

**LEGEND**

ASPHALT CONCRETE	AC	FINISHED SURFACE	FS
CATCH BASIN	CB	FUTURE	FUT
CONCRETE	CONC	GRADE BREAK	GB
CURB FACE	CF	HIGH POINT	HP
CURB & GUTTER	C&G	FLOWLINE	FL
DOMESTIC WATER	DW	LOW POINT	LP
DRIVEWAY	DWY	PROPERTY LINE	P/L
EDGE OF PAVEMENT	EP	PROPOSED	PR
EXISTING	EX	RIGHT OF WAY	R/W
FINISHED GRADE	FG	TOP OF CURB	TC

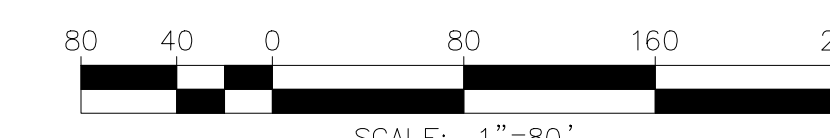
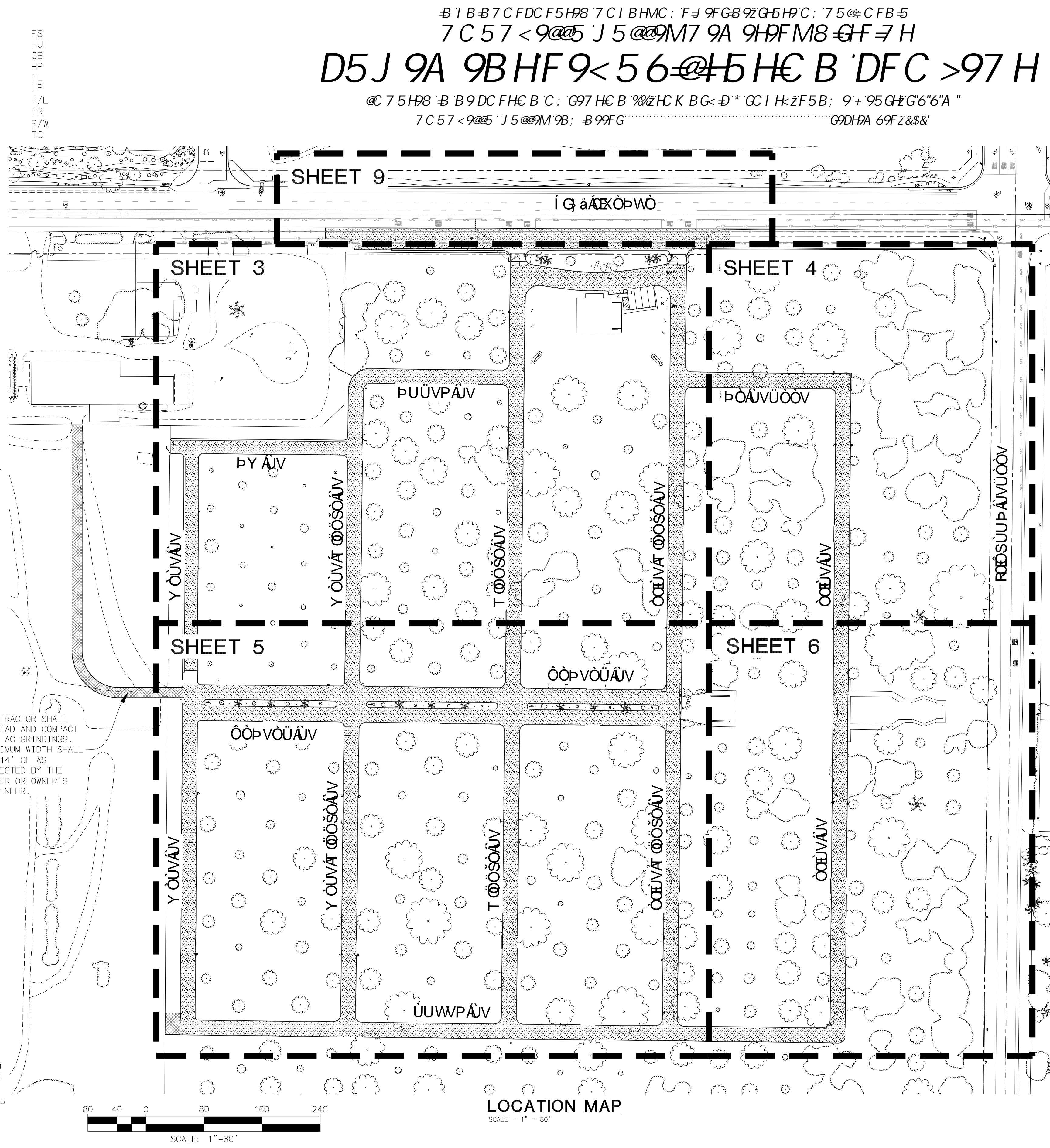
EXISTING ELEVATION	(100.50)
FINISHED ELEVATION	101.50
PROPERTY LINE	_____
CENTERLINE	_____
RIGHT-OF-WAY (R/W)	_____
EASEMENT LINE	_____

**ΥΠΟΧΡΩΣΗ ΤΩΝ ΕΡΓΑΖΟΜΕΝΩΝ**

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEARING OF THE WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. THIS INCLUDES UNDERGROUNDING OF EXISTING OVERHEAD LINES ALONG THE PROJECT FRONTAGE AS REQUIRED BY THE CONDITIONS OF APPROVAL. PERMITEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (760) 342-8267.
- THE DEVELOPER WILL INSTALL STREET NAME SIGNS CONFORMING TO COUNTY STANDARD NO. 1220 AND 1221.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED WITH APPROVED STREET PLAN FOR REVIEW TO THE PERMITS SECTION OR INSPECTION SECTION (FOR MAP CASES) PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS FOR PARCEL AND TRACT MAPS SHALL BE TAKEN AND MAY BE TAKEN FOR PERMIT CASES BY THE COUNTY AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
- AS DETERMINED BY THE TRANSPORTATION DIRECTOR, THE DEVELOPER IS RESPONSIBLE AS A MINIMUM FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS NOT PART OF THIS PROJECT ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THOSE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING PLAN WITHIN THE PROJECT AREAS, OR ON ROADWAYS ADJACENT TO THE PROJECT BOUNDARIES, UPON THE REQUEST OF THE DIRECTOR OF TRANSPORTATION OR HIS DESIGNEE TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.

**ΤΑΥΤΟΘΕΣΙΑ ΥΠΟΧΡΩΣΗ ΤΩΝ ΕΡΓΑΖΟΜΕΝΩΝ**

- CRUSHED MISCELLANEOUS BASE (CMB) SHALL CONFORM TO THE GREENBOOK STANDARD SPECIFICATION 200-2 AND THE FOLLOWING:  
CMB WILL BE UTILIZED FOR BASE MATERIAL UNDER THE CONCRETE AREAS IDENTIFIED IN THE PLAN. CMB MATERIAL SHALL CONFORM TO THE FINE GRADATION FOR CMB. CMB SHALL BE PLACED IN ACCORDANCE WITH STANDARD 301-2, COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.
- ASPHALT CONCRETE (AC) PAVEMENT SHALL CONFORM TO THE GREENBOOK STANDARD SPECIFICATION 302-5 AND THE FOLLOWING:  
ALL BASE LAYERS OF AC SHALL CONFORM TO THE GRADING FOR 3/4" MAXIMUM, MEDIUM MATERIAL, AND THE SURFACE LIFT SHALL CONFORM TO THE GRADING FOR 1/2" MAXIMUM, MEDIUM MATERIAL. ALL ASPHALT SHALL BE PG 70-10.
- TYPE II SLURRY SEAL SHALL CONFORM TO THE GREENBOOK STANDARD SPECIFICATION 203-5 AND 302-4.
- MASTIC, HOT APPLIED POLYMER ASPHALT BINDER COMBINED WITH AGGREGATE AND MODIFIERS SHALL CONFORM TO GAP, MASTIC B, FROM MAXWELL PRODUCTS OR APPROVED EQUAL.

