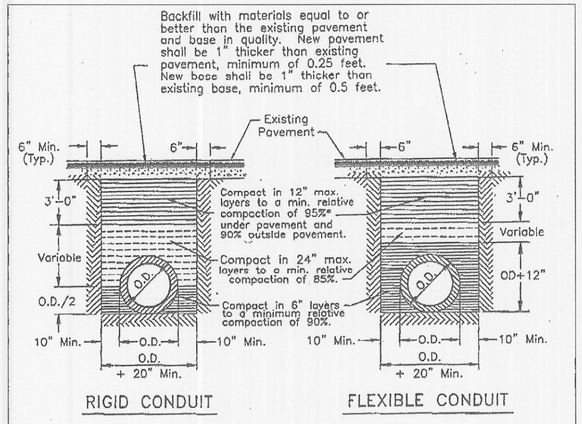
CONSTRUCTION NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
2. PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES.
3. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED.
4. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS.
5. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK.
6. EXCAVATION MATERIALS SHALL BE STORED AWAY FROM THE PAVED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL SHALL BE REMOVED TO AVOID SLIPPERY CONDITIONS.
7. EXISTING SIGNS, DELINEATION'S, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION.
8. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (USA, 1-800-227-2600) AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (BUT NOT MORE THAN 14 CALENDAR DAYS) PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL HAND DIG AND USE EXTREME CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES.
10. TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS ARE NOT SHOWN. CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS PRIOR TO ANY TRENCHING OR BORING. ALL TRAFFIC LOOP DETECTOR CIRCUITS SHALL BE MAINTAINED AND PROTECTED. NOTIFY TRAFFIC DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN THESE AREAS.
11. TRENCH TO PLACE:
    (1) 96 COUNT FIBER OPTIC CABLE
    (1) 48"X30"X18" VAULT
    (1) 2" HDPE CONDUIT & (1) 3" HDPE CONDUIT

    AERIAL TO PLACE
    (1) 96 COUNT FIBER OPTIC CABLE
    6.6M MESSENGER
    35' CLASS 4 POLES
12. THE LOCATIONS AND SAFE CROSSINGS OF ALL FOREIGN UTILITIES IS THE SUBCONTRACTOR'S RESPONSIBILITY. HAND DIG WHERE REQUIRED.
13. A 12" SEPARATION BETWEEN CHARTER CONDUIT AND OTHER UTILITIES WILL BE MAINTAINED AT CROSSINGS.
14. BORING PITS: EXCAVATION AND RESTORATION OF BORING PITS SHALL BE IN ACCORDANCE WITH THE COUNTY STANDARDS FOR UTILITY EXCAVATIONS AND LOCATED TO THE SATISFACTION OF THE COUNTY ENGINEER.
15. REMOVE AND REPLACE SIDEWALKS, CURBS AND GUTTERS AT CONSTRUCTION JOINTS, SEE UNDERGROUND TYPICALS.
16. MINIMUM 5 FT. RADIUS ON ALL BENDS UNLESS OTHERWISE NOTED.
17. A 2' SEPARATION SHALL BE MAINTAINED BETWEEN CHARTER CONDUIT AND ALL COUNTY SANITARY SEWER AND STORM DRAIN FACILITIES. A VIDEO INSPECTION SHALL BE PROVIDED BY CONTRACTOR IF THE SEPARATION IS LESS THAN 2 FT. ANY DAMAGE TO THE UTILITY SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
18. TRAFFIC CONTROL TO CONFORM TO CALTRANS MANUAL OF TRAFFIC CONTROLS BOOKLET.



NOTES:

1. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
2. All existing pavement shall be neatly cut to line prior to trench excavation.
3. Jetting or ponding will be permitted within the street Right of Way with a 3 year bond.
4. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
5. Special bedding requirements may be shown on the plans or specified in special provisions.
6. Shoulders shall be as shown on the plans or specified in the special provisions but in no case shall the shoulder be less than three feet wide as measured from the edge of pavement.

No.	Revised	By	TYPICAL TRENCH BACKFILL	Approved by Henry M. Hirata, Director of Public Works
1	Feb. 1996	PD		
Drawn by JLD				
Checked by			COUNTY OF SAN JOAQUIN, DEPARTMENT OF PUBLIC WORKS	Date JUNE 1997
Scale NONE				Drawing No. R-29

GENERAL NOTES

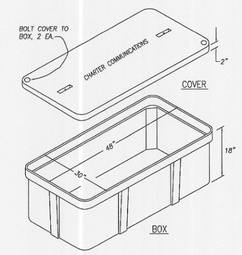
1. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL AND REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. SOME EXISTING UTILITIES MAY NOT BE DEPICTED ON THIS PLAN.
3. PREFERRED METHOD OF CONSTRUCTION WILL BE TRENCHING. SOME DIRECTIONAL BORING WILL BE REQUIRED IN SPECIFIED LOCATIONS.
4. DEPTHS OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND WILL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.

