SAN JOAQUIN COUNTY PERMIT LENGTH: 28,720'
TOTAL PROJECT LENGTH: 36,779'

TRENCH	--	LF
PLOW	10,714'	LF
ROCKSAW	--	LF
BORE	18,006'	LF
CASED BORE	--	LF
DIRECT BURY	--	LF
CUT & TRENCH	--	LF
BRIDGE ATTACHMENT	--	LF
CONDUIT IN (E) STRUCTURE	--	LF
BORE PITS	55	
24x36x30 HANDHOLES	13	
MARKER POST	--	

NOTE:

PROJECT MUST BE COMPLETED PRIOR TO THE START OF THE COUNTY'S RESURFACING JOB OF ESCALON-BELLOTA ROAD NEXT SPRING (2016).

CVIN, LLC
SAN JOAQUIN COUNTY PERMIT PLANS
INSTALLATION OF FIBER OPTIC FACILITIES
FROM THE CITY OF ESCALON
NEAR INTERSECTION OF 1st ST. & McHENRY AVE, ESCALON, CA.
TO VALLEY HOME SCHOOL
13231 PIONEER AVENUE, VALLEY HOME, CA. 95361

INDEX:

SHEET 1	TITLE SHEET
SHEET 2	HANDHOLE AND CONDUIT DETAILS
SHEET 3	TYPICAL DETAILS
SHEET 4	TYPICAL TRAFFIC CONTROL PLANS
SHEET 5-23	PERMIT PLANS

CONTRACTOR NOTICE:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INSPECTION AND A SEARCH OF THE AVAILABLE CITY OR COUNTY RECORDS. SINCE THE ACTUAL LOCATION AND NATURE OF THE UNDERGROUND FACILITIES MAY BE SOMEWHAT DIFFERENT FROM THAT SHOWN, THE CONTRACTOR IS REQUIRED TO VERIFY THE INFORMATION THROUGH UNDERGROUND SERVICE ALERT (USA) OR BY CONTACTING THE UTILITY COMPANIES DIRECTLY, PRIOR TO EXCAVATION.

GENERAL NOTES:

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE PERMIT AGENCY'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THAT AGENCY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT:

1. THE LOCATIONS OF EXISTING UTILITIES, RIGHTS-OF-WAY AND EASEMENTS SHOWN ON THESE PLANS ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE IN NATURE. WHERE CONFLICTS EXIST WITHIN THE RECORDS OR BETWEEN THE RECORDS AND FIELD OBSERVATIONS, THE ENGINEER OF WORK ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS OF THAT INFORMATION AS DEPICTED.
2. PRIOR TO COMMENCING IMPROVEMENT OPERATIONS, THE CONTRACTOR SHALL VERIFY THE LOCATION, BOTH HORIZONTALLY AND VERTICALLY, OF ALL EXISTING FACILITIES AFFECTED BY THE PROPOSED WORK, WHETHER OR NOT THOSE FACILITIES ARE DEPICTED CORRECTLY ON THESE PLANS.
3. IF EXISTING FACILITIES VARY SIGNIFICANTLY IN LOCATION OR DEPTH FROM THESE PLANS, THE ENGINEER OF WORK SHOULD BE NOTIFIED TO MAKE ANY DESIGN CHANGES REQUIRED.
4. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
5. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER OF WORK HARMLESS.
6. THE BORE LOCATIONS INDICATED ON THE STAKING SHEETS ARE THE ENGINEER'S BEST ESTIMATE OF LOCATION AND LENGTH AS REQUIRED TO MEET JURISDICTIONAL REQUIREMENTS AND/OR TO AVOID SURFACE OR OTHER DAMAGE THAT MAY BE ASSOCIATED WITH TRADITIONAL TRENCHING OR PLOWING METHODS. INSPECTOR & CONTRACTOR SHALL REVIEW ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION AND VERIFY THAT THE INDICATED BORE UNITS ARE ACCURATELY IDENTIFIED, APPROPRIATELY LOCATED AND ACTUALLY REQUIRED (NOTIFY ENGINEER AND /OR OWNER OF ANY DISCREPANCIES). IF A BORE UNIT CAN BE ELIMINATED, WITH THE APPROVAL OF THE PERMITTING AUTHORITY AND WITH AN ASSOCIATED NET COST SAVINGS, THEN THE BORE UNIT SHALL BE ELIMINATED. ALSO, NOTIFY ENGINEER AND /OR OWNER OF ADDITIONAL BORES THAT ARE REQUIRED, BUT ARE NOT INDICATED ON THE STAKING SHEETS.
7. THE HANDHOLE/VAULT LOCATIONS INDICATED ON THE STAKING SHEETS ARE THE ENGINEER'S BEST ESTIMATE OF LOCATION FOR PLACING THE UNIT AS REQUIRED TO MEET CVIN, JURISDICTIONAL AND/OR SAFETY REQUIREMENTS AND TO PROVIDE AN APPROPRIATE LOCATION THAT WILL ALLOW FOR PARKING, EASE OF ACCESS AND ADEQUATE SPACE TO PERFORM INSTALLATION AND MAINTENANCE WORK. IN HIGHWAY LOCATIONS WHERE THE CONDUIT RUNNING LINE IS INDICATED TO BE IN THE ROAD SHOULDER NEAR THE EDGE OF ASPHALT, THE HANDHOLES SHALL BE PLACED AT LEAST 20 FEET AWAY FROM THE FOG LINE (BEYOND THE CLEAR RECOVERY ZONE), IN A SAFE LOCATION AWAY FROM ANY BIOLOGICAL OR CULTURAL AVOIDANCE AREAS. CONDUIT SHALL ENTER AND EXIT THE HANDHOLE USING SEPARATE TRENCHES AT 45-DEGREES TO THE ROADWAY TO MAINTAIN ROUTE DIVERSITY. INSPECTOR & CONTRACTOR SHALL REVIEW ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION AND VERIFY THAT ALL INDICATED UHF UNITS ARE APPROPRIATELY LOCATED. FINAL POSITION OF UHF MAY BE RELOCATED IF A MORE APPROPRIATE POSITION CAN BE IDENTIFIED NEARBY. (NOTIFY ENGINEER AND/OR OWNER OF ANY DISCREPANCIES & ADJUSTMENTS). ALSO, NOTIFY ENGINEER AND/OR OWNER OF ADDITIONAL HANDHOLES THAT MAY BE REQUIRED, BUT ARE NOT INDICATED ON THE STAKING SHEETS.
8. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT PLANS, WITH GPS COORDINATES IN NAD-83 FORMAT, WITH SUB-METER ACCURACY (N000.00000000, W000.00000000) FOR ALL CONDUIT SPLICE POINTS, HANDHOLES AND ROAD CROSSING LOCATIONS, PER CVIN SPECIFICATIONS.
9. CONTRACTOR SHALL SUPPLY AND INSTALL (1) 18AWG SOLID COPPER TRACER WIRE (RED INSULATION) WITH 1.25" CONDUIT (IF NOT INCLUDED WITH FUTURE PATH CONDUIT). SPLICE AS REQUIRED WITH GEL-FILLED WIRE NUTS TO ASSURE CONTINUITY.

VICINITY MAP

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

APPROVED AS "ENCROACHMENT PERMIT PLAN SET"
APPROVED FOR WORK WITHIN COUNTY RIGHT-OF-WAY ONLY

APPROVED: Alex Chetley DATE: 8/3/15

RCE NO.: C55407 EXP. DATE: 12/31/16

ENCROACHMENT PERMIT NO.: PS-1501620 DATE ISSUED: 8/3/15 BY: Scott Cooper

SAN JOAQUIN COUNTY GENERAL NOTES:

1. 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)
2. CONTRACTOR SHALL COORDINATE WORK TIMES WITH ESCALON HIGH SCHOOL AS TO NOT INTERFERE WITH PICK-UP AND DROP-OFF TIMES.
3. CONTRACTOR SHALL RESTORE SHOULDER AREAS IN FRONT OF MAIL BOXES WITH CLASS II AGGREGATE BASE COMPACTED TO 95%.

CVIN GENERAL CONSTRUCTION NOTES:

1. ALL CVIN SUPPLIED MATERIAL TO BE PICKED UP BY CONTRACTOR AT CVIN STORAGE YARD AT FRIANT, CA. (NO FORKLIFT IN YARD).
2. MATERIAL TO BE INSPECTED BY CONTRACTOR AND CVIN REPRESENTATIVE TO ENSURE QUALITY OF MATERIALS.
3. CONTRACTOR TO WALK PROJECT AND CONFIRM TRENCH LOCATIONS, BORE LOCATIONS AND HANDHOLE/MANHOLE LOCATIONS PRIOR TO THE START OF CONSTRUCTION. CONFIRM ANY PROPOSED CHANGES IN WRITING WITH CVIN REPRESENTATIVE.
4. CONTRACTOR TO INSTALL PER CVIN SPECIFICATIONS AND DETAILS ATTACHED.
5. CVIN REPRESENTATIVE TO BE PRESENT TO INSPECT WORK PERFORMED FOR CVIN AT CALTRANS AND RAILROAD CROSSINGS.
6. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO CLEAN AND PROOF ALL DUCTS TO ENSURE PROPER INSTALLATION.
7. CONTRACTOR TO PLUG ALL CONDUITS PLACED USING SUPPLIED CONDUIT PLUGS.
8. CONTRACTOR SHALL SUPPLY AND INSTALL (1) 16AWG SOLID COPPER TRACER WIRE (RED INSULATION) WITH 1.25" CONDUIT (IF NOT INCLUDED WITH FUTURE PATH CONDUIT). SPLICE AS REQUIRED WITH GEL-FILLED WIRE NUTS TO ASSURE CONTINUITY.
9. CONTRACTOR SHALL SUPPLY AND INSTALL MULE TAPE IN 1.25"ø HDPE DUCT CONTINUOUS FROM FROM BEGINNING TO END. PROVIDE 30' SLACK AT BEGINNING AND END HANDHOLES.
10. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT PLANS TO IDENTIFY RUNNING LINE LOCATION. PROVIDE GPS COORDINATES IN NAD-83 FORMAT, WITH SUB-METER ACCURACY (N000.00000000, W000.00000000) FOR ALL CONDUIT SPLICE POINTS, HANDHOLES, CHANGES IN DIRECTION AND ROAD CROSSING LOCATIONS, PER CVIN SPECIFICATIONS.
11. CONTRACTOR SHALL PROVIDE CERTIFICATION LETTER STATING THAT ALL CONDUITS AND HANDHOLES HAVE BEEN INSTALLED, CLEANED AND TESTED PER CVIN SPECIFICATIONS.
12. CONTRACTOR SHALL PROVIDE CERTIFICATION LETTER STATING THAT TRACER WIRE HAS BEEN INSTALLED PER CVIN SPECIFICATIONS AND TESTED TO CONFIRM CONTINUITY FROM BEGINNING TO END.

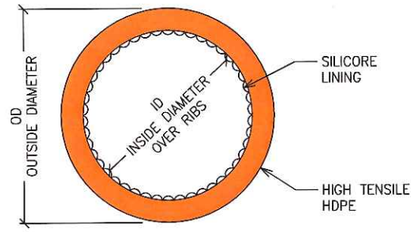
SAN JOAQUIN COUNTY PERMIT PLANS

DIGALERT IT'S THE LAW!
CALL TOLL FREE (811)
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT

CVIN CENTRAL VALLEY INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105,
Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	--	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	1 OF 23

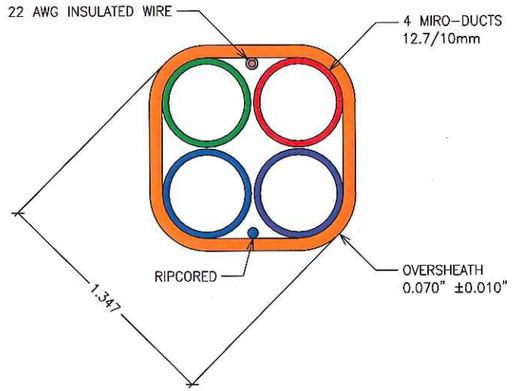
P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_ARTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:10 AM - PLOTTED BY: RICHARD KYLE ANDERSON



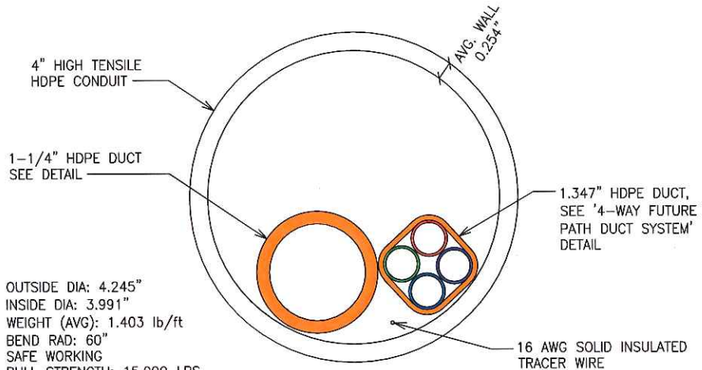
OUTSIDE DIAMETER:	1.660±0.005in
MINIMUM WALL:	0.151in
MAXIMUM WALL:	0.171in
INSIDE DIAMETER:	1.283in (min.)
SAFE WORKING PULL STRENGTH:	1,989lbs
WEIGHT:	0.319lb/ft (avg.)
BEND RADIUS:	17in
OVALITY:	<5%
BRITTLENESS TEMP.:	−75°C

* WALLS ARE ASTM SPECIFICATIONS. OTHER DATA MODIFIED TO INCLUDE RIBS.

