



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-1503637
Date Issued: 12/23/2015
Start Date: 12/23/2015
Exp. Date: 02/01/2016
Project No: PWP7110005
Quad: NW

ENCROACHMENT PERMIT

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

Encroachment Type:

Bore (up to 12 inch Dia)			
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Location:

ALPINE RD 200' N/O KETTLEMAN LN

In compliance with your request of 12/23/2015, 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*No Pavement Cuts*

FORMS: SS/WW, R-29

Est. Permit Fee: \$1,130.00

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

PLEASE PRINT:

Date 10-12-15

To: San Joaquin County
Department of Public Works

SEFWCO / CHRIS PERRY
(Applicant Name)

5340 BRISA ST.
(Mailing Address)

LIVERMORE, CA 94550
(City, State, Zip Code)

925) 783-4877

(Area Code - Telephone Number)

OFFICE USE ONLY		
JOB #	<u>110005</u>	REF #
APN		CR #
EXP. DATE	<u>2-1-16</u>	
VALID	<u>12-23-15</u>	TO <u>2-1-16</u>
STREET	<u>Alpine</u>	
AREA	<u>Lodi</u>	QUAD <u>NW</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 EAST/WEST side of ALPINE RD approximately 200 feet/mile NORTH of E. KETTLEMAN LN, LODI, by performing the following work (description of work):
BORE FROM JOINT POLE TO 15651 N. ALPINE RD, INSTALL 1-2" CONDUIT FOR CATV SERVICE

Work will commence on or about 11-16-15 for approximately 30 days.

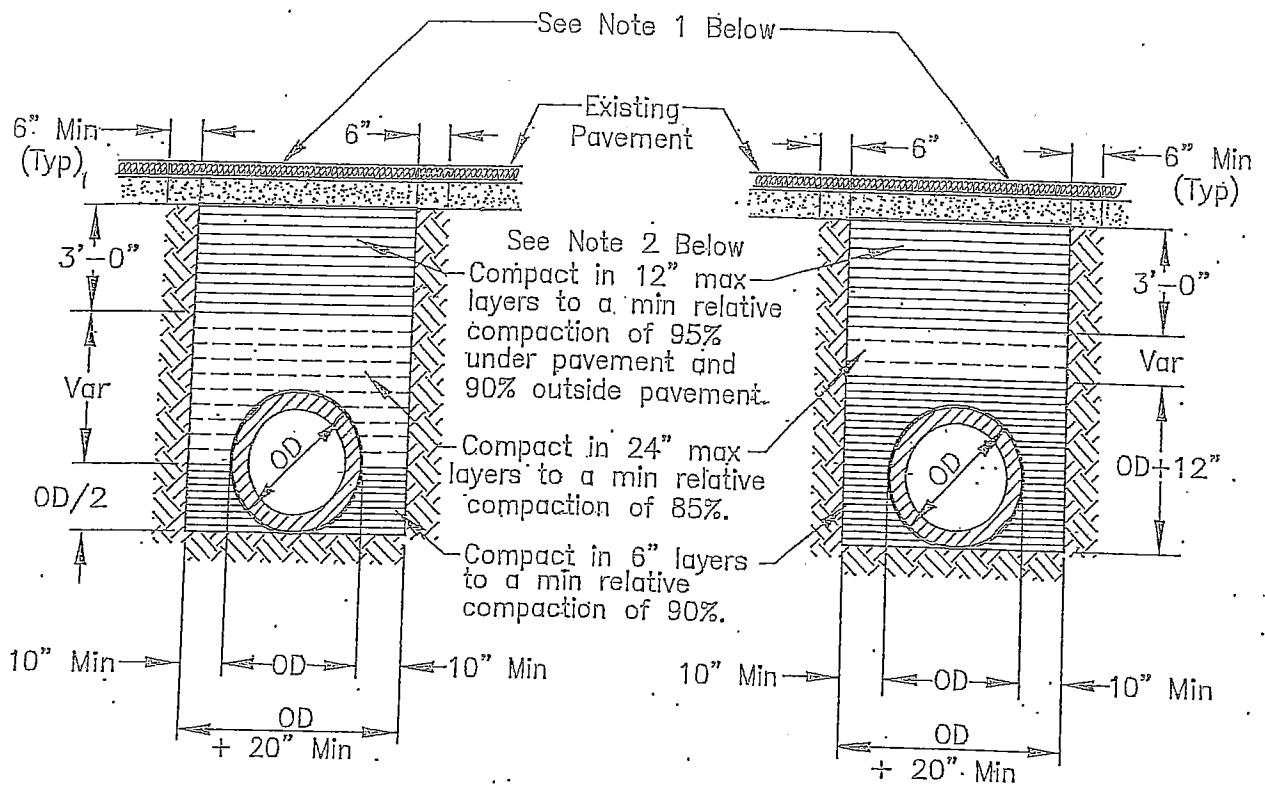
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

