



## **PUBLIC WORKS DEPARTMENT**

Engineering Division

303 West Commonwealth Avenue, Fullerton, CA 92832-1775

Telephone: 714-738-6845

Website: [www.cityoffullerton.com](http://www.cityoffullerton.com)

**6/19/2024**

### **ORANGETHORPE AVE – STATE COLLEGE TO PLACENTIA PROJECT NO. 44062**

#### **ADDENDUM NO. 1**

**TO: ALL PLAN AND SPECIFICATION HOLDERS**

THIS ADDENDUM, AS DESCRIBED BELOW, IS FOR USE OF CONTRACTORS AND SUBCONTRACTORS SUBMITTING BIDS ON THIS PROJECT. ALL BIDDERS SHALL INDICATE ON THE BID PROPOSAL FORM THAT THEY HAVE RECEIVED THIS ADDENDUM.

#### **CHANGES TO THE BID DOCUMENTS AND PLANS:**

1. Replace pages BD-16-18 Bid Proposal with the attached.

Document revised quantities.

2. Replace Plans with the attached.

Proposed manhole depth shown, gutter transition detail included, miscellaneous drafting corrections.

**END OF ADDENDUM**

**BID PROPOSAL**  
**ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS**  
**STATE COLLEGE BOULEVARD TO PLACENTIA AVENUE**  
**PROJECT NO. 44062**

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1		
2	WATER POLLUTION CONTROL	LS	1		
3	TRAFFIC CONTROL	LS	1		
4	INSTALL 12" PVC WATER PIPE	LF	1,720		
5	INSTALL 10" PVC WATER PIPE	LF	20		
6	INSTALL 8" PVC WATER PIPE	LF	30		
7	INSTALL 12" PVC WATER PIPE (E ORANGETHORPE AVE STATION 9+00 TO 12+18)	LF	320		
8	INSTALL 12" PVC WATER PIPE (S STATE COLLEGE BLVD STATION 8+78 TO 9+00, 9+85 TO 10+70)	LF	110		
9	INSTALL 10" PVC WATER PIPE (S STATE COLLEGE BLVD STATION 10+70 TO 10+95)	LF	30		
10	INSTALL 12" WATER GATE VALVE ASSEMBLY	EA	6		
11	INSTALL 10" WATER GATE VALVE ASSEMBLY	EA	1		
12	INSTALL 8" WATER GATE VALVE ASSEMBLY	EA	1		
13	INSTALL 1" WATER SERVICE	EA	3		
14	INSTALL 2" WATER SERVICE	EA	3		
15	REMOVE EXISTING WATER METER BOX	EA	7		
16	INSTALL 1" COMBINATION AIR RELEASE VALVE ASSEMBLY	EA	1		
17	INSTALL FIRE HYDRANT ASSEMBLY (STEAMER TYPE)	EA	7		
18	ABANDON EXISTING WATER VALVE ASSEMBLY	EA	13		
19	REMOVE EXISTING FIRE HYDRANT ASSEMBLY	EA	6		
20	REMOVE INTERFERING PORTIONS OF REINFORCED CONCRETE PIPE	LF	60		
21	6" AC PAVEMENT (WATER TRENCH)	TON	200		
22	CONSTRUCT SEWER MANHOLE	EA	1		
23	ROADWAY EXCAVATION	CY	7,300		

**TO BE SUBMITTED WITH BID**

BD-16

**BID PROPOSAL**  
**ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS**  
**STATE COLLEGE BOULEVARD TO PLACENTIA AVENUE**  
**PROJECT NO. 44062**

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
24	COLD MILL (2")	SF	86,061		
25	COLD MILL (4")	SF	33,500		
26	AGGREGATE BASE	TON	10,000		
27	ASPHALT CONCRETE - BASE COURSE	TON	4,200		
28	ASPHALT RUBBERIZED HOT MIX (ARHM)	TON	3,050		
29	CURB & GUTTER (8" CF) - FULLERTON STD	LF	1,369		
30	CURB & GUTTER (8" CF) - ANAHEIM STD	LF	34		
31	SIDEWALK - FULLERTON STD	SF	7,959		
32	SIDEWALK - ANAHEIM STD	SF	1,584		
33	DRIVEWAY APPROACH (COMMERCIAL) - FULLERTON STD	SF	2,259		
34	DRIVEWAY APPROACH (COMMERCIAL) - ANAHEIM STD	SF	1,595		
35	MODIFIED ALLEY APPROACH DRIVEWAY - FULLERTON STD	SF	1,210		
36	PCC PAVEMENT (6")	SF	1,760		
37	CURB RAMP	EA	1		
38	CMU SLOUGH WALL	LF	269		
39	CURB (6"CF ) - FULLERTON STD	LF	50		
40	CURB (6"CF) - ANAHEIM STD	LF	30		
41	RECTANGULAR CONCRETE CHANNEL DRAIN , S=5'	EA	1		
42	CURB DRAIN, N=1	EA	1		
43	REMOVE ABANDONED TRAFFIC SIGNAL PULL BOX	EA	1		
44	ADJUST SEWER MANHOLE TO GRADE - FULLERTON STD	EA	12		
45	ADJUST SEWER MANHOLE TO GRADE - PLACENTIA STD	EA	2		
46	ADJUST WATER VALVE TO GRADE - FULLERTON STD	EA	15		

**TO BE SUBMITTED WITH BID**

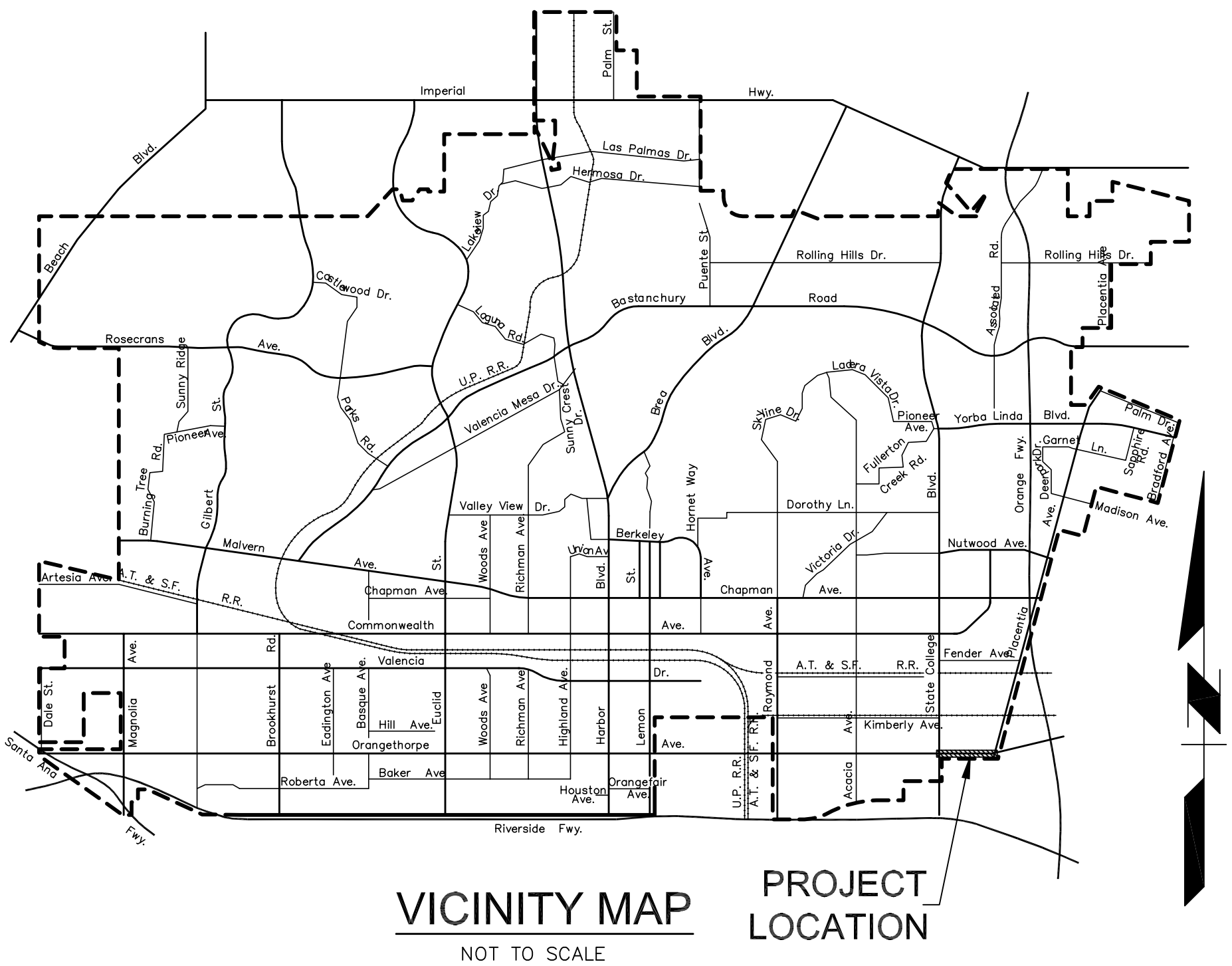
BD-17

# BID PROPOSAL

## ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS STATE COLLEGE BOULEVARD TO PLACENTIA AVENUE PROJECT NO. 44062

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
47	ADJUST WATER VALVE TO GRADE - GOLDEN STATE WATER	EA	2		
48	TRAFFIC STRIPING AND SIGNAGE	LS	1		
<b>Base Bid Total \$</b>					
<p>Unit prices are required for all bid items.</p> <p>The Bidder shall total his/her bid. Unit prices shall prevail in case amount disagrees with extension.</p> <p>Project shall be awarded on the Base Bid. If applicable, the City may elect to use Bid Alternates after award.</p> <p>Changes to either Unit Price or Amount shall be striked-out and initialed.</p> <p>Items of work not specifically listed shall be included in the bid prices for related work. For all work required and shown on the construction plans and specifications for which no specific bid item or price is listed in the bid schedule, it shall be understood that such work, equipment, labor, tools, and materials shall be provided as part of the listed bid items and no additional compensation will be paid therefor. If the City determines that any of the unit bid prices are significantly unbalanced to the potential detriment of the City, the bid may be considered non-responsive.</p> <div style="text-align: right; margin-top: 20px;"> Name _____  Signature _____  Address _____  City &amp; Zip Code _____  Phone Number _____  License _____ </div>					





VICINITY MAP PROJECT LOCATION

NOT TO SCALE

NOTICE TO CONTRACTORS

- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2018 EDITION AND THE APPLICABLE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, CITY OF FULLERTON STANDARD DRAWINGS AND THE SPECIAL PROVISIONS.
- INSPECTION BY THE CITY SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL DEVICES AT ALL TIMES IN ACCORDANCE WITH W.A.T.C.H. MANUAL (LATEST EDITION), CITY APPROVED TRAFFIC CONTROL PLANS, CITY REQUIREMENTS, PROJECT SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. ARROW BOARDS ARE REQUIRED ON ARTERIAL ROADWAYS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF TRAFFIC CONTROL PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 811 TWO WORKING DAYS PRIOR TO ANY EXCAVATION WORK.
- EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS OF PARENT UTILITY COMPANIES AND MAY NOT ACCURATELY REPRESENT THEIR ACTUAL LOCATIONS. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES. IN THE FIELD OR COORDINATE SUCH INDEPENDENT VERIFICATION WITH THE PARENT UTILITY COMPANIES AND PROVIDE THE CITY WITH THE POTHOLE INFORMATION. THE CONTRACTOR SHALL PROTECT IN PLACE OR COORDINATE WITH PARENT COMPANY FOR THE RELOCATION OF CONFLICTING UTILITIES ENCOUNTERED DURING CONSTRUCTION
- THE ENGINEER DOES NOT WARRANT THE ACCURACY OF SCALED DIMENSIONS ON ANY PLAN. ALL DIMENSIONS SHALL BE AS DESIGNATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE STARTING WORK.
- CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS PRIOR TO STARTING WORK. THE CITY SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH WORK AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY.
- THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY AND FACILITIES NOT DESIGNATED TO BE REMOVED OR MODIFIED ON THE PLANS. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY AND TOTAL EXPENSE FOR REPAIR/REPLACEMENT OF DAMAGED PROPERTY.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE EVIDENCE (PHOTOS/VIDEO) OF EXISTING CONDITIONS PRIOR TO START OF THE PROJECT TO THE CITY.
- CONTRACTOR SHALL NOT BLOCK DRIVEWAYS OR VEHICULAR TRAFFIC DURING PROCESS OF CONSTRUCTION UNLESS PRIOR APPROVAL IS GRANTED BY CITY.
- ALL UTILITY ACCESS COVERS (WATER VALVES, MANHOLES, CLEANOUTS, ETC.) SHALL REMAIN ACCESSIBLE AND FREE OF DEBRIS THROUGHOUT ALL PHASES OF THE PROJECT AND SHALL BE ADJUSTED TO GRADE WITHIN TEN (10) CALENDAR DAYS AFTER COMPLETION OF PAVING. FAILURE TO FOLLOW REQUIREMENTS IS SUBJECT TO A \$250 FINE PER CALENDAR DAY.
- CONTRACTOR SHALL VERIFY LIMITS OF CURB & GUTTER AND SIDEWALK RECONSTRUCTION WITH THE CITY.
- ALL A.C. PAVEMENT AND CONCRETE IMPROVEMENTS TO BE JOINED SHALL BE SAWCUT. CONCRETE SHALL BE SAWCUT AT NEAREST JOINT AS DIRECTED BY CITY INSPECTOR.
- STOCKPILING OF MATERIAL IS NOT ALLOWED WITHIN STREET RIGHT OF WAY.
- CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL DURING CONSTRUCTION AND MAINTENANCE PERIOD.
- CONTRACTOR IS RESPONSIBLE TO REMOVE ALL SURVEY AND DIG ALERT MARKINGS WITHIN FIVE (5) CALENDAR DAYS AFTER THE CONCLUSION OF THE WORK AS DIRECTED BY THE CITY. FAILURE TO FOLLOW REQUIREMENTS IS SUBJECT TO A \$250 FINE PER CALENDAR DAY.
- CONTRACTOR IS REQUIRED TO MAINTAIN ACCESS FOR TRASH SERVICE. IF CONSTRUCTION WILL IMPACT TRASH SERVICE, THE CONTRACTOR WILL COORDINATE WITH REPUBLIC SERVICES AT LEAST TWO WORKING DAYS PRIOR TO SCHEDULED SERVICE TO PROVIDE FOR TRASH SERVICE. IF NOT COORDINATED, THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE TRASH SERVICE.
- REMOVAL/REPAIR/MODIFICATION OF PUBLIC SIDEWALK & DRIVEWAYS SHALL ONLY BE CONSTRUCTED ON ONE SIDE OF THE STREET AT A TIME. CONTRACTOR SHALL NOT IMPACT OR CLOSE PUBLIC SIDEWALK ACCESS ON BOTH SIDES OF THE STREET AT THE SAME TIME. FAILURE TO FOLLOW REQUIREMENTS IS SUBJECT TO A \$250 FINE PER CALENDAR DAY.
- CONCRETE IMPROVEMENTS (REMOVAL, GRADING, FORMS & CONSTRUCTION) MUST BE COMPLETED WITHIN THREE (3) CONSECUTIVE WORKING DAYS. CONCRETE IMPROVEMENTS SHALL NOT BE LEFT IN PROGRESS/OPEN OVER A WEEKEND. FAILURE TO FOLLOW REQUIREMENTS IS SUBJECT TO A \$250 FINE PER CALENDAR DAY.
- CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO MAINTAIN A CURRENT CITY OF FULLERTON BUSINESS LICENSE THROUGHOUT THE DURATION OF THE PROJECT. FAILURE TO FOLLOW REQUIREMENTS IS SUBJECT TO A \$250 FINE PER CALENDAR DAY AND/OR SUSPENSION OF CITY INSPECTION.

ABBREVIATIONS

- |                                     |                       |
|-------------------------------------|-----------------------|
| AP = ANGLE POINT                    | FS = FINISHED SURFACE |
| BC = BEGIN CURVE                    | MH = MANHOLE          |
| BCR = BEGIN CURB RETURN             | INV = INVERT          |
| CF = CURB FACE                      | LIP = LIP OF GUTTER   |
| CL = CENTERLINE                     | Lt = LEFT             |
| EC = END CURVE                      | PL = PROPERTY LINE    |
| ECR = END CURB RETURN               | Rt = RIGHT            |
| EG = EXISTING GROUND/EDGE OF GUTTER | STA = STATION         |
| EX = EXISTING                       | SW = SIDEWALK         |
| FL = FLOWLINE                       | TC = TOP OF CURB      |
| FO = FIBER OPTIC                    |                       |



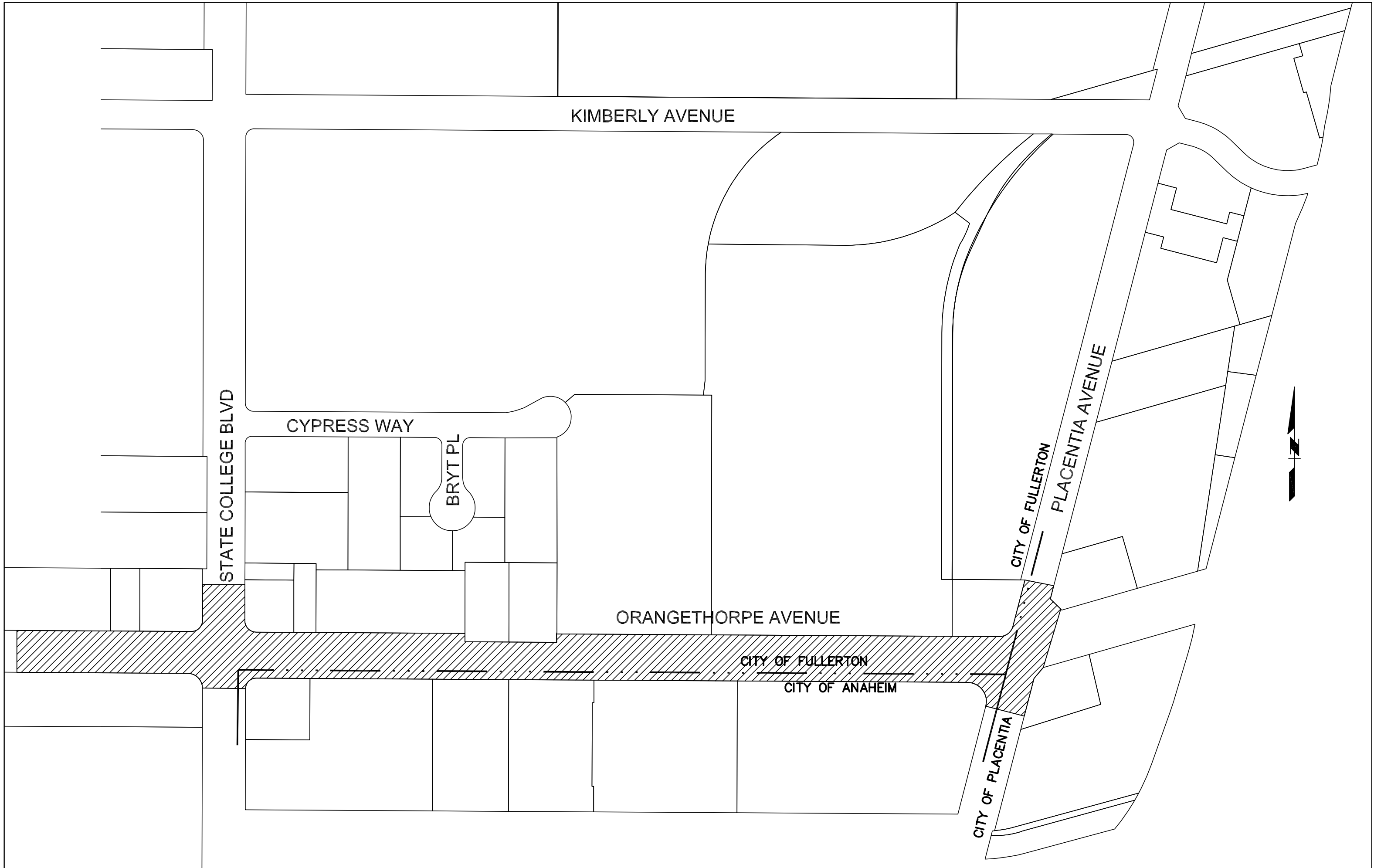
DIAL TOLL FREE 811

AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

# CITY OF FULLERTON CALIFORNIA CONSTRUCTION PLANS FOR ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS FY 2023-24

STATE COLLEGE BLVD. TO PLACENTIA AVE.  
CITY PROJECT NO. 44062



LOCATION MAP

SCALE: 1" = 150'

APPROVALS	APPROVALS	RCP2024-21676
PLACENTIA CITY ENGINEER	DATE	ANAHEIM CITY ENGINEER
		DATE

**DMS**  
CONSULTANTS, INC.  
CIVIL ENGINEERS  
12371 Lewis St., #203 Garden Grove, CA 92640 P. 714-740-8840 F. 714-740-8842

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



SIGNATURE

06/11/24  
DATE

SHEET INDEX

SHEET NO.	SHEET DESC.	FILE NO.
1	TITLE SHEET	7082
2-3	STREET CROSS SECTION AND DETAILS	7082
4	TYPICAL SECTIONS AND DETAILS	7082
5-11	WATER IMPROVEMENT PLAN	WD 1869
12-16	STREET IMPROVEMENT PLAN-ORANGETHORPE AVENUE	7082
17	STREET IMPROVEMENT PLAN-PLACENTIA AVENUE	7082
18-21	STRIPING PLAN	MISC 5381

UTILITIES LEGEND

- |            |   |
|------------|---|
| — CATV —   | EXISTING CABLE TV FACILITIES              |
| — E (OH) — | EXISTING ELECTRICAL OVERHEAD              |
| — E —      | EXISTING ELECTRICAL FACILITIES            |
| — FO —     | EXISTING FIBER OPTIC FACILITIES           |
| — G —      | EXISTING GAS PIPE (SIZE PER PLAN)         |
| — S —      | EXISTING SEWER PIPE (SIZE PER PLAN)       |
| — STLT —   | EXISTING STREET LIGHT CONDUIT             |
| — SD —     | EXISTING STORM DRAIN PIPE (SIZE PER PLAN) |
| — TS —     | EXISTING TRAFFIC SIGNAL CONDUIT           |
| — T —      | EXISTING TELEPHONE FACILITIES             |
| — W —      | EXISTING WATER PIPE (SIZE PER PLAN)       |

PROJECT CONTACTS (FULLERTON)

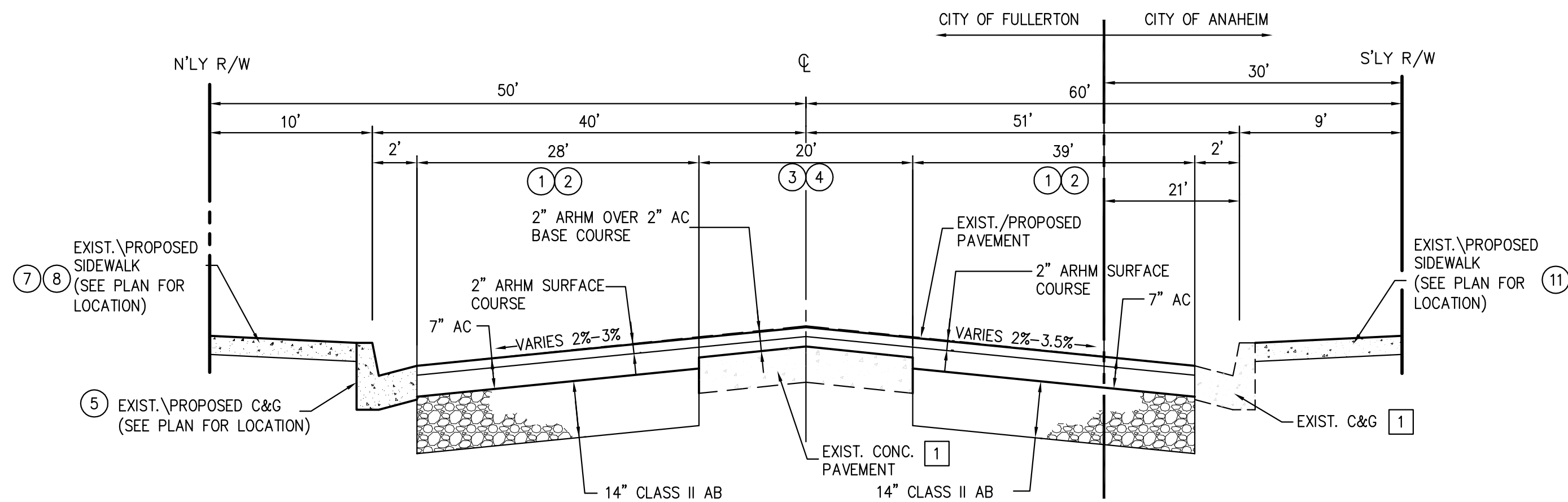
COMPANY	CONTACT	TELEPHONE NO.
CITY OF FULLERTON WATER	RICHARD ARMENDARIZ	(714) 738-5337
CITY OF FULLERTON ELECTRICAL	DANA HUFFMAN	(714) 738-6371
CITY OF FULLERTON SEWER / FACILITY	ANTHONY REYNOSO	(714) 738-2802
CITY OF FULLERTON TRAFFIC	JEFFREY CHINCHILLA	(714) 738-6899
CITY OF FULLERTON AIRPORT	BRENDAN O'REILLY	(714) 738-6323
CHARTER/SPECTRUM	ERNEST CHANG	(562) 383-9989
AT&T DISTRIBUTION	RENEE BERGERON	(714) 618-9115
SOUTHERN CALIFORNIA GAS COMPANY	FERNANDO ROJO	(213) 231-8055
SOUTHERN CALIFORNIA EDISON COMPANY	JASON VEJAR	(562) 533-5060
FIBER OPTIC FACILITIES SIFI NETWORKS	JORDAN HARRIS	(310) 895-8809
ORANGE COUNTY SANITATION DISTRICT	ADRIAN SIEW	(714) 593-7164
M.W.D. SYSTEM PROTECTION OFFICE		(714) 577-5084

PROJECT CONTACTS (ANAHEIM)

COMPANY	CONTACT	TELEPHONE NO.
CITY OF ANAHEIM WATER	STEWART NOBLE	(714) 765-4591
CITY OF ANAHEIM ELECTRICAL	JEFF ROBINSON	(714) 765-6873
CITY OF ANAHEIM CONSTRUCTION SERVICES	JOSE CORTEZ	(714) 765-5039
CITY OF ANAHEIM CONSTRUCTION INSPECTION SERVICES	SCOTT YANAGIHARA	(714) 765-5176 EXT 5059

