

SPECIAL NOTES:

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE M/JPA DIRECTOR OF PUBLIC WORKS SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES AND THE MARCH JPA WILL NOT BE HELD RESPONSIBLE FOR THEIR ENFORCEMENT.

- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING: SAFETY OF ALL PERSONS AND PROPERTY, AND THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- EXCEPT AS NOTED HEREON ALL UTILITY SERVICES WITHIN THIS DEVELOPMENT ARE UNDERGROUND INSTALLATIONS. THE CONTRACTOR SHALL NOTIFY THE MARCH JPA, WESTERN MUNICIPAL WATER DISTRICT, AND RIVERSIDE COUNTY FLOOD CONTROL PRIOR TO STARTING WORK NEAR THEIR FACILITIES, AND SHALL COORDINATE HIS WORK WITH UNDERGROUND SERVICE ALERT. FOR UTILITY MARK-OUT SERVICE, CALL 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO WORK.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ALL DAMAGES THERETO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
- LOCATION AND ELEVATION OF EXISTING IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
- CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- WHERE TRENCHES ARE WITHIN 10 FEET OF FUTURE BUILDING SITES, SOILS REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH THE ON-SITE EARTHWORK SPECIFICATIONS.
- ANY WORK DONE WITHOUT INSPECTION OR MATERIALS TESTING IS SUBJECT TO REMOVAL OR CORRECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY DAMAGE TO THE EXISTING IMPROVEMENTS AND REPLACEMENT TO THE SATISFACTION OF THE FIELD ENGINEER AND THE M/JPA PUBLIC WORKS DIRECTOR.
- ALL EXISTING FENCES AND GATES WILL BE REMOVED AS A PART OF THE CURRENT DEMOLITION PROJECT BY OTHERS.
- THE SITE IS CURRENTLY BEING ALTERED BY THE ONGOING DEMOLITION PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS AT THE TIME GRADING COMMENCES BY FIELD VISIT AND INTERVIEW OF OWNER'S SITE SUPERINTENDENT.
- THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BID AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.
- EXTENT OF REPAIR TO THE EXISTING ROADWAY PAVEMENT AND STRUCTURE, SUCH AS 0.15' AC GRINDING AND OVERLAY SHALL BE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR OR HIS REPRESENTATIVE BASED FROM THE DAMAGE RESULTING FROM THE CONSTRUCTION OPERATIONS. PAVEMENT CONNECTION TO THE EXISTING SHOULD HAVE A SMOOTH RIDING CONNECTION.
- EXISTING PAVEMENT AND STRIPING ALONG MERIDIAN PARKWAY DAMAGED OR DULL DUE TO CONSTRUCTION TRAFFIC WITHIN THE UNIT 4 BOUNDARY LIMITS OF WORK SHALL BE REPAIRED AND OR REFRESHED AS DIRECTED BY THE M/JPA PUBLIC WORKS DIRECTOR.

SPECIAL NOTES: (CONT.)

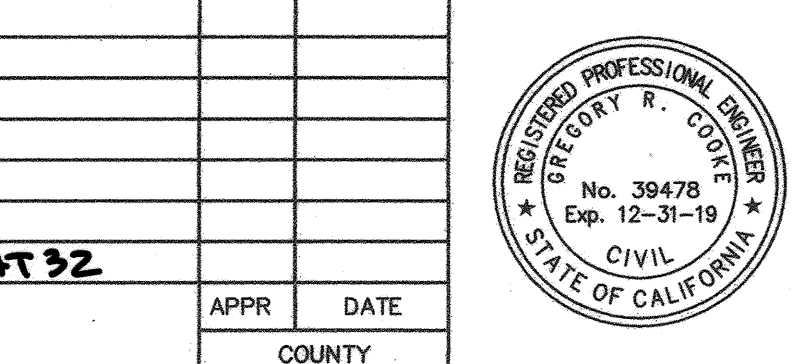
- EXISTING STORM DRAIN PIPES/CULVERTS (WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN THE PROJECT VICINITY) MUST BE REPAIRED, AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE M/JPA PUBLIC WORKS ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FINAL STREET PAVEMENT CAPPING.
- IN RESPECT FOR THE DEPARTED AND THEIR FAMILIES ALL ROADSIDE MEMORIALS LOCATED WITHIN THE RIGHT OF WAY AT THE TIME OF CONSTRUCTION SHALL BE RELOCATED BEHIND THE CURB LINE.

COUNTY OF RIVERSIDE GENERAL NOTES

- 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 THE 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 SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
PHONE: (951) 955-6790 FOR PERMIT CASES (C.U., P.P., OR VOLUNTARY), CABAZON AND AREA WEST
- THE DEVELOPER WILL INSTALL STREET NAME SIGNS CONFORMING TO COUNTY STANDARD NO.'S 1220, 1221 & 1222.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING STREET, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS AND STORM DRAINS.
- CURB DEPRESSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED ACCORDING TO COUNTY STANDARD NO. 206 AND/OR NO. 207A, AS DIRECTED IN THE FIELD.
- 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 FOR REVIEW AND APPROVAL BY PERMIT SECTION OR INSPECTION PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS SHALL BE TAKEN BY THE COUNTY AND/OR CONTRACTOR AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NO LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING. FOG SEAL AND PAINT BINDER SHALL BE APPLIED AT A RATE OF 0.05 AND 0.03 GALLON PER SQUARE YARD RESPECTIVELY. ASPHALTIC EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
- PRIME COAT IS REQUIRED PRIOR TO PAVING ON ALL GRADES IN EXCESS OF TEN PERCENT.
- INSTALL STREET TREES IN ACCORDANCE WITH ORDINANCE NO. 460 AND 499 AND PER APPROVED LANDSCAPE PLANS.
- STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED STREET LIGHTING PLAN.
- 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.
- ONLY LANDSCAPING CONSISTING OF GRASS AND PARKWAY TREES MAY BE INSTALLED WITHIN PARKWAYS ON LOCAL RESIDENTIAL STREETS WITHOUT SEPARATE PLANS. ALL OTHER TYPES OF LANDSCAPING IN THESE AREAS, AND ALL LANDSCAPING ON ALL OTHER STREETS, SHALL REQUIRE SEPARATE PLANS. ALL LANDSCAPING ENCROACHMENTS SHALL CONFORM TO RIVERSIDE COUNTY "STANDARDS RELATING TO THE ADMINISTRATION OF LANDSCAPE ENCROACHMENTS" DATES JUNE 1990.

GEOTECHNICAL REPORT

REPORT NO. 11227.001
DATE: 02-11-2016
BY: LEIGHTON CONSULTING, INC.



DRRC Engineering, Inc.
Civil Engineering / Land Surveying / Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
4/18/18
DATE

BENCHMARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1981" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70
SCALE:
H: AS SHOWN V: N/A

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

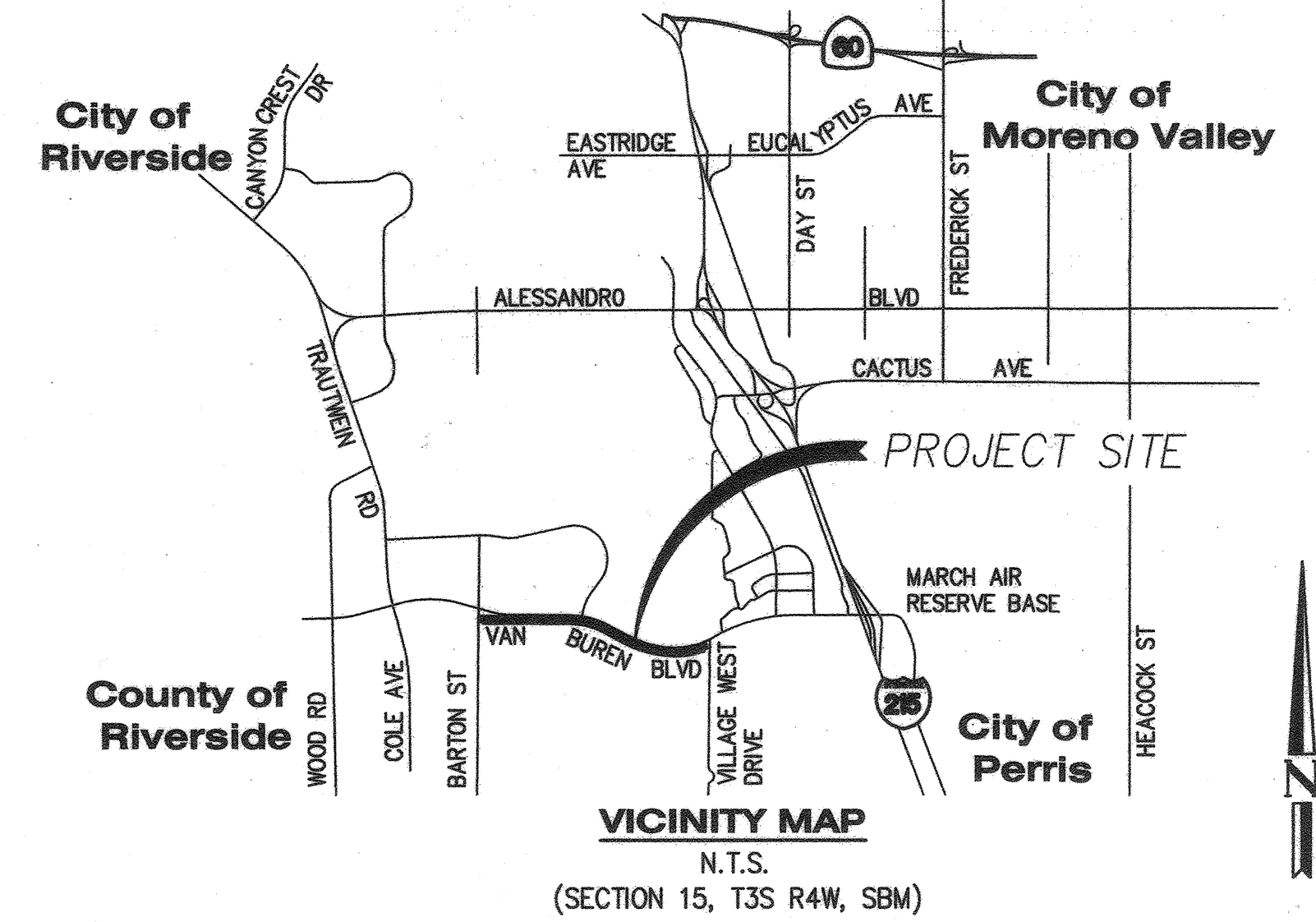
MS 4320 IP 170023

COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLAN
VAN BUREN BOULEVARD - PHASE III
TITLE SHEET

SHEET NO. 1 OF 32 SHEETS

COUNTY FILE NO. 905-NMM

COUNTY OF RIVERSIDE
M.S. NO. 4320
VAN BUREN BOULEVARD PHASE III
STREET IMPROVEMENT PLANS



COUNTY OF RIVERSIDE GENERAL NOTES (CONT.)

- ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE 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.
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNERS/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB). PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- PRIOR TO ANY CONSTRUCTION, THE DEVELOPER SHALL PROVIDE THE COUNTY A COPY OF THE NOI WITH A VALID WQID NUMBER.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING PLAN WITHIN THE PROJECT BOUNDARIES, UPON REQUEST OF THE DIRECTOR OF TRANSPORTATION OR HIS DESIGNEE TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.
- ALL STATIONING IS BASED ON THE PROPOSED CENTERLINE. THE EXISTING CENTERLINE IS SHOWN FOR REFERENCE ONLY.

REFERENCE PLANS:

- VAN BUREN BOULEVARD IMPROVEMENT PLANS, RCTD DWG. 901-JJ
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE II SEWER PLANS
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE II WATER PLANS
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE II RECYCLED WATER PLANS
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE III SEWER PLANS
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE III WATER PLANS
- WESTERN MUNICIPAL WATER DISTRICT VAN BUREN WIDENING PHASE III RECYCLED WATER PLANS
- VAN BUREN BOULEVARD PHASE II IMPROVEMENT PLANS
- VAN BUREN BOULEVARD PHASE II STREET LIGHTING PLANS
- VAN BUREN BOULEVARD PHASE II SIGNAL AND STRIPING PLANS
- VAN BUREN BOULEVARD PHASE III STREET LIGHTING PLANS
- VAN BUREN BOULEVARD PHASE III SIGNAL AND STRIPING PLANS

STANDARD DRAWINGS AND SPECIFICATIONS

- PRIMARY STANDARD:**
- COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, ROAD IMPROVEMENT STANDARDS & SPECIFICATIONS, FILED DECEMBER 20, 2007
- SUPPLEMENTAL STANDARDS:**
- CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) (2014 EDITION)
 - STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (2015 EDITION)
 - STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS (2015 EDITION)
 - CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE", (2014 EDITION)
 - RIVERSIDE COUNTY FLOOD CONTROL DISTRICT.

RIGHT OF WAY INFORMATION

FOR COMPLETE AND ACCURATE RIGHT OF WAY, EASEMENT AND ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT COUNTY OFFICE.

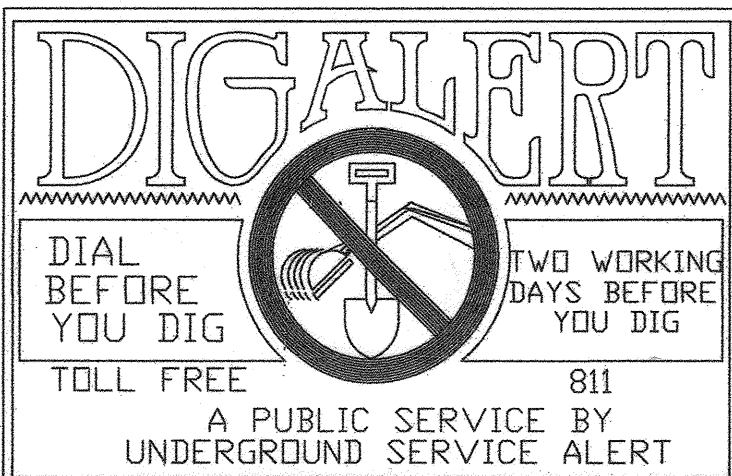
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET, COUNTY OF RIVERSIDE GENERAL NOTES
2	GENERAL NOTES, LEGEND, ABBREVIATIONS AND QUANTITIES
3	INDEX MAP
4	DETAIL SHEET
5-8	TYPICAL SECTIONS
9-13	EROSION CONTROL PLAN
14-17	DEMOLITION PLAN
18-26	PLAN AND PROFILE SHEETS
27-29	STANDARD DRAWINGS
30-31	SELF RETAINING AREA PLAN
32	DRIVEWAY APPROACH DETAILS & INTERSECTION PAVING EXHIBIT

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES SURVEYOR			
TRAFFIC DIVISION	LA	4-23-18	CITY ENGINEER
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO.	0138100	EXP DATE: 1-31-18	

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR.

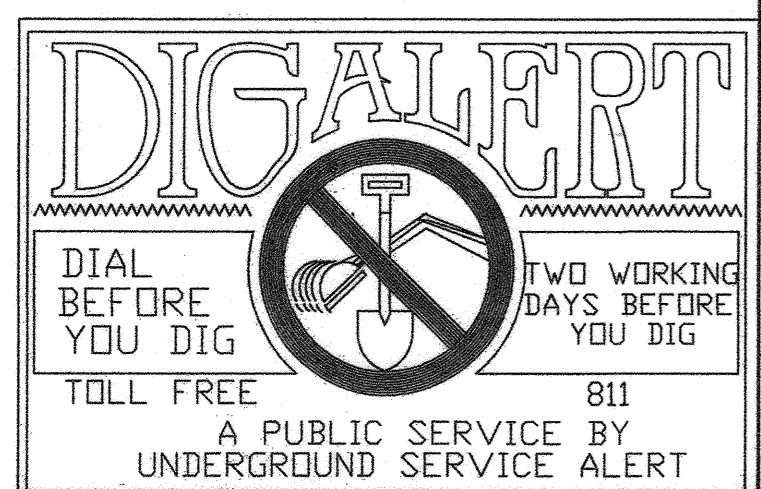


RECORD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER DATE SIGNED
35765 5-17-18

FILENAME: M:\017477-315 Lemis Riverside Meridian Van Buren PH 3\315\015 ST07_CSDWG.DWG; LAST SAVED ON: Apr 18 2018 7:55:58 PM; PLOTTED BY: JAE; ON: Apr 19 2018 3:17:06 PM

RECORD	COUNTY OVERSIGHT ENGINEER	REGISTRATION NUMBER	DATE SIGNED
	<i>William M. Cooke</i>	35165	5-17-18

APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

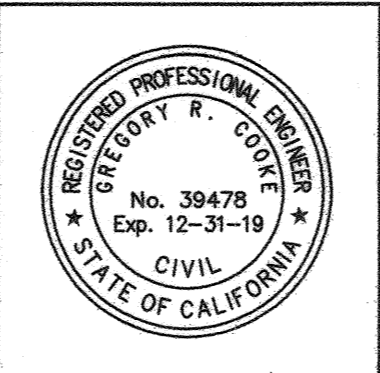
PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION		4-23-18	
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:	0138100	EXP DATE: 1-31-18	

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MARK	BY	DATE	REVISIONS	APPR	DATE

MARK	BY	DATE	REVISIONS	APPR	DATE



DRRC Engineering, Inc.
Civil Engineering / Land Surveying / Land Planning

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

GREGORY R. COOKE R.C.E. 39478

BENCHMARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION: 1532.70

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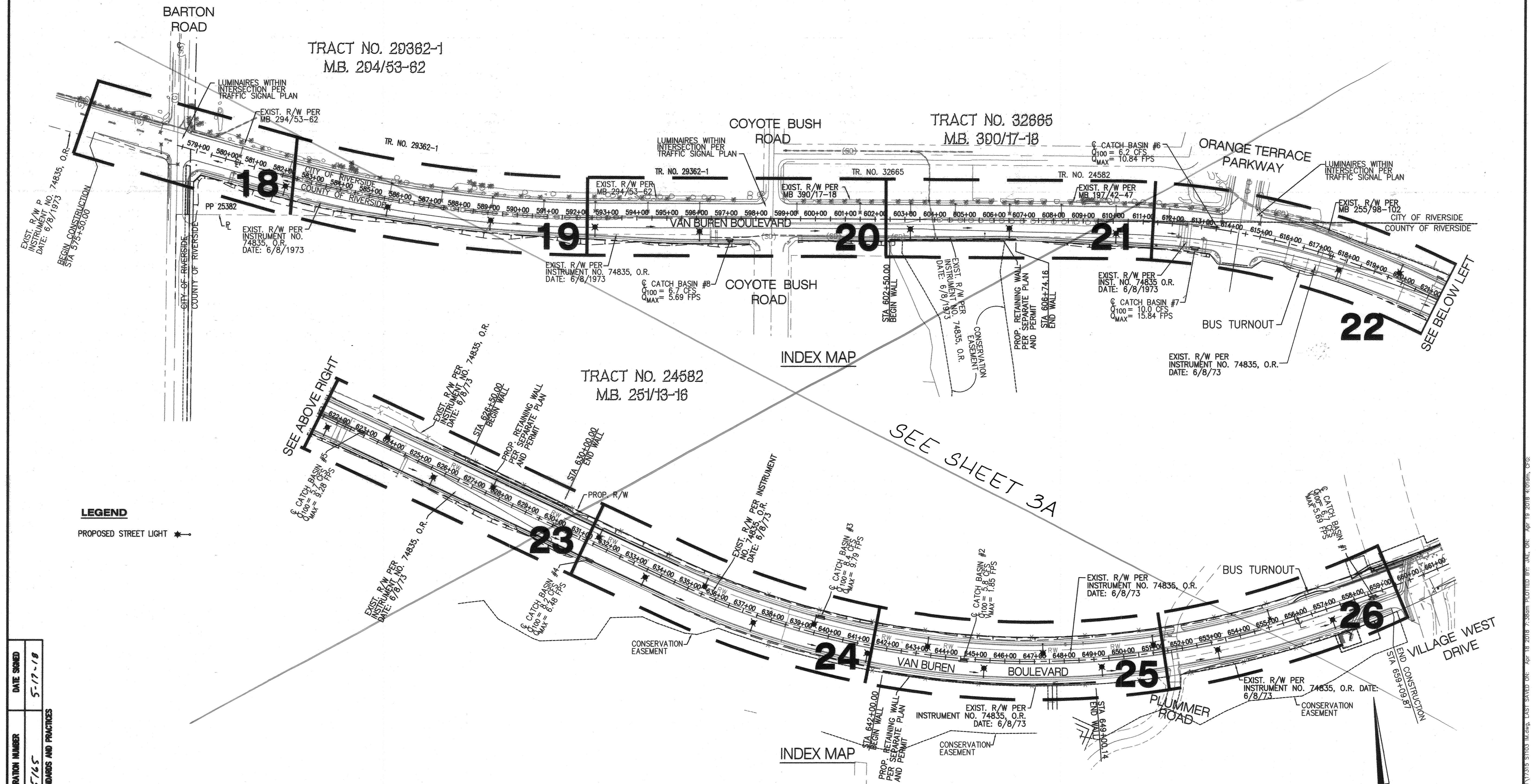
MS 4320 IP 170023

**COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS**

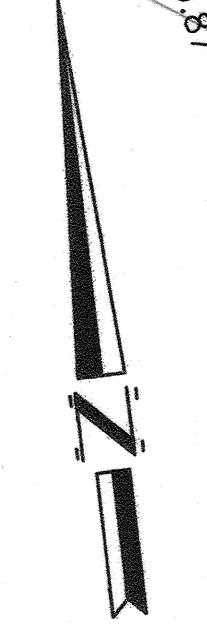
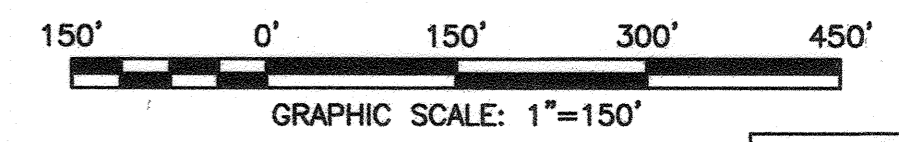
VAN BUREN BOULEVARD
INDEX MAP

FOR: W.O. COUNTY FILE NO. 965-NM

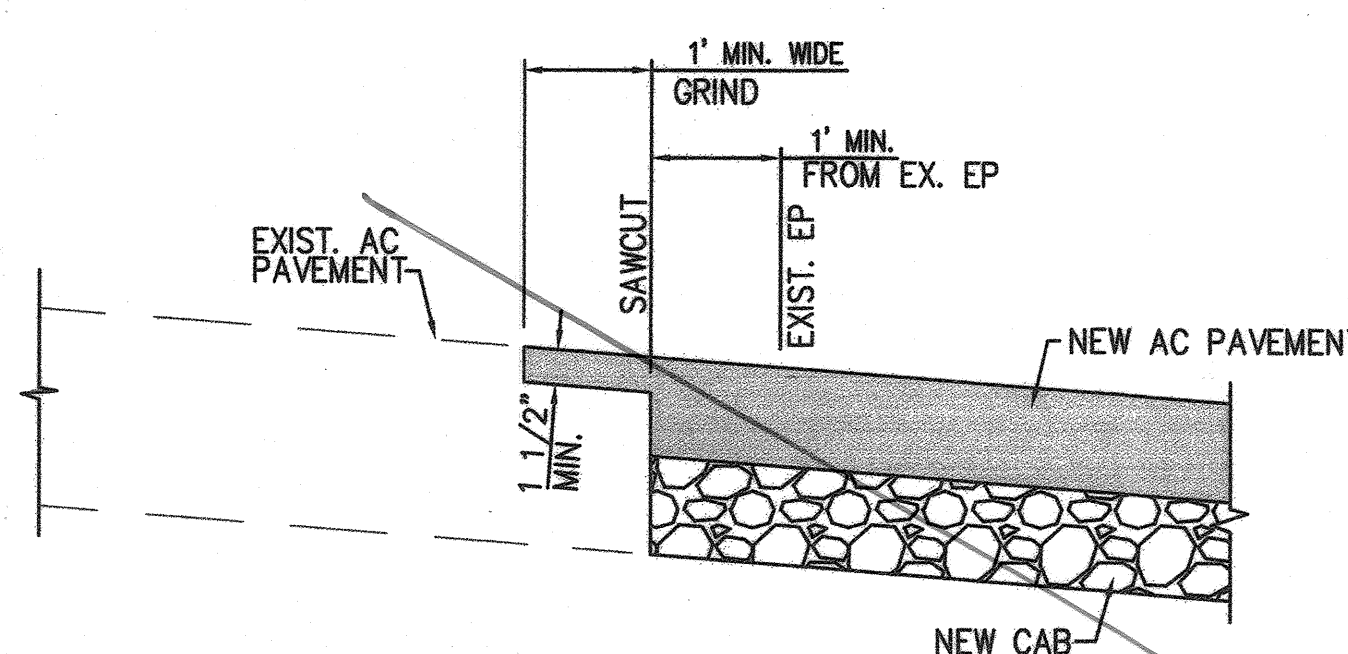
CITY OF RIVERSIDE	PW17-0337
	R-4413
SHEET NO.	3
OF 31 SHTS	



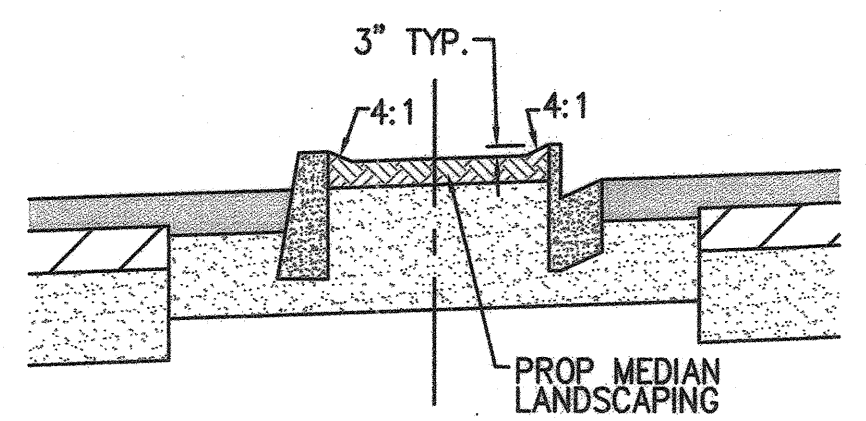
LEGEND
PROPOSED STREET LIGHT



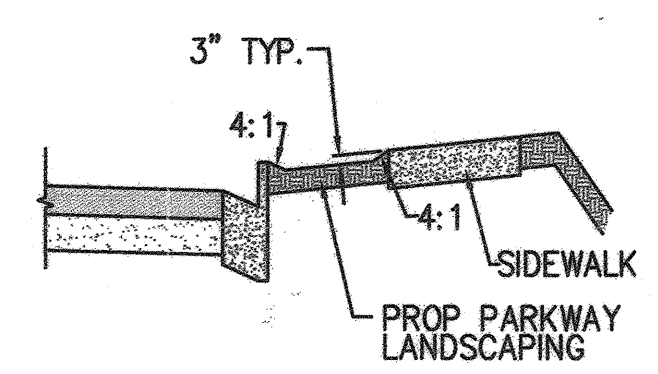
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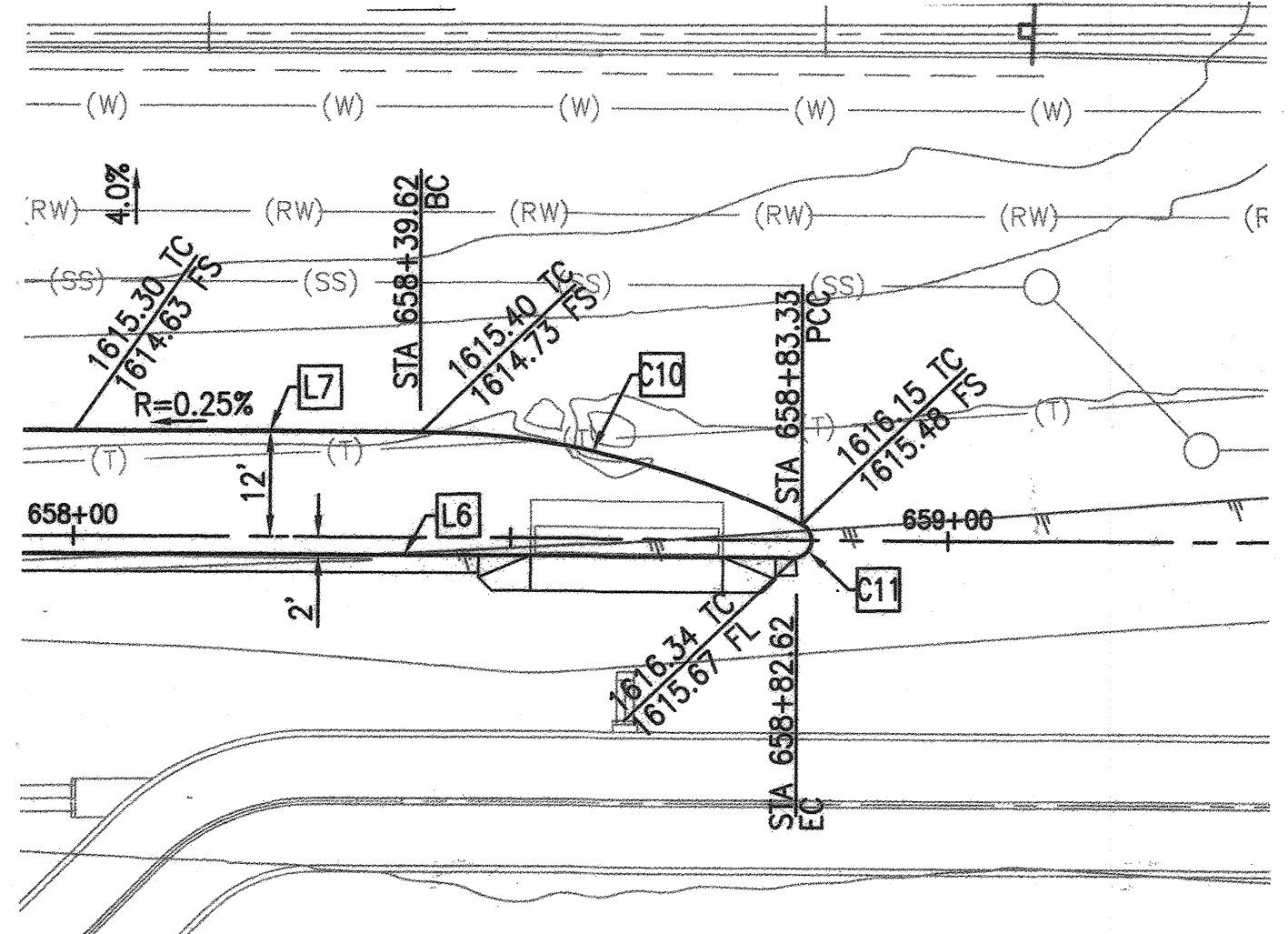
9 JOIN EXISTING PAVEMENT DETAIL
CITY OF RIVERSIDE
N.T.S.



24 MEDIAN LANDSCAPING DEPRESSION DETAIL
CITY OF RIVERSIDE
N.T.S.



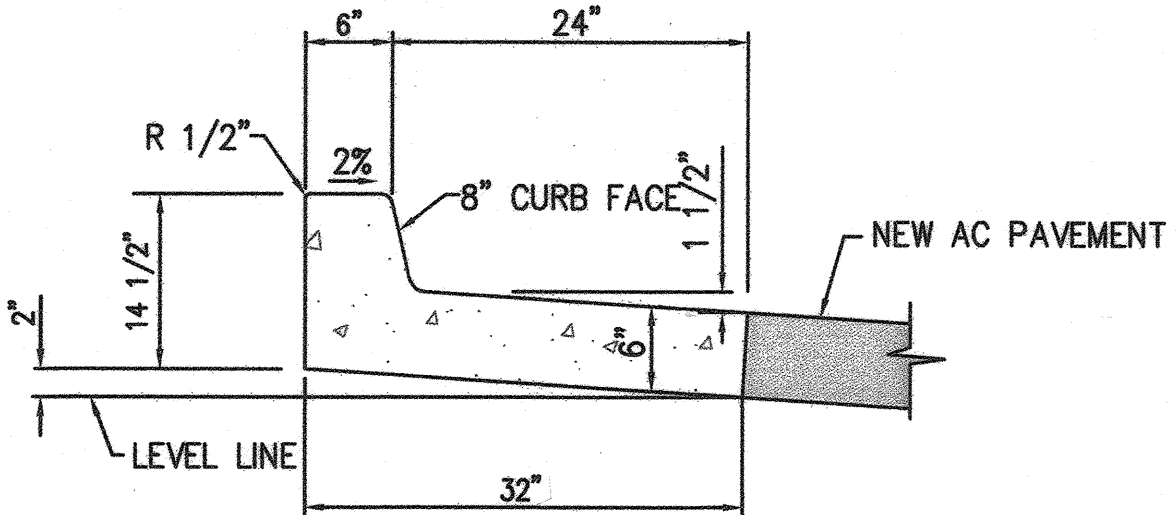
24 PARKWAY LANDSCAPING DEPRESSION DETAIL
CITY OF RIVERSIDE
N.T.S.



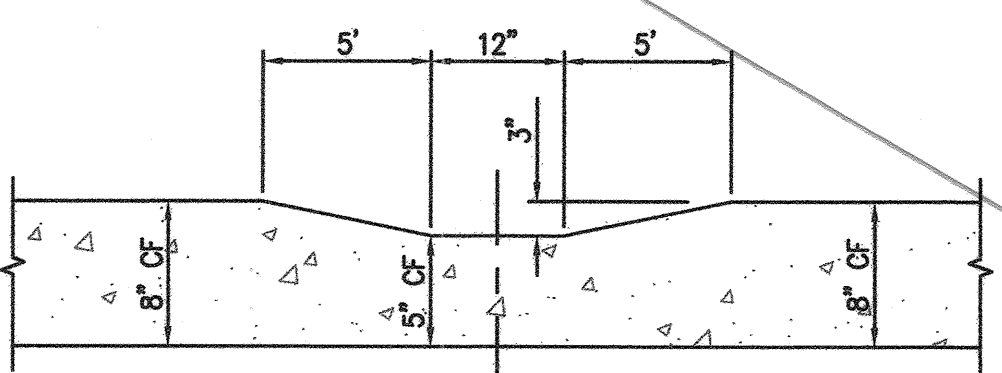
B MEDIAN WEST OF VILLAGE WEST DRIVE AND VAN BUREN BLVD INTERSECTION
STA. 658+00 - 659+10
SCALE: 1" = 20'



15 "NO DUMPING-DRAINS TO OCEAN" SYMBOL



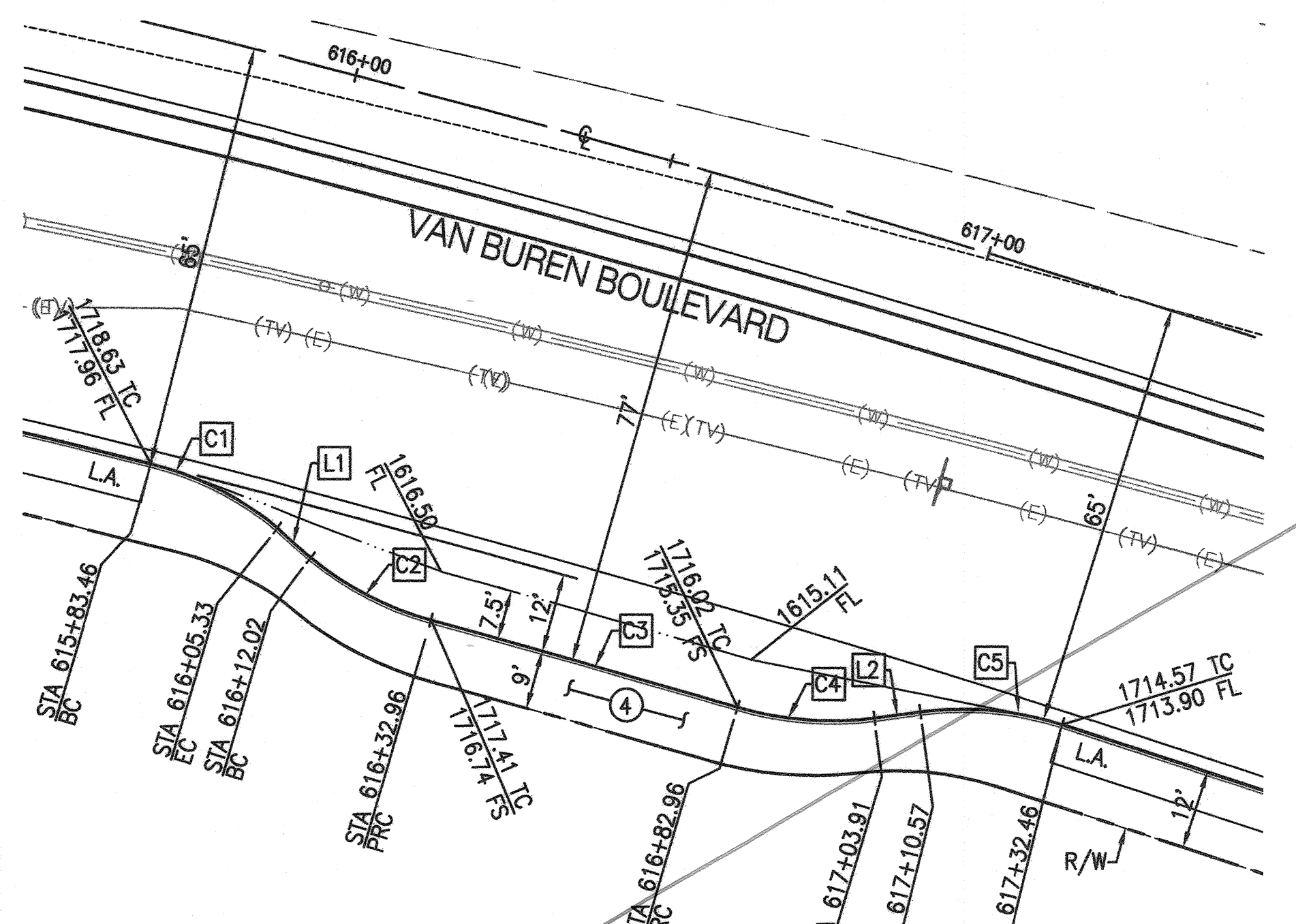
21 TYPE I CURB MODIFIED DETAIL
CITY OF RIVERSIDE
N.T.S.



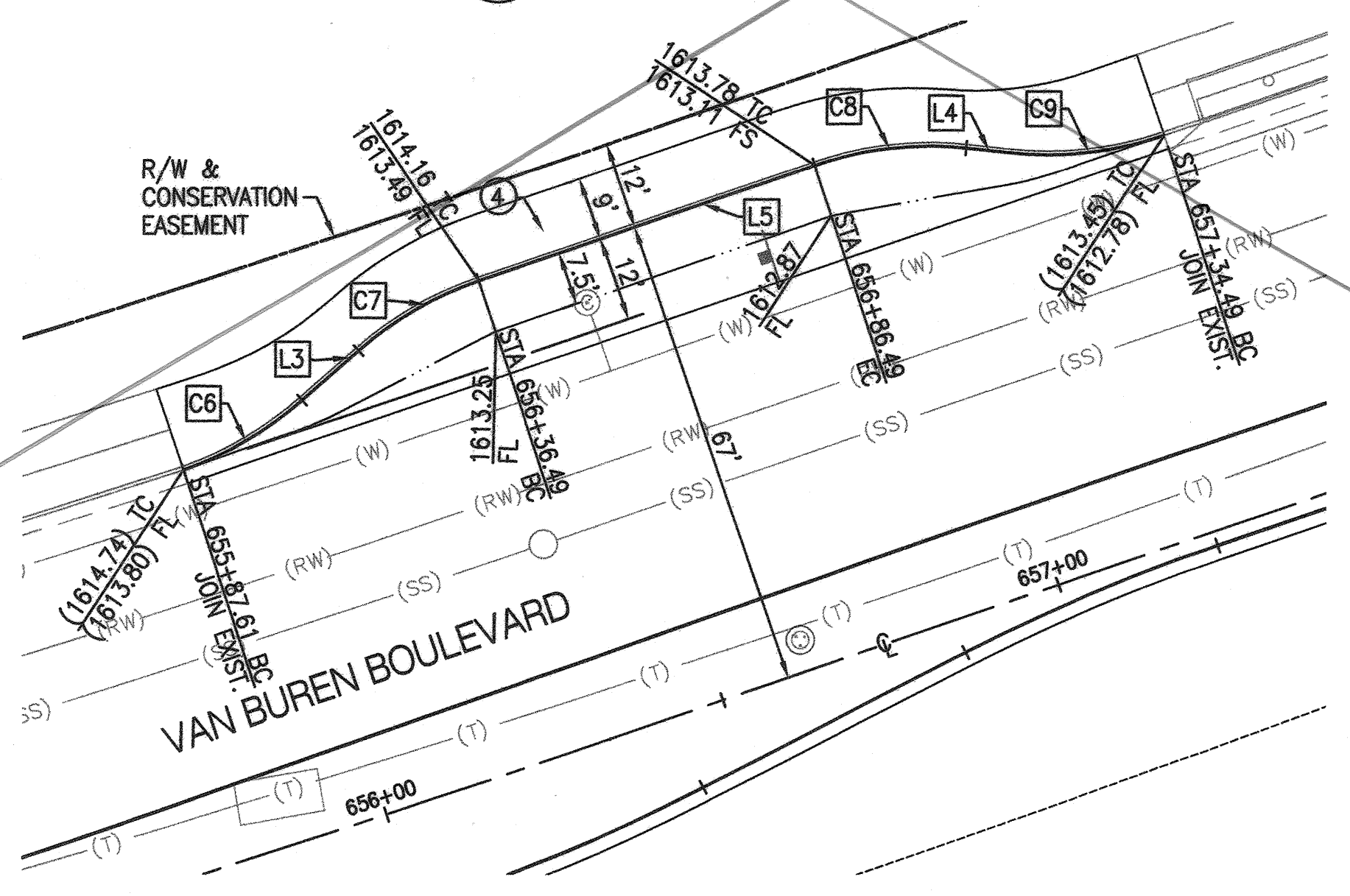
25 CURB & GUTTER DRAINAGE DEPRESSION DETAIL
CITY OF RIVERSIDE
N.T.S.