PERMIT COORDINATOR

Signature of Applicant - Title

10-12-15

Date



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.



TYIPCAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by:

Thomas M. Gull

No.	Revision	Description	Date



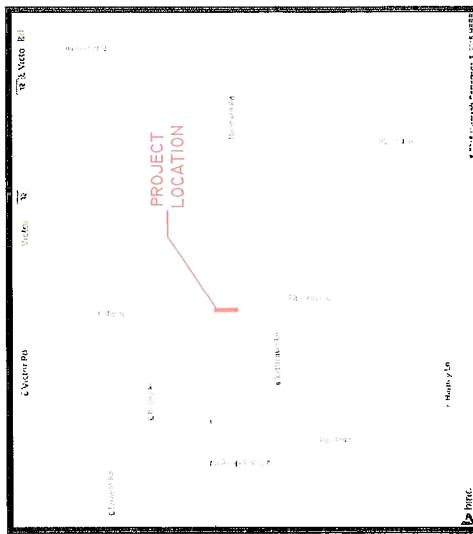
BORE FOR WORKPLACE PROJECT

JURISDICTION:
CITY OF LODI

CITY OF LODI

JOB ID# 223080
15651 N. ALPINE RD
CITY OF LODI, CA

DRAWING INDEX		NUMBER	SHEET	TITLE
		1	T-1	TITLE SHEET
		2	G-1	GENERAL NOTE
		3	C-1	CONSTRUCTION
	4 & 5		CD-1 & CD-2	CONSTRUCTION
	6 - 8		TR-1 THRU TR-3	TRAFFIC CON.



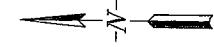
PROJECT LOCATION

T.S.
T.Z.

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



Know what's below.
Call before you dig.



(E) VAULT

(E) CONDUIT
PROOF CONDUIT

COMCAST TO PLACE
(N) RISER

PRIVATE DRIVEWAY

POLE #2
(N) RISER



COMCAST TO DIR BORE &
PLACE (1) 2" HDPE FROM (E)
POLE TO BORE BORE PIT
(166'±)

COMCAST TO DIR BORE & PLACE
(1) 2" HDPE FROM (N) RISER
TO (N) VAULT (33'±)

(E) VAULT PLACED
BY CUSTOMER

JURISDICTION:
CITY OF LODI

BUILD FOOTAGE

(N) UG BUILD = 33'±
OVERLASH = 166'
(E) CNDT = 398'

POLE #1
COMCAST TO TIE
INTO (E) POLE &
PLACE (N) RISER

34'-0"

40'-0"

LEGEND:
PROPOSED REBUILD :

[545] N. ALPINE RD

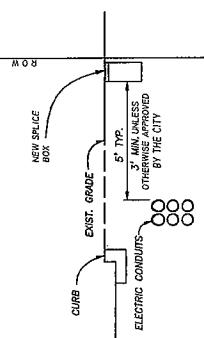


Know what's below.
Call before you dig

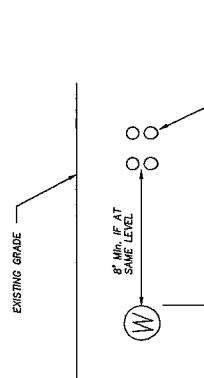
SAGEBRUSH ENGINEERING	Job No.	Att. Job No.	Sheet #:
COMMUNICATIONS	40702	ATT 208 ID:	C-1
15651 N. ALPINE RD	0 00075 00	DESIGNED BY:	
Lodi, CA	1 124475 00	DRAWN BY:	
		DATE:	10/17/15
		SCALE:	1" = 40'
			3 OF 8 SHEETS

