SEWER & WATER LINE RELOCATIONS

PREPARED FOR THE

CITY OF UPLAND

S.R. 30 / EAST OF EUCLID AVE. TO CAMPUS AVE.

AGENCY CONTACTS

WATER
DOMESTIC:
CITY OF UPLAND
P.O. BOX 460
UPLAND, CALIFORNIA 91786
(909) 931-4230
CONTACT: MR. JIM MOODY

IRRIGATION:
SAN ANTONIO-WEST END
OPERATING COMPANY
139 N. EUCLID ANENUE
UPLAND, CALIFORNIA 91786
(909) 982-4107
CONTACT: MR. R. WELLINGTON

POWER
SCE
7951 REDWOOD AVE.
FONTANA, CA 92336
(909) 357-6240
CONTACT: MR. DAVID QUESADA

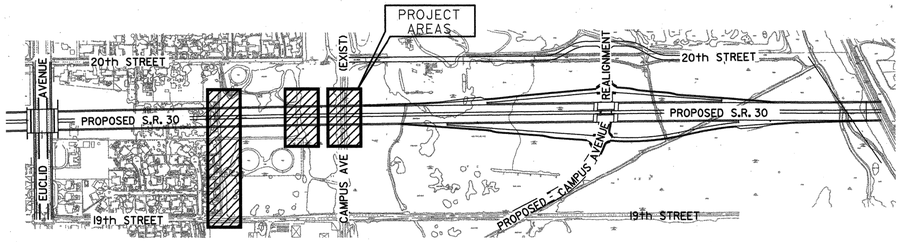
TELEPHONE
GTE
1400 E. PHILLIPS BLVD.
POMONA, CA 91766
(909) 469-6338
CONTACT: MR. MARK HUSBAND

GAS
THE GAS COMPANY
1981 W. LUGONIA AVE.
REDLANDS, CA 92374
(909) 335-7572
CONTACT: MR. CRAIG GOALEN

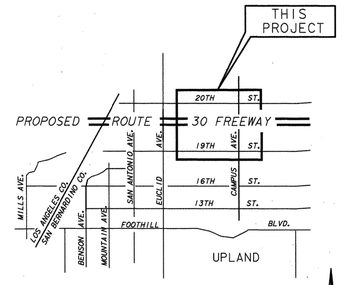
CABLE
COMCAST CABLEVISION
1205 DUPONT AVE.
ONTARIO, CA 91761
(909) 988-2999
CONTACT: MR. PAUL CYR

JOINT POWERS AUTHORITY
WATER FACILITIES AGENCY
1775 N. BENSON AVENUE
UPLAND, CALIFORNIA 91784
(909) 981-9454

CALTRANS
CALTRANS DISTRICT 8
464 W. 4th STREET
6th FLOOR
SAN BERNARDINO, CA 92401-1400
(909) 383-4536



INDEX MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.		DESCRIPTION
SEWER PLANS	1.	COVER SHEET
	2.	SEWER TITLE SHEET
	3.	SEWER DETAILS
	4.	S.R.30 STA.146+24.092(M) 8" RELOCATION - PLAN AND PROFILE
WATER PLANS	5.	WATER TITLE SHEET
	6.	WATERLINE "A" - S.R.30 STA.146+27.497(M) 24" RELOCATION - PLAN AND PROFILE
	7.	WATERLINE "B" - S.R.30 STA.148+36.570(M) 16" RELOCATION - PLAN AND PROFILE
	8.	CAMPUS AVENUE 12" RELOCATION - PLAN AND PROFILE

