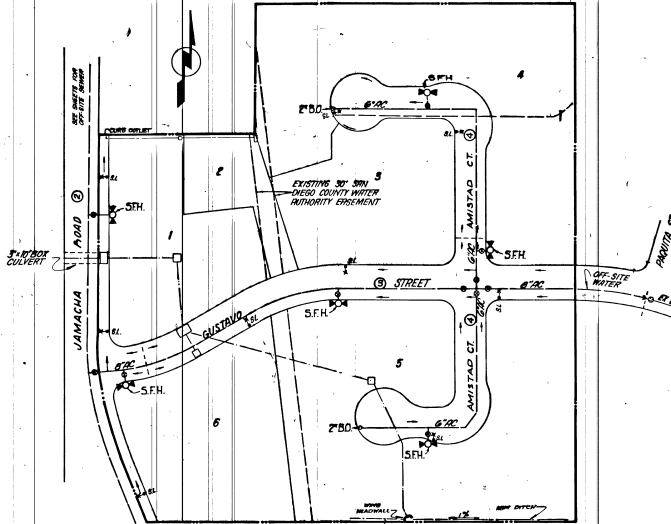


GENERAL NOTES

- EACH LOT SHALL RECEIVE A 4" V.C. SEWER LATERAL SET ON A MINIMUM GRADE OF 2% WITH A MINIMUM 3' DROP TO THE MAIN, AND INVERT SHALL BE A DEPTH OF 5' 0" BELOW TOP OF CURB ELEVATION AT PROPERTY LINE, UNLESS OTHERWISE NOTED. THE LATERALS SHALL BE CONSTRUCTED PERPENDICULAR TO THE SEWER MAIN UNLESS OTHERWISE NOTED, AND "AS CONSTRUCTED" LOCATIONS SHALL BE SHOWN ON THESE PLANS IN INK BEFORE THE HELIX IRRIGATION DISTRICT FOR THE CITY. THE ENGINEER OF WORK SHALL, UPON THE DEMAND OF THE CITY ENGINEER OR INSPECTOR, FURNISH INFORMATION AND LOCATION OF ANY LATERAL IN THIS SUBDIVISION.
- THE CONTRACTOR SHALL MAKE THE LETTER "S" IN THE CURB AT THE SEWER LATERAL LOCATION FOR EACH LOT.
- EACH LOT SHALL RECEIVE A 1" COPPER WATER LATERAL AND THE LOCATION SHALL BE AS DETERMINED BY THE ENGINEER OF WORK. THE LATERALS SHALL BE CONSTRUCTED PERPENDICULAR TO THE MAIN AND THE "AS CONSTRUCTED" LOCATION SHALL BE CORRECTED ON THE ORIGINAL AND CORRECTED BROWN LINES SUBMITTED TO THE HELIX IRRIGATION DISTRICT FOR THEIR APPROVAL PRIOR TO NOTICE OF COMPLETION. THE LETTER "W" WILL BE STAMPED ON THE CURB AT EACH LATERAL LOCATION.
- ALL WATER MAINS ARE TO BE OF CLASS 150.
- THE CONTRACTOR SHALL FURNISH SOIL BEARING TEST FOR DETERMINING PAVEMENT BASE REQUIREMENT.
- ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVING.
- THE CONTRACTOR SHALL PROVIDE BARRICADES, SAFETY DEVICES AND DUST CONTROL AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL HAVE ALL CURB AND CROSS GUTTER FORMS INSPECTED BEFORE CONCRETE IS POURED.
- DRIVEWAY LOCATIONS ARE SHOWN HEREON.
- THE SITE GRADING OF LOTS SHALL SLOPE TOWARD THE STREET SO THERE WILL BE NO PONDING OF WATER WITHIN THE AREA.
- FILL AREAS SHALL HAVE A 90% RELATIVE COMPACTION PRIOR TO PIPELINE INSTALLATION.
- ANY R/W MONUMENTS DISTURBED DURING GRADING OR CONSTRUCTION SHALL BE REPLACED.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS, BOTH HORIZONTAL AND VERTICAL, OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE NECESSARY ARRANGEMENTS WITH THE RESPECTIVE UTILITY COMPANIES FOR THE REMOVAL OR RELOCATION OR PROTECTION OF EXISTING FACILITIES. PLANT ALL SLOPES WITH APPROVED GROUND COVER. ALL GROUND COVER TO BE APPROVED BY THE DIRECTOR OF PARKS AND RECREATION IN WRITING PRIOR TO PLANTING. MAINTAIN ALL SLOPES UNTIL ADEQUATE COVER OBTAINED.
