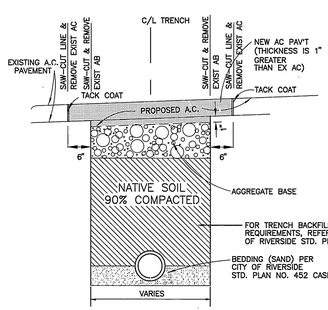
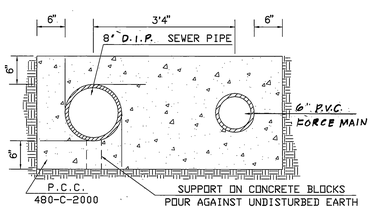
GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF THE LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO. 10 AND THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
6. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
7. STREET OPENING PERMITS ARE REQUIRED FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES.
8. STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS MADE TO MAINTAIN SIGNAL OPERATION.
9. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MAKING TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
11. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
12. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
13. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT THE POINT OF CONNECTION WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
14. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
15. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
16. IN PAVEMENT OVERLAY AREAS, DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND PLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
17. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.



TRENCH DETAIL (1)

N.T.S.



SEWER CONCRETE ENCASEMENT DETAIL (7)

N.T.S.

LIFT STATION NOTES

GENERAL NOTES

1. ALL HATCHES AND HATCH HARDWARE SHALL TO BE STAINLESS STEEL (NOTE ON PLANS).
2. THE INTERIOR OF THE GRAVITY MANHOLES NEED TO BE CORROSION PROTECTED (NOTE ON PLANS).
3. THE CONTRACTOR MUST SUBMIT COMPLETE MAINTENANCE AND SPARE PARTS INFORMATION FOR THE PUMPS, VALVES, ELECTRICAL AND INSTRUMENTATION COMPONENTS. MECHANICAL COMPONENETS MUST HAVE SECTION VIEWS, EXPLODED VIEWS, AND A COMPLETE PARTS LISTING. THE NAME, ADDRESS AND TELEPHONE NUMBER FOR ALL SUPPLIERS MUST BE PROVIDED. (NOTE ON PLANS)
4. THE CONTRACTOR MUST PROVIDE SPARE PARTS.
5. THREE PHASE POWER IS REQUIRED FOR LIFT STATION (480 VOLT).
6. THE PUMP MOTORS MUST BE SIZED NOT TO EXCEED THEIR RATED HORSE POWER AT ANY POINT ON THE PUMP CURVE.
7. THE CONTRACTOR MUST PROVIDE A 20 FOOT JUMPER FROM THE CONTROL PANEL TO THE GENERATOR FOR EMERGENCY POWER CONNECTION.
8. CONTRACTOR MUST PROVIDE COMPLETE AS-BUILT DRAWINGS OF THE ELECTRICAL SYSTEM. THIS INCLUDES THE GENERAL WIRING AND THE INTERNAL WIRING OF THE PANELS. THE CITY WILL REVIEW AND APPROVE THE DRAWINGS. THE CONTRACTOR WILL MAKE ANY CHANGES AND SUBMIT FINAL SETS. COMPLETED RECORDED DRAWING ARE REQUIRED BEFORE FINAL PAYMENT IS RECEIVED BY THE CONTRACTOR.
9. ALL WIRES MUST BE INDIVIDUALLY TAGGED. THEY MUST BE TAGGED AT EVERY TERMINATION AND INSIDE EVERY JUNCTION BOX. WIRE NUMBERING AND TAGGING SYSTEMS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.

INSTRUMENTATION & CONTROL NOTES

1. CONTROL PANEL MUST BE CUSTOM BUILT TO THE CITY REQUIREMENTS.
2. CONTRACTOR MUST SUBMIT ALL WIRING DIAGRAMS FOR REVIEW BY THE CITY PRIOR TO ASSEMBLY.
3. CONTRACTOR MUST PROVIDE THE CITY THE OPPORTUNITY TO INSPECT PANEL DURING ASSEMBLY.
4. THE PANEL SHALL BE NEMA 4X.
5. PUMPS SHALL BE CONTROLLED USING A SQUARE D PLC. NO SUBSTITUTIONS. THIS IS REQUIRED FOR STANDARDIZATION.
6. CONTRACTOR MUST SUBMIT A COPY OF THE PLC PROGRAM FOR REVIEW AND APPROVAL. A FINAL FULLY ANNOTATED PROGRAM MUST BE PROVIDED WITH THE AS-BUILT DRAWINGS.
7. WET WELL LEVEL MUST BE MONITORED USING A MILTRONIC MULTIRANGER ULTRASONIC LEVEL METER. NO SUBSTITUTIONS. THIS IS REQUIRED FOR STANDARDIZATION.
8. THE LIFT STATION SHALL BE EQUIPPED WITH ULTRASONIC FAILURE INDICATOR.
9. THE CONTROL PANEL SHALL BE EQUIPPED WITH ACROSS THE LINE STARTING SO THE PUMPS CAN BE OPERATED MANUALLY IN THE EVENT OF PLC OR OTHER EQUIPMENT FAILURE.
10. CONTROL PANEL MUST BE EQUIPPED WITH MOTOROLA INTRAC 2000 RTU. THE RTU WILL COMMUNICATE WITH THE INTRAC BASE STATION AT THE CITY RECLAMATION PLANT.
11. THE CONTRACTOR MUST CONNECT AND TEST RTU TO ESTABLISH COMMUNICATION WITH PLANT BASE. CITY WILL INTERGRATE RTU INTO PLANT SCADA CONTROL SYSTEM.

CONTROL LOGIC NOTES

THE PLC WILL PERFORM THE FOLLOWING CONTROL FUNCTIONS:

1. CYCLE PUMPS ON AND OFF ACCORDING WET WELL LEVEL.
2. ALTERNATE LEAD AND LAG PUMPS EVERY 24-HOURS.
3. RECORD PUMP LAPSED TIME RUN HOURS.
4. PROVIDE LOW LEVEL AND HIGH LEVEL ALARMS.
5. TURN OFF PUMPS ON SEAL FAILURE.
6. TURN OFF PUMPS ON THERMAL OVERLOAD.
7. CALL LAG PUMP IN EVENT OF LEAD PUMP FAILURE.
8. RECOGNIZE ULTRASONIC LEVEL CONTROL SYSTEM FAILURE AND CLOSE ALARM CONTACT.
9. RECOGNIZE PUMP HAND SWITCH POSITION AND ADJUST CONTROL LOGIC.
10. RECOGNIZE ANY FAILURE CONDITION AND CLOSE BEACON LIGHT CONTACT.
11. RECOGNIZE POWER FAILURE AND CLOSE ALARM CONTACT.
12. RECOGNIZE SITE ENTRIES AND CLOSE ALARM CONTACT.
13. MILLTRONICS LEVEL CONTROLLERS SHALL PROVIDE BACKUP PUMP CONTROL IN THE EVENT OF PLC FAILURE.

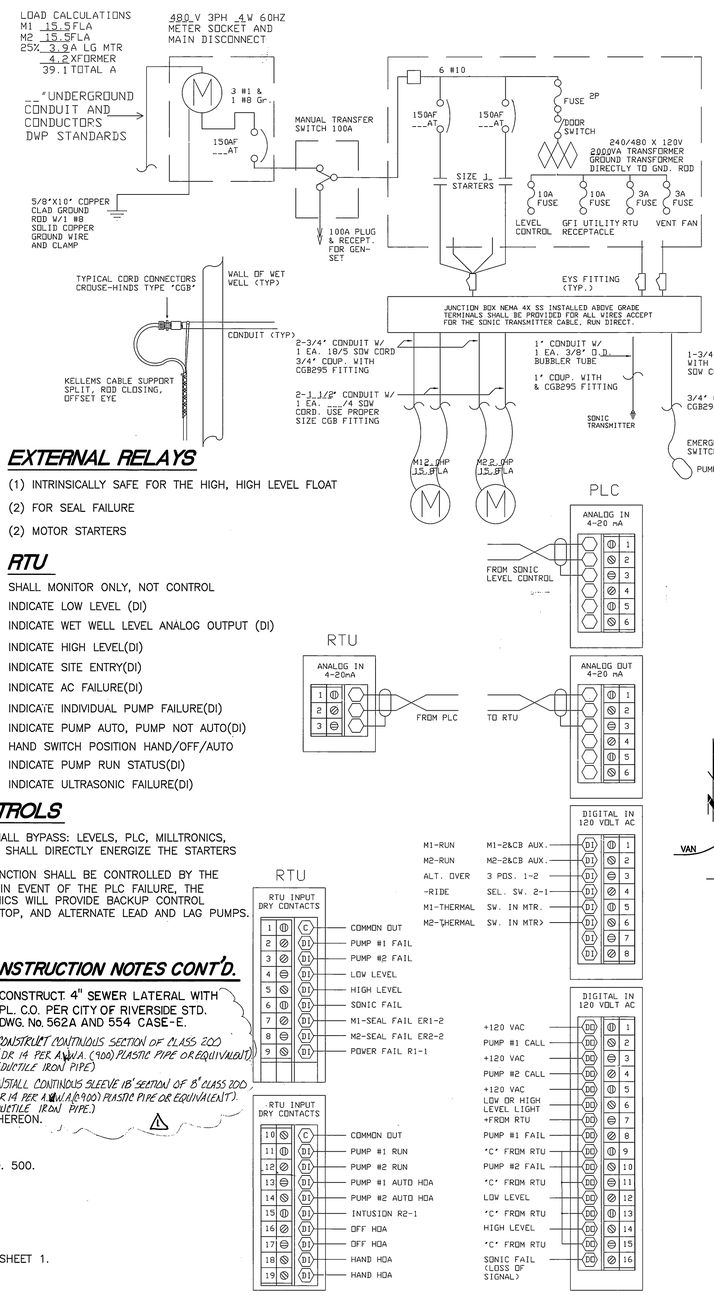
ALL ALARM CONTACTS AND SIGNALS TO THE RTU WILL BE CONTROLLED BY THE PLC.

