BACKBONE
PLEASANTON 2.3 K
BYRON/S LAMMERS RD
TRACY CA, 95377
UNDERGROUND FIBER ROUTE

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www.usanorth.org

ZAYO PROJECT TEAM

APPLICANT:
ZAYO GROUP
415 PENDLETON WAY,
OAKLAND, CA 94621
PHONE: 408-350-6330

PROJECT MANAGER:
DAVID OLSON
OFFICE: (408) 350-6330
david.olson@zayo.com

ENGINEER/ARCHITECT:
AERO COMMUNICATIONS, INC.
5711 RESEARCH DRIVE,
CANTON, MI 48188
CONTACT: BENJAMIN REEVE
OFFICE: (734) 467-8121 x2121
breeve@aerocommunications.com

CONSTRUCTION CONTRACTOR:
ITC SERVICE GROUP, INC.
7777 GREENBACK LN, SUITE 201
CITRUS HEIGHTS, CA 95610
CONTACT: ED JONES
OFFICE: (877) 370-4482
ejones@callitc.com

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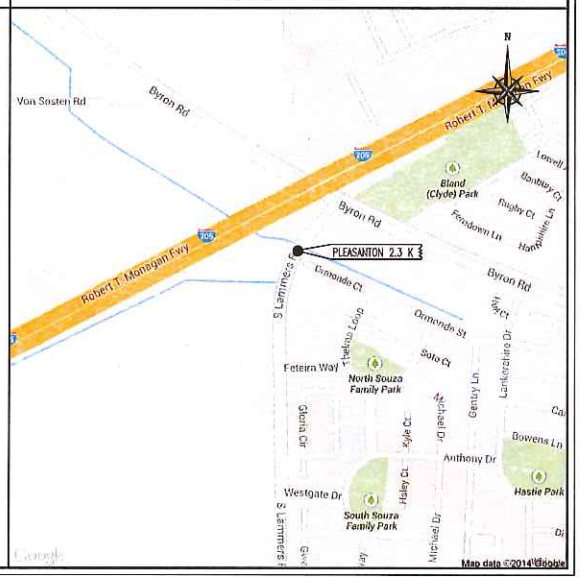
P2	ROUTE PLAN S LAMMERS RD

VICINITY MAP



zayo GROUP
415 Pendleton Way,
Oakland, CA 94621
www.zayo.com

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CURRENT ISSUE DATE:
04/30/14

ISSUED FOR:
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BY:	DATE:	DESCRIPTION:	REV:
ACI	04/30/14	PERMITTING	0

PLANS PREPARED BY:
ACI
Aero Communications Inc.
1-800-825-4ACI
5711 Research Drive
Canton, MI 48188

CONSTRUCTION CONTRACTOR:
ITC Service Group Inc.

SEAL OF APPROVAL:

PROPRIETARY INFORMATION:

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SHEET TITLE:
COVER SHEET
AND
PROJECT INFORMATION

SHEET NUMBER: C1
REVISION: 0
04/30/14

PROJECT KEY MAP

SCALE NTS | 1

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SHEET TITLE:
PROJECT KEY MAP

SHEET NUMBER: C2
REVISION: 0
04/30/14

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORDS OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

2. IMPORTANT NOTICE: SECTION 4215 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TOLL FREE 1-800-227-2600, TWO DAYS BEFORE YOU DIG.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A 1' MINIMUM VERTICAL CLEARANCE.

4. IF ANY EXISTING HARDSCAPE OR LANDSCAPE INDICATED ON THE APPROVE PLANS IS DAMAGED OR REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND PER THE APPROVED PLANS.

5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.

6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION.

7. MANHOLES OR COVERS SHALL BE LABELED EXTENT.

8. CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.

9. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

CALTRANS NOTES

1. ANY REMOVED OR DAMAGED STRIPING AND MARKINGS SHALL BE REPLACED IN KIND AS PER CALTRANS STANDARDS AND AT PERMITTEE'S EXPENSE.

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SPECIAL NOTES

1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL: ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND INDEMNITY AND HOLD EXTENDET, REPRESENTATIVES, AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.

2. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK, THE CONTRACTOR SHALL FULLY COMPLY WITH "CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.

3. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF G005,R28 AND THE STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.

4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES AS SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY OR AGENCY FACILITIES WITHIN THE LIMITS OF WORK, WHETHER THEY ARE SHOWN ON THIS PLAN OR NOT.

5. THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.

6. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.

7. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 30 INCHES TO THE FINISHED GRADE AT ALL TIMES.

8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEER.

9. ALL A.C AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEERS.

10. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.

11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS. CLEARLY DEMONSTRATING THAT EXTENDET, THE CITY, COUNTY OR STATE IS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE IN THE AMOUNT OF $1,000,000.00 FOR THIS CONSTRUCTION PROJECT.

12. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.

13. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.

14. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITES.

15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE, WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY TECHNICAL REPORT (WQTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).

2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.

3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES. THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.

4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.

6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RAIN-OFF PRODUCING RAINFALL.

9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.

11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.

14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.

15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF AN, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

AL	ALUMINUM	FLR	FLOOR	PRELIM	PRELIMINARY
ALY	ALLOY	FOC	FACE OF CURB	PWR	POWER
ANT	ANTENNA	FT	FOOT	QTY	QUANTITY
AGL	ABOVE GROUND LEVEL	FS	FARSIDE	R	RADIUS
		FSTNR	FASTENER	RAD	RADIATION
AMSL	ABOVE MEAN SEA LEVEL	GALV	GALVANIZED	RC	RAD CENTER
		GA	GAUGE	RCVR	RECEIVER
APVD	APPROVED	GEN	GENERATOR	RELOC	RELOCATED
APPROX	APPROXIMATE	GND	GROUND/GROUNDING	REQD	REQUIRED
AR, A/R	AS REQUIRED	ID	INSIDE DIAMETER	ROW	RIGHT OF WAY
BAT	BATTERY	MATL	MATERIAL	SH	SHEET
BC	BOLT CIRCLE	MAX	MAXIMUM	SPLY	SUPPLY
BLDG	BUILDING	MFR	MANUFACTURER	SS	STAINLESS STL
BRKT	BRACKET	MTD	MOUNTED	STD	STANDARD
CAB	CABINET	MTG	MOUNTING	STL	STEEL
CL	CENTERLINE	MTR	METER	STRL	STRUCTURAL
CONC	CONCRETE	MAX	MAXIMUM	SQ	SQUARE
CND	CONDUIT	MIN	MINIMUM	SW	SWITCH
DN	DOWN	(N)	NEW	THD	THREAD
(E)	EXISTING	NS	NEARSIDE	THK	THICK
EA	EACH	NTS	NOT TO SCALE	TNND	TINNED
EL	ELEVATION	OC	ON CENTER	TYP	TYPICAL
EMBED	EMBEDMENT	OD	OUTSIDE DIAMETER	UBC	UNIFORM BUILDING CODE
EMER	EMERGENCY	(P)	PROPOSED		
ENCL	ENCLOSURE	PLYWD	PLYWOOD	W/	WITH
EP,EOP	EDGE OF PAVEMENT	PL	PLACES	W/O	WITHOUT
EQPT	EQUIPMENT	PNL	PANEL	XMFR	TRANSFORMER
EQ SP	EQUAL SPACE	P/O	PART OF	XMTR	TRANSMITTER
HGT	HEIGHT	POSN	POSITION		
(F)	FUTURE				

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING CODE CBC-2010
2. CALIFORNIA ADMINISTRATIVE CODE. (INCL. TITLES 24 & 25) 2010.
3. ANSI/ EIA-222-F LIFE SAFETY CODE NFPA.
4. BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA)
5. CALIFORNIA ELECTRICAL CODE CEC-2010.
6. CALIFORNIA MECHANICAL CODE CMC-2010.
7. CALIFORNIA PLUMBING CODE CPC 2010.
8. LOCAL BUILDING CODE(S).
9. CITY AND/OR COUNTY ORDINANCES.
10. MUST COMPLY TO LATEST CALIFORNIA FIRE CODE. (AND LATEST MUNICIPAL FIRE CODE).
11. CALIFORNIA GENERAL ORDER 95 AND 128.

