



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1602182
Date Issued: 07/21/2016
Start Date: 07/21/2016
Exp. Date: 09/15/2016
Project No: PWP7110005
Quad: SS

ENCROACHMENT PERMIT

To: SEFNCO/CHRIS PERRY
5340 BRISA ST.
LIVERMORE, CA 94550

Encroachment Type:

| | | | |
|-------------------------|--|--|--|
| Bore (over 12 inch Dia) | | | |
|-------------------------|--|--|--|

Location:

N/S LOOMIS RD 400' W/O ST RT 99 RD

In compliance with your request of 07/21/2016, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

~~Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least, forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.~~

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. ~~Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post-card) provided by Grantor.~~

Special Comments:

| |
|---------------------------|
| Traffic Control Per MUTCD |
|---------------------------|

FORMS:

| | | |
|-------------|--|--|
| SS/WW, R-29 | | |
|-------------|--|--|

Est. Permit Fee: \$783.00

KRIS BALAJI, Director
Department of Public Works

- WHITE -Permittee
- GOLDENROD -PWD Central File
- YELLOW -Field Inspection
- PINK -Permit Section

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1.

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
STREETS AND HIGHWAYS CODE
 1. Division 1, Chapter 3
 2. Division 2, Chapter 2, Section 942
 3. Division 2, Chapter 4, Section 1126
 4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.
2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

*** FOR COMCAST ***

APPLICATION FOR ENCROACHMENT PERMIT

RECEIVED
SAN JOAQUIN COUNTY

2016 JUN 14 AM 11:15

DEPT. OF PUBLIC WORKS

PLEASE PRINT:

Date 6-13-16.

To: San Joaquin County
Department of Public Works

SEFNCO/CHRIS FERRY
(Applicant Name)

544 INDUSTRIAL PARK DR.
(Mailing Address)

MANTECA, CA 95337
(City, State, Zip Code)

925)783-4877
(Area Code - Telephone Number)

| OFFICE USE ONLY | |
|-----------------|---|
| JOB # | <u>110005</u> REF # _____ |
| APN | _____ CR # _____ |
| EXP. DATE | <u>9-15-16</u> |
| VALID | <u>7-21-16</u> TO <u>9-15-16</u> DRIVEWAYS: _____ |
| STREET | <u>LOOMIS RD</u> * _____ |
| AREA | <u>Stockton</u> QUAD <u>SS</u> * _____ |
| TYPE | <u>BORE</u> * _____ |
| FORMS | <u>SSWW R29</u> |
| NOTES | _____ |
| | _____ |
| | _____ |
| | _____ |

Sketch (Detailed plans may be submitted) **SEE ATTACHED.**

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the NORTH side of LOOMIS RD. approximately 400' (feet/mile) WEST. of 99 FRONTAGE RD, STOCKTON, by performing the following work (description of work): BORE FROM JOINT POLE TO 3233 LOOMIS RD. INSTALL 1-2" CONDUIT FOR CATV SERVICE.

Work will commence on or about 7-11-16 for approximately 45. days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

[Signature] PERMIT COORDINATOR
Signature of Applicant - Title

6-13-16.
Date



BORE FOR WORKPLACE PROJECT

JURISDICTION:
CITY OF STOCKTON

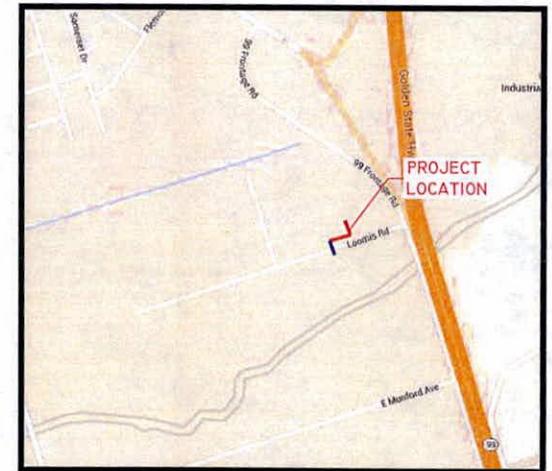
JOB ID# 233157
3233 LOOMIS RD
CITY OF STOCKTON, CA

BUILD FOOTAGE

(N) UG BUILD = 221'±
(N) AERIAL = 55'±
(N) RISER = 1
(E) VAULTS = 0
BORE PITS = 1

DRAWING INDEX

| NUMBER | SHEET | TITLE |
|--------|----------------|----------------------|
| 1 | T-1 | TITLE SHEET |
| 2 | G-1 | GENERAL NOTES |
| 3 | C-1 | CONSTRUCTION DRAWING |
| 4 & 5 | CD-1 & CD-2 | CONSTRUCTION DETAILS |
| 6 - 9 | TR-1 THRU TR-4 | TRAFFIC CONTROL |



PROJECT LOCATION
N.T.S.



Know what's below.
Call before you dig

SEFNCO COMMUNICATIONS
CHRIS PERRY
925-783-4877
cperry@sefnco.com

Sagebrush Engineering
communication engineers
415 BEATRICE CT -STE G
BRENTWOOD, CA
94514
209-365-3598
bdurflinger0014@gmail.com

| NO. | DATE | BY | DESCRIPTION | APPROVED |
|-----|---------|----|-------------------|----------|
| 0 | 8/10/16 | BD | ISSUED FOR REVIEW | SEE |
| | | | | |
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| | | | | |
| | | | | |

COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

| | |
|--------------|---------|
| SSE JOB NO.: | - |
| ATT JOB NO.: | - |
| DESIGNED BY: | BD |
| DRAWN BY: | BD |
| DATE: | 8/10/16 |
| SCALE: | N.T.S. |