1.25"ø HDPE DUCT
NTS

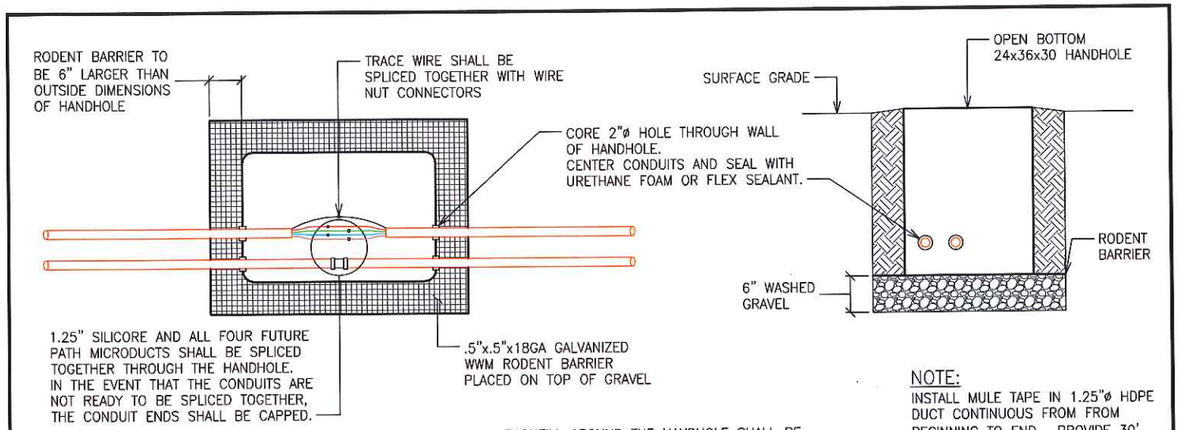


4-WAY FUTURE PATH DUCT
SYSTEM DETAIL
NTS



OUTSIDE DIA: 4.245"
INSIDE DIA: 3.991"
WEIGHT (AVG): 1.403 lb/ft
BEND RAD: 60"
SAFE WORKING
PULL STRENGTH: 15,000 LBS

ENCASEMENT DETAIL
NTS



NOTE:
INSTALL MULE TAPE IN 1.25"ø HDPE DUCT CONTINUOUS FROM FROM BEGINNING TO END. PROVIDE 30' SLACK AT BEGINNING AND END HANDHOLES.

WARNING MARKER DETAIL
SPACING:
RURAL: MARKERS AT 1/2 MILE INTERVALS OVER DUCTS
URBAN: MARKERS AT 1/4 MILE INTERVALS (WHERE APPROPRIATE)

HANDHOLE INSTALLATION DETAIL
NTS

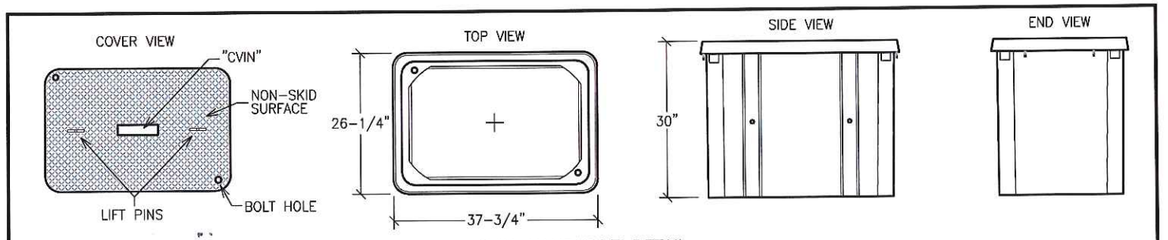
Materials:

1.1 Perma-Guard conduit shall be made from high-density polyethylene (HDPE). The HDPE shall meet or exceed the properties listed in ASTM D-3350 for minimum cell classification of 335480 C (minimum 2% carbon black) or E (color with UV stabilizer). Properties are listed below in Table 1.1

TABLE 1-1
Material Requirements

Cell	Properties	Requirements	Test Method
3	Density	>0.940-0.947	ASTM D 792 or 1505
3	Melt Flow Index (190/2.160)	<0.4-0.15g/10 minutes max	ASTM D 1238
5	Flexural Modulus	110,000 to 160,000 psi	ASTM D 790
4	Tensile Strength at Yield	3000-<3500 psi	ASTM D 638
8	Environmental Stress Crack Resistance	Condition B, F Max, 10% Igepal, 96hrs, minimum	ASTM D 1693
0	Hydrostatic Design Basis	Not Pressure Rated	ASTM D 2837
--	Brittleness Temperature	-75° C	ASTM D 746
--	Elongation	400% minimum	ASTM D 638
C	Class C	Minimum 2% Carbon Black	ASTM D 3350
E	Class E	Colored with UV Stablizer	ASTM D 3350

CONDUIT DATA



CVIN HANDHOLE DETAIL
CHANNELL SGLB (OR EQUAL) - POLYMER CONCRETE RING AND COVER (20K RATED)

SAN JOAQUIN COUNTY PERMIT PLANS

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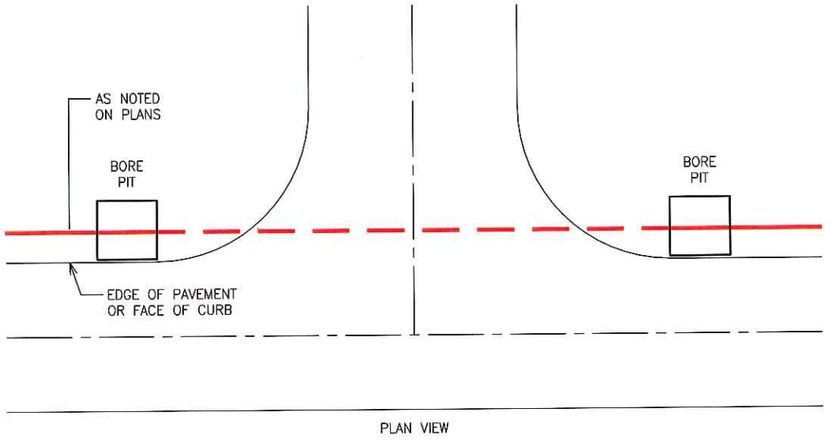
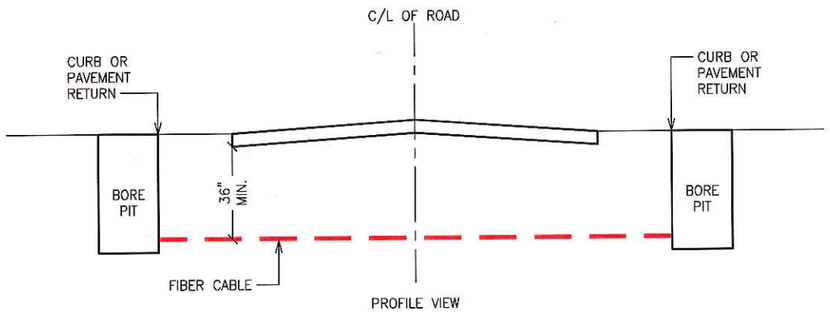
CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105,
Fresno, Ca. 93730

DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	--		2 OF 23

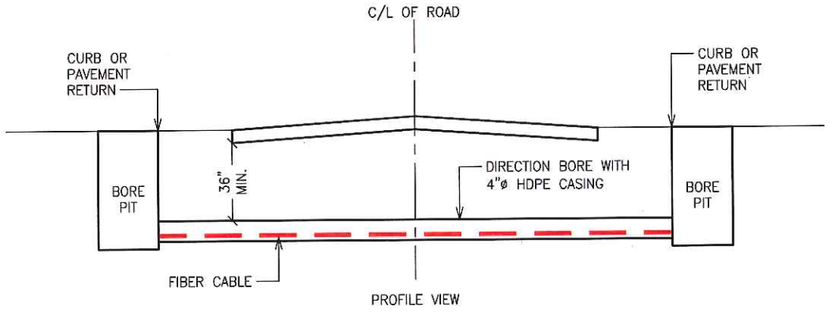
P:\CVIN CONSTRUCTION OFF GRANT VALLEY HOME TO ESCALON\DRAWINGS\CVIN VHTOESCALON SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:10 AM - PLOTTED BY: RICHARD KYLE ANDERSON



PLAN VIEW

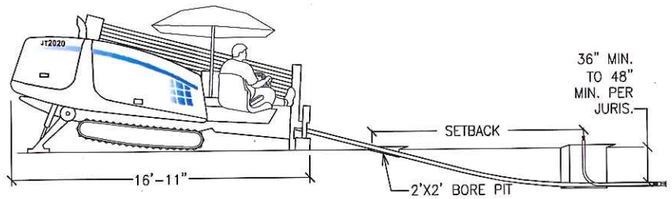


PROFILE VIEW

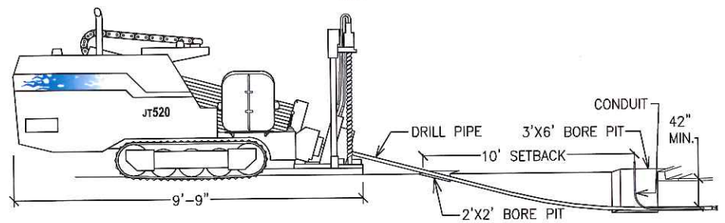


PROFILE VIEW

TYPICAL BORE DETAIL AT STREET INTERSECTION
NOT TO SCALE



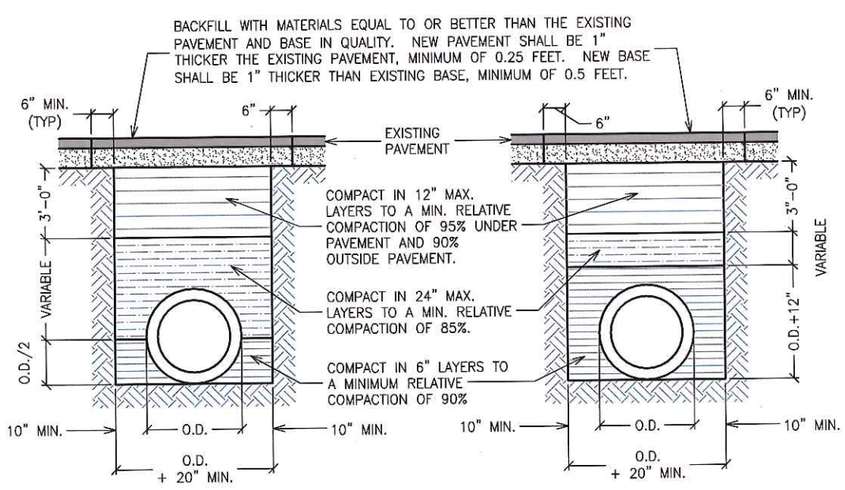
LONGITUDINAL HDD METHOD
NTS



TRANSVERSE HDD METHOD
NTS

BORE PITS / RECEIVING PITS

1. ALL BORE/RECEIVING PITS SHALL BE STEEL PLATED WHEN NOT IN USE.
2. ALL BORE/RECEIVING PITS THAT ARE WITHIN THE CLEAR RECOVERY ZONE NEED TO BE PROTECTED BY K-RAIL AND CRASH CUSHIONS.
3. BORE/RECEIVING PITS SHALL ONLY BE OPEN FOR 2-3 HOURS MAXIMUM AND FILLED IN COMPLETELY BEFORE THE END OF EACH WORK DAY.
4. BORE PITS ARE AREA STANDARD 1-FT WIDE BY 4-FT LONG AND 4-FT DEEP.
5. RECEIVING PITS ARE A STANDARD 3-FT WIDE BY 3-FT LONG AND 4-FT DEEP.
6. ALL BORE/RECEIVING PITS SHALL BE SURROUNDED BY CONTINUOUS STRAW WATTLES AS REQUIRED PER SWPPP.