- CROSS CURBS SHALL BE INSTALLED AT EAST END OF CURBS ON GUSTAVO ST. PER FS-11.
- STRUCTURAL CONCRETE SHALL BE 3000 PSI MIN. IN 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C31 AND C33.
- BENCH MARKS TO BE SUPPLIED BY THE CITY OF EL CAJON AND INSTALLED AS SHOWN ON THESE PLANS.
- LOCATION AND ELEVATION OF IMPROVEMENT TO BE SET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF NEW WORK.
 - CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
 - BEFORE EXCAVATING FOR THIS CONTRACT VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.
 - CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
 - CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 232-4252 EXT. 1569.
 - CONTRACTOR SHALL NOTIFY THE PACIFIC TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 232-0535.
- NOTICE: ALL TELEPHONE SERVICES WITHIN THIS SUBDIVISION ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE PACIFIC TELEPHONE COMPANY. PHONE: 232-0535.
- NOTICE: ALL ELECTRICAL AND GAS SERVICES WITHIN THIS SUBDIVISION ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF ELECTRICAL AND GAS PIPING AND APPURTENANCES CONTACT THE SAN DIEGO GAS & ELECTRIC COMPANY. PHONE: 232-4252 EXT. 1569.
- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE THEREFORE.
- CONTRACTOR SHALL NOTIFY THE SAN DIEGO COUNTY WATER AUTHORITY PRIOR TO STARTING WORK NEAR AUTHORITY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 297-3218.
- CONTRACTOR SHALL NOTIFY THE HELIX IRRIGATION DISTRICT PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 466-0585.
- CONTRACTOR SHALL NOTIFY THE STATE DIVISION OF HIGHWAYS PRIOR TO WORKING WITHIN EXISTING JAMACHA ROAD (RIGHT OF WAY (STATE ROUTE 54)). AN ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK WITHIN EXISTING RIGHT OF WAY. TELEPHONE: 297-4501. PERMIT NO. J171-E-702,200