GENERAL NOTES

SCALE NTS 3

ROW GROUND CONSTRUCTION NOTES:

1. 120/240 POWER REQUIRED FOR 3-WIRE SERVICE.
2. GC TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, G095 AND G012B STANDARDS AND REGULATIONS.
4. CALL USA 48 HOURS PRIOR TO EXCAVATING AT (800) 227-2600.
5. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
6. ALL EQUIPMENT TO BE BONDED.
7. METERING CABINET REQUIRES 3' CLEARANCE AT DOOR OPENING.
8. CAULK CABINET BASE AT PAD.

STANDARD GROUNDING NOTES:

1. GROUND TESTED AT 5 OHMS OR LESS.
2. 5/8"x8' ROD, CAD WELD BELOW GRADE
3. #6 GROUND AND BOND WIRE.
4. WOOD MOLDING, STAPLED EVERY 3' AND AT EACH END
5. GROUNDS 3' FROM POLE.
6. PLACE 3 #10GA WIRES FROM BREAKER TO METER BOX.

STANDARD CONDUIT NOTES:

1. FOR UNDERGROUND USE SCHEDULE 40.
2. FOR RISERS USE SCHEDULE 80.
3. PLACE 2" GALVANIZED STEEL CONDUIT FOR ANY CONDUIT UNDER 3", STUB UP 10' THEN CONVERT TO SCHEDULE 80.
4. CONVERT 4" CARRIER CONDUIT TO 3" AT BASE OF POLE.
5. GC TO STUB UP POLE 10' w/3" POWER CONDUIT, POWER CO. TO CONVERT FROM 3" SCH. 80 TO 2" SCH. 80 FROM TOP OF STUB UP.
6. ALL CONDUIT WILL BE MAN DRILLED AND EQUIPPED WITH 3/8" PULL ROPE.

STANDARD TRENCHING NOTES:

1. MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
2. MAINTAIN 30" MINIMUM COVER FOR COMUNICATIONS CONDUIT.
3. SAND SHADING MINIMUM 1" UNDER CONDUITS, AND 6" COVERING ON TOP REQUIRED.
4. ALL ELECTRICAL SERVICE CONDUITS FROM POWER COMPANY, WHETHER FROM POLES, TRANSFORMERS, OR OTHER LOCATIONS; WILL BE SLURRY BACKFILLED.
5. IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
6. IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.
7. PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

ROW UTILITY POLE CONSTRUCTION NOTES:

1. NO BOLT THREADS TO PROTRUDE MORE THAN 1-1/2".
2. FILL ALL HOLES LEFT IN POLE FROM REARRANGEMENT OF CLAMPERS.
3. ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF POLE FACE (12:00).
5. 90° SHORT SWEEPS UNDER ANTENNA ARM. ALL CABLES MUST ONLY TRANSITION ON THE INSIDE OR BOTTOM OF ARMS (NO CABLE ON TOP OF ARMS).
6. USE CABLE CLAMPS TO SECURE CABLE TO ARMS; PLACE 2" CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.
7. USE 90° CONNECTOR AT CABLE CONNECTION TO ANTENNAS.
8. PLACE GPS ON ARM WITH SOUTHERN SKY EXPOSURE AT MINIMUM 6" FROM TRANSMIT ANTENNA, WHICH IS 24" AWAY FROM CENTER OF POLE.
9. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
10. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

