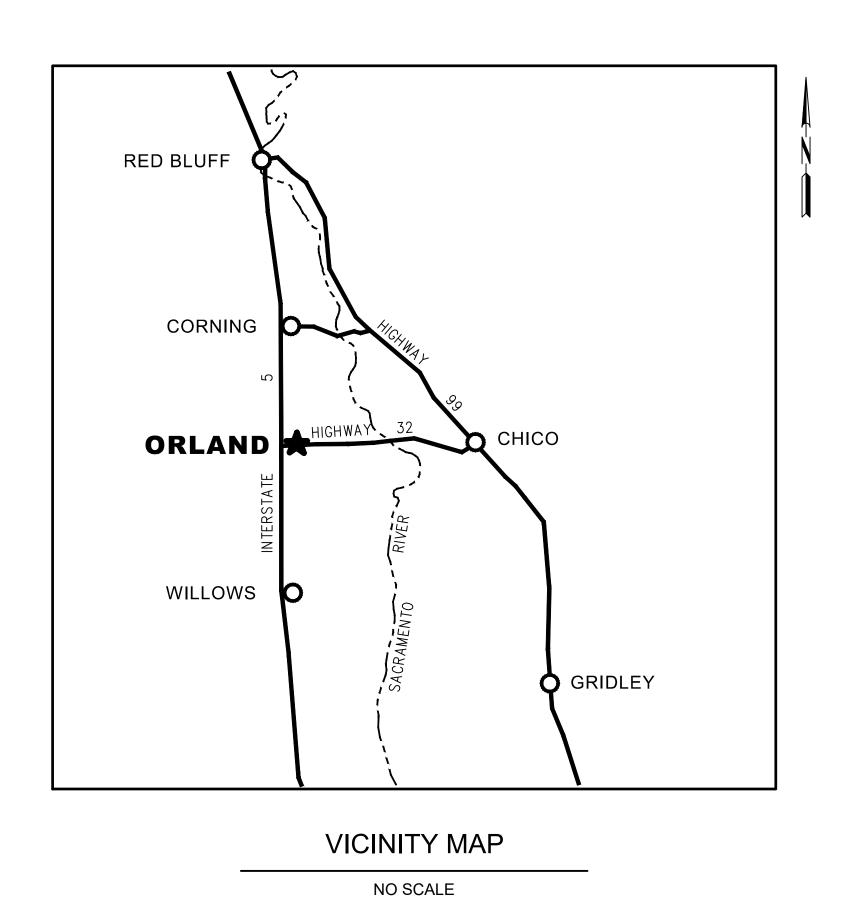
### STATE OF CALIFORNIA

#### CALIFORNIA NATURAL RESOURCES AGENCY

# DEPARTMENT OF WATER RESOURCES

DIVISION OF INTEGRATED REFIONAL WATER MANAGEMENT
SMALL COMMUNITY DROUGHT RELIEF PROGRAM
CITY OF ORLAND
ORLAND EMERGENCY GROUNDWATER RESOURCE PROJECT
PHASE 2C UNIT #1



SHEET INDEX

TITLE SHEET

LAYOUT SHEET

3-5 SERVICE LOCATIONS

6 DETAILS



**LOCATION MAP** 

NO SCALE

## APPROVED BY:



P C R

PAUL W. RABO, RCE 72209
CITY ENGINEER
REGISTRATION EXPIRES: 6-30-26
DATE: 4-4-25

## PREPARED BY:

RAR

ROLLS ANDERSON & ROLLS

CIVIL ENGINEERS

115 YELLOWSTONE DRIVE CHICO, CALIFORNIA 95973-5811

#### GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, SPECIFICATIONS AND THE CITY OF ORLAND IMPROVEMENT STANDARDS. WHERE THE PLANS AND SPECIFICATIONS DO NOT AGREE WITH THE CITY OF ORLAND IMPROVEMENT STANDARDS, THE PLANS AND SPECIFICATIONS SHALL GOVERN.
- 2. THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA NORTH) AT 811 AT LEAST THREE (3) WORKING DAYS PRIOR TO
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION.
- 4. THE CONTRACTOR SHALL APPLY EITHER WATER OR DUST PALLATIVE OR BOTH FOR THE ALLEVIATION OF DUST NUISANCE AS DIRECTED BY THE ENGINEER.
- THE CITY MAY TEST COMPACTION AT ANY LOCATION IN AREAS TO BE COMPACTED. THE CONTRACTOR SHALL PAY THE COST OF ALL FAILED TESTS.

- THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AT (530) 895-1422 AT LEAST 24 HOURS PRIOR TO BEGINNING OR RESUMING WORK ON THIS PROJECT.
- 7. THE CONTRACTOR SHALL COORDINATE ALL WORK ON THIS PROJECT WITH THE PUBLIC WORKS DIRECTOR AT (530) 865-1610. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL NOTIFY THE CITY OF ORLAND POLICE DEPARTMENT OFFICE (911).
- 8. LOW OVERHEAD POWER AND TELEPHONE FACILITIES EXIST ADJACENT TO THE PROJECT WORK AREA. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID THE OVERHEAD FACILITIES, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED FACILITIES.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT AREA. ANY EXISTING UTILITIES OR IMPROVEMENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- 10. BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED WITHIN FIVE (5) FEET OF THE WATER METER.



WATER SERVICE TABLE							
PARCEL ID	APN	ADDRESS	METER SIZE	WATER SERVICE SIZE	BACKFLOW PREVENTION ASSEMBLY		
					INSTALL BPA	SIZE	
01-01	045-140-026-000	6379 County Road 200	1"	1"	Yes	1"	
01-02	045-140-022-000	6372 County Road 200	1"	1"	Yes	1"	
01-03	045-140-021-000	6368 County Road 200	1"	1"	Yes	1"	
02-02	045-090-013-000	6337 Evergreen Circle	1"	1"	Yes	1"	
02-03	045-090-014-000	6336 Evergreen Circle	1"	1"	Yes	1"	
02-04	045-090-030-000	4536 County Road H	1"	1"	Yes	1"	
02-06	045-040-002-000	4564 County Road H	1"	1"	Yes	1"	
02-07	044-280-059-000	4599 County Road H	1"	1"	Yes	1"	
02-07	044-280-059-000	4601 County Road H	1"	1"	Yes	1"	
03-01	045-040-010-000	6343 Stone Ridge Drive	1"	1"	Yes	1"	
03-02	045-040-007-000	6344 Stone Ridge Drive	1"	1"	Yes	1"	
03-03	045-040-011-000	6349 Stone Ridge Drive	1"	1"	Yes	1"	
03-12*	045-040-013-000	6356 Stone Ridge Drive	1"	1"	Yes	1"	
03-04	045-040-014-000	6360 Stone Ridge Drive	1"	1"	Yes	1"	
03-05	045-040-017-000	6361 Stone Ridge Drive	1"	1"	Yes	1"	
03-06	045-040-015-000	6364 Stone Ridge Drive	1"	1"	Yes	1"	
03-07	045-040-026-000	6365 Stone Ridge Drive	1"	1"	Yes	1"	
03-08	045-040-021-000	6368 Stone Ridge Drive	1"	1"	Yes	1"	
03-09	045-040-025-000	6367 Stone Ridge Drive	1"	1"	Yes	1"	
03-10	045-040-024-000	6369 Stone Ridge Drive	1"	1"	Yes	1"	
03-11	045-040-022-000	6370 Stone Ridge Drive	1"	1"	Yes	1"	
04-01	045-040-031-000	6342 County Road 11	1"	1"	Yes	1"	
04-02	045-090-032-000	6375 County Road 11	1"	1"	Yes	1"	
04-03	045-090-033-000	6385 County Road 11	1"	1"	Yes	1"	
04-04	045-090-034-000	6395 County Road 11	1"	1"	Yes	1"	
04-05	045-090-026-000	6405 County Road 11	1"	1"	Yes	1"	
04-06	045-090-018-000	6345 County Road 11	1"	1"	Yes	1"	
04-07	045-090-031-000	6365 County Road 11	1"	1"	Yes	1"	
04-08	045-090-025-000	6399 County Road 11	1"	1"	No		

\*NOTE: SERVICE REQUIRES CONNECTION TO EXISTING WATER MAIN.