SHEET #:
T-1
1 OF 9 SHEETS



GENERAL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY STANDARD DETAILS, TECHNICAL SPECIFICATION, AND GENERAL REQUIREMENTS.
- CONTRACTOR SHALL SECURE A STREET OPENING PERMIT FROM THE CITY AND A CITY STREET OPENING PERMIT FROM THE COUNTY OF LOS ANGELES PRIOR TO COMMENCEMENT OF WORK. ALL WORK UNDER THE PERMIT SHALL BE DONE UNDER A SINGLE STREET OPENING PERMIT.
- IF THE CONTRACTOR RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE UTILITY AGENCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL PUBLIC & PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK. THE CITY WILL BE NOTIFIED BY THE CONTRACTOR OF ANY UTILITIES UNDER A SINGLE STREET OPENING PERMIT.
- ALL SIDEWALK, CURB, AND GUTTER SHALL BE REMOVED AND REPLACED TO MATCH EXISTING CONDITIONS. CURB AND GUTTER AGAINST EXISTING IMPROVEMENTS SHALL REQUIRE A SIDEWALK CONTACT JOINT (DOVELS REQUIRED).
- UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER IN THE PLANS, AT EACH LOCATION WHERE NEW CURB/GUTTER IS TO BE INSTALLED ON AN EXISTING STREET (DRIVEWAY INSTALLATION, DRIVEWAY ABANDONMENT, CURB RAMP INSTALLATION, CURB FACE DRAINAGE INSTALLATION, ETC.) PAVEMENT SHALL BE REMOVED AND REPLACED ALONG THE ENTIRE LENGTH OF CURB/GUTTER INSTALLATION. REMOVAL DEPTH (SAW CUTS REQUIRED) SHALL BE TO THE BASE MATERIAL ON STREETS WITH A.C. OR P.C.C. PAVEMENT FOUR (4) INCHES OR LESS IN THICKNESS. REMOVAL DEPTH SHALL BE TWO INCHES MINIMUM ON DRIVEWAY PAVEMENT THICKNESS GREATER THAN FOUR (4) INCHES. REPLACE WITH A.C. PAVEMENT.
- BLACK SAND SLURRY SEAL SHALL BE REQUIRED ON ALL NEW STREET SURFACES. SEAL SHALL EXTEND 12" BEYOND THE LIMIT OF PAVEMENT RECONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY, BY CIRCULAR, ALL BUSINESS ESTABLISHMENTS AND RESIDENTS WITHIN THE PROJECT AREA OF THE LOCATION OF THE APPROVAL OF THE CITY ENGINEER.
- ALL MANHOLES, WALK OFF BOXES, UNDERPAVEMENT BOXES, AND OTHER STRUCTURES IN THE PAVEMENT AREA SHALL BE ADJUSTED TO FINISH GRADE BEFORE PAVING FINAL LIFT.
- GRADE BREAKS ON CURBS AND SIDEWALKS ARE TO BE INDICATED OFF ON FORM WORK & FINISHED SURFACING.
- IF THE CONTRACTOR RESPONSIBILITY TO REPLACE ALL STREET MANHOLES OR LOT CORNER PIPES DISTURBED DURING THE PROCESS OF CONSTRUCTION. IF A STREET IMPROVEMENT HAS THE POTENTIAL OF BEING DISTURBED, A CORNER RECORD SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE SURVEYOR SHALL ACT TO PRESERVE THE LOCATION OF SAID STREET MONUMENT. CONTRACTOR SHALL, AT HIS/HER EXPENSE, HIRE A CIVIL ENGINEER OR LAND SURVEYOR TO PERFORM THE WORK.
- ALL SURPLUS ILLEGIBLE MATERIAL SHALL BE REMOVED FROM PUBLIC RIGHT OF WAY.
- CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL & KEEP MUD & DEBRIS OFF THE PUBLIC RIGHT OF WAY AT ALL TIMES.
- ALL TRENCHES & EXCAVATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF CALIF. & FEDERAL O.S.H.A. REQUIREMENTS & OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHIELDING DESIGN & INSTALLATION.
- EXISTING UTILITIES SHOWN ARE BASED UPON RECORD INFORMATION & ARE APPROXIMATE IN LOCATION & DEPTH. THE CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITIES THAT MAY BE DISTURBED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL POTENTIAL CONTACTS TO THE ENGINEER PRIOR TO EXCAVATING FOR NEW FACILITIES.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES THAT MAY BE ALLOWED HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) AS OUTLINED IN THE CITY OF STOCKTON NONPOINT SOURCE POLLUTION CONTROL PROGRAM. TO SUIT THE CONSTRUCTION SITE & JOB CONDITION.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE PUBLIC RIGHT OF WAY SHALL NOT BE PERMITTED, EXCEPT AT LOCATIONS APPROVED BY THE CITY TRAFFIC ENGINEER.
- UNLESS OTHERWISE NOTED, CLASS 2 A.B. UNDER CURB, GUTTER, & STREET SECTIONS PAVED WITH ASPHALT CONCRETE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION (MINIMUM).
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. TRAFFIC CONTROL DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
- RESTRICTION TRAFFIC MUST BE MAINTAINED AT ALL TIMES. BARRICADES MAY BE RELOCATED ONTO PRIVATE PROPERTY WITH OWNERS PERMISSION ONLY.

CONSTRUCTION NOTES:

- THE METHOD OF CONSTRUCTION SHALL BE BY HORIZONTAL BORING UNLESS OTHERWISE APPROVED BY THE CITY.
- NO CUTTING SHALL BE INSTALLED ON ALL OPEN TRENCHING UNLESS SHOWN OTHERWISE.
- EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. NOT ALL EXISTING UTILITIES ARE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL USE HAND TOOLS AND EXTREME CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES. CALL USA PRIOR TO ANY EXCAVATION.
- FOR OPEN CUT TRENCHING THE FOLLOWING MINIMUM CLEARANCES SHALL APPLY:
 - A 12" VERTICAL CLEARANCE AT ALL CROSSINGS SHALL BE MAINTAINED BETWEEN PROPOSED NEW CONDUITS AND EXISTING SANITARY SEWER AND STORM DRAIN MAINS THAT RUN PARALLEL, UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
 - CLEARANCE FOR ALL OTHER UTILITIES UNLESS OTHERWISE APPROVED BY THE CITY. CLEARANCE SHALL BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE CITY. CLEARANCES ALSO APPLY TO THE SIDEWALK.
- THE FOLLOWING MINIMUM CLEARANCES FROM REAMED PERIMETER OF THE BORE HOLE TO EXISTING UTILITIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. REPORT CONCLUSIONS & RECOMMENDATIONS ON THE CITY & DETERMINATION SHALL BE FOLLOWED, IF MORE RESTRICTIVE.
 - (A) LOCATE (100 & FT. CLEAR (HORIZONTAL) FROM THE EXISTING STORM DRAIN & SANITARY SEWER MAINS, EXCEPT WHEN AT THE SAME ELEVATION AS WATER MAINS, 8 FT. HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, EXCEPT AS NOTED OTHERWISE.
 - (B) USE THE FOLLOWING CHART FOR MINIMUM DEPTH OF COVER (IN THE PAVEMENT & SIDEWALK AREAS) & MINIMUM CLEARANCE WHEN CROSSING UTILITIES (STORM DRAIN, SANITARY SEWER, WATER, ELECTRICAL, GAS, ETC.). CROSSING SHALL BE AT 90 DEGREE.

| BORE DIAMETER | MIN. DEPTH OF COVER | MIN. CLEARANCE FROM CROSSING UTILITIES |
|---------------|---------------------|--|
| 6" OR LESS | 4' | 3' |
| 8" OR LESS | 6' | 5' |
| 10" OR LESS | 10' | 7' |
| 12" OR LESS | 25' | 15' |

6. AT THE END OF EACH DAY, CONDUIT COPS SHALL BE PLACED ON ALL VICINITY OF EXCAVATION. CONDUIT COPS SHALL BE REMOVED IMMEDIATELY AFTER PLACEMENT OF FIBER OPTIC CABLE IS COMPLETED, INCLUDING DUCTS ON WALL WHERE CORING IS REQUIRED.