RIGID CONDUIT

FLEXIBLE CONDUIT

NOTES:

1. RELATIVE COMPACTION OF MATERIALS SHALL BE TESTED IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPT. OF TRANSPORTATION TESTING MANUALS, TEST METHOD NO. CALIFORNIA 216 OR 231.
2. ALL EXISTING PAVEMENT SHALL BE NEATLY CUT TO LINE PRIOR TO TRENCH EXCAVATION.
3. WHEN SHOWN BY SOIL COMPOSITION AND COMPACTABILITY, NINETY PERCENT (90%) COMPACTION MAY BE USED, WHEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
4. SPECIAL BEDDING REQUIREMENTS MAY BE SHOWN ON THE PLANS OR SPECIFIED IN SPECIAL PROVISIONS.
5. SHOULDERS SHALL BE AS SHOWN ON THE PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS BUT IN NO CASE SHALL THE SHOULDER BE LESS THEN THREE FEET WIDE AS MEASURED FROM THE EDGE OF PAVEMENT.

BACKFILL REQUIREMENTS FOR POTHOLES AND BORE PITS AS NEEDED

SAN JOAQUIN COUNTY PERMIT PLANS

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CVIN CENTRAL VALLEY INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105, Fresno, Ca. 93730

DATE: 7/23/15
SCALE: --
INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.
GRID: 3 OF 23

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:10 AM - PLOTTED BY: RICHARD KYLE ANDERSON

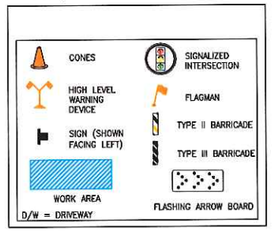
SUGGESTED ADVANCE WARNING SIGN PLACEMENT

ROAD TYPE	DISTANCE BETWEEN SIGNS**		
	A	B	C
URBAN (LOW SPEED) 25 MPH OR LESS	100	100	100
URBAN (HIGH SPEED) 25 MPH TO 40 MPH	250	250	250
URBAN (HIGH SPEED) 40 MPH OR MORE	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1,000	1,500	2,640

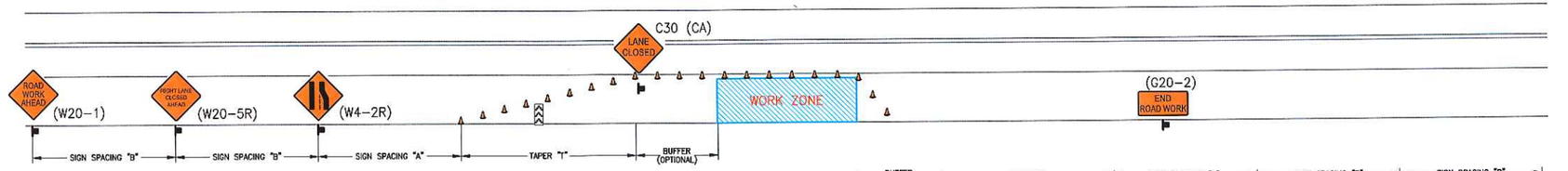
SPEED (MPH)	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET 12 FT (W)				BUFFER SPACE (FT)
	MERGING (FT)	SHIFTING (FT)	SHOULDER (FT)	DOWN STREAM (FT)	
20	80	40	27	100	115
25	125	63	42	100	155
30	180	90	60	100	200
35	245	123	82	100	250
40	320	160	107	100	305
45	540	270	180	100	360
50	600	300	200	100	425
55	660	330	220	100	495
60	720	360	240	100	570
65	780	390	260	100	645
70	840	420	280	100	820

* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY.

** 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 BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE THIRD SIGN IS THE FIRST ONE IN A THREE-SIGN SERIES ENCOUNTERED BY A DRIVER APPROACHING A TTC ZONE).



PHASE 1



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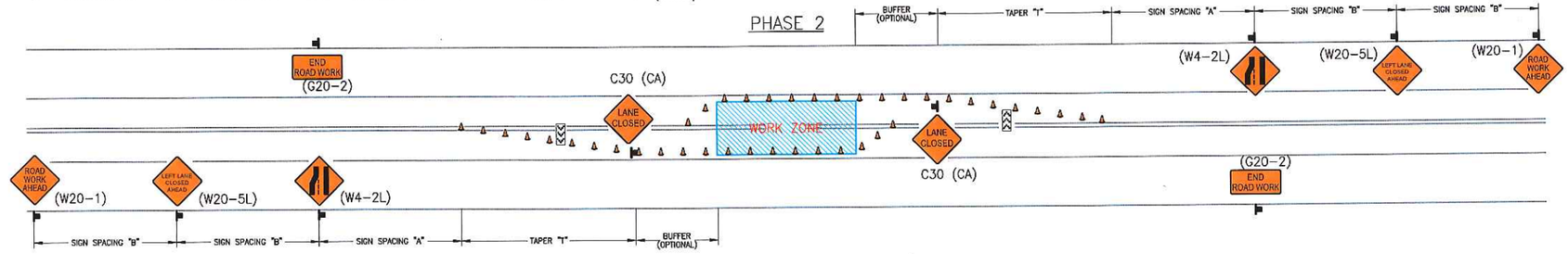

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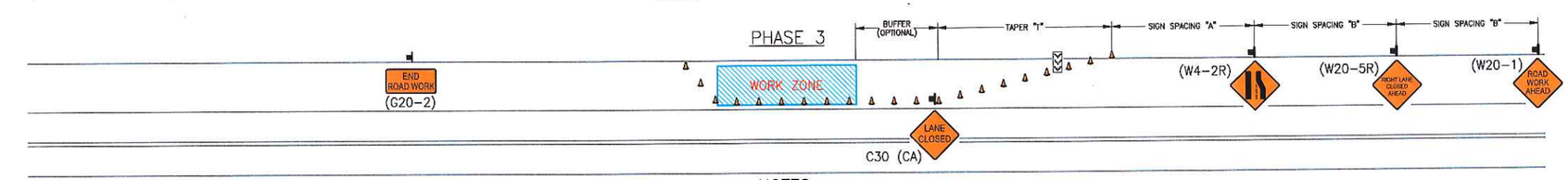
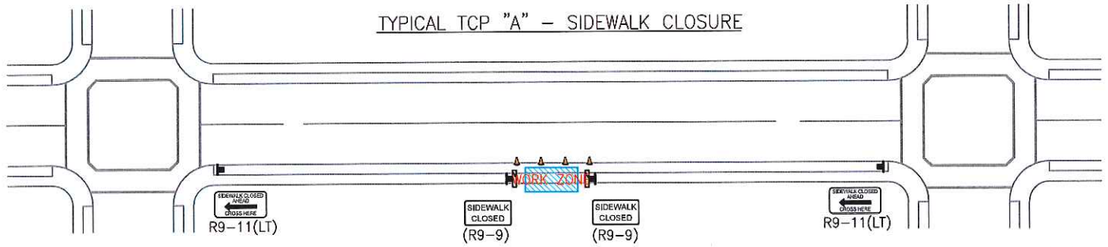


NOTES:

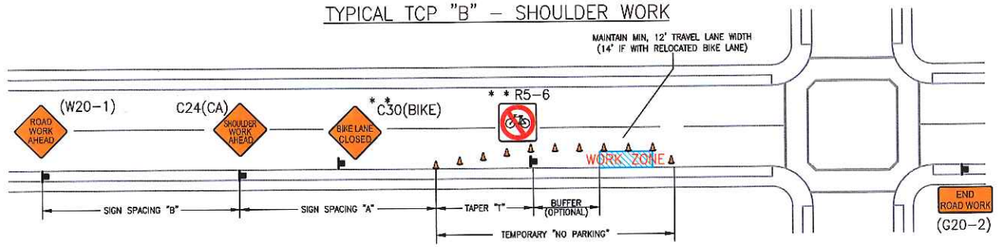
BIKE LANE CLOSURE AND TEMPORARY "NO PARKING" SIGNS TO BE POSTED AS NECESSARY MAINTAIN DRIVEWAY ACCESS AS CONSTRUCTION ALLOWS

TRAFFIC CONTROL PLAN TYPICALS
ARTERIAL ROADWAY CROSSING

TYPICAL TCP "A" – SIDEWALK CLOSURE

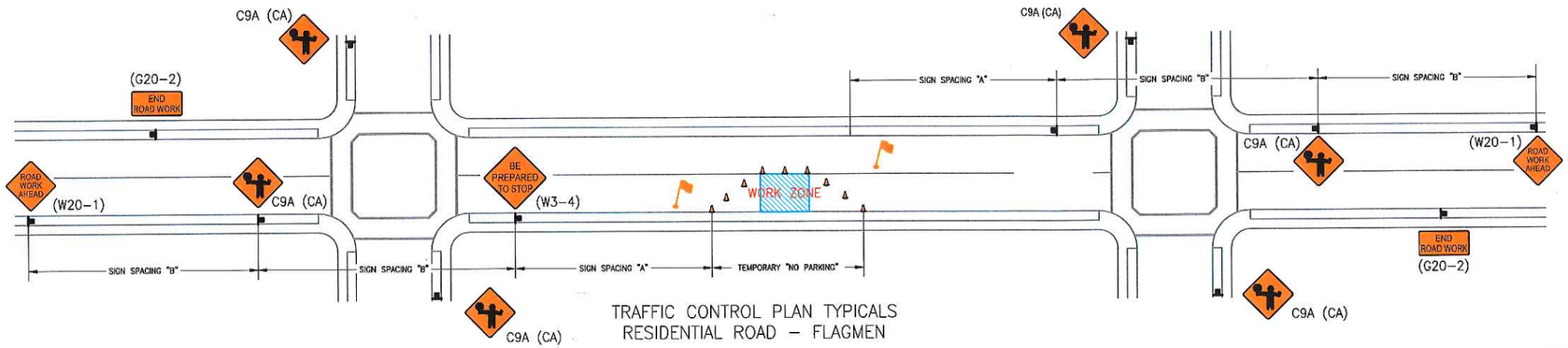


TYPICAL TCP "B" – SHOULDER WORK



TRAFFIC CONTROL PLAN TYPICALS
EDGE OF ROAD WORK ZONE

* * = BIKE LANE AS REQUIRED



TRAFFIC CONTROL PLAN TYPICALS
RESIDENTIAL ROAD – FLAGMEN

NOTE:

TRAFFIC CONTROL PER CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SAN JOAQUIN COUNTY PERMIT PLANS

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CVIN CENTRAL VALLEY INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105,
Fresno, Ca. 93730

DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	--		4 23 OF

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:10 AM – PLOTTED BY: RICHARD KYLE ANDERSON

SEE CITY OF ESCALON PERMIT PLANS FOR CONTINUATION

CITY OF ESCALON / SAN JOAQUIN COUNTY

DIRECTIONAL DRILL 469'
LENGTH OF DIRECTIONAL DRILL IN SAN JOAQUIN COUNTY R/W: 271'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM EDGE OF PAVEMENT AS POSSIBLE

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD. ALONG ESCALON BELLOTA RD.

BORE PIT

DIRECTIONAL DRILL 483'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00

LLOTA RD.

ESCALON BELLOTA RD.

DECK RD.

MATCH LINE

DIRECTIONAL DRILL 483' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

DIRECTIONAL DRILL 459'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

BORE PIT

DIRECTIONAL DRILL 205'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00

ESCALON BELLOTA RD.