COMCAST BLDG TIE
JOB ID# 223080
15651 N. ALPINE RD
LODI, CA

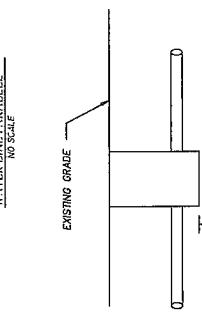
comcast



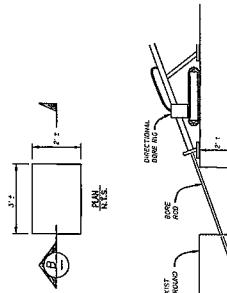
TYPICAL BOX LOCATION DETAIL (NEAR ELEC UTILITIES)
NO SCALE



IF LESS THAN 5' (WHEN APPROVED BY CITY)
MAINTAIN 5' MIN. VERTICAL CLEARANCE FROM WATER LINE
WATER LINE PARALLEL
NO SCALE

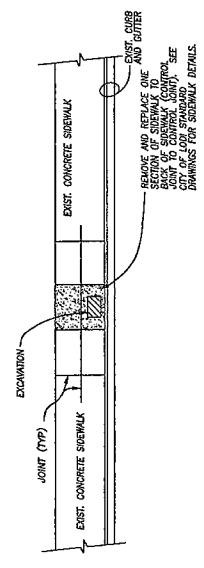


TYPICAL TRENCH DETAIL
N.T.S.



SECTION A-A
N.T.S.

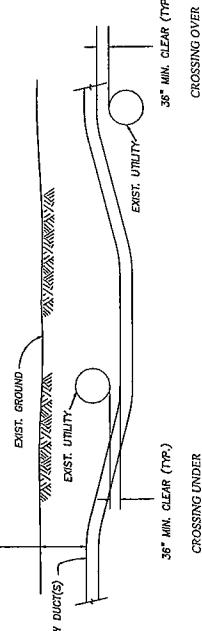
TYPICAL DIRECTIONAL BORE BIT DETAIL
N.T.S.



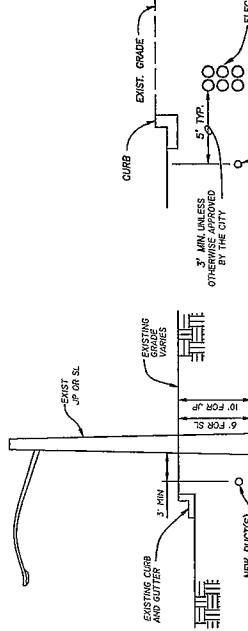
SIDEWALK REPAIR DETAIL
NO SCALE

48° MIN. (TYP.) FOR HORIZONTAL DIRECTIONAL DRILLING
EXIST. GROUND

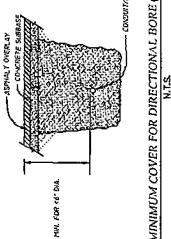
EXIST. UTILITY
CROSSING UNDER
NO SCALE



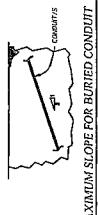
TYPICAL UTILITY CROSSING DETAIL
NO SCALE



TYPICAL CONDUIT LOCATION BELOW SL. JP. ETC.
NO SCALE



MINIMUM COVER FOR DIRECTIONAL BORE (TYP.)
N.T.S.



MAXIMUM SLOPE FOR BURIED CONDUIT
N.T.S.



Know what's below.
Call before you dig

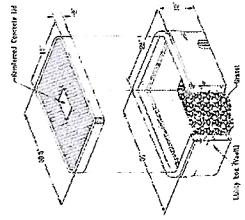
COMCAST BLDG TIE		CD-1
REF ID:	CD-1	SHEET #:
SET 08 ID:	-	CD-1
AT Job No.:	-	CD-1
DEFINITION BY:	CD-1	CD-1
DRAWN BY:	BD	CD-1
DATE:	10/7/15	CD-1
SCALE:	N.T.S.	CD-1
4 OF 6 SHEETS		CD-1

Sagebrush Engineering Communication Engineers 415 BEATRICE CT STE G BRENTWOOD, CA 94513 209-365-3598 bdarlingtiger01@gmail.com
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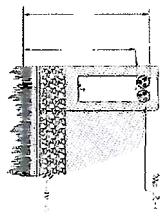