ROW CONSTRUCTION GENERAL NOTES

SCALE NTS 2

LEGEND & SYMBOLS

SCALE NTS 1

(E) AERIAL ELECTRIC
(E) AERIAL COMM.
(E) UG CABLE TV
(E) UG ELECTRIC
(E) UG FIBER OPTIC
(E) UG GAS
(E) UG PETROLEUM
(E) UG SANITARY
(E) UG STORM
(E) UG TELEPHONE
(E) UG WATER
(E) BUILDING
(E) CULVERT
(E) DIRT ROAD
(E) DRIVEWAY
(E) FENCE-BLOCK
(E) FENCE-CATTLE
(E) FENCE-LINK
(E) GUARDRAIL
(E) LANE STRIPE
(E) LIP OF GUTTER
(E) PROPERTY LINE/ROW
(E) PROPERTY LINE/PRVT
(E) RAILROAD
(E) ROAD EDGE/CURB
(E) SIDEWALK
(E) WATER BODY
(E) WASH/WETLAND
(P) AERIAL NEW BUILD
(P) AERIAL OVERLASH
(P) DIRECTIONAL BORE
(P) OPEN TRENCH
(P) PLOW
(P) STATIONING
(P) VAULT
BUSH
DECIDUOUS TREE
CONIFEROUS TREE
ELECTRIC SIGN
BIKE RACK
TRASHCAN
POST/MARKER
MAILBOX
UNKNOWN MANHOLE
UNKNOWN VAULT
FIBER VAULT
FIBER PED
TELEPHONE MANHOLE
TELEPHONE VAULT
TELEPHONE LARGE PED
TELEPHONE SMALL PED
CATV HAND HOLE
CATV VAULT
CATV LARGE PED
CABLE SMALL PED
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
STORM CATCH BASIN
WATER BLOW OFF
WATER VALVE
WATER CURB BOX
WATER GATE AND VALVE
FIRE HYDRANT
WATER VAULT
BACKFLOW VALVE
AIR RELIEF VALVE
WATER WELL MONITOR
PLUG & CAP
PRESSURE REDUCING VALVE
NON-POTABLE VALVE
NON-POTABLE MANHOLE
CATHOIDIC PROT. TEST
JUNCTION BOX
PULL BOX
SUBSURFACE XFR
PADMOUNTED 3PH XFR
PAD MOUNTED SWITCHING
PAD MOUNTED JUNCTION
PAD MOUNTED SECTIONALIZER
PAD MOUNTED CAPACITOR
PAD MOUNTED BREAK SWITCH
PAD MOUNTED FUSE DISCONNECT
RECTANGLE POWER MANHOLE
LARGE POWER PED
POWER MANHOLE
ELECTRIC CABINET
CROSS WALK POLE
LIGHT POLE SMALL
LIGHT POLE LARGE
POWER POLE
TRANSFORMER POLE
JOINT POLE
JOINT POLE WITH TRANSFORMER
TELEPHONE POLE
CATV POLE
STEEL POLE
CONCRETE POLE
MIDSPAN CROSSING
TRAFFIC SIGNAL
RISER POLE
POWER METER
TRAFFIC SIGNAL POLE
GAS VALVE
GAS MANHOLE
NORTH ARROW

zayo GROUP
415 Pendleton Way,
Oakland, CA 94621
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SHEET TITLE:

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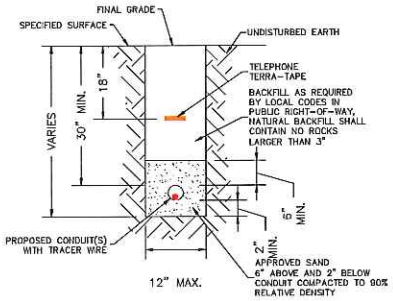
ABBREVIATIONS
& SYMBOLS

SHEET NUMBER: L1

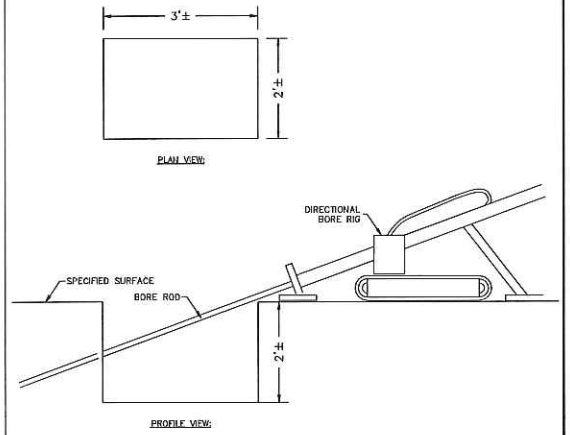
REVISION: 0 04/30/14

In San Joaquin County we will use County trench detail
R-29

NOT USED — SCALE NTS — 6

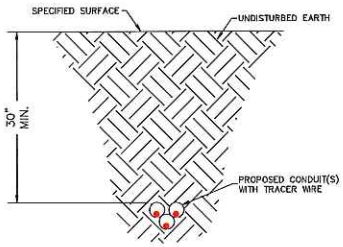


TRENCH DETAIL — SCALE NTS — 4



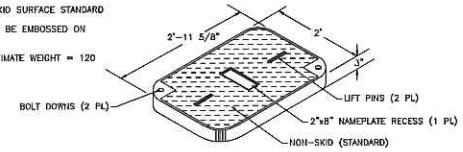
DIRECTIONAL BORE PIT DETAIL — SCALE NTS — 2