GENERAL NOTES

1. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL EXISTING FACILITIES AND IMPROVEMENTS WHETHER OR NOT SHOWN ON THESE PLANS. THE FACILITIES AND IMPROVEMENTS ARE BELIEVED TO BE CORRECTLY SHOWN BUT THE CONTRACTOR IS REQUIRED TO SATISFY HIMSELF AS TO THE COMPLETENESS AND ACCURACY OF THE LOCATIONS.
2. SAN ANTONIO WATER COMPANY, 139 N. EUCLID AVENUE, UPLAND, 982-4107, MAY HAVE WATER LINES IN THIS AREA. CONTACT THEM FOR LOCATION, SIZE AND DEPTH OF LINES, AND OTHER PERTINENT INFORMATION.
3. QUANTITIES SHOWN ON THE PLANS ARE ESTIMATED. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF QUANTITIES BEFORE BIDDING ON ANY ITEM.
4. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL SAFETY, BEFORE STARTING THE EXCAVATION OF ANY TRENCH FIVE FEET OR MORE IN DEPTH. SHORING, BRACING, SLOPING AND ALL OTHER PROVISIONS FOR WORKER PROTECTION SHALL CONFORM TO THE PROVISIONS CONTAINED IN ARTICLE 6 OF THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS, EFFECTIVE AUGUST 8, 1965 AND AS AMENDED JULY 27, 1973. IF A VERIATION FROM THESE STANDARDS IS DESIRED, A DETAILED PLAN SHALL BE PREPARED BY A CIVIL ENGINEER AND SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.
5. ALL WATER AND SEWER MAINS SHALL MEET THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH, REQUIREMENTS FOR THE SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER MAINS.
6. THE CONTRACTOR IS REQUIRED TO REPAIR THE EXISTING PAVEMENT WHICH IS REMOVED OR DAMAGED BY HIS OPERATIONS IN ACCORDANCE WITH STANDARD DRAWING CU-Z-3 AND CITY TRENCH REPAIR STANDARDS UNLESS ARRANGEMENTS ARE MADE WHICH COORDINATES STREET PAVING IN A MANNER ACCEPTABLE TO AND APPROVED BY THE CITY ENGINEER.
7. BEFORE CONNECTING TO THE CITY WATER SYSTEM, THE CONTRACTOR MUST MEET THE REQUIREMENTS OF SECTION 7720.12(a) OF THE UPLAND MUNICIPAL CODE RELATING TO THE TRANSFER OF WATER STOCK TO THE CITY OF UPLAND.
8. FIRE HYDRANTS SHALL BE INSTALLED PER STANDARD DRAWING W6-4, ON FILE AT THE CITY OF UPLAND WATER DEPARTMENT.
9. CONNECTION TO EXISTING WATER MAINS SHALL BE BY "HOT TAP".
10. SADDLE CONNECTIONS ARE NOT PERMITTED TO THE SEWER MAIN. NEW CONNECTIONS REQUIRE A "TEE" OR "WYE" SECTION TO BE PLACED IN THE MAIN LINE.
13. A TRAP SHALL BE PLACED IN DOWNSTREAM MANHOLE PRIOR TO ANY WORK ON SEWER LINES. TRAP SHAL BE CHECKED DAILY AND CLEANED AS NECESSARY.
14. INSTALL FALSE BOTTOMS AT ALL MANHOLES, NEW & EXISTING, WITHIN THE PROJECT LIMITS; TO BE REMOVED BY CONTRACTOR UPON COMPLETION OF PROJECT.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURE TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CONTRACTOR'S RESPONSIBILITY FOR SAFETY

IN SUBMITTING A BID FOR THIS WORK THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE 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, CITY OF UPLAND AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, CITY OF UPLAND OR THE ENGINEER.

NOTES TO CONTRACTOR

1. IN SUBMITTING A BID FOR THIS WORK THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE 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 HARMLESS THE OWNER, CITY OF UPLAND, AND THE ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, CITY, OR THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITY COMPANIES FOR THE PURPOSE OF LOCATING ALL UNDERGROUND IMPROVEMENTS WITHIN THE PROJECT AREA PRIOR TO EXCAVATION. CALL 1-800-422-4133.
3. SANITARY FACILITIES SHALL BE MAINTAINED ON THE JOB SITE FROM START TO COMPLETION OF WORK.
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-9 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1997 EDITION, ETITLED "PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS".
5. THE CONTRACTOR IS REQUIRED TO OBTAIN A CONSTRUCTION PERMIT FROM THE CITY OF UPLAND ENGINEERING DEPARTMENT. A CONSTRUCTION TRAFFIC ACCESS PLAN IS ALSO REQUIRED PRIOR TO THE START OF CONSTRUCTION.
6. A TEMPORARY STREET CLOSURE PERMIT FROM THE CITY OF UPLAND IS REQUIRED ANYTIME THE CONTRACTOR IS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY.
7. ALL WORK AND MATERIALS SHALL CONFORM TO THE HIGHER STANDARD IN EITHER "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER MAINS AND APPURTENANCES, JULY 1972", ON FILE AT THE CITY WATER DEPARTMENT, CITY OF UPLAND, OR "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", LATEST ISSUE AND AMENDMENTS, KNOWN AS THE "GREEN BOOK". WATER VALVES TO REMAIN EXPOSED, ACCESSIBLE AND FREE OF DIRT AND DEBRIS THROUGH ALL PHASES OF THE PROJECT.
8. THE LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS & PROFESSIONS CODE, AND SECTIONS 732.5, 1492.5 AND 1810.5 OF THE STREETS & HIGHWAY CODE REQUIRES THAT SURVEY MONUMENTS BE PROTECTED AND PERPETUATED.
9. ALL WORK WITHIN THE STATE RIGHT OF WAY SHALL CONFORM TO STATE OF CALIFORNIA SPECIFICATIONS (JULY 1995 EDITION), AND WILL REQUIRE A CALTRANS ENCROACHMENT PERMIT.

