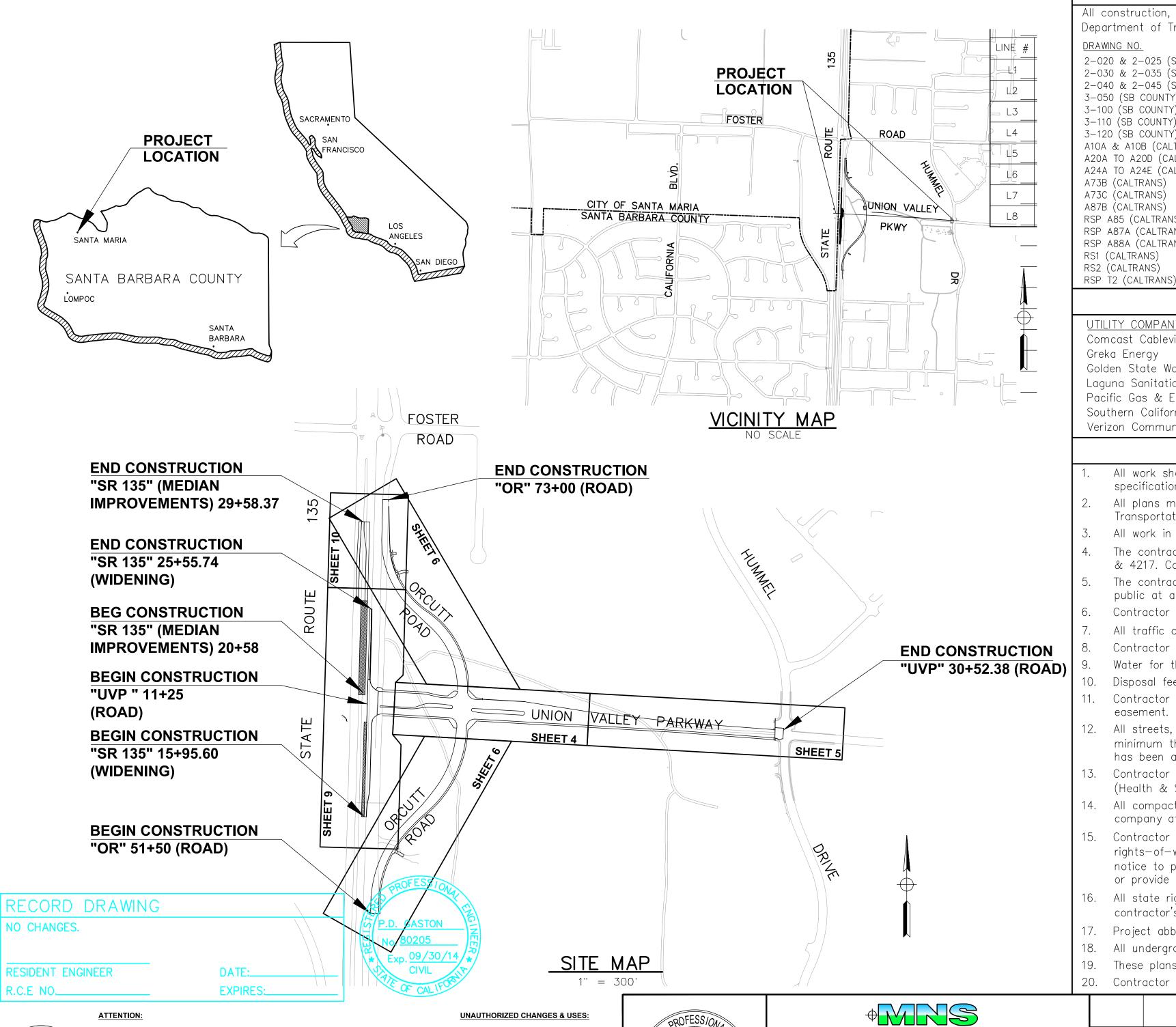
CITY OF SANTA MARIA DEPARTMENT OF PUBLIC WORKS

UNION VALLEY PARKWAY EXTENSION STATE ROUTE 135 TO HUMMEL DRIVE

BID NO. 2012/02



CAUTION: The engineer preparing

these plans will not be responsible

for, or liable for, unauthorized

changes to or uses of these plans

All changes to the plans must be

in writing and must be approved by the preparer of these plans.

No. 74043

All underground utilities and substructures shown hereon were obtained from the best

responsibility to verify, locate, and protect all utilities and substructures shown or not

available sources and are presumed to be accurate and complete, but since the

information was obtained from others, MNS Engineers, Inc. cannot guarantee said

information as being accurate and complete. It shall be the Contractor's sole

Call Underground Service Alert (USA) of Southern California toll free at

1-800-422-4133 two working days before you dig.

1	WIN	GS		SHEE	T INI	DEX			
	SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION	
	6 7-8 9-10 11-12	TITLE SHEET TYPICAL CROSS SECTIONS PLAN AND PROFILE — "UVP" PLAN — "OR" PROFILE — "OR" PLAN — "SR 135" CONSTRUCTION DETAILS CONTOUR GRADING PLAN — "UVP"	14 15 16 17 18 19 20 21–23	CONTOUR GRADING PLAN — "OR" CONTOUR GRADING PLAN — "SR135" DRAINAGE PLAN — "UVP" DRAINAGE PLAN — "OR" DRAINAGE PLAN — "SR135" DRAINAGE PROFILES — SYSTEMS 1—3 DRAINAGE PROFILES — SYSTEMS 4—6, 10 DRAINAGE DETAILS	26 27 28 29 30-33 34-36 37-38		43-45 46-50	TRAFFIC SIGNAL — UVP/ORCUTT — ADDITIVE BID STREET LIGHTING — BASE BID GOLDEN STATE WATER LINE PLAN AND PROFILES	

CONSTRUCTION NOTES

RAWN BY: R. Graine

CHECKED BY: S. Kowalewsk

REFERENCES

FILE NUMBER

I-1950.01

July 19, 201

01 OF 50

All construction, except where noted, shall be done in accordance with the Santa Barbara County Standard Drawings and May 2006 Standard Specifications and California Department of Transportation (Caltrans) Standard Plans as listed below:

•	·		
AWING NO.	<u>DESCRIPTION</u>	DRAWING NO. CONT	<u>DESCRIPTION</u>
020 & 2-025 (SB COUNTY)	TYPE A DROP INLET	T3 (CALTRANS)	TEMPORARY RAILING (TYPE K)
030 & 2-035 (SB COUNTY)	CURB SUPPORT PLATE	NSP T65 (CALTRANS)	TEMPORARY FENCE (TYPE ESA)
040 & 2-045 (SB COUNTY)	TYPE A DROP INLET	D87D (CALTRANS)	OVERSIDE DRAIN
050 (SB COUNTY)	RADIUS CURB DRIVEWAY TYPE 1	D75A (CALTRANS)	STEEL PIPE INLETS
100 (SB COUNTY)	CURB, GUTTER AND CROSS GUTTER	D80 (CALTRANS)	CAST-IN-PLACE REINFORCED CONCRETE SINGLE BOX CULVER
110 (SB COUNTY)	MONOLITHIC CURB AND SIDEWALK	D81 (CALTRANS)	CAST-IN-PLACE REINFORCED CONCRETE DOUBLE BOX CULVER
120 (SB COUNTY)	ASPHALT CONCRETE DIKE AND EDGE OF PAVEMENT	D82 (CALTRANS)	CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT MISCELLANEOUS DETAILS
OA & A10B (CALTRANS)	ACRONYMS AND ABBREVIATIONS	D84 (CALTRANS)	BOX CULVERT WINGWALLS TYPE A, B AND C
OA TO A20D (CALTRANS)	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS	RSP D97A (CALTRANS)	CORRUGATED METAL PIPE COUPLING DETAILS
4A TO A24E (CALTRANS)	PAVEMENT MARKINGS ARROWS, SYMBOLS AND NUMERALS, WORDS AND CROSSWALKS	B11-7 (CALTRANS)	CHAIN LINK RAILING
3B (CALTRANS)	MARKERS		
3C (CALTRANS)	DELINEATORS, CHANNELIZERS, AND BARRICADES	CALTRANS ELECTRIC SYSTEMS:	
7B (CALTRANS)	ASPHALT CONCRETE DIKES		/ ES-4A TO ES-4E / ES-5A TO ES-5D
P A85 (CALTRANS)	CHAIN LINK FENCE	,	H / ES-7J / ES-7M TO ES-7N / ES-7P / ES-8 /
P A87A (CALTRANS)	CURBS AND DRIVEWAYS	ES-13A	
P A88A (CALTRANS)	CURB RAMP DETAILS		
1 (CALTRANS)	ROADSIDE SIGNS TYPICAL INSTALLATION DETAILS NO. 1		

ROADSIDE SIGNS - WOOD POST TYPICAL INSTALLATION DETAILS NO 2.

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATION)

		
CONITACT	INFORMATION	
L.UNI I AU. I	INFURMATION	

	00111	ACT IN CINIMATION	
UTILITY COMPANY	CONTACT	TELEPHONE NUMBER	CALTRANS District 5
Comcast Cablevision	Alan Upchurch	(805) 345-3916	CALTRANS District 5
Greka Energy	Ray Marroquin	(805) 938-7709	Encroachment Permit Plans
Golden State Water Company	Henric Szopinski	(805) 528-7356	Permit No. 0510 NRP 0690
Laguna Sanitation District	Martin Wilder	(805) 739-8750	Plan No.
Pacific Gas & Electric Company	Mike Orban	(805) 346-2225	Approval Date SEPTEMBER 14, 2012
Southern California Gas Company	Claudia Turner	(805) 681-8024	
Verizon Communications	Bryan Davis	(805) 928-7642	Page of

GENERAL NOTES

- All work shall be done in accordance with the latest edition standard specifications and plans of the County of Santa Barbara and the May 2006 standard plans and specifications of the State of California Department of Transportation, where not covered by the former, and shall be completed to the satisfaction of the City Engineer.
- 2. All plans must be signed by the City Engineer within the past year, and all work must be performed to the satisfaction of the City Engineer and California Department of Transportation.
- All work in the State right of way is subject to the terms and conditions of Caltrans Encroachment Permit 0510—NRP—0690 and any associated permit riders.
- 4. The contractor shall contact Underground Service Alert (U.S.A.) at least two working days prior to beginning of construction at 1-800-422-4133 per Government Code 4216 & 4217. Caltrans facilities are not covered by U.S.A. call Caltrans inspector to coordinate layout of Caltrans electrical systems
- 5. The contractor shall practice safety at all times and shall furnish, erect and maintain such fences, barricades, lights and signs necessary to give adequate protection to the public at all times. Temporary traffic control shall be approved by the City Engineer and California Department of Transportation.
- 6. Contractor to locate, protect and repair at his expense, any utilities damaged by his forces.
- 7. All traffic control devices shall be installed and conform to the latest edition of the California Manual on Uniform Traffic Control Devices (CA MUTCD).
- Contractor shall provide a traffic control plan to public works and two weeks prior to commencement of work and prior to issuance of encroachment permit.
- Water for this project shall be metered at the nearest feasible fire hydrant to construction and charged to the contractor.
- 10. Disposal fees will be charged to the contractor at the City landfill site for any disposal of debris generated by this project.
- 11. Contractor shall obtain an encroachment permit from Caltrans and Santa Barbara County Public Works Department prior to performing any work within public right of way or
- 12. All streets, alleys, vehicular ways, sidewalks, and haul routes shall be kept clean and clear of debris, dirt and dust in a manner acceptable to the city and county. at a minimum these areas shall be cleaned at the end of each work day. Failure to do so will result in a "STOP WORK" notice. Said notice will not be released until the area
- 13. Contractor to obtain a permit from Department of Industrial Relations, Division of Occupational Safety & Health. Call OSHA at 1-818-901-5403 for further information. (Health & Safety Code 17922.5).
- 14. All compaction test results within right—of—way and easements shall be submitted directly to the City Public Works Department Engineering Division by approved testing company at time of first availability of results.
- 15. Contractor is responsible for preservation and/or perpetuation of all existing monuments which control subdivisions, tract, boundaries, streets, highways, or other rights—of—way, easements or provide survey control which will be disturbed or removed due to contractor's work. Contractor shall provide a minimum of 10 working days notice to project engineer/surveyor prior to disturbance or removal of existing monuments. Project engineer/surveyor shall coordinate with contractor to reset monuments or provide permanent witness monuments and file the required documentation with the County Surveyor pursuant Business and Professions Code 8771.
- 16. All state right—of—way monuments or control points shall be protected during construction and replaced by the contractor if damaged by contractor's operations, at the contractor's own cost. Monument re-establishment shall be coordinated with Nick Tatarian at (805) 549-3220.
- 17. Project abbreviations shall be per Caltrans Standard Plans A10A and A10B (Acronyms and Abbreviations).

REVISION

18. All underground utilities shall be installed prior to construction of street improvements.

ENGINEERS INC

Engineers • Surveyors • Construction Managers

Quality Infrastructure Services

16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841

Adam S. Chase, No. 74043

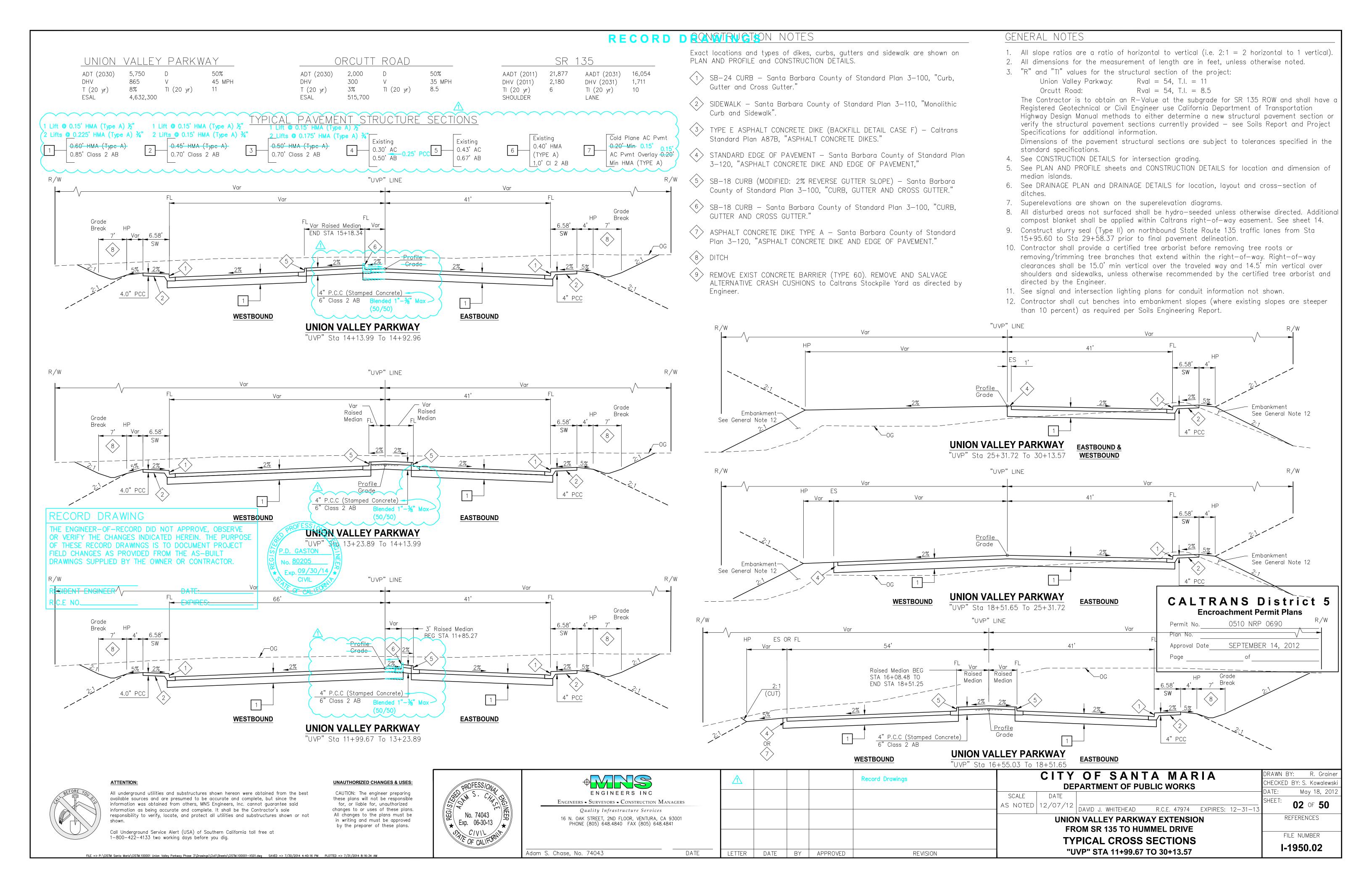
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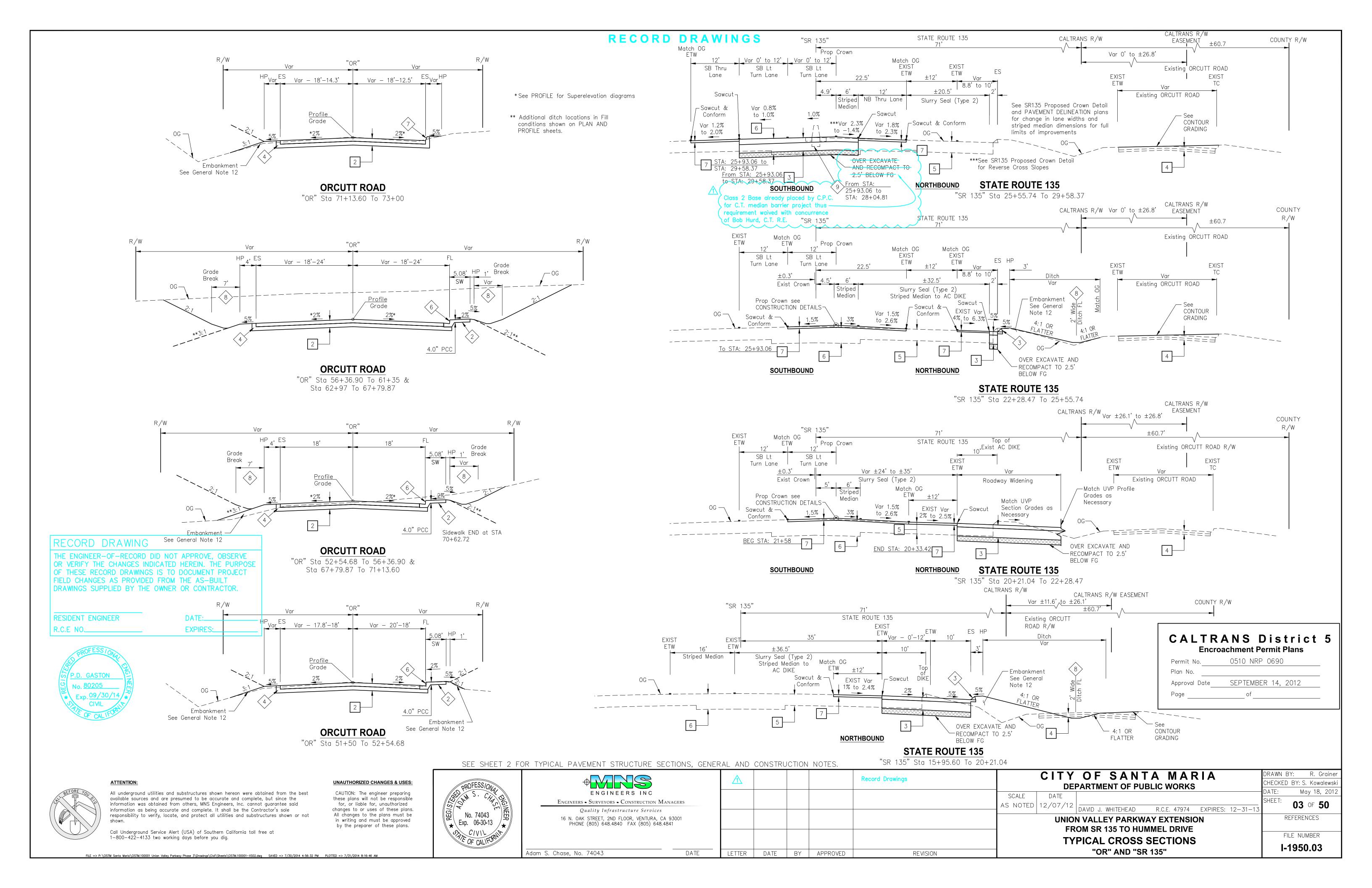
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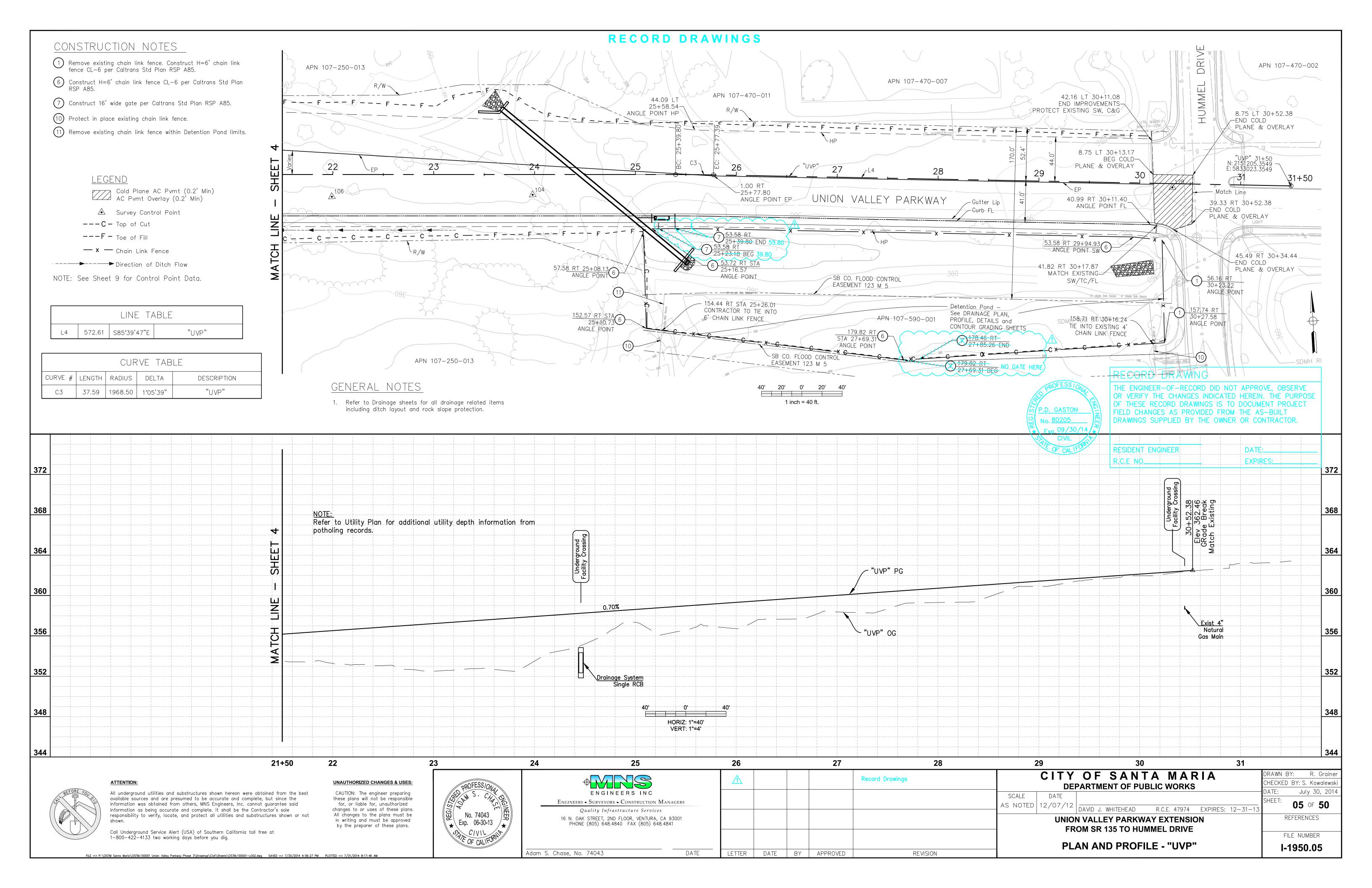
- 19. These plans shall include all as—built revisions prior to the acceptance of improvement by City and by California Department of Transportation.
- 20. Contractor to refer to Soils Engineering Report by Earth Systems Pacific dated March 28, 2011, document number SL-16016-SB.

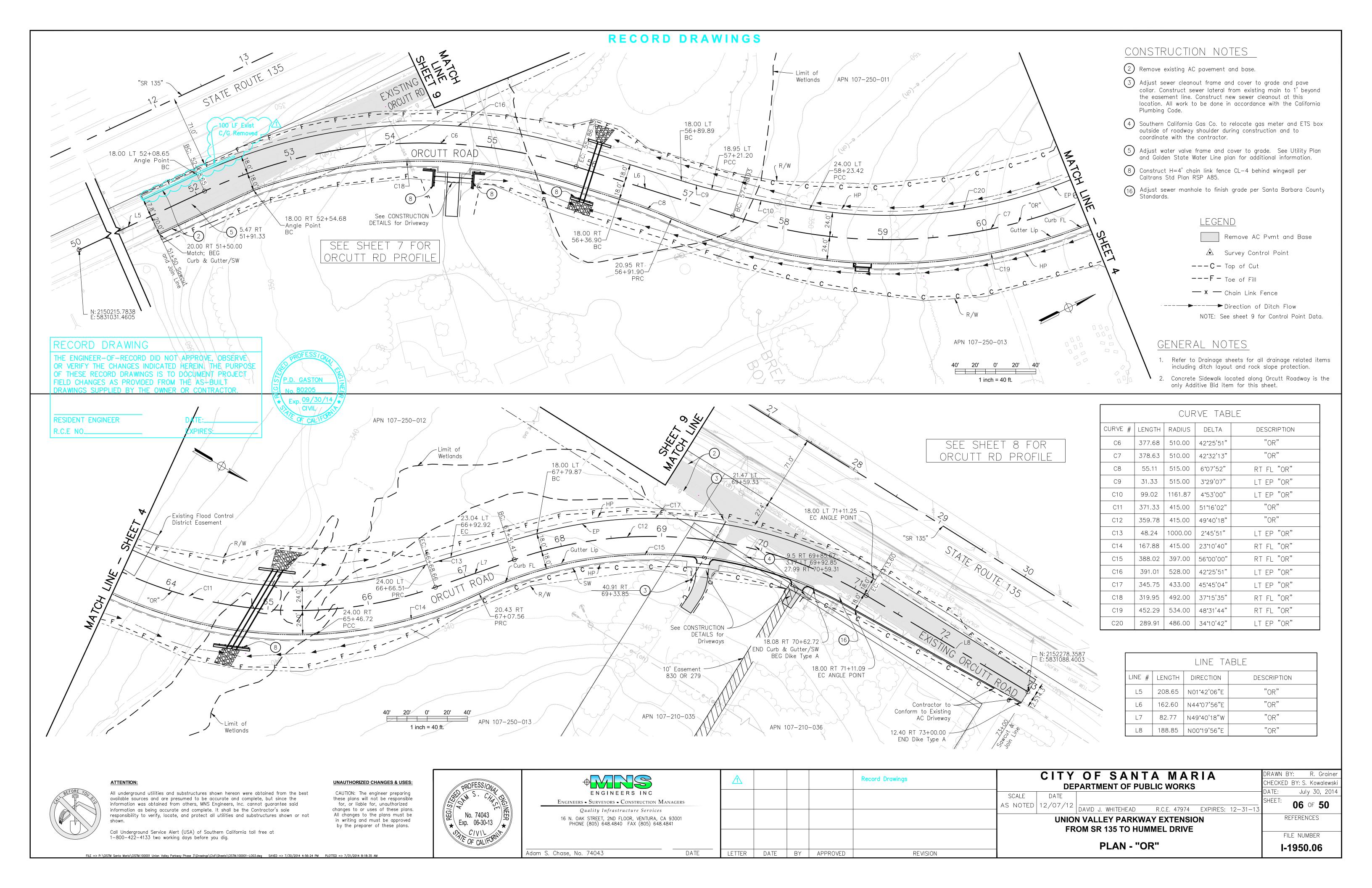
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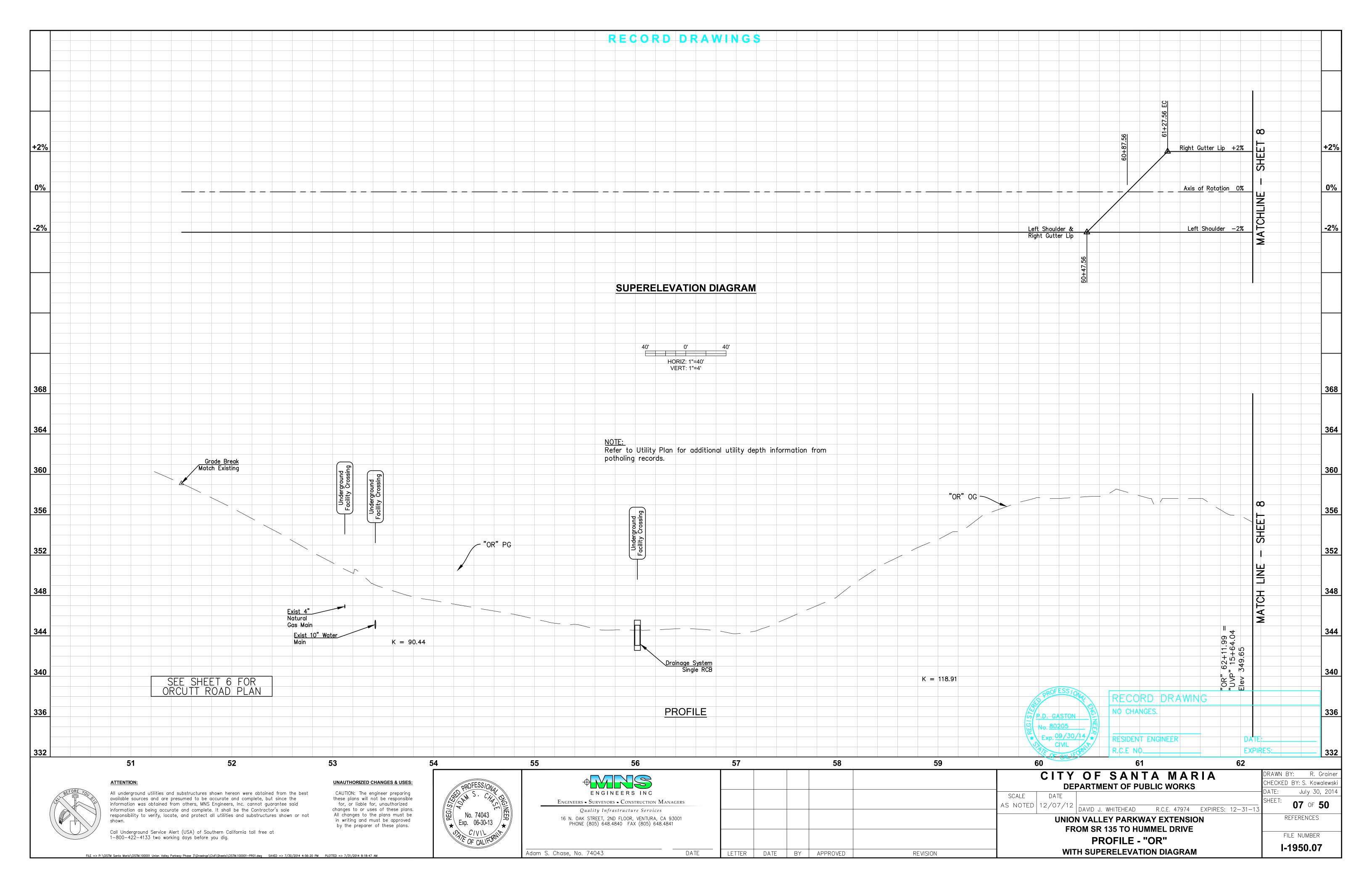


