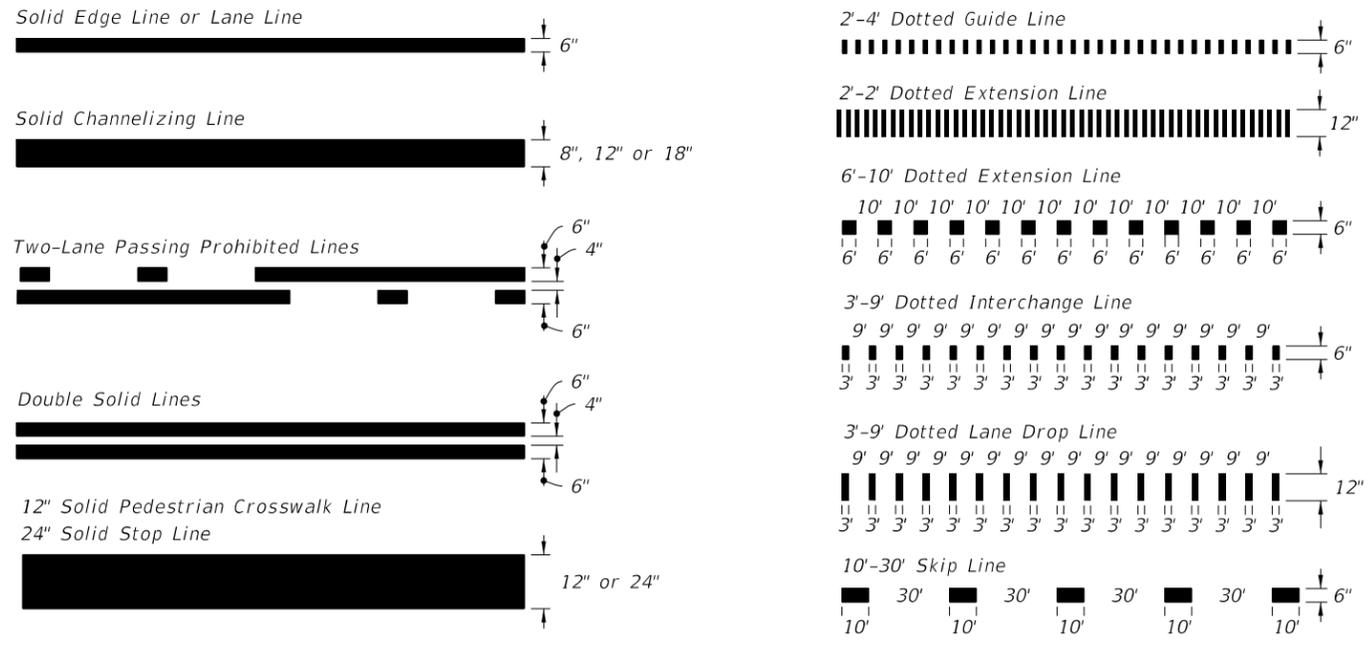


FY 2023-24  
STANDARD PLANS

PAVEMENT MARKINGS

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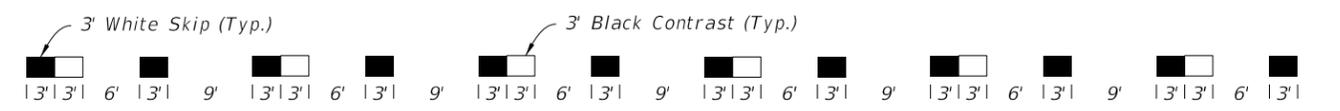
SHEET  
1 of 13



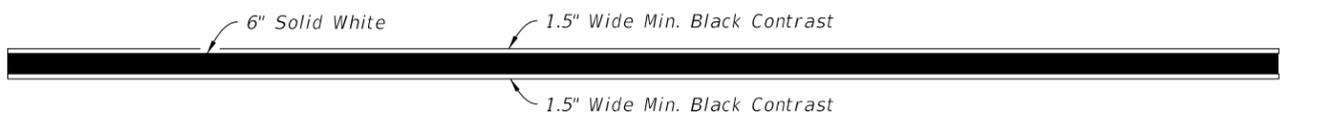
PAVEMENT MARKING LINES



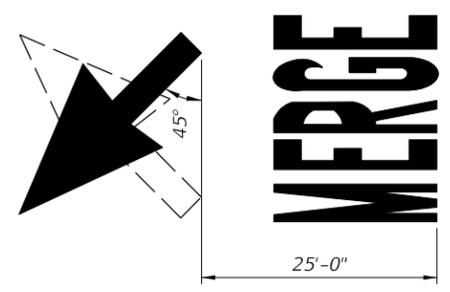
10'-30' SKIP LINE WITH CONTRAST MARKINGS



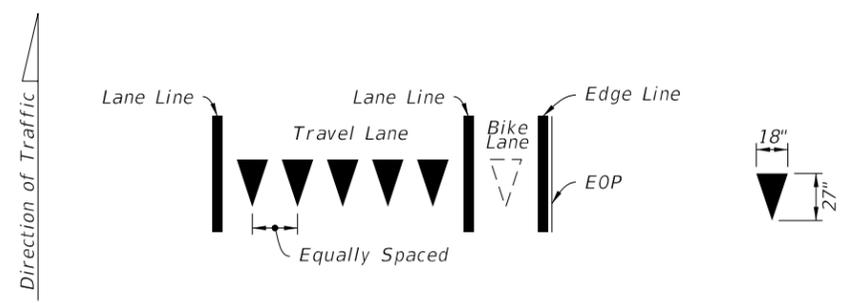
DOTTED LINE WITH ALTERNATING CONTRAST MARKINGS  
(3'-9' Dotted Line Shown, Other Dotted Lines Similar)



LONGITUDINAL SOLID LANE LINE WITH CONTRAST MARKINGS  
(Not For Use On Edge Lines)



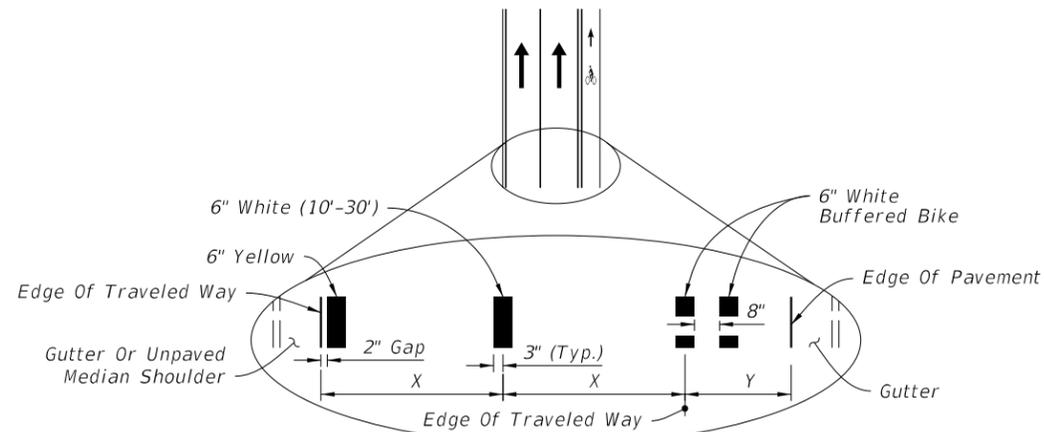
MARKINGS FOR MERGE



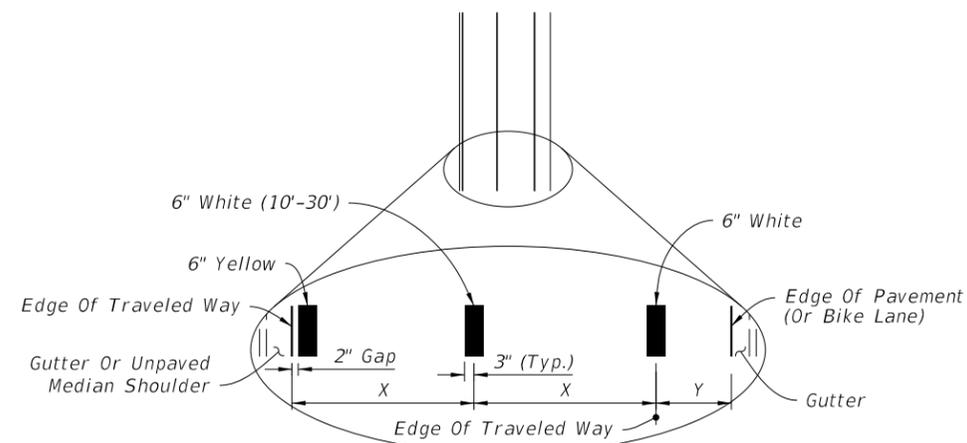
Yield Lines consist of five - 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