Curve Table				
Curve #	Length	Radius	Delta	Tangent
C1	21.94'	50.00'	25°08'10"	11.15'
C2	20.90'	50.00'	23°57'16"	10.61'
C3	48.40'	2323.00'	1°11'37"	24.20'
C4	20.92'	50.00'	23°58'24"	10.62'
C5	21.95'	50.00'	25°09'18"	11.16'
C6	19.64'	50.00'	22°30'05"	9.95'
C7	19.64'	50.00'	22°30'04"	9.95'
C8	21.68'	50.00'	24°50'44"	11.01'
C9	21.68'	50.00'	24°50'45"	11.01'
C10	44.10'	100.00'	25°16'03"	22.41'
C11	5.40'	2.00'	154°33'49"	8.86'

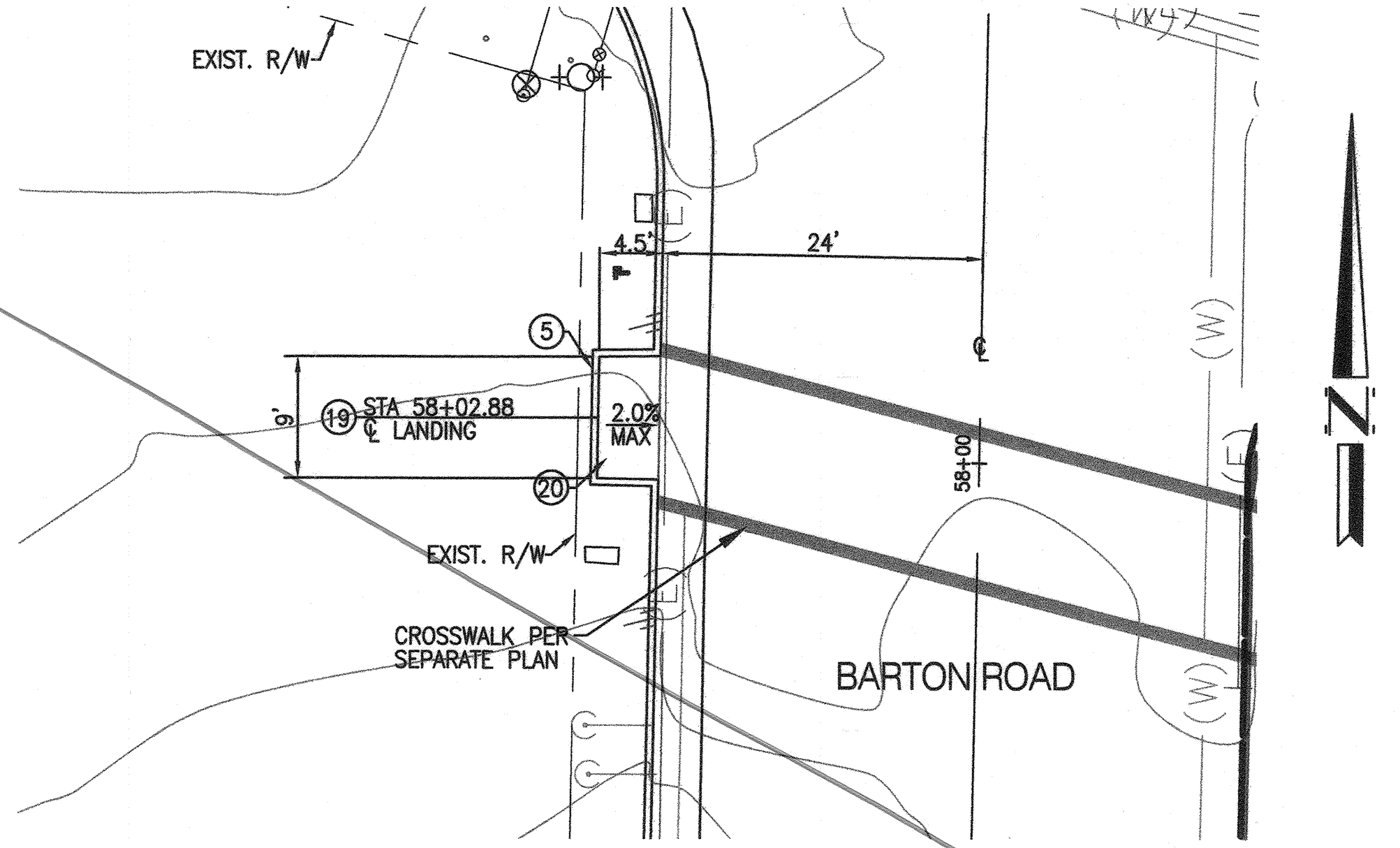
Line Table		
Line #	Length	Direction
L1	7.14'	S50°54'36"E
L2	7.11'	S82°21'21"E
L3	10.53'	N48°32'11"E
L4	6.53'	S84°07'01"E
L5	50.00'	N71°02'15"E
L6	79.62'	N71°02'15"E
L7	139.81'	N71°02'15"E



A BUS TURNOUT DETAIL
PER RIVERSIDE COUNTY STANDARD NO. 814
SCALE: 1" = 20'



C BUS TURNOUT DETAIL
PER RIVERSIDE COUNTY STANDARD NO. 814
SCALE: 1" = 20'



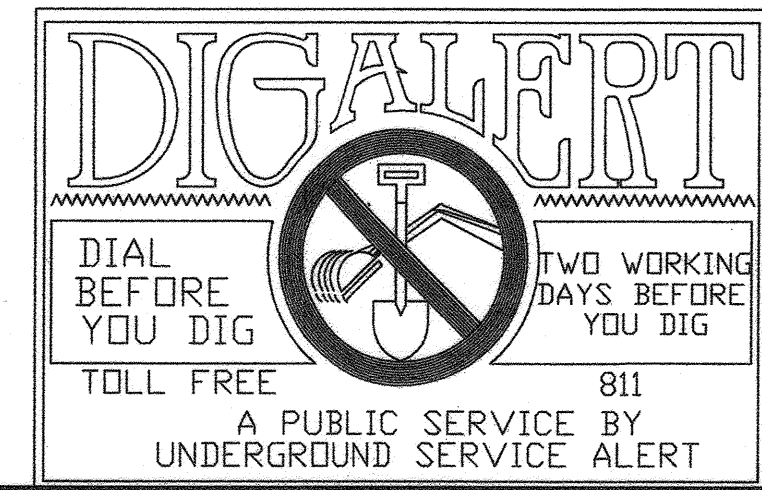
19 PEDESTRIAN PAD DETAIL
SCALE: 1" = 10'

RECORD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER 35165 DATE SIGNED 5-17-18 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION			
PARKS DEPARTMENT		DATE	

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100 EXP DATE: 1-31-18
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dborc Engineering, Inc.
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GREGORY R. COOKE R.C.E. 39478 DATE 4/18/18

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ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
VAN BUREN BOULEVARD - PHASE III
DETAIL SHEET

CITY OF RIVERSIDE PW17-0337 R-4413 SHEET NO. 4 OF 31 SHTS

COUNTY FILE NO. 965-MM

RECORD COUNTY OVERSIGHT ENGINEER DATE SIGNED 5-17-18
 REGISTRATION NUMBER 35165
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



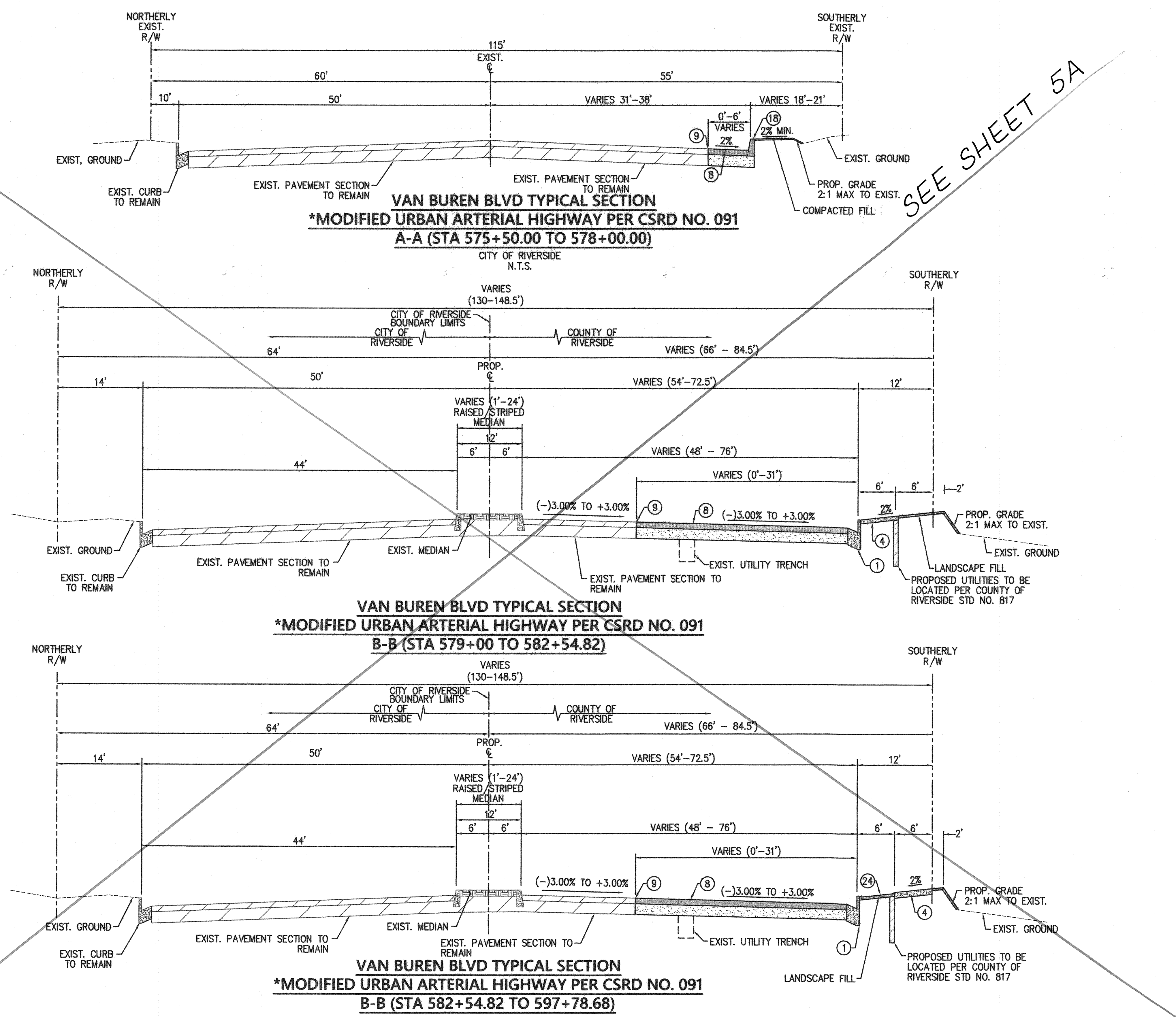
**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION	<i>[Signature]</i>	4-23-18	
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100		EXP DATE: 1-31-18	

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREIN. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.

MARK	BY	DATE	REVISIONS	APPR	DATE
	ENGINEER				



SEE SHEET 5A

- CONSTRUCTION NOTES:**
(BY CONTRACTOR)
- CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (6" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
 - CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
 - CONSTRUCT AC BERM, TYPE I, (6" CF) PER CITY OF RIVERSIDE STD DWG NO. 250 MODIFIED WITH 1' OPENINGS 10' O.C. FOR DRAINAGE
 - DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4

BASED ON THE SOILS ENGINEER RECOMMENDATION:
 R VALUE = 10
 TI = 10
 AC = 0.5 FEET
 AB = 1.8 FEET

* NOTE:
 URBAN ARTERIAL HIGHWAY SECTION HAS BEEN MODIFIED DUE TO CONSERVATION EASEMENT RESTRICTIONS

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

CITY OF RIVERSIDE
 PW17-0337
 R-4413
 SHEET NO. 5
 OF 31 SHTS

dORC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

REGISTRED PROFESSIONAL ENGINEER
 GREGORY R. COOKE
 No. 39478
 Exp. 12-31-19
 CIVIL
 STATE OF CALIFORNIA

4/18/18
 DATE

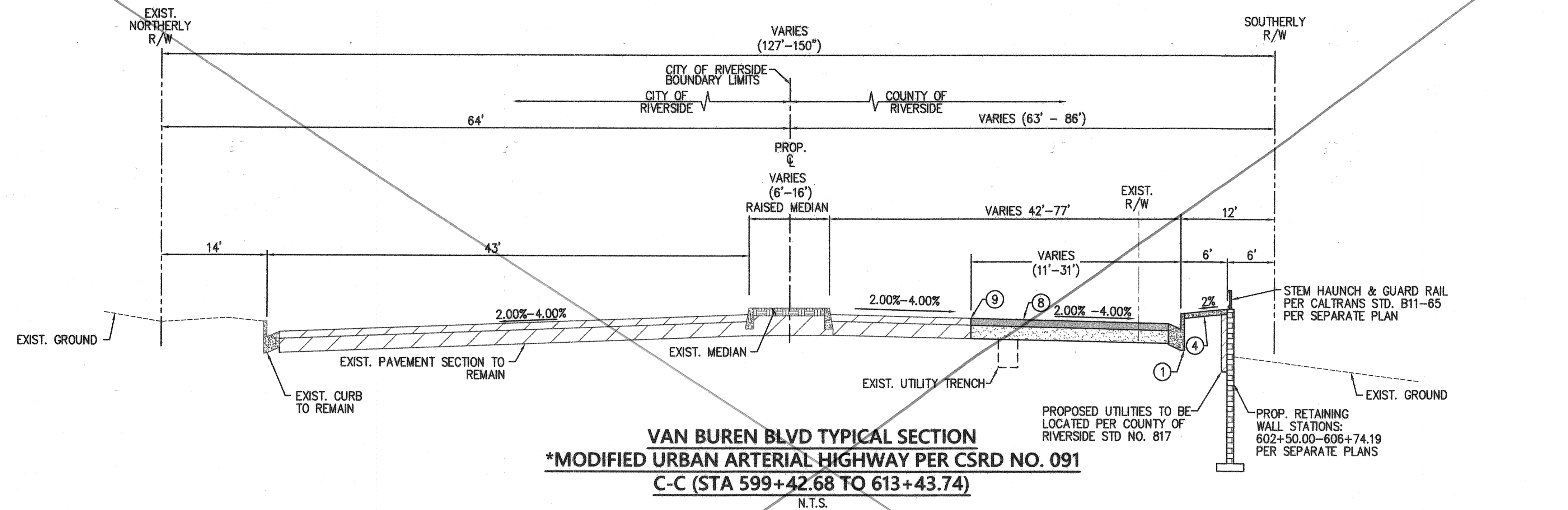
BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

MS 4320 IP 170023

**COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS**
 VAN BUREN BOULEVARD - PHASE III
 TYPICAL CROSS SECTIONS

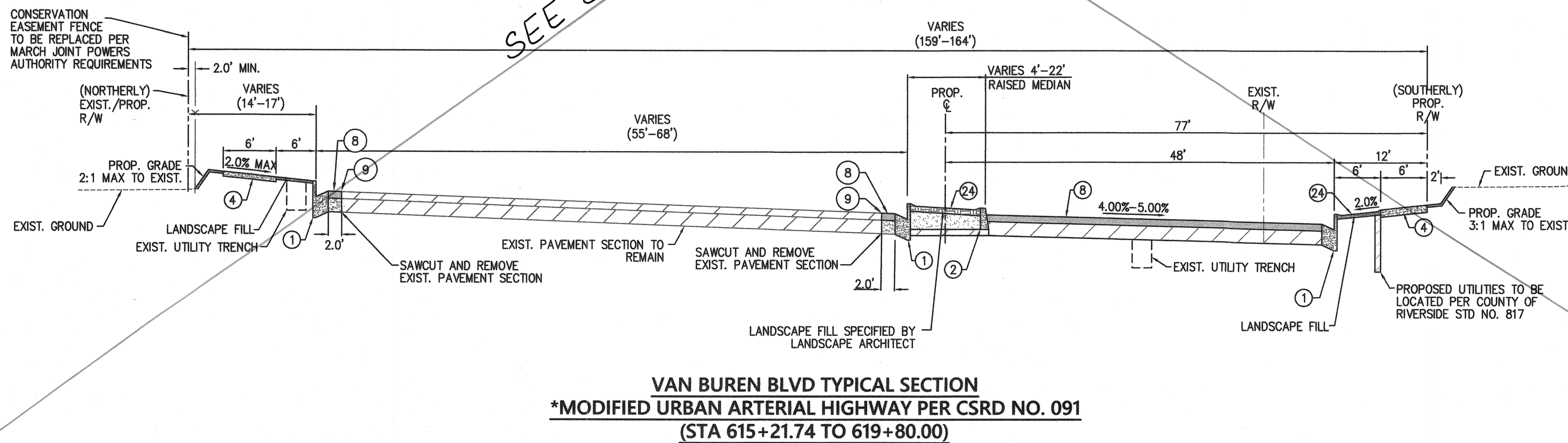
FOR: W.O. COUNTY FILE NO. 965-MM

- CONSTRUCTION NOTES:**
(BY CONTRACTOR)
- ① CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - ② CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
 - ④ CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO's. 400 & 401
 - ⑧ CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - ⑨ JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
 - ⑳ DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4



BASED ON THE SOILS ENGINEER RECOMMENDATION:
R VALUE = 10
TI = 10
AC = 0.5 FEET
AB = 1.8 FEET

* NOTE:
URBAN ARTERIAL HIGHWAY SECTION HAS BEEN MODIFIED DUE TO CONSERVATION EASEMENT RESTRICTIONS

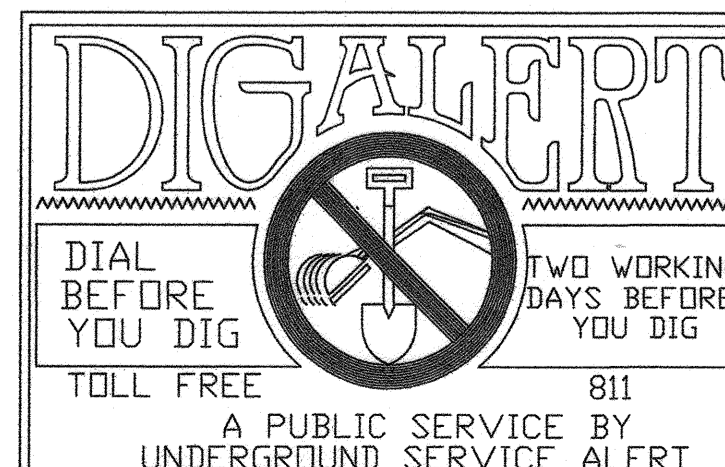


SEE SHEET 6A

RECORD COUNTY OVERSIGHT ENGINEER DATE SIGNED 5-17-18
REGISTRATION NUMBER 35765
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

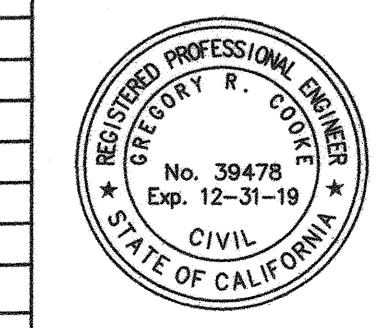
PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION		4-23-18	
PARKS DEPARTMENT		DATE 4-27-18	
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100		EXP DATE: 1-31-18	



NOTE:
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MARK	BY	DATE	APPR	DATE



DRRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

GREGORY R. COOKE R.C.E. 39478 DATE 4/18/18

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

BENCHMARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "2 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70
SCALE: H: AS SHOWN V: N/A

CITY OF RIVERSIDE PW17-0337 R-4413	MS 4320 IP 170023	SHEET NO. 6
COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS		
VAN BUREN BOULEVARD - PHASE III TYPICAL CROSS SECTIONS		
FOR:	W.O.	COUNTY FILE NO. 965-MM

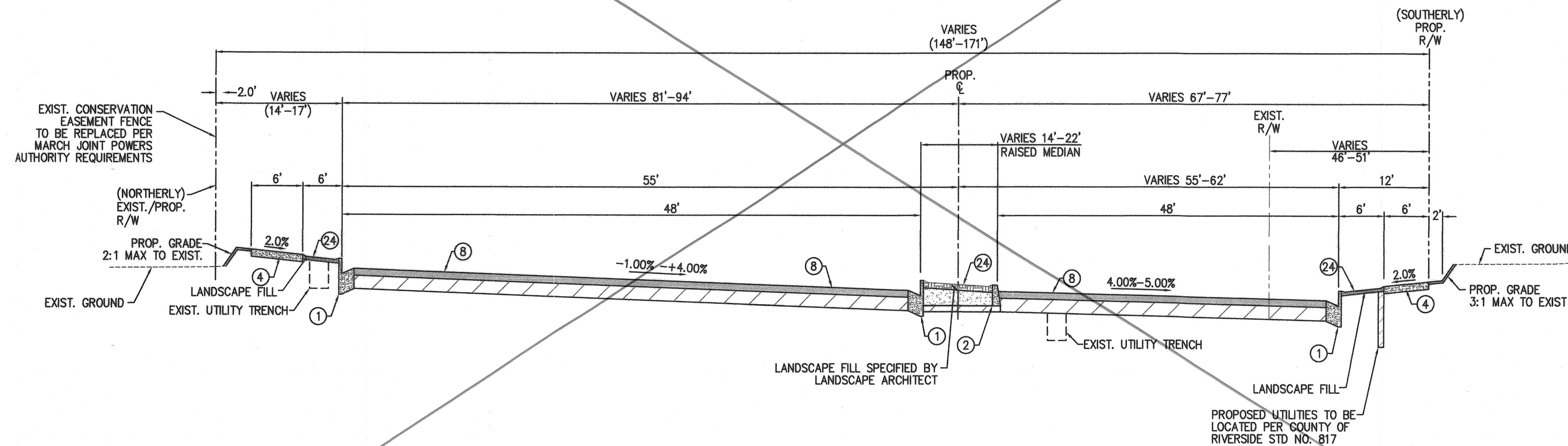
FILE NAME: H:\2017\2018\17-0337\17-0337.dwg PLOT DATE: 4/18/18 10:00 AM PLOT BY: GRC

CONSTRUCTION NOTES:

(BY CONTRACTOR)

- ① CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
- ② CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
- ④ CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO's. 400 & 401
- ⑧ CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
- ⑨ JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
- ⑳ DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4

SEE SHEET 7A



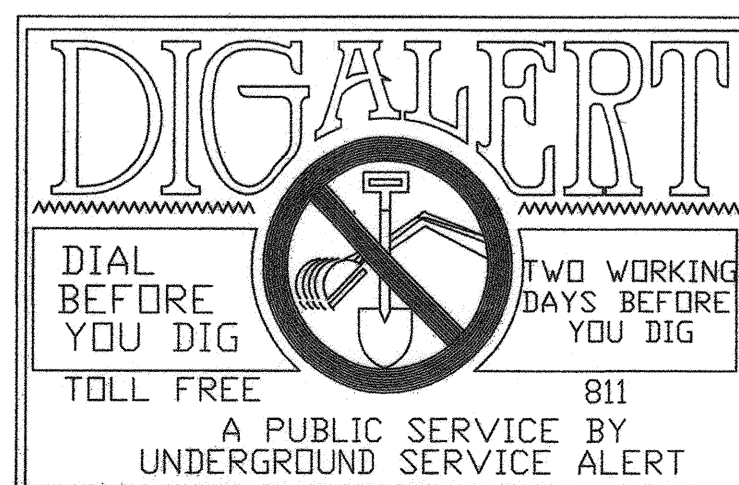
BASED ON THE SOILS ENGINEER RECOMMENDATION:
 R VALUE = 10
 TI = 10
 AC = 0.5 FEET
 AB = 1.8 FEET

* NOTE:
 URBAN ARTERIAL HIGHWAY SECTION HAS BEEN MODIFIED
 DUE TO CONSERVATION EASEMENT RESTRICTIONS

VAN BUREN BLVD TYPICAL SECTION
***MODIFIED URBAN ARTERIAL HIGHWAY PER CSRD NO. 091**
(STA 619+80 TO 632+50.00)
 N.T.S.

REC'D	COUNTY OVERSIGHT ENGINEER	REGISTRATION NUMBER	DATE SIGNED
		35765	5-17-18

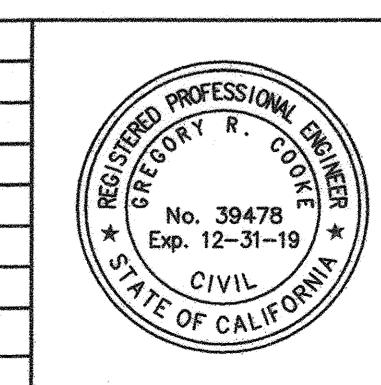
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



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MARK	BY	DATE	REVISIONS	APPR	DATE



DRRC Engineering, Inc.
 Civil Engineering / Land Surveying / Land Planning

160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

GREGORY R. COOKE R.C.E. 39478

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: AS SHOWN V. N/A

MS 4320 IP 170023

COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD - PHASE III
 TYPICAL CROSS SECTIONS

SHEET NO.	7
of 31 SHTS	

965-MM

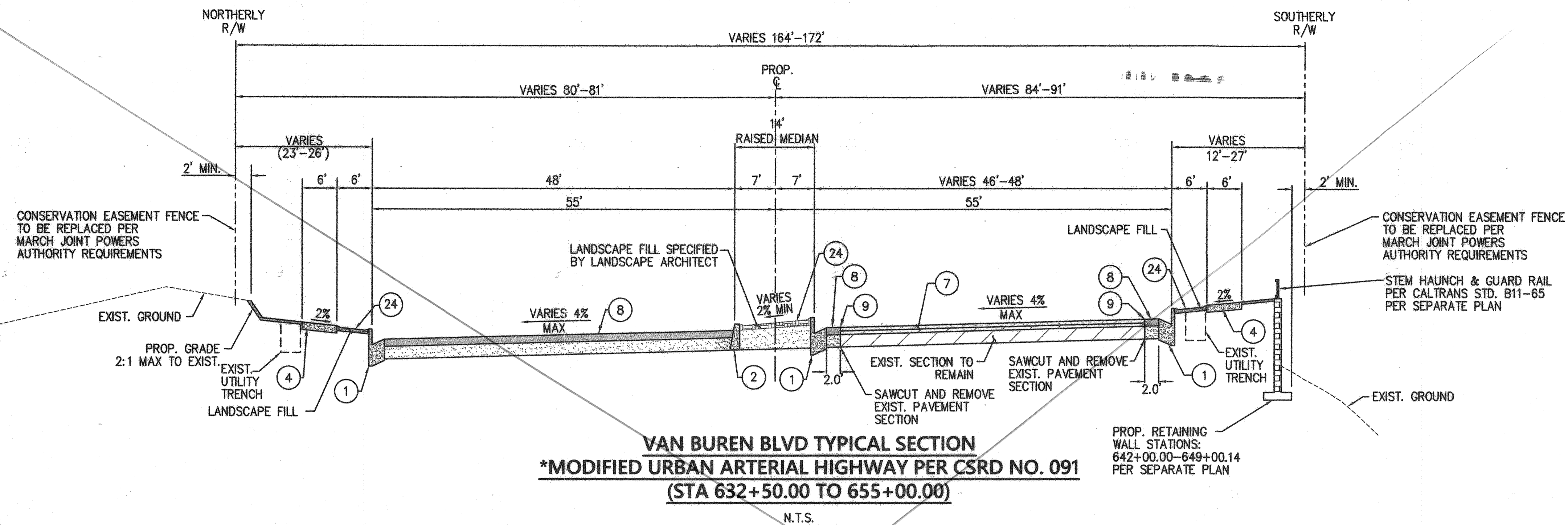
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

FILED IN: 2017-05-15 Lewis Riverside Meridian Van Buren Ph 35765 5107 XSDWG; LAST SAVED ON: Apr 18 2018 7:58am PLOTTED BY: JAE; ON: Apr 19 2018 4:11pm, CPG

CONSTRUCTION NOTES:

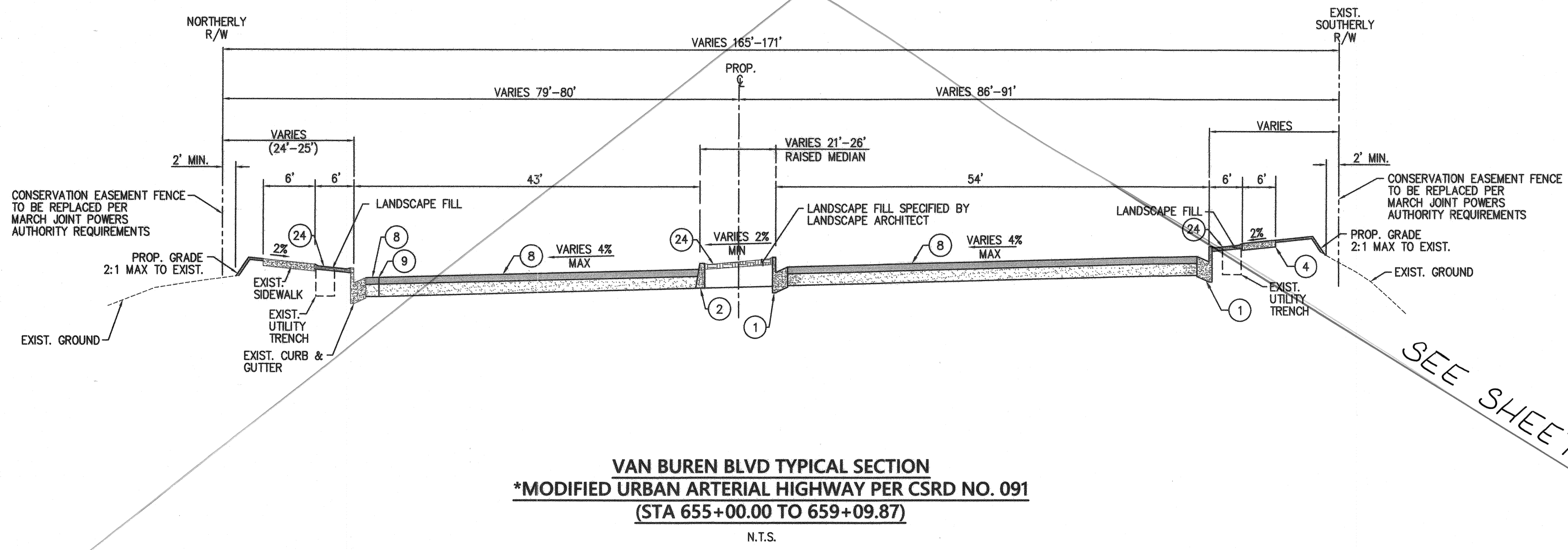
(BY CONTRACTOR)

- ① CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
- ② CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
- ④ CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
- ⑦ COLD MILL AS REQUIRED TO CONSTRUCT 1 1/2" MIN. OVERLAY
- ⑧ CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
- ⑨ JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
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VAN BUREN BLVD TYPICAL SECTION
***MODIFIED URBAN ARTERIAL HIGHWAY PER CSRD NO. 091**
(STA 632+50.00 TO 655+00.00)
 N.T.S.

BASED ON THE SOILS ENGINEER RECOMMENDATION:
 R VALUE = 10
 TI = 10
 AC = 0.5 FEET
 AB = 1.8 FEET

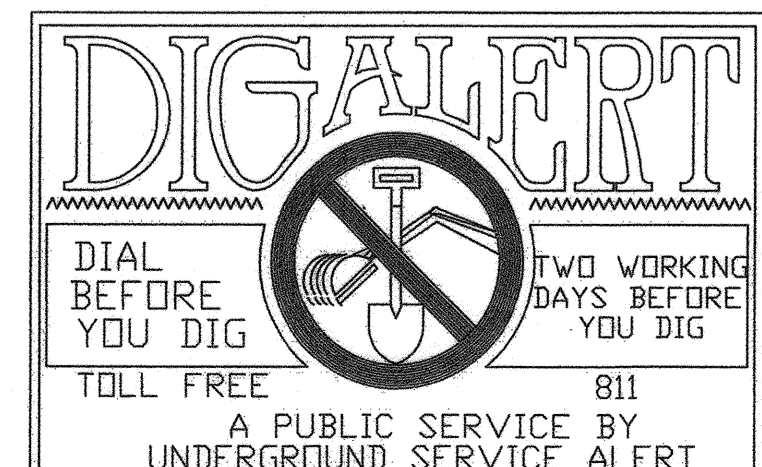


VAN BUREN BLVD TYPICAL SECTION
***MODIFIED URBAN ARTERIAL HIGHWAY PER CSRD NO. 091**
(STA 655+00.00 TO 659+09.87)
 N.T.S.

* NOTE:
 URBAN ARTERIAL HIGHWAY SECTION HAS BEEN MODIFIED
 DUE TO CONSERVATION EASEMENT RESTRICTIONS

SEE SHEET 8A

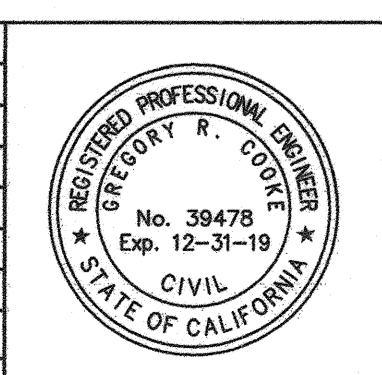
REC'D	COUNTY OVERSIGHT ENGINEER	REGISTRATION NUMBER	DATE SIGNED
	<i>M. M. M.</i>	35165	5-17-18



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MARK	BY	DATE	REVISIONS	APPR	DATE



dprc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

4/18/18
 GREGORY R. COOKE R.C.E. 39478

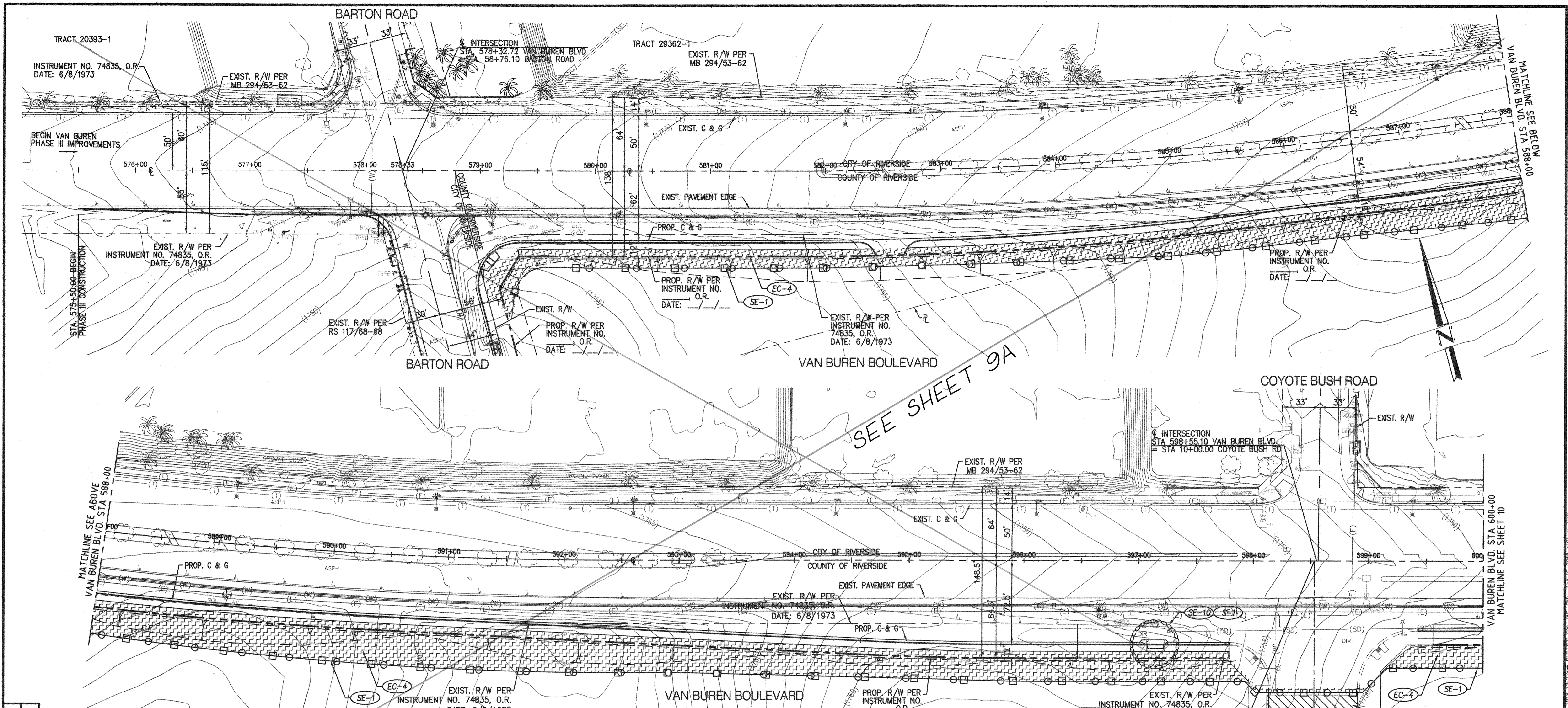
BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H: AS SHOWN V: N/A

MS 4320 IP 170023
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD - PHASE III
 TYPICAL CROSS SECTIONS

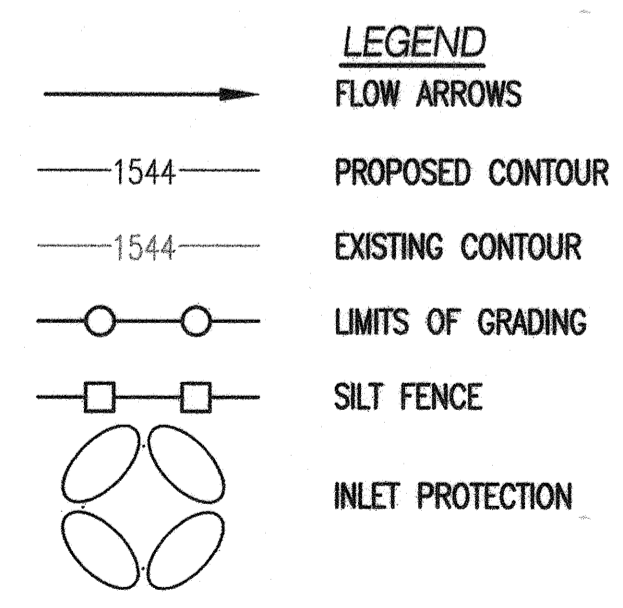
SHEET NO. 8
 OF 31 SHTS
 COUNTY FILE NO. 9165-MM

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

REVISION: W: 2017-11-30 Lewis Invertebrate Meridian Van Buren Ph. 2/20/17/515 5108 X.dwg, LAST SAVED ON: Apr 18 2018 7:59am PLOTTED BY: JUE, ON: Apr 19 2018 4:16pm, DSC



REC'D COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			
TRAFFIC DIVISION			
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:	0138100	EXP DATE: 1-31-18	

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EROSION & SEDIMENT CONTROL BMPs (PER CASQA HANDBOOK)

- EC-1 SCHEDULING PER BMP EC-1
- EC-4 HYDROSEEDING
- SE-1 INSTALL SILT FENCE PER BMP SE-1
- SE-5 FIBER ROLLS PER BMP SE-5
- SE-6 INSTALL GRAVEL BAGS 2 COURSES HIGH PER BMP SE-6
- SE-7 STREET SWEEPING AND VACUUMING PER BMP SE-7
- SE-10 STORM DRAIN INLET PROTECTION PER BMP SE-10
- TC-1 INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT PER BMP TC-1 (TYPE 2 WITH SHAKER PLATES)
- WE-1 WIND EROSION CONTROL PER BMP WE-1

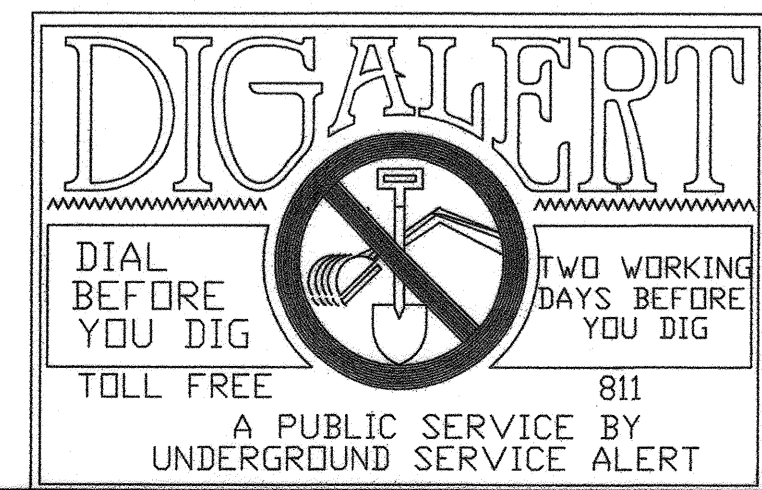
NON-STORM WATER BMPs (PER CASQA HANDBOOK)

- NS-1 WATER CONSERVATION PRACTICES PER BMP NS-1
- NS-3 PAVING AND GRINDING OPERATIONS PER BMP NS-3
- NS-6 ILLICIT CONNECTION/DISCHARGE PER BMP NS-6
- NS-7 POTABLE WATER/IRRIGATION PER BMP NS-7
- NS-12 CONCRETE CURING PER BMP NS-12
- NS-13 CONCRETE FINISHING PER BMP NS-13
- WM-1 MATERIAL AND DELIVERY STORAGE PER BMP WM-1
- WM-2 MATERIAL USE PER BMP WM-2
- WM-3 STOCK PILE MANAGEMENT PER BMP WM-3
- WM-4 SPILL PREVENTION & CONTROL PER BMP WM-4

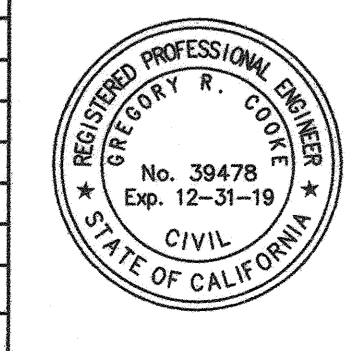
- WM-5 SOLID WASTE MANAGEMENT PER BMP WM-5
- WM-6 HAZARDOUS WASTE MANAGEMENT PER BMP WM-6
- WM-8 CONCRETE WASTE MANAGEMENT PER BMP WM-8
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT PER BMP WM-9
- WM-10 LIQUID WASTE MANAGEMENT PER BMP WM-10

POST CONSTRUCTION TREATMENT BMPs

- S-1 STORM DRAIN MESSAGE & SIGNAGE



MARK	BY	DATE	REVISIONS	APPR	DATE

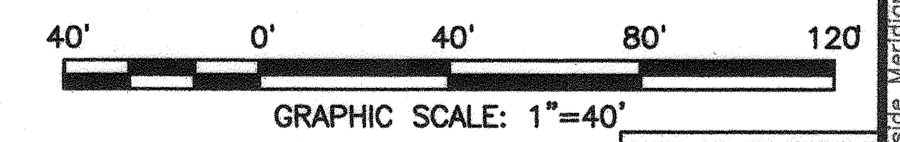


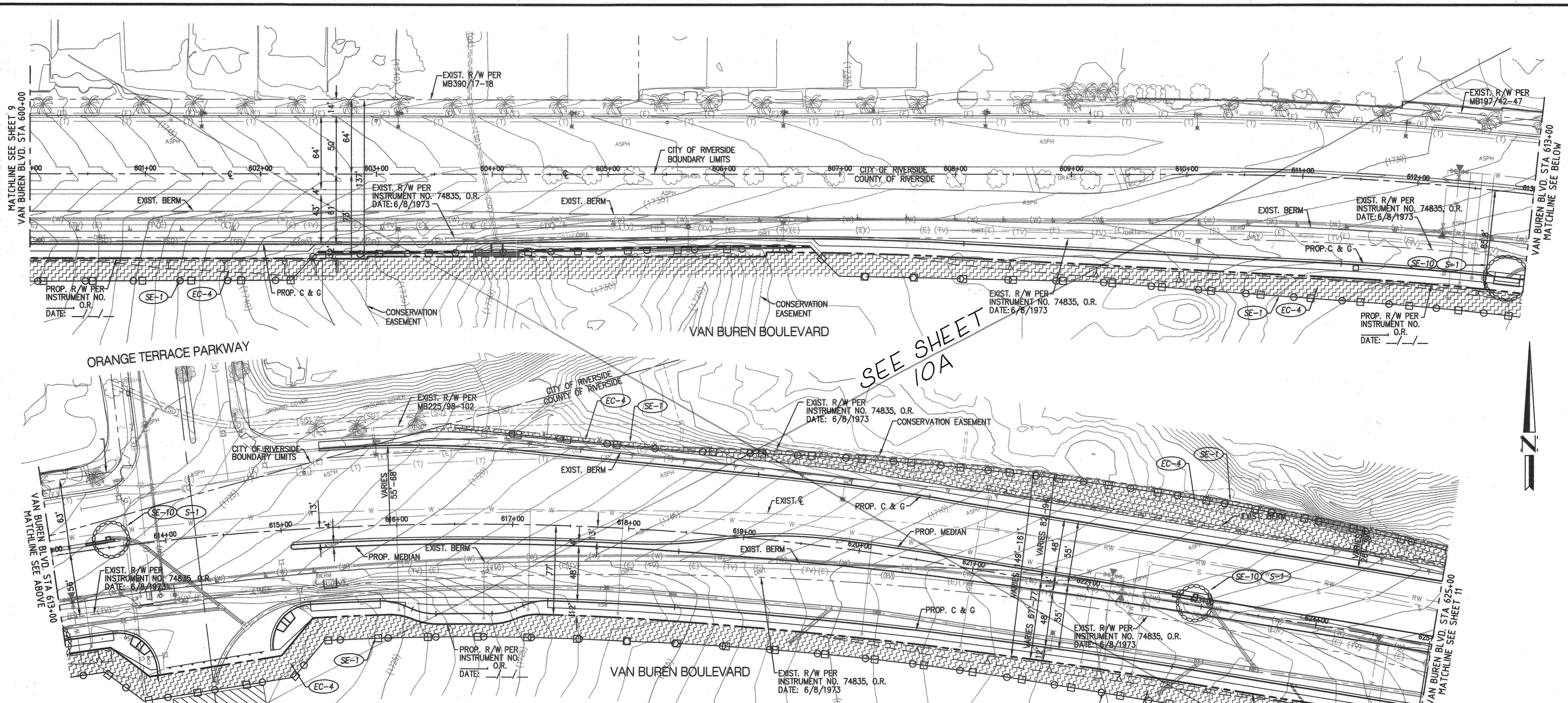
dorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 DATE: 4/18/18
 GREGORY R. COOKE R.C.E. 39478

BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION: 1532.70
 SCALE: H: AS SHOWN V: N/A

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE
 EROSION CONTROL PLAN
 SHEET NO. 9
 OF 31 SHEETS
 COUNTY FILE NO. 965-MM





DATE SIGNED 5-17-18
REGISTRATION NUMBER 35165
COUNTY OVERSIGHT ENGINEER [Signature]
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

LEGEND

- FLOW ARROWS
- 1544— PROPOSED CONTOUR
- 1544— EXISTING CONTOUR
- LIMITS OF GRADING
- SILT FENCE
- INLET PROTECTION
- [Hatched] HYDROSEEDING
- [Diagonal Lines] CONSTRUCTION ENTRANCE
- [Cross-hatched] EQUIPMENT & STORAGE AREA (WM-1); MATERIAL LOADING/UNLOADING & STORAGE AREA (BMP WM-1, WM-2, & WM-3); WASTE STORAGE AREA (BMP WM-5, WM-6, WM-8, WM-9, & WM-10)

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			[Signature]
STREET SERVICES			CITY ENGINEER
SURVEYOR			
TRAFFIC DIVISION		4-23-18	DATE 4-27-18
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO. 0138100		EXP DATE: 1-31-18	

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- EROSION & SEDIMENT CONTROL BMPs (PER CASQA HANDBOOK)**
- EC-1 SCHEDULING PER BMP EC-1
 - EC-4 HYDROSEEDING
 - SE-1 INSTALL SILT FENCE PER BMP SE-1
 - SE-5 FIBER ROLLS PER BMP SE-5
 - SE-6 INSTALL GRAVEL BAGS 2 COURSES HIGH PER BMP SE-6
 - SE-7 STREET SWEEPING AND VACUUMING PER BMP SE-7
 - SE-10 STORM DRAIN INLET PROTECTION PER BMP SE-10
 - TC-1 INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT PER BMP TC-1 (TYPE 2 WITH SHAKER PLATES)
 - WE-1 WIND EROSION CONTROL PER BMP WE-1

- NON-STORM WATER BMPs (PER CASQA HANDBOOK)**
- NS-1 WATER CONSERVATION PRACTICES PER BMP NS-1
 - NS-3 PAVING AND GRINDING OPERATIONS PER BMP NS-3
 - NS-6 ILLICIT CONNECTION/DISCHARGE PER BMP NS-6
 - NS-7 POTABLE WATER/IRRIGATION PER BMP NS-7
 - NS-12 CONCRETE CURING PER BMP NS-12
 - NS-13 CONCRETE FINISHING PER BMP NS-13
 - WM-1 MATERIAL AND DELIVERY STORAGE PER BMP WM-1
 - WM-2 MATERIAL USE PER BMP WM-2
 - WM-3 STOCK PILE MANAGEMENT PER BMP WM-3
 - WM-4 SPILL PREVENTION & CONTROL PER BMP WM-4

- POST CONSTRUCTION TREATMENT BMPs**
- WM-5 SOLID WASTE MANAGEMENT PER BMP WM-5
 - WM-6 HAZARDOUS WASTE MANAGEMENT PER BMP WM-6
 - WM-8 CONCRETE WASTE MANAGEMENT PER BMP WM-8
 - WM-9 SANITARY/SEPTIC WASTE MANAGEMENT PER BMP WM-9
 - WM-10 LIQUID WASTE MANAGEMENT PER BMP WM-10
 - S-1 STORM DRAIN MESSAGE & SIGNAGE

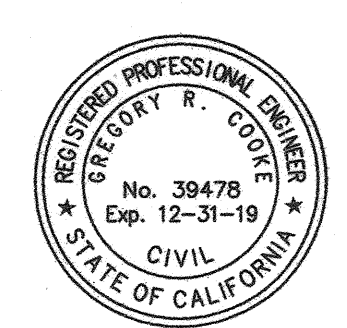
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE
 EROSION CONTROL PLAN
 SHEET NO. 10
 OF 31 SHTS

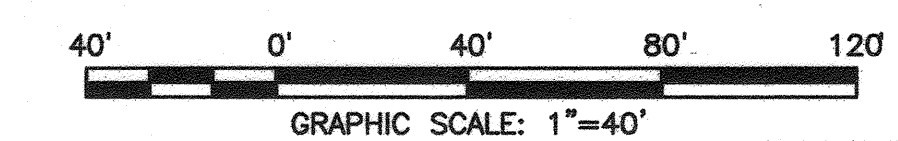
160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