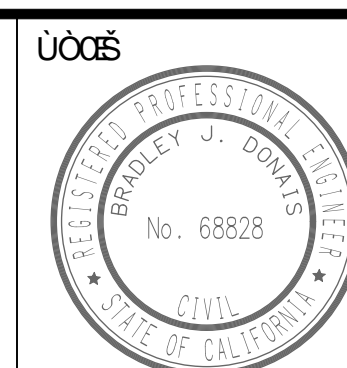


**LOCATION MAP**  
SCALE - 1" = 80'



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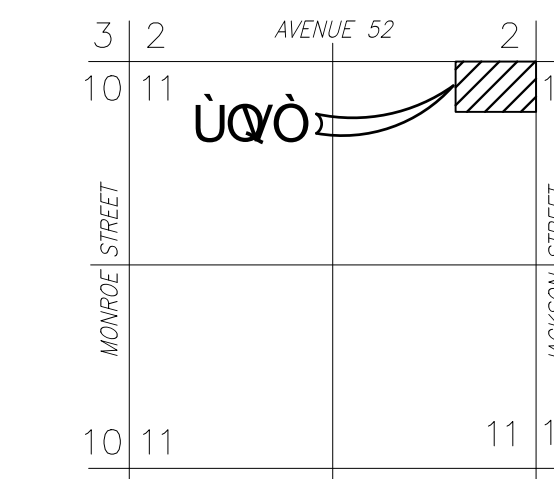


ΕΓΓΡΑΦΗ ΕΡΓΟΥ  
ΕΓΓΡΑΦΗ ΕΡΓΟΥ  
ΕΓΓΡΑΦΗ ΕΡΓΟΥ



99 / 55 Νέα Οικιστική Τηλεφωνική Οδός 323  
Ρενο Βιγκ: EC: 4433  
Vgs: \*982: 582/6422 Hcz: \*982: 582/6426  
goc: \*exg B exgpgi ydc: \*y y lexpgi

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**ΔΕΛΤΙΟ ΠΡΟΒΛΕΨΗΣ ΠΟΣΟΤΗΤΩΝ**

UNITS	QUANTITY
1) PROTECT IN PLACE	---
2) GRIND AC PAVEMENT (~2.5" THICK)	SF 107,490
3) REMOVE CONCRETE	SF 842
4) REMOVE CURB/ACCESS CURB CUT	LF 885
5) CRACK SEAL & APPLY TYPE II REAS SLURRY	SF 45,135
6) NOT USED	---
7) CONSTRUCT 3" AC OVER 8" COMPACTED NATIVE	SF 107,580
8) SUBGRADE REPAIR PER DETAIL ON SHEET 2	SF 3,307
9) CONST. 6" CONC CURB PER RCTD STD 204	LF 306
10) CONST. 6" CONC C&G PER RCTD STD 200	LF 83
11) CONSTRUCT 6" AC (PG 70-10) OVER 6.5" CL II AB (AVE 52)	SF 14,471
12) REMOVE DRAIN INLET	EA 9
13) F&I CURB INLET w/GRATE PER DETAIL ON SHEET 2	EA 12
14) REMOVE & CONST. 6" CONC CURB PER RCTD STD 204 (ADD ALT "C")	LF 370
15) CONST. DRAINAGE CURB CUT PER DETAIL ON SHEET 2	EA 33
16) CONST. DRAIN INLET APRON "A" PER DETAIL ON SHEET 2	EA 12
17) CONST. DRAIN INLET APRON "B" PER DETAIL ON SHEET 2	EA 1
18) F&I INLET w/GRATE PER DETAIL ON SHEET 2	EA 1
19) CONST. ACCESS CURB CUT PER DETAIL ON SHEET 2	SF 454
20) F&I 8" N-12 HOPE PIPE	LF 307
21) F&I 24" UNDERGROUND DETENTION SYSTEM PER DETAIL ON SHEET 2	EA 8
22) F&I 36" UNDERGROUND DETENTION SYSTEM PER DETAIL ON SHEET 2	EA 2
23) PAINT CURB RED, FACE AND TOP	LF 5,630
24) F&I STREET SIGN	EA 2
25) PAINT PARKING STALL MARKS PER DETAIL ON SHEET 2	LS 1
26) PAINT 4" WHITE EDGE LINE, CT DET 27B	LF 334
27) PAINT 8" WHITE EDGE LINE, CT DET 38A	LF 628
28) PAINT 6" WHITE CHEVRON @ 35' SPACING	SF 221
29) THERMOPLASTIC TYPE IV ARROW (RT)	EA 2
30) REMOVE STRIPING	LF 210
31) SAWCUT & REMOVE AC PAVEMENT	SF 1,730
32) THERMOPLASTIC PAVEMENT MARKING "KEEP CLEAR"	EA 1
33) 6" AC CURB PER RCTD STD 212	LF 252
34) RELOCATE SIGN	EA 3
35) ADJUST TO GRADE FRONTIER PULL BOX	EA 1
36) REMOVE CURB (ADD ALT "A")	LF 4,549
37) CONST. 6" CONC C&G PER RCTD STD 200 (ADD ALT "A")	LF 4,373
38) CONST. ACCESS CURB CUT PER DETAIL ON SHEET 2 (ADD ALT "A")	SF 473
39) NOT USED	---
40) F&I GATE LOOP DETECTOR	EA 2
41) PLACE & COMPACT 6" (MIN) AC GRINDINGS AS DIRECTED BY ENGINEER	SF 44,800
42) PAINT 6" WHITE LANE DROP PER CT DET 37B	LF 115
43) PRE-SLOPED TRENCH DRAIN w/ STD GRATE, NDS DURA SLOPE OR APPVD EQUAL	LF 16
44) PAINT 12" SOLID WHITE LINE	LF 48
45) COLD MILL & AC OVERLAY 0.20" (PG 70-10)	SF 5,272
46) PAINT 4" TWTL YELLOW STRIPES PER CT DET 31	LF 208
47) PAINT 4" DOUBLE YELLOW LINE PER CT DET 21	LF 85

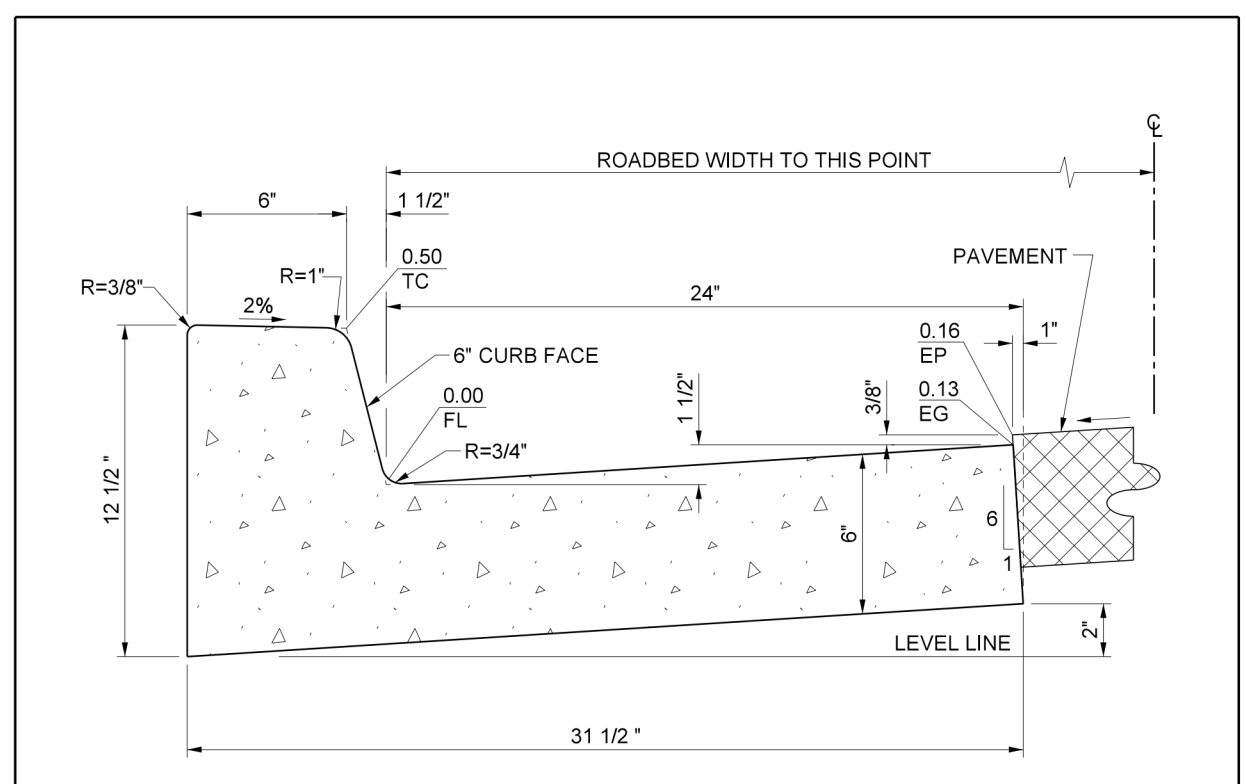
NOTES:  
(1) QUANTITY PROVIDED FOR INFORMATION ONLY. ITEMS OF WORK PER THE SPECIFICATIONS ARE INCIDENTAL TO OTHER CONSTRUCTION ITEMS LISTED IN THE BID SCHEDULE.  
(2) QUANTITY NOTED IN ABOVE IS THE RUNNING LANE LENGTH OF THE STRIPING AND NOT THE ACTUAL PAINTED LENGTH.  
QUANTITIES LISTED HEREON ARE PROVIDED FOR CONTRACTOR INFORMATION. THE BID ITEMS LISTED IN THE PROJECT BID PACKAGE UNDER THE BID SCHEDULE WILL GOVERN IN THE CASE OF A DISCREPANCY IN THE ABOVE LISTED QUANTITIES.

