

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

P.0. BOX 1810-1810 E. HAZELTON AVENUE STOCKTON, CALIFORNIA 95201 (209) 468-3000 FAX # (209) 468-9324 Permit No: PS-1600888

Date Issued: 03/31/2016

Start Date: 03/31/2016

Exp. Date: 06/01/2016

Project No: PWP7110005

Permit Section

Quad: SW

ENCROACHMENT PERMIT

To: ZAYO GROUP 75 E SANTA CLARA ST SAN JOSE CA 95133

-Field Inspection

-Permit Section

YELLOW

PINK

Encroachment Type:

Trench						
Location: LAMMERS R	D 1700' N/O SCH	IULTE RD				
application and		terms, conditions and r				of-way as shown on attached pecial provisions on any part of this
Director. Surf to depth of util underground u	ace of trench patch ities through roads	nes shall match in kind side area in anticipation	and be smoot of future dra	h and even with that of ab inage facilities, road profi	utting surfa le and/or fr	ne unless otherwise approved by the ce. Special attention shall be given ontage development. All centerline of road right of way, or
Permittee sha	ll call the Denart	ment of Public Work	s Field Fngi	nëëring Division (Permi	t-Inspectio	ns) at (209)953-7421-at-least
forty-eight ho	urs prior to begin	nning any work withi	n the County	right of way. All work	performed	under this permit shall conform to
pedestrian or a	utomobile traffic.	All necessary traffic co	onvenience an	d warning devices and per	rsonnel sha	hich might be a hazard to either Il be provided, placed and ANS Manual of Traffic Control.
neat workmanl completion (se	ike manner. Imme e attached post car		oletion of con			be removed and the jobsite left in a shall fill out and mail notice of
Special Comm						
Trame Contro	i Per MOTCD					
FORMS:	SS/WW, R-29					
Est. Permit Fo	ee: \$620.15					
						BALAJI, Director
WHITE	-Permittee				Depa	artment of Public Works
GOLDENROD	-PWD Centra	l File				

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

 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 JOAOUIN 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 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.

APPLICATION FOR ENCROACHMENT PERMIT

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2016 FEB 17 Pr. 4: 03

Date	February 16, 2016		OFFICE USE ONLY	UP PUIL I MIRKS
To:	San Joaquin County	JOB#	110005 REF#	
	Department of Public Works	APN	CR#	A
ZAYO	Group	EXP. DATE	3-31-16 TO 6-1-16	5 DRIVEWAYS:
ZATO	(Applicant Name)	STREET	Lammers	brivewars.
		AREA	Tracy QUAD SL	*
2700 N	Merced Street	TYPE	Bare	*
	(Mailing Address)	FORMS	55 WW R29	
		NOTES		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
San Le	andro, CA 94577			
	(City, State, Zip Code)	-		
(916) 2	217-3637	20		F1-10 12 19
	(Area Code - Telephone Number)			10 20
Sketch ([Detailed plans may be submitted)			
J. (2	oranio piano may so casimica,			
	a interest of the second			
		8		
The under	signed hereby applies for permission to excar	uata construct and/	or otherwise energed on County	Highway Dight of Move on
the unders	est side of S Lammers Road		pproximately1,700'	feet/mile North
of Redbrid	lge RoadT	racy, CA	, by performing the following wo	
Work cre	ew to access (22) utility poles and trent	and place app		
up corre	sponding traffic control. Work crew to t	hen install fiber o	ptic cable to provide service t	o a customer.
		N 10 10 10 10 10 10 10 10 10 10 10 10 10		
M==l==::11 =				
/Vork will c	ommence on or about 03/01/20	15	for approximately	60 days
the under	rsigned, certify that I am the owner of the res	nective property or	am qualified to represent the own	or and garee to do the
	ibed above in accordance with the rules and			
	////	ga. aone or our o	ocarry and odojoot to mop	zoston and approval.
	/////		February 16,2016	
Si	ignature of Applicant - Title		Date	



CALL BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

Project Location





COUNTY OF SAN JOAQUIN PERMIT PACKAGE

SITE #: 2.3 J

SITE NAME: PLEASANTON RING

WORK LOCATION: S LAMMERS RD. TRACY, CA

ZAYO PROJECT TEAM

Contact List:
RICK PESQUERA
PROJECT MANAGER
MOUNTAIN TOP COMMUNICATION SERV.
1902 ORANGE TREE LANE, STE. 140
REDLANDS, CA 92374
PHONE: 909-798-4400

DAVE RUGG PROJECT MANAGER ZAYO GROUP 2700 MERCED ST SAN LEANDRO CA 94577 PHONE: 916-207-3637

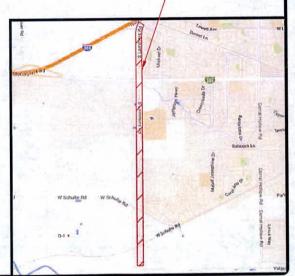
	SHEET INDEX
P-CS	Permit Cover Sheet
GN	General Notes
OM	Overview Map
CD-LD	Construction Legend
CD-D1	Construction Details
CD-KM	Construction Key Map
CD-01/CD-09	Construction Design
TC-LD	TCP Legend/Gen. Notes
TC-KM	Traffic Control Key Map
TC-01/TC-06	Traffic Control Layout

CHEET INDEX

MATERIALS	UNIT	TOTAL
Bore	LF	466
Trench	LF	15
Asphalt Rem/Rep	SF	0
S/W Rem/Rep	SF	0

UTILITY NOTE:
THE UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE IN LOCATION AND SIZE. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY IN VERIFYING THE EXACT LOCATION/DEPTH OF ALL EXISTING UTILITIES.









PROJECT NAME & ADDRESS

SITE #: 2.3 J

SITE NAME: PLEASANTON RING
S LAMMERS ROAD
TRACY, CA
95577

SHEET DESCRIPTION:	SHEET
PERMIT PACKAGE COVER SHEET	1000
DATE: 02/11/2016	P-CS
SCALE: AS SHOWN	, ,

GENERAL NOTES

. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY'S TANDARD DETAILS, TECHNICAL SPECIFICATIONS, AND GENERAL REQUIREMENT

CONTRACTOR SHALL SECURE A BNERDASCHEENT PERMIT FROM THE CITY ENGINEERING DEFT. AND PAY APPROPRIATE FEE PRICE TO COMMENCEMENT OF WORK, ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE DONE UNDER AN ENCROACHMENT PERMIT.

IT IS THE CONTRACTORS RESPONSIBILITY TO VEREY THE DOCATION OF ALL TO SKITCH WHITE THE PROPERTY ETHILITY RESPONSIBILITY TO VEREY THE DOCATION OF THE COMMENCE SHOULD SHOULD

I, ALL SIDEWALK, CURD, AND GUTTER SHALL BE REMOVED AND REPLACED TO THE MEAREST SCORE MARK CIR AS DIRECTED BY THE ENGINEER. INSTALLATION OF MEY SIDEWALK, CURB & GUTTER AGAINST EXISTING IMPROVEMENTS SHALL REQUIRE A SIDEWALK CONTACT JOINT (DOWELS

A LUCKS OFFEWNES DRECTED BY THE CITY BOUNESS IN THE FEED.

AT EACH LOCK/TON WHERE RAY CHRISCHES INSTALLATION, OFFENNAY ARANGOMENT, CUB
DISTING STREET (DRYENAY BYSTALLATION, ORIVENAY ARANGOMENT, CUB
SCHITCHES STREET DRYENAY BYSTALLATION, ORIVENAY ARANGOMENT, CUB
RECONSTRUCTION SHALL BE REQUIRED, AN 15 YIME BAND OF PAYERIOT
SHALL BE REMOYED, BORFLACED, AND OTHE STRING LEVEL OF CUBBCOUTTE
SHALL DES STREETS WITH AC CORP. OF AVERBURT ON IN EXPLOSES.