CONSTRUCTION NOTES:

1. SAW-CUT AND REMOVE EXISTING AC PAVEMENT PER DETAIL HEREON.
2. CONSTRUCT 8" VCP SEWER.
3. CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 500.
4. CONSTRUCT AC OVER AB PER TRENCH DETAIL ON SHEET. 1.
5. CONSTRUCT 8" VCP - 5' STUB WITH PLUG.
6. CONSTRUCT 6" P.V.C. FORCE MAIN. SCHEDULE 80
7. CONSTRUCT SEWER CONCRETE ENCASEMENT PER DETAIL ON SHEET 1.
8. CONSTRUCT 8" D.I.P. SEWER.
9. CONSTRUCT SEWER LIFT STATION PER DETAIL ON SHEET NO. 1 AND 6.
10. CONSTRUCT CLEAN-OUT PER CITY OF RIVERSIDE STD. DWG. NO. 560.

CONSTRUCTION NOTES CONT'D.

11. CONSTRUCT 4" SEWER LATERAL WITH PL. C.O. PER CITY OF RIVERSIDE STD. DWG. No. 562A AND 554 CASE-E.
12. CONSTRUCT CONTINUOUS SECTION OF CLASS 200 (DR 14 PER AWWA C900) PLASTIC PIPE OR EQUIVALENT) (DUCTILE IRON PIPE)
13. INSTALL CONTINUOUS SLEEVE (8' SECTION OF 8" CLASS 200 (DR 14 PER AWWA C900) PLASTIC PIPE OR EQUIVALENT). (DUCTILE IRON PIPE.)



EXTERNAL RELAYS

(1) INTRINSICALLY SAFE FOR THE HIGH, HIGH LEVEL FLOAT

(2) FOR SEAL FAILURE

(2) MOTOR STARTERS

RTU

SHALL MONITOR ONLY, NOT CONTROL

INDICATE LOW LEVEL (DI)

INDICATE WET WELL LEVEL ANALOG OUTPUT (DI)

INDICATE HIGH LEVEL(DI)

INDICATE SITE ENTRY(DI)

INDICATE AC FAILURE(DI)

INDICATE INDIVIDUAL PUMP FAILURE(DI)

INDICATE PUMP AUTO, PUMP NOT AUTO(DI)

HAND SWITCH POSITION HAND/OFF/AUTO

INDICATE PUMP RUN STATUS(DI)

INDICATE ULTRASONIC FAILURE(DI)

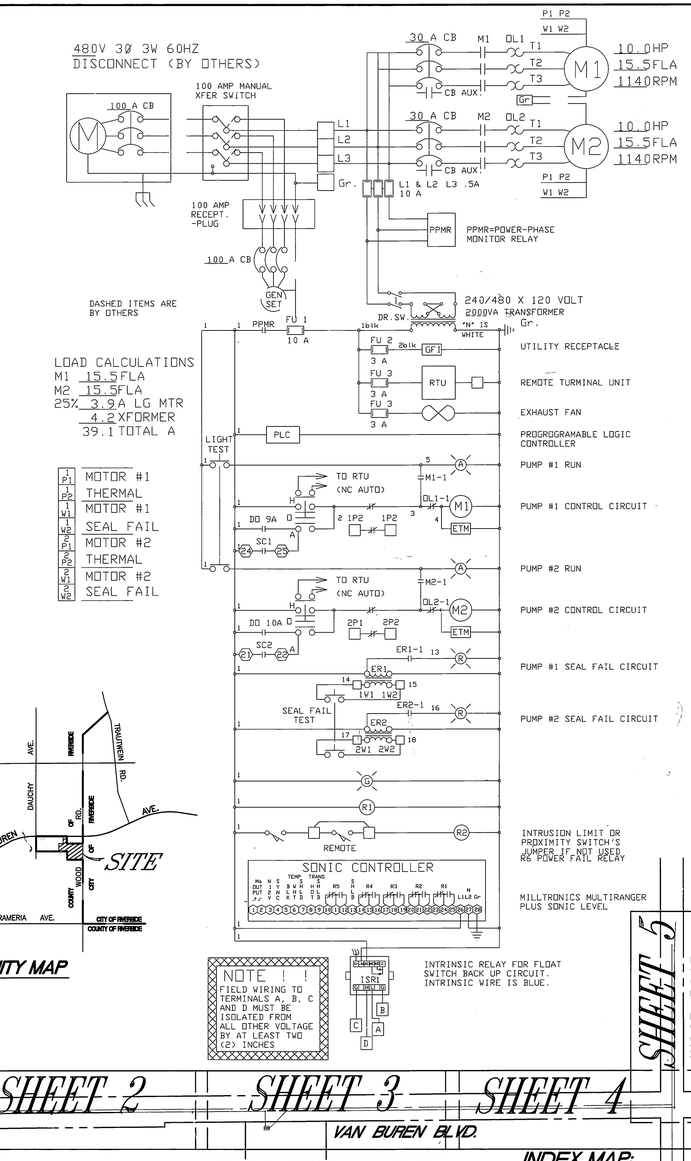
CONTROLS

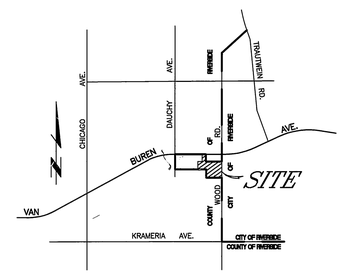
HAND SHALL BYPASS: LEVELS, PLC, MILLTRONICS, ETC AND SHALL DIRECTLY ENERGIZE THE STARTERS

AUTO FUNCTION SHALL BE CONTROLLED BY THE PLC OR IN EVENT OF THE PLC FAILURE, THE MILLTRONICS WILL PROVIDE BACKUP CONTROL START, STOP, AND ALTERNATE LEAD AND LAG PUMPS.

LIFT STATION ELECTRICAL DETAIL

N.T.S.





VICINITY MAP

N.T.S.

INDEX MAP:

N.T.S.

NOTES TO CONTRACTOR:

1. CONTRACTOR SHALL PROVIDE ALL SHORING FOR SEWER AND STORM DRAIN CONSTRUCTION AS NECESSARY TO MAINTAIN ALL EXISTING TRAFFIC LANES.
2. CONTRACTOR SHALL REMOVE AND REPLACE AC PAVEMENT TO MATCH EXISTING FOR SEWER AND STORM DRAIN CONSTRUCTION.
3. CONTRACTOR SHALL PROVIDE DETOURING PLANS FOR VAN BUREN AVENUE AND WOOD ROAD FOR SEWER CONSTRUCTION, AND PROCESS THROUGH CITY AND COUNTY TRANSPORTATION DEPARTMENT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTION OF TRAFFIC SIGNAL LOOP SENSORS, SIGNAL, STREET LIGHTING AND INTERCONNECT CONDUITS. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPLACE DAMAGED FACILITY AT NO COST TO THE OWNER.
5. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE FOURTEEN FOOT WIDE TRAVEL LANE IN EACH DIRECTION AND ACCESS TO ALL ADJACENT PROPERTIES DURING AND AFTER WORKING HOURS ON WOOD ROAD AND VAN BUREN AVENUE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROVIDING TEMPORARY STRIPING LEFT TURN POCKETS AND SIGNAL PHASING AT THE INTERSECTION OF WOOD ROAD AND VAN BUREN AVENUE.
6. AT THE END OF WORK DAY, EXCAVATIONS SHALL BE FENCED AND BARRICADED. TRENCHES SHALL BE FILLED PAVED AND BARRICADED TO ALLOW SAFE MOVEMENT OF TRAFFIC.
7. THE CONTRACTOR SHALL MAINTAIN ON A 24 HOUR BASIS ALL SIGNS, DELINEATION BARRICADES TO INSURE PROPER FLOW AND SAFETY OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIME DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE STRIPING, SIGNS AND TRAFFIC SIGNAL LOOP SENSORS TO ITS ORIGINAL STATE AFTER COMPLETION OF CONSTRUCTION.

