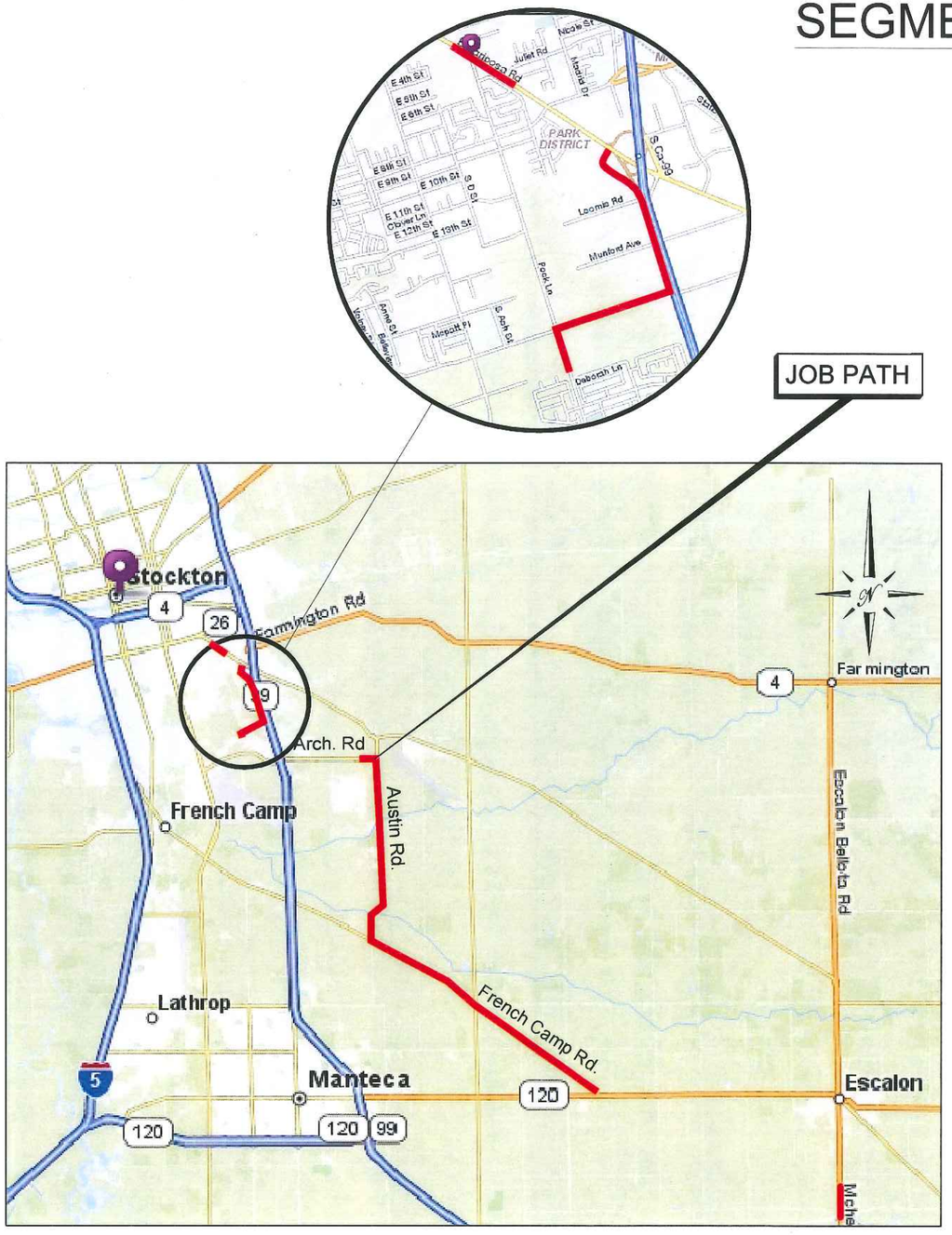
SEGMENT 17 - SAN JOAQUIN COUNTY PERMIT PLAN SET

SHEETS 01 THROUGH 54



VICINITY MAP

SCALE: NTS

INDEX

SHEET 01	VICINITY MAP, GENERAL NOTES AND INDEX
SHEET 02	TRENCH DETAIL AND NOTES
SHEET 03	HANDHOLE DETAIL AND TYPICAL BORING DETAIL
SHEET 04 - 06	TYPICAL TRAFFIC CONTROL PLANS
SHEET 07 - 54	STAKING PLANS

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.

CVIN PERMIT: SS-B04

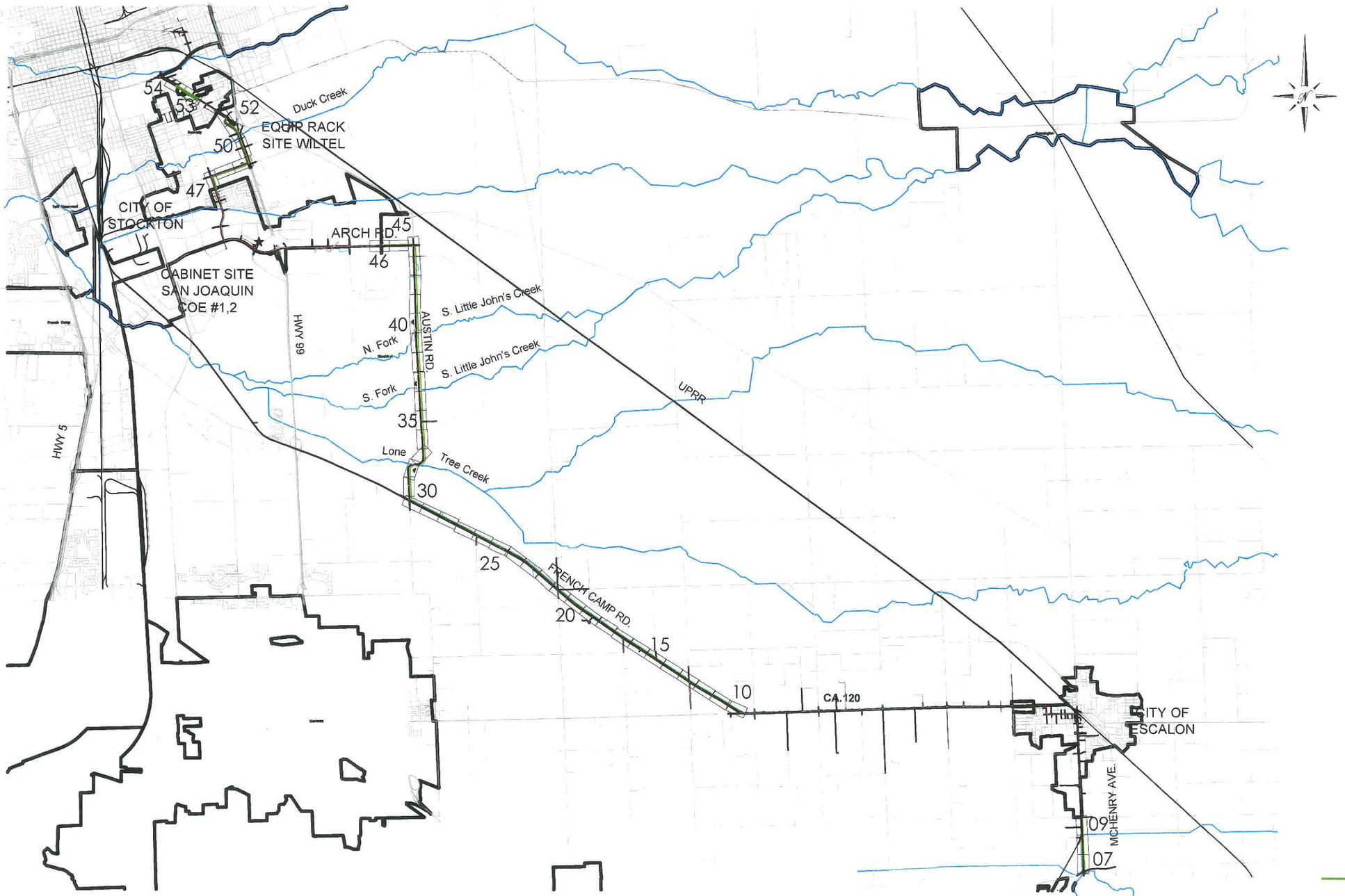
REV	DATE	DESCRIPTION	BY	CKD	APPV'D

PLANS FOR THE INSTALLATION OF UNDERGROUND FIBER OPTIC FACILITIES

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
Ph. 209-830-0162
Fax 209-830-8157

CVIN CENTRAL VALLEY INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	NTS	17 STOCKTON SOUTH	01	54



KEY MAP
SCALE: NTS

PATH OF FIBER CABLE

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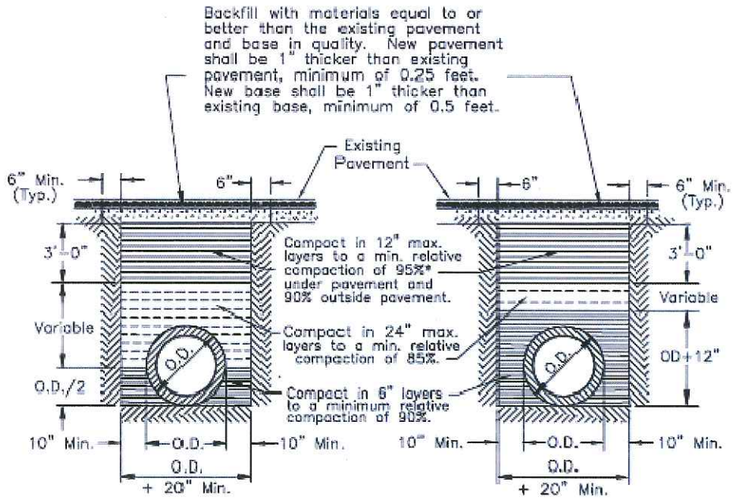

NOTES:

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. Jetting or ponding will be permitted within the street Right of Way with a 3 year bond.
4. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
5. Special bedding requirements may be shown on the plans or specified in special provisions.
6. Shoulders shall be as shown on the plans or specified in the special provisions but in no case shall the shoulder be less than three feet wide as measured from the edge of pavement.

No.	Revised	By	TYPICAL TRENCH BACKFILL	Approved by
1	Feb. 1996	FD		Director of Public Works
Drawn by	JLD			
Checked by			COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS	Date JUNE 1997
Scale	NONE			Drawing No. R-29

1. THE RHINO HYBRID 3-RAIL SPECIALLY DESIGNED REINFORCING FIBERS ARE BLENDED WITH UV STABLE PLASTIC TO CREATE A FLAT POST WITH THE BRIGHT COLOR OF PLASTIC AND THE IMPACT RESISTANCE OF THE COMBINED FIBERGLASS FIBERGLASS AND PLASTIC. IT'S DESIGN ALLOWS THE POST TO BEND OVER WHEN HIT, THEN SNAP BACK INTO IT'S NORMAL UPRIGHT POSITION.

2. CONTRACTOR IS RESPONSIBLE FOR POSTING OF THESE RHINO FIBER 3-RAIL WARNING SIGNS, PER MANUFACTURER'S INSTALLATION STANDARDS, EVERY ±2640 FEET (1/2-MILE) IN RURAL AREAS AND IN THE URBAN AREAS EVERY ±1320 FEET (1/4-MILE), AND AT EVERY HANDHOLE AND ANY CONDUIT SPLICE LOCATED BETWEEN HANDHOLES (EXCEPT IN SIDEWALKS OR OTHER IMPRACTICAL URBAN AREAS), TO ENSURE THE FIBER AND STRUCTURE CAN BE LOCATED AND IS NOT DAMAGED IN THE FUTURE.

3. WARNING SIGNS AND DECALS SHALL BE SUPPLIED BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF ALL MID-PAN CONDUIT SPLICES AS THAT QUANTITY IS NOT ACCOUNTED FOR IN THE BID UNIT QUANTITY SUMMARY.

WARNING SIGN - RHINO 3 RAIL FIBER OPTIC CABLE MARKER

NTS

NOTES:

1. TRENCH WITHIN 4' OF EDGE OF PAVEMENT SHALL BE SURFACED WITH BASE ROCK TO MACH EXISTING OR A MINIMUM OF 3' WHICHEVER IS GREATER.

2. FRENCH CAMP ROAD FROM HWY 120 TO AUSTIN ROAD HAS RECENTLY BEEN RESURFACED AND SHOULDERS BACKED WITH CLASS II AB. THE WORK IN THIS AREA NEEDS TO OCCUR OUTSIDE THE SHOULDER BACKING AREA.

3. MARTIN LUTHER KING BLVD. SUBJECT TO REALIGNMENT IN THE CITY UNDER THE HWY 99 WIDENING PROJECT. IMPACTS UNKNOWN.

4. ALL TRENCHING/BORINGS, ETC. ON MCHENRY AVE. IS REQUIRED TO BE AT LEAST 5' BELOW EXISTING SURFACE. SEE ATTACHED TYPICAL SECTION AND LAYOUT FOR ANY POTENTIAL CONFLICTS (I.E. DITCH ALONG WEST SIDE OF MCHENRY AVE.

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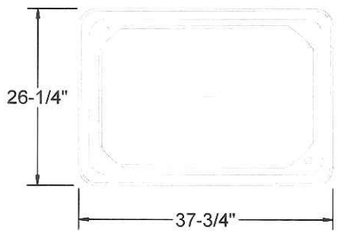
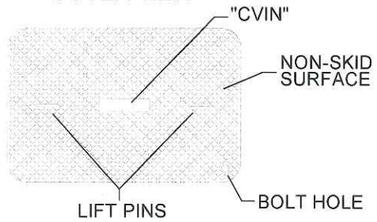
CVIN HANDHOLE DETAIL

MARTIN ENTERPRISES POLYMER
CONCRETE BOX 243630 OR EQUIVALENT
(W/ TRAFFIC RATED LID WHEN SPECIFIED)

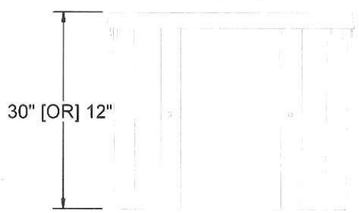
TOP VIEW



COVER VIEW

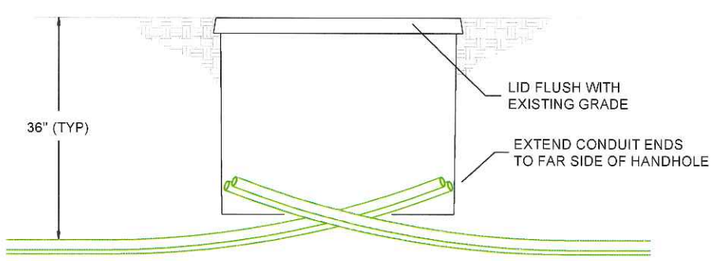


SIDE VIEW

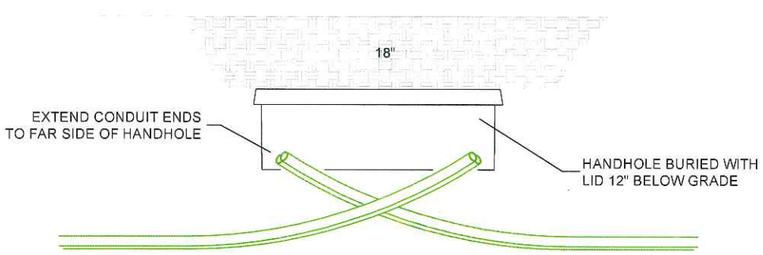


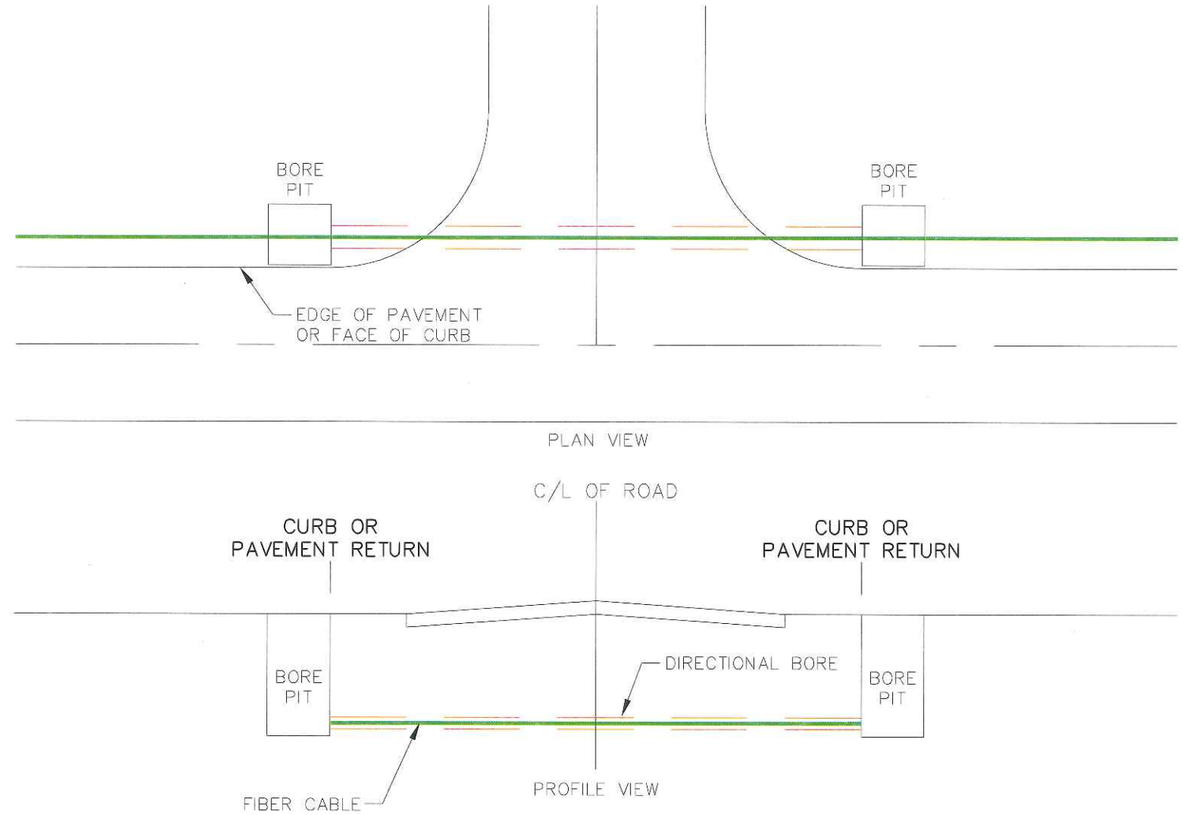
END VIEW

30" HANDHOLE INSTALLATION



12" HANDHOLE INSTALLATION





TYPICAL BORE DETAIL AT STREET INTERSECTION

NOT TO SCALE

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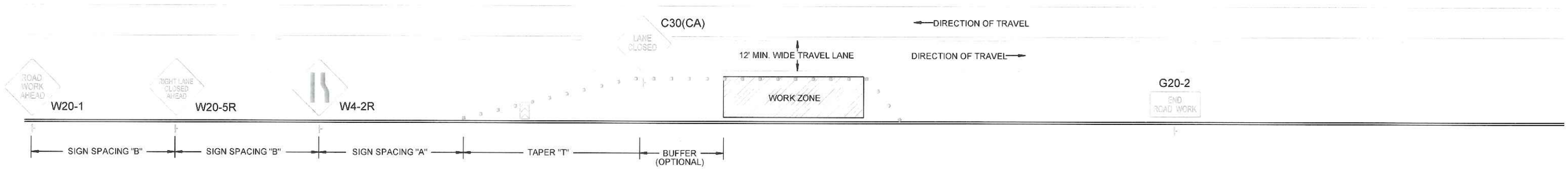
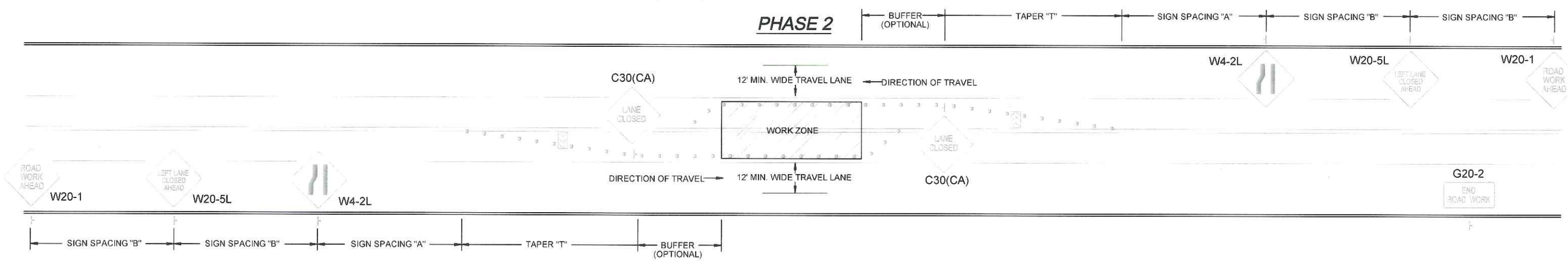
PHASE 1



PHASE 2



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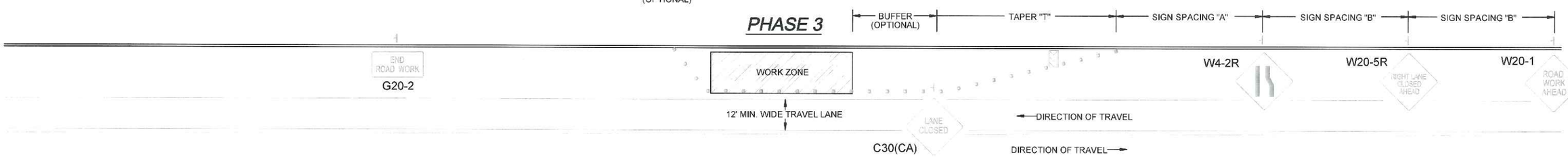