YIELD LINES

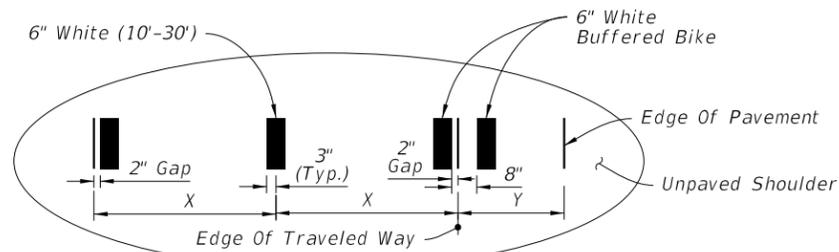
10/7/2022 2:50:13 PM



**CURB AND GUTTER**

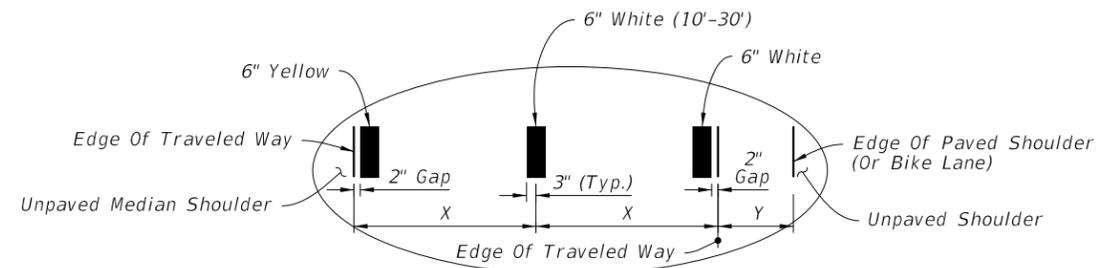


**CURB AND GUTTER**



**FLUSH SHOULDER**

X = LANE WIDTH (FT.)  
Y = BUFFERED BIKE LANE WIDTH (FT.)

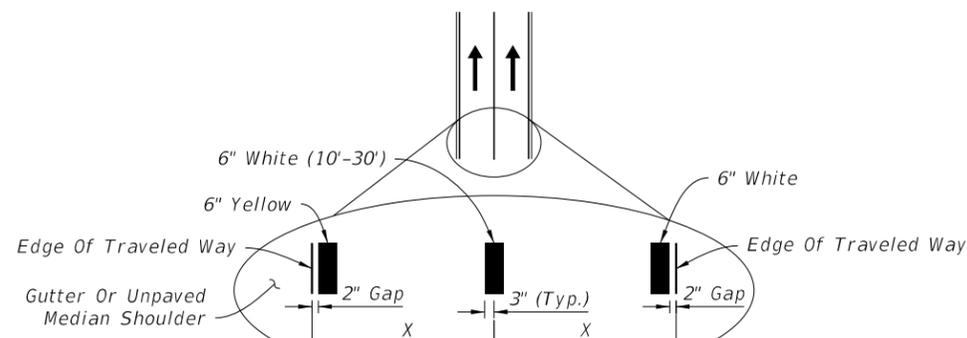


**FLUSH SHOULDER**

X = LANE WIDTH (FT.)  
Y = PAVED SHOULDER / BIKE LANE

==== STRIPING FOR BUFFERED BIKE LANE =====

==== STRIPING WITH SHOULDER OR NON-BUFFERED BIKE LANE =====



X = LANE WIDTH (FT.)

==== STRIPING WITH NO SHOULDER OR BIKE LANE =====

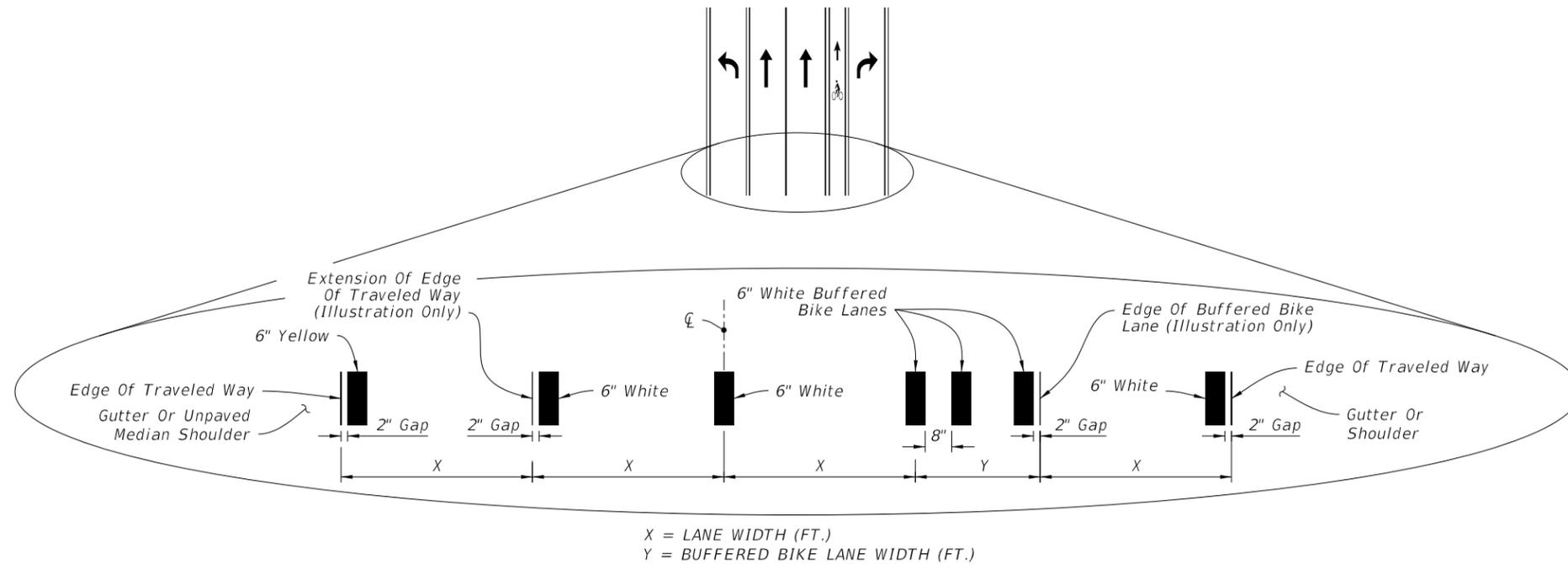
**NOTES:**

1. Lane widths (X) may not be same for each lane in the section.
2. For placement of RPMs, see Index 706-001.

**PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS**

10/7/2022 2:50:15 PM

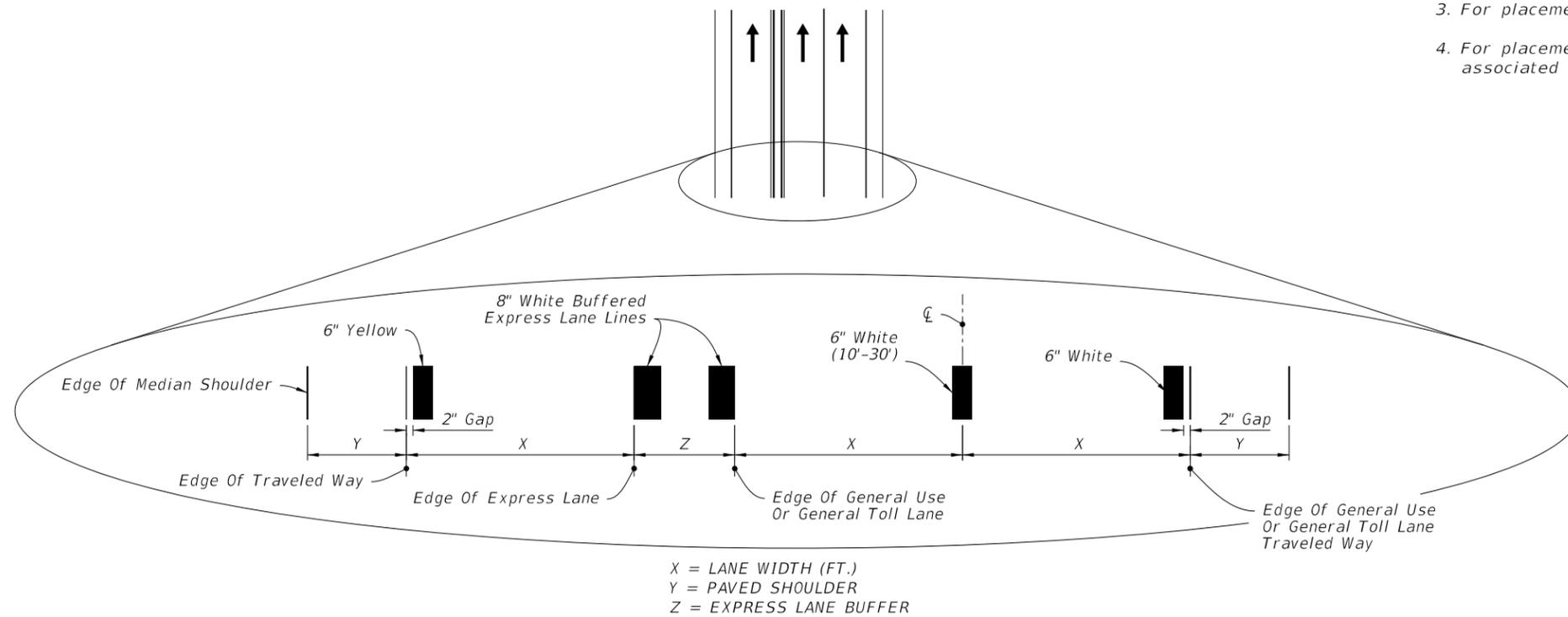
LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 3 of 13
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**INTERSECTION APPROACH STRIPING WITH TURN LANES AND BUFFERED BIKE LANE KEY HOLE**