7. THE REMOVAL, STORAGE, AND REPLACEMENT OF ALL SHREDBURY SHALL BE THE RESPONSIBILITY OF CONTRACTOR. ALL LANDSCAPING SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

8. TRAFFIC SIGNAL CIRCUITS AND INTERCONNECT CONDUITS MAY NOT BE SHOWN. CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL CIRCUITS AND INTERCONNECT CONDUITS AND ALL TRAFFIC SIGNAL AND INTERCONNECT CONDUITS AND 5' FROM EXISTING SIGNALS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL CONDUITS AND INTERCONNECT CONDUITS TO SUIT THE CONSTRUCTION SITE & JOB CONDITION.

9. APPROXIMATE LOCATIONS OF SPICE BOXES ARE SHOWN ON THE PLANS. EXACT FINAL LOCATION OF SPICE BOXES SHALL BE DETERMINED IN THE FIELD WITH CITY ENGINEER. AFTER ALL EXISTING UTILITIES IN THE AREA OF WORK HAVE BEEN LOCATED.

10. TOP OF SPICE BOXES SHALL BE SET FOR FUTURE SIDEWALK INSTALLATION IN SPECIFIED LOCATIONS. ALL SPICE BOXES SHALL BE PLACED WITH FUTURE TRAFFIC SAFETY IN MIND UNTIL ALL WORK IS COMPLETE.

11. THE CITY WATER DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS ACP PRIOR TO PLOT INCLUDING ANY CITY WATER OR RECLAIMED WATER MAINS OR SERVICES.

CITY ABANDONMENT NOTES:

- NO TRENCHING SHALL BE DONE WITHIN THE DRIVE LANE OF EXISTING TREES WITHOUT THE APPROVAL OF THE CITY ABANDONMENT. OPEN TRENCHING IN THE DRIVE LANE OF A PUBLIC TREE IS PROHIBITED EXCEPT IN CASES WHERE THE TRENCHING FALLS OUTSIDE THE TREE INVOLVED. EXCEPTIONS WILL BE ALLOWED IF, IN THE OPINION OF THE CITY ABANDONMENT, THE IMPACT OF TRENCHING UPON THE TREE WILL BE NEGLECTABLE.
- NO CUTTING OF ANY PART OF CITY TREES, INCLUDING ROOTS SHALL BE DONE WITHOUT RECEIVING APPROVAL AND DIRECT SUPERVISION FROM THE CITY ABANDONMENT.
- NO CUTTING OF ANY PART OF PRIVATE TREES, INCLUDING ROOTS, SHALL BE DONE WITHOUT RECEIVING SUPERVISION OF A CERTIFIED ARBORIST (CERTIFICATION OF INTERNATIONAL SOCIETY OF ARBORICULTURE).
- BORE OUTSIDE THE DRIVE LANE OF ALL TREES TO PREVENT ROOT DAMAGE. NO BORE SHALL BE ALLOWED WITHIN THE DRIVE LANE OF ANY EXISTING TREE.
- TUNNELING: ALL PUBLIC TREES IN EXCESS OF 5" DIA. WHERE THERE IS INSUFFICIENT SPACE TO BYPASS THE DRIVE LANE BY TUNNELING, MUST BE TUNNELED. THE BEGINNING/ENDING DISTANCE OF THE TUNNEL FROM THE FACE OF THE TREE SHALL BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE CITY ABANDONMENT. THE ACCOMPANYING TABLE.

WHEN THE TREE DIAMETER IS 4.5 FEET OR GREATER

| WHEN THE TREE DIAMETER IS 4.5 FEET OR GREATER | TRENCHING WILL BE REPLACED BY AN EXISTING TREE IN ANY DIRECTION. |
|---|--|
| 10'-11" | 5 FEET |
| 12'-13" | 10 FEET |
| 14'-15" | 15 FEET |
| 16'-17" | 20 FEET |
| 18'-19" | 25 FEET |
| 20'-21" | 30 FEET |
| 22'-23" | 35 FEET |
| 24'-25" | 40 FEET |
| 26'-27" | 45 FEET |
| 28'-29" | 50 FEET |
| 30' OR GREATER | 55 FEET |

DEPTH OF TUNNELING

| DEPTH OF TUNNELING | DEPTH OF TUNNEL |
|--------------------|-----------------|
| 3'-4' | 3.5' |
| 5'-6' | 5.5' |
| 7'-8' | 7.5' |
| 9'-10' | 9.5' |
| 11'-12' | 11.5' |
| 13'-14' | 13.5' |
| 15'-16' | 15.5' |
| 17'-18' | 17.5' |
| 19'-20' | 19.5' |
| 21'-22' | 21.5' |
| 23'-24' | 23.5' |
| 25'-26' | 25.5' |
| 27'-28' | 27.5' |
| 29'-30' | 29.5' |
| 31'-32' | 31.5' |
| 33'-34' | 33.5' |
| 35'-36' | 35.5' |
| 37'-38' | 37.5' |
| 39'-40' | 39.5' |
| 41'-42' | 41.5' |
| 43'-44' | 43.5' |
| 45'-46' | 45.5' |
| 47'-48' | 47.5' |
| 49'-50' | 49.5' |
| 51'-52' | 51.5' |
| 53'-54' | 53.5' |
| 55'-56' | 55.5' |
| 57'-58' | 57.5' |
| 59'-60' | 59.5' |
| 61'-62' | 61.5' |
| 63'-64' | 63.5' |
| 65'-66' | 65.5' |
| 67'-68' | 67.5' |
| 69'-70' | 69.5' |
| 71'-72' | 71.5' |
| 73'-74' | 73.5' |
| 75'-76' | 75.5' |
| 77'-78' | 77.5' |
| 79'-80' | 79.5' |
| 81'-82' | 81.5' |
| 83'-84' | 83.5' |
| 85'-86' | 85.5' |
| 87'-88' | 87.5' |
| 89'-90' | 89.5' |
| 91'-92' | 91.5' |
| 93'-94' | 93.5' |
| 95'-96' | 95.5' |
| 97'-98' | 97.5' |
| 99'-100' | 99.5' |