HERE IS AN EXAMPLE OF 17"X 30" VAULT

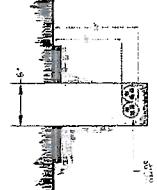
MULTI-DIMENSIONAL



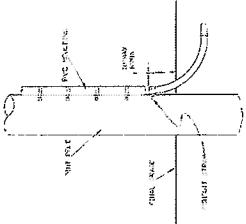
DIRECTIONAL BORE BACK OF WALK



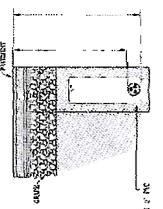
OPEN TRENCH DETAIL:



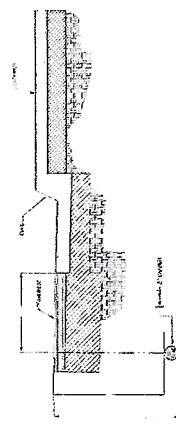
ପ୍ରକାଶକ
ବ୍ୟାକାଳ



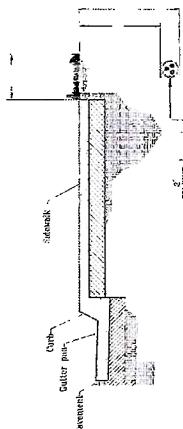
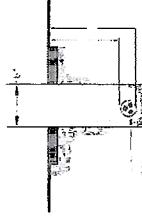
**DIRECTIONAL BORNE UNDER R.O.W.
(SIDEWALK & PAVEMENT) DETAIL.**



The diagram illustrates a cross-section of a curb and gutter system. At the top, a paved surface is shown above a curb. A vertical line labeled "Curb" extends downwards from the curb. To the left of the curb, a shaded area labeled "Pavement" is shown. A horizontal line labeled "Gutter pan" runs parallel to the curb. The gutter pan is supported by a base layer labeled "Stone work". A vertical line labeled "Concrete" indicates the thickness of the curb and the base layer. The entire assembly rests on a foundation layer labeled "Soil".



ROCKS AND DETAILS



SHEET #:	
CD	
SEE JOB NO.	AT JOB NO.
DESIGNED BY:	BHD
DRAWN BY:	BHD
DATE:	10/17/15
SCALE:	N.T.S.
5 OF 8 SHEETS	
WMC AST BLDG TIE	
JOB ID# 223080	
65551 N. ALPINE RD	
LODI, CA	

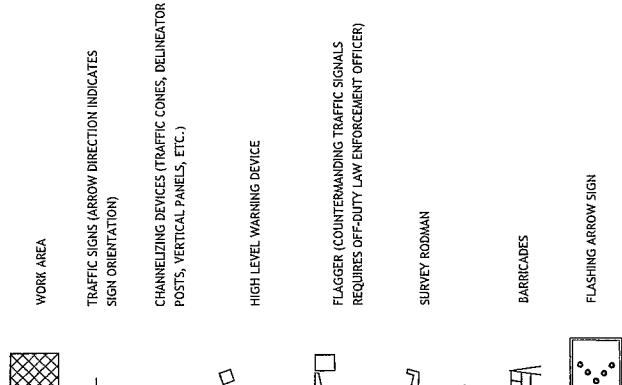
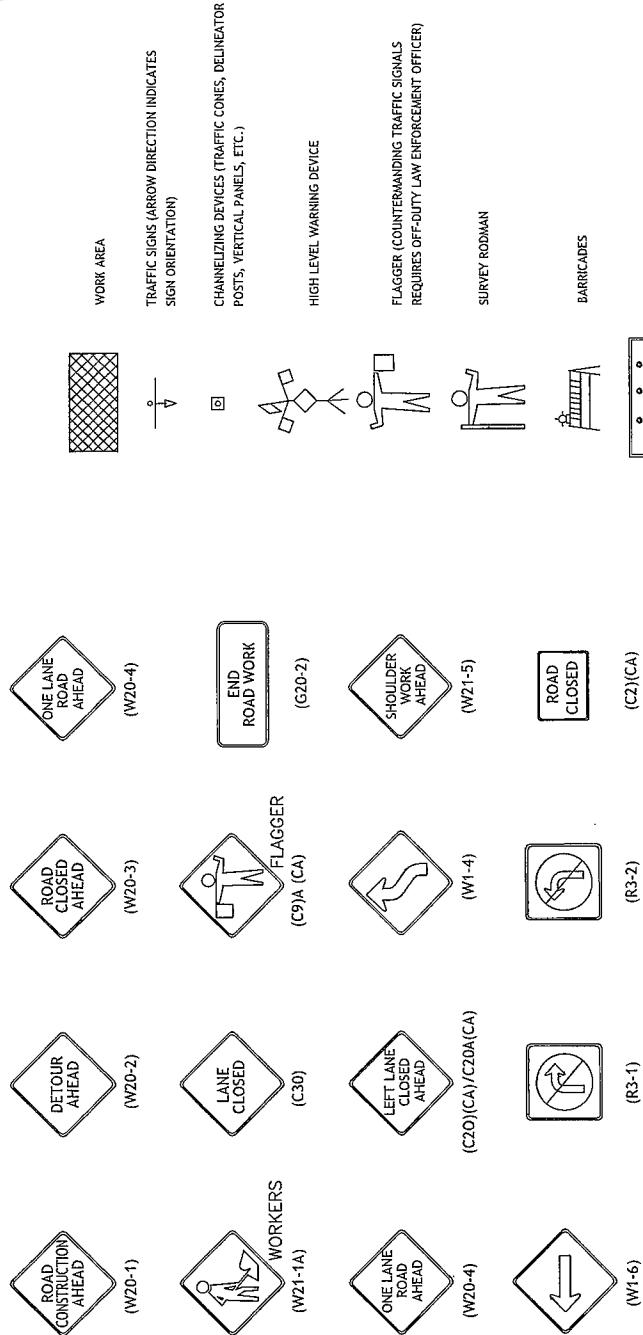
5
60
7