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THE STREETS WITH ACC CERRON, DEPTH SHALL BE THE SHA

5. BLACK SAND SLURRY SEAL SHALL BE REQUIRED ON ALL NEW STREET PAYEMENT FOR TRENCH WORK, POTHOLES, AND STREET WIDENINGS. SLURRY SEAL SHALL EXTEND 12" BEYOND THE LIMIT OF PAYEMENT RECONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY, BY CIRCULAR, ALL BUSINESS ESTABLISHMENTS RESIDENCES LOCATED IN AREAS AFFECTED BY THE WORK AT LEAST (48) HOURS URE TO START OF CONSTRUCTION, CIRCULAR SHALL BE SUBJECT TO THE APPROVAL THE CITY ENGINEER.

ALL MANHOLES, VALVE BOXES, MONUMENT BOXES, AND OTHER STRUCTURES IN THE AVENEYT AREA SHALL BE ADJUSTED TO FINISH GRADE REFORE PAVING FINAL LIFT.

GRADE BREAKS ON CURBS AND SIDEWALKS ARE TO BE ROUNDED OFF ON FORM FORK & FHISHED SURFACING.

1. ALL SURPLUS & UNSUITABLE MATERIAL SHALL BE REMOVED FROM PUBLIC RIGHT OF WAY.

12. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL & KEEP MUD & DEBHIS OFF THE PUBLIC RIGHT OF WAY AT ALL TIMES.

ALL TRENCHES & EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH APPLICABLE SECTIONS OF CALLF. & FEDERAL O.S.H.A. REQUIREMENTS & OTHER LICABLE SKAFTY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR NCH SHORMS DESIGN & INSTALLATION. STING UTILITIES SHOWN ARE BASED UPON RECORD INFORMATION & ARE APPROXIMATE TIONS & DEPHI, THE CONTRACTOR SHALL POPHOLE ALL EXISTING UTILITIES THAT MAY BE ED BY NEW FACILITIES IN THIS CONTRACT, VERIFY ACTUAL LOCATION & DEPHI, & REPORT TIAL CONFLICTS TO THE ENGINEER PRIOR TO EXCAVATING FOR NEW FACILITIES.

TO THE COSTINACION SHALL POTREE ALL DISTING UTUTIES THAT MAY BE ALLOW HABBINI, POLITIKING TO ORTHIC THE TOTRIM DAMAN THAT, NO PENJER COMMUNIC, THE CHIPMACTOR SHALL INVICIONET THE EPOSPOSHATE BEST MANAGEMENT PRACTICE (BM-9) AS OFFILINGE HE BROCHEST CHIPMACTOR WEST MANAGEMENT PRACTICE (THE TECHNISTIC CHIPMACTOR IN SOURCE POLITICAL CONTINUE, PRIZICALLE ALLOW DATES OF SUCCESSION THE MARIE CONTINUE AULTE AND CONTINUE FOR SUCCESSION THE ARMOREM THE AREA CONTINUED, PRIZICALLE ALLOW DATES OF SUCCESSION THE ARMOREM THE AREA CONTINUED, PRIZICALLE ALLOW DATES OF SUCCESSION THE AREA OFFICE ALLOW THE AREA CONTINUED, PRIZICALLE ALLOW THE ALLOW THE AREA CONTINUED, PRIZICALLE ALLOW TH

16. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE PUBLIC RIGHT OF WAY SHALL NOT BE PERMITTED, EXCEPT AT LOCATION(S) APPROVED BY THE CITY TRAFFIC ENGINEER.

17, UNLESS OTHERWISE NOTED, CLASS 2 A.B. UNDER CURB, GUTTER, & STREET SECTIONS PAYED WITH ASPHALT CONCRETE SHALL BE COMPACTED TO 93% RELATIVE COMPACTION (MINUMUM).

18. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.

19, PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY BE RELOCATED ONTO PRIVATE PROPERTY WITH OWNERS PERMISSION ONLY.

GENERAL NOTES

20. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED UNLESS IT IS ALLOWED BY THE CITY ENGINEER IN WRITING.

21, NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING HON-WORKING PERIODS UNLESS IT IS ALLOWED BY CITY ENGINEER IN WRITING.

22. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK AT ANYTIME.

2). EXCAVATION MATERIALS SHALL BE STORED AWAY FROM THE PAYED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL IS TO BE REMOVED TO AVOID SLIPPERY CONDITIONS.

24. EOSTING SIONS, DELINEATIONS, GUARGEAUES, MARKETES, TREES, SHRUSS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THER GROBINAL CONDITION ON TO THE SATISFACTION OF THE ALL CONTROL OF THE SATISFACTION OF THE ALL CONTROL OF THE SATISFACTION OF THE ALL ACCENT PROPERTY OWNERS AND THE COVERNING CITY/COUNTY AGENCY.

CONSTRUCTION NOTES

THE METHOD OF CONSTRUCTION SHALL BE BY HORIZONTAL BOSING UNLESS OTHERWISE APPROVED BY THE CITY.

2. (1)4" PVC W/(3) 1.25" INDT. SHALL BE INSTALLED ON ALL OPEN TRENCHING UNLESS SHOWN OTHERWISE.

I. EXISTING UTILITIES JARE SIEMMI IN JAPRODIAMATE LOCATIONS GINK, NOT ALL EXISTING UTILITIES JARE SEGONON ON THIS POUNT, THE COMPACTION SHALE TELD EXISTING UTILITIES WE EXPONENT HAVE LOCATION OF ALL UTILITIES WE EXPOSING UTILITY CROSSINGS PRODICT DIRECTIONAL BORNOG. THE COMPACTION SHALL USE HAVED TOOLS, AND EXTENSE CASE WIFEN MORSONIC IN CLOSE PRODUMETY TO EXISTING UTILITIES.

ALSO APPLY TO FIRE HYDRANTS THE STATE OF THE CITY, TRANSPORT OF THE CITY, TRUTES UNLESS OTHERWISE APPROVED BY THE CITY, EVATION AS WATER MAINS, 8 HORIZONTAL CLEARANCE OTHEWISE APPROVED BY THE CITY, CLEARANCES IN THE CITY, CLEARANCE I

THE FOLLOWING MINIMUM CLEARANCES FROM REAMED PERMETER OF THE BIDDE HOLE TO THE GUTER PERMETER OF THE UTILITY SHALL BE USED AS A GUIDELINE. THE GOTTENHOLAL REPORT CONCLUSIONS & RECOMMENDATIONS ON THE CITY'S DETERMINATION SHALL BE FOLLOWED. IF MORE RESTRICTIVE.

(A) LOCATE HOD 8 FT. CLEAR (HORIZONTALLY) FROM THE EXISTING STORM DRIAIN & SANITARY SEMER MAINS, EXCEPT WHEN AT THE SAME ELEVATION AS WATER MAINS, 8 FT. HORIZONTAL CLEARANCE SHALL BE MAINTARED, MINIMAN OF 5 FT. HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM FIRE HYDRANTS, ELECTRICAL, GAS, ETC.). CROSSING SHALL BE AT PO DEGREE.

BORE DIAMETER	OF COVER	MIN. CLEARANCE FROM CROSSING UTILITIES
" OR LESS		34
14" OR LESS	.9	92
24" OR LESS	101	7

6. AT THE END OF EACH DAY, CONDUIT CAPS SHALL BE PLACED ON ALL WALANT DUCTS. DUCT IN BUILDING ENTRANCES, NEW OR EXISTING SHALL BE SKALED PRIOR AND AFTER PLACEMENT OF BIERG OFFIC CABLE IS CONFLETED, INCLUDING DUCTS ON WALL WHERE CORNIG IS REQUIRED.

25

THE REMOVAL, STORAGE, AND REPLACEMENT OF ALL SHRUBBERY SHALL BE THE RESPONSIBILITY OF CONTRACTOR. ALL LANDSCAPING SHALL BE RESTORED TO DISGINAL OR BETTER CONDITIONS.