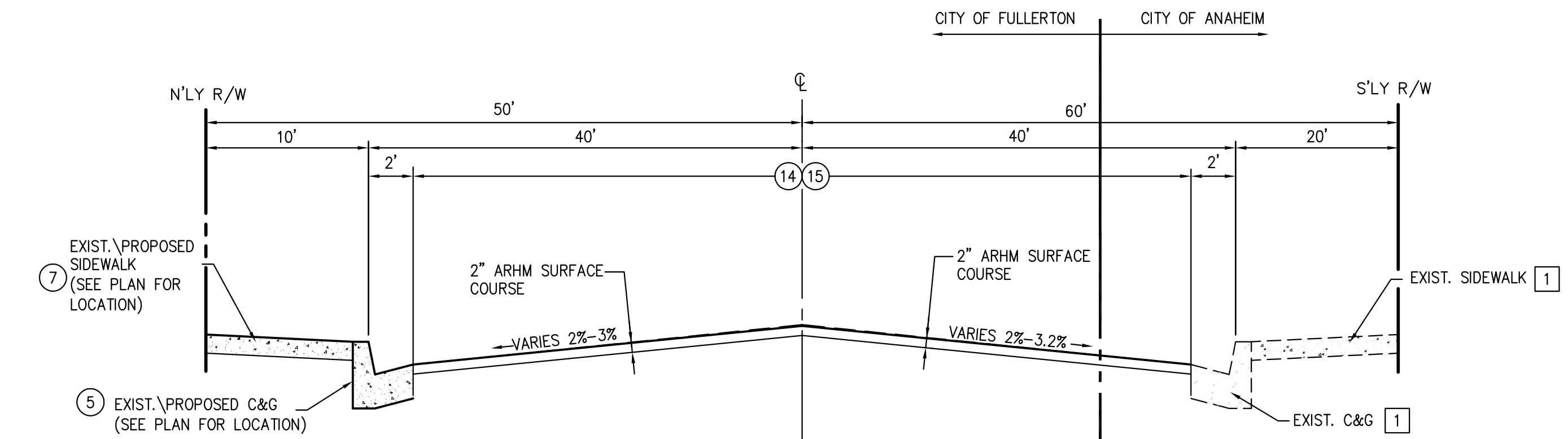
CITY OF FULLERTON PUBLIC WORKS DEPARTMENT

ACCEPTED:	PUBLIC WORKS DIRECTOR	DATE:
APPROVED:	CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR	DATE:
		SHEET 1 OF 21 SHEETS
		FILE: 7082



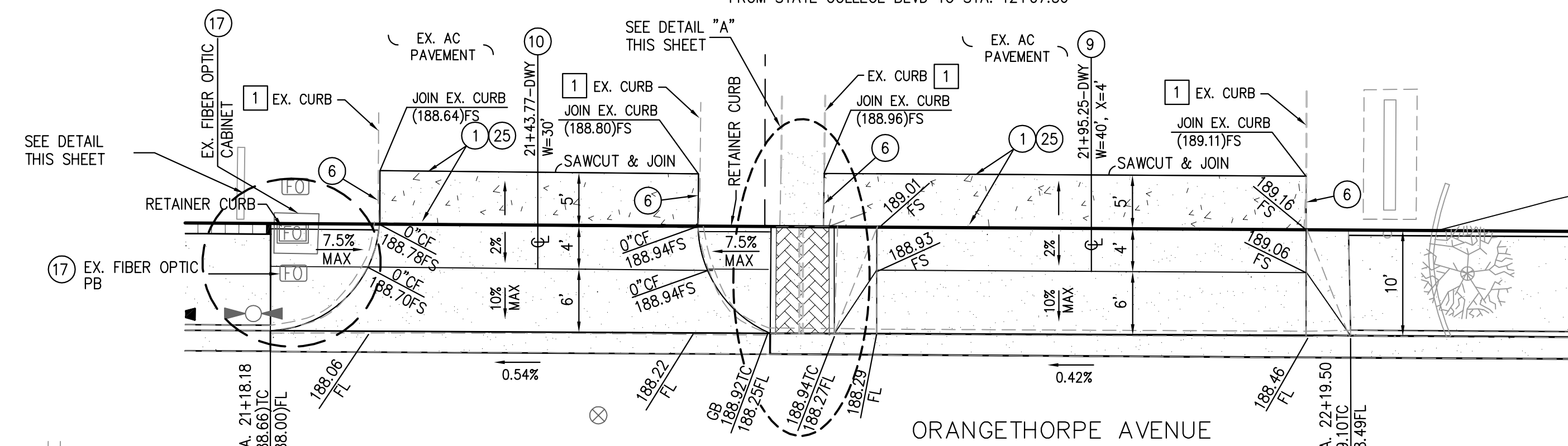
ORANGETHORPE AVE-TYPICAL SECTION (NTS)

FROM STA. 12+07.36 TO PLACENTIA AVE

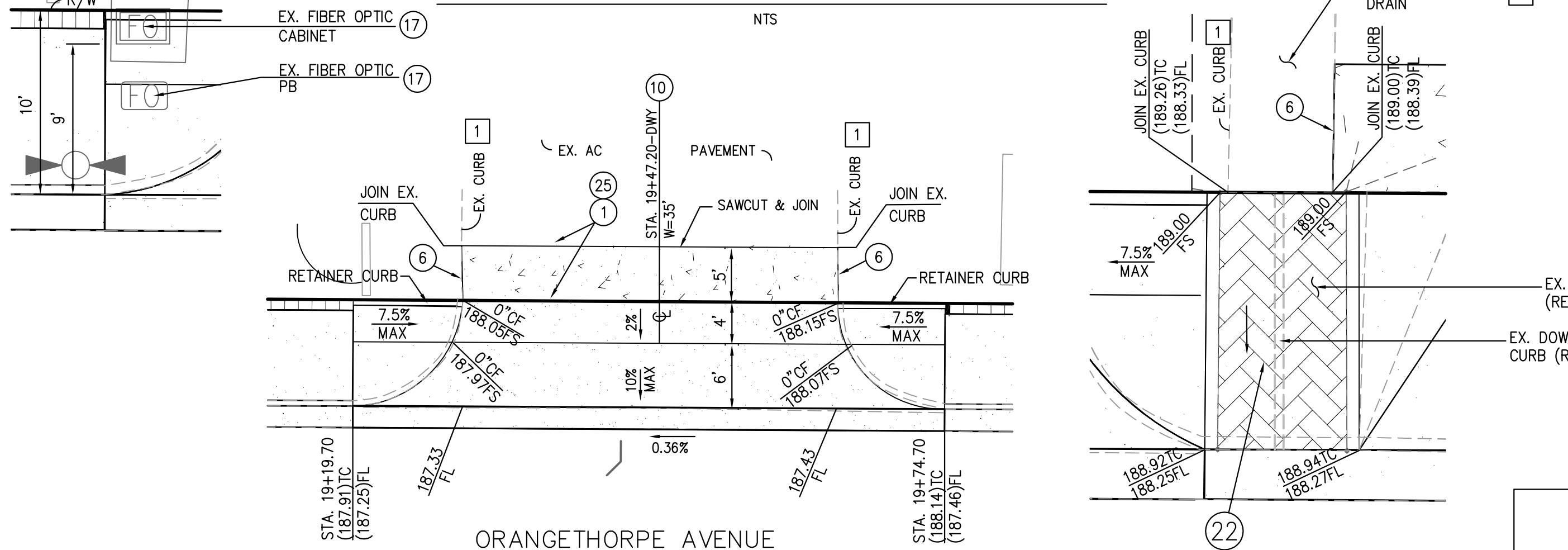


ORANGETHORPE AVE-TYPICAL SECTION (NTS)

FROM STA. 04+50.00 TO STATE COLLEGE BLVD INTERSECTION  
FROM STATE COLLEGE BLVD TO STA. 12+07.36



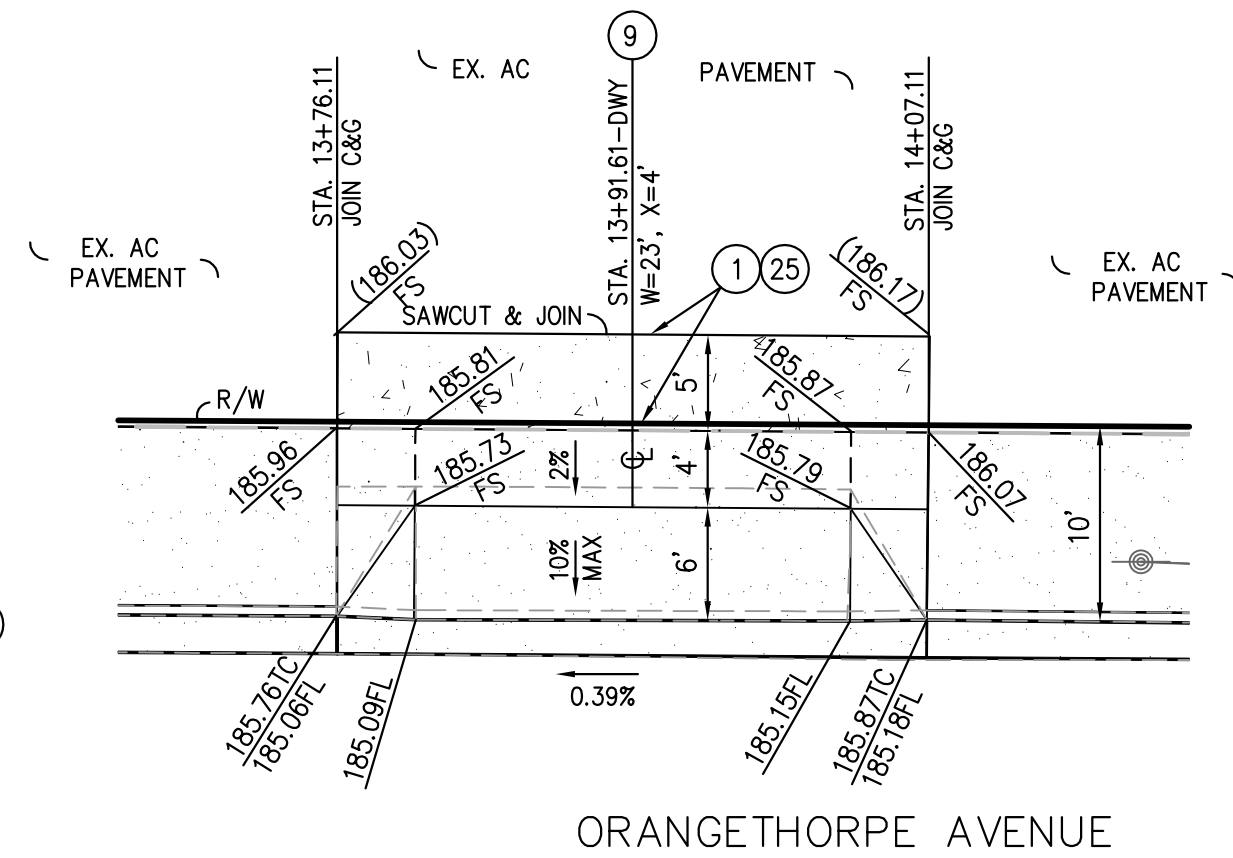
DRIVEWAY DETAIL - STA. 21+43.77 & 21+95.25



ORANGETHORPE AVENUE

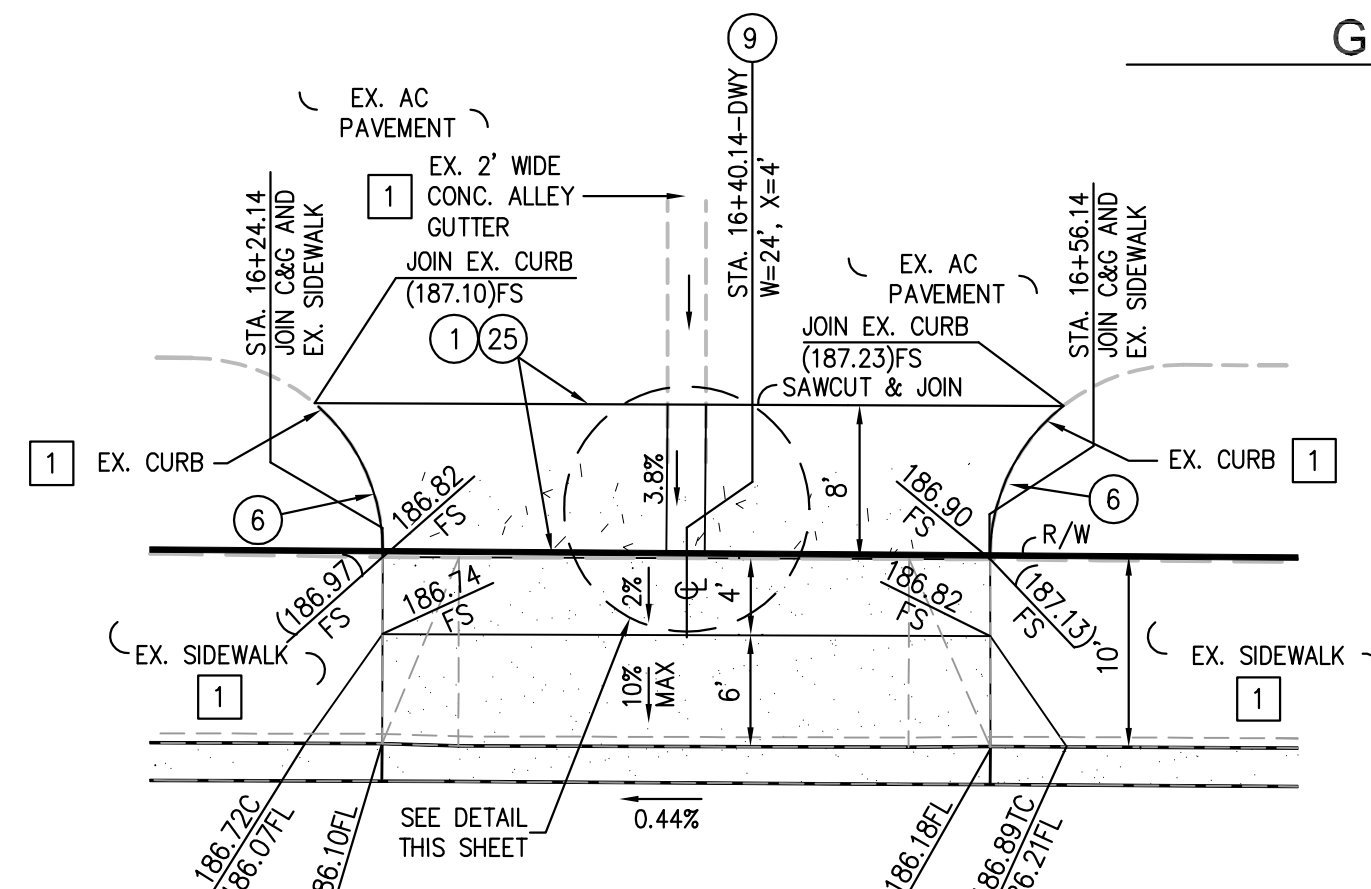
DRIVEWAY DETAIL-STA. 19+47.20

PARKWAY DRAIN DETAIL "A"



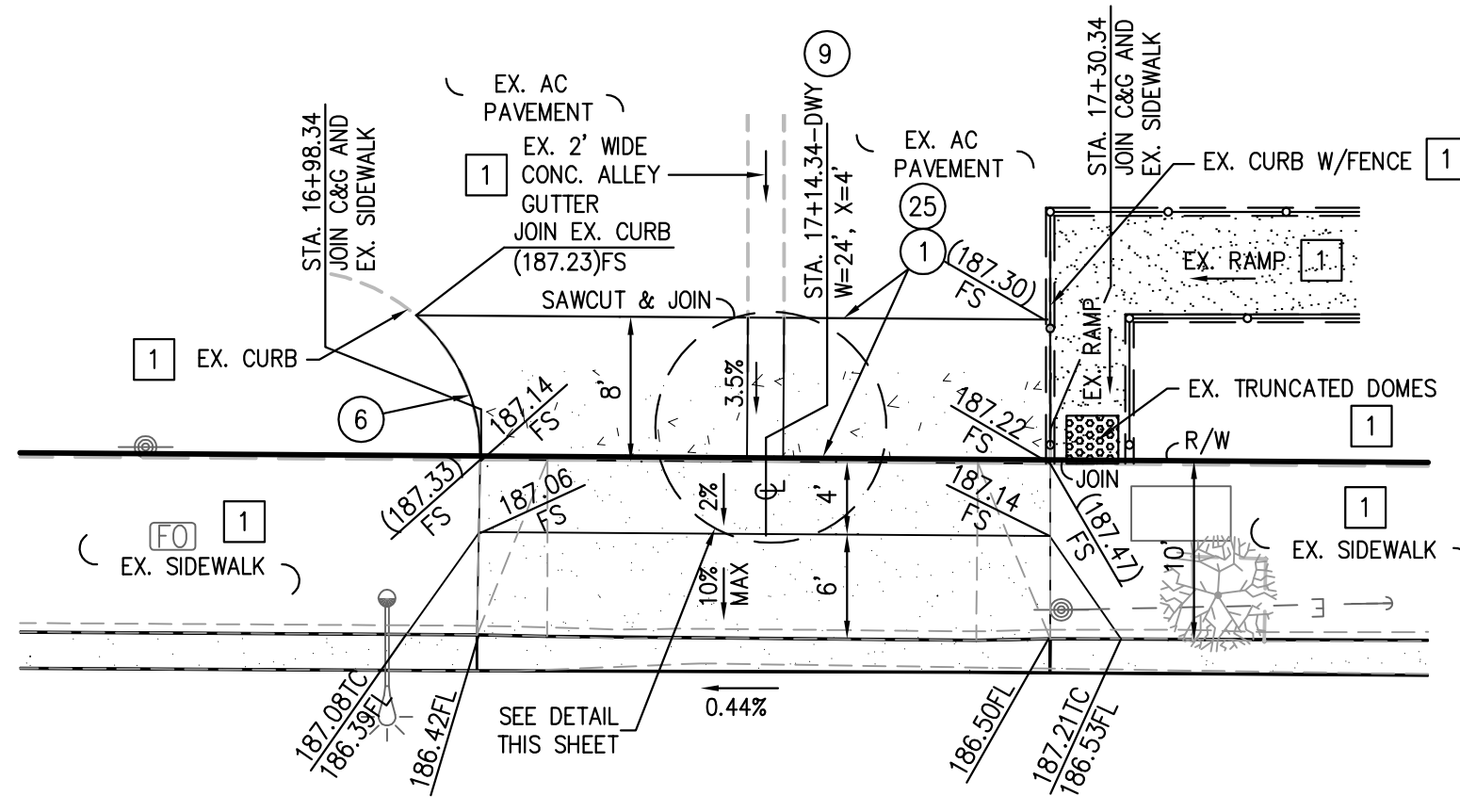
DRIVEWAY DETAIL-STA. 13+91.61

NTS



DRIVEWAY DETAIL-STA. 16+40.14

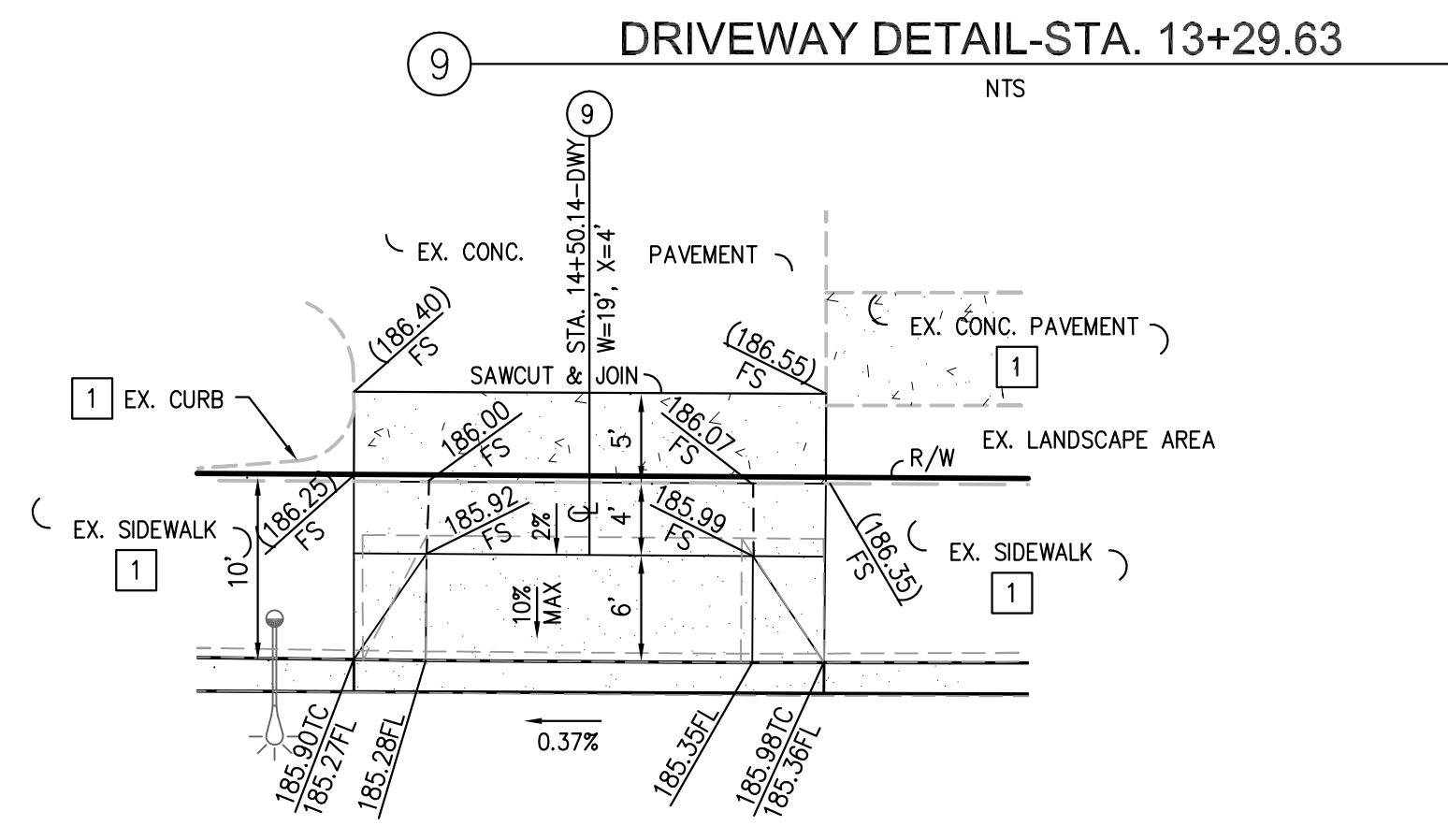
NTS



ORANGETHORPE AVENUE

DRIVEWAY DETAIL-STA. 17+14.34

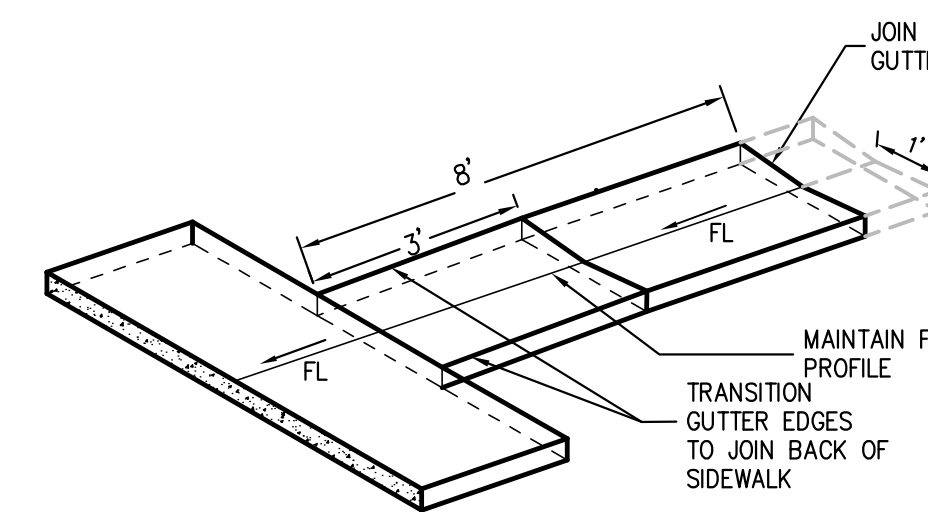
NTS



ORANGETHORPE AVENUE

DRIVEWAY DETAIL-STA. 14+50.14

NTS



GUTTER TRANSITION DETAIL

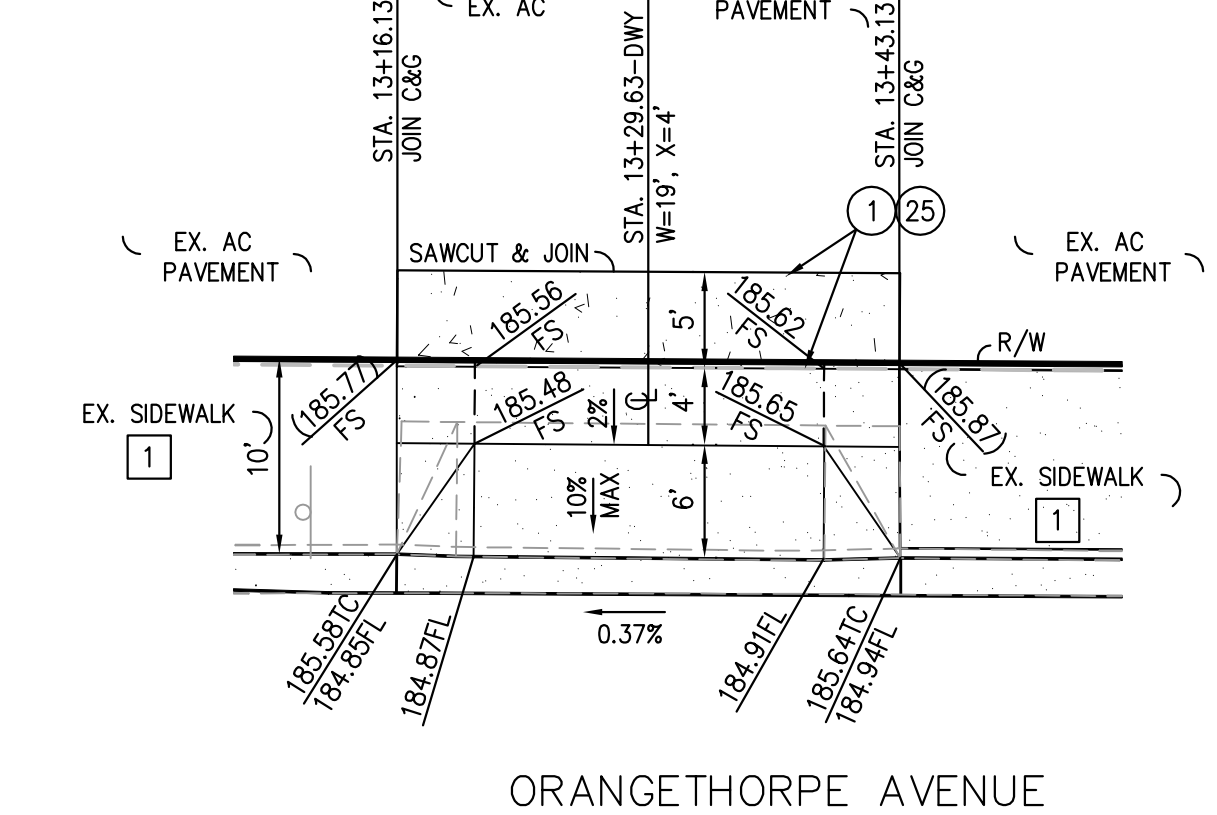
NTS

### CONSTRUCTION NOTES

- EXCAVATE FOR PROPOSED STRUCTURAL SECTION AND IMPROVEMENTS.
- CONSTRUCT 7" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER 14" CLASS II AB.
- COLD MILL 4" THICK EXISTING AC PAVEMENT.
- CONSTRUCT 4" AC, INCLUDES 2" THICK ARHM SURFACE COURSE.
- REMOVE AND RECONSTRUCT CURB & GUTTER PER CITY OF FULLERTON STD PLAN NO. 120, TYPE A. (VARIABLE CF) TO MATCH EXIST. TOP OF CURB.
- CONSTRUCT CURB PER CITY OF FULLERTON STD PLAN NO. 120, TYPE B-1 (6"CF).
- REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- CONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- REMOVE AND RECONSTRUCT DRIVEWAY APPROACH (COMMERCIAL) PER CITY OF FULLERTON STD PLAN 121-2. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- REMOVE AND RECONSTRUCT MODIFIED ALLEY APPROACH DRIVEWAY PER CITY OF FULLERTON STD PLAN 121-3. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- COLD MILL 2" THICK EXISTING AC PAVEMENT.
- CONSTRUCT 2" THICK ARHM OVERLAY.
- ADJUST EXIST. FIBER OPTIC PULL BOX TO GRADE AND RELOCATE EXIST. FIBER OPTIC CABINET(BY OTHERS).
- REMOVE EXISTING RECTANGULAR CONCRETE CHANNEL DRAIN, STEEL PLATE AND RECONSTRUCT PARKWAY CULVERT-TYPE B, PER CITY OF FULLERTON STD PLAN 128, S=5.
- CONSTRUCT 6" PCC OVER NATIVE. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.