MAHON RD.

N

MATCH LINE

MATCH LINE - SHEET 6

SAN JOAQUIN COUNTY PERMIT PLANS

DIGALERT
IT'S THE LAW !
CALL TOLL FREE (811)
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT

CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105,
Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	5 OF 23

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_WATERSCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:10 AM – PLOTTED BY: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 5

DIRECTIONAL DRILL 205' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP
AS POSSIBLE. MAINTAIN A MINIMUM
OF 6' CLEARANCE FROM EOP ALONG
ESCALON BELLOTA RD.

PLOW 810'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00

BORE PIT

ESCALON BELLOTA RD.

MATCH LINE

DRIVEWAY

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

INSTALL CONDUIT AS FAR FROM EOP
AS POSSIBLE. MAINTAIN A MINIMUM
OF 6' CLEARANCE FROM EOP ALONG
ESCALON BELLOTA RD.

PLOW 1,377'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

65+00 66+00 67+00 68+00 69+00 70+00 71+00 72+00

BORE PIT

PLOW 810' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DIRECTIONAL DRILL 60'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

ESCALON BELLOTA RD.

MATCH LINE - SHEET 7

N

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Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	6 OF 23

MATCH LINE - SHEET 6

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

PLOW 1,377' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DIRECTIONAL DRILL 410'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00

ESCALON BELLOTA RD.

MATCH LINE

DIRECTIONAL DRILL 410' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

BORE PIT

DIRECTIONAL DRILL 480'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

81+00 82+00 83+00 84+00 85+00 86+00 87+00 88+00

ESCALON BELLOTA RD.

MAGNOLIA RD.

MATCH LINE

MATCH LINE - SHEET 8

N

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INDEPENDENT NETWORK
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Fresno, Ca. 93730

DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		7 OF 23

P:\CVIN_CONSTRUCTION_OFF_GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:10 AM – PLOTTED BY: RICHARD KYLE ANDERSON

MATCH LINE – SHEET 7

DIRECTIONAL DRILL 480' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

DIRECTIONAL DRILL 491'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

DRIVEWAY

BORE PIT

DIRECTIONAL DRILL 447'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

89+00 90+00 91+00 92+00 93+00 94+00 95+00 96+00

MATCH LINE

MATCH LINE – SHEET 9

DIRECTIONAL DRILL 447' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

LONE TREE CREEK

DIRECTIONAL DRILL 338'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 25' COVER
BELOW BOTTOM OF CREEK
SEE SHEET 8b FOR DETAILS

DIRECTIONAL DRILL 215'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

DRIVEWAY

PLOW 1,534'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+

ESCALON BELLOTA RD.

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

ESCALON BELLOTA RD.

N

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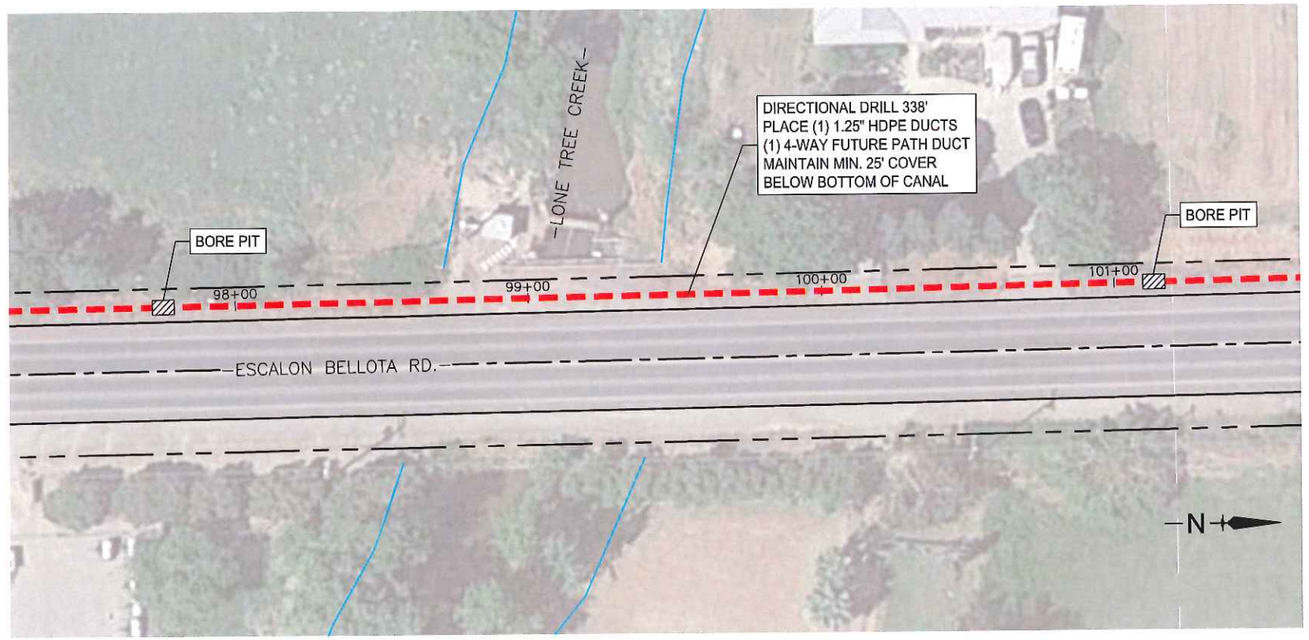
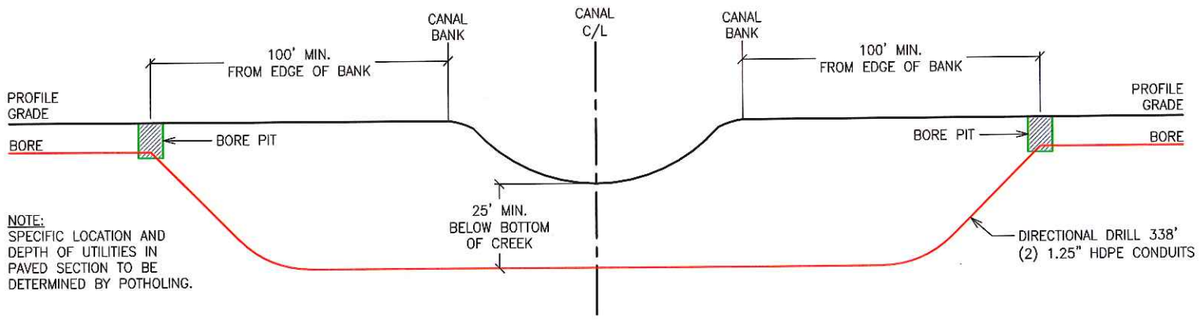
DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		8a OF 23

VICINITY MAP





NOTE:
SPECIFIC LOCATION AND DEPTH OF UTILITIES IN PAVED SECTION TO BE DETERMINED BY POTHOLING.

LONE TREE CREEK AT ESCALON BELLOTA RD.
(PROFILE LOOKING WEST)
APPROXIMATELY 0.35 MILES SOUTH OF LONE TREE ROAD
SAN JOAQUIN COUNTY, CA.
NOT TO SCALE

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DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	8b 23 OF

A:\CVIN CONSTRUCTION, GFF GRANT VALLEY HOME TO ESCALON\DRAWINGS\CVIN WITDESCALON SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:10 AM - PLOTTED BY: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 8

PLOW 1,534' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

105+00 106+00 107+00 108+00 109+00 110+00 111+00 112

ESCALON BELLOTA RD.

BUERER RD.

MATCH LINE

NOTES:

1. ALL WORK AT LONE TREE RD. & ESCALON-BELLOTA RD. INTERSECTION SHALL STAY CLEAR OF CONDUIT AND HARDWARE FOR SIGNAL SYSTEM (SEE SHEET 9b FOR SIGNAL AND HARDWARE LOCATIONS).
2. FIELD STAKE/LOCATE AND CONTACT COUNTY FIELD INSPECTOR TO REVIEW PRIOR TO EXCAVATION.

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 6' CLEARANCE FROM EOP ALONG ESCALON BELLOTA RD.

PLOW 1,534' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

LONE TREE RD.

+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120

BORE PIT

DIRECTIONAL DRILL 81'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

ESCALON BELLOTA RD.

DRIVEWAY DRIVEWAY DRIVEWAY

DIRECTIONAL DRILL 483'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 10

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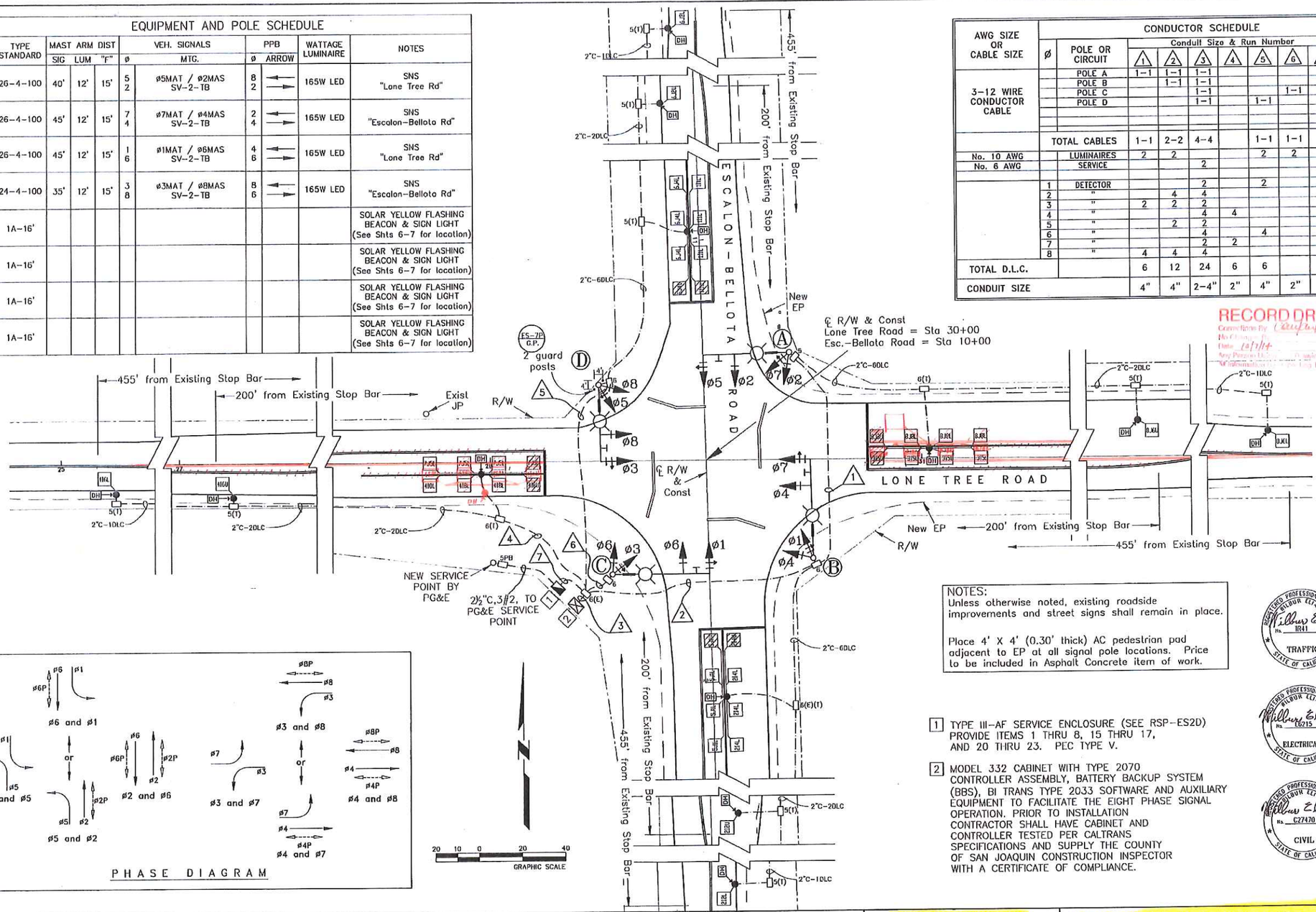
P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN_JOAQUIN_COUNTY.DWG - PLOT DATE: 7/23/2015 10:10 AM - PLOTTED BY: RICHARD KYLE ANDERSON