THE COMMET COMMET SHALL BE AND INTERCONNECT COMMET AND INTERCONNECT COMMETS AND INTERCONNECT COMMETS WALL BE ANNIHABLE AND A PROTECTION. LOSS ON EXPLACED SHALL BE MANIHABLE AND A PROTECTION. LOSS ON EXPLACED IN THE COMMETCH AND A PROTECTION. LOSS ON EXPLACED IN THE COMMETCH AND THAT CEPARITHER THE COMMETCH AND THAT CEPARITHER THE ADMINISTRATION OF THE COMMETCH AND THAT CEPARITHER THAT CEPARITHER THAT COMMETCH AND THAT CEPARITHER COMMETCH AND THAT CEPARITHER CEPARITH B. TRAFFIC SIGNAL CIRCUITS AND INTERCONNECT CONDUITS MAY NOT BE SHOWN.
CONTRACTOR SHALL LOCALE ALL TRAFFIC SIGNAL CIRCUITS AND INTERCONNECT
COMMUNIS PROBLET TO MAY TRACHISH OR BODING. PROPRIOR S ESPRANTION BESTYED.
SHY CONDUITS AND ALL TRAFFIC SIGNAL AND INTERCONNECT CONDUITS AND 5 FROM

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

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

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

CITY ARBORIST NOTES:

"I, AN TREACHES SHALL BE DOOK WITHEN THE DIREMENT OF DOTHING TREES WITHOUT THE APPROVAL OF THE CIT A RESIDENT, OWEN TRES-DOOK ON THE KNOT FORCE OF A VALUE, THESE IS PROMISHED DECET IN CASSS WRIZER THE TRIBUCHING FALL OF THE CIT A REQUIVED, IN CONTROL OF IN THE CIT A RESIDENT, THE WAYLET OF TREATMENT DOWN THE TREE WALL OF THE CIT A RESIDENT, THE WAYLET OF TREATMENT DOWN THE TREE WALL BE A VALUE OF THE CIT A RESIDENT, THE WAYLET OF TREATMENT DOWN THE TREE WALL

2, NO CUTTING OF ANY PART OF CITY TREES, INCLUDING ROOTS SHALL BE DONE WITHOUT SECURING APPROVAL AND DIRECT SUPERVISION FROM THE CITY ARBORIST

NO CUTTING OF ANY PART OF PRIVATE TREES, INCLUDING ROOTS, SHALL BE DONE WITHOUT SECURING SUPERVISION OF A CERTIFIED ARBORIST (CERTIFICATION OF INTERNATIONAL SOCIETY OF ABORICULTURE).

. BORE OUTSIDE THE DRIPLINE OF ALL TREES TO PREVENT ROOT DAMAGE. NO NORE PITS ARE ALLOWED WITHIN THE DRIPLINE OF ANY EXISTING TREE.

S. TUNNELING, ALL PUBLIC TREES IN EXCESS OF SIDEN, WHERE THERE IS INSUFFICIENT SPACE TO REPORTS. THE GROWN SET TREADERS, MAST BE TUNNELLD THE RECONNING, DIGING DISTANCE OF THE TUNNEL FROM THE FACE OF THE TREE. IN ANY ORDERITOR IS DETURNED BY THE DIAMETER OF THE TREE AS SPECIFED BY THE DIAMETER OF THE TREE AS SPECIFED BY THE DIAMETER OF THE TREE AS SPECIFED BY

NET THIS MAN. OF TUNNELLING AT THIS MAN. OF THE TREE IN ANY DIRECTION. SPETIT 12 FEET 13 FEET 13 FEET 15 FEET



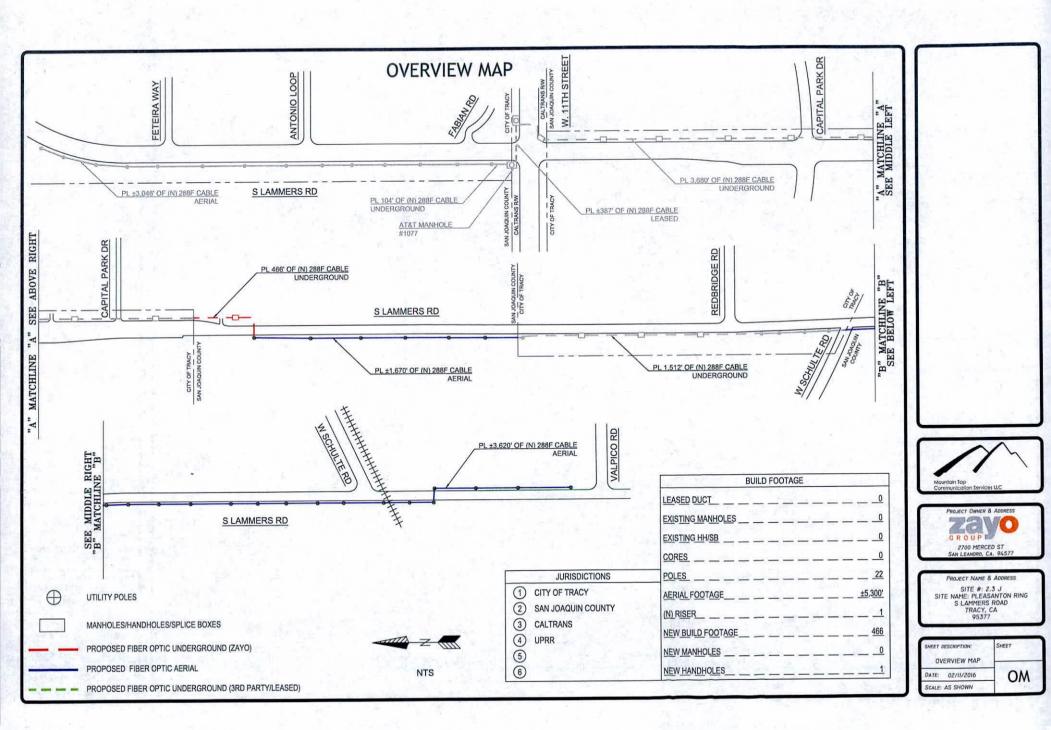




SITE #: 2.3 J
SITE NAME: PLEASANTON RING
S LAMMERS ROAD
TRACY, CA
95377 PROJECT NAME & ADDRESS

DATE: 02/11/2016 HEET DESCRIPTION: GENERAL NOTES SHEET SR

SCALE: AS SHOWN



LEGEND

CONVENTIONAL SYMBOLS CONT.

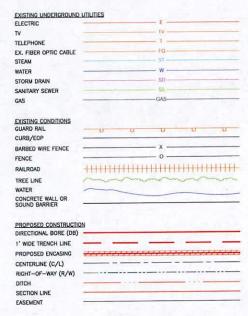
CONVENTIONAL SYMBOLS DESCRIPTION	ABBREVIATION	SYMBOL
BOX CULVERT	BXC	
BRIDGE	BR) [
BUS STOP	BS	(BUS)
CABLE TV PEDESTAL	CTVP	
CATCH BASIN / INLET	ST DR	63
CRASH BARRIER	CRB	0
CULVERT	CUL	><
DOWN GUY	DG	>-⊗
DRIVEWAY	DWY	
ELECTRICAL MANHOLE	ЕМН	(E)
ELECTRIC HANDHOLE	ЕНН	
ELECTRIC VAULT	EV	60
ELECTRIC WATER PUMP	EWP	0
FENCE POST	FP	0
FIBER OPTIC CABLE HANDHOLE	FOHH	E
FIBER OPTIC CABLE MANHOLE	FOMH	(F)
FIBER OPTIC CABLE PEDESTAL	FOPED	(F)
FIRE HYDRANT	FH	4
GAS HANDHOLE	GHH	[G]
GAS METER	GM	G
GAS VALVE	GV	D-d
GATE	GATE	7
ICG MANHOLE	ICGMH	0
INTERMEDIA COMMUNICATIONS MANHOLE	INMH	0
PARKWAY	PKWY	
PAYPHONE	P PH	田
PILLAR	PIL	
POWER PEDESTAL	PPD	P
ROAD SIGN	RS	-
TRAFFIC FLOW	TF	_
SANITARY SEWER MANHOLE	SSMH	69
SANITARY SEWER CLEAN OUT	SSCO	(65)
SPLICE	SPL	-
SPLICE BOX	SPLB	ŚB
SPRINKLER CONTROL BOX	SCB	SP
POLE SYMBOLS DESCRIPTION STEEL POLE POWER POLE JOINT USE	ABBREVIATION STP PP	SYMBOL
JOINT USE POWER ONLY	PO	×
TELEPHONE ONLY	то	0
FOREIGN POWER	STFP	-