NOT USED — SCALE NTS — 5

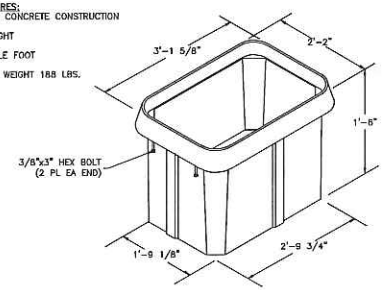


DIRECTIONAL BORE DETAIL — SCALE NTS — 3

COVER FEATURES:
- STANDARD LOAD RATING: 20,800 LBS. WHEEL LOAD ON 10"x20" PLATE
- 2 BOLT DOWN LOCATIONS
- STAINLESS STEEL BOX INSERTS
- POLYMER CONCRETE CONSTRUCTION
- NON-SKID SURFACE STANDARD
- 20K TO BE EMBOSSED ON COVER
- APPROXIMATE WEIGHT = 120 LBS.



VAULT FEATURES:
- POLYMER CONCRETE CONSTRUCTION
- LIGHTWEIGHT
- STACKABLE FOOT
- APPROX. WEIGHT 188 LBS.



VAULT DETAIL — SCALE NTS — 1

zayo GROUP
415 Pendleton Way,
Oakland, CA 94621
www.zayo.com

PROJECT INFORMATION:
BACKBONE ROUTE
PLEASANTON 2.3_K
BYRON/S LAMMERS RD
TRACY CA, 95377
UNDERGROUND FIBER ROUTE

CURRENT ISSUE DATE: 04/30/14

ISSUED FOR: PERMITTING

BY:	DATE:	DESCRIPTION:	REV:
ACI	04/30/14	PERMITTING	0
BY	DATE	DESCRIPTION	REV

PLANS PREPARED BY:
ACI
Aero Communications Inc.
1-800-825-4ACI
5711 Research Drive
Canton, MI 48188

CONSTRUCTION CONTRACTOR:
ITC Service Group Inc.

SEAL OF APPROVAL:

PROPRIETARY INFORMATION:
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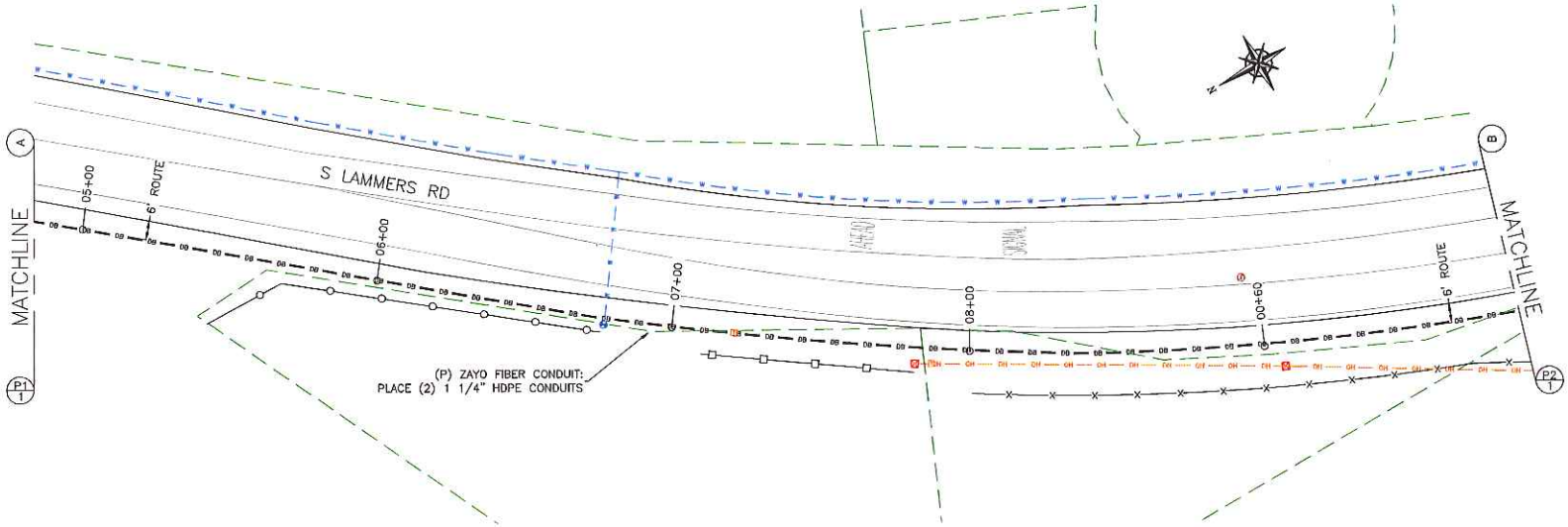
SHEET TITLE:
TYPICAL CONSTRUCTION DETAILS