NOTE

BIKE LANE CLOSURE AND TEMPORARY "NO PARKING" SIGNS TO BE POSTED AS NECESSARY

MAINTAIN DRIVEWAY ACCESS AS CONSTRUCTION ALLOWS

SIGN SPACING CHART *

POSTED SPEED	"A"	"B"
40MPH OR LESS	100'	100'
45MPH AND OVER	350'	350'

TAPER CHART *

POSTED SPEED	"T"
25MPH	30'
30MPH	40'
35MPH	55'
40MPH	70'
45MPH	90'
50MPH +	110'

* = MUTCD RECOMMENDED DISTANCES

LEGEND

- TRAFFIC CONE
- FLASHING ARROW SIGN (FAS)
- BARRICADE
- WORK ZONE
- EXISTING TURN ONLY LANE
- EXISTING NO TURN LANE
- TRAFFIC SIGNAL
- FLAGGER
- SIGN (WITH CALTRANS CODE)
- HIGH LEVEL WARNING DEVICE (WITH CALTRANS & MUTCD CODE)
- TRAFFIC FLOW DIRECTION

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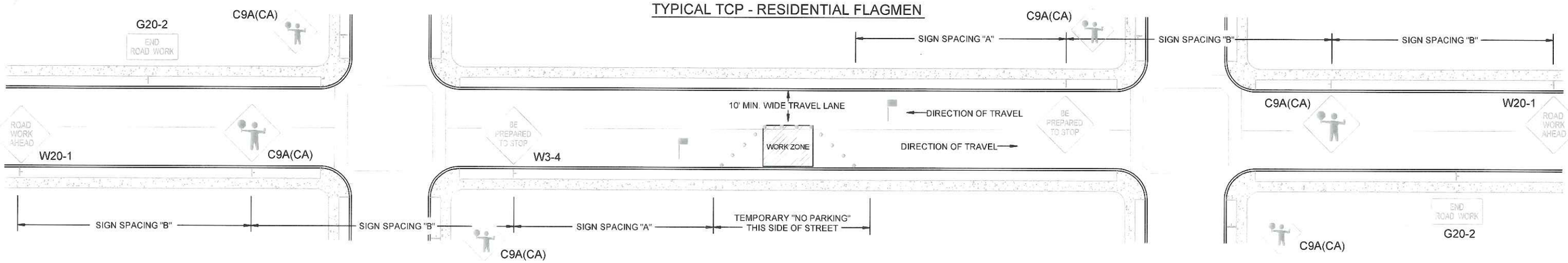
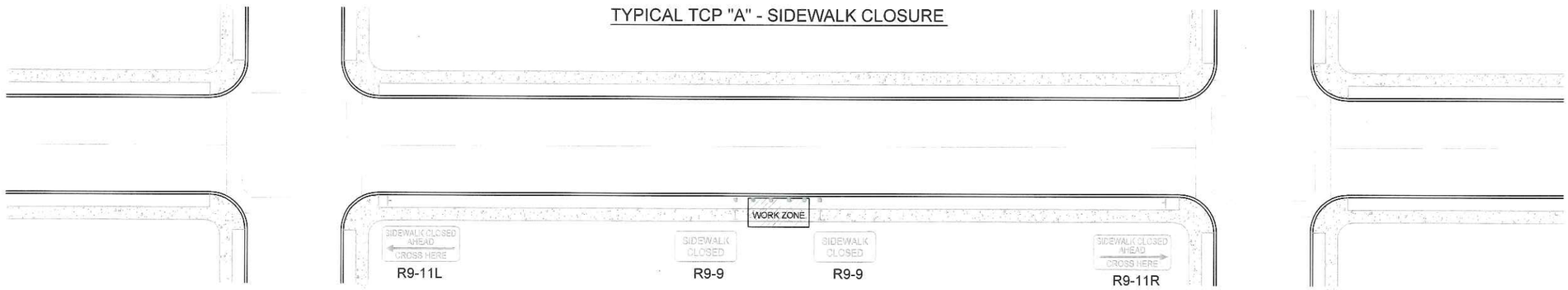
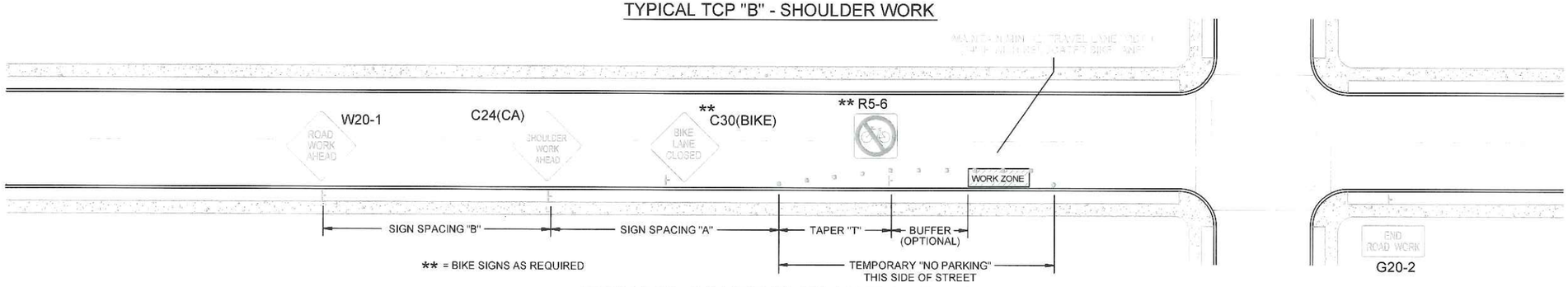
TYPICAL TCP - RESIDENTIAL FLAGMEN



TYPICAL TCP "A" - SIDEWALK CLOSURE



TYPICAL TCP "B" - SHOULDER WORK



TRAFFIC CONTROL PLAN TYPICALS
EDGE OF ROAD WORK ZONE

LEGEND

- TRAFFIC CONE
- FLASHING ARROW SIGN (FAS)
- BARRICADE
- WORK ZONE
- EXISTING TURN ONLY LANE
- EXISTING NO TURN LANE
- TRAFFIC SIGNAL
- FLAGGER
- SIGN (WITH CALTRANS CODE)
- HIGH LEVEL WARNING DEVICE (WITH CALTRANS & MUTCD CODE)
- TRAFFIC FLOW DIRECTION

TAPER CHART *

POSTED SPEED	"T"
25MPH	30'
30MPH	40'
35MPH	55'
40MPH	70'
45MPH	90'
50MPH +	110'

* = MUTCD RECOMMENDED DISTANCES

SIGN SPACING CHART *

POSTED SPEED	"A"	"B"
40MPH OR LESS	100'	100'
45MPH AND OVER	350'	350'

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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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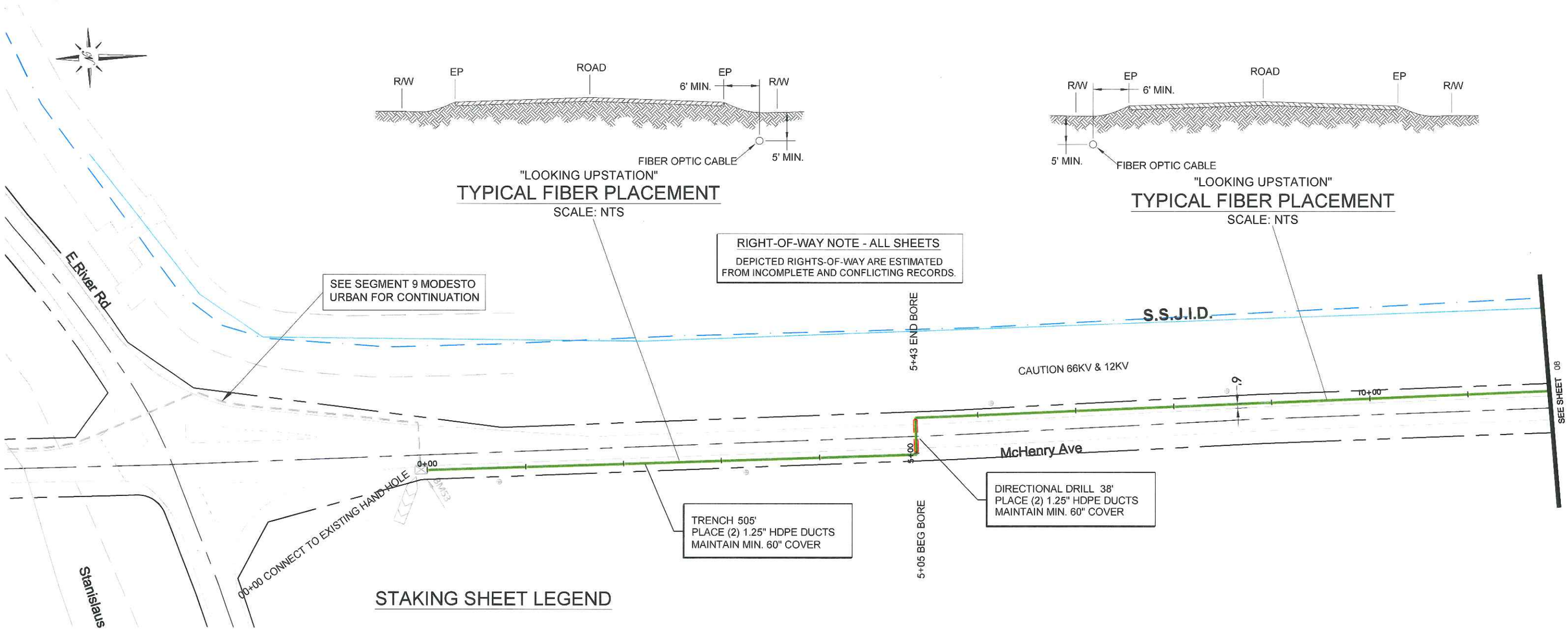

RIGHT-OF-WAY NOTE - ALL SHEETS

DEPICTED RIGHTS-OF-WAY ARE ESTIMATED FROM INCOMPLETE AND CONFLICTING RECORDS.

STAKING SHEET LEGEND

EXISTING LANDBASE

- CURB LINE / EDGE OF PAVEMENT
- RIGHT-OF-WAY
- ROADWAY CENTERLINE
- HANDICAP RAMP
- RAILROAD TRACKWAY
- WATERWAY
- SURFACED DRIVEWAY - NO CURBLINE
- SURFACED DRIVEWAY - CUT CURBLINE
- GRAVEL OR DIRT DRIVEWAY
- MINOR BRIDGE

PROPOSED CONSTRUCTION

- CONSTRUCTION PATH
- DIRECTIONAL DRILL SEGMENT
- PROPOSED 2x3 HANDHOLE

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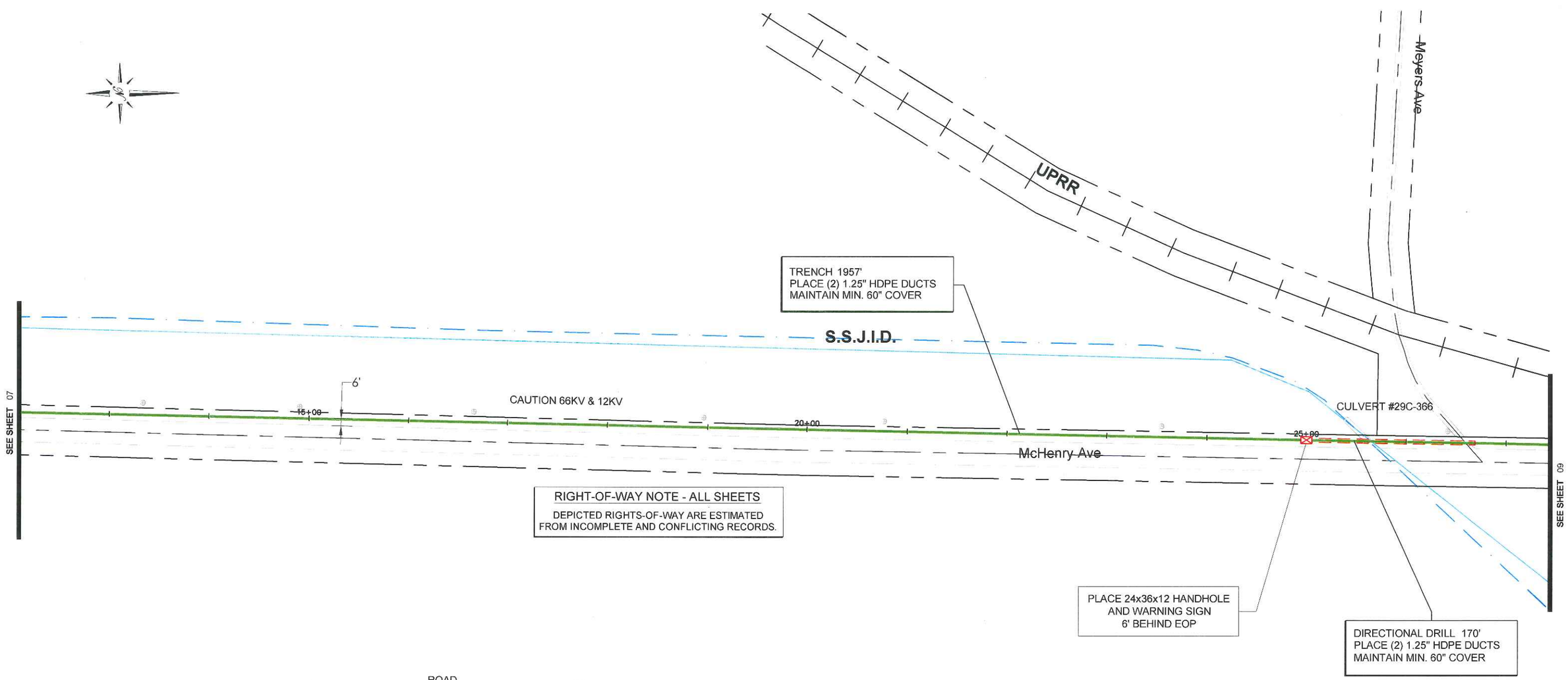

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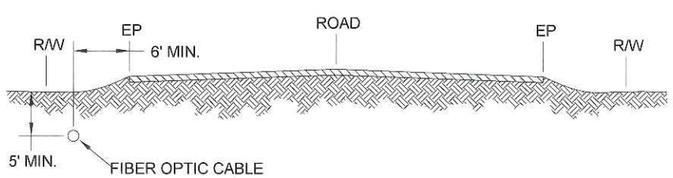

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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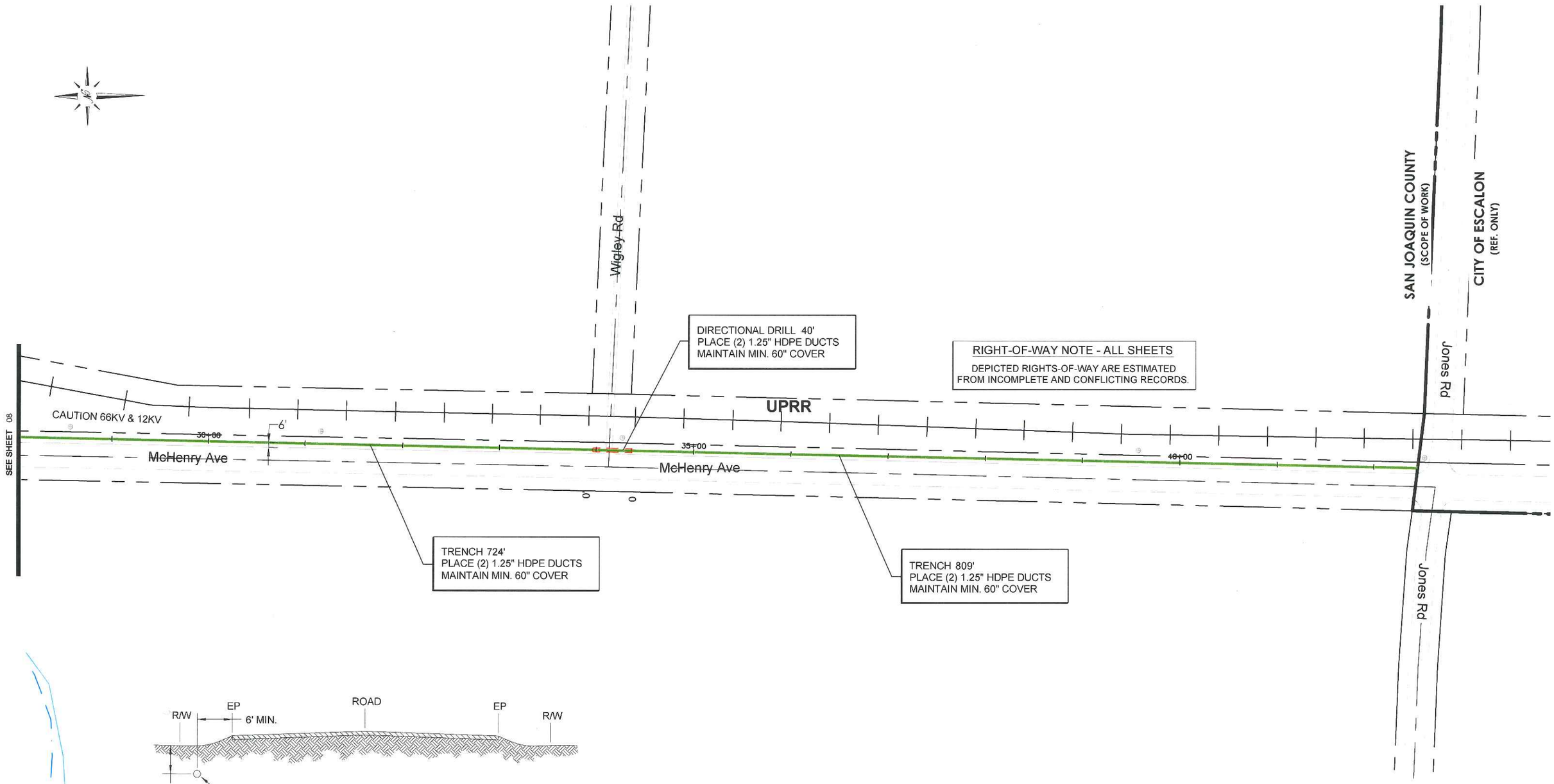

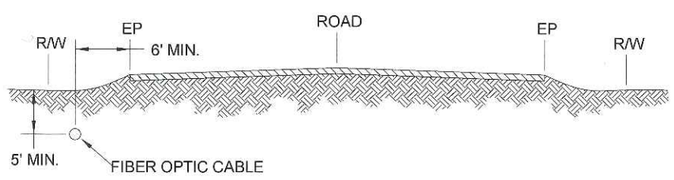

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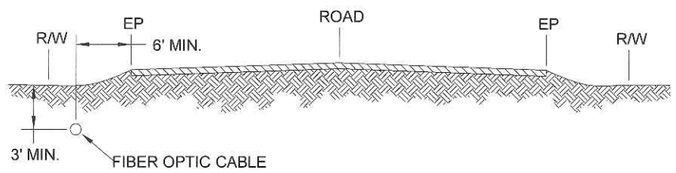

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TYPICAL FIBER PLACEMENT

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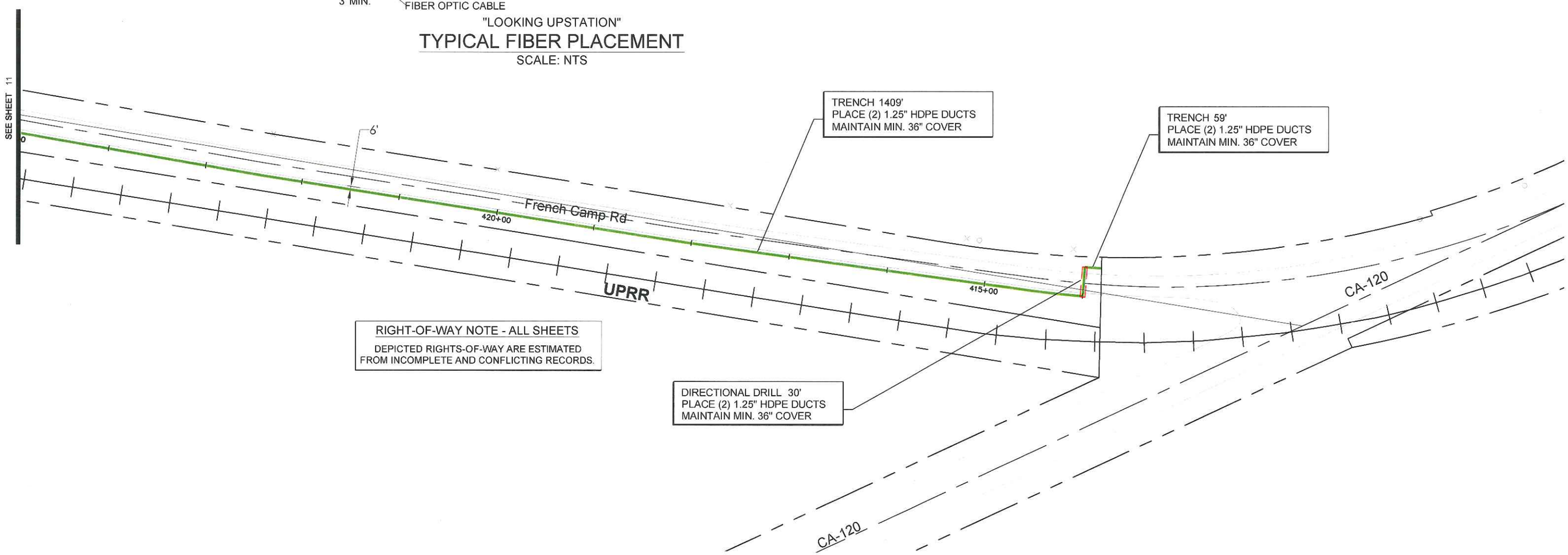