DETAIL LEGEND

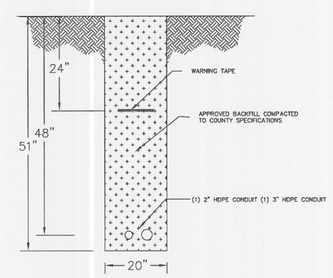
LEGEND
EXISTING POLE
INSTALL NEW POLE
PROPOSED UNDERGROUND
PROPOSED BORE
EXIST. TELECOM

AERIAL LEGEND

LEGEND
POWER POLE
POWER W/ TENNANT
COMM POLE
JOINT USE POLE
SOLEY OWNED CHARTER COMM
PROPOSED STRAND ROUTE
PROPOSED UNDERGROUND
SLACK SPAN
NEW ANCHOR/DOWN GUY
EXIST. ANCHOR/DOWN GUY



T-NC **PULL BOX DETAIL**
SCALE: N.T.S.



T-NC **TRENCH CONSTRUCTION DETAIL**
SCALE: N.T.S.

SAFETY

1. THE CONTRACTOR IS RESPONSIBLE FOR JOB-SITE SAFETY AND SHALL BE RESPONSIBLE FOR ALL LIABILITY IMPOSED BY THE LAW FOR PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY ARISE OF THE WORK PERFORMED UNDER THE ENCROACHMENT PERMIT, OR WHICH MAY ARISE OUT OF THE SAFETY FAILURE ON THE PART OF THE PERMITTEE TO PERFORM HIS OBLIGATIONS UNDER THIS PERMIT IN RESPECT TO MAINTENANCE OF THE ENCROACHMENT.
2. ALL TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION ("MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE") ("MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS").
3. ALL EXCAVATIONS SHALL CONFORM TO THE REQUIREMENT OF THE STATE OF CALIFORNIA DIVISION OF OCUPATIONAL SAFETY AND HEALTH. THE PERMITTEE MAY BE REQUIRETO OBTAIN A "PERMIT TO EXCAVATE" FROM THE DIVISION OF INDUSTRIAL SAFETY, DEPARTMENT OF INDUSTRIAL RELATIONS, STATE OF CALIFORNIA.
4. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL DEVICES FOR PEDESTRIAN AND VEHICULAR TRAFFIC SAFETY. UNSAFE CONDITIONS WILL BE CORRECTED BY CITY PERSONNEL (OR AGENTS THEREOF) AND THE PERMITTEE WILL BE BILLED FOR ALL EXPENSE INCURRED, OR COSTS SHALL BE RECOVERED FROM CASH DEPOSITS HELD FOR SUCH PURPOSES.

CONTACT LIST

NAME	POSITION	PHONE #
SAN JOAQUIN COUNTY JOHN WOTILA	PERMITTING ENGINEER	(209)468-3057
PG&E BOB BECKER	DISTRIBUTION ENGINEER	(209)942-1603
CHARTER COMM CURT WATTS	TECHNICAL OPERATION MNGR.	(209)633-3304
UAD BEN FRANZELL	PROJECT MNGR.	(707)664-1405
PAC-BELL MIKE ELDER	STRUCTURE ACCESS MNGR.	(559)294-5518
CALTRANS MARCEAL DE LA CRUZ	ENCROACHMENT MNGR.	(209)948-3656
VERIZON JOHN HOFFMAN	JOINT USE MNGR.	(805)388-7351
U.P.R.R. JOHN DEVISH	R.O.W/PERMITTING MNGR.	(402)997-3563

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires 2 working days (excluding weekends & holidays) to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID. Number call
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

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UAD Utility Application & Design
475 Portal St., Suite A, Cotati, CA. 94931
Tel: (707) 664-1413 Fax: (707) 664-1451

LOCATION: BETHANY TO TRACY		SCALE: NONE	FILE NAME: MTNHSE: 001-004
DRAFTED: KAT	DATE: 8/7/02	GENERAL NOTES	
APPROVED:	DATE:	REFERENCE MAP NUMBER:	T-3

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