SHEET NUMBER: D1
REVISION: 0
04/30/14

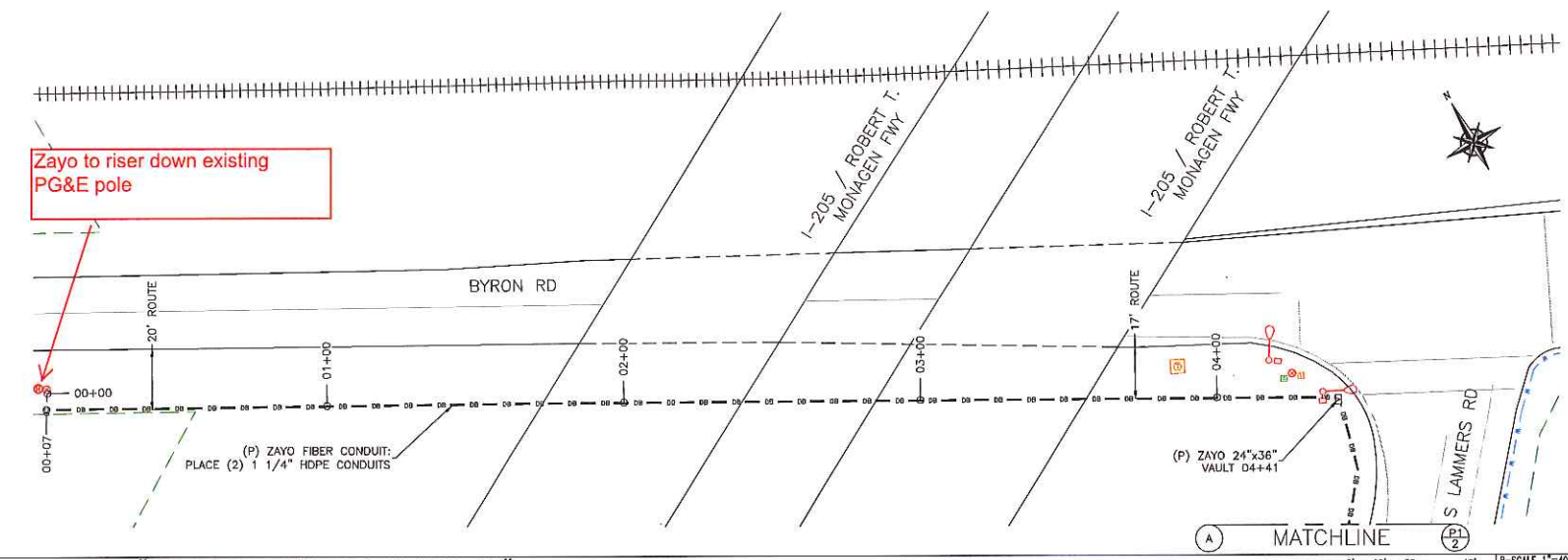


ROUTE PLAN "S LAMMERS RD SOUTH OF BYRON RD"