**CONSTRUCTION PHASING**

SEE SHEET 10 FOR THE PAVEMENT REPLACEMENT SEGMENT PHASING. CONTRACTOR SHALL COORDINATE WITH CEMETERY STAFF ON THE TIMING OF THE SLURRY SEAL AND OFFSITE IMPROVEMENT OPERATIONS.

SHEET #	DESCRIPTION
1	TITLE SHEET
2	DETAILS
3-6	PAVEMENT REHAB PLAN
7	STREET SUBGRADE GRADING DETAILS
8	ALTERNATE ONSITE IMPROVEMENTS
9	52nd AVENUE IMPROVEMENTS
10	PAVEMENT REPLACEMENT PHASING PLAN

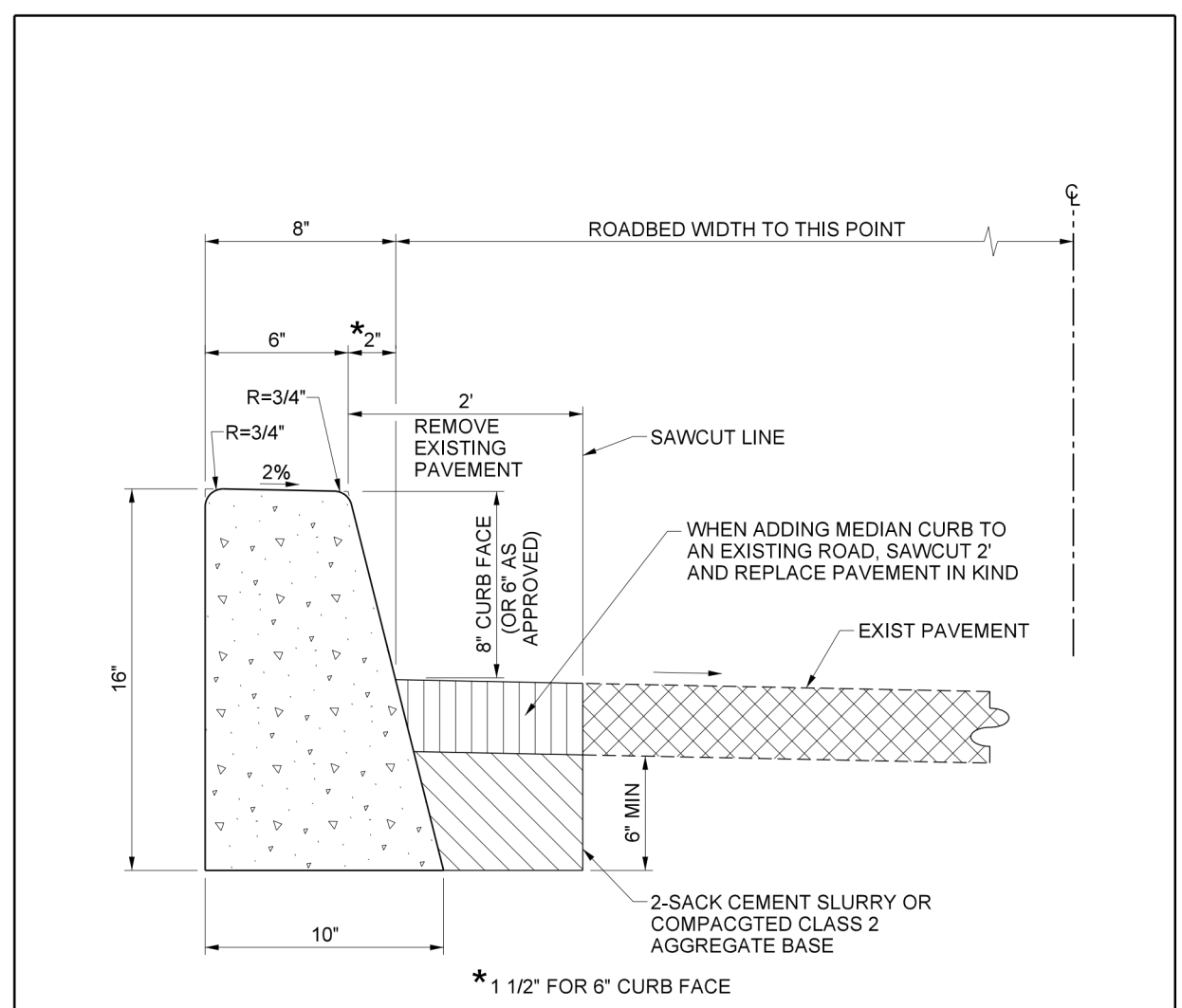




MINIMUM CEMENTITIOUS MATERIAL CONTENT = 505 LB / CU YD  
 1.601 CU FT / LF  
 1 CU YD = 16.86 LF

- NOTES:
- RELATIVE COMPACTION OF SUBGRADE UNDER CURB AND GUTTER SHALL BE 95% MINIMUM.
  - WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, USE A MODIFIED CONCRETE MIX AND PLACE 6" MIN CLASS 2 AGGREGATE BASE AND 6 MIL PLASTIC SHEETING UNDER AND AROUND ALL SIDES OF CONCRETE IMPROVEMENTS. FOR EXPANSIVE SOIL, PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CONCRETE IMPROVEMENTS AS DIRECTED BY THE ENGINEER. SEE SPECIFICATIONS SECTIONS 16.03 & 16.04 AND STANDARD No. 401 FOR REFERENCE.

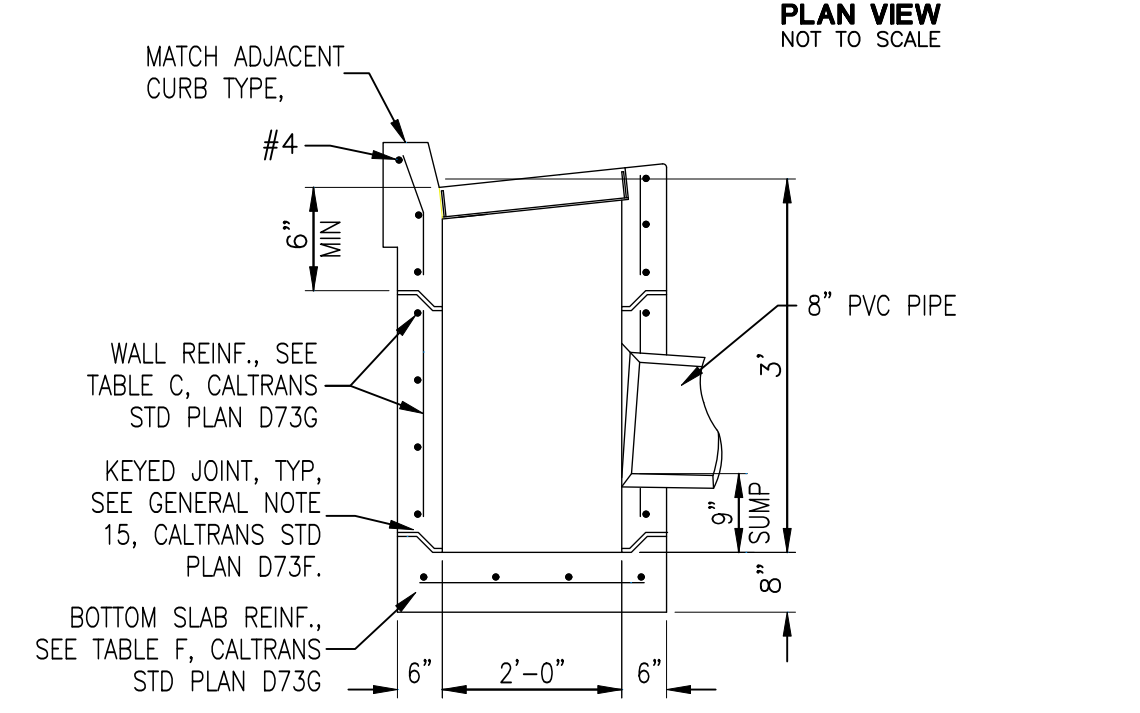
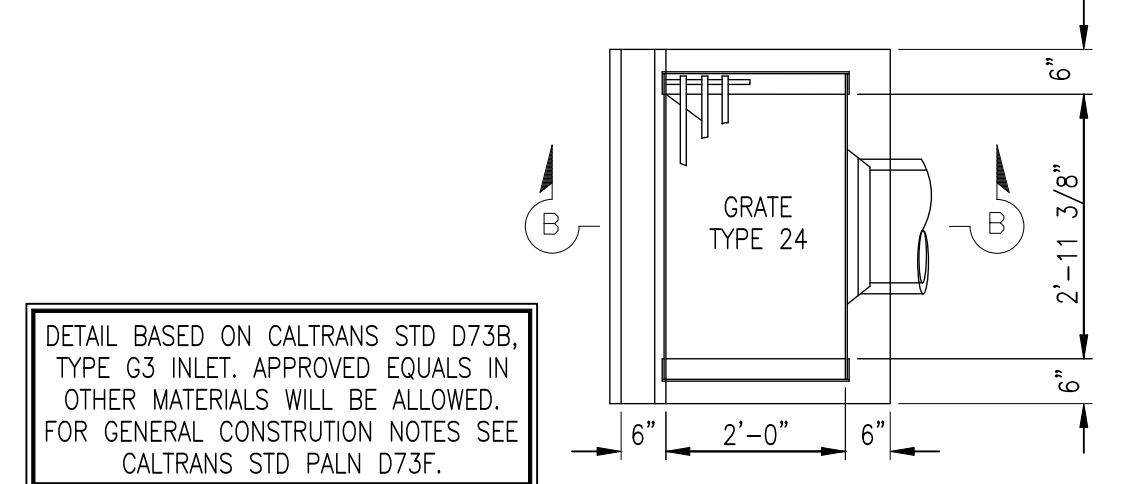
NOT TO SCALE		PREPARED UNDER THE SUPERVISION OF:		COUNTY OF RIVERSIDE	
				<b>TYPE A-6 CURB AND GUTTER 6" CURB FACE</b> <b>STANDARD No. 200</b>	