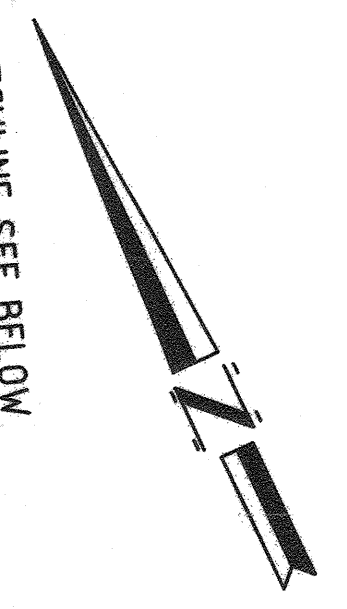
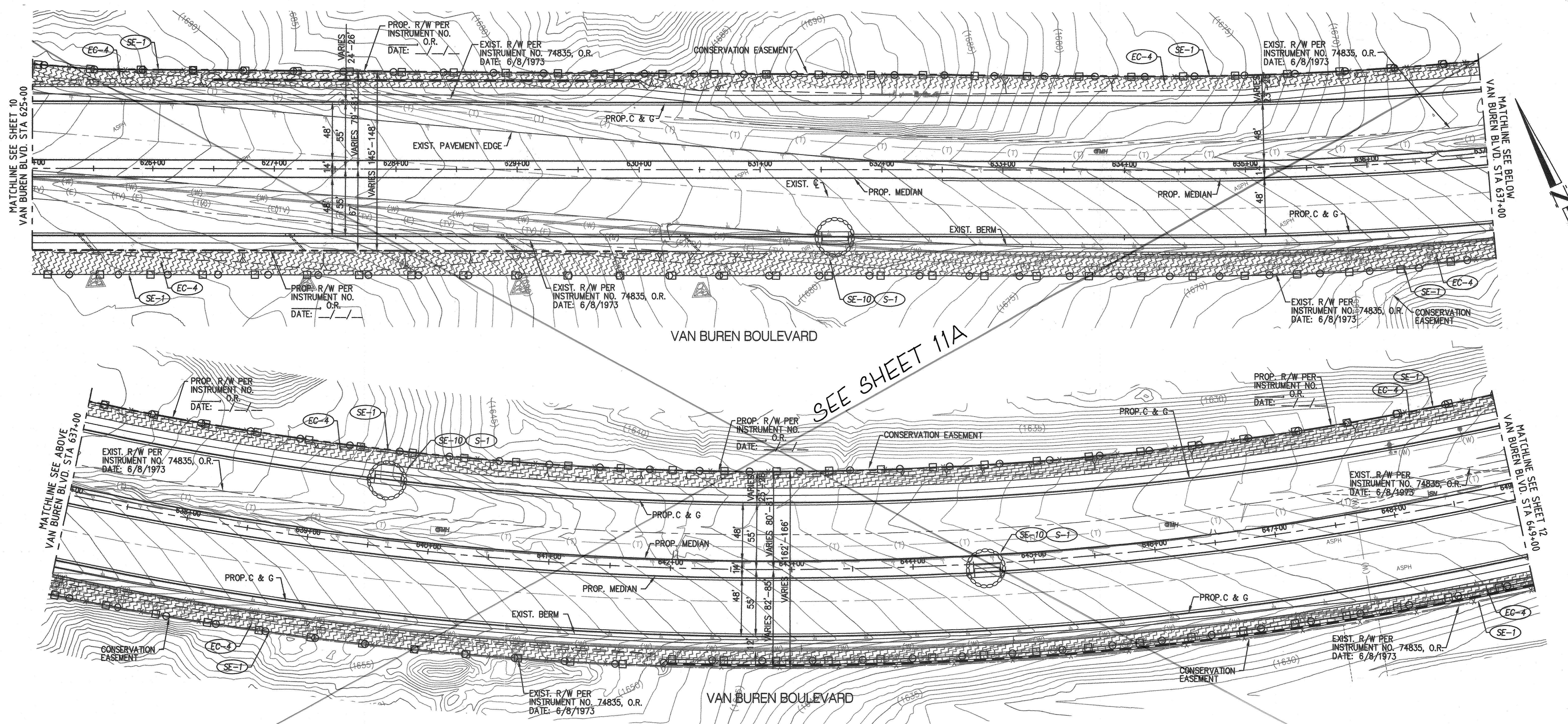
BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "2 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NAVD83 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H: AS SHOWN V: N/A

FOR: W.O. COUNTY FILE NO. 965-MM

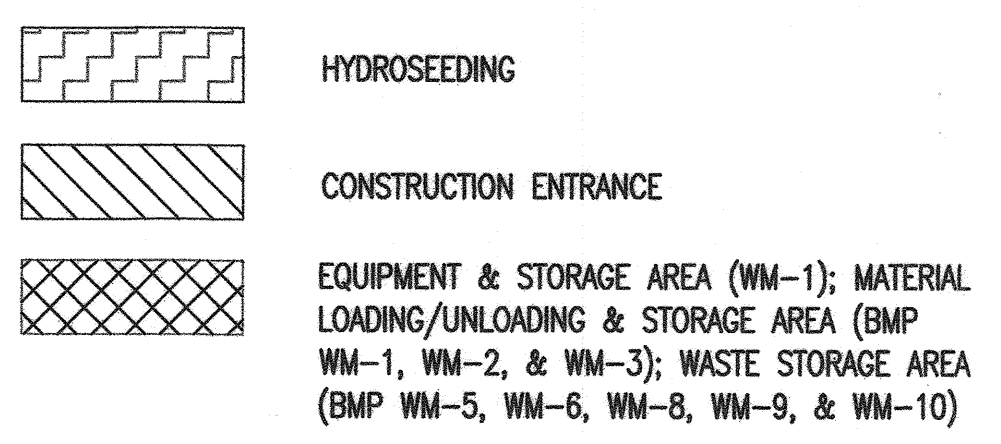
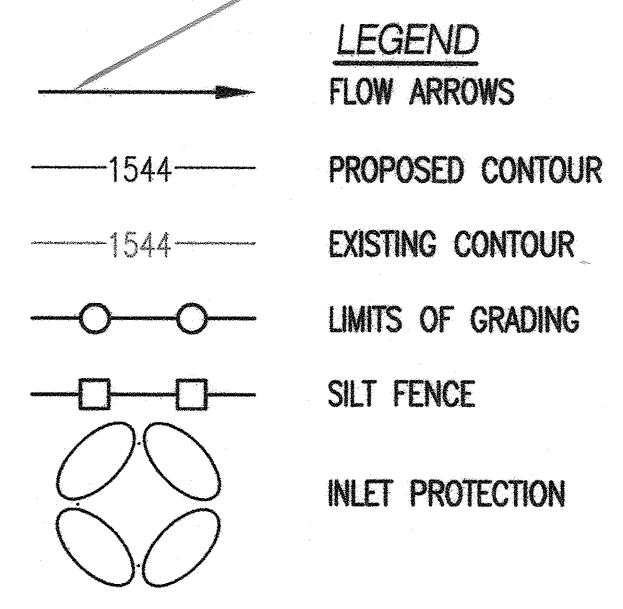


DRRC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 GREGORY R. COOKE R.C.E. 39478
 DATE 4/18/18





RECD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER 35165 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



EROSION & SEDIMENT CONTROL BMPs (PER CASQA HANDBOOK)

- EC-1 SCHEDULING PER BMP EC-1
- EC-4 HYDROSEEDING
- SE-1 INSTALL SILT FENCE PER BMP SE-1
- SE-5 FIBER ROLLS PER BMP SE-5
- SE-6 INSTALL GRAVEL BAGS 2 COURSES HIGH PER BMP SE-6
- SE-7 STREET SWEEPING AND VACUUMING PER BMP SE-7
- SE-10 STORM DRAIN INLET PROTECTION PER BMP SE-10
- TC-1 INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT PER BMP TC-1 (TYPE 2 WITH SHAKER PLATES)
- WE-1 WIND EROSION CONTROL PER BMP WE-1

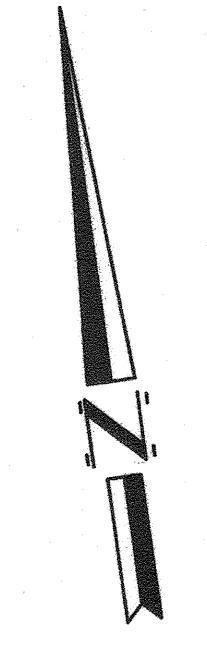
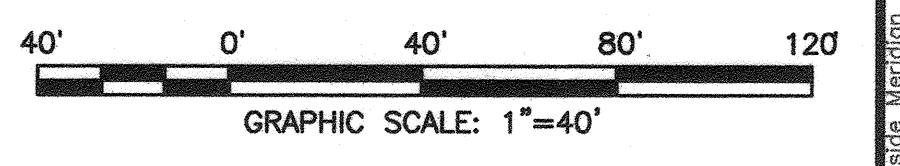
NON-STORM WATER BMPs (PER CASQA HANDBOOK)

- NS-1 WATER CONSERVATION PRACTICES PER BMP NS-1
- NS-3 PAVING AND GRINDING OPERATIONS PER BMP NS-3
- NS-6 ILLICIT CONNECTION/DISCHARGE PER BMP NS-6
- NS-7 POTABLE WATER/IRRIGATION PER BMP NS-7
- NS-12 CONCRETE CURING PER BMP NS-12
- NS-13 CONCRETE FINISHING PER BMP NS-13
- WM-1 MATERIAL AND DELIVERY STORAGE PER BMP WM-1
- WM-2 MATERIAL USE PER BMP WM-2
- WM-3 STOCK PILE MANAGEMENT PER BMP WM-3
- WM-4 SPILL PREVENTION & CONTROL PER BMP WM-4

- WM-5 SOLID WASTE MANAGEMENT PER BMP WM-5
- WM-6 HAZARDOUS WASTE MANAGEMENT PER BMP WM-6
- WM-8 CONCRETE WASTE MANAGEMENT PER BMP WM-8
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT PER BMP WM-9
- WM-10 LIQUID WASTE MANAGEMENT PER BMP WM-10

POST CONSTRUCTION TREATMENT BMPs

- S-1 STORM DRAIN MESSAGE & SIGNAGE



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 TOLL FREE 811
 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR.

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MARK	BY	DATE	REVISIONS	APPR	DATE



dorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

GREGORY R. COOKE R.C.E. 39478

4/18/18
 DATE

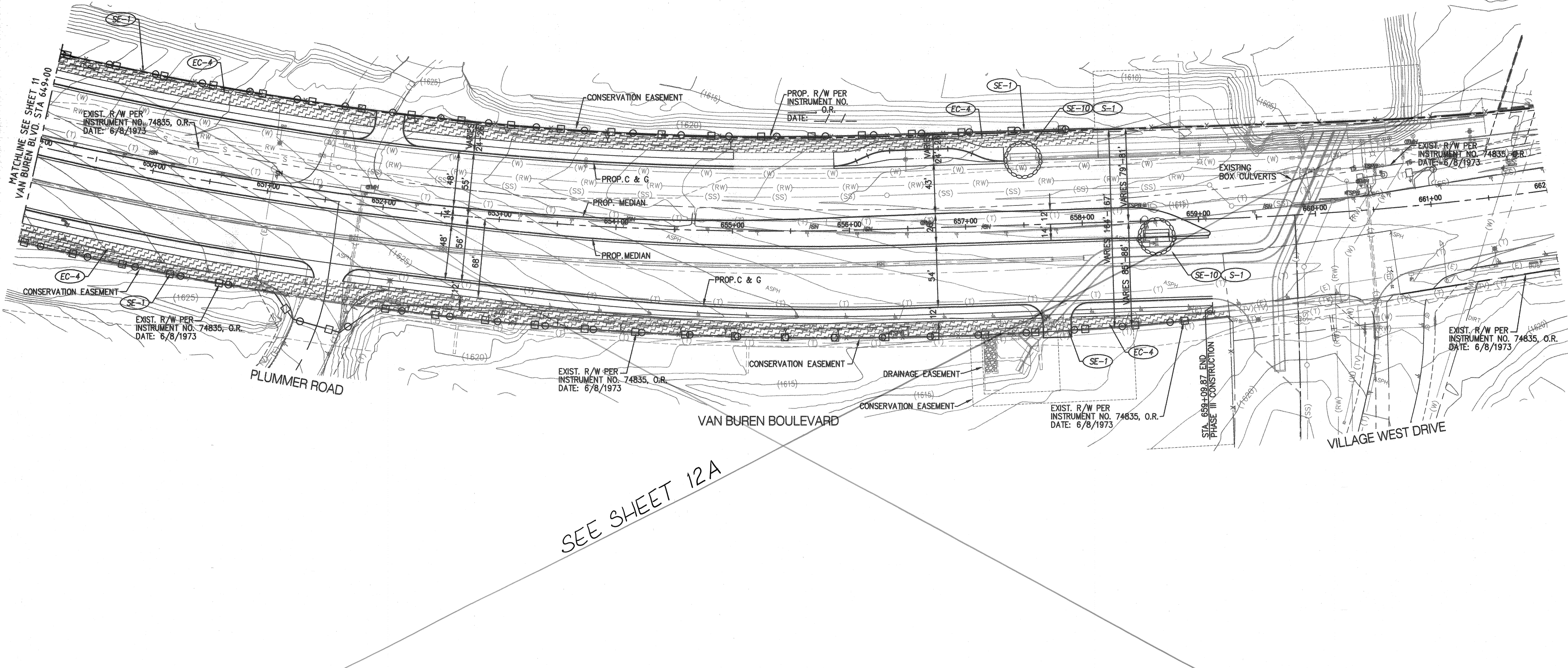
BENCHMARK:
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 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29
 ELEVATION 1532.70
 SCALE:
 H: AS SHOWN V: N/A

MS 4320 IP 170023
COUNTY OF RIVERSIDE
 EROSION CONTROL PLAN

SHEET NO. 11
 OF 31 SHEETS

FOR: W.O. COUNTY FILE NO. 965-MM

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED



SEE SHEET 12A

RECORD COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35765
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

LEGEND

- FLOW ARROWS
- 1544— PROPOSED CONTOUR
- 1544— EXISTING CONTOUR
- LIMITS OF GRADING
- SILT FENCE
- INLET PROTECTION
- ▨ HYDROSEEDING
- ▧ CONSTRUCTION ENTRANCE
- ▩ EQUIPMENT & STORAGE AREA (WM-1); MATERIAL LOADING/UNLOADING & STORAGE AREA (BMP WM-1, WM-2, & WM-3); WASTE STORAGE AREA (BMP WM-5, WM-6, WM-8, WM-9, & WM-10)

EROSION & SEDIMENT CONTROL BMPs (PER CASQA HANDBOOK)

- EC-1 SCHEDULING PER BMP EC-1
- EC-4 HYDROSEEDING
- SE-1 INSTALL SILT FENCE PER BMP SE-1
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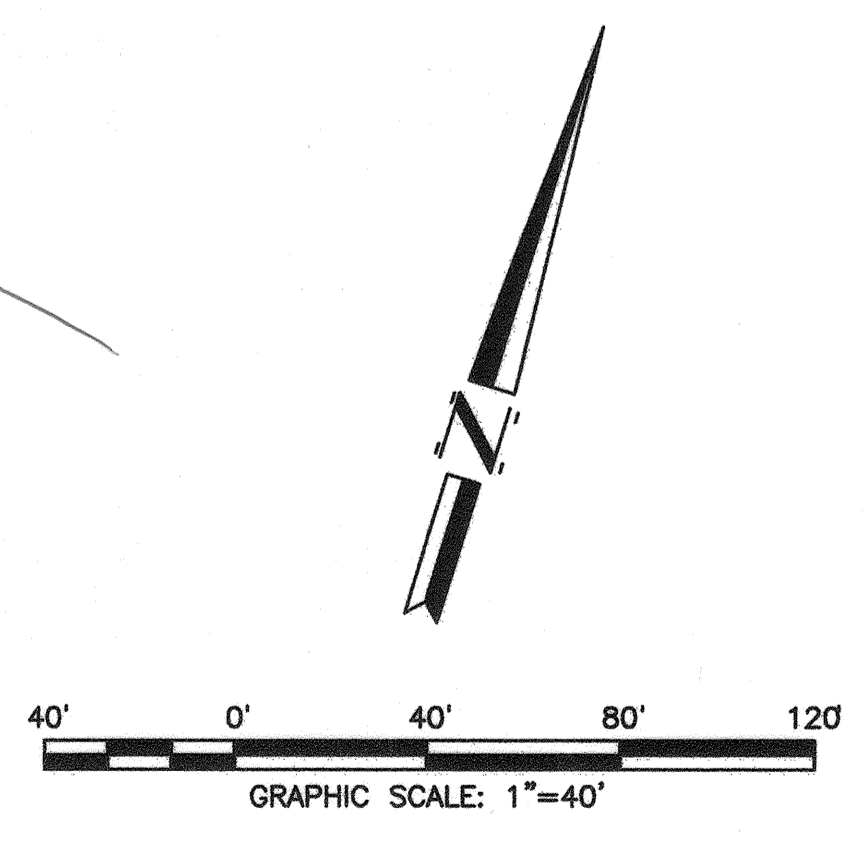
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POST CONSTRUCTION TREATMENT BMPs

- S-1 STORM DRAIN MESSAGE & SIGNAGE



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diorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 GREGORY R. COOKE R.C.E. 39478

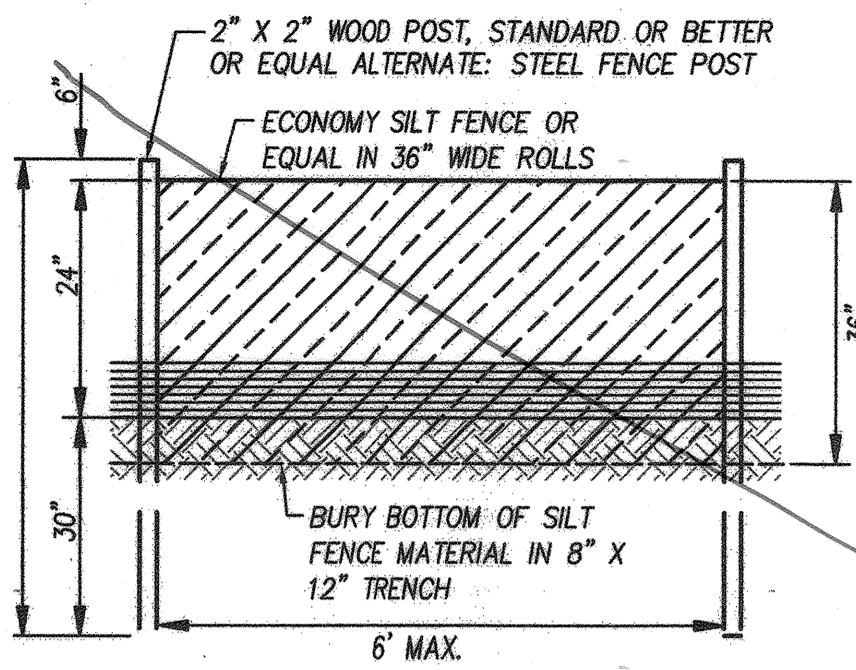
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 RIVERSIDE COUNTY SURVEYORS
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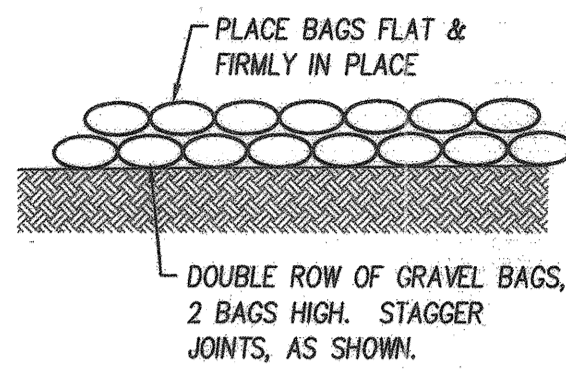
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE
 EROSION CONTROL PLAN
 SHEET NO. 12
 OF 31 SHEETS
 COUNTY FILE NO. 965-NM

PLOTNAME: M:\2017\17-315 Lewis Riverside Meridian Van Buren Th. 2\315\17315 ST112 ECDWG.LAST SAVED ON: Apr 18 2018 8:06am PLOTTED BY: JAE, ON: Apr 19 2018 4:32pm, CPl

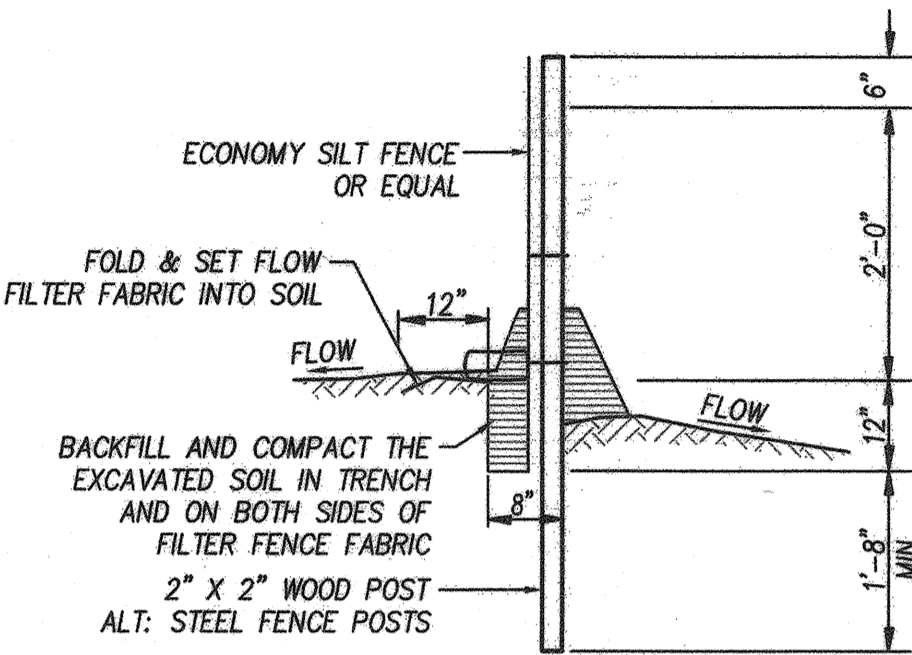


TYPICAL SECTION



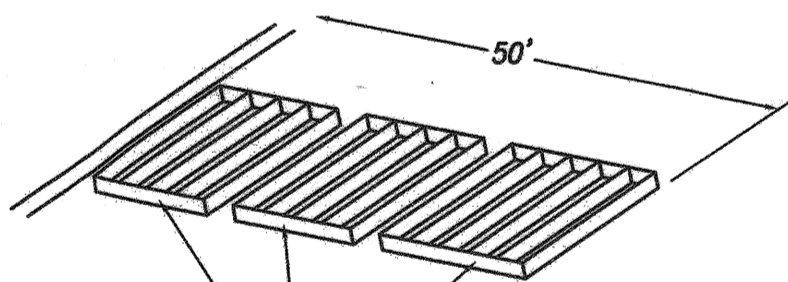
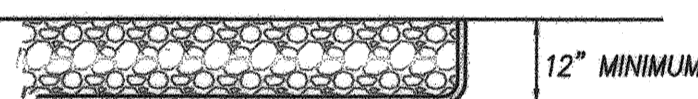
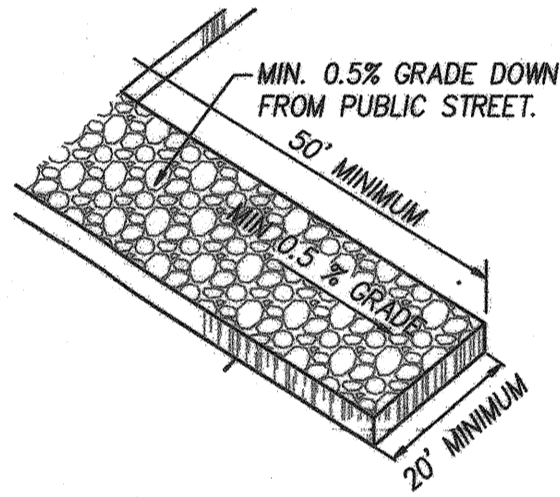
TYPICAL ELEVATION

SE-6 TYPICAL GRAVEL BAG DETAIL
NOT TO SCALE



SE-1 TYPICAL SILT FENCE DETAIL
NOT TO SCALE

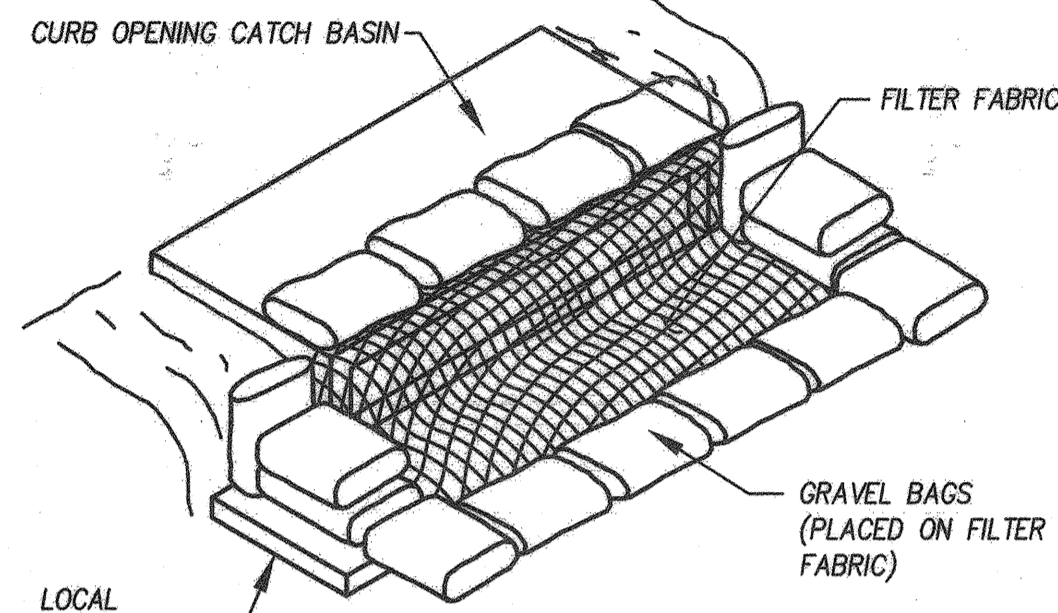
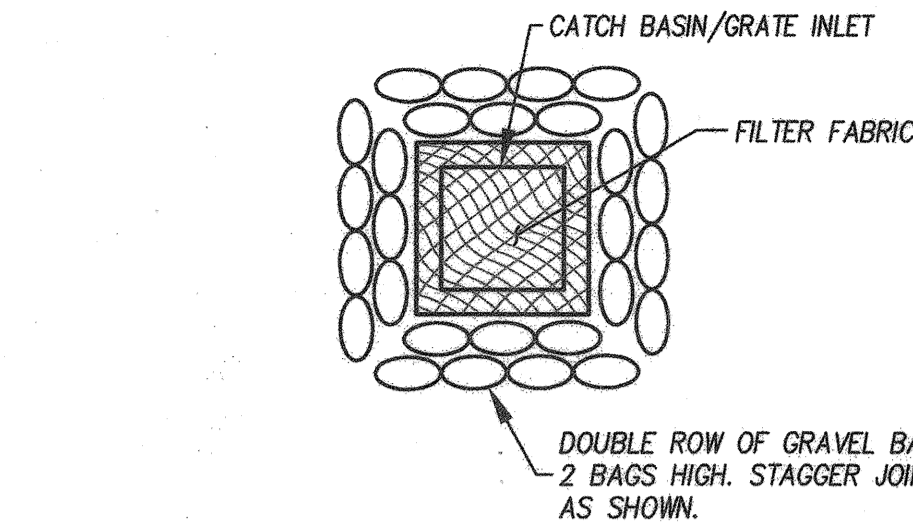
- 1) CANNOT ENCROACH ON ADJACENT PROPERTY WITHOUT WRITTEN CONSENT FROM ADJACENT OWNERS.
- 2) DRAINAGE IS NOT ALLOWED FROM ONE SIDE OF PROPERTY TO ANOTHER WITHOUT WRITTEN CONSENT FROM ADJACENT OWNERS.



A SERIES OF STEEL PLATES (3 OR MORE) WITH RUMBLE STRIPS

TC-1 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

(TO BE UTILIZED IN THE EVENT THAT CONSTRUCTION ACTIVITIES REQUIRE THE MITIGATION OF SEDIMENT TRACKING ONTO THE



DETAIL "A"
TYPICAL STORM DRAIN PROTECTION INLET DETAIL
NOT TO SCALE

EROSION CONTROL NOTES

1. THE EROSION CONTROL SYSTEMS REQUIRE CERTIFICATION BY A QUALIFIED SWPPP DEVELOPER. SUCH CERTIFIED SYSTEMS SHALL BE COMPLETED, INSPECTED, AND IN PLACE DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY. IN THE EVENT OF FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE CITY ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY, THE COST (INCLUDING AN INITIAL MOBILIZATION AMOUNT) OF WHICH SHALL BE CHARGED TO THE CONTRACTOR.
3. ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSTRUCTION PHASE OF THE PROJECT.
4. THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL SYSTEMS SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED EROSION CONTROL PLAN.
5. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES AS RECOMMENDED BY THE ENGINEER OF WORK AND AS APPROVED BY THE CITY ENGINEER.
6. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40-PERCENT.
7. EROSION CONTROL SYSTEMS SHALL BE SERVICED AND MAINTAINED TO PROVIDE CONTINUOUS CAPACITY AND ADEQUACY TO FUNCTION AS DESIGNED. AFTER PRECIPITATION EXCEEDING ONE-QUARTER (1/4) INCH IN ANY 12 HOUR PERIOD, OR UPON DIRECTION OF THE CITY ENGINEER, SILT AND DERBRIS SHALL BE REMOVED FROM CHECK DAMS AND DE-SILTING BASINS AND THE BASINS PUMPED DRY AND OTHERWISE RESTORED TO THE ORIGINAL DESIGN CONDITION.
8. DESILTING BASINS CONSTRUCTED OF COMPACTED EARTH SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90 PERCENT OF MAXIMUM DENSITY. A SOIL ENGINEER REPORT INCLUDING THE TYPE OF FIELD TESTING PERFORMED, LOCATION, AND RESULTS OF TESTING SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL UPON COMPLETING THE DE-SILTING BASIN.
9. EROSION CONTROL PROVISIONS SHALL INCLUDE AND COMPLEMENT DRAINAGE PATTERNS DURING THE CURRENT AND FUTURE PHASES OF GRADING THROUGHOUT THE RAINY SEASON.
10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION. NECESSARY PRECAUTIONS MAY INCLUDE, BUT NOT BE LIMITED TO, APPROPRIATE PERIMETER FENCING OR A 24-HOUR GUARD PREVENTING UNAUTHORIZED PERSONS FROM ENTERING THE BASINS.
11. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY.
12. PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVED BY SWEEPING OR OTHER MECHANICAL MEANS.
13. STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR, PERMITEE OR OWNER FOR EMERGENCY WORK DURING RAINSTORMS.
14. FILTREXX SOXX, GRAVEL BAGS OR APPROVED EQUAL AND NECESSARY MATERIALS IN ACCORDANCE WITH THE APPROVED PLANS, SHALL BE AVAILABLE ONSITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT. A STAND-BY CREW SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
15. ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORKDAY IF A 40-PERCENT CHANCE OF RAIN IS PREDICTED.
16. A FILTREXX SOXX OR APPROVED EQUAL SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
17. A 12-INCH HIGH BY 4-FOOT WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS, CONCENTRATED WATER SHALL BE CARRIED NOT CLOSER THAN 10 FEET FROM THE TOP OF SLOPES.
18. PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS AT THE INTERVALS INDICATED BELOW, VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF FILTREXX SOXX OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE CITY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE GUTTER AT RIGHT ANGLES TO THE CENTERLINE PER DETAIL I.

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

19. ALL EROSION CONTROL PLANS MUST PROVIDE A 24-HOUR TELEPHONE NUMBER AND THE NAME(S) OF THE PERSON(S) RESPONSIBLE FOR EMERGENCY WORK. A TELEPHONE ANSWERING MACHINE OR ANSWERING SERVICE IS UNACCEPTABLE.

CONTRACTOR NAME _____ (AREA CODE) NUMBER _____

SEE SHEET 13A

RECORD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER 35165 DATE SIGNED 5-17-18 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			
TRAFFIC DIVISION			
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO. 0138100	EXP DATE: 1-31-18		

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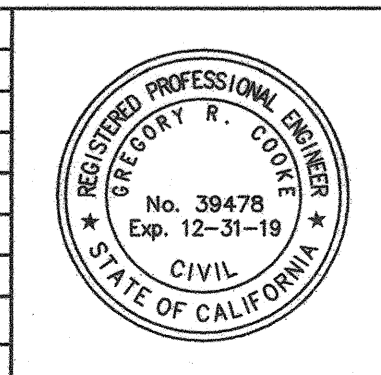
TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	APPR	DATE
	ENGINEER			
	REVISIONS			
	COUNTY			



ORC Engineering, Inc.

Civil Engineering Land Surveying/Land Planning

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

4/18/18 DATE

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MS 4320 IP 170023

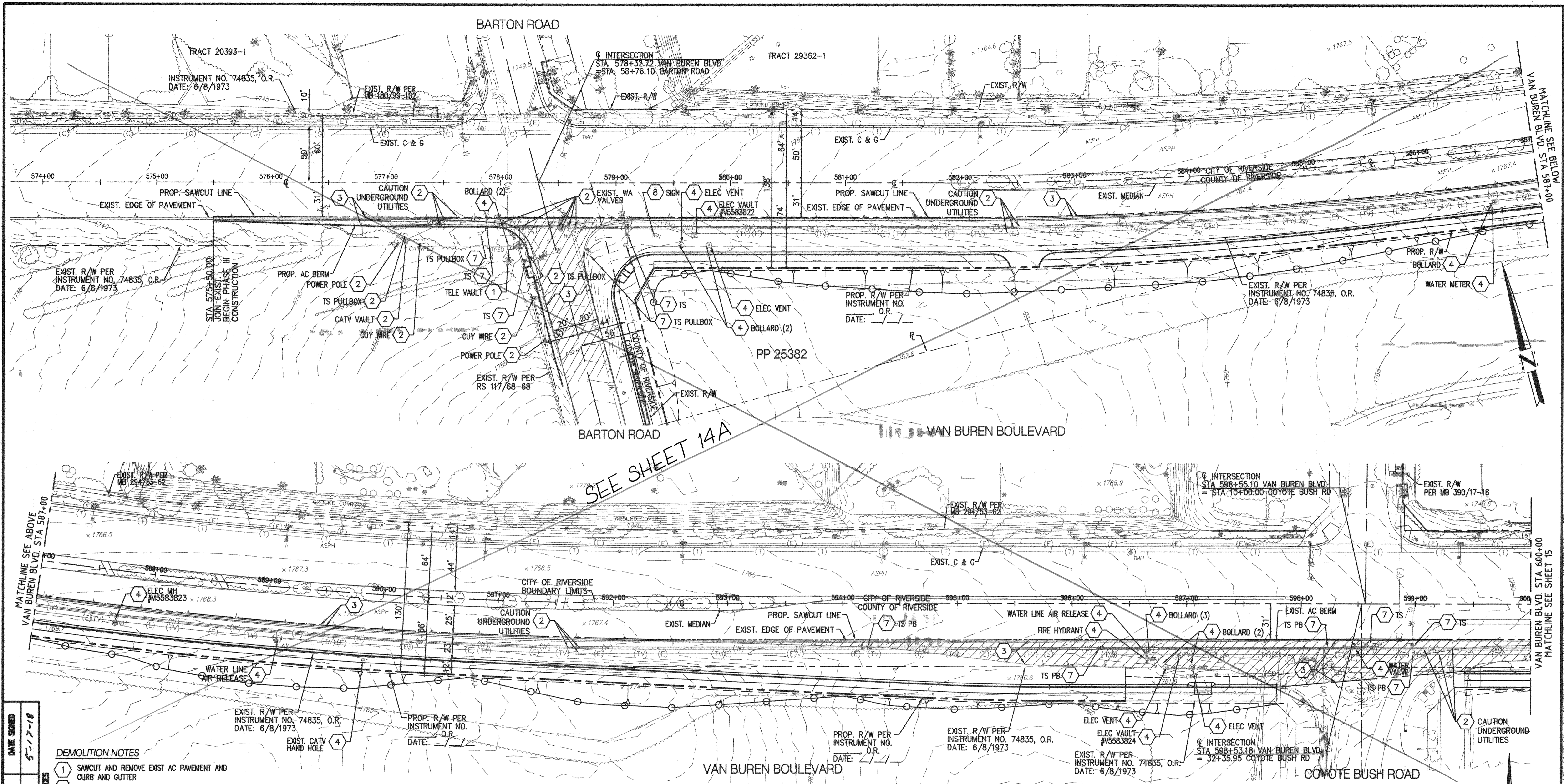
COUNTY OF RIVERSIDE

EROSION CONTROL PLAN

FOR: _____ W.O. _____ COUNTY FILE NO. 965-MM

CITY OF RIVERSIDE
PW17-0337
R-4413
SHEET NO. 13
OF 31 SHEETS

FILENAME: N:\2017\17-0337\17-0337-01\17-0337-01.dwg LAST SAVED ON: Apr 18 2018 8:03:38 AM PLOTTED BY: JALC ON: Apr 19 2018 8:30:00 AM



DATE SIGNED 5-17-18
REGISTRATION NUMBER 35165
COUNTY OVERSIGHT ENGINEER M. M. M...
RECORD APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

DEMOLITION NOTES

- SAWCUT AND REMOVE EXIST AC PAVEMENT AND CURB AND GUTTER
- PROTECT IN PLACE
- SAWCUT AND REMOVE EXIST AC PAVEMENT AND AC BERM
- EXISTING UTILITY FACILITIES TO BE RELOCATED OR ADJUSTED TO GRADE BY OTHERS
- COLD MILLING AS REQUIRED FOR A MIN 1 1/2" AC OVERLAY
- SAWCUT AND REMOVE EXISTING SIDEWALK AND CURB AND GUTTER
- EXISTING TRAFFIC SIGNAL FACILITIES TO BE REMOVED, RELOCATED, OR ADJUSTED TO GRADE PER TRAFFIC SIGNAL PLANS
- EXISTING TRAFFIC SIGN TO BE REMOVED OR RELOCATED PER TRAFFIC SIGNING AND STRIPING REMOVE EXIST STREET LIGHT

DIGALERT
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 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			
SURVEYOR			
TRAFFIC DIVISION			
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:	0138100	EXP DATE: 1-31-18	

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DATE: 4-27-18

LEGEND

- ASPHALT PAVEMENT REMOVAL LIMITS AS INDICATED
- COLD MILL
- SAWCUT (ASPHALT AND CONCRETE)
- LIMITS OF GRADING

- GENERAL NOTES**
- THIS DEMOLITION PLAN SHOWS UNDERGROUND UTILITY INFORMATION BASED ON THE BEST AVAILABLE AS-BUILT INFORMATION. THERE MAY BE UNDERGROUND UTILITIES NOT DEPICTED ON THESE PLANS. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION.
 - VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR UTILITY REMOVAL AND RELOCATION. IMMEDIATELY NOTIFY THE ENGINEER OF ANY REMAINING UTILITY CONFLICTS PRIOR TO THE START OF ANY DEMOLITION WORK.
 - CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING FEATURES, DEBRIS, VEGETATION, AND TREES WITHIN THE LIMITS OF GRADING AND CONSTRUCTION UNLESS OTHERWISE NOTED.
 - REFER TO SIGNAL PLANS FOR SIGNAL EQUIPMENT TO BE REMOVED AND SALVAGED.
 - CONTRACTOR SHALL PROVIDE TRAFFIC RATED LIDS/MANHOLE COVERS FOR ALL UTILITIES TO BE ADJUSTED TO FINISH GRADE.
 - COORDINATE WITH SCE TO ENSURE THE POWER HAS BEEN DE-ENERGIZED. POWER POLES, WIRES AND ALL OTHER EQUIPMENT SHALL NOT BE TOUCHED UNTIL PERMISSION HAS BEEN GRANTED BY SCE.
 - REFER TO SIGNING AND STRIPING PLANS FOR REMOVAL AND REPLACEMENT OF EXISTING SIGNS.
 - REFER TO LIGHTING PLANS FOR LIGHTING EQUIPMENT TO BE REMOVED, RELOCATED OR SALVAGED.

ORC Engineering, Inc.
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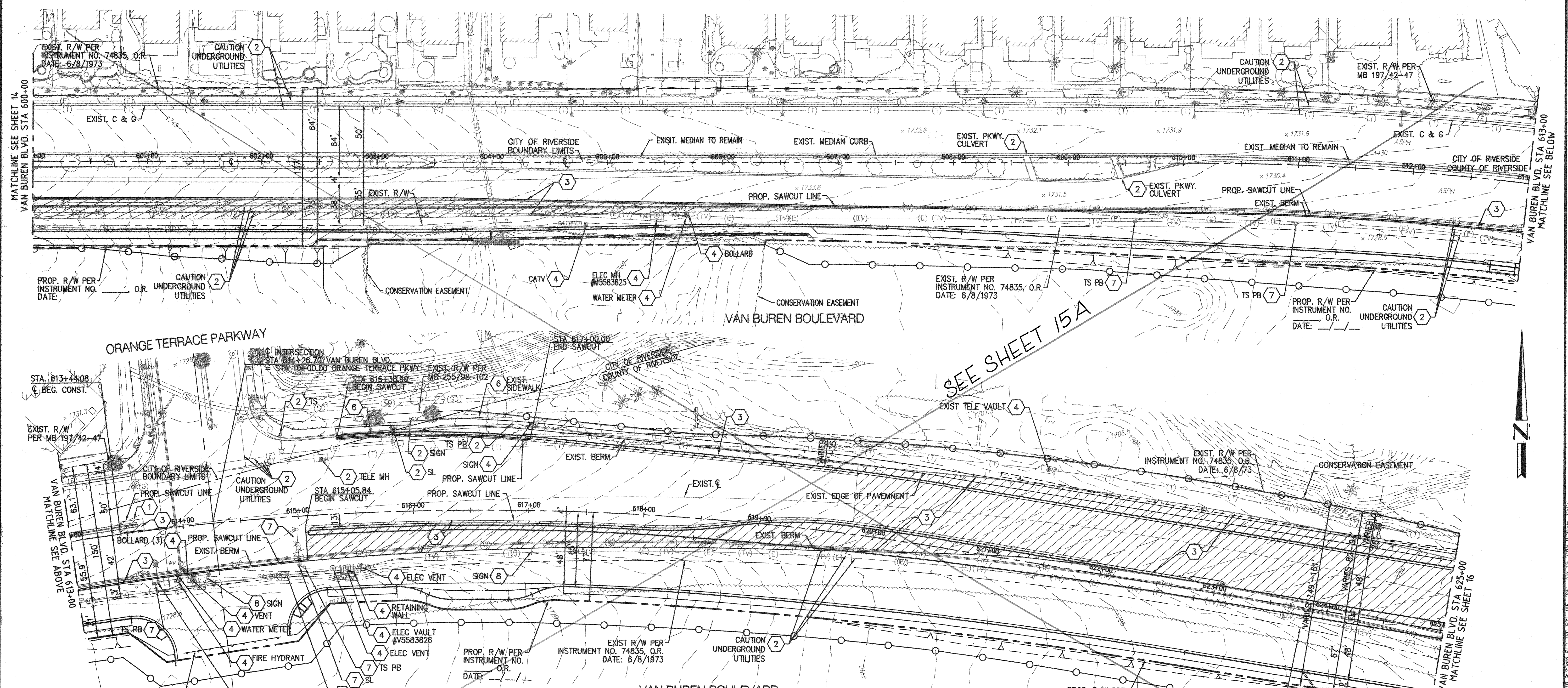
REGULATED PROFESSIONAL ENGINEER
 No. 39478
 Exp. 12-31-19
 CIVIL
 STATE OF CALIFORNIA

GREGORY R. COOKE R.C.E. 39478
 DATE: 4/18/18

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE
 DEMOLITION PLAN
 SHEET NO. 14
 OF 31 SHEETS

FOR: W.O. COUNTY FILE NO. 965-NM



DATE SIGNED 5-17-18
REGISTRATION NUMBER 35165
COUNTY OVERSIGHT ENGINEER M. Williams
RECORD M. Williams
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

DEMOLITION NOTES

- 1 SAWCUT AND REMOVE EXIST AC PAVEMENT AND CURB AND GUTTER
- 2 PROTECT IN PLACE
- 3 SAWCUT AND REMOVE EXIST AC PAVEMENT AND AC BERM
- 4 EXISTING UTILITY FACILITIES TO BE RELOCATED OR ADJUSTED TO GRADE BY OTHERS
- 5 COLD MILLING AS REQUIRED FOR A MIN 1 1/2" AC OVERLAY
- 6 SAWCUT AND REMOVE EXISTING SIDEWALK AND CURB AND GUTTER
- 7 EXISTING TRAFFIC SIGNAL FACILITIES TO BE REMOVED, RELOCATED, OR ADJUSTED TO GRADE PER TRAFFIC SIGNAL PLANS
- 8 EXISTING TRAFFIC SIGN TO BE REMOVED OR RELOCATED PER TRAFFIC SIGNING AND STRIPING PLANS
- 9 REMOVE EXIST STREET LIGHT

DIGALERT
 DIAL BEFORE YOU DIG
 TOLL FREE 811
 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

LEGEND

- ASPHALT PAVEMENT REMOVAL LIMITS AS INDICATED
- COLD MILL
- SAWCUT (ASPHALT AND CONCRETE)
- LIMITS OF GRADING

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			CITY ENGINEER
SURVEYOR			
TRAFFIC DIVISION		4-23-18	DATE 4-27-18
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:	0138100	EXP DATE: 1-31-18	

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR

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MARK	BY	DATE

REVISIONS

APPR	DATE

COUNTY

- GENERAL NOTES**
1. THIS DEMOLITION PLAN SHOWS UNDERGROUND UTILITY INFORMATION BASED ON THE BEST AVAILABLE AS-BUILT INFORMATION. THERE MAY BE UNDERGROUND UTILITIES NOT DEPICTED ON THESE PLANS. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION.
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 5. CONTRACTOR SHALL PROVIDE TRAFFIC RATED LIDS/MANHOLE COVERS FOR ALL UTILITIES TO BE ADJUSTED TO FINISH GRADE.
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 7. REFER TO SIGNING AND STRIPING PLANS FOR REMOVAL AND REPLACEMENT OF EXISTING SIGNS.
 8. REFER TO LIGHTING PLANS FOR LIGHTING EQUIPMENT TO BE REMOVED, RELOCATED OR SALVAGED.