### DISPOSITION NOTE

- PROTECT IN PLACE



ORANGETHORPE AVENUE

DRIVEWAY DETAIL-STA. 13+29.63

NTS

**DMS**  
CONSULTANTS, INC.  
CIVIL ENGINEERS  
12371 Lewis St., #203 Garden Grove, CA 92640 P: 714-740-8840 F: 714-740-8842

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



DATE 06/11/24

REVISIONS			INITIALS	DATE
NUMBER	DESCRIPTION	DATE	NC	04/24
1	DESIGNED		SD	04/24
2	REVIEWED			
3	STREET			
4	SEWER			
5	DRAINAGE			
6	WATER			
7	TRAFFIC			
8	UTILITY/ELEC			
9	LANDSCAPE			
10	FACILITIES			
11	GENERAL ENG			
12	DESIGN ENG			
13	INSPECTION			
14	PARKS & REC			
15	AS-BUILT			

### CITY OF FULLERTON PUBLIC WORKS DEPARTMENT

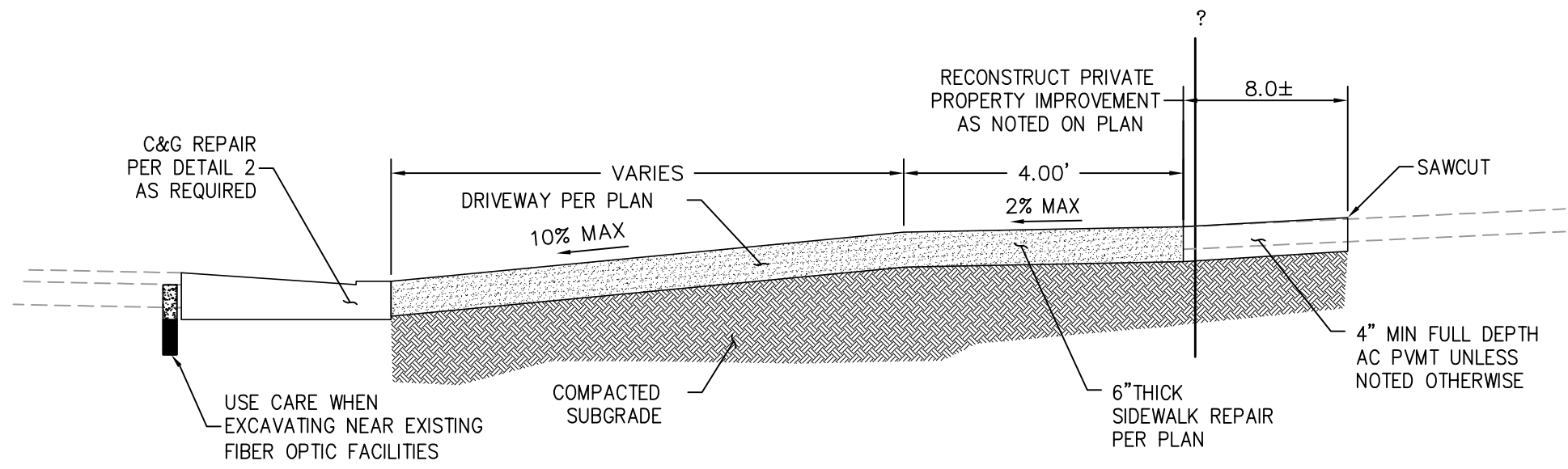
ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

### STREET CROSS SECTION AND DETAILS

APPROVED:	ACCEPTED:
DATE	DATE
CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR	PUBLIC WORKS DIRECTOR
SCALE: 1" = 20'	SHEET 2 of 21 SHEETS
CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90'	FILE: 7082
B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E. CURB OF RAYMOND, 1" N. OF E.C.B.	

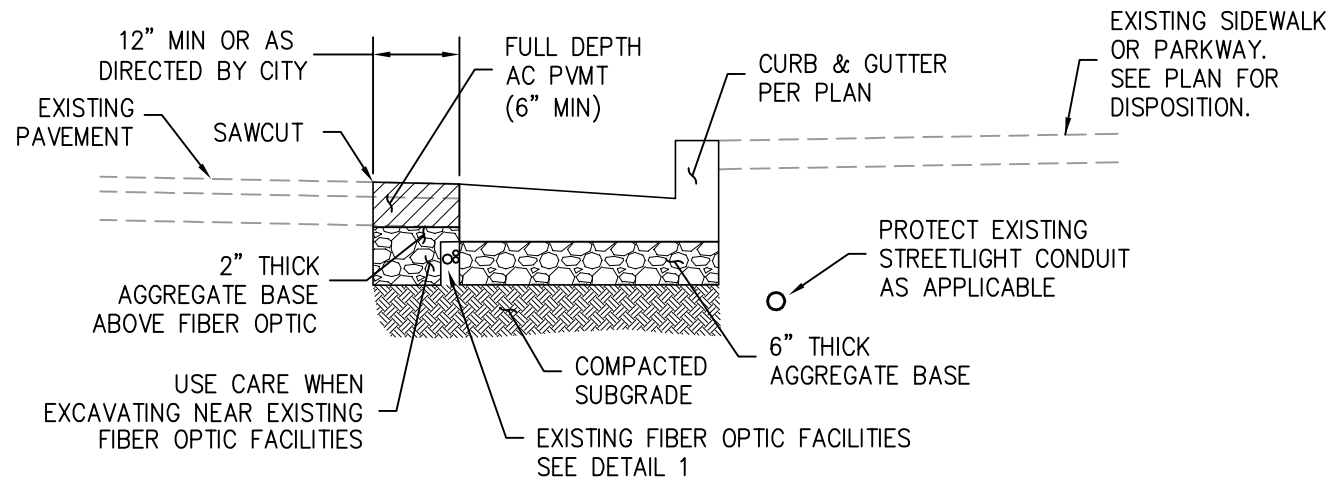






TYPICAL DRIVEWAY & SIDEWALK REPAIR

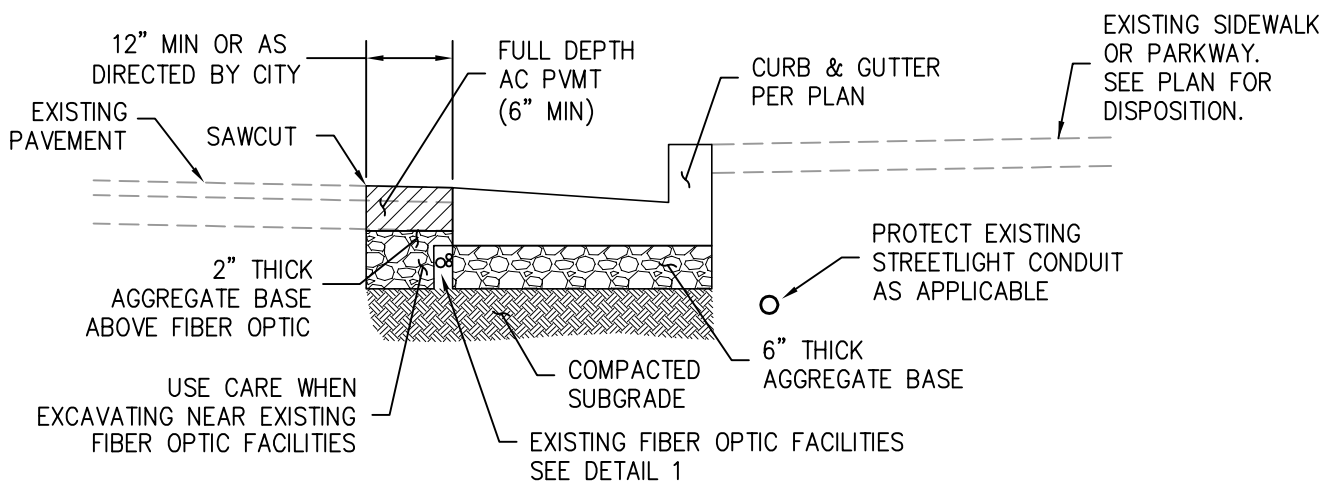
NO SCALE  
SEE CITY STD 121 FOR ADDITIONAL INFORMATION



TYPICAL CURB & GUTTER REPAIR

NO SCALE  
SEE CITY STD 120 FOR ADDITIONAL INFORMATION

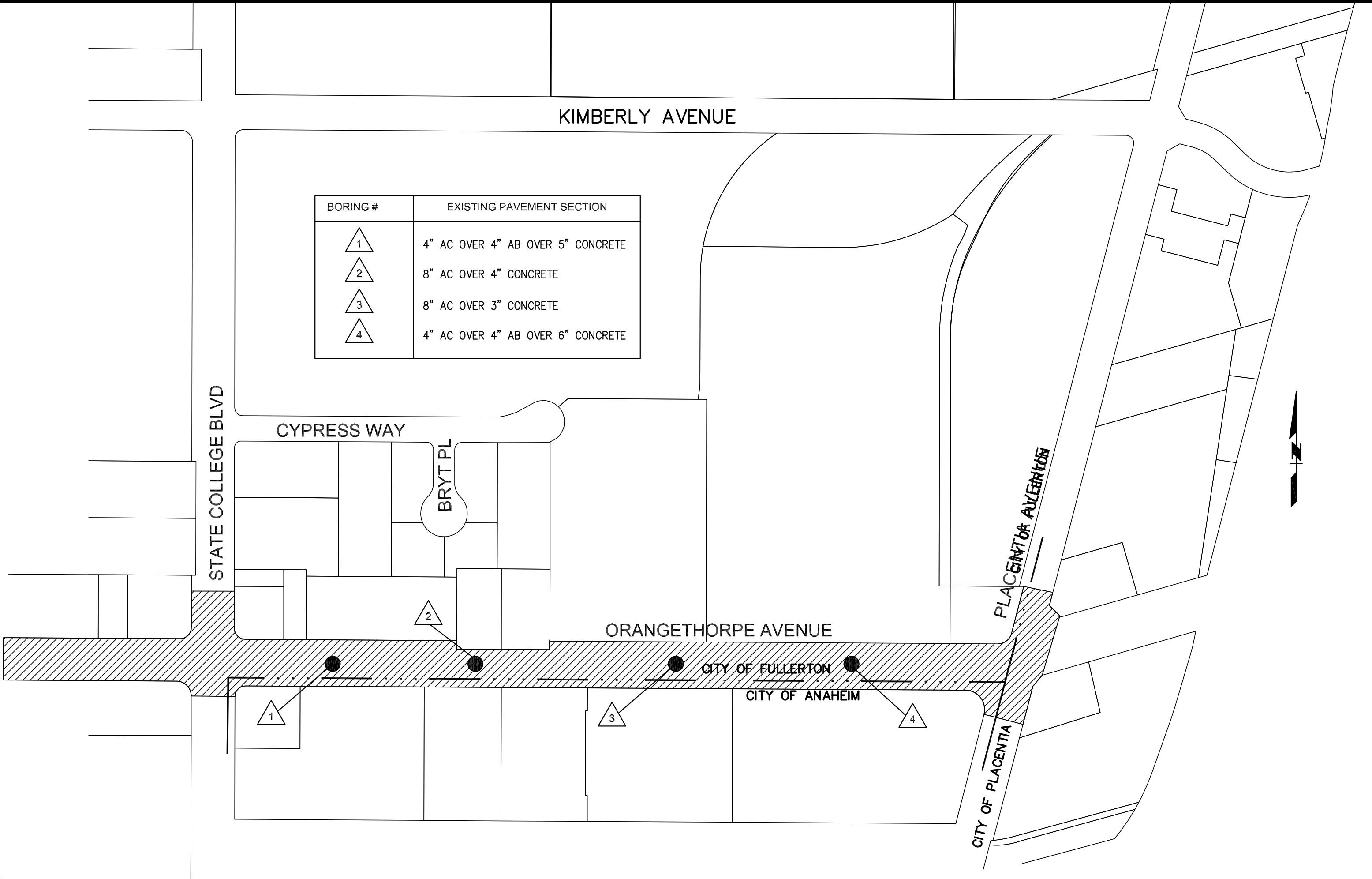
- NOTE:
1. CURB AND GUTTER MUST BE REPAIRED WITHIN 2 CALENDAR DAYS OF DEMOLITION.
  2. FIBER OPTIC UTILITY OWNER MUST BE GRANTED ACCESS TO PERFORM REPAIRS, IF NEEDED, BEFORE AC PATCH IS PLACED.
  3. CONNECT AND EXTEND EXISTING CURB DRAIN TO FACE OF CURB WHERE APPLICABLE.



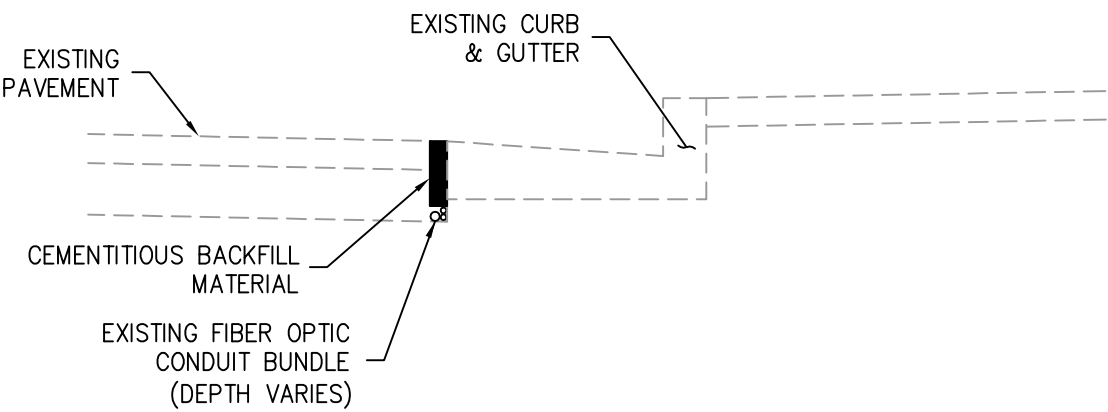
TYPICAL CURB & GUTTER REPAIR

NO SCALE  
SEE CITY STD 120 FOR ADDITIONAL INFORMATION

- NOTE:
1. CURB AND GUTTER MUST BE REPAIRED WITHIN 2 CALENDAR DAYS OF DEMOLITION.
  2. FIBER OPTIC UTILITY OWNER MUST BE GRANTED ACCESS TO PERFORM REPAIRS, IF NEEDED, BEFORE AC PATCH IS PLACED.
  3. CONNECT AND EXTEND EXISTING CURB DRAIN TO FACE OF CURB WHERE APPLICABLE.



BORING #	EXISTING PAVEMENT SECTION
1	4" AC OVER 4" AB OVER 5" CONCRETE
2	8" AC OVER 4" CONCRETE
3	8" AC OVER 3" CONCRETE
4	4" AC OVER 4" AB OVER 6" CONCRETE



TYPICAL EXISTING FIBER OPTIC CONDITIONS

NO SCALE

FIBER OPTIC NOTES

1. FIBER OPTIC FACILITIES HAVE BEEN INSTALLED WITHIN THE PROJECT LIMITS.
2. FACILITY IS GENERALLY LOCATED ADJACENT TO THE LIP OF THE GUTTER AND SHOULD HAVE APPROXIMATELY 8" OF COVER.
3. FACILITIES CONTAIN MULTIPLE LOOSE SMALL CONDUITS AND ARE BACKFILLED WITH CEMENTITIOUS MATERIAL THAT CAN STICK TO THE CONDUITS AND GUTTER.
4. CONTRACTOR SHALL TAKE CARE TO PROTECT THE FIBER OPTIC FACILITIES DURING CONSTRUCTION ACTIVITIES.
5. SHOULD THE FACILITIES BE DAMAGED, THE UTILITY OWNER WILL BE RESPONSIBLE TO REPAIR THE DAMAGE AND THE COSTS ASSOCIATED WITH THE REPAIRS. CONTRACTOR SHALL PROVIDE ACCESS TO THE UTILITY OWNER TO MAKE REPAIRS.
6. FINAL PAVING SHALL NOT BE PERFORMED UNTIL UTILITY REPAIRS ARE COMPLETED.

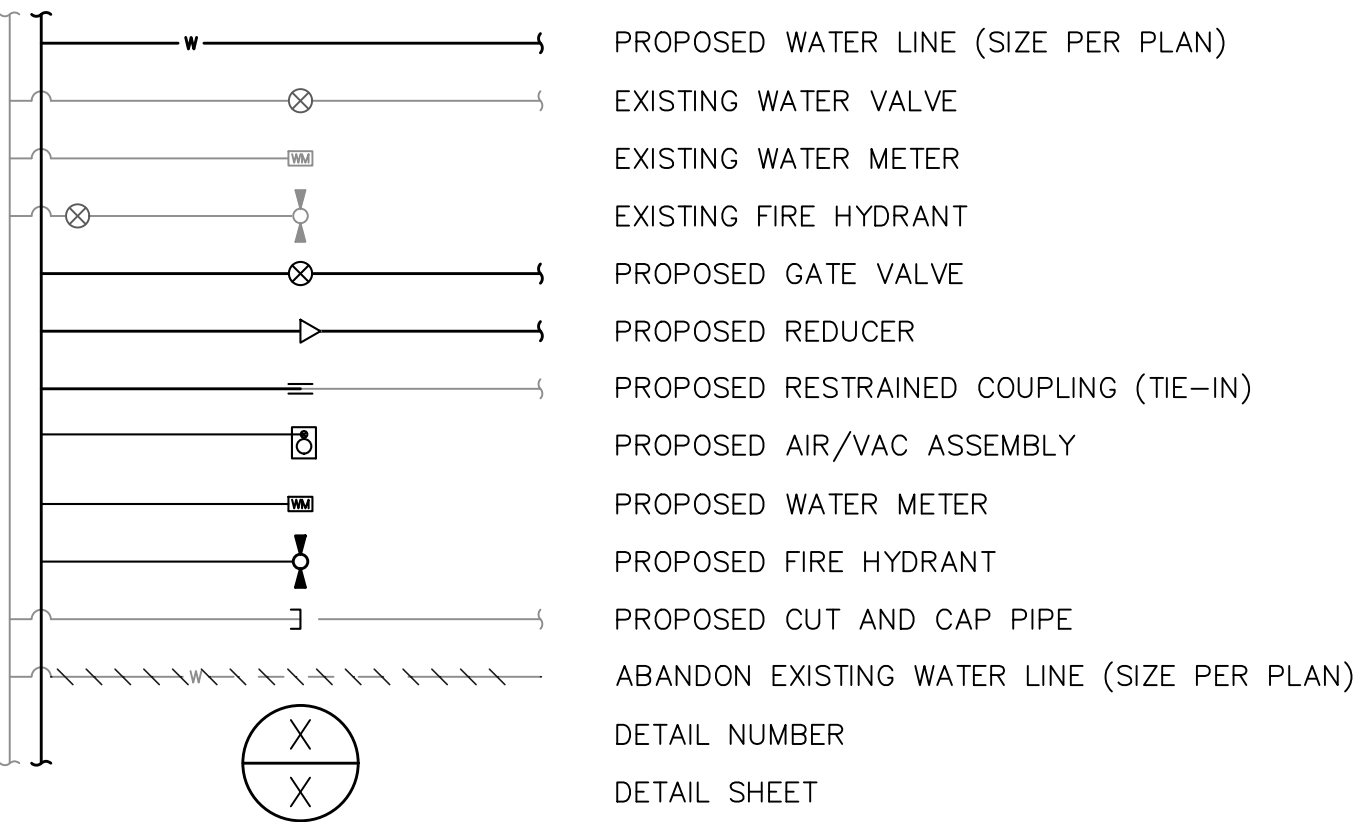
THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:		REVISIONS		INITIALS		DATE		CITY OF FULLERTON PUBLIC WORKS DEPARTMENT	
NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24	ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS CIP PROJECT 44062			
			DESIGNED	SD	04/24				
			REVIEWED			APPROVED: _____ ACCEPTED: _____			
			STREET						
			SEWER			DATE _____ CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR DATE _____ PUBLIC WORKS DIRECTOR			
			DRAINAGE						
			WATER			SCALE: 1" = 20' SHEET 4 of 21 SHEETS			
			TRAFFIC						
			UTILITY/ELEC			CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E. CURB OF RAYMOND, 1" N. OF E.C.B.			
			LANDSCAPE						
			FACILITIES			FILE: 7082			
			GENERAL ENG						
			DESIGN ENG						
			INSPECTION						
			PARKS & REC						
			AS-BUILT						



GENERAL NOTES: (WATER)

- THE INSPECTOR SHALL BE CALLED FOR INSPECTION TWO WORKING DAYS PRIOR TO START OF ANY WORK. (714) 738-6871.
- ALL MAIN LINE VALVES SHALL BE MAINTAINED SO AS TO BE ACCESSIBLE DURING CONSTRUCTION AND SHALL BE RAISED TO GRADE WITHIN 48 HOURS OF FINAL AC REPAIR PER CITY OF FULLERTON STANDARD 650. ALL VALVE STEM TOPS HAVING OVER 4 FEET COVER WILL REQUIRE AN EXTENSION PER CITY OF FULLERTON STANDARD DRAWING 651.
- THE CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER FACILITIES. WATER FACILITIES WILL BE OPERATED BY THE CITY OF FULLERTON EMPLOYEES.
- ALL FIRE HYDRANTS TEMPORARILY OUT OF SERVICE SHALL BE COVERED WITH A SACK INDICATING THAT THE HYDRANTS ARE NOT IN SERVICE.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED BUSINESSES AND RESIDENTS IN THE PROJECT AREA, IN WRITING, OF THE PROPOSED SCHEDULING FOR ANY PORTIONS OF THE CONSTRUCTION OF WATER IMPROVEMENTS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CITY OF FULLERTON WATER MAINTENANCE SECTION CANNOT GUARANTEE A COMPLETE SHUTDOWN OF EXISTING MAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND ISOLATION OF CONSTRUCTION FOR TESTING OR ANY OTHER PURPOSE. CONTRACTOR IS RESPONSIBLE FOR RELEASING AIR OUT OF THE WATER LINE BY METHOD APPROVED BY CITY ENGINEER. MINIMUM TWO (2) WORKING DAY REQUEST FOR WATER SYSTEM SHUTDOWNS. NO SHUTDOWN WILL BE SCHEDULED ON CLOSURE FRIDAYS.
- MAINTAINING WATER SERVICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. METHOD OF PROVIDING TEMPORARY SERVICE MUST BE APPROVED BY THE CITY ENGINEER. MATERIALS USED FOR WATER DISTRIBUTION SHALL BE NSF 61 APPROVED, LEAD-FREE MATERIAL AND IN COMPLIANCE WITH CALIFORNIA STATE WATER RESOURCES CONTROL BOARD-DIVISION OF DRINKING WATER (DDW) REGULATIONS.
- ANY SPRINKLER SYSTEM AND APPURTENANCES ENCOUNTERED WITHIN THE WORK AREA SHALL BE RECONSTRUCTED TO THE SATISFACTION OF THE CITY.
- ALL FACILITIES NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE.
- PIPELINE CROSSINGS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA WATERWORKS STANDARDS (CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 22, DIVISION 4, CHAPTER 16, SECTION 64572) CRITERIA. WHEN CROSSING A SEWER OR STORM DRAIN PIPELINE, THE NEW WATER MAIN SHALL BE CONSTRUCTED NO LESS THAN 45" TO AND AT LEAST ONE FOOT ABOVE THAT PIPELINE. NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT HORIZONTAL FEET OF THE SEWER OR STORM DRAIN PIPELINE CROSSING.