EQUIPMENT AND POLE SCHEDULE

LOCATION	TYPE STANDARD	MAST ARM DIST SIG	LUM	"F"	VEH. SIGNALS ø	MTG.	PPB ø	ARROW	WATTAGE LUMINAIRE	NOTES
Ⓐ	26-4-100	40'	12'	15'	5 2	ø5MAT / ø2MAS SV-2-TB	8 2	← →	165W LED	SNS "Lone Tree Rd"
Ⓑ	26-4-100	45'	12'	15'	7 4	ø7MAT / ø4MAS SV-2-TB	2 4	← →	165W LED	SNS "Escalon-Bellota Rd"
Ⓒ	26-4-100	45'	12'	15'	1 6	ø1MAT / ø6MAS SV-2-TB	4 6	← →	165W LED	SNS "Lone Tree Rd"
Ⓓ	24-4-100	35'	12'	15'	3 8	ø3MAT / ø8MAS SV-2-TB	8 6	← →	165W LED	SNS "Escalon-Bellota Rd"
Ⓔ	1A-16'									SOLAR YELLOW FLASHING BEACON & SIGN LIGHT (See Shts 6-7 for location)
Ⓕ	1A-16'									SOLAR YELLOW FLASHING BEACON & SIGN LIGHT (See Shts 6-7 for location)
Ⓖ	1A-16'									SOLAR YELLOW FLASHING BEACON & SIGN LIGHT (See Shts 6-7 for location)
Ⓗ	1A-16'									SOLAR YELLOW FLASHING BEACON & SIGN LIGHT (See Shts 6-7 for location)

CONDUCTOR SCHEDULE

AWG SIZE OR CABLE SIZE	ø	POLE OR CIRCUIT	Conduit Size & Run Number 1	2	3	4	5	6	7
3-12 WIRE CONDUCTOR CABLE		POLE A	1-1	1-1	1-1				
		POLE B		1-1	1-1				
		POLE C			1-1			1-1	
		POLE D			1-1		1-1		
		TOTAL CABLES	1-1	2-2	4-4		1-1	1-1	
No. 10 AWG		LUMINAIRES	2	2			2	2	4
No. 6 AWG		SERVICE			2				2
	1	DETECTOR			2		2		
	2	"		4	4				
	3	"	2	2	2				
	4	"			4	4			
	5	"		2	2				
	6	"			4		4		
	7	"			2	2			
	8	"	4	4	4				
TOTAL D.L.C.			6	12	24	6	6		
CONDUIT SIZE			4"	4"	2-4"	2"	4"	2"	2"



NOTES:
Unless otherwise noted, existing roadside improvements and street signs shall remain in place.

Place 4' X 4' (0.30' thick) AC pedestrian pad adjacent to EP at all signal pole locations. Price to be included in Asphalt Concrete item of work.

1 TYPE III-AF SERVICE ENCLOSURE (SEE RSP-ES2D) PROVIDE ITEMS 1 THRU 8, 15 THRU 17, AND 20 THRU 23. PEC TYPE V.

2 MODEL 332 CABINET WITH TYPE 2070 CONTROLLER ASSEMBLY, BATTERY BACKUP SYSTEM (BBS), BI TRANS TYPE 2033 SOFTWARE AND AUXILIARY EQUIPMENT TO FACILITATE THE EIGHT PHASE SIGNAL OPERATION. PRIOR TO INSTALLATION CONTRACTOR SHALL HAVE CABINET AND CONTROLLER TESTED PER CALTRANS SPECIFICATIONS AND SUPPLY THE COUNTY OF SAN JOAQUIN CONSTRUCTION INSPECTOR WITH A CERTIFICATE OF COMPLIANCE.

RECORD DRAWING
Corrections By
No Changes By
Date 12/1/14
Any Persons Dig Should Verify Underground Conditions Prior To Any Dig On This Site Of Work

Registered Professional Engineer — Wilbur Ellis — No. 1841 — TRAFFIC — State of California

Registered Professional Engineer — Wilbur Ellis — No. E6215 — ELECTRICAL — State of California

Registered Professional Engineer — Wilbur Ellis — No. C27470 — CIVIL — State of California

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	COUNTY OF SAN JOAQUIN	SCALE: 1" = 20'	TRAFFIC SIGNAL AND LIGHTING PLAN	Escalon-Bellota Road and Lone Tree Road Traffic Signal (Intersection)	SHEET NO.	TOTAL SHEETS
R. Borsdorf	07/11	T. Sessoms	11/13/12	Jay Violett	11/19/12					5	9
T. Sessoms	11/12										

FILE NAME	DRAWER	SHEET NO.	ACAD	REVISIONS	DATE
	E	1004			

SAN JOAQUIN COUNTY PERMIT PLANS

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CVIN CENTRAL VALLEY INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105, Fresno, Ca. 93730

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7/23/15	--		9b 23 OF

P:\CVIN CONSTRUCTION OFF GRANT VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED By: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 9

DRIVEWAY

LONE TREE RD.

+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00

DIRECTIONAL DRILL 483' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

INSTALL CONDUIT AS FAR FROM EOP
AS POSSIBLE. MAINTAIN A MINIMUM OF
4' CLEARANCE FROM EOP ALONG
LONE TREE RD. ALONG LONE TREE RD.

DIRECTIONAL DRILL 474'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

MATCH LINE

MATCH LINE

BORE PIT

LONE TREE RD.

128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00

DIRECTIONAL DRILL 474' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP
AS POSSIBLE. MAINTAIN A MINIMUM
OF 4' CLEARANCE FROM EOP ALONG
LONE TREE RD.

DIRECTIONAL DRILL 463'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

DIRECTIONAL DRILL 454'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

MATCH LINE - SHEET 11

N

SAN JOAQUIN COUNTY PERMIT PLANS

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P:\CVIN CONSTRUCTION\OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 10

LONE TREE RD.

136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00

DIRECTIONAL DRILL 454' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

DIRECTIONAL DRILL 445'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

BORE PIT

DIRECTIONAL DRILL 474'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

MATCH LINE

MATCH LINE

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

LONE TREE RD.

144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00

DIRECTIONAL DRILL 474' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

BORE PIT

DIRECTIONAL DRILL 415'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

BORE PIT

DIRECTIONAL DRILL 473'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 12

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DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	11 OF 23

MATCH LINE - SHEET 11

LONE TREE RD.

152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00

DIRECTIONAL DRILL 473' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

BORE PIT

DRIVEWAY

DIRECTIONAL DRILL 452'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

MATCH LINE

MATCH LINE

LONE TREE RD.

BORE PIT

BORE PIT

160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00

DIRECTIONAL DRILL 452' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

DIRECTIONAL DRILL 461'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

DRIVEWAY

DIRECTIONAL DRILL 283'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 13

P:\CVIN CONSTRUCTION OFF 4\GRANTVALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSON

SAN JOAQUIN COUNTY PERMIT PLANS

DIGALERT
IT'S THE LAW!
CALL TOLL FREE (811)
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT

CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
9479 N. Fort Washington Rd., Ste. 105,
Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	12 OF 23

MATCH LINE - SHEET 12

CAMPBELL RD.

LONE TREE RD.

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

BORE PIT

BORE PIT

168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00

DIRECTIONAL DRILL 283' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DIRECTIONAL DRILL 316'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

PLOW 981'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

MATCH LINE

MATCH LINE

LONE TREE RD.

BORE PIT

176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00

PLOW 981' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

DIRECTIONAL DRILL 65'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

PLOW 2,864'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 14

P:\CVIN CONSTRUCTION (KFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:11 AM – PLOTTED BY: RICHARD KYLE ANDERSON

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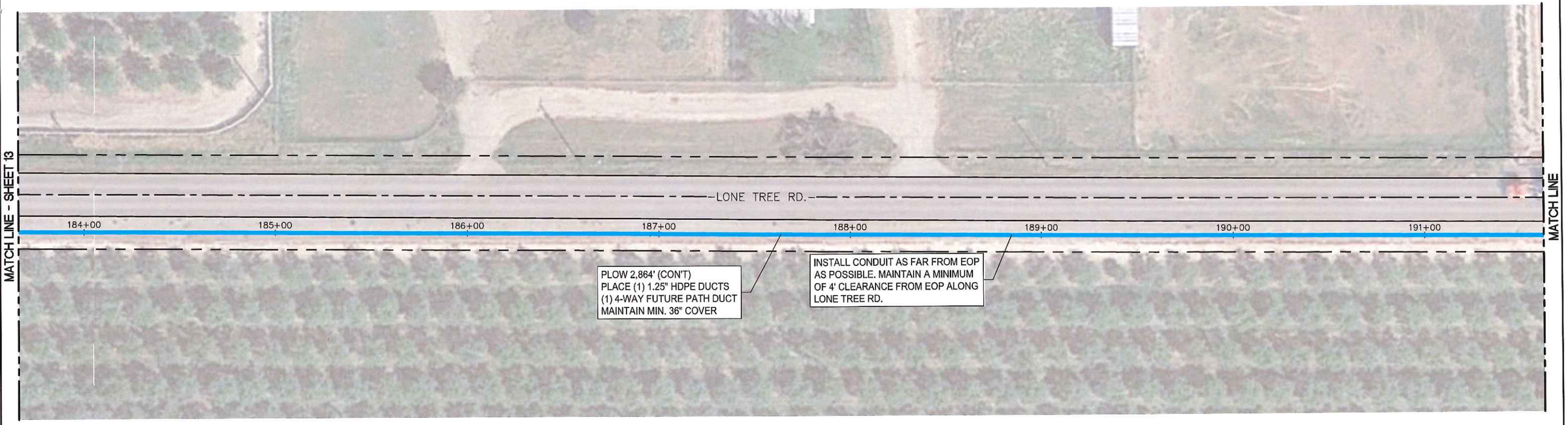
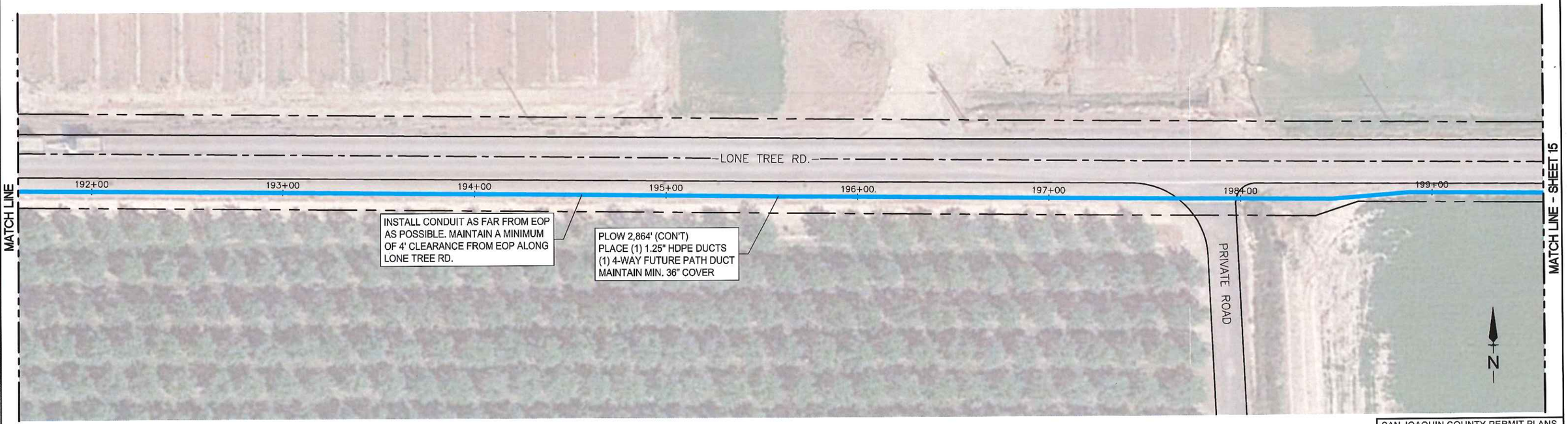
Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	13 OF 23





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DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		14 OF 23

P:\CVIN CONSTRUCTION OFF GRANT VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VATOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED By: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 14

LONE TREE RD.

200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00

PLOW 2,864' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

MATCH LINE

DRIVEWAY

LONE TREE CREEK

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

BORE PIT

LONE TREE RD.