BUSINESS TAX CERTIFICATION NO. 041318 EXP. DATE 8/27/97

9. CONTRACTOR SHALL PHASE SEWER CONSTRUCTION ON VAN BUREN AVENUE AND WOOD ROAD IN ORDER TO PROVIDE FOURTEEN FOOT TRAVEL LANE ON VAN BUREN AVENUE IN EACH DIRECTION AND ONE TRAVEL LANE IN EACH DIRECTION ON WOOD ROAD.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL NECESSARY CALCULATIONS PLANS AND DETAILS FOR ALL SHORING REQUIRED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROCESSING SHORING PLANS THRU THE LOCAL AGENCY FOR APPROVAL.
11. THE 100 AMG PLUG AND RECEPTACLE MUST BE KILLARK 8581/21-407 AND 8581/22-407. SEE ATTACHED CUT SHEET. A JUMPER CABLE FROM THE CONTROL PANEL TO THE CITY GENERATOR MUST BE PROVIDED.
12. A MOTOROLA MAST AND YAGI ANTENNA MUST BE PROVIDED AND COMMUNICATION WITH THE PLANT BASE STATION ESTABLISHED.
13. THE CONTRACTOR MUST SUBMIT DETAILED CONSTRUCTION DRAWINGS FOR THE CONTROL PANEL INCLUDING EXACT COMPONENT LOCATIONS AND WIRE NUMBERING.
14. THE CITY MUST BE GIVEN THE OPPORTUNITY TO INSPECT THE PANEL DURING CONSTRUCTION TO ENSURE PROPER WORKMANSHIP AND CONFORMANCE TO CITY REQUIREMENTS.
15. THE CONTRACTOR MUST SUBMIT A DETAILED LAYOUT OF CONTROL PANEL FRONT.
16. **The contractor shall notify the County of Riverside Transportation Department 48 hours prior to the beginning of construction. Phone: (909) 275-6790**

COUNTY OF RIVERSIDE MS 3705

APPROVED BY : DATE : 10/3/97
FOR TRANSPORTATION DEPT., RIVERSIDE COUNTY CALIFORNIA
33950 R.C.E. NO. — 6/30/98 EXP. DATE

APPROVED BY SOUTHERN CALIFORNIA GAS COMPANY
9-30-97 DATE

APPROVED BY PACIFIC BELL TELEPHONE COMPANY
9/30/97 DATE

REVIEWED BY:
APPROVED BY WESTERN MUNICIPAL WATER DISTRICT for Non-Interference compliance
SHEET 1 THROUGH 6
Civil Engineer R.C.E. 46212 DATE
APPROVED 4/16/98
DATE: 11/4/97 CONTRACTOR TO NOTIFY WMWD INSPECTOR AT LEAST 2 WORKING DAYS PRIOR TO CONSTRUCTION

RECOMMENDED FOR APPROVAL:
BOYLE ENGINEERING
DATE: 10/7/97
CHECKED BY: DB

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER Haidook I. Aghaian R.C.E. No. 043293 Exp. 3-31-00 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
HAIDOOK I. AGHAIAN
R.C.E. 043293 - EXP. 3/31/00
10/2/97 DATE

THIENES ENGINEERING
CIVIL ENGINEERING•LAND SURVEYING
16800 VALLEYVIEW AVENUE
LA MIRADA, CALIFORNIA 90639
(714) 521-4811

1" = 40'
DATE Last Update:7/21/97
E:\1379\13755EW1

BENCHMARK: BM - P.K. NAIL & TAG E'LY SIDE OF TRAUTWEIN ROAD. 100'± N'LY OF VAN BUREN BOULEVARD, N'LY WALL OF CATCH BASIN, 2' E'LY OF CURB FACE IN S/W. ELEV=1674.985 ADJ. LL 43/PG. 10

MARK	REVISIONS	APPR.	DATE
1	ADDED CONSTRUCTION NOTE (11), 12 & 13	HIA	4/16/98

DESIGNED BY H.I.A. DRAWN BY H.L. CHECKED BY H.I.A.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

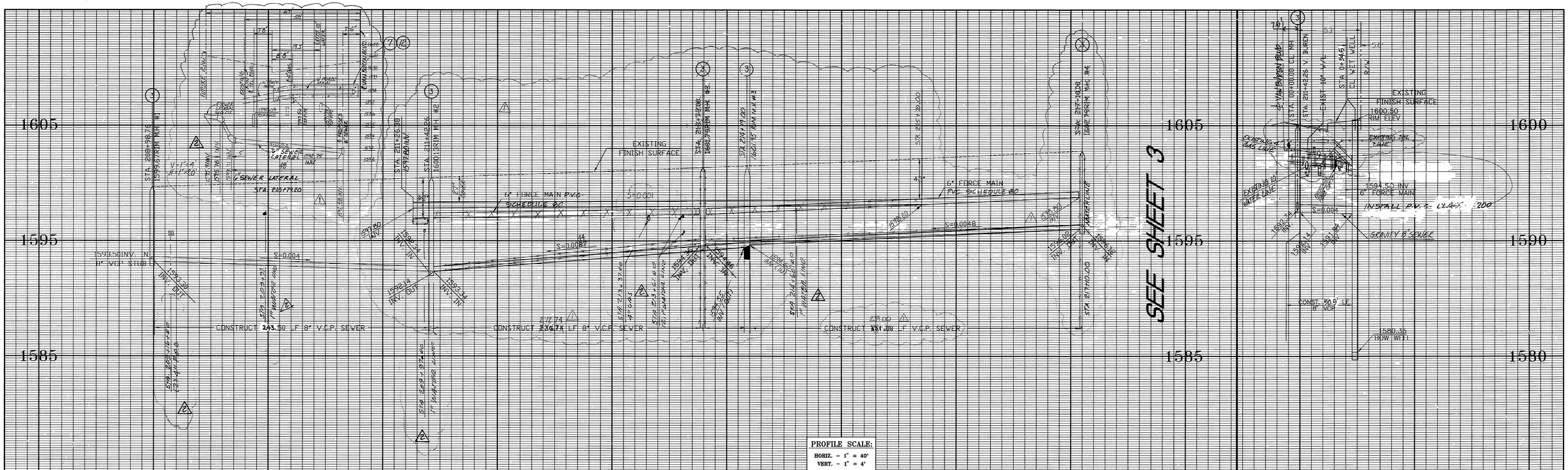
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		4/16/98
PARK DEPARTMENT		10/11/97
TRAFFIC DIVISION		
DEPUTY P.W. ENGR.		
SEWER SERVICES		10/10/97
ELECTRICAL DEPT.		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 3-25-98

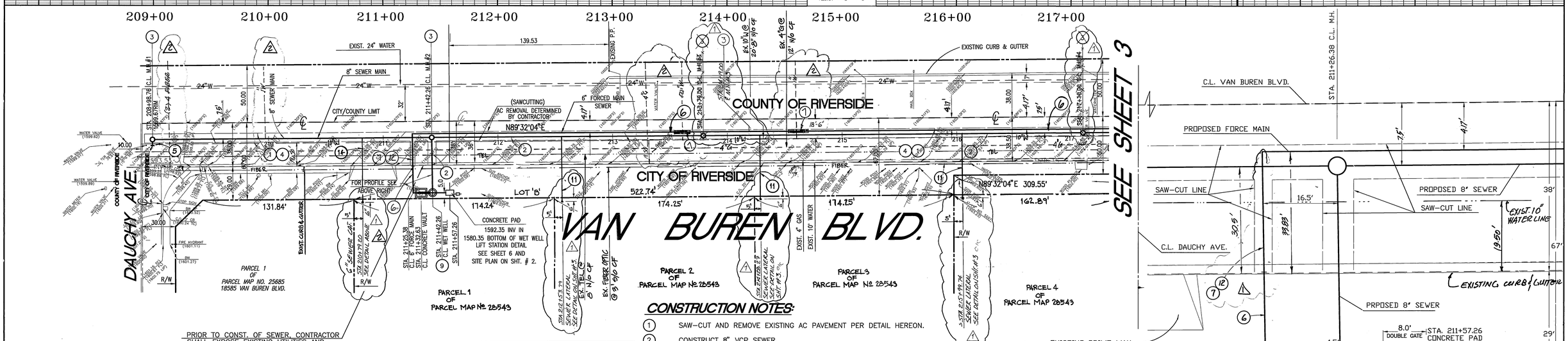
RIVERSIDE HIGH SCHOOL
LIFT STATION
TITLE SHEET
VAN BUREN BLVD. & WOOD ROAD

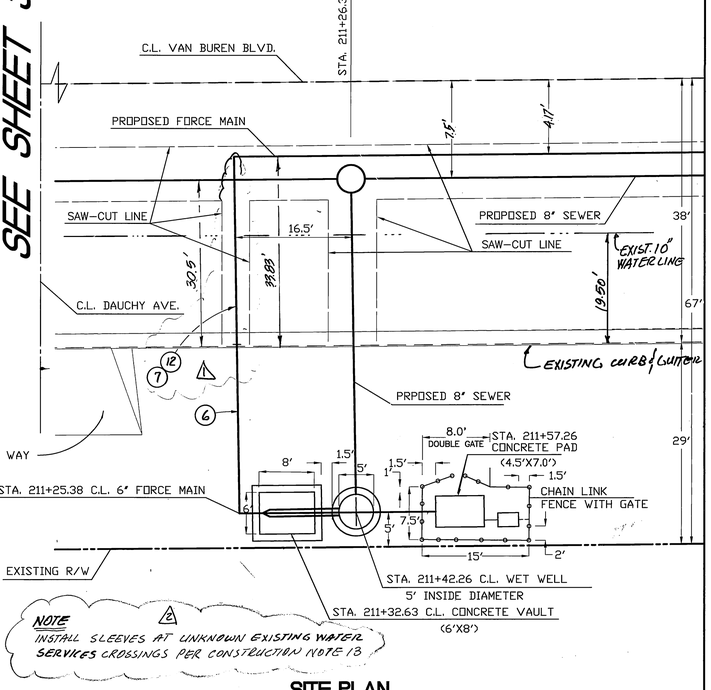
PROJECT NO. S-1685
SHEET 1 OF 6
HORIZ. SCALE: VERT. SCALE: FILE NO.