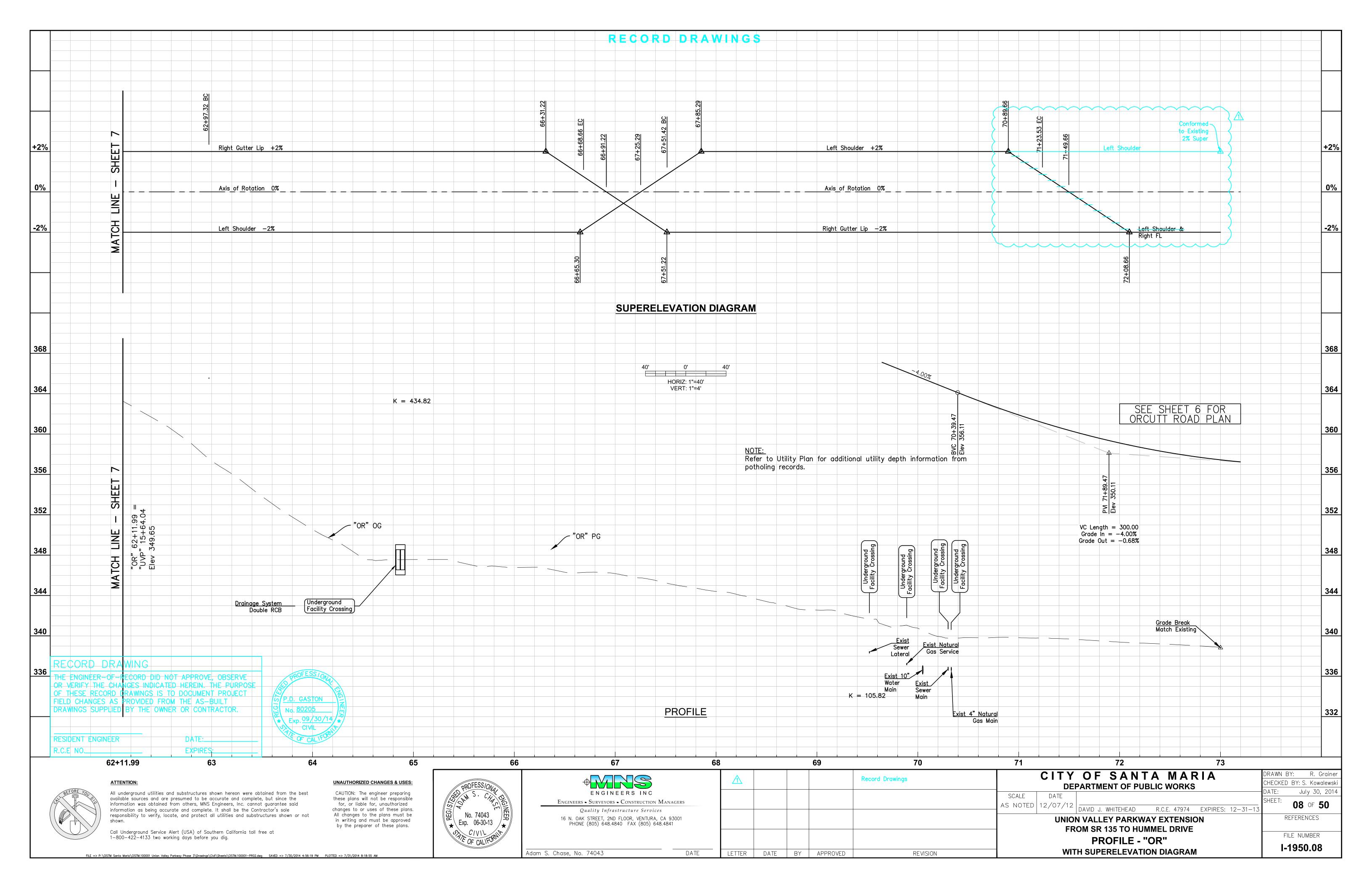


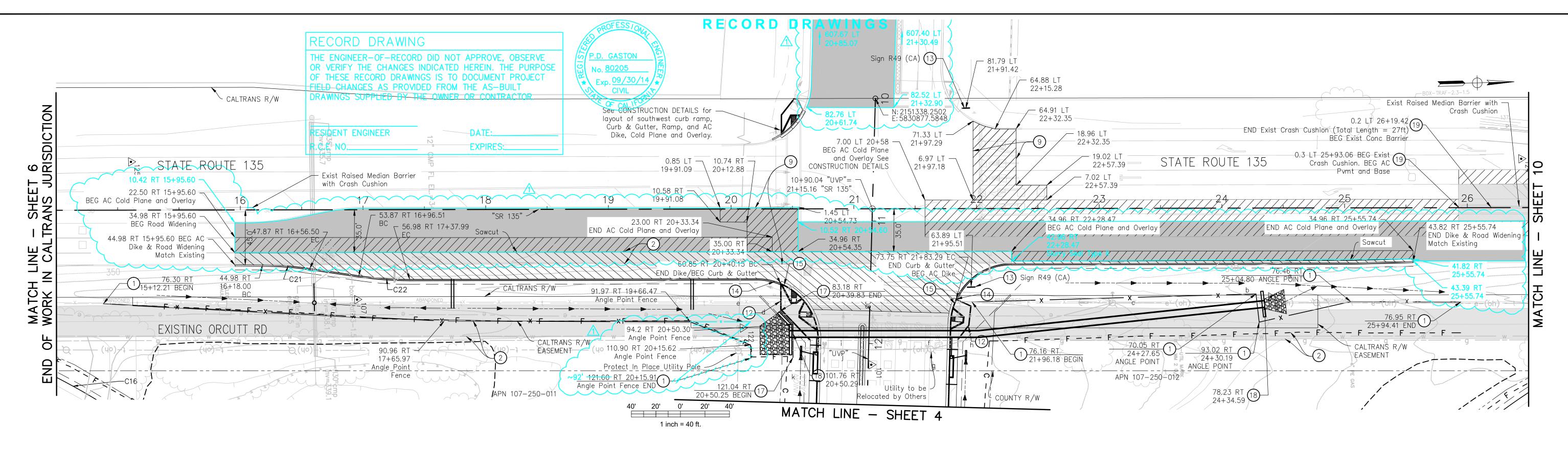
		RECORD DE	RAWINGS			
LINE TABLE LINE # LENGTH DIRECTION DESCRIPTION			IEET 6		40' 20' 0' 20' 40' 1 inch = 40 ft.	
L1 1539.80 S86°45'25"E "UVP" L2 169.76 N01°35'43"E "OR"	APN 107-250-012	MATCH LINE - St	1EL I	APN 107-250-013	812	64.00 17.201.83.77
L3 27.16 S76°22'05"E LT FL "UVP"	R/W	76.58 LT 15+05.77 NGLE POINT HP	HP		6VE	_64.00 LT 20+83.77 ANGLE POINT HP
CURVE TABLE CURVE # LENGTH RADIUS DELTA DESCRIPTION	c c c c c		62+97-32	350	OSC R/W	3
C1 31.61 175.76 10°18'17" LT FL "OR"	66 00 LT	C2 Gutter Lip	- C	**************************************	F - F	— — u)
C2 46.69 257.50 10°23'20" LT FL "OR" NOTE: See SHEET 9 for Control Point Data	00.00 E1 13+73.96 BC FL 58.22 LT 14+32.11	54.00 LT 1— 54.00 LT 1— 14+78.54 EC FL 123	54.00 LT 16+55.03- END CURB 99 BEG AC DIKE 99	AC Dike FL 54.00 LT 18+51.65 END AC DIKE 18+4		24.19 LT 21+49.72— ANGLE POINT EP
<u>LEGEND</u>	63.12 LT BC FL 14+05.39 Gutter Lip EC FL 14 13	Raised O Shift Gut	wn Line ft to match ter Lip 6	END AC DIKE 18+4	LT 43.75 R=7.5' 19 \(\text{"UVP"} \)	
Stamped Concrete Survey Control Point *Additional manuments added please see	Crown/Grade Break shifted to Gutter Lip	**************************************		Median	O RT -43.75 UNION VALLEY PARKWAY 2	
Survey Control Point *Additional monuments added, please see C - Top of Cut F - T C - Till	The match Gutter Lip Curb FL	O: F N: 2151306.3422 E: 5831440.7188	CURB FL 79	Gutter Lip	HP HP	WATCH TO THE PROPERTY OF THE P
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GENERAL NOTES 1. Refer to Drainage sheets for all drainage related items	e-(oh)	MATCH LINE -	SHEET 6		PROFESSIONAL THE ENGINEER-OF-RECORD OR VERIEV THE CHANCES	D DID NOT APPROVE, OBSERVE
including ditch layout and rock slope protection.	APN 107-250-011		SHEET O	APN	107-250-0135 P.D. GASTON OF THESE RECORD DRAWIN FIELD CHANGES AS PROVIDED BY THE	IGS IS TO DOCUMENT PROJECT DED FROM THE AS-BUILT HE OWNER OR CONTRACTOR
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			Undergroui acility Cros	Grade Out = 0.70%		3
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B46 Low Point 12+1	0.00	UVF				
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-1.00%— Exist/ 4" Natural Gas Main to be Relocated Exist 4" Natural Gas Main to be Relocated Exist W	13+70.0			potholing records.		3
38 Exist Wo	ope 7 %	-40' 0'	40'			3
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334 Single RCB G G 10 11 12	Grade In = -1.00% Grade Out = 2.00%	15	16 17	18	19 20	21
ATTENTION:	NAUTHORIZED CHANGES & USES:		<u>A</u>	Record Drawings	CITY OF SANTA MAR DEPARTMENT OF PUBLIC WORKS	DRAWN BY: R. Gra CHECKED BY: S. Kowale
available sources and are presumed to be accurate and complete but since the	ese plans will not be responsible for, or liable for, unauthorized anges to or uses of these plans.	ENGINEERS INC ENGINEERS - SURVEYORS - CONSTRUCTION MANAGERS Quality Infrastructure Services			SCALE DATE AS NOTED 12/07/12 DAVID J. WHITEHEAD R.C.E. 47974 E	DATE: July 30, 2 SHEET: 04 OF 50
responsibility to verify, locate, and protect all utilities and substructures shown or not shown. Call Underground Service Alert (USA) of Southern California toll free at 1-800-422-4133 two working days before you dig.	No. 74043 Exp. 06-30-13 C/VIL	16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841			UNION VALLEY PARKWAY EXTENSION FROM SR 135 TO HUMMEL DRIVE	REFERENCES FILE NUMBER
FILE => P:\CISTM Santa Maria\CISTM.100001 Union Valley Parkway Phase 3\Drawings\Civil\Sheets\CISTM.100001-L001.dwg		ım S. Chase, No. 74043 DA	TE LETTER DATE BY APPROVI	ED REVISION	PLAN AND PROFILE - "UVP"	I-1950.04











GENERAL MAPPING NOTES AS PER DOCUMENTATION FROM REESE SURVEYING SERVICES (DATED 02/09/2010)

GENERAL MAPPING NOTES

- 1. Project units are US Survey Feet.
- 2. Horizontal datum for this map is NAD 83, 1991.35. Grid projection is CALIF ZONE V.
- 3. The vertical datum for this survey is NAVD88.

Project Benchmark No.1 - Point 125 Elevation 352.33 FT.

Description: Found concrete nail, approx. 3.5 feet easterly of westerly edge of pavement on southbound State Highway Route 135, approx. 483 feet southerly of the corner of the block wall at the northeasterly corner of Tract 5763, measured along the edge of pavement.

Project Benchmark No.2 — Point 128 Elevation 346.91 FT.

Description: Found concrete nail, approx 15.4 feet southeasterly of the center of Hummel Drive approx. 540 feet northerly of the intersection of Hummel Drive and Union Valley Parkway.

- 4. Horizontal and vertical control data were obtained from 1996 aerial mapping control available from the City of Santa Maria. That project was mapped in metric units with 0.5m interval.
- 5. Positions for project control and monuments were established by conventional traverse between 1996 aerial mapping control points 125 & 128.
- 6. Topography (contour, features) is a blend of 1996 aerial data (converted from metric to US survey feet) and 2010 ground survey. Ground surveyed areas for road conforms are shaded
- 7. Tree locations are from 2010 ground survey.
- 8. Cross sections are from 2010 ground survey.
- 9. Utility locations are from the 2010 ground survey of the markings from the Underground Service Alert responses by various utilities. The extent or types of utilities shown may or may not be complete.
- 10. Any boundary, right of way (existing or proposed) and/or centerline data are derived from a 2009 right of way map produced for the proposed Union Valley Parkway Phase 3 study available from the City of Santa Maria.
- 11. Information regarding Caltrans right—of—way Easement Parcel #11508 may be obtained from Caltrans District 5 Right—of—Way Department, San Luis Obispo, California, phone number 805.549.3111.

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142 2152453.52 5831045.14 329.36 RBCT 143 2152672.22 5830944.06 326.20 RBCT	140	2151871.40	5831055.08	331.32	RBCT			
143 2152672.22 5830944.06 326.20 RBCT	141	2152493.47	5830951.99	329.11	RBCT			
	142	2152453.52	5831045.14	329.36	RBCT			
144 2152698.39 5831056.34 325.58 RBCT	143	2152672.22	5830944.06	326.20	RBCT			
	144	2152698.39	5831056.34	325.58	RBCT			

GENERAL NOTES

1. Refer to Drainage sheets for all drainage related items including ditch layout and rock slope protection

CONSTRUCTION NOTES

- Remove existing chain link fence. Construct H=6' chain link fence CL-6 per Caltrans Std Plan RSP A85.
- (2) Remove existing AC pavement and base.
- 9 Loop detectors as shown on electrical sheets to be installed in existing pavement, the existing pavement shall be cold planed 0.20' and loops placed under AC pavement overlay.
- (12) Construct integral 6" curb as shown along back of walk per Caltrans Std Plan RSP A88A.
- (13) Install Pedestrian Barricade per Caltrans Std Plan ES-7P, Type I.
- For AC Dike to Concrete Curb transition, see CONSTRUCTION Construct curb and gutter B2-6 per Caltrans Std Plan RSP A87A. - BEG: 60.85 RT 20+40.15; END: 108.41 RT 20+71.02 BEG: 93.53 RT 21+78.50; END: 73.75 RT 21+83.29
- (17) Construct H=6' chain link fencing per Caltrans Std. Plan RSP A85, A85A, A86B. Install angle points as required see additional detail on Sheet 22, Drainage System 1(d) Headwall.
- (18) Place Metal Sign "STORM DRAIN MAINTAINED BY COUNTY OF SANTA BARBARA" with reflective white with black lettering (R sign reflectivity and lettering specifications) on the fence above the inlet and on the headwall of the outlet (total = 2).
- (19) Remove Exist Concrete Barrier (Type 60). Remove and Salvage Alternative Crash Cushions (2 total) to Caltrans Stockpile Yard as directed by Engineer.

LEGEND

Cold Plane AC Pvmt (0.2' Min)
AC Pvmt Overlay (0.2' Min)

Roadway Widening

Stamped Concrete

Remove AC Pvmt and Base

AC Pvmt and Base, see TYPICAL CROSS SECTIONS and typical pavement structure section.

△ Survey Control Point

---C- Top of Cut

---F - Toe of Fill

— **x** — Chain Link Fence --- Direction of Ditch Flow

Slurry Seal Type II

CURVE TABLE								
CURVE #	LENGTH	RADIUS	DELTA	DESCRIPTION				
C21	38.65	258.17	8°34'42"	RT FL "SR 135"				
C22	41.63	281.17	8°29'00"	RT FL "SR 135"				

CALTRANS District 5 **Encroachment Permit Plans** 0510 NRP 0690 Permit No. Plan No. Approval Date SEPTEMBER 14, 2012

NOTE: All station and offsets on this sheet are referred to the "SR 135" line.

DATE

ATTENTION:

All underground utilities and substructures shown hereon were obtained from the best available sources and are presumed to be accurate and complete, but since the information was obtained from others, MNS Engineers, Inc. cannot guarantee said information as being accurate and complete. It shall be the Contractor's sole responsibility to verify, locate, and protect all utilities and substructures shown or not

Call Underground Service Alert (USA) of Southern California toll free at 1-800-422-4133 two working days before you dig.

UNAUTHORIZED CHANGES & USES:

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.



	ENGINEERS INC
E	Engineers • Surveyors • Construction Manage

Adam S. Chase, No. 74043

Quality Infrastructure Services 16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841

\triangle				Record Drawings	
					SCALE
					AS NOTE
LETTER	DATE	BY	APPROVED	REVISION	

CITY OF SANTA MARIA

CHECKED BY: S. Kowalewsk **DEPARTMENT OF PUBLIC WORKS** NOTED 12/07/12 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-1

UNION VALLEY PARKWAY EXTENSION FROM SR 135 TO HUMMEL DRIVE

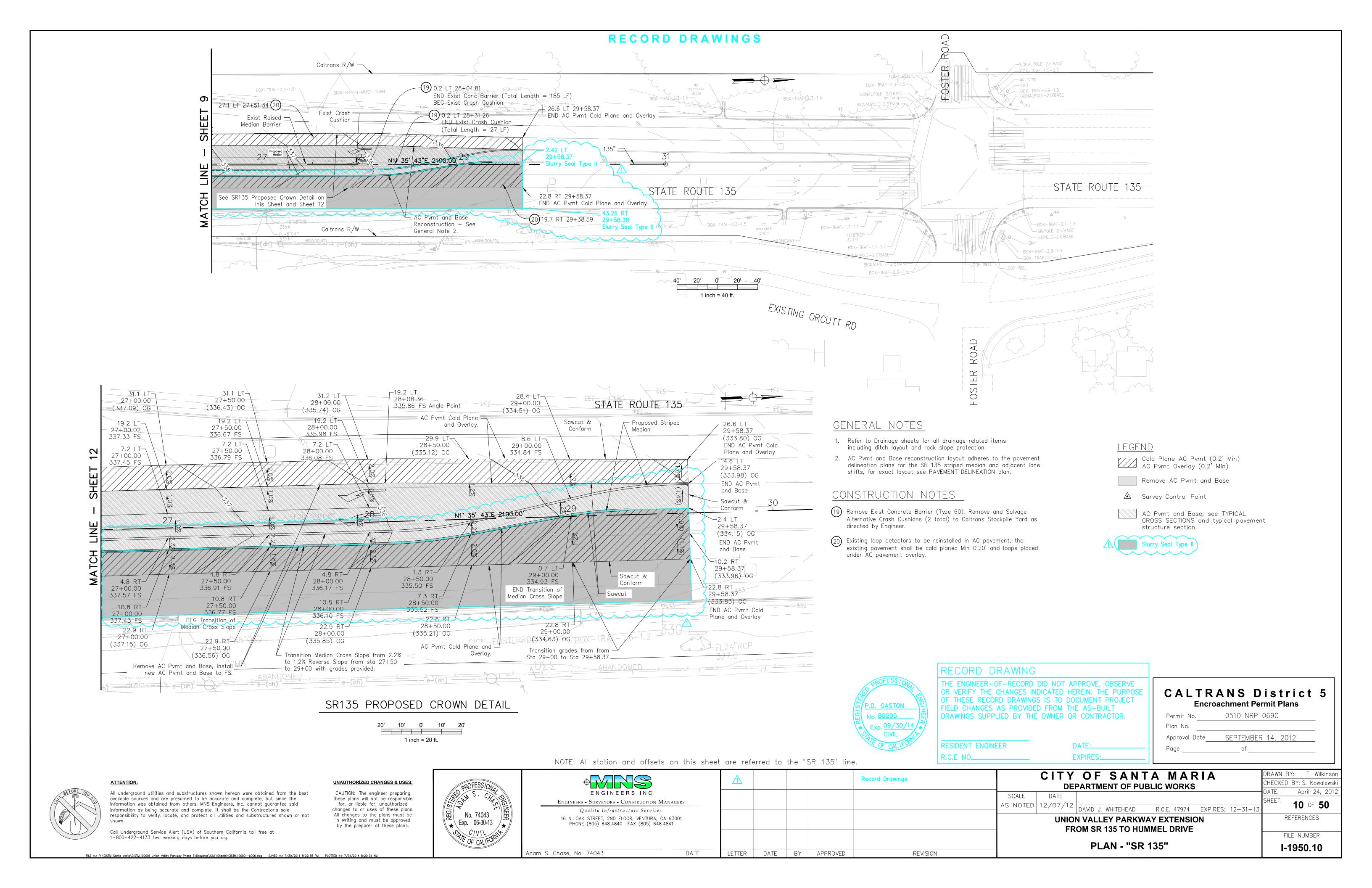
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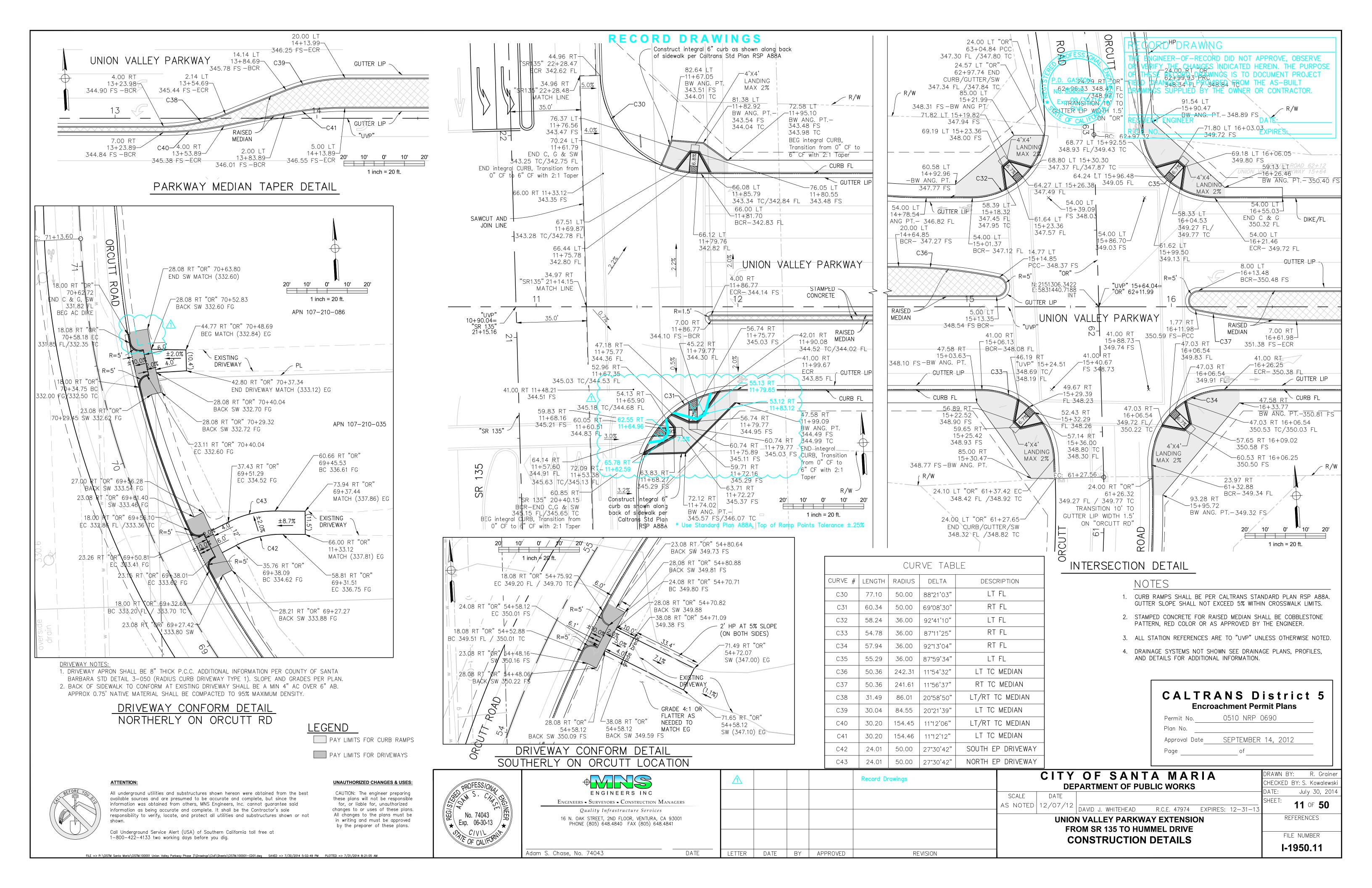
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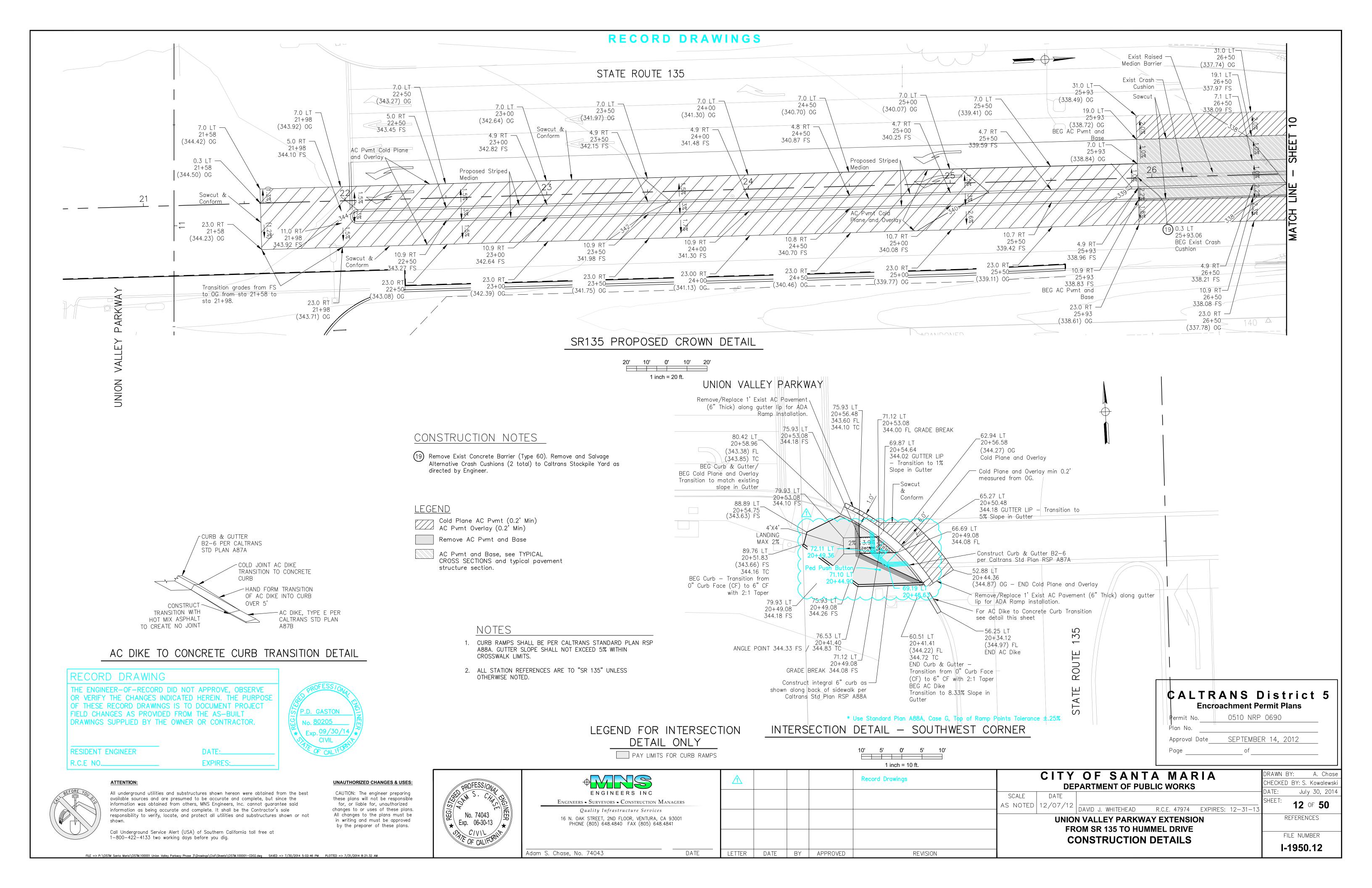
May 18, 2012

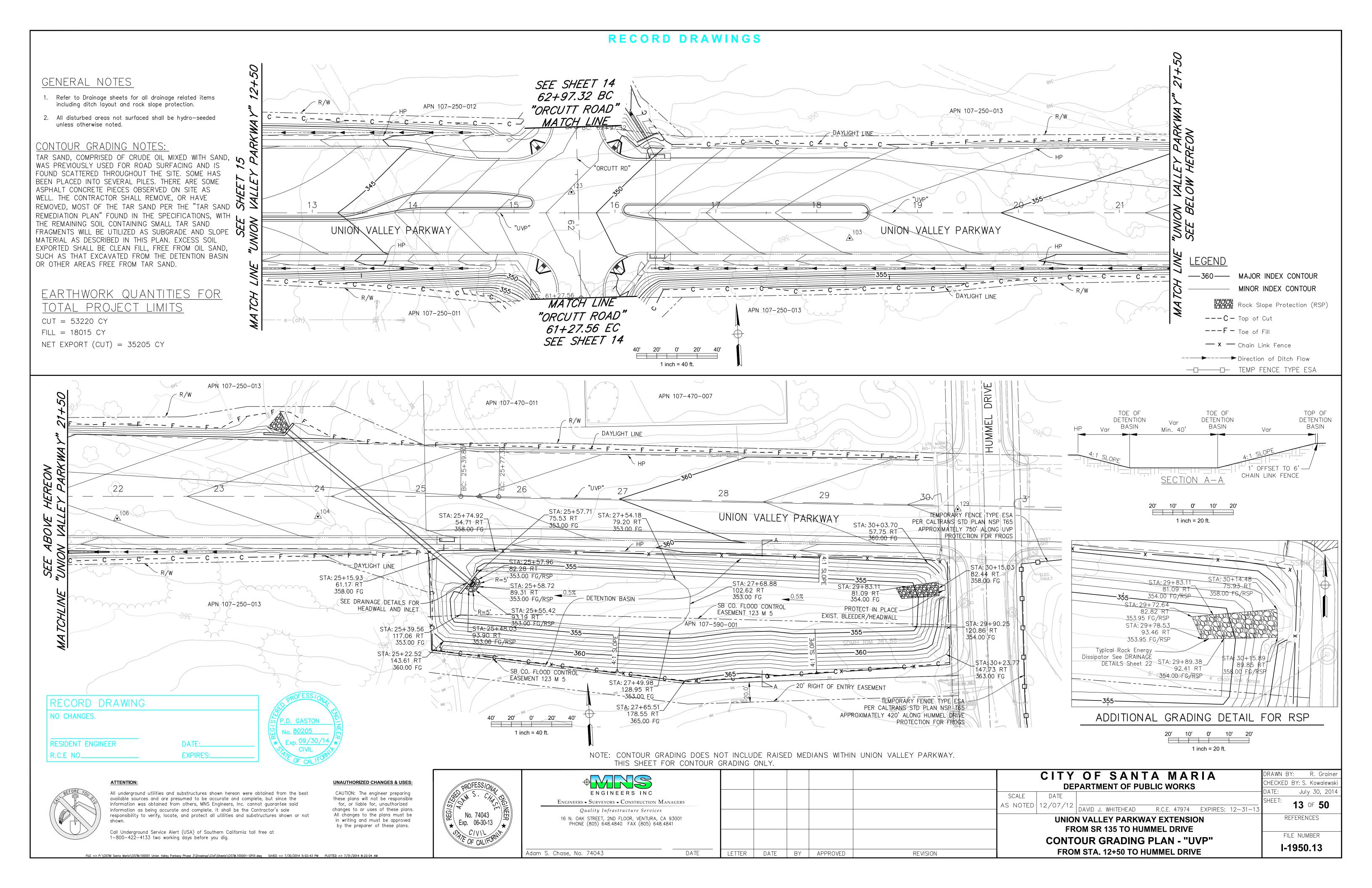
09 OF **50**

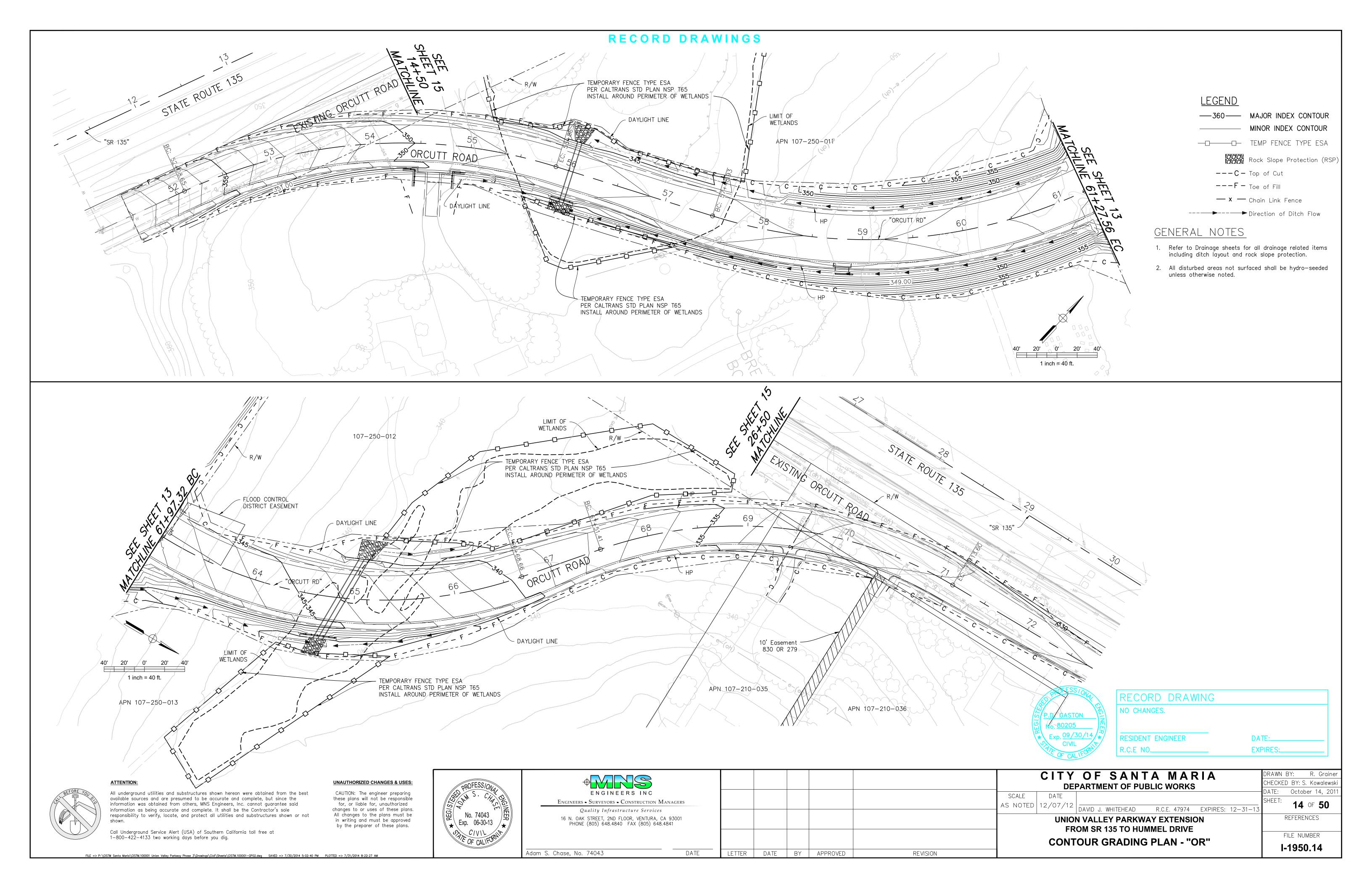
PLAN - "SR 135"