LEGEND: (WATER)



ABBREVIATIONS LEGEND: (WATER)

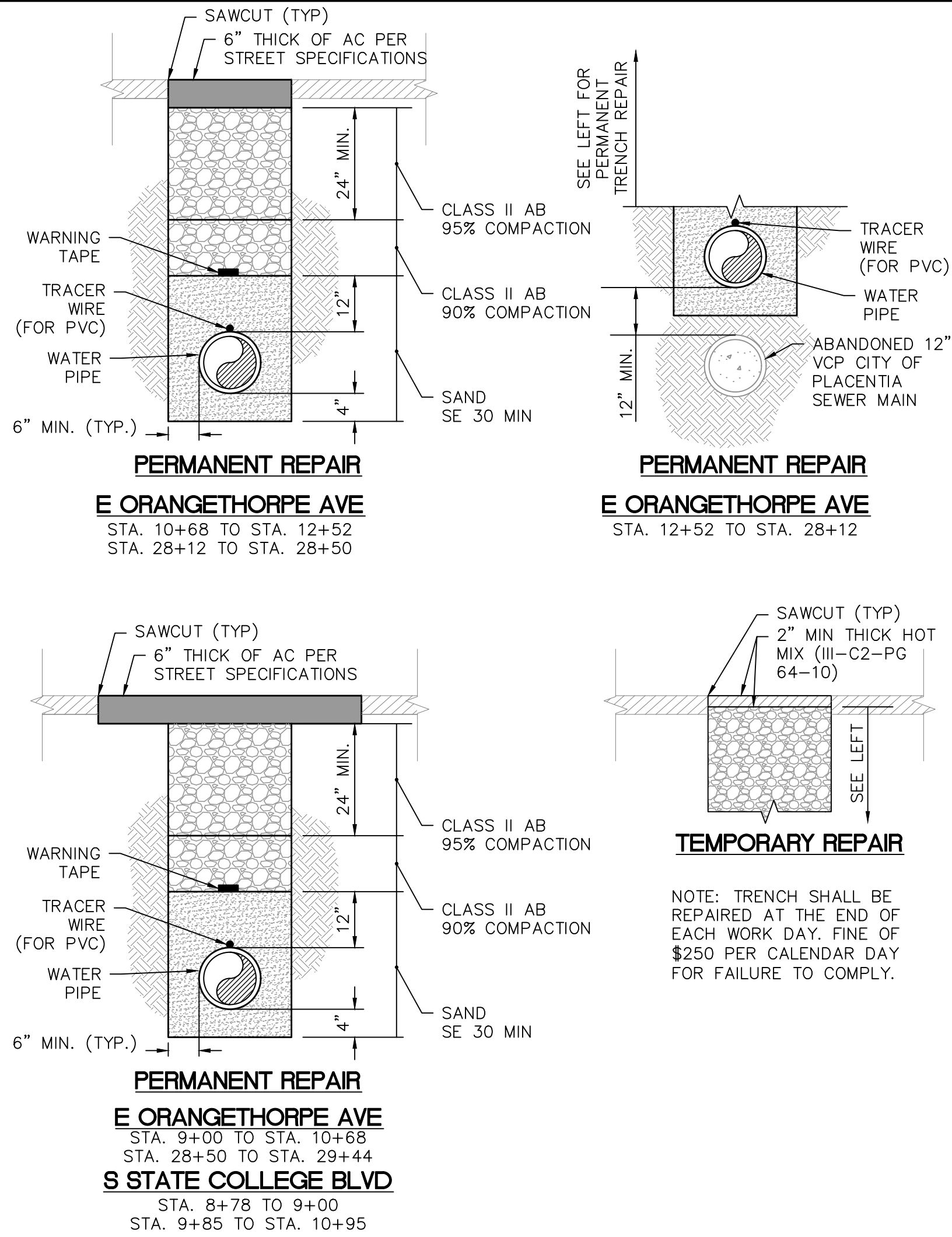
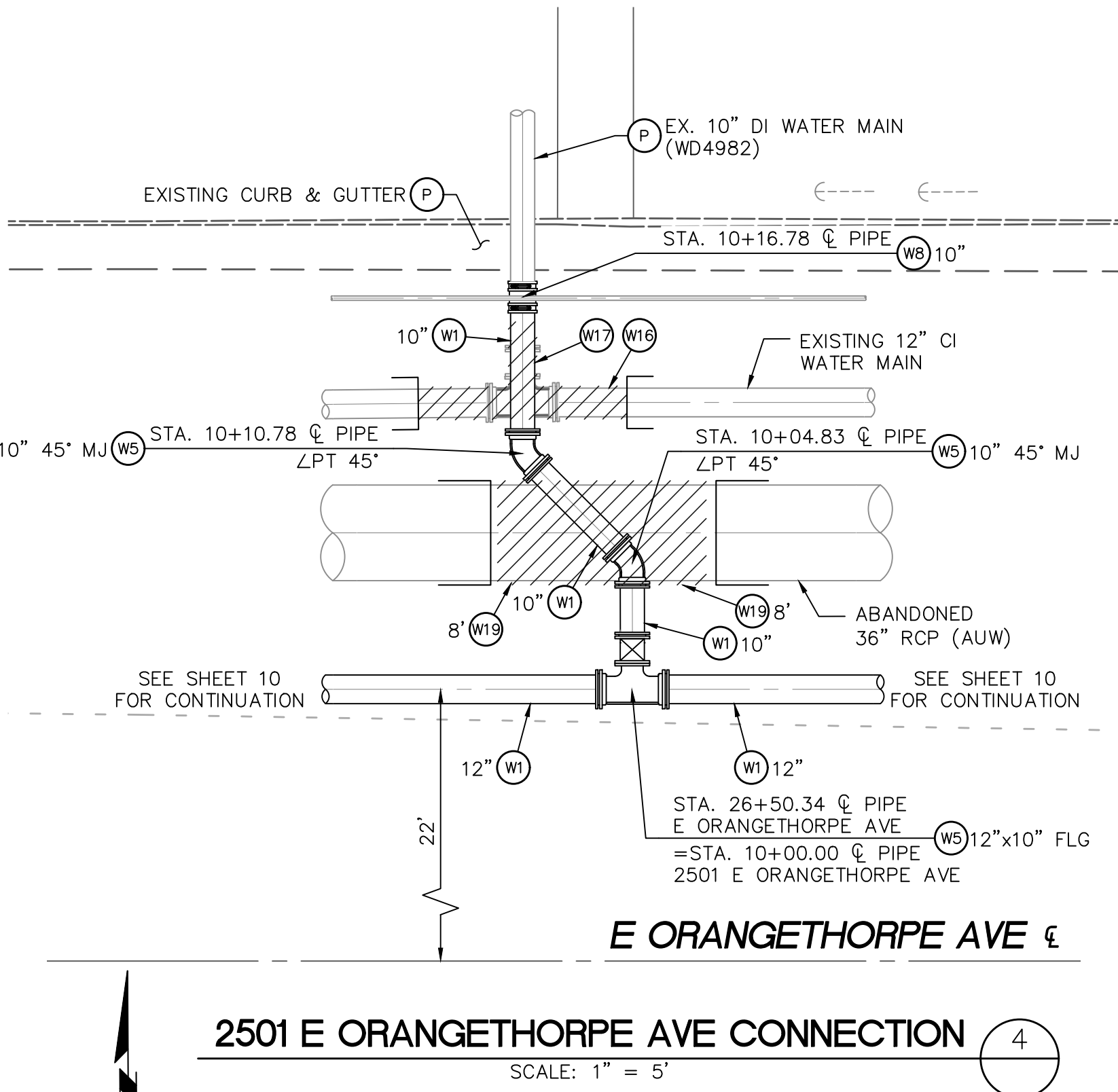
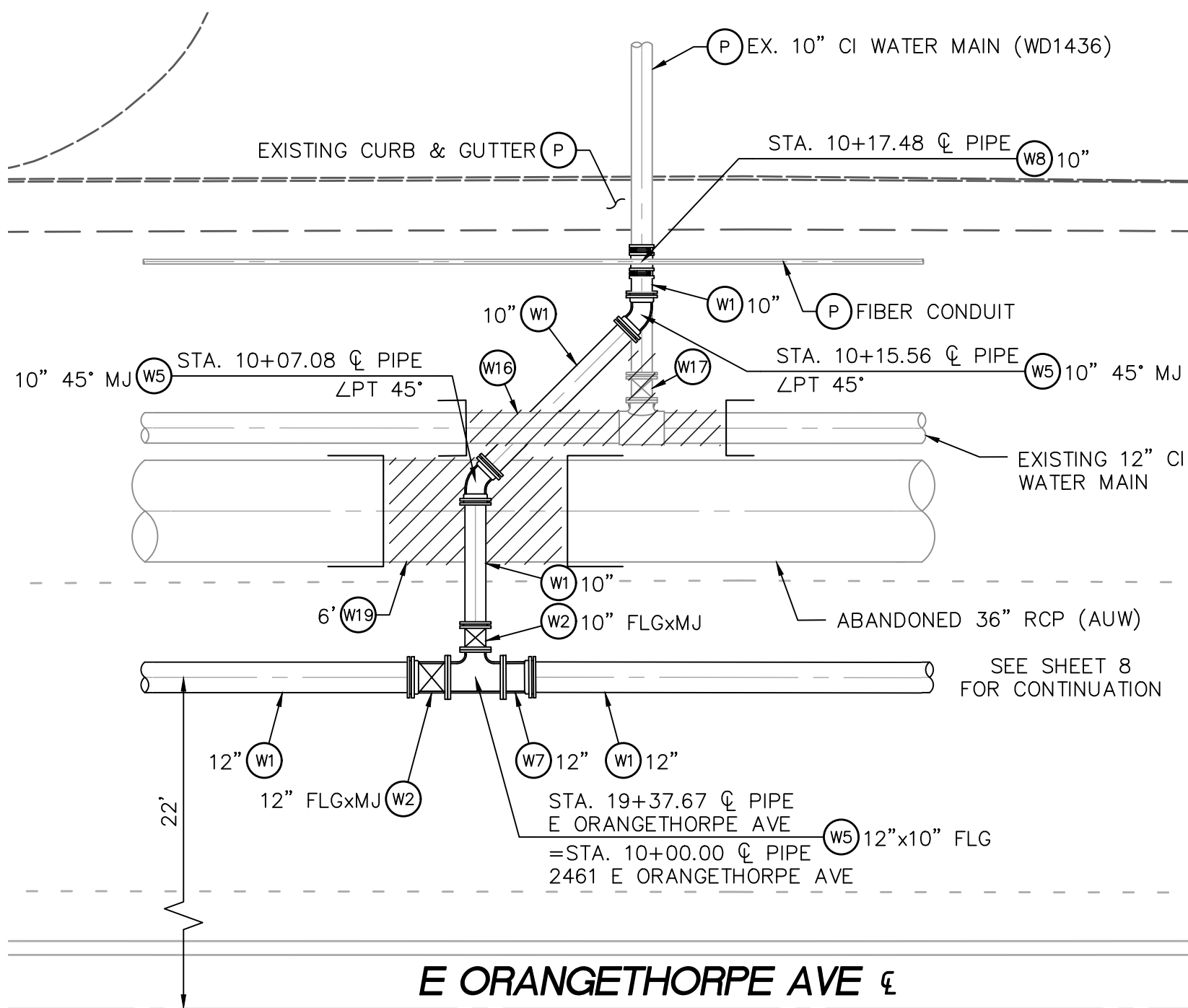
∠PT	ANGLE POINT	N.T.S.	NOT TO SCALE
ABAND.	ABANDONED	OH	OVERHEAD
BM	BENCHMARK	PROP	PROPOSED
BOP	BOTTOM OF PIPE	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	P/L	PROPERTY LINE
CI	CAST IRON	RCP	REINFORCED CONCRETE PIPE
COA	CITY OF ANAHEIM	RD	ROAD
COP	CITY OF PLACENTIA	R/W	RIGHT OF WAY
COF	CITY OF FULLERTON	S	SOUTH
DI	DUCTILE IRON	SCE	SOCAL EDISON
E	EAST	SCG	SOCAL GAS
ELEC	ELECTRIC	SD	STORM DRAIN
ELEV	ELEVATION	SW	SOUTHWEST
EXIST (EX)	EXISTING	STA	STATION
FH	FIRE HYDRANT	STLT	STREET LIGHT
FLG	FLANGE	TYP	TYPICAL
INV	INVERT	VCP	VITRIFIED CLAY PIPE
LF	LINEAR FOOT	W	WEST
MB	MAILBOX	WD	WATER DRAWING
MH	MANHOLE	WMR	WATER MAIN REPLACEMENT
MIN	MINIMUM	WT	WATER TRACT
MJ	MECHANICAL JOINT		
N	NORTH		
NO.	NUMBER		

LEGEND: (WATER)

EXTENT OF T-CUT PER  
DETAIL 1 ON SHEET 5

NOTICE TO CONTRACTOR:

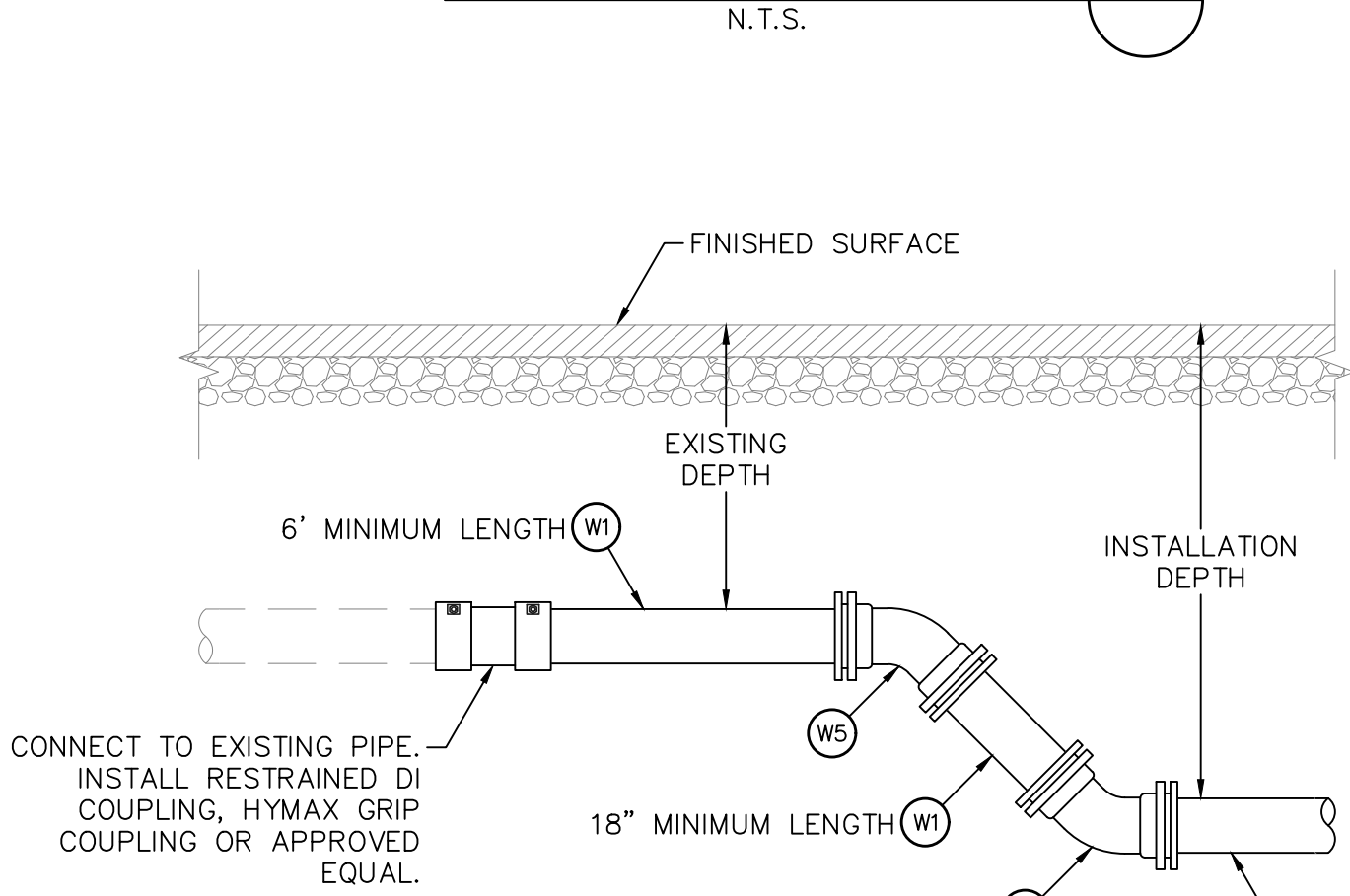
EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS OF PARENT UTILITY COMPANIES AND MAY NOT ACCURATELY REPRESENT THEIR ACTUAL LOCATIONS. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES, IN THE FIELD OR COORDINATE SUCH INDEPENDENT VERIFICATION WITH THE PARENT UTILITY COMPANIES AND PROVIDE THE CITY WITH THE POTHOLE INFORMATION. THE CONTRACTOR SHALL PROTECT IN PLACE OR COORDINATE WITH PARENT COMPANY FOR THE RELOCATION OF CONFLICTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.



NOTE:

- SEE CITY OF FULLERTON STANDARD 312 AND 313 FOR ADDITIONAL INFORMATION.
- ALL CROSS GUTTERS ARE TO BE PROTECTED IN PLACE, WHERE THE BASE CANNOT BE PROPERLY COMPACTED, INSTALL 1 SACK SLURRY UNDER CROSS GUTTER. DAMAGED CROSS GUTTER MUST BE REPLACED JOINT TO JOINT.

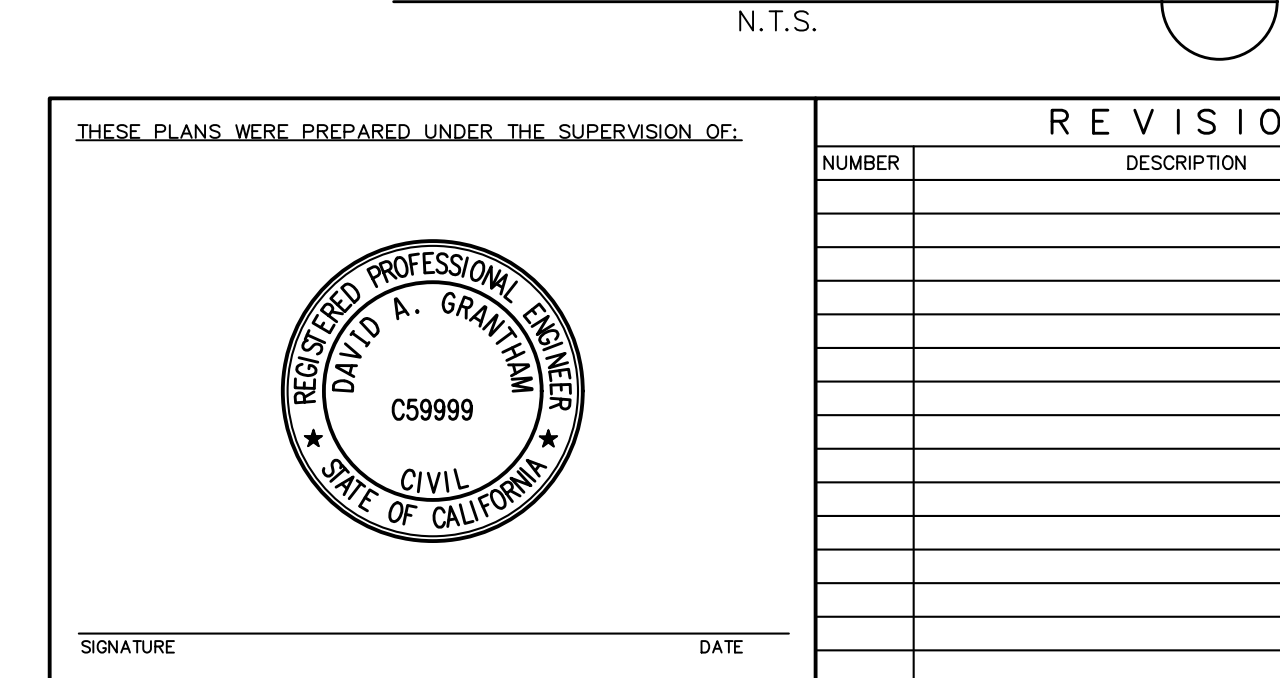
WATER TRENCH DETAIL



NOTE:

- ELBOWS MAY BE 11¼", 22½", 45", OR 90" PER ENGINEER'S APPROVAL.
- SIZE PER PLAN.
- PIPE MATERIAL PER PLAN.

EXISTING PIPE CONNECTION

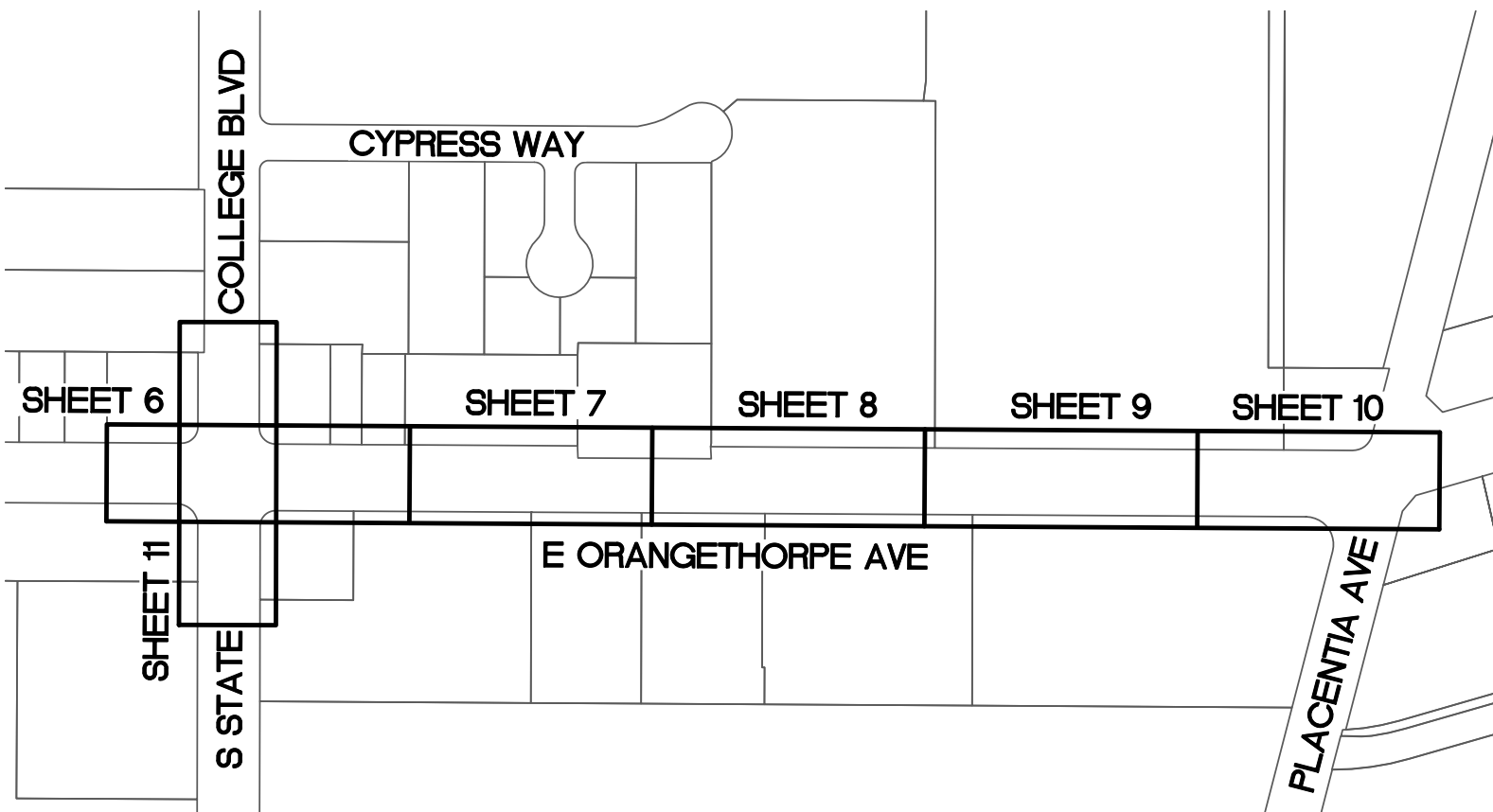


CONSTRUCTION NOTES: (WATER)

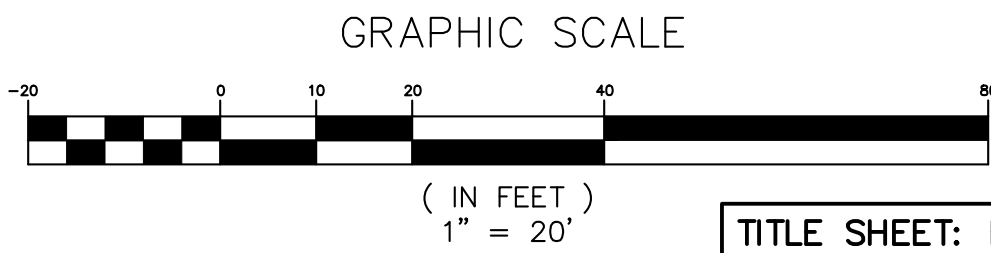
- PROTECT IN PLACE ITEM PER PLAN.
  - INSTALL POLYVINYL CHLORIDE PIPE (AWWA C900), DR14 (PRESSURE CLASS 305), WITH TRACER WIRE AND WARNING TAPE (PER PLAN).
- NOTE: TRENCHING, BEDDING AND BACKFILL PER STANDARD DRAWING 312 AND DETAIL 1 ON SHEET 5.
- THE FIRST TWO PIPE JOINTS AT EACH SIDE OF TIE-INS, VALVES, BENDS, AND CONFLUENCES SHALL BE RESTRAINED WITH INTERNAL RESTRAINT GASKETS. ALL MECHANICAL JOINTS, COUPLINGS, AND ADAPTERS ARE TO BE FULLY RESTRAINED AS APPROVED BY ENGINEER.

- ALL WATER LINES SHALL BE INSTALLED TO A MINIMUM DEPTH OF 42" WITH MAXIMUM DEPTH OF 48" BELOW FINISHED STREET SURFACE. THE CITY ENGINEER RESERVES THE RIGHT TO ALTER THE ABOVE CONDITION AS REQUIRED DURING CONSTRUCTION.
- INSTALL RESILIENT-SEATED GATE VALVE (AWWA C509) (PER PLAN) AND VALVE BOX PER STANDARD DRAWING 650 AND 651.
- INSTALL DI CROSS (PER PLAN).
- INSTALL DI TEE (PER PLAN).
- INSTALL DI ELBOW (PER PLAN).
- INSTALL DI REDUCER (PER PLAN).
- INSTALL DI ADAPTER (PER PLAN).
- INSTALL DI RESTRAINED COUPLING (PER PLAN). CONNECT TO EXISTING WATER MAIN PER DETAIL 2 ON SHEET 5.
- INSTALL RESTRAINED MJ CAP (PER PLAN).
- INSTALL 1" WATER SERVICE (USE EXISTING METER) PER STANDARD DRAWING 601.
- INSTALL 2" WATER SERVICE (USE EXISTING METER) PER STANDARD DRAWING 602.
- CUT AND CRIMP OVER EXISTING SERVICE 18" BELOW GROUND, REMOVE BOX, BACKFILL, COMPACT SOIL TO 95% COMPACTION, AND REPLACE SURFACE IN KIND.


- NOTE: NEW METER BOX LOCATIONS TO BE 7' CLEAR OF DRIVEWAYS AND SIDEWALK ACCESS RAMPS AS POSSIBLE. TRANSITION FROM 11" OUT OF THE BACK OF BOX WITH 12" BRASS NIPPLE, FEMALE BRASS COUPLING, AND ADAPTER TO RECONNECT CUSTOMER SERVICE WITH LIKE MATERIAL AS NECESSARY. EXISTING SERVICE ELEVATION VARIES.
- INSTALL 1" AIR/VAC ASSEMBLY PER STANDARD DRAWING 627.
  - INSTALL FIRE HYDRANT ASSEMBLY (STEAMER TYPE) WITH POSITIVE BREAK-OFF CHECK VALVE PER STANDARD DRAWING 610.
  - CUT AND CAP EXISTING WATER PIPE PER STANDARD DRAWING 648. REMOVE INTERFERING PORTIONS OF ANY ABANDONED FACILITY FOR TIE-INS OR OTHER CONNECTIONS.
  - ABANDON EXISTING WATER PIPE.
  - ABANDON EXISTING WATER VALVE. REMOVE VALVE BOX AND RISER. BACKFILL AND PAVE PER WATER UTILITY SPECIFICATIONS. SALVAGE VALVE BOX LID AND DELIVER TO CITY MAINTENANCE YARD.
  - REMOVE HYDRANT, BURY, AND GUARD POSTS. CAP ABANDONED PIPE. SALVAGE HYDRANT AND DELIVER TO CITY MAINTENANCE YARD.
  - REMOVE INTERFERING PORTIONS OF REINFORCED CONCRETE PIPE (SIZE PER PLAN). INSTALL CONCRETE BULKHEAD.
  - CONTRACTOR TO POTHOLE LOCATION (PER PLAN) PRIOR TO THE START OF CONSTRUCTION.