DESCRIPTION	ABBREVIATION	SYMBOL KEY
SPRINKLER HEAD	SPH	A
STEAM MANHOLE	STMH	(5)
STORM DRAIN MANHOLE	SDMH	6
STREET LIGHT	STL	**
UTILITY MARKER	UM	Tree
SURVEY MARKER	SM	ISI
SWING OR DRAW BRIDGE	SWBR) 0 (
RAILROAD SWITCH BOX	RRSB	0
TELEPHONE MANHOLE	TMH	1
TELEPHONE PEDESTAL	TPD	m
TRAFFIC CONTROL BOX	TCB	EAB
TRAFFIC CONTROL HANDHOLE	тснн	[WC]
TRAFFIC LIGHT	TL	*
TRANSFORMER	TX	(X)
TREE	TREE	0
UNIDENTIFIED HANDHOLE	UHH	[FH1]
UNIDENTIFIED MANHOLE	UMH	O
UNIDENTIFIED PEDESTAL	UPED	(2)
UTILITY BOX	UB	UT
VENT	VT	V
WATER MANHOLE	WMH	(W)
WATER METER	WM	(ma
WATER VALVE	wv	Þd
WEATHER TOWER	WTWR	W
MONITORING WELL	MW	0
WND DEFLECTOR	WD	Δ
IRRIGATION BOX	IBX	RR
ENGINEERING SYMBOLS		
DESCRIPTION	ABBREVIATION	SYMBOL
EXISTING ZAYO MANHOLE	EX MH	O
ZAYO PROPOSED MANHOLE	PL MH	Θ
EXISTING ZAYO HANDHOLE	EX HH	
ZAYO PROPOSED HANDHOLE	PL HH	
BOND AND GROUND	GRD	
BORE/RECEIVE PIT	PL BP EX ATT HH	
EXISTING ATT HH/SB		
EXISTING ATT MH	EX ATT MH	
CELL TOWER	CELL TOWER	⟨.⟩
POLE HARDWARE DESCRIPTION	ABBREVIATION	SYMBOL
EXISTING POWER ANCHOR	EPA	€—
PROPOSED ANCHOR	PA	>
EXISTING ANCHOR	TA	D
SIDEWALK ANCHOR	SA	لبط
BOW TIE	BT	∞
EXISTING OVERHEAD GUY	EOHG	
PROPOSED OVERHEAD GUY	POHG	

EXISTING VERTICAL GROUND

EVG

CONVENTIONAL SYMBOLS CONT.