### LEGEND

_		
_	w	EXISTING UNDERGROUND WATER MAIN
-		PROPOSED WATER SERVICE (METER TO WELL OR POC)
	[M]	EXISTING WATER METER
		EXISTING RESIDENTIAL GROUNDWATER WELL
	M	PROPOSED WATER METER
	BPA	PROPOSED BACKFLOW PREVENTION ASSEMBLY
	POC	PROPOSED POINT OF CONNECTION PRIVATE WATER LIN
	01-01	PARCEL ID
	(N)	NATIVE
	(G)	GRAVEL
	(L)	LANDSCAPE
	(C)	CONCRETE
	(A)	ASPHALT CONCRETE



4-4-25

Paul W. Rabo

TE APRIL, 2025

PREPARED FOR :

CITY OF ORLAND









Paul W. Robo

DATE

APRIL, 2025

PREPARED FOR :

CITY OF ORLAND

RAR

ROLLS ANDERSON & ROLLS

CIVIL ENGINEERS

115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 95973-5811 • TELEPHONE 530-895-1422

ORLAND EMERGENCY GROUNDWATER RESOURCE PROJECT

PHASE 2C UNIT #1 - SERVICE LOCATIONS

GRAWING IN JOB NO. 1



DESIGNED PWR
DRAWN CAD

CHECKED KLD

DRAWING NO.