INDEXED 4-30-98



PROFILE SCALE:
HORIZ. – 1" = 40'
VERT. – 1" = 4'





NOTE
INSTALL SLEEVES AT UNKNOWN EXISTING WATER SERVICES CROSSINGS PER CONSTRUCTION NOTE 13

SITE PLAN
SCALE 1"=10'

CONSTRUCTION NOTES:

1. SAW-CUT AND REMOVE EXISTING AC PAVEMENT PER DETAIL HEREON.
2. CONSTRUCT 8" VCP SEWER.
3. CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 500.
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6. CONSTRUCT 6" P.V.C. FORCE MAIN. SCHEDULE 80.
7. CONSTRUCT SEWER CONCRETE ENCASEMENT PER DETAIL ON SHEET 1.
8. CONSTRUCT 8" D.I.P. SEWER.
9. CONSTRUCT SEWER LIFT STATION PER DETAIL ON SHEET NO. 1 AND 6.
10. CONSTRUCT CLEAN-OUT PER CITY OF RIVERSIDE STD. DWG. NO. 560.
11. CONSTRUCT 4" SEWER LATERAL WITH PL C.O. PER CITY OF RIVERSIDE STANDARD DRAWING Nº 562LA AND 554 CASE-E.
12. CONSTRUCT CONTINOUS SECTION OF CLASS 200 (DR14 PER AWWA (900) PLASTIC PIPE OR EQUIVALENT) (DUCTILE IRON PIPE)
14. CONSTRUCT 6" S LAT. WITH PL CO PER CITY STD. DWG NO 562 A & 554 CASE-E

0 20 40 80 120
SCALE:1"=40'

RECOMMENDED FOR APPROVAL
BOYLE ENGINEERING
DATE: 10/7/97
CHECKED BY: DB

APPROVED BY EDISON CO.
SEE LETTER FROM EDISON CO. DATED MAY 12, 1997

APPROVED BY : DATE : 10/9/97
FOR TRANSPORTATION DEPT., RIVERSIDE COUNTY CALIFORNIA
33951 6/30/98
R.C.E. NO. EXP. DATE

APPROVED BY SOUTHERN CALIFORNIA GAS COMPANY
9-30-97
DATE

APPROVED BY PACIFIC BELL TELEPHONE COMPANY
9/30/97
DATE

BUSINESS TAX CERTIFICATION NO. 041318 EXP. DATE 8/27/97

COUNTY OF RIVERSIDE MS 3705

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TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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REGISTERED PROFESSIONAL ENGINEER Haidook I. Aghaian R.C.E. NO. 043293 Exp. 3-31-00 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
HAIDOOK I. AGHAIAN 10/2/97
R.C.E. 043293 – EXP. 3/31/00
DATE

THIENES ENGINEERING
CIVIL ENGINEERING • LAND SURVEYING
16800 VALLEYVIEW AVENUE
LA MIRADA, CALIFORNIA 90639
(714) 521-4811

1" = 40'
DATE Last Update: 7/21/97
E:\1375\13755EW2

BENCHMARK: BM – P.K. NAIL & TAG E'LY SIDE OF TRAUTWEIN ROAD. 100'± N'LY OF VAN BUREN BOULEVARD, N'LY WALL OF CATCH BASIN, 2' E'LY OF CURB FACE IN S/W. LL 43/PG. 10 ELEV=1674.985 ADJ.

MARK	REVISIONS	APPR.	DATE
2	ADDED 6" SEWER LAT. (CONS. NOTE 14 CONS. NOTE 7 AND WATER SERVICES ON SHT 2)	TJB	11/6/97
	ADDED CONST. NOTE 11 & 12	KHB	4/3/98
1	ADDED SEWER LAT. PROFILES & REV. MAIN SEW.	KHB	4/3/98

DESIGNED BY H.I.A. DRAWN BY H.L. CHECKED BY H.I.A.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		3/16/98
PARK DEPARTMENT		3/16/98
TRAFFIC DIVISION		
DEPUTY P.W. ENGR.		
SEWER SERVICES		10/6/97

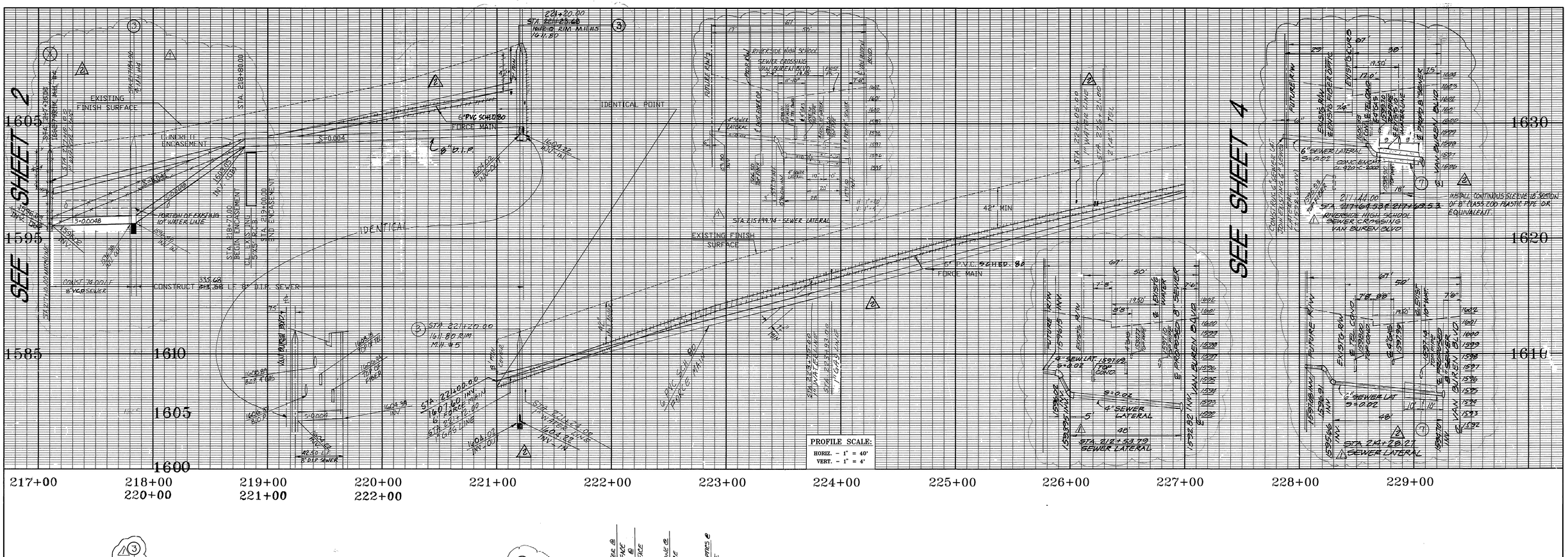
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 3-5-98

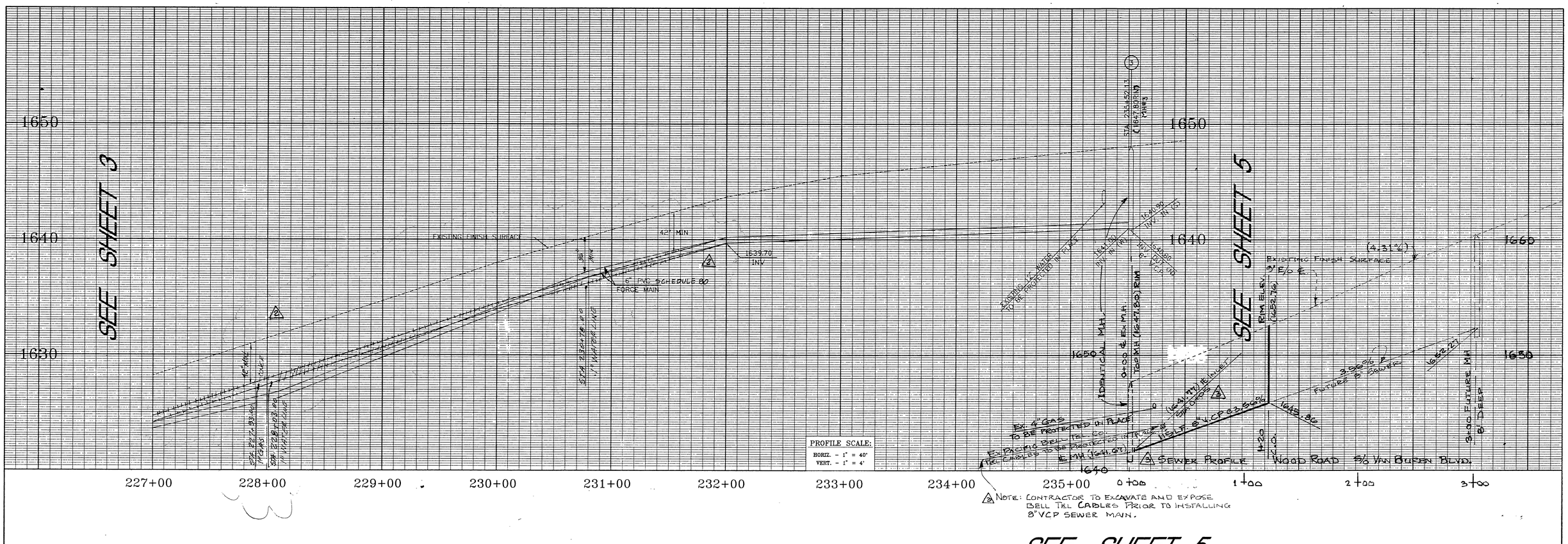
RIVERSIDE HIGH SCHOOL
VAN BUREN BLVD.
DAUCHY AVE. TO WOOD ROAD

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. S-1685
SHEET 2 OF 6
FILE NO.