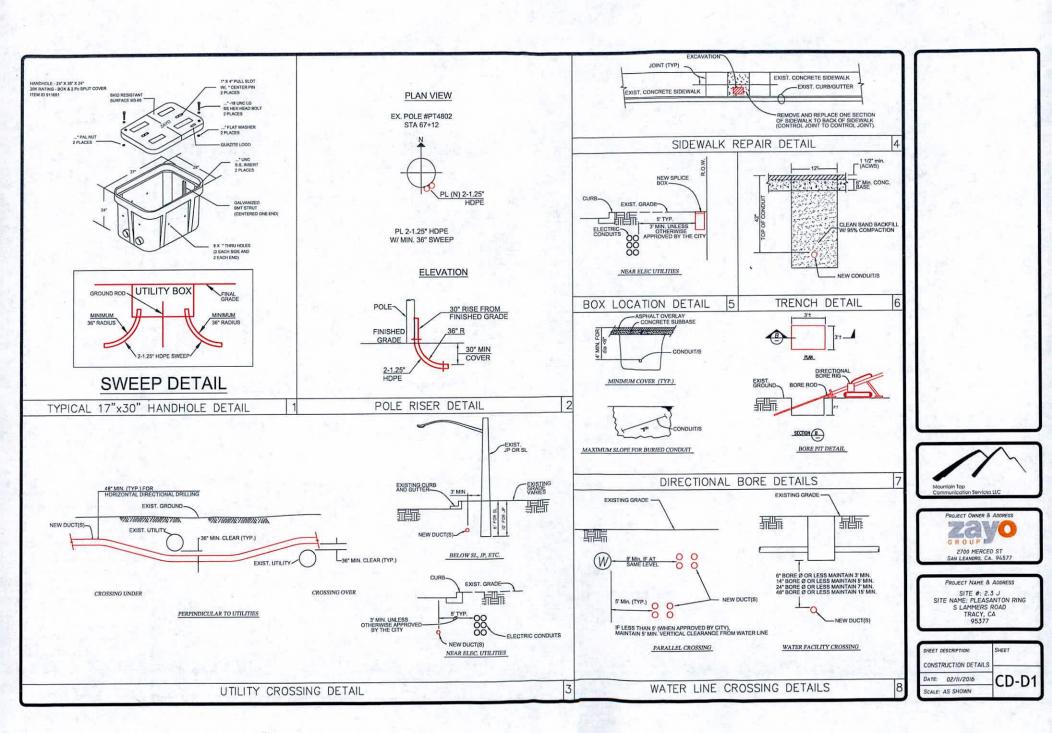


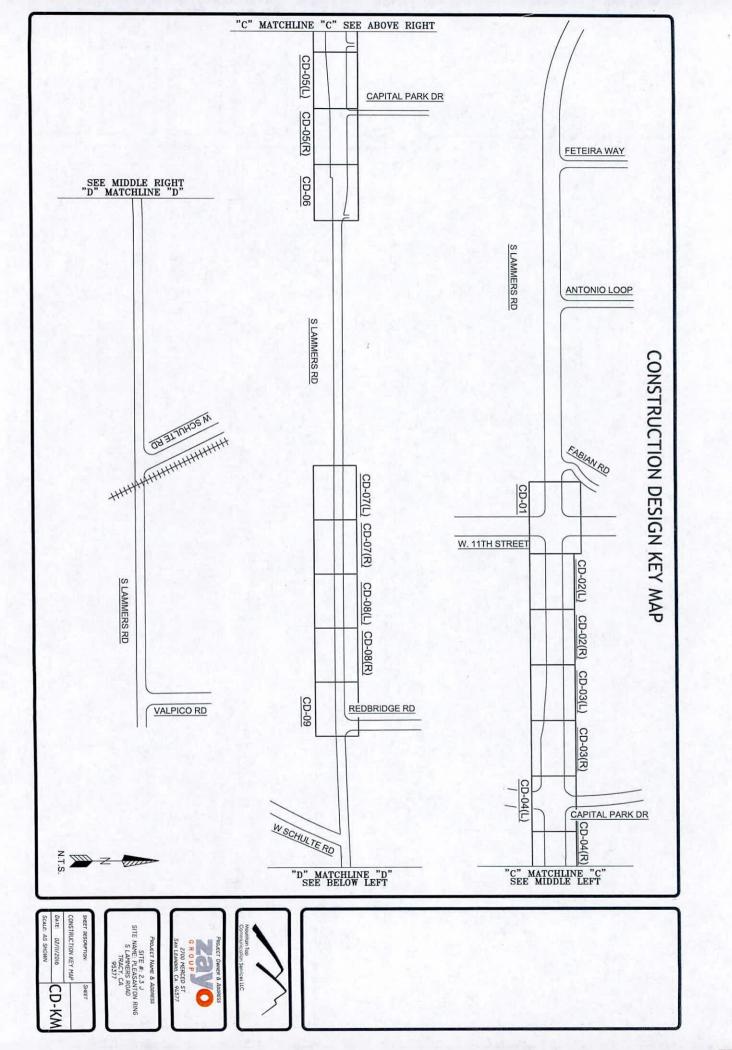
PROJECT NAME & ADDRESS

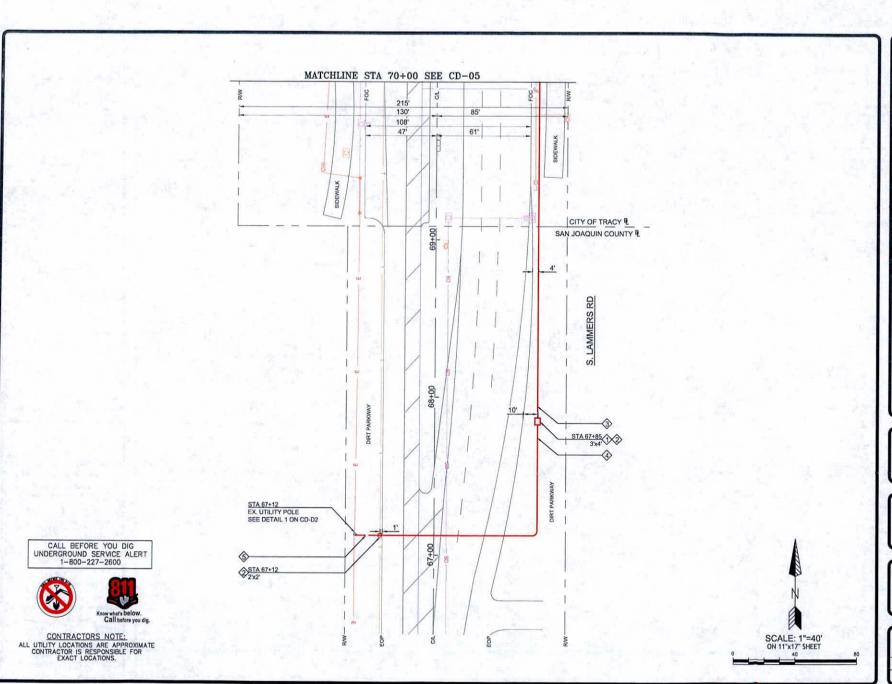
SITE #: 2.3 J

SITE NAME: PLEASANTON RING
S LAMMERS ROAD
TRACY, CA
95377

SHEET DESCRIPTION:	SHEET
CONSTRUCTION LEGENT	
DATE: 02/11/2016	CD-ID
SCALE: AS SHOWN	CD LD







KEY NOTES

PLACE 3'X4' ZAYO HH

NEW BORE PIT. REMOVE AND REPLACE ASPHALT/CONCRETE AS NECESSARY IN ACCORDANCE WITH GOVERNING AGENCY'S STANDARDS.

BORE AND PLACE 400° OF
2-1.25° HDPE FROM NEW ZAYO
HAND HOLE STA 71+75 TO NEW
ZAYO HAND HOLE STA 67+85

BORE AND PLACE 172' OF
2-1.25" HDPE FROM NEW ZAYO
HAND HOLE STA 67+85 TO
BORE PIT STA 67+12

TRENCH AND PLACE 15' OF
2-1.25' HDPE FROM BORE PIT
STA 67+12 TO EX. UTILITY
POLE STA 67+12





PROJECT NAME & ADDRESS

SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

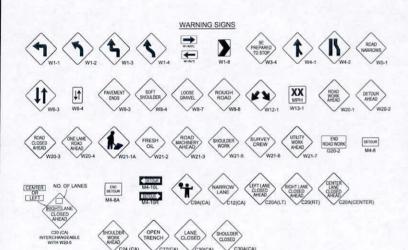
SHEET DESCRIPTION:

CONSTRUCTION DESIGN

DATE: 02/11/2016

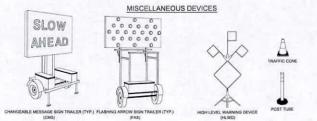
SCALE: AS SHOWN.

TRAFFIC CONTROL LEGEND AND GENERAL NOTES



REGULATORY SIGNS





RECOMMENDED ADVANCED WARNING SIGN SPACING

DC	AD TYPE		DISTANO	E BETWEEN	N SIGNS
RC	AD TIFE		A	В	C
URBAN (LOW SPEED	25 HPH OR LESS		100	100	100
URBAN (HIGH SPEED) MORE THAN 25 M	H TO 40 MPH	250	250	250
URBAN (HIGH SPEEC) MORE THAN 40 M	н	350	350	350
RURAL			500	500	500
EXPRESSWAY/FREEV	VAY		1000	1500	2540
SPEED** S (MPH)	FOR MERGING L (FT)	SHIFTING L/2 (FT)	OFFSET I. SHOULDER L/3 (FT)	DOWN STREAM (FT)***	SPACE (FT)
20	80	40	27	50	115
25	125	63	42	50	155
30	180	90	60	50	200
35	245	123	82	50	250
40	320	160	107	50	305
45	540	270	180	50	360
50 55	600	300	200	50	425
	660	330 360	220	50	570
60 65	720 780	390	260	50	645

- * DISTANCES SHOWN IN FEET, THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR
- POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE RETWEEN
- THE FIRST AND SECOND SIGNS.
- THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.
- (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS
- CLOSEST TO THE TTC ZONE.
 THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM
 THE TTC ZONE.)
- ** POSTED SPEED LIMIT, OFF PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.
- *** FOR OTHER OFFSETS USE THE FOLLOWING MERGING TAPER
 - FOR SPEEDS OF 40 MPH OF LESS, L*WS/60 FOR SPEEDS OF 45 MPH OR MORE, L*WS
 - FOR SPEEDS OF 45 MPH OR MORE, L*WS
 WHERE L = TAPER LENGTH IN FEET
- W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED LIMIT, OFF PEAK
 85TH-PERCENTILE SPEED PRIOR
 - TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH
- **** MAXIMUM DOWNSTREAM TAPER LENGTH IS 100 FEET.

GENERAL NOTES:

- 1) INDIVIDUALS WHO ARE KNOWLEDGABLE IN THE PRINCIPLES OF TEMPORARY TRAFFIC CONTROL(TTC) SHOULD BE ASSIGNED RESPONSIBILITY FOR SAFETY IN TTC ZONES TO CHECK THAT ALL TTC DEVICES OF THE PROJECT ARE REASONABLY CONSISTENT WITH THE TTC PLAN AND ARE EFECTIVE IN PROVIDING REASONABLY SAFE CONDITIONS FOR MOTORISTS, BICYCLISTS, PEDESTRIANS, AND WORKERS.
- 2) AS WORK PORCRESSES TTC AND/OR WORKING CONDITIONS SHOULD BE MODIFIED IN ORDER TO PROVIDE REASONABLY SAFE AND EFFICIENT ROAD USER MOVEMENT AND TO PROVIDE WORKER SAFETY. THE INDIVIDUAL RESPONSIBLE FOR TTC SHOULD HAVE THE AUTHORITY TO HALT WORK UNTIL APPLICABLE OR REMEDIAL SAFETY MEASURE ARE TAKEN.
- 3) ALL TTC DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
- 4) WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- 5) AUDIBLE INFORMATION DEVICES ARE TO BE USED TO ASSIST PEDESTRIANS WITH VISUAL DISABILITIES WHERE NEEDED.
- 6) CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- 7) CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
- 8) AS OF SEPTEMBER 26, 2006, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) HAS BEEN COMBINED
- WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MUTCD 2014 AND THE CALIFORNIA SUPPLEMENT (MAY 20, 2004). CHAPTER 6, OF THE CALIFORNIA MUTCD COVERS TIC TYPICAL SETUPS AND THE USE WITHIN PUBLIC RIGHT-OF-WAY.
- 9) AS A TRAFFIC CONTROL PRACTITIONERS, THE CITY EXPECTS THE CONTRACTOR TO DESIGN AND PROVIDE A TTC PLAN WITH HIGH-LEVEL WARNING DEVICES, CHANNELING CONES, FLASHING ARROW BOARDS, AND SIGNING AND BE ABLE TO INSTALL THESE ITEMS AS SHOWN ON THE APPROVED PLAN. IN ADDITION, IT IS ACCEPTABLE TO CONTRACT A RESPONSIBLE SIGNING AND STRIPING COMPANY FOR TTC DESIGNING AND ALL
- UPDATES, WHICH COMPLIES WITH THE CALIFORNIA MUTCD.