SEAL

REGISTERED PROFESSIONAL ENGINEER
ROBERT R. OTTE
No. 44120
Exp. 06-30-01
CIVIL
STATE OF CALIFORNIA

Underground Service Alert
DIG ALERT
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK NO. 405-86

LOCATION:
FOUND U.S. ARMY CORPS. OF ENGINEERS BRASS CAP IN N/W CORNER PCC EDISON VAULT 11' EAST OF C/L EUCLID AVENUE AND 38' SOUTH C/L 20th STREET. DISC STAMPED WCC-105 1973.
(BM NO. 405 PRIOR CITY DATUM).

ELEV. 1652.430

REVISIONS

MARK	DATE	INIT.	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY
ASSOCIATED ENGINEERS
3311 EAST SHELBY STREET
ONTARIO, CALIFORNIA 91764
TEL. (909) 980-1982
FAX (909) 941-0891

ROBERT R. OTTE R.C.E. NO. 44120 (EXP. 06-30-01) — 6-7-00 DATE

DRAWN BY:	WJRB	
DESIGN BY:	WJRB	
CHECKED BY:	RRO	
RECOMMENDED BY:		

REVIEW BY CITY STAFF

PUBLIC WORKS DEPARTMENT		
WATER	JM	6/13/00
OPERATIONS		6/12/00
TRAFFIC	RG	6/8/00
ENVIRONMENTAL		6/1/00
FIRE DEPT.	N/A	

APPROVED BY:
George R. Turner — 6/1/00
DIRECTOR OF PUBLIC WORKS RCE 54786 EXP. 12-31-2003 — DATE

RECOMMENDED BY: — 6-7-00
DEPUTY CITY ENGINEER — DATE

RECOMMENDED BY: N/A
DEVELOPMENT SVC'S COORD. — DATE

CITY OF UPLAND

S.R. 30 / EAST OF EUCLID AVE. TO CAMPUS AVE.
SEWER and WATER LINE RELOCATIONS
COVER SHEET

WATER DRAWING NO.