**NOTES:**

1. Lane widths (X) may not be same for each lane in the section.
3. For placement of RPMs, see Index 706-001.
4. For placement of Express Lane markers and associated RPMs, see the Plans.

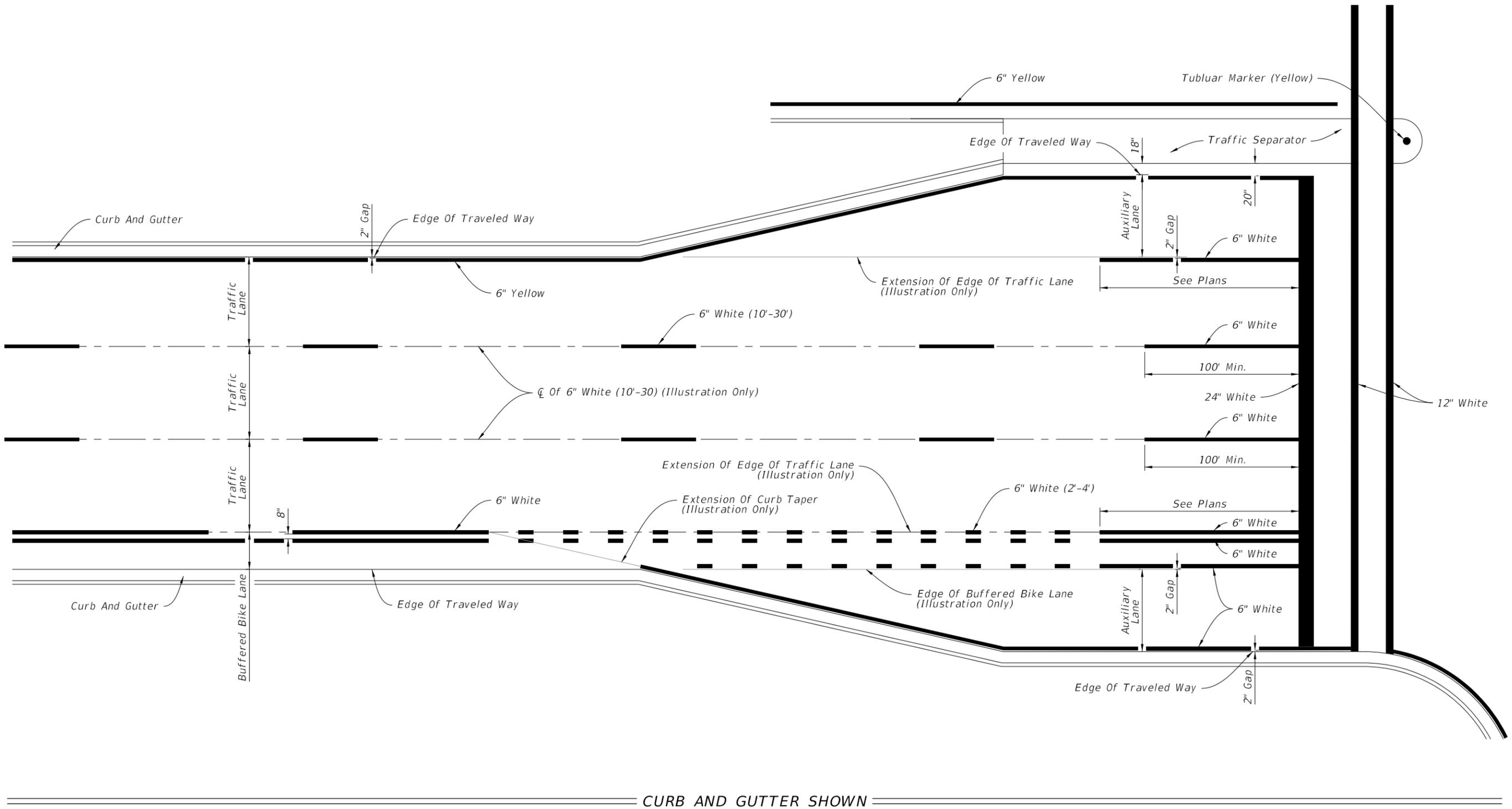


**BUFFERED EXPRESS LANE STRIPING**

**PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS**

10/7/2022 2:50:17 PM

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 4 of 13
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PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