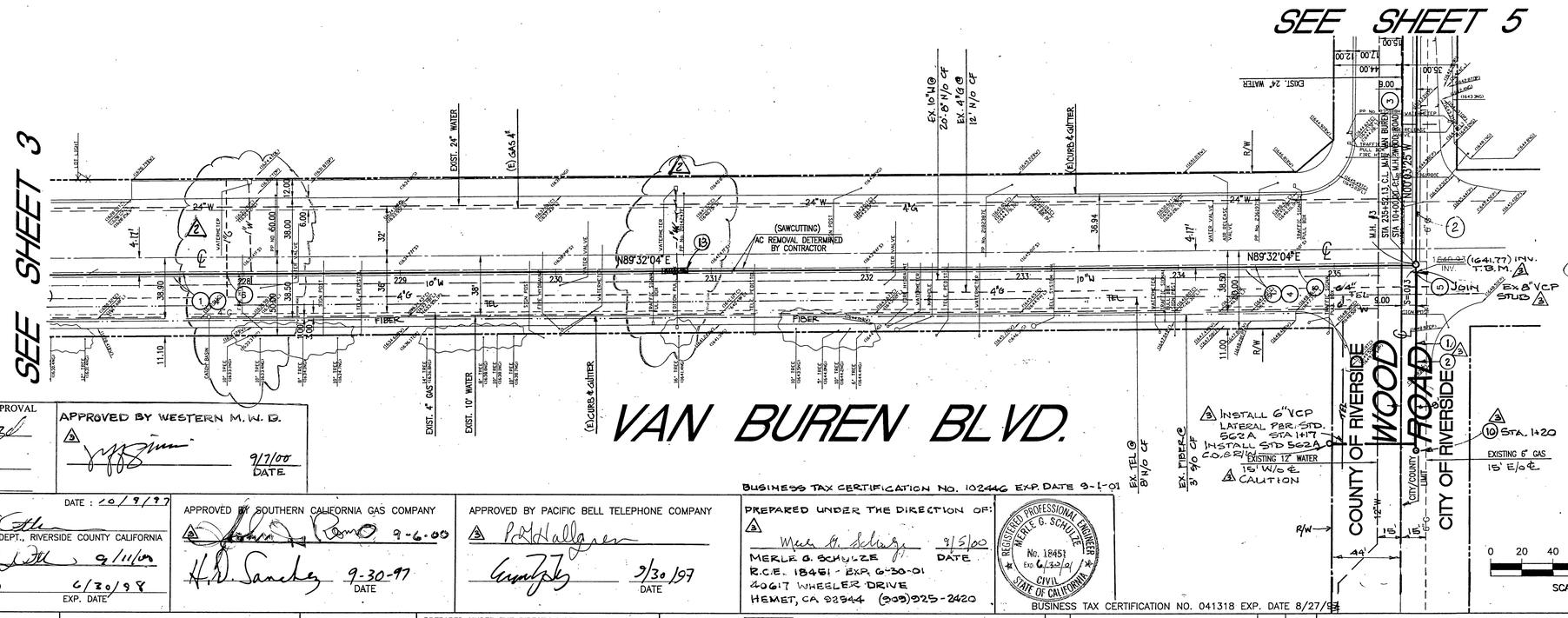
INDEXED 4-30-98 GH


SEE SHEET 2
SEE SHEET 4
EXISTING FINISH SURFACE
CONCRETE ENCASEMENT
PORTION OF EXISTING 10" WATER LINE
CONSTRUCT 333.68 LF 8" D.I.P. SEWER
8" VCP SEWER
6" PVC SCHED 80 FORCE MAIN
8" D.I.P.
IDENTICAL POINT
IDENTICAL
RIVERSIDE HIGH SCHOOL SEWER CROSSING VAN BUREN BLVD.
STA. 215+99.74 SEWER LATERAL
6" P.V.C. SCHED. 80 FORCE MAIN
42" MIN
INSTALL CONTINUOUS SLEEVE 18' SECTION OF 8" CLASS 200 PLASTIC PIPE OR EQUIVALENT.
RIVERSIDE HIGH SCHOOL SEWER CROSSING VAN BUREN BLVD.
STA. 212+53.79 SEWER LATERAL
STA. 214+28.27 SEWER LATERAL
6" SEWER LAT. S=0.02
4" SEWER LATERAL
FUTURE R/W
EXISTING R/W
VAN BUREN BLVD
PROPOSED 8" SEWER
EXISTING FIBER OPTIC
CONCRETE ENCASEMENT
PROPOSED 6" SEWER
PROPOSED 8" SEWER
PROPOSED 8" SEWER
PROPOSED 8



SEWER PROFILE WOOD ROAD S/O VAN BUREN BLVD.

NOTE: CONTRACTOR TO EXCAVATE AND EXPOSE BELL TEL CABLES PRIOR TO INSTALLING 8"VCP SEWER MAIN.



CONSTRUCTION NOTES:

1. SAW-CUT AND REMOVE EXISTING AC PAVEMENT PER DETAIL SHEET 1.
2. CONSTRUCT 8" VCP SEWER.
3. CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 500.
4. CONSTRUCT AC OVER AB PER TRENCH DETAIL (SHT. 1).
5. CONSTRUCT 8" VCP – 5' STUB WITH PLUG.
6. CONSTRUCT 6" P.V.C. FORCE MAIN. SCHEDULE 80.
7. CONSTRUCT SEWER CONCRETE ENCASEMENT PER DETAIL SHEET 1.
8. CONSTRUCT 8" D.I.P. SEWER.
9. CONSTRUCT SEWER LIFT STATION PER DETAIL ON SHEET NO. 1 AND 6.
10. CONSTRUCT CLEAN-OUT PER CITY OF RIVERSIDE STD. DWG. NO. 560.

13 INSTALL CONTINOUS SLEEVE 18' SECTION OF 8" CLASS 200 (OR 14 PER APWA (C-900) PLASTIC PIPE OR EQUIVALENT) (DUCTILE I. PIPE) 2

3 NOTE TO CONTRACTOR. TRENCH TO BE BACKFILLED WITH 2 SACK SLURRY MIX. REPAVE WITH PERMANENT A.C. DITCH PATCH PER STD 453. REINSTALL TRAFFIC SIGNAL LOOPS AND WIRES PER COUNTY OF RIVERSIDE. CONTRACTOR TO OBTAIN R.W. CO. PERMIT FOR WORK TO BE DONE IN CO. OF RIVERSIDE.

NOTE
INSTALL SLEEVES AT UNKNOWN EXISTING WATER SERVICES CROSSING PER CONSTRUCTION NOTE 13 2

NOTE:
INSTALL 6" PVC FORCE MAIN 42" MINIMUM BELOW EXISTING FINISH SURFACE.

COUNTY OF RIVERSIDE MS 3705

RECOMMENDED FOR APPROVAL
BOYLE ENGINEERING
DATE: 10/7/97
CHECKED BY: TMB

APPROVED BY WESTERN M.W.D. 3 — 9/7/00 DATE

APPROVED BY: DATE: 10/9/97
FOR TRANSPORTATION DEPT., RIVERSIDE COUNTY CALIFORNIA
3 — 9/11/00
33950 — 6/30/98
R.C.E. NO. — EXP. DATE

APPROVED BY SOUTHERN CALIFORNIA GAS COMPANY 2 — 9-6-00
9-30-97 DATE

APPROVED BY PACIFIC BELL TELEPHONE COMPANY 3 — 9/30/97 DATE

PREPARED UNDER THE DIRECTION OF: 3
MERLE G. SCHULZE
R.C.E. 18461 - EXP. 6-30-01
40617 WHEELER DRIVE
HEMET, CA 92544 (909)925-2420
9/5/00 DATE

REGISTERED PROFESSIONAL ENGINEER MERLE G. SCHULZE No. 18461 Exp. 6/30/01 CIVIL STATE OF CALIFORNIA

BUSINESS TAX CERTIFICATION NO. 102446 EXP. DATE 9-1-01

BUSINESS TAX CERTIFICATION NO. 041318 EXP. DATE 8/27/97

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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REGISTERED PROFESSIONAL ENGINEER Haidook I. Aghaian R.C.E. NO. 043293 Exp. 3-31-00 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
HAIDOOK I. AGHAIAN
R.C.E. 043293 – EXP. 3/31/00
10/2/97 DATE

THIENES ENGINEERING
CIVIL ENGINEERING • LAND SURVEYING
16800 VALLEYVIEW AVENUE
LA MIRADA, CALIFORNIA 90639
(714) 521-4811

1" = 40'
DATE Last Update: 7/8/97
E:\1370\13755EW4

BENCHMARK: BM – P.K. NAIL & TAG E'LY SIDE OF TRAUTWEIN ROAD, 100'± N'LY OF VAN BUREN BOULEVARD, N'LY WALL OF CATCH BASIN, 2' E'LY OF CURB FACE IN S/W. LL 43/PG. 10
ELEV=1674.985 ADJ.