RIGHT-OF-WAY NOTE - ALL SHEETS

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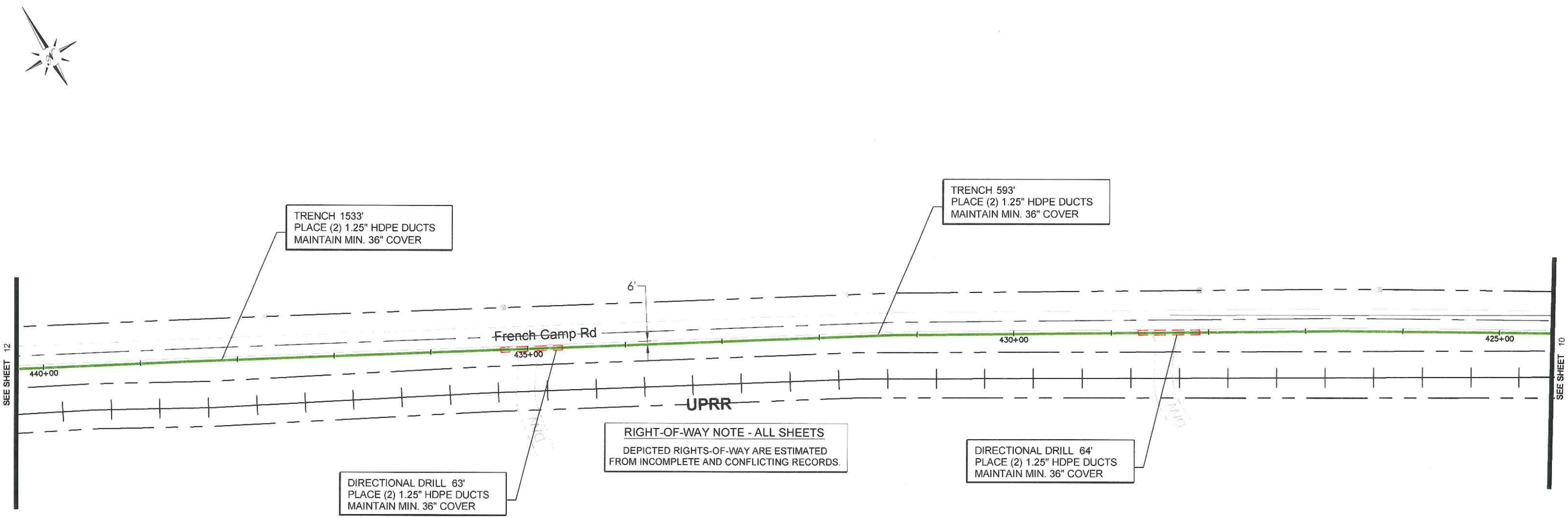
Ph. 209-830-0162
Fax 209-830-8157

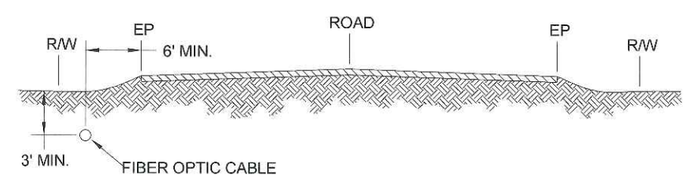
CVIN
CENTRAL VALLEY INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	10	54



RIGHT-OF-WAY NOTE - ALL SHEETS

DEPICTED RIGHTS-OF-WAY ARE ESTIMATED FROM INCOMPLETE AND CONFLICTING RECORDS.



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

PLANS FOR THE INSTALLATION OF UNDERGROUND FIBER OPTIC FACILITIES

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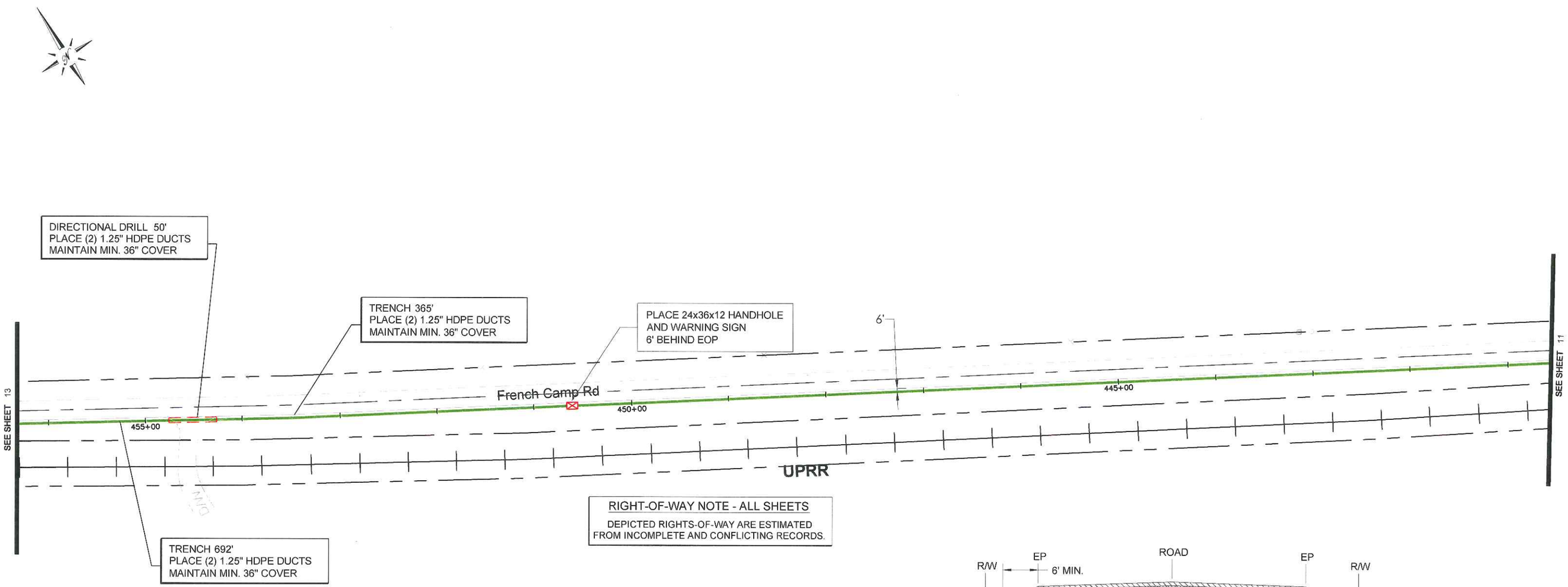
855 M Street, Suite 1120, Fresno, CA 93721

DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	11	54



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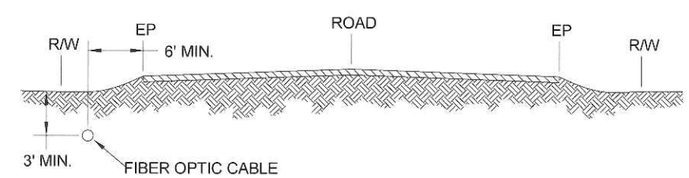

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

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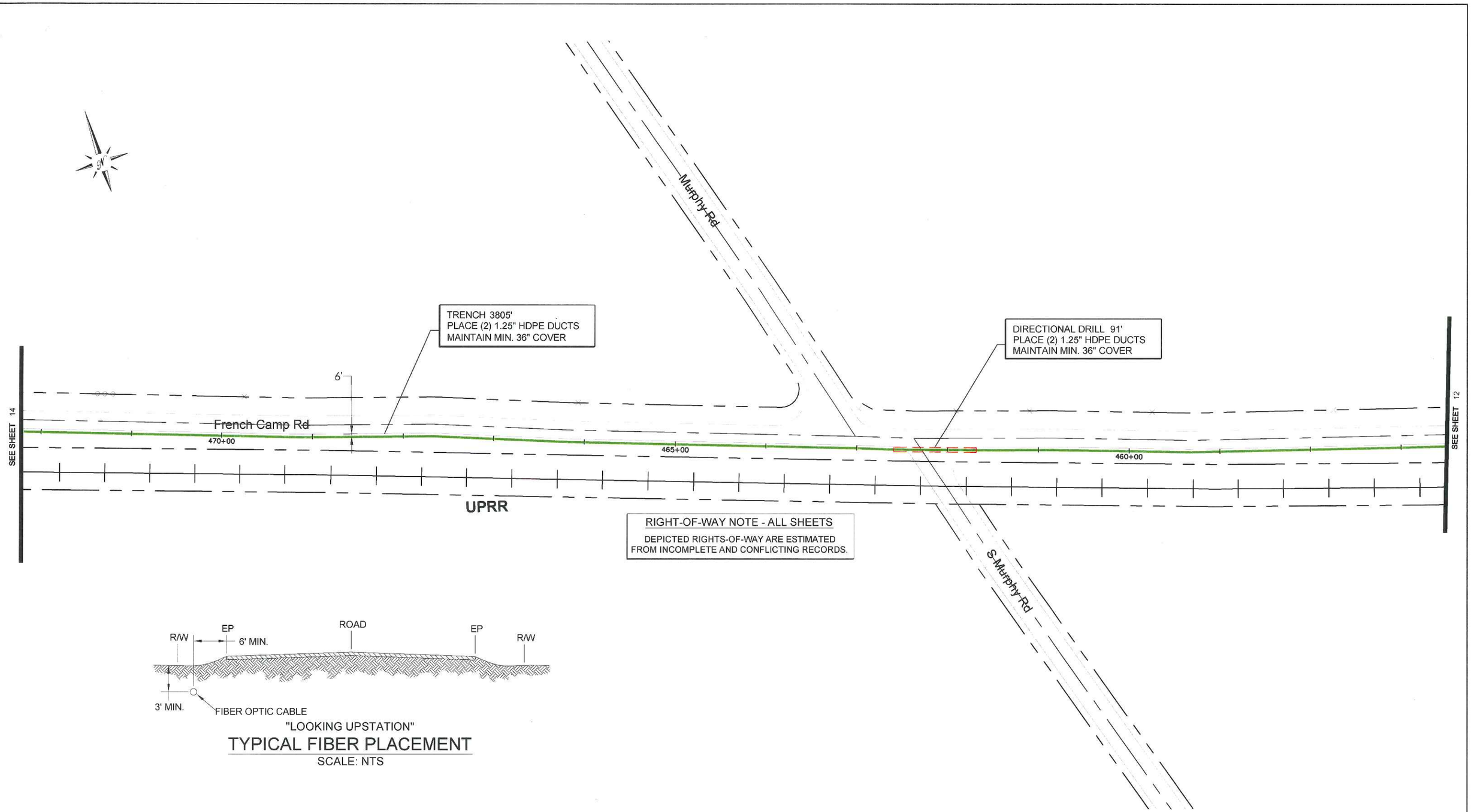
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	12	54



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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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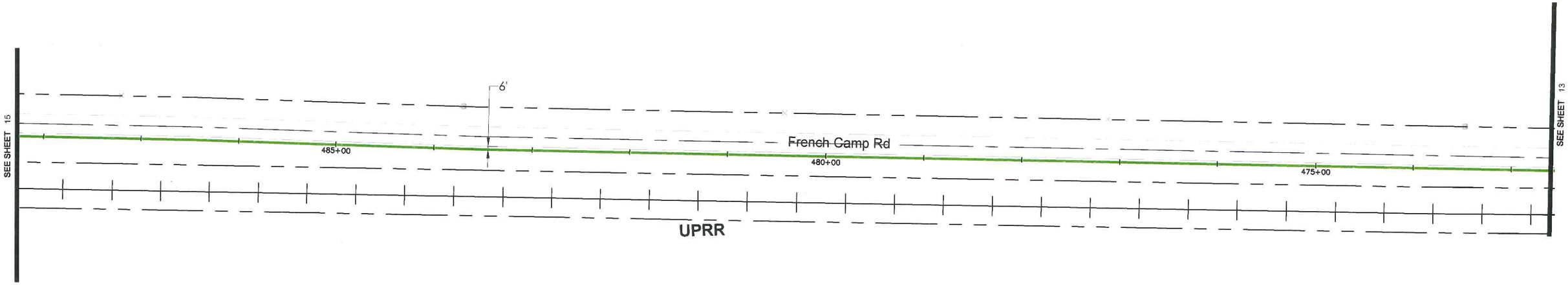
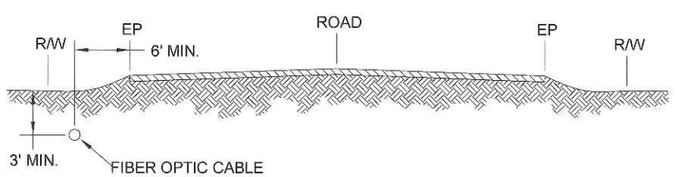
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	13	54





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TYPICAL FIBER PLACEMENT

SCALE: NTS

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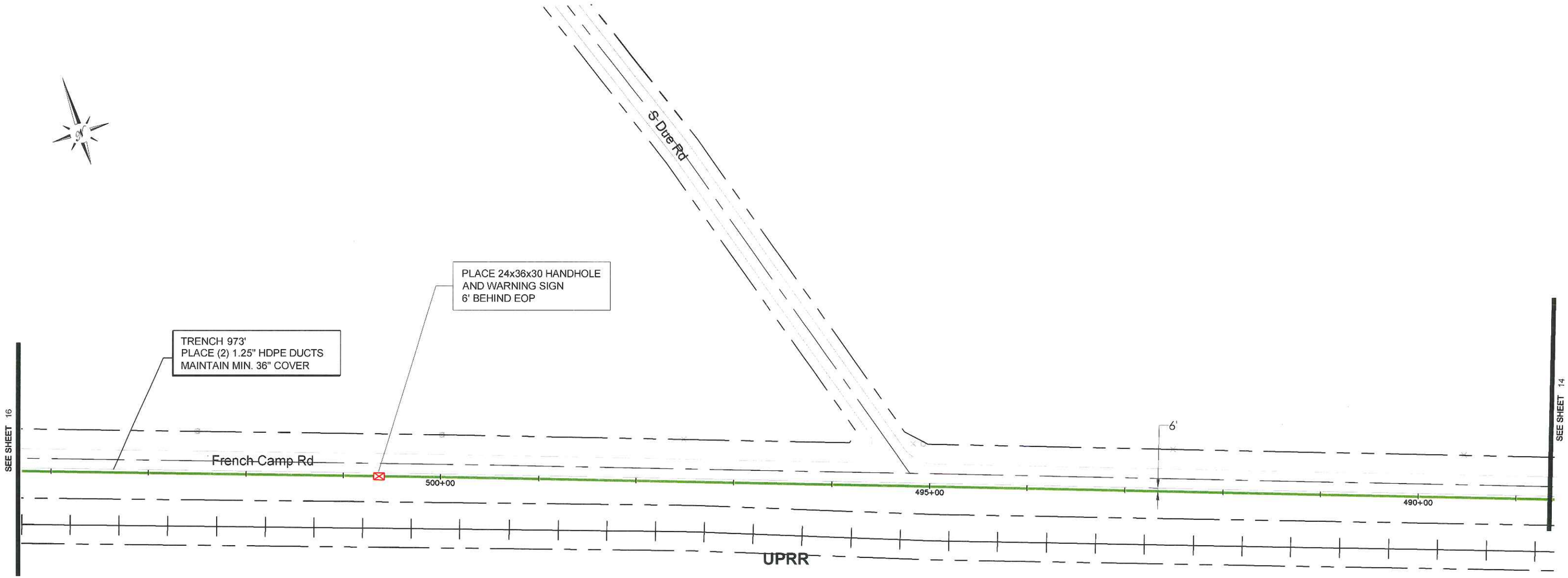
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	14	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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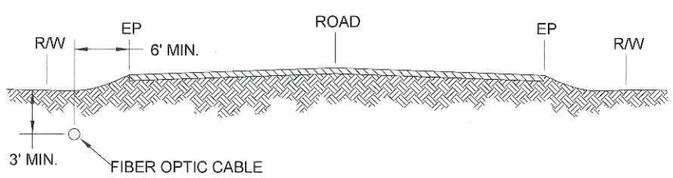

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

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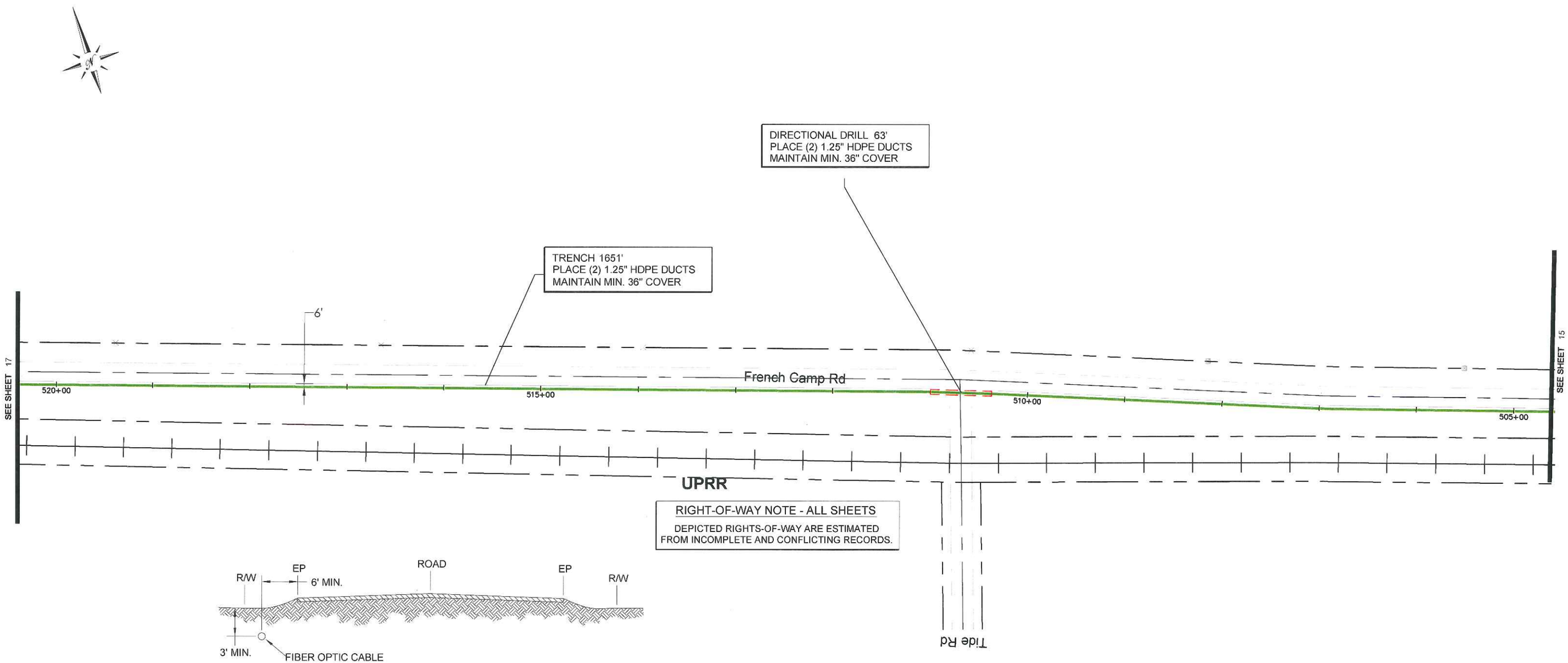
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	15	54



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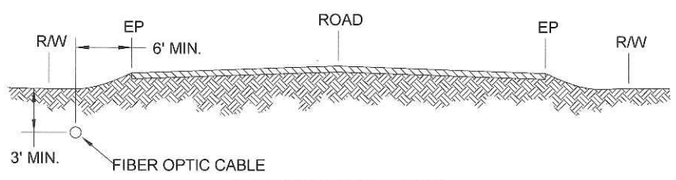

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TYPICAL FIBER PLACEMENT

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DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	16	54

TRENCH 2234'
PLACE (2) 1.25" HDPE DUCTS
MAINTAIN MIN. 36" COVER

DIRECTIONAL DRILL 83'
PLACE (2) 1.25" HDPE DUCTS
MAINTAIN MIN. 36" COVER

SEE SHEET 18

6'

535+00

~~French Camp Rd~~

530+00

525+00

SEE SHEET 16

UPRR

N Ripon Rd

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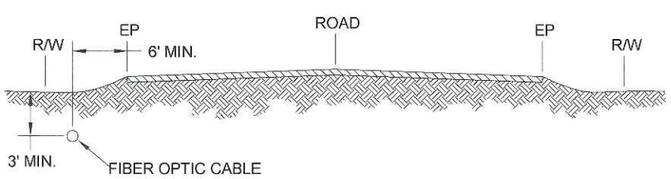

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

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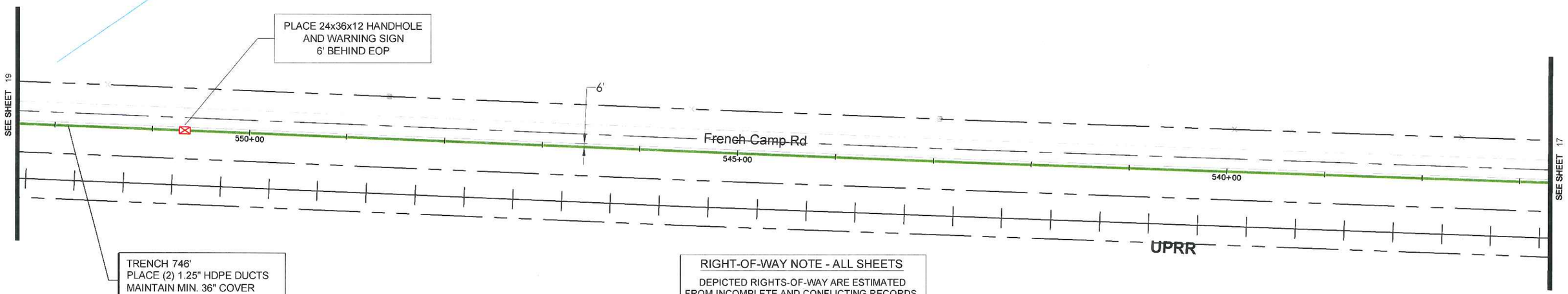
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	17	54