4 OF 6

JOB NO. 21016

APRIL, 2025









Paul W. Rabo

DATE APRIL, 2025

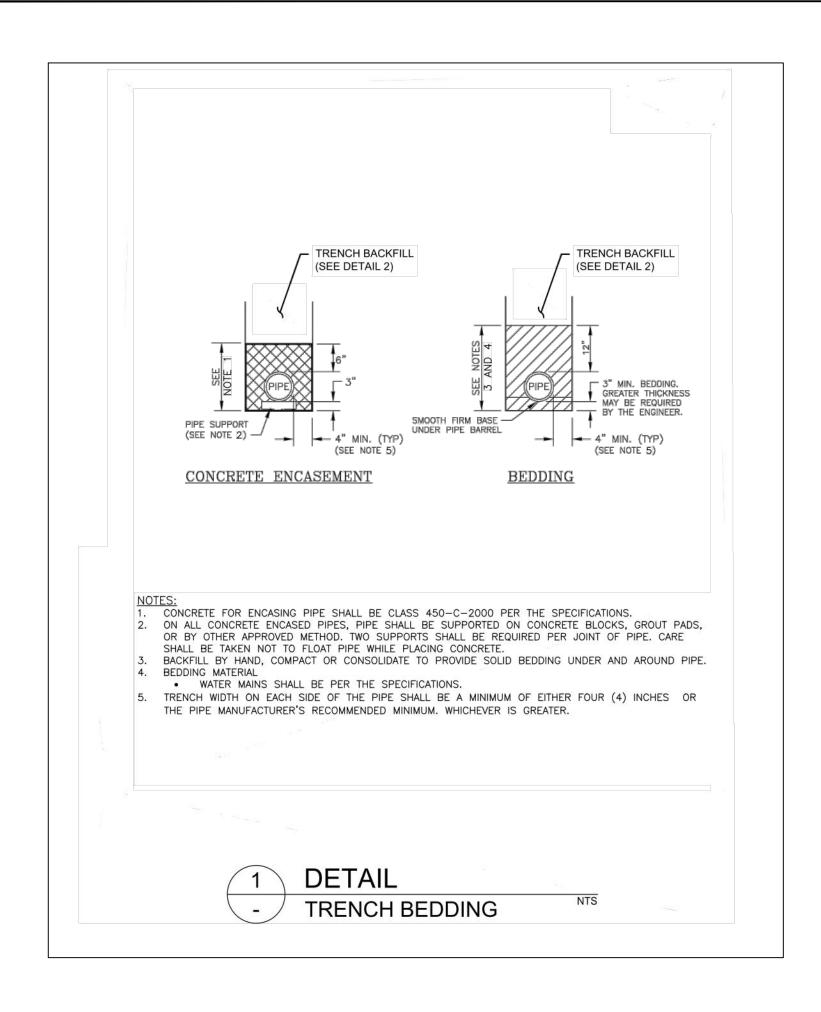
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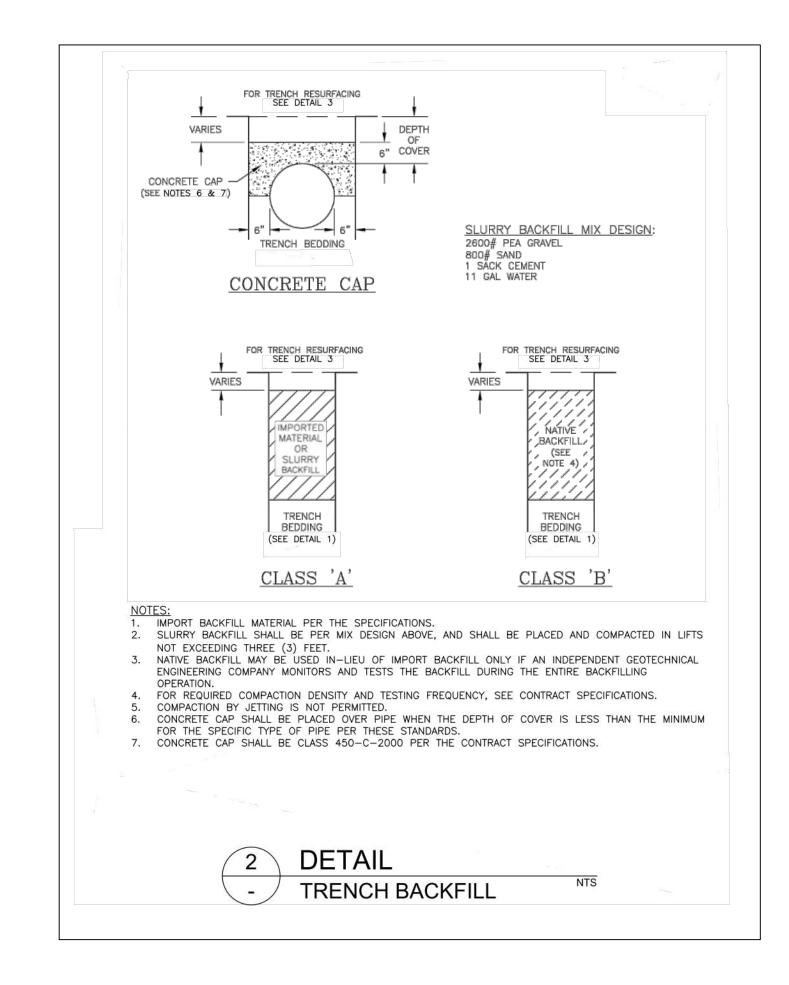
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ORLAND EMERGENCY GROUNDWATER RESOURCE PROJECT
PHASE 2C UNIT #1 - SERVICE LOCATIONS