 10) SIGNS USED FOR STATIONARY OR TEMPORARY TRAFFIC CONTROL ZONE, MAY BE FABRICATED FROM FIBERGLASS REINFORCED PLASTIC, METAL, REFLECTIVE MESH, OR OTHER REFLECTIVE MATERIAL AS APPROVED BY THE ASSISTANT CITY ENGINEER OR ACTING AGENT. ABSOLUTELY NO PAPER
- SIGNS SHALL BE ALLOWED.

 11) SIGNS SHALL BE IN GOOD CONDITION, NO TEARS, NOT WORN OUT, OR NOT MISSING REFLECTIVE PROPERTIES.
- 12) TYPICAL TTC SETUP AND OTHER BENEFICIAL MATERIAL HAVE BEEN PRINTED IN THE 2006 WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH). THE 2006 WATCH GUIDE IS IN CONFORMANCE WITH CALIFORNIA MUTCD.
- 13) ALL TTC SIGNING SHALL BE STANDARD/CONVENTIONAL IN SIZE.
- 14) CHANNELING CONES SHALL BE 28" IN HEIGHT AND IN GOOD CLEAN CONDITION. REFLECTIVE SHEETING IS ADVISABLE AND MANDATORY WHEN LEFT OVERNIGHT OR FOR NIGHT WORK.
- LEFT OVERNIGHT OR FOR NIGHT WORK.

 15) EACH HIGH-LEVEL WARNING DEVICE SHALL HAVE FLAGS AND AT LEAST ONE (1) CONE ON THE LEFT VEHICLE APPROACH SIDE. IN SOME CASES,
- BARRICADES MAY BE REQUIRED, HOWEVER WHEN LEFT OVERNIGHT OR FOR NIGHT WORK, THE DEVICE SHALL HAVE A FLASHING BEACON.
 16) IN MOST CASES, THERE MAY BE A SPECIAL NEED TO PROTECT BICYCLES AND PEDESTRIANS, WHICH ARE NOT FULLY COVERED IN PART 6 OF THE MUTCO. SPECIAL BIRK AND PEDESTRIANS ISIGNAGE MAY BE REQUIRED.
- 17) CONSTRUCTION SIGNING SHALL NOT BE PLACED IN BIKE LANE OR IN PEDESTRIAN WALKWAY, UNLESS THE BIKE LANE, SIDEWALK, OR PEDESTRIAN PATH HAS BEEN APPROVED FOR CLOSURE.
- 18) CONSTRUCTION SIGNING SHALL NOT BE INSTALLED ON TRAFFIC SIGNAL POLES. IT IS OKAY TO INSTALL CONSTRUCTION SIGNS ON CITY OWNED ELECTROLIERS.
- 19) COMMON TTC SIGNING (CALIFORNIA IN PARENTHESES): W20-1 (C23) ROAD WORK AHEAD, W9-3 (C20) XXX LANE CLOSED AHEAD (L, R, CENTER, BIKE), C30 (CA) LANE CLOSED, G20-2 (C14) END ROAD WORK, SC11 (CA) BIKE LANE CLOSED, W16-1 SHARE THE ROAD (BLACK ON YELLOW), R9-9 SIDEWALK CLOSED (BLACK ON WHITE), R9-11(L,R) SIDEWALK CLOSED AHEAD (BLACK ON WHITE), C9 (CA) FLAGGER (W/STOP PADDLE), W4-2 (W11) LANE DROP.