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

CITY OF RIVERSIDE
 PW17-0337
 R-4413
 SHEET NO. 15
 of 31 SHTS

COUNTY OF RIVERSIDE
 MS 4320 IP 170023
 DEMOLITION PLAN
 COUNTY FILE NO. 9165-NMM

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "2 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NAD83 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H: AS SHOWN V: N/A

GRAPHIC SCALE: 1"=40'

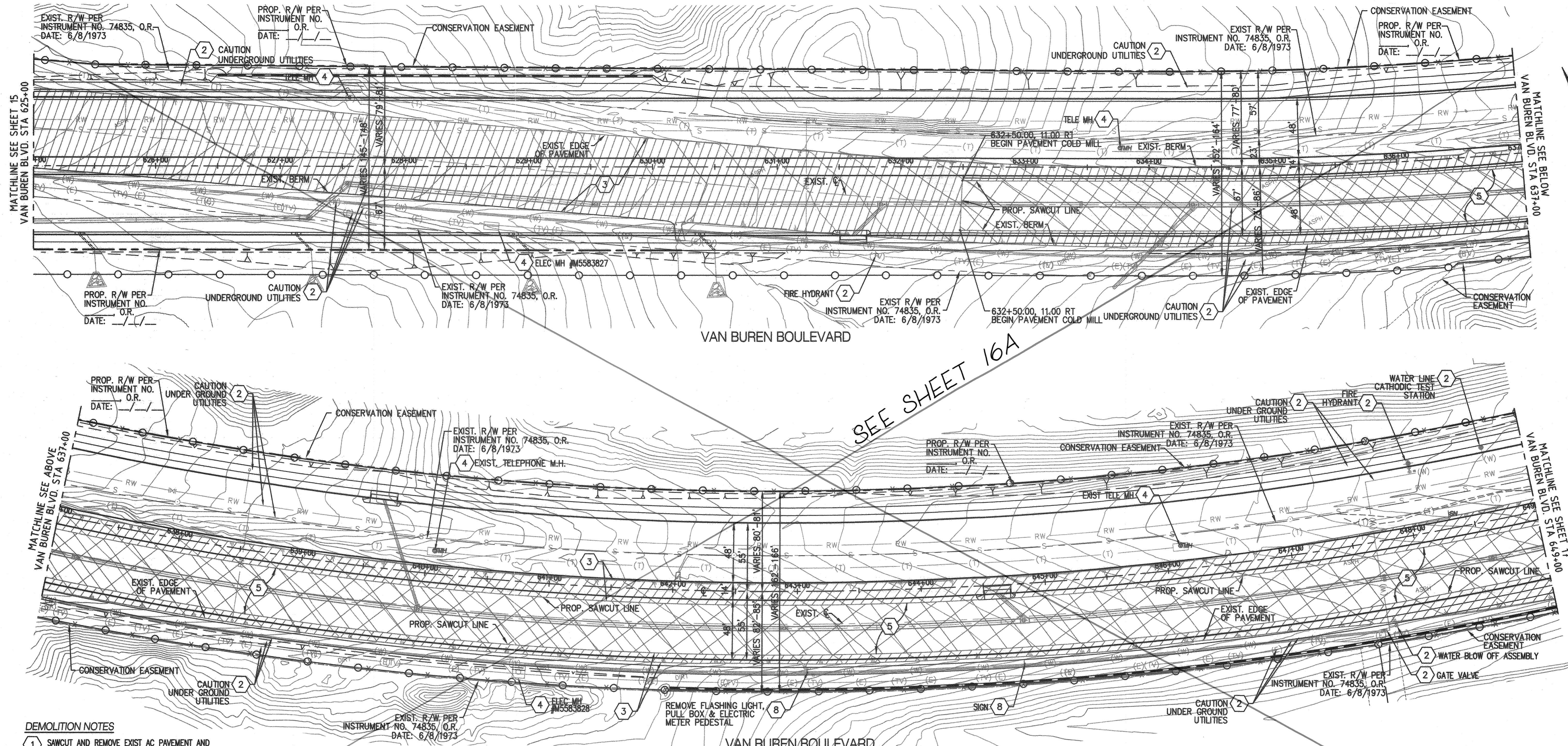
40' 0' 40' 80' 120'

DRPC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

PROFESSIONAL ENGINEER
 No. 39478
 Exp. 12-31-19
 CIVIL
 STATE OF CALIFORNIA

GREGORY R. COOKE
 R.C.E. 39478
 DATE 4/18/18

FILE NAME: H:\2017\17-0337\15115.Dwg, LAST SAVED ON: Apr 19 2018 9:20am PLOTTED BY: JAE, ON: Apr 19 2018 9:20am, CPU:



SEE SHEET 16A

DEMOLITION NOTES

- 1 SAWCUT AND REMOVE EXIST AC PAVEMENT AND CURB AND GUTTER
- 2 PROTECT IN PLACE
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- 9 REMOVE EXIST STREET LIGHT

LEGEND

- ASPHALT PAVEMENT REMOVAL LIMITS AS INDICATED
- COLD MILL
- SAWCUT (ASPHALT AND CONCRETE)
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RECD COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35765
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

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MARK	BY	DATE	REVISIONS	APPR	DATE



DRRC Engineering, Inc.
 Civil Engineering / Land Surveying / Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

4/18/18
 DATE
 GREGORY R. COOKE
 R.C.E. 39478

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE:
 H: AS SHOWN V: N/A

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023

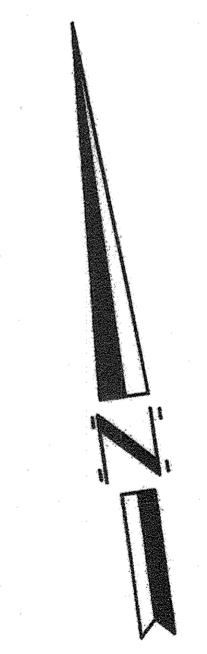
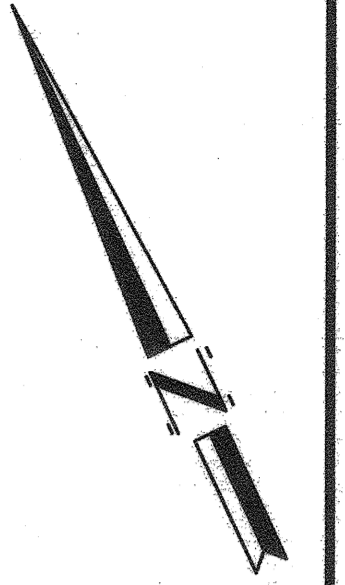
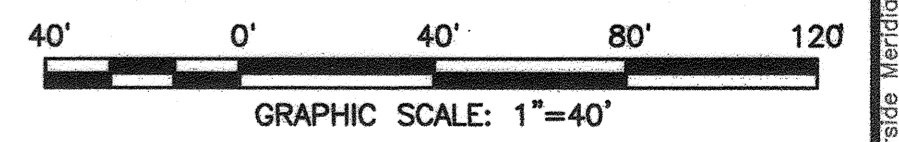
COUNTY OF RIVERSIDE

DEMOLITION PLAN

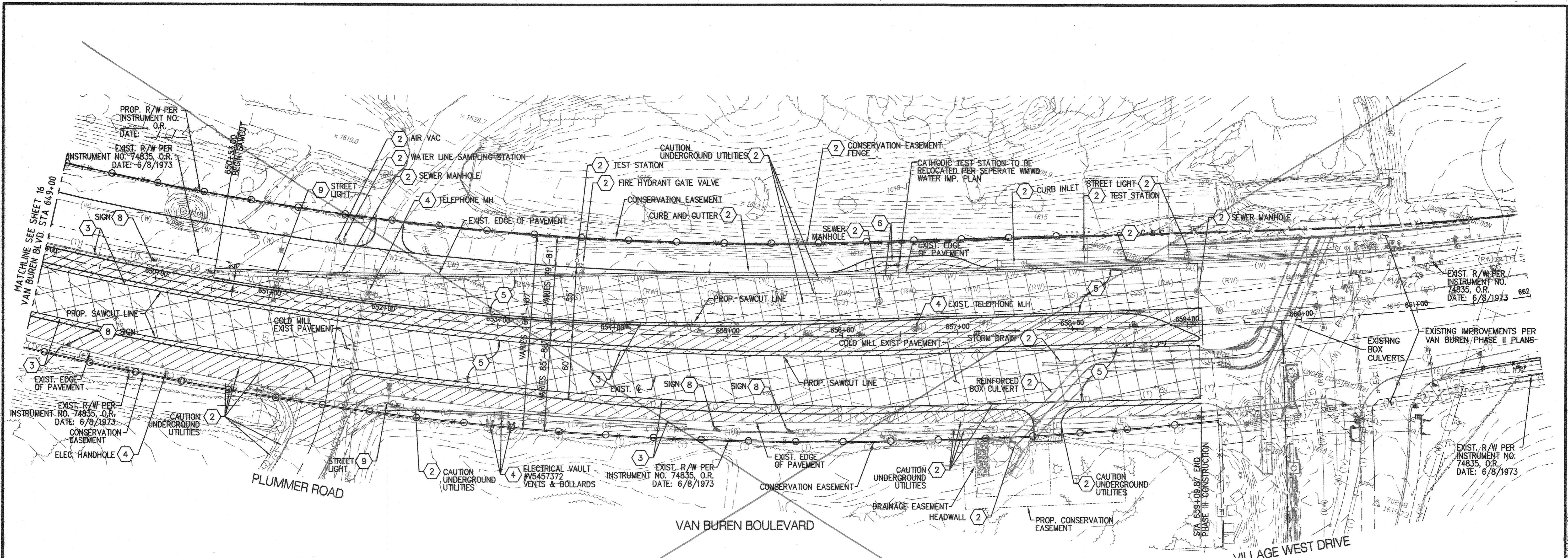
SHEET NO. 16

OF 31 SHEETS

FOR: W.O. COUNTY FILE NO. 965-MM



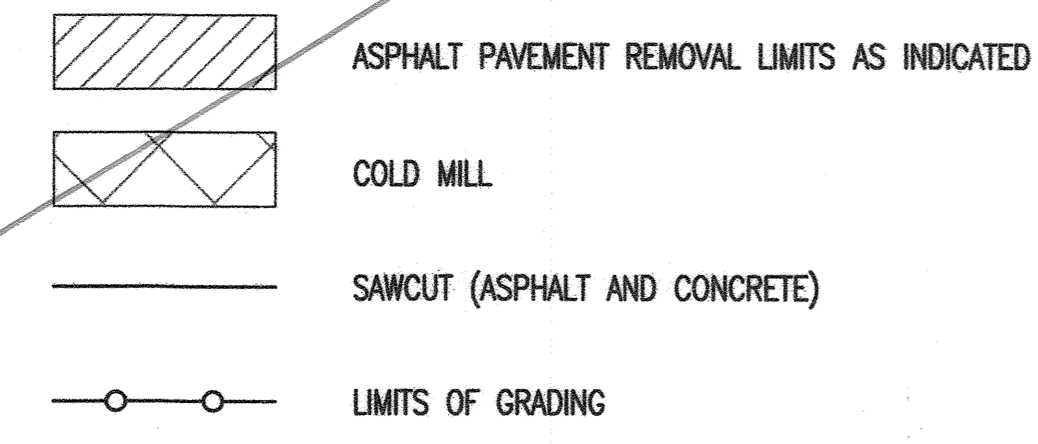
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DEMOLITION NOTES

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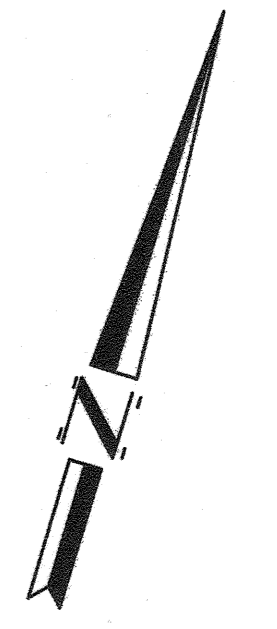
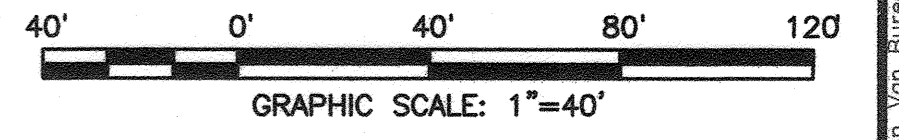
LEGEND



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SEE SHEET 17A



COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

DIGALERT
 DIAL BEFORE YOU DIG
 TOLL FREE 811
 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR	DATE



DRRC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

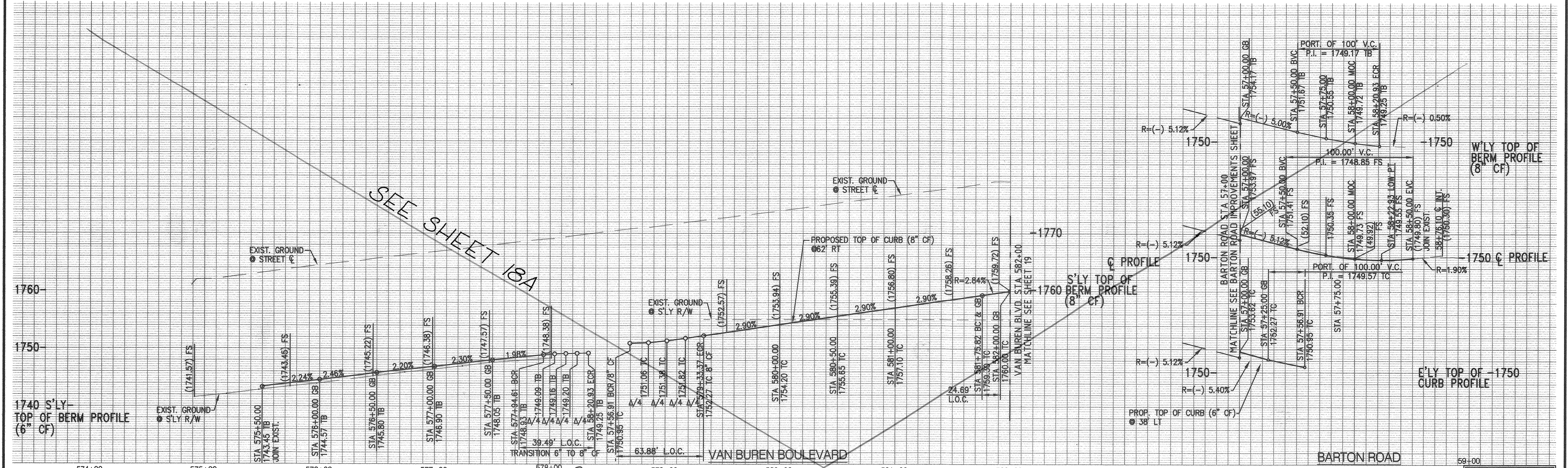
4/18/18
 DATE
 GREGORY R. COOKE
 R.C.E. 39478

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

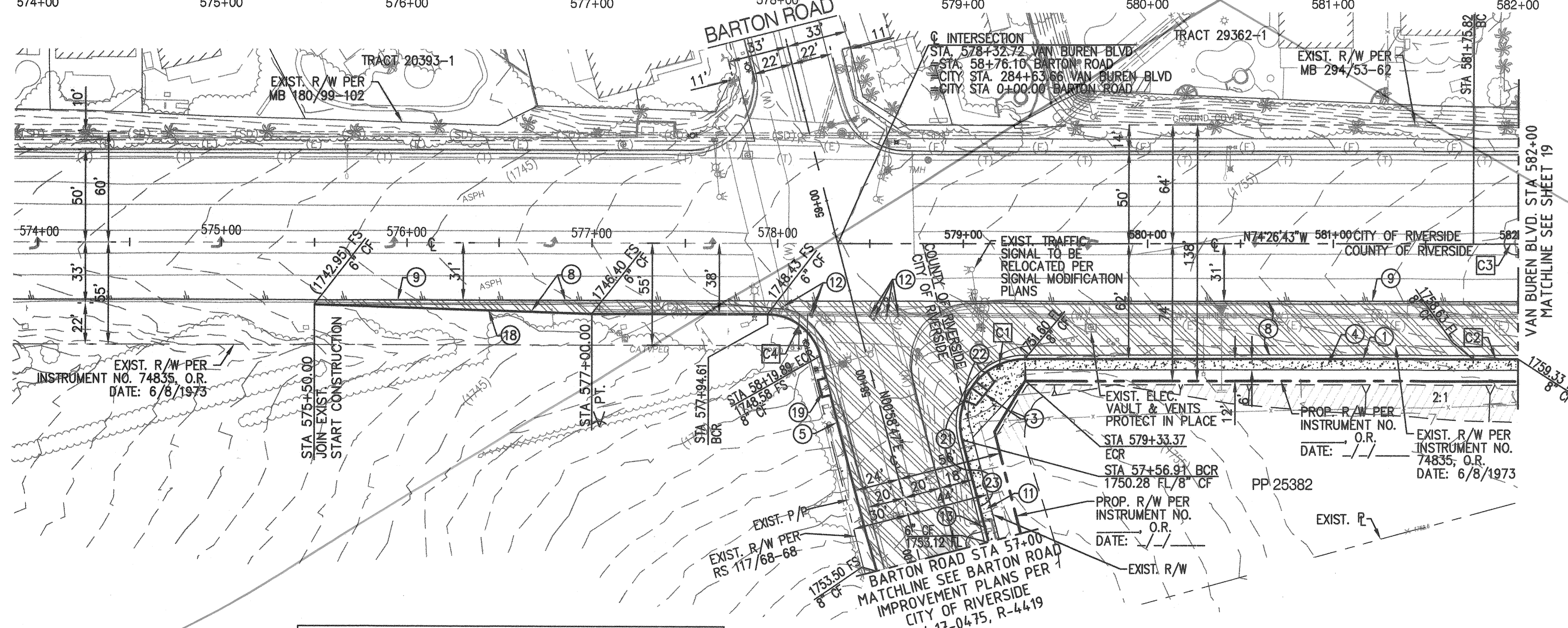
BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

MS 4320 IP 170023	SHEET NO. 17
COUNTY OF RIVERSIDE	of 31 SHTS
DEMOLITION PLAN	COUNTY FILE NO. 965-MM

FILE NUMBER: 18-0017-015 Lewis Riverside Meridian Van Buren Ph. 2/21/17/2015 STITY DWD/CW, LAST SAVED ON: Apr 19 2018 9:13am PLOTTED BY: JAE, ON: Apr 19 2018 9:16am, CIP:



PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'

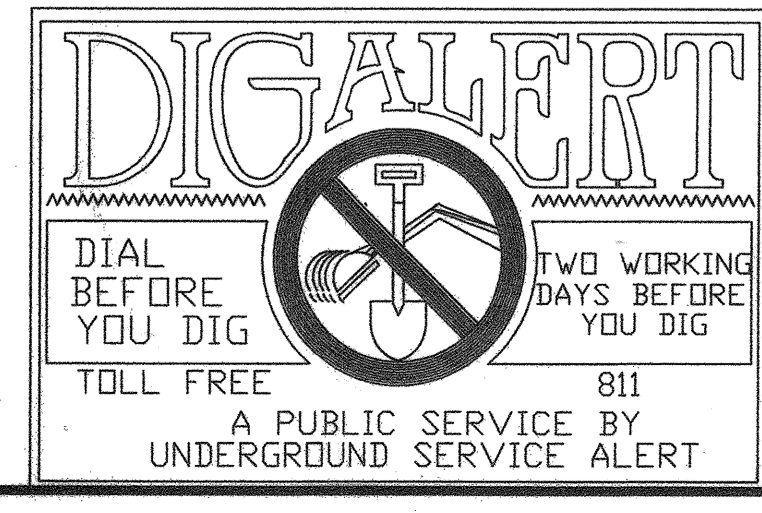


Curve #	Length	Radius	Delta	Tangent
C1	63.88'	35.00'	104°34'30"	45.26'
C2	24.69'	3000.00'	0°28'18"	12.35'
C3	24.18'	4000.00'	0°20'47"	12.09'
C4	39.49'	30.00'	75°25'30"	23.20'

- CONSTRUCTION NOTES:**
 (BY CONTRACTOR)
- CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STD NO. 403
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
 - CONSTRUCT AC BERM, TYPE 1, PER CITY OF RIVERSIDE STD. NO. 250 MODIFIED TO 8" CF WITH 1' WIDE OPENINGS, 10' O.C. FOR DRAINAGE
 - CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER CITY OF RIVERSIDE STD NO. 325
 - ADJUST EXISTING WATER VALVE TO GRADE
 - CONSTRUCT P.C.C. CURB & GUTTER, TYPE 1 (6" CF) PER CITY OF RIVERSIDE STD DWG NO. 200
 - CONSTRUCT AC BERM, TYPE 1, (6" CF) PER CITY OF RIVERSIDE STD DWG NO. 250 MODIFIED WITH 1' OPENINGS 10' O.C. FOR DRAINAGE
 - CONSTRUCT 4.5' X 9.0' X 3" THICK AC PAD OVER NATIVE PER DETAIL ON SHEET 4
 - CONSTRUCT P.C.C. CURB & GUTTER TYPE 1 (8" CF) PER CITY OF RIVERSIDE STD DWG NO. 200 MODIFIED PER DETAIL ON SHEET 4
 - CONSTRUCT 20' TRANSITION FROM STANDARD CURB & GUTTER TO MODIFIED CURB & GUTTER (8" CF)
 - CONSTRUCT 20' TRANSITION FROM STANDARD CURB & GUTTER TO MODIFIED CURB & GUTTER (6" CF TO 8" CF)

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

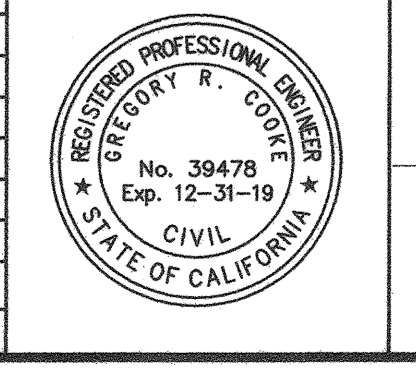
PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION		4-23-18	
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:	0138100	EXP DATE: 1-31-18	



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MARK	BY	DATE	REVISIONS	APPR	DATE



dorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning

160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

4/18/18
 DATE

GREGORY R. COOKE
 R.C.E. 39478

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

CITY OF RIVERSIDE
 PW17-0337
 R-4413

MS 4320 IP 170023

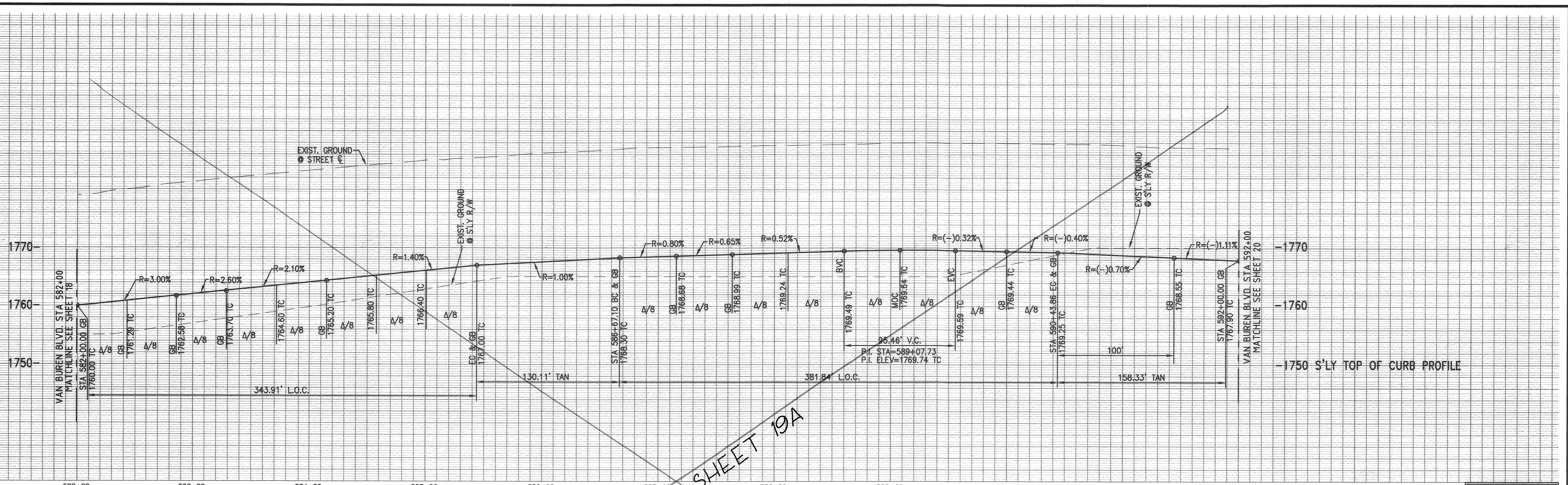
**COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS**

VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

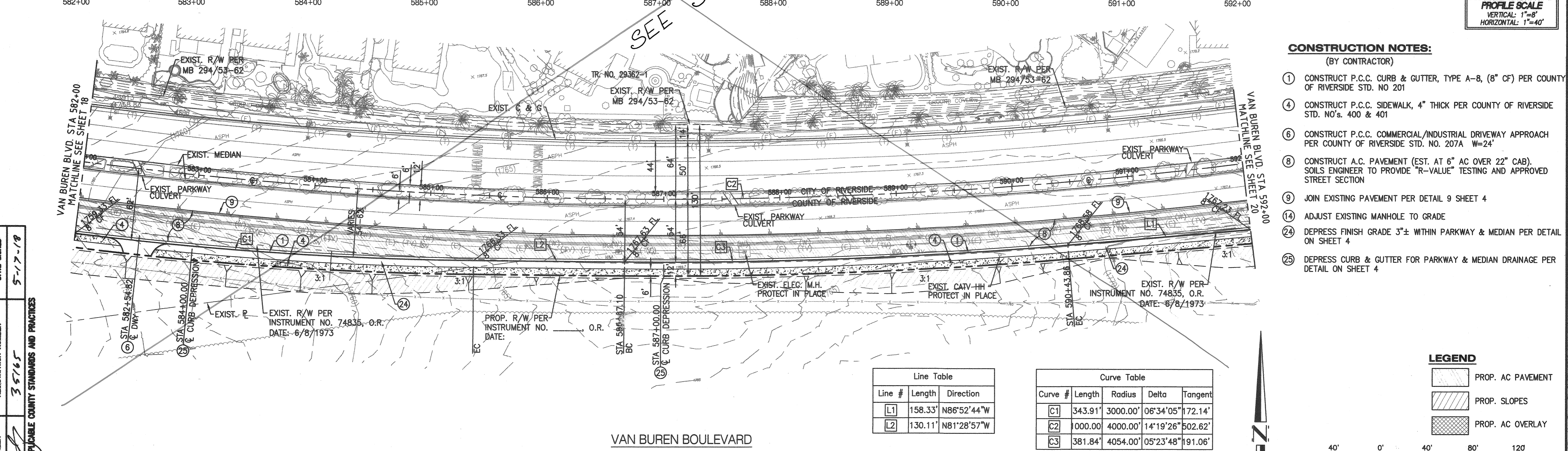
OF 31 SHTS

965-MM

RECORD COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'



- CONSTRUCTION NOTES:**
 (BY CONTRACTOR)
- ① CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - ④ CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO's 400 & 401
 - ⑥ CONSTRUCT P.C.C. COMMERCIAL/INDUSTRIAL DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STD. NO. 207A W=24'
 - ⑧ CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - ⑨ JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
 - ⑭ ADJUST EXISTING MANHOLE TO GRADE
 - ⑳ DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
 - ㉕ DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

Line Table

Line #	Length	Direction
L1	158.33'	N86°52'44"W
L2	130.11'	N81°28'57"W

Curve Table

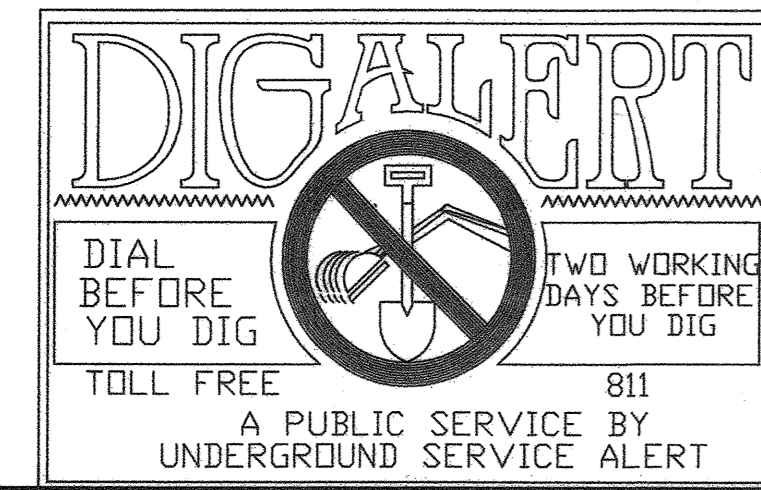
Curve #	Length	Radius	Delta	Tangent
C1	343.91'	3000.00'	06°34'05"	172.14'
C2	1000.00'	4000.00'	14°19'26"	502.62'
C3	381.84'	4054.00'	05°23'48"	191.06'

LEGEND

- PROP. AC PAVEMENT
- PROP. SLOPES
- PROP. AC OVERLAY

40' 0' 40' 80' 120'
 GRAPHIC SCALE: 1"=40'

REC'D COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35765
 DATE SIGNED 5-17-18
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MARK	BY	DATE	REVISIONS	APPR	DATE



ORC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 DATE 4/18/18
 GREGORY R. COOKE R.C.E. 39478

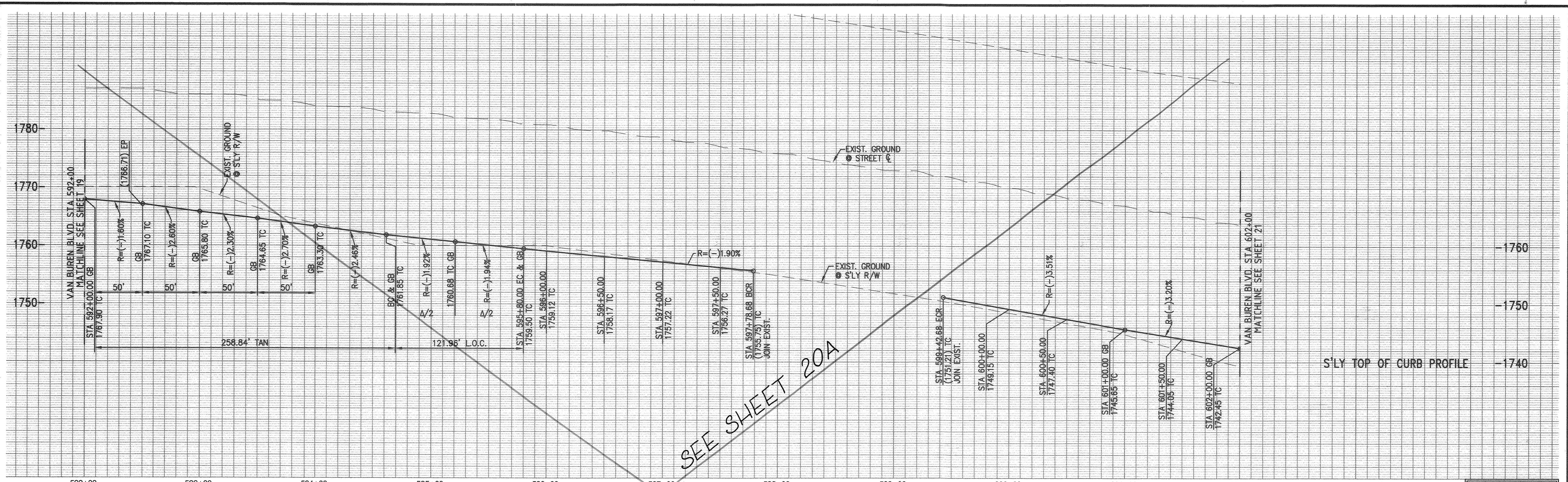
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023

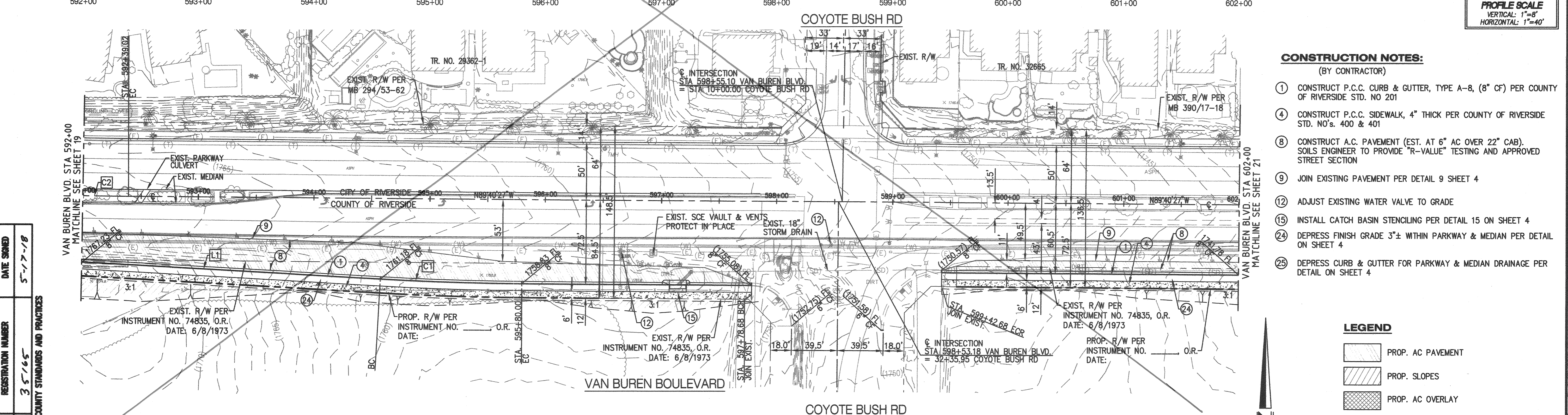
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

SHEET NO. 19
 OF 31 SHEETS

FOR: W.O. COUNTY FILE NO. 965-MM



PROFILE SCALE
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 - 12 ADJUST EXISTING WATER VALVE TO GRADE
 - 15 INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
 - 24 DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
 - 25 DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

- LEGEND**
- PROP. AC PAVEMENT
 - PROP. SLOPES
 - PROP. AC OVERLAY

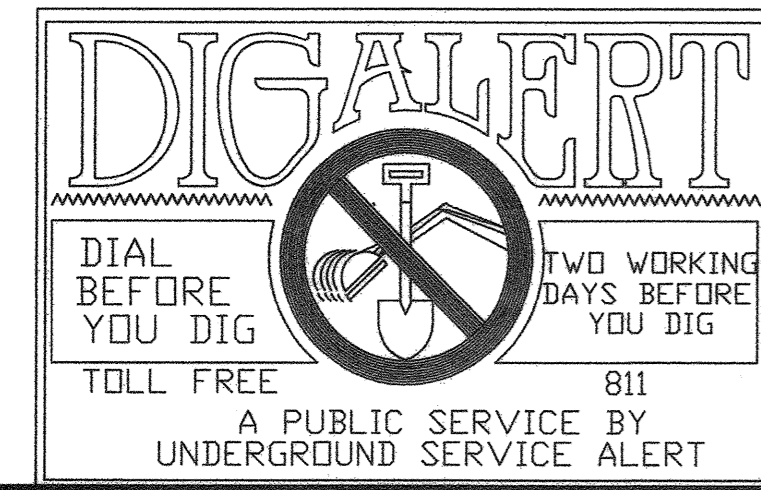
Curve Table

Curve #	Length	Radius	Delta	Tangent
C1	121.96'	2500.00'	2°47'43"	60.99'
C2	39.02'	4000.00'	00°33'32"	19.51'

Line Table

Line #	Length	Direction
L1	258.84'	N86°52'44"W

REC'D COUNTY OVERSIGHT ENGINEER DATE SIGNED 5-17-18
 REGISTRATION NUMBER 35165
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

MARK	BY	DATE	REVISIONS	APPR	DATE



dlorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

DATE: 4/18/18
 PROJECT: VAN BUREN BLVD - PHASE III PLAN AND PROFILE SHEET

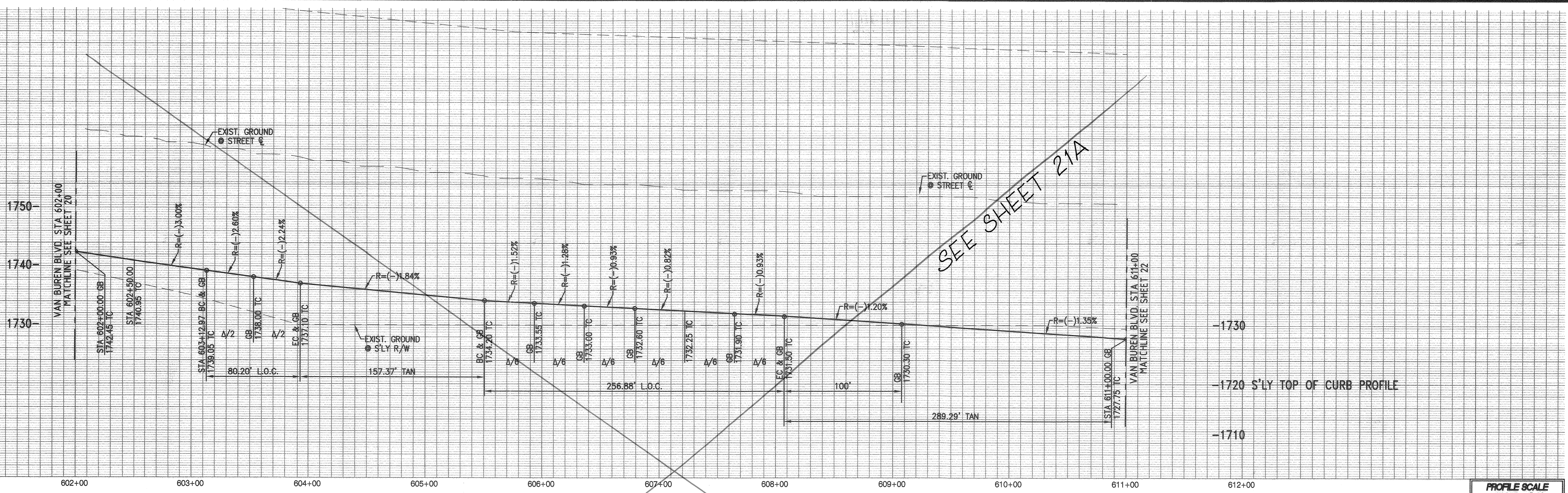
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023

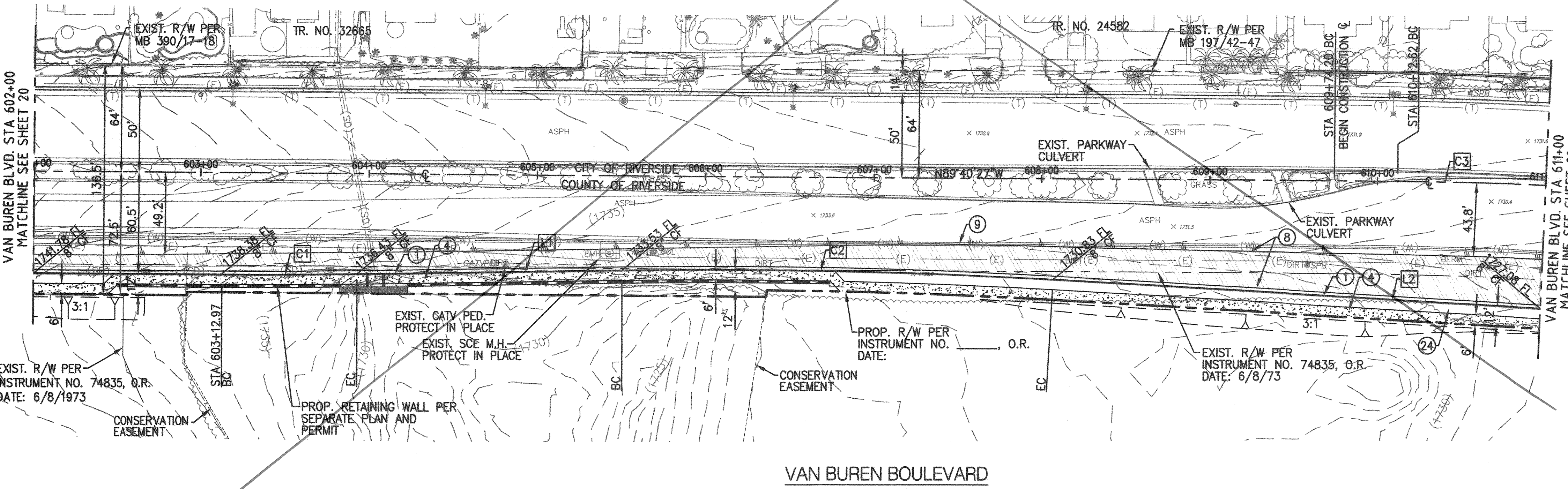
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD - PHASE III
 PLAN AND PROFILE SHEET

SHEET NO. 20 OF 31 SHTS

FOR: COUNTY FILE NO. 965-NMM



PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'



- CONSTRUCTION NOTES:**
 (BY CONTRACTOR)
- CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
 - CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
 - DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
 - DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

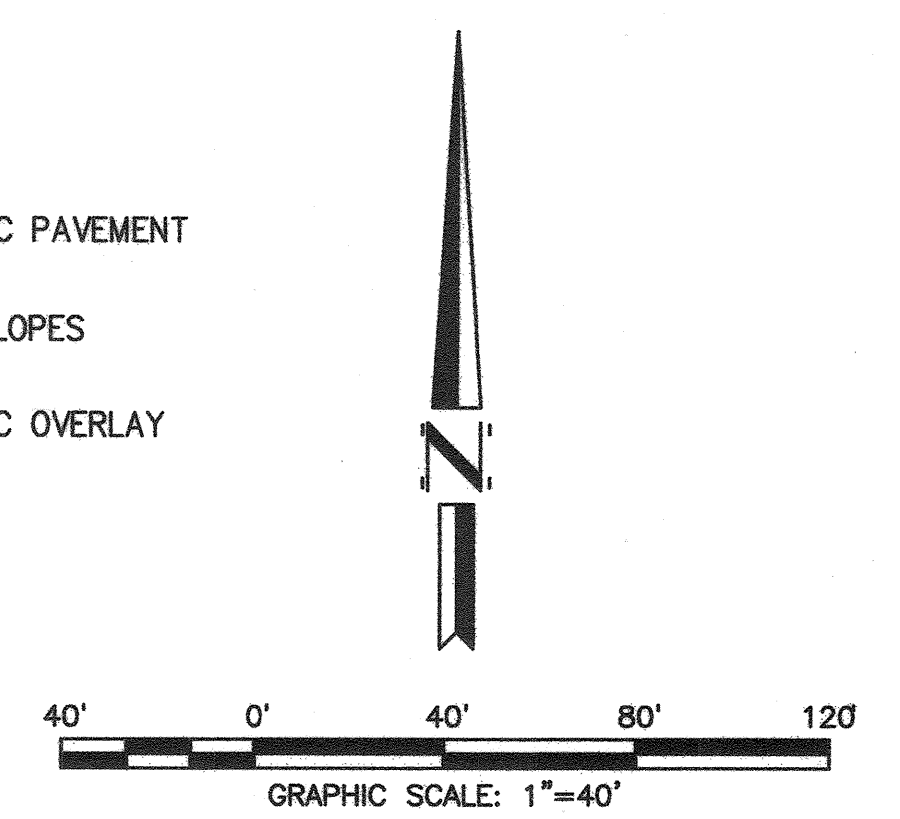
- LEGEND**
- PROP. AC PAVEMENT
 - PROP. SLOPES
 - PROP. AC OVERLAY

Curve Table

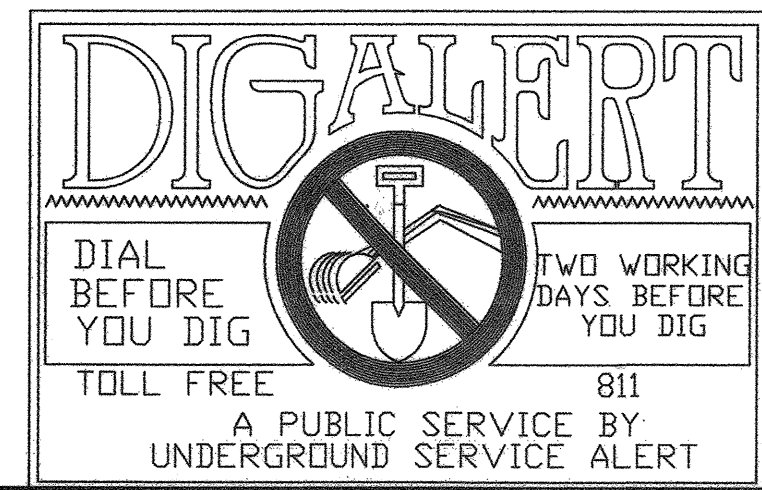
Curve #	Length	Radius	Delta	Tangent
C1	80.20'	3544.00'	1°17'48"	40.10'
C2	256.88'	3456.00'	04°15'31"	128.50'
C3	87.38'	2400.00'	02°05'10"	43.69'

Line Table

Line #	Length	Direction
L1	157.37'	N89°01'45"E
L2	289.29'	N86°42'44"W



REG. NO. 35165
 COUNTY OVERSIGHT ENGINEER
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR

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MARK	BY	DATE	REVISIONS	APPR	DATE