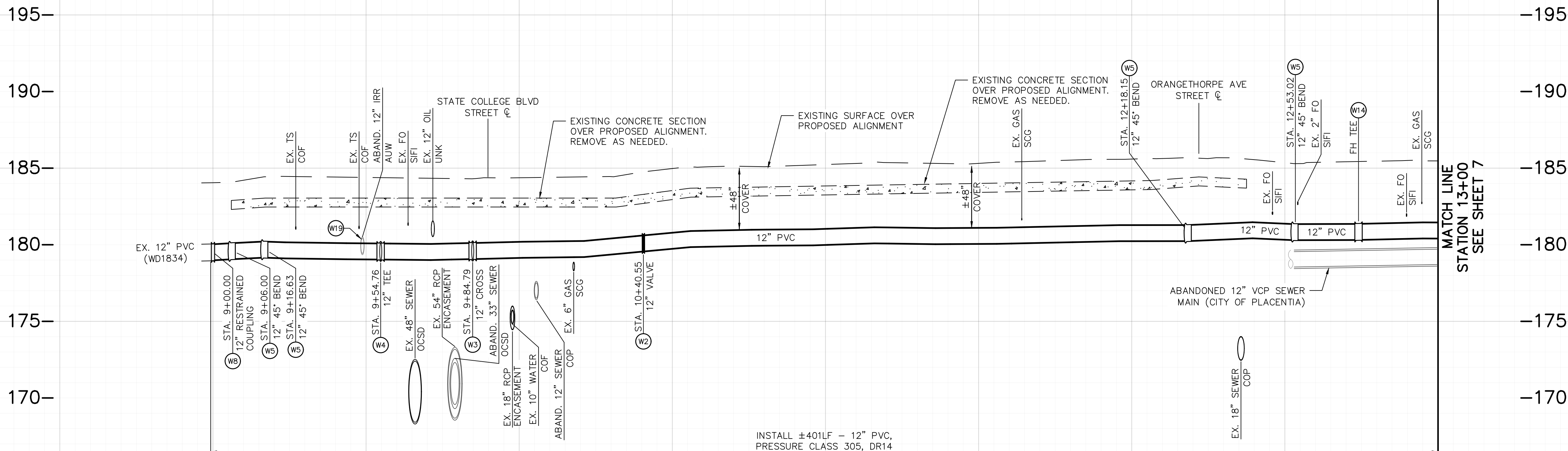
WATER SHEET KEY MAP



TITLE SHEET: FILE 7082

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:			REVISIONS			INITIALS		DATE		CITY OF FULLERTON		
			NUMBER	DESCRIPTION	DATE	DRAWN	MJ	5/24	PUBLIC WORKS DEPARTMENT			
						DESIGNED	MJ	5/24	ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS			
						REVIEWED	DG	5/24	CIP PROJECT 44062			
						STREET			WATER IMPROVEMENTS			
						SEWER			NOTES & DETAILS			
						DRAINAGE			APPROVED:			
						WATER			ACCEPTED:			
						TRAFFIC			DATE			
						UTILITY/ELEC			CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR			
						LANDSCAPE			DATE			
						FACILITIES			PUBLIC WORKS DIRECTOR			
						GENERAL ENG			SCALE: SEE DETAIL			
						DESIGN ENG			SHEET 5 of 21 SHEETS			
			INSPECTION			CITY OF FULLERTON BM NO.: BM 36-14A, PK NAIL IN						
			PARKS & REC			B.M.: LEAD, NW COR ORANGETHORPE & PLACENTIA AVE, N CURB						
			AS-BUILT			ORANGETHORPE, 1' WEST OF ECR, ELEV = 191.12'						
SIGNATURE			DATE			FILE:			WD1869			

# E ORANGETHORPE AVE

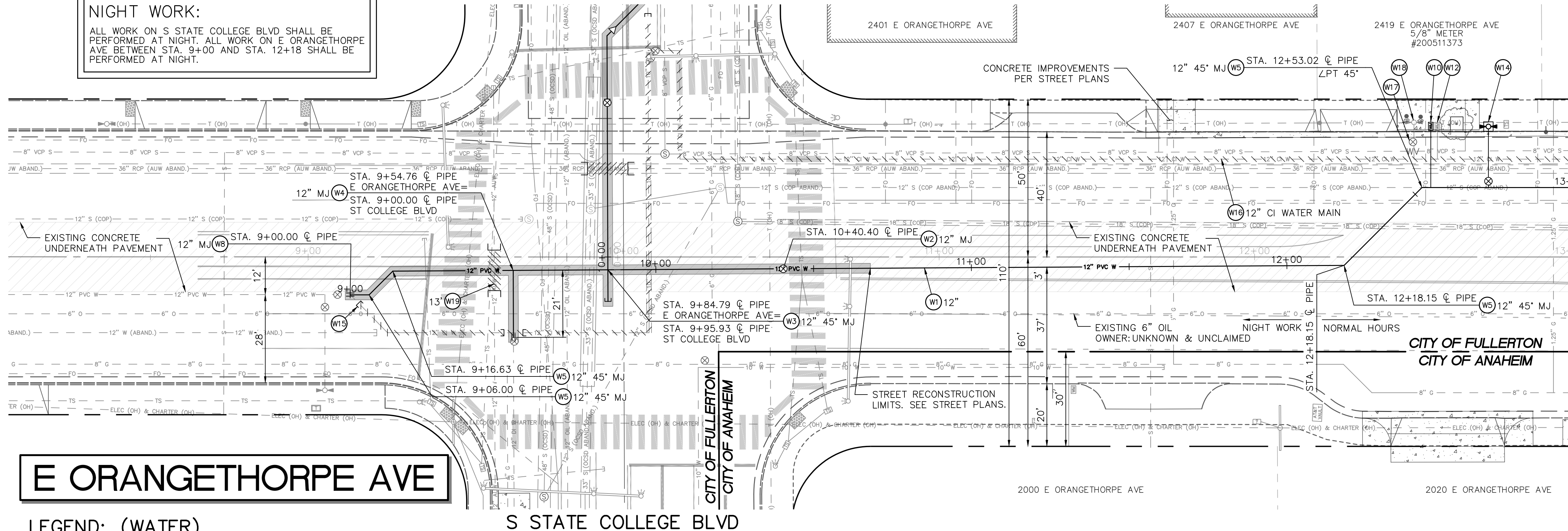


**NOTICE TO CONTRACTOR:**  
PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES.

PROFILE SCALE  
HORIZ. 1" = 20'  
VERT. 1" = 4'

9+00 9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00  
S STATE COLLEGE BLVD  
SEE SHEET 11

**NIGHT WORK:**  
ALL WORK ON S STATE COLLEGE BLVD SHALL BE PERFORMED AT NIGHT. ALL WORK ON E ORANGETHORPE AVE BETWEEN STA. 9+00 AND STA. 12+18 SHALL BE PERFORMED AT NIGHT.



# E ORANGETHORPE AVE

## LEGEND: (WATER)

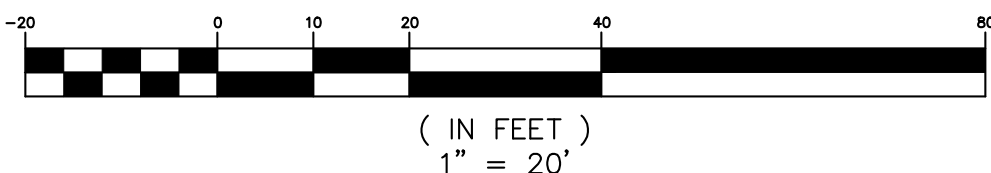
EXTENT OF T-CUT PER  
DETAIL 1 ON SHEET 5

## NOTICE TO CONTRACTOR:

EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS OF PARENT UTILITY COMPANIES AND MAY NOT ACCURATELY REPRESENT THEIR ACTUAL LOCATIONS. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES, IN THE FIELD OR COORDINATE SUCH INDEPENDENT VERIFICATION WITH THE PARENT UTILITY COMPANIES AND PROVIDE THE CITY WITH THE POTHOLE INFORMATION. THE CONTRACTOR SHALL PROTECT IN PLACE OR COORDINATE WITH PARENT COMPANY FOR THE RELOCATION OF CONFLICTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.



GRAPHIC SCALE



TITLE SHEET: FILE 7082

## CONSTRUCTION NOTES: (WATER)

- (P) - PROTECT IN PLACE ITEM PER PLAN.
- (W1) - INSTALL POLYVINYL CHLORIDE PIPE (AWWA C900), DR14 (PRESSURE CLASS 305), WITH TRACER WIRE AND WARNING TAPE (PER PLAN).  
NOTE: TRENCHING, BEDDING AND BACKFILL PER STANDARD DRAWING 312 AND DETAIL 1 ON SHEET 5.  
THE FIRST TWO PIPE JOINTS AT EACH SIDE OF TIE-INS, VALVES, BENDS, AND CONFLUENCES SHALL BE RESTRAINED WITH INTERNAL RESTRAINT GASKETS. ALL MECHANICAL JOINTS, COUPLINGS, AND ADAPTERS ARE TO BE FULLY RESTRAINED AS APPROVED BY ENGINEER.
- (W2) - INSTALL RESILIENT-SEATED GATE VALVE (AWWA C509) (PER PLAN) AND VALVE BOX PER STANDARD DRAWING 650 AND 651.
- (W3) - INSTALL DI CROSS (PER PLAN).
- (W4) - INSTALL DI ELBOW (PER PLAN).
- (W5) - INSTALL DI ELBOW (PER PLAN).
- (W6) - INSTALL DI RESTRAINED COUPLING (PER PLAN). CONNECT TO EXISTING WATER MAIN PER DETAIL 2 ON SHEET 5.
- (##) - INSTALL FIRE HYDRANT ASSEMBLY (STEAMER TYPE) WITH POSITIVE BREAK-OFF CHECK VALVE PER STANDARD DRAWING 610.
- (W14) - CUT AND CAP EXISTING WATER PIPE PER STANDARD DRAWING 648. REMOVE INTERFERING PORTIONS OF ANY ABANDONED FACILITY FOR TIE-INS OR OTHER CONNECTIONS.
- (W15) - ABANDON EXISTING WATER PIPE.
- (W17) - ABANDON EXISTING WATER VALVE. REMOVE VALVE BOX AND RISER. BACKFILL AND PAVE PER WATER UTILITY SPECIFICATIONS. SALVAGE VALVE BOX LID AND DELIVER TO CITY MAINTENANCE YARD.
- (W18) - REMOVE HYDRANT, BURY, AND GUARD POSTS. CAP ABANDONED PIPE. SALVAGE HYDRANT AND DELIVER TO CITY MAINTENANCE YARD.
- (W19) - REMOVE INTERFERING PORTIONS OF REINFORCED CONCRETE PIPE (SIZE PER PLAN). INSTALL CONCRETE BULKHEAD.

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



SIGNATURE

DATE

## REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
			DESIGNED	MJ	5/24
			REVIEWED	DG	5/24
			STREET		
			SEWER		
			DRAINAGE		
			WATER		
			TRAFFIC		
			UTILITY/ELEC		
			LANDSCAPE		
			FACILITIES		
			GENERAL ENG		
			DESIGN ENG		
			INSPECTION		
			PARKS & REC		
			AS-BUILT		

## CITY OF FULLERTON PUBLIC WORKS DEPARTMENT

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

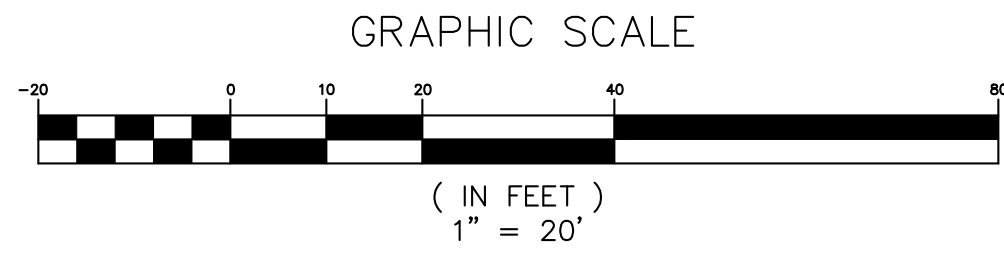
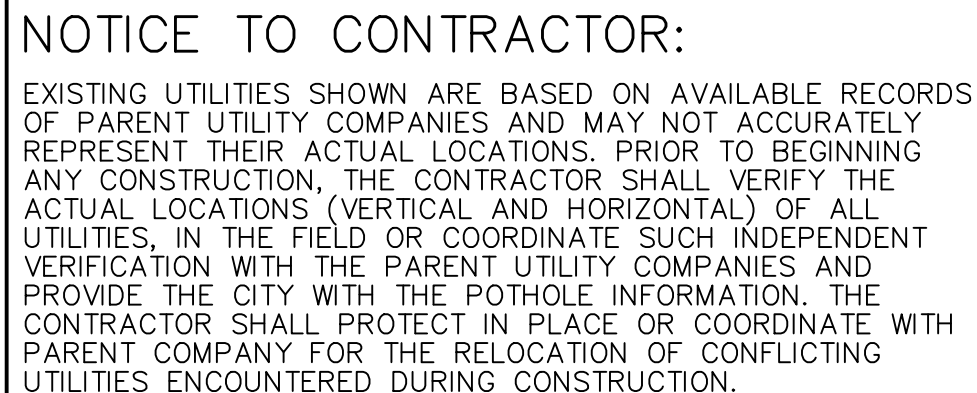
WATER IMPROVEMENTS  
E ORANGETHORPE AVE  
9+00 TO 13+00

APPROVED:	ACCEPTED:
DATE	DATE
CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR	PUBLIC WORKS DIRECTOR
SCALE: 1" = 20'	SHEET 6 OF 21 SHEETS
CITY OF FULLERTON BM NO.: BM 36-14A, PK NAIL IN B.M.: LEAD, NW COR ORANGETHORPE & PLACENTIA AVE, N CURB OF ORANGETHORPE, 1' WEST OF ECR, ELEV = 191.12'	FILE: WD1869





W20- CONTRACTOR TO POTHOLE LOCATION (PER PLAN) PRIOR TO THE START OF CONSTRUCTION.



TITLE SHEET: FILE 7082

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF



SIGNATURE

DATE \_\_\_\_\_

## REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	M/J	5/24
			DESIGNED	M/J	5/24
			REVIEWED	DG	5/24
			STREET		
			SEWER		
			DRAINAGE		
			WATER		
			TRAFFIC		
			UTILITY/ELEC		
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			DESIGN ENG		
			INSPECTION		
			PARKS & REC		
			AS-BUILT		

INITIALS	DATE
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MJ	5/24
----	------

MJ	5/24
DG	5/24

53	5/24









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INITIALS	DATE	CITY OF FULLERTON
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PUBLIC WORKS DEPARTMENT

## ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

## WATER IMPROVEMENTS

E ORANGETHORPE AVE

13+00 TO 17+00

ACCEPTED:

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CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR		DATE	PROJECT NO.

1" = 20' SHEET 7 OF 2

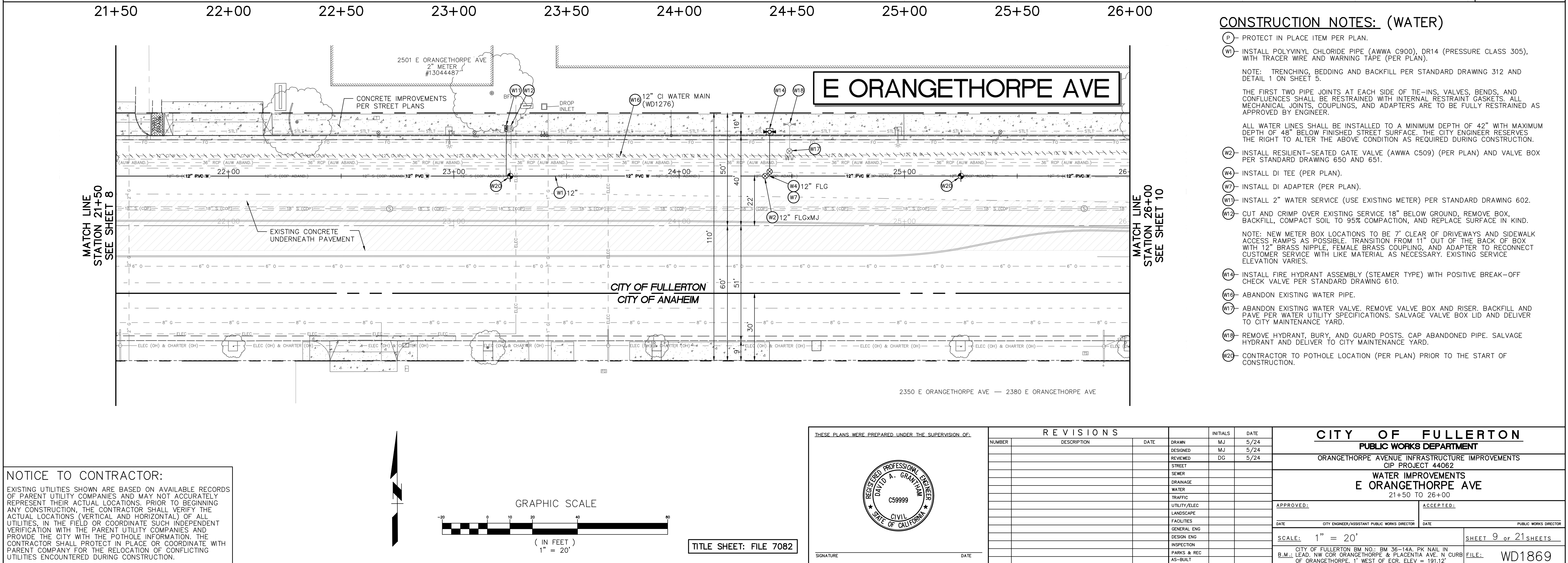
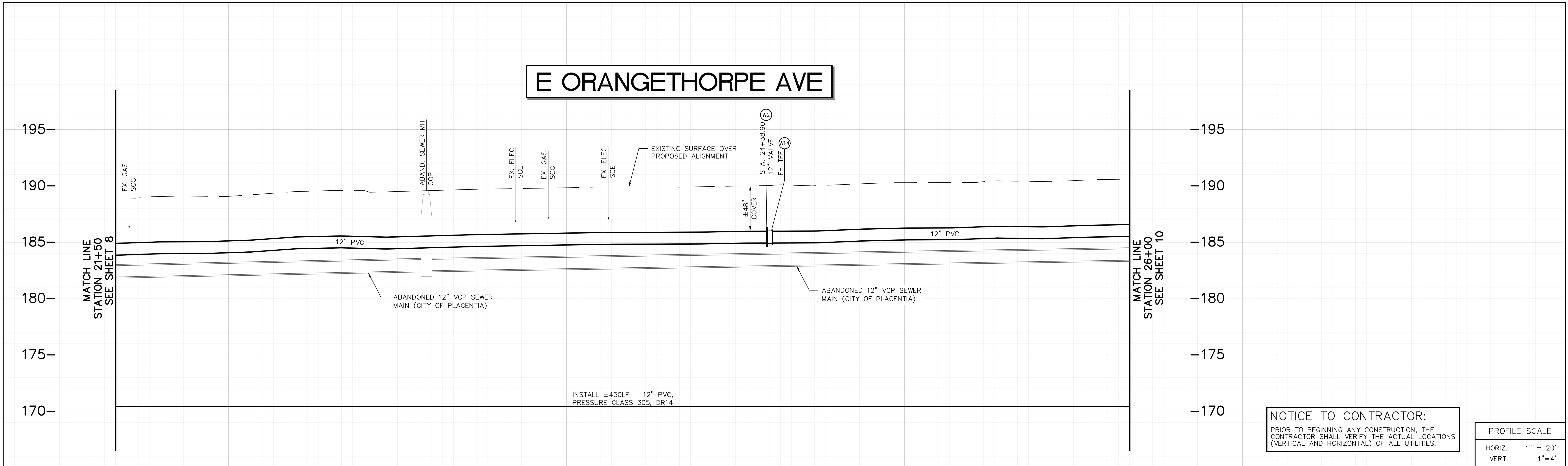
F FULLERTON BM NO.: BM 36-14A. PK NAIL IN NW COR ORANGETHORPE & PLACENTIA AVE N CURB	FILE:	WD
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ANGETHORPE. 1' WEST OF ECR. ELEV = 191.12'

FILE PATH: T:\ENGINEERING\CIP\44062 ORANGETHORPE AVE - ST COLLEGE TO PLACENTIA\DWG\SHEET\44062-SHT-06-11\_WATER.DWG, PLOT TIME: 6/5/2024 5:24:58 PM

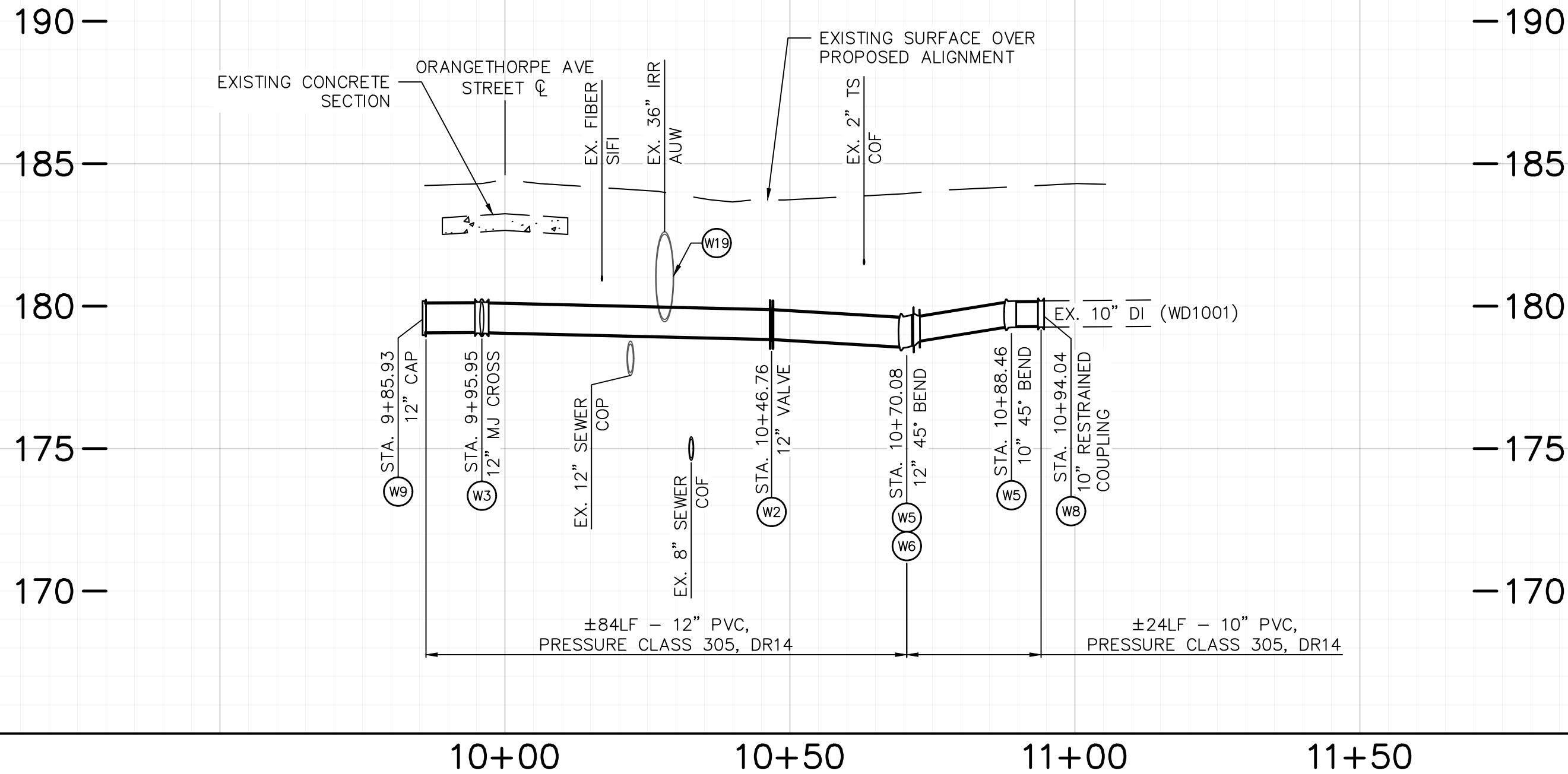






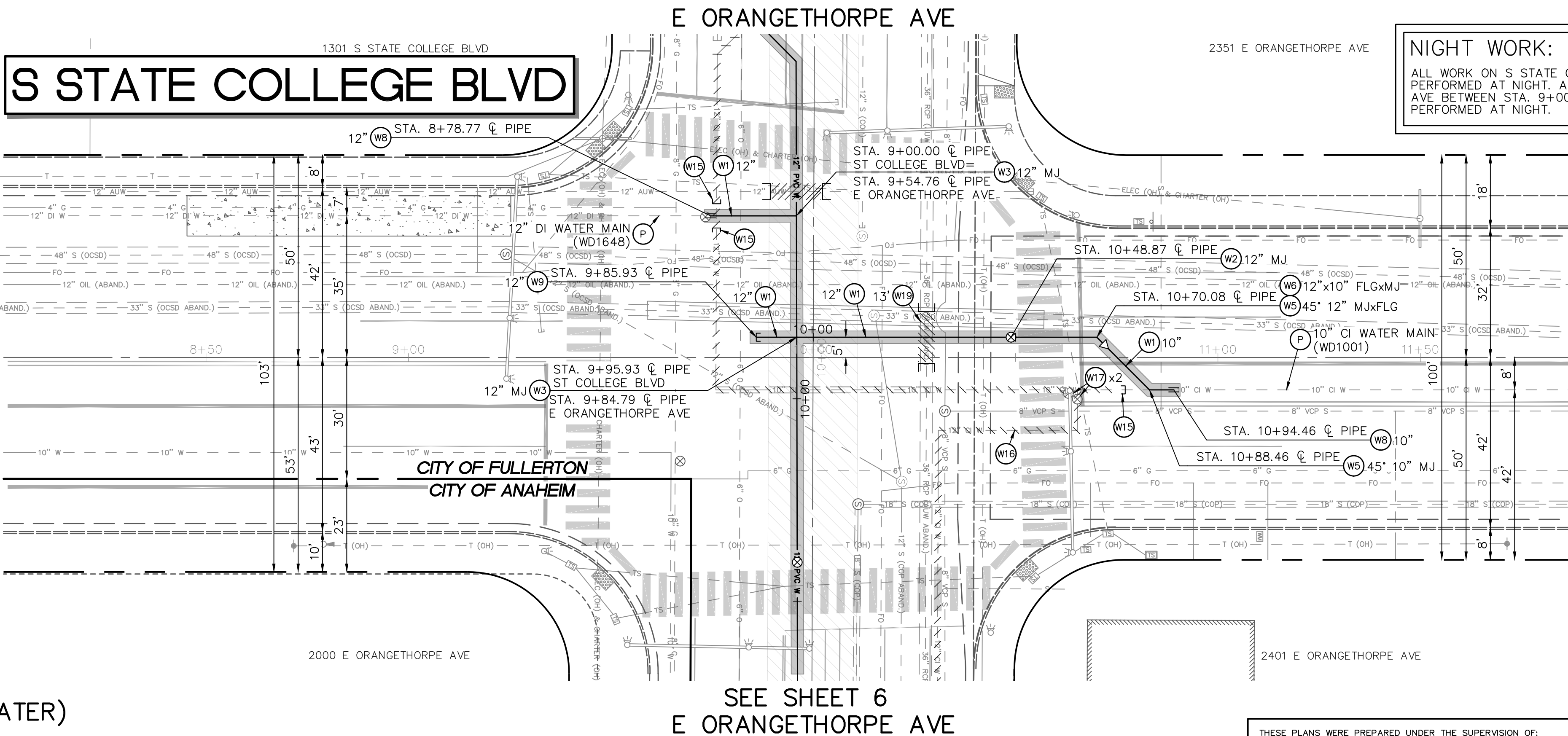


## S STATE COLLEGE BLVD



**NOTICE TO CONTRACTOR:**  
PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES.

**PROFILE SCALE**  
HORIZ. 1" = 20'  
VERT. 1" = 4'



**NIGHT WORK:**  
ALL WORK ON S STATE COLLEGE BLVD SHALL BE PERFORMED AT NIGHT. ALL WORK ON E ORANGETHORPE AVE BETWEEN STA. 9+00 AND STA. 12+18 SHALL BE PERFORMED AT NIGHT.