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LAST REVISION 11/01/21	DESCRIPTION:
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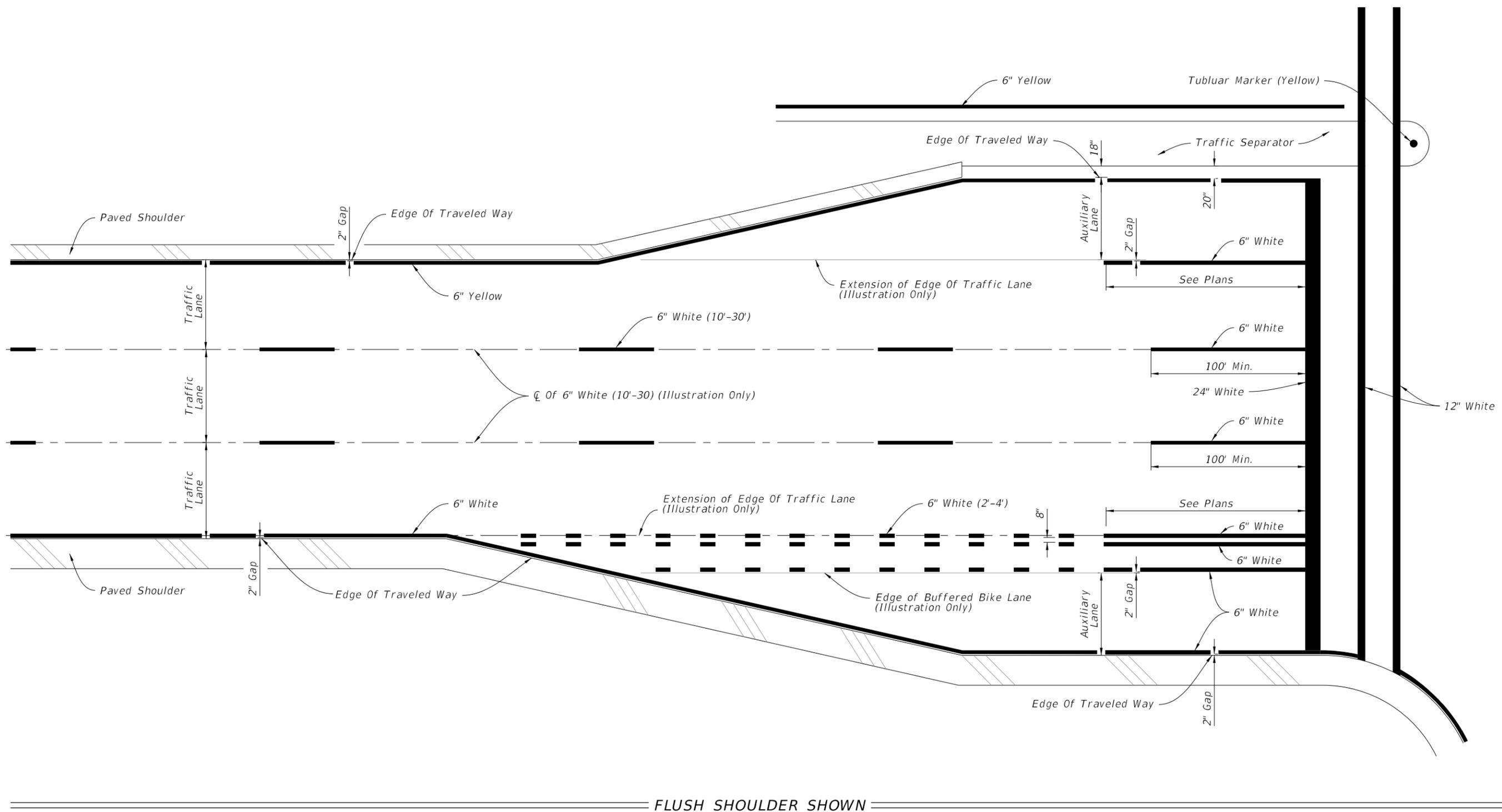
FY 2023-24  
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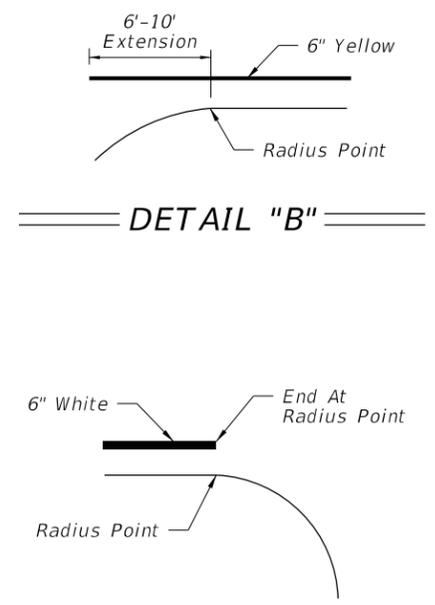
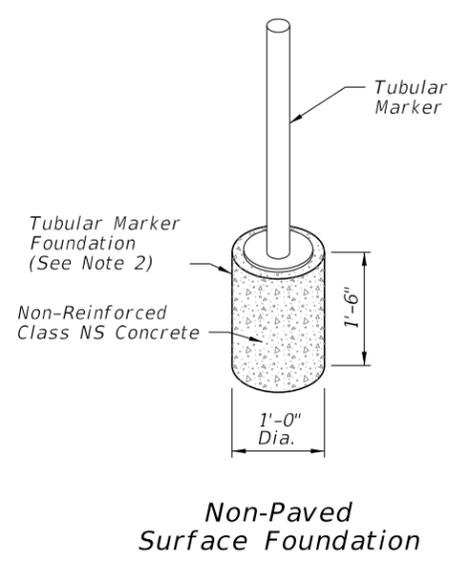
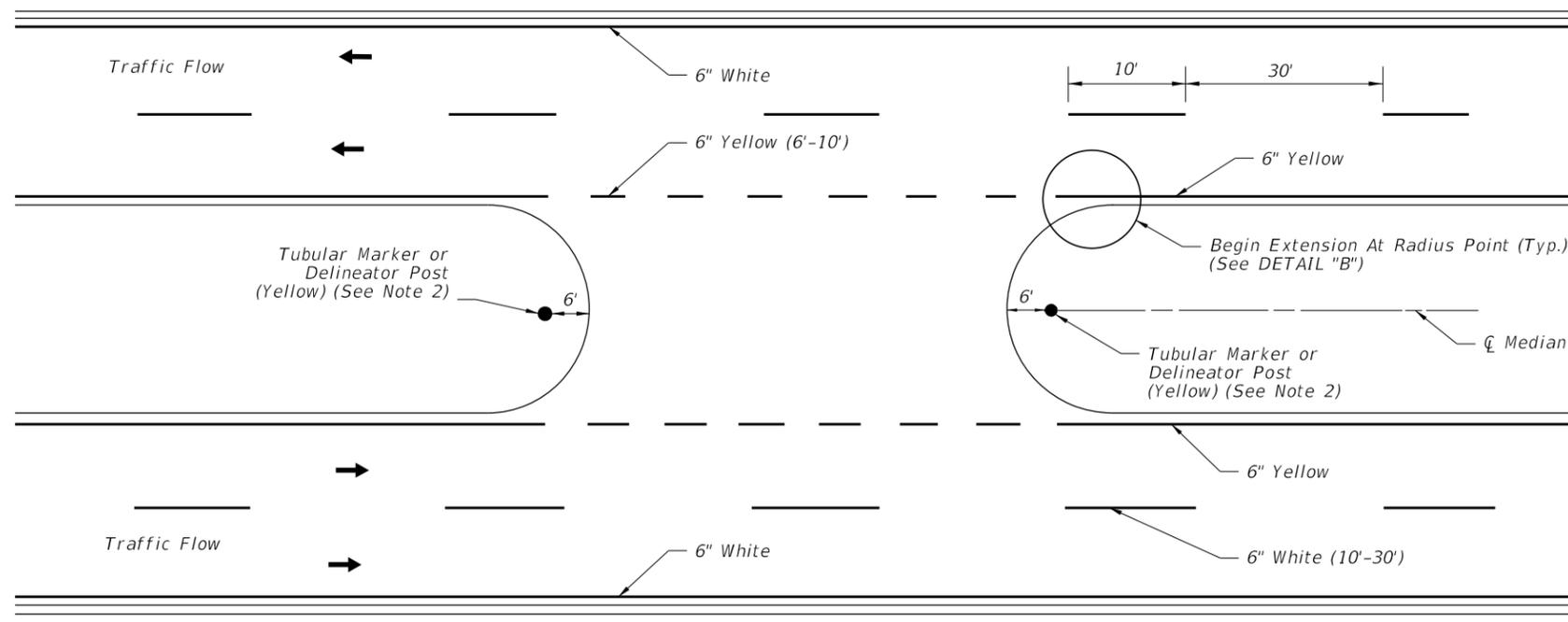
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FLUSH SHOULDER SHOWN

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

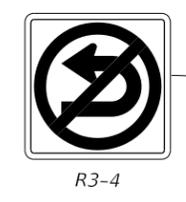
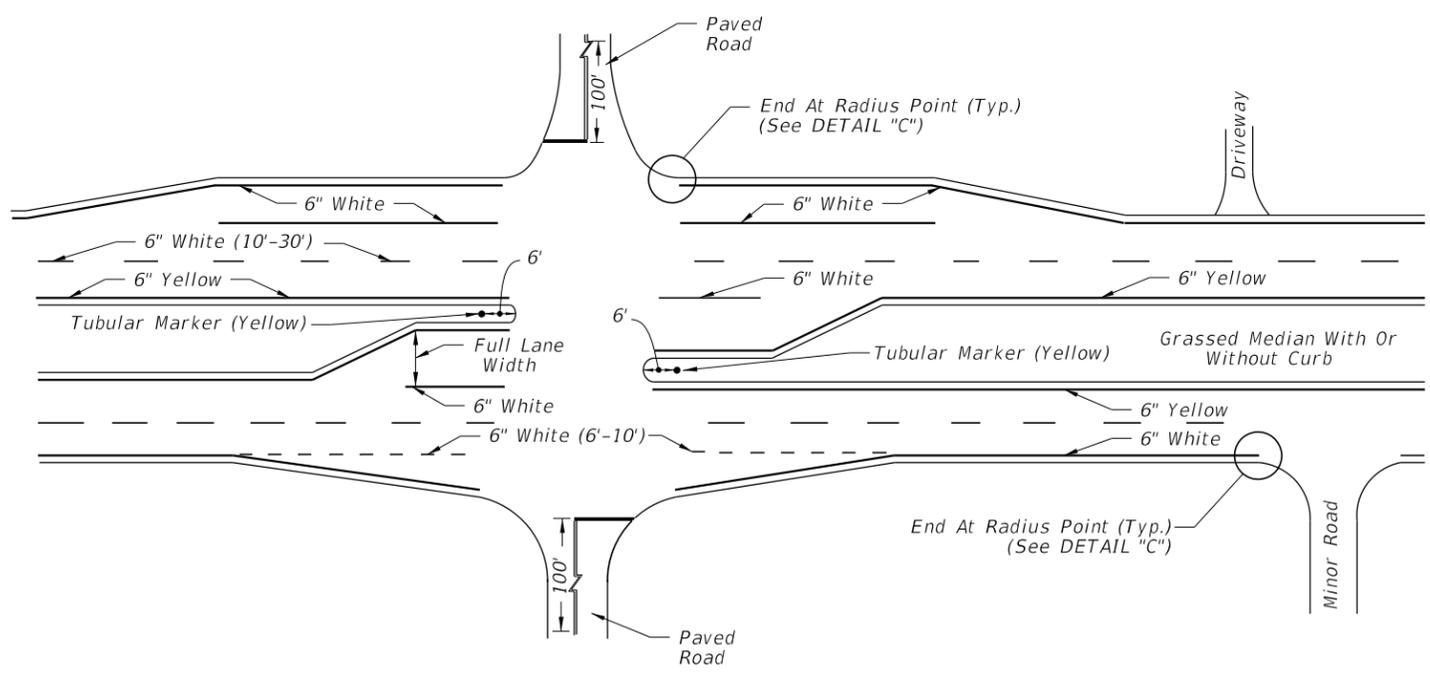
LAST REVISION 11/01/21	REVISION DESCRIPTION:	 FY 2023-24 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 6 of 13
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PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSSOVER

DETAIL "A"

DETAIL "C"



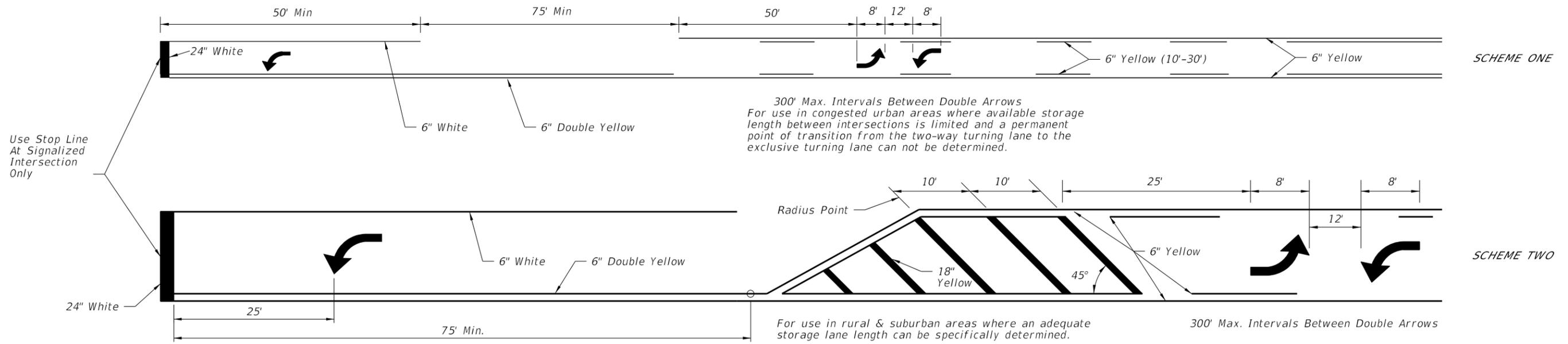
NOTES:

1. Apply yellow reflective paint to the noses of curbed medians, traffic separators, and raised islands. When applying yellow reflective paint in conjunction with Raised Pavement Markers, see Index 706-001.
2. Options for grassed medians:
  - A. Option 1: Tubular Marker (Yellow). Attach Tubular Marker according to manufacturer's instructions. Non-Paved Surface Foundation (See Detail "A") is provided as an option if no other suitable surface is provided. Install Non-Paved Surface Foundation flush with the surrounding ground surface.
  - B. Option 2: Delineator Post. Use yellow retro-reflective sheeting on both sides of the delineator. Install the post so that the top is 4'-0" above the grade at the edge of the pavement.
3. Extend double yellow centerlines 100' back from intersection on all approaches or 50' for unmarked cross roads.

PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS

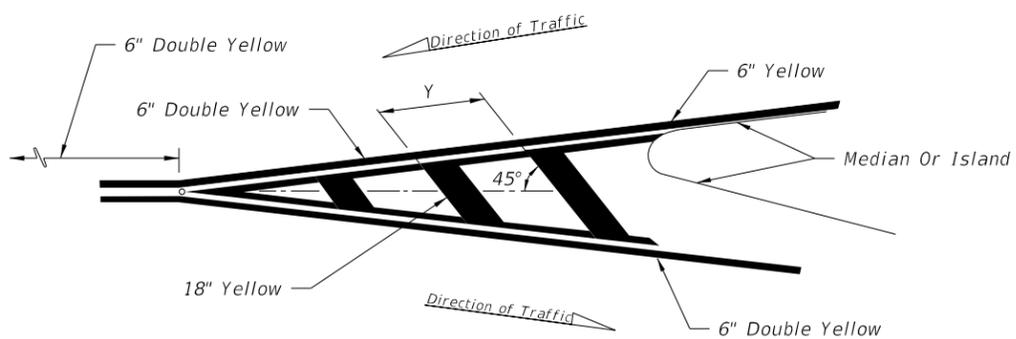
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LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 7 of 13
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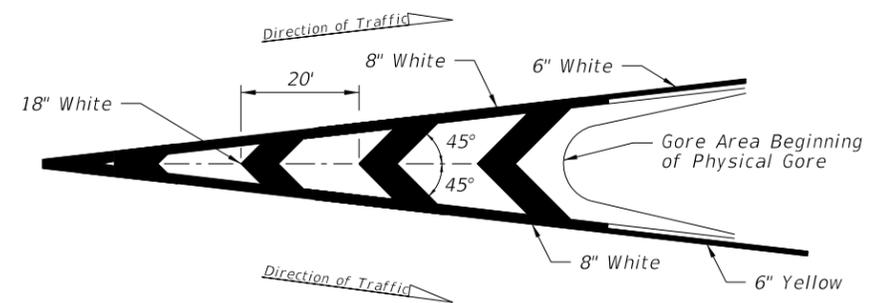


**TWO WAY LEFT TURN LANE**  
(With Single Lane Left Turn Channelization)

POSTED SPEED LIMIT MPH	"y" (FT.)
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