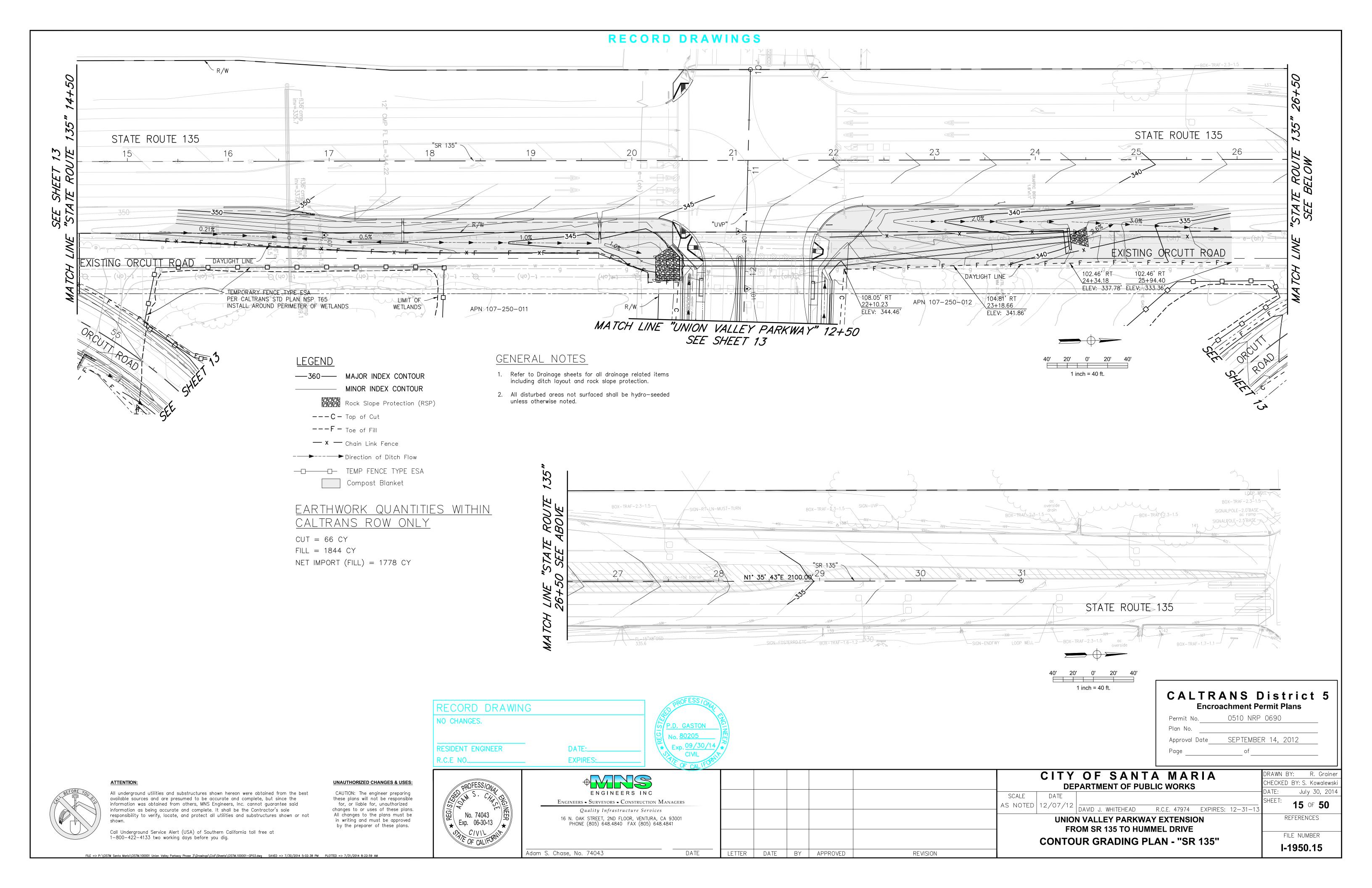


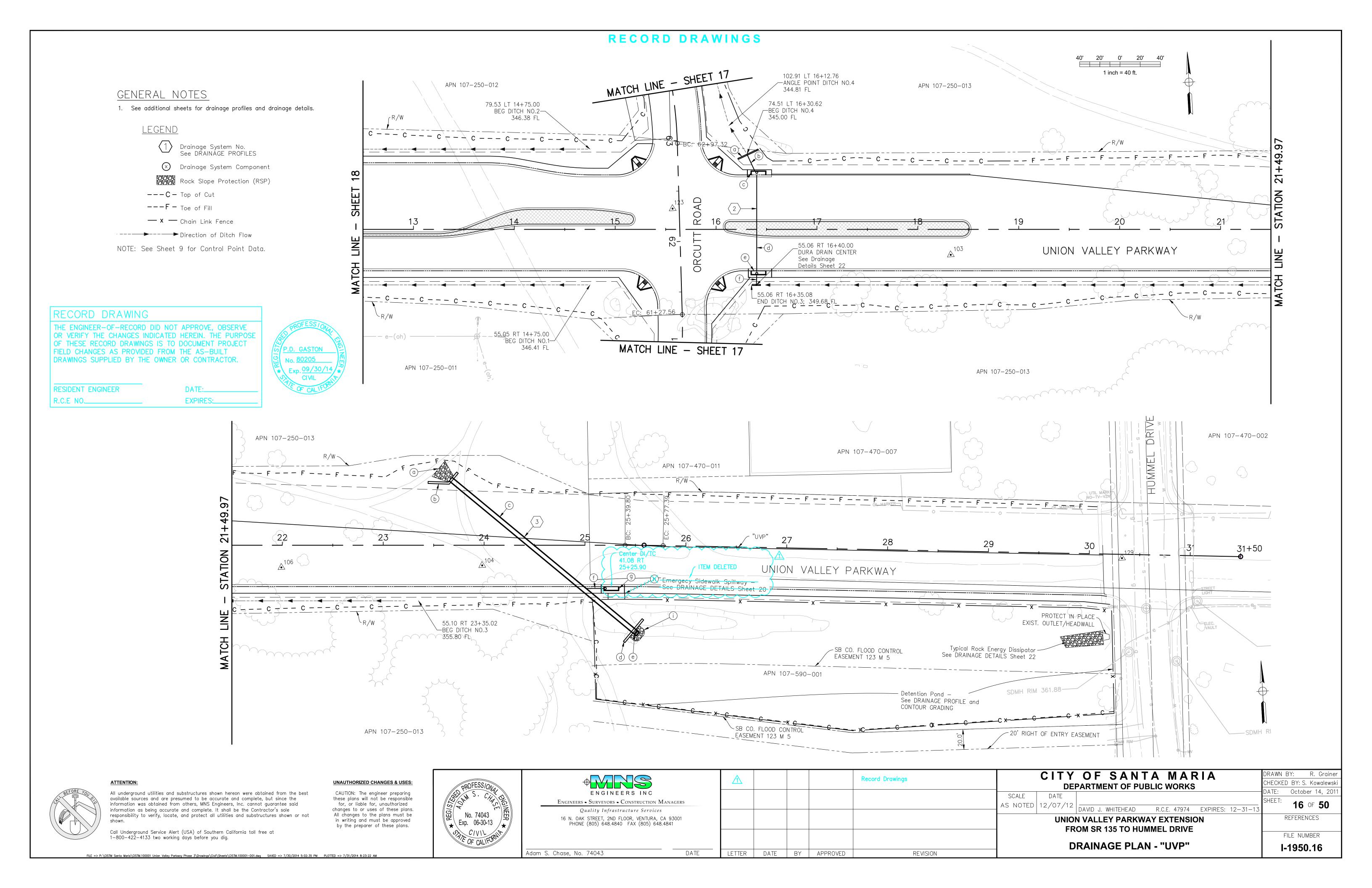


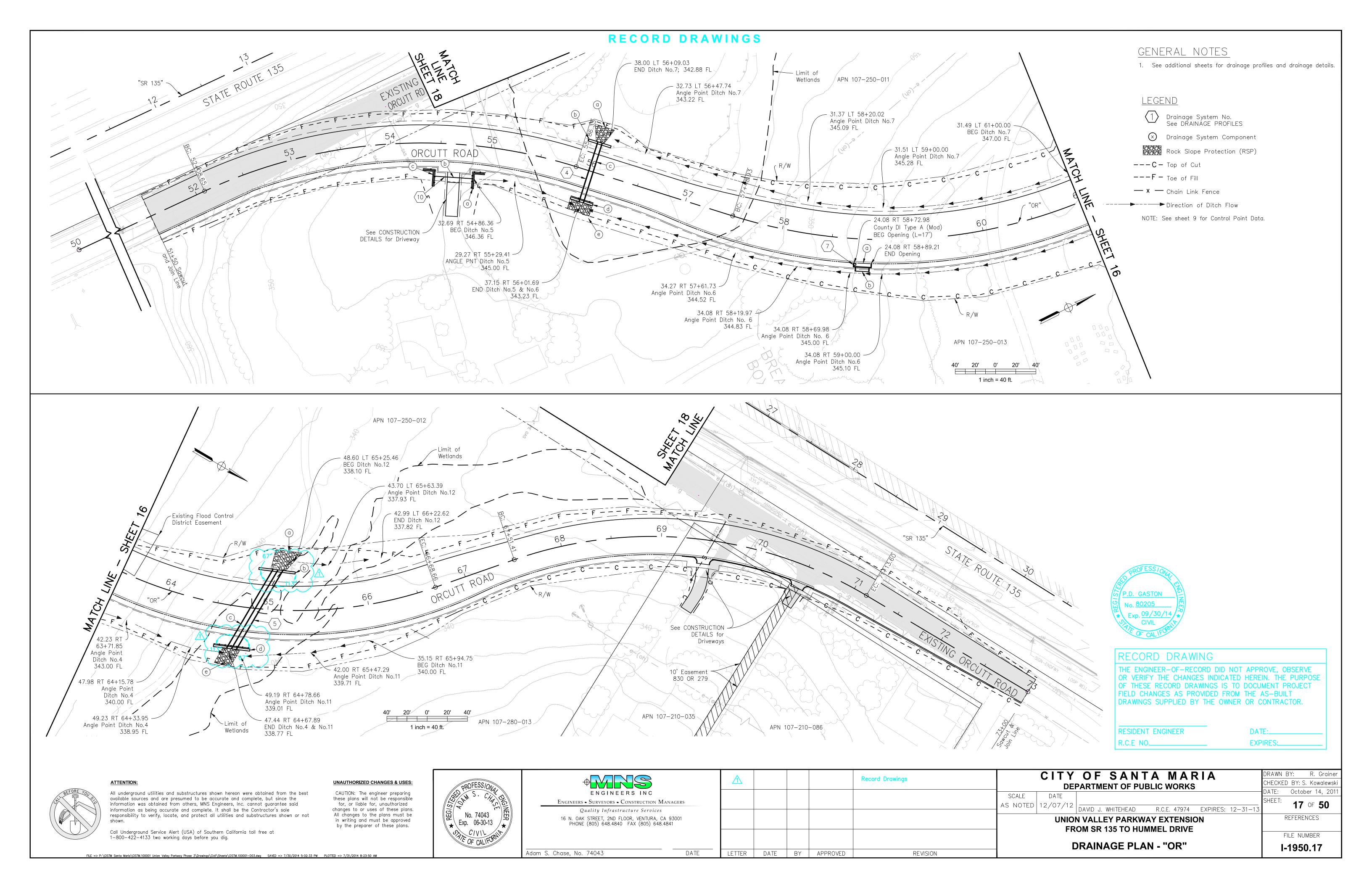


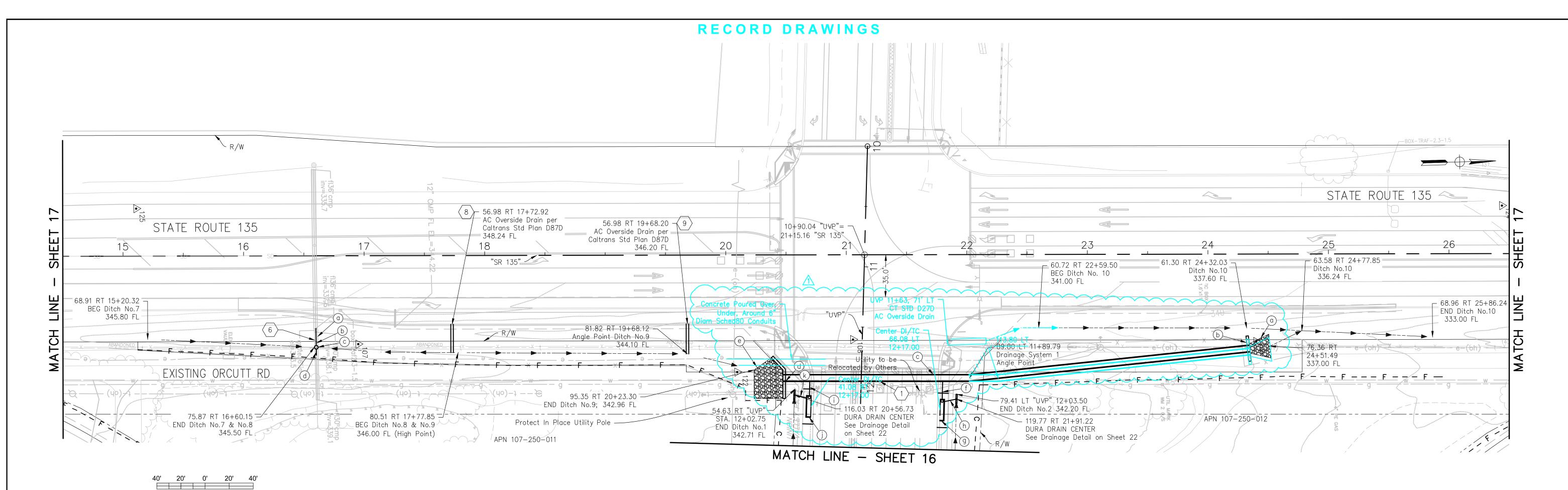












GENERAL NOTES

1. See additional sheets for drainage profiles and drainage details.

1 inch = 40 ft.

2. Refer to Utility plan for further information on underground and overhead facilities.

<u>LEGEND</u>

Drainage System No.
See DRAINAGE PROFILES

(x) Drainage System Component

Rock Slope Protection (RSP)

---C- Top of Cut

---F - Toe of Fill

— x — Chain Link Fence

Direction of Ditch Flow

RECORD DRAWING

THE ENGINEER-OF-RECORD DID NOT APPROVE, OBSERVE OR VERIFY THE CHANGES INDICATED HEREIN. THE PURPOSE OF THESE RECORD DRAWINGS IS TO DOCUMENT PROJECT FIELD CHANGES AS PROVIDED FROM THE AS-BUILT DRAWINGS SUPPLIED BY THE OWNER OR CONTRACTOR.

RESIDENT ENGINEER
R.C.E NO._____

DATE:_____
EXPIRES:__



NOTE: All station and offsets on this sheet are referred to the "SR 135" line.

BEF ORE YOU

ATTENTION:

All underground utilities and substructures shown hereon were obtained from the best available sources and are presumed to be accurate and complete, but since the information was obtained from others, MNS Engineers, Inc. cannot guarantee said information as being accurate and complete. It shall be the Contractor's sole responsibility to verify, locate, and protect all utilities and substructures shown or not

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Adam S. Chase, No. 74043

\triangle				Record Drawings
LETTER	DATE	BY	APPROVED	REVISION

Po	ermit No	0510 NRP 0690
PI	lan No.	
A	pproval Date	SEPTEMBER 14, 2012
Po	age	of
CITY OF SANTA M	IARIA	DRAWN BY: R. Graine

CALTRANS District 5

Encroachment Permit Plans

I-1950.18

DEPARTMENT OF PUBLIC WORKS

SCALE DATE
AS NOTED 12/07/12 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13

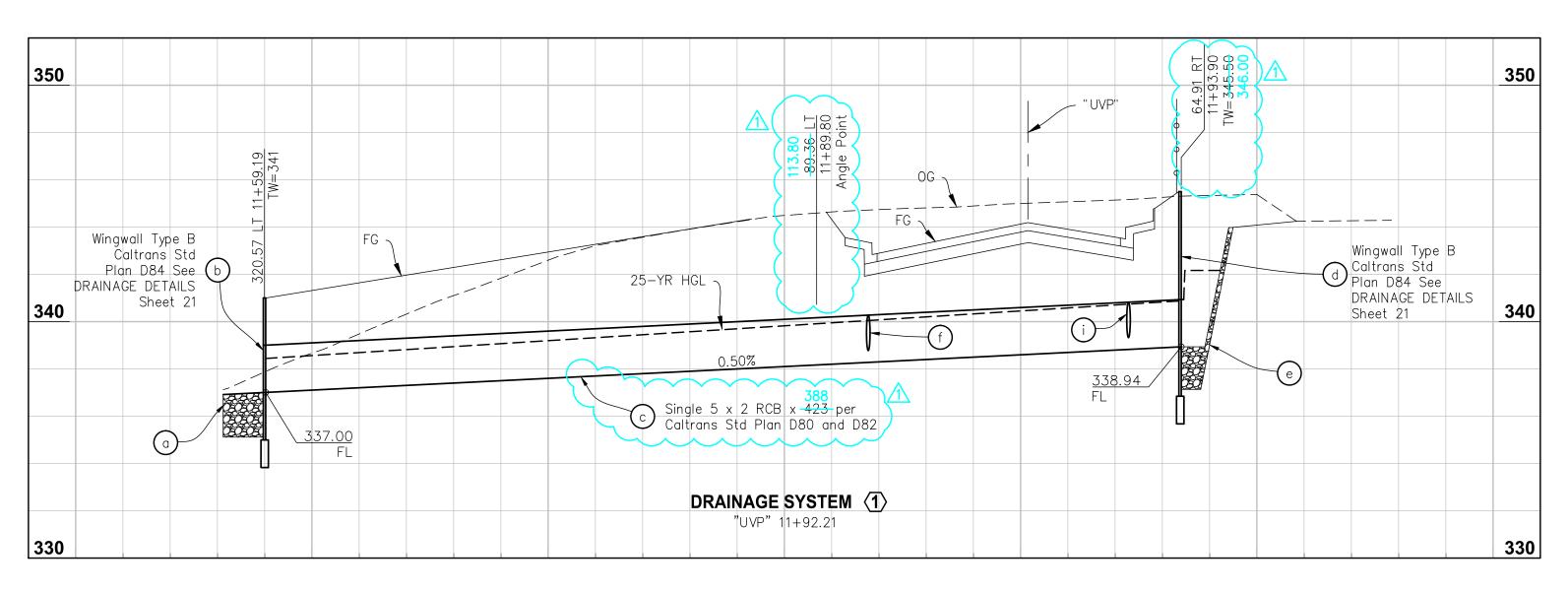
UNION VALLEY PARKWAY EXTENSION
FROM SR 135 TO HUMMEL DRIVE

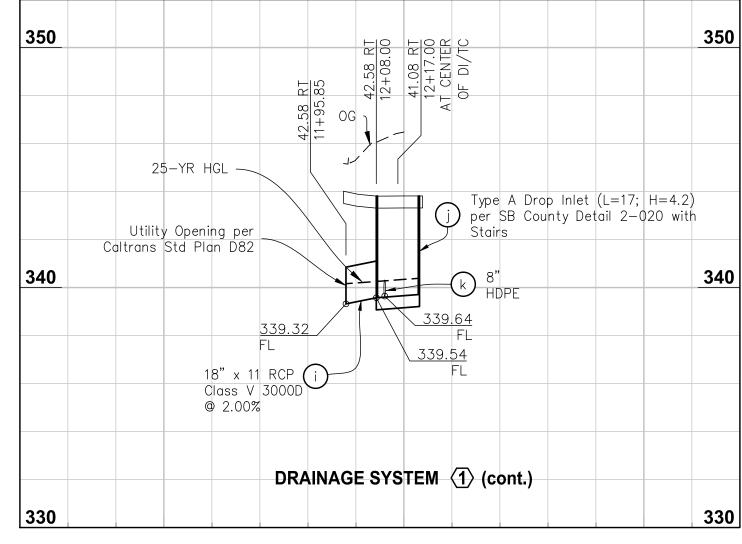
CHECKED BY: S. Kowdlewski
DATE: October 14, 2011
SHEET: 18 of 50

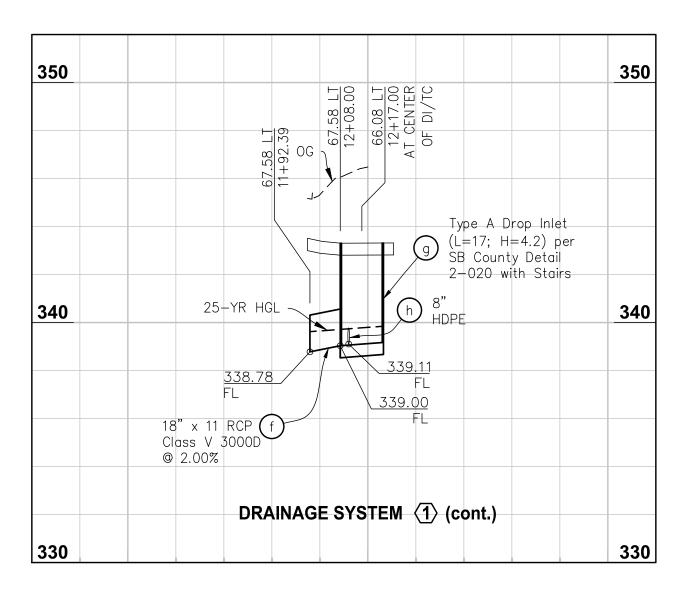
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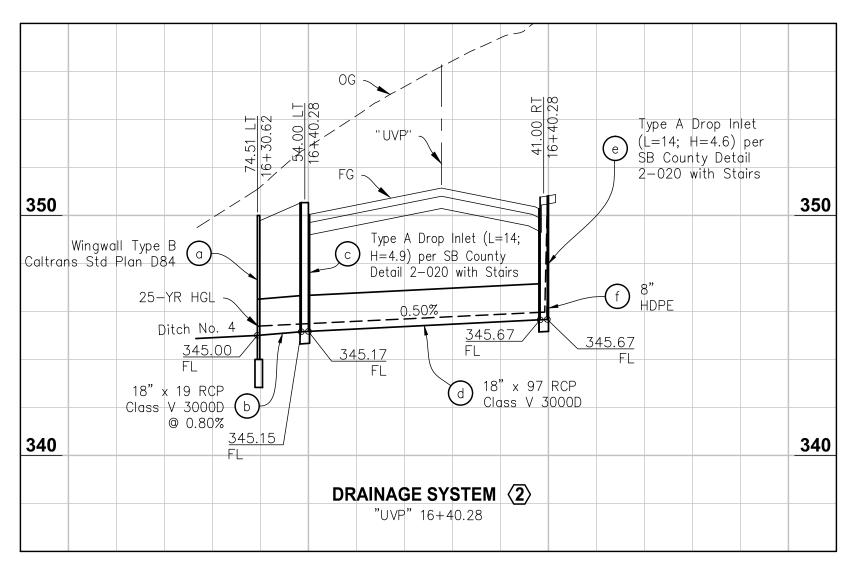
DRAINAGE PLAN - "SR 135"

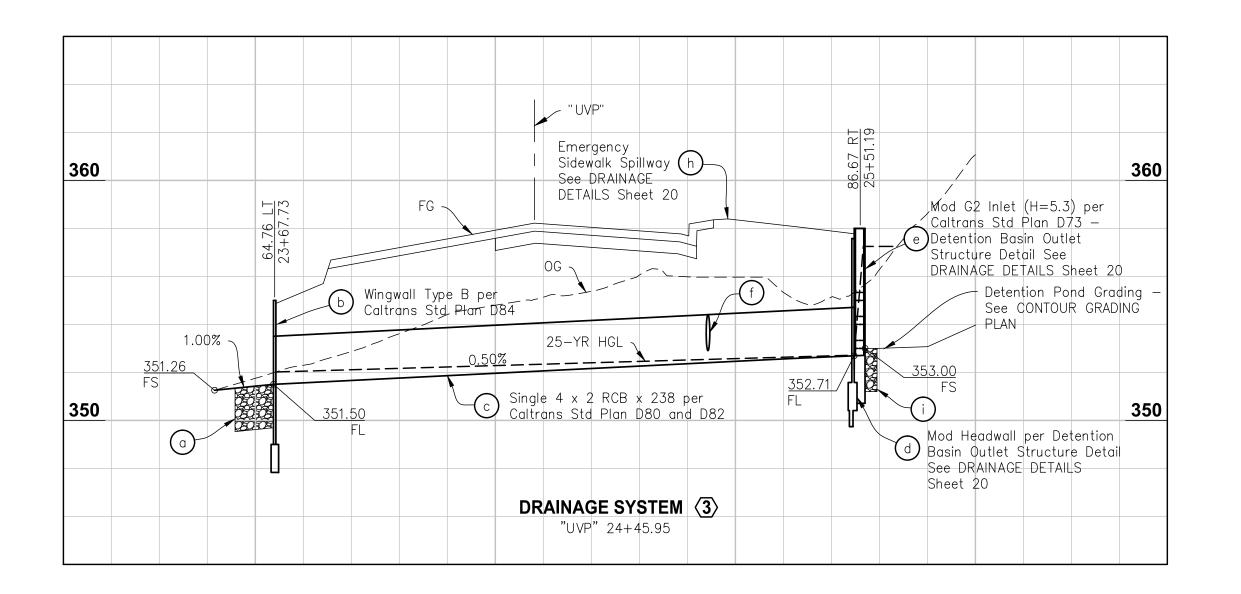
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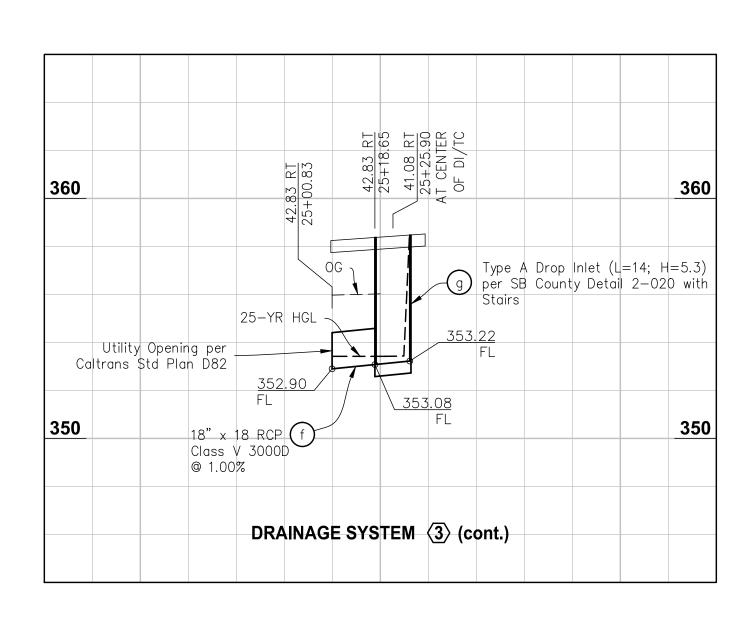












RECORD DRAWING

THE ENGINEER-OF-RECORD DID NOT APPROVE, OBSERVE OR VERIFY THE CHANGES INDICATED HEREIN. THE PURPOSI OF THESE RECORD DRAWINGS IS TO DOCUMENT PROJECT FIELD CHANGES AS PROVIDED FROM THE AS-BUILT DRAWINGS SUPPLIED BY THE OWNER OR CONTRACTOR.

RESIDENT ENGINEER R.C.E NO.

DATE:_ EXPIRES:





CALTRANS District 5 **Encroachment Permit Plans** 0510 NRP 0690 Permit No. Plan No. SEPTEMBER 14, 2012 Approval Date

ATTENTION:

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Call Underground Service Alert (USA) of Southern California toll free at 1-800-422-4133 two working days before you dig.

UNAUTHORIZED CHANGES & USES:

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Adam S. Chase, No. 74043

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REVISION

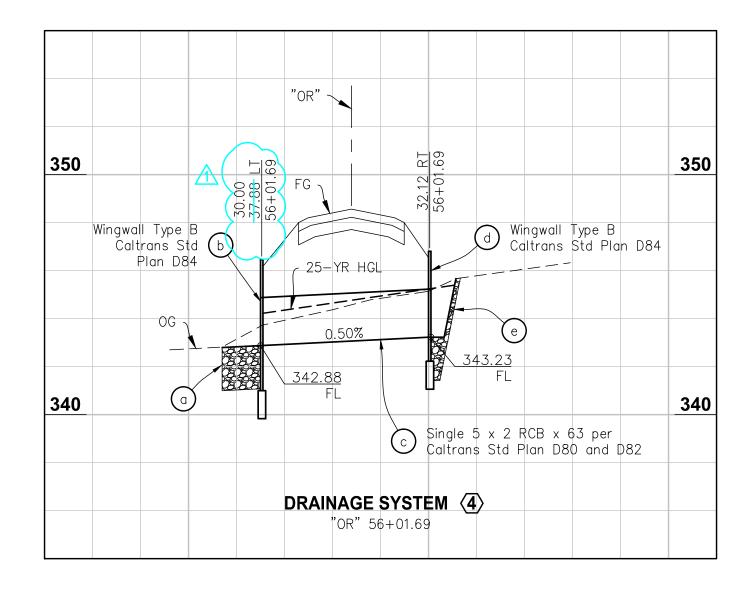
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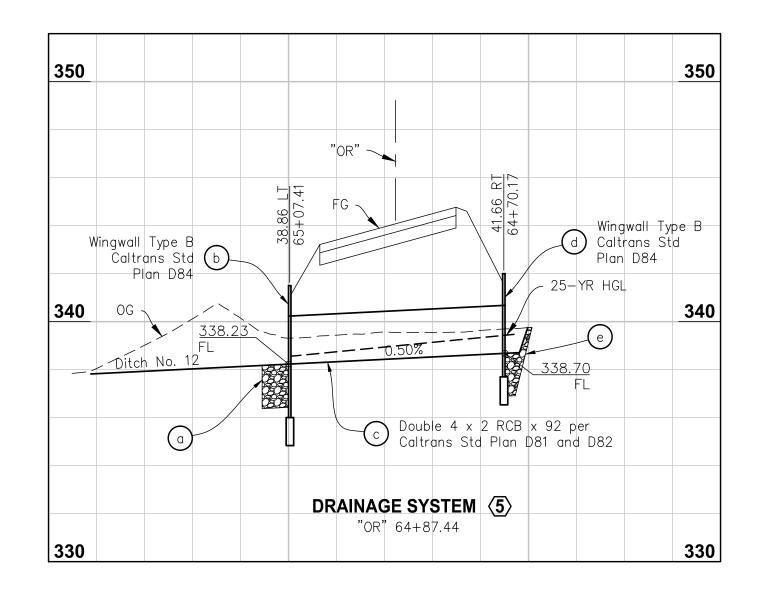
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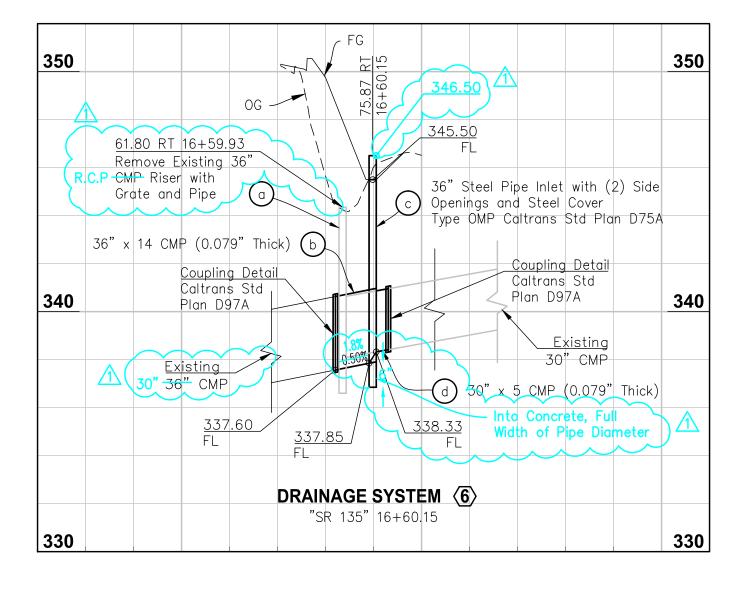
SCALE AS NOTED 12/07/12 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13 **UNION VALLEY PARKWAY EXTENSION** FROM SR 135 TO HUMMEL DRIVE **DRAINAGE PROFILES**

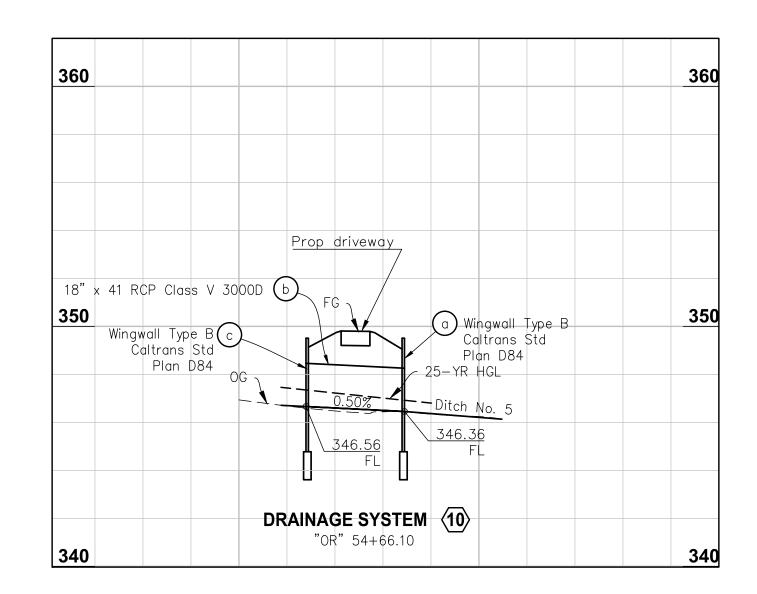
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	CHECKED BY: S. Kowalewski	
-	DATE: July 30, 2014	
	SHEET: 19 OF 50	
	REFERENCES	

FILE NUMBER I-1950.19 SYSTEMS 1-3









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RESIDENT ENGINEER

DATE:_



HORIZ: 1"=40' VERT: 1"=4'

CALTRANS District 5 **Encroachment Permit Plans** 0510 NRP 0690 Permit No. Plan No. SEPTEMBER 14, 2012 Approval Date

I-1950.20



ATTENTION:

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UNAUTHORIZED CHANGES & USES:

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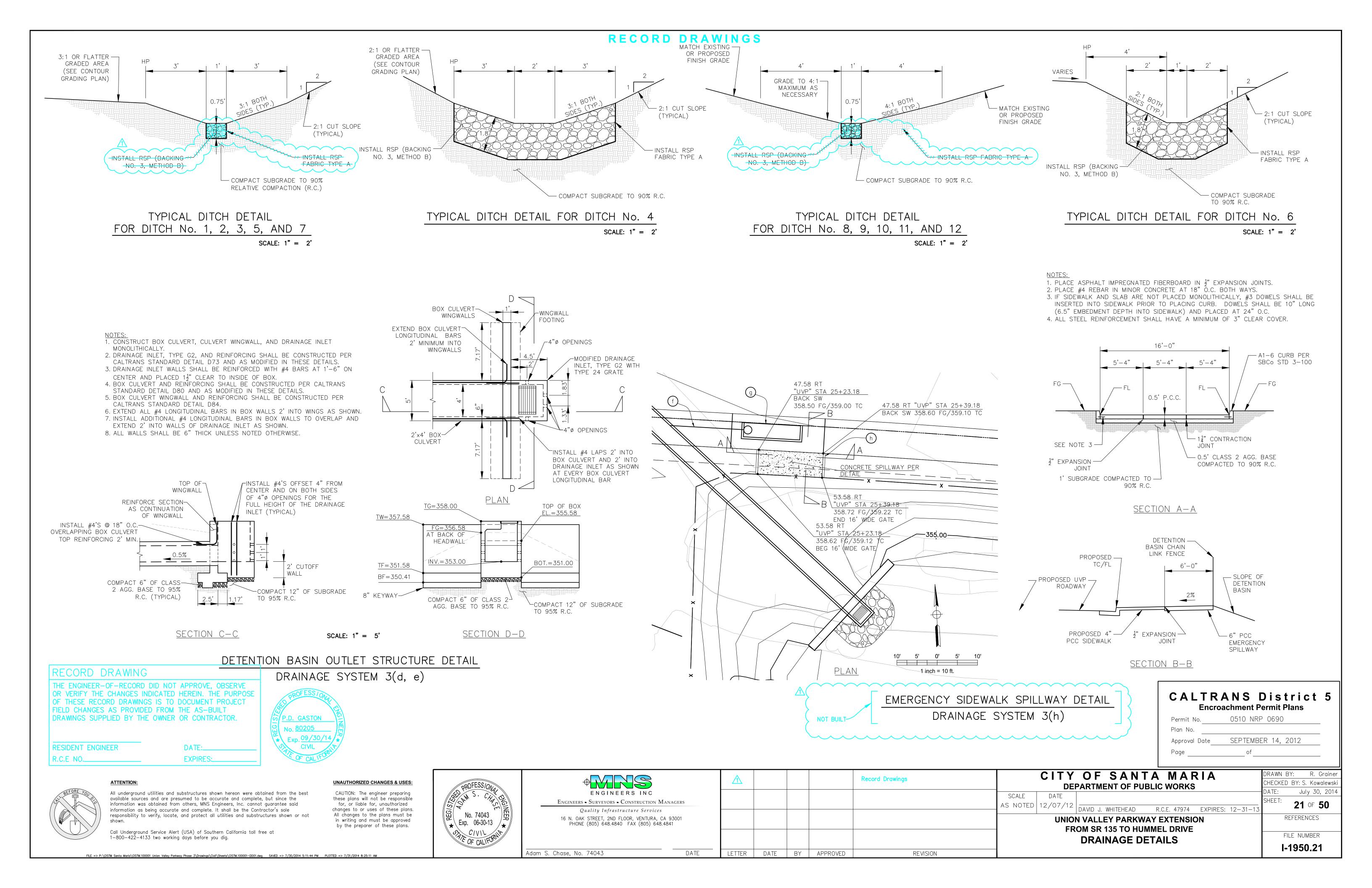
ENGINEERS INC
Engineers • Surveyors • Construction Managers
Quality Infrastructure Services
16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841
Adam S. Chase, No. 74043 DATE

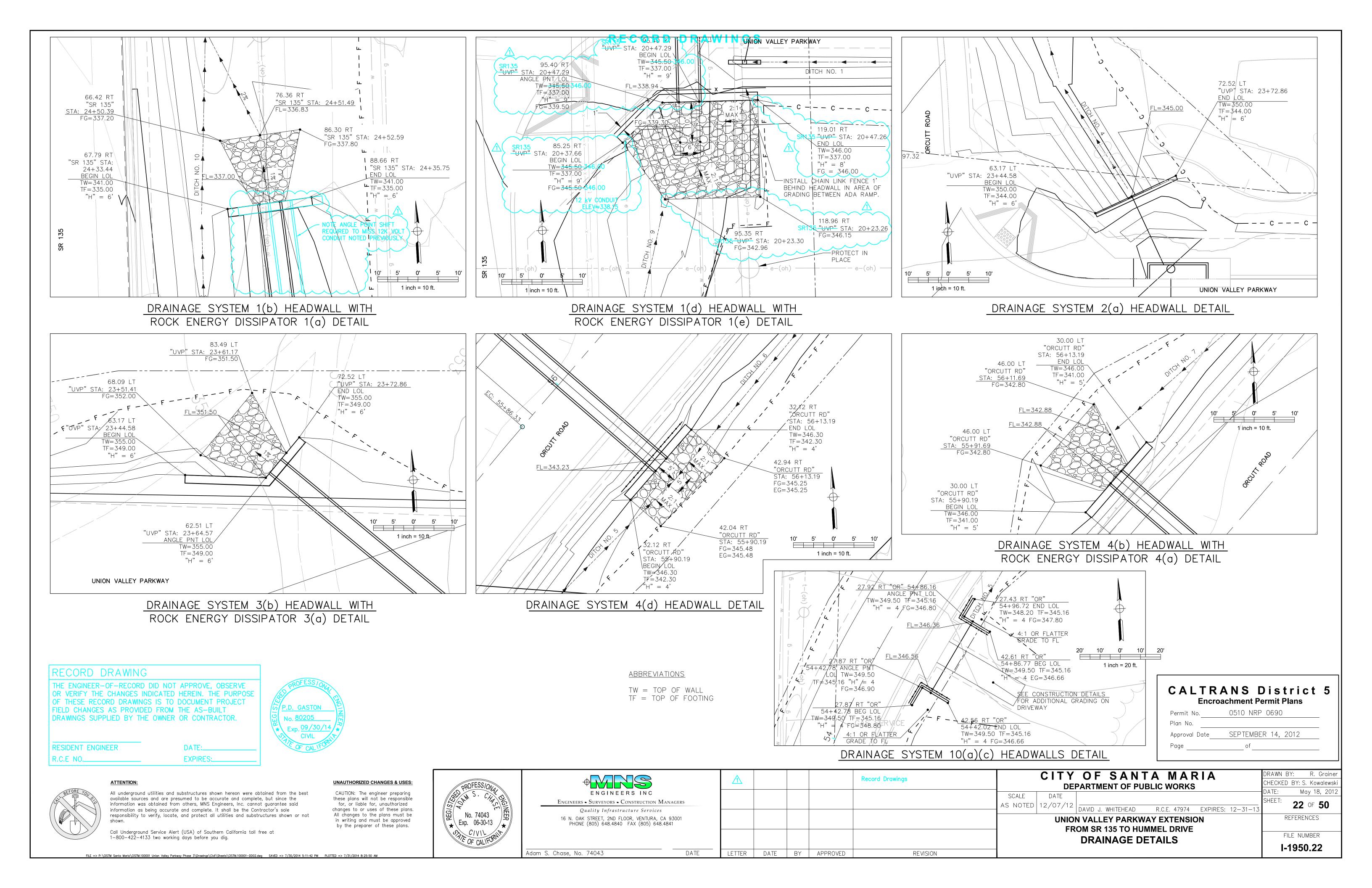
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LETTER	DATE	BY	APPROVED	REVISION	

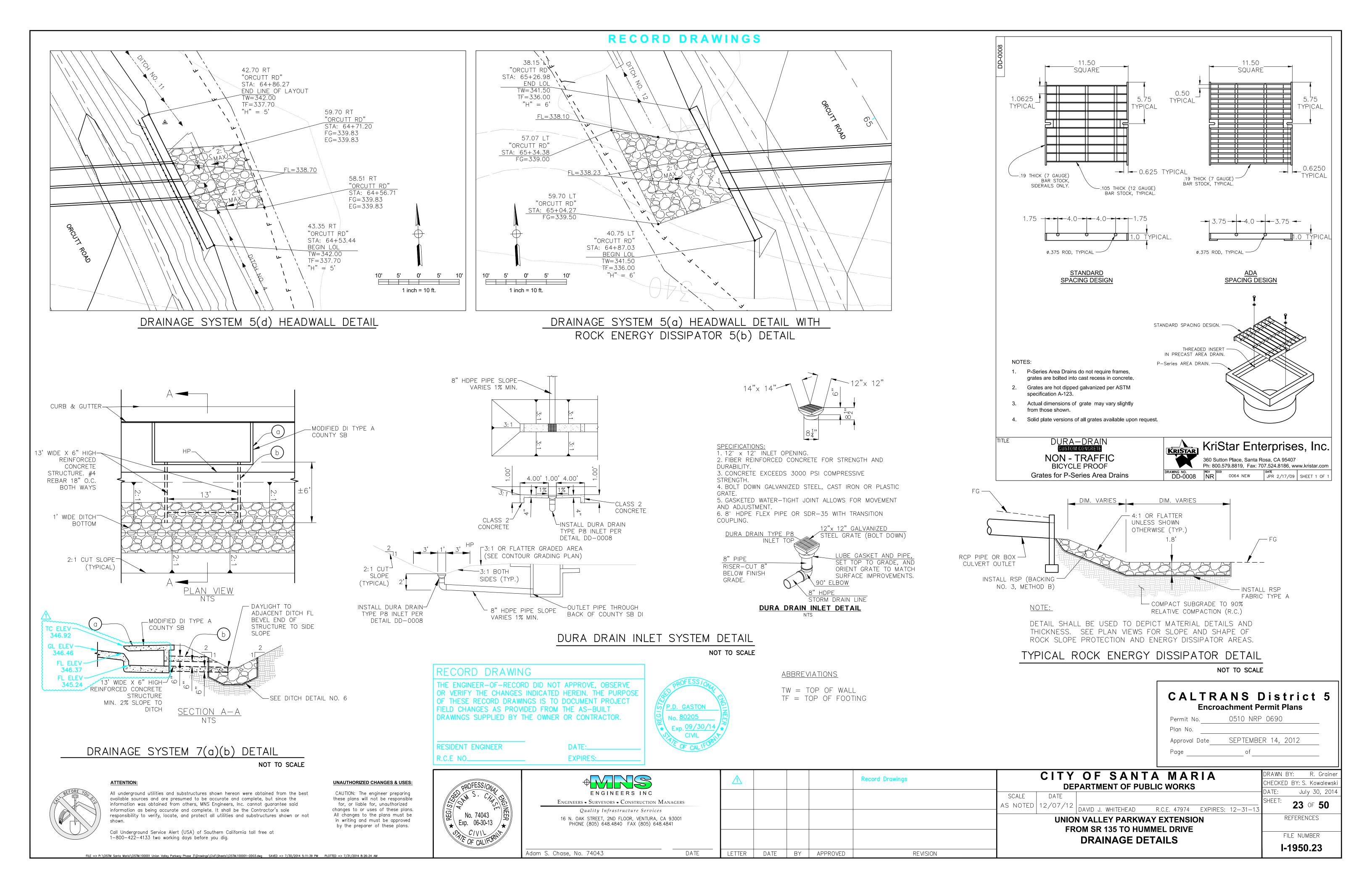
	CITY	OF SANT	AMAF	RIA		DRAWN E	Y: R. Grainer
		PARTMENT OF PUE				CHECKED	BY: S. Kowalewski
COALE	ı	ANTIVILIATION FOL	DEIC WORKS			DATE:	July 30, 2014
SCALE	DATE					SHEET:	
AS NOTED	12/07/12	DAVID J. WHITEHEAD	R.C.E. 47974	EXPIRES:	12-31-13		20 OF 50
	UNIO	N VALLEY PARKWA	AY EXTENSION	N		R	EFERENCES
	FR	OM SR 135 TO HUN	MEL DRIVE				
						FI	LE NUMBER
		DRAINAGE PRO	OLIFE2				4050.00

SYSTEMS 4-6, 10

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1. ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE STATED. 2. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM OWNERS RECORDS AND/OR UTILITY. 3. LOCATIONS OF UTILITY FACILITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

4. CONTRACTOR TO NOTE WORK DONE BY OTHERS AND WORK AROUND FIELD CONDITIONS. 5. UTILITY OWNERSHIP ON THIS PROJECT: CONTACT: TELEPHONE:

GAS- SOCAL GAS COMPANY	CLAUDIA TURNER	(805)681-8024
OIL— GREKA ENERGY	RAY MARROQUIN	(806)938-7709
ELECTRIC- PG&E	MIKE ORBAN	(805)346-2225
WATER- GOLDEN STATE WATER	HENRIC SZOPINSKI	(805)582-7356
TELECOM- VERIZON INC.	BRYAN DAVIS	(805)928-7642
CABLE- COMCAST	ALAN UPCHURCH	(805)345-3916
SEWER- LAGUNA SANITATION DISTRICT	MARTIN WILDER	(805)739-8750

<u>LEGEND</u>

EX. OVERHEAD TELEPHONE AND CABLE (VERIZON AND COMCAST) EX. OVERHEAD ELECTRICAL (PG&E) EX. UNDERGROUND TELEPHONE - ABANDONED (VERIZON) EX. UNDERGROUND ELECTRIC (PG&E) EX. UNDERGROUND GAS (SOUTHERN CALIFORNIA GAS CO.) EX. UNDERGROUND OIL (GREKA ENERGY) EX. UNDERGROUND WATER (GOLDEN STATE WATER CO.) EX. UNDERGROUND SEWER (LAGUNA SANITATION DISTRICT) OVERHEAD TELEPHONE AND CABLE (VERIZON AND COMCAST) ———— e–(oh) ———— OVERHEAD ELECTRICAL (PG&E) UNDERGROUND TELEPHONE (VERIZON) UNDERGROUND ELECTRIC (PG&E) UNDERGROUND GAS (SOUTHERN CALIFORNIA GAS CO.) UNDERGROUND WATER (GOLDEN STATE WATER CO.) UNDERGROUND SEWER (LAGUNA SANITATION DISTRICT)

ABBREVIATIONS

ACP ASBESTOS CEMENT PIPE BEG BELOW EXISTING GRADE CMP CORRUGATED METAL PIPE DIP DUCTILE IRON PIPE R/W RIGHT OF WAY

POSITIVE LOCATION INFORMATION

NO.	FACILITY	LOCATION	ELEVATION	METHOD
1	ELECTRIC	STA = 11+99.36, 83.62' RT	351.30	VACU-TRUCK
2	WATER	STA = 11+97.32, 100.96' RT	350.76	VACU-TRUCK
3	GAS	STA = 13+12.02, 106.24' RT	346.88	VACU-TRUCK
4	WATER	STA = 13+32.15, 102.44' RT	344.51	VACU-TRUCK
5	ELECTRIC	STA = 20+06.50, 85.75' RT	338.24	VACU-TRUCK
6	GAS	STA = 20+26.79, 107.14' RT	340.52	VACU-TRUCK
7	SEWER	STA = 27+48.00, 111.17' RT	327.71	VACU-TRUCK
8	GAS	STA = 27+55.32, 109.61' RT	329.43	VACU-TRUCK

- STATION AND OFFSET IS MEASURED FROM THE "SR 135" CONSTRUCTION LAYOUT ALIGNMENT.
- ELEVATION MEASURED TO TOP OF PIPE/FACILITY.

SEE TRAFFIC SIGNAL PLAN FOR LAYOUT DETAILS (TYP.) <u>SEE PLAN AND PROFILE</u> SHEETS FOR STORM DRAIN PG&E SERVICE SOUTHERN CA GAS AND SPARE CONDUIT 4" - MEDIUM PRESSURE CALTRANS R/W TO REMAIN **IMPROVEMENTS** TRAFFIC BOX
ADJUST TO FINISH PROTECT PG&E POLE PG&E SERVICE GRADE AND GUY DURING TO REMAIN PROTECT PG&E POLE CULVERT CONSTRUCTION VERIZON ABANDONEI SOUTHERN CA GAS TO VE RELOCATE GAS LINE PG&E VAUL CABLE (3"ø 36"-48" TO REMAIN DEPTH) STATE ROUTE 135 (SEE GAS PLANS) PG&E, VERIZON, AND COMCAST POLE TO REMAIN TO REMAIN GSWC PHASE 1 CONSTRUCTION /TO BE COMPLETED PRIOR TO OVERHEAD SERVICES CALTRANS R/W PROJECT CONSTRUCTION (SEE GSWC PLANS FOR FURTHER DETAIL) EXISTING ORCUTT ROAD COUNTY R/W OUNTY R/W VERIZON & COMCAST/ VERIZON & COMCAST COUNTY R/W SHARED POLE TO REMAIN SHARED POLE TO BE <u> /ERIZON & COMCAST</u> REMOVED BY OTHERS TO ABANDON SERVICE OVERHEAD LINES LIMIT OF COUNTY TO BE COMPLETED BY UTILITY EASEMENT TO REMAIN SEWER MANHOLE CONTRACTOR (SEE GSWC VERIZON & COMCAST/ GSWC PHASE 1 CONSTRUCTION PLANS FOR FURTHER DETAIL) SHARED POLE TO BE TO BE COMPLETED PRIOR TO UTILITY EASEMENT TO FINISH GRADE CONTRACTOR SHALL REMOVED AND REPLACED PROJECT CONSTRUCTION (SEE SHARED POLE TO REMAIN COORDINATE W/ PG&E WITH TALLER POLE BY GSWC PLANS FOR FURTHER DETAIL) SEWER LATERAL & √<u>pg&e pole and guys</u> TO PROTECT AND STABLIZE OTHERS (REFER TO VERIZON CLEANOUT TO BE TO BE RELOCATED BY POLE DURING CONSTRUCTION VERIZON & COMCAST RELOCATED AS RELOCATION PLANS) OTHERS 23' NORTH TO SOUTHERN CA GAS METER SHARED POLE TO BE SHOWN PER PLAN NO PROPOSED BACK OF WALK AND SERVICES TO BE RELOCATED AND LOWERED REMOVED BY OTHERS PRIVATE POLE & PG&E SERVICE GUY TO REMAIN TO BE REMOVED BY OTHERS SEE STREET LIGHTING PLAN BY OTHERS PG&E POLE AND GUY FOR LAYOUT DETAILS (TYP.) TO BE REMOVED BY OTHERS

MATCH LINE "UVP" 14+68

SEE SHEET 25

DATE

RECORD DRAWING

THE ENGINEER-OF-RECORD DID NOT APPROVE, OBSERV OR VERIFY THE CHANGES INDICATED HEREIN. THE PURPOS OF THESE RECORD DRAWINGS IS TO DOCUMENT PROJECT FIELD CHANGES AS PROVIDED FROM THE AS-BUILT DRAWINGS SUPPLIED BY THE OWNER OR CONTRACTOR.

40' 0' 40' 80' 1 inch = 80 ft.

ESIDENT ENGINEER R.C.E NO.

DATE:_

CALTRANS District 5 **Encroachment Permit Plans**

0510 NRP 0690 Plan No. SEPTEMBER 14, 2012

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY



ATTENTION:

All underground utilities and substructures shown hereon were obtained from the best available sources and are presumed to be accurate and complete, but since the information was obtained from others, MNS Engineers, Inc. cannot guarantee said information as being accurate and complete. It shall be the Contractor's sole responsibility to verify, locate, and protect all utilities and substructures shown or not

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UNAUTHORIZED CHANGES & USES:

TO BE REMOVED BY OTHERS

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ENGINEERS INC
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Quality Infrastructure Services
16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841

Adam S. Chase, No. 74043

				Nocora Brawings	
					AS
LETTER	DATE	BY	APPROVED	REVISION	

DEPARTMENT OF PUBLIC WORKS							
SCALE	DATE						
S NOTED	12/07/12				_		

CITY OF SANTA MARIA

DATE: October 14, 201 $\binom{12}{0}$ David J. Whitehead R.C.E. 47974 Expires: 12-31-1

UNION VALLEY PARKWAY EXTENSION

FROM SR 135 TO HUMMEL DRIVE

UTILITY PLAN

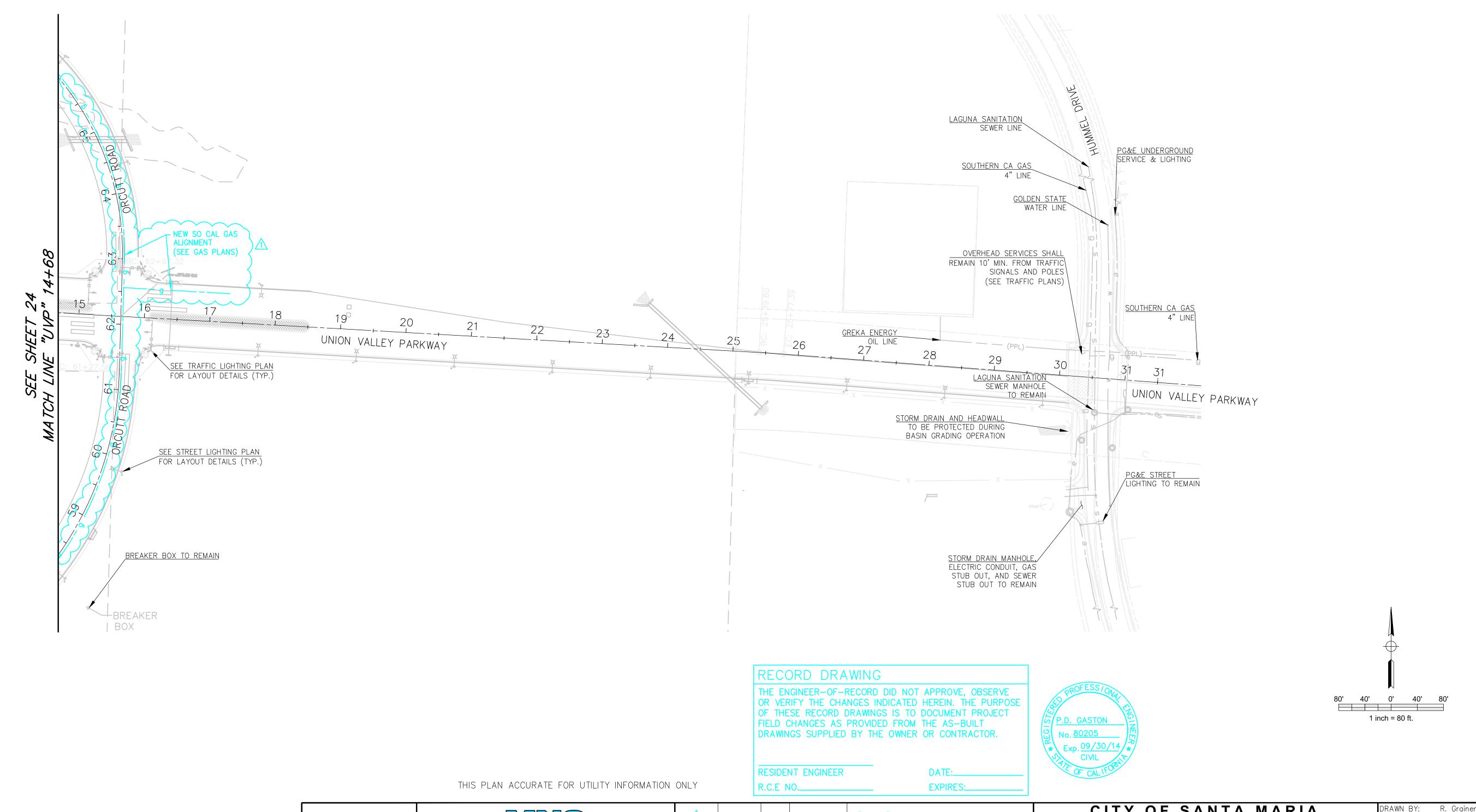
FILE NUMBER I-1950.24

CHECKED BY: S. Kowalewsk

REFERENCES

24 OF **50**

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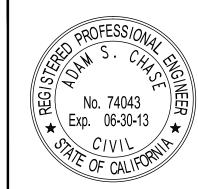
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	ENGINEERS INC
	Engineers • Surveyors • Construction Ma
•	Quality Infrastructure Services
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ENGINEERS INC							
Engineers • Surveyors • Construction Managers							
Quality Infrastructure Services							
16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841							
Adam S. Chase, No. 74043	DATE						

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LETTER	DATE	BY	APPROVED	REVISION	

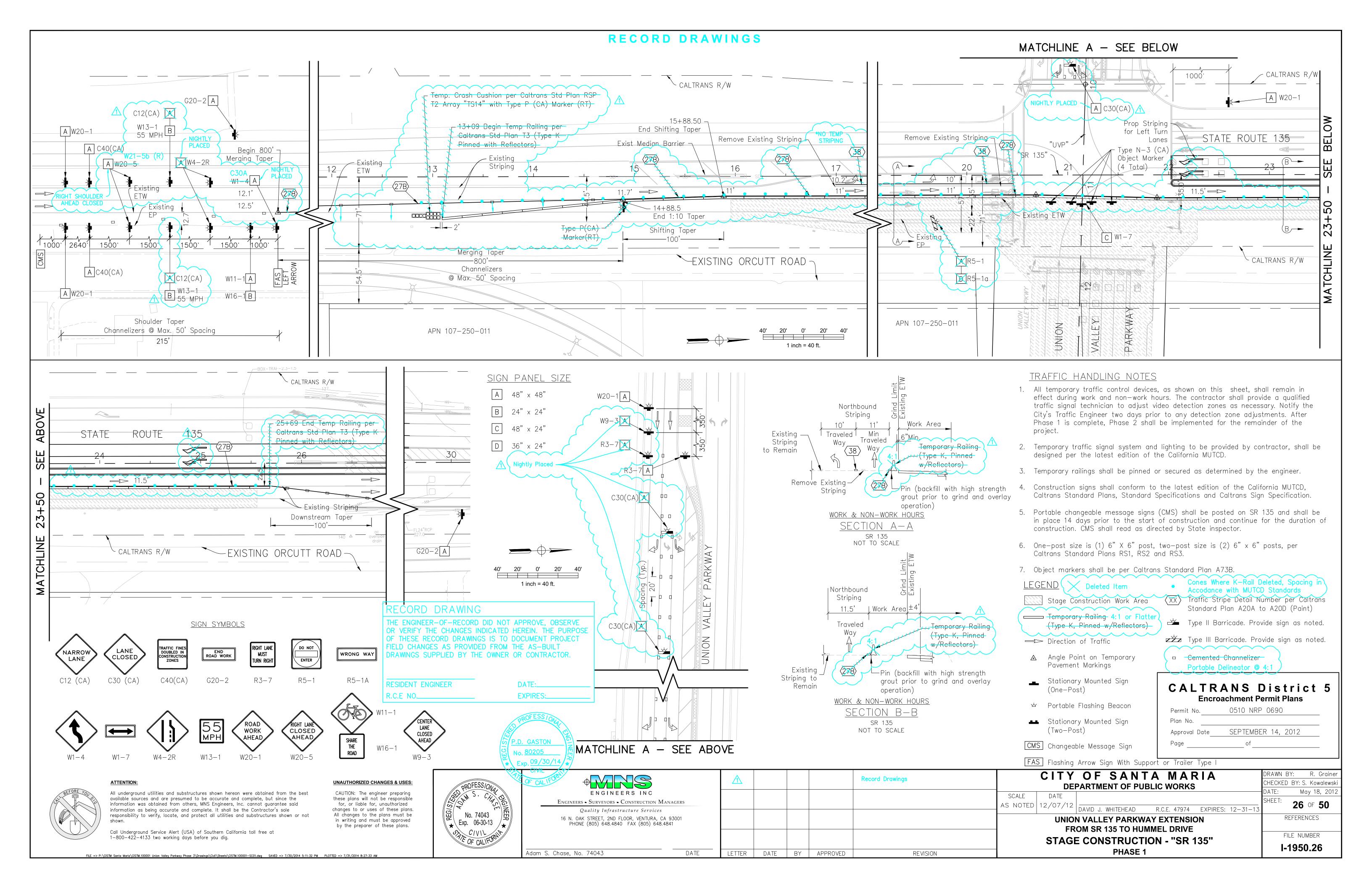
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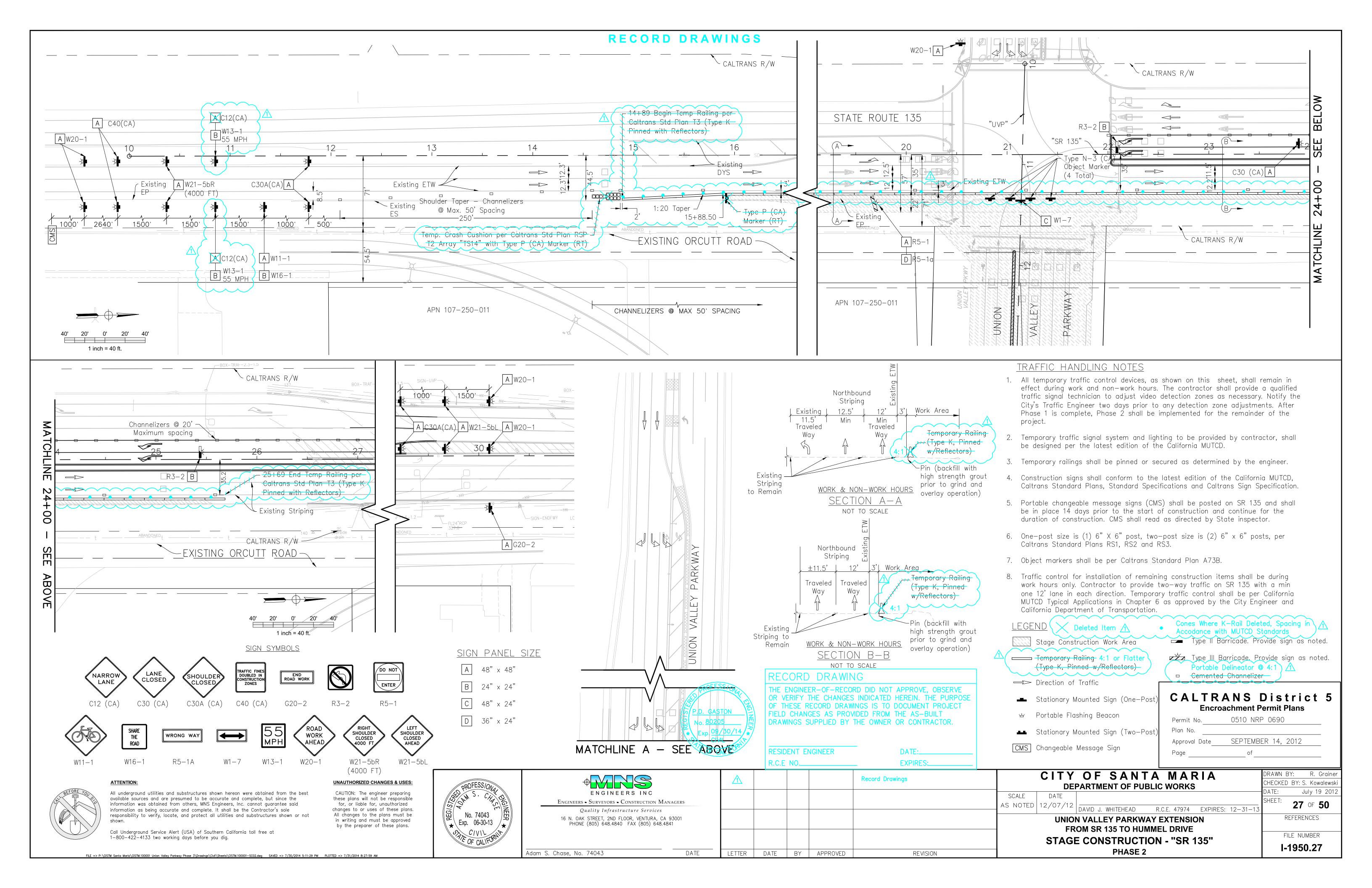
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UNION VALLEY PARKWAY EXTENSION REFERENCE						REFERENCES	
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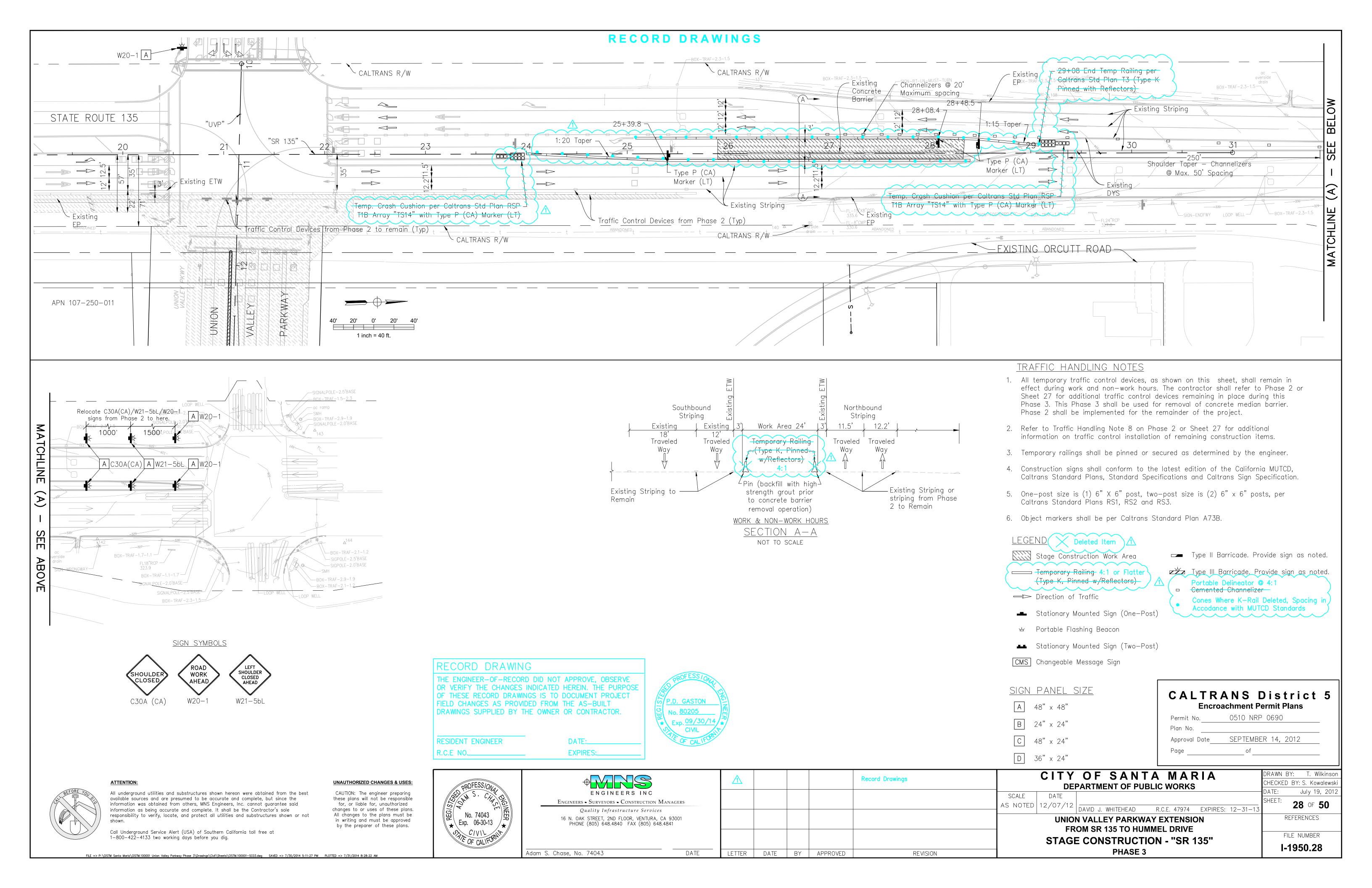
UTILITY PLAN	I-1950.25
	FILE NUMBER
UNION VALLEY PARKWAY EXTENSION FROM SR 135 TO HUMMEL DRIVE	REFERENCES
DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-1	<u> </u>
	7 I 20 -

CHECKED BY: S. Kowalewski

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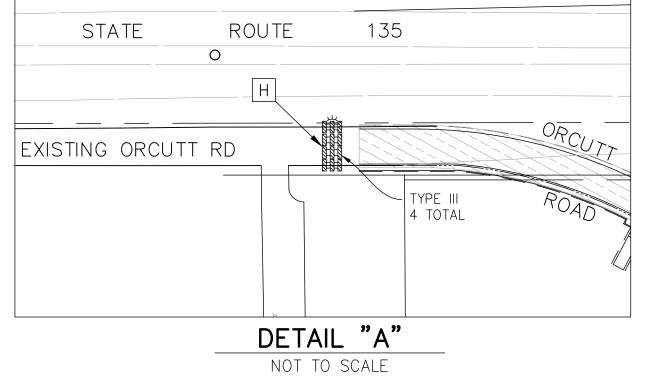


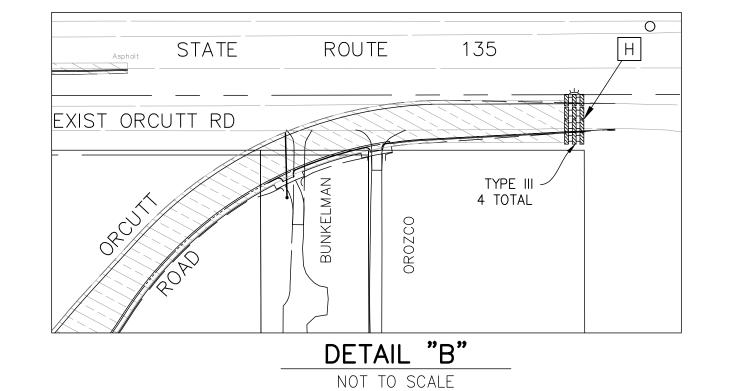


GENERAL NOTES

- 1. Contractor shall coordinate with the property owners of Bunkelman and Orozco to provide access at all times to driveways for deliveries and vehicular access to residences.
- 2. Detour signs, posts and mountings shall be dictated by the latest edition of AASHTO Specifications for structural supports for highway signs, luminaires and traffic symbols.
- 3. Detour signs shall be stationary mounted unless otherwise noted.
- 4. One post size is (1) 6" x 6" size, per Caltrans Standard Plans RS1 and
- 5. Two-post size is (2) 6" x 6" size posts, per Caltrans Standard Plans RS1
- 6. Signs shall conform to the latest California Manual of Uniform Traffic Control Devices (CA MUTCD), Caltrans Standard Plans and Caltrans Sign Specifications.
- 7. All traffic control devices shall remain during work and non-work periods. Contractor shall remove all traffic control devices after the project has been completed and the streets have been reopened.
- 8. All barricades are to be sandbagged in place or double—based for protection against wind.