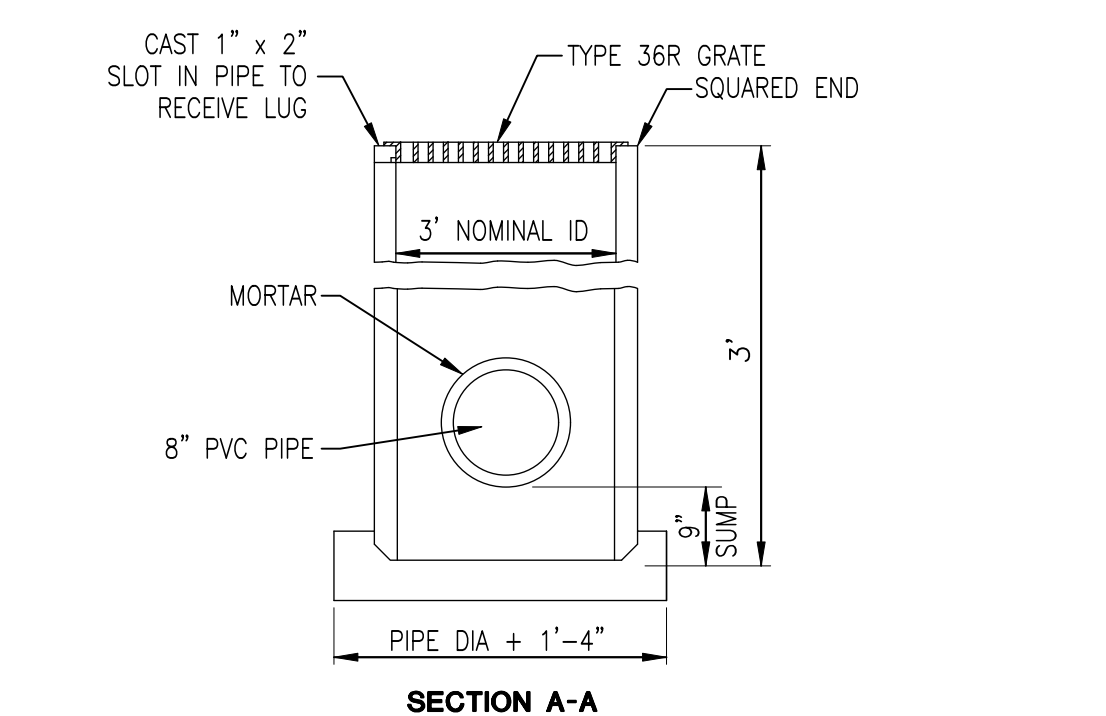
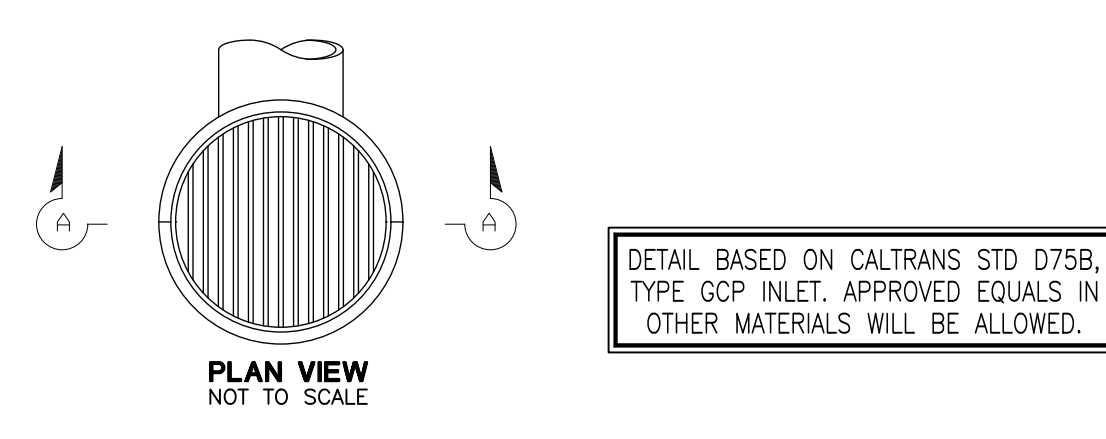
MINIMUM CEMENTITIOUS MATERIAL CONTENT = 505 LB / CU YD  
 0.888 CU FT / LF  
 1 CU YD = 30.41 LF

- NOTES:
- RELATIVE COMPACTION OF SUBGRADE UNDER CURB AND GUTTER AND NEW PAVEMENT SHALL BE 95% MINIMUM.
  - WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, USE A MODIFIED CONCRETE MIX AND PLACE 6" MIN CLASS 2 AGGREGATE BASE AND 6 MIL PLASTIC SHEETING UNDER AND AROUND ALL SIDES OF CONCRETE IMPROVEMENTS. FOR EXPANSIVE SOIL, PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CONCRETE IMPROVEMENTS AS DIRECTED BY THE ENGINEER. SEE SPECIFICATIONS SECTIONS 16.03 & 16.04 AND STANDARD No. 401 FOR REFERENCE.

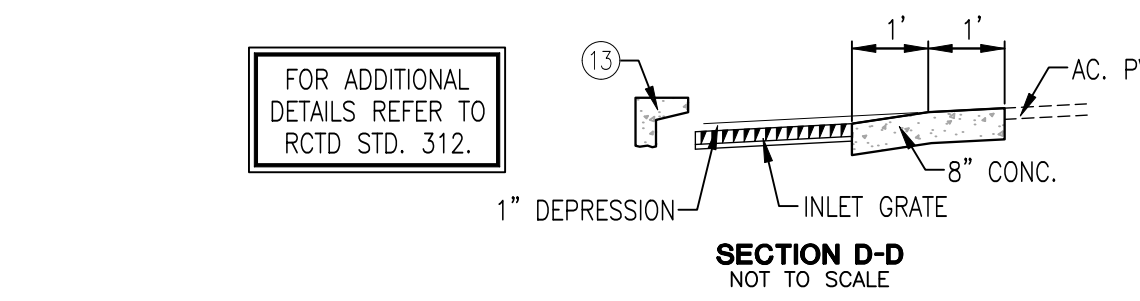
NOT TO SCALE		PREPARED UNDER THE SUPERVISION OF:		COUNTY OF RIVERSIDE	
				<b>TYPE "D" CURB ONLY</b> <b>STANDARD No. 204</b>	