MARK	REVISIONS	APPR.	DATE
3	ADDED 115 L.F. 8" VCP ON WOOD	DB	9/19/00
2	ROAD & 6" VCP LATERAL	MA	9/19/00
1	ADJUST 6" FORCE MAIN, ADDED WATER SERVICES, CONST. NOTE 13	DB	11/8/99

DESIGNED BY H.I.A. DRAWN BY H.L. CHECKED BY H.I.A.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		10/14/97
PARK DEPARTMENT		10/14/97
TRAFFIC DIVISION		
DEPUTY P.W. ENGR.		
SEWER SERVICES		10/14/97

APPROVED BY Richard M. Scott DIRECTOR OF PUBLIC WORKS
DATE 3-5-98

RIVERSIDE HIGH SCHOOL
VAN BUREN BLVD.
DAUCHY AVE. TO WOOD ROAD

PROJECT NO. S-1685
SHEET 4 OF 6
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
FILE NO.

INDEXED 4-30-98

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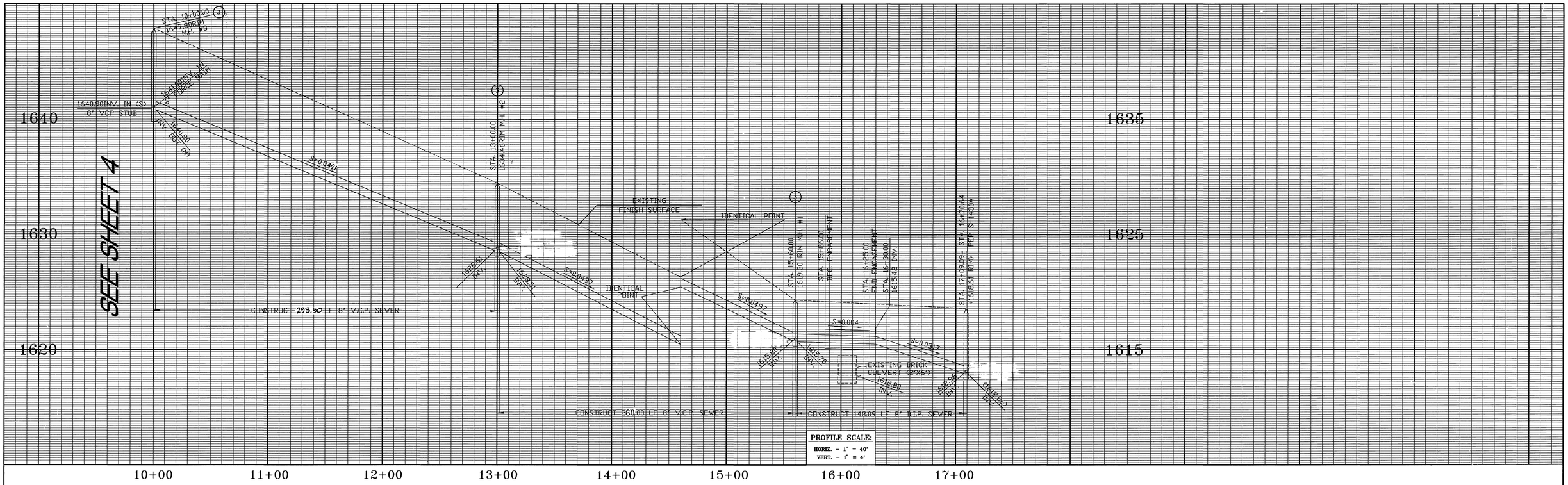
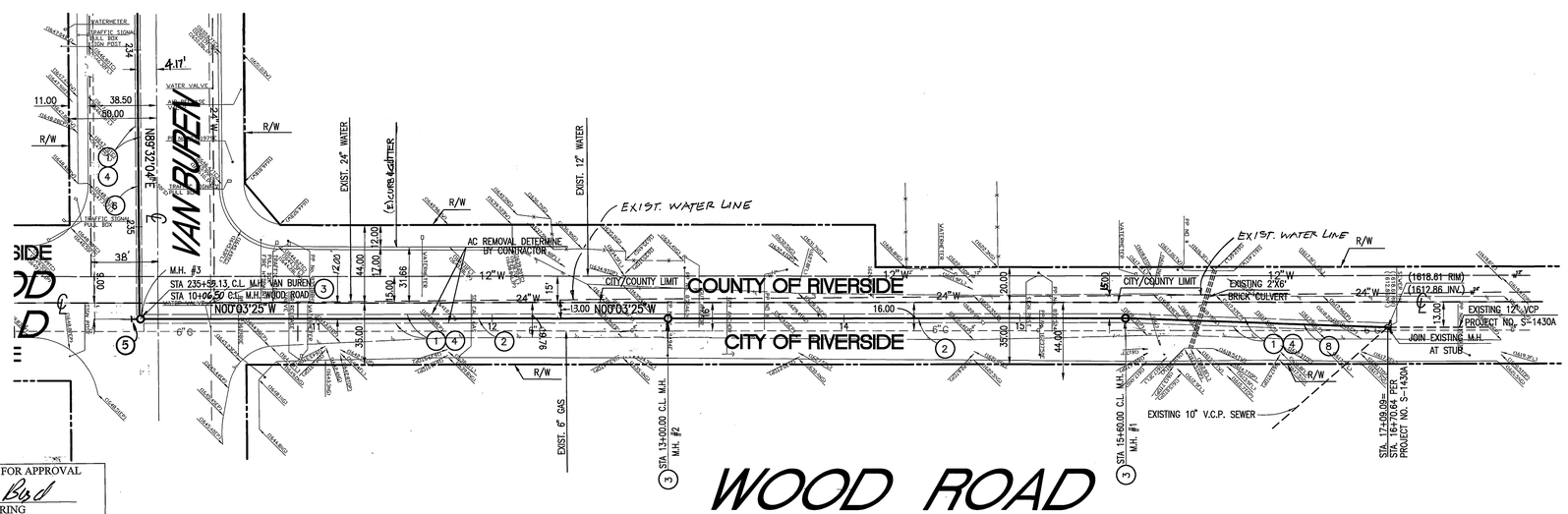


PROFILE SCALE:
HORIZ. – 1" = 40'
VERT. – 1" = 4'

SEE SHEET 4



WOOD ROAD

CONSTRUCTION NOTES:

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4. CONSTRUCT AC OVER AB PER TRENCH DETAIL ON SHT. 1.
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8. CONSTRUCT 8" D.I.P. SEWER.
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10. CONSTRUCT CLEAN–OUT PER CITY OF RIVERSIDE STD. DWG. NO. 560.

0 20 40 80 120
SCALE:1"=40

RECOMMENDED FOR APPROVAL
BOYLE ENGINEERING
DATE: 10/7/97
CHECKED BY: DB

APPROVED BY : DATE : 10/9/97
FOR TRANSPORTATION DEPT., RIVERSIDE COUNTY CALIFORNIA
33950 R.C.E. NO. 6/30/98 EXP. DATE

APPROVED BY SOUTHERN CALIFORNIA GAS COMPANY
9-30-97 DATE

APPROVED BY PACIFIC BELL TELEPHONE COMPANY
09/30/97 DATE

BUSINESS TAX CERTIFICATION NO. 041318 EXP. DATE 8/27/97

COUNTY OF RIVERSIDE MS 3705

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REGISTERED PROFESSIONAL ENGINEER
Haidook I. Aghaian
R.C.E. NO. 043293
Exp. 3–31–00
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
HAIDOOK I. AGHAIAN 10/2/97 DATE
R.C.E. 043293 – EXP. 3/31/00

1" = 40'
DATE Last Update:7/8/97
E:\1370\13755EW5

THIENES ENGINEERING
CIVIL ENGINEERING•LAND SURVEYING
18800 VALLEYVIEW AVENUE
LA MIRADA, CALIFORNIA 90639
(714) 521–4811

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MARK	REVISIONS	APPR.	DATE

DESIGNED BY H.I.A. DRAWN BY H.L. CHECKED BY H.I.A.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		10/8/97
PARK DEPARTMENT		10/14/97
TRAFFIC DIVISION		
DEPUTY P.W. ENGR.		
SEWER SERVICES		10/1/97

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 3-5-98

RIVERSIDE HIGH SCHOOL
WOOD ROAD
VAN BUREN BLVD.
NORTHERLY 700'

PROJECT NO. S-1685
SHEET 5 OF 6
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
FILE NO.