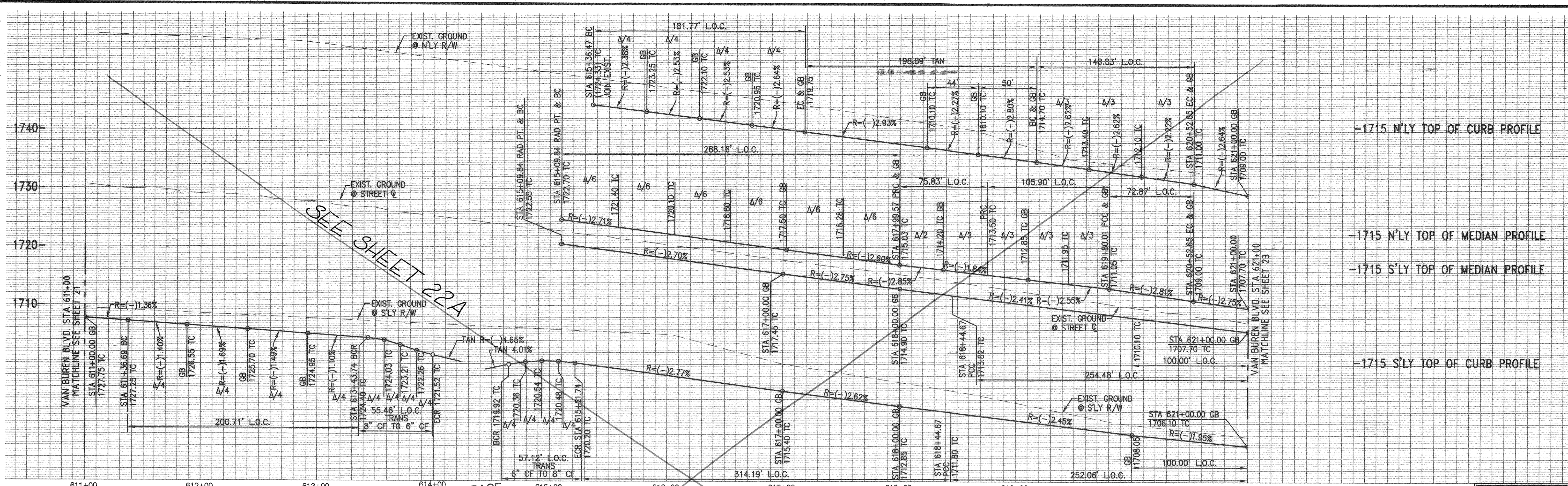
dORC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 DATE: 4/18/18
 GREGORY R. COOKE R.C.E. 39478

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

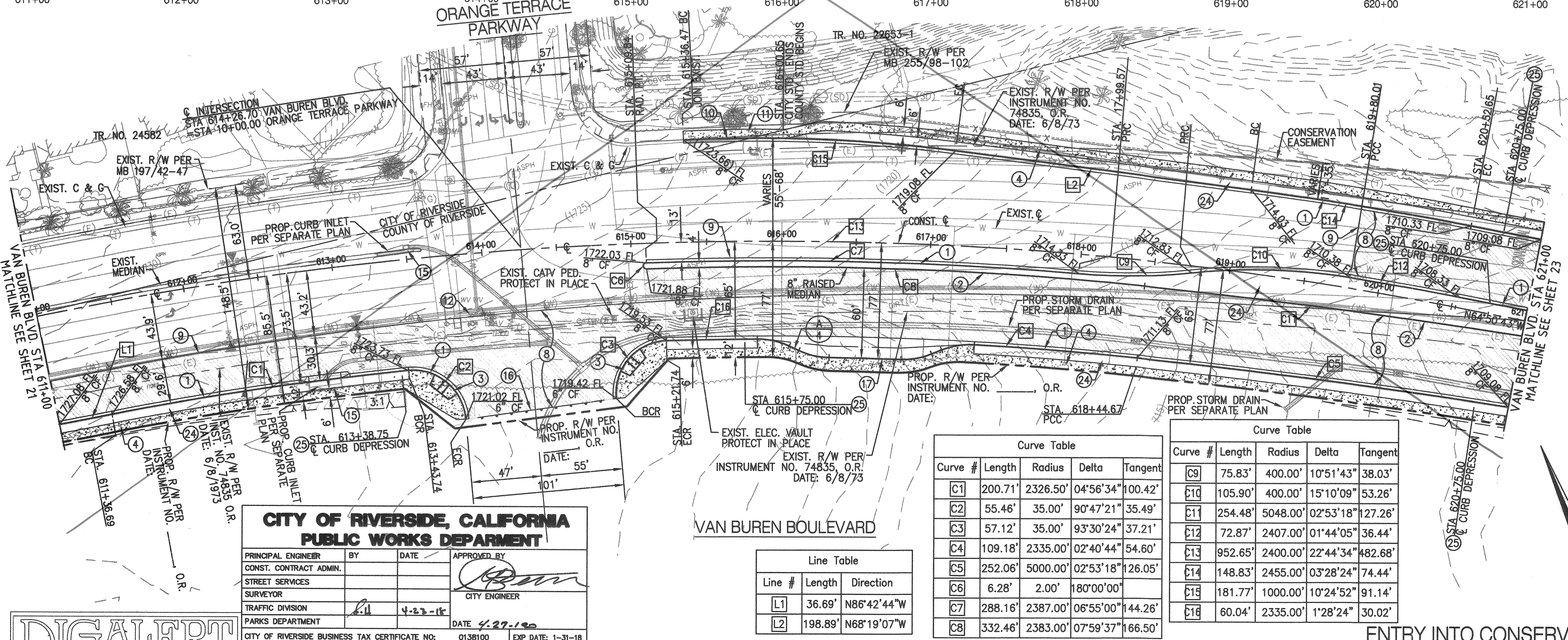
BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

MS 4320 IP 170023
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

SHEET NO. 21
 OF 31 SHEETS
 COUNTY FILE NO. 9105-MM



-1715 N'LY TOP OF CURB PROFILE
 -1715 N'LY TOP OF MEDIAN PROFILE
 -1715 S'LY TOP OF MEDIAN PROFILE
 -1715 S'LY TOP OF CURB PROFILE



CONSTRUCTION NOTES:
 (BY CONTRACTOR)

- 1 CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
- 2 CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
- 3 CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STD NO. 403
- 4 CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
- 8 CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
- 9 JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
- 10 CONSTRUCT P.C.C. CURB & GUTTER, TYPE I, (8" CF) PER CITY OF RIVERSIDE STD NO. 200
- 11 CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER CITY OF RIVERSIDE STD NO. 325
- 12 ADJUST EXISTING WATER VALVE TO GRADE
- 15 INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
- 16 INSTALL BARRICADE PER COUNTY OF RIVERSIDE STD DWG NO. 810
- 17 CONSTRUCT BUS TURNOUT PER COUNTY OF RIVERSIDE STD DWG NO. 814 & DETAILS ON SHEET 4
- 24 DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
- 25 DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'

Curve Table

Curve #	Length	Radius	Delta	Tangent
C1	200.71'	2326.50'	04°56'34"	100.42'
C2	55.46'	35.00'	90°47'21"	35.49'
C3	57.12'	35.00'	93°30'24"	37.21'
C4	109.18'	2335.00'	02°40'44"	54.60'
C5	252.06'	5000.00'	02°53'18"	126.05'
C6	6.28'	2.00'	180°00'00"	
C7	288.16'	2387.00'	06°55'00"	144.26'
C8	332.46'	2383.00'	07°59'37"	166.50'

Curve Table

Curve #	Length	Radius	Delta	Tangent
C9	75.83'	400.00'	10°51'43"	38.03'
C10	105.90'	400.00'	15°10'09"	53.26'
C11	254.48'	5048.00'	02°53'18"	127.26'
C12	72.87'	2407.00'	01°44'05"	36.44'
C13	952.65'	2400.00'	22°44'34"	482.68'
C14	148.83'	2455.00'	03°28'24"	74.44'
C15	181.77'	1000.00'	10°24'52"	91.14'
C16	60.04'	2335.00'	1°28'24"	30.02'

Line Table

Line #	Length	Direction
L1	36.69'	N86°42'44"W
L2	198.89'	N68°19'07"W

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

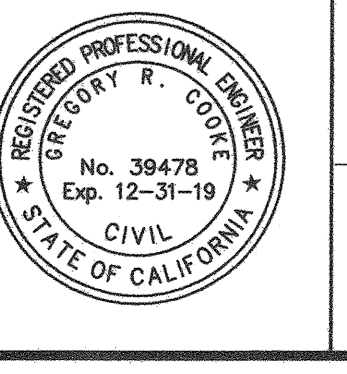
PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			CITY ENGINEER
TRAFFIC DIVISION			
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO.	0138100	EXP DATE: 1-31-18	

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR

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DIG ALERT
 DIAL BEFORE YOU DIG
 TOLL FREE 811
 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

DATE SIGNED: 5-17-18
 REGISTRATION NUMBER: 3515
 COUNTY OVERSIGHT ENGINEER: [Signature]
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



ORC Engineering, Inc.
 Civil Engineering, Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

DATE: 4/18/18
 R.C.E. 39478

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "2 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

CITY OF RIVERSIDE
 PW17-0337
 R-4413

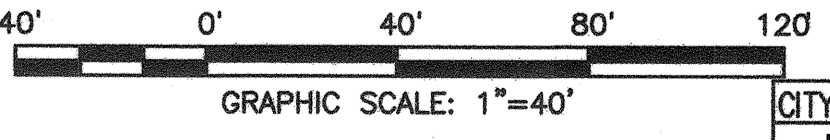
MS 4320 IP 170023

**COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS**

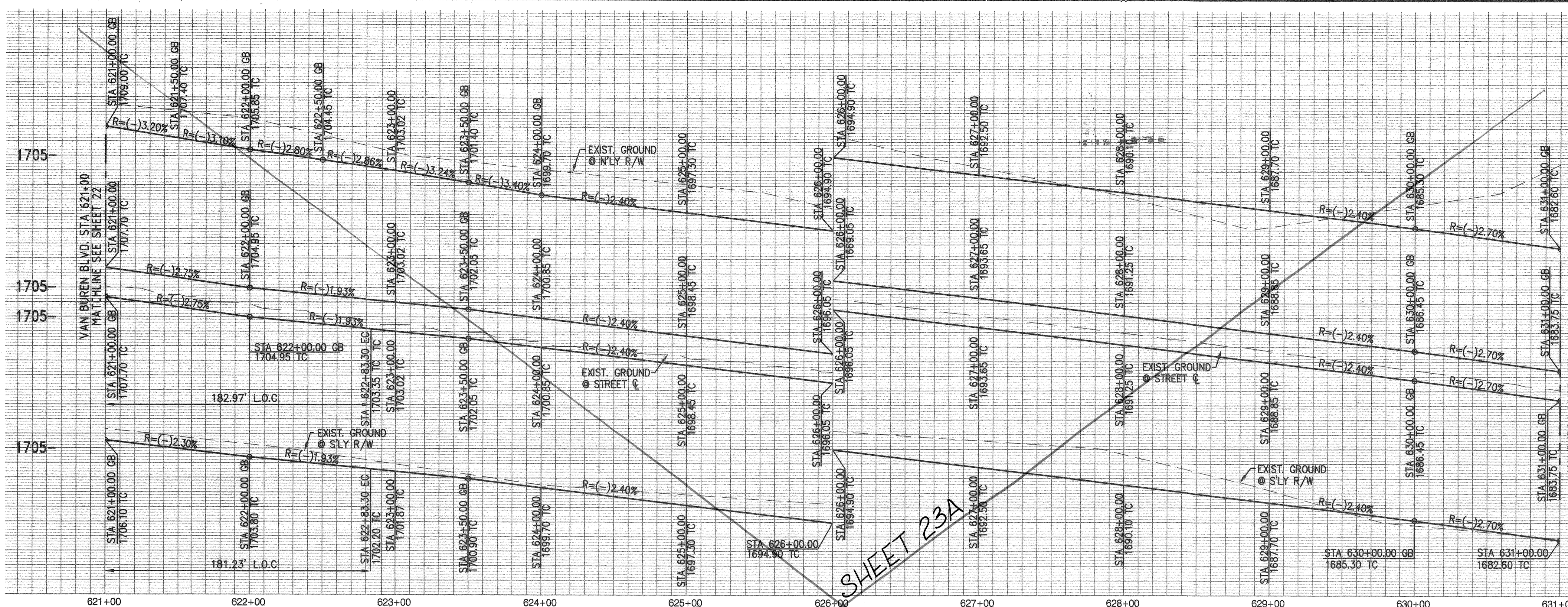
VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

SHEET NO. 22
 OF 31 SHTS

FOR: W.O.
 COUNTY FILE NO. 905-NM

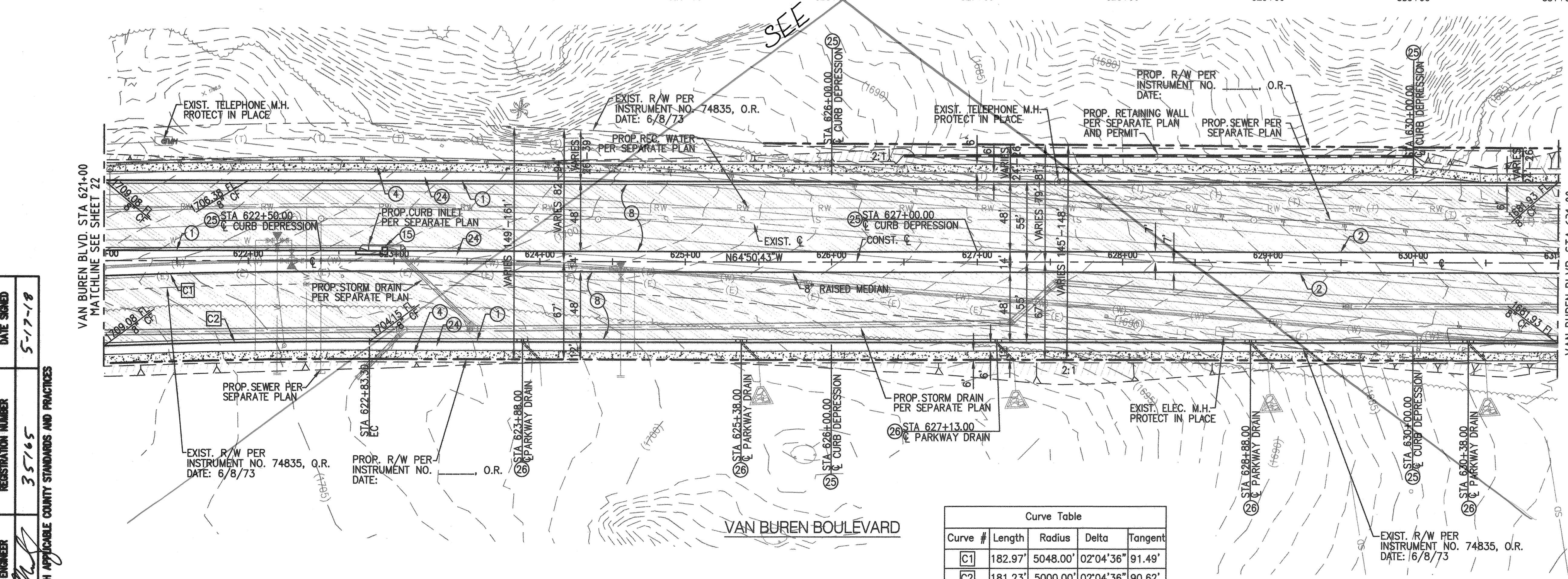


ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED



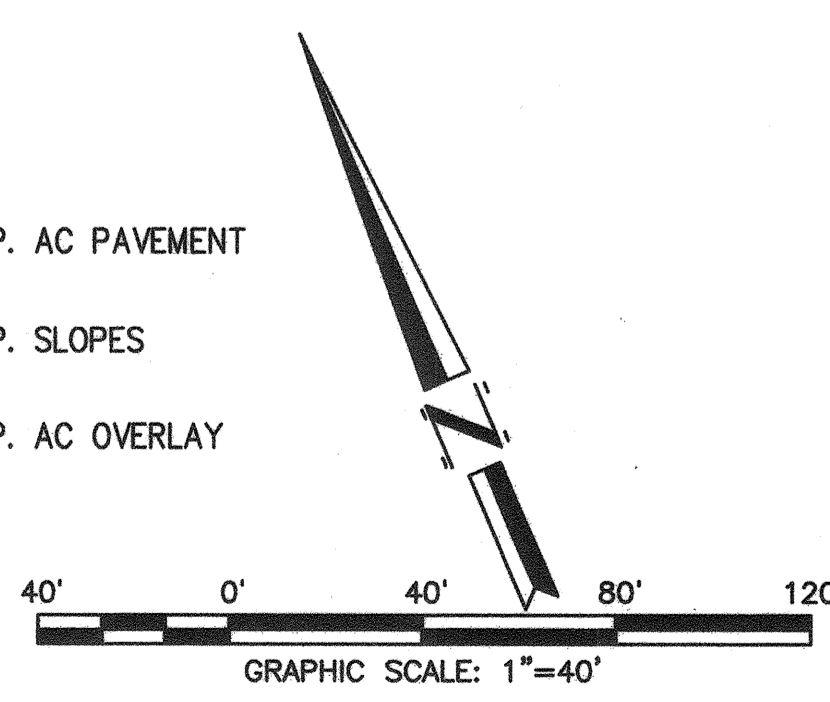
-1680 N'LY TOP OF CURB PROFILE
 -1680 N'LY TOP OF MEDIAN PROFILE
 -1680 S'LY TOP OF MEDIAN PROFILE
 -1680 S'LY TOP OF CURB PROFILE

PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'



- CONSTRUCTION NOTES:**
 (BY CONTRACTOR)
- CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
 - CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
 - DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
 - DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4
 - CONSTRUCT MODIFIED PARKWAY DRAIN PER DETAIL ON SHEET 31

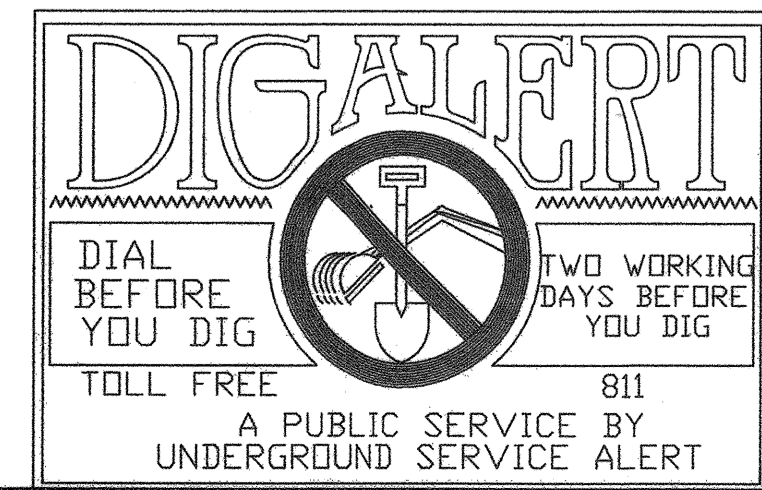
- LEGEND**
- PROP. AC PAVEMENT
 - PROP. SLOPES
 - PROP. AC OVERLAY



Curve Table

Curve #	Length	Radius	Delta	Tangent
C1	182.97'	5048.00'	02°04'36"	91.49'
C2	181.23'	5000.00'	02°04'36"	90.62'

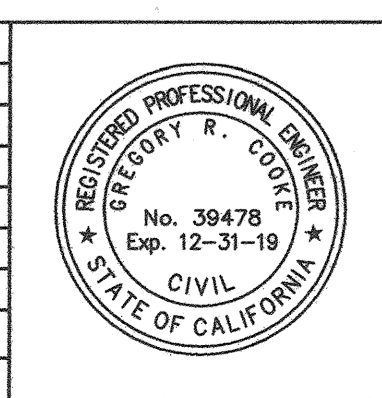
RECORD COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



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MARK	BY	DATE	REVISIONS	APPR	DATE

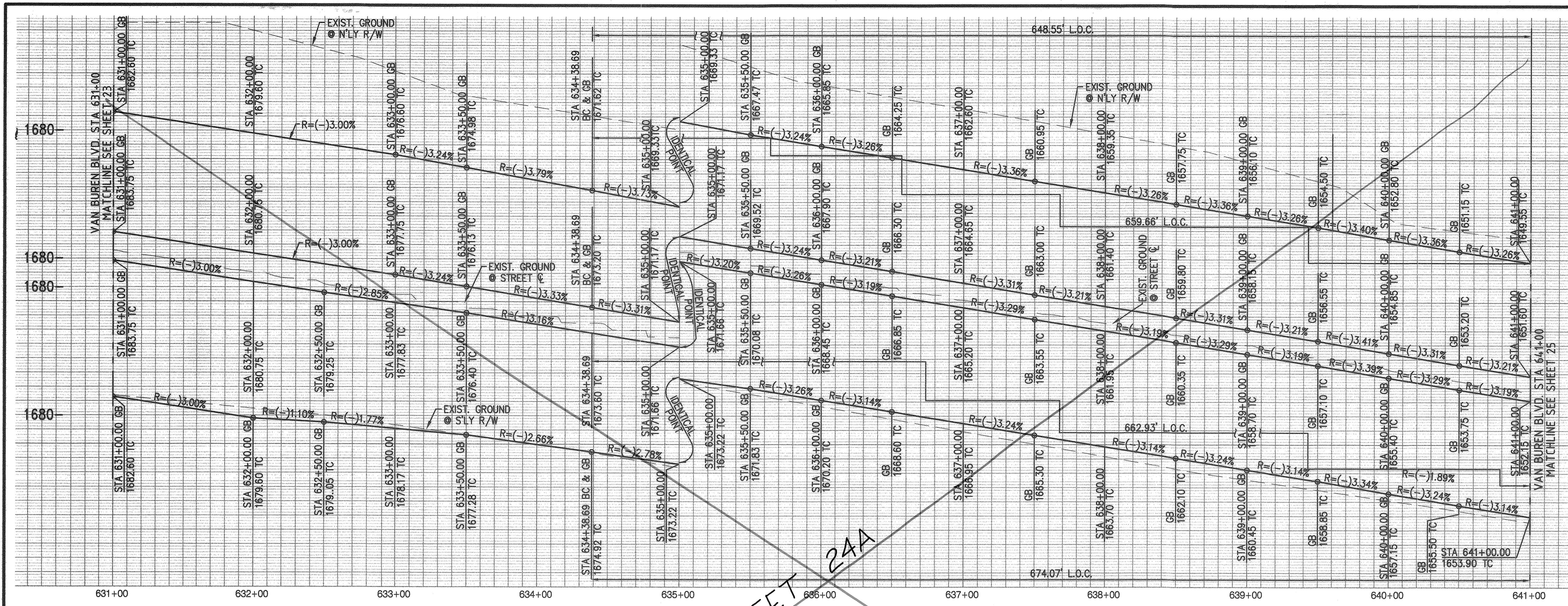


dorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 GREGORY R. COOKE R.C.E. 39478

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

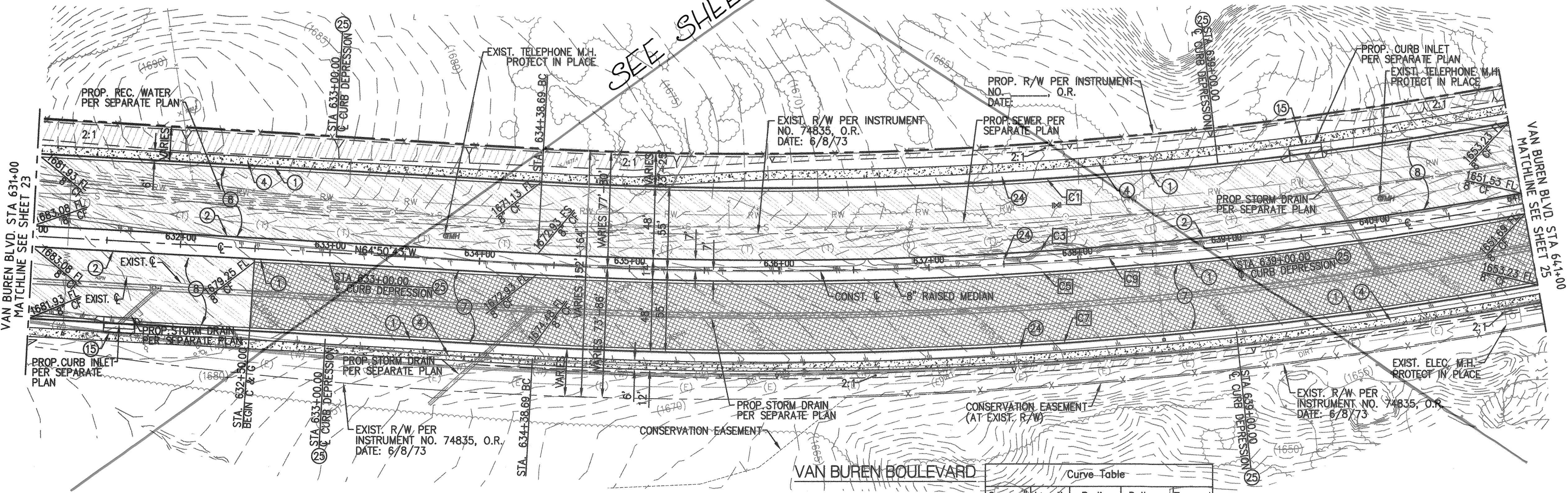
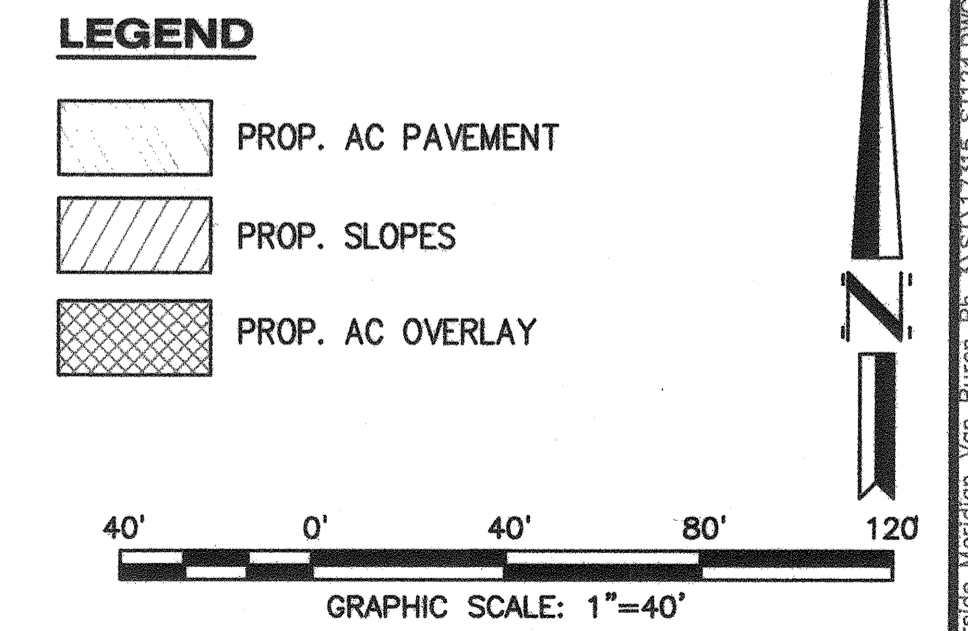
MS 4320 IP 170023
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET
 SHEET NO. 23
 OF 31 SHTS
 COUNTY FILE NO. 965-NM



- 1650' N'LY TOP OF CURB PROFILE
 - 1650' N'LY TOP OF MEDIAN PROFILE
 - 1650' S'LY TOP OF MEDIAN PROFILE
 - 1650' S'LY TOP OF CURB PROFILE

PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'

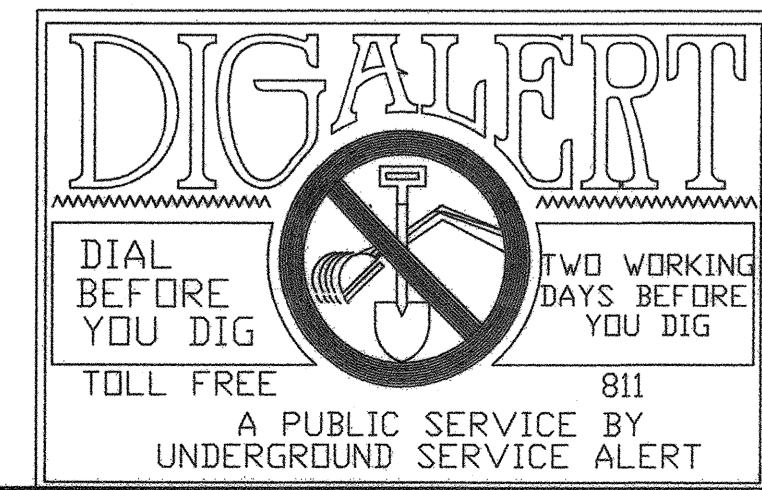
- CONSTRUCTION NOTES:**
 (BY CONTRACTOR)
- CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
 - CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
 - CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
 - COLD MILL AS REQUIRED TO CONSTRUCT 1 1/2" MIN. OVERLAY
 - CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
 - INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
 - DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
 - DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4



Curve Table

Curve #	Length	Radius	Delta	Tangent
C1	648.55'	2795.00'	13°17'41"	325.74'
C3	659.66'	2843.00'	13°17'39"	331.32'
C5	662.93'	2857.00'	13°17'41"	332.96'
C7	674.07'	2905.00'	13°17'41"	338.56'
C9	661.31'	2850.00'	13°17'41"	332.15'

RECORD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER DATE SIGNED
 35765 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



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MARK	BY	DATE	REVISIONS	APPR	DATE



dlorc Engineering, Inc.
 Civil Engineering/Land Surveying/Planning

160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

4/18/18 DATE

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

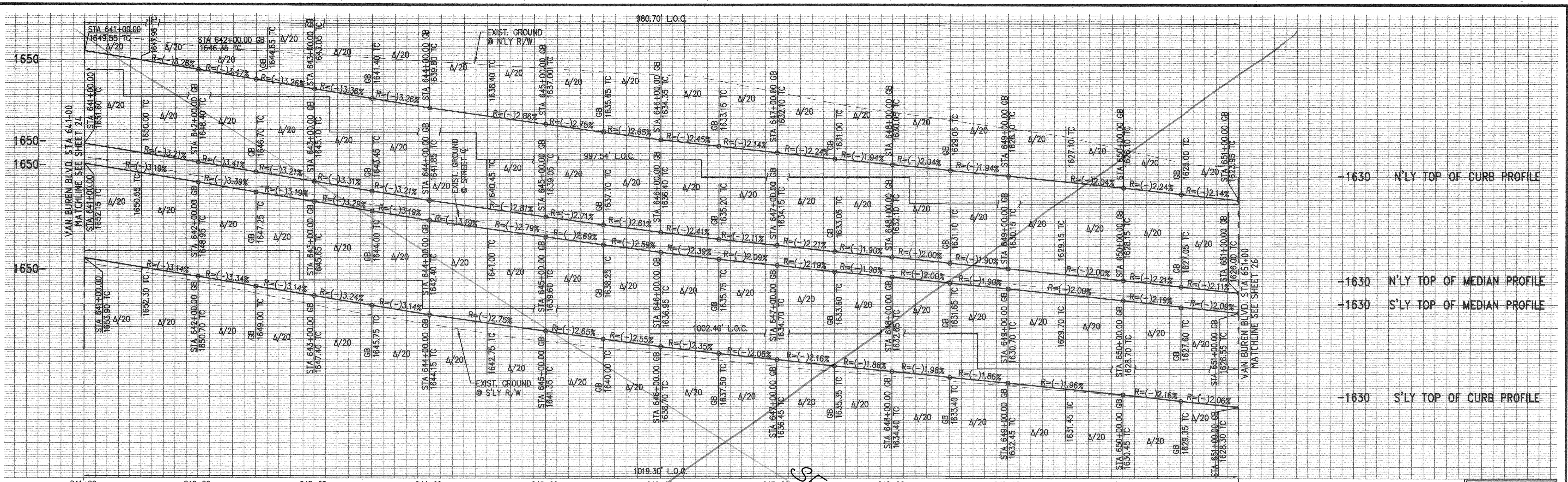
BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD. RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68 DATUM: NAD83 ADJ. 1971 ELEVATION 1532.70 SCALE: H. AS SHOWN V. N/A

MS 4320 IP 170023

COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

SHEET NO. 24 OF 31 SHEETS

FOR: W.O. COUNTY FILE NO. 965-MM



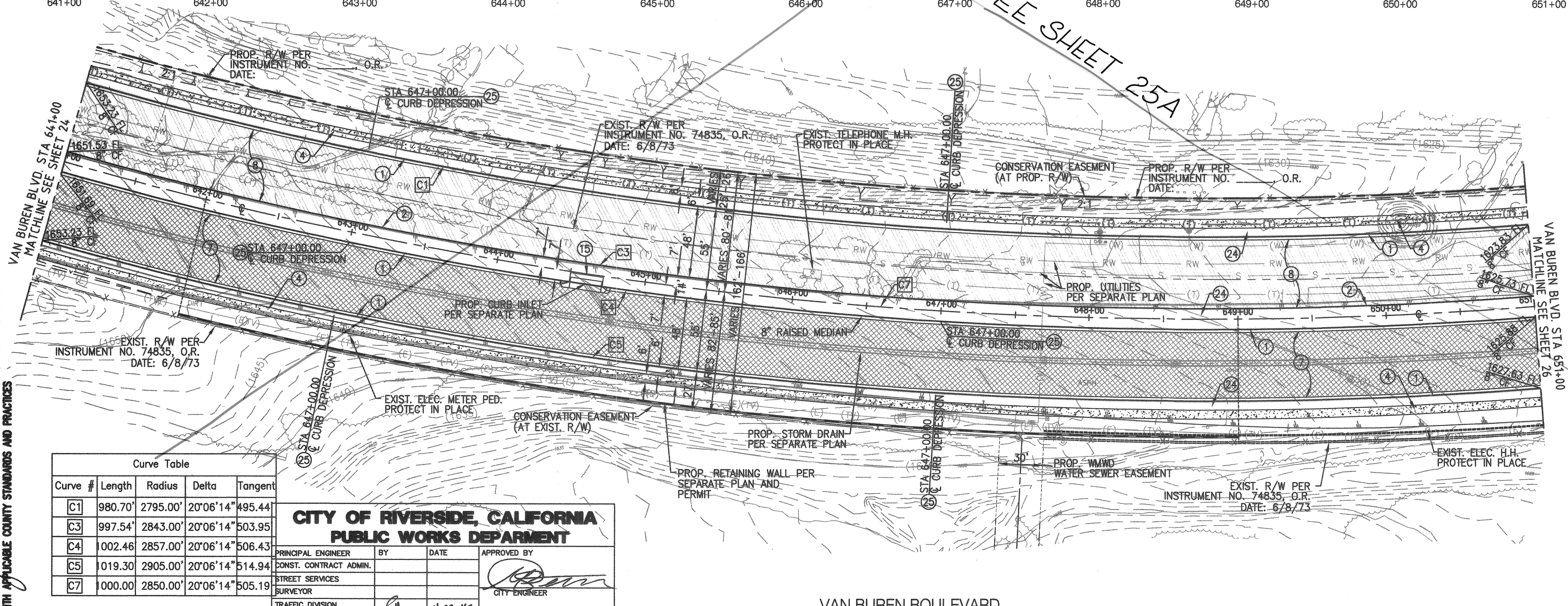
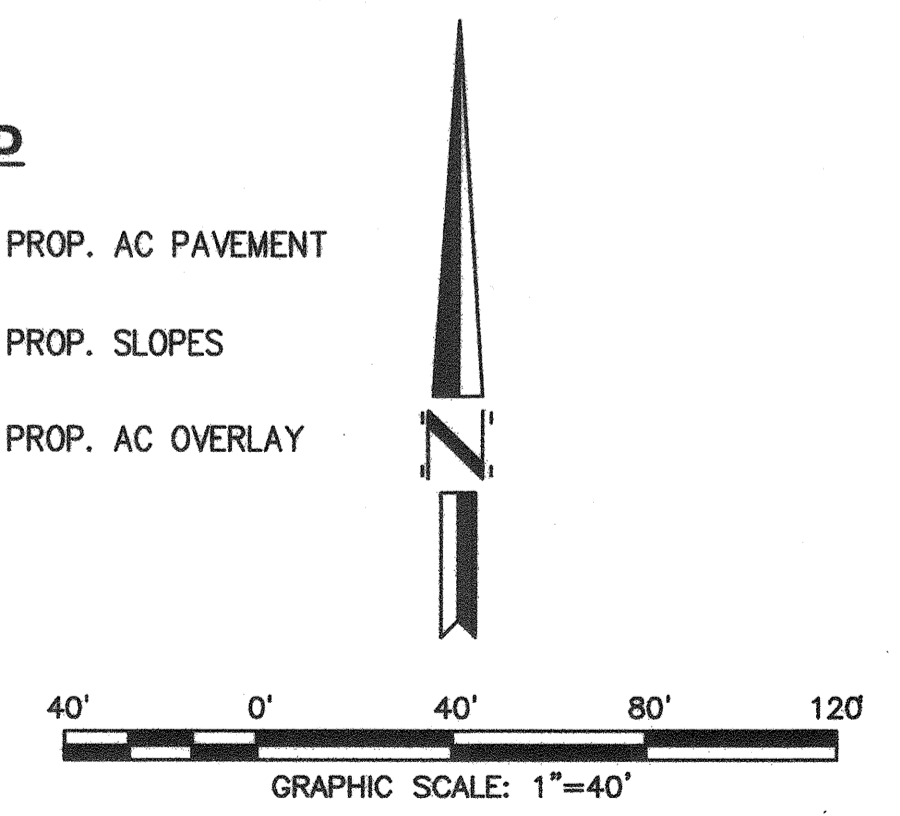
PROFILE SCALE
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=40'

CONSTRUCTION NOTES:

- (BY CONTRACTOR)
- ① CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
- ② CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
- ④ CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO's. 400 & 401
- ⑦ COLD MILL AS REQUIRED TO CONSTRUCT 1 1/2" MIN. OVERLAY
- ⑧ CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
- ⑮ INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
- ⑳ DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
- ㉕ DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

LEGEND

- PROP. AC PAVEMENT
- PROP. SLOPES
- PROP. AC OVERLAY

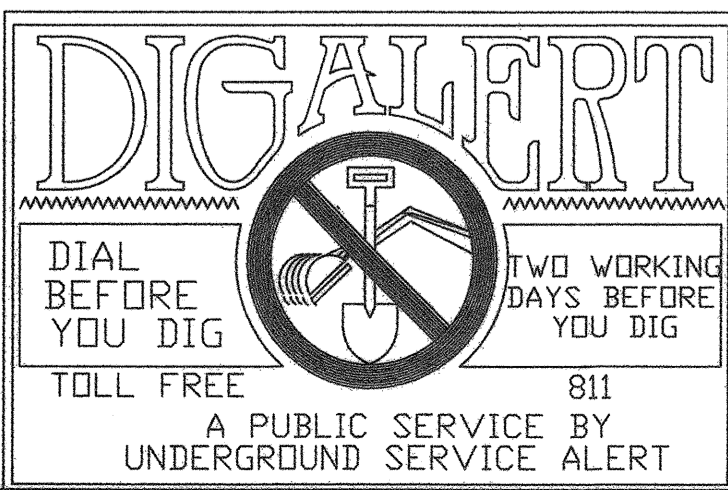


Curve Table

Curve #	Length	Radius	Delta	Tangent
C1	980.70'	2795.00'	20°06'14"	495.44'
C3	997.54'	2843.00'	20°06'14"	503.95'
C4	002.46'	2857.00'	20°06'14"	506.43'
C5	019.30'	2905.00'	20°06'14"	514.94'
C7	000.00'	2850.00'	20°06'14"	505.19'

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER: _____ BY: _____ DATE: 4-27-15
 CONST. CONTRACT ADMIN.: _____
 STREET SERVICES SURVEYOR: _____
 TRAFFIC DIVISION: _____ DATE: 4-27-15
 PARKS DEPARTMENT: _____
 CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100 EXP DATE: 1-31-18



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

MARK	BY	DATE



dorc Engineering, Inc.
 Civil Engineering / Land Surveying / Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 GREGORY R. COOKE R.C.E. 39478
 DATE: 4/18/18

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

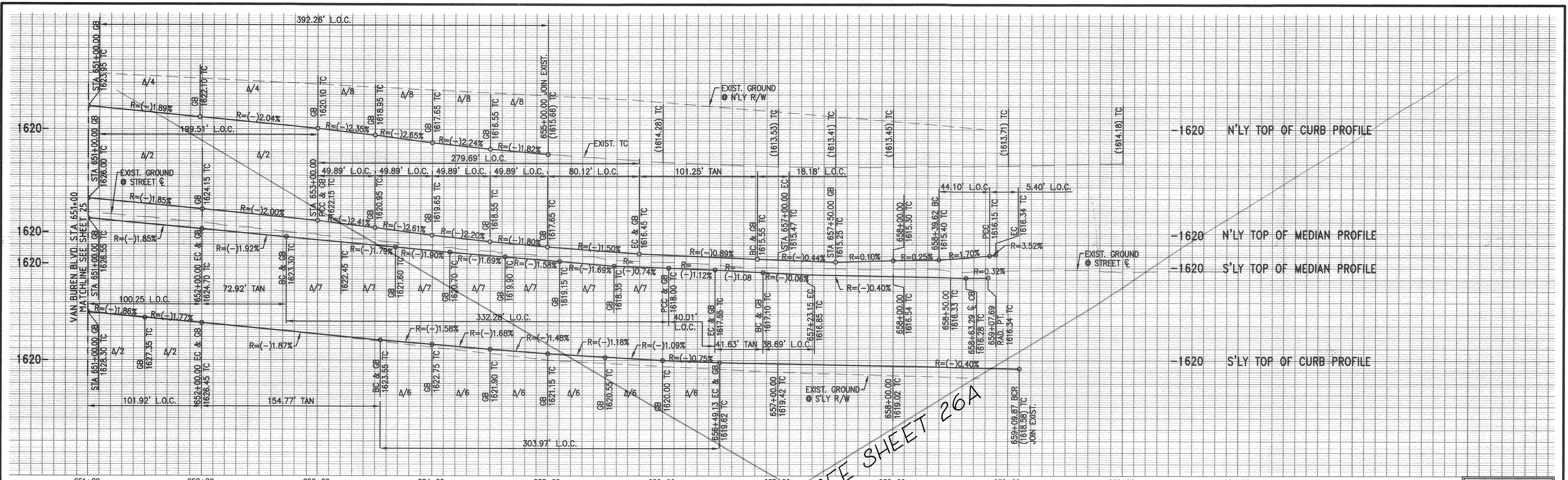
CITY OF RIVERSIDE PW17-0337 R-4413 SHEET NO. 25 OF 31 SHEETS

COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD
 PLAN AND PROFILE SHEET

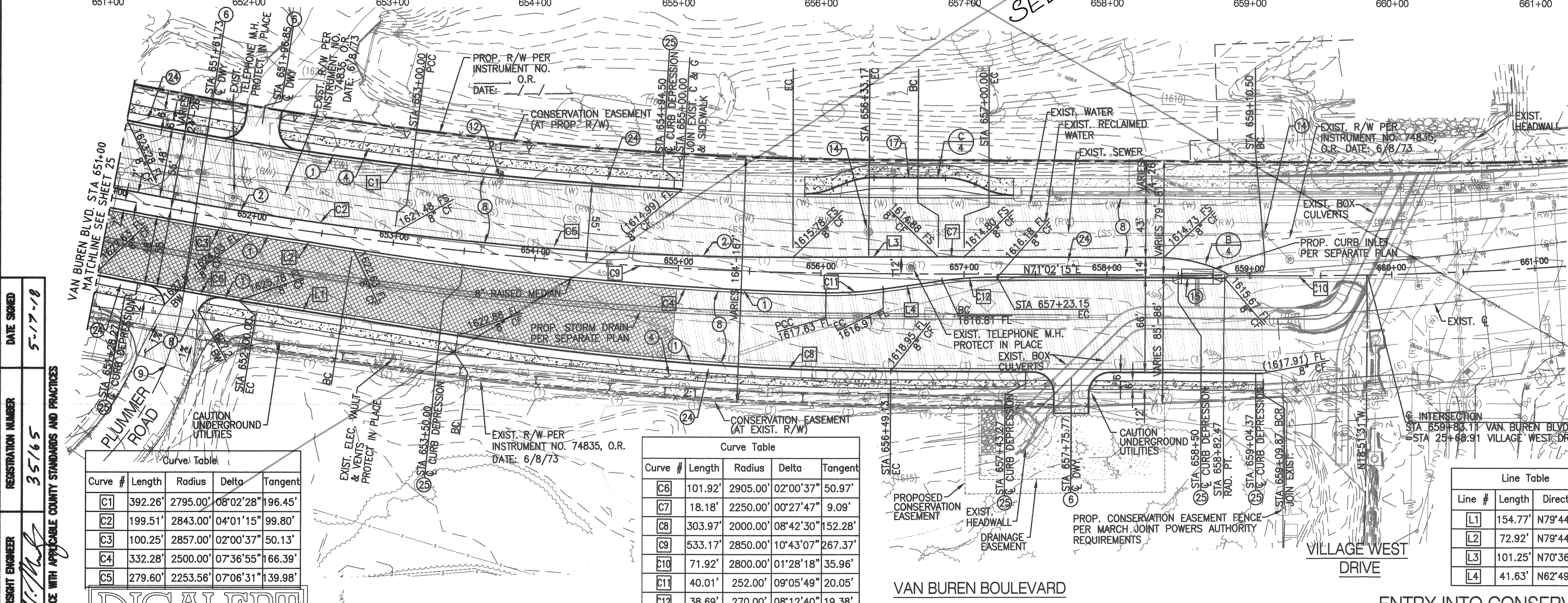
MS 4320 IP 170023
 BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68
 DATUM: NVD29 ADJ. 1971
 ELEVATION 1532.70
 SCALE: H. AS SHOWN V. N/A

FOR: _____ W.O. _____ COUNTY FILE NO. 9105-MM

RECORD COUNTY OVERSIGHT ENGINEER: _____ DATE SIGNED: 5-17-18
 REGISTRATION NUMBER: 35165
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



SEE SHEET 26A



CONSTRUCTION NOTES:
(BY CONTRACTOR)

- 1 CONSTRUCT P.C.C. CURB & GUTTER, TYPE A-8, (8" CF) PER COUNTY OF RIVERSIDE STD. NO 201
- 2 CONSTRUCT P.C.C. CURB ONLY, TYPE D CURB (8" CF) PER COUNTY OF RIVERSIDE STD. NO. 204
- 4 CONSTRUCT P.C.C. SIDEWALK, 4" THICK PER COUNTY OF RIVERSIDE STD. NO'S. 400 & 401
- 6 CONSTRUCT P.C.C. COMMERCIAL/INDUSTRIAL DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STD. NO. 207A W=24'
- 7 COLD MILL AS REQUIRED TO CONSTRUCT 1 1/2" MIN. OVERLAY
- 8 CONSTRUCT A.C. PAVEMENT (EST. AT 6" AC OVER 22" CAB). SOILS ENGINEER TO PROVIDE "R-VALUE" TESTING AND APPROVED STREET SECTION
- 9 JOIN EXISTING PAVEMENT PER DETAIL 9 SHEET 4
- 12 ADJUST EXISTING WATER VALVE TO GRADE
- 14 ADJUST EXISTING MANHOLE TO GRADE
- 15 INSTALL CATCH BASIN STENCILING PER DETAIL 15 ON SHEET 4
- 17 CONSTRUCT BUS TURNOUT PER COUNTY OF RIVERSIDE STD DWG NO. 814 & DETAILS ON SHEET 4
- 24 DEPRESS FINISH GRADE 3"± WITHIN PARKWAY & MEDIAN PER DETAIL ON SHEET 4
- 25 DEPRESS CURB & GUTTER FOR PARKWAY & MEDIAN DRAINAGE PER DETAIL ON SHEET 4

PROFILE SCALE
VERTICAL: 1"=8'
HORIZONTAL: 1"=40'

Curve Table

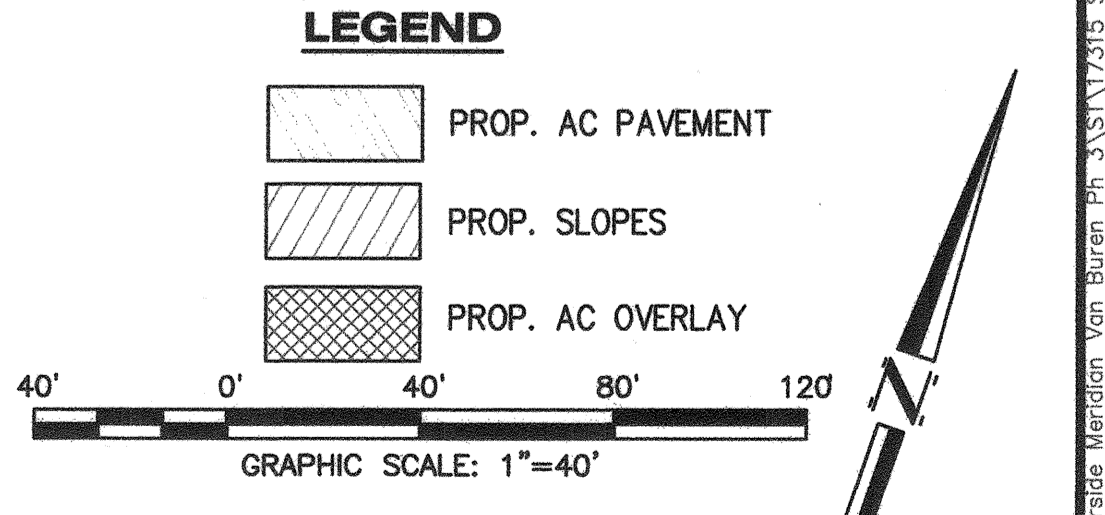
Curve #	Length	Radius	Delta	Tangent
C1	392.26'	2795.00'	08°02'28"	196.45'
C2	199.51'	2843.00'	04°01'15"	99.80'
C3	100.25'	2857.00'	02°00'37"	50.13'
C4	332.28'	2500.00'	07°36'55"	166.39'
C5	279.60'	2253.56'	07°06'31"	139.98'

Curve Table

Curve #	Length	Radius	Delta	Tangent
C6	101.92'	2905.00'	02°00'37"	50.97'
C7	18.18'	2250.00'	00°27'47"	9.09'
C8	303.97'	2000.00'	08°42'30"	152.28'
C9	533.17'	2850.00'	10°43'07"	267.37'
C10	71.92'	2800.00'	01°28'18"	35.96'
C11	40.01'	252.00'	09°05'49"	20.05'
C12	38.69'	270.00'	08°12'40"	19.38'

Line Table

Line #	Length	Direction
L1	154.77'	N79°44'45"E
L2	72.92'	N79°44'45"E
L3	101.25'	N70°36'10"E
L4	41.63'	N62°49'35"E



RECD: COUNTY OVERSIGHT ENGINEER
REGISTRATION NUMBER: 35165
DATE SIGNED: 5-17-18

DIGALERT
DIAL BEFORE YOU DIG
TOLL FREE 811
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.