RECORD DRAWINGS





DETAIL "A"

STATE

LEGEND Work Area

Detour Sign

Direction of Travel on Detour Route

Type III Barricade with Flashing Warning Lights

135

DETOUR ROUTE SIGNS

	D3
12"	ORCUTT RD
	76"
	36"

DFTOLIR	SIGN	IIST

	DETOUR SIGN LIST							
	CIONI	SIZE (OF SIGN		MOUNTING FOR EACH			
SIGN	SIGN CODE		HEIGHT	TEXT	NO. POSTS (6"X6")	BARRICADE TYPE TYPE TYPE	NO. ROADSIDE (EA)	REMARKS
						II III		D7 CION IC DI AOI/ 4 INOU "O"
A	D3	36"	12"	ORCUTT RD	1		3	D3 SIGN IS BLACK 4-INCH "C" LEGEND ON ORANGE FIELD
	M4-9	30"	24"	DETOUR W/ LEFT ARROW			3	
В	W20-2	36"	36"	DETOUR 500 FT	1		2	
С	SC3 (CA)	36"	12"	DETOUR W/ARROW	1		4	
D	M4-8a	24"	18"	END DETOUR	1		2	
E	D3	36"	12"	ORCUTT ROAD	2		1	D3 SIGN IS BLACK 4-INCH "C" LEGEND ON ORANGE FIELD
	M4-10L	48"	18"	DETOUR (INSIDE LEFT ARROW)			1	
F	D3	36"	12"	ORCUTT ROAD	2		1	D3 SIGN IS BLACK 4-INCH "C" LEGEND ON ORANGE FIELD
	M4-10R	48"	18"	DETOUR (INSIDE RIGHT ARROW)			1	
G	R11-2	48"	30"	ROAD CLOSED	2		1	
	M4-10L	48"	18"	DETOUR (INSIDE LEFT ARROW)	2		1	
Н	R11-2	48"	30"	ROAD CLOSED		1	2	
	W20-3	36"	36"	ROAD CLOSED AHEAD	1		2	
J	D3	36"	12"	ORCUTT RD	1		3	D3 SIGN IS BLACK 4-INCH "C" LEGEND ON ORANGE FIELD
	M4-9R	30"	24"	DETOUR W/ RIGHT ARROW			3	
K	R11-2	48"	30"	ROAD CLOSED	0		1	
	M4-10R	48"	18"	DETOUR (INSIDE RIGHT ARROW)	2		1	



CYNBALARIA * CT

MARTIN AVE LA VERNE AVE

1 inch = 300 ft.

- SEE SHEETS 26 THRU 28 FOR STAGE CONSTRUCTION OF SR 135 ROUTE

DETAIL "B" MICHELLE * SHELLIE SARA C

Encroachment Permit Plans 0510 NRP 0690 Approval Date SEPTEMBER 14, 2012

CALTRANS District 5

RECORD DRAWING NO CHANGES.

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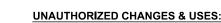
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ENGINEERS INC

Adam S. Chase, No. 74043

Engineers • Surveyors • Construction Managers Quality Infrastructure Services 16 N. OAK STREET, 2ND FLOOR, VENTURA, CA 93001 PHONE (805) 648.4840 FAX (805) 648.4841

FTTFR	DΔTF	RY	APPROVED	REVISION

CITY OF SANTA MARIA **DEPARTMENT OF PUBLIC WORKS**

AS NOTED 12/07/12 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-1 UNION VALLEY PARKWAY EXTENSION

FROM SR 135 TO HUMMEL DRIVE **DETOUR PLAN - ORCUTT ROAD**

REFERENCES FILE NUMBER I-1950.29

CHECKED BY: S. Kowalewsk

May 18, 2012

29 OF **50**

- ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
- ALL CONSTRUCTION MATERIALS FOR ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE EXACT LOCATIONS OF ALL NEW ROADSIDE SIGNS AND PAVEMENT DELINEATION AND MARKINGS SHALL BE MARKED/CAT-TRACKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS COUNTY OF SANTA BARBARA

-THERMOPLASTIC

-PAINT CITY OF SANTA MARIA

-THERMOPLASTIC (CROSSWALKS, LIMIT LINES, AND PAVEMENT MARKINGS)

-PAINT (PAVEMENT DELINEATION)

RECORD DRAWINGS

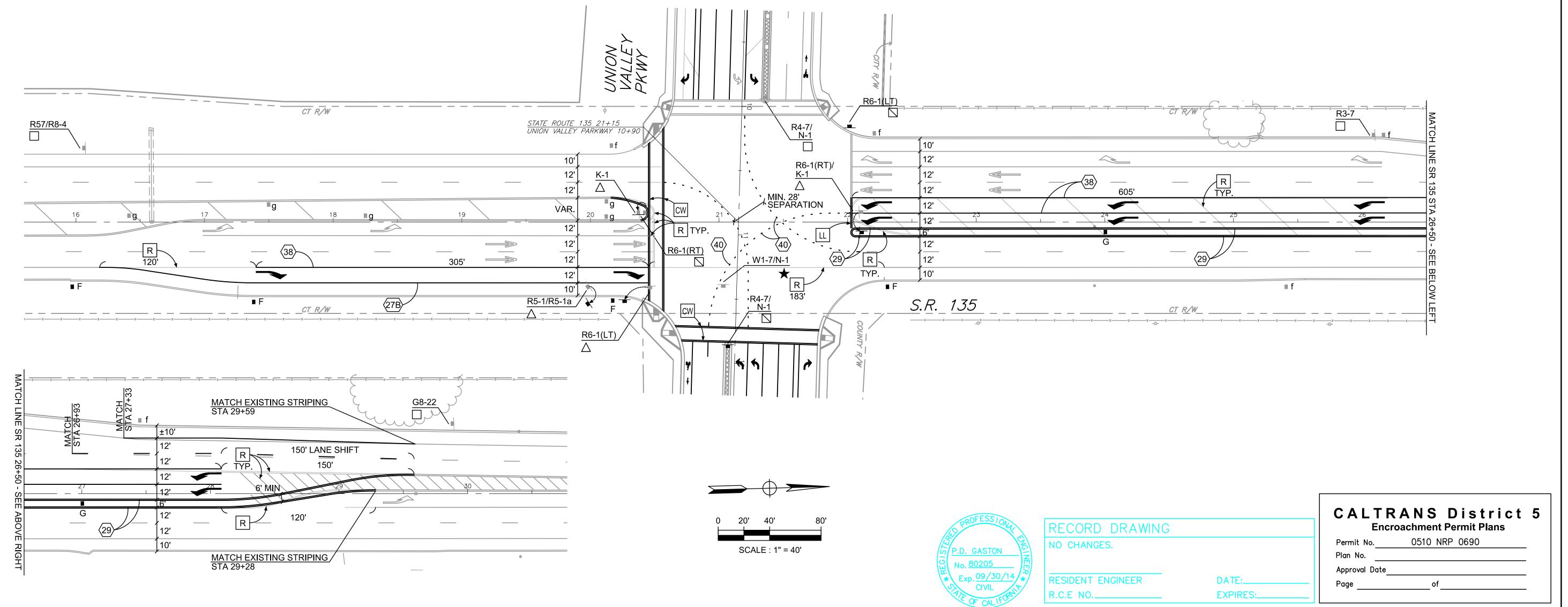
ROADSIDE SIGN LEGEND

- ☐ EXISTING SIGN TO REMAIN.
- REMOVE EXISTING SIGN.
- INDICATES SIGN.
- INDICATES DELINEATOR.
- F INSTALL NEW TYPE F DELINEATOR.
- G INSTALL NEW TYPE G DELINEATOR.
- f EXISTING TYPE F DELINEATOR.
- 9 EXISTING TYPE G DELINEATOR.

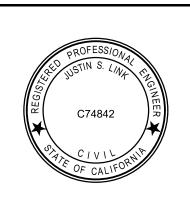
PAVEMENT DELINEATION LEGEND

- INSTALL TRAFFIC STRIPE PER CALTRANS STANDARD PLAN NOS. A20A, A20B, A20C, AND A20D. NUMBER IN \(\sum \) INDICATES DETAIL NO. ON STANDARD PLAN.
- INSTALL 12" WHITE CROSSWALK LINES, 10' BETWEEN LINES AS
- INSTALL 12" WHITE LIMIT LINE AS SHOWN.
- INSTALL TYPE III(R) WHITE ARROW CENTERED IN LANE AS SHOWN.
- INSTALL TYPE III(L) WHITE ARROW CENTERED IN LANE AS SHOWN.
- INSTALL TYPE IV(R) WHITE ARROW CENTERED IN LANE AS SHOWN.
- INSTALL TYPE IV(L) WHITE ARROW CENTERED IN LANE AS SHOWN.

REMOVE EXISTING PAVEMENT MARKING AS SHOWN. ATTENTION IS DIRECTED TO ROADSIDE SIGN & PAVEMENT DELINEATION NOTE



PD-1 BASE BID



ASSOCIATED ENGINEERS ASSOCIATED TRANSPORTATION 100 N. Hope Avenue, Suite 4 Santa Barbara, CA 93110-2621 (805) 687-4418

JUSTIN S. LINK, RCE 74842

LETTER DATE BY APPROVED REVISION

CITY OF SANTA MARIA **DEPARTMENT OF PUBLIC WORKS** SCALE DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13 UNION VALLEY PARKWAY EXTENSION PAVEMENT DELINEATION AND ROADSIDE SIGNS STATE ROUTE 135 FROM STA 15+60 TO STA 30+75

DRAWN BY: J.S.L. CHECKED BY: R.L.P. 30 of 50 REFERENCES FILE NUMBER I-1950.30

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.

ROADSIDE SIGN & PAVEMENT DELINEATION NOTES

- 1. ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
- 3. ALL CONSTRUCTION MATERIALS FOR ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- 4. THE EXACT LOCATIONS OF ALL NEW ROADSIDE SIGNS AND PAVEMENT DELINEATION AND MARKINGS SHALL BE MARKED/CAT-TRACKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 5. LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- 6. PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS

-THERMOPLASTIC

TO DOCUMENT PROJECT FIELD CHANGES AS

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.

BY THE OWNER OR CONTRACTOR.

RESIDENT ENGINEER

PROVIDED FROM THE AS-BUILT DRAWINGS SUPPLIED

EXPIRES:

COUNTY OF SANTA BARBARA CITY OF SANTA MARIA

-THERMOPLASTIC (CROSSWALKS, LIMIT LINES, AND PAVEMENT MARKINGS)

-PAINT (PAVEMENT DELINEATION)

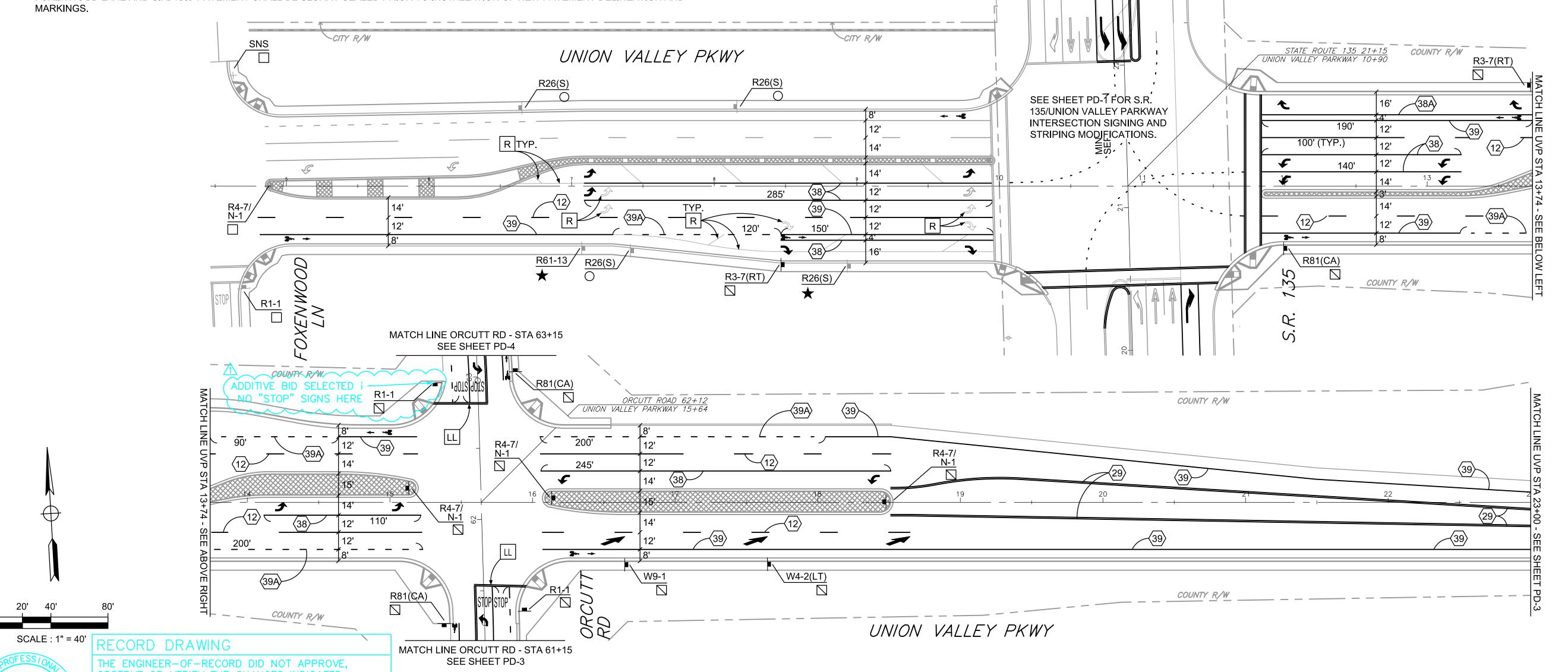
7. REMOVE ALL STRIPING THAT CONFLICTS WITH THE PROPOSED STRIPING ON EASTBOUND UNION VALLEY PARKWAY BETWEEN FOXENWOOD LANE AND S.R. 135. PAVEMENT SHALL BE SLURRY SEALED PRIOR TO INSTALLATION OF NEW PAVEMENT DELINEATION AND

ROADSIDE SIGN LEGEND

- ☐ EXISTING SIGN TO REMAIN.
- O EXISTING SIGN ON LIGHT POLE TO REMAIN.
- ★ REMOVE EXISTING SIGN.
- NSTALL NEW SIGN.
- INDICATES SIGN.

PAVEMENT DELINEATION LEGEND

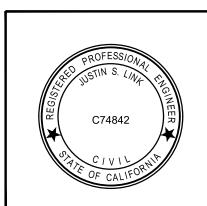
- INSTALL TRAFFIC STRIPE PER CALTRANS STANDARD PLAN NOS. A20A, A20B, A20C, AND A20D. NUMBER IN INDICATES DETAIL NO. ON STANDARD PLAN.
- LL INSTALL 12" WHITE LIMIT LINES, 10' BETWEEN LINES AS SHOWN.
- DW INSTALL 8" DIAGONAL WHITE STRIPES 75' ON CENTER AS SHOWN.
- INSTALL TYPE IV(R) WHITE ARROW CENTERED IN LANE AS SHOWN
- INSTALL TYPE IV(L) WHITE ARROW CENTERED IN LANE AS SHOWN.
- INSTALL TYPE VI WHITE ARROW CENTERED IN LANE AS SHOWN.
- INSTALL WHITE BIKE LANE SYMBOL AND ARROW AS SHOWN.
- REMOVE EXISTING PAVEMENT MARKING AS SHOWN. ATTENTION IS DIRECTED TO ROADSIDE SIGN & PAVEMENT DELINEATION NOTES 2 AND 7.



BASE BID

PD-2

31 of 50



ASSOCIATED TRANSPORTATION
ENGINEERS

100 N. Hope Avenue, Suite 4
Santa Barbara, CA 93110-2621
(805) 687-4418

JUSTIN S. LINK, RCE 74842

Record Drawings

REVISION

LETTER DATE BY APPROVED

DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12–31–13

UNION VALLEY PARKWAY EXTENSION
PAVEMENT DELINEATION ROADSIDE SIGNS
UNION VALLEY PARKWAY
FROM FOXENWOOD LANE TO STA 23+00

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

FILE NUMBER
I-1950.31

DRAWN BY: J.S.L.

CHECKED BY: R.L.P.

ROADSIDE SIGN & PAVEMENT DELINEATION NOTES

- ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
- ALL CONSTRUCTION MATERIALS FOR ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE EXACT LOCATIONS OF ALL NEW ROADSIDE SIGNS AND PAVEMENT DELINEATION AND MARKINGS SHALL BE MARKED/CAT-TRACKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS COUNTY OF SANTA BARBARA -PAINT CITY OF SANTA MARIA

-THERMOPLASTIC

-THERMOPLASTIC (CROSSWALKS, LIMIT LINES, AND PAVEMENT MARKINGS)

-PAINT (PAVEMENT DELINEATION)

RESIDENT ENGINEER

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.

ROADSIDE SIGN LEGEND

EXISTING SIGN TO REMAIN.

INDICATES SIGN.

INSTALL 36" SURFACE-ADHERED POST-TUBE DELINEATOR.

PAVEMENT DELINEATION LEGEND

INSTALL TRAFFIC STRIPE PER CALTRANS STANDARD PLAN NOS. A20A, A20B, A20C, AND A20D. NUMBER IN INDICATES DETAIL NO. ON STANDARD PLAN.

✓ INSTALL TYPE IV(L) WHITE ARROW CENTERED IN LANE AS SHOWN

32 of 50

REFERENCES

FILE NUMBER

I-1950.32

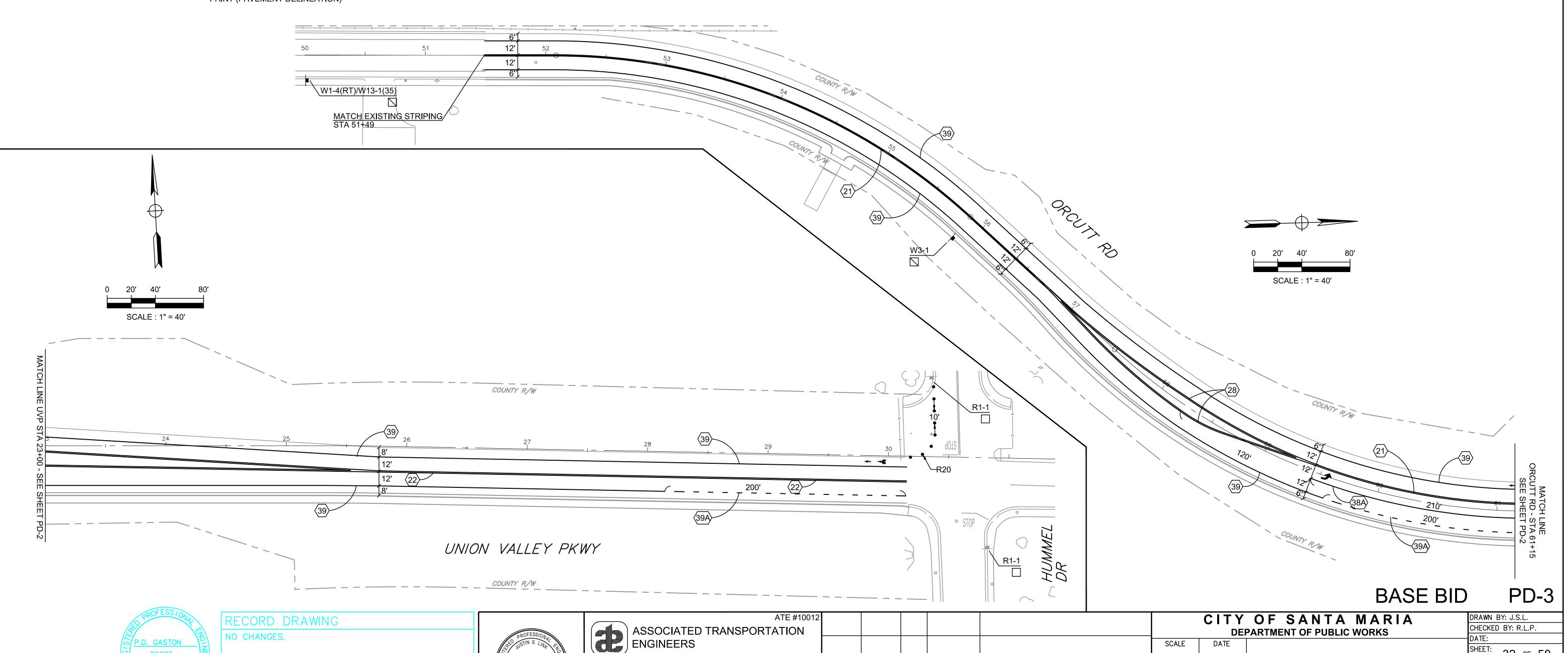
DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13

UNION VALLEY PARKWAY EXTENSION

PAVEMENT DELINEATION AND ROADSIDE SIGNS

ORCUTT ROAD FROM STA 51+49 TO UVP

UNION VALLEY PKWY FROM STA 23+00 TO HUMMEL DRIVE



LETTER

DATE BY APPROVED

REVISION

100 N. Hope Avenue, Suite 4

(805) 687-4418

JUSTIN S. LINK, RCE 74842

Santa Barbara, CA 93110-2621

- ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
- ALL CONSTRUCTION MATERIALS FOR ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE EXACT LOCATIONS OF ALL NEW ROADSIDE SIGNS AND PAVEMENT DELINEATION AND MARKINGS SHALL BE MARKED/CAT-TRACKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS

-THERMOPLASTIC

COUNTY OF SANTA BARBARA -PAINT

-THERMOPLASTIC (CROSSWALKS, LIMIT LINES, AND PAVEMENT MARKINGS) CITY OF SANTA MARIA

-PAINT (PAVEMENT DELINEATION)

RECORD DRAWINGS

ROADSIDE SIGN LEGEND

EXISTING SIGN TO REMAIN.

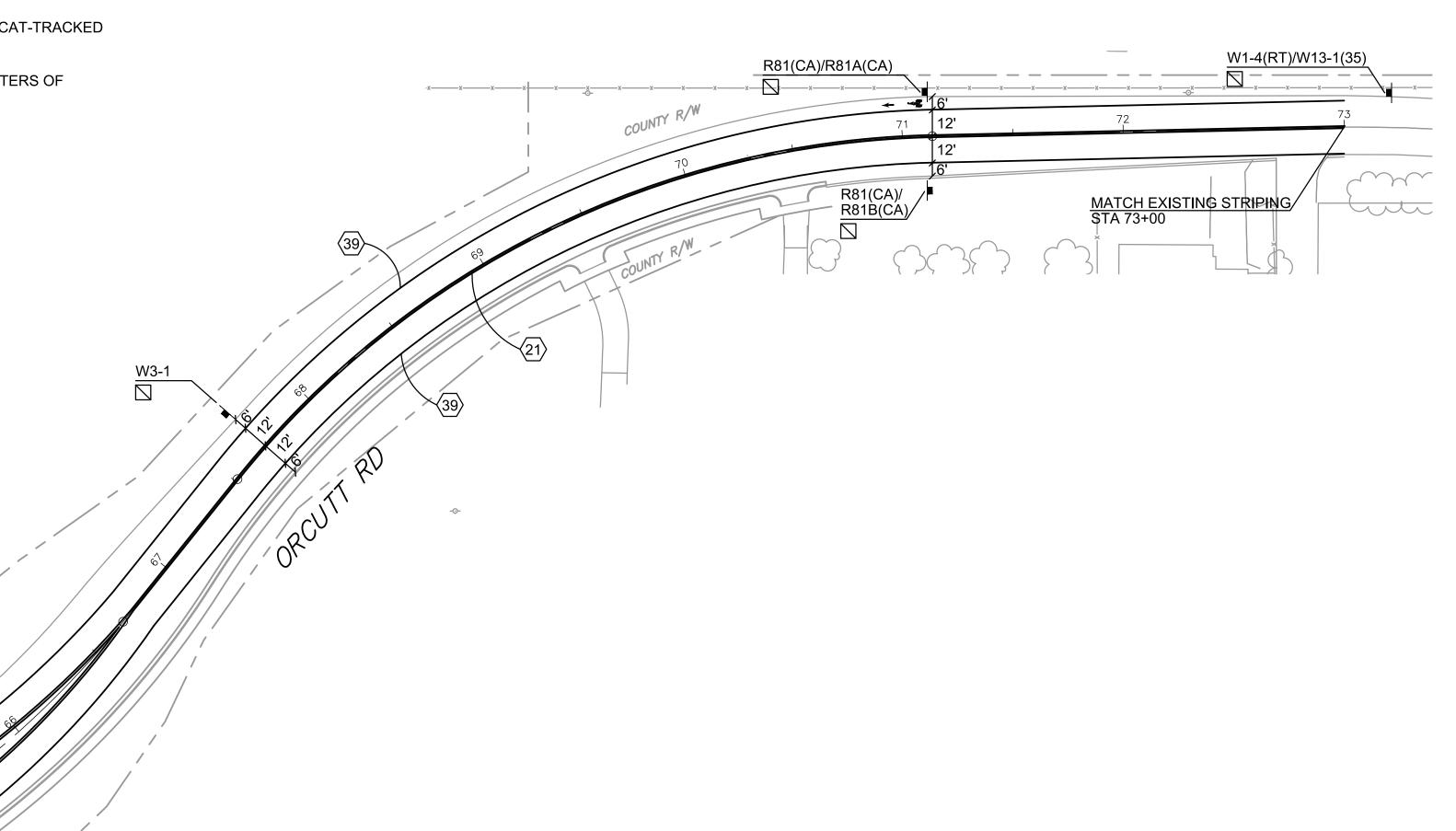
■ INDICATES SIGN.

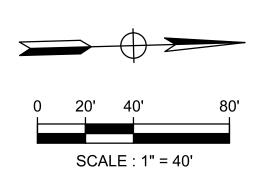
PAVEMENT DELINEATION LEGEND

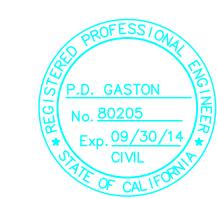
INSTALL TRAFFIC STRIPE PER CALTRANS STANDARD PLAN NOS. A20A, A20B, A20C, AND A20D. NUMBER IN ◯ INDICATES DETAIL NO. ON STANDARD PLAN.

INSTALL TYPE IV(L) WHITE ARROW CENTERED IN LANE AS SHOWN.

INSTALL WHITE BIKE LANE SYMBOL AND ARROW AS SHOWN.







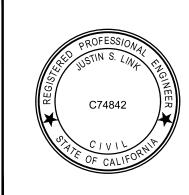
RECORD DRAWING NO CHANGES.

RESIDENT ENGINEER

EXPIRES:_

BASE BID

PD-4





100 N Hope Avenue Suite 4

Santa Barbara, CA 93110-2621 (805) 687-4418	
JUSTIN S. LINK, RCE 74842	DATE

12							CITY
						SCALE	DATE
						D.A.)	UNION
						PA'	VEMENT
-							2014 1111
	LETTER	DATE	BY	APPROVED	REVISION		ROM UNI

	0171		<u> </u>				V. 1C1	_
	CITY OF SANTA MARIA						DRAWN BY: J.S.L.	
	DEPARTMENT OF PUBLIC WORKS							
COALE								
SCALE	DATE					SHEET:	33 of 50	
		DAVID J. WHITEHEAD	R.C.E. 47974	EXPIRES:	12-31-13		33 o 30	
	UNION	VALLEY PARKWA	AY EXTENS	SION		RI	EFERENCES	
$D\Delta V$	VEMENT	DELINEATION AN	D BUADSII	DE SIGN	19			
PAVEMENT DELINEATION AND ROADSIDE SIGNS ORCUTT ROAD FROM UNION VALLEY PARKWAY TO STA 73+00							LE NUMBER	
							I-1950.33	

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.

- 1. ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- 2. THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
- 3. ALL CONSTRUCTION MATERIALS FOR ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- 4. THE EXACT LOCATIONS OF ALL NEW ROADSIDE SIGNS AND PAVEMENT DELINEATION AND MARKINGS SHALL BE MARKED/CAT-TRACKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 5. LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- 6. PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS COUNTY OF SANTA BARBARA

SCALE : 1" = 40'

P.D. GASTON

-THERMOPLASTIC

CITY OF SANTA MARIA

-THERMOPLASTIC (CROSSWALKS, LIMIT LINES, AND PAVEMENT MARKINGS)

-PAINT (PAVEMENT DELINEATION)

RECORD DRAWING

DATE:_

RESIDENT ENGINEER

NO CHANGES.

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.

RECORD DRAWINGS

ROADSIDE SIGN LEGEND

☐ EXISTING SIGN TO REMAIN.

O EXISTING SIGN ON LIGHT POLE TO REMAIN.

* REMOVE EXISTING SIGN.

INDICATES SIGN.

PAVEMENT DELINEATION LEGEND

CW INSTALL 12" WHITE CROSSWALK LINES, 10' BETWEEN LINES AS SHOWN.