0' 10' 20 40'

B-SCALE 1"=40'-0"
D-SCALE 1"=20'-0"

2



ROUTE PLAN "BYRON RD AND S LAMMERS RD"

0' 10' 20 40'

B-SCALE 1"=40'-0"
D-SCALE 1"=20'-0"

1

zayo GROUP

415 Pendleton Way,
Oakland, CA 94621
www.zayo.com

PROJECT INFORMATION:

BACKBONE ROUTE
PLEASANTON 2.3_K
BYRON/S LAMMERS RD
TRACY CA, 95377
UNDERGROUND FIBER ROUTE

CURRENT ISSUE DATE:

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SHEET TITLE:

BYRON RD
AND
S LAMMERS RD

SHEET NUMBER: P1

REVISION: 0

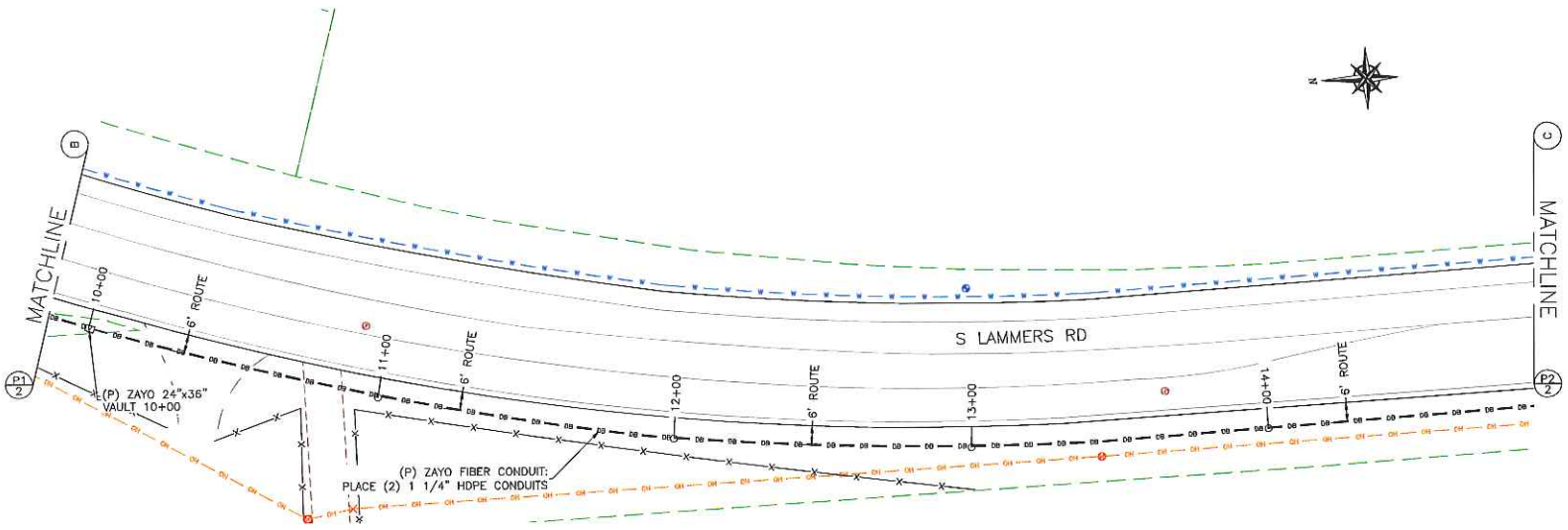
04/30/14

ROUTE PLAN "S LAMMERS RD AND FETEIRA WAY"

0' 10' 20 40'

B-SCALE 1"=40'-0"
D-SCALE 1"=20'-0"

2



ROUTE PLAN "S LAMMERS RD"

0' 10' 20 40'

B-SCALE 1"=40'-0"
D-SCALE 1"=20'-0"

1

zayo GROUP

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Oakland, CA 94621
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PROJECT INFORMATION:

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BYRON/S LAMMERS RD
TRACY CA, 95377
UNDERGROUND FIBER ROUTE

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SHEET TITLE:

S LAMMERS RD

SHEET NUMBER: P2

REVISION: 0

04/30/14