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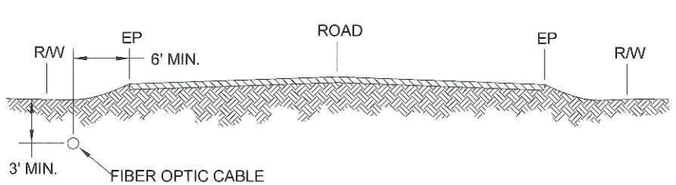

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

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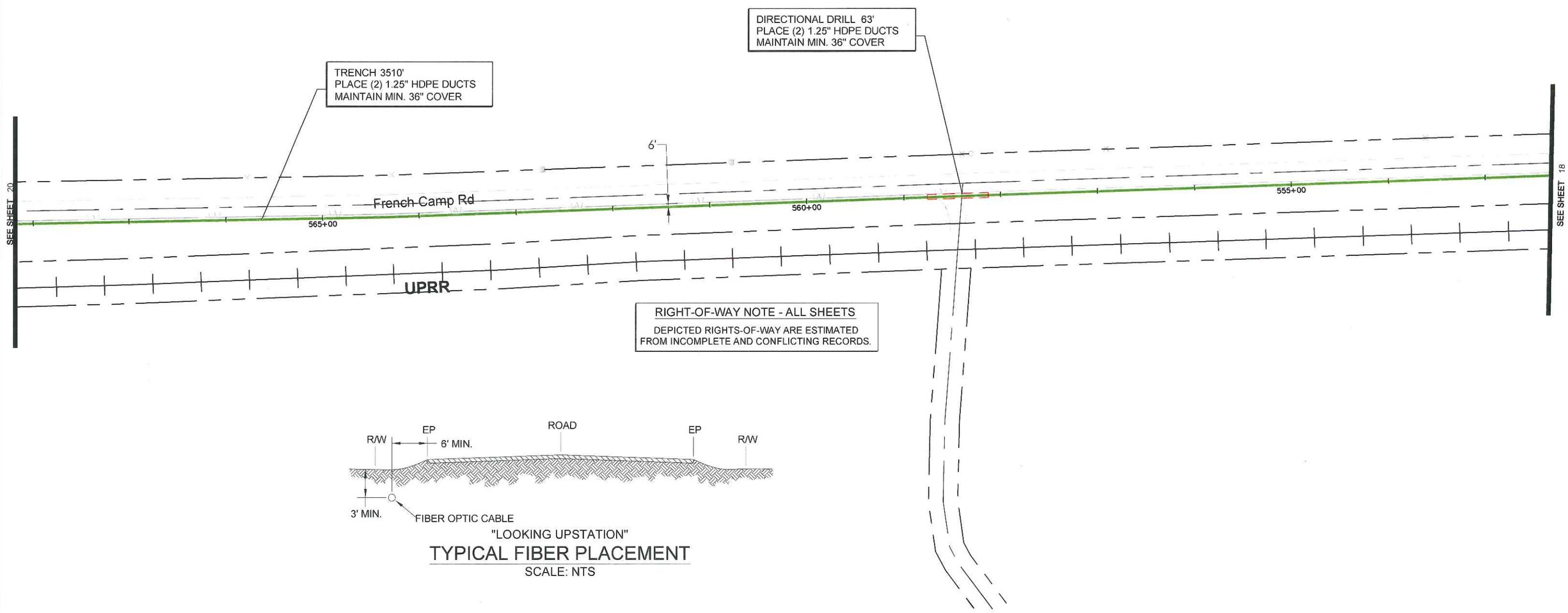
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	18	54



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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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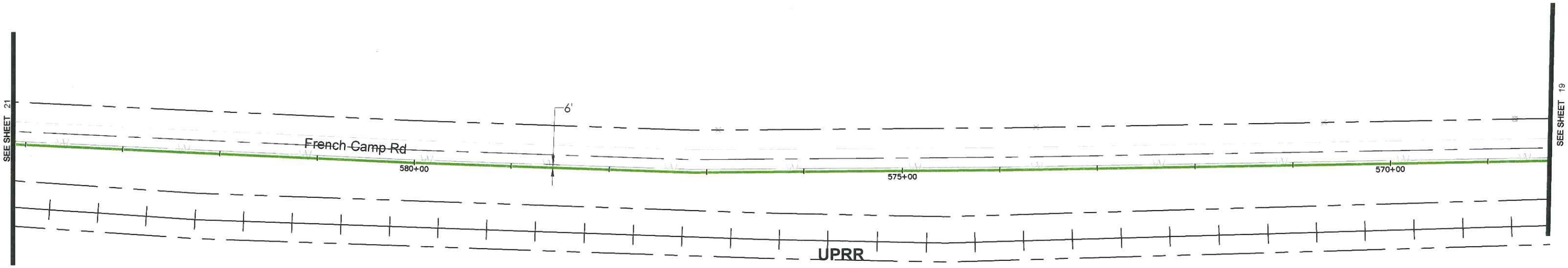
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	19	54



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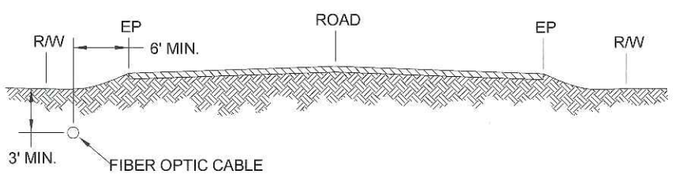

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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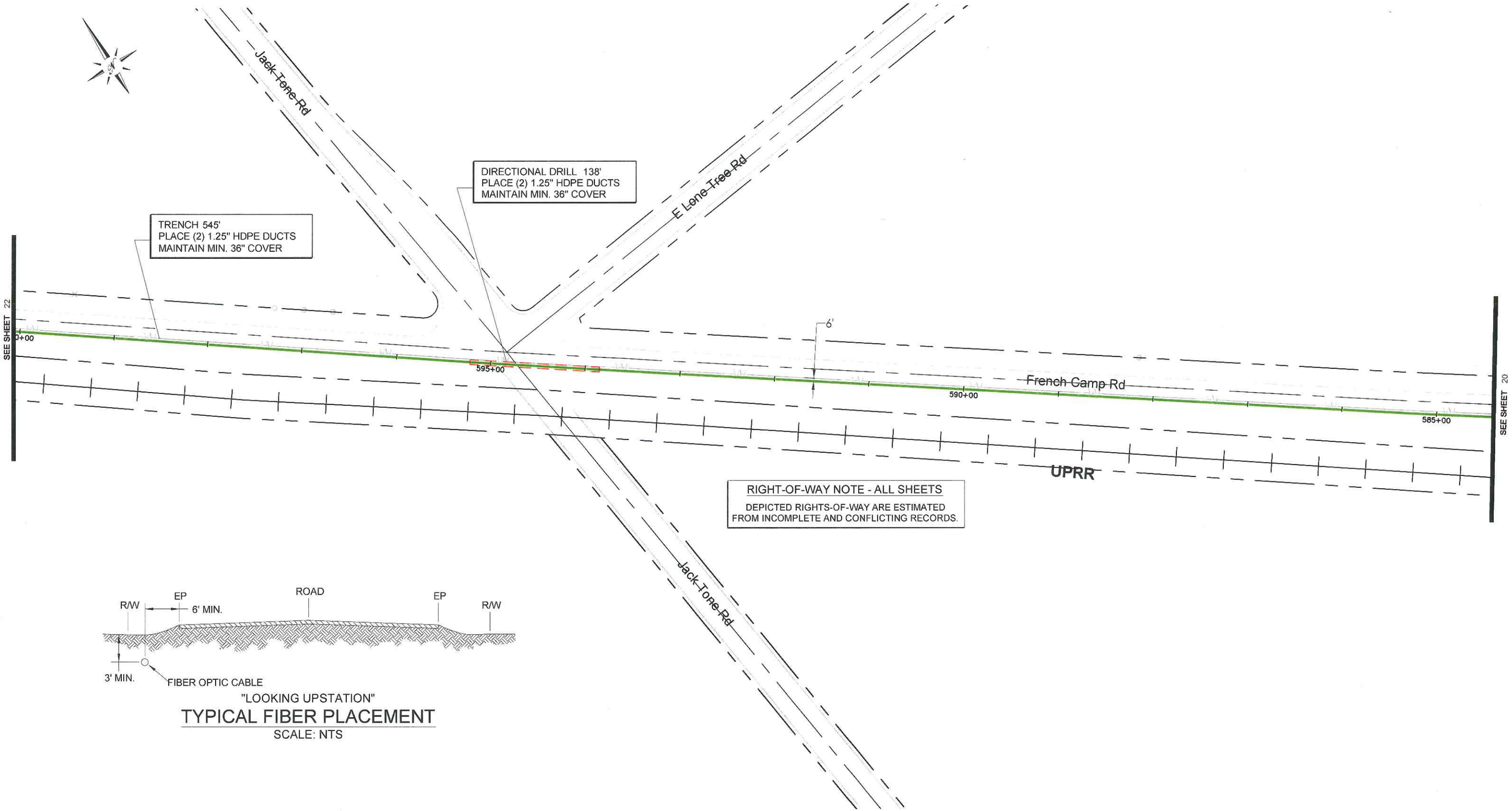
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	20	54



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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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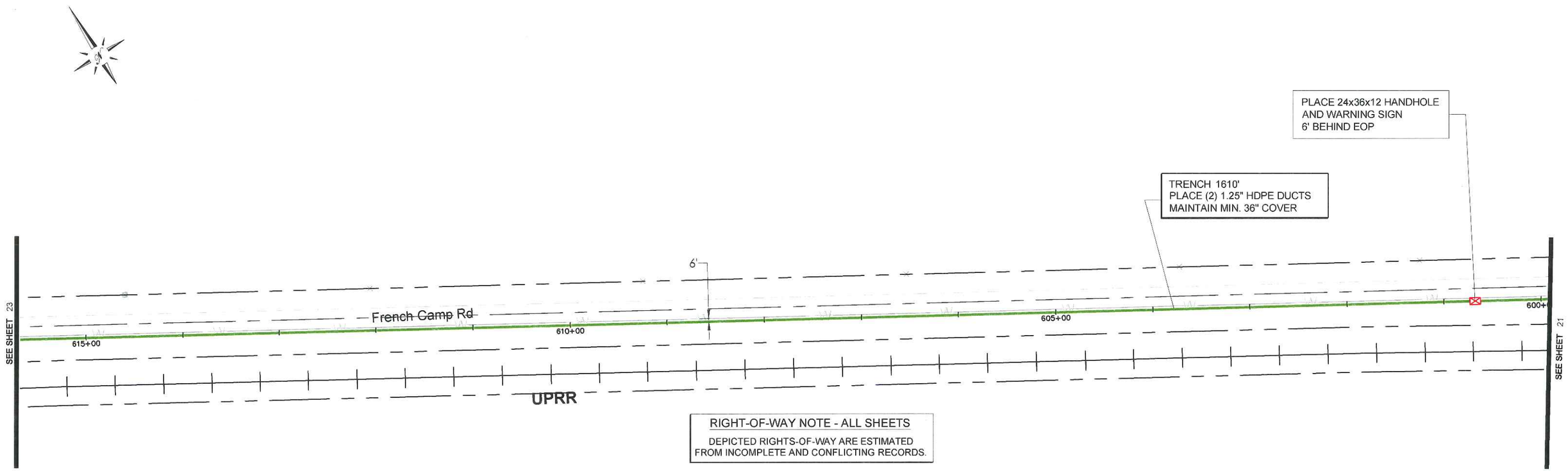
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	21	54



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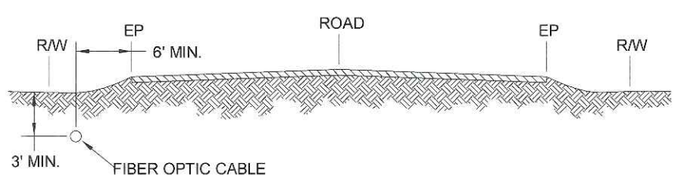

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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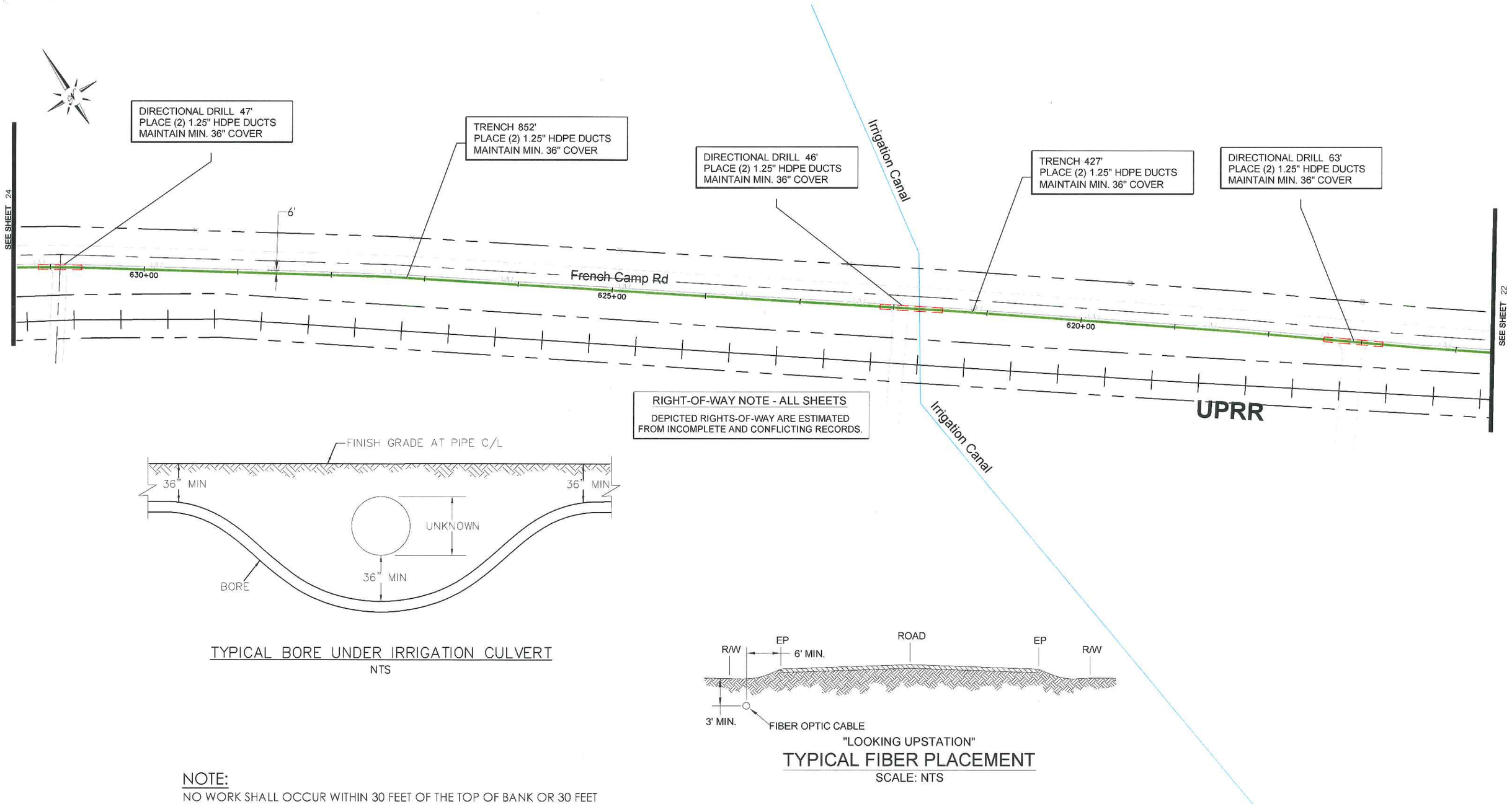
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	22	54



TYPICAL BORE UNDER IRRIGATION CULVERT
NTS

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT
SCALE: NTS

NOTE:
NO WORK SHALL OCCUR WITHIN 30 FEET OF THE TOP OF BANK OR 30 FEET FROM THE LANDSIDE TOE OF THE LEVEE (WHERE A LEVEE EXIST) UNTIL SUCH TIME ALL REQUIRED STATE AND COUNTY PERMITS ARE OBTAINED AS CONFIRMED BY THE FLOOD MANAGEMENT DIVISION OF THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS
(PHONE: 209-468-3605)

CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

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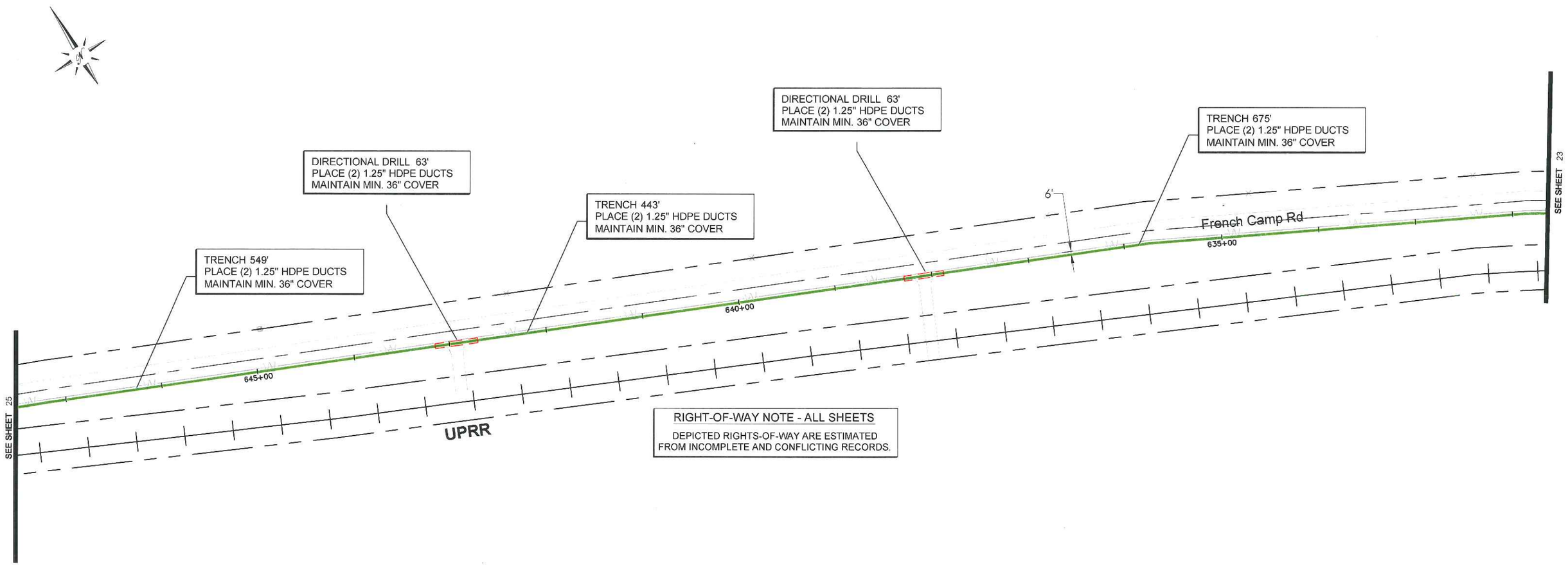
1/23/2012	1" = 100'	17 STOCKTON SOUTH	23	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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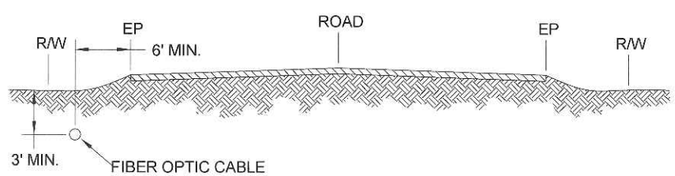

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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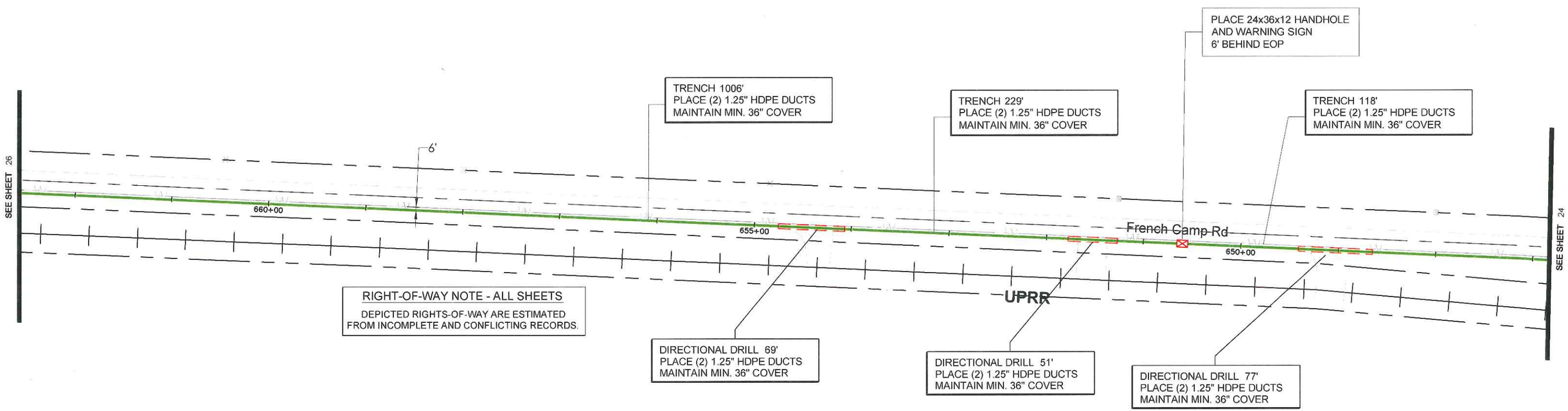
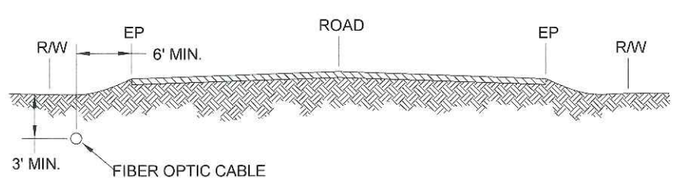
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	24	54