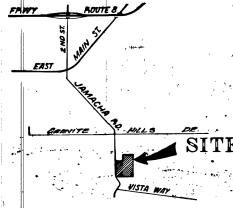
JAMACHA GREENS



KEY MAP

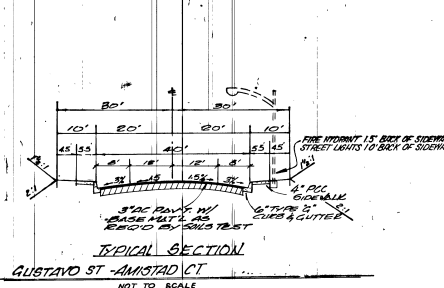
SCALE: 1"=100'

○ - SHEET NO.



VICINITY MAP

NOT TO SCALE



TYPICAL SECTION - JAMACHA RD.

NOT TO SCALE

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS AND THE STANDARD DETAILS OF THE CITY OF EL CAJON AS ADOPTED MARCH 21, 1960 AND THE STANDARD SPECIFICATIONS AND STANDARD DRAWINGS OF THE HELIX IRRIGATION DISTRICT.

THE GRADING OF THE STREETS SHOWN THUS: - - - - -

THE CONSTRUCTION OF TYPE "G" CURBS - - - - - FS-1

THE CONSTRUCTION OF 6" P.C.C. CROSS GUTTERS - - - - - FS-5

THE CONSTRUCTION OF 8" EXTRA STRENGTH SEWER - - - - - FS-101

THE CONSTRUCTION OF 4" V.C. SEWER LATERALS - - - - - FS-102

THE CONSTRUCTION OF SEWER MANHOLES - - - - - FS-103

THE CONSTRUCTION OF A.C. WATER MAIN CLASS 150 - - - - - FS-104

THE CONSTRUCTION OF GATE VALVES - - - - - FS-105

THE CONSTRUCTION OF 6" FIRE HYDRANT 2-2 1/2" & 1-4" OUTLET WITH GATE VALVE - - - - - FS-106

THE CONSTRUCTION OF 1" COPPER REQUIRED WATER LATERALS - - - - - FS-107

THE INSTALLATION OF BARRICADES - - - - - FS-9

THE INSTALLATION OF DUAL STREET NAME SIGN - - - - - FS-10

THE CONSTRUCTION OF SURFOT FLOW FULLY CULMINOUS LINED CONC. ASPHALT - - - - - FS-210

THE CONSTRUCTION OF STORM DRAIN CLEANOUT - - - - - FS-210

THE CONSTRUCTION OF WING TYPE HEADWALL PER CITY OF SAN DIEGO STD DWS D-2 - - - - - FS-303

THE CONSTRUCTION OF STREET LIGHTS - - - - - FS-303, FS-304

THE CONSTRUCTION OF 4" P.C.C. SIDEWALKS - - - - - FS-2

THE CONSTRUCTION OF 2" A.C. ON COMPACTED NATIVE MATERIAL - - - - - FS-302

THE CONSTRUCTION OF SURVEY MONUMENTS - - - - - FS-11

THE CONSTRUCTION OF CUTOFF WALL - - - - - FS-11

THE PLANTING OF PARKWAY TREES AT 40' INTERVALS PER DIRECTOR OF PARKS & RECREATION.

THE INSTALLATION OF "NOT-A-THROUGH-STREET" SIGN - - - - - FS-203

THE INSTALLATION OF BENCH MARKS - - - - - FS-204

THE CONSTRUCTION OF A TYPE "H" CURB INLET - - - - - FS-206

THE CONSTRUCTION OF A 3'x10' BOX CULVERT PER STATE DIVISION OF HIGHWAYS STANDARD DRAWING NO. 1001 DESIGN LOAD "H" - - - - - FS-206