### CONSTRUCTION NOTES: (WATER)

- (P) - PROTECT IN PLACE ITEM PER PLAN.
- (W1) - INSTALL POLYVINYL CHLORIDE PIPE (AWWA C900), DR14 (PRESSURE CLASS 305), WITH TRACER WIRE AND WARNING TAPE (PER PLAN).
- NOTE: TRENCHING, BEDDING AND BACKFILL PER STANDARD DRAWING 312 AND DETAIL 1 ON SHEET 5.
- THE FIRST TWO PIPE JOINTS AT EACH SIDE OF TIE-INS, VALVES, BENDS, AND CONFLUENCES SHALL BE RESTRAINED WITH INTERNAL RESTRAINT GASKETS. ALL MECHANICAL JOINTS, COUPLINGS, AND ADAPTERS ARE TO BE FULLY RESTRAINED AS APPROVED BY ENGINEER.
- ALL WATER LINES SHALL BE INSTALLED TO A MINIMUM DEPTH OF 42" WITH MAXIMUM DEPTH OF 48" BELOW FINISHED STREET SURFACE. THE CITY ENGINEER RESERVES THE RIGHT TO ALTER THE ABOVE CONDITION AS REQUIRED DURING CONSTRUCTION.
- (W2) - INSTALL RESILIENT-SEATED GATE VALVE (AWWA C509) (PER PLAN) AND VALVE BOX PER STANDARD DRAWING 650 AND 651.
- (W5) - INSTALL DI ELBOW (PER PLAN).
- (W6) - INSTALL DI REDUCER (PER PLAN).
- (W8) - INSTALL DI RESTRAINED COUPLING (PER PLAN). CONNECT TO EXISTING WATER MAIN PER DETAIL 2 ON SHEET
- (W10) - INSTALL 1" WATER SERVICE (USE EXISTING METER) PER STANDARD DRAWING 601.
- (W12) - CUT AND CRIMP OVER EXISTING SERVICE 18" BELOW GROUND, REMOVE BOX, BACKFILL, COMPACT SOIL TO 95% COMPACTION, AND REPLACE SURFACE IN KIND.
- (W13) - INSTALL 1" AIR/VAC ASSEMBLY PER STANDARD DRAWING 627.
- (W14) - INSTALL FIRE HYDRANT ASSEMBLY (STEAMER TYPE) WITH POSITIVE BREAK-OFF CHECK VALVE PER STANDARD DRAWING 610.
- (W15) - CUT AND CAP EXISTING WATER PIPE PER STANDARD DRAWING 648. REMOVE INTERFERING PORTIONS OF ANY ABANDONED FACILITY FOR TIE-INS OR OTHER CONNECTIONS.
- (W16) - ABANDON EXISTING WATER PIPE.
- (W17) - ABANDON EXISTING WATER VALVE. REMOVE VALVE BOX AND RISER. BACKFILL AND PAVE PER WATER UTILITY SPECIFICATIONS. SALVAGE VALVE BOX LID AND DELIVER TO CITY MAINTENANCE YARD.
- (W18) - REMOVE HYDRANT, BURY, AND GUARD POSTS. CAP ABANDONED PIPE. SALVAGE HYDRANT AND DELIVER TO CITY MAINTENANCE YARD.
- (W19) - REMOVE INTERFERING PORTIONS OF REINFORCED CONCRETE PIPE (SIZE PER PLAN). INSTALL CONCRETE BULKHEAD.
- (W20) - CONTRACTOR TO POTHOLE LOCATION (PER PLAN) PRIOR TO THE START OF CONSTRUCTION.

### LEGEND: (WATER)

EXTENT OF T-CUT PER  
DETAIL 1 ON SHEET 5

### NOTICE TO CONTRACTOR:

EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS OF PARENT UTILITY COMPANIES AND MAY NOT ACCURATELY REPRESENT THEIR ACTUAL LOCATIONS. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES, IN THE FIELD OR COORDINATE SUCH INDEPENDENT VERIFICATION WITH THE PARENT UTILITY COMPANIES AND PROVIDE THE CITY WITH THE POTHOLE INFORMATION. THE CONTRACTOR SHALL PROTECT IN PLACE OR COORDINATE WITH PARENT COMPANY FOR THE RELOCATION OF CONFLICTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.



GRAPHIC SCALE



( IN FEET )  
1" = 20'

TITLE SHEET: FILE 7082

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



SIGNATURE

DATE

### REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
	DESIGNED		MJ		5/24
	REVIEWED		DG		5/24
	STREET				
	SEWER				
	DRAINAGE				
	WATER				
	TRAFFIC				
	UTILITY/ELEC				
	LANDSCAPE				
	FACILITIES				
	GENERAL ENG				
	DESIGN ENG				
	INSPECTION				
	PARKS & REC				
	AS-BUILT				

### CITY OF FULLERTON PUBLIC WORKS DEPARTMENT

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

**WATER IMPROVEMENTS**  
**S STATE COLLEGE BLVD**  
8+78 TO 9+00, 9+85 TO 10+95

APPROVED:

ACCEPTED:

DATE CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR

DATE PUBLIC WORKS DIRECTOR

SCALE: 1" = 20'

SHEET 11 of 21 SHEETS

CITY OF FULLERTON BM NO.: BM 36-14A, PK NAIL IN  
B.M.: LEAD, NW COR ORANGETHORPE & PLACENTIA AVE, N CURB  
OF ORANGETHORPE, 1' WEST OF ECR, ELEV = 191.12'


FILE: WD1869



- (14) - COLD MILL 2" THICK EXISTING AC PAVEMENT.
- (15) - CONSTRUCT 2" THICK ARHM OVERLAY.
- (16) - ADJUST EXIST. MANHOLE TO GRADE PER CITY OF FULLERTON STD PLAN 204.
- (27) - ADJUST EXIST. WATER VALVE TO GRADE.

1 PROTECT IN PLACE

 2" COLD MILL AND 2" AC OVERLAY

  
SIGNATURE

06/11/24  
DATE

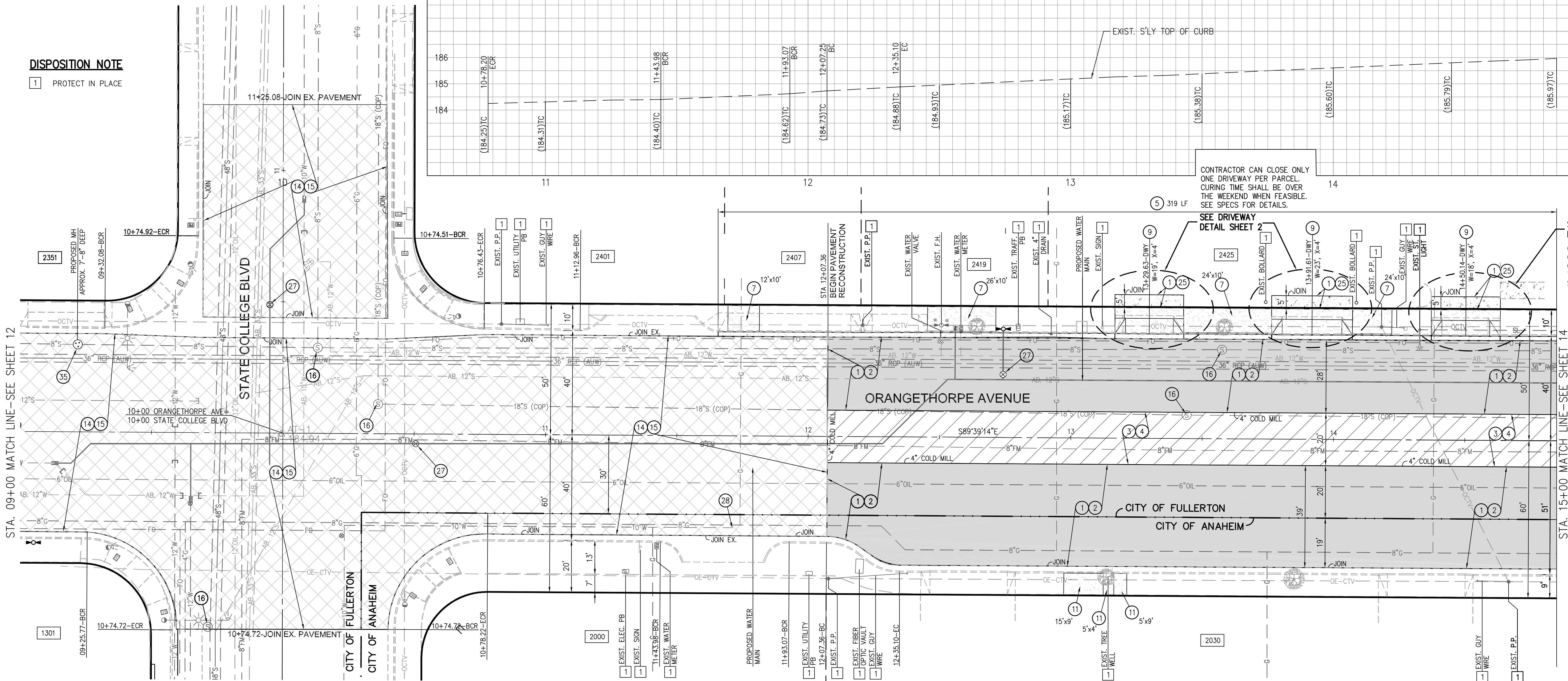
R E V I S I O N S			INITIALS	DATE	CITY OF FULLERTON	
NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24	PUBLIC WORKS DEPARTMENT
			DESIGNED	SD	04/24	
			REVIEWED	—	—	ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS CIP PROJECT 44062
			STREET			
			SEWER			STREET IMPROVEMENTS-ORANGETHORPE AVE FROM STA. 04+50 TO STA. 09+00
			DRAINAGE			
			WATER			APPROVED:
			TRAFFIC			
			UTILITY/ELEC			ACCEPTED:
			LANDSCAPE			
			FACILITIES			DATE
			GENERAL ENG			
			DESIGN ENG			DATE
			INSPECTION			
			PARKS & REC			SCALE: 1" = 20'
			AS-BUILT			
						B.M.:
						7082

CONSTRUCTION NOTES

- EXCAVATE FOR PROPOSED STRUCTURAL SECTION AND IMPROVEMENTS.
- CONSTRUCT 7" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER 14" CLASS II AB.
- COLD MILL 4" THICK EXISTING AC PAVEMENT.
- CONSTRUCT 4" AC, INCLUDES 2" THICK ARHM SURFACE COURSE.
- REMOVE AND RECONSTRUCT CURB & GUTTER PER CITY OF FULLERTON STD PLAN NO. 120, TYPE A. (VARIABLE CF) TO MATCH EXIST. TOP OF CURB.
- REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- REMOVE AND RECONSTRUCT DRIVEWAY APPROACH (COMMERCIAL) PER CITY OF FULLERTON STD PLAN 121-2. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT SIDEWALK PER CITY OF ANAHEIM STD PLAN 110-B.
- COLD MILL 2" THICK EXISTING AC PAVEMENT.
- CONSTRUCT 2" THICK ARHM OVERLAY.
- ADJUST EXIST. MANHOLE TO GRADE PER CITY OF FULLERTON STD PLAN 204.
- CONSTRUCT 6" PCC OVER NATIVE. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- ADJUST EXIST. WATER VALVE TO GRADE.
- CUT AND PLUG EXIST. 10" WATER MAIN.
- CONSTRUCT SEWER MANHOLE PER CITY OF FULLERTON STD PLAN 201.

DISPOSITION NOTE

- PROTECT IN PLACE



CITY OF ANAHEIM ELECTRICAL NOTE

THERE ARE EXISTING 69KV, 12KV AND STREETLIGHT OVERHEAD AND UNDERGROUND ELECTRICAL FACILITIES WITHIN THE PROJECT'S BOUNDARY. PLEASE PROTECT ALL ABOVEGROUND AND UNDERGROUND ELECTRICAL FACILITIES IN PLACE AND CONTACT UTILITY INSPECTOR JEFF ROBISON AT 714-292-8881 PRIOR TO WORKING WITHIN PROXIMITY TO ENERGIZE ELECTRICAL FACILITIES.

ANY ADJUSTMENTS OF ELECTRICAL PULLBOXES AND VAULTS TO FINAL GRADE, PLEASE COORDINATE WITH UTILITY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE PLANNED WORK. MAINTAIN ALL CLEARANCES PER GENERAL ORDER 95 AND 128. ANY PROPOSED ELECTRICAL PULLBOXES/VAULTS/POLES REQUIRING RELOCATION REQUIRED, PLEASE CONTACT VINH TRAN AT 714-765-4273.

LEGEND

- 2" COLD MILL AND 2" AC OVERLAY
- 4" AC INCLUDES 2" AC SURFACE COURSE
- 7" AC INCLUDES 2" AC SURFACE COURSE OVER 14" CLASS II AB

**DMS**  
CONSULTANTS, INC.  
CIVIL ENGINEERS  
12371 Lewis St. #203 Garden Grove CA 92640 P. 714-740-8840 F. 714-740-8842

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



SIGNATURE: *Andrew M. Deffen* DATE: 06/11/24

REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
	DESIGNED		NC		04/24
	REVIEWED		SD		04/24
	STREET				
	SEWER				
	DRAINAGE				
	WATER				
	TRAFFIC				
	UTILITY/ELEC				
	LANDSCAPE				
	FACILITIES				
	GENERAL ENG				
	DESIGN ENG				
	INSPECTION				
	PARKS & REC				
	AS-BUILT				

CITY OF FULLERTON

PUBLIC WORKS DEPARTMENT

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

STREET IMPROVEMENTS-ORANGETHORPE AVE  
FROM STATE COLLEGE BLVD. TO STA. 15+00

APPROVED:	ACCEPTED:
DATE	DATE
CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR	PUBLIC WORKS DIRECTOR
SCALE: 1" = 20'	SHEET 13 OF 21 SHEETS
CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E. CURB OF RAYMOND, 1" N. OF E.C.B.	FILE: 7082



CITY OF ANAHEIM ELECTRICAL NOTE

THERE ARE EXISTING 69KV, 12KV AND STREETLIGHT OVERHEAD AND UNDERGROUND ELECTRICAL FACILITIES WITHIN THE PROJECT'S BOUNDARY. PLEASE PROTECT ALL ABOVEGROUND AND UNDERGROUND ELECTRICAL FACILITIES IN PLACE AND CONTACT UTILITY INSPECTOR JEFF ROBISON AT 714-292-8881 PRIOR TO WORKING WITHIN PROXIMITY TO ENERGIZE ELECTRICAL FACILITIES.

ANY ADJUSTMENTS OF ELECTRICAL PULLBOXES AND VAULTS TO FINAL GRADE, PLEASE COORDINATE WITH UTILITY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE PLANNED WORK. MAINTAIN ALL CLEARANCES PER GENERAL ORDER 95 AND 128. ANY PROPOSED ELECTRICAL PULLBOXES/VAULTS/POLES REQUIRING RELOCATION REQUIRED, PLEASE CONTACT VINH TRAN AT 714-765-4273.

PROFILE SCALE

HORIZ. 1"=20'  
VERT. 1"= 2'

CONSTRUCTION NOTES

- EXCAVATE FOR PROPOSED STRUCTURAL SECTION AND IMPROVEMENTS.
- CONSTRUCT 7" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER 14" CLASS II AB.
- COLD MILL 4" THICK EXISTING AC PAVEMENT.
- CONSTRUCT 4" AC, INCLUDES 2" THICK ARHM SURFACE COURSE.
- REMOVE AND RECONSTRUCT CURB & GUTTER PER CITY OF FULLERTON STD PLAN NO. 120, TYPE A. (VARIABLE CF) TO MATCH EXIST. TOP OF CURB.
- CONSTRUCT CURB PER CITY OF FULLERTON STD PLAN NO. 120, TYPE B-1 (6"CF).
- REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- CONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- REMOVE AND RECONSTRUCT DRIVEWAY APPROACH (COMMERCIAL) PER CITY OF FULLERTON STD PLAN 121-2. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- REMOVE AND RECONSTRUCT MODIFIED ALLEY APPROACH DRIVEWAY PER CITY STD PLAN 121-3. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT SIDEWALK PER CITY OF ANAHEIM STD PLAN 110-B.
- REMOVE AND RECONSTRUCT CURB & GUTTER PER CITY OF ANAHEIM STD PLAN 120, TYPE A, 8" CF.
- REMOVE AND RECONSTRUCT DRIVEWAY APPROACH PER CITY OF ANAHEIM STD PLAN 115-B. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- ADJUST EXIST. MANHOLE TO GRADE PER CITY OF FULLERTON STD PLAN 204.
- CONSTRUCT CMU SLOUGH WALL PER DETAIL SHEET 3.
- CONSTRUCT 6" PCC OVER NATIVE. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- ADJUST EXIST. WATER VALVE TO GRADE.
- EXISTING TREE TO BE REMOVED BY OTHERS.
- REMOVE AND RECONSTRUCT CURB PER CITY OF ANAHEIM STD PLAN 120, TYPE C, 6" CF.
- REMOVE AND REINSTALL "NO PARKING ANY TIME" SIGN.

DISPOSITION NOTE

- 1 PROTECT IN PLACE

CITY OF FULLERTON  
PUBLIC WORKS DEPARTMENT

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

STREET IMPROVEMENTS-ORANGETHORPE AVE  
FROM STA. 15+00 TO STA. 20+00

APPROVED:

ACCEPTED:

DATE CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR

DATE PUBLIC WORKS DIRECTOR

SCALE: 1" = 20'

SHEET 14 OF 21 SHEETS

CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90'  
B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E.  
CURB OF RAYMOND, 1" N. OF E.C.B.

FILE: 7082

LEGEND

- 2" COLD MILL AND 2" AC OVERLAY
- 4" AC INCLUDES 2" AC SURFACE COURSE
- 7" AC INCLUDES 2" AC SURFACE COURSE OVER 14" CLASS II AB

**DMS**  
CONSULTANTS, INC.  
CIVIL ENGINEERS  
12371 Lewis St., #203 Garden Grove CA 92640 P: 714-740-8840 F: 714-740-8842

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



Signature: *Andrew*  
DATE: 06/11/24

REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
	DESIGNED		NC		04/24
	REVIEWED		SD		04/24
	STREET				
	SEWER				
	DRAINAGE				
	WATER				
	TRAFFIC				
	UTILITY/ELEC				
	LANDSCAPE				
	FACILITIES				
	GENERAL ENG				
	DESIGN ENG				
	INSPECTION				
	PARKS & REC				
	AS-BUILT				

STA. 15+00 MATCH LINE-SEE SHEET 13

STA. 20+00 MATCH LINE-SEE SHEET 15

SEE DRIVEWAY  
DETAIL SHEET 2  
CONTRACTOR CAN CLOSE ONLY ONE DRIVEWAY PER PARCEL. CURING TIME SHALL BE OVER THE WEEKEND WHEN FEASIBLE. SEE SPECS FOR DETAILS.

SEE DRIVEWAY  
DETAIL SHEET 2  
CONTRACTOR CAN CLOSE ONLY ONE DRIVEWAY PER PARCEL. CURING TIME SHALL BE OVER THE WEEKEND WHEN FEASIBLE. SEE SPECS FOR DETAILS.

SEE DRIVEWAY  
SHEET 2  
CONTRACTOR CAN CLOSE ONLY ONE DRIVEWAY PER PARCEL. CURING TIME SHALL BE OVER THE WEEKEND WHEN FEASIBLE. SEE SPECS FOR DETAILS.

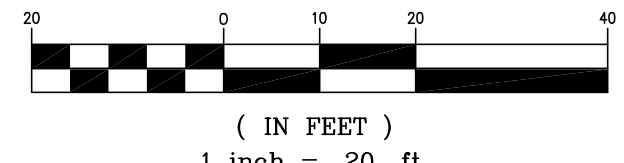
SEE SHEET 3 FOR  
SLOUGH WALL PROFILE

SEE SHEET 3 FOR  
SLOUGH WALL PROFILE

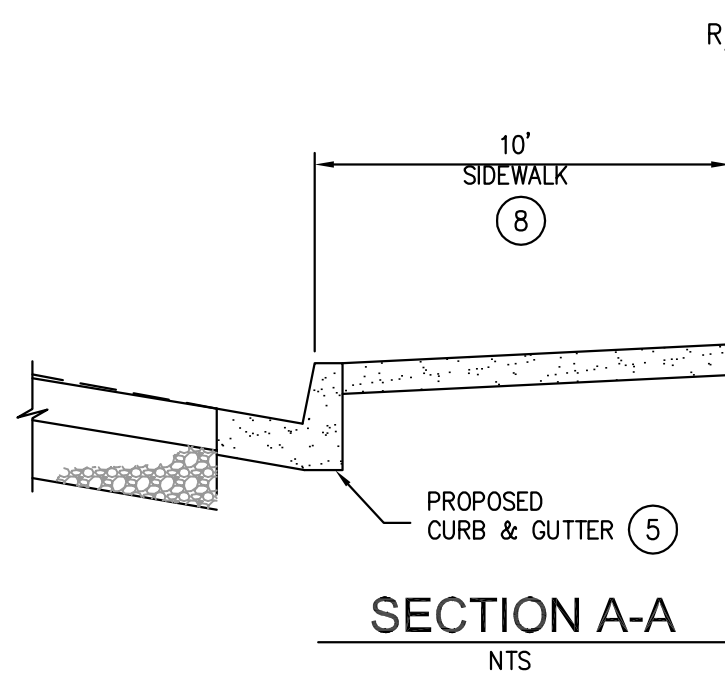
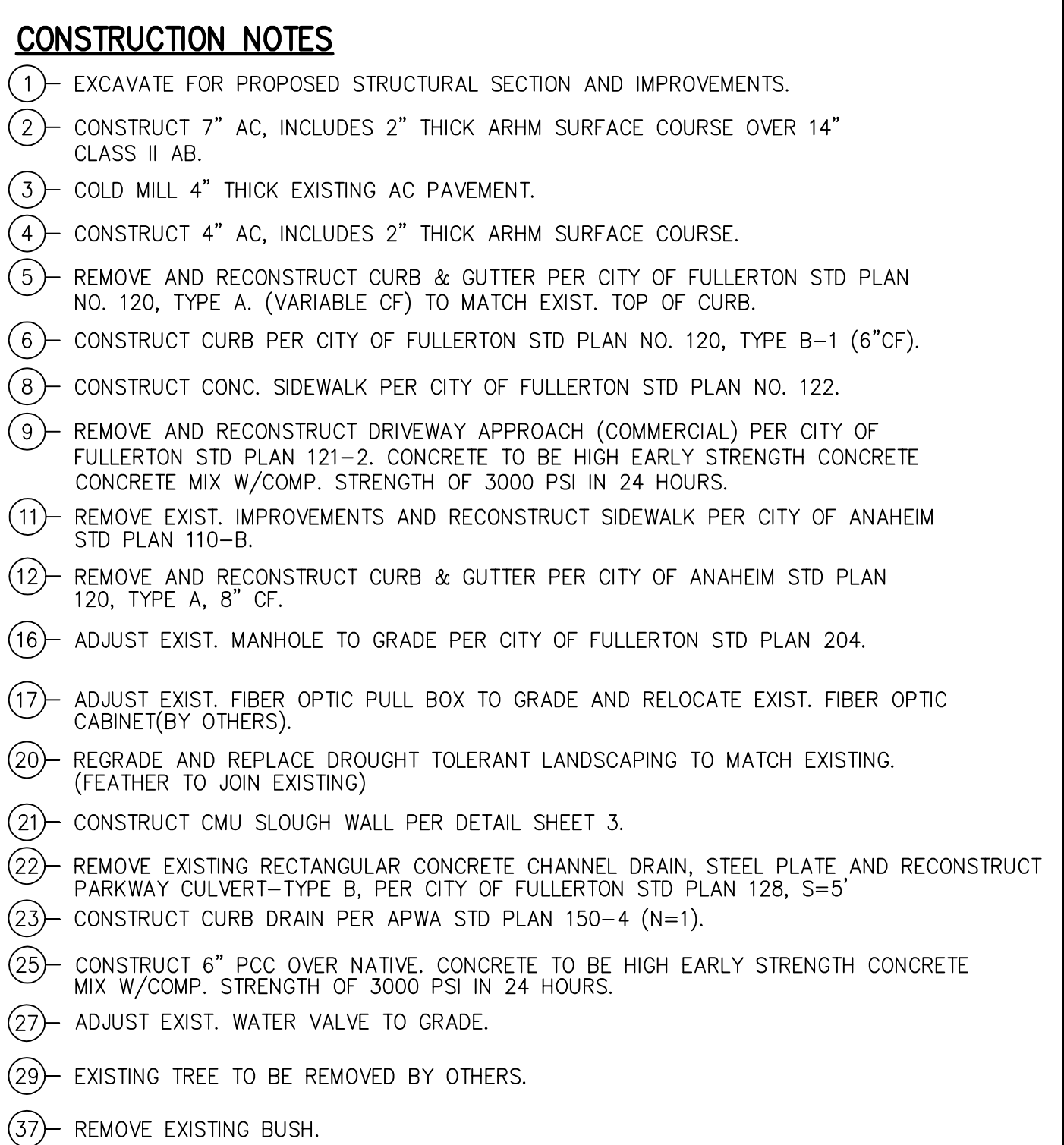
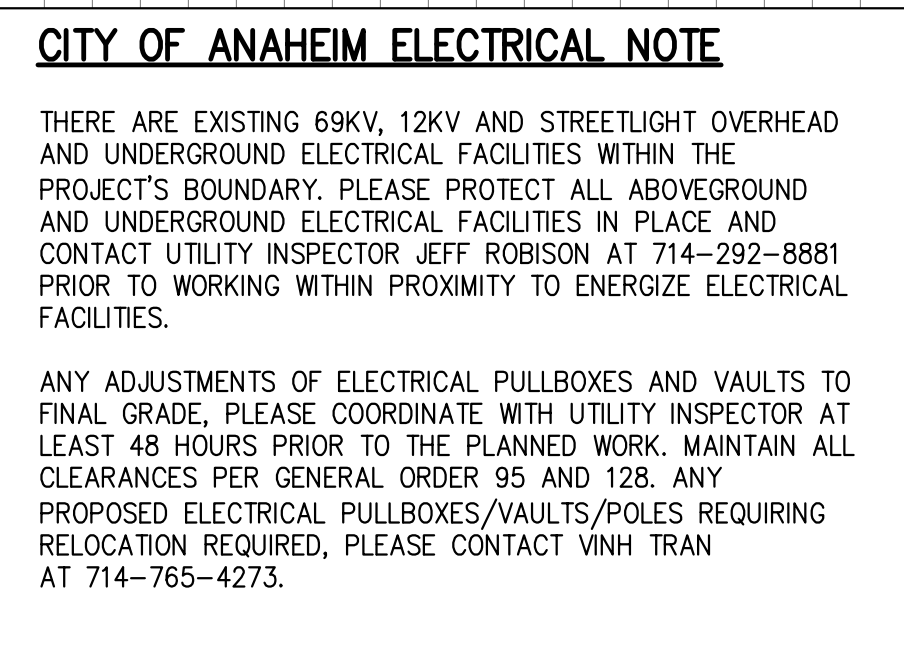
SEE DRIVEWAY  
DETAIL SHEET 3  
CONTRACTOR CAN CLOSE ONLY ONE DRIVEWAY PER PARCEL. CURING TIME SHALL BE OVER THE WEEKEND WHEN FEASIBLE. SEE SPECS FOR DETAILS.