CITY OF SANTA MARIA

SCALE

REVISION

DEPARTMENT OF PUBLIC WORKS

UNION VALLEY PARKWAY EXTENSION

PAVEMENT DELINEATION ROADSIDE SIGNS

UNION VALLEY PARKWAY

FROM FOXENWOOD LANE TO STA 23+00

DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13

REMOVE EXISTING PAVEMENT MARKING AS SHOWN. ATTENTION IS DIRECTED TO ROADSIDE SIGN & PAVEMENT DELINEATION

PD-5

34 of 50

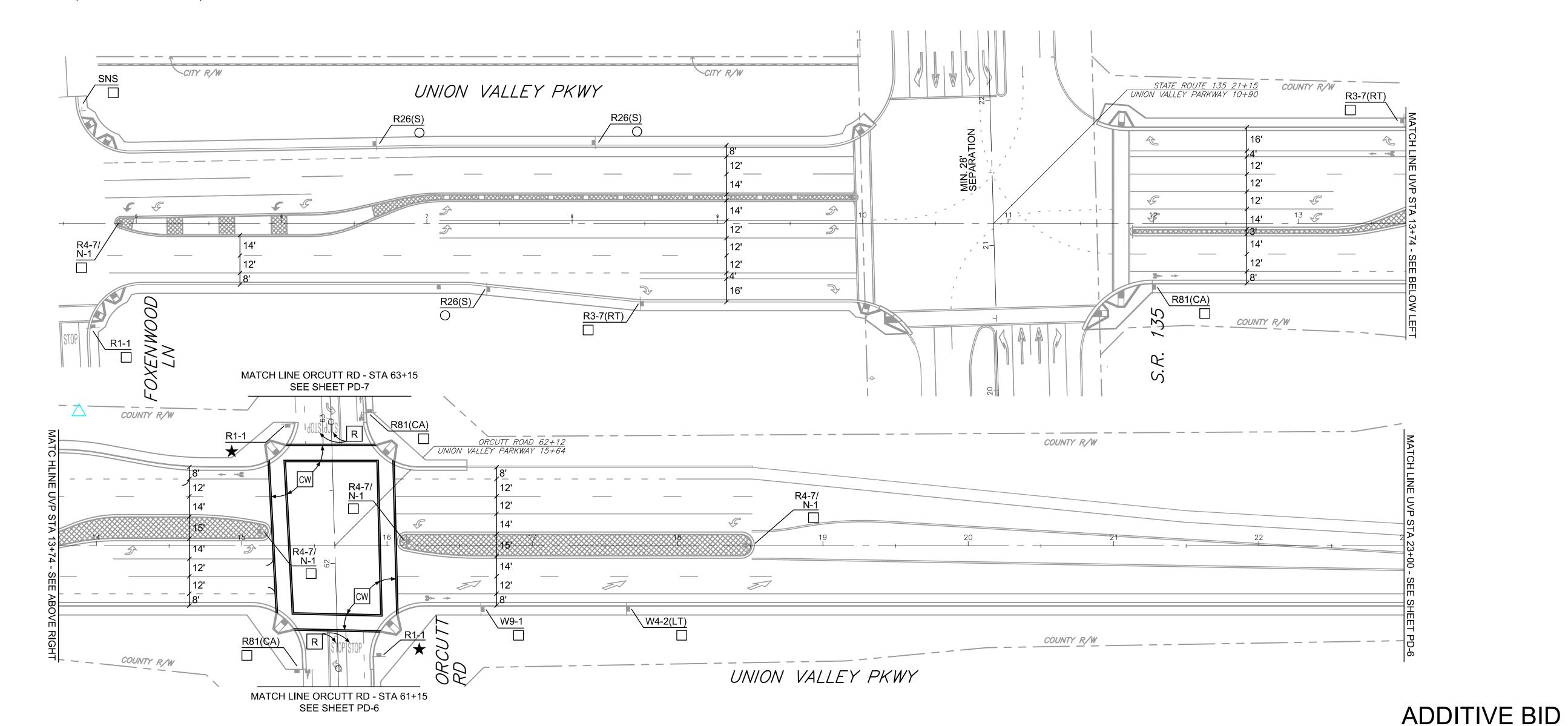
REFERENCES

FILE NUMBER

I-1950.34

DRAWN BY: J.S.L.

CHECKED BY: R.L.P.



ATE #10012

LETTER DATE BY APPROVED

ASSOCIATED TRANSPORTATION

ENGINEERS

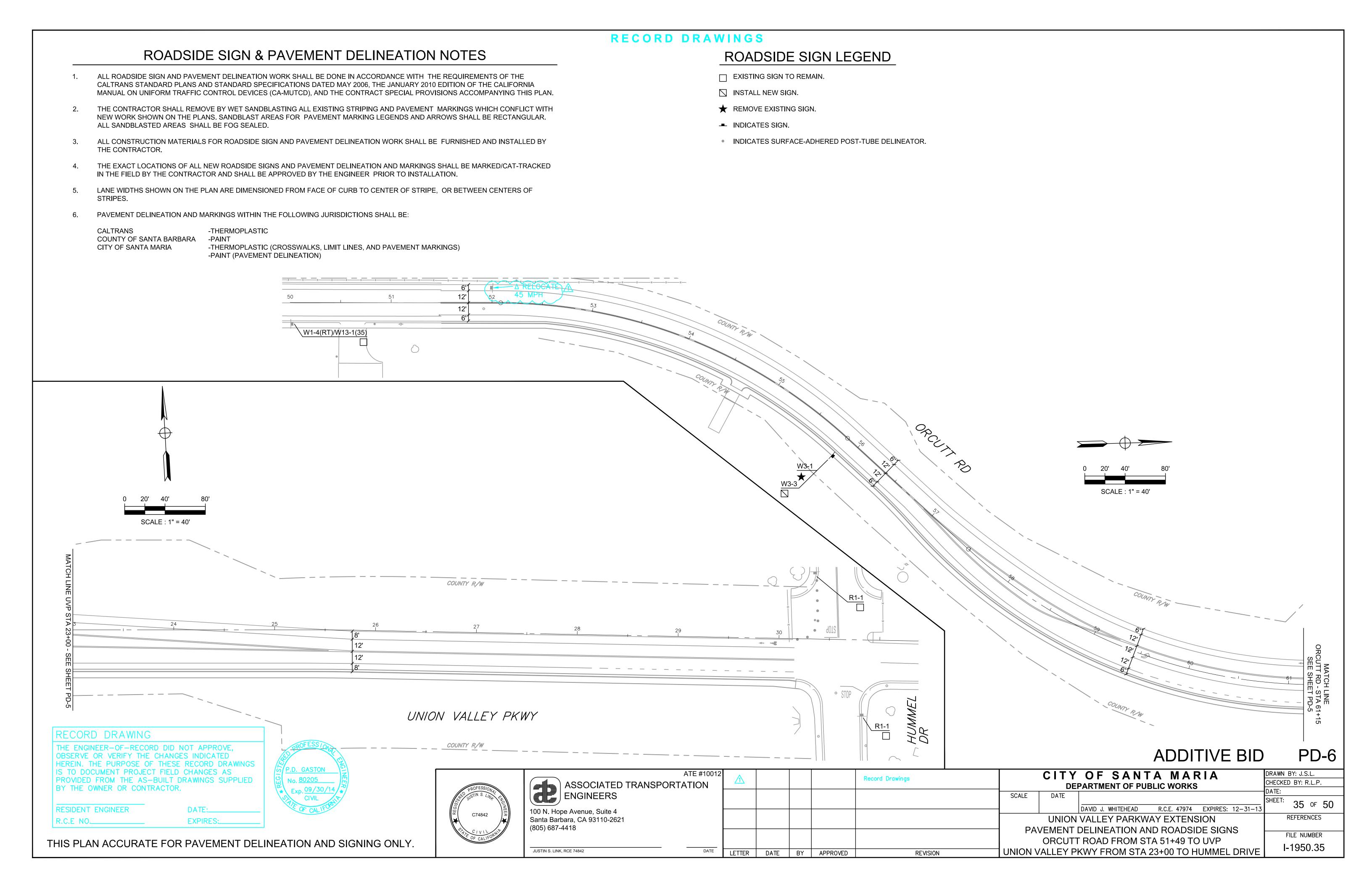
100 N. Hope Avenue, Suite 4

(805) 687-4418

JUSTIN S. LINK, RCE 74842

Santa Barbara, CA 93110-2621

C74842



- ALL ROADSIDE SIGN AND PAVEMENT DELINEATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED MAY 2006, THE JANUARY 2010 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE CONTRACT SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- THE CONTRACTOR SHALL REMOVE BY WET SANDBLASTING ALL EXISTING STRIPING AND PAVEMENT MARKINGS WHICH CONFLICT WITH NEW WORK SHOWN ON THE PLANS. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED.
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- LANE WIDTHS SHOWN ON THE PLAN ARE DIMENSIONED FROM FACE OF CURB TO CENTER OF STRIPE, OR BETWEEN CENTERS OF STRIPES.
- PAVEMENT DELINEATION AND MARKINGS WITHIN THE FOLLOWING JURISDICTIONS SHALL BE:

CALTRANS COUNTY OF SANTA BARBARA

CITY OF SANTA MARIA

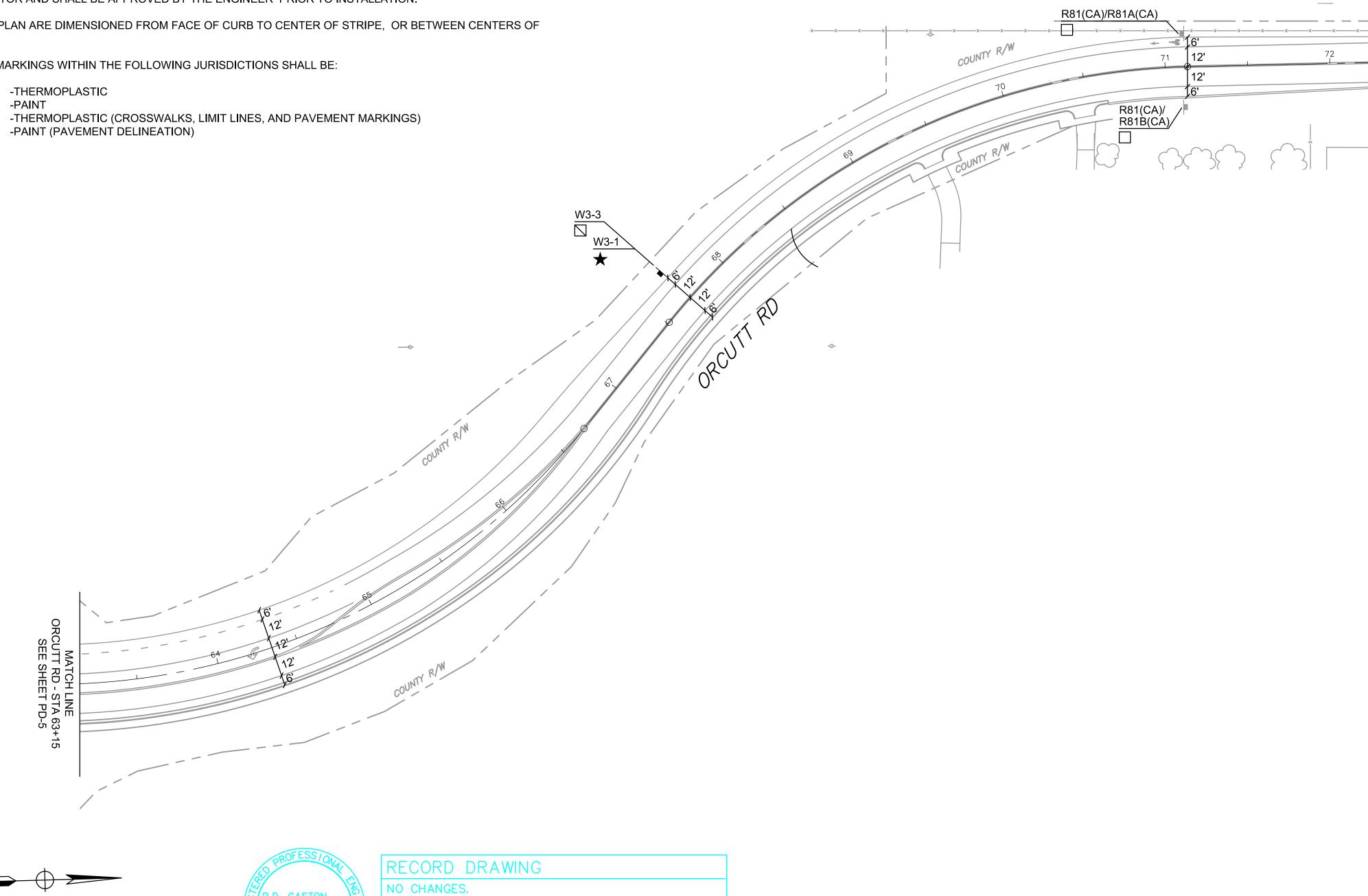
RECORD DRAWINGS

ROADSIDE SIGN LEGEND

EXISTING SIGN TO REMAIN.

REMOVE EXISTING SIGN.

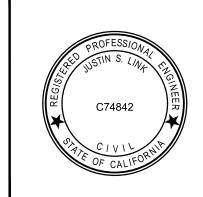
INDICATES SIGN.



ADDITIVE BID

Tutt

PD-7



RESIDENT ENGINEER

ATE #1
ASSOCIATED TRANSPORTATION
ENGINEERS
100 N. Hope Avenue, Suite 4
Santa Barbara, CA 93110-2621
(805) 687-4418

DATE

LETTER

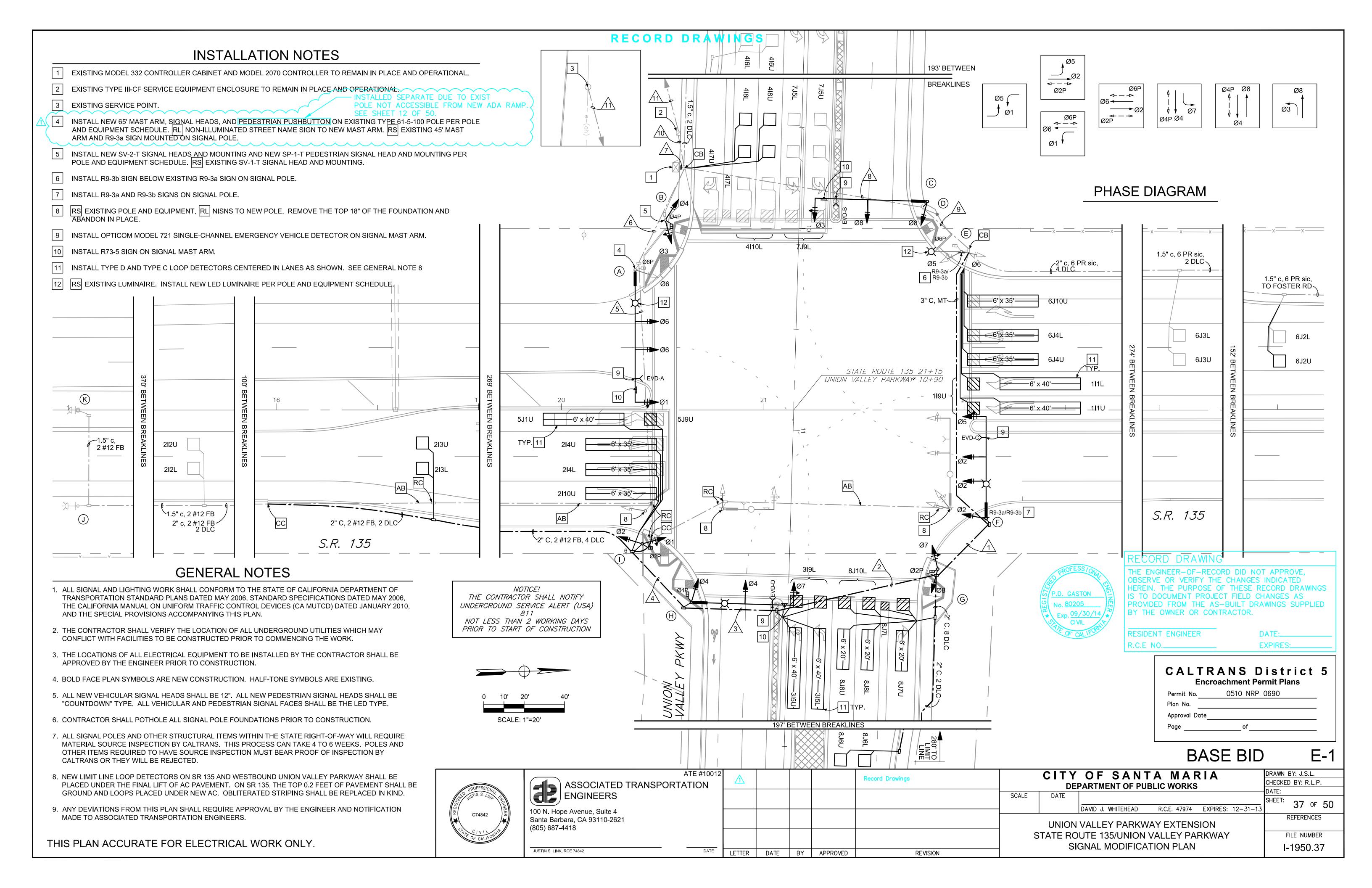
DATE:__

JUSTIN S. LINK, RCE 74842

EXPIRES:__

					CITY	OF SANT	AMAF	RIA	DRAWN BY: J.S.L.
					DEPARTMENT OF PUBLIC WORKS				
						ARTIMENT OF TOE	LIO WOINING		DATE:
				SCALE	DATE				CUEET.
									1 3h ()+ 5()
						DAVID J. WHITEHEAD	R.C.E. 47974	EXPIRES: 12-31-13	00 1 00
					UNION	VALLEY PARKWA	AY FXTFNS	SION	REFERENCES
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				PA	VEMENT	DELINEATION AN	ID ROADSIL	DE SIGNS	50.5.000050
							\		FILE NUMBER
						ORCUTT RC	IAU		1 1050 00
DATE	BY	APPROVED	REVISION	FROM UNION VALLEY PARKWAY TO STA 73+00					I-1950.36
	- '	,	1.21.31314	<u>-</u> .		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	4

SCALE : 1" = 40'



CONDUIT AND CONDUCTOR SCHEDULE - SHEET E-1 CONDUIT RUN AND SIZE **CONDUCTOR RUN** AWG or CABLE 2" 3" 3" 4" 2-3" 2-3.5" 2-4" 3" 3" 2" CONDUIT (a) POLE A 3-COND. POLE B SIGNAL CABLE POLE C POLE D POLE E POLE F POLE G POLE H 12-COND. POLE I SIGNAL CABLE, TOTAL CABLES IN EACH CONDUIT #12 AWG FLASHING BEACON 2 2 2 #10 AWG LUMINAIRES 2 SIGNAL POWER #6 AWG SERVICE #2 AWG (c) Ø1 DETECTOR Ø2 3 3 3 3 Ø3 Ø4 DLC Ø5 2 2 Ø6 Ø7 7 | 7 | 7 | Ø8 10 | 10 | 19 | 19 | 39 | 10 | 10 TOTAL DLC 6 PR SIC (c) SIGNAL INTERCONNECT OPTICAL DETECTOR CABLE

NOTES:

- (a) CONDUITS ARE EXISTING (E) UNLESS OTHERWISE NOTED AS NEW (N) OR EXTENDED (X).
- (b) 3-CONDUCTOR SIGNAL CABLES SHALL BE RUN WITHOUT SPLICES FROM THE CONTROLLER TO THE PEDESTRIAN PUSHBUTTON TERMINAL ON THE POLE.

12-CONDUCTOR SIGNAL CABLES SHALL BE RUN WITHOUT SPLICES FROM THE CONTROLLER TO THE TERMINAL BOX ON THE POLE.

(c) SERVICE CONDUCTORS AND INTERCONNECT CABLE ARE EXISTING. ALL OTHER CABLES AND CONDUCTORS ARE NEW.

NOTICE! THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) NOT LESS THAN 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION

C74842

JUSTIN S. LINK, RCE 74842

RECORD DRAWINGS

	POLE & EQUIPMENT SCHEDULE - SHEET E-1														
1.00		STANDARDS		VEH. SIG. MTG.		PED. SIG.	SIG. PPB		LED	NISNS LEGEND	LOCATION		REMARKS		
LOC	TYPE	SIG. M.A.	L.M.A.	M.A.	POLE	MOUNTING	Ø	ARROW	LUMINAIRE	FRONT	STA	OFFSET	REWARKS		
A	61-5-100	65', F=26',14'(N)	15'	3-MAS (N)	SV-1-T	SP-1-T	4 (N)	•	165 W (N)	Union Valley Pkwy (RL)	EXIS	TING	4 9 10 12		
B	1-A-10'	-	-	-	TV-2-T (N)	SP-1-T (N)	6	-	-	-	EXIS	TING	5		
©	28-4-100 (N)	55', F=26' (N)	-	2-MAS (N)	SV-1-T (N)	-	-	-	-	State Route 135 (N)	21+81.4	103.4' LT	9 10		
(D)	PPB	-	-	-	-	-	6	←	-	-	EXIS	TING			
E	15TS	-	15'	-	SV-2-T	SP-1-T	-	-	165 W (N)	-	EXIS	TING	6 12		
F	29-4-100 (N)	50', F=20',12'(N)	15' (N)	3-MAS (N)	SV-1-T (N)	-	-	-	165 W (N)	Union Valley Pkwy (RL)	22+10.5	53.8' RT	7 9		
G	1-A-10' (N)	-	-	1	TV-2-T (N)	SP-1-T (N)	2 (N)	←	-	-	21+86.6	78.8' RT			
$\overline{\mathbb{H}}$	29-4-100 (N)	50', F=24' (N)	15' (N)	2-MAS (N)	SV-1-T (N)	SP-1-T (N)	2 (N)	←	165 W (N)	State Route 135 (RL)	20+64.4	95.3' RT	9 10		
	1-A-10' (N)	-	-	-	TV-2-T (N)	SP-1-T (N)	4 (N)	-	-	-	20+40.1	66.3' RT			
\bigcirc	15 FBS	-	-	-	ı	-	-	-	-	-	EXIS	TING			
K	1-A-15'	-	-	-	-	-	-	-	-	-	EXIS	TING			

NOTES:
EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED AS NEW (N), RELOCATED (RL).

RECORD DRAWING	
NO CHANGES.	
RESIDENT ENGINEER R.C.E NO	DATE: EXPIRES:
	NO CHANGES. RESIDENT ENGINEER

REVISION

	RANS District Toachment Permit Plans
Elici	Vacimient Femili Flans
Permit No	0510 NRP 0690
Plan No.	
Approval Date	
Page	of

BASE BID

ATE #10012		
ASSOCIATED TRANSPORTATION		
ENGINEERS		
100 N. Hope Avenue, Suite 4 Santa Barbara, CA 93110-2621 (805) 687-4418		
(655) 551 1115		

LETTER DATE BY APPROVED

			OF SANTA MARIA	
4		DEI	PARTMENT OF PUBLIC WORKS	
ĺ	SCALE	DATE		

CHECKED BY: R.L.P. 38 of 50 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13 UNION VALLEY PARKWAY EXTENSION

STATE ROUTE 135/UNION VALLEY PARKWAY SIGNAL MODIFICATION PLAN

REFERENCES FILE NUMBER I-1950.38

DRAWN BY: J.S.L.

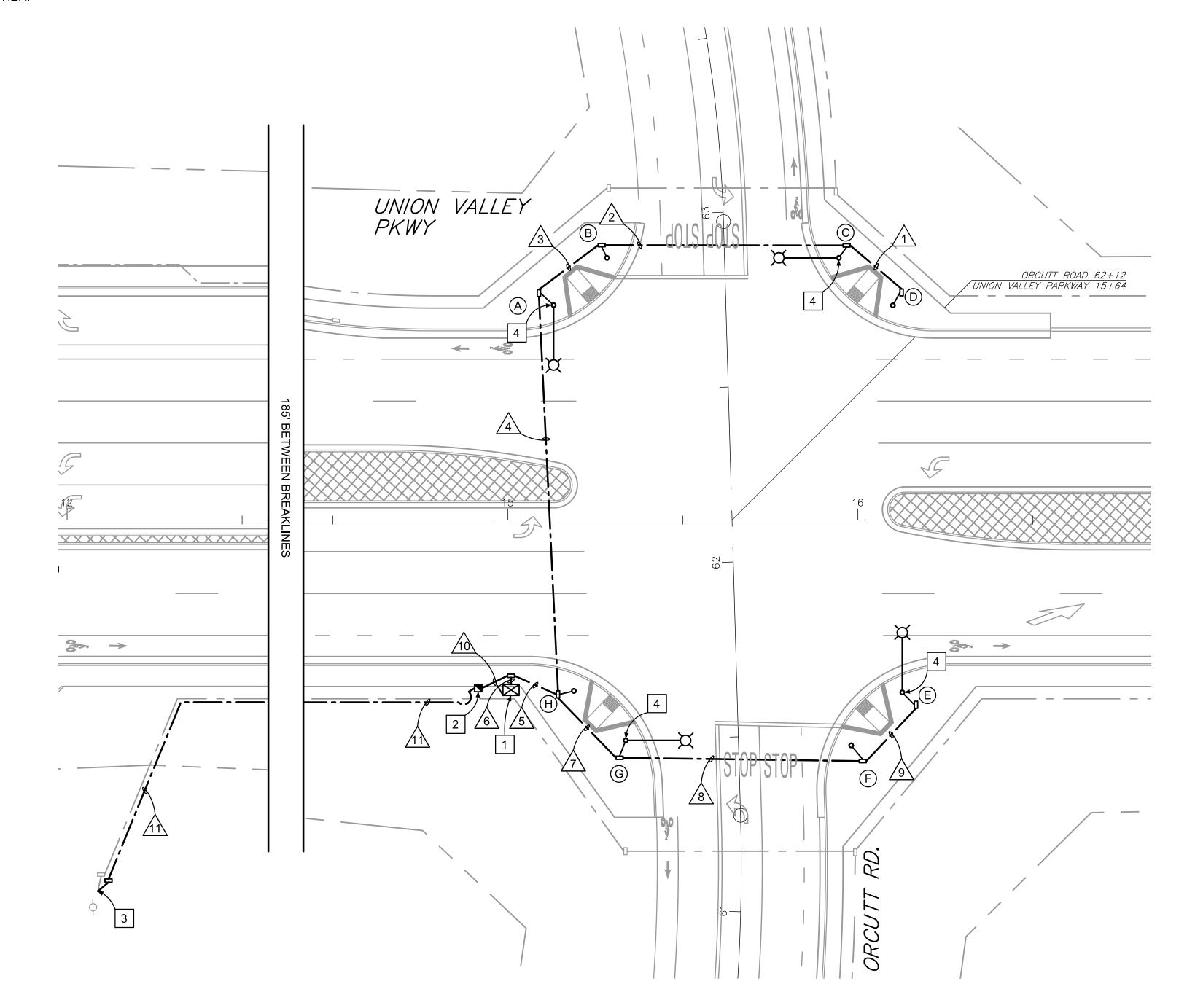
E-2

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

RECORD DRAWINGS

INSTALLATION NOTES

- 1 CONSTRUCT FOUNDATION FOR MODEL 332 SIGNAL CONTROLLER CABINET PER STANDARD PLAN ES-3C. SEAL AND PROTECT CONDUIT EXTENSIONS AND ANCHOR BOLTS FROM WEATHER.
- FURNISH AND INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE, 100A, Ø1, 120/240V. CONSTRUCT FOUNDATION FOR TYPE III-BF SERVICE EQUIPMENT ENCLOSURE PER STANDARD PLAN ES-2E. WIRING DIAGRAM SHALL BE PER SHEET E-4.
- PG&E SERVICE LOCATION. INSTALL PULLBOX AT THE BASE OF THE POLE. SERVICE CONNECTION TO BE COORDINATED BY CONTRACTOR WITH PG&E REPRESENTATIVE, MICHAEL ORBAN, AT (805) 346-2225. SEE APPENDIX C OF THE SPECIAL PROVISIONS FOR FURTHER INFORMATION REGARDING PG&E SERVICE REQUIREMENTS.
- INSTALL SIGNAL POLE, LUMINAIRE MAST ARM, AND LUMINAIRE PER POLE AND EQUIPMENT SCHEDULE. SEAL AND PROTECT MAST ARM CONNECTION FROM WEATHER.



GENERAL NOTES

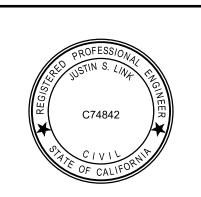
- 1. ALL SIGNAL AND LIGHTING WORK SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED MAY 2006, STANDARD SPECIFICATIONS DATED MAY 2006, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) DATED JANUARY 2010, AND THE SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH FACILITIES TO BE CONSTRUCTED PRIOR TO COMMENCING THE WORK.
- 3. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT TO BE INSTALLED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 4. BOLD FACE PLAN SYMBOLS ARE NEW CONSTRUCTION. HALF-TONE SYMBOLS ARE EXISTING.
- 5. CONTRACTOR SHALL POTHOLE ALL SIGNAL POLE FOUNDATIONS PRIOR TO CONSTRUCTION.
- 6. SIGNAL POLE FOUNDATION ANCHOR BOLTS SHALL BE CAPPED AND PROTECTED FROM WEATHER AND FOR PUBLIC SAFETY. CONDUIT EXTENSIONS SHALL BE SEALED AND PROTECTED FROM WEATHER.
- 7. ANY DEVIATIONS FROM THIS PLAN SHALL REQUIRE APPROVAL BY THE ENGINEER AND NOTIFICATION MADE TO ASSOCIATED TRANSPORTATION ENGINEERS.

BASE BID

E-3

DRAWN BY: J.S.L.

CHECKED BY: R.L.P.



ASSOCIATED TRANSPORTATION
ENGINEERS

100 N. Hope Avenue, Suite 4
Santa Barbara, CA 93110-2621
(805) 687-4418

LETTER | DATE | BY | APPROVED

JUSTIN S. LINK, RCE 74842

UNION VALLEY PARKWAY EXTENSION
UNION VALLEY PARKWAY/ORCUTT ROAD
TRAFFIC SIGNAL PLAN

SCALE

REVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

REFERENCES

FILE NUMBER

I-1950.39

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

DATE:_

EXPIRES:

SCALE: 1"=20'

RECORD DRAWING

NOTICE!

THE CONTRACTOR SHALL NOTIFY

UNDERGROUND SERVICE ALERT (USA)

NOT LESS THAN 2 WORKING DAYS

PRIOR TO START OF CONSTRUCTION

RESIDENT ENGINEER

NO CHANGES.

CONDUIT AND CONDUCTOR SCHEDULE - SHEET E-3 CONDUIT RUN AND SIZE AWG **CONDUCTOR RUN** CABLE 3" | 4" | 2-4" | 2-4" | 4" | 3" | 2" | 2" POLE A 3-COND. POLE B SIGNAL **CABLE** POLE C POLE D POLE E POLE F POLE G 12-COND. POLE H SIGNAL CABLE TOTAL CABLES IN EACH CONDUIT LUMINAIRES #10 AWG SIGNAL POWER #6 AWG SERVICE #2 AWG (a) VIDEO CAMERA VIDEO CAMERA POWER CABLE PULLROPE

NOTES:

INSTALL CONDUIT RUNS, CONDUCTORS, AND PULL ROPES AS SHOWN ON THE PLAN AND THE SCHEDULE ABOVE.

(a) SERVICE CONDUCTORS SHALL BE INSTALLED BY PG&E.

TY	PE III-BF SERVICE (120/2	240V.) EQUIPMENT LEGEND
ITEM NO.	COMPONENT	NAME PLATE DESCRIPTION
1	Neutral Lug	
2	Landing Lug	
3	Test Bypass Facilities	
4	Meter Socket and Support	
5	Terminal Blocks	
6	Solid Neutral Lug	
7	Ground Lug	
8	Ground Rod	
9	100A. 208V. 2-P CKT BKR	Main Breaker
10	15A. 120V. 1P CKT BKR	Spare
11	15A. 120V. 1P CKT BKR	Lighting Control
12	30A. 120V. 1P CKT BKR	Lighting
13	30A. 120V. 1P CKT BKR	Signals
14	15A. 120V. 1P CKT BKR	Video Camera Power
15	15A. 120V. 1P CKT BKR	Video Camera Power
16	15A. 120V. 1P CKT BKR	Video Camera Power
17	15A. 120V. 1P CKT BKR	Video Camera Power Video Camera Power
18	20A. 120V. 1P CKT BKR	Receptacle
19	15A. 1P Test Switch	Lighting Test Switch P.D. GASTON
20	Photoelectric Unit	<u>ي _{No.} 80205</u>
21	30A. 1PNO Mercury Contactor	

NOTICE! THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) 811

NOT LESS THAN 2 WORKING DAYS
PRIOR TO START OF CONSTRUCTION

RECORD DRAWING

NO CHANGES.

RESIDENT ENGINEER DATE:

R.C.E NO. EXPIRES:

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

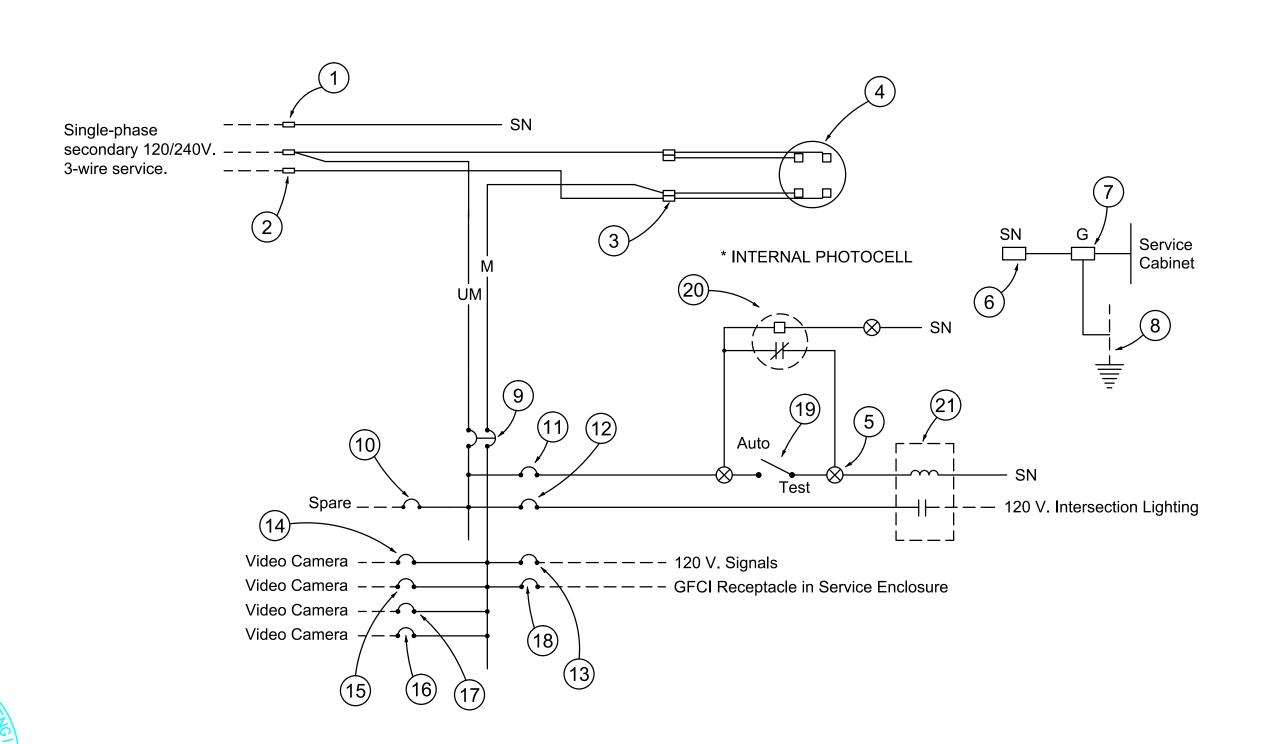
RECORD DRAWINGS

	POLE & EQUIPMENT SCHEDULE - SHEET E-3														
1.00	STANDARDS			VEH. SIG. MTG.		PED. SIG.	PED. SIG. PPB		HPS	HPS NISNS LEGEND		TION	REMARKS		
LOC	TYPE	SIG. M.A.	L.M.A.	M.A.	POLE	MOUNTING	Ø	ARROW	LUMINAIRE	FRONT/BACK	STA - UVP	OFFSET	REWARKS		
A	26-4-100		15'						250 W		15+13.0	61.4' LT	4		
B	1-A-10'		-						-		15+28.3	74.9' LT			
©	24-4-100		15'						250 W		15+94.5	74.9' LT	4		
(D)	1-A-10'		-						-		16+10.0	61.3' LT			
E	26-4-100		15'						250 W		16+12.7	49.3' RT	4		
F	1-A-10'		-						-		15+98.1	64.4' RT			
G	24-4-100		15'						250 W		15+33.6	63.0' RT	4		
\overline{H}	1-A-10'		-						-		15+18.8	48.9' RT			

NOTES:

CONSTRUCT SIGNAL POLE FOUNDATION FOR THE STANDARD INDICATED IN THE SCHEDULE ABOVE AT THE LOCATION SHOWN. INSTALL TYPE 24 AND TYPE 26 SIGNAL POLES, LUMINAIRE MAST ARMS, AND LUMINAIRES AS INDICATED.