208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00

PLOW 2,864' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

PRIVATE ROAD

DIRECTIONAL DRILL 269'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 25' COVER
BELOW BOTTOM OF CREEK
SEE SHEET 15b FOR DETAILS

BORE PIT

DIRECTIONAL DRILL 443'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

N

MATCH LINE - SHEET 16

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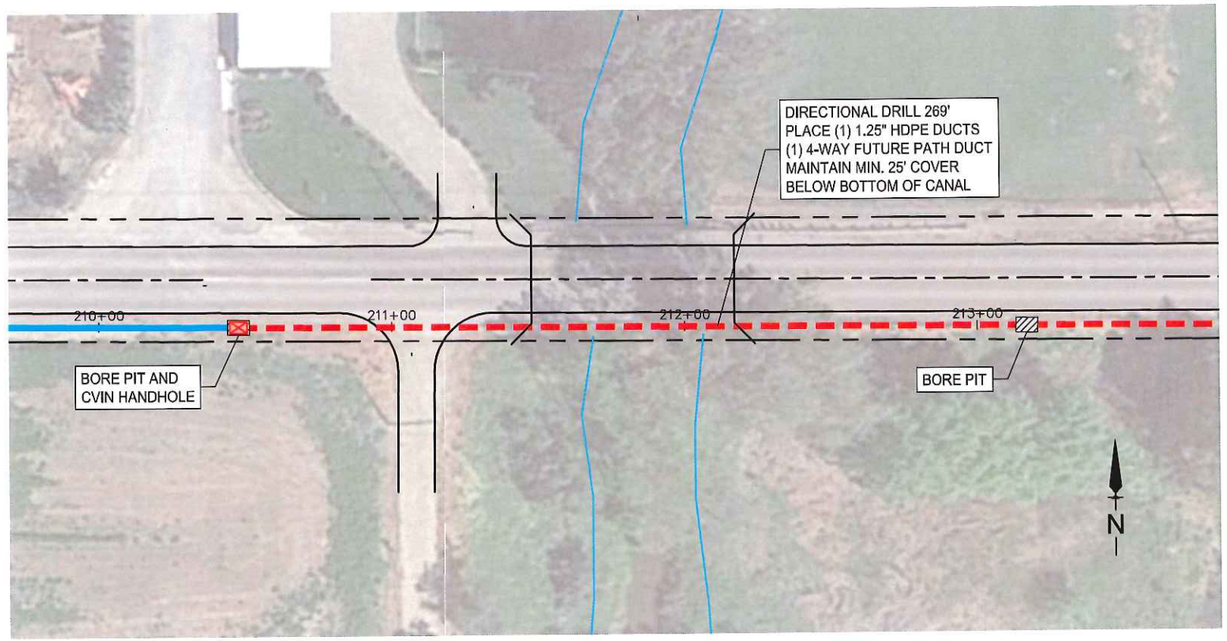
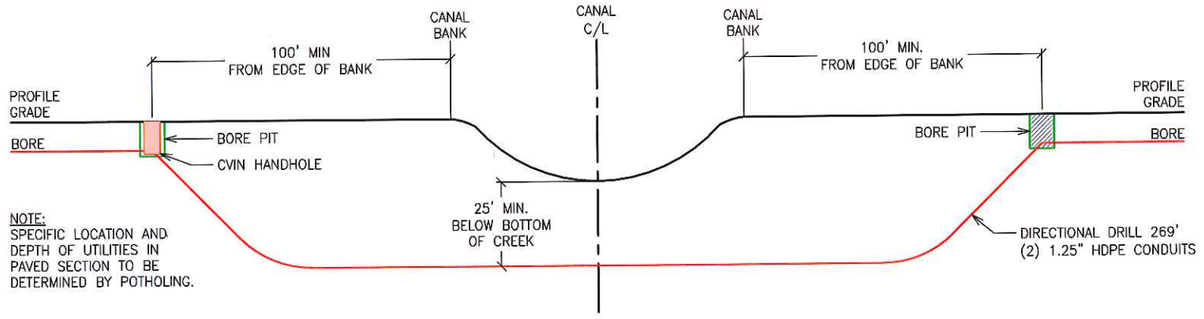
DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		15a 23 OF

P:\CVIN CONSTRUCTION DIF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:11 AM – PLOTTED BY: RICHARD KYLE ANDERSON

VICINITY MAP





NOTE:
SPECIFIC LOCATION AND DEPTH OF UTILITIES IN PAVED SECTION TO BE DETERMINED BY POTHOLING.

LONE TREE CREEK AT LONE TREE RD.
(PROFILE LOOKING NORTH)
APPROXIMATELY 0.24 MILES WEST OF STEINEGUL ROAD
SAN JOAQUIN COUNTY, CA.
NOT TO SCALE

SAN JOAQUIN COUNTY PERMIT PLANS

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DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	15b 23 OF

P:\CVIN CONSTRUCTION OF GRANTVALLEY HOME TO ESCALON\DRAWINGS\CVIN_WITDESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSEN

MATCH LINE - SHEET 15

DRIVEWAY

LONE TREE RD.

216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00

DIRECTIONAL DRILL 443' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

DIRECTIONAL DRILL 481'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

DIRECTIONAL DRILL 335'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

MATCH LINE

STEINEGUL RD.

MATCH LINE

LONE TREE RD.

224+00 225+00 226+00 227+00 228+00 229+00 230+00 231+00

DIRECTIONAL DRILL 335' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

BORE PIT

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

DRIVEWAY

DIRECTIONAL DRILL 480'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

BORE PIT

DIRECTIONAL DRILL 481'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 17

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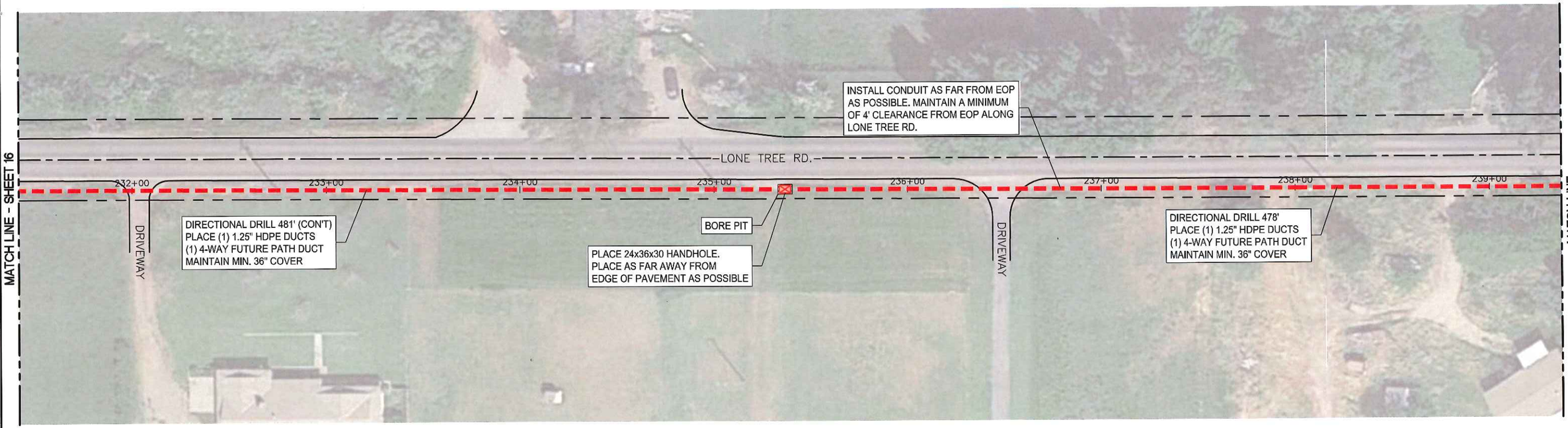
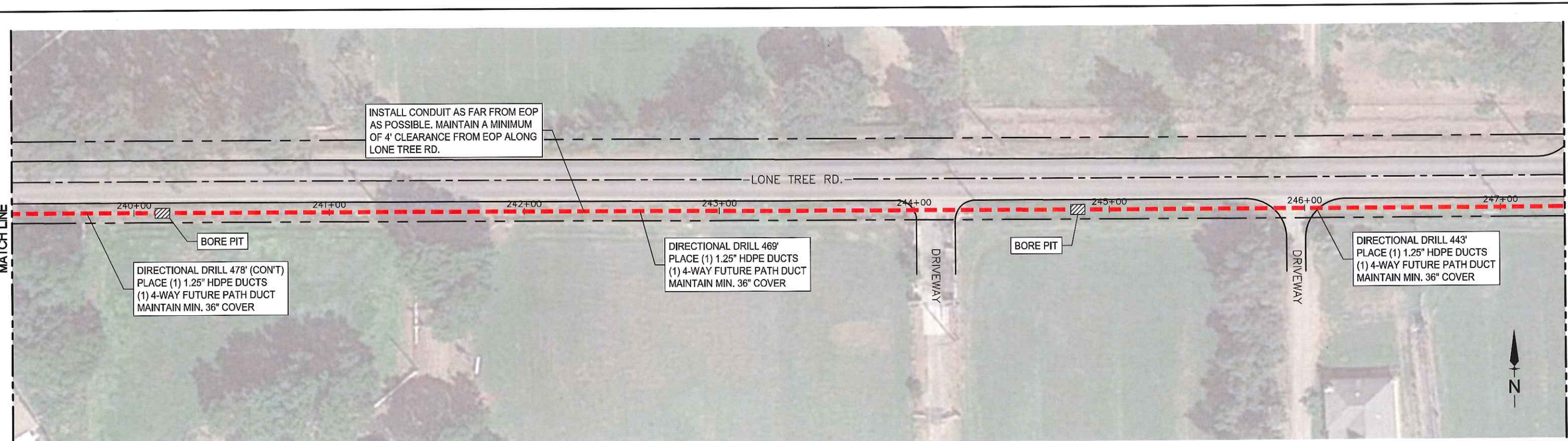
DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		16 OF 23

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VITOESCALON_SAN JOAQUIN COUNTY.DWG – PLOT DATE: 7/23/2015 10:11 AM – PLOTTED BY: RICHARD KYLE ANDERSON