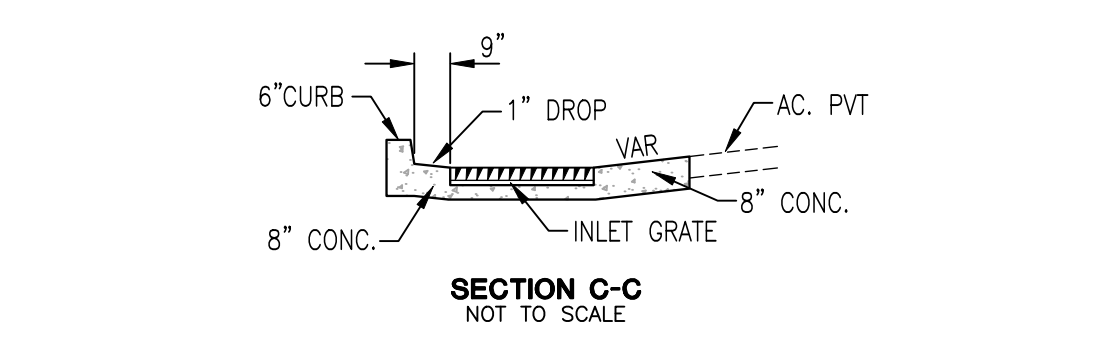
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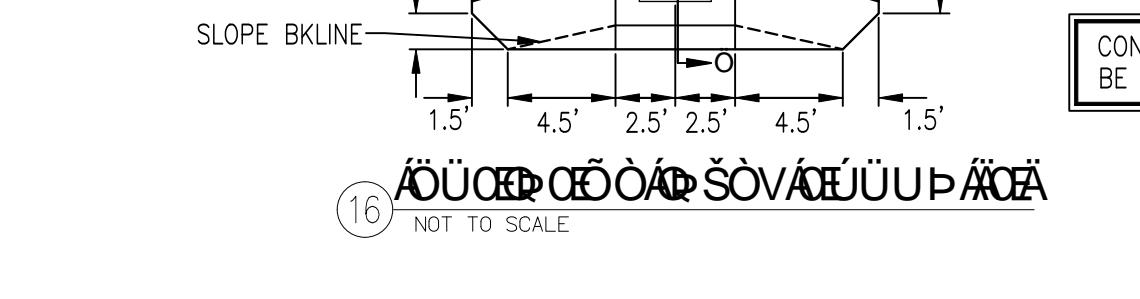
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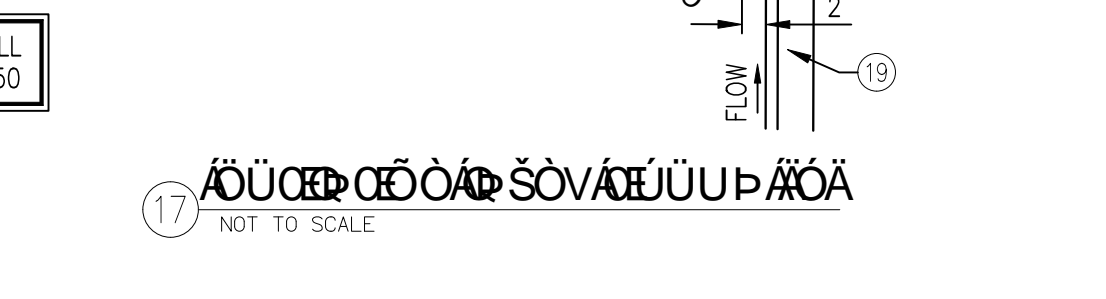
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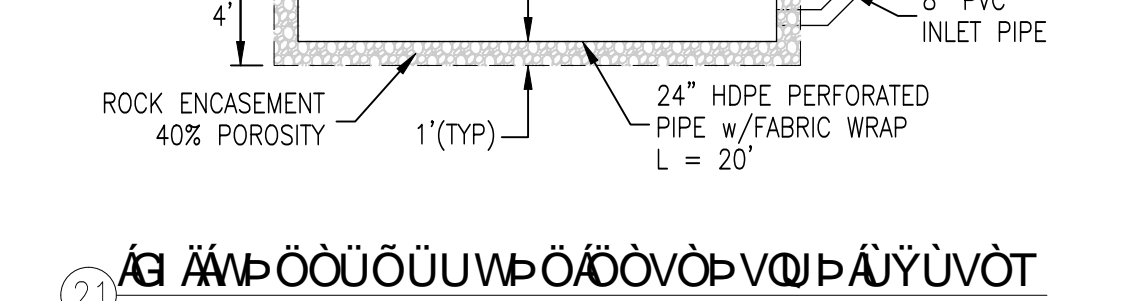
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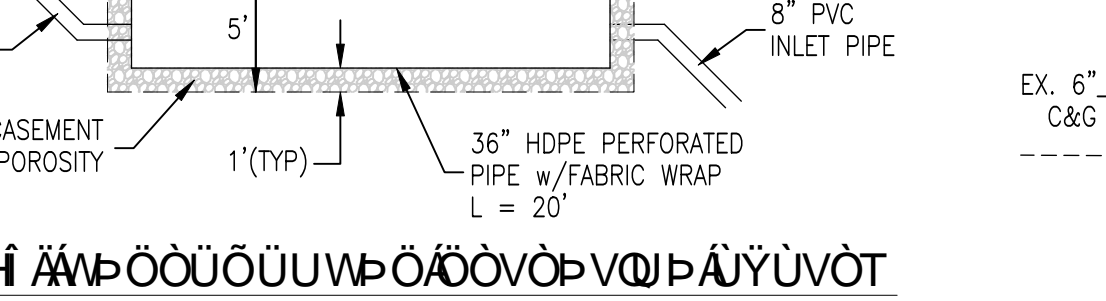
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22 NOT TO SCALE



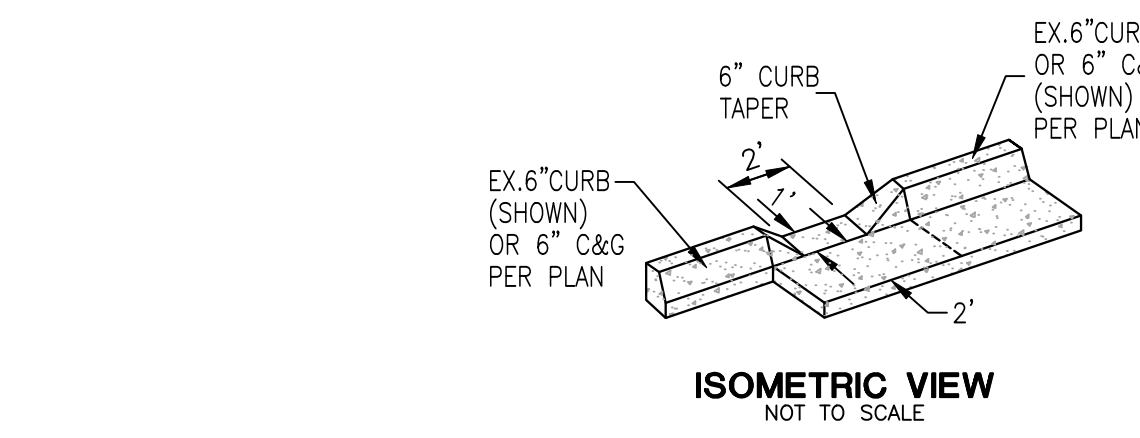
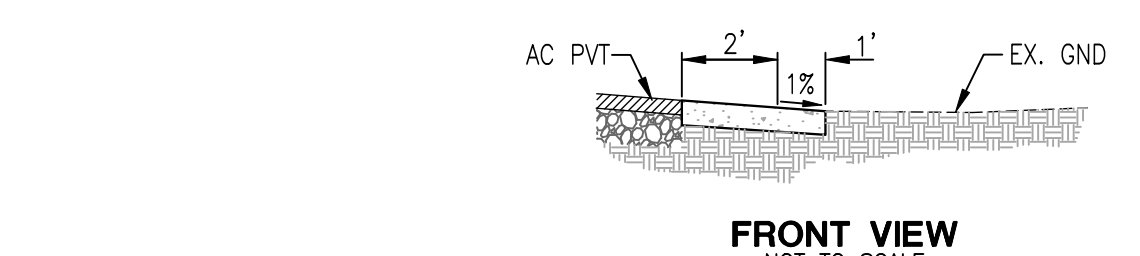
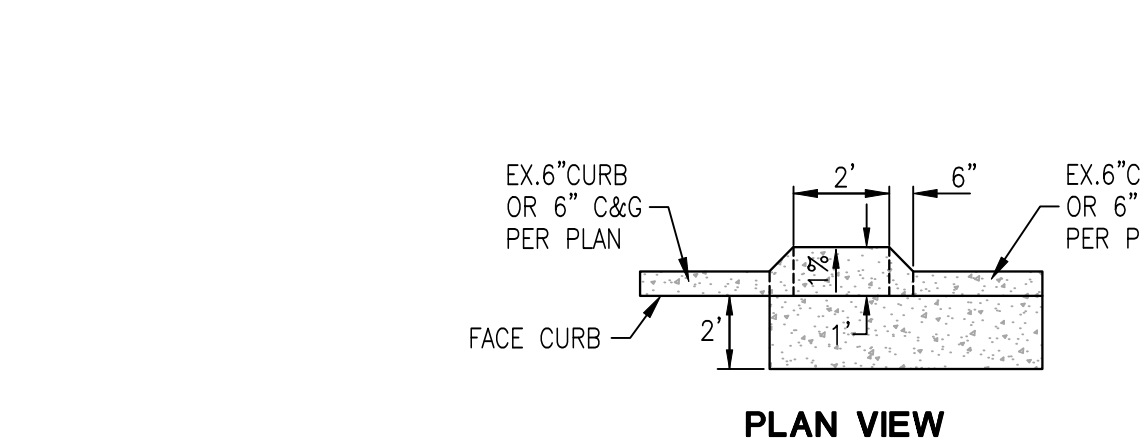
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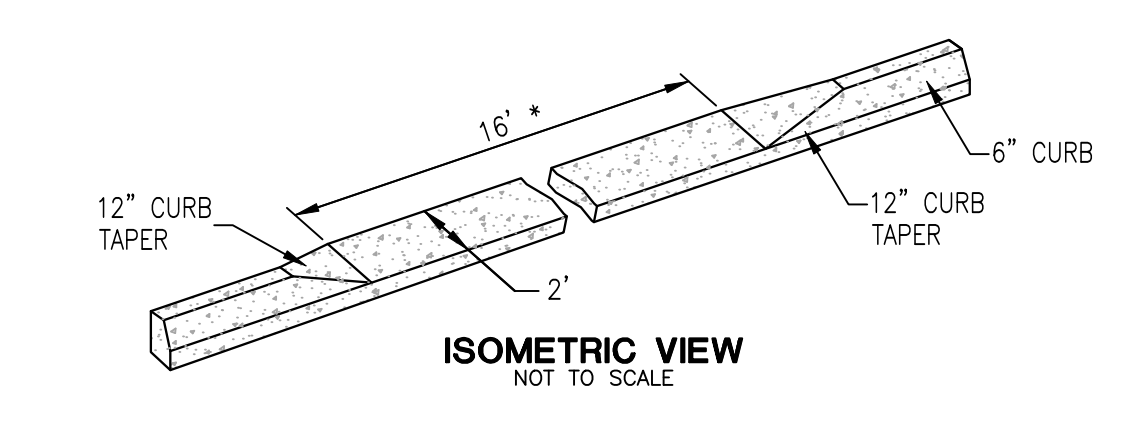
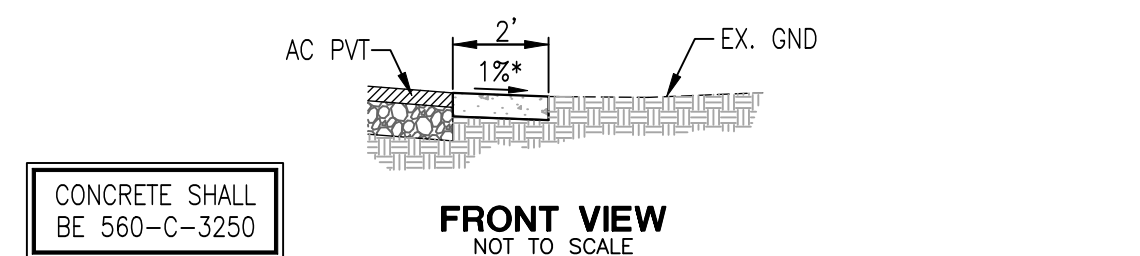
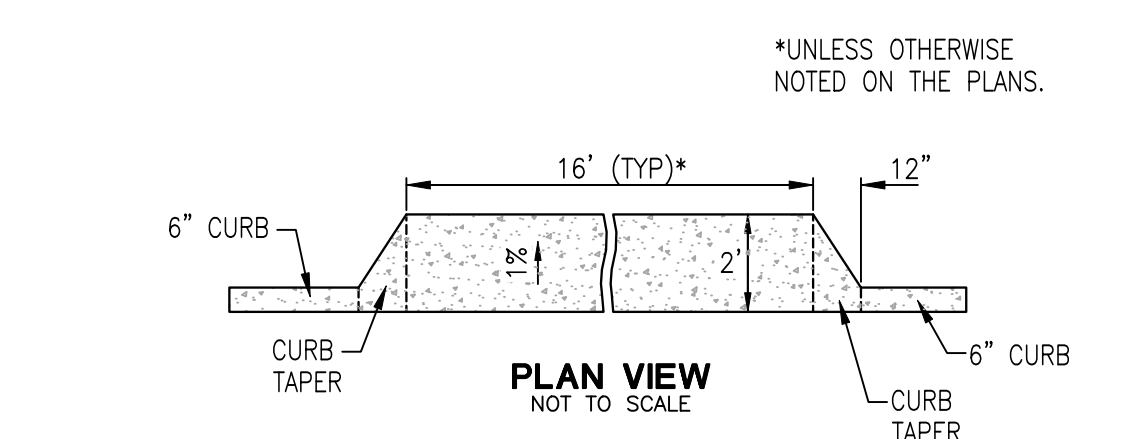
22 NOT TO SCALE