SHEET 1 OF 8 SHEETS

DRAWING NO. SS-6646-6

PROJECT NO. 6646 PHASE VI — PLAN NO. SS-6646-6

k:\96052\dgn\english\3stflower\upland\01sewrup.sht
06 JUN 2000 17:19:22

Barcode: SS-6646-6 SheetNo: 1 of 8

SEWER LINE RELOCATIONS

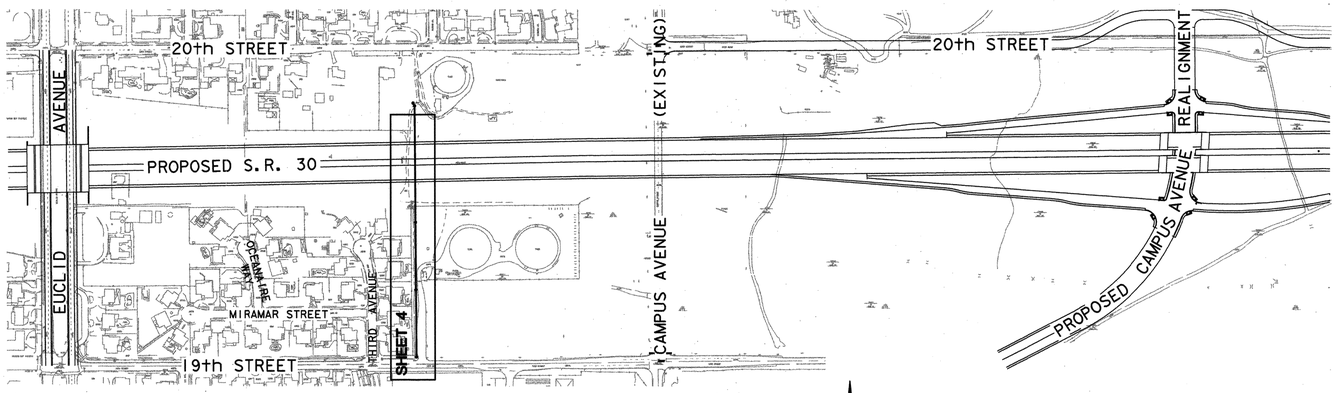
PREPARED FOR THE

CITY OF UPLAND

S.R. 30 / EAST OF EUCLID AVE. TO CAMPUS AVE.

GENERAL NOTES

1. THE FOLLOWING CITY OF UPLAND STANDARD DRAWINGS APPLY TO THIS PROJECT AND SHALL BE CONSIDERED AS A PART OF THESE PLANS:
   CU-D-1 CU-Z-1
   CU-D-2 CU-Z-2
   CU-D-7 CU-Z-3
2. ALL ELEVATIONS ON THESE PLANS ARE CALTRANS DATUM ESTABLISHED FROM NGVD-1929, FIRST ORDER CALIFORNIA RELEVELING ADJUSTMENT OF 1980. HORIZONTAL CONTROL IS BASED ON CCS NAD-83, ZONE 0405. COMBINATION FACTOR=0.99990826. MUTIPLY GRID DISTANCES BY 1.00009175 TO OBTAIN GROUND DISTANCES.
3. THE CONTRACTOR SHALL OPERATE IN A WANNER COMPLIANT WITH ALL APPLICABLE SECTIONS OF THE MUNICIPAL CODE AND COMPLY WITH ALL APPLICABLE CITY COUNCIL RESOLUTIONS.
4. THE SEPARATION BETWEEN WATER AND SEWER LINE SHALL CONFORM TO THE STATE OF CALIFORNIA ENVIRONMENTAL HEALTH CODE, TITLE 22, SECTION 64630-C.
5. CONTRACTOR SHALL RETURN A LEGIBLE AND CLEAN SET OF "AS-BUILT" DRAWINGS TO THE CITY WATER DEPARTMENT, CITY OF UPLAND.
6. APPROVAL OF THIS PLAN BY THE CITY OF UPLAND DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OR THE EXISTENCE OF ANY UNDERGROUND FACILITY.
7. ALL STRIPING OBLITERATED DURING CONSTRUCTION SHALL BE REPLACED IN KIND PER CITY OF UPLAND AND CALTRANS STANDARDS WHERE APPLICABLE.
8. ANY CONTRACTOR PERFORMING WORK ON ANY PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE SOLEY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
9. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL CONNECTION POINTS PRIOR TO COMMENCING CONSTRUCTION.
10. CONTRACTOR SHALL CONSTRUCT TEMPORARY PLYWOOD FLOOR IN MANHOLES TO PREVENT DEBRIS FROM ENTERING INVERT.
11. PROVIDE DEBRIS TRAP AT FIRST MANHOLE DOWNSTREAM OF IMPROVEMENTS.
12. ALL WORK WITHIN THE STATE RIGHT OF WAY SHALL CONFORM TO STATE OF CALIFORNIA SPECIFICATIONS (JULY 1995 EDITION).