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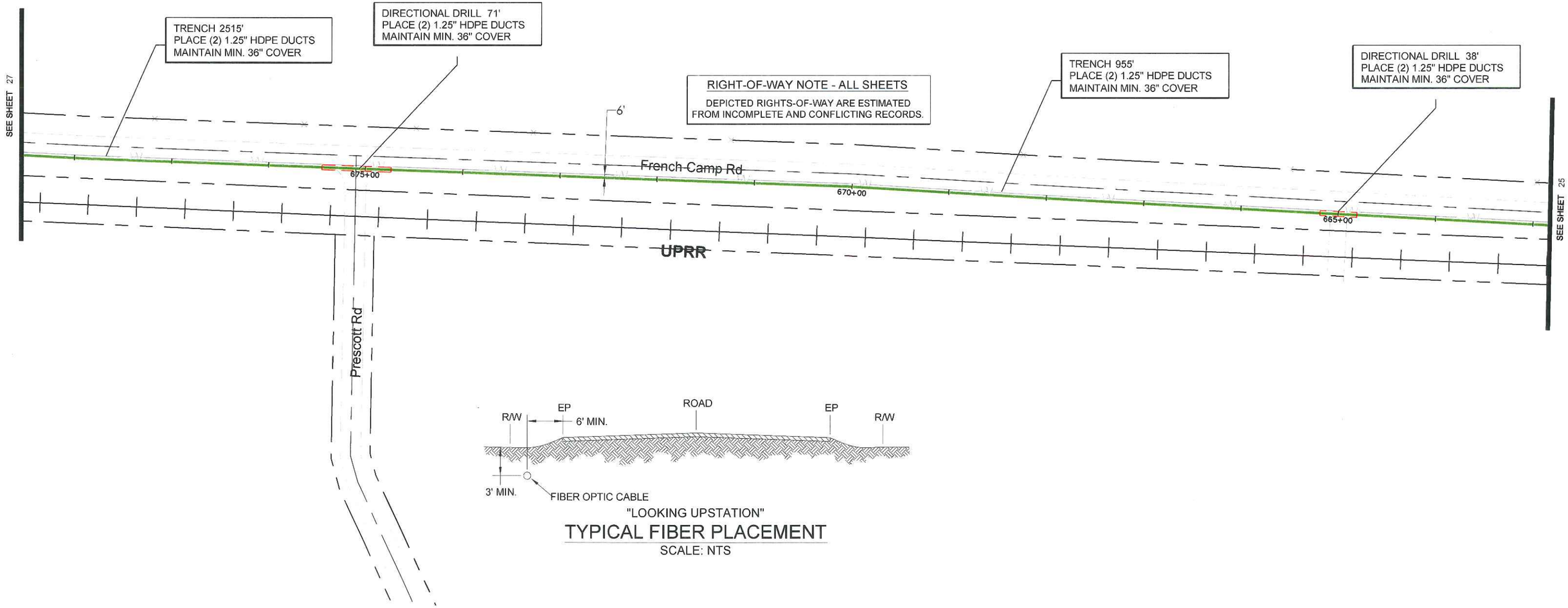
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	25	54



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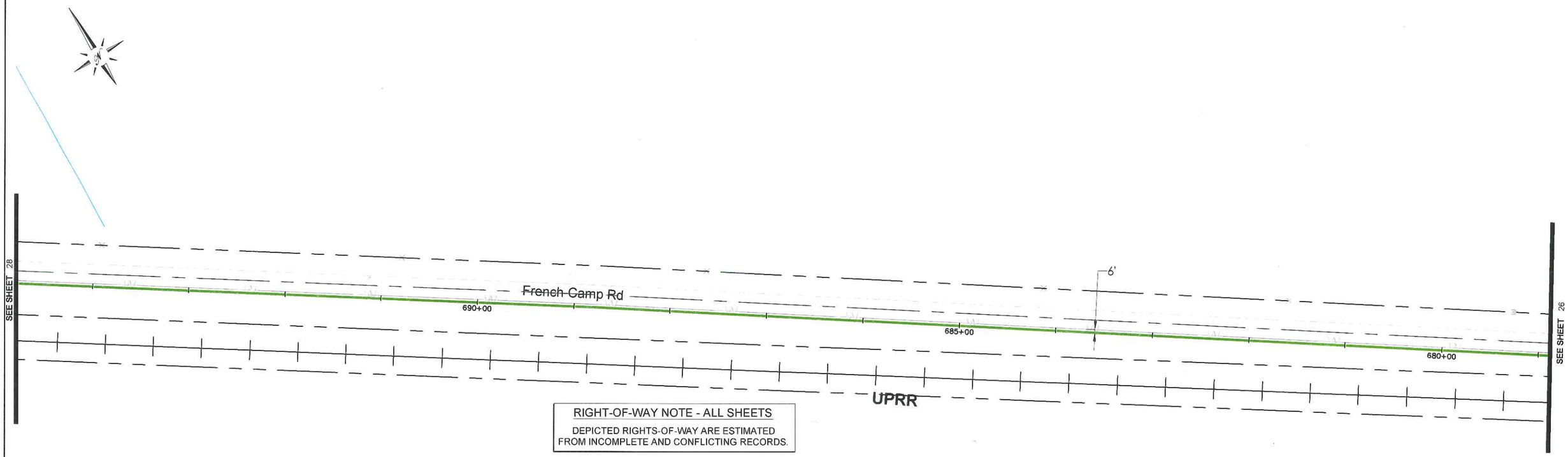
1/23/2012	1" = 100'	17 STOCKTON SOUTH	26	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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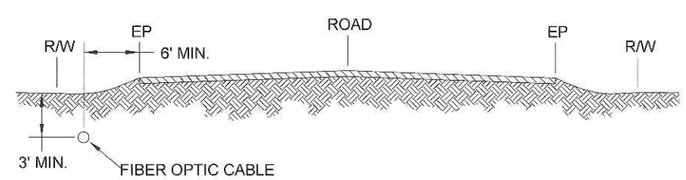


"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

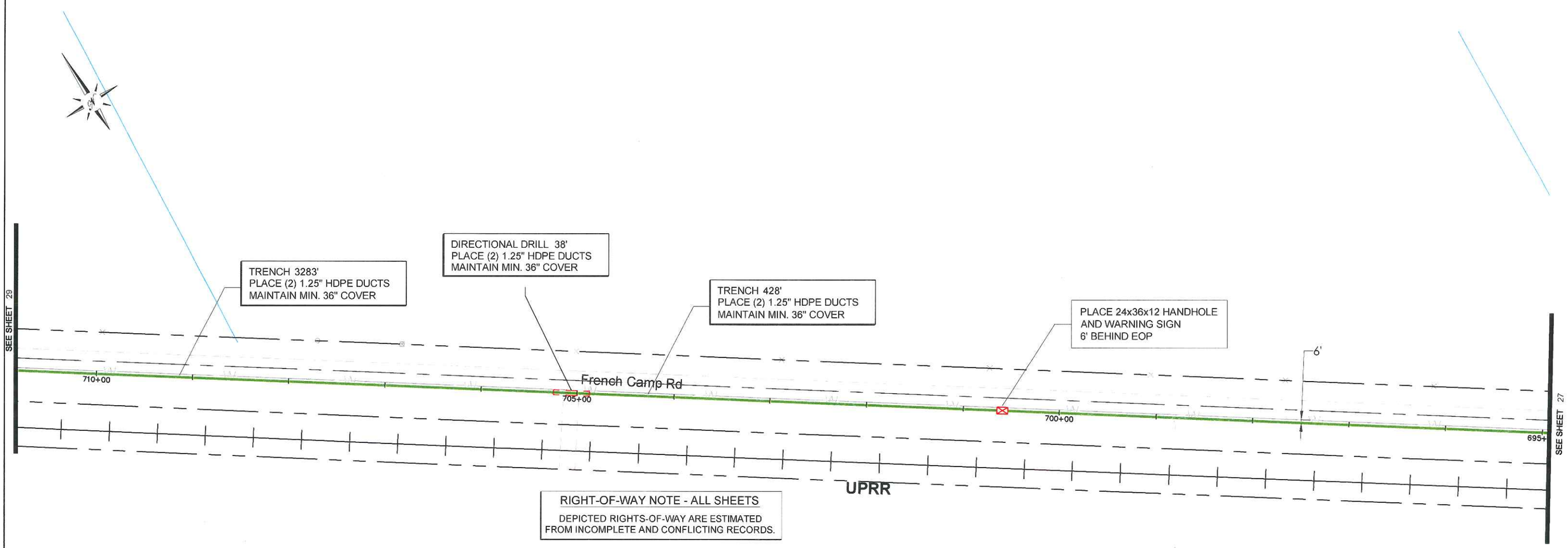
REV	DATE	DESCRIPTION	BY	CKD	APPV'D

PLANS FOR THE INSTALLATION OF UNDERGROUND FIBER OPTIC FACILITIES

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
Ph. 209-830-0162
Fax 209-830-8157

CVIN
CENTRAL VALLEY INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	27	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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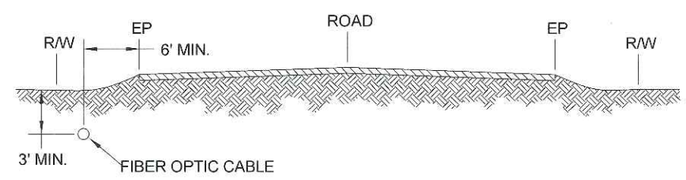

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

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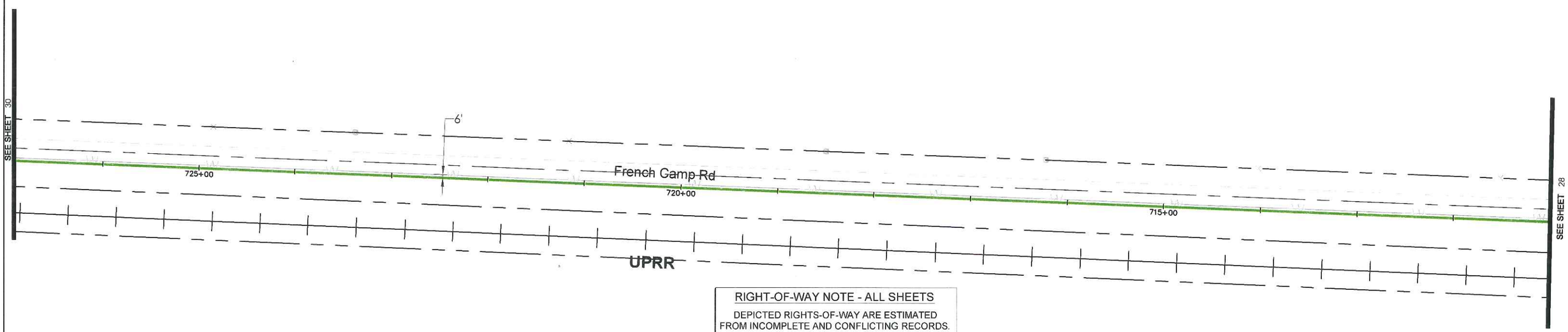
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	28	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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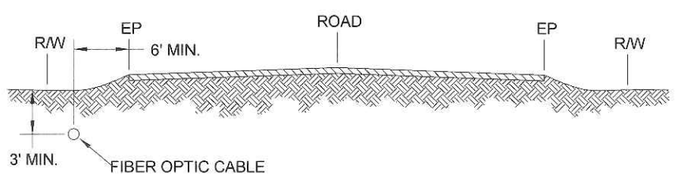

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

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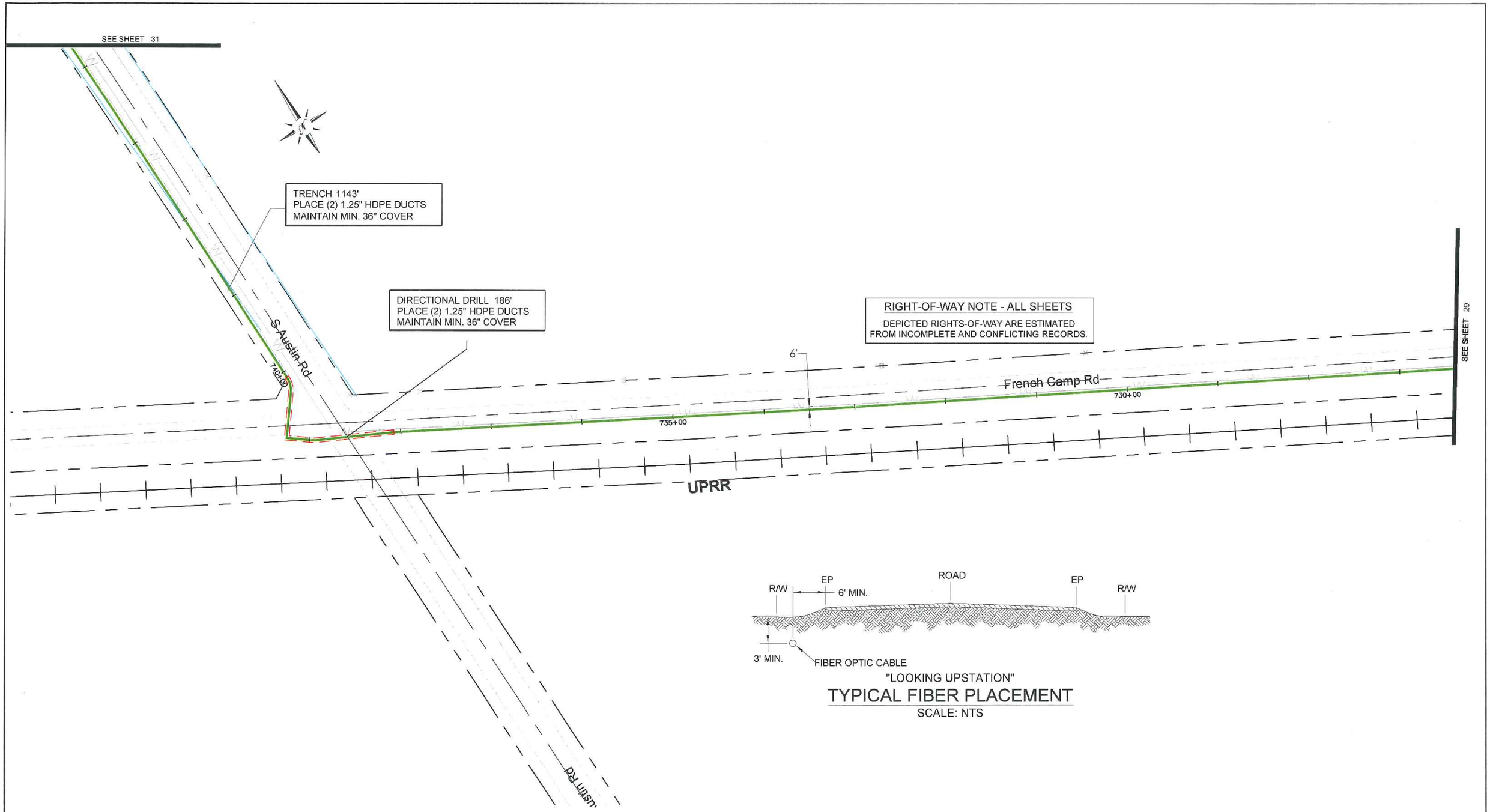
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	29	54



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

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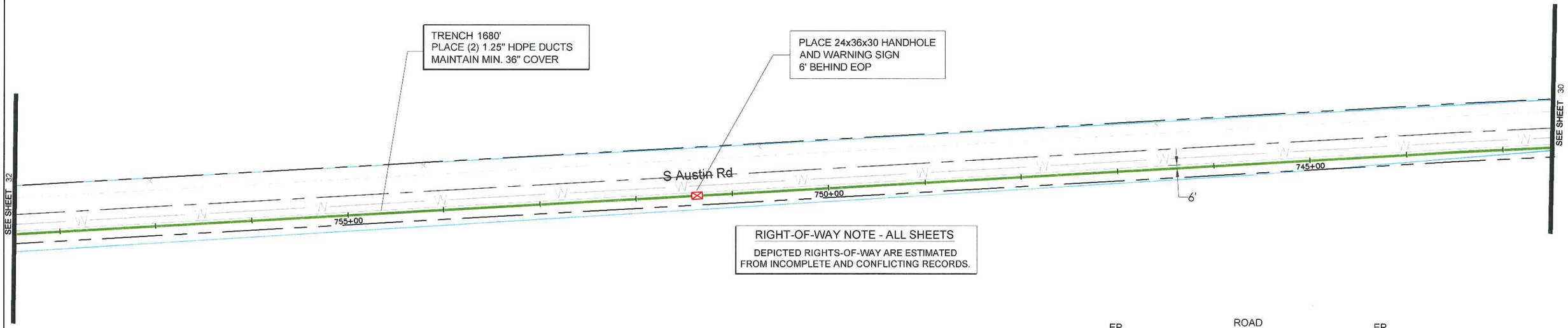
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	30	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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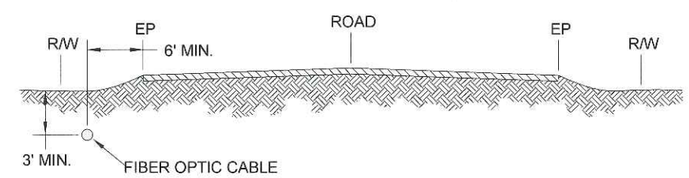

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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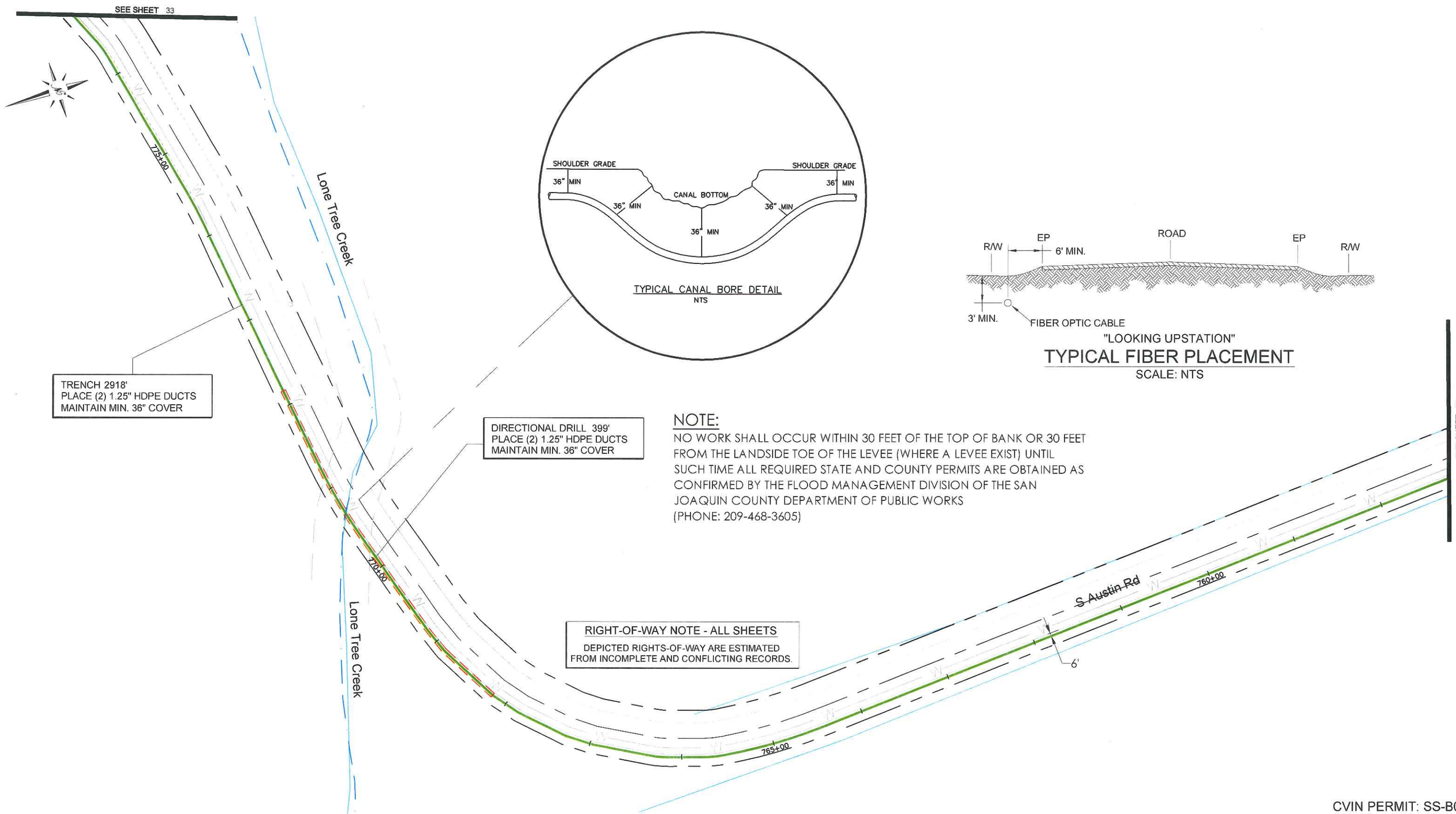
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	31	54



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RIGHT-OF-WAY NOTE - ALL SHEETS

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CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