FOR FOUNDATIONS WHERE SIGNAL POLES WILL NOT BE INSTALLED, FOUNDATION ANCHOR BOLTS SHALL BE CAPPED AND PROTECTED FROM WEATHER AND FOR PUBLIC SAFETY. CONDUIT EXTENSIONS SHALL BE SEALED AND PROTECTED FROM WEATHER.



P Pole
CB Circuit Breaker
A Ampere
V Volt
M Metered
UM Unmetered
SN Solid Neutral
NO Pole Normally Open
NC Pole Normally Closed

External Conductors
Tie Point
Conductor or Bus
Contactor Coil
Contactor, Contact NO
Contactor, Contact NC
Terminal Blocks

120/240V. SERVICE WIRING DIAGRAM

BASE BID

E-4



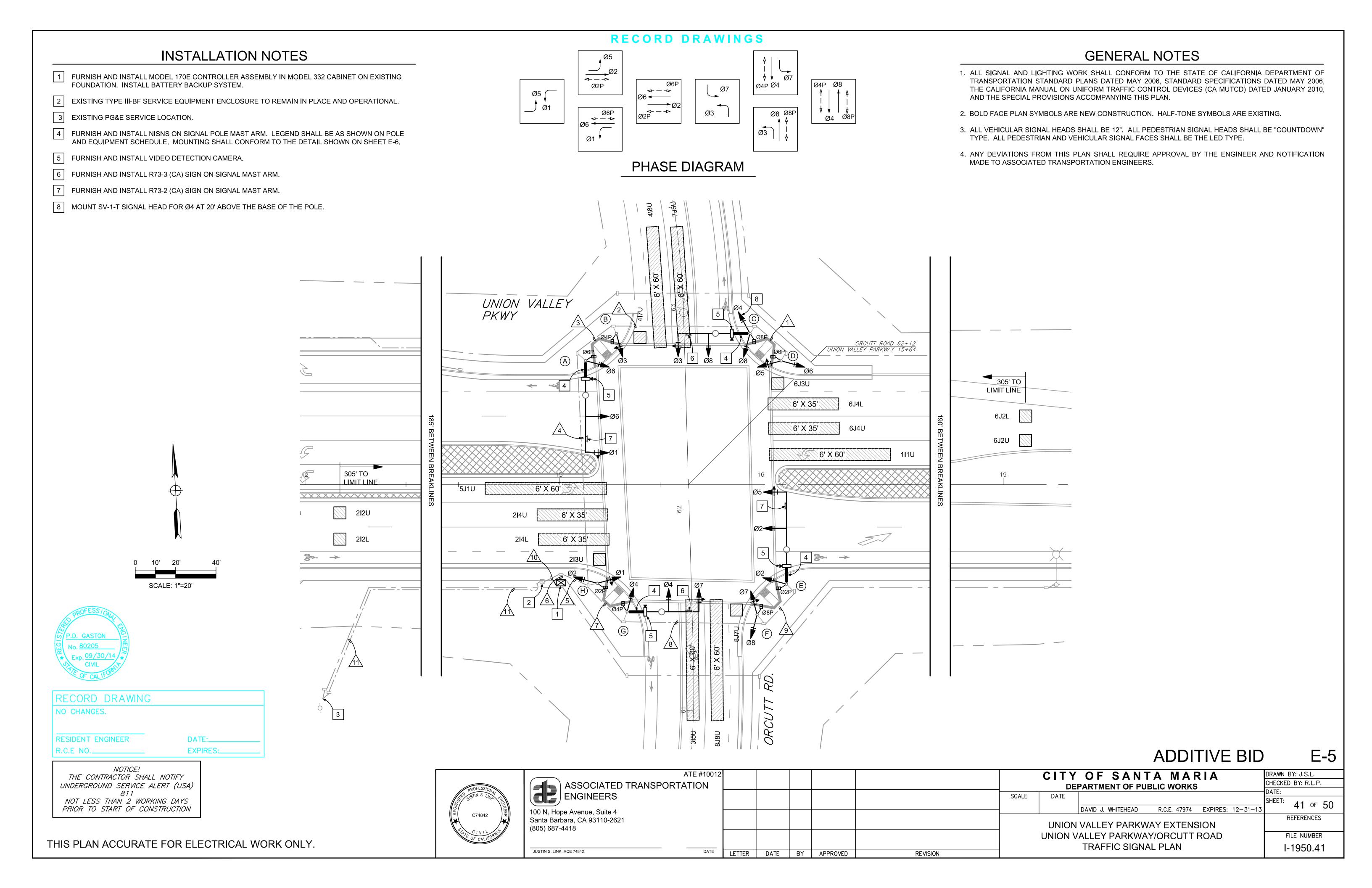
JUSTIN S. LINK, RCE 74842

C74842

ASSOCIATED TRANSPORTATION ENGINEERS 100 N. Hope Avenue, Suite 4 Santa Barbara, CA 93110-2621 (805) 687-4418

LETTER	DATE	BY	APPROVED	REVISION	

	CITY	OF SANTA	A MAR	PIA	DRAWN E	BY: J.S.L.
	DE	CHECKED BY: R.L.P.				
SCALE	DATE	/			DATE:	
SCALE	DATE				SHEET:	40 of 50
		DAVID J. WHITEHEAD	R.C.E. 47974	EXPIRES: 12-31-13		40 % 30
	UNION	VALLEY PARKWA	Y EXTENS	ION	R	REFERENCES
	UNION V	ALLEY PARKWAY	ORCUTT F	ROAD	F	ILE NUMBER
		I-1950.40				



CONDUIT AND CONDUCTOR SCHEDULE - SHEET E-5													
		CONDUIT RUN AND SIZE											
AWG	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9	10	11	
or CABLE		2"	3"	3"	4"	2-4"	2-4"	4"	3"	2"	2"	2"	
	CONDUIT (a)	E	E	E	E	E	E	Е	E	E	E	E	
	POLE A				1/1	1/1	1/1						
3-COND. / SIGNAL /	POLE B			1 1	1 1	1 1	1 1						
CABLE /	POLE C		1 1	1 1	1/1	1 1	1 1						
(b)	POLE D	1/1	1/1	1 1	1 1	1 1	1 1						
	POLE E					1/1	1/1	1/1	1/1	1 1			
	POLE F					1/1	1/1	1/1	1/1				
/10.00NID	POLE G					1/1	1/1	1/1					
/ 12-COND. / SIGNAL	POLE H					1/1	1/1						
CABLE (b)	TOTAL CABLES IN EACH CONDUIT	1/1	$\frac{2}{2}$	3/3	4 4	8 8	8 8	$\frac{3}{3}$	$\frac{2}{2}$	1/1			
#10 AWG	LUMINAIRES		2	2	2	4		2	2	2	4		
#6 AWG	SIGNAL POWER						2				2		
#2 AWG (d)	SERVICE											3	
BELDON 8281 (c)	VIDEO CAMERA		1	1	2	4	4	2	1	1			
3-COND.	VIDEO CAMERA POWER		1	1	2	4		2	1	1	4		

- (a) ALL CONDUITS ARE EXISTING (E).
- (b) 3-CONDUCTOR SIGNAL CABLES SHALL BE RUN WITHOUT SPLICES FROM THE CONTROLLER TO THE PEDESTRIAN PUSHBUTTON TERMINAL ON THE POLE.
 - 12-CONDUCTOR SIGNAL CABLES SHALL BE RUN WITHOUT SPLICES FROM THE CONTROLLER TO THE TERMINAL BOX ON THE POLE.
- (c) ALL VIDEO DETECTOR CAMERA CABLES SHALL BE RUN WITHOUT SPLICES.
- (d) SERVICE CONDUCTORS ARE EXISTING. ALL OTHER CABLES AND CONDUCTORS ARE NEW.

RECORD DRAWING

NO CHANGES.

RESIDENT ENGINEER

DATE:_



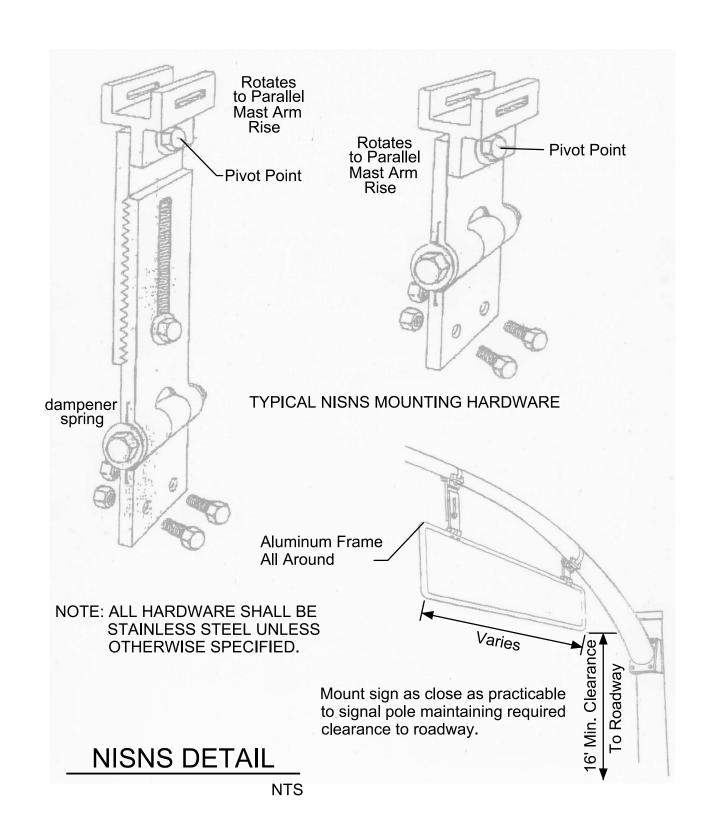
NOTICE! THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) NOT LESS THAN 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

RECORD DRAWINGS

	POLE & EQUIPMENT SCHEDULE - SHEET E-5														
1.00	S ⁻	TANDARDS		VEH. SIG. MTG.		PED. SIG.	PED. SIG. PPB		HPS	NISNS LEGEND	LOCATION		REMARKS		
LOC	TYPE	SIG. M.A.	L.M.A.	M.A.	POLE	MOUNTING	Ø	ARROW	LUMINAIRE	FRONT/BACK	STA - UVP	OFFSET	REWARKS		
A	26-4-100	45', F=18' (N)	15'	2-MAS (N)	SV-1-T (N)	SP-1-T (N)	4 (N)	←	250 W	Orcutt Rd (N)	EXIST	ΓING	4 5 7		
B	1-A-10' (N)	-	-	-	TV-1-T (N)	SP-1-T (N)	6 (N)	-	-	-	EXIST	ΓING			
©	24-4-100	35', F=15' (N)	15'	2-MAS (N)	SV-1-T (N) SV-1-T (N)	SP-1-T (N)	6 (N)	+	250 W	Union Valley Pkwy (N)	EXIST	ΓING	4 5 6 8		
(D)	1-A-10' (N)	-	-	-	TV-2-T (N)	SP-1-T (N)	8 (N)	-	-	-	EXIST	ΓING			
E	26-4-100	45', F=18' (N)	15'	2-MAS (N)	SV-1-T (N)	SP-1-T (N)	8 (N)	\	250 W	Orcutt Rd (N)	EXIST	ΓING	4 5 7		
F	1-A-10' (N)	-	ı	-	TV-2-T (N)	SP-1-T (N)	2 (N)	*	-	-	EXIST	ΓING			
G	24-4-100	35', F=15' (N)	15'	2-MAS (N)	SV-1-T (N)	SP-1-T (N)	2 (N)	—	250 W	Union Valley Pkwy (N)	EXIST	ΓING	4 5 6		
(H)	1-A-10' (N)	-	-	-	TV-2-T (N)	SP-1-T (N)	4 (N)	→	-	-	EXIST	ΓING			

EQUIPMENT EXISTING UNLESS OTHERWISE NOTED AS NEW (N).



ATE #10012

LETTER DATE BY APPROVED

ADDITIVE BID

R.C.E. 47974 EXPIRES: 12-31-13

E-6

42 or 50

REFERENCES

FILE NUMBER

I-1950.42

DRAWN BY: J.S.L.

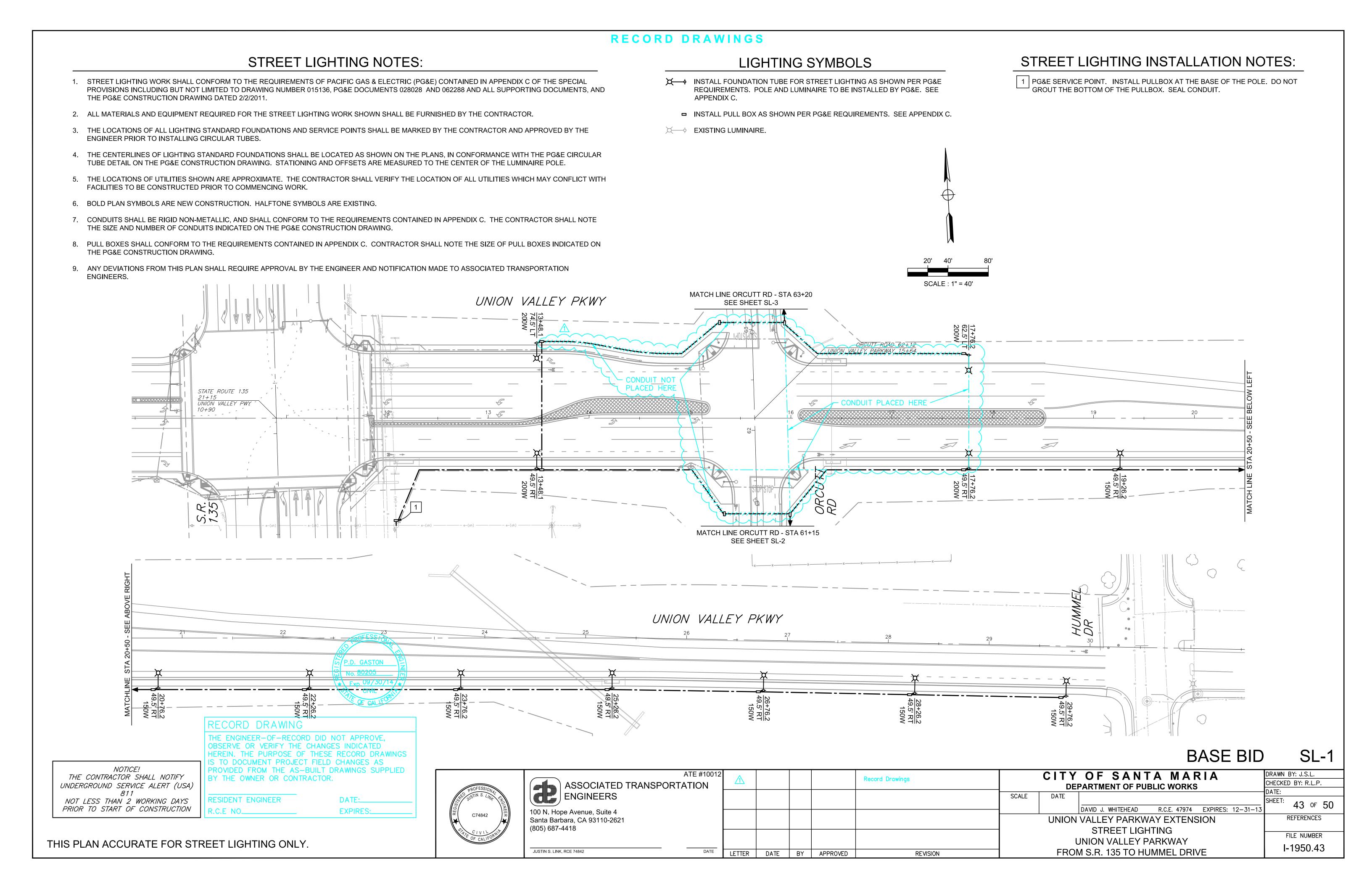
CHECKED BY: R.L.P.



C74842

					CITY		SAN ENT OF PL			
				SCALE	DATE					
						DAVID J.	WHITEHEAD	R.C.E	. 47974	EXPIRES:
					UNION	VALLE	Y PARKV	NAY EX	XTENS	SION
					UNION V		PARKW/ FIC SIGN			ROAD
TTED	DATE	 4 DDDQ\/ED	DEVICION	1		111/711	ic sidiv	1/7 L L/	71 7	

REVISION



RECORD DRAWINGS

APPENDIX C.

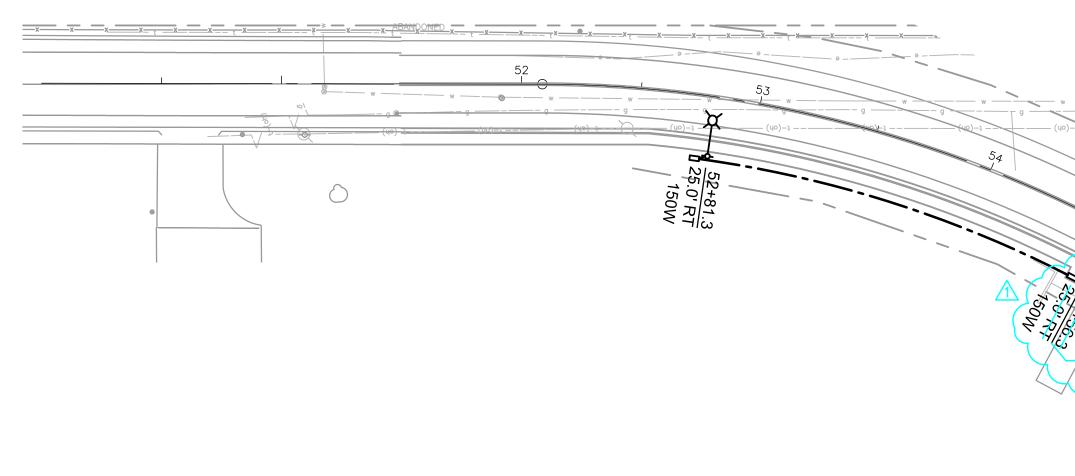
LIGHTING SYMBOLS

REQUIREMENTS. POLE AND LUMINAIRE TO BE INSTALLED BY PG&E. SEE

□ INSTALL PULL BOX AS SHOWN PER PG&E REQUIREMENTS. SEE APPENDIX C.

STREET LIGHTING NOTES:

- 1. STREET LIGHTING WORK SHALL CONFORM TO THE REQUIREMENTS OF PACIFIC GAS & ELECTRIC (PG&E) CONTAINED IN APPENDIX C OF THE SPECIAL PROVISIONSM INCLUDING BUT NOT LIMITED TO DRAWING NUMBER 015136, PG&E DOCUMENTS 028028 AND 062288 AND ALL SUPPORTING DOCUMENTS, AND THE PG&E CONSTRUCTION DRAWING DATED 2/2/2011.
- 2. ALL MATERIALS AND EQUIPMENT REQUIRED FOR THE STREET LIGHTING WORK SHOWN SHALL BE FURNISHED BY THE CONTRACTOR.
- 3. THE LOCATIONS OF ALL LIGHTING STANDARD FOUNDATIONS AND SERVICE POINTS SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INSTALLING CIRCULAR TUBES.
- 4. THE CENTERLINES OF LIGHTING STANDARD FOUNDATIONS SHALL BE LOCATED AS SHOWN ON THE PLANS, IN CONFORMANCE WITH THE PG&E CIRCULAR TUBE DETAIL ON THE PG&E CONSTRUCTION DRAWING. STATIONING AND OFFSETS ARE MEASURED TO THE CENTER OF THE LUMINAIRE POLE.
- 5. THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WHICH MAY CONFLICT WITH FACILITIES TO BE CONSTRUCTED PRIOR TO COMMENCING WORK.
- 6. BOLD PLAN SYMBOLS ARE NEW CONSTRUCTION. HALFTONE SYMBOLS ARE EXISTING.
- 7. CONDUITS SHALL BE RIGID NON-METALLIC, AND SHALL CONFORM TO THE REQUIREMENTS CONTAINED IN APPENDIX C. THE CONTRACTOR SHALL NOTE THE SIZE AND NUMBER OF CONDUITS INDICATED ON THE PG&E CONSTRUCTION DRAWING.
- 8. PULL BOXES SHALL CONFORM TO THE REQUIREMENTS CONTAINED IN APPENDIX C. CONTRACTOR SHALL NOTE THE SIZE OF PULL BOXES INDICATED ON THE PG&E CONSTRUCTION DRAWING.
- 9. ANY DEVIATIONS FROM THIS PLAN SHALL REQUIRE APPROVAL BY THE ENGINEER AND NOTIFICATION MADE TO ASSOCIATED TRANSPORTATION ENGINEERS





RECORD DRAWING

THE ENGINEER-OF-RECORD DID NOT APPROVE,
OBSERVE OR VERIFY THE CHANGES INDICATED
HEREIN. THE PURPOSE OF THESE RECORD DRAWINGS
IS TO DOCUMENT PROJECT FIELD CHANGES AS
PROVIDED FROM THE AS-BUILT DRAWINGS SUPPLIED
BY THE OWNER OR CONTRACTOR.

UNDERGROUND SERVICE ALERT (USA)
811

NOTICE!

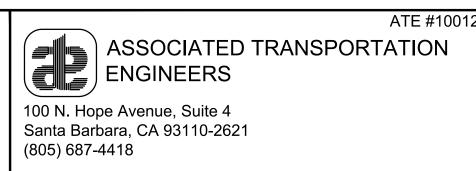
THE CONTRACTOR SHALL NOTIFY

NOT LESS THAN 2 WORKING DAYS
PRIOR TO START OF CONSTRUCTION

RESIDENT ENGINEER

DATE:_____ EXPIRES:___

C74842



JUSTIN S. LINK, RCE 74842

\triangle		Record Drawings

REVISION

DATE BY APPROVED

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

SCALE

DATE

DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13

UNION VALLEY PARKWAY EXTENSION

STREET LIGHTING

ORCUTT ROAD

FROM STA 51+49 TO UVP

DRAWN BY: J.S.L.

CHECKED BY: R.L.P.

DATE:

SHEET:

44 OF 50

REFERENCES

FILE NUMBER

I-1950.44

BASE BID

SL-2

THIS PLAN ACCURATE FOR STREET LIGHTING ONLY.

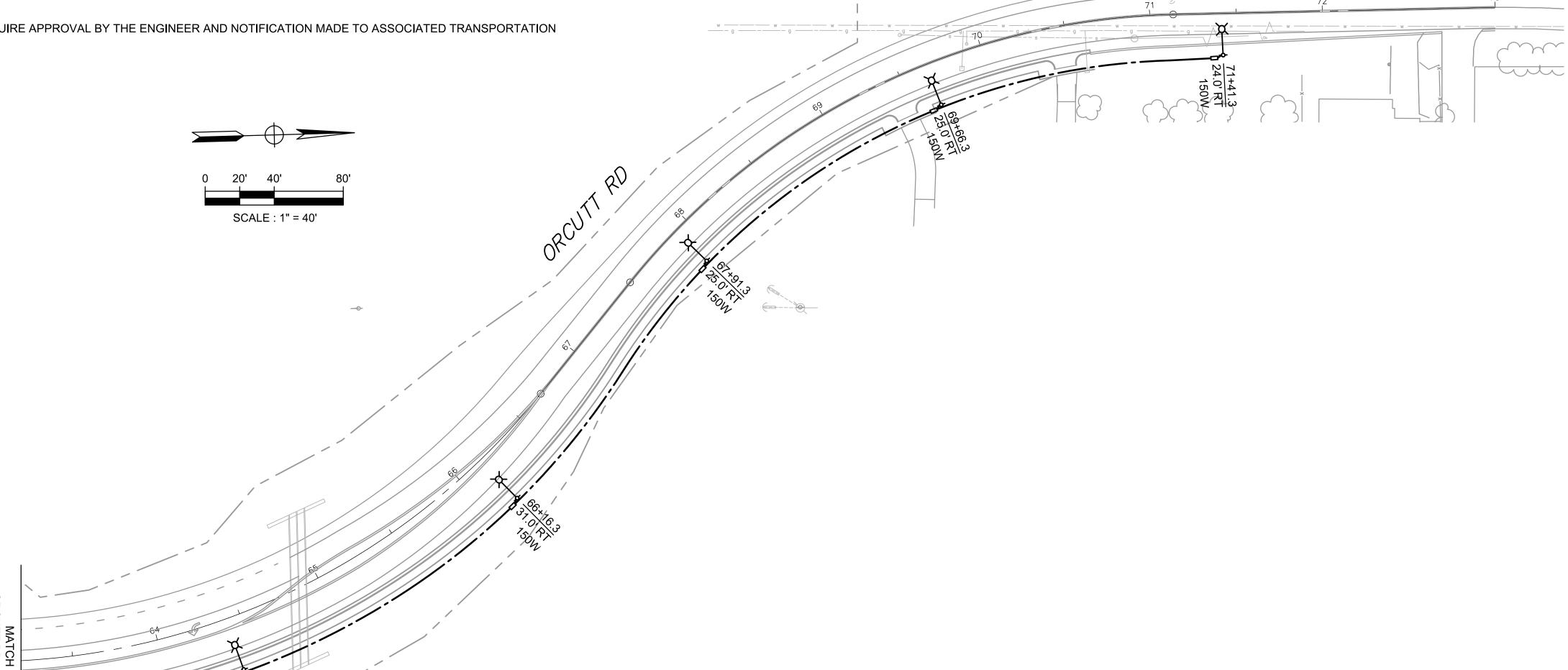
RECORD DRAWINGS

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LIGHTING SYMBOLS

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 - □ INSTALL PULL BOX AS SHOWN PER PG&E REQUIREMENTS. SEE APPENDIX C.



NOTICE! THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) NOT LESS THAN 2 WORKING DAYS

PRIOR TO START OF CONSTRUCTION

RECORD DRAWING NO CHANGES. ESIDENT ENGINEER



A
ASSOCIATED TRANSPORTA
ENGINEERS
100 N. Hope Avenue, Suite 4
Santa Barbara, CA 93110-2621

(805) 687-4418

JUSTIN S. LINK, RCE 74842

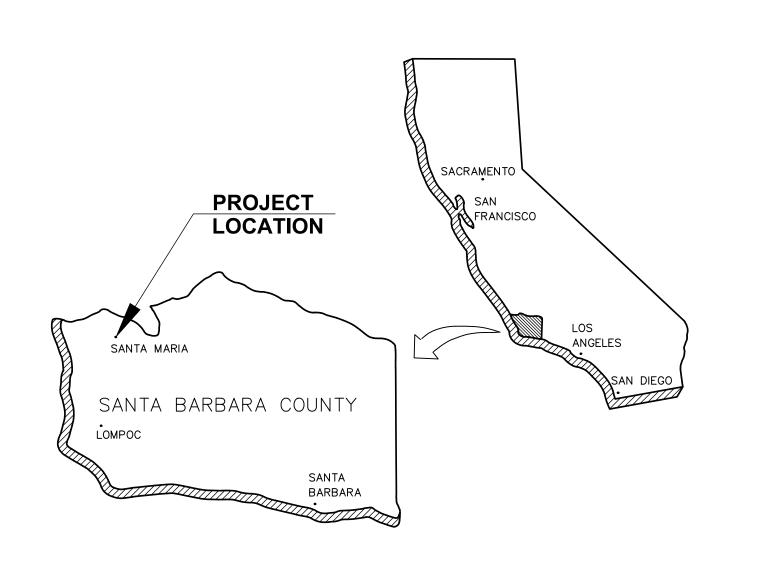
ATE #10012				
TATION				
DATE	LETTER	DATE	BY	APPROVED

		SCALE

REVISION

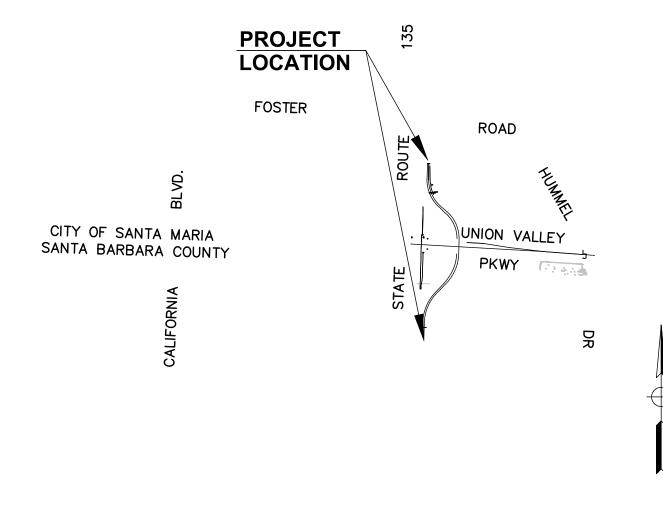
BASE BID SL-3 CITY OF SANTA MARIA DRAWN BY: J.S.L. CHECKED BY: R.L.P. **DEPARTMENT OF PUBLIC WORKS** 45 of 50 DAVID J. WHITEHEAD R.C.E. 47974 EXPIRES: 12-31-13 UNION VALLEY PARKWAY EXTENSION REFERENCES STREET LIGHTING FILE NUMBER ORCUTT ROAD I-1950.45 FROM UVP TO STA 73+00

THIS PLAN ACCURATE FOR STREET LIGHTING ONLY.

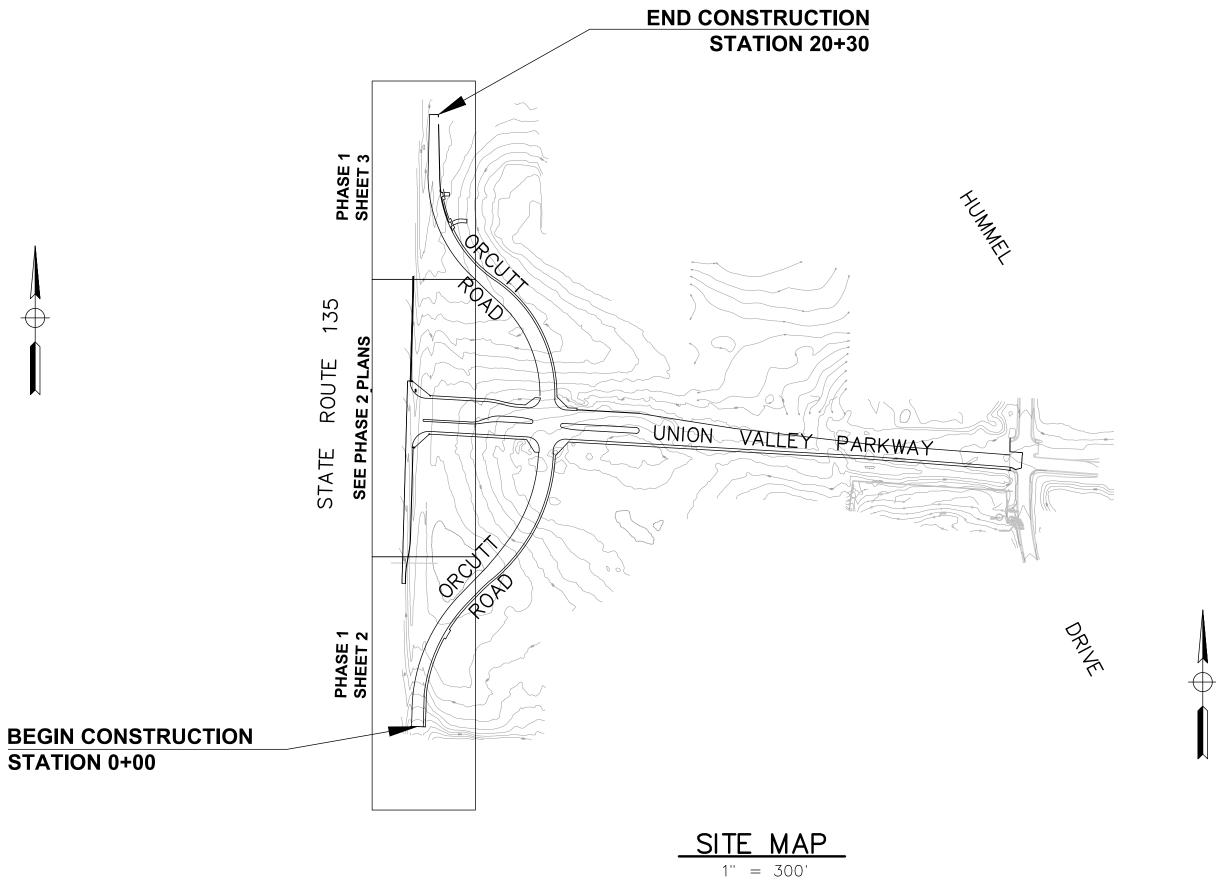


Golden State Water Company A Subsidiary of American States Water Company

ORCUTT ROAD WATER LINE RELOCATION PHASE 1 EXISTING ORCUTT ROAD INTERSECTION WITH PROPOSED UNION VALLEY PARKWAY CITY OF SANTA MARIA, CALIFORNIA



VICINITY MAP



ENGINEERS INC

Engineers • Surveyors • Construction Managers Quality Infrastructure Services

201 INDUSTRIAL WAY, BUELLTON, SUITE A, CA 93427 PHONE (805) 688.5200 FAX (805) 686.5418

RECORD DRAWING

HE ENGINEER-OF-RECORD DID NOT APPROVE, OBSERVE OR VERIFY THE CHANGES INDICATED HEREIN. THE PURPOS OF THESE RECORD DRAWINGS IS TO DOCUMENT PROJECT FIELD CHANGES AS PROVIDED FROM THE AS-BUILT PRAWINGS SUPPLIED BY THE OWNER OR CONTRACTOR.