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



SYMBOLS AND LEGENDS

WARNING SIGNS AND GUIDE SIGNS



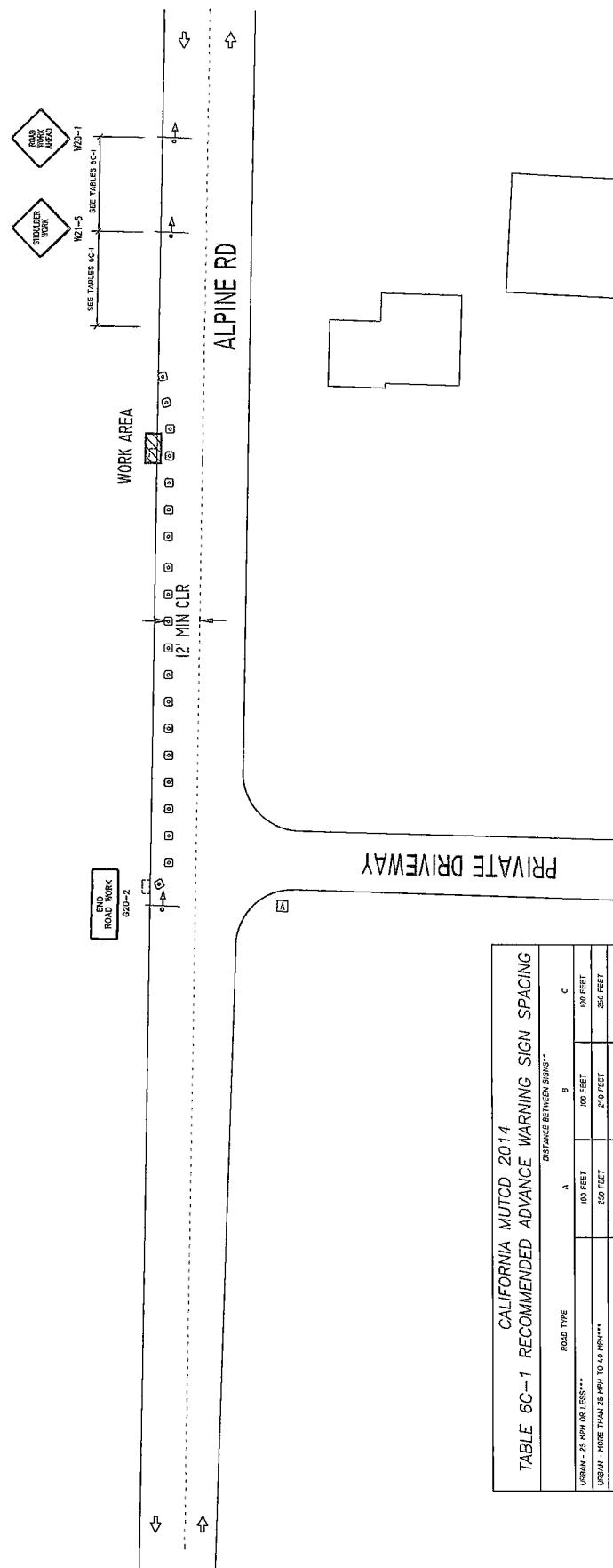
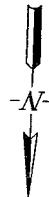
NOTES:

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF THE "WATCHMAN & WATCO" CALIFORNIA DURING NIGHT TIME OPERATIONS
2. FOR NIGHT TIME USAGE, REFER TO "WARNING LIGHT APPLICATIONS"
3. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES (SEGMENTAL ARROWS, BARRICADES, STEEL PLATES) MAY BE REQUIRED.
4. ALL LIGHT BOARD & LIGHTED SIGNS TO BE SOLAR POWERED
5. DEVICES PER "WATCO", 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.

SHEET #:		SHEET NO.:		APPROVED:		ISSUED FOR REVIEW:		JOB ID#:		DRAWN BY:		DESIGNED BY:	
ITEM NO.:	REV.:	SIZE:	SIZE:	SIZE:	SIZE:	SIZE:	SIZE:	15651 N. ALPINE RD	15651 N. ALPINE RD	DATE:	DATE:	SCAE:	N.T.S.:
Sagebrush Engineering communication services 419 READING CT STE G BRENTWOOD, CA 94513 209-365-3598 bdurtinger0114@gmail.com	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 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1225 1226 1227 1228 1229 1220 1221 1222 1223 1224 1225 122												



PRIVATE DRIVEWAY

TABLE 6C-1 RECOMMENDED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
URBAN - 25 MPH OR LESS**	100 FEET	100 FEET	100 FEET
URBAN - MORE THAN 25 MPH TO 60 MPH***	250 FEET	250 FEET	250 FEET
URBAN - MORE THAN 60 MPH***	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY/FREWAY	1,000 FEET	1,500 FEET	2,000 FEET

** THE FOLLOWING ARE A & B FOR THE DISTANCES SHOWN IN TABLES 6C-1 THROUGH 6C-4 AND C FOR THE DISTANCE FROM THE END OF THE WORK AREA TO THE POINT WHERE THE SIGN IS PLACED. THE SIGN IS PLACED AT THE POINT WHERE THE DISTANCE FROM THE END OF THE WORK AREA TO THE POINT WHERE THE SIGN IS PLACED IS EQUAL TO THE SUM OF THE DISTANCES FOR A & B.

*** POSTED SPEED LIMIT OR FEAT. DIST. PRECEDE SIGN BY 300 FEET. IF FEAT. DIST. IS LESS THAN 300 FEET, SIGN IS PLACED AT THE POINT WHERE THE DISTANCE FROM THE END OF THE WORK AREA TO THE POINT WHERE THE SIGN IS PLACED IS EQUAL TO THE SUM OF THE DISTANCES FOR A & B.

**** THE FOLLOWING ARE A & B FOR THE DISTANCES SHOWN IN TABLES 6C-1 THROUGH 6C-4 AND C FOR THE DISTANCE FROM THE END OF THE WORK AREA TO THE POINT WHERE THE SIGN IS PLACED. THE SIGN IS PLACED AT THE POINT WHERE THE DISTANCE FROM THE END OF THE WORK AREA TO THE POINT WHERE THE SIGN IS PLACED IS EQUAL TO THE SUM OF THE DISTANCES FOR A & B.



Know what's below.
Call before you dig

SHEET #:		TR-2
SEE PAGE NO.:	ART. 2010.C.	DESIGNED BY:
10/27/15	BBG	DRAWN BY:
		DATE:
		SCALE:
7 OF 8 SHEETS		
1" = 40'		