MARK	BY	DATE	REVISIONS	APPR	DATE



DRRC Engineering, Inc.
Civil Engineering/Construction Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

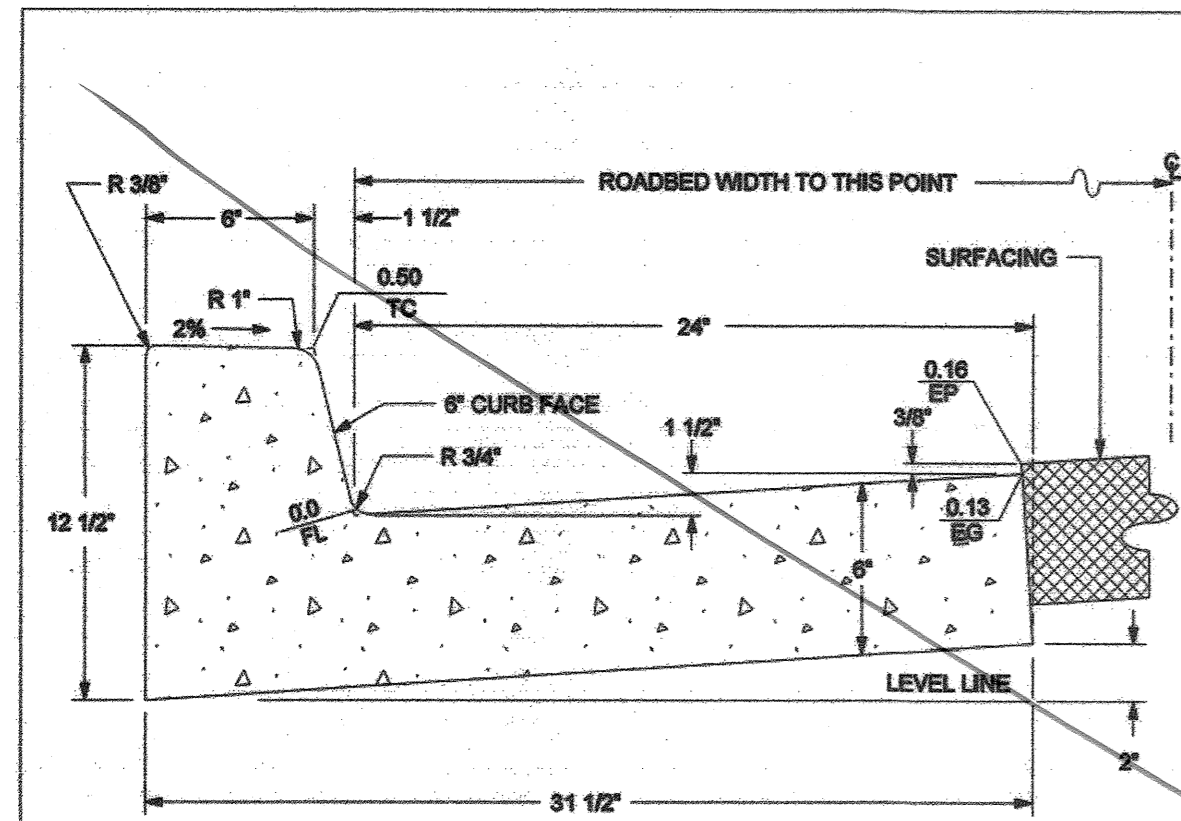
GREGORY R. COOKE R.C.E. 39478

BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "2 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NVD29 ADJ. 1971
ELEVATION: 1532.70
SCALE: AS SHOWN V. N/A

MS 4320 IP 170023
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
VAN BUREN BOULEVARD
PLAN AND PROFILE SHEET

SHEET NO. 26
OF 31 SHTS

DATE: 4/18/18



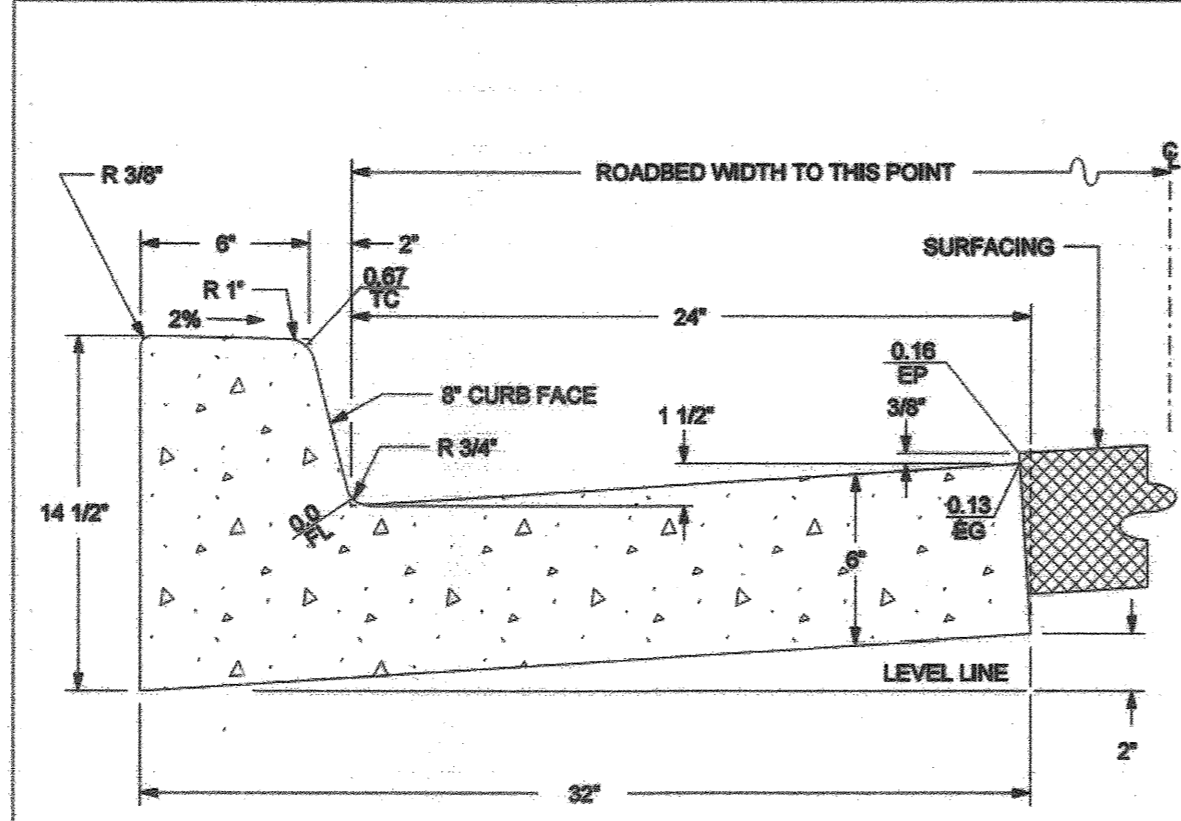
CLASS "B" CONCRETE
1.601 CU. FT. / L.F.
1 CU. YD. = 16.06 L.F.

ABBREVIATIONS:
TC = TOP OF CURB
FL = FLOWLINE
EG = EDGE OF GUTTER
EP = EDGE OF PAVEMENT

APPROVED BY: *George A. Johnson* DATE: 06/01/07
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
TYPE A-6 CURB
STANDARD NO. 200

REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
871, 889	1		4	
240, 11-04	2		6	
	3		6	



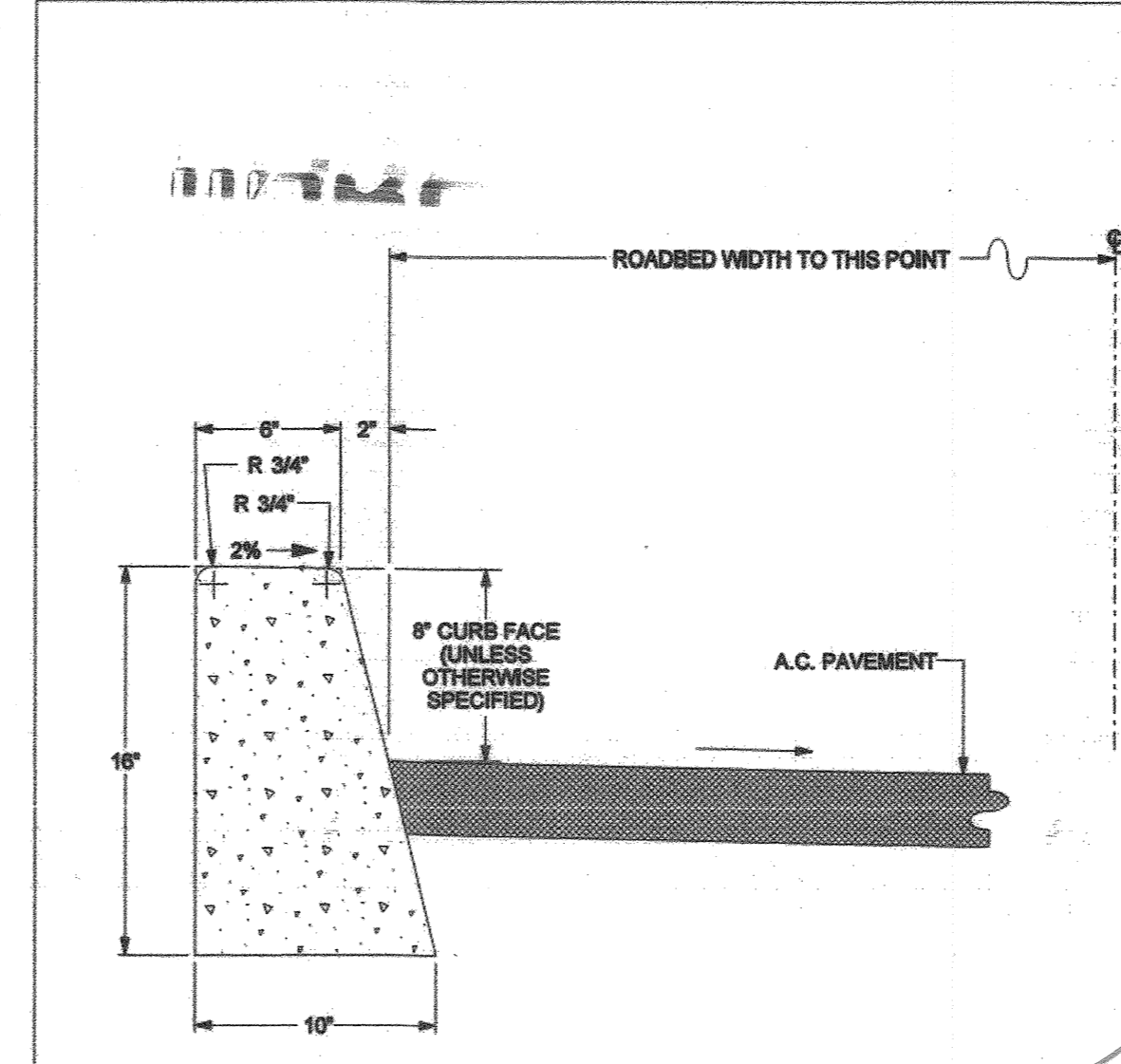
CLASS "B" CONCRETE
1.73 CU. FT. / L.F.
1 CU. YD. = 16.00 L.F.

ABBREVIATIONS:
TC = TOP OF CURB
FL = FLOWLINE
EG = EDGE OF GUTTER
EP = EDGE OF PAVEMENT

APPROVED BY: *George A. Johnson* DATE: 06/01/07
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
TYPE A-8 CURB
STANDARD NO. 201

REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
871, 889	1		4	
240, 11-04	2		6	
	3		6	

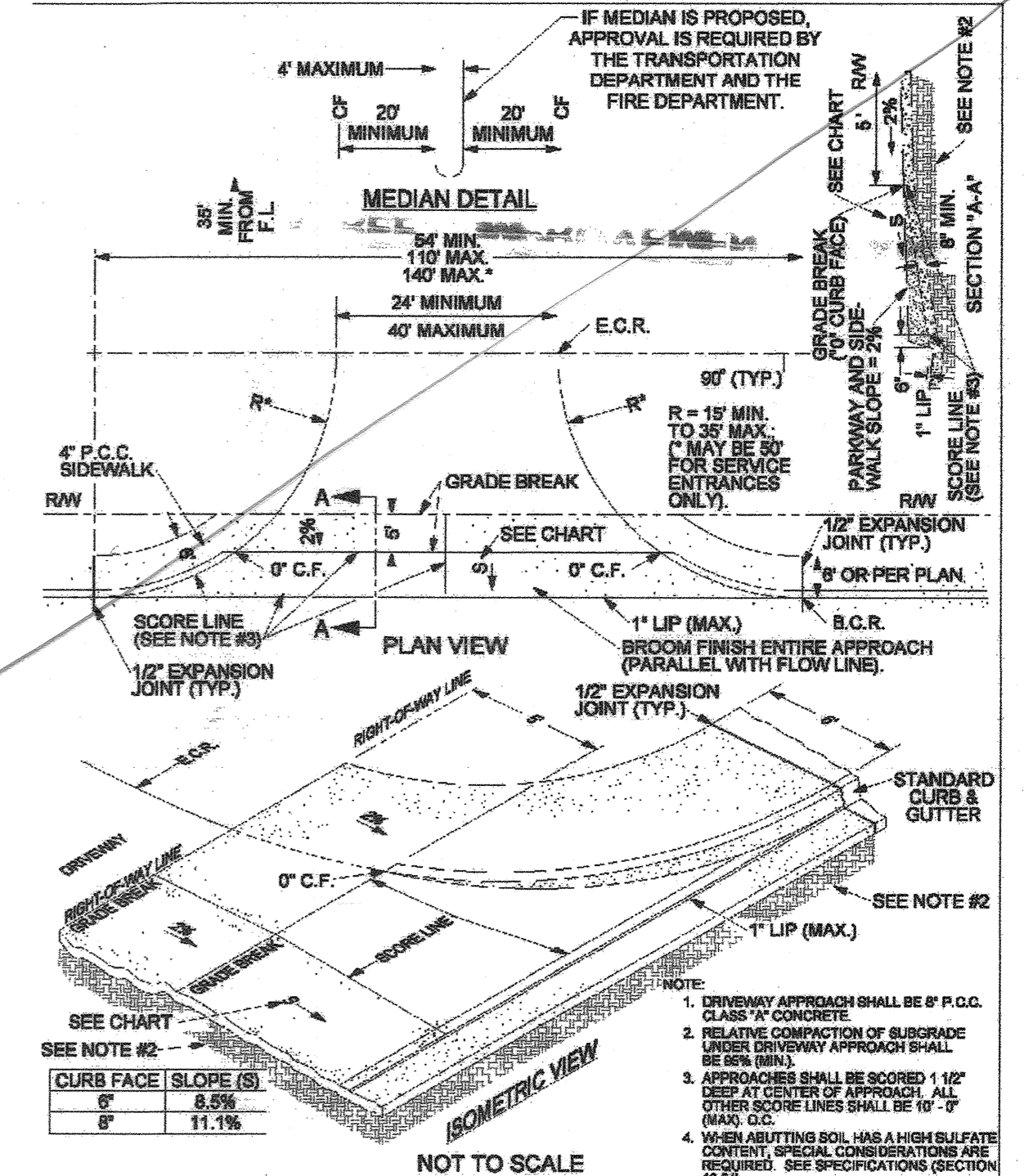


CLASS "B" CONCRETE
0.888 CU. FT. / L.F.
1 CU. YD. = 30.41 L.F.

APPROVED BY: *George A. Johnson* DATE: 06/01/07
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
TYPE "D" CURB
STANDARD NO. 204

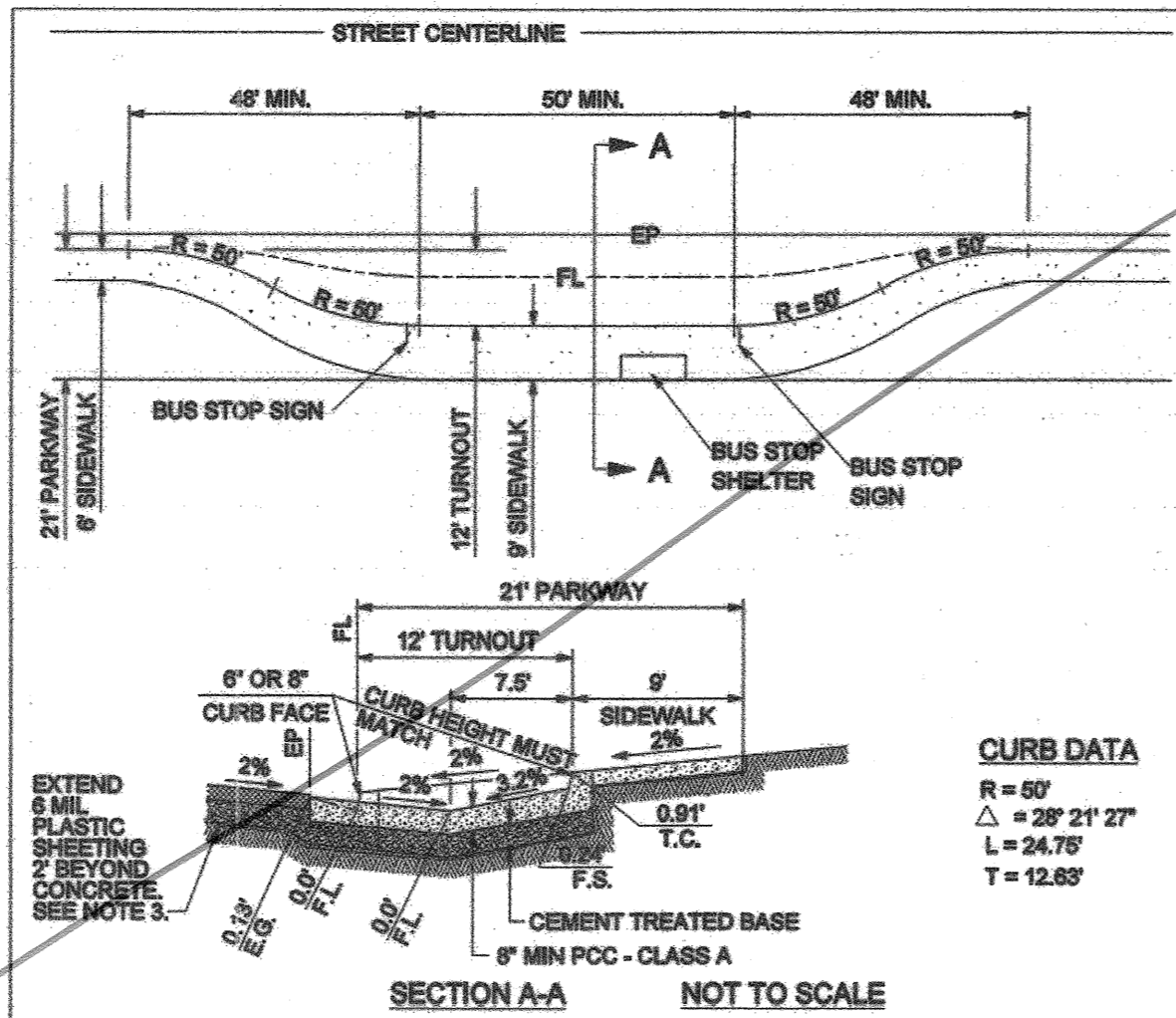
REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
871, 889	1		4	
11-04	2		6	
	3		6	



APPROVED BY: *George A. Johnson* DATE: 11/16/04
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
COMMERCIAL DRIVEWAY
STANDARD NO. 207A (1 OF 2)

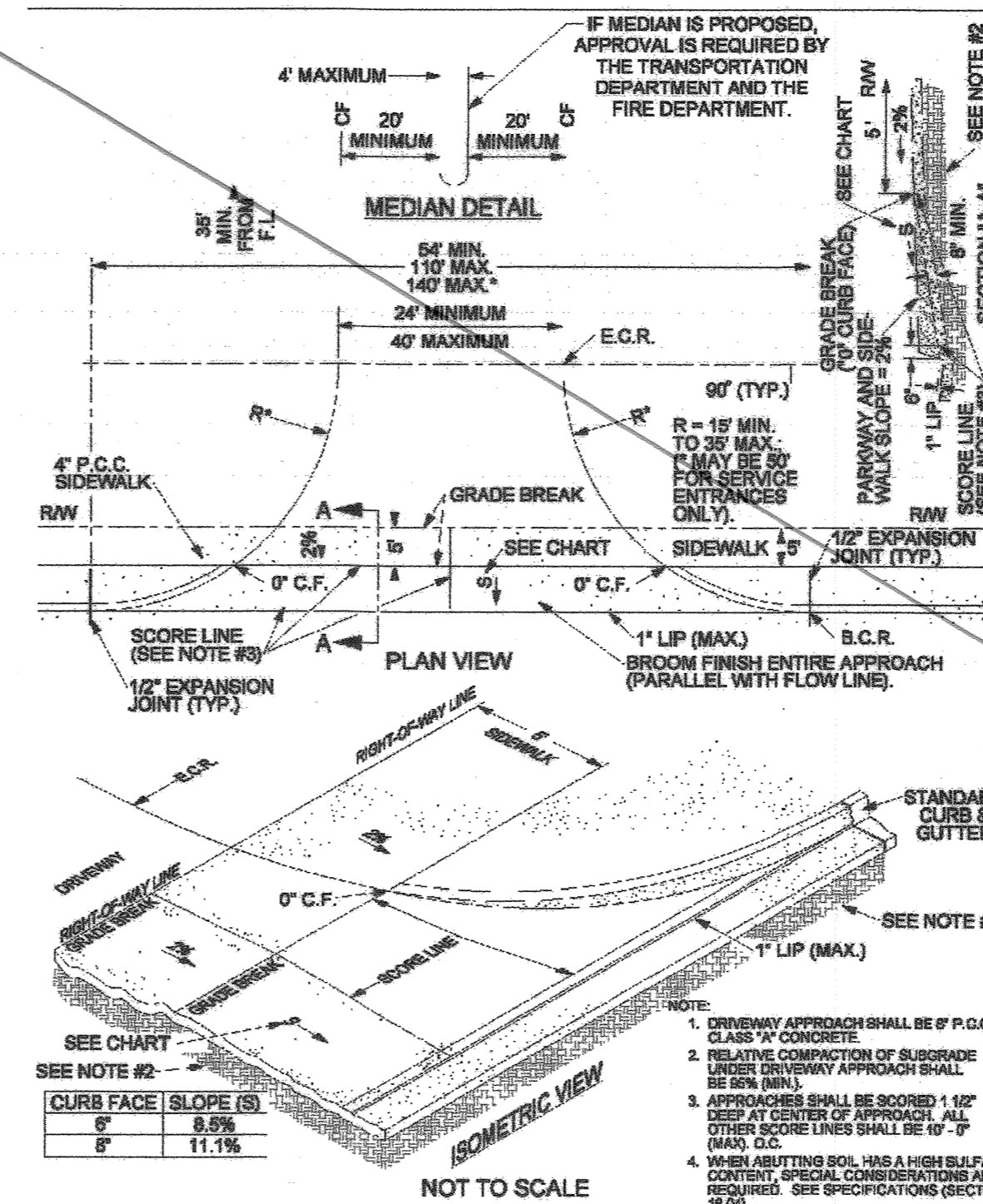
REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
871, 889	1		4	
240, 11-04	2		6	
	3		6	



APPROVED BY: *George A. Johnson* DATE: 06/01/07
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
BUS TURNOUT
STANDARD NO. 814

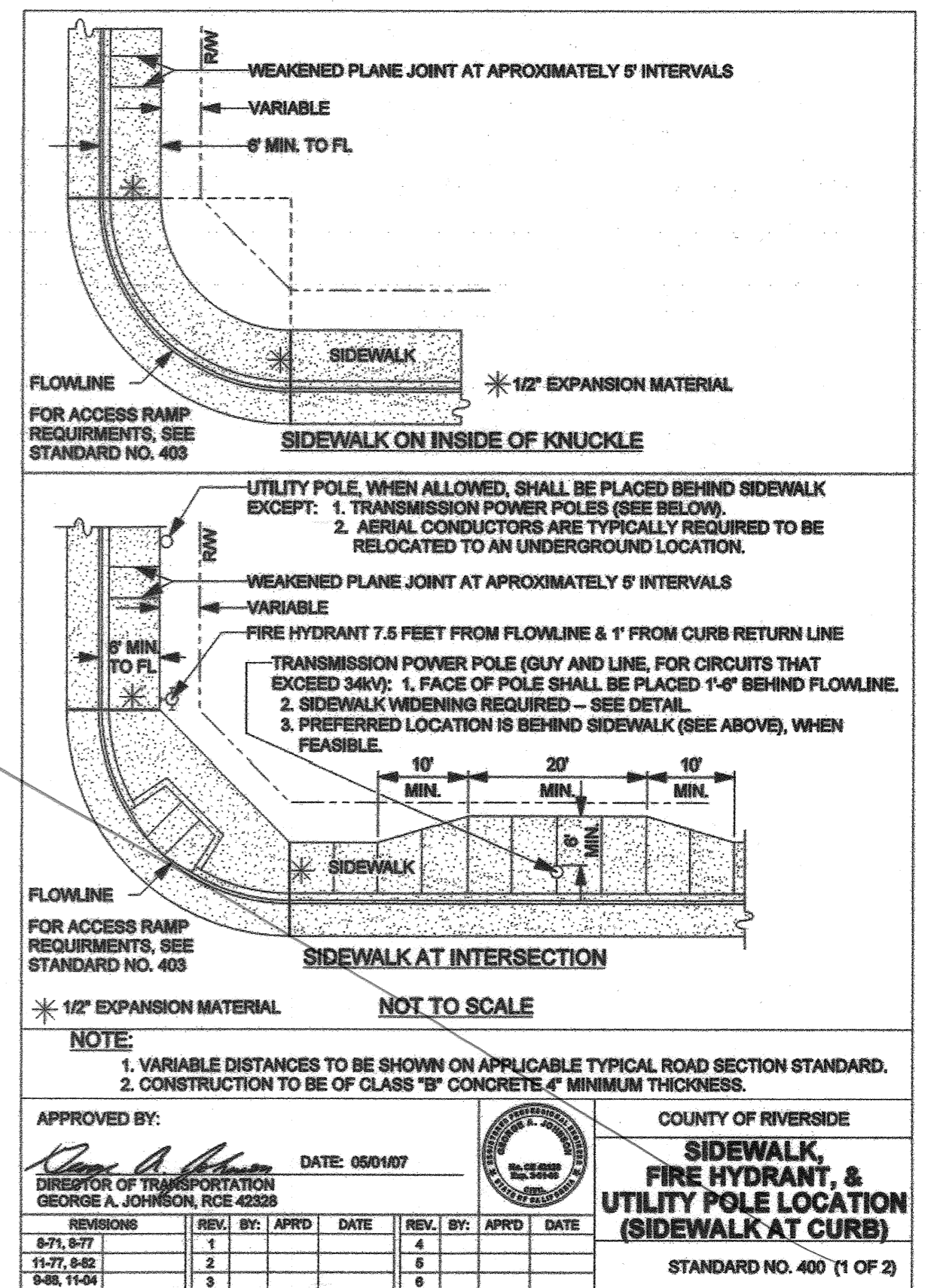
REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
11-04	1		4	
	2		6	
	3		6	



APPROVED BY: *George A. Johnson* DATE: 11/16/04
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
COMMERCIAL DRIVEWAY
STANDARD NO. 207A (2 OF 2)

REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
11-04	1		4	
	2		6	
	3		6	



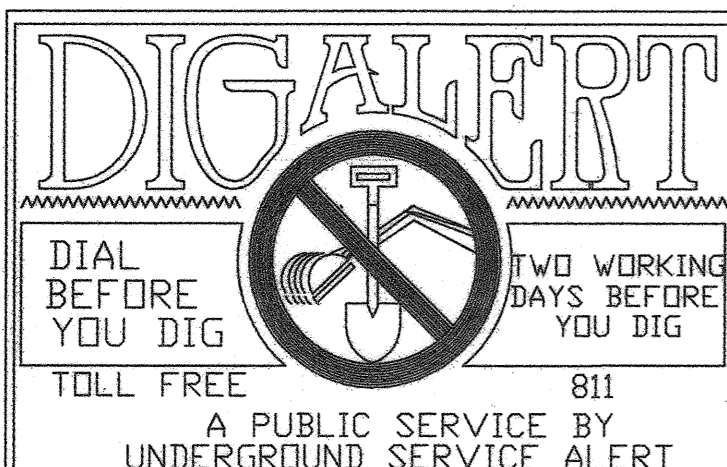
APPROVED BY: *George A. Johnson* DATE: 06/01/07
DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42326

COUNTY OF RIVERSIDE
SIDEWALK, FIRE HYDRANT, & UTILITY POLE LOCATION (SIDEWALK AT CURB)
STANDARD NO. 405 (1 OF 2)

REVISIONS	REV. BY:	APPR. DATE	REV. BY:	APPR. DATE
871, 889	1		4	
11-27, 5-02	2		6	
9-28, 11-04	3		6	

SEE SHEET 27A

REGID COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER DATE SIGNED
35165 5-17-18



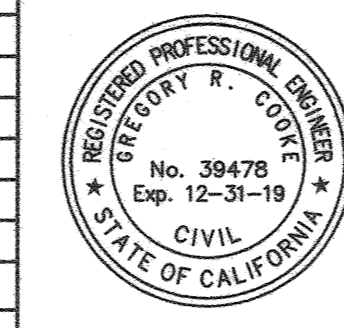
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MARK	BY	DATE	REVISIONS	APPR	DATE

APPROVED BY: *Gregory R. Cooke* DATE: 4/18/18
CIVIL ENGINEER
R.C.E. 39478

COUNTY OF RIVERSIDE
ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED



ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD, RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68 DATUM: NVD25 ADJ. 1971 ELEVATION 1532.70 SCALE: H. AS SHOWN V. N/A

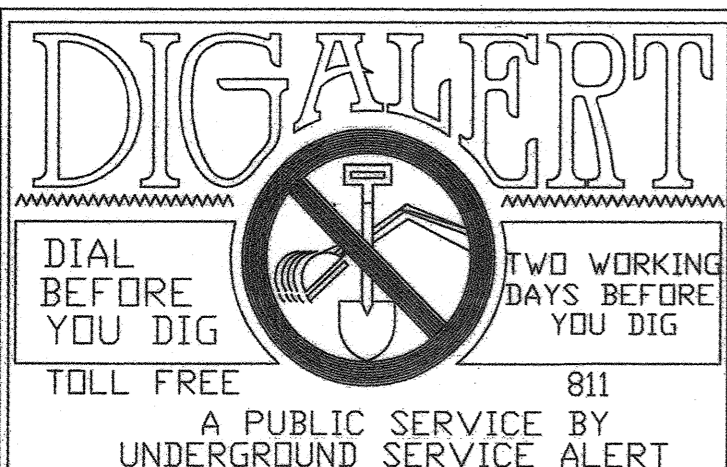
4/18/18 DATE

CITY OF RIVERSIDE
PW17-0337
R-4413
SHEET NO. 27
OF 31 SHTS

MS 4320 IP 170023
COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS
VAN BUREN BOULEVARD - PHASE III
STANDARD DRAWINGS

FOR: W.O.
COUNTY FILE NO. 965-NM

REGD COUNTY OVERSIGHT ENGINEER REGISTRATION NUMBER DATE SIGNED
 35165 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



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MARK	BY	DATE	REVISIONS	APPR	DATE



dlorc Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

GREGORY R. COOKE R.C.E. 39476 4/18/18 DATE

160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

BENCHMARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68 DATUM: NGVD29 ADJ. 1971 ELEVATION 1532.70
 SCALE: H: AS SHOWN V: N/A

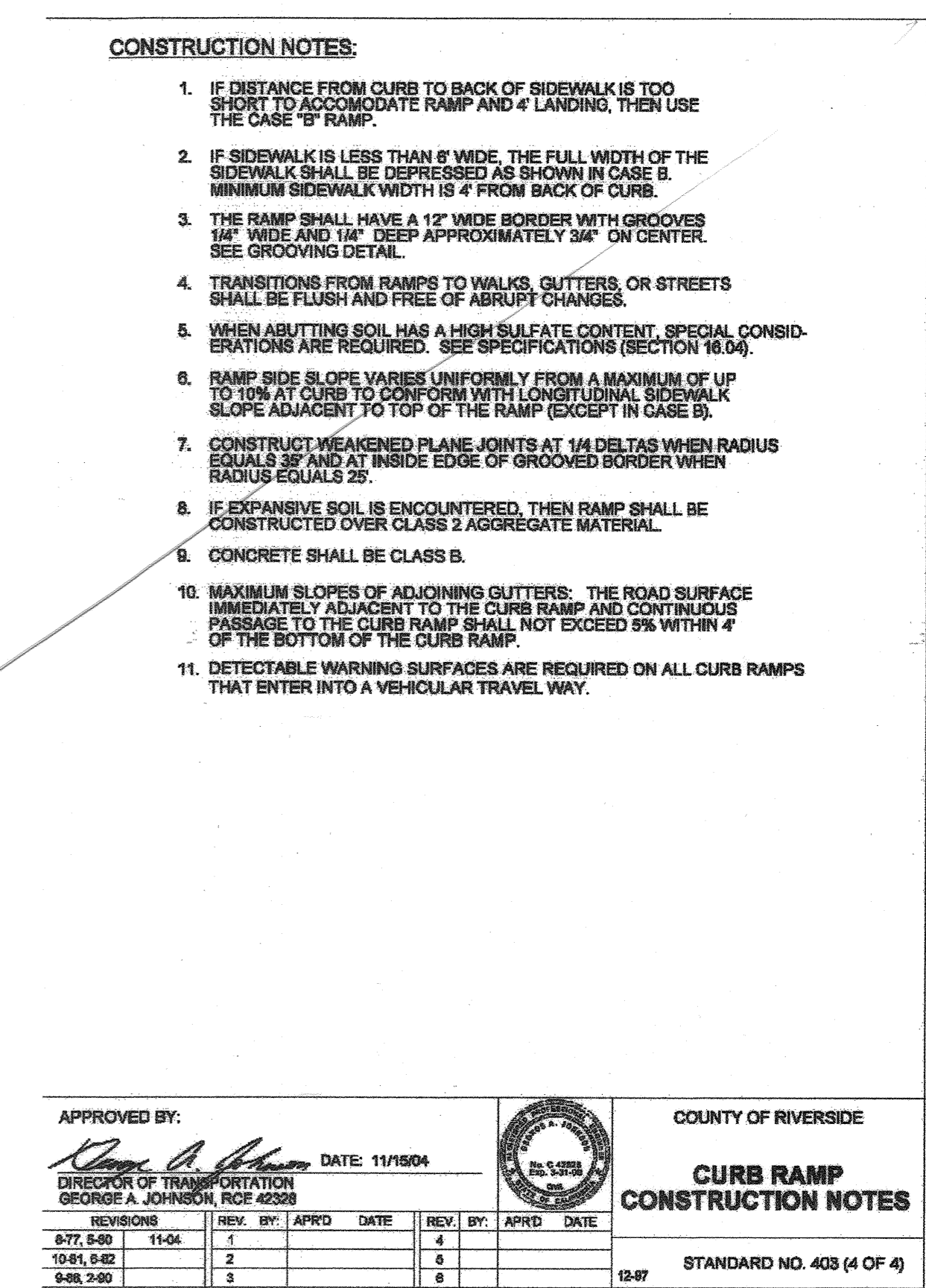
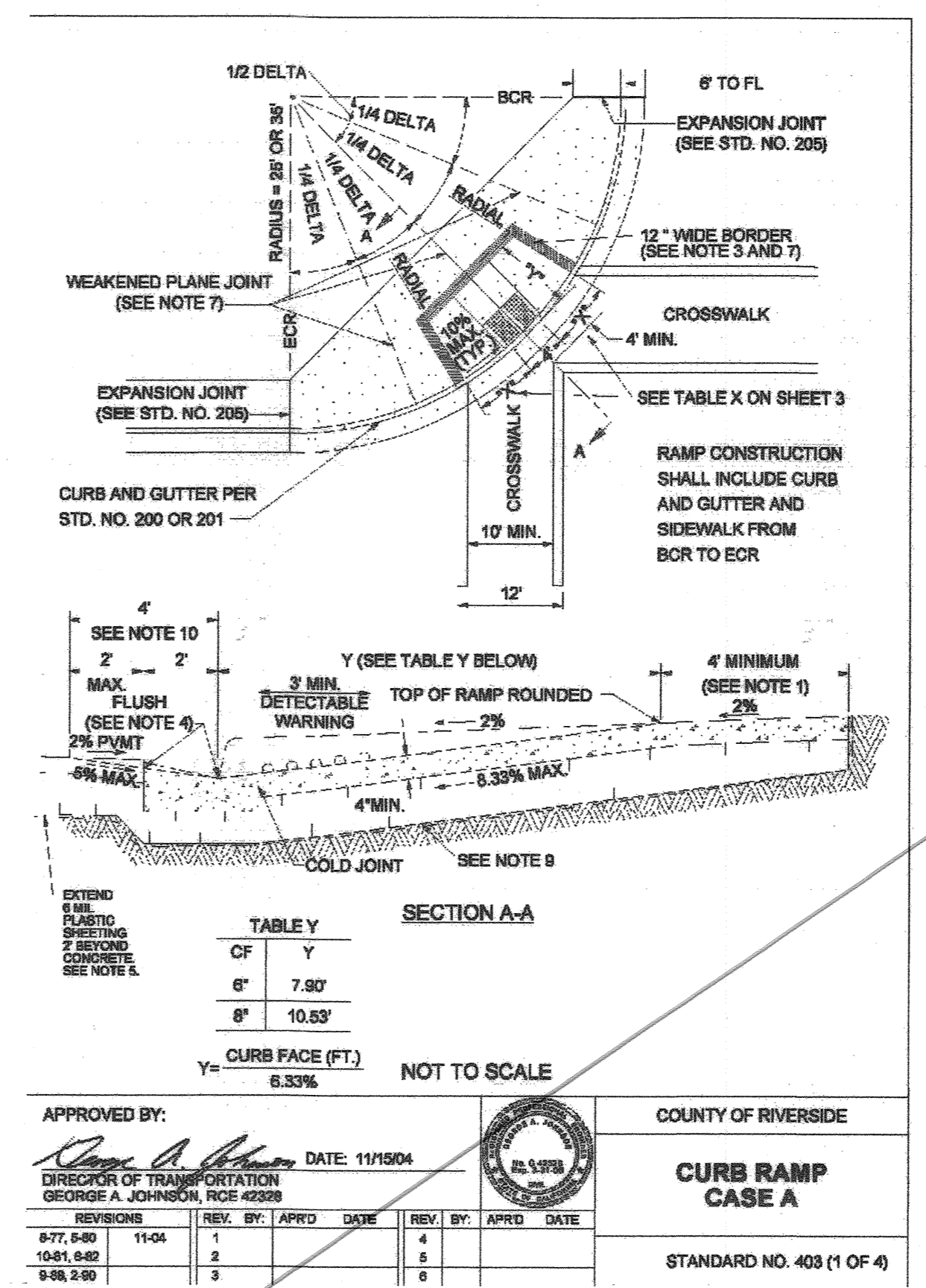
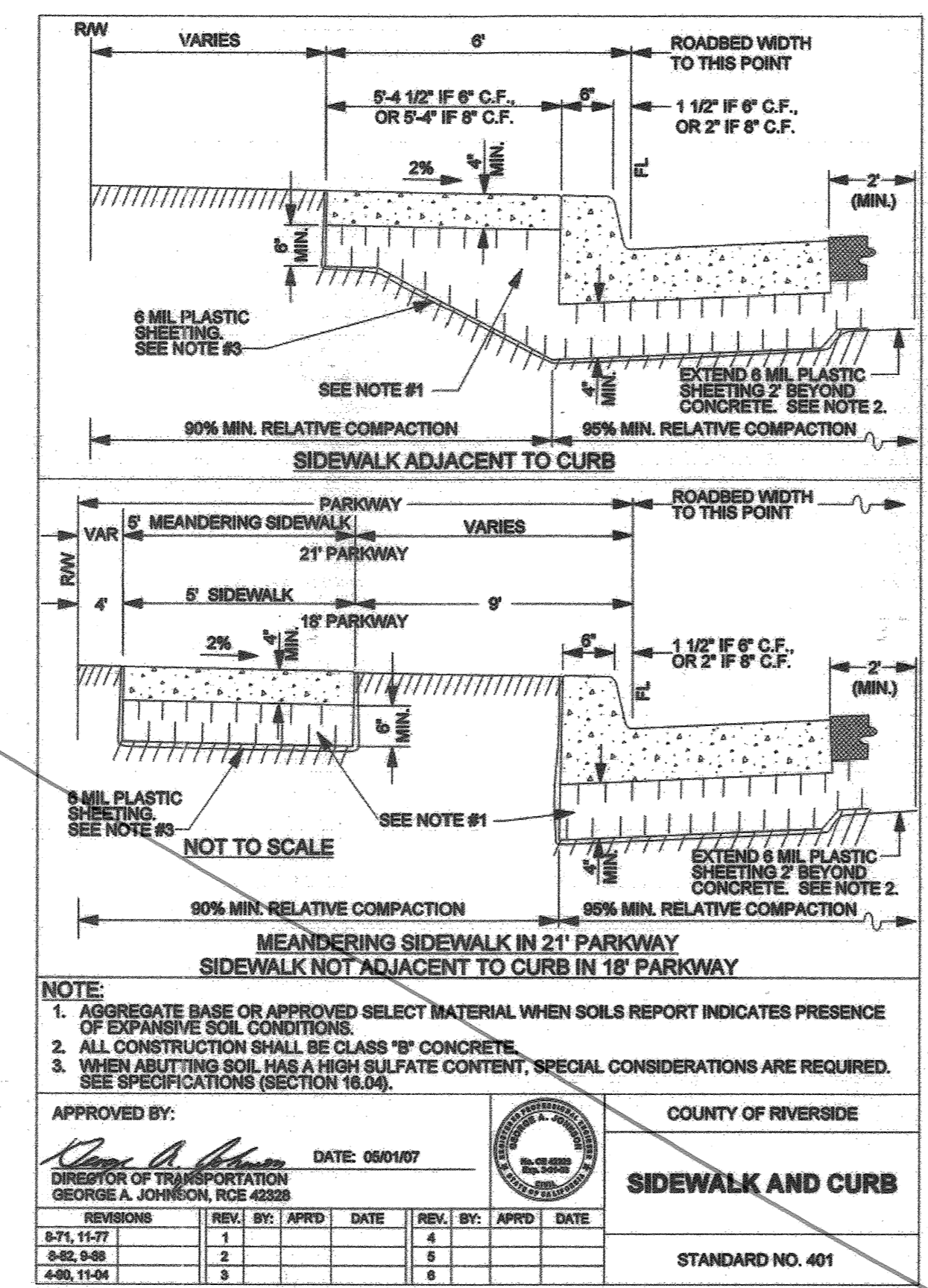
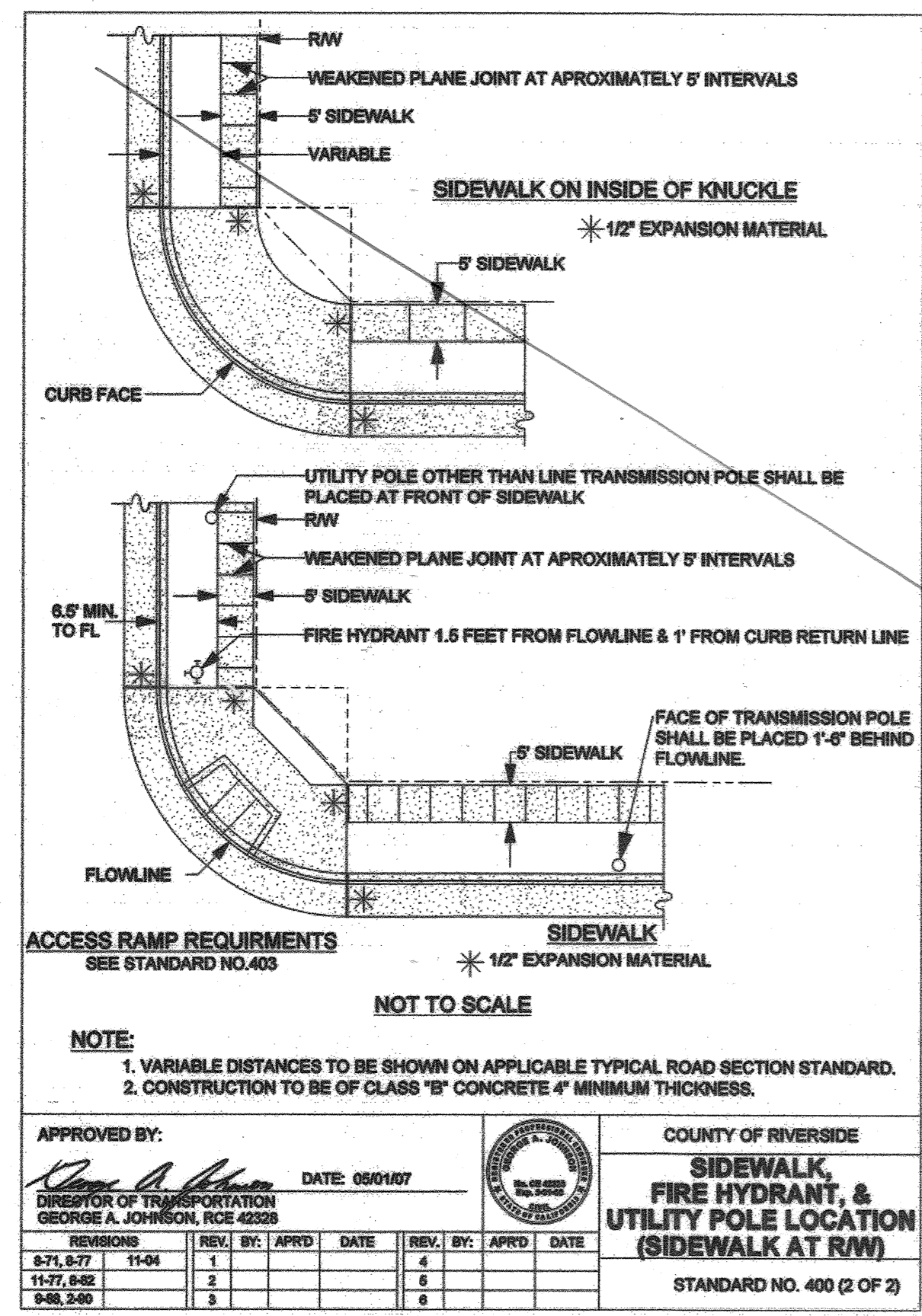
CITY OF RIVERSIDE
 PW17-0337
 R-4413
 SHEET NO. 28
 OF 31 SHTS