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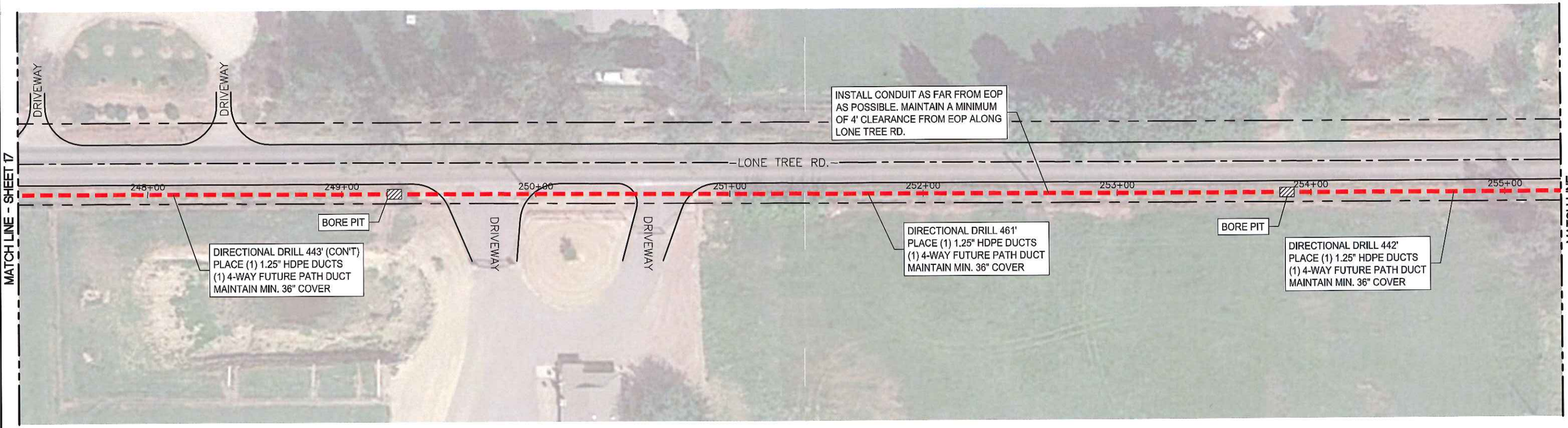
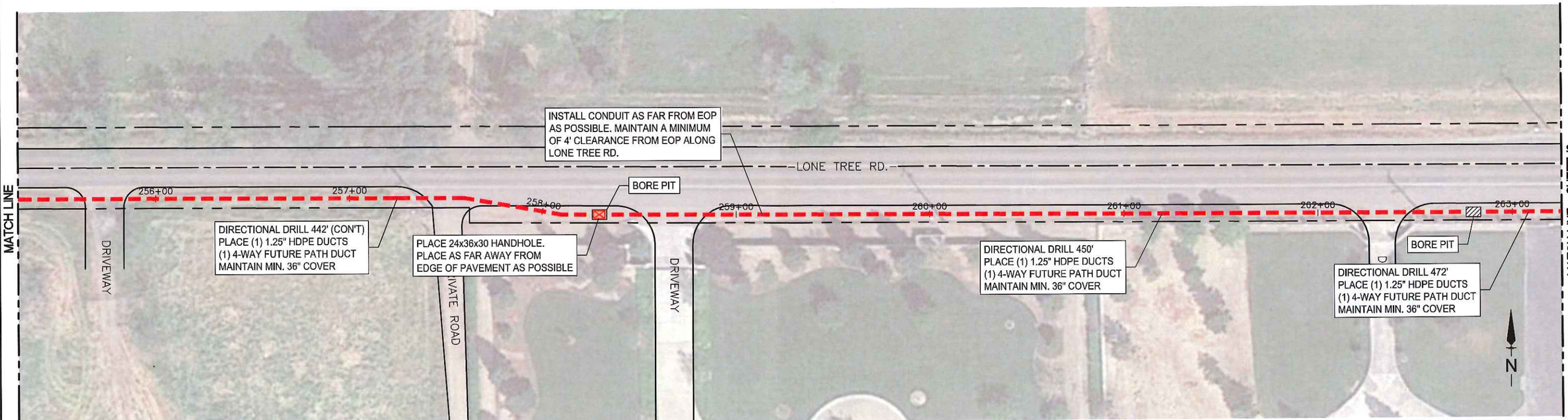
DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	17 OF 23

MATCH LINE - SHEET 17



MATCH LINE

MATCH LINE - SHEET 18



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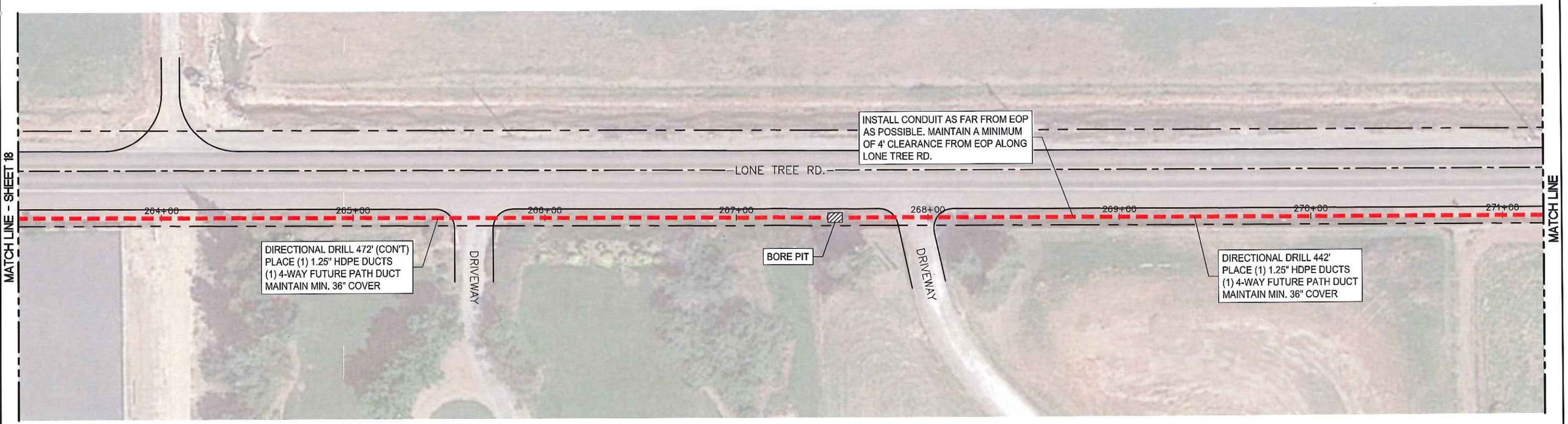
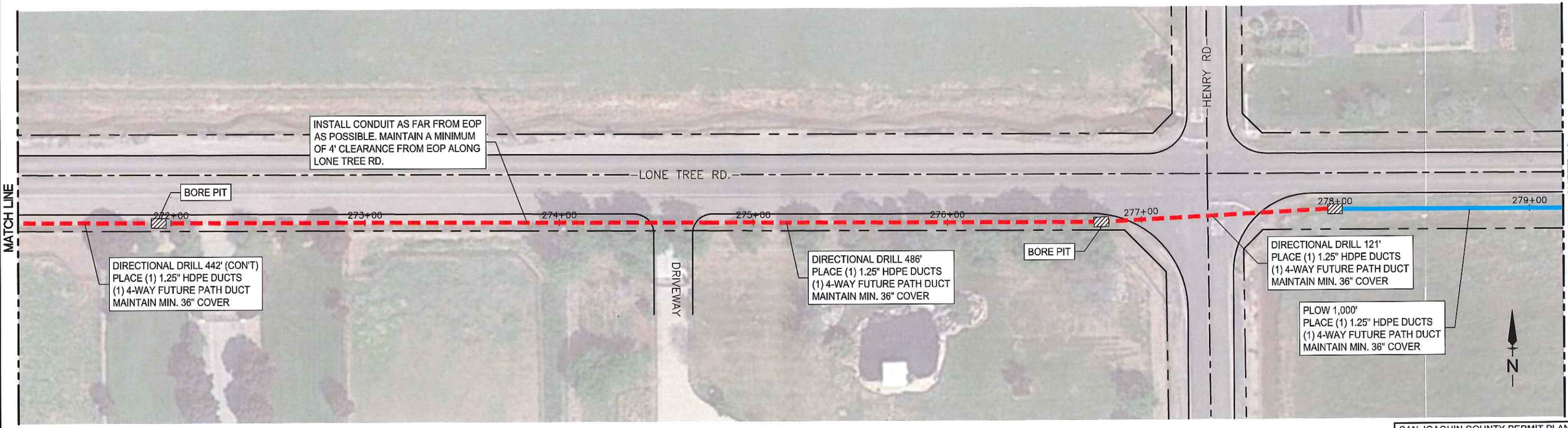
DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		18 OF 23





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DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		19 OF 23

P:\CVIN CONSTRUCTION OPF GRANTVALLEY HOME TO ESCALON DRAWINGS\CVIN_VATOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSON

MATCH LINE - SHEET 19

LONE TREE RD.

280+00 281+00 282+00 283+00 284+00 285+00 286+00 287+00

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

PLOW 1,000' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

GREEN ESTATES LN.

MATCH LINE

PLACE 24x36x30 HANDHOLE.
PLACE AS FAR AWAY FROM
EDGE OF PAVEMENT AS POSSIBLE

BORE PIT

LONE TREE RD.

288+00 289+00 290+00 291+00 292+00 293+00 294+00 295+00

MATCH LINE

PLOW 1,000' (CON'T)
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

DRIVEWAY

DIRECTIONAL DRILL 100'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

30324 LONE TREE RD.
OAKDALE CA, 95361

INSTALL CONDUIT AS FAR FROM EOP AS POSSIBLE. MAINTAIN A MINIMUM OF 4' CLEARANCE FROM EOP ALONG LONE TREE RD.

PLOW 2,147'
PLACE (1) 1.25" HDPE DUCTS
(1) 4-WAY FUTURE PATH DUCT
MAINTAIN MIN. 36" COVER

N

MATCH LINE - SHEET 21

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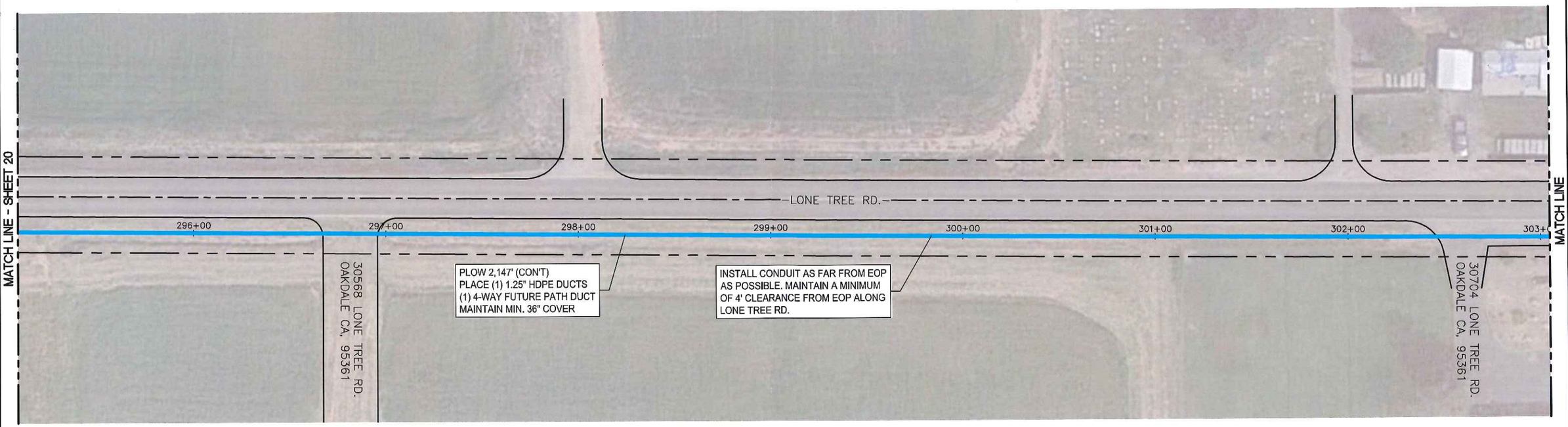
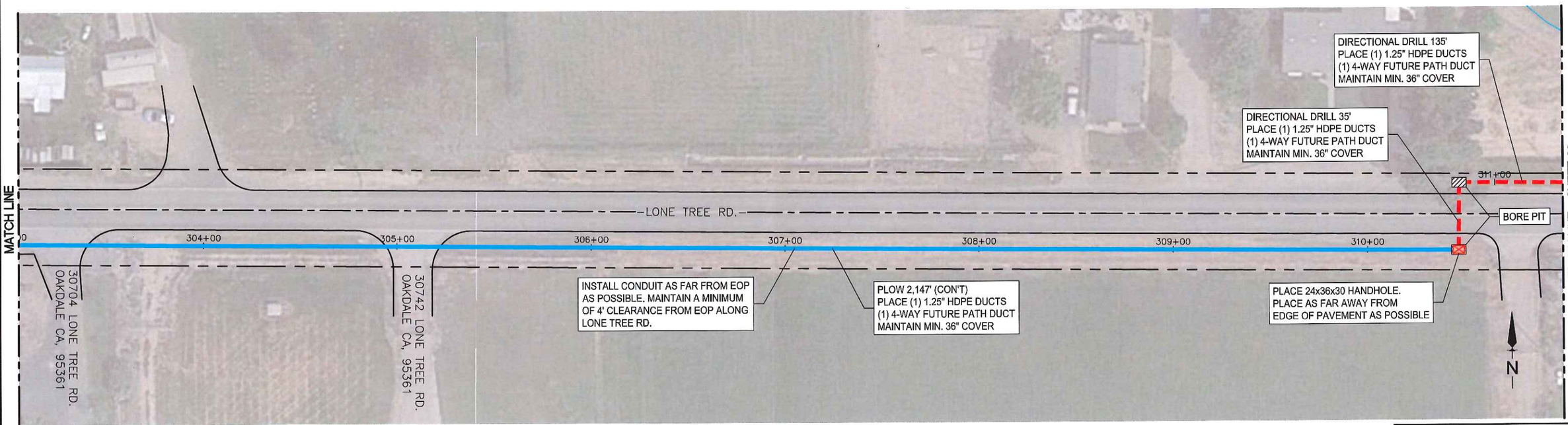
DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	20 OF 23