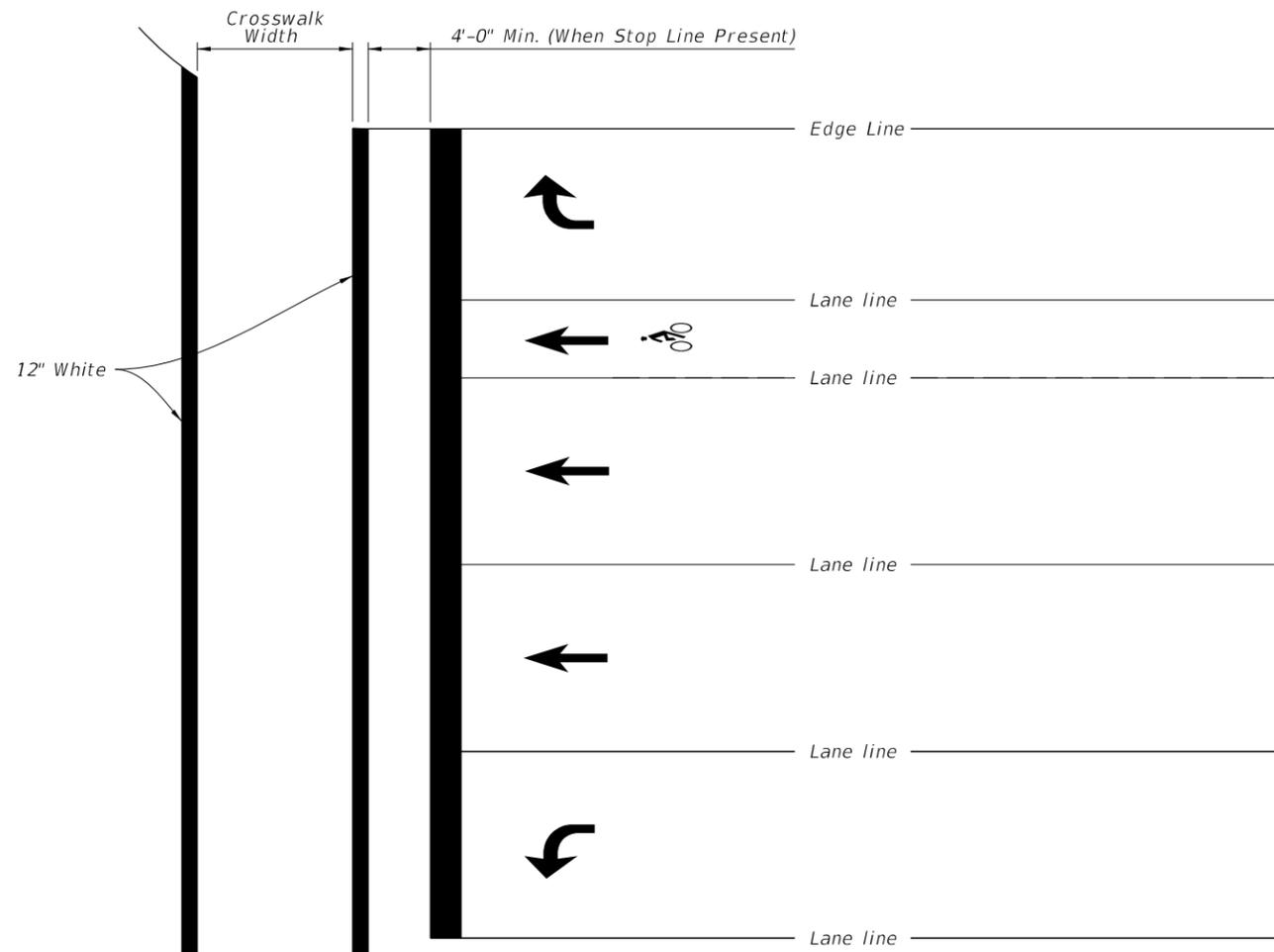


**MARKINGS FOR TRAFFIC SEPARATION**

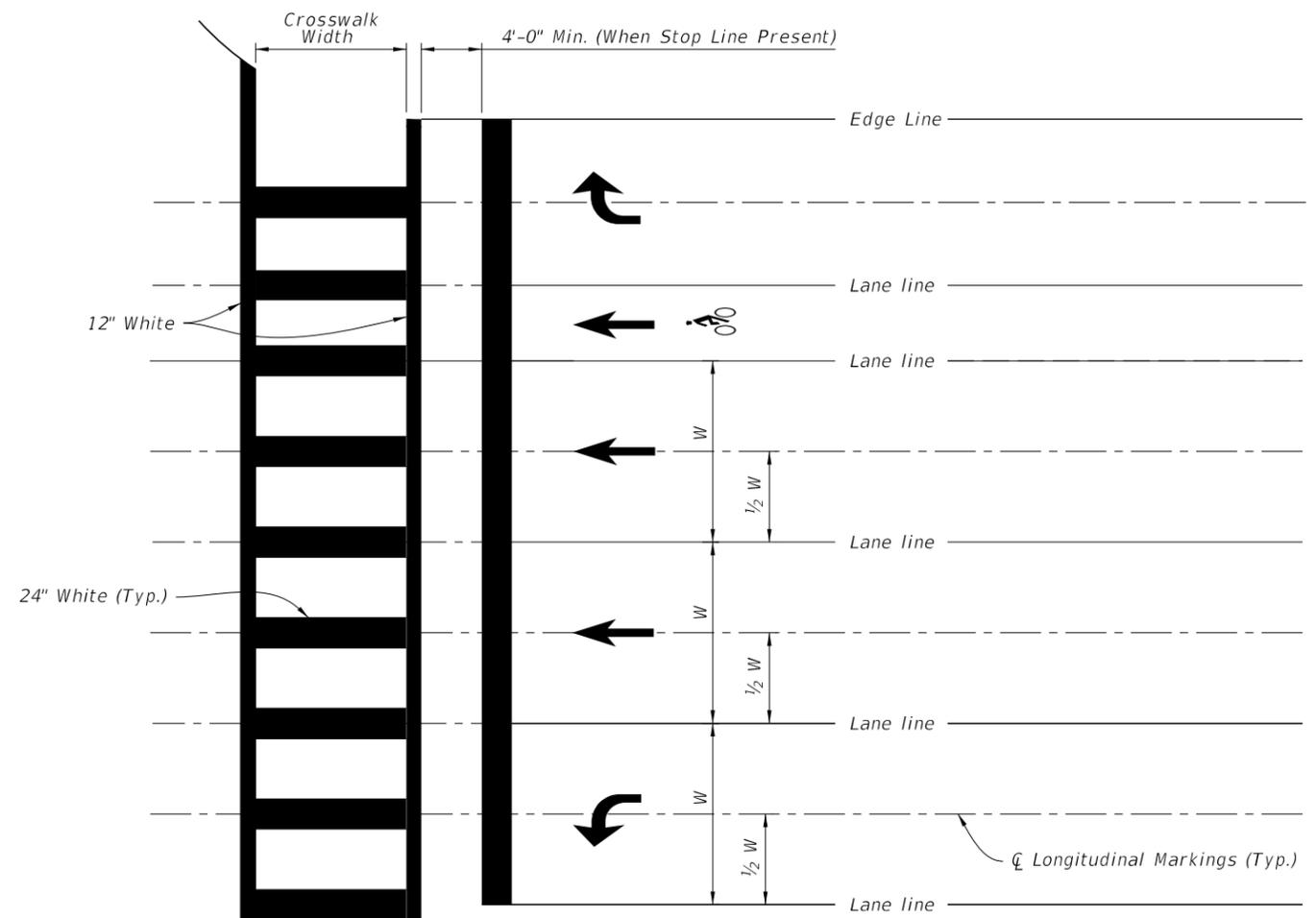


**TRAFFIC CHANNELIZATION AT GORE**

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STANDARD CROSSWALK DETAILS

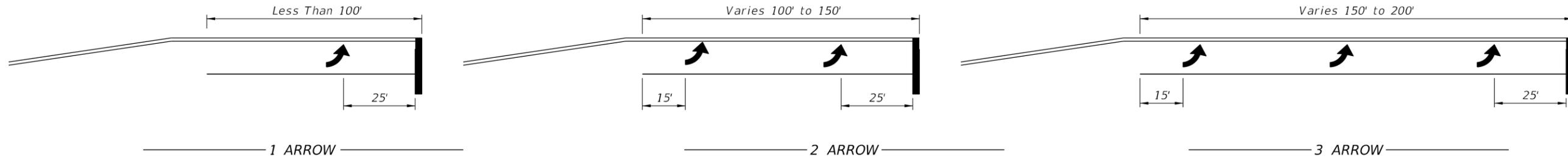


SPECIAL EMPHASIS CROSSWALK DETAILS

**NOTES:**

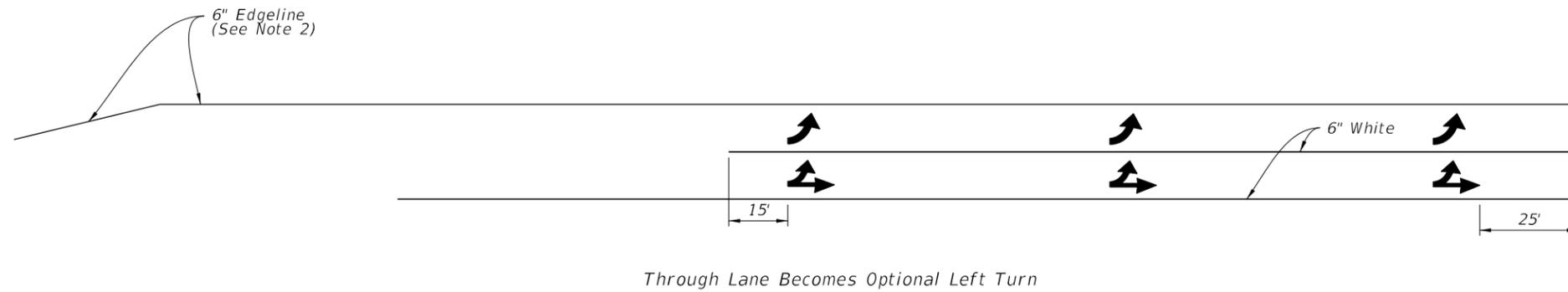
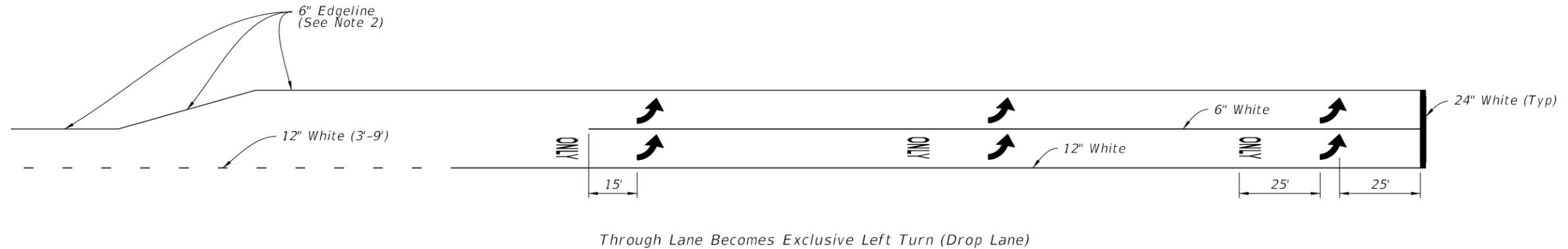
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

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Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