ABBREVIATIONS

- ACP ARRESTOR CEMENT PIPE
- CP CAST IRON PIPE
- CL CENTER LINE
- CB CUSTOMER SPACE BOX
- DIP DRY STAND PIPE
- DR DRAINAGE
- EX EXISTING
- FA FIRE ALARM
- FD FIBER OPTIC DUCT
- FC FACE OF CURB
- G GAS
- HD HIGH DENSITY POLYETHYLENE
- IC INNER CONNECT
- LV LOW VOLTAGE
- MIN MINIMUM
- ANN ANNUAL
- AW AIRWAY
- ME METER
- NLS NUTLINE
- PIB PIPES
- PV POST INDICATOR VALVE
- PEP REINFORCED CONCRETE PIPE
- PCW POLYETHYLENE CONDUIT
- 5 5' DIA.
- 58 SPICE BOX/SUBSCRIBER BOX
- STORM STORM
- SMH SPICE MANHOLE
- SS STREET LIGHT
- 55 SANITARY SEWER
- 57A STATION
- 57B SILICON VALLEY MANHOLE
- 57C SILICON VALLEY POWER
- TS TRAFFIC SIGNAL
- TYP TYPICAL
- WCP WITHFED CLAY PIPE
- WV WATER METER
- WW WATER VALVE
- WWW WALL TO WALL

LEGEND

- PROPOSED NEW COMCAST CONDUIT
- EXISTING METALLIC CONDUIT
- EXISTING MFS CONDUIT
- EXISTING CONDUIT(S)
- EXISTING FIBER OPTIC CONDUIT
- EXISTING PRODUCTS NITROGEN MAIN
- EXISTING TELEPHONE AND ELECTRIC
- EXISTING RECLAIMED WATER
- EXISTING POINT TO POINT CONDUIT
- EXISTING WATER
- EXISTING ELECTRIC
- EXISTING TELEPHONE SIGNAL CONDUIT
- EXISTING STREET LIGHTING CONDUIT
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING TRAFFIC SIGNAL CONDUIT
- EXISTING SIGNAL INTERCONNECT
- EXISTING MANHOLE
- EXISTING PIPE (HORIZONTAL)
- JOINT POLE
- TRAFFIC SIGNAL POLE
- EXIST. TREE
- WATER OR GAS VALVE
- TEMP. BORE PIT

- PROPOSED NEW COMCAST CONDUIT
- EXISTING METALLIC CONDUIT
- EXISTING MFS CONDUIT
- EXISTING CONDUIT(S)
- EXISTING FIBER OPTIC CONDUIT
- EXISTING PRODUCTS NITROGEN MAIN
- EXISTING TELEPHONE AND ELECTRIC
- EXISTING RECLAIMED WATER
- EXISTING POINT TO POINT CONDUIT
- EXISTING WATER
- EXISTING ELECTRIC
- EXISTING TELEPHONE SIGNAL CONDUIT
- EXISTING STREET LIGHTING CONDUIT
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING TRAFFIC SIGNAL CONDUIT
- EXISTING SIGNAL INTERCONNECT
- EXISTING MANHOLE
- EXISTING PIPE (HORIZONTAL)
- JOINT POLE
- TRAFFIC SIGNAL POLE
- EXIST. TREE
- WATER OR GAS VALVE
- TEMP. BORE PIT

CONTACTS:

SEFSCO COMMUNICATIONS
CHRIS PERRY
925-783-4877
cperry@sefco.com

SAGEBRUSH ENGINEERING
BOB DURLINGER
415 BEATRICE CT-STE G
BRENTWOOD, CA 94514
(209)365-3598

DATE: 4/18/16

SCALE: N.T.S.

DESIGNED BY: BFD

DRAWN BY: BFD

CHECKED BY: BFD

DATE: 4/18/16

SCALE: N.T.S.

SHEET #:

G-1

2 OF 9 SHEETS

COMCAST BLDG TIE

JOB ID# 233157

3233 LOOMIS RD

STOCKTON, CA

DATE: 4/18/16

SCALE: N.T.S.

SHEET #:

G-1

2 OF 9 SHEETS



Know what's below.
Call before you dig

Sagebrush Engineering
COMMUNICATIONS ENGINEERING
415 BEATRICE CT-STE G
BRENTWOOD, CA
94514
209-365-3598
bdurlinger0014@gmail.com



3233

COMCAST TO DIR BORE & PLACE
(1) 2" HDPE FROM (E) POLE TO
3233 LOOMIS RD (MPOE) (255'±)

COMCAST TO PLACE (N) RISER (25'±)



TEMP 3'X5' BORE PIT

3233 LOOMIS RD

COMCAST TO SLACK SPAN (1) 2" HDPE
FROM POLE TO POLE (30'±)

LEGEND:

- PROPOSED NEW-BUILD = —
- PROPOSED NEW-AERIAL = —



**Know what's below.
Call before you dig**

JURISDICTION:
CITY OF STOCKTON

BUILD FOOTAGE
(N) UG BUILD = 255'±
(N) AERIAL = 55'±

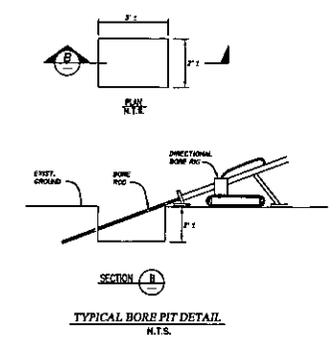
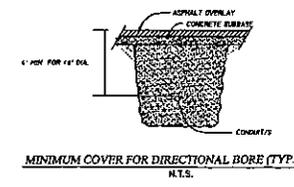
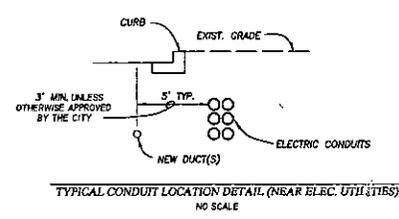
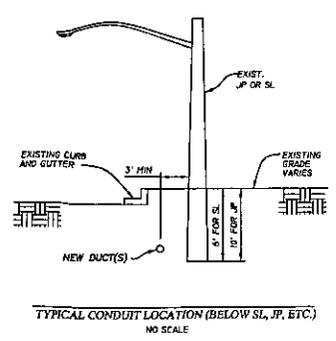
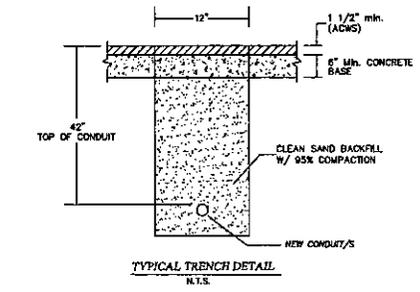
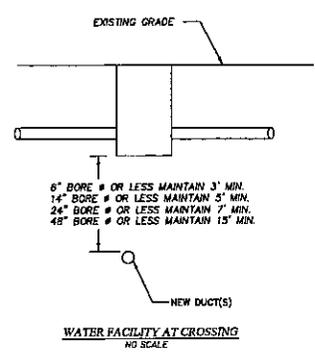
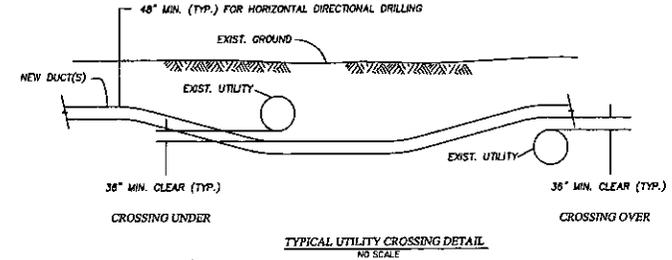
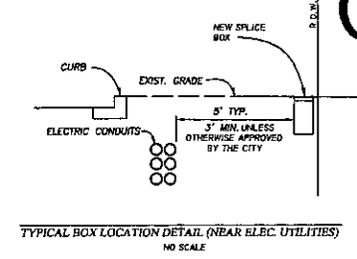
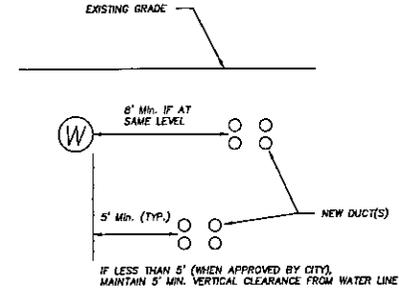
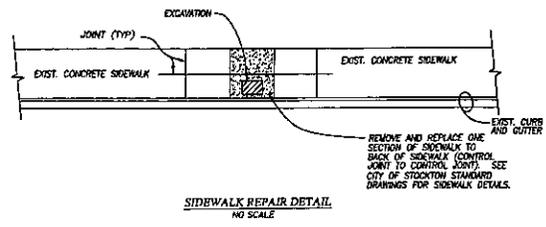
Sagebrush Engineering
communication engineers
415 BEATRICE CT -STE G
BRENTWOOD, CA
94514
209-365-3598
bdurfinger0014@gmail.com