COMCAST BLDG TIE
JOB ID# 223000
15651 N. ALPINE RD
LODI, CA



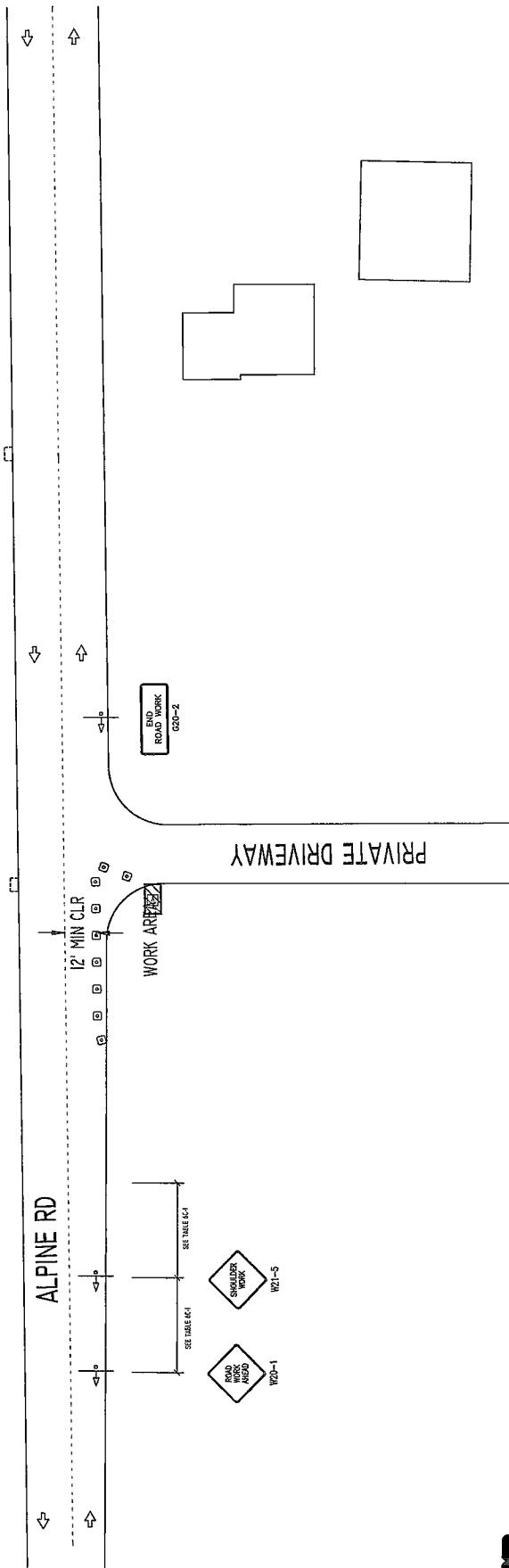
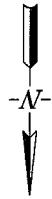
CALIFORNIA MUTCD 2014

TABLE 6C-1 RECOMMENDED ADVANCE WARNING SIGN SPACING

DISTANCE BETWEEN SIGNS**

ROAD TYPE	A	B	C
URBAN - 25 MPH OR LESS***	100 FEET	100 FEET	100 FEET
URBAN - MORE THAN 25 MPH TO 40 MPH**	250 FEET	250 FEET	250 FEET
URBAN - MORE THAN 40 MPH***	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY/FREWAY	1,000 FEET	1,500 FEET	2,000 FEET

** THE DISTANCES SHOWN IN FIGURES 6C-1 THROUGH 6C-4 ARE THE DISTANCES FROM THE TRANSITION POINT OF RESTRICTIVE TO THE FIRST SIGN. THE DISTANCE FROM THE RESTRICTIVE SIGN TO THE SECOND SIGN IS THE SUM OF THE DISTANCE FROM THE FIRST SIGN TO THE POINT WHERE THE SPEED LIMIT IS LOWER AND THE DISTANCE FROM THAT POINT TO THE SECOND SIGN. THE SPEED LIMIT IS THE POSTED SPEED LIMIT, OR IF FEASIBLE, SYSTEMIC SPEED LIMIT, OR WORK STANDING, OR OTHER AUTHORIZED OPERATING SPEED IN MPH.



SHEET #:		COMCAST BLDG TIE		DRAWN BY:		DESIGNED BY:		ATT JOB NO.:		SHEET NO.:	
TR-3		JOB ID# 223080		BED		BED		1077RS		1077RS	
15651 N. ALPINE RD		LOD, CA		1" = 40'		8 OF 8 SHEETS					
Sagebrush Engineering		APPROV		SWE		SWE		ISSUED FOR REVIEW		ISSUED	
Communication Engineers		CITY REVIEW									
415 PERMITTEES CT, STE G											
BRENTWOOD, CA											
94513											
209-365-3598								bduringert01@gmail.com			



Know what's below.
Call before you dig

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.