LEGEND

Traffic Cone

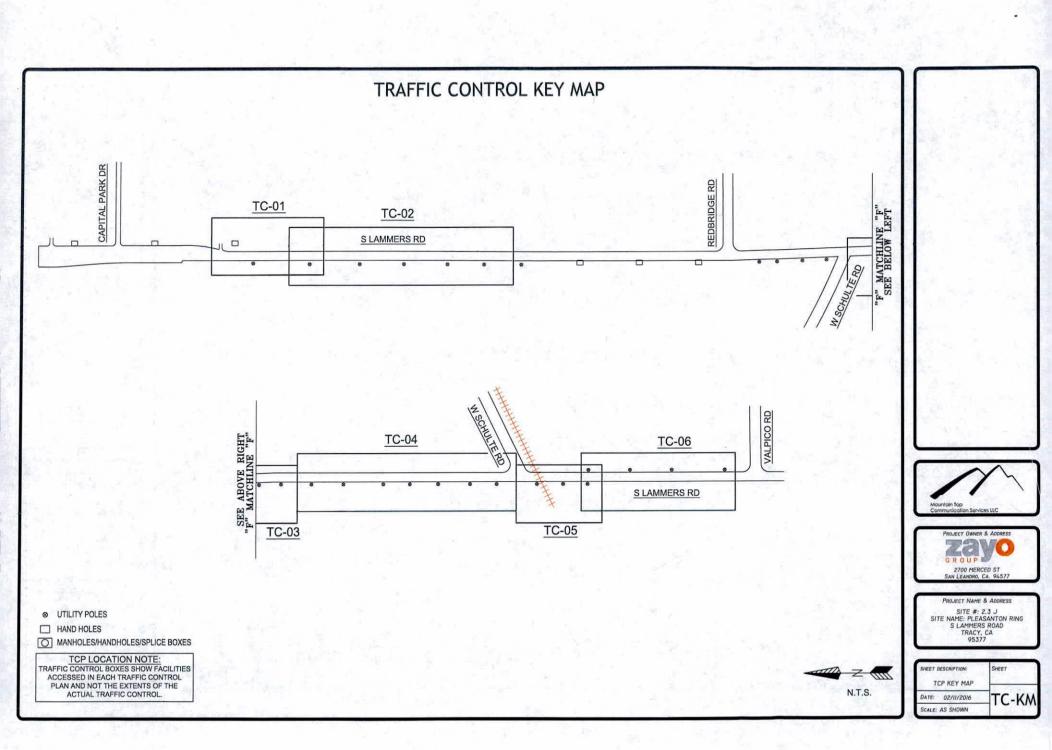


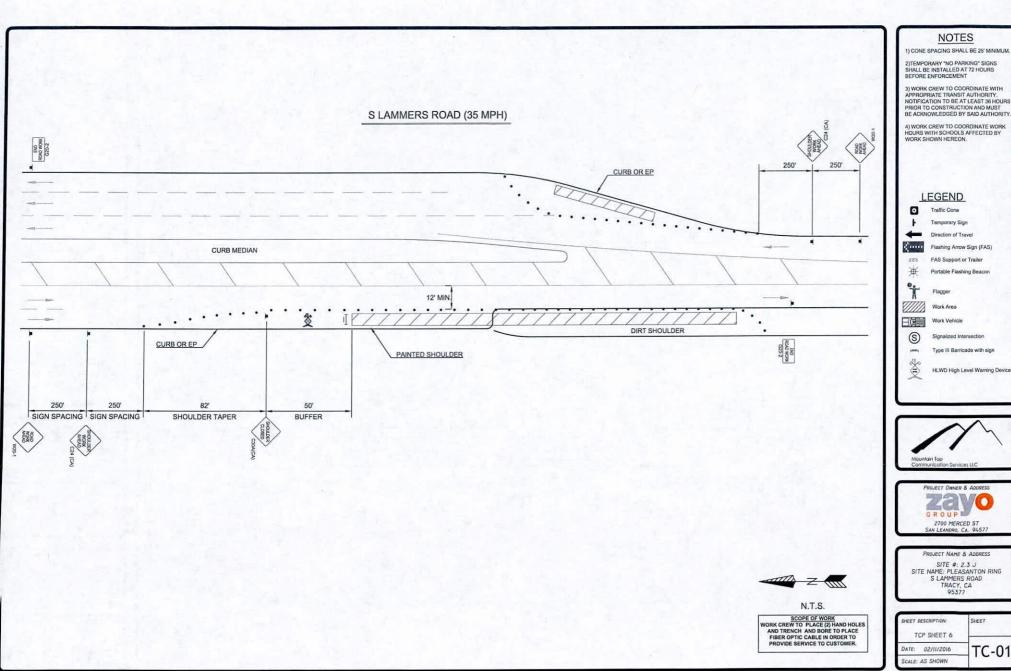


PROJECT NAME & ADDRESS

SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION:		SHEET
TCP LEG./	DET./GEN. NOTES	
DATE: (2/11/2016	TC-LD
SCALE: AS SHOWN		, C LD





3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY, NOTIFICATION TO BE AT LEAST 36 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

Flashing Arrow Sign (FAS)

Type III Barricade with sign

HLWD High Level Warning Device

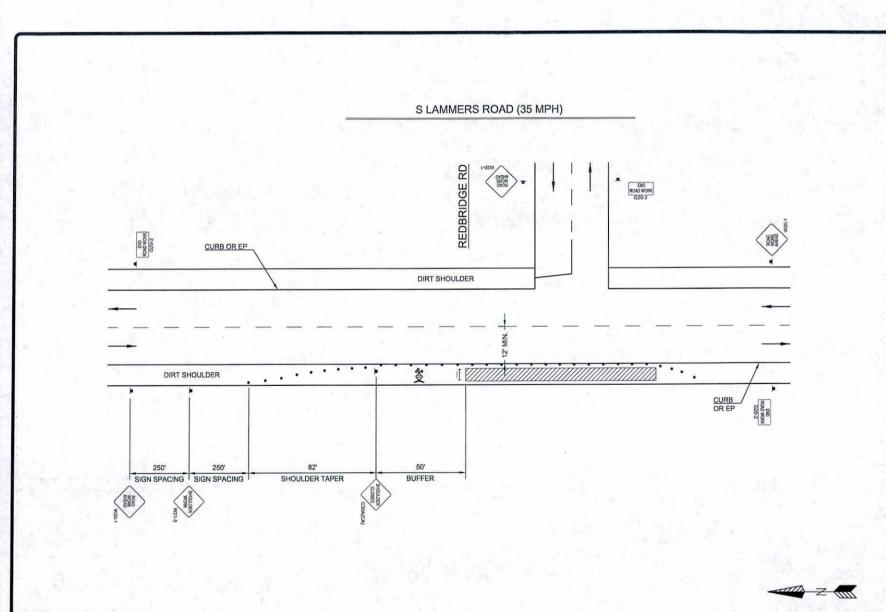




PROJECT NAME & ADDRESS

S LAMMERS ROAD TRACY, CA 95377

SHEET TC-01





1) CONE SPACING SHALL BE 25' MINIMUM.

2) TEMPORARY "NO PARKING" SIGNS SHALL BE INSTALLED AT 72 HOURS BEFORE ENFORCEMENT

3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY, NOTIFICATION TO BE AT LEAST 38 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

4) WORK CREW TO COORDINATE WORK HOURS WITH SCHOOLS AFFECTED BY WORK SHOWN HEREON.

LEGEND

Temporary Sign

FAS Support or Trailer

Portable Flashing Beaco

Flagger

*

HLWD High Level Warning Device





2700 MERCED ST SAN LEANDRO, CA. 94577

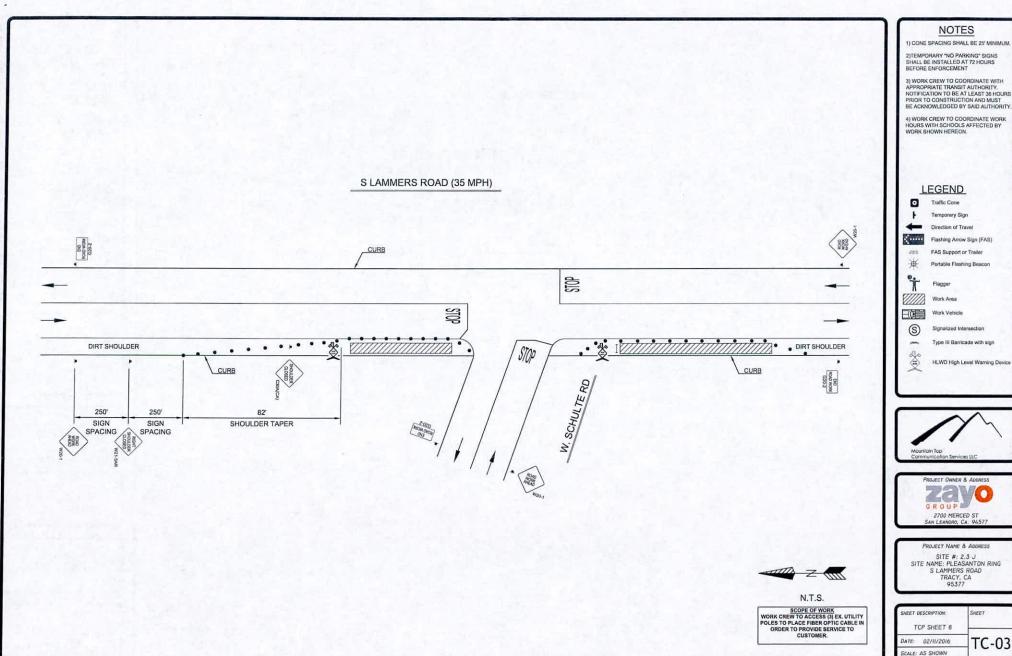
PROJECT NAME & ADDRESS

SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION: TCP SHEET 7 DATE: 02/11/2016 SCALE: AS SHOWN

N.T.S.

SCOPE OF WORK
WORK CREW TO ACCESS (11) EX. UTILITY
POLES AND PLACE (3) HAND HOLES AND
TRENCH TO PLACE FIBER OPTIC CABLE IN
ORDER TO PROVIDE SERVICE TO
CUSTOMER.



3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY. NOTIFICATION TO BE AT LEAST 36 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

Portable Flashing Beacon

Signalized Intersection

Type III Barricade with sign

HLWD High Level Warning Device





PROJECT NAME & ADDRESS SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION:	SHEET
TCP SHEET 8	
DATE: 02/11/2016	TC O

S LAMMERS ROAD (35 MPH) CURB OR EP DIRT SHOULDER SCHULTE R DIRT SHOULDER CURB OR EP 250 250 82' 50 SIGN SPACING SIGN SPACING SHOULDER TAPER BUFFER TCP NOTE: USE THIS TYPICAL FOR ALL TRENCHING ON THIS PROJECT. N.T.S. SCOPE OF WORK WORK CREW TO ACCESS (7) EX. UTILITY POLES TO PLACE FIBER OPTIC CABLE IN ORDER TO PROVIDE SERVICE TO CUSTOMER.