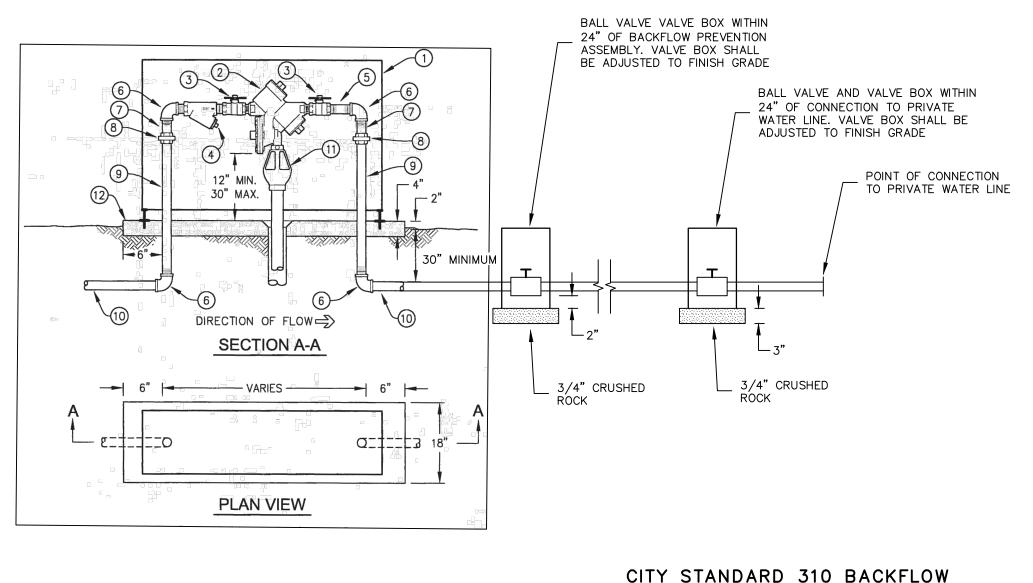
DESIGNED	PWR
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	<b>5</b> OF 6
JOB NO.	21016