| REV | DATE | BY | DESCRIPTION | APP'D |
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| 0 | 4/10/16 | BRD | ISSUED FOR REVIEW | BRD |
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COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

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| SBE JOB NO.: | - |
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| DESIGNED BY: | BRD |
| DRAWN BY: | BRD |
| DATE: | 4/10/16 |
| SCALE: | 1" = 40' |

SHEET #:
C-1
3 OF 9 SHEETS



Know what's below.
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Sagebrush Engineering
communication engineers
415 BEATRICE CT - STE G
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94514
209-365-3598
bdurfinger0014@gmail.com

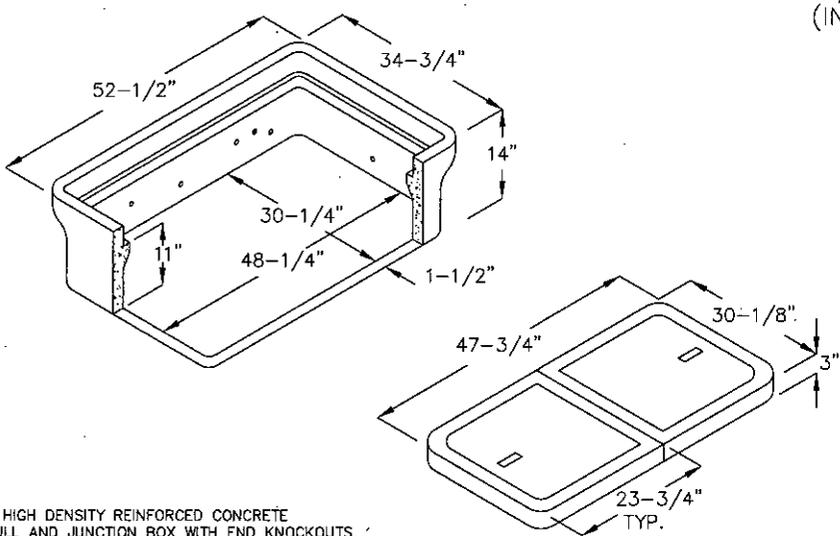
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COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

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| SBE JOB NO.: | ATT JOB NO.: | DESIGNED BY: BRD | CD-1 |
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| 4 OF 9 SHEETS | | | |

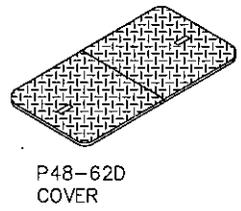
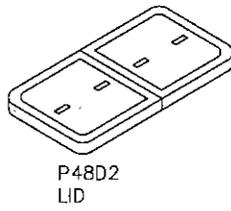
P48 TELEPHONE HANDHOLE

30-1/4" x 48-1/4" x 11"
(INSIDE DIMENSIONS)



A HIGH DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOX WITH END KNOCKOUTS PROVIDED ON EXTENSION FOR FLEXIBILITY OF INSTALLATION. SPECIFICALLY DESIGNED FOR TELEPHONE JUNCTION WORK.

| CATALOG NUMBER | PRODUCT | DESCRIPTION | APPROX. WT. (LBS.) |
|----------------|-----------|------------------------------|--------------------|
| P48 | BOX | REINFORCED CONCRETE | 382 |
| P48D2 | LID | 2 PIECE REINFORCED CONCRETE | 339 |
| P48-62D | COVER | 2 PIECE STEEL CHECKER PLATE | 155 |
| P48X10 | EXTENSION | 10" HIGH REINFORCED CONCRETE | 280 |
| P48SL | SLAB | REINFORCED CONCRETE | 417 |



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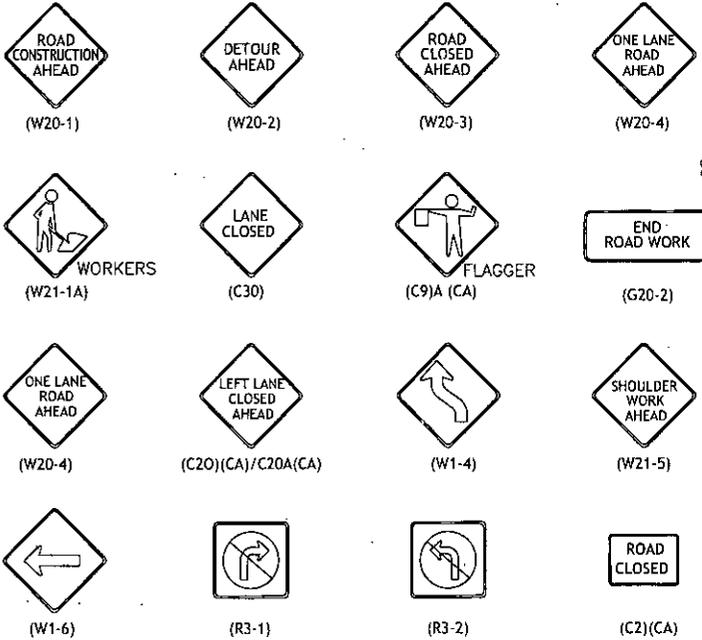
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COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

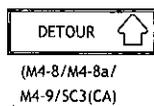
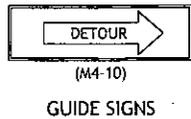
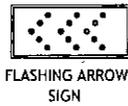
SSE JOB NO.:
ATT. JOB NO.:
DESIGNED BY: BBD
DRAWN BY: BBD
DATE: 6/10/14
SCALE: N.T.S.