13. THE CONTRACTOR, BEFORE UNDERTAKING ANY GRADING OR CONSTRUCTION WORK OF ANY TYPE WITHIN THE PUBLIC RIGHT OF WAY, MUST FIRST OBTAIN A CONSTRUCTION PERMIT FROM THE CITY ENGINEERING DEPARTMENT.
14. A TEMPORARY STREET CLOSURE PERMIT IS REQUIRED IN ALL CASES WHERE WORK WILL IN ANY WAY INTERFERE WITH EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THE CONTRACTOR IS ADVISED THAT CITY COUNCIL RESOLUTION No. 1656, DEALING WITH PROMPT RESTORATION OF CITY STREETS TORN UP DURING CONSTRUCTION, WILL BE ENFORCED IN ALL CASES WHERE THE PROVISIONS THEREOF ARE APPLICABLE
15. INSPECTION BY THE CITY OF THE WORK CALLED FOR ON THE PLANS SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR AND/OR THE DEVELOPER OF THEIR OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
16. ANY ALTERATIONS OR VARIANCES FROM THE PLANS, EXCEPT MINOR ADJUSTMENTS IN THE FIELD TO MEET EXISTING CONDITIONS SHALL BE REQUESTED IN WRITING AND MAY NOT BE INSTITUTED UNTIL APPROVED BY THE CITY ENGINEER OR HIS REPRESENTATIVES ACTING SPECIFICALLY UPON HIS INSTRUCTIONS.
17. CONCRETE GUTTERS, ALLEY APPROACHES, DRIVEWAYS AND OTHER CONCRETE ITEMS, WHICH WILL BE SUBJECT TO VEHICULAR TRAFFIC, SHALL BE BARRICADED, AND NO VEHICULAR TRAFFIC PERMITTED THEREON, FOR A PERIOD OF AT LEAST SEVEN DAYS FOLLOWING THE PLACING OF SAID CONCRETE ITEM. WHEN THE GENERAL PROVISIONS CALL FOR USE OF A CONCRETE ITEM SOONER THAN SEVEN DAYS AFTER PLACING, OR WHEN THE CONTRACTOR FOR CONVENIENCE OF OPERATION SO DESIRES, CONCRETE CONTAINING EIGHT SACKS OF CEMENT PER CUBIC YARD MAY, AND SHALL IF SO DIRECTED BY THE ENGINEER, BE USED, AND TRAFFIC WILL BE PERMITTED THEREON SEVENTY-TWO HOURS AFTER THE PLACING OF SAID EIGHT SACK CONCRETE.
18. IRRIGATION LINES WITHIN ANY CITY RIGHT OF WAY SHALL HAVE A TWENTY-FOUR INCH MINIMUM COVER FROM FINISH SURFACE, UNLESS SAID IRRIGATION LINE IS ENCASED IN CONCRETE OR BEDDED IN A SPECIAL CONCRETE CRADLE.
19. THE LOCATION OF UNDERGROUND UTILITY OR IRRIGATION LINES, AS SHOWN ON THE PLANS, IS APPROXIMATE, AND SINCE THE ACTUAL LOCATION MAY BE SOMEWHAT DIFFERENT FROM THAT SHOWN, THE CONTRACTOR IS REQUIRED TO CONTACT THE INTERESTED UTILITY OR WATER COMPANY BEFORE EXCAVATING IN THE VICINITY OF ANY SUCH LINES.