- 25 GRIND AC PAVEMENT (~2.5" THICK)  
 26 CRACK SEAL & APPLY TYPE II REAS SLURRY  
 27 CONSTRUCT 3" AC OVER 8" COMPACTED NATIVE  
 28 SUBGRADE REPAIR PER DETAIL ON SHEET 2  
 29 CONST. 6" CONC C&G PER RCTD STD 200  
 30 F&I CURB INLET w/GRATE PER DETAIL ON SHEET 2  
 31 CONST. DRAINAGE CURB CUT PER DETAIL ON SHEET 2  
 32 CONST. DRAIN INLET APRON "A" PER DETAIL ON SHEET 2  
 33 CONST. DRAIN INLET APRON "B" PER DETAIL ON SHEET 2  
 34 F&I INLET w/GRATE PER DETAIL ON SHEET 2  
 35 CONST. ACCESS CURB CUT PER DETAIL ON SHEET 2  
 36 F&I 24" UNDERGROUND DETENTION SYSTEM PER DETAIL ON SHEET 2  
 37 F&I 36" UNDERGROUND DETENTION SYSTEM PER DETAIL ON SHEET 2  
 38 PAINT PARKING STALL MARKS PER DETAIL ON SHEET 2

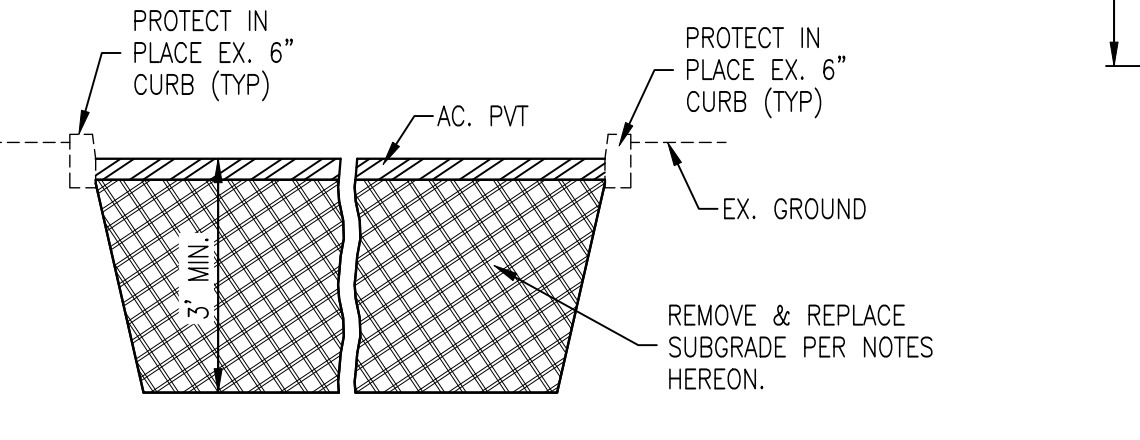
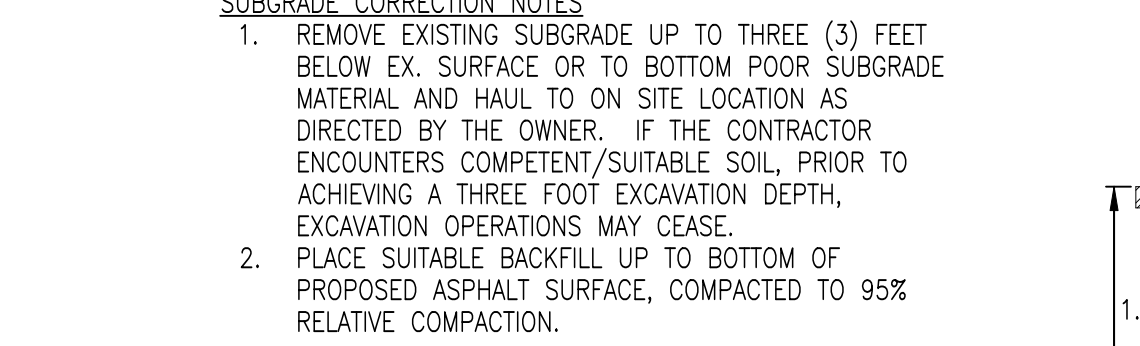
**CROSS SLOPE MOD**  
 FOLLOWING THE REMOVAL OF THE PAVEMENT IN THE GRIND AREAS NOTED HEREON, THE STREET CROSS SECTION SHALL BE RE-SLOPED. SEE SHEET 7 FOR DETAILS.