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

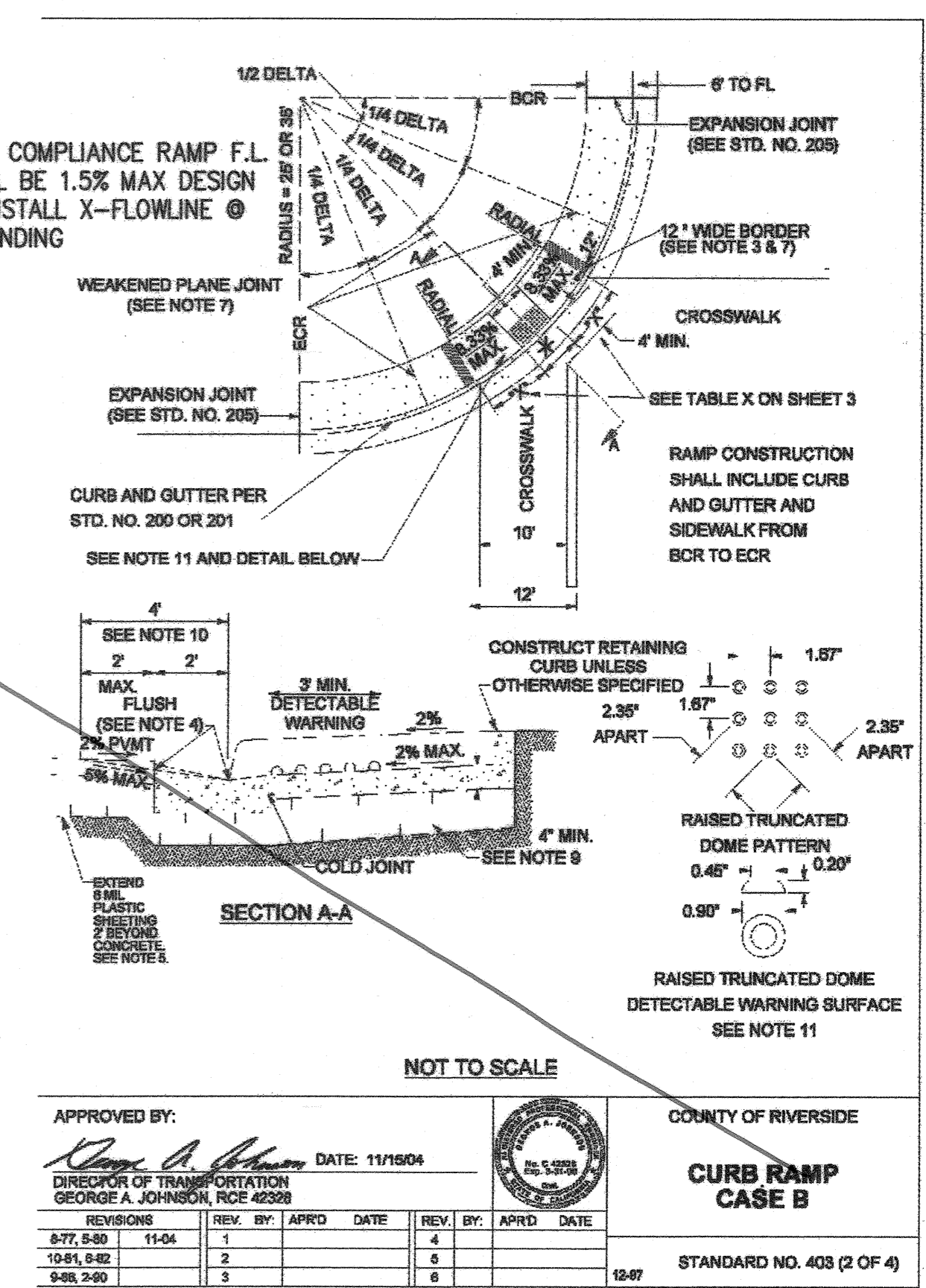
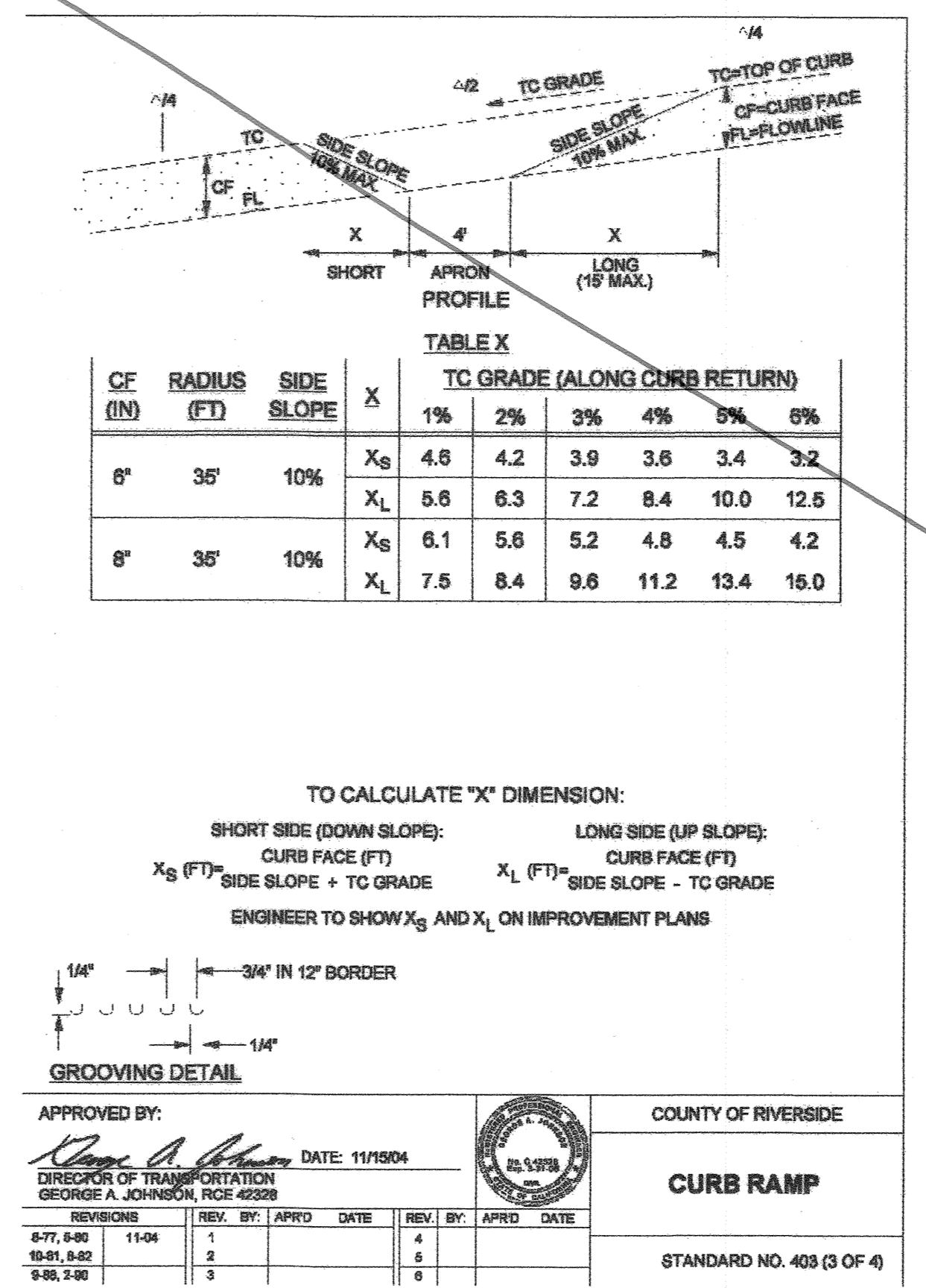
MS 4320 IP 170023

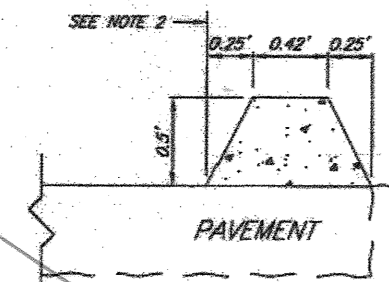
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
 VAN BUREN BOULEVARD - PHASE III
 STANDARD DRAWINGS

FOR: W.O. COUNTY FILE NO. 965-NMM

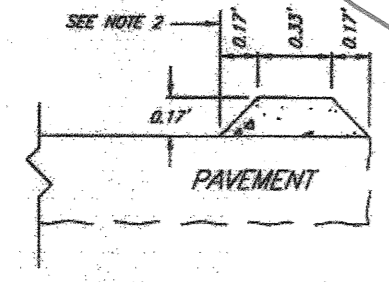


SEE SHEET 28A

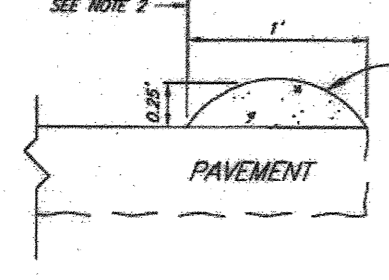




TYPE I - TRAPEZOIDAL



TYPE II - TRAPEZOIDAL

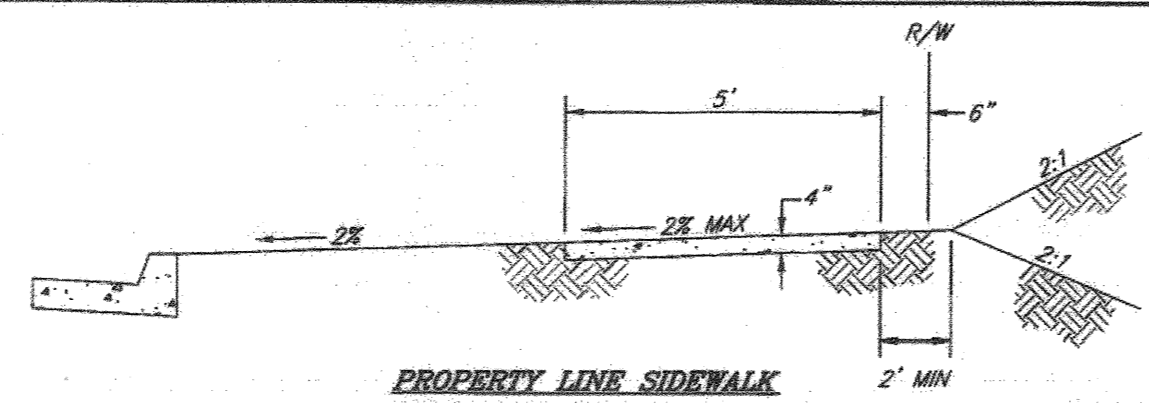


TYPE III - ROLLED

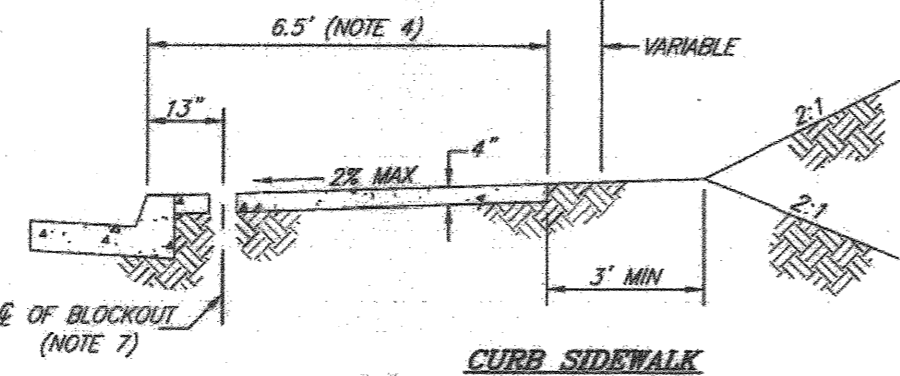
- NOTES:**
1. Asphalt concrete for berm shall be Class D2-DC64-10
 2. Berm location dimensions on plan shall be to this point.
 3. The type of berm to be used shall be specified on the plans.

* WITH CITY ENGINEER'S APPROVAL ON SMALL QUANTITIES USE AR-8000

APPROVED BY <i>[Signature]</i> CITY ENGINEER	DATE 5/18/11	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT ASPHALT CONCRETE BERMS STANDARD DRAWING NO. 250 Sheet 1 of 1
MARK	REVISIONS	APPR. DATE



PROPERTY LINE SIDEWALK

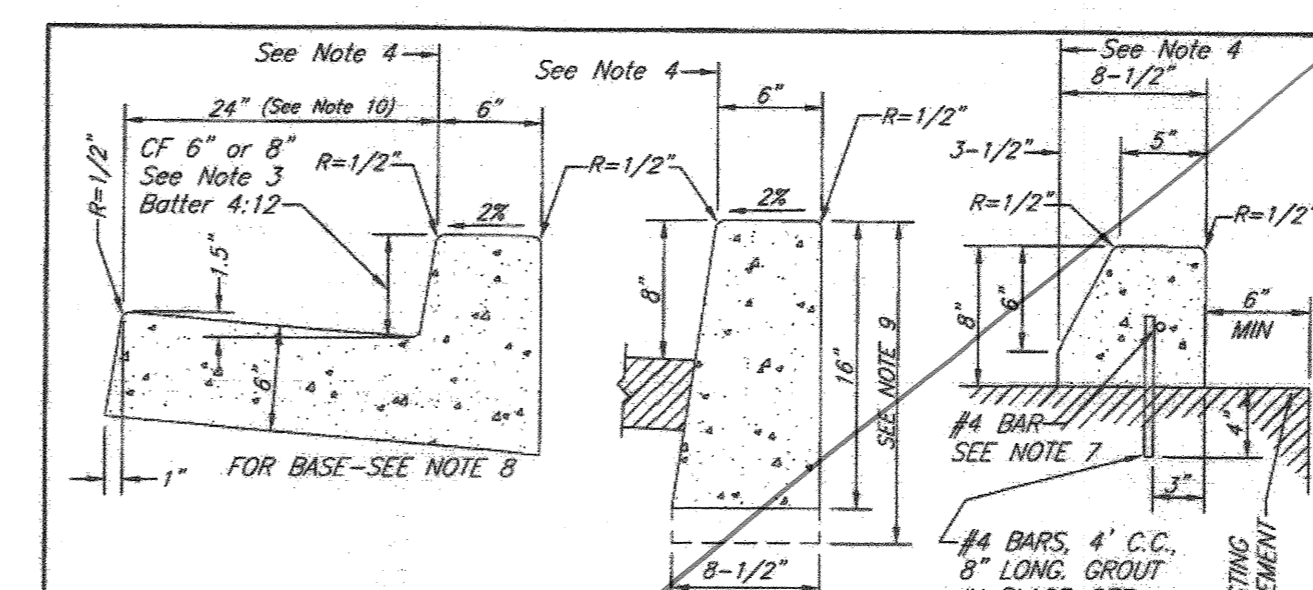


CURB SIDEWALK

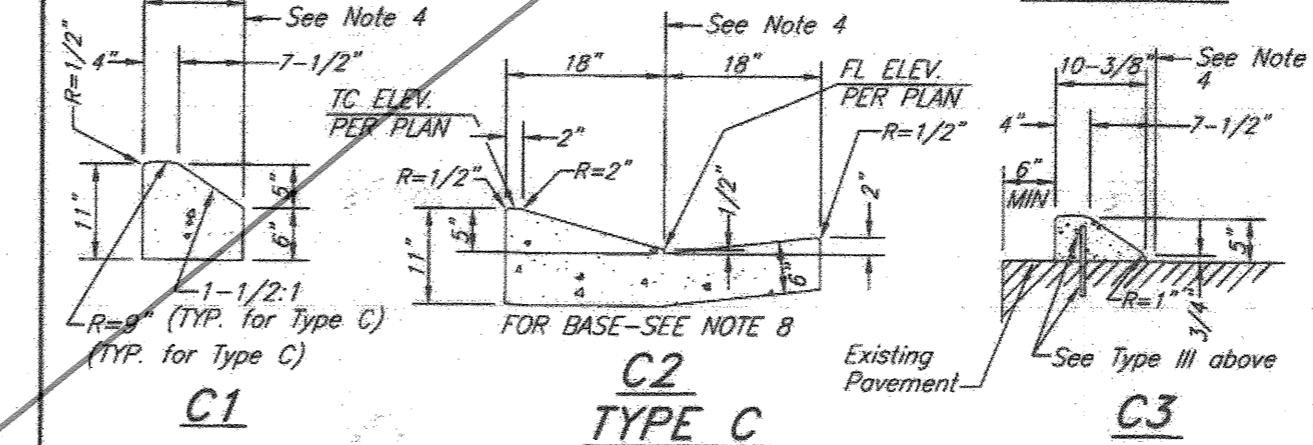
TYPICAL SECTIONS

- NOTES:**
1. CONCRETE SHALL BE PER CURRENT EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (360-C-3250)
 2. HALF INCH THICK TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT ALL CURB RETURNS. QUARTER INCH THICK EXPANSION JOINTS SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT CURB RETURNS AND AROUND SPANNADE STRUCTURES, POLES, AND PIPES WHICH ARE IN THE SIDEWALK. CURB SIDEWALKS SHALL HAVE THE EXPANSION JOINTS AT THE SAME LOCATIONS AS THOSE IN THE CURB.
 3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10 FOOT MAXIMUM INTERVALS THROUGHOUT THE LENGTH OF THE SIDEWALK AND AT LOCATIONS WHERE THE SIDEWALK SECTION IS INTERRUPTED BY TREEWELLS, UTILITY VAULTS, BLOCKOUTS, FOR STREET LIGHTS AND SIMILAR OBJECTS.
 4. A SIDEWALK WIDER THAN 6.5 FEET MAY BE REQUIRED IN COMMERCIAL AREAS AND AREAS WITH HIGH PEDESTRIAN TRAFFIC.
 5. FOR TYPICAL CURB RETURN SIDEWALK SEE STANDARD DRAWING NO. 120.
 6. WHEN A STREET LIGHT STANDARD IS TO BE PLACED IN THE SIDEWALK, BLOCK OUT A THREE FOOT SQUARE AROUND THE STANDARD AND BRING THE STREET LIGHT FOUNDATION TO GRADE AFTER THE STANDARD IS PLUMED.
 7. IN RESIDENTIAL AREAS 6" X 6" OR 6" DIAMETER BLOCKOUTS FOR MAILBOXES ARE REQUIRED IN CURB SIDEWALK 1.5' FROM CURB FACE AT THE PROPERTY LINE BETWEEN ADJACENT RESIDENCES. FOR MAILBOXES FOR BUSINESS, MOBILEHOME PARKS OR APARTMENT HOUSES, DEVELOPER TO CHECK WITH U.S.P.S. FOR THE NUMBER AND LOCATION OF MAILBOXES.
 8. 4 FEET WIDTH OF SIDEWALK IS THE MINIMUM WIDTH BETWEEN EDGE OF SIDEWALK AND ANY OBJECTS THAT INTERFERE WITH PEDESTRIAN R/W (TREEWELLS, FIRE HYDRANTS, ETC.).

APPROVED BY <i>[Signature]</i> CITY ENGINEER	DATE 5/18/11	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT SIDEWALK STANDARD DRAWING NO. 325 Sheet 1 of 1
MARK	REVISIONS	APPR. DATE



TYPE I TYPE II TYPE III



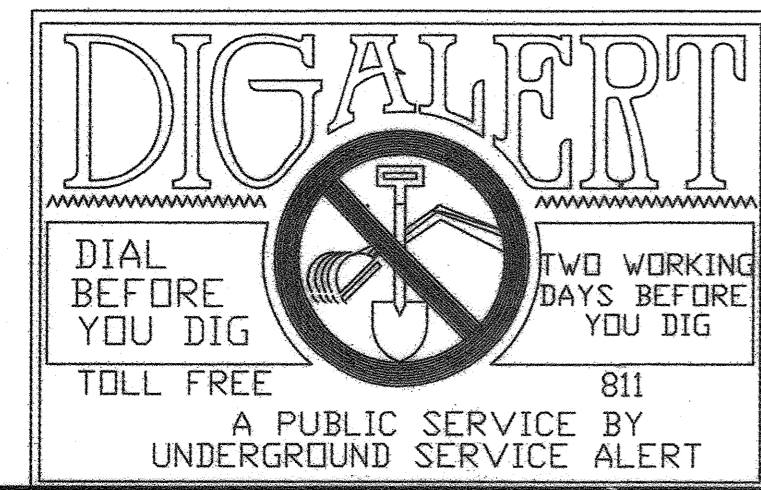
- NOTES:**
1. Concrete shall be CLASS 500-C-3250 for formed curb or extruded curb.
 2. Types I, II, and III curb shall be used only where pavement slopes away from curb except as approved by City Engineer.
 3. Types I, II, or III curb face shall be as specified on plans.
 4. Curb location dimensions on plan shall be to this point.
 5. Expansion joints (1/2" thick) shall be installed at all curb returns.
 6. Weakened plane joints shall be constructed at 10' intervals throughout the length of the curb, at quarter points of curb returns, and at any point where the curb section is interrupted by a drainage outlet through the curb.
 7. Grout approved by City may be used in lieu of base.
 8. When structural section thickness exceeds 14", the base shall be continued under curb & gutter.
 9. Next to irrigation areas the curb height shall be the larger of 18" or the bottom of the base.
 10. Where grade is equal to or greater than 0.4%, curb and gutter shall be sloped with 3" offsets at 25' intervals. Where grade is less than 0.4%, curb and gutter shall be sloped with 3/4" offset at 12.5' intervals and two rows of number 3 re-bar shall be placed in gutter with 3/4" dowel steel pins at all expansion joints.

TYPE	C.F.C.Y. PER L.F.
I	0.05825
II	0.06211
III	0.02972
C1	0.02752
C2	0.06457
C3	0.00965

APPROVED BY <i>[Signature]</i> CITY ENGINEER	DATE 5/18/11	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT CURB AND GUTTER STANDARD DRAWING NO. 200 Sheet 1 of 1
MARK	REVISIONS	APPR. DATE

SEE SHEET 29A

REG. NO. 46
COUNTY OVERSIGHT ENGINEER
M. M. M...
REGISTRATION NUMBER 35765
DATE SIGNED 5-17-18
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



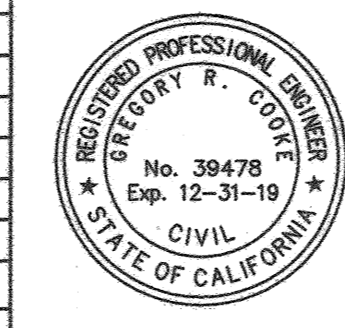
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR.

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER				COUNTY

**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			<i>[Signature]</i>
STREET SERVICES			CITY ENGINEER
SURVEYOR			
TRAFFIC DIVISION	<i>[Signature]</i>	4-22-18	DATE 4-27-18
PARKS DEPARTMENT			
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO:		0136100	EXP. DATE: 1-31-18



dlorc Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

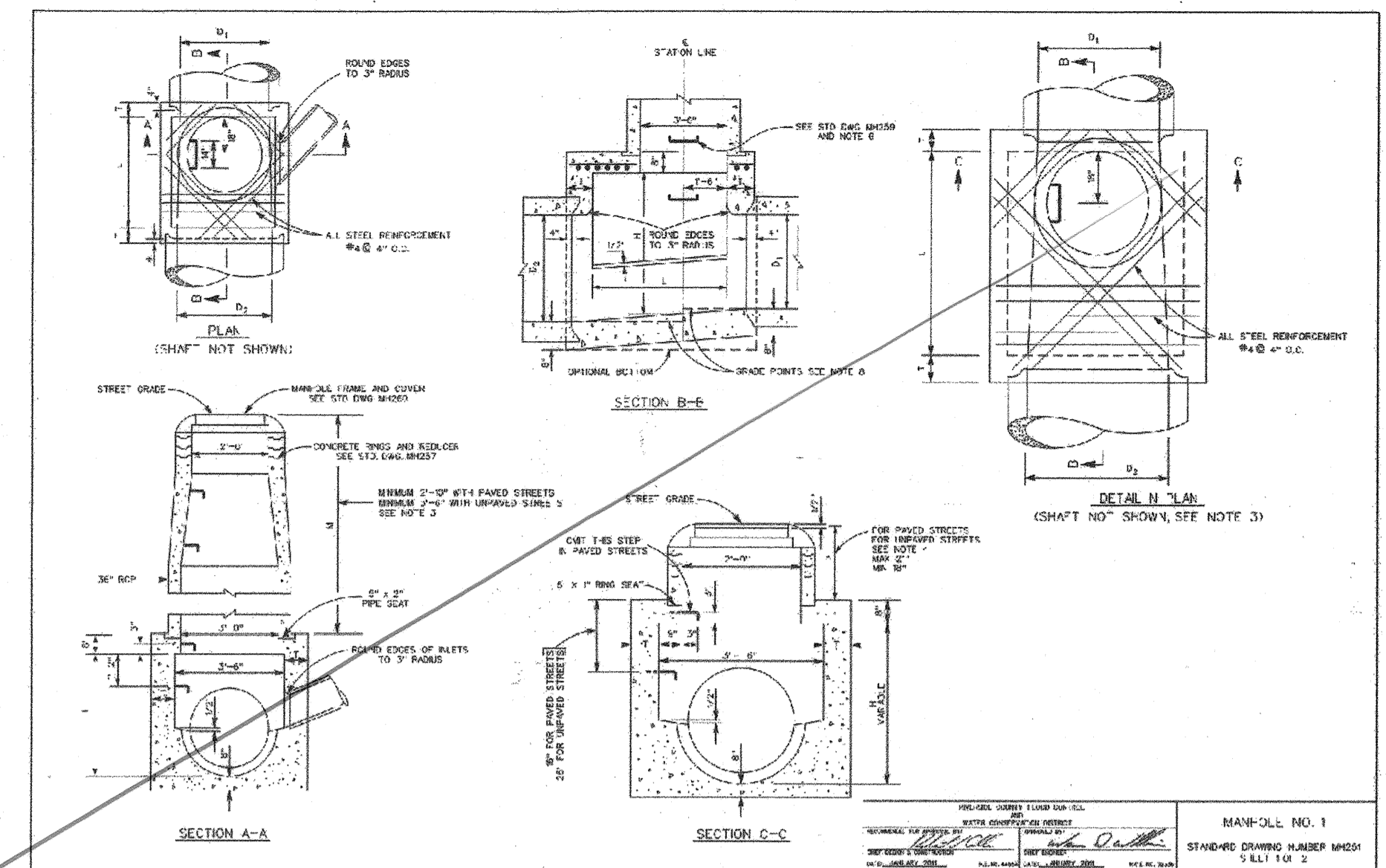
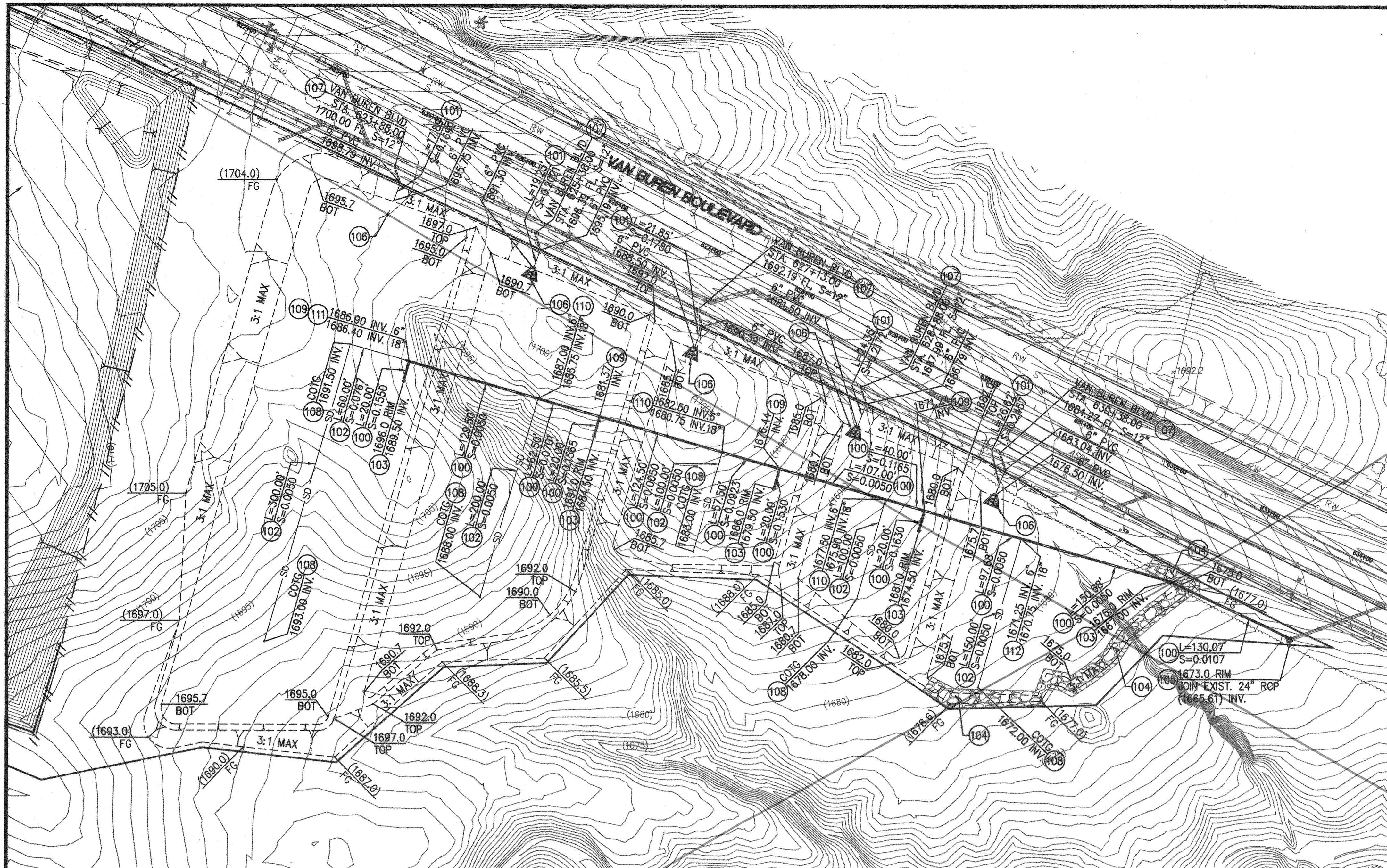
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

GREGORY R. COOKE R.C.E. 39478
DATE 4/18/18

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

BENCHMARK: A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD. RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68 DATUM: NVD29 ADJ. 1971 ELEVATION 1532.70 SCALE: H. AS SHOWN V. N/A	MS 4320 IP 170023	CITY OF RIVERSIDE PW17-0337 R-4413 SHEET NO. 29 OF 31 SHTS
COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS VAN BUREN BOULEVARD - PHASE III STANDARD DRAWINGS		COUNTY FILE NO. 965-MM

FILE NAME: H:\2017\17-315 Lewis Riverside Meridian Van Buren Ph 2\315\17315 ST128 ST05DWG - LAST SAVED ON: Apr 18 2018 11:14am PLOTTED BY: JAL ON: Apr 19 2018 05:11am 0/0



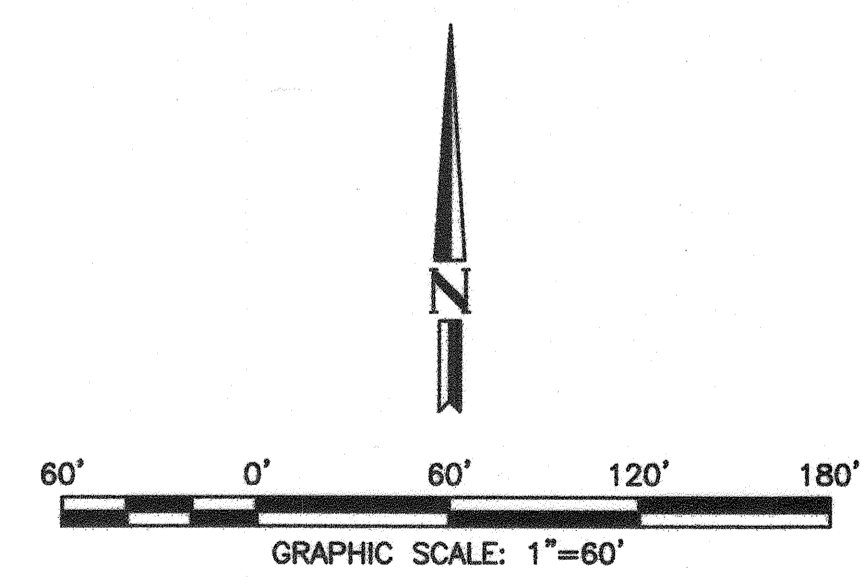
NOTES

1. HEIGHT H SHALL BE NOT LESS THAN 4'-0" BUT MAY BE INCREASED AT OPTION OF CONTRACTOR PROVIDED THAT THE VALUE OF H SHALL NOT BE LESS THAN THE MINIMUM SPECIFIED AND THAT THE INVERTER SHALL BE SET FOR H IN SEC. C-3. SEE NOTE 4.
2. LENGTH L SHALL BE 4' UNLESS OTHERWISE SHOWN ON IMPROVEMENT PLAN. L MAY BE INCREASED ON LOCATION OF MANHOLE SITED TO MEET PIPE ENDS AT THE OPTION OF CONTRACTOR EXCEPT THAT ANY CHANGE IN LOCATION OF MANHOLE MUST BE APPROVED BY THE ENGINEER.
3. SHAFT SHALL BE CONSTRUCTED AS PER SECTION C-C AND DETAIL N WHEN DEPTH H FROM STREET GRADE TO TOP OF BOX IS LESS THAN 2'-0" FOR PAVED STREETS OR 3'-0" FOR UNPAVED STREETS.
4. DEPTH P MAY BE REDUCED TO AN ABSOLUTE LIMIT OF 6" WHEN LARGER VALUES OF P WOULD REDUCE H IN SECTION C-C TO BE 3'-0" OR LESS.
5. T SHALL BE 6" FOR VALUES OF H UP TO AND INCLUDING 6'.
T SHALL BE 30" FOR VALUES OF H OVER 6'.
6. STEPS SHALL BE 3/4" RIGID GALVANIZED STEEL AND ANCHORED NOT LESS THAN 6" IN THE WALLS OF STRUCTURES, UNLESS OTHERWISE SHOWN. STEPS SHALL BE SPACED 18" ON CENTER. THE LOWEST STEP SHALL BE NOT MORE THAN 2' ABOVE THE INVERT.
7. REINFORCING STEEL SHALL BE ROUND REINFORCING BARS, NO. 4 AND 1/2" CLEAR FROM HOSE FACE OF CONCRETE.
8. STATIONS REFER TO PLAN AND PROFILE SHEETS. ELEVATIONS AT 4 ARE PROLONGED INVERT GRADE LINE. SEE NOTE 3 FOR SETTING LOCATION.
9. RINGS, REDUCER AND PIPE FOR ACCESS SHAFT SHALL BE SEATED IN CONCRETE AND NEATLY POINTED OR WEDGED WISE SHAFT.
10. FLOOR OF MANHOLE SHALL BE STEEL TRENCH TO SPRINGLINE.
11. CONCRETE SHALL BE CLASS "A".
12. WHERE PRESSURE MANHOLE NO. 1 IS SPECIFIED ON PLANS SEE STD. DWG. MANDR AND MANDR.

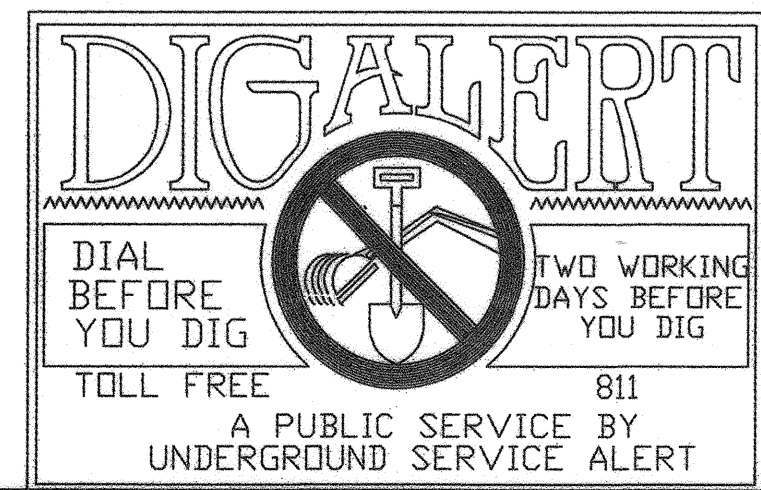
SEE SHEET 30A

CONSTRUCTION NOTES:

	QTY	UNIT
(100) INSTALL 18" HDPE PIPE. TRENCH PER DETAIL ON SHEET 31.	942	LF
(101) INSTALL 6" PVC SDR-35.	110	LF
(102) INSTALL 6" PVC SDR-35 PERFORATED PIPE PER DETAIL ON SHEET 31.	850	LF
(103) CONSTRUCT CSP RISER PER DETAIL ON SHEET 31.	5	EA
(104) CONSTRUCT RIP RAP EMBANKMENT PER DETAIL ON SHEET 31.	1	LS
(105) CONSTRUCT MANHOLE PER RCFCDW STD. DWG. NO. MH251.	1	EA
(106) CONSTRUCT RIP RAP ENERGY DISSIPATOR PER DETAIL ON SHEET 31.	5	EA
(107) CONSTRUCT MODIFIED UNDER SIDEWALK DRAIN CAST IN PLACE AT 45° WITH LOCAL DEPRESSION PER COUNTY OF RIVERSIDE STD. DWG. NO. 209 AND DETAILS ON SHEET 31.	5	EA
(108) INSTALL STORM DRAIN CLEANOUT PER DETAIL ON SHEET 31.	6	EA
(109) INSTALL 18" X 18" HDPE TEE.	4	EA
(110) INSTALL 6" PVC CHIMNEY WITH 18" X 6" WYE PER DETAIL ON SHEET 31.	2	EA
(111) INSTALL 18" X 6" HDPE REDUCER.	1	EA
(112) INSTALL 18" X 6" HDPE TEE.	2	EA



RECD COUNTY OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 5-17-18
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES



**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

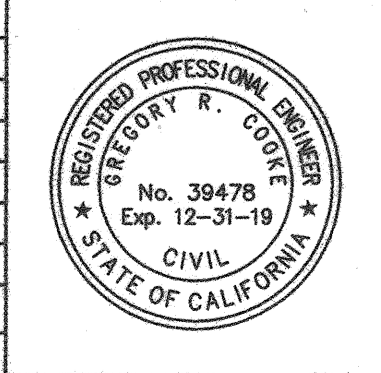
PRINCIPAL ENGINEER	BY	DATE	APPROVED BY
CONST. CONTRACT ADMIN.			
STREET SERVICES			
SURVEYOR			
TRAFFIC DIVISION			
PARKS DEPARTMENT			

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100 EXP DATE: 1-31-18

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR

THE PRIVATE ENGINEER SHOWING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.