INDEX MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.		DESCRIPTION
SEWER PLANS	2.	SEWER TITLE SHEET
	3.	SEWER DETAILS
	4.	S.R.30 STA.146+24.092(M) 8" RELOCATION - PLAN AND PROFILE

ENGINEER'S NOTICE TO CONTRACTOR

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LEGEND

- PROPOSED SEWER
- PROPOSED WATER RELOCATION
- PROPOSED STORM DRAIN
- -S- EXISTING SEWER
- -W- EXISTING WATER
- -G- EXISTING GAS
- -E- EXISTING SCE
- -T- EXISTING TELEPHONE
- -SD- EXISTING STORM DRAIN
- -OHL- EXISTING OVERHEAD LINES
- (4) CONSTRUCTION NOTE
- (4) CONSTRUCTION NOTE NOT APPLICABLE

SEWER CONSTRUCTION NOTES — QUANTITIES

(1)	INSTALL 10" D.I.P. SEWER MAIN	492 LF
(2)	CONSTRUCT 48" MANHOLE PER CITY OF UPLAND STD DWG CU-Z-1	3 EA
(3)	CONSTRUCT 60" DROP MANHOLE WITH SAFETY LEDGE PER DETAIL 5, SHEET 3	1 EA
(4)	CONSTRUCT 48" PRECAST REINFORCED CONCRETE SHALLOW MANHOLE PER DETAIL 2, SHEET 3	1 EA
(5)	ABANDON EXISTING MANHOLE PER SPECIFICATIONS	2 EA
(6)	ABANDON EXISTING SEWER	545 LF
(7)	PROTECT IN PLACE	3 EA
(8)	INSTALL 8" D.I.P. SEWER MAIN	562 LF
(9)	REMOVE AND REPLACE EXISTING FENCE IN KIND AS NECESSARY	362 LF
(10)	ITEM NOT USED	
(11)	ABANDONED UTILITY POLE TO BE REMOVED BY CONTRACTOR	1 EA
(12)	TIE INTO EXISTING 8" VCP SEWER - REMOVE PIPE AND RECONNECT SEWER INTO PROPOSED MANHOLE	3 EA
(13)	PLUG EXISTING 8" SEWER	3 EA
(14)	PLACE SEWER LINE IN 20"x3/8" STEEL CASING PER DETAIL 4, SHEET 3	398 LF
(15)	PCC MANHOLE COVER PROTECTION SLAB PER DETAIL, SHEET 4	4 EA
3 (16)	CONSTRUCT 6" SEWER LATER PER CITY OF UPLAND STD. DWG CU-Z-4.	1 EA

SEAL

REGISTERED PROFESSIONAL ENGINEER
ROBERT R. OTTE
No. 44120
Exp. 06-30-01
CIVIL
STATE OF CALIFORNIA

Underground Service Alert
DIG ALERT
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK NO. 405-86
LOCATION:
FOUND U.S. ARMY CORPS. OF ENGINEERS BRASS CAP IN N/W CORNER PCC EDISON VAULT 11' EAST OF C/L EUCLID AVENUE AND 38' SOUTH C/L 20th STREET. DISC STAMPED WCC-105 1973.
(BM NO. 405 PRIOR CITY DATUM).
ELEV. 1652.430

REVISIONS

MARK	DATE	INIT.	DESCRIPTION	DATE	APP'VD
3	7/03/26	KJR	ADDED 6" SEWER LATERAL.		

PLANS PREPARED BY
ASSOCIATED ENGINEERS
3311 EAST SHELBY STREET
ONTARIO, CALIFORNIA 91764
TEL. (909) 980-1982
FAX (909) 941-0891
ROBERT R. OTTE R.C.E. NO. 44120 (EXP. 06-30-01) 6.7.00 DATE

DRAWN BY:	WJRB
DESIGN BY:	WJRB
CHECKED BY:	RRO
RECOMMENDED BY:	

REVIEW BY CITY STAFF

PUBLIC WORKS DEPARTMENT		
WATER	JM	6/13/00
OPERATIONS	[illegible]	6/13/00
TRAFFIC	RG	6/8/00
ENVIRONMENTAL	[illegible]	6/12/00
FIRE DEPT.	N/A	

APPROVED BY:
George R. Turner 6/7/00
DIRECTOR OF PUBLIC WORKS RCE 54786 EXP. 12-31-2003 DATE

RECOMMENDED BY: Jim MacMack 6.7.00
DEPUTY CITY ENGINEER DATE

RECOMMENDED BY: N/A
DEVELOPMENT SVC'S COORD. DATE

CITY OF UPLAND

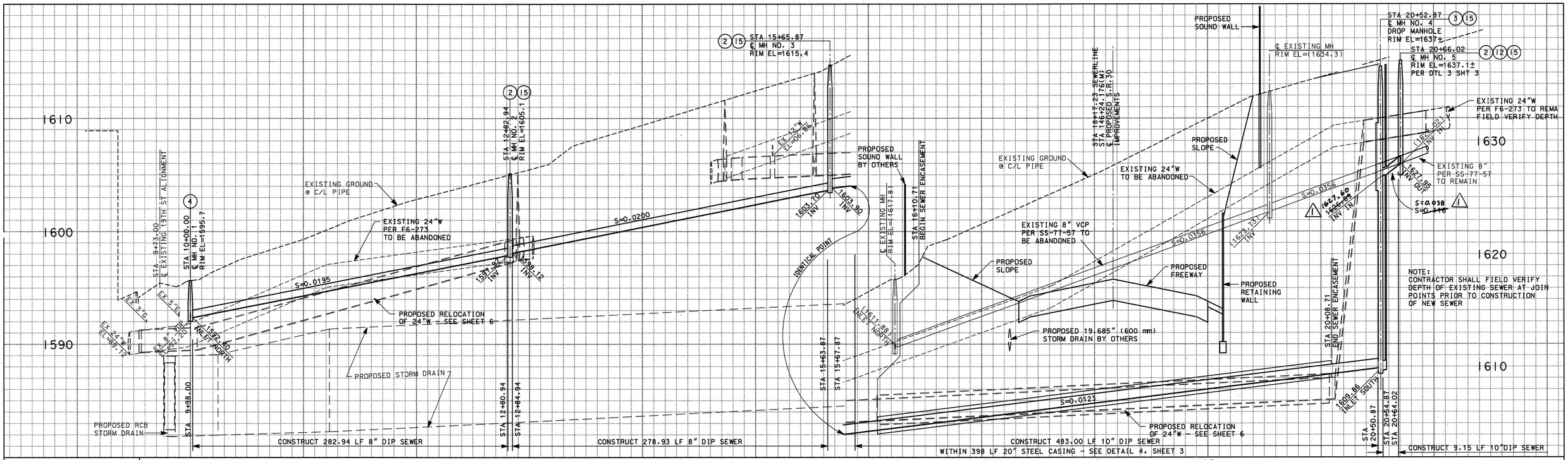
S.R. 30 / EAST OF EUCLID AVE. TO CAMPUS AVE.
SEWER and WATER LINE RELOCATIONS
SEWER TITLE SHEET