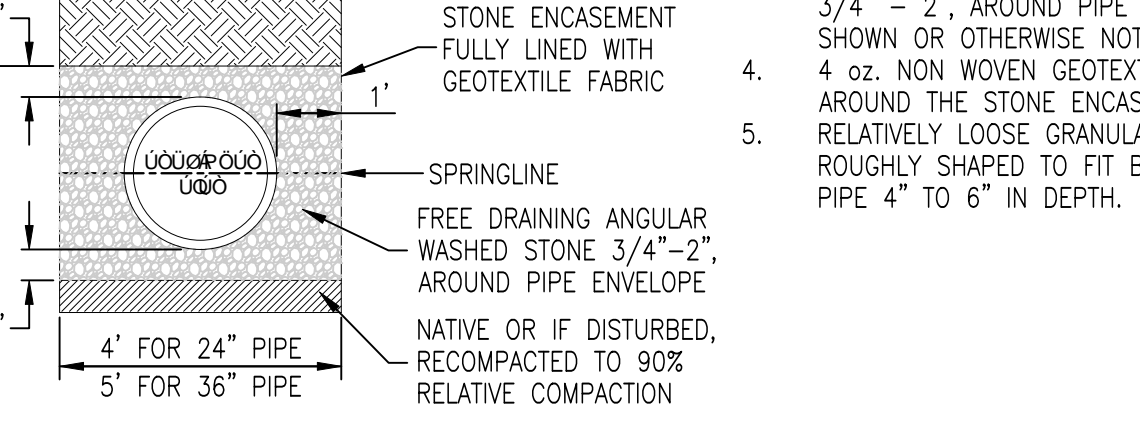
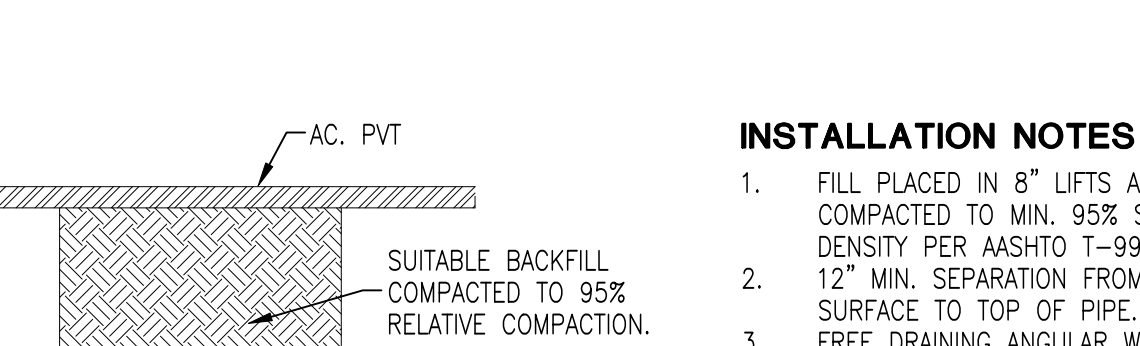
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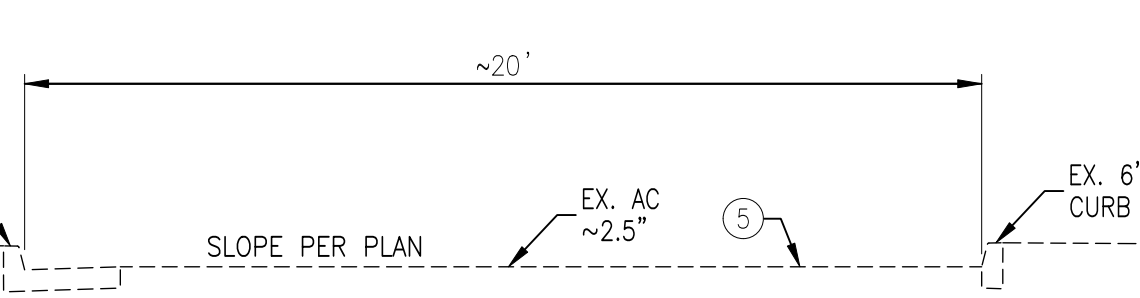
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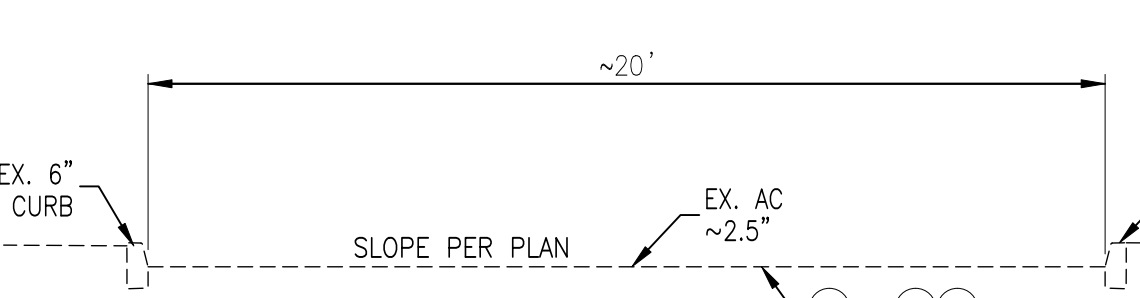
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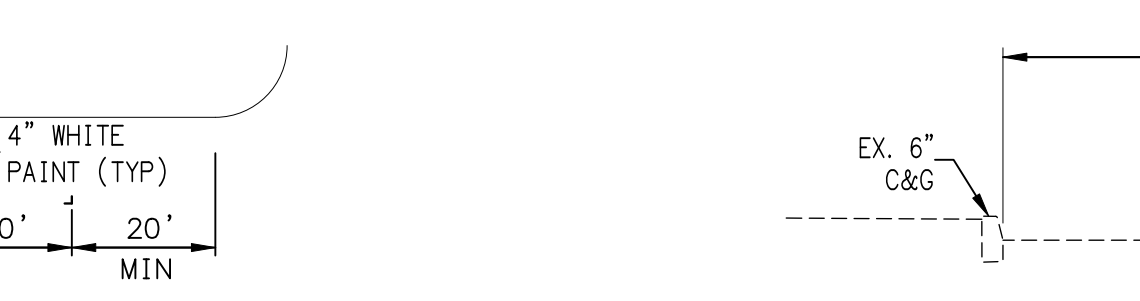
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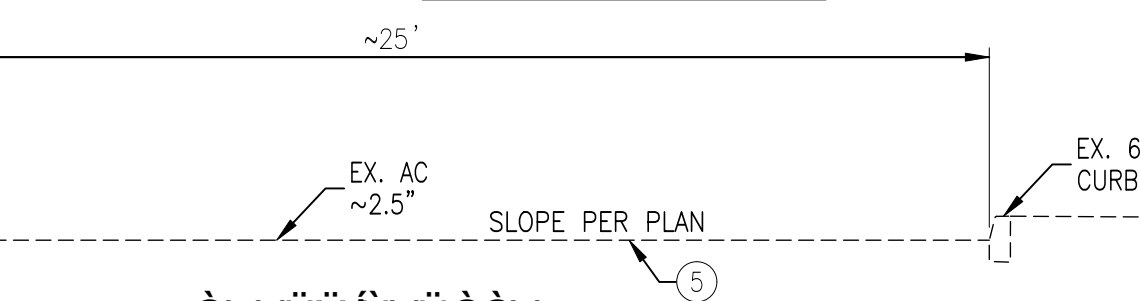
5 OR 27



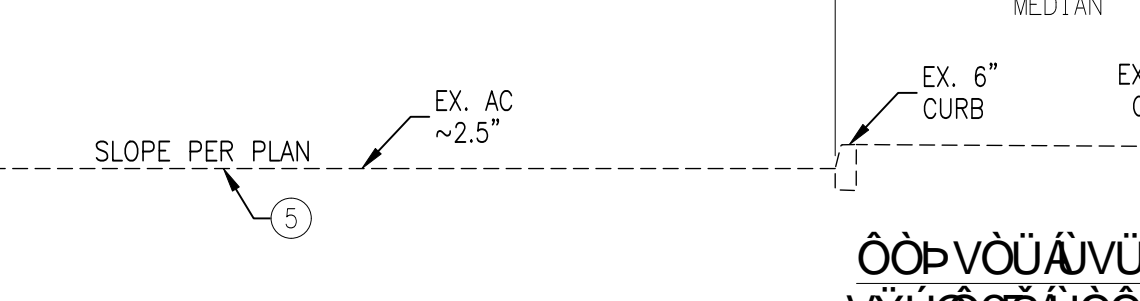
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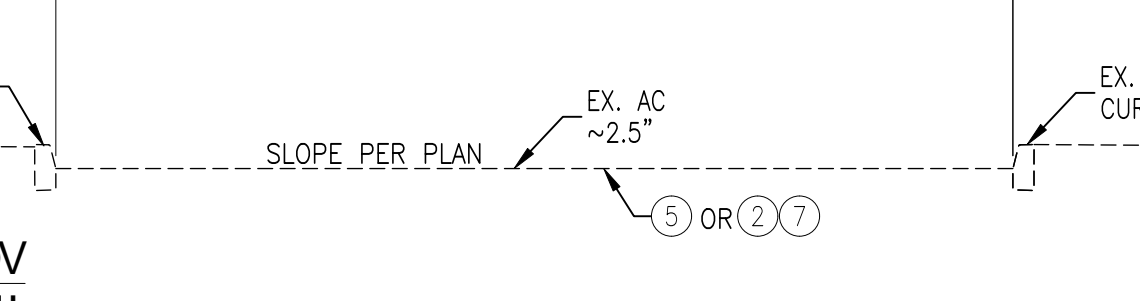
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5 OR 27