RESIDENT ENGINEER

Know what's below.

Call before you dig.

EXPIRES:

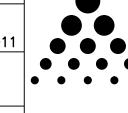
D. GASTON

THIS PLAN WAS PREPARED BY THE STAFF OF MNS ENGINEERING INC. MNS MADE A REASONABLE REVIEW OF AVAILABLE RECORDS AND A VISUAL INSPECTION OF THE PROJECT AREA TO COMPLETE THE INFORMATION GIVEN HEREON INCLUDING THE EXISTENCE AND LOCATION OF SUBSTRUCTURES AND UNDERGROUND UTILITY PIPES. HOWEVER MNS DOES NOT WARRANTY THE INFORMATION GIVEN HEREON.

THE CONTRACTOR, IN ADDITION TO COMPLYING WITH THE PROCEDURES OF UNDERGROUND SERVICE ALERT, IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT THE ABOVE AND BELOW GROUND STRUCTURES IN THE VICINITY OF THE PROJECT.

	No.	BY:	DATE:	REVISION	BY:	APPROVED DATE:
	\triangle			Record Drawings		
D						
/						

BUDGET YEAR GROU	2011 P 52	STEM MAP NO: S)	/S-NNN	BY: KMY DATE: 03/31/2011
THOMAS GUIDE H	816 3 & H4	ALE: AS SHOWN	PROCESSED TAX CODE NO.	DESIGN BY: KMY DATE: 03/31/2011
	ASTAL CUTT	AS-BUILT REC	CORDS DATE:	FIELD CHECK & SERVICE SURVEY BY: DATE:
REVIEWED & AP				DATE:



Golden State Water Company

A Subsidiary of American States Water Company 1920 WEST CORPORATE WAY, ANAHEIM, CA 92801 PHONE: (714) 535-7711 FAX: (714) 535-8685

PROJECT PHASE NOTES:

- THE AREAS FOR PHASE 1 CONSTRUCTION ARE BETWEEN STATION 0+54 TO 3+50 AND STATION 16+40 TO 20+30 AS DETAILED ON SHEET 2 AND SHEET 3 OF THIS PLAN SET. PHASE 1 IS TO BE CONSTRUCTED BY THE GOLDEN STATE WATER CONTRACTOR PRIOR TO CONSTRUCTION OF THE UNION VALLEY PARKWAY PROJECT.
- PHASE 2 CONSTRUCTION IS BETWEEN STATION 8+19 AND 13+02 AS DETAILED ON SHEET 2 OF THE ORCUTT ROAD WATER LINE RELOCATION PHASE 2 PLAN SET. PHASE 2 IS TO BE CONSTRUCTED BY THE CITY OF SANTA MARIA CONTRACTOR DURING THE CONSTRUCTION OF THE UNION VALLEY PARKWAY PROJECT.

GENERAL NOTES:

- THIS PLAN WAS PREPARED BY THE STAFF OF MNS ENGINEERS, INC. MNS MADE A REASONABLE REVIEW OF AVAILABLE RECORDS AND A VISUAL INSPECTION OF THE PROJECT AREA TO COMPLETE THE INFORMATION GIVEN HEREON INCLUDING THE EXISTENCE AND LOCATION OF SUBSTRUCTURES AND UNDERGROUND UTILITY PIPES. HOWEVER MNS DOES NOT WARRANTY THE INFORMATION GIVEN HEREON.
- THE CONTRACTOR, IN ADDITION TO COMPLYING WITH THE PROCEDURE OF UNDERGROUND SERVICE ALERT, IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT THE ABOVE AND BELOW GROUND STRUCTURES IN THE VICINITY OF THE PROJECT.
- 3. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH GSWC'S GENERAL CONDITIONS, STANDARD SPECIFICATIONS AND THE PROJECT'S SUPPLEMENTAL SPECIFICATIONS.
- 4. WORKING HOURS SHALL BE 7AM TO 4PM MONDAY THROUGH FRIDAY.
- 5. SHUT DOWN FOR THE TIE-INS SHALL BE SCHEDULED FOR AFTER HOURS.
- 6. TRENCHING, BACKFILL, AND PAVING SHALL BE AS PER THE REQUIREMENTS OF THE COUNTY OF SANTA BARBARA.
- 7. TRAFFIC CONTROL SHALL BE ACCORDING TO THE LATEST EDITION OF THE CALIFORNIA M.U.T.C.D. OR AS DIRECTED BY THE SANTA BARBARA COUNTY ROAD DIVISION INSPECTOR.
- 8. CONTRACTOR SHALL OBTAIN A SANTA BARBARA COUNTY ENCROACHMENT PERMIT PRIOR TO CONSTRUCTION AND ALL WORK SHALL BE IN ACCORDANCE WITH THOSE REQUIREMENTS AND TO THE SATISFACTION OF THE CITY ENGINEER.
- 9. FIVE DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH GSWC AND CITY OF SANTA MARIA AND COUNTY OF SANTA BARBARA REPRESENTATIVES. CONTACT COUNTY OF SANTA BARBARA ROAD DIVISION AT 805-681-4991. CONTACT CITY OF SANTA MARIA PUBLIC WORKS DIVISION AT 805-925-0951.
- 10. CONTRACTOR TO VERIFY ALL SUBSTRUCTURES AND CALL THE APPLICABLE UNDERGROUND SERVICE ALERT ORGANIZATION AT LEAST 2 DAYS BEFORE DIGGING.
- 11. ALL UTILITY INVERTS SHALL BE INSTALLED WITH AN AIR & VACUUM RELEASE VALVE PER GSWC STANDARD.
- 12. PAVEMENT CUTTING, PAVEMENT REPLACEMENT AND SEAL SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF COUNTY OF SANTA BARBARA STANDARD CONSTRUCTION SPECIFICATIONS.
- 13. THE REMOVAL AND DISPOSAL OF AC PIPE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH GSWC SPECIFICATIONS 1012-SPECIAL CONDITIONS, SECTION 1.13.
- 14. COVER ON THE WATER LINE SHALL BE 36" MINIMUM FROM FINISHED GRADE PER GSWC STANDARD.
- 15. ELEVATIONS CALLED OUT ARE TO THE TOP OF PIPE.
- 16. ALL WORK SHALL REMAIN WITHIN SANTA BARBARA COUNTY RIGHT OF WAY OR EXISTING UTILITY EASEMENT AS SHOWN ON THE PLANS. NO PORTION OF WATER LINE, THRUST BLOCK, OR OTHER APPURTENANCES SHALL EXTEND BEYOND THOSE LIMITS.

ABBREVIATIONS:

ACP ASBESTOS CEMENT PIPE CMP CORRUGATED METAL PIPE CPLG COUPLING DIP DUCTILE IRON PIPE FG FINISHED GRADE GV GATE VALVE MJ MECHANICAL JOINT OG ORIGINAL GROUND RCP REINFORCED CONCRETE PIPE

R/W RIGHT OF WAY

LEGEND:

- PROPOSED GATE VALVE
- ▲ PROPOSED REDUCER
- ↑ PROPOSED AIR RELEASE VALVE

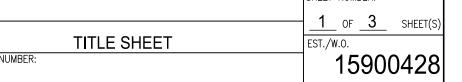
PROPOSED COUPLING

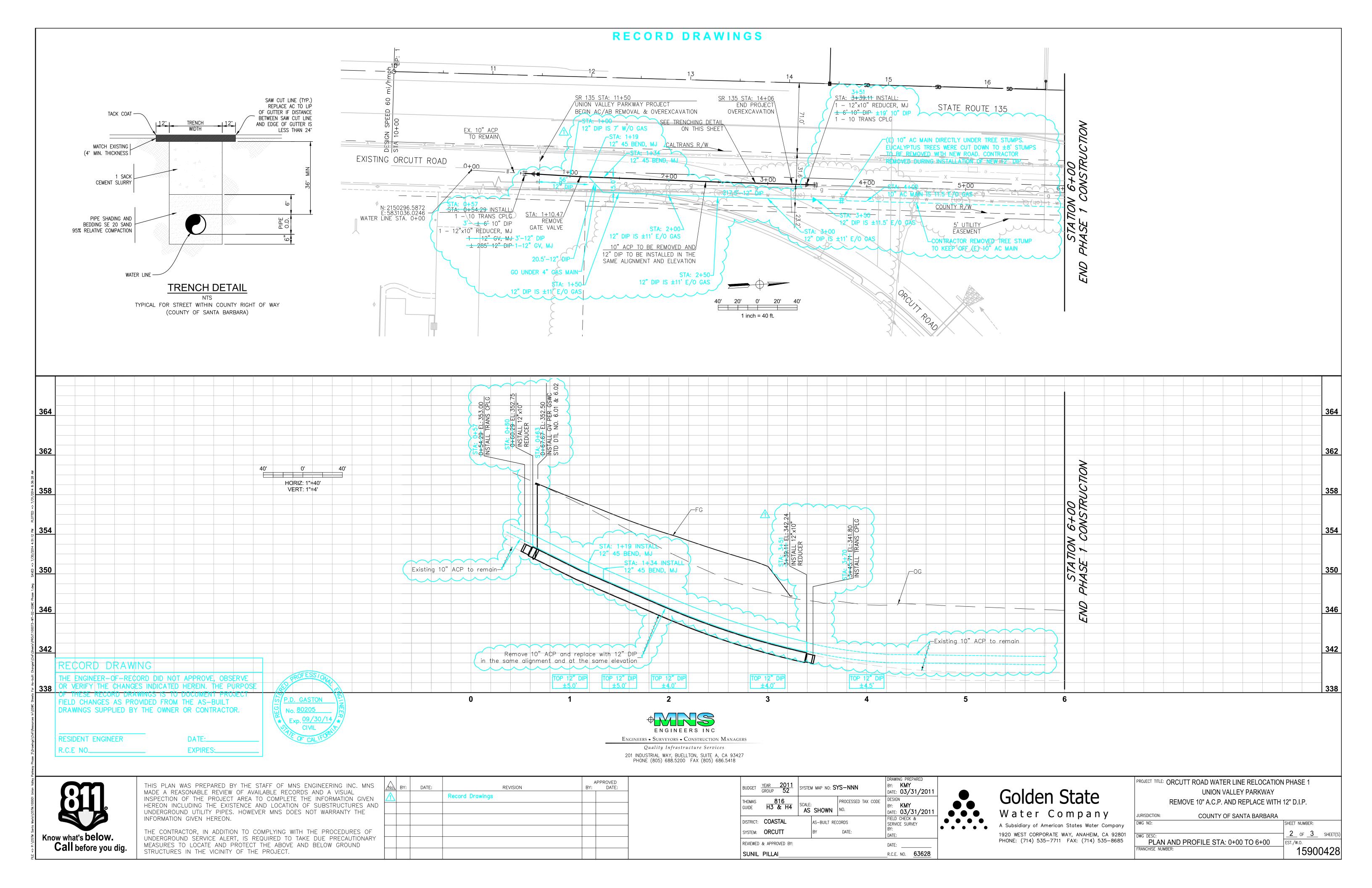


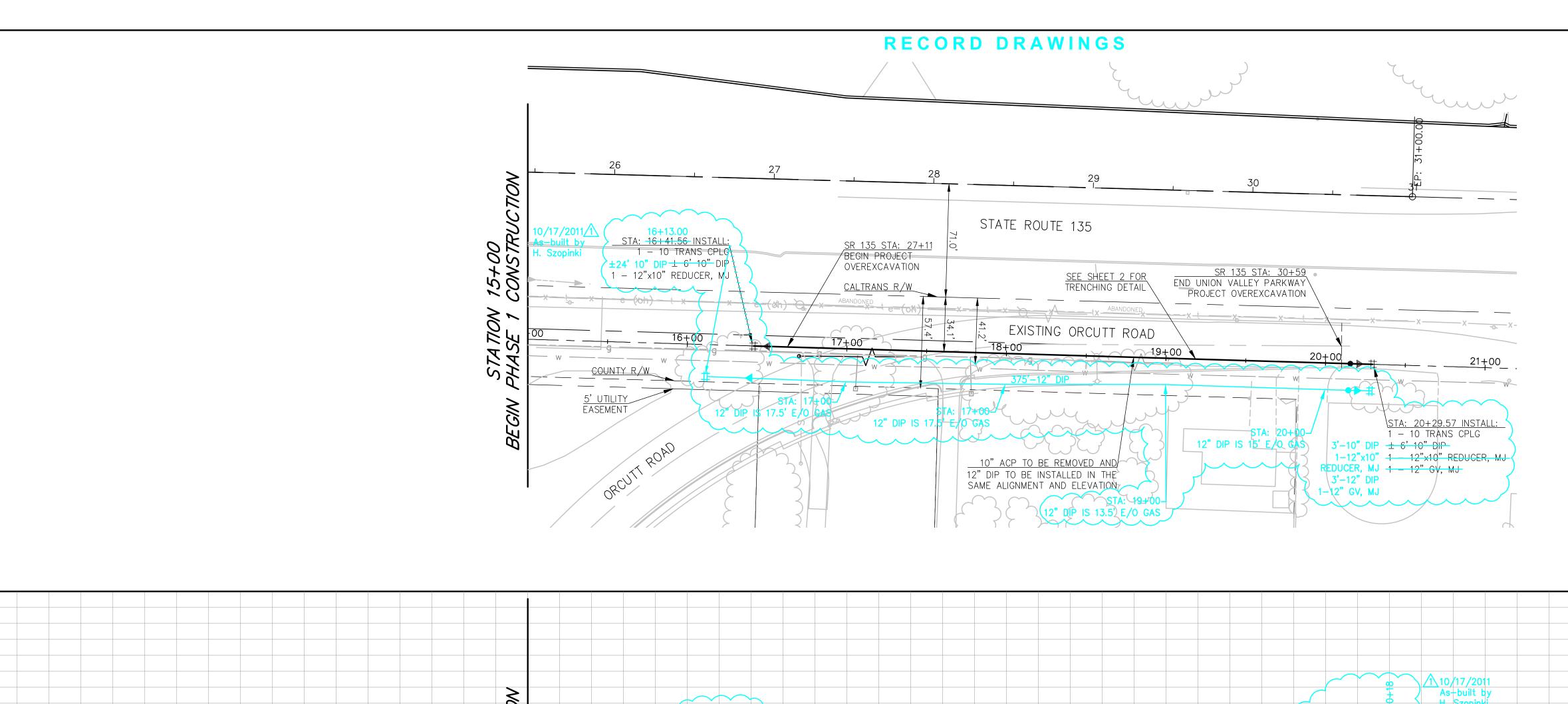
PROJECT TITLE: ORCUTT ROAD WATER LINE RELOCATION PHASE 1 UNION VALLEY PARKWAY

REMOVE 10" A.C.P. AND REPLACE WITH 12" D.I.P.

JURISDICTION: **COUNTY OF SANTA BARBARA** TITLE SHEET EST./W.O. FRANCHISE NUMBER:







PHASE 2 NOTES:

- 1. THE WATER LINE ALIGNMENT AND CORRESPONDING DIMENSIONS ARE APPROXIMATE AND BASED OFF OF FIELD AND ATLAS INFORMATION.
- 2. EXISTING WATER LINE IS ASSUMED AT 10' HORIZONTAL SEPARATION FROM EXISTING SEWER LINE
- 3. CONTRACTOR SHALL VERIFY WATER LINE LOCATION AND IMMEDIATELY NOTIFY GOLDEN STATE WATER COMPANY SHOULD WATER LINE LOCATION OR SEPARATION FROM SEWER LINE BE FOUND VARYING FROM THE ASSUMED CONDITIONS.

PROJECT TITLE: ORCUTT ROAD WATER LINE RELOCATION PHASE 1

PLAN AND PROFILE STA: 15+00 TO 20+30

JURISDICTION:

FRANCHISE NUMBER:

UNION VALLEY PARKWAY

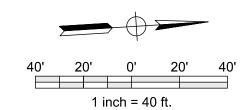
REMOVE 10" A.C.P. AND REPLACE WITH 12" D.I.P.

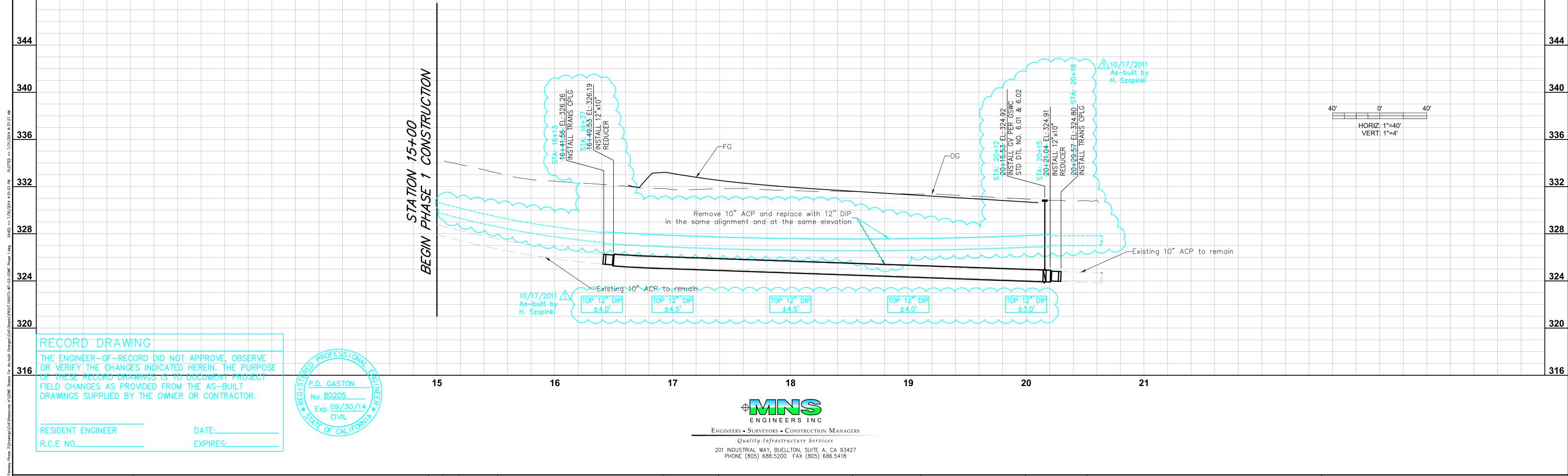
COUNTY OF SANTA BARBARA

SHEET NUMBER:

3 OF 3 SHEET(S)

15900428





 $\begin{array}{ccc} \text{BUDGET} & \underline{\text{YEAR}} & \underline{\text{2011}} \\ \text{GROUP} & \underline{\text{52}} \end{array}$

DISTRICT: COASTAL

SYSTEM: ORCUTT

SUNIL PILLAI

REVIEWED & APPROVED BY:

AS SHOWN

AS-BUILT RECORDS

DATE:

: KMY

KMY

FIELD CHECK & SERVICE SURVEY

DATE: ____

DATE: 03/31/2011

DATE: 03/31/2011

R.C.E. NO. **63628**

•••••

Golden State

Water Company

A Subsidiary of American States Water Company

1920 WEST CORPORATE WAY, ANAHEIM, CA 92801 PHONE: (714) 535-7711 FAX: (714) 535-8685

APPROVED Y: DATE:

THIS PLAN WAS PREPARED BY THE STAFF OF MNS ENGINEERING INC. MNS

INSPECTION OF THE PROJECT AREA TO COMPLETE THE INFORMATION GIVEN

THE CONTRACTOR, IN ADDITION TO COMPLYING WITH THE PROCEDURES OF

UNDERGROUND SERVICE ALERT, IS REQUIRED TO TAKE DUE PRECAUTIONARY

MEASURES TO LOCATE AND PROTECT THE ABOVE AND BELOW GROUND STRUCTURES IN THE VICINITY OF THE PROJECT.

HEREON INCLUDING THE EXISTENCE AND LOCATION OF SUBSTRUCTURES AND UNDERGROUND UTILITY PIPES. HOWEVER MNS DOES NOT WARRANTY THE

MADE A REASONABLE REVIEW OF AVAILABLE RECORDS AND A VISUAL

INFORMATION GIVEN HEREON.

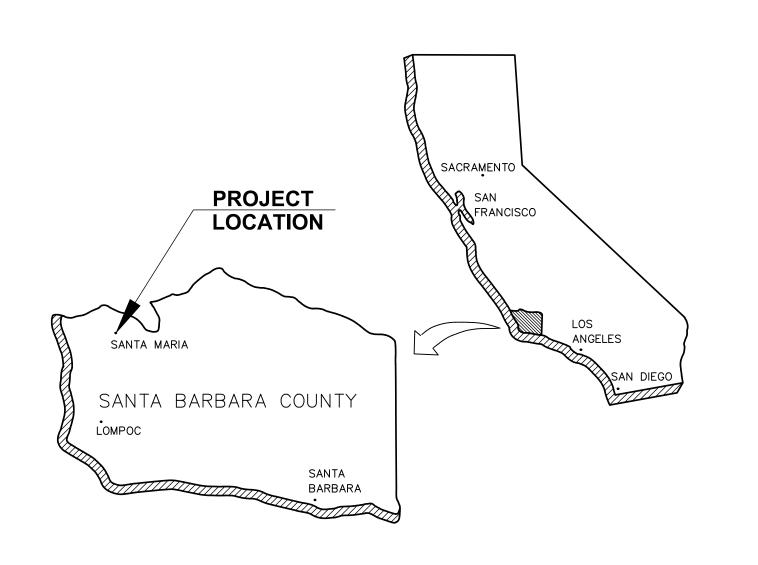
Know what's below.

Call before you dig.

DATE:

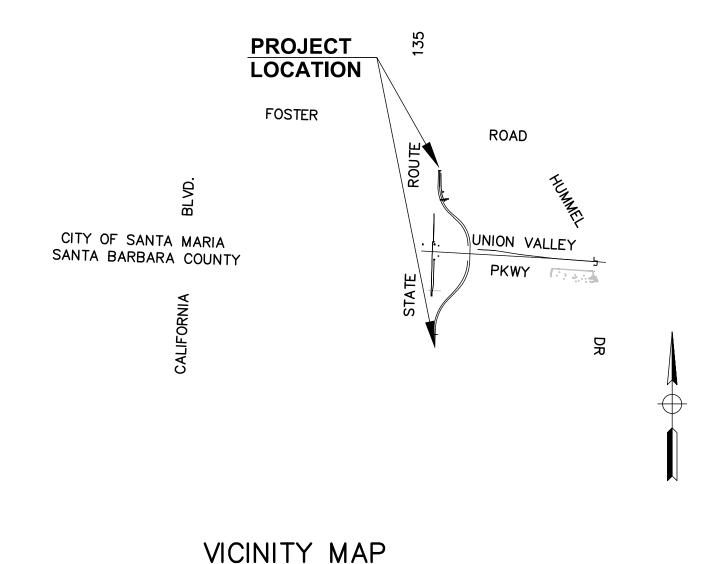
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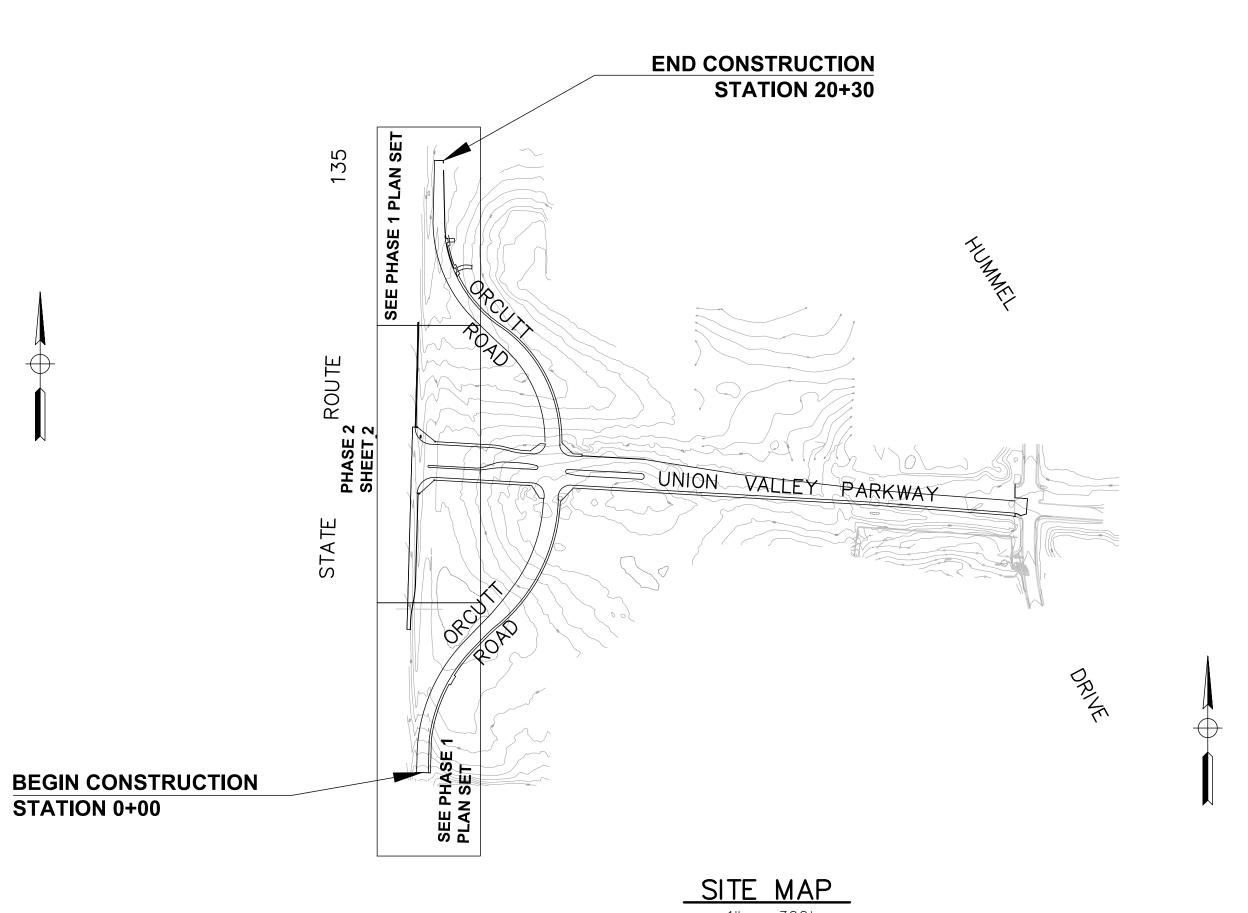
Record Drawings



Golden State Water Company A Subsidiary of American States Water Company

ORCUTT ROAD WATER LINE RELOCATION PHASE 2 EXISTING ORCUTT ROAD INTERSECTION WITH PROPOSED UNION VALLEY PARKWAY CITY OF SANTA MARIA, CALIFORNIA





RECORD DRAWING NO CHANGES.

RESIDENT ENGINEER

Know what's **below**.

Call before you dig.



STATION 0+00



ENGINEERS INC Engineers • Surveyors • Construction Managers Quality Infrastructure Services 201 INDUSTRIAL WAY, BUELLTON, SUITE A, CA 93427 PHONE (805) 688.5200 FAX (805) 686.5418

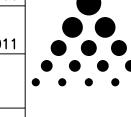
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Golden State Water Company

A Subsidiary of American States Water Company 1920 WEST CORPORATE WAY, ANAHEIM, CA 92801 PHONE: (714) 535-7711 FAX: (714) 535-8685

PROJECT PHASE NOTES:

- THE AREAS FOR PHASE 1 CONSTRUCTION ARE BETWEEN STATION 0+54 TO 3+50 AND STATION 16+40 TO 20+30 AS DETAILED ON SHEET 2 AND SHEET 3 OF THE ORCUTT ROAD WATER LINE RELOCATION PHASE 1 PLAN SET. PHASE 1 IS TO BE CONSTRUCTED BY THE GOLDEN STATE WATER CONTRACTOR PRIOR TO CONSTRUCTION OF THE UNION VALLEY PARKWAY PROJECT.
- PHASE 2 CONSTRUCTION IS BETWEEN STATION 8+19 AND 13+02 AS DETAILED ON SHEET 2 OF THIS PLAN SET. PHASE 2 IS TO BE CONSTRUCTED BY THE CITY OF SANTA MARIA CONTRACTOR DURING THE CONSTRUCTION OF THE UNION VALLEY PARKWAY PROJECT.

GENERAL NOTES:

- THIS PLAN WAS PREPARED BY THE STAFF OF MNS ENGINEERS, INC. MNS MADE A REASONABLE REVIEW OF AVAILABLE RECORDS AND A VISUAL INSPECTION OF THE PROJECT AREA TO COMPLETE THE INFORMATION GIVEN HEREON INCLUDING THE EXISTENCE AND LOCATION OF SUBSTRUCTURES AND UNDERGROUND UTILITY PIPES. HOWEVER MNS DOES NOT WARRANTY THE INFORMATION GIVEN HEREON.
- THE CONTRACTOR, IN ADDITION TO COMPLYING WITH THE PROCEDURE OF UNDERGROUND SERVICE ALERT, IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT THE ABOVE AND BELOW GROUND STRUCTURES IN THE VICINITY OF THE PROJECT.
- 3. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH GSWC'S GENERAL CONDITIONS, STANDARD SPECIFICATIONS AND THE PROJECT'S SUPPLEMENTAL SPECIFICATIONS.
- 4. WORKING HOURS SHALL BE 7AM TO 4PM MONDAY THROUGH FRIDAY.
- 5. SHUT DOWN FOR THE TIE-INS SHALL BE SCHEDULED FOR AFTER HOURS.
- 6. TRENCHING, BACKFILL, AND PAVING SHALL BE AS PER THE REQUIREMENTS OF THE COUNTY OF SANTA BARBARA.
- 7. TRAFFIC CONTROL SHALL BE ACCORDING TO THE LATEST EDITION OF THE CALIFORNIA M.U.T.C.D. OR AS DIRECTED BY THE SANTA BARBARA COUNTY ROAD DIVISION INSPECTOR.
- 8. CONTRACTOR SHALL OBTAIN A SANTA BARBARA COUNTY ENCROACHMENT PERMIT PRIOR TO CONSTRUCTION AND ALL WORK SHALL BE IN ACCORDANCE WITH THOSE REQUIREMENTS AND TO THE SATISFACTION OF THE CITY ENGINEER.
- 9. FIVE DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH GSWC AND CITY OF SANTA MARIA AND COUNTY OF SANTA BARBARA REPRESENTATIVES. CONTACT COUNTY OF SANTA BARBARA ROAD DIVISION AT 805-681-4991. CONTACT CITY OF SANTA MARIA PUBLIC WORKS DIVISION AT 805-925-0951.
- 10. CONTRACTOR TO VERIFY ALL SUBSTRUCTURES AND CALL THE APPLICABLE UNDERGROUND SERVICE ALERT ORGANIZATION AT LEAST 2 DAYS BEFORE DIGGING.
- 11. ALL UTILITY INVERTS SHALL BE INSTALLED WITH AN AIR & VACUUM RELEASE VALVE PER GSWC STANDARD.
- 12. PAVEMENT CUTTING, PAVEMENT REPLACEMENT AND SEAL SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF COUNTY OF SANTA BARBARA STANDARD CONSTRUCTION SPECIFICATIONS.
- 13. THE REMOVAL AND DISPOSAL OF AC PIPE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH GSWC SPECIFICATIONS 1012-SPECIAL CONDITIONS, SECTION 1.13.
- 14. COVER ON THE WATER LINE SHALL BE 36" MINIMUM FROM FINISHED GRADE PER GSWC STANDARD.
- 15. ELEVATIONS CALLED OUT ARE TO THE TOP OF PIPE.
- 16. ALL WORK SHALL REMAIN WITHIN SANTA BARBARA COUNTY RIGHT OF WAY OR EXISTING UTILITY EASEMENT AS SHOWN ON THE PLANS. NO PORTION OF WATER LINE, THRUST BLOCK, OR OTHER APPURTENANCES SHALL EXTEND BEYOND THOSE LIMITS.

ABBREVIATIONS:

ACP ASBESTOS CEMENT PIPE CMP CORRUGATED METAL PIPE CPLG COUPLING DIP DUCTILE IRON PIPE FG FINISHED GRADE GV GATE VALVE MJ MECHANICAL JOINT OG ORIGINAL GROUND RCP REINFORCED CONCRETE PIPE

R/W RIGHT OF WAY

LEGEND:

- PROPOSED GATE VALVE
- ▲ PROPOSED REDUCER
- † PROPOSED AIR RELEASE VALVE
- # PROPOSED COUPLING

PROJECT TITLE: ORCUTT ROAD WATER LINE RELOCATION PHASE 2 UNION VALLEY PARKWAY

REMOVE 10" A.C.P. AND REPLACE WITH 12" D.I.P. COUNTY OF SANTA BARBARA

JURISDICTION: $\underline{1}$ of $\underline{2}$ sheet(s) TITLE SHEET EST./W.O. FRANCHISE NUMBER: 15900428