ARROW SPACING



URNS LANE MARKINGS

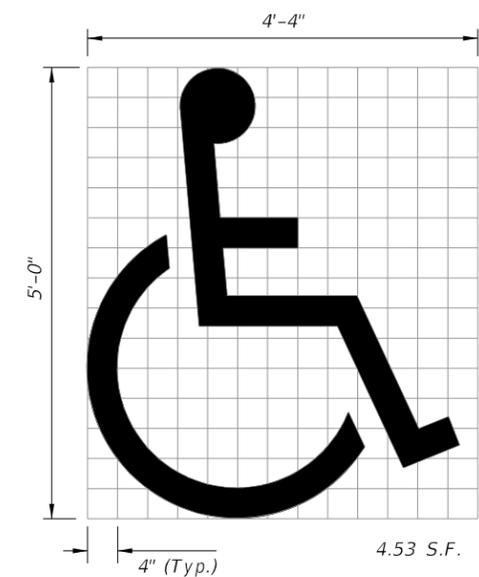
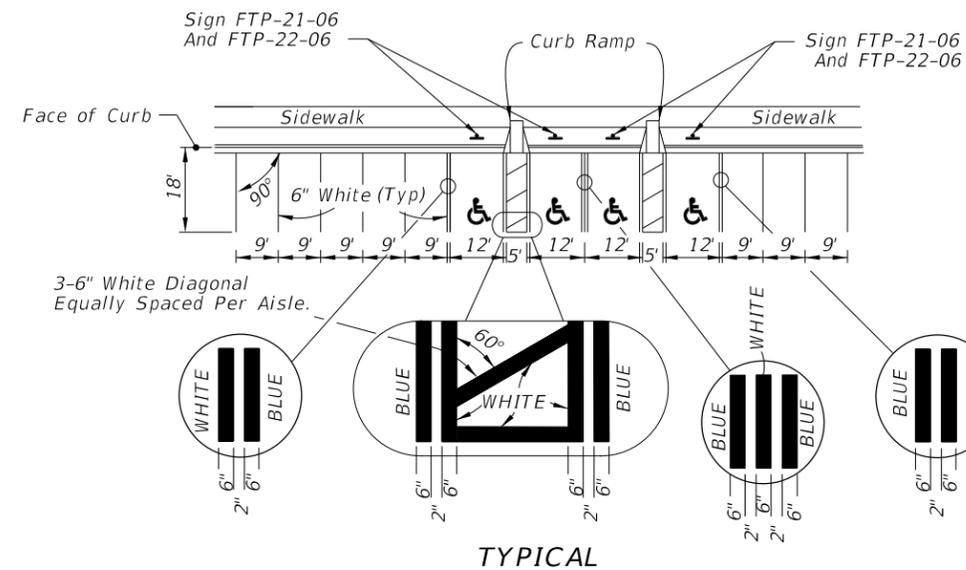
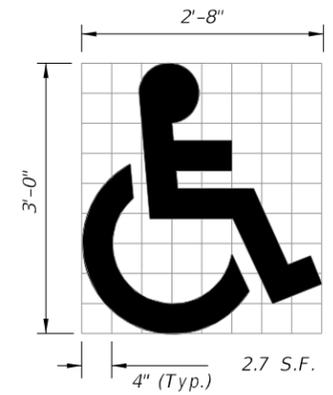
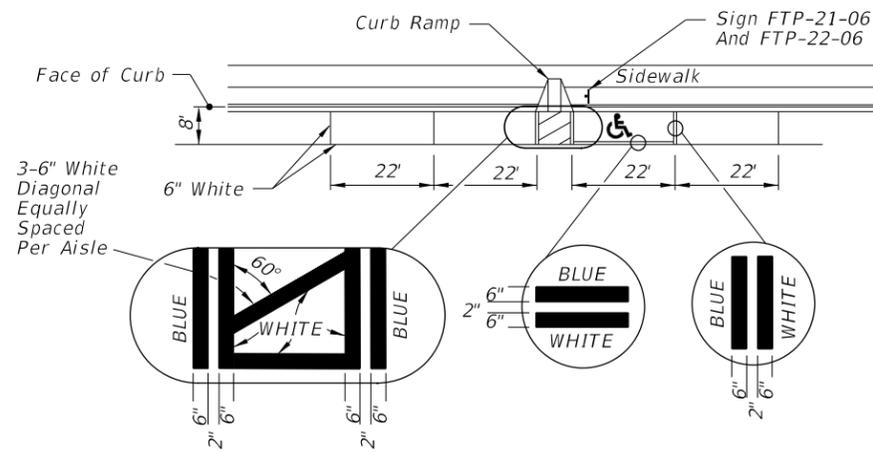
NOTES:

1. This Index also applies to right turn lanes.
2. Make Edgeline pavement markings yellow for left-turn lanes and white for right-turn lanes.

ARROW SPACING AND TURN LANE MARKINGS

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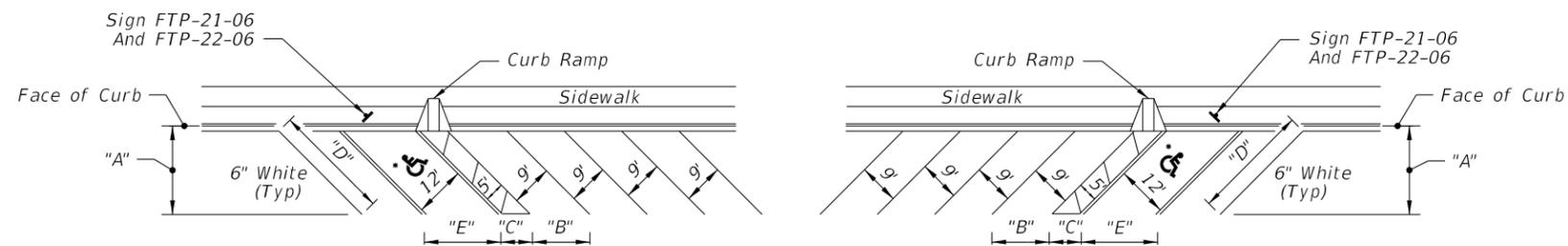


(See Note 5)

UNIVERSAL SYMBOL OF ACCESSIBILITY

NOTES:

1. Dimensions are to the centerline of markings.
2. An Access Aisle is required for each accessible space when angle parking is used.
3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
4. Mount FTP-22-06 sign below the FTP-21-06 sign.
5. Use of the pavement symbol in accessible parking spaces is optional. When pavement symbol is used, the symbol is either 3'-0" or 5'-0" high and white in color.



FORWARD-IN PARKING

REVERSE-IN PARKING

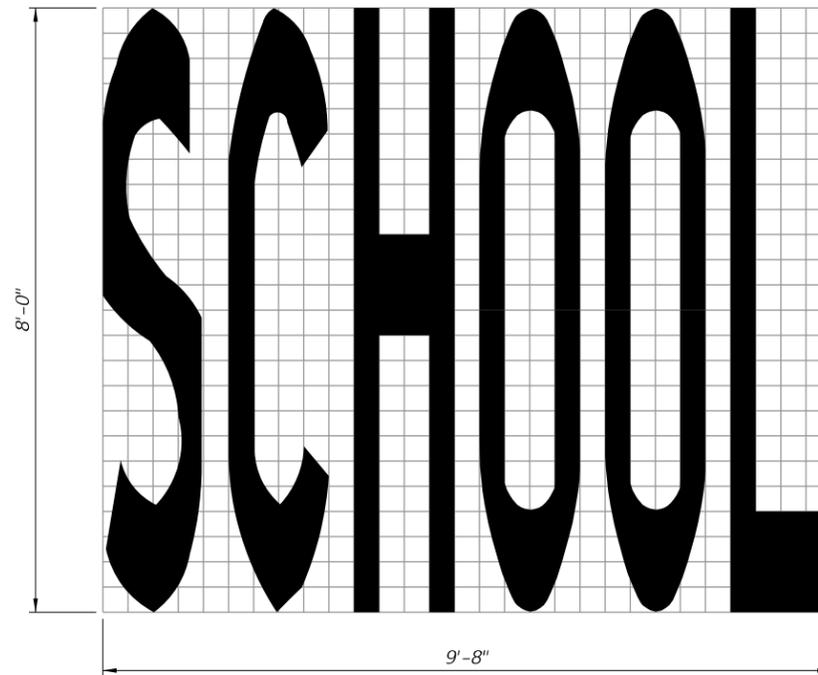
\* FOR ACCESSIBLE MARKINGS - SEE ABOVE

DIMENSIONS					
∠ θ	"A"	"B"	"C"	"D"	"E"
45°	17'-0"	12'-9"	7'-0"	24'-0"	17'-0"

PAVEMENT MARKING FOR PARKING

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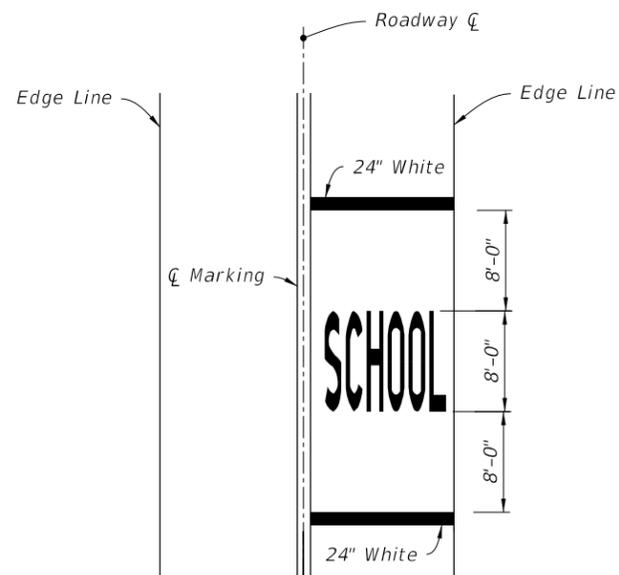
33 S.F.