WATER DRAWING NO.
SHEET 2 OF 8 SHEETS
DRAWING NO. SS-6646-6

PROJECT NO. 6646, PHASE VI PLAN NO. SS-6646-6

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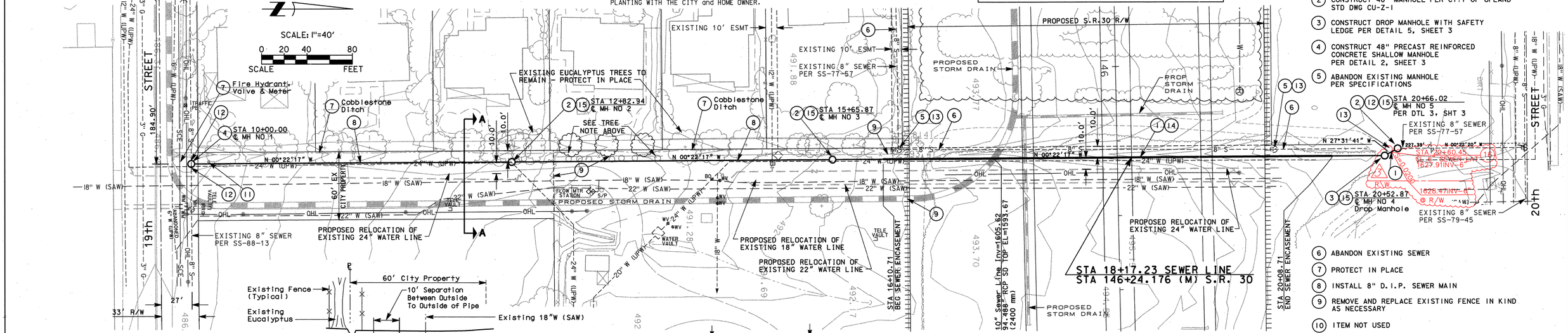
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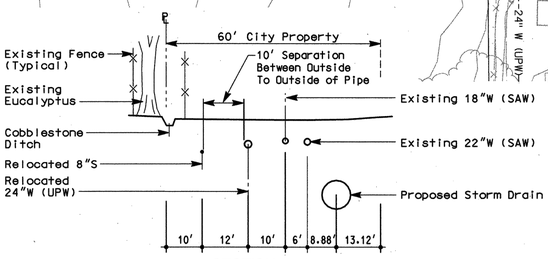


PROFILE SCALE
VERT: 1" = 4'
HORZ: 1" = 40'

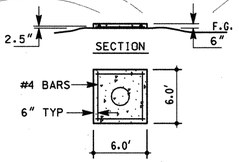
TREE NOTE: BETWEEN STA 13+33 AND 14+12 ARE SEVEN 1½" DIA. EUCALYPTUS TREES. THESE TREES SHALL BE REMOVED and REPLACED WITH THREE- 24" BOX TREES OF THE SAME SPECIES. NEW TREES TO BE LOCATED ON PRIVATE PROPERTY, IN LINE WITH EXISTING TREE ROW: COORDINATE LOCATION and PLANTING WITH THE CITY and HOME OWNER.