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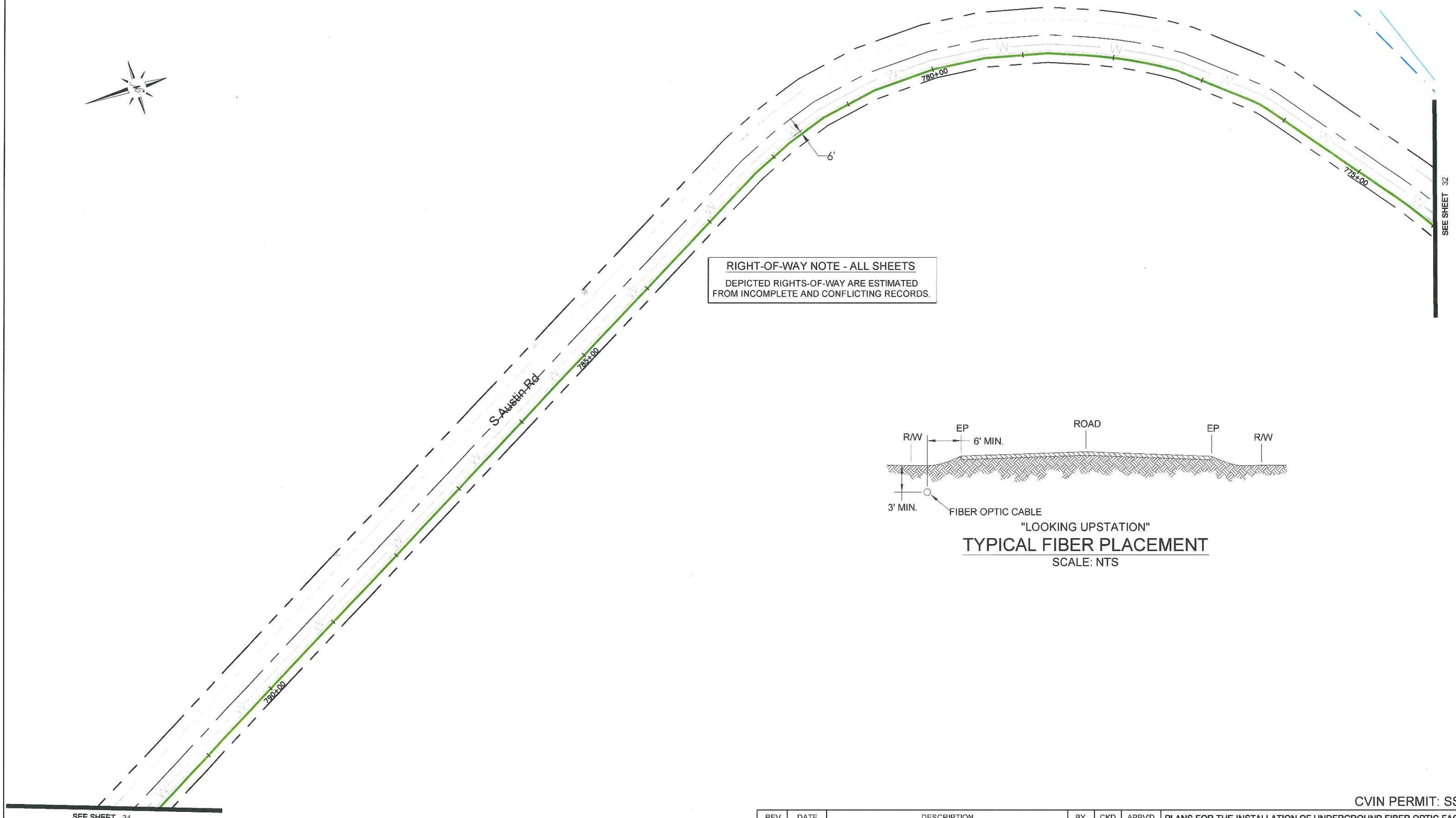
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	32	54



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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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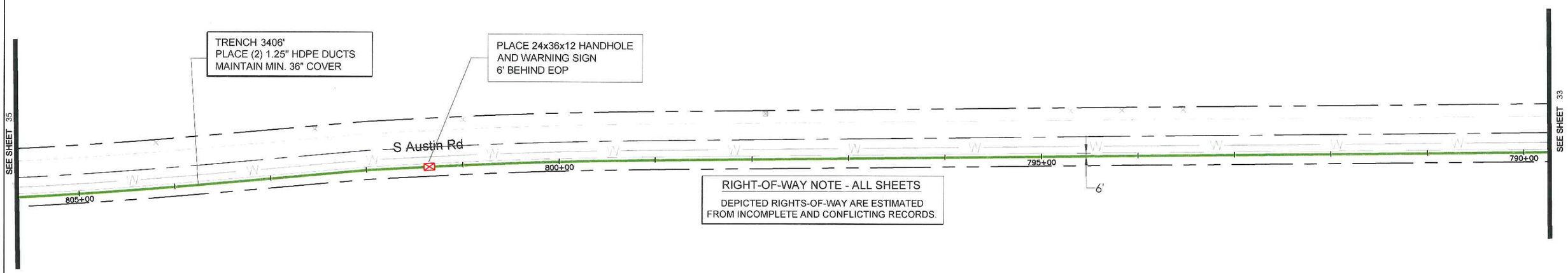
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	33	54



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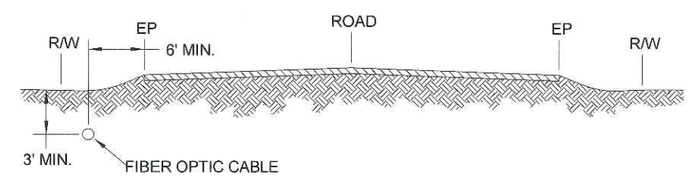

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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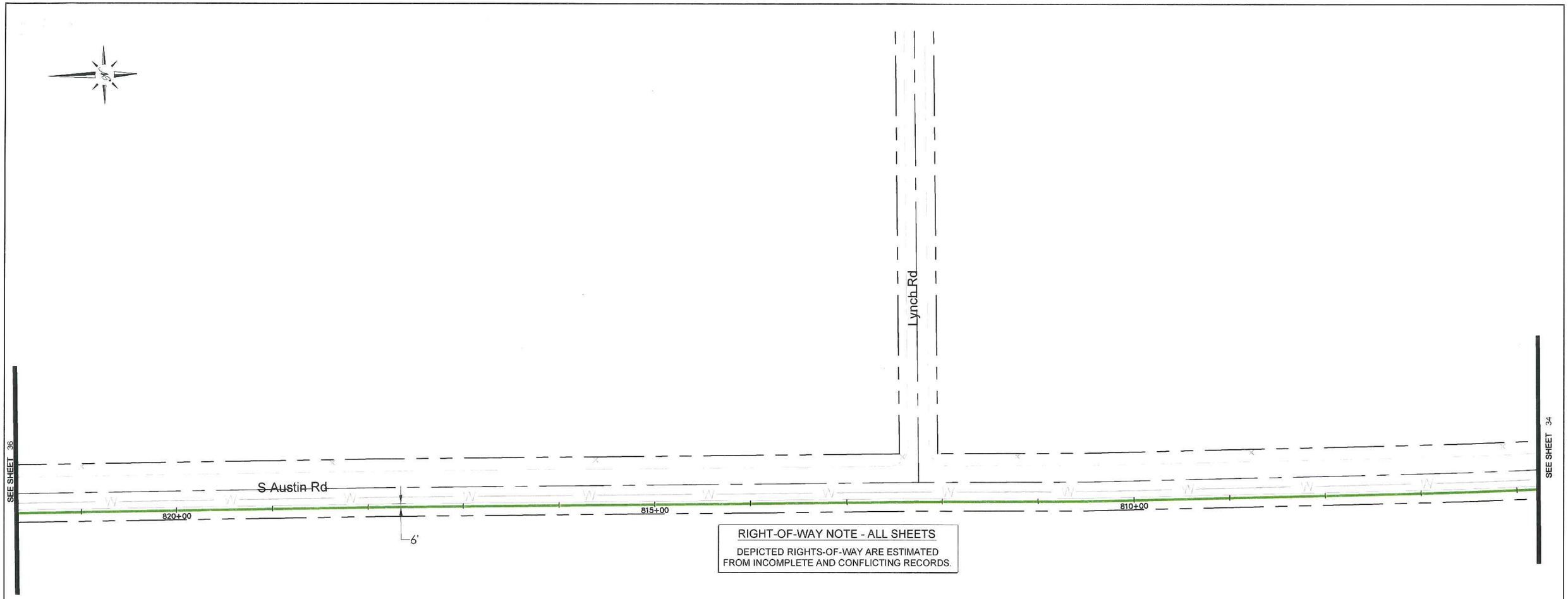
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	34	54



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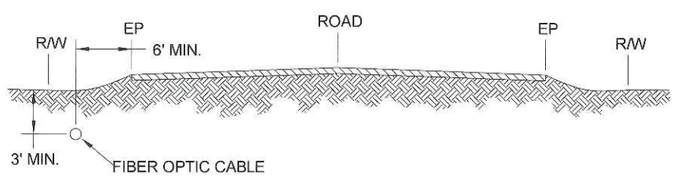

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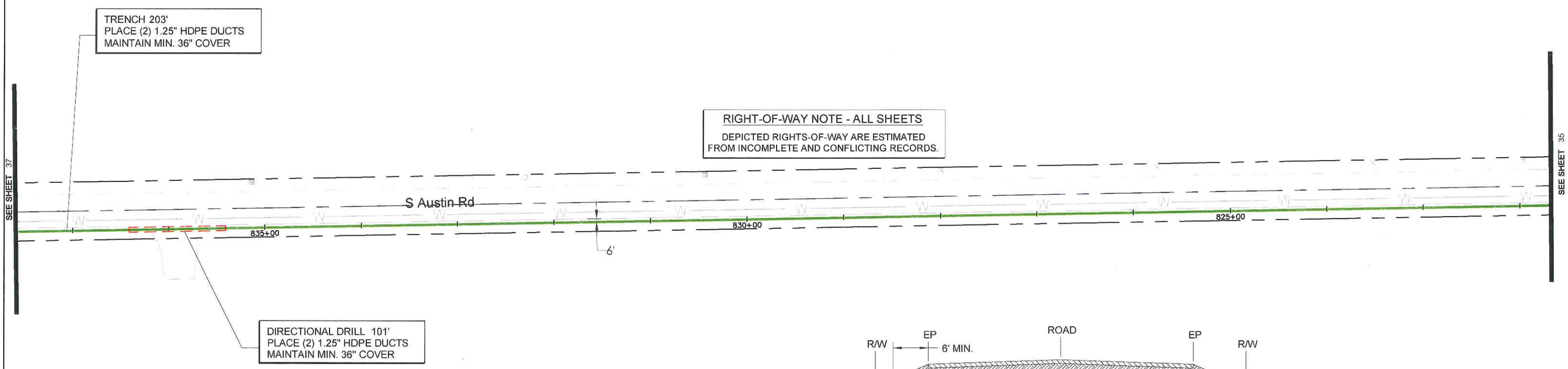
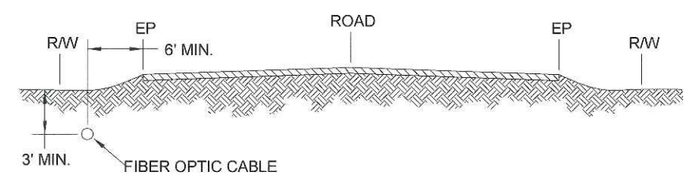
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	35	54





"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	36	54

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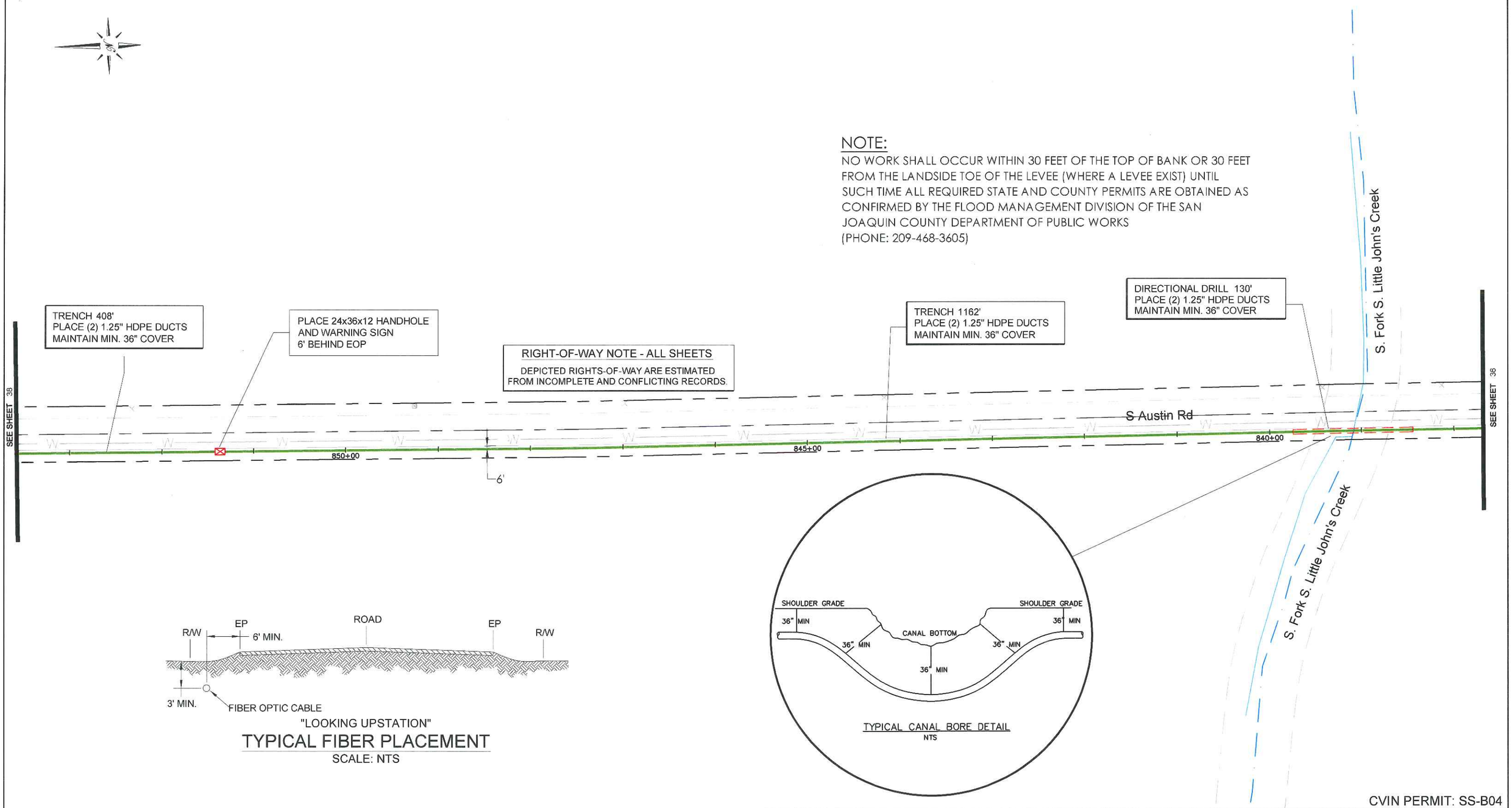

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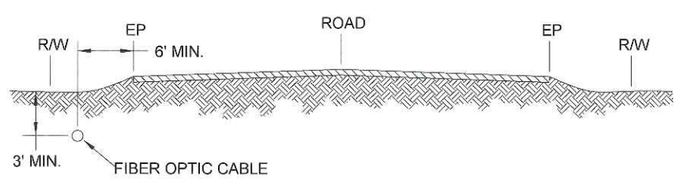
1/23/2012	1" = 100'	17 STOCKTON SOUTH	37	54



"LOOKING UPSTATION"

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1/23/2012	1" = 100'	17 STOCKTON SOUTH	38	54

RIGHT-OF-WAY NOTE - ALL SHEETS

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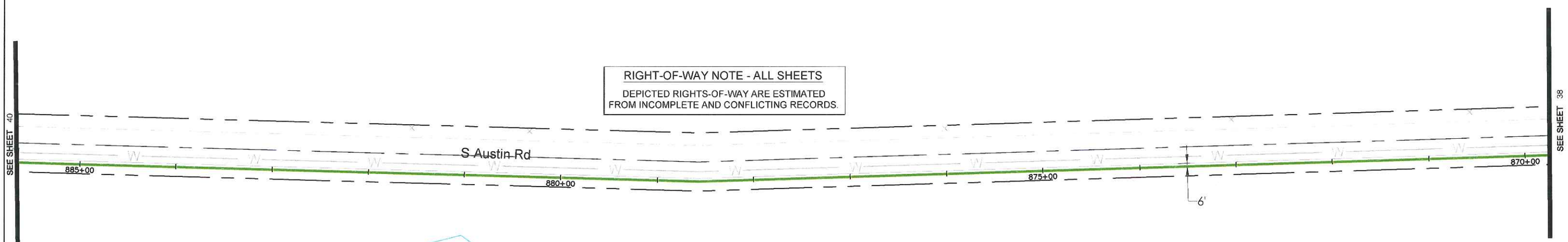

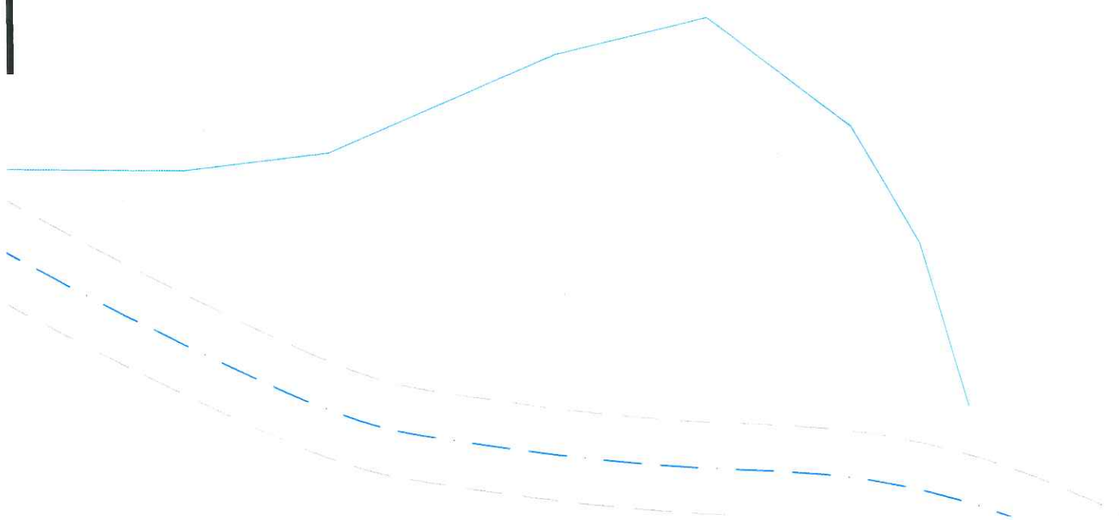

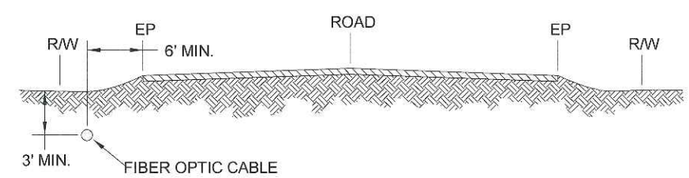

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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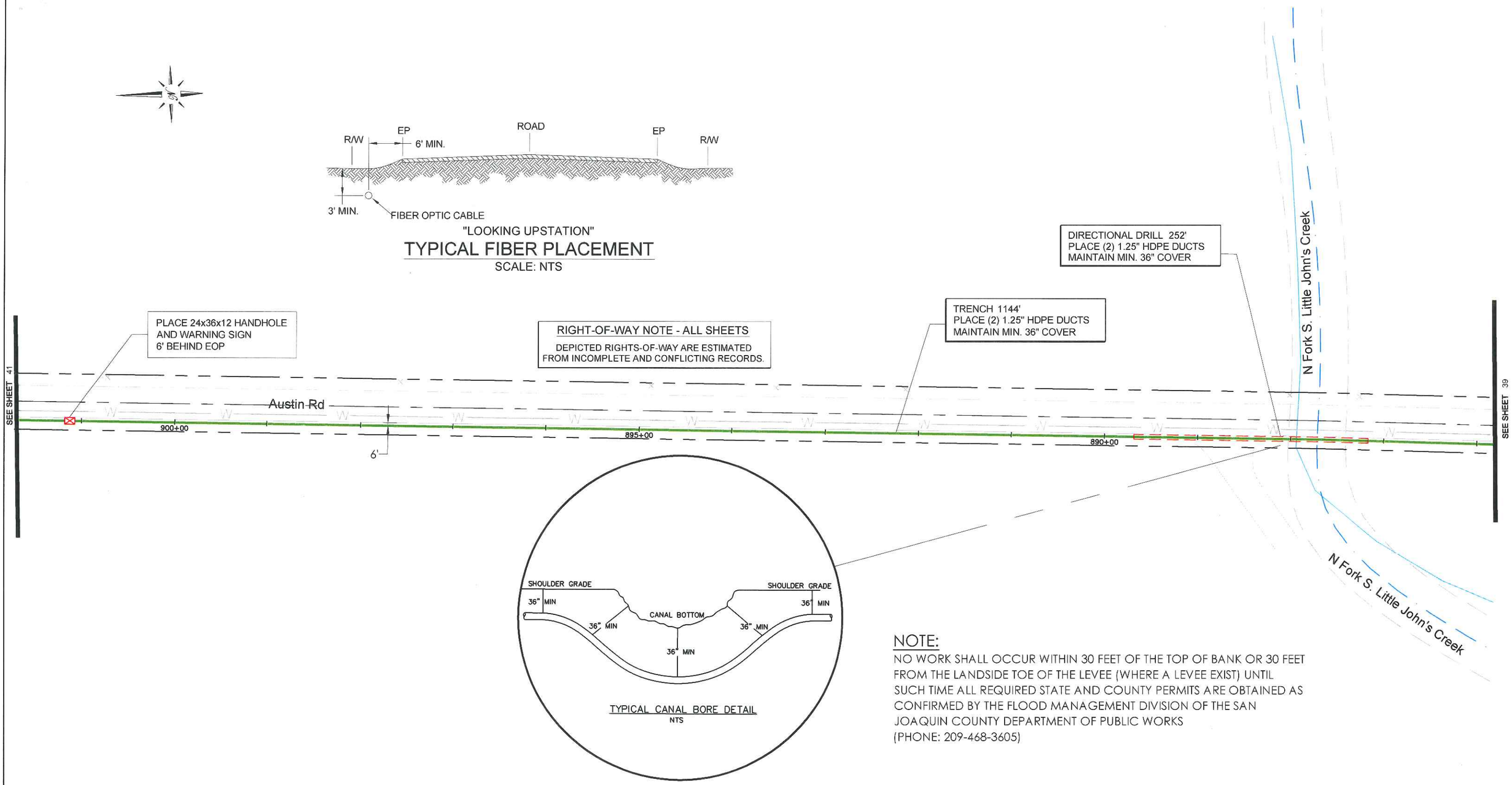
1/23/2012	1" = 100'	17 STOCKTON SOUTH	39	54