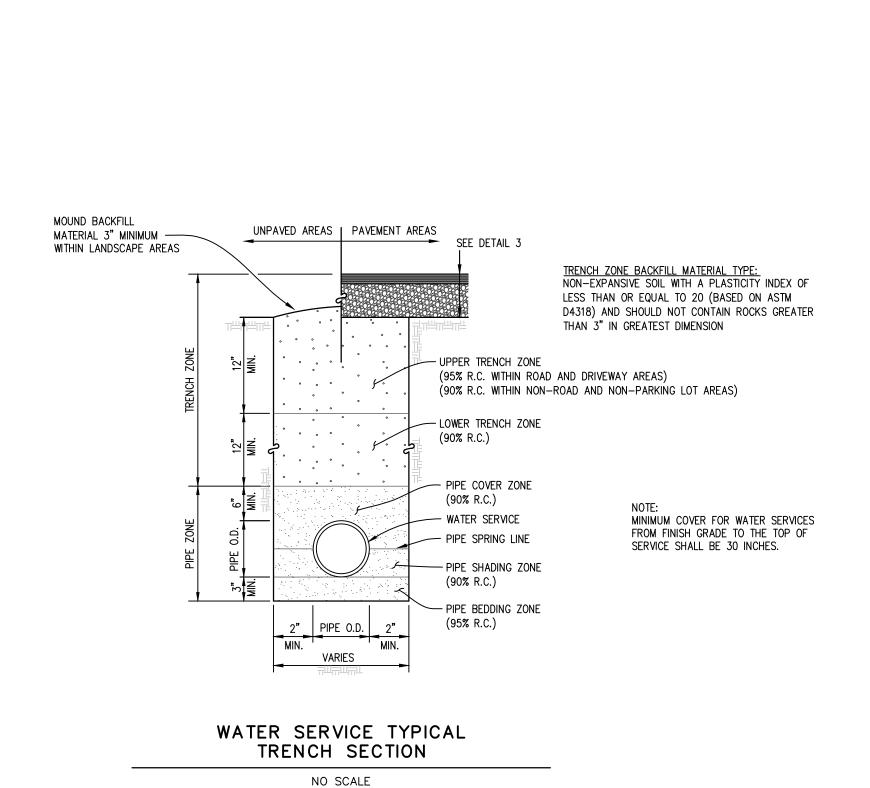


BEDDING, BACKFILLING AND RESURFACING WITH ROADWAYS

NO SCALE



1. 2.	CORROSIVE.	ELL NOT BE LOCATED IN AN AREA CONTAINING FUMES THAT ARE TOXIC, POISIONOUS OR WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL BE IN ACCORDANCE OF NSF 61.			
	CONSTRUCTION MATERIA	ALS AND NOTES			
1234567	REDUCED PRESSURE PRINCIPL FULL PORT BALL VALVE "Y" TYPE STRAINER GALVANIZED NIPPLE 90 DEGREE GALVANIZED ELBO 6" GALVANIZED NIPPLE	CLOSURE SHALL BE A STRONG BOX SBBC AL SERIES OR APPROVED EQUAL LE ASSEMBLY SHALL BE A WILKINS MODEL 975XL OR APPROVED EQUAL LE ON A STRONG BOX SBBC AL SERIES OR APPROVED BOX SBBC AL SERIES OR APPROVED BOX SBBC AL SERIES OR APP			
89912	GALVANIZED PIPE (LENGTH VARIES)  GALVANIZED PIPE (LENGTH VARIES)  GALVANIZED PIPE TO EXTEND A MINIMUM OF 12" BEYOND EDGE OF CONCRETE BASE  INSTALL AIR GAP AND DRAINPIPE IF REQUIRED BY CITY ENGINEER  6" THICK CLASS B CONCRETE PAD WITH BOLT ANCHORS EMBEDDED AS REQUIRED FOR ENCLOSURE. EXTEND CONCRETE BASE 4" BEYOND OUTSIDE DIMEMSIONS OF ENCLOSURE				



 $\sim$  RAR ROLLS ANDERSON & ROLLS CIVIL ENGINEERS 115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 95973-5811 • TELEPHONE 530-895-1422

ORLAND EMERGENCY GROUNDWATER RESOURCE PROJECT PHASE 2C UNIT #1 - DETAILS

EXISTING AC (4" MIN)

— 36" MIN. — FINAL LIFT

CASE 1

8.0" AB

(SEE NOTE 3)

CASE 3

ABBREVIATIONS:

AB — AGGREGATE BASE

AC — ASPHALT CONCRETE

TR — TEMPORARY RESURFACING

**DETAIL** 

SLURRY BACKFILL, FULL DEPTH

EDGE (TYP.)

EDGE (TYP.)

1. EXCEPT AS NOTED IN CASE 1, MINIMUM THICKNESS OF AC RESURFACING IS THREE (3) INCHES OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.

4. FOR ANY TRENCH CUT WITHIN TWO (2) FEET OF THE EDGE OF PAVEMENT AND/OR AN EXISTING PAVEMENT

REPAIR, THE EXISTING AC SHALL BE REMOVED AND RESURFACED TO THE EDGE OF THE ADJACENT FEATURE.

6. TEMPORARY PAVEMENT RESURFACING SHALL CONFORM TO REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (GREENBOOK) FOR TEMPORARY RESURFACING. THE TEMPORARY RESURFACING SHALL BE PLACED, ROLLED, MAINTAINED TO A SMOOTH FINISH, REMOVED AND DISPOSED OF BY THE CONTRACTOR.

5. ANY PAVEMENT DELINEATION AND/OR MARKINGS REMOVED DURING TRENCHING OPERATIONS SHALL BE REPLACED

FOR REQUIRED COMPACTION DENSITY AND TESTING FREQUENCY, SEE THE CONTRACT SPECIFICATIONS.

IN KIND AS THERMOPLASTIC STRIPING AT 90 MIL (MIN) AND MARKINGS AT 120 MIL (MIN) THICK.

TRENCH RESURFACING DETAILS

FOR TRENCH BEDDING SEE DETAIL 1 AND FOR TRENCH BACKFILL SEE DETAIL 2.

EDGE (TYP.)

TRENCH BEDDING AND BACKFILL (SEE NOTE 3)

6.0" AB

(SEE NOTE 3)

CASE 4
UNIMPROVED AREAS

TRENCH BACKFILL

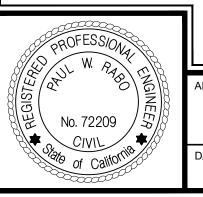
CASE 5

TEMPORARY RESURFACING

2.0" TR (SEE NOTE 6)

DESIGNED PWR CAD CHECKED KLD DRAWING NO. 6 OF 6 JOB NO. 21016

PREVENTION ASSEMBLY DETAIL NO SCALE



PREPARED FOR: **APRIL**, 2025

CITY OF ORLAND