SHEET #:
CD-2
5 OF 9 SHEETS

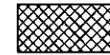
WARNING SIGNS AND GUIDE SIGNS



WARNING SIGNS



SYMBOLS AND LEGENDS



WORK AREA



TRAFFIC SIGNS (ARROW DIRECTION INDICATES SIGN ORIENTATION)



CHANNELIZING DEVICES (TRAFFIC CONES, DELINEATOR POSTS, VERTICAL PANELS, ETC.)



HIGH LEVEL WARNING DEVICE



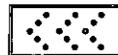
FLAGGER (COUNTERMANDING TRAFFIC SIGNALS REQUIRES OFF-DUTY LAW ENFORCEMENT OFFICER)



SURVEY RODMAN



BARRICADES



FLASHING ARROW SIGN

NOTES:

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF THE "WATCH MANUAL" & "MUTCD" - CALIFORNIA
2. FOR NIGHT TIME USAGE, REFER TO "WARNING LIGHT APPLICATIONS DURING NIGHT TIME OPERATIONS".
3. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES (SEQUENTIAL ARROWS, BARRICADES, STEEL PLATES) MAY BE REQUIRED.
4. ALL LIGHT BOARDS & LIGHTED SIGNAGE TO BE SOLAR POWERED
5. DEVICES PER "MUTCD" - CALIFORNIA
6. TRAFFIC CONTROL REQUIRED AT ALL WORK LOCATION IN STREET INCLUDING BORE PITS, POT HOLES AND EXCAVATION/TRENCHES.

NOTE: POST R9-11A OR R9-3A SIGNS IF SIDEWALK IS RESTRICTED.



Know what's below.
Call before you dig

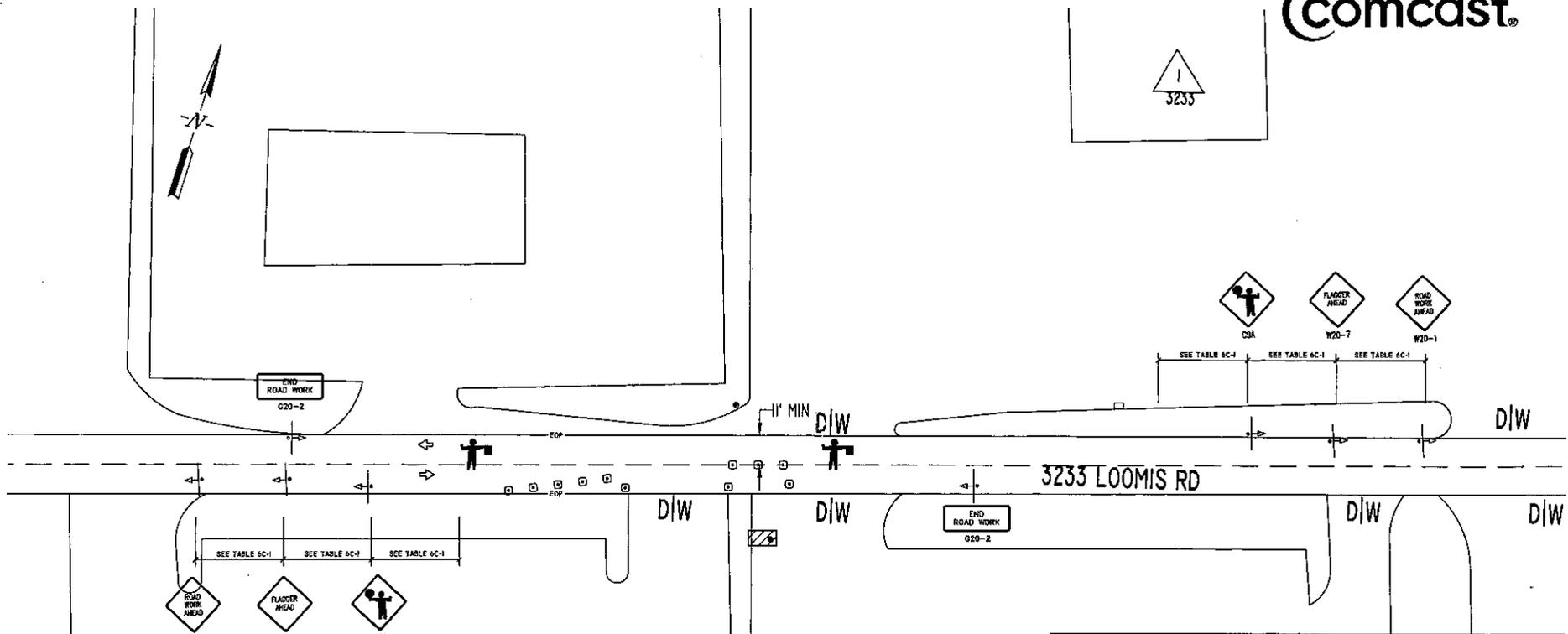
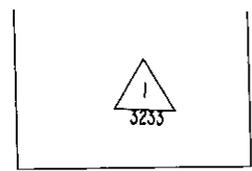
Sagebrush Engineering
communication engineers
415 BEATRICE CT - STE G
BRENTWOOD, CA
94514
209-365-3598
bdurflinger0014@gmail.com

| NO. | DATE | BY | DESCRIPTION | APPROV |
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COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

SBE JOB NO.:
ATT JOB NO.:
DESIGNED BY: BD
DRAWN BY: BD
DATE: 4/10/16
SCALE: N.T.S.