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS



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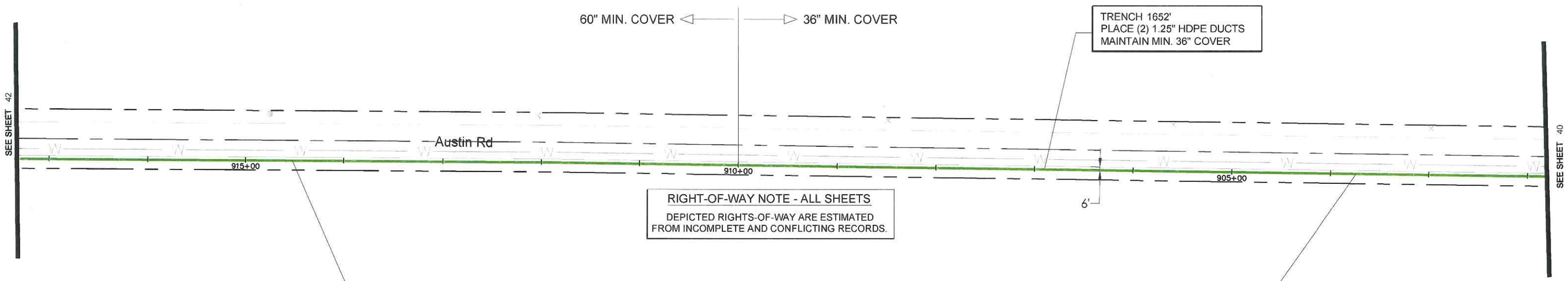
1/23/2012	1" = 100'	17 STOCKTON SOUTH	40	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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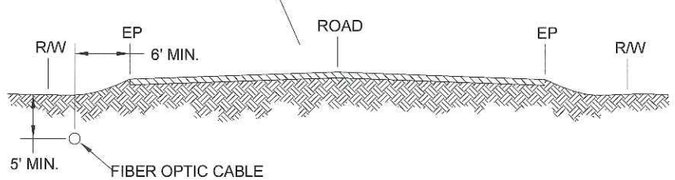

"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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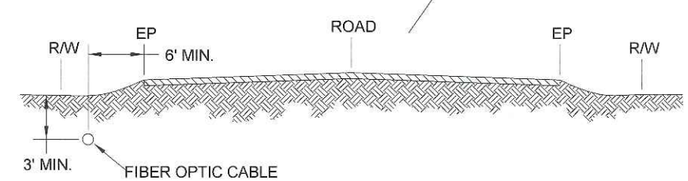

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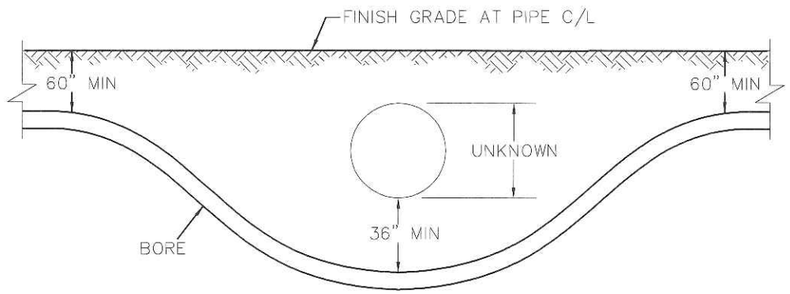

TYPICAL BORE UNDER IRRIGATION CULVERT

NTS

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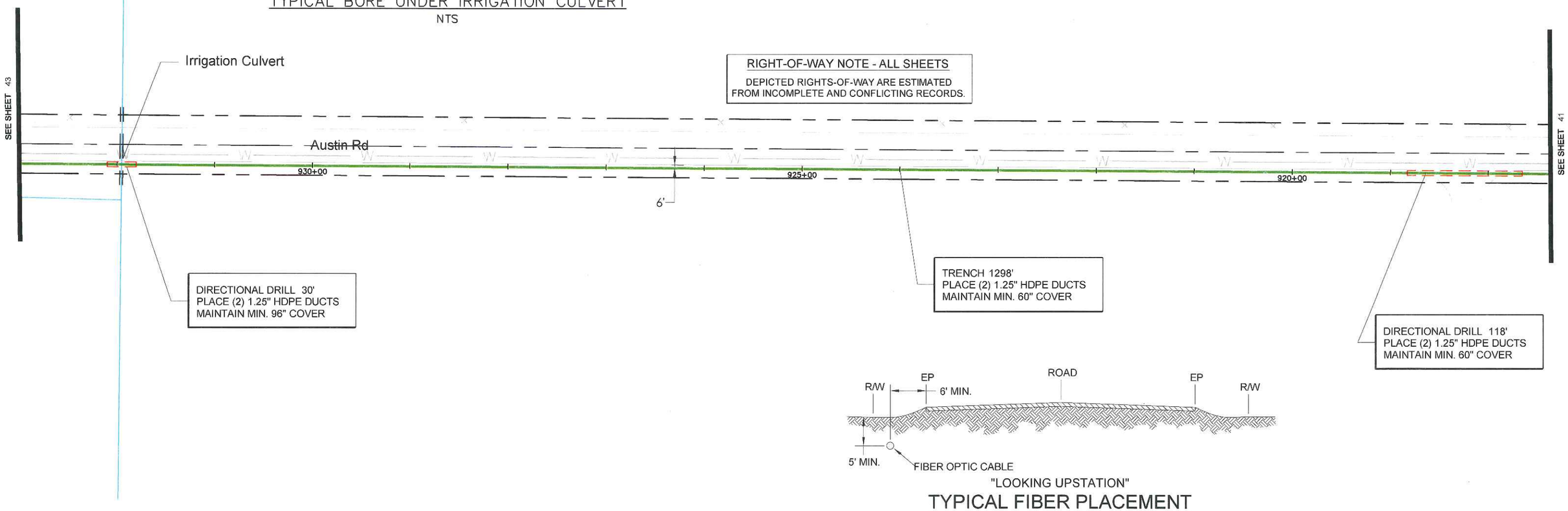

"LOOKING UPSTATION"

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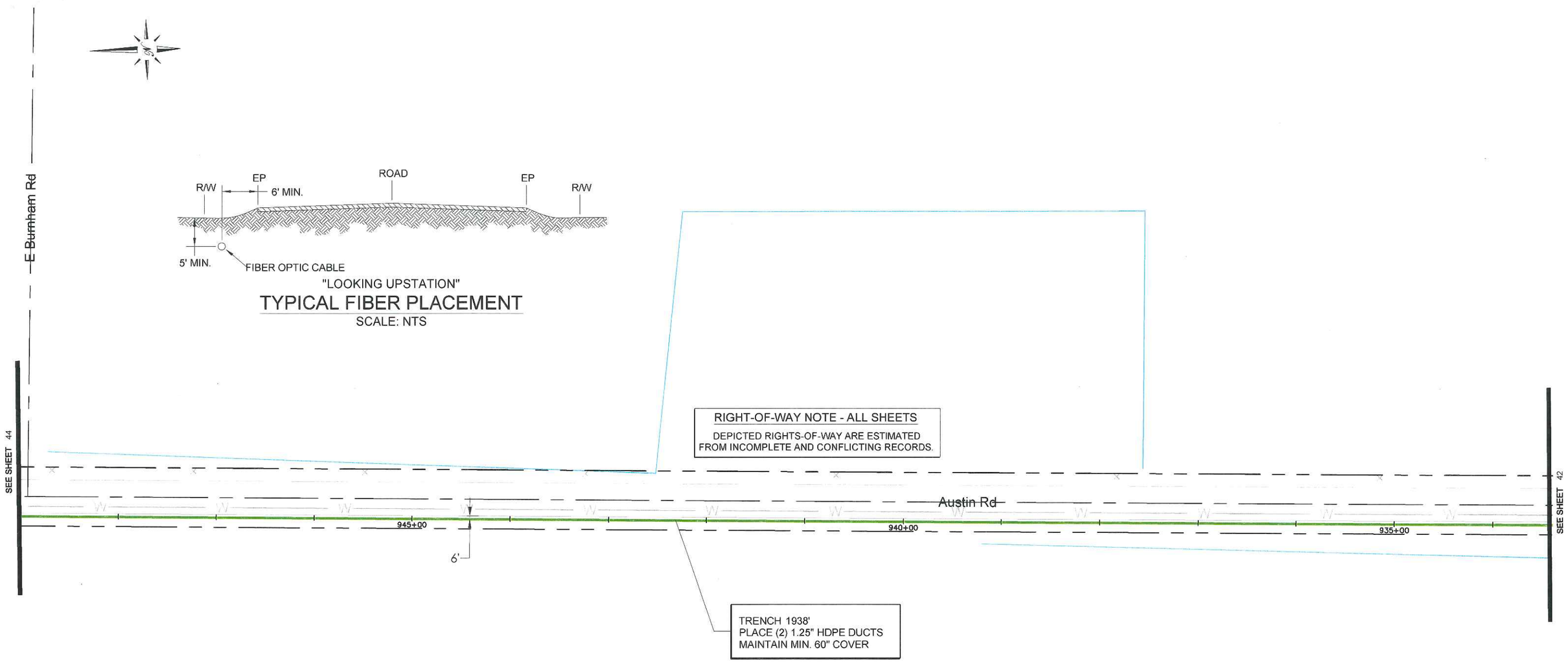
"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS



CVIN PERMIT: SS-B04

REV	DATE	DESCRIPTION	BY	CKD	APPV'D

PLANS FOR THE INSTALLATION OF UNDERGROUND FIBER OPTIC FACILITIES

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
Ph. 209-830-0162
Fax 209-830-8157

CVIN
CENTRAL VALLEY INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	43	54

DIRECTIONAL DRILL 106'
PLACE (2) 1.25" HDPE DUCTS
MAINTAIN MIN. 60" COVER

TRENCH 578'
PLACE (2) 1.25" HDPE DUCTS
MAINTAIN MIN. 60" COVER

PLACE 24x36x12 HANDHOLE
AND WARNING SIGN
6' BEHIND EOP

Austin Rd

955+00

950+00

6'

SEE SHEET 43

RIGHT-OF-WAY NOTE - ALL SHEETS

DEPICTED RIGHTS-OF-WAY ARE ESTIMATED
FROM INCOMPLETE AND CONFLICTING RECORDS.

END 60" MIN. COVER

PLACE 24x36x12 HANDHOLE
AND WARNING SIGN
6' BEHIND EOP

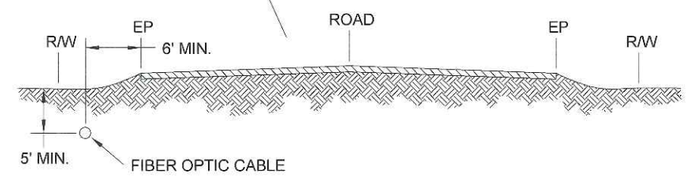
TRENCH 2579'
PLACE (2) 1.25" HDPE DUCTS
MAINTAIN MIN. 36" COVER

960+00

Arch Rd

6'

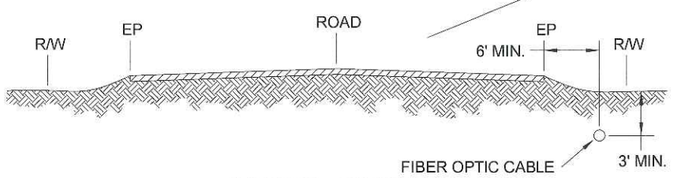
SEE SHEET 45



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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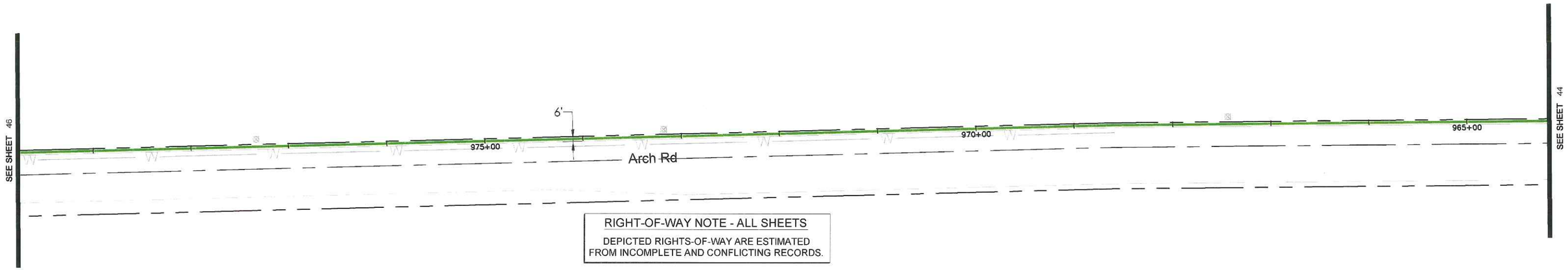
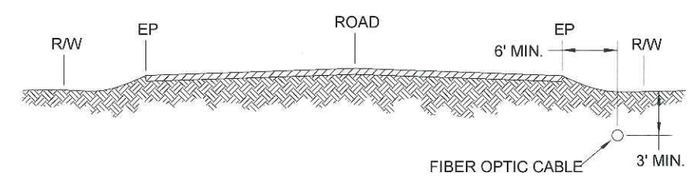
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	44	54



RIGHT-OF-WAY NOTE - ALL SHEETS

DEPICTED RIGHTS-OF-WAY ARE ESTIMATED FROM INCOMPLETE AND CONFLICTING RECORDS.



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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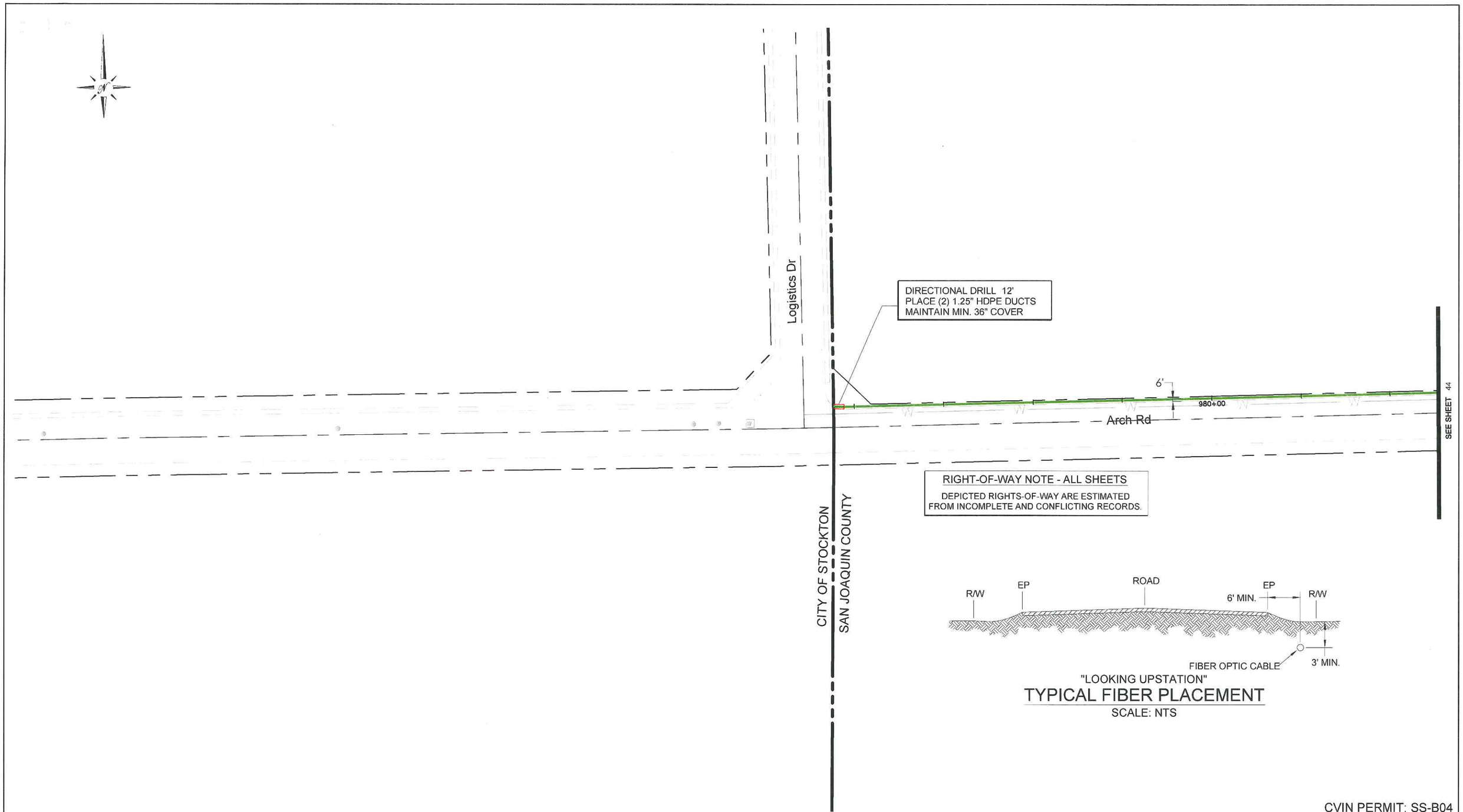
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	45	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

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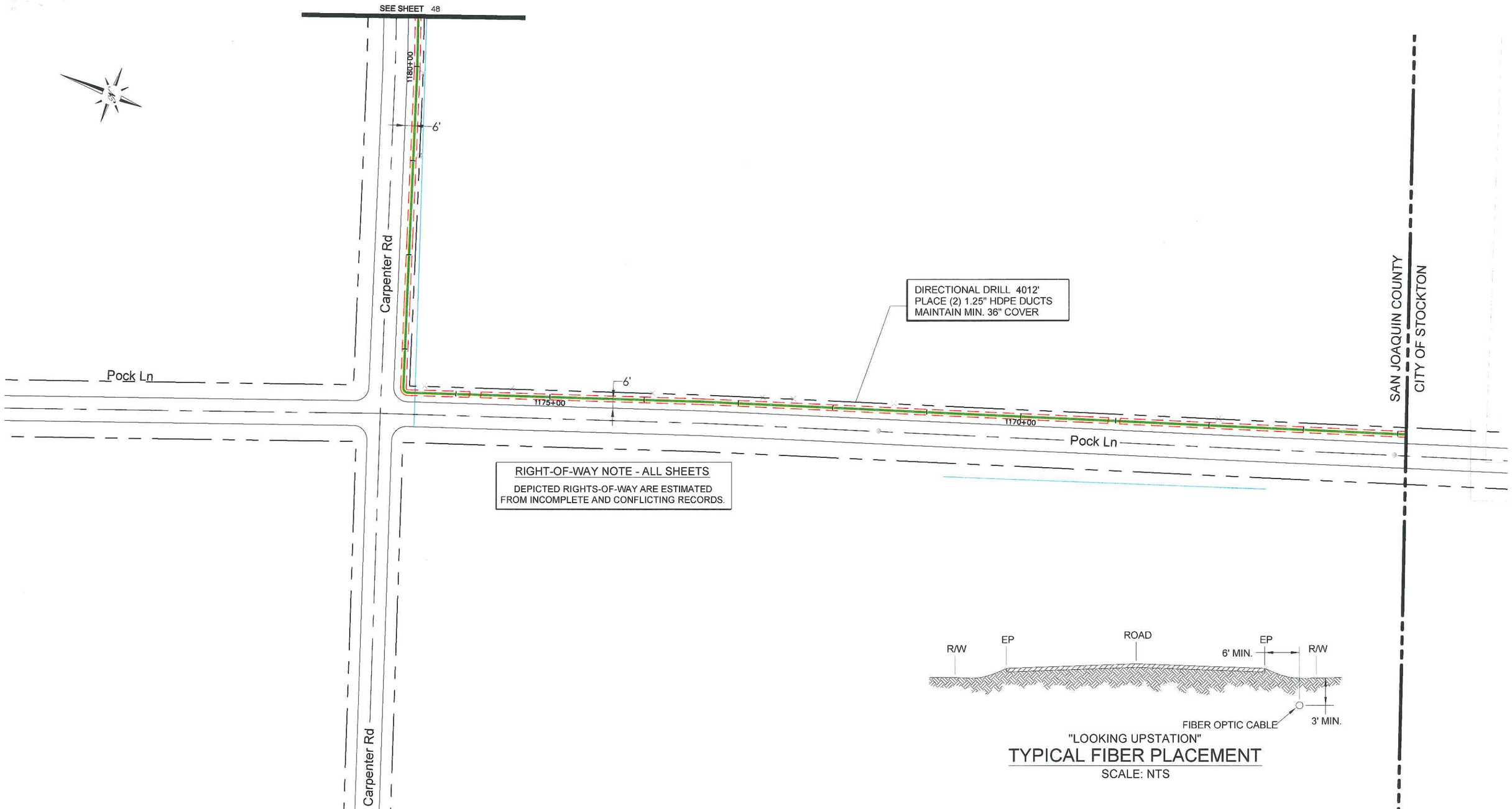
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	46	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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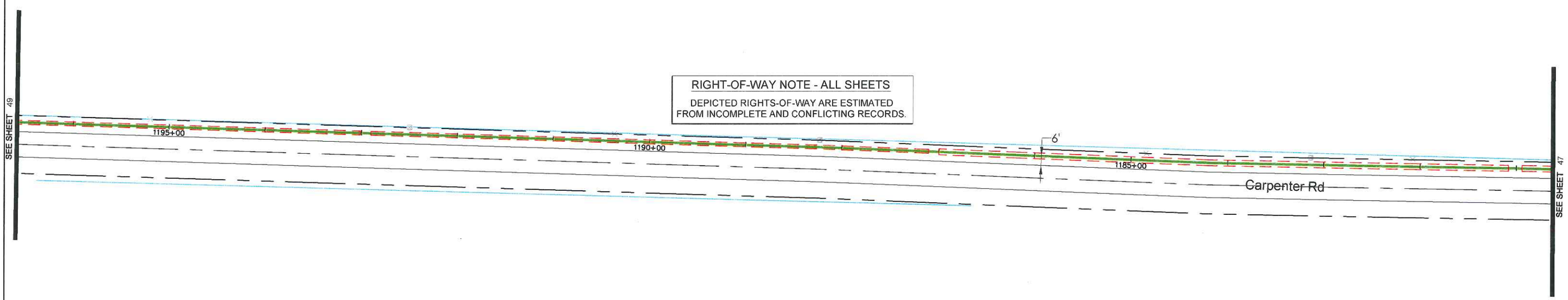
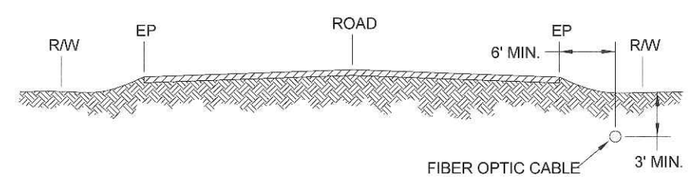
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	47	54



RIGHT-OF-WAY NOTE - ALL SHEETS

DEPICTED RIGHTS-OF-WAY ARE ESTIMATED FROM INCOMPLETE AND CONFLICTING RECORDS.