INDEXED 4-30-98 4H

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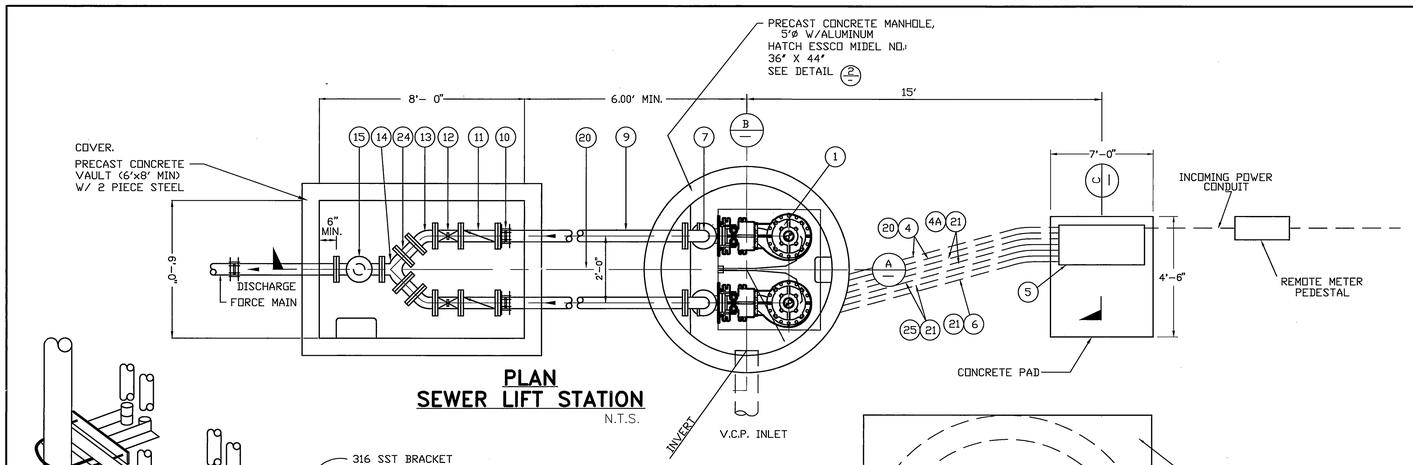
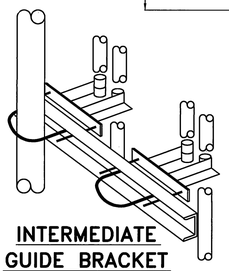
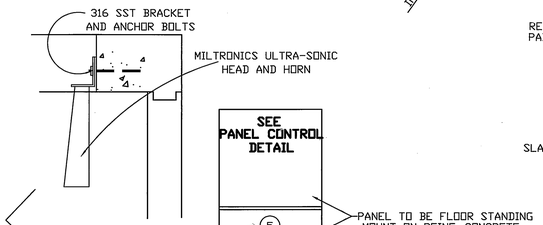
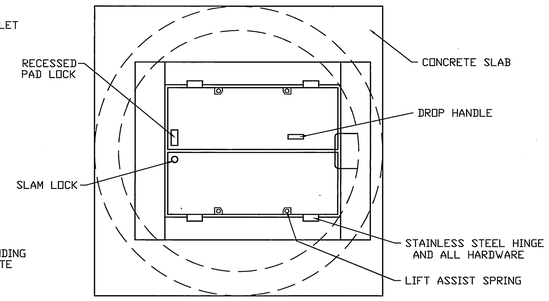


PLAN
SEWER LIFT STATION
N.T.S.

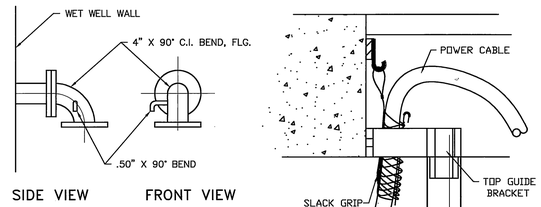


INTERMEDIATE GUIDE BRACKET
N.T.S.



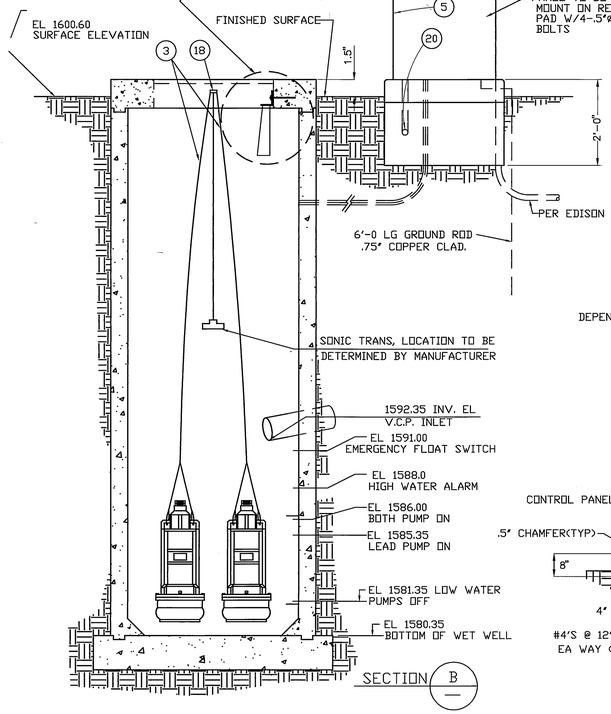


DETAIL 2 NOT TO SCALE

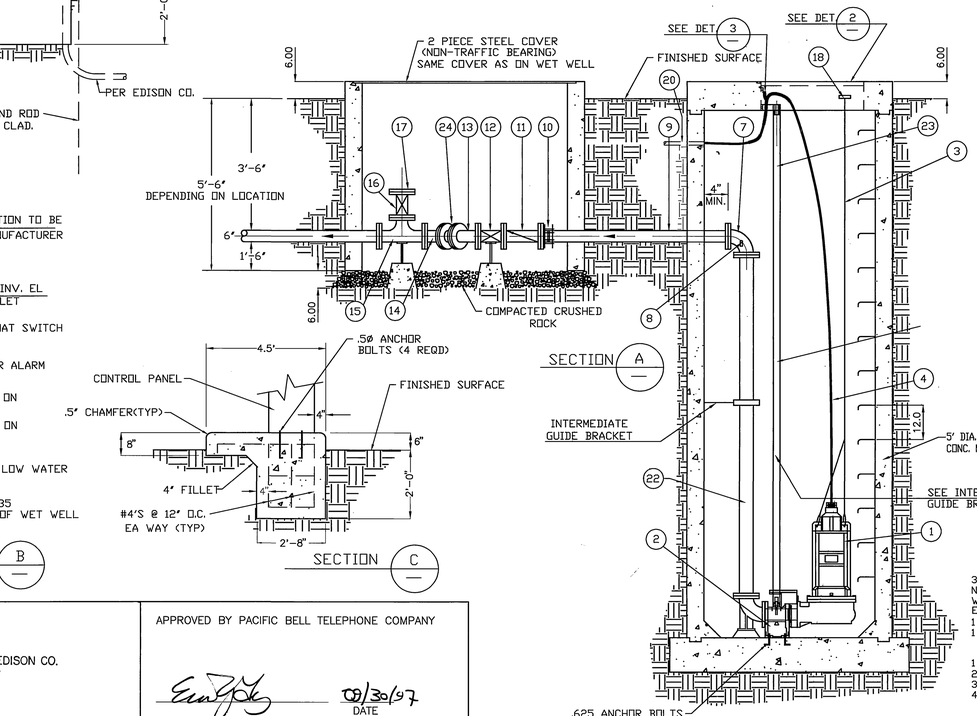


RECIRCULATOR/AIR RELEASE DETAIL

DETAIL 3



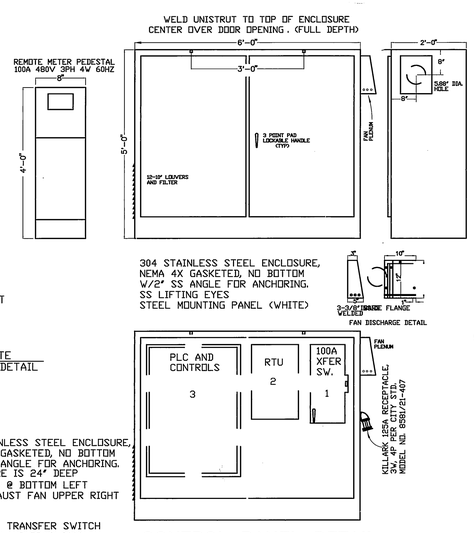
SECTION B



SECTION C

304 STAINLESS STEEL ENCLOSURE, NEMA 4X GASKETED, NO BOTTOM W/2" SS ANGLE FOR ANCHORING. ENCLOSURE IS 24" DEEP
1 LOUVER @ BOTTOM LEFT
1 6" EXHAUST FAN UPPER RIGHT

1 MANUAL TRANSFER SWITCH
2 MOTOROLA INTRAC 2000
3 CONTROL ENCLOSURE
4 48" LONG FLUORESCENT LIGHT (NOT SHOWN FOR CLARITY)



CONTROL PANEL DETAIL
N.T.S.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. SUPERVISON FOR INSTALLATION, START-UP AND TESTING TO BE PROVIDED BY MANUFACTURER'S REPRESENTATIVE AS PART OF THE EQUIPMENT PURCHASE CONTRACT.
3. CONCRETE SHALL BE PORTLAND CEMENT CONCRETE AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
4. ALL FITTINGS AND VALVES SHALL BE CAST IRON, CLASS 125.
5. ALL ELECTICAL WIRING AND EQUIPMENT INSTALLED IN THE "WET WELL" SECTION MUST COMPLY W/ ARTICLE 22 OF THE ELECTRICAL SAFETY ORDERS FOR CLASS 1, DIVISION 1, HAZARDOUS LOCATION PROVISIONS OF THE "NATIONAL ELECTRICAL CODE" AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES.
6. ALL CONDUITS SHALL BE P.V.C., SCHEDULE 80, OR APPROVED EQUAL.
7. ALL ELECTRICAL WIRE SHALL BE "RHW" OR "THW" COPPER CONDUCTOR, OR APPROVED EQUAL.
8. THE FLOOR OF THE WET WELL SHALL BE SMOOTH AND LEVEL.
9. PUMP MOTORS WILL PULL EXCESS AMPS IF RUNNING BACKWARDS.
11. ALL PRACTICES AND PROCEEDURES, MATERIALS AND PLACEMENT OF MATERIALS SHALL CONFORM IN EVERY RESPECT TO THE "STANDARD PLANS AND SPECIFICATIONS; OF THE CITY OF RIVERSIDE.
12. ALL NUTS, BOLTS, AND WASHERS SHALL BE 304 S.S./316 S.S. NO EXCEPTIONS.