REVISIONS	APPR	DATE



dorc Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

GREGORY R. COOKE R.C.E. 39478

BENCHMARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023

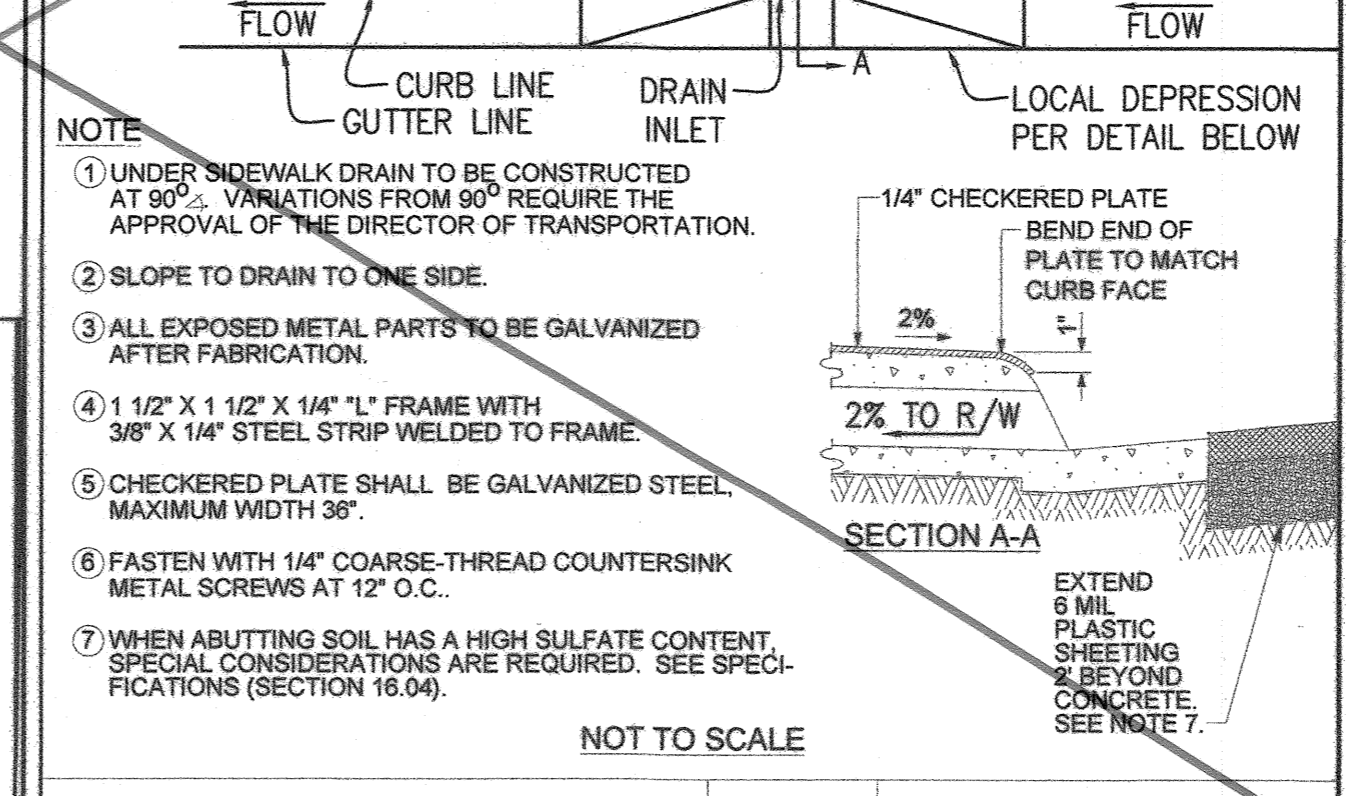
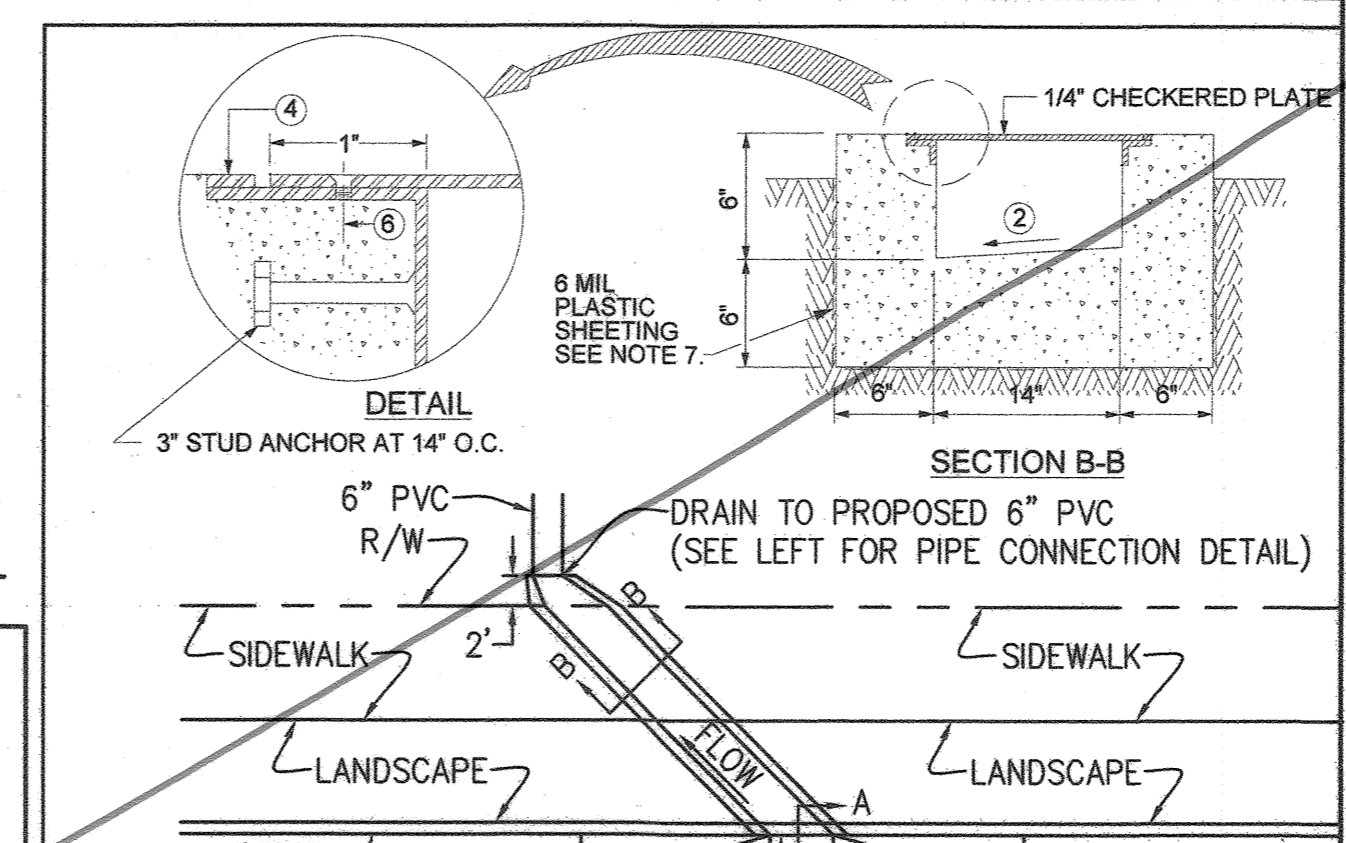
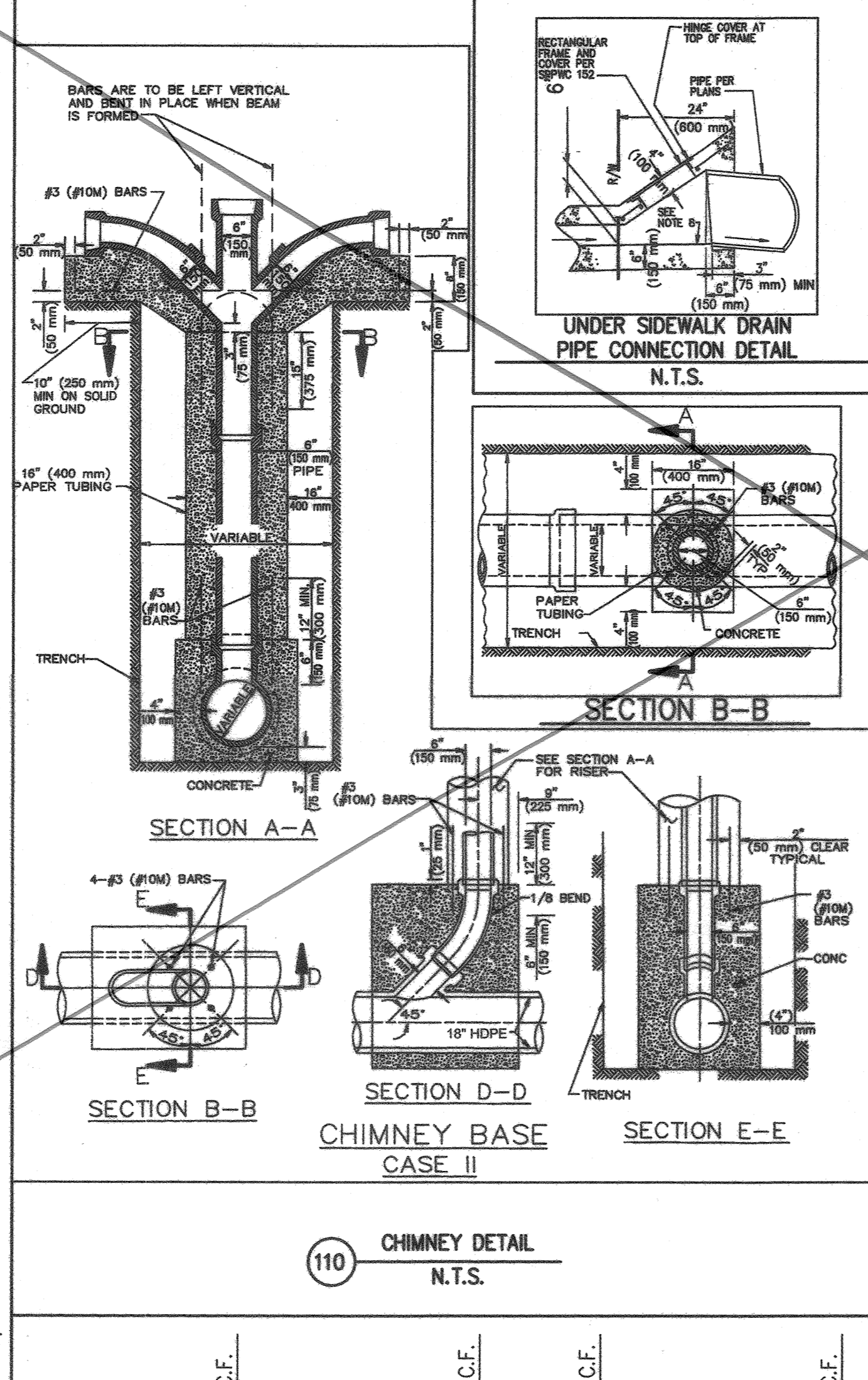
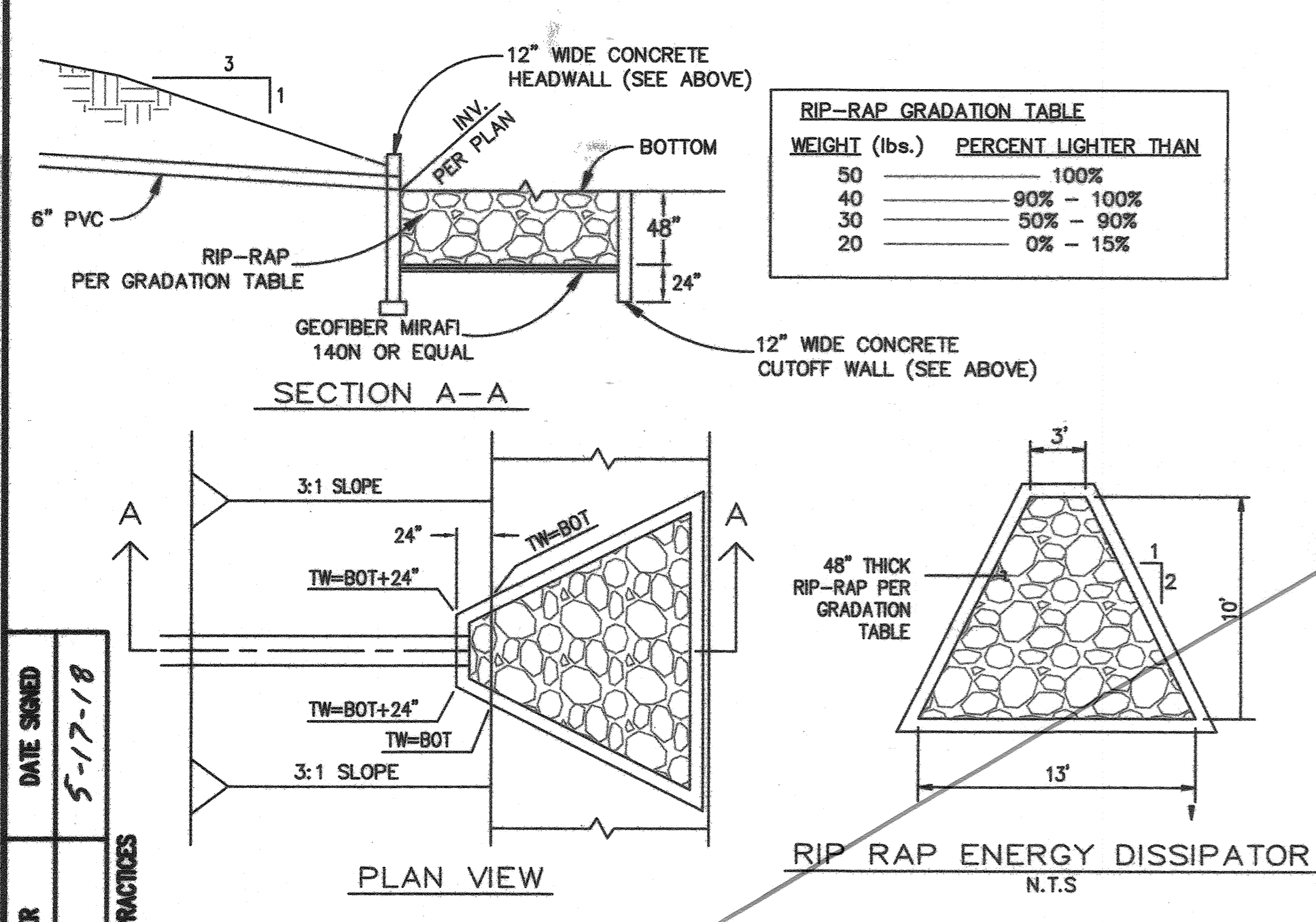
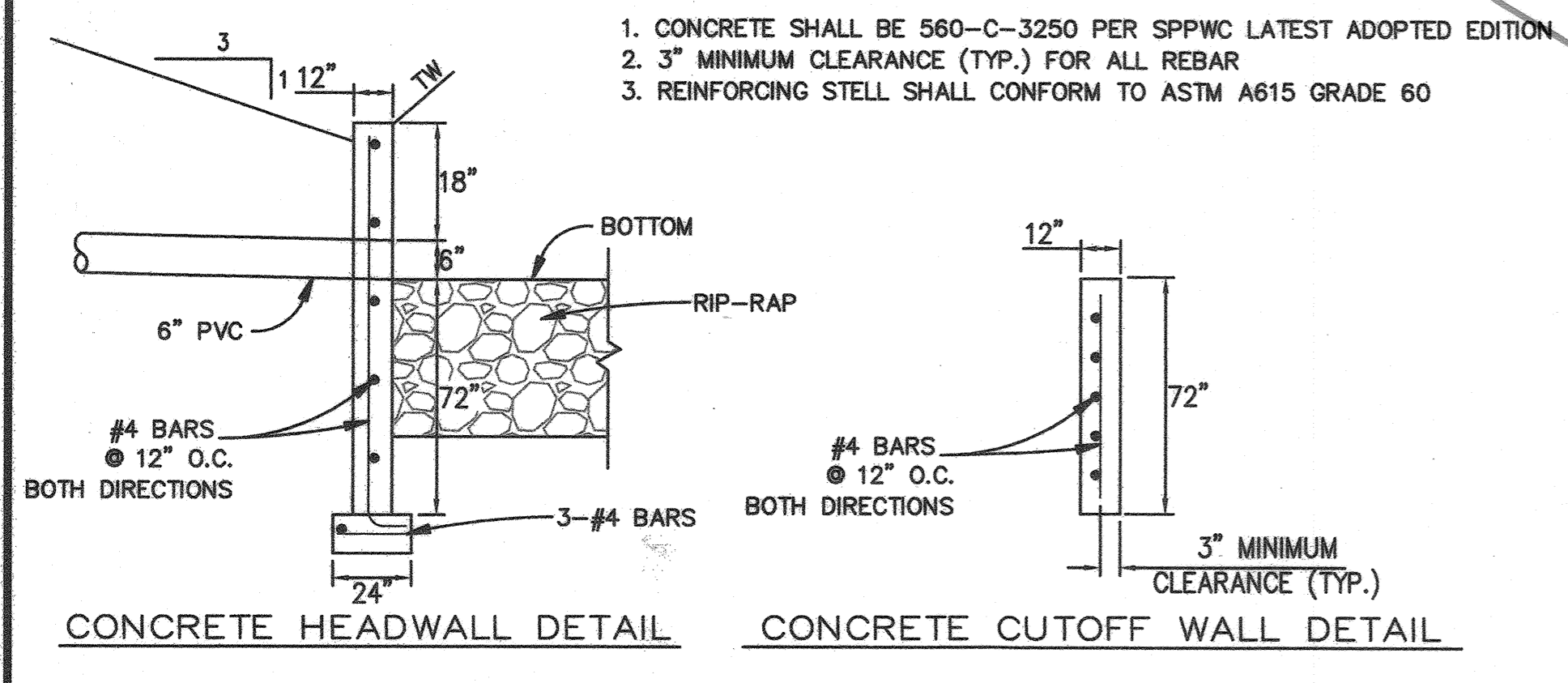
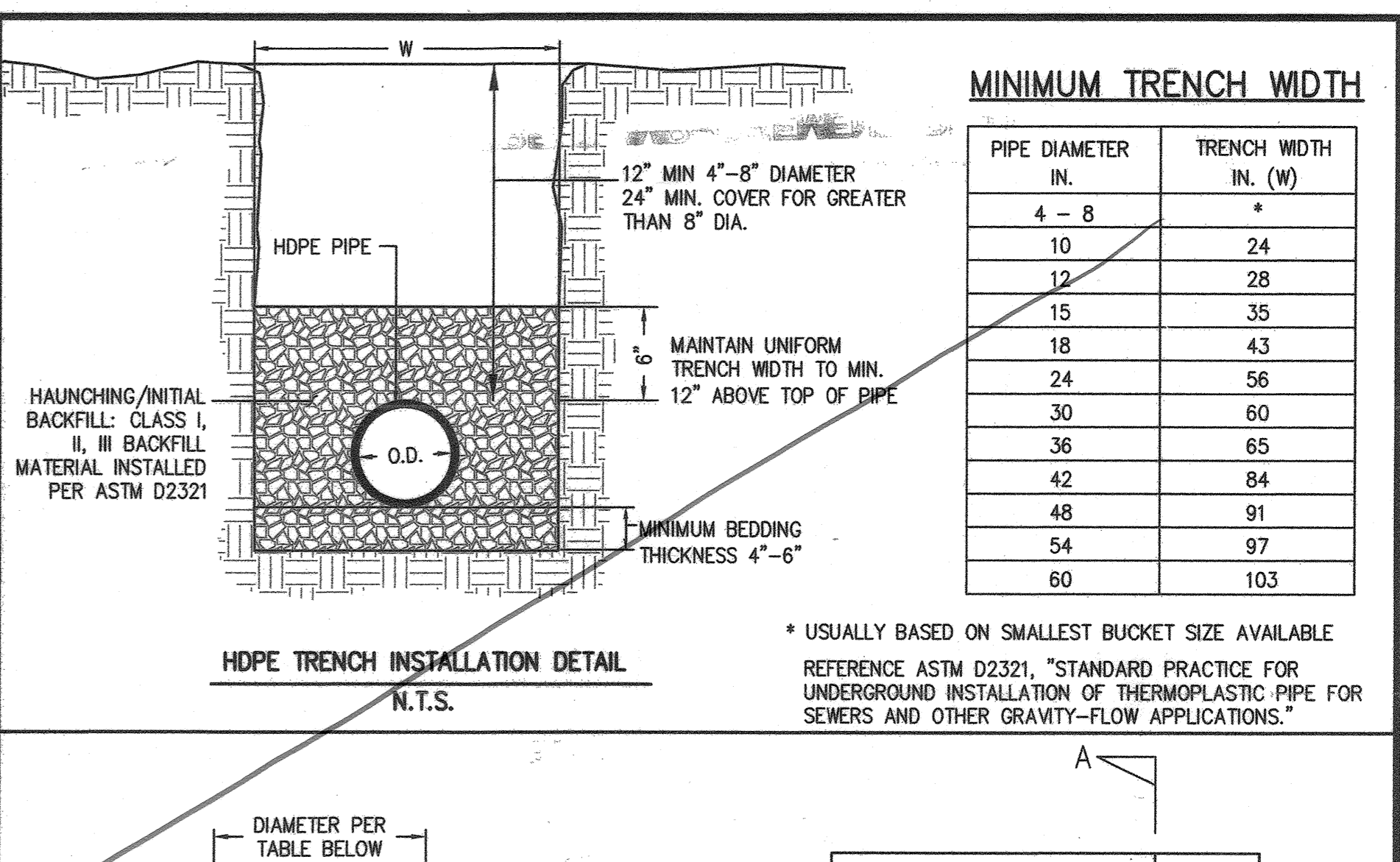
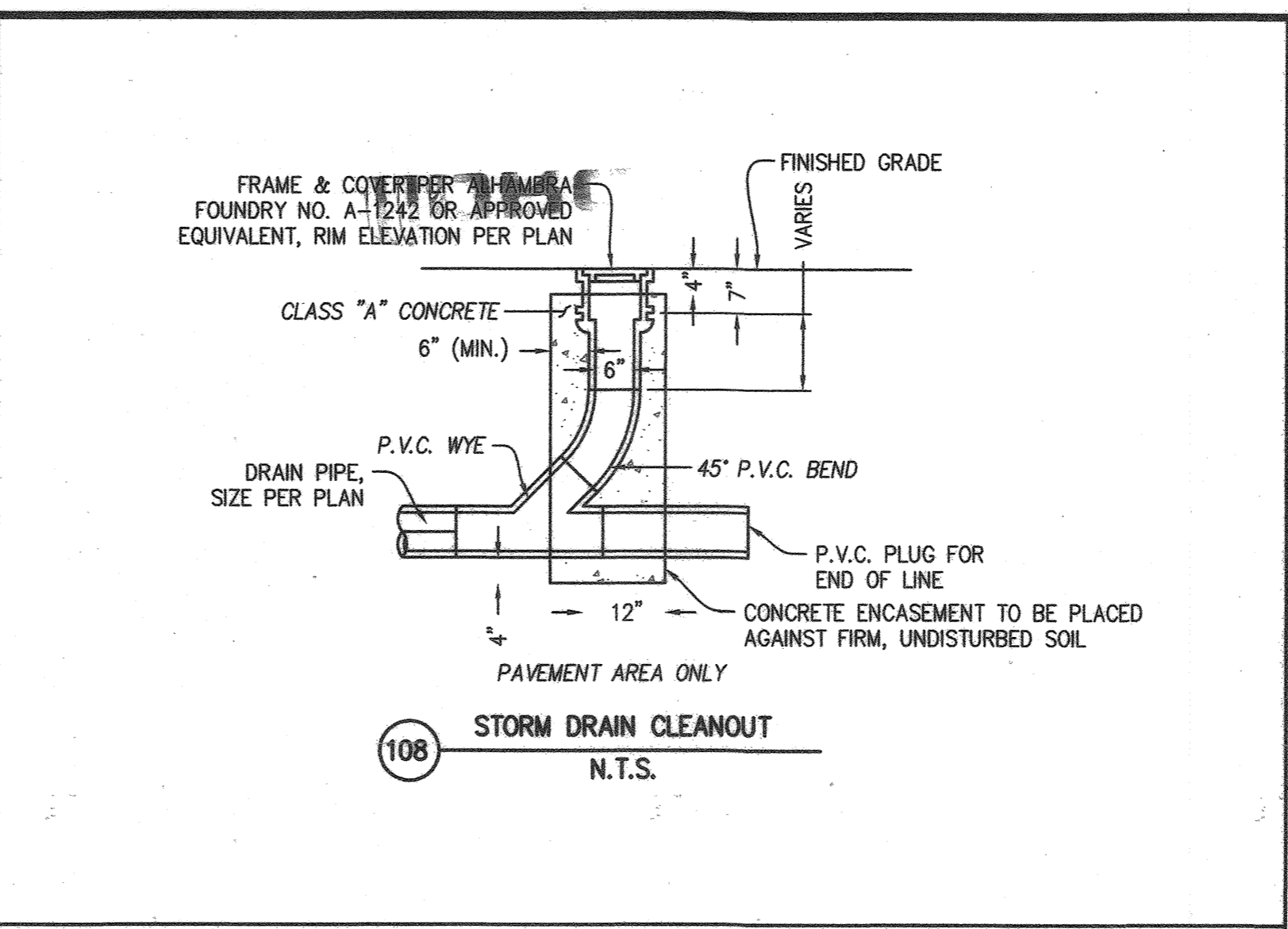
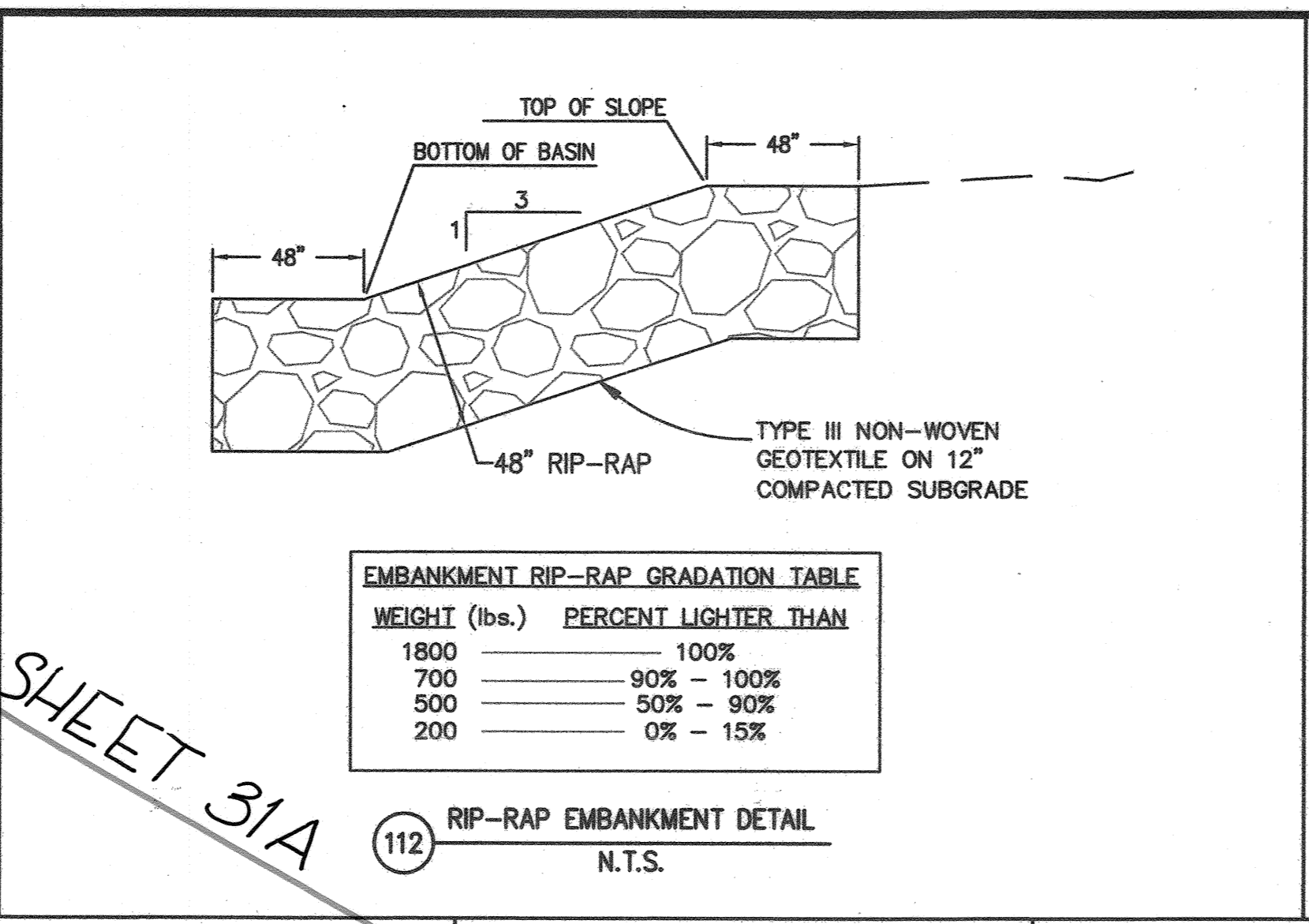
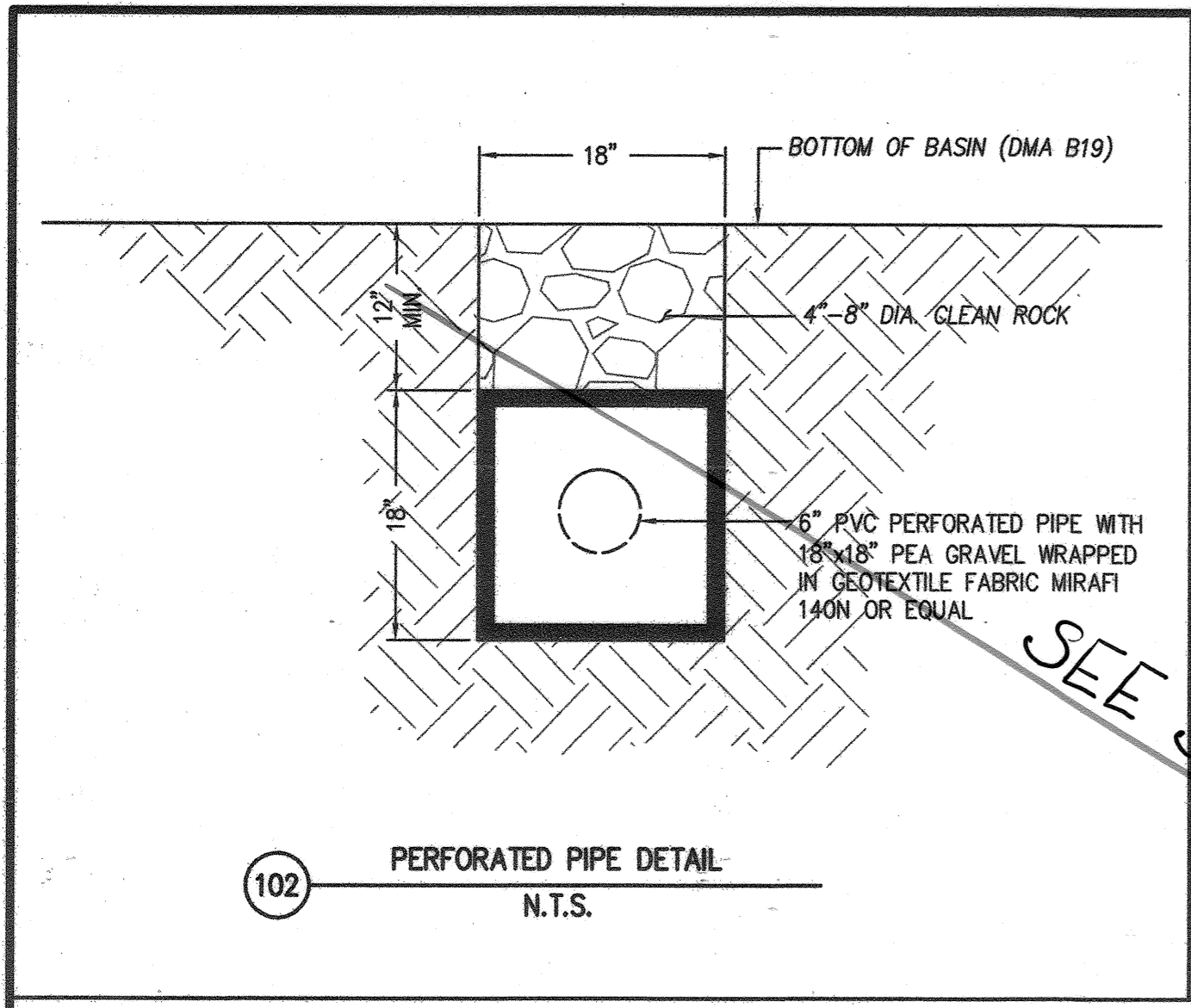
**COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS**

VAN BUREN BOULEVARD - PHASE III
SELF-RETAINING AREA PLAN

FOR: W.O. COUNTY FILE NO. 965-NM

CITY OF RIVERSIDE
PW17-0337
R-4413
SHEET NO. 30
of 31 SHTS

PLANESHEET: 18-2017-17-315 (Civis Riverside Meridian Van Buren Ph. 315) V1315 S1130 BASINDWG, LAST SAVED ON: Apr 18 2018 1:05pm PLOTTED BY: JAE, ON: Apr 19 2018 16:18pm, CFS

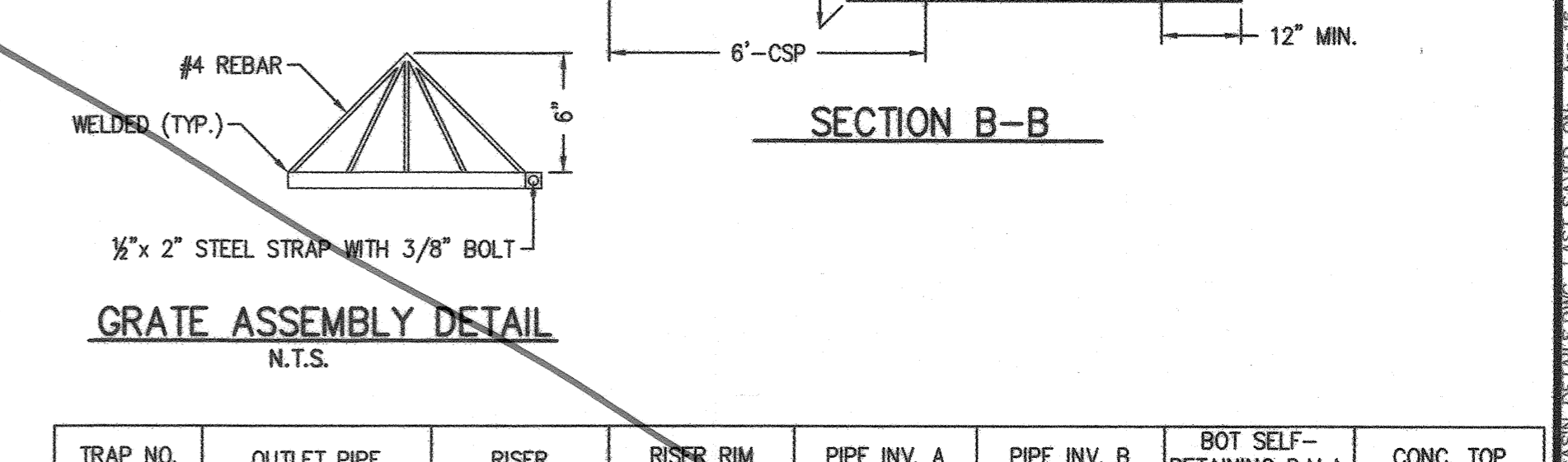
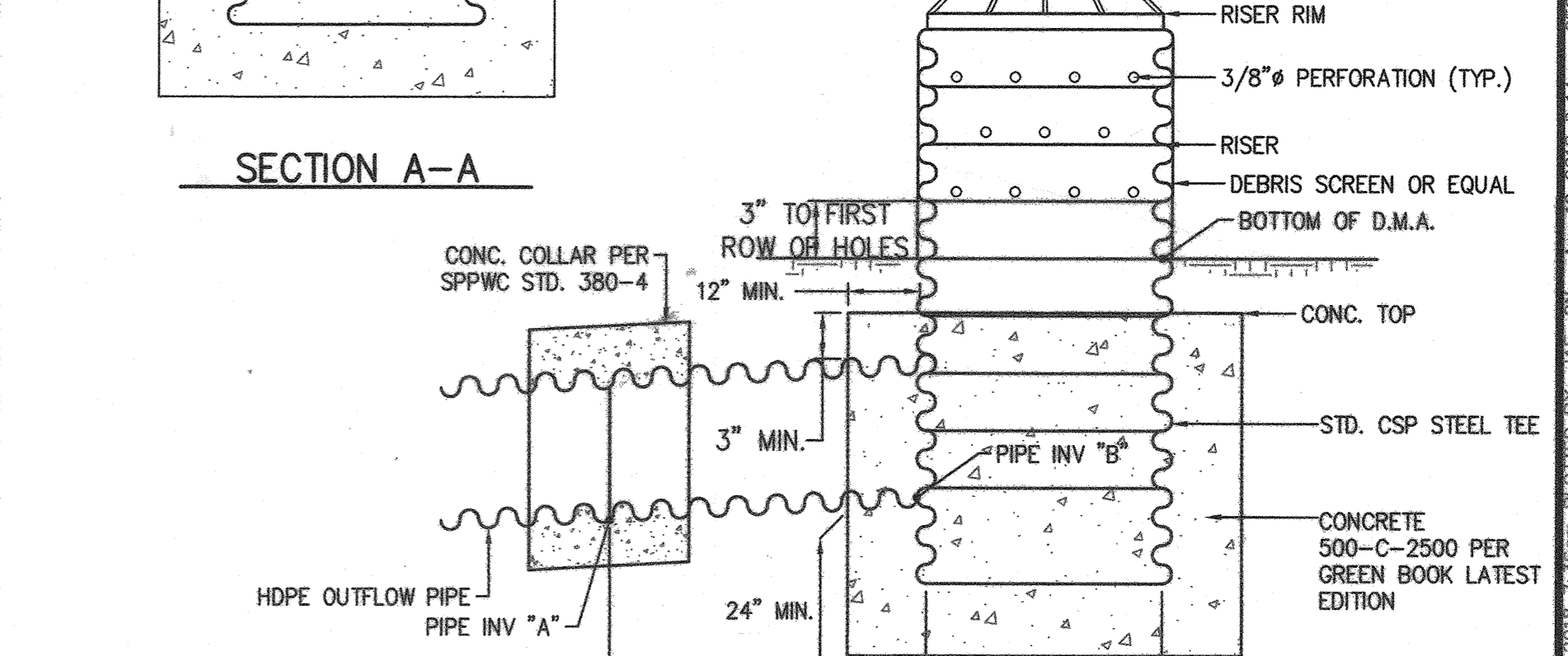
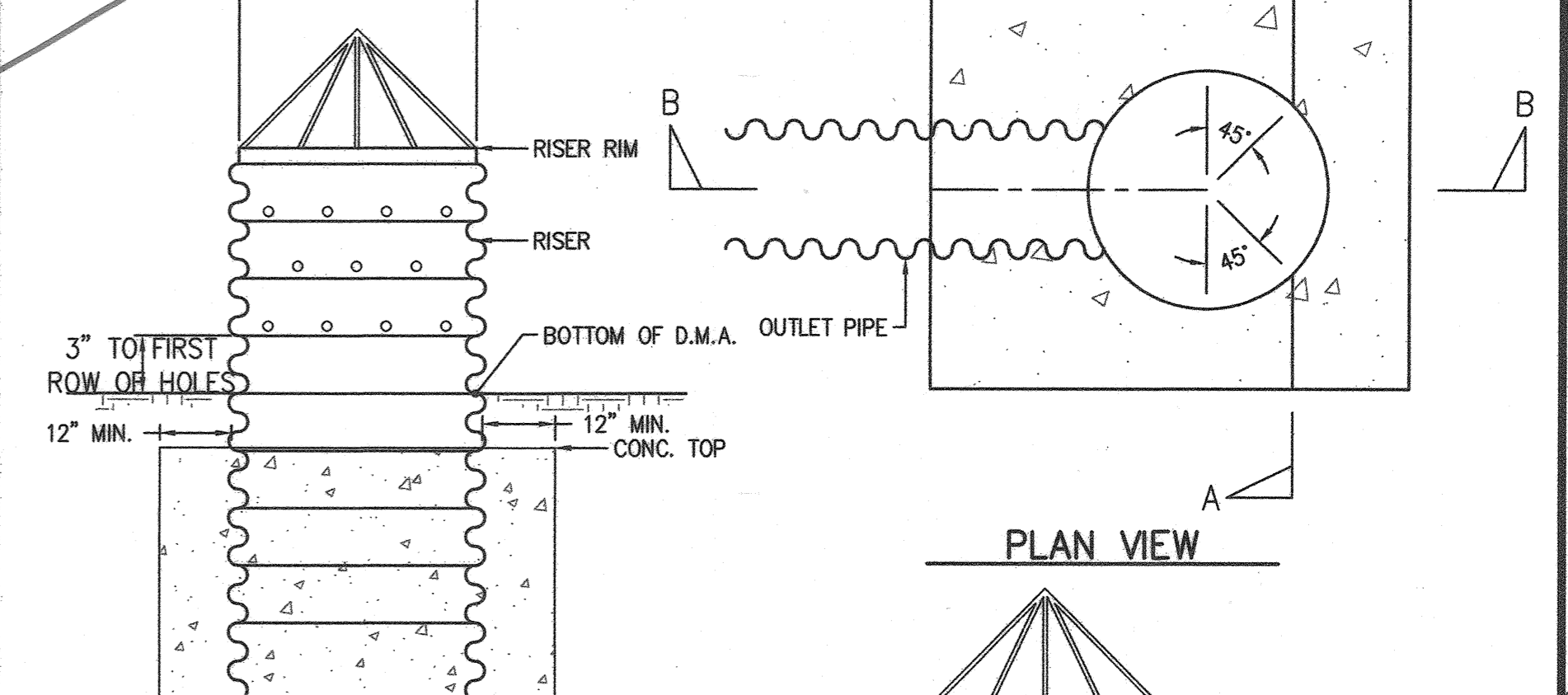


APPROVED BY: _____ DATE: 11/15/04

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

REVISIONS	REV.	BY	APPR.	DATE	REV.	BY	APPR.	DATE
11-04	1				4			
	2				5			

COUNTY OF RIVERSIDE
UNDER SIDEWALK DRAIN CAST IN PLACE
STANDARD NO. 309



TRAP NO.	OUTLET PIPE	RISER	RISER RIM	PIPE INV. A	PIPE INV. B	BOT SELF-RETAINING D.M.A.	CONC. TOP
1	18" HDPE	30" CSP	1696.0	1688.94	1689.50	1695.0	1691.25
2	18" HDPE	30" CSP	1691.0	1684.09	1684.50	1690.0	1686.25
3	18" HDPE	30" CSP	1686.0	1679.06	1679.50	1685.0	1681.25
4	18" HDPE	30" CSP	1681.0	1673.67	1674.50	1680.0	1676.25
5	18" HDPE	30" CSP	1676.0	1670.27	1670.50	1675.0	1672.25

NOTES:
1. ALL C.S.P. SHALL BE 12 GAUGE
2. THE SUBGRADE SOILS SHALL BE SCARIFIED 12 INCHES, MOISTURE CONDITIONED OR AERATED TO SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM OF 90 PERCENT RELATIVE COMPACTION
3. SET TEE SECTION IN WET CONCRETE FOOTING AND TROWEL INSIDE TO DRAIN

DATE SIGNED: 5-17-18
REGISTRATION NUMBER: 35165
COUNTY OVERSIGHT ENGINEER: [Signature]
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES

DIGALERT
DIAL BEFORE YOU DIG
TOLL FREE 811
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

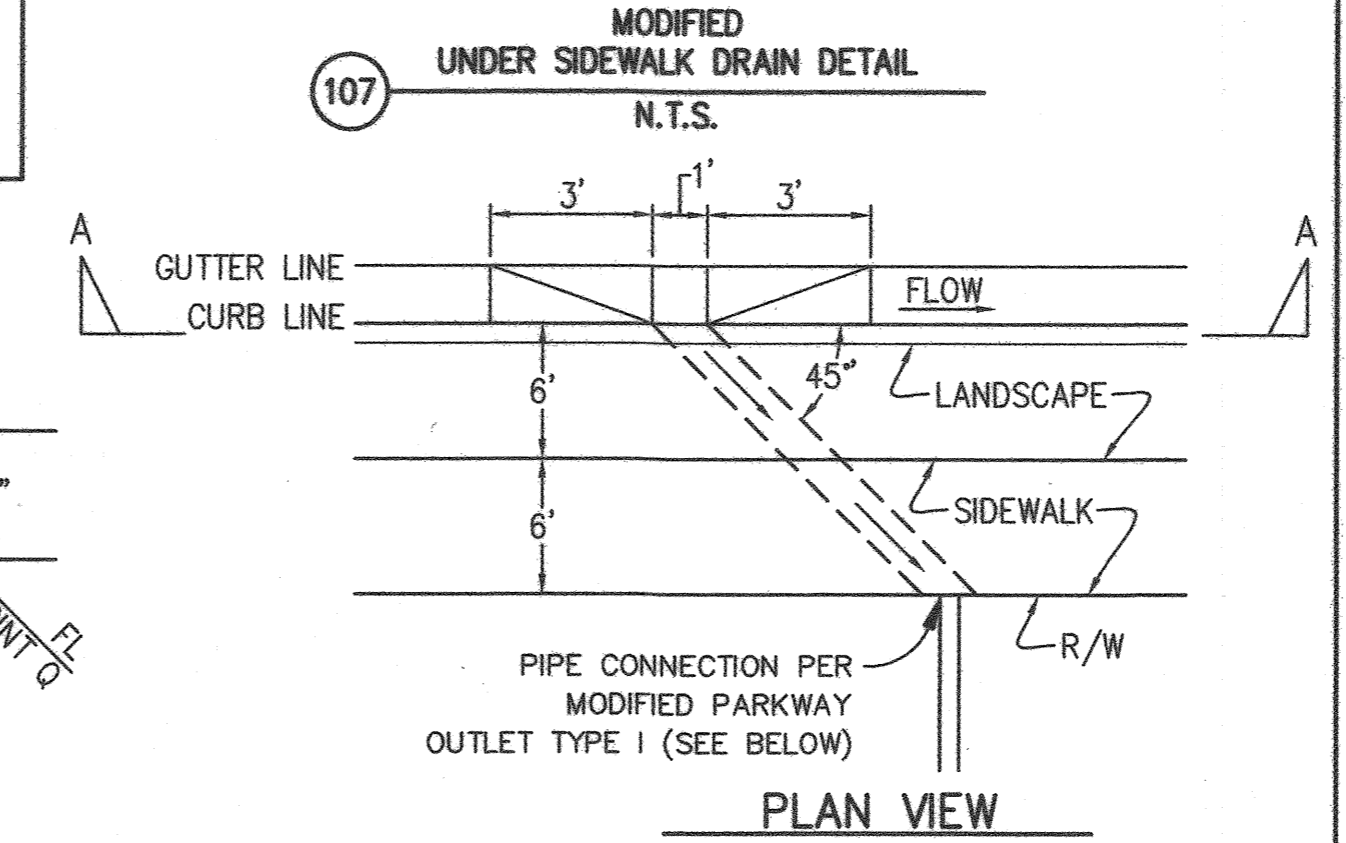
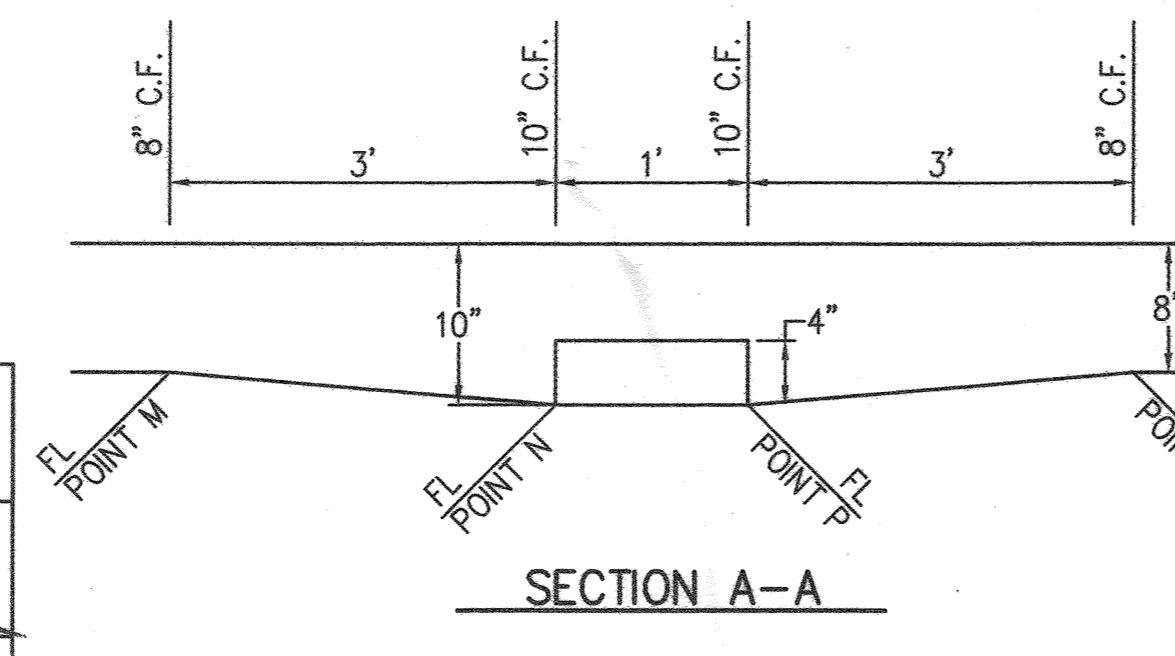
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

PRINCIPAL ENGINEER: [Signature] BY: [Signature] DATE: 4-23-18 APPROVED BY: [Signature] CITY ENGINEER

TRAFFIC DIVISION: [Signature] DATE: 4-27-18

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE NO: 0138100 EXP DATE: 1-31-18

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN OBTAINED BY THE CONTRACTOR



REGULATED PROFESSIONAL ENGINEER
GREGORY R. COOKE
No. 39478
Exp. 12-31-19
CIVIL
STATE OF CALIFORNIA

dorc Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

4/18/18 DATE

ENTRY INTO CONSERVATION EASEMENT IS PROHIBITED

MS 4320 IP 170023
COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS
VAN BUREN BOULEVARD - PHASE III
SELF-RETAINING AREA DETAIL SHEET

CITY OF RIVERSIDE
PW17-0337
R-4413
SHEET NO. 31
OF 31 SHTS

FOR: [Signature] W.O. COUNTY FILE NO. 965-NM