NOTE: 2400mm SD IS OUT OF RANGE AND NOT SHOWN IN PROFILE BETWEEN STA 15+67.87 AND 20+46.02





SECTION A-A
SECTION ACROSS UTILITY CORRIDOR
NOT TO SCALE



CONCRETE MANHOLE PROTECTION
NOT TO SCALE

SEWER CONSTRUCTION NOTES

1. INSTALL 10" D.I.P. SEWER MAIN
2. CONSTRUCT 48" MANHOLE PER CITY OF UPLAND STD DWG CU-Z-1
3. CONSTRUCT DROP MANHOLE WITH SAFETY LEDGE PER DETAIL 5, SHEET 3
4. CONSTRUCT 48" PRECAST REINFORCED CONCRETE SHALLOW MANHOLE PER DETAIL 2, SHEET 3
5. ABANDON EXISTING MANHOLE PER SPECIFICATIONS
6. ABANDON EXISTING SEWER
7. PROTECT IN PLACE
8. INSTALL 8" D.I.P. SEWER MAIN
9. REMOVE AND REPLACE EXISTING FENCE IN KIND AS NECESSARY
10. ITEM NOT USED
11. ABANDONED UTILITY POLE TO BE REMOVED BY CONTRACTOR
12. TIE INTO EXISTING 8" VCP SEWER - REMOVE PIPE AND RECONNECT SEWER INTO PROPOSED MANHOLE
13. PLUG EXISTING 8" SEWER
14. PLACE SEWER LINE IN 20"x3/8" STEEL CASING PER DETAIL 4, SHEET 3
15. PCC MANHOLE COVER PROTECTION SLAB PER DETAIL, SHEET 4
16. CONSTRUCT 6" SEWER LATER PER CITY OF UPLAND STD. DWG CU-Z-4.

SEAL
REGISTERED PROFESSIONAL ENGINEER
ROBERT R. OTTE
No. 44120
Exp. 06-30-01
CIVIL
STATE OF CALIFORNIA

Underground Service Alert
DIAL BEFORE YOU DIG
Call: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK NO. 405-86
LOCATION:
FOUND U.S. ARMY CORPS. OF ENGINEERS BRASS CAP IN N/W CORNER PCC EDISON VAULT 11' EAST OF C/L EUCLID AVENUE AND 38' SOUTH C/L 20th STREET. DISC STAMPED WCC-105 1973.
(BM NO. 405 PRIOR CITY DATUM).
ELEV. 1652.430

REVISIONS

MARK	DATE	INIT.	DESCRIPTION	DATE	APP'VD
1	6-7-00	K.P.	REVISED SLOPE OF SEWER	6-7-00	JMM
2	11/03/00	KJR	ADDED 6" SEWER LATERAL.		

PLANS PREPARED BY
ASSOCIATED ENGINEERS
3311 EAST SHELBY STREET
ONTARIO, CALIFORNIA 91764
TEL. (909) 980-1982
FAX (909) 941-0891
ROBERT R. OTTE R.C.E. NO. 44120 (EXP. 06-30-00) 6-7-00 DATE

DRAWN BY:	WJRB
DESIGN BY:	WJRB
CHECKED BY:	RRO
RECOMMENDED BY:	

REVIEW BY CITY STAFF

PUBLIC WORKS DEPARTMENT		
WATER		6/13/00
OPERATIONS		6/14/00
TRAFFIC		6/8/00
ENVIRONMENTAL		6/6/00
FIRE DEPT.		N/A

APPROVED BY:
DIRECTOR OF PUBLIC WORKS RCE 54786 EXP. 12-31-2003 6/7/00 DATE
RECOMMENDED BY: DEPUTY CITY ENGINEER 6-7-00 DATE
RECOMMENDED BY: N/A DEVELOPMENT SVC'S COORD. DATE

CITY OF UPLAND

S.R. 30 / EAST OF EUCLID AVE. TO CAMPUS AVE.
SEWER and WATER LINE RELOCATIONS
SEWER LINE

WATER DRAWING NO.
SHEET 4 OF 8 SHEETS
DRAWING NO. SS-6646-6

PROJECT NO. 6646, PHASE VI PLAN NO. SS-6646-6

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06 JUN 2000 13:35

Barcode: SS-6646-6 SheetNo: 4 of 8