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

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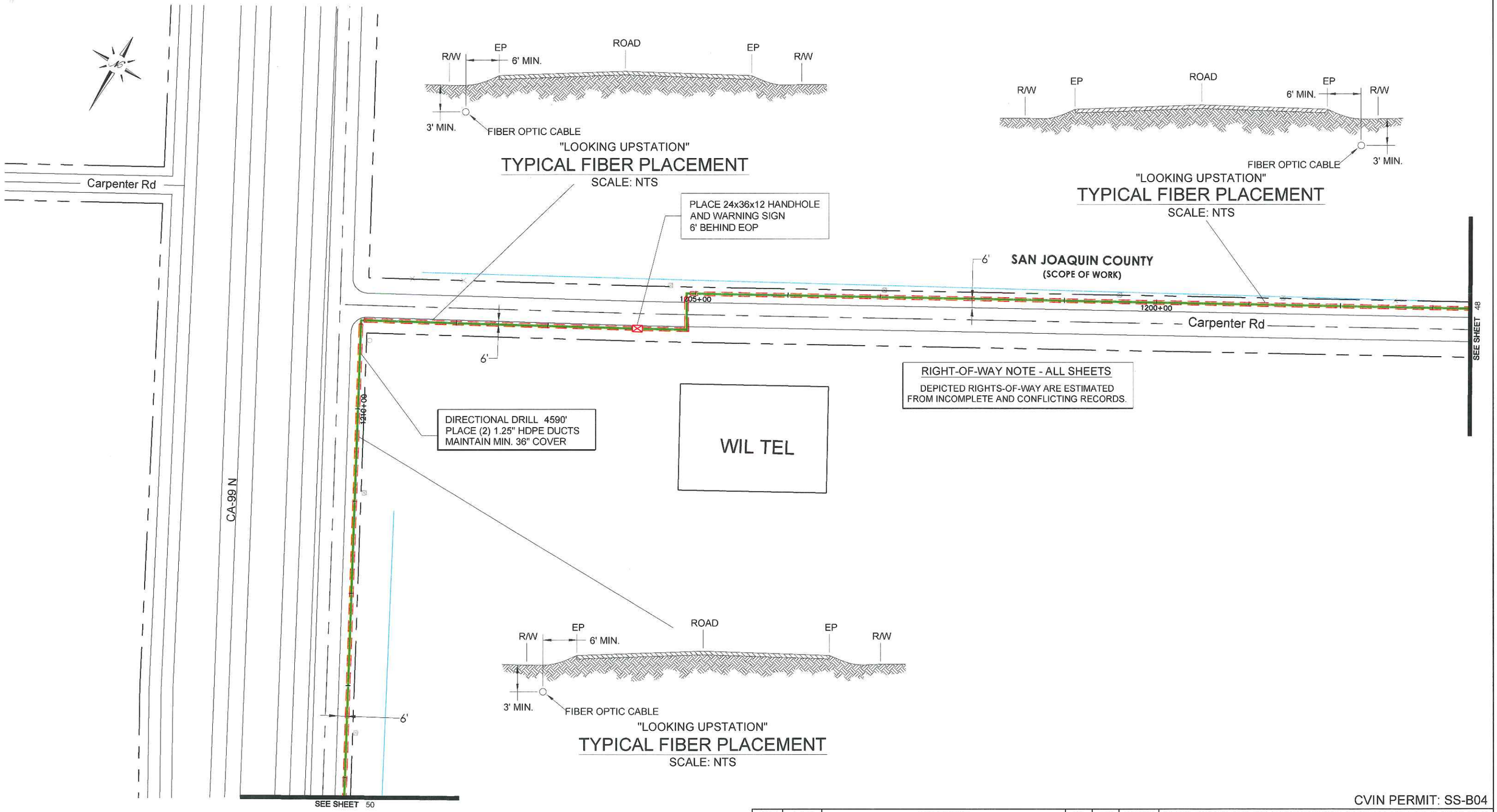
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	48	54



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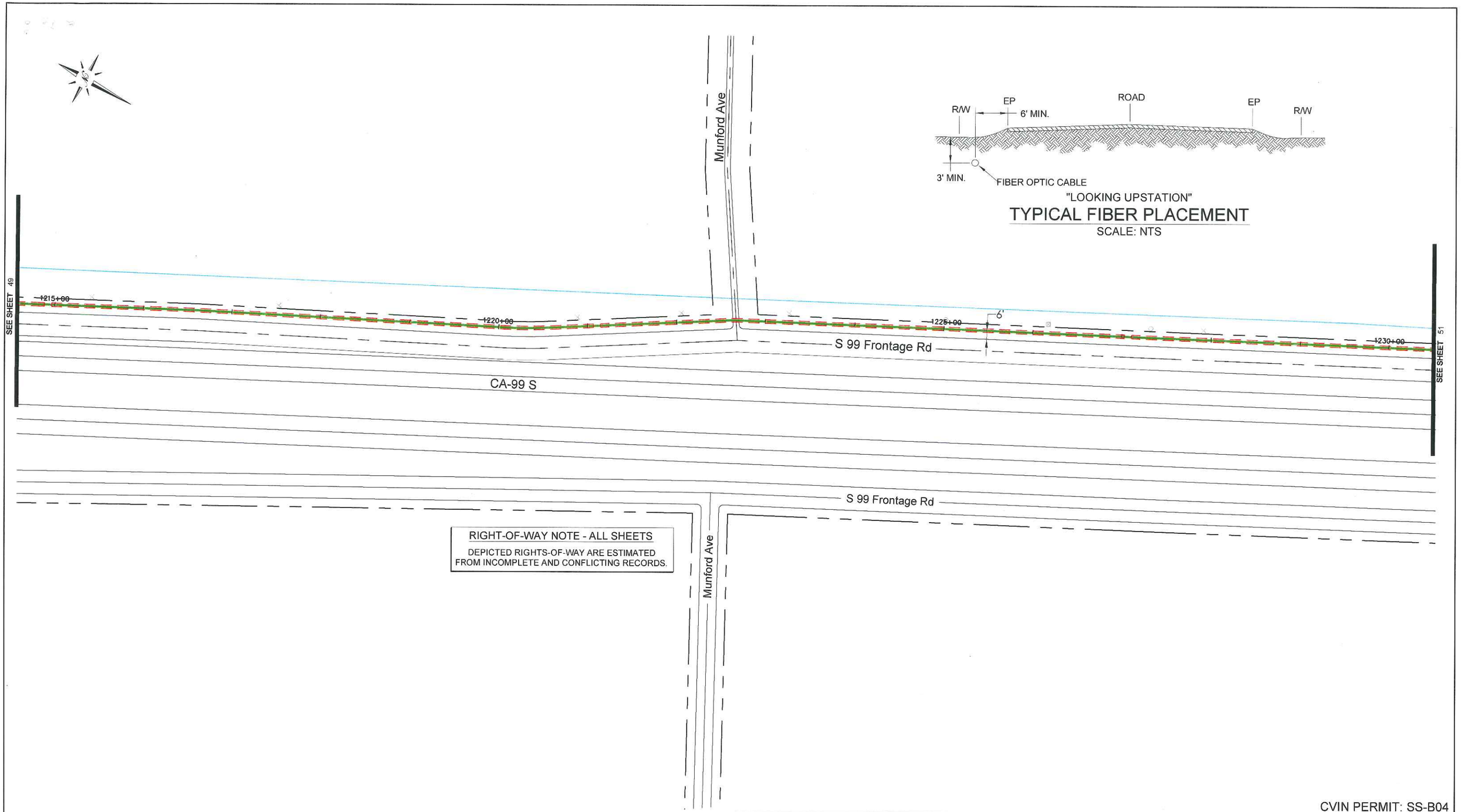
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	49	54



RIGHT-OF-WAY NOTE - ALL SHEETS

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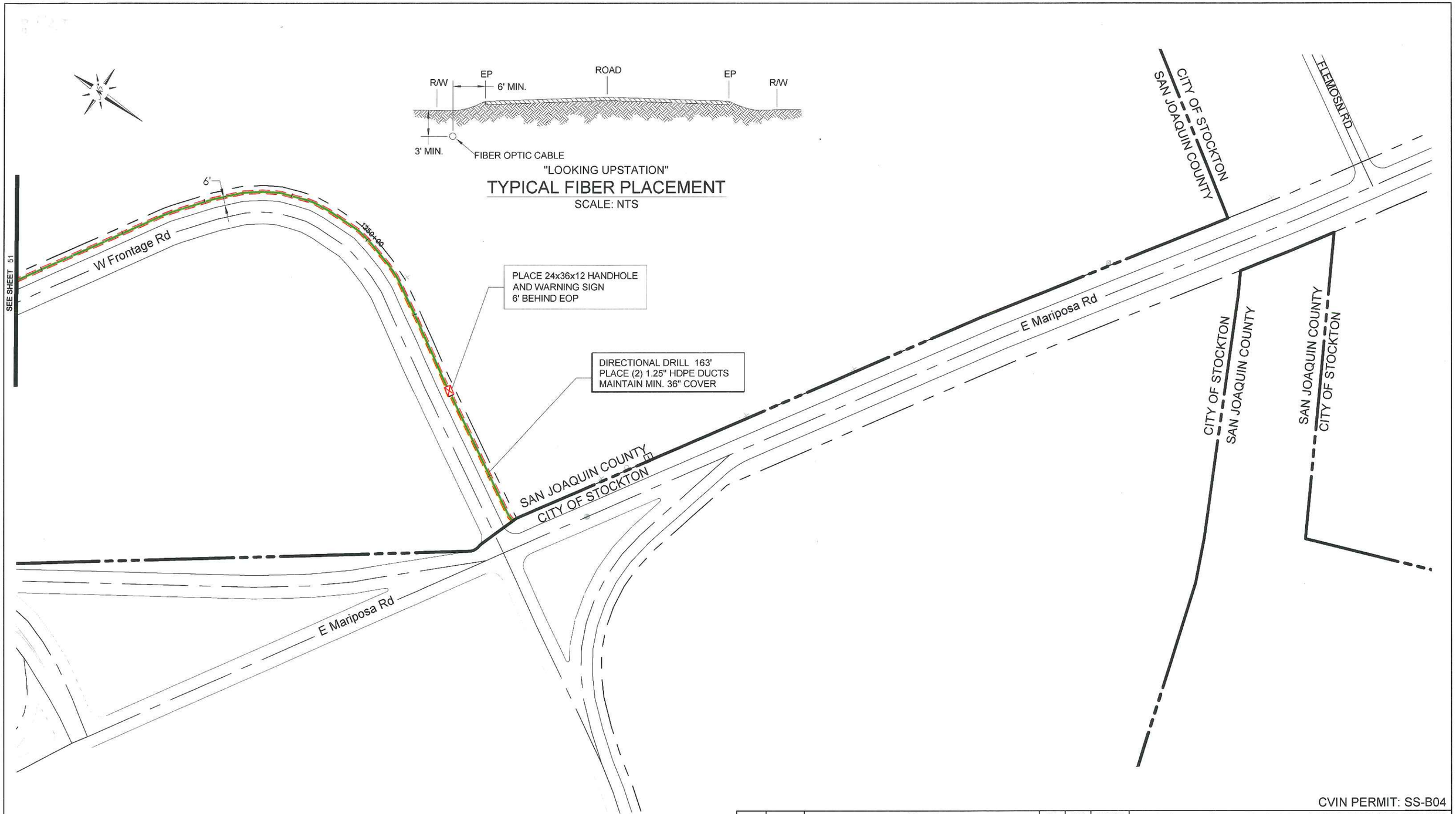
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	50	54



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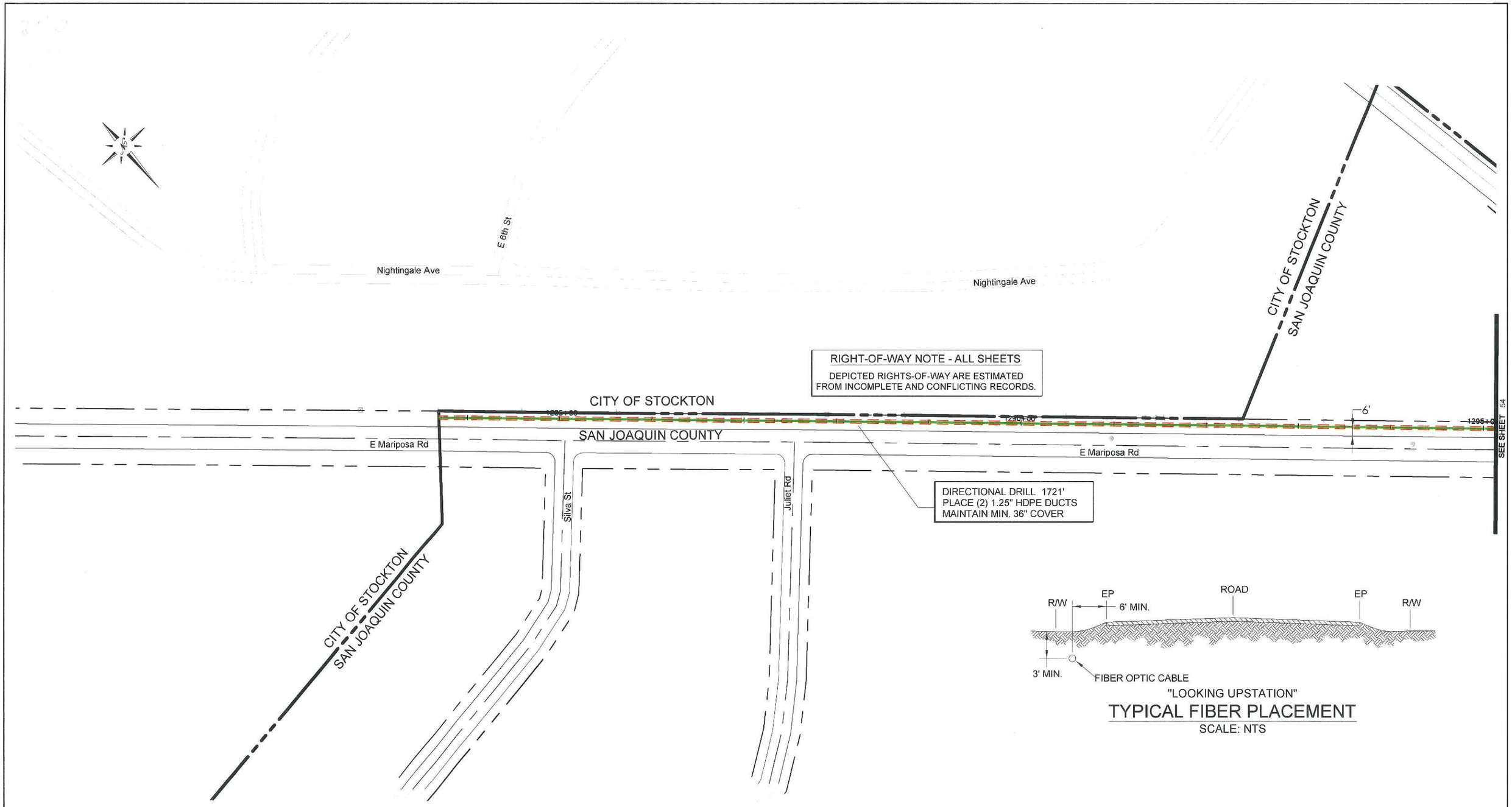
DATE:	SCALE:	SEGMENT:	SHEET:	TOTAL:
1/23/2012	1" = 100'	17 STOCKTON SOUTH	52	54



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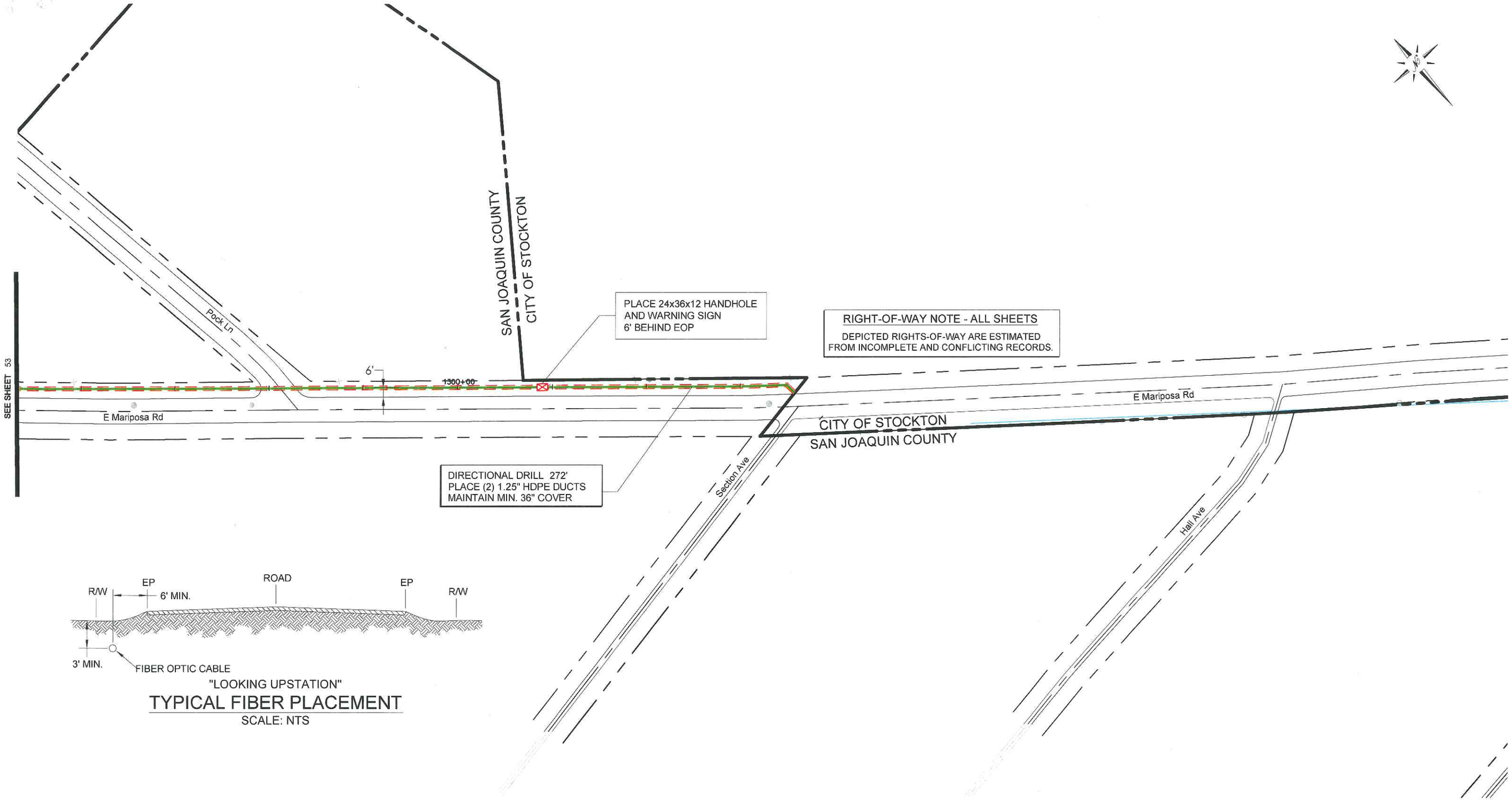
1/23/2012	1" = 100'	17 STOCKTON SOUTH	53	54



"LOOKING UPSTATION"

TYPICAL FIBER PLACEMENT

SCALE: NTS

CVIN PERMIT: SS-B04

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1/23/2012	1" = 100'	17 STOCKTON SOUTH	54	54