SHEET #:
TR-1
6 OF 9 SHEETS



- CHART A -
MINIMUM RECOMMENDED DELINEATOR AND SIGN PLACEMENT

| TRAFFIC SPEED | TAPER LENGTH (EACH LANE) | DELINEATOR SPACING (TANGENT) | | SIGN SPACING (ADVANCE OF TAPER & BETWEEN SIGNS) | |
|-------------------|--------------------------|------------------------------|---------------|---|--|
| 25 MPH (40 KM/H) | 150 FT. (50M) | 25 FT. (8M) | 50 FT. (15M) | 150 FT. (50M) | |
| 30 MPH (48 KM/H) | 200 FT. (60M) | 30 FT. (9M) | 60 FT. (18M) | 200 FT. (60M) | |
| 35 MPH (56 KM/H) | 250 FT. (75M) | 35 FT. (10M) | 70 FT. (21M) | 250 FT. (75M) | |
| 40 MPH (64 KM/H) | 300 FT. (90M) | 40 FT. (12M) | 80 FT. (24M) | 300 FT. (90M) | |
| 45 MPH (72 KM/H) | 350 FT. (105M) | 45 FT. (14M) | 90 FT. (27M) | 350 FT. (105M) | |
| 50 MPH (80 KM/H) | 400 FT. (120M) | 50 FT. (15M) | 100 FT. (30M) | 400 FT. (120M) | |
| 55+ MPH (88 KM/H) | 450 FT. (135M) | 50 FT. (15M) | 100 FT. (30M) | 450 FT. (135M) | |

***NOTES:**

- DISTANCES SHOWN ARE APPROXIMATE AND SHOULD BE SHIFTED ACCORDING TO EXISTING STREET CONDITIONS TO ACCOMMODATE MINIMUM TAPER LENGTH DISTANCE FOR A SPECIFIED SPEED.
- DISTANCES SHOWN IN PARENTHESES ARE APPROXIMATE.
- WHEN PREVAILING SPEED OF TRAFFIC IS 45 MPH (72 KM/H) OR GREATER, A FLASHING ARROW SIGN SHOULD BE USED FOR EACH LANE CLOSED.
 - MINIMUM HEIGHT FOR TRAFFIC CONES SHOULD BE 24 IN. (6.1 M)
 - MINIMUM OF TWO OF THE LANE CLOSURE SIGNS (C28) SHOULD BE POSTED IN ADVANCE OF A LANE CLOSURE DELINEATOR.



Know what's below.
Call before you dig

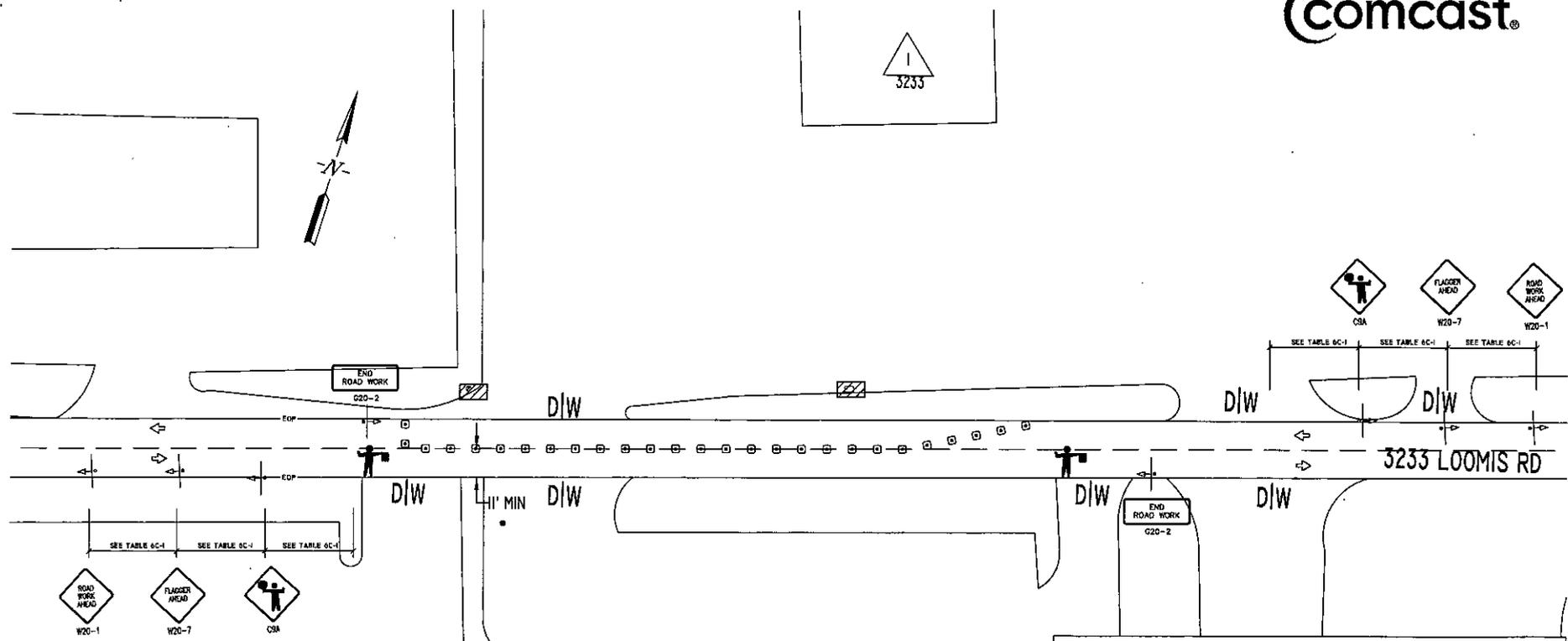
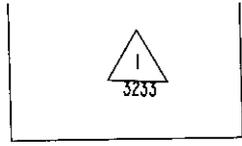
Sagebrush Engineering
communication engineers
415 BEATRICE CT - STE G
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bdurflinger0014@gmail.com

| NO. | DATE | BY | DESCRIPTION | APPROV |
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COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

SHE JOB NO.:
ATTY JOB NO.:
DESIGNED BY: BND
DRAWN BY: BRD
DATE: 4/10/14
SCALE: 1" = 40'

SHEET #:
TR-2
7 OF 9 SHEETS



- CHART A -
MINIMUM RECOMMENDED DELINEATOR AND SIGN PLACEMENT

| TRAFFIC SPEED | TAPER LENGTH (EACH LANE) | DELINEATOR SPACING (TANGENT) | | SIGN SPACING (ADVANCE OF TAPER & BETWEEN SIGNS) |
|-------------------|--------------------------|------------------------------|---------------|---|
| 25 MPH (40 KM/H) | 150 FT. (50M) | 25 FT. (8M) | 50 FT. (15M) | 150 FT. (50M) |
| 30 MPH (48 KM/H) | 200 FT. (60M) | 30 FT. (9M) | 60 FT. (18M) | 200 FT. (60M) |
| 35 MPH (56 KM/H) | 250 FT. (75M) | 35 FT. (10M) | 70 FT. (21M) | 250 FT. (75M) |
| 40 MPH (64 KM/H) | 350 FT. (105M) | 40 FT. (12M) | 80 FT. (24M) | 350 FT. (105M) |
| 45 MPH (72 KM/H) | 550 FT. (170M) | 45 FT. (14M) | 90 FT. (27M) | 550 FT. (170M) |
| 50 MPH (80 KM/H) | 600 FT. (180M) | 50 FT. (15M) | 100 FT. (30M) | 600 FT. (180M) |
| 55+ MPH (88 KM/H) | 1000 FT. (300M) | 50 FT. (15M) | 100 FT. (30M) | 1000 FT. (300M) |