SEE DRIVEWAY  
DETAIL SHEET 3  
CONTRACTOR CAN CLOSE ONLY ONE DRIVEWAY PER PARCEL. CURING TIME SHALL BE OVER THE WEEKEND WHEN FEASIBLE. SEE SPECS FOR DETAILS.

GRAPHIC SCALE




( IN FEET )  
1 inch = 20 ft.



<b>LEGEND</b>	
	2" COLD MILL AND 2" AC OVERLAY
	4" AC INCLUDES 2" AC SURFACE COURSE
	7" AC INCLUDES 2" AC SURFACE COURSE OVER 14" CLASS II AB

**DMS**  
**CONSULTANTS, INC.**  
**CIVIL ENGINEERS**  
12371 Lewis St. #203 Garden Grove, CA. 92640 P. 714-740-8840 F. 714-740-8842



  
SIGNATURE

06/11/24  
DATE

R E V I S I O N S				INITIALS	DATE
NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24
			DESIGNED	SD	04/24
			REVIEWED	--	--
			STREET		
			SEWER		
			DRAINAGE		
			WATER		
			TRAFFIC		
			UTILITY/ELEC		
			LANDSCAPE		
			FACILITIES		
			GENERAL ENG		
			DESIGN ENG		
			INSPECTION		
			PARKS & REC		
			AS--BUILT		

**CITY OF FULLERTON**  
**PUBLIC WORKS DEPARTMENT**

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

STREET IMPROVEMENTS-ORANGETHORPE AVE  
FROM STA. 20+00 TO STA. 25+00

APPROVED:

ACCEPTED:

DATE \_\_\_\_\_ CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR \_\_\_\_\_

DATE \_\_\_\_\_ PUBLIC WORKS DIRECTOR \_\_\_\_\_

SCALE: 1" = 30'

SHEET 15 OF 21 SHEETS

B.M.: CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90'  
P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E  
CURB OF RAYMOND, 1' N. OF E.C.R.

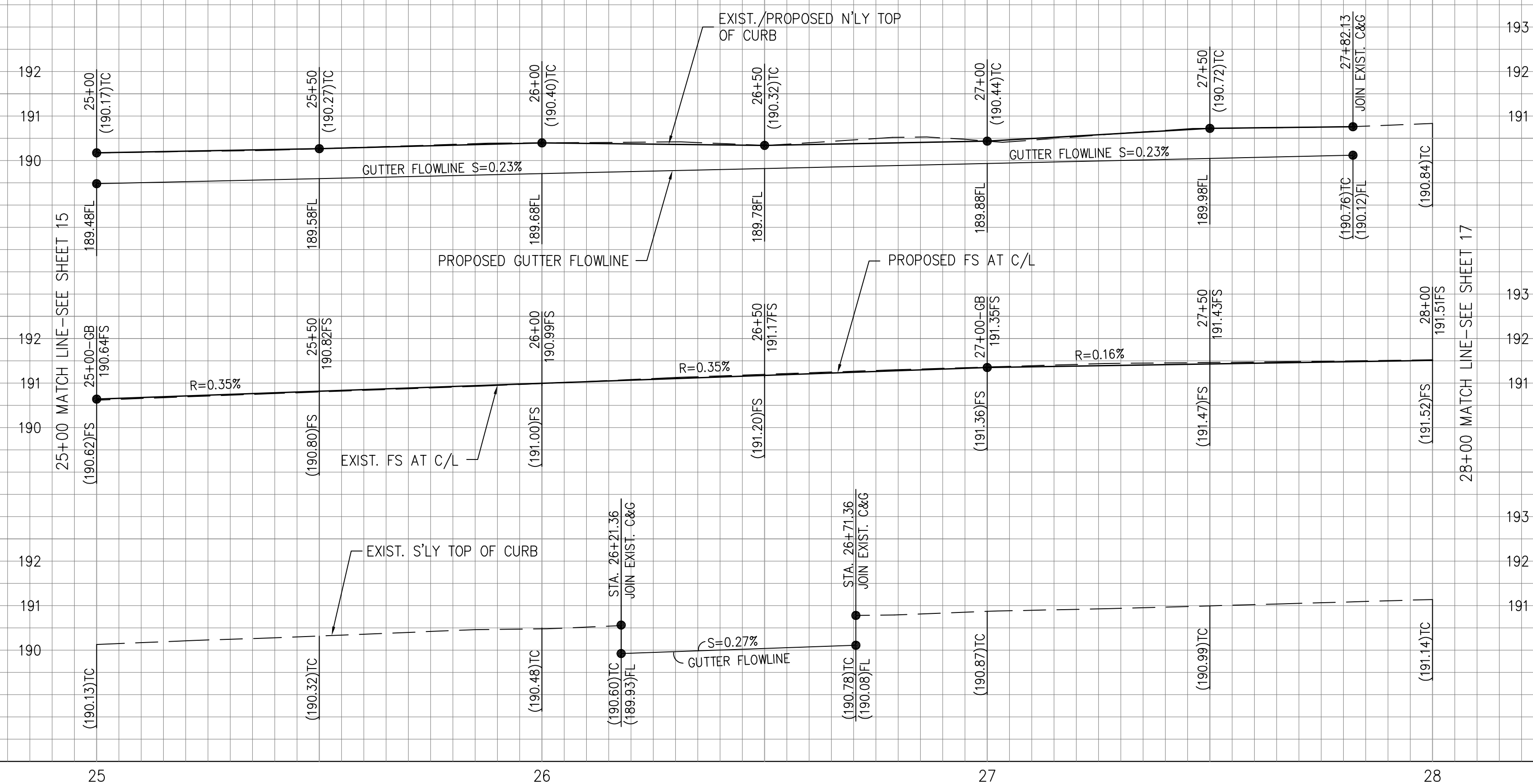
FILE:	7082
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CITY OF ANAHEIM ELECTRICAL NOTE

THERE ARE EXISTING 69KV, 12KV AND STREETLIGHT OVERHEAD AND UNDERGROUND ELECTRICAL FACILITIES WITHIN THE PROJECT'S BOUNDARY. PLEASE PROTECT ALL ABOVEGROUND AND UNDERGROUND ELECTRICAL FACILITIES IN PLACE AND CONTACT UTILITY INSPECTOR JEFF ROBISON AT 714-292-8881 PRIOR TO WORKING WITHIN PROXIMITY TO ENERGIZE ELECTRICAL FACILITIES.

ANY ADJUSTMENTS OF ELECTRICAL PULLBOXES AND VAULTS TO FINAL GRADE, PLEASE COORDINATE WITH UTILITY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE PLANNED WORK. MAINTAIN ALL CLEARANCES PER GENERAL ORDER 95 AND 128. ANY PROPOSED ELECTRICAL PULLBOXES/VAULTS/POLES REQUIRING RELOCATION REQUIRED, PLEASE CONTACT VINH TRAN AT 714-765-4273.



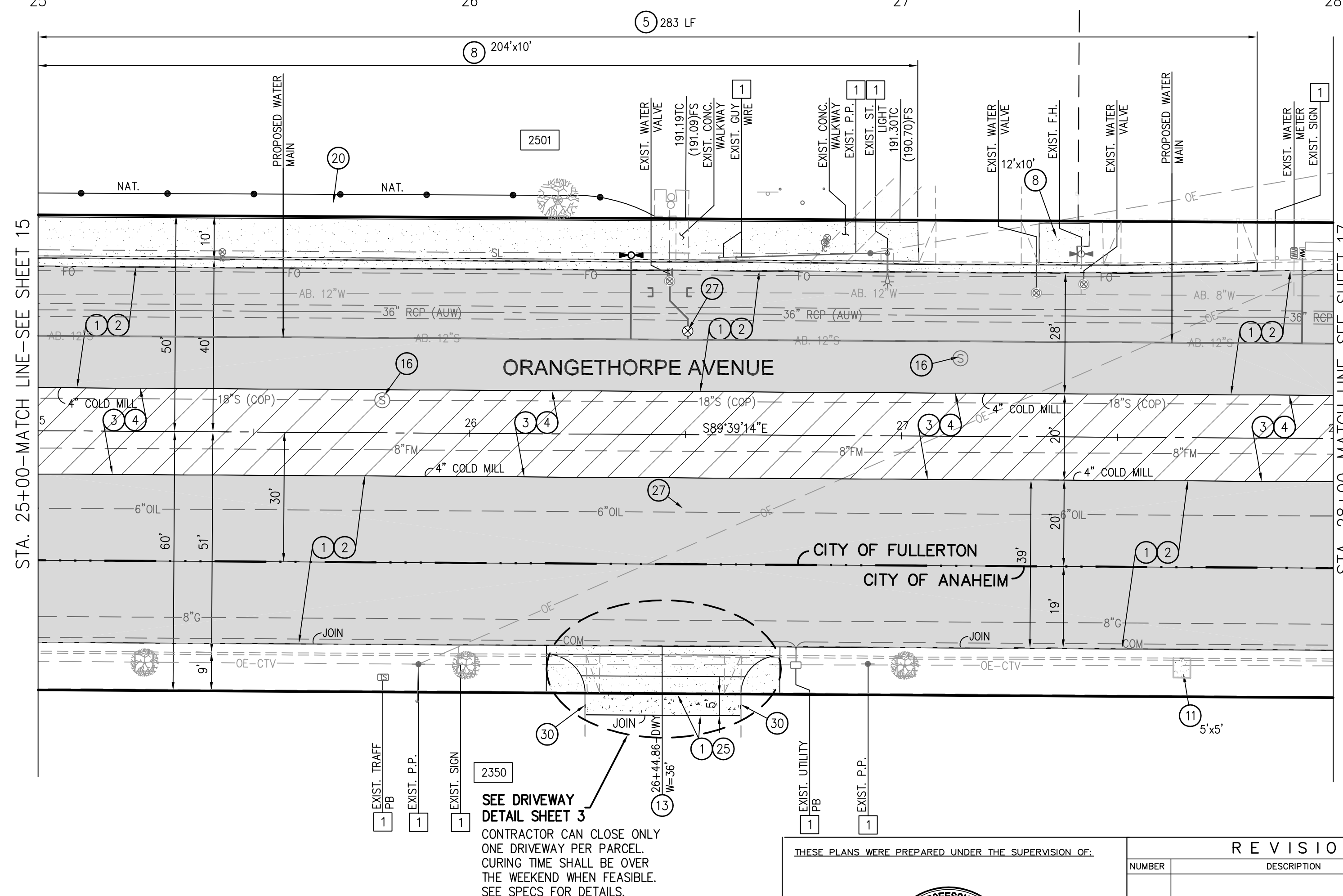
PROFILE SCALE	
HORIZ.	1"=20'
VERT.	1"= 2'

### CONSTRUCTION NOTES




- (1) EXCAVATE FOR PROPOSED STRUCTURAL SECTION AND IMPROVEMENTS.
- (2) CONSTRUCT 7" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER 14" CLASS II AB.
- (3) COLD MILL 4" THICK EXISTING AC PAVEMENT.
- (4) CONSTRUCT 4" AC, INCLUDES 2" THICK ARHM SURFACE COURSE.
- (5) REMOVE AND RECONSTRUCT CURB & GUTTER PER CITY OF FULLERTON STD PLAN NO. 120, TYPE A. (VARIABLE CF) TO MATCH EXIST. TOP OF CURB.
- (8) CONSTRUCT CONC. SIDEWALK PER CITY OF FULLERTON STD PLAN NO. 122.
- (11) REMOVE EXIST. IMPROVEMENTS AND RECONSTRUCT SIDEWALK PER CITY OF ANAHEIM STD PLAN 110-B.
- (13) REMOVE AND RECONSTRUCT DRIVEWAY APPROACH PER CITY OF ANAHEIM STD PLAN 115-B. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- (16) ADJUST EXIST. MANHOLE TO GRADE PER CITY OF FULLERTON STD PLAN 204.
- (20) REGRADE AND REPLACE DROUGHT TOLERANT LANDSCAPING TO MATCH EXISTING. (FEATHER TO JOIN EXISTING)
- (25) CONSTRUCT 6" PCC OVER NATIVE. CONCRETE TO BE HIGH EARLY STRENGTH CONCRETE MIX W/COMP. STRENGTH OF 3000 PSI IN 24 HOURS.
- (27) ADJUST EXIST. WATER VALVE TO GRADE.
- (30) REMOVE AND RECONSTRUCT CURB PER CITY OF ANAHEIM STD PLAN 120, TYPE C, 6" CF.

DISPOSITION NOTE

- 1** PROTECT IN PLACE



## LEGEND

- |   |   |
|---|---|
|  | 2" COLD MILL AND 2" AC OVERLAY                              |
|  | 4" AC INCLUDES 2" AC SURFACE COURSE                         |
|  | 7" AC INCLUDES 2" AC SURFACE COURSE OVER 1 1/2" CLASS II AB |

**DMS**  
**CONSULTANTS, INC.**  
**CIVIL ENGINEERS**  
12371 Lewis St. #203 Garden Grove, CA. 92640 P. 714-740-8840 F. 714-740-8842



THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

06/11/24  
DATE

R E V I S I O N S			INITIALS	DATE
NUMBER	DESCRIPTION	DATE		
			DRAWN	04/24
			DESIGNED	04/24
			REVIEWED	SD
			STREET	—
			SEWER	
			DRAINAGE	
			WATER	
			TRAFFIC	
			UTILITY/ELEC	
			LANDSCAPE	
			FACILITIES	
			GENERAL ENG	
			DESIGN ENG	
			INSPECTION	
			PARKS & REC	
			AS-BUILT	

**CITY OF FULLERTON**  
**PUBLIC WORKS DEPARTMENT**

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

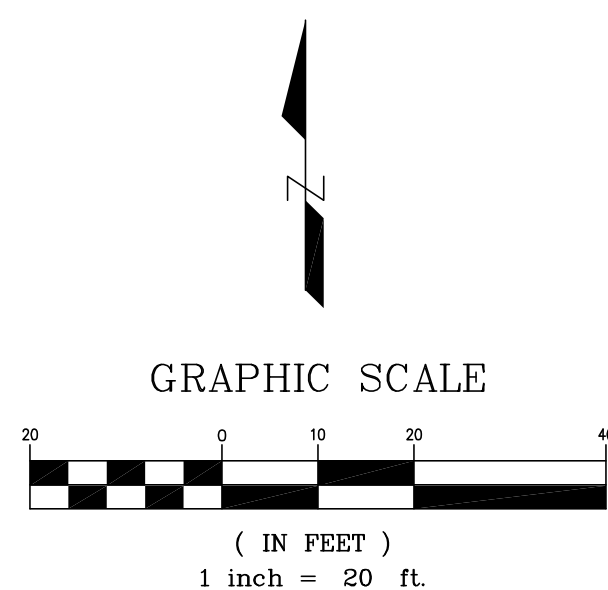
STREET IMPROVEMENTS-ORANGETHORPE AVE  
FROM STA. 25+00 TO STA. 28+00

<u>APPROVED:</u>	<u>ACCEPTED:</u>
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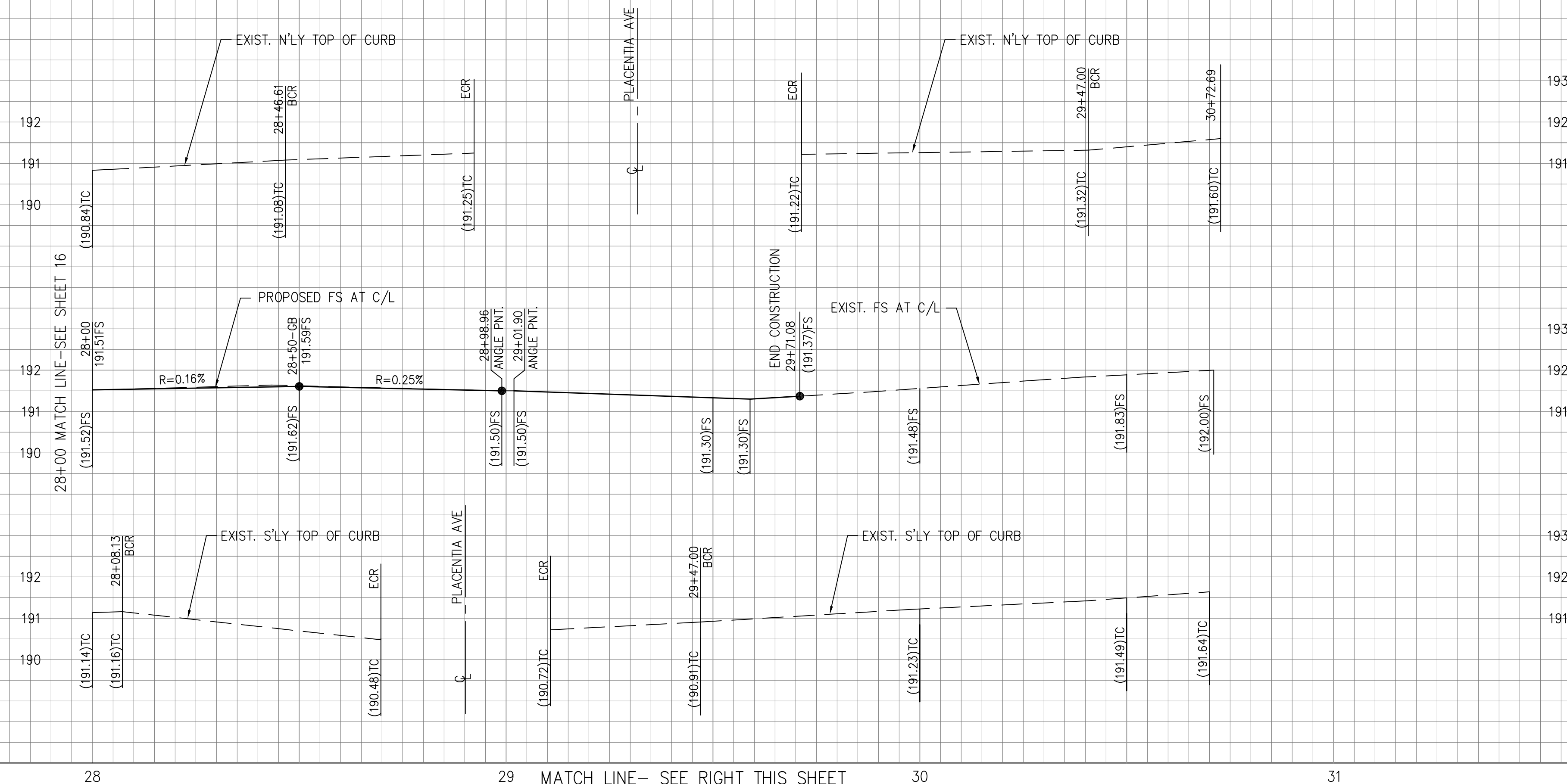
DATE	CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR	DATE	PUBLIC WORKS DIRECTOR
------	---	------	-----------------------

SCALE: 1" = 20'	SHEET 16 OF 21 SHEETS
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CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E. CURB OF RAYMOND 1' N. OF E.C.R.	FILE: 7082
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CITY OF ANAHEIM ELECTRICAL NOTE

THERE ARE EXISTING 69KV, 12KV AND STREETLIGHT OVERHEAD AND UNDERGROUND ELECTRICAL FACILITIES WITHIN THE PROJECT'S BOUNDARY. PLEASE PROTECT ALL ABOVEGROUND AND UNDERGROUND ELECTRICAL FACILITIES IN PLACE AND CONTACT UTILITY INSPECTOR JEFF ROBISON AT 714-292-8881 PRIOR TO WORKING WITHIN PROXIMITY TO ENERGIZE ELECTRICAL FACILITIES.




ANY ADJUSTMENTS OF ELECTRICAL PULLBOXES AND VAULTS TO FINAL GRADE, PLEASE COORDINATE WITH UTILITY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE PLANNED WORK. MAINTAIN ALL CLEARANCES PER GENERAL ORDER 95 AND 128. ANY PROPOSED ELECTRICAL PULLBOXES/VAULTS/POLES REQUIRING RELOCATION REQUIRED, PLEASE CONTACT VINH TRAN AT 714-765-4273.

PROFILE SCALE	
HORIZ.	1"=20'
VERT.	1"= 2'

### CONSTRUCTION NOTES

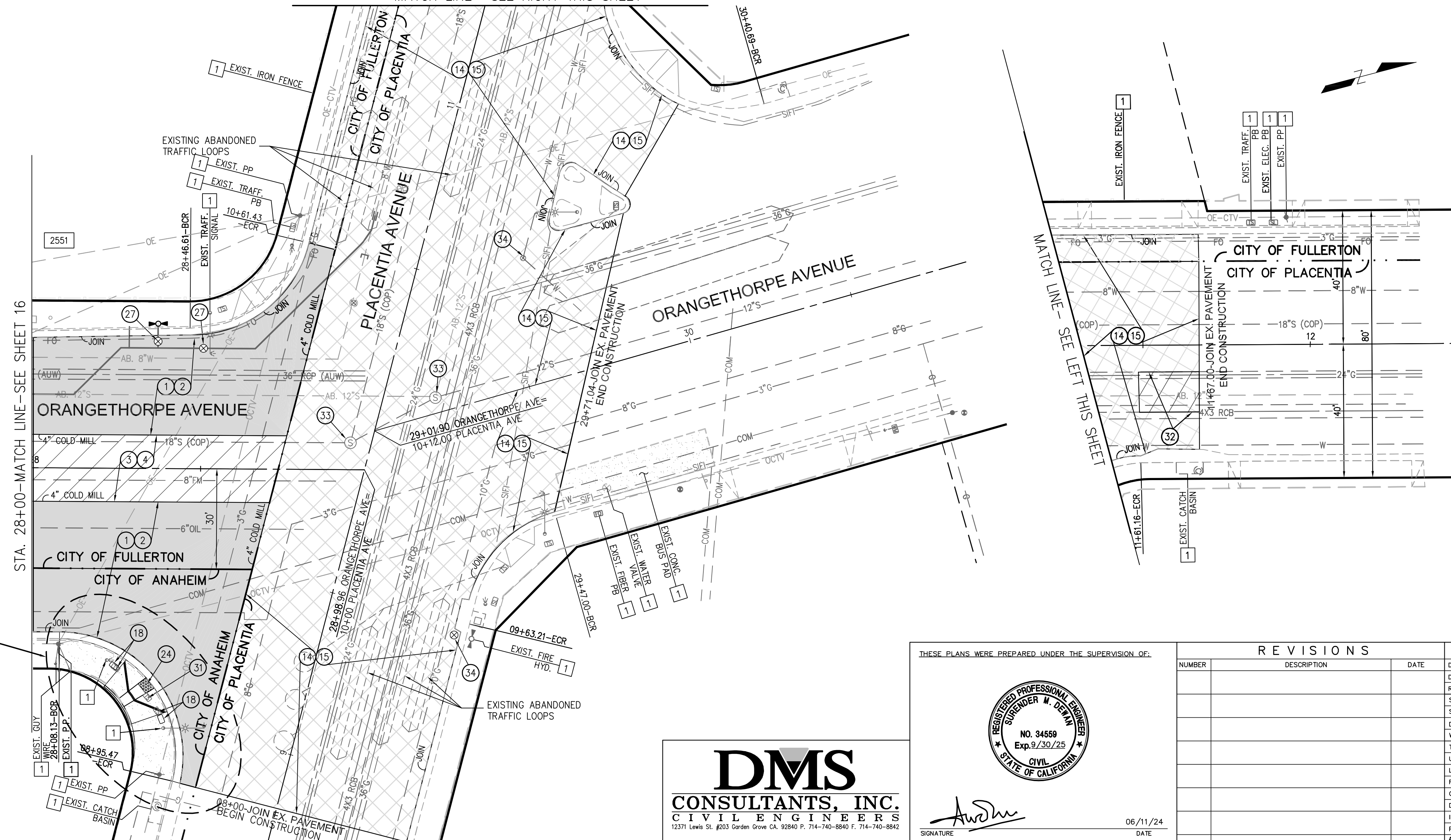
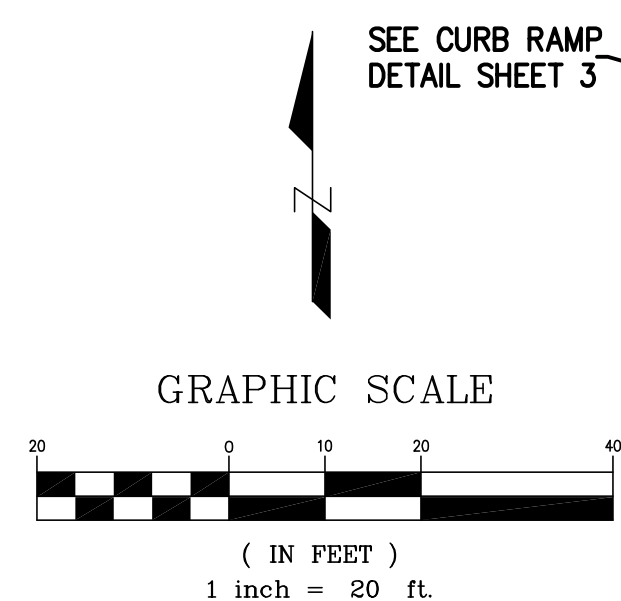
- (1) EXCAVATE FOR PROPOSED STRUCTURAL SECTION AND IMPROVEMENTS.
- (2) CONSTRUCT 7" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER 14" CLASS II AB.
- (3) COLD MILL 4" THICK EXISTING AC PAVEMENT.
- (4) CONSTRUCT 4" AC, INCLUDES 2" THICK ARHM SURFACE COURSE.
- (14) COLD MILL 2" THICK EXISTING AC PAVEMENT.
- (15) CONSTRUCT 2" THICK ARHM OVERLAY.
- (16) ADJUST EXIST. SEWER/STORM DRAIN MANHOLE TO GRADE PER CITY OF FULLERTON
- (18) REMOVE AND REPLACE EXIST. PULL BOX OUTSIDE CURB RETURN PER CITY OF ANAHEIM STANDARDS.
- (24) REMOVE EXIST. CURB AND GUTTER AND SIDEWALK AND RECONSTRUCT PCC CURB RAMP PER APWA STD PLAN 111-3 WITH DETECTABLE WARNING SURFACE (3'x4' TRUNCATED DOMES, DARK GREY IN COLOR) CASE B, TYPE 1.
- (27) ADJUST EXIST. WATER VALVE TO GRADE.
- (31) REMOVE EXIST. ABANDONED TRAFFIC SIGNAL PULL BOX PER CITY OF ANAHEIM STANDARDS.
- (32) CONSTRUCT 8" AC, INCLUDES 2" THICK ARHM SURFACE COURSE OVER EXISTING BASE.
- (33) ADJUST EXIST. MANHOLE TO GRADE PER CITY OF PLACENTIA STANDARDS.
- (34) ADJUST EXIST. WATER VALVE TO GRADE PER GOLDEN STATE WATER COMPANY STANDARDS.