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_MITOSESCALON_SAN_JOAQUIN_COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSON





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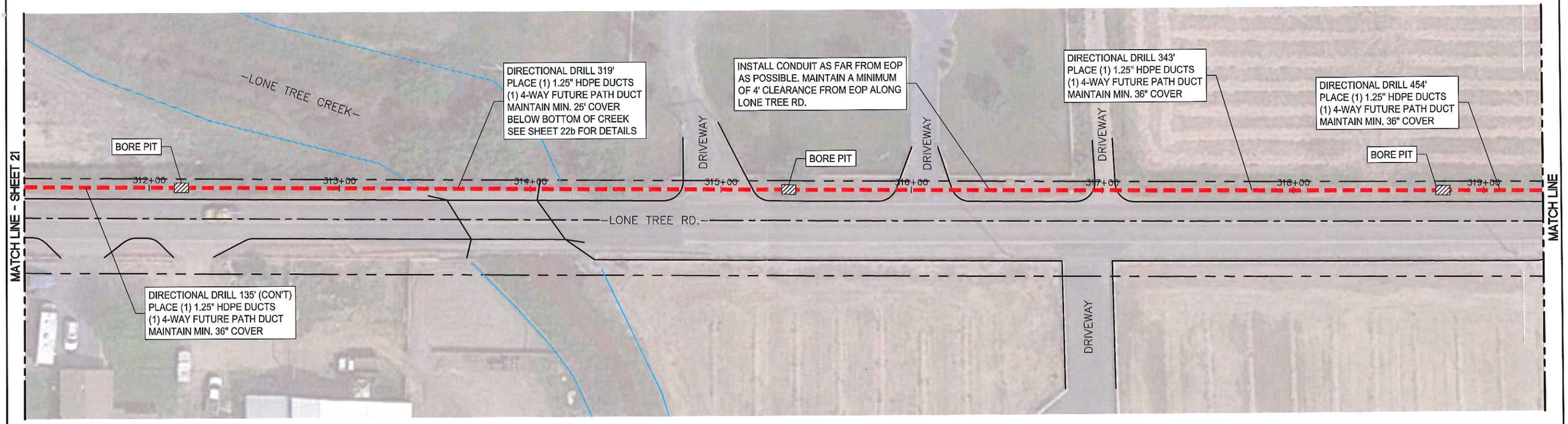
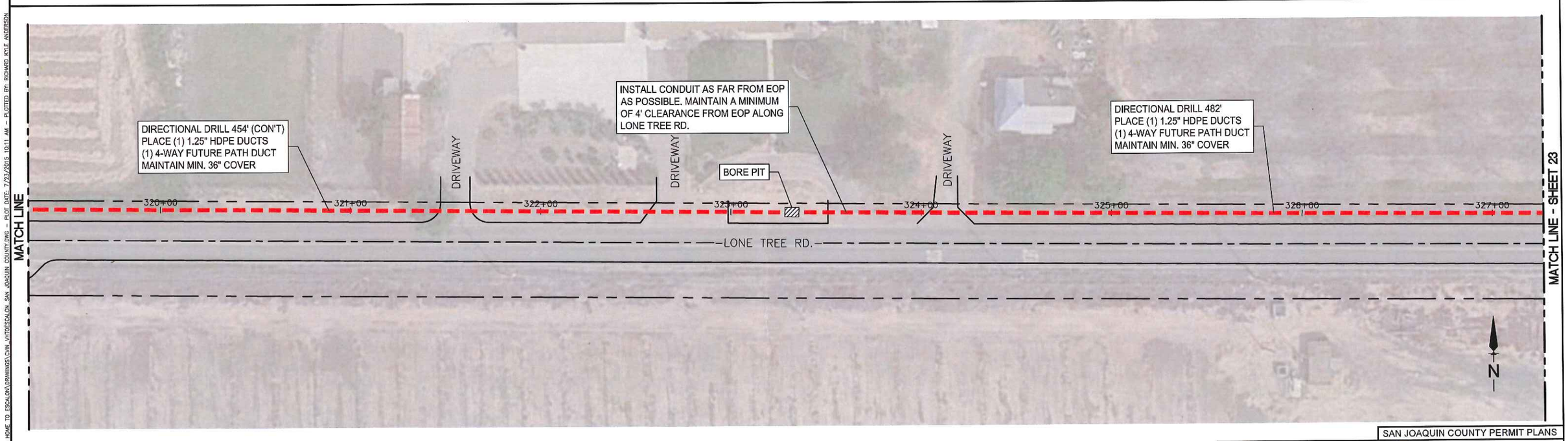
DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	21 OF 23





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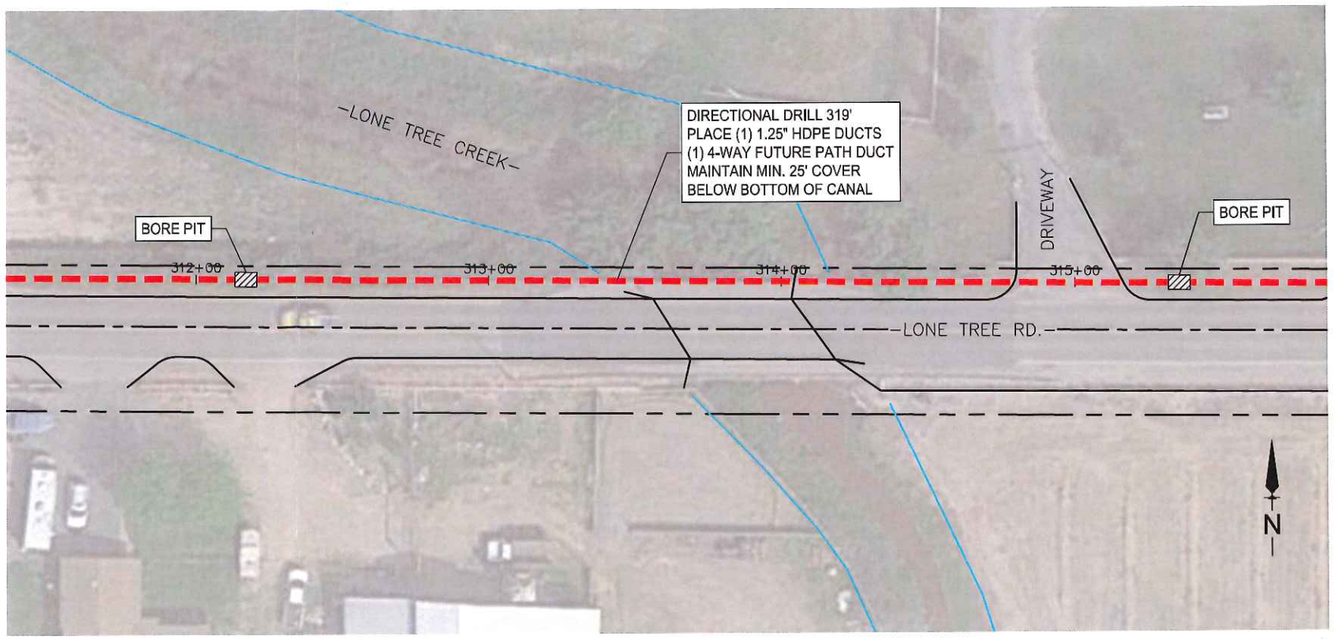
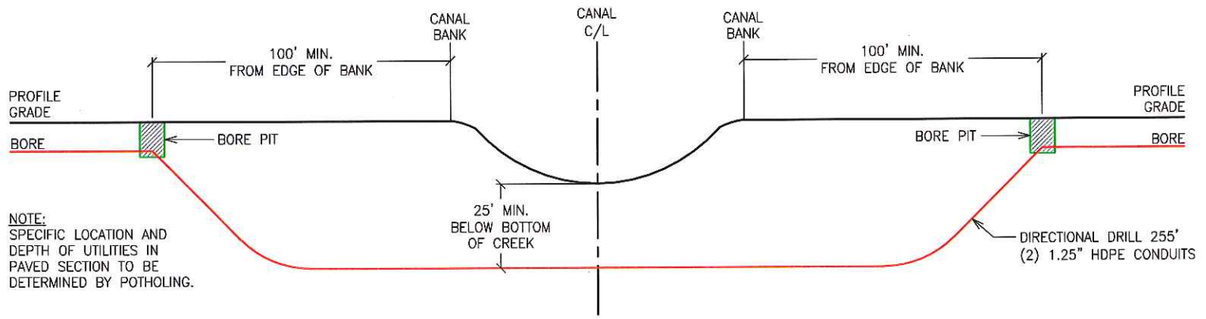
DATE:	SCALE:	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	GRID:
7/23/15	1" : 50'		22a 23 OF

P:\CVIN CONSTRUCTION OFF GRANT\VALLEY HOME TO ESCALON\DRAWINGS\CVIN_VHTOESCALON_SAN JOAQUIN COUNTY.DWG - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD KYLE ANDERSON

VICINITY MAP





NOTE:
SPECIFIC LOCATION AND DEPTH OF UTILITIES IN PAVED SECTION TO BE DETERMINED BY POTHOLING.

LONE TREE CREEK AT LONE TREE RD.
(PROFILE LOOKING NORTH)
APPROXIMATELY 0.31 MILES WEST OF SOUTH VICTORY ROAD
SAN JOAQUIN COUNTY, CA.
NOT TO SCALE

SAN JOAQUIN COUNTY PERMIT PLANS

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DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	22b 23 OF

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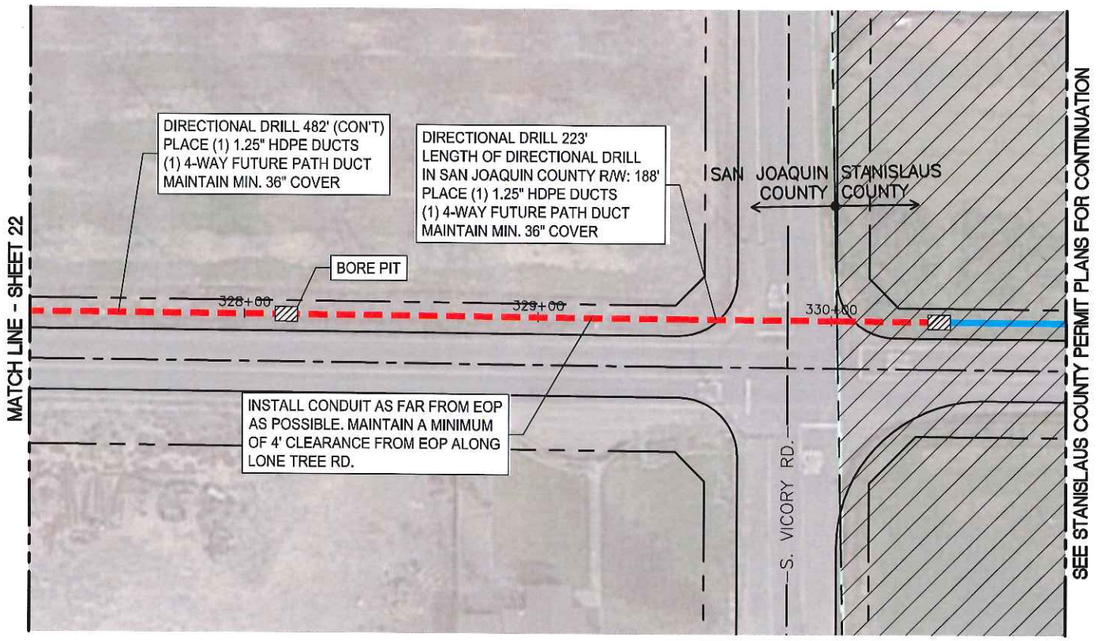

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Fresno, Ca. 93730

DATE:	SCALE:		GRID:
7/23/15	1" : 50'	INSTALLATION OF CONDUIT FROM ESCALON, CA TO VALLEYHOME, CA.	23 OF 23

PLOT BY: RICHARD, KYLE ANDERSON - PLOT DATE: 7/23/2015 10:11 AM - PLOTTED BY: RICHARD, KYLE ANDERSON
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