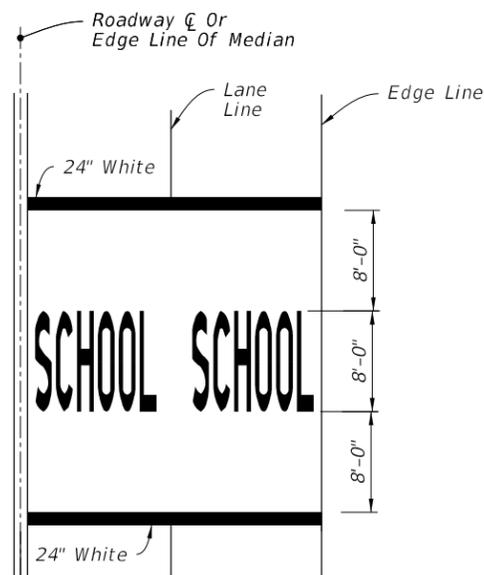
SCHOOL PAVEMENT MARKING

NOTES:

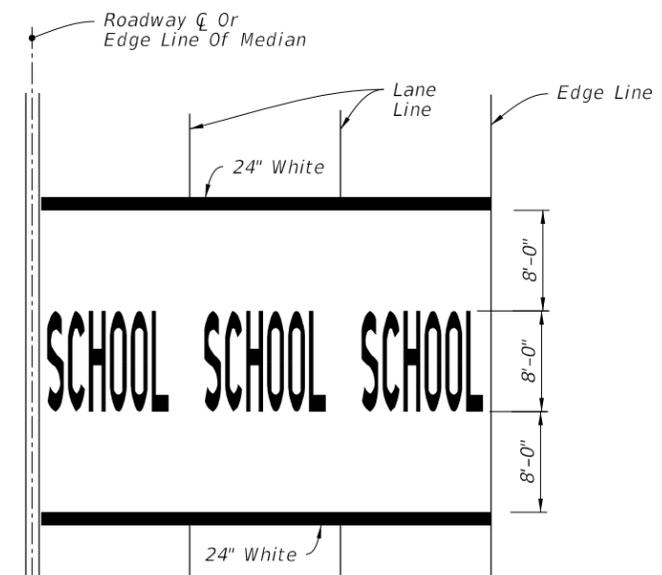
- 1. All grids are 4" x 4".
- 2. Pavement Marking Should Not Extend Into Opposing Lane.
- 3. Center School Pavement Marking in Lane.



SINGLE-LANE APPROACH



TWO-LANE APPROACH



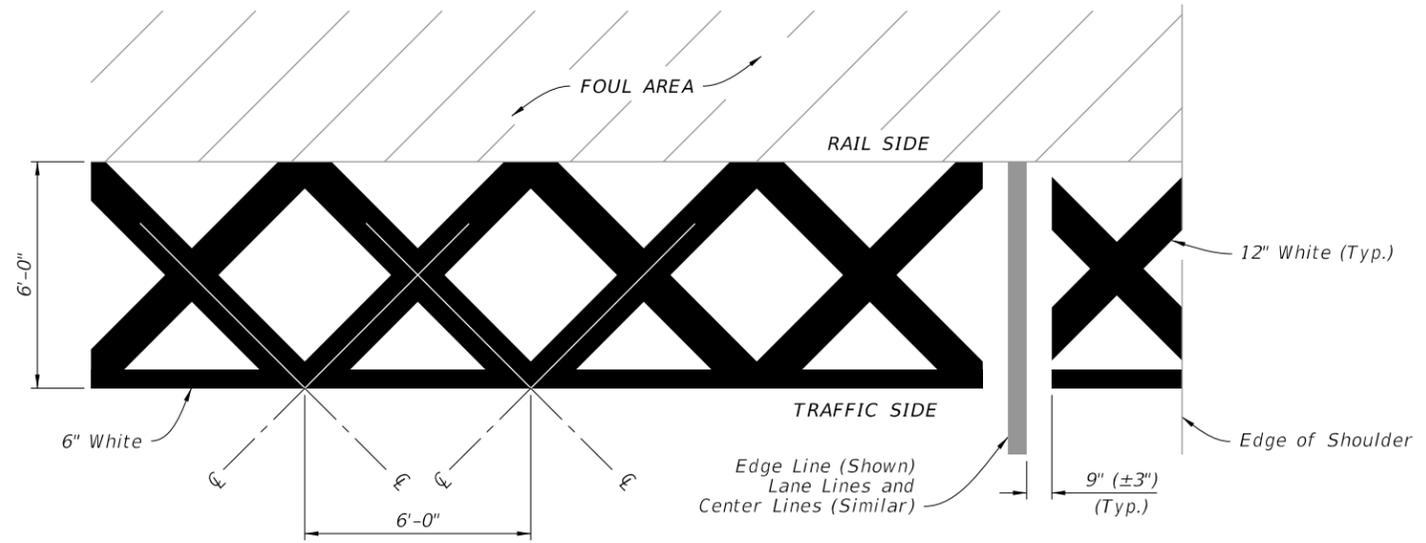
MULTI-LANE APPROACH  
(Three or More)

MARKINGS FOR SCHOOL ZONES

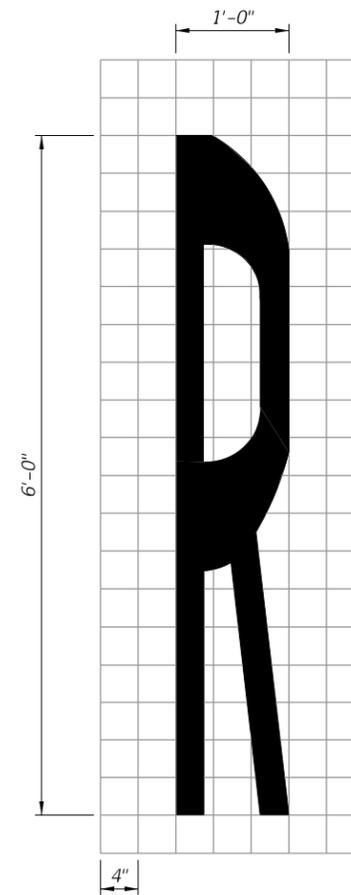
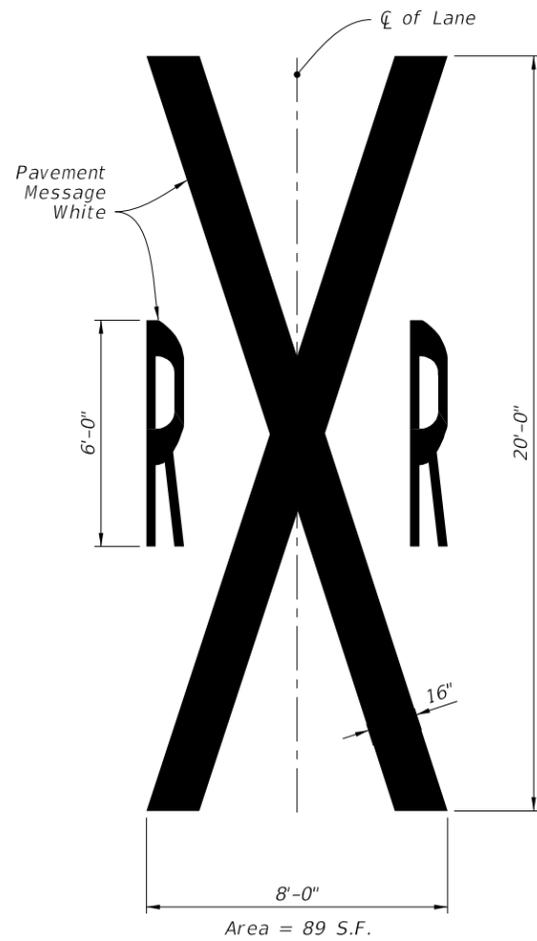
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**NOTE:**  
Orient Railroad Dynamic Envelope Marking as shown in the Plans.



RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL



RAILROAD CROSSING PAVEMENT MESSAGE

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