### LEGEND

- |   |  |
|---|--|
|  | 2" COLD MILL AND 2" AC OVERLAY                           |
|  | 4" AC INCLUDES 2" AC SURFACE COURSE                      |
|  | 7" AC INCLUDES 2" AC SURFACE COURSE OVER 14" CLASS II AB |

DISPOSITION NOTE

- 1 PROTECT IN PLACE



THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



  
SIGNATURE

06/11/24  
DATE

REVISIONS			INITIALS		DATE	
NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24	
			DESIGNED	SD	04/24	
			REVIEWED	—	—	
			STREET			
			SEWER			
			DRAINAGE			
			WATER			
			TRAFFIC			
			UTILITY/ELEC			
			LANDSCAPE			
			FACILITIES			
			GENERAL ENG			
			DESIGN ENG			
			INSPECTION			
			PARKS & REC			
			AS-BUILT			

## CITY OF FULLERTON

### PUBLIC WORKS DEPARTMENT

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

## STREET IMPROVEMENTS-PLACENTIA AVE


FROM STA. 25+00 TO STA. 30+70.00

<b>APPROVED:</b>		<b>ACCEPTED:</b>	
DATE _____ CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR		DATE _____ PUBLIC WORKS DIRECTOR	
SCALE: 1" = 20'		SHEET 17 of 21 SHEETS	
CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E.		FILE: 7082	

(P1)	INSTALL 6" WHITE LANE LINE WITH RAISED MARKER (CALTRANS DETAIL 9)
(P3)	INSTALL 8" SOLID WHITE CHANNELIZING LINE. (CALTRANS DETAIL 38)
(P4)	INSTALL PAVEMENT MARKING SYMBOL AS SHOWN. (CALTRANS STD. PLAN A24B & C)
(P6)	INSTALL 6" DOUBLE YELLOW LINE (CALTRANS DETAIL 22)
(P7)	INSTALL TWO WAY LEFT TURN LANE (CALTRANS DETAIL 32).
(P10)	INSTALL CENTERLINE EXTENSIONS THROUGH INTERSECTIONS (CALTRANS DETAIL 40).
(P11)	INSTALL 6" WHITE BIKE LANE (CALTRANS STD. PLAN A20D, DETAIL 39)
(P12)	INSTALL 6" WHITE BIKE LANE INTERSECTION LINE (CALTRANS STD. PLAN A20D, DETAIL 39A).

1. SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD PLANS AND STANDARD SPECIFICATIONS AND THE CALIFORNIA MUTCD, LATEST EDITIONS.
2. ALL TRAFFIC LINES, LEGENDS, LIMIT LINES, STOP BARS AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC EXCEPT SPEED LIMIT LEGENDS SHALL BE PAINT.
3. REMOVAL OF ALL CONFLICTING LINES AND MARKINGS SHALL BE BY WET SANDBLASTING ONLY.
4. ALL LANE LINES AT INTERSECTION APPROACHES AND DEPARTURES SHALL BEGIN AND END WITH  $\pm 50$  FEET OF 6-INCH SOLID WHITE.
5. EXIST. RAISED PAVEMENT MARKERS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR.
6. LANE WIDTHS SHALL BE MEASURED BETWEEN THE CENTERLINES OF EACH ADJACENT SINGLE OR DOUBLE STRIPE OR TOP OF CURB, AS APPROPRIATE.



  
SIGNATURE

06/11/24  
DATE

REVISONS			INITIALS	DATE	CITY OF FULLERTON	
NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24	<b>PUBLIC WORKS DEPARTMENT</b>  ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS CIP PROJECT 44062
			DESIGNED	SD	04/24	
			REVIEWED	--	--	
			STREET			
			SEWER			
			DRAINAGE			
			WATER			
			TRAFFIC			
			UTILITY/ELEC			
			LANDSCAPE			
			FACILITIES			APPROVED: _____  DATE _____ CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR
			GENERAL ENG			ACCEPTED: _____  DATE _____ PUBLIC WORKS DIRECTOR
			DESIGN ENG			SCALE: 1" = 20'  CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E.
			INSPECTION			SHEET 18 OF 21 SHEETS  FILE: MISC 5381
			PARKS & REC			
			AS-BUILT			

STA. 12+00-MATCH LINE-SEE SHEET ABOVE LEFT

15'

10'

10'

10'

10'

10'

15'

ORANGETHORPE AVENUE

100'

P6

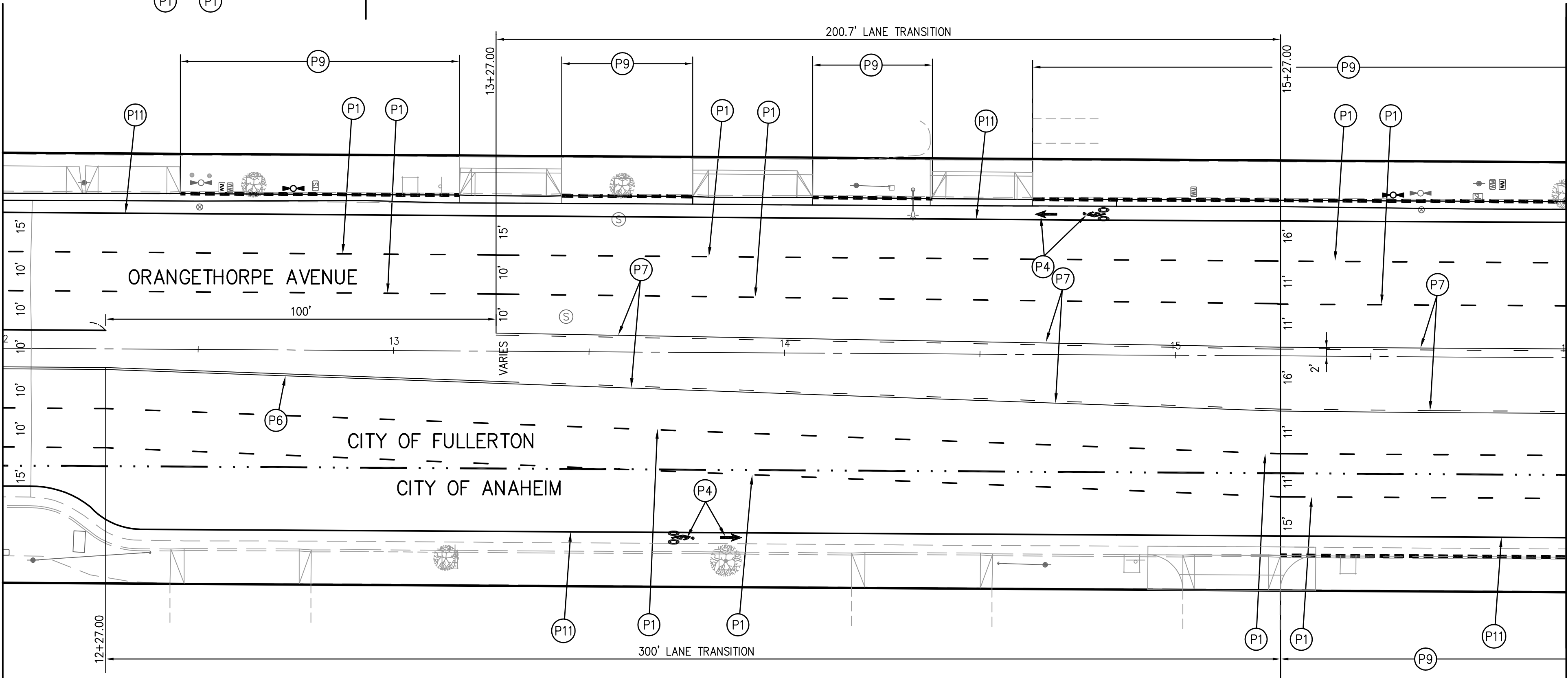
CI

12+27.00

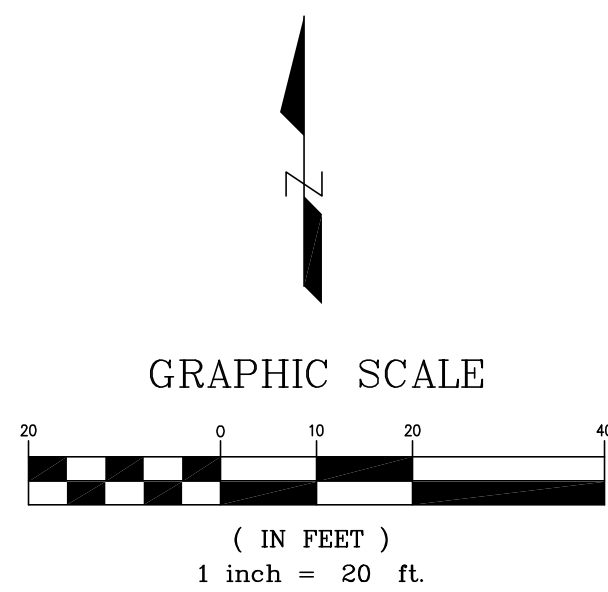
P1	INSTALL 6" WHITE LANE LINE WITH RAISED MARKER (CALTRANS DETAIL 9)
P2	INSTALL 6" SOLID WHITE LANE LINE, 50' LONG
P3	INSTALL 8" SOLID WHITE CHANNELIZING LINE. (CALTRANS DETAIL 38)
P4	INSTALL PAVEMENT MARKING SYMBOL AS SHOWN. (CALTRANS STD. PLAN A24B & C)
P5	INSTALL 12" SOLID WHITE THERMOPLASTIC CROSSWALK LINE, OR STOP BAR
P6	INSTALL 6" DOUBLE YELLOW LINE (CALTRANS DETAIL 22)
P7	INSTALL TWO WAY LEFT TURN LANE (CALTRANS DETAIL 32).
P8	INSTALL CROSSWALK 11' WIDE, WHITE CONTINENTAL TYPE SEE DETAIL A SHEET 21.
P9	PAINT TOP & FACE OF CURB RED.
P10	INSTALL CENTERLINE EXTENSIONS THROUGH INTERSECTIONS (CALTRANS DETAIL 40).
P11	INSTALL 6" WHITE BIKE LANE (CALTRANS STD. PLAN A20D, DETAIL 39)
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STA. 12+00—MATCH LINE—SEE SHEET ABOVE LEFT



STA. 16+00—MATCH LINE—SEE SHEET 20



**LEGEND**  
 RED CURB

**DMS**  
**CONSULTANTS, INC.**  
**CIVIL ENGINEERS**  
12371 Lewis St. #203 Garden Grove CA 92640 F. 714-740-8840 F. 714-740-8842



  
SIGNATURE

06/11/24  
DATE

NUMBER	DESCRIPTION	DATE	DRAWN	NC	04/24
			DESIGNED	SD	04/24
			REVIEWED	--	--
			STREET		
			SEWER		
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			GENERAL ENG		
			DESIGN ENG		
			INSPECTION		
			PARKS & REC		
			AS-BUILT		

ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS  
CIP PROJECT 44062

DATE \_\_\_\_\_ CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR \_\_\_\_\_

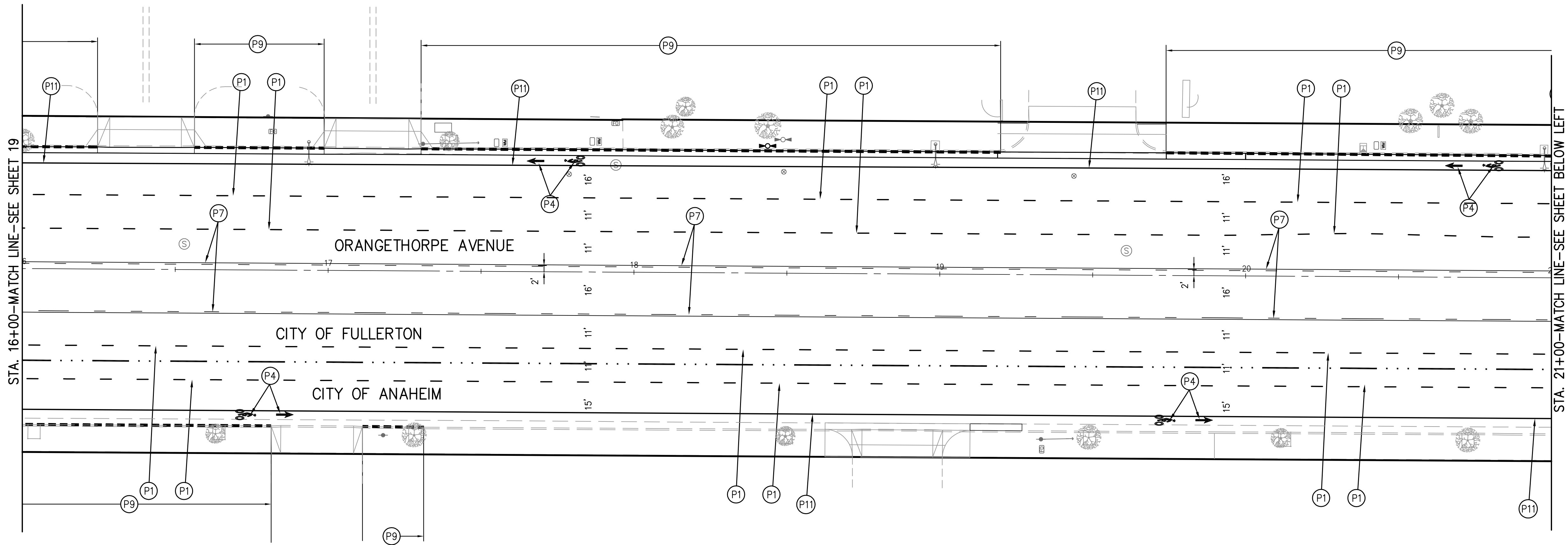
DATE PUBLIC WORKS DIRECTOR

B.M.: CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90'  
P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE,  
CURB OF RAYMOND, 1' N. OF E.C.R.

SHEET 19 OF 21 SHEETS

FILE: MISC 5381



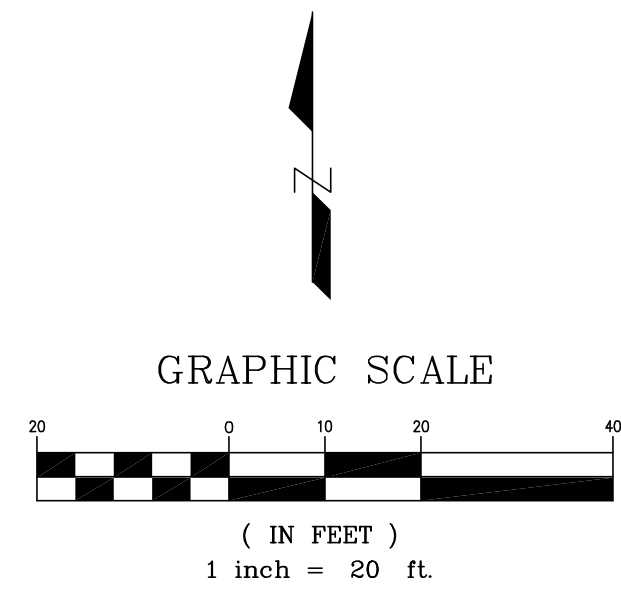
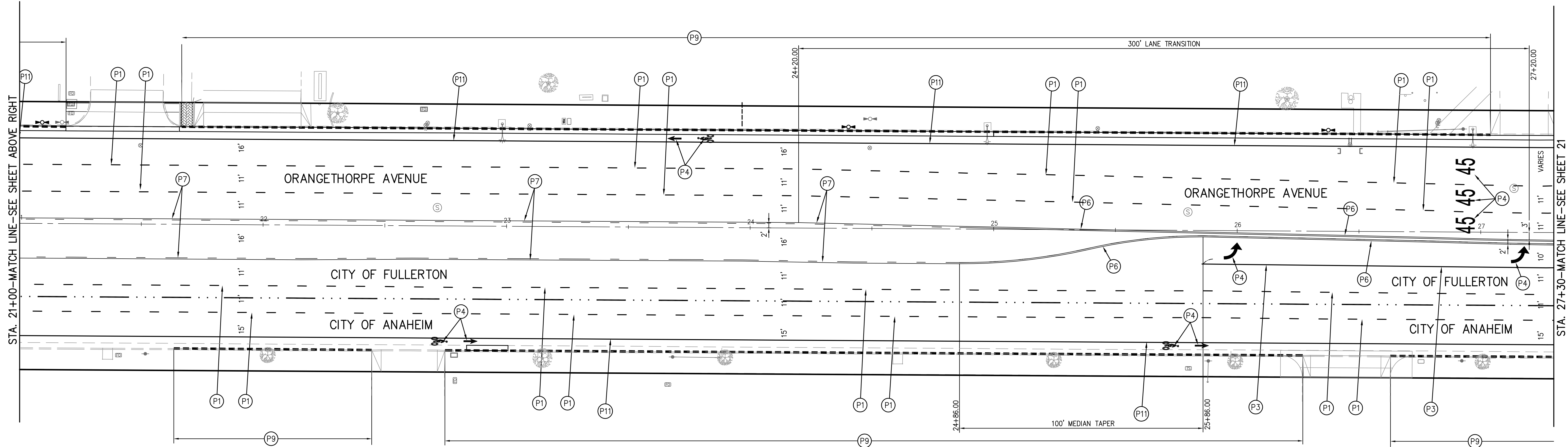


CONSTRUCTION NOTES (STRIPING PLAN)

- P1 INSTALL 6" WHITE LANE LINE WITH RAISED MARKER (CALTRANS DETAIL 9)
- P2 INSTALL 6" SOLID WHITE LANE LINE, 50' LONG
- P3 INSTALL 8" SOLID WHITE CHANNELIZING LINE. (CALTRANS DETAIL 38)
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- P9 PAINT TOP & FACE OF CURB RED.
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CIVIL ENGINEERS  
12371 Lewis St., #203 Garden Grove, CA 92640 P: 714-740-8840 F: 714-740-8842

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

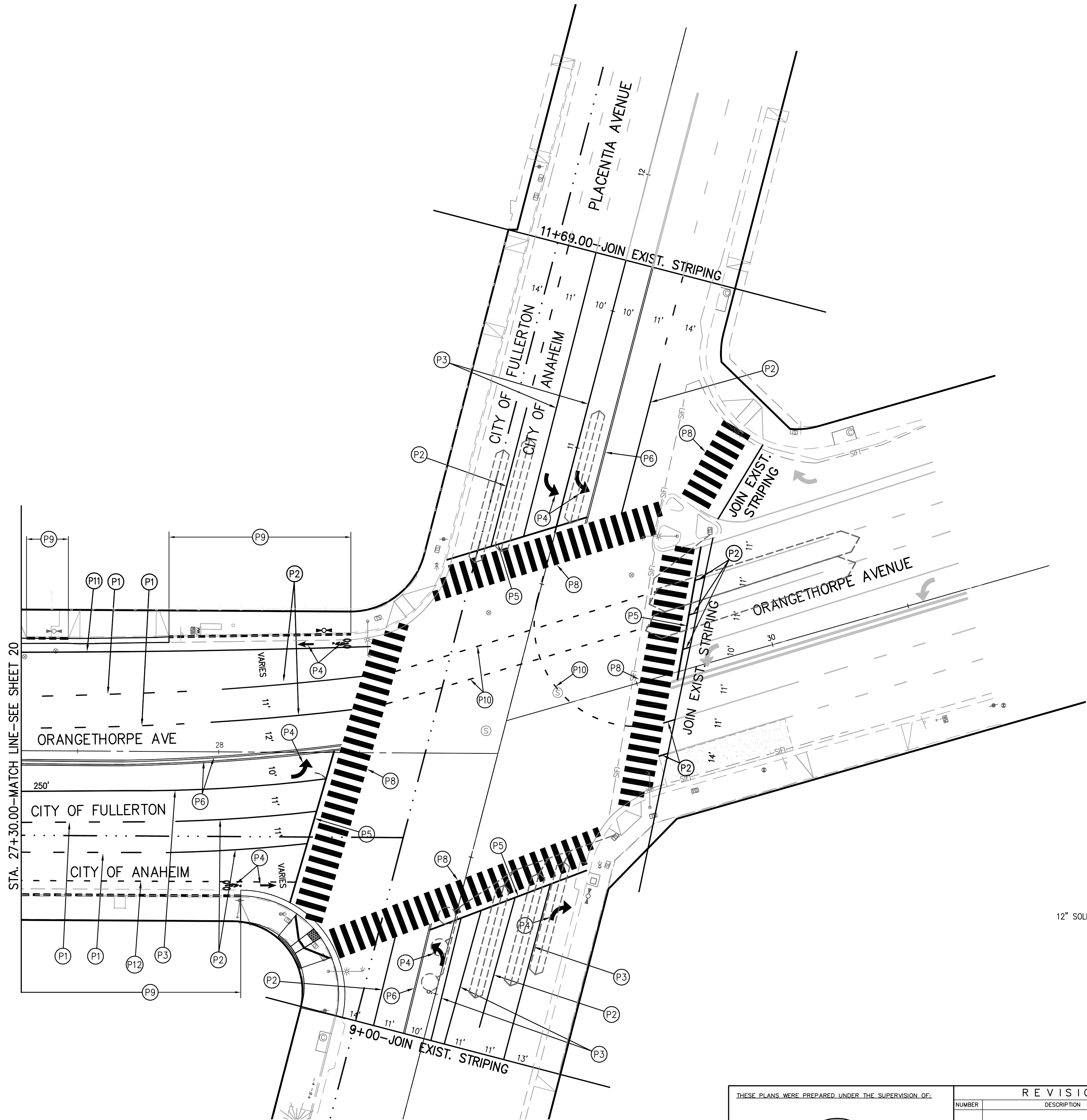


*Sander M. Dehnan*  
SIGNATURE

06/11/24  
DATE

REVISIONS			INITIALS	DATE
NUMBER	DESCRIPTION	DATE		
	DESIGNED		NC	04/24
	REVIEWED		SD	04/24
	STREET			
	SEWER			
	DRAINAGE			
	WATER			
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	LANDSCAPE			
	FACILITIES			
	GENERAL ENG			
	DESIGN ENG			
	INSPECTION			
	PARKS & REC			
	AS-BUILT			

CITY OF FULLERTON	
PUBLIC WORKS DEPARTMENT	
ORANGETHORPE AVENUE INFRASTRUCTURE IMPROVEMENTS CIP PROJECT 44062	
APPROVED:	ACCEPTED:
DATE	CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR
DATE	PUBLIC WORKS DIRECTOR
SCALE: 1" = 20'	SHEET 20 OF 21 SHEETS
CITY OF FULLERTON BM NO.: 35-37 ELEV = 173.90' B.M.: P.K. NAIL IN LEAD, N.E. COR. RAYMOND AND WILSHIRE, E. CURB OF RAYMOND, 1' N. OF E.C.B.	
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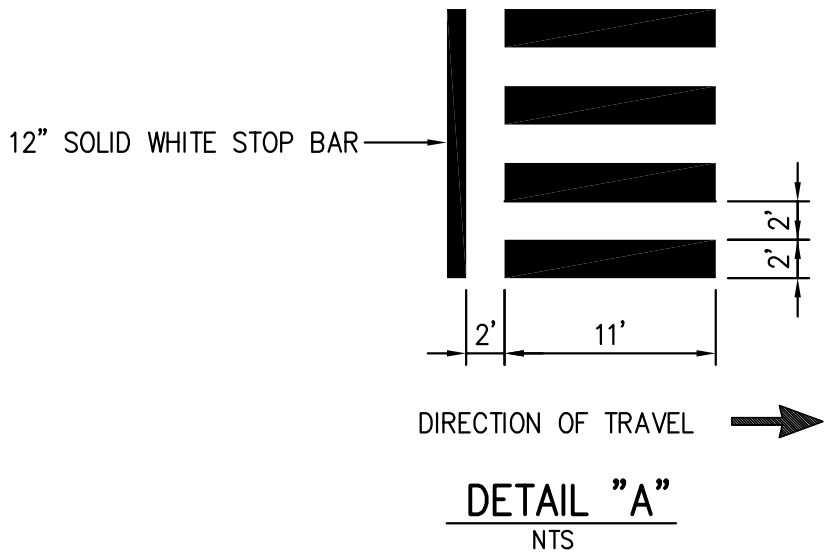


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THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

**REGISTERED PROFESSIONAL ENGINEER**  
SUNDER M. DEYAN  
NO. 34559  
Exp. 9/30/25  
CIVIL  
STATE OF CALIFORNIA

*Sunder M. Deyan*  
SIGNATURE

06/11/24  
DATE

REVISIONS			INITIALS	DATE
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			STREET	
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**CITY OF FULLERTON**  
**PUBLIC WORKS DEPARTMENT**

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SHEET 21 of 21 SHEETS

FILE: MISC 5381