MATERIALS SCHEDULE

ITEM	DESCRIPTION	SIZE	QTY
1	SUBMERSIBLE SEWAGE PUMP, ESSCO MODEL 4X12, SIZE 9, HEAVY DUTY NON-CLOG VORTEX TORQUE FLUID PUMP. 208 GPM AT 62 FT. T.D.H.; RELIANCE SUBMERSIBLE MOTOR, 10 H.P. AT 1750 R.P.M. U.L. TEXP. CLASS 1, GROUP D, W/25 FT. OF 9 WIRE CONTROL & POWER CABLE. TWO SEPARATE SEALS, OIL LUBRICATED 30 DAY WARNING SYSTEM, N/C THERMAL PROTECTION W/ ESSCO COOL AGIVENT® APARATUS, (PATENT NO. 4,134,711)		
2	SPARK PROOF SLIDE RAIL ASSEMBLY FOR USE IN HAZARDOUS LOCATIONS. (NO EXCEPTIONS)		
3	LIFTING CABLE, 3/8" 7x19x316 S.S., NYLON COVERED, 6300' lb. TENSILE STRENGTH.		
4	POWER CABLE, SHALL BE U.L. LISTED 8/4 SOW 1"ø (1 REQD) FOR EACH PUMP MOTOR		
4A	CONTROL CABLE, SHALL BE U.L. LISTED 18/5 SOW 1/2"ø		
5	PUMP CONTROL PANEL SHALL BE CUSTUM MADE, NEMA 3=R, 304 SS U.L.. LISTED, VANDAL PROOF, DOUBLE DOOR, FACTORY WIRED AND TESTED , PRESET TESTED; PRESET ECECTRICAL CONTROL PANEL; INDICATING LIGHTS AS REQD., RELAYS, HOA; COMBINATION STARTERS W/ QUICK-TRIP HEATERS; PUMP ALTERNATORS.		
6	16/2 SOW FLOAT SWITCH CORP. CLAMPS AS REQUIRED.		
7	FLANGED CAST IRON 90° BEND.		
8	WASH DOWN AND VACUUM BREAKER (ESSCO PATENT)		
9	FLANGED x PLAIN END CAST IRON SPOOL.		
10	FLANGED CAST IRON COUPLING ADAPTOR (BAKER STYLE 601 OR APPROVED EQUAL).		
11	FLANGED SWING CHECK VALVE, W/LEVER & WEIGHT.(IBBM)		
12	FLANGED GATE VALVE, NON RISING STEM.(IBBM)		
13	FLANGED CAST IRON 45° BEND.		
14	FLANGED CAST IRON TRUE WYE.		
15	FLANGED CAST IRON TEE.		
16	FLANGED GATE VALVE, NON-RISING STEM.(IBBM)		
17	CAST IRON BLIND FLANGE.		
18	EYE BOLT, .50"ø S.S.		
20	2"ø ELECTRICAL CONDUIT (PVC SCH. 80 OR APPROVED EQUAL)		
21	.75"ø CONDUIT (PVC SCH. 80 OR APPROVED EQUAL)		
22	RIGID CLASS 125 DIP DISCHARGE PIPE FXF.		
23	2" 304 STAINLESS STL. SCH. 40 GUIDE PIPE		
24	FLANGED BY FLANGED CIP SPOOL (SPACER)		

NOTES TO CONTRACTOR:

1. CONTRACTOR SHALL PROVIDE ALL SHORING FOR SEWER AND STORM DRAIN CONSTRUCTION AS NECESSARY TO MAINTAIN ALL EXISTING TRAFFIC LANES.
2. CONTRACTOR SHALL REMOVE AND REPLACE AC PAVEMENT TO MATCH EXISTING FOR SEWER AND STORM DRAIN CONSTRUCTION.
3. CONTRACTOR SHALL PROVIDE DETOURING PLANS FOR VAN BUREN AVENUE AND WOOD ROAD FOR SEWER CONSTRUCTION, AND PROCESS THROUGH CITY AND COUNTY TRANSPORTATION DEPARTMENT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTION OF TRAFFIC SIGNAL LOOP SENSORS, SIGNAL, STREET LIGHTING AND INTERCONNECT CONDUITS. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPLACE DAMAGED FACILITY AT NO COST TO THE OWNER.
5. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE FOURTEEN FOOT WIDE TRAVEL LANE IN EACH DIRECTION AND ACCESS TO ALL ADJACENT PROPERTIES DURING AND AFTER WORKING HOURS ON WOOD ROAD AND VAN BUREN AVENUE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROVIDING TEMPORARY STRIPING LEFT TURN POCKETS AND SIGNAL PHASING AT THE INTERSECTION OF WOOD ROAD AND VAN BUREN AVENUE.
6. AT THE END OF WORK DAY, EXCAVATIONS SHALL BE FENCED AND BARRICADED. TRENCHES SHALL BE FILLED PAVED AND BARRICADED TO ALLOW SAFE MOVEMENT OF TRAFFIC.
7. THE CONTRACTOR SHALL MAINTAIN ON A 24 HOUR BASIS ALL SIGNS, DELINEATION BARRICADES TO INSURE PROPER FLOW AND SAFETY OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIME DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE STRIPING, SIGNS AND TRAFFIC SIGNAL LOOP SENSORS TO ITS ORIGINAL STATE AFTER COMPLETION OF CONSTRUCTION.
9. CONTRACTOR SHALL PHASE SEWER CONSTRUCTION ON VAN BUREN AVENUE AND WOOD ROAD IN ORDER TO PROVIDE FOURTEEN FOOT TRAVEL LANE ON VAN BUREN AVENUE IN EACH DIRECTION AND ONE TRAVEL LANE IN EACH DIRECTION ON WOOD ROAD.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL NECESSARY CALCULATIONS PLANS AND DETAILS FOR ALL SHORING REQUIRED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROCESSING SHORING PLANS THRU THE LOCAL AGENCY FOR APPROVAL.
11. THE 100 AMG PLUG AND RECEPTACLE MUST BE KILLARK 8581/21-407 AND 8581/22-407. SEE ATTACHED CUT SHEET. A JUMPER CABLE FROM THE CONTROL PANEL TO THE CITY GENERATOR MUST BE PROVIDED.
12. A MOTOROLA MAST AND YAGI ANTENNA MUST BE PROVIDED AND COMMUNICATION WITH THE PLANT BASE STATION ESTABLISHED.
13. THE CONTRACTOR MUST SUBMIT DETAILED CONSTRUCTION DRAWINGS FOR THE CONTROL PANEL INCLUDING EXACT COMPONENT LOCATIONS AND WIRE NUMBERING.
14. THE CITY MUST BE GIVEN THE OPPORTUNITY TO INSPECT THE PANEL DURING CONSTRUCTION TO ENSURE PROPER WORKMANSHIP AND CONFORMANCE TO CITY REQUIREMENTS.
15. THE CONTRACTOR MUST SUBMIT A DETAILED LAYOUT OF CONTROL PANEL FRONT.

APPROVED BY : DATE :

FOR TRANSPORTATION DEPT., RIVERSIDE COUNTY CALIFORNIA

R.C.E. NO. EXP. DATE

APPROVED BY EDISON CO.

SEE LETTER FROM EDISON CO. DATED MAY 12, 1997

APPROVED BY PACIFIC BELL TELEPHONE COMPANY

08/30/97 DATE

BUSINESS TAX CERTIFICATION NO. 041318 EXP. DATE 8/27/97

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REGISTERED PROFESSIONAL ENGINEER Haidook I. Aghaian R.C.E. NO. 043293 Exp. 3-31-00 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
HAIDOOK I. AGHAIAN 10/2/97 DATE
R.C.E. 043293 – EXP. 3/31/00

THIENES ENGINEERING
CIVIL ENGINEERING•LAND SURVEYING
16800 VALLEYVIEW AVENUE
LA MIRADA, CALIFORNIA 90639
(714) 521-4811

1" = 40'
DATE Last Update: 7/21/97 E:\1375\13755EW6

BENCHMARK: BM – P.K. NAIL & TAG E'LY SIDE OF TRAUTWEIN ROAD. 100'± N'LY OF VAN BUREN BOULEVARD, N'LY WALL OF CATCH BASIN, 2' E'LY OF CURB FACE IN S/W. LL 43/PG. 10 ELEV=1674.985 ADJ.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY H.I.A. DRAWN BY H.L. CHECKED BY H.I.A.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		5/16/98
PARK DEPARTMENT		5/11/98
TRAFFIC DIVISION		
DEPUTY P.W. ENGR.		
SEWER SERVICES		5/1/98

APPROVED BY Richard M. Scott
DIRECTOR OF PUBLIC WORKS
DATE 3-5-98

RIVERSIDE HIGH SCHOOL
LIFT STATION
DETAILS

PROJECT NO. S-1685
SHEET 6 OF 6
HORIZ. SCALE: VERT. SCALE: FILE NO.

INDEXED 4-30-98