***NOTES:**

- DISTANCES SHOWN ARE APPROXIMATE AND SHOULD BE SHIFTED ACCORDING TO EXISTING STREET CONDITIONS TO ACCOMMODATE MINIMUM TAPER LENGTH DISTANCE FOR A SPECIFIED SPEED.
- DISTANCES SHOWN IN PARENTHESES ARE APPROXIMATE.
- WHEN PREVAILING SPEED OF TRAFFIC IS 45 MPH (72 KM/H) OR GREATER.
 - A FLASHING ARROW SIGN SHOULD BE USED FOR EACH LANE CLOSED.
 - MINIMUM HEIGHT FOR TRAFFIC CONES SHOULD BE 28 IN. (0.7 M)
 - MINIMUM OF TWO OF THE LANE CLOSURE SIGNS (C30) SHOULD BE POSTED IN ADVANCE OF A LANE CLOSURE DELINEATION.



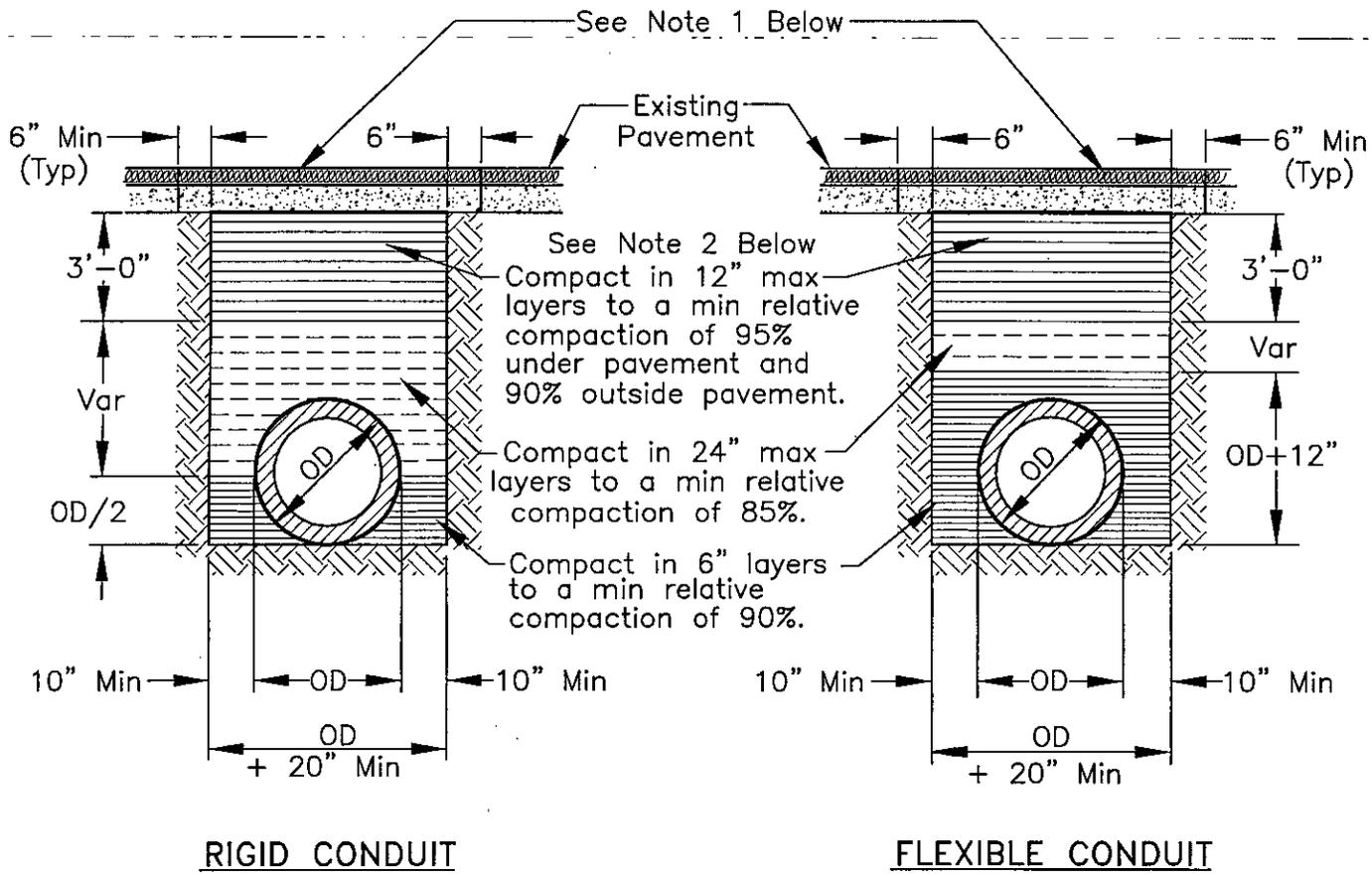
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| Sagebrush Engineering | | DATE | BY | DESCRIPTION | APPROVED |
| communication engineers | | 0 | | ISSUED FOR REVIEW | SR |
| 415 BEATRICE CT -STE G | | | | | |
| BRENTWOOD, CA | | | | | |
| 94514 | | | | | |
| 209-365-3598 | | | | | |
| bdurflinger0014@gmail.com | | | | | |

COMCAST BLDG TIE
JOB ID# 233157
3233 LOOMIS RD
STOCKTON, CA

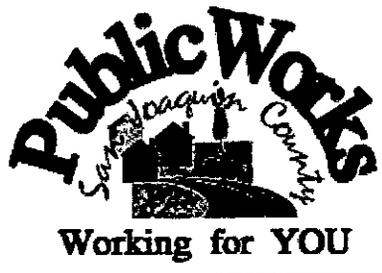
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DESIGNED BY: BMD
DRAWN BY: BMD
DATE: 6/10/15
SCALE: 1" = 40'

SHEET #:
TR-3
8 OF 9 SHEETS



NOTES:

1. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 Ft. New base shall be 1" thicker than existing base, min of 0.50 Ft.
2. Select native material or imported granular material as approved by the Director of Public Works. Backfill with materials equal to or better than the existing pavement and base in quality.
3. 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.
4. All existing pavement shall be neatly cut to line prior to trench excavation.
5. Jetting or ponding will be permitted within the street right-of-way with a 3 year bond, when approved by the Director of Public Works.
6. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
7. Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.



TYPCAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---------------|----------|-------------|-------------|
| Approved by: | | | |
| No. | Revision | Description | Date |
| | | | |
| Std. Dwg. No. | | | R-29 |

Date: DEC 2014

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one-foot where 90% compaction is required, and two-feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. **SUPERVISION:** The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.