NOTES

1) CONE SPACING SHALL BE 25' MINIMUM.

2)TEMPORARY "NO PARKING" SIGNS SHALL BE INSTALLED AT 72 HOURS BEFORE ENFORCEMENT

3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY. NOTIFICATION TO BE AT LEAST 36 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

4) WORK CREW TO COORDINATE WORK HOURS WITH SCHOOLS AFFECTED BY WORK SHOWN HEREON.

LEGEND

Traffic Cone

Temporary Sign

Direction of Travel

Flashing Arrow Sign (FAS)

FAS Support or Trailer

Portable Flashing Beacon

Work Area

Work Vehicle

Signalized Intersection

Type III Barricade with sign

HLWD High Level Warning Device

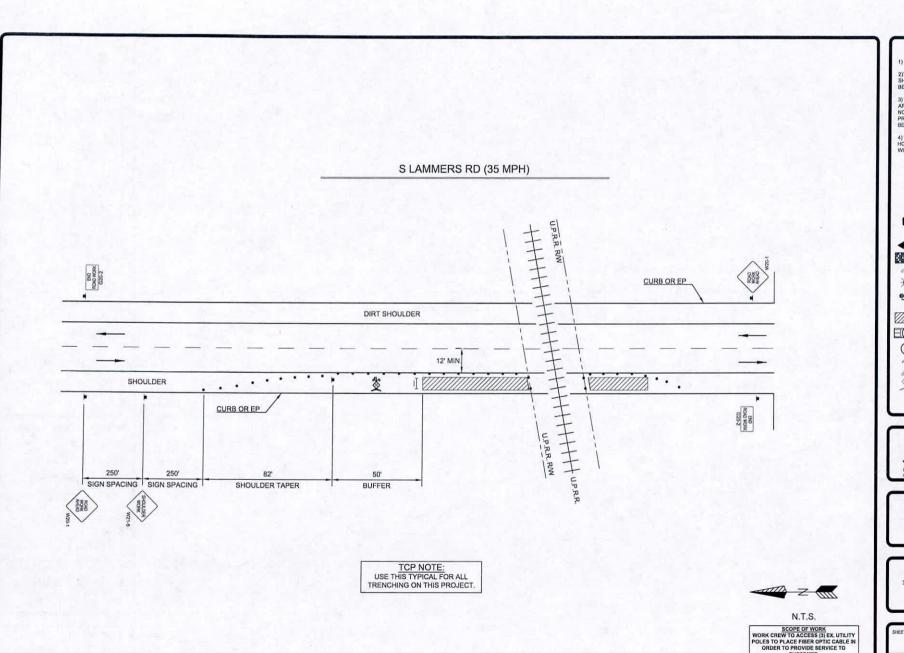




PROJECT NAME & ADDRESS

SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION: TCP SHEET 9 DATE: 02/11/2016 TC-04 SCALE: AS SHOWN



NOTES

1) CONE SPACING SHALL BE 25' MINIMUM.

2)TEMPORARY "NO PARKING" SIGNS SHALL BE INSTALLED AT 72 HOURS BEFORE ENFORCEMENT

3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY. NOTIFICATION TO BE AT LEAST 36 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

 WORK CREW TO COORDINATE WORK HOURS WITH SCHOOLS AFFECTED BY WORK SHOWN HEREON.

LEGEND

Traffic Cone

► Temporary Sign

Direction of Trave

Flashing Arrow Sign (FAS)

FAS Support or Trailer

Portable Flashing Beacon

Work Area

Work Area

Work Vehicle

S Signalized Intersection

Type III Barricade with sign

HLWD High Level Warning Device





PROJECT NAME & ADDRESS

SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION:
TCP SHEET 10

Date: 02/11/2016
Scale: AS SHOWN

TC-05

CUSTOMER.

S LAMMERS ROAD (35 MPH) 50' 250' 250' BUFFER SHOULDER TAPER SIGN SPACING SIGN SPACING CURB OR EP DIRT SHOULDER 12' MIN. DIRT SHOULDER CURB OR EP



NOTES 1) CONE SPACING SHALL BE 25' MINIMUM.

2)TEMPORARY "NO PARKING" SIGNS SHALL BE INSTALLED AT 72 HOURS BEFORE ENFORCEMENT

3) WORK CREW TO COORDINATE WITH APPROPRIATE TRANSIT AUTHORITY. NOTIFICATION TO BE AT LEAST 36 HOURS PRIOR TO CONSTRUCTION AND MUST BE ACKNOWLEDGED BY SAID AUTHORITY.

4) WORK CREW TO COORDINATE WORK HOURS WITH SCHOOLS AFFECTED BY WORK SHOWN HEREON.



Traffic Cone

Temporary Sign

Flashing Arrow Sign (FAS)

FAS Support or Trailer

Portable Flashing Beacon

Work Area

Work Vehicle

Signalized Intersection

Type III Barricade with sign

HLWD High Level Warning Device



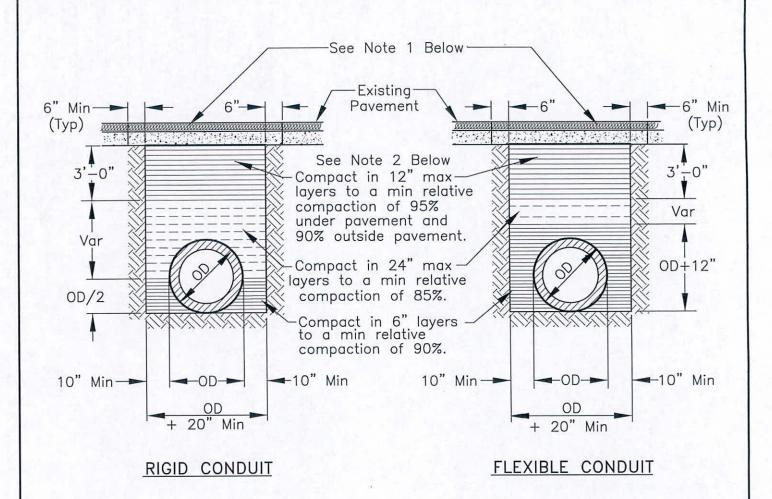


PROJECT NAME & ADDRESS SITE #: 2.3 J SITE NAME: PLEASANTON RING S LAMMERS ROAD TRACY, CA 95377

SHEET DESCRIPTION: TCP SHEET II TC-06 DATE: 02/11/2016 SCALE: AS SHOWN

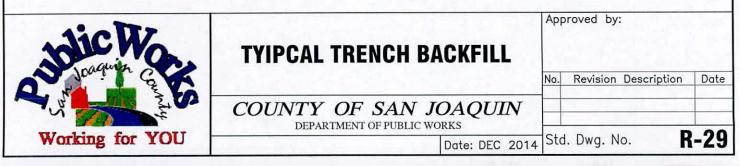
N.T.S.

SCOPE OF WORK
WORK CREW TO ACCESS (4) EX. UTILITY
POLES TO PLACE FIBER OPTIC CABLE IN
ORDER TO PROVIDE SERVICE TO
CUSTOMER.



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.



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,

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.

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.

The County of San Joaquin Public Works Department

.d. The local fire district

The County of San Joaquin Sheriff's Office

The local school district

The local postal service

The local residents involved

Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the B. Permittee and stationed in advance of work to warn and direct traffic.

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 of 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.

For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M

For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class .2.

Plastic pipe conforming to AASHTO Designation M294.

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.

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.

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; manhoies, 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.

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

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:

All excavations shall be backfilled and compacted immediately after work therein has been completed.

- 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
- 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.
- 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.

No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.

- 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
- 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.
- 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.
 - 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.

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.

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).

If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.

Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.

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. <u>SUPERVISION</u>: 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. <u>CLEAN PAVEMENT:</u> 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. <u>WEATHER-TIGHT CONDITIONS:</u> 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.