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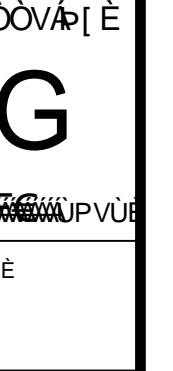
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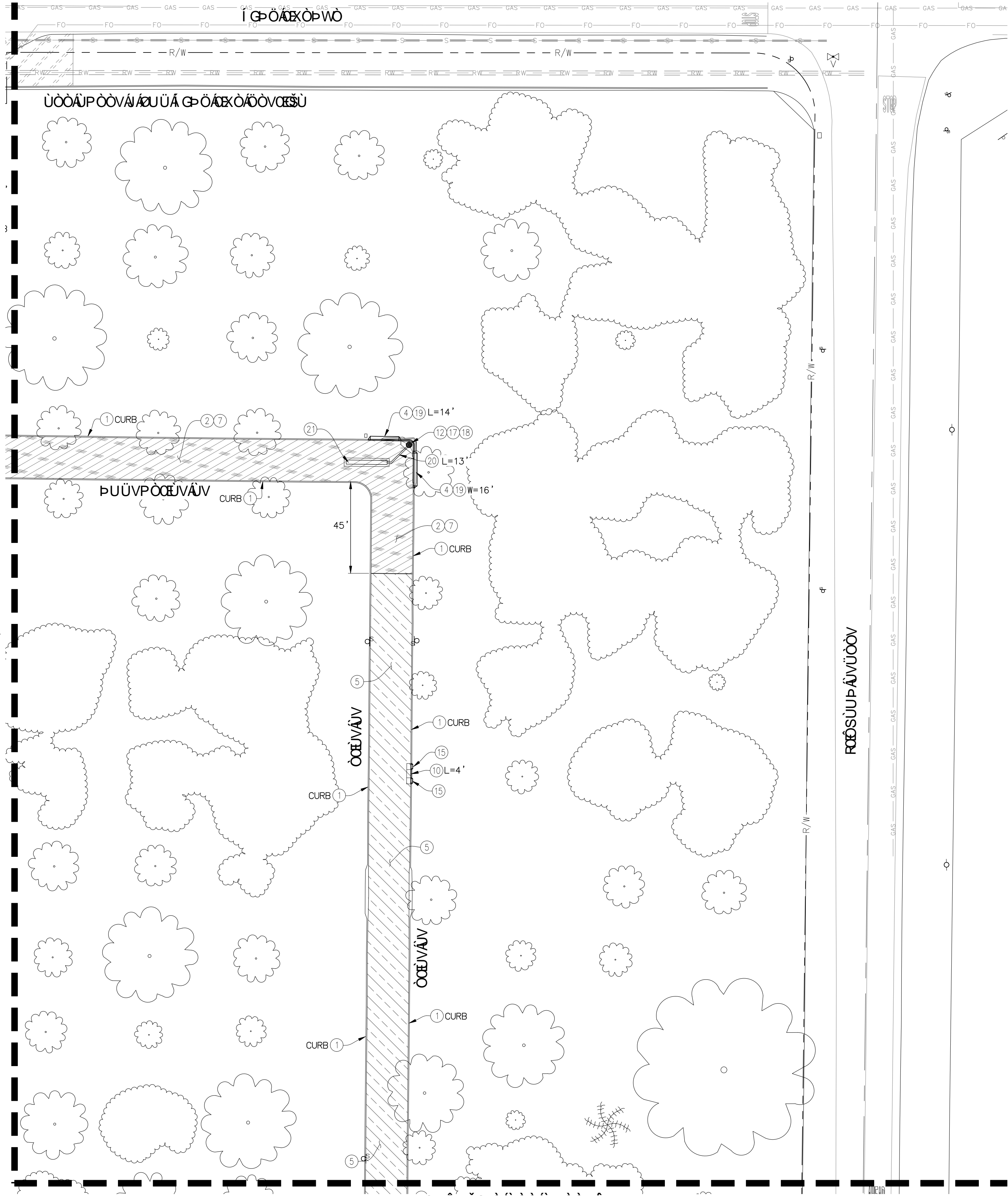
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 Vgs:'982:582/6422 Hcz:'982:582/6426  
 goch'eg B ex'pgr ygd' y ylex'pgr

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**BEHIND CURB GRADING**  
 FOR THE INSTALLATION OF THE DRAINAGE CURB CUTS, THE OWNER'S FORCES WILL PROVIDE THE FINAL GRADING AND RESTORATION TO ACCEPT STORMWATER FLOWS FROM THE STREET INTO THE GRASS AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MINOR EXCAVATIONS ASSOCIATED WITH THE REMOVAL AND PLACEMENT OF THE CONCRETE CURB CUT.

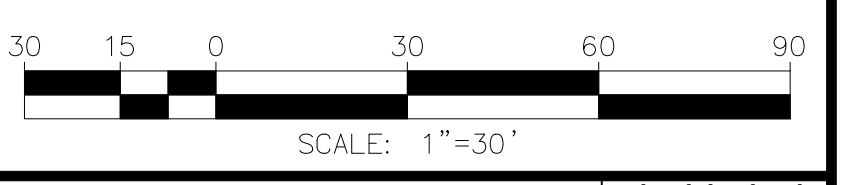
**DRAIN INLET REMOVAL**  
 FOLLOWING THE REMOVAL OF THE DRAIN INLET SYSTEM, THE CONTRACTOR SHALL PLACE SUITABLE BACKFILL INTO THE REMOVED INLET, AND COMPACT TO 95% RELATIVE COMPACTION. THE FURNISHING, PLACEMENT, AND COMPACTION OF THE SUITABLE BACKFILL WILL BE INCIDENTAL TO THE REMOVE DRAIN INLET BID ITEM.

**AC GRINDINGS**  
 CONTRACTOR SHALL SPREAD AND COMPACT THE AC GRINDINGS PER THE LOCATION NOTED ON THE TITLE SHEET. MINIMUM WIDTH SHALL BE AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER.

- ΘΥΠΟΝΥΩΝΩΠΡΑΠΥΝΟΥ**
- 1 PROTECT IN PLACE
  - 2 GRIND AC PAVEMENT (~2.5" THICK)
  - 4 REMOVE CURB/ACCESS CURB CUT
  - 5 CRACK SEAL & APPLY TYPE II REAS SLURRY
  - 7 CONSTRUCT 3" AC OVER 8" COMPACTED NATIVE
  - 10 CONST. 6" CONC C&G PER RCTD STD 200
  - 12 REMOVE DRAIN INLET
  - 15 CONST. DRAINAGE CURB CUT PER DETAIL ON SHEET 2
  - 17 CONST. DRAIN INLET APRON "B" PER DETAIL ON SHEET 2
  - 18 F&I INLET W/GRATE PER DETAIL ON SHEET 2
  - 19 CONST. ACCESS CURB CUT PER DETAIL ON SHEET 2
  - 20 F&I 8" N-12 HDPE PIPE
  - 21 F&I 24" UNDERGROUND DETENTION SYSTEM PER DETAIL ON SHEET 2

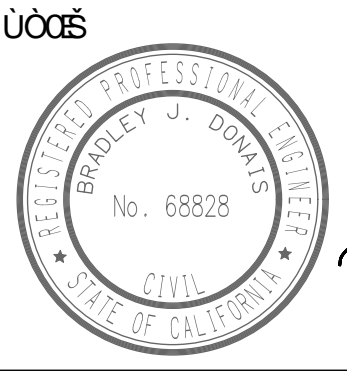
**STREET CROSS SLOPE MOD**  
 FOLLOWING THE REMOVAL OF THE PAVEMENT IN THE GRIND AREAS NOTED HEREON, THE STREET CROSS SECTION SHALL BE RE-SLOPED. SEE SHEET 7 FOR DETAILS.

- LEGEND**
- GRIND AC PAVEMENT & PLACE 4" AC OVER COMPACTED (2) (7) SUBGRADE
  - CRACK SEAL & APPLY TYPE II REAS SLURRY (5)
  - CONST. 4.5" AC (PG70-10) OVER 6" CLASS II AGG BASE (1)



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 99/;55'Ncu'Oappecu'Tqcf.'Uwkg'323  
 Reno'Fgugn.'EC';4433  
 Vgs'982';582'6422 Hcz'982';582'6426  
 goch'c'xg B exgpgi ygd.'y'y lexgpgi

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