THE CONSTRUCTION OF TYPE "H" INLET PER COUNTY OF SAN DIEGO ENGR STD DWS-107.2 - - - - - FS-8

THE CONSTRUCTION OF GRAVITY HEADWALL - - - - - FS-107

THE CONSTRUCTION OF 6" BERM - - - - - FS-107

THE CONSTRUCTION OF CURB, OUTLET - - - - - FS-107

THE CONSTRUCTION OF CONCRETE ENCASUREMENT - - - - - FS-107

THE CONSTRUCTION OF 3" INLET PER COUNTY OF SAN DIEGO ENGR DWS 106-1 - - - - - FS-107

THE CONSTRUCTION OF 18" (1350-0) - - - - - FS-107

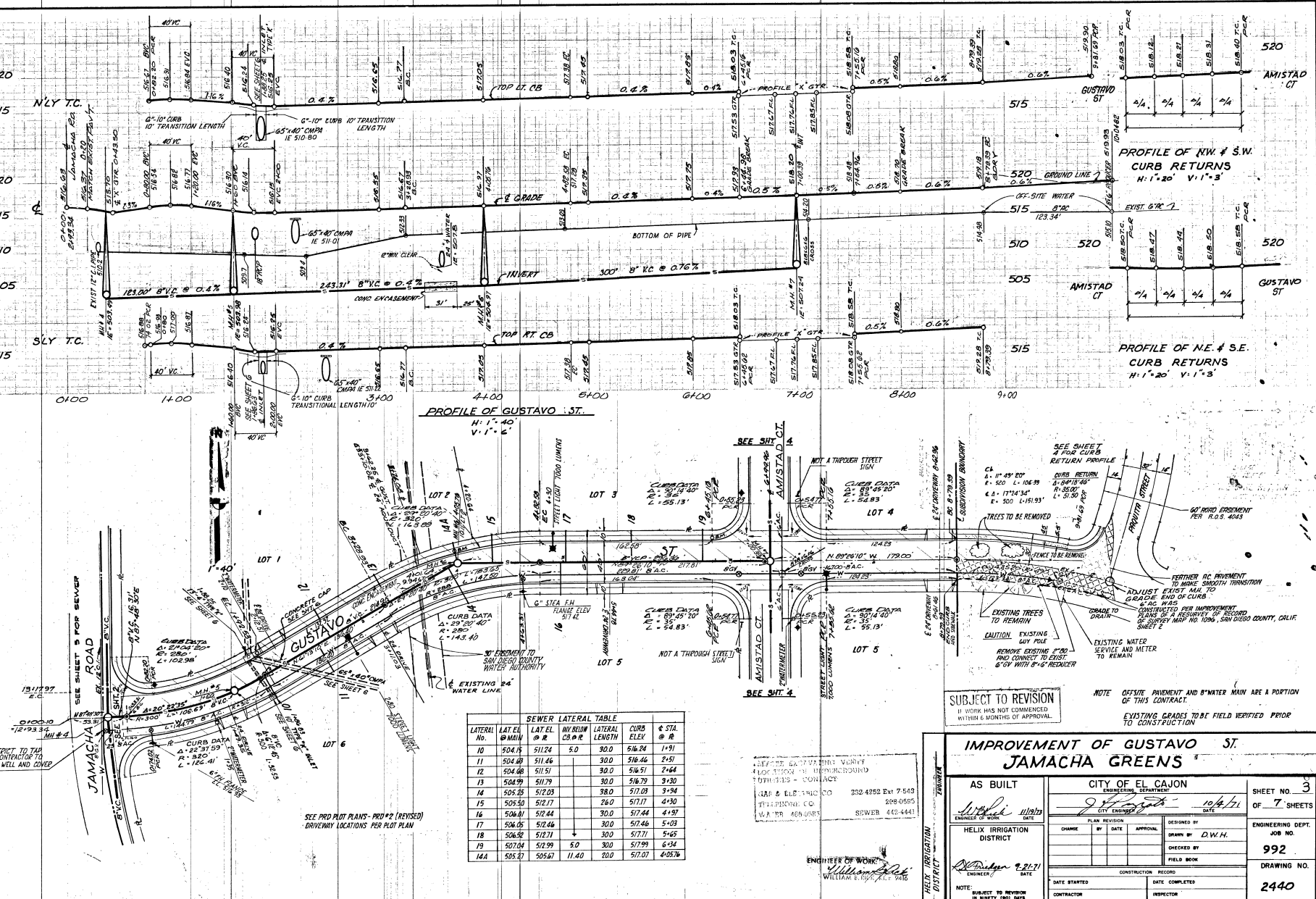
BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT:
GAS & ELECTRIC CO. 232-4252 Ext. 7-543
TELEPHONE CO. 298-0085
WATER 466-0585 SEWER 442-4441

SUB. J. 1710 REVISION
IN ORDER NOT TO BE COMMENCED WITHIN 6 MONTHS OF APPROVAL

IMPROVEMENT PLANS JAMACHA GREENS

AS BUILT	CITY OF EL CAJON ENGINEERING DEPARTMENT	SHEET NO. 1 OF 7 SHEETS
DATE: 10/10/71	DESIGNED BY: J. H. HARRIS CHECKED BY: T. J. HARRIS FIELD BOOK: 10/10/71	ENGINEERING DEPT. JOB NO. 992
DATE STARTED: 10-10-71	DATE COMPLETED: 8-7-73	DRAWING NO. 2440
CONTRACTOR: NELSON	INSPECTOR: R. PIETE	

SR 302



SEWER LATERAL TABLE

LATERAL NO.	LAT. EL. @ MAN.	INVERT LATERAL LENGTH	CURB ELEV. @ R.	# STA. @ R.
10	504.15	511.24	5.0	30.0
11	504.49	511.46	30.0	516.46
12	504.49	511.51	30.0	516.51
13	504.99	511.79	30.0	516.79
14	505.25	517.03	38.0	517.03
15	505.50	517.17	26.0	517.17
16	506.41	517.44	30.0	517.44
17	506.05	517.46	30.0	517.46
18	506.92	517.71	5.0	517.71
19	507.04	517.99	5.0	517.99
14A	505.37	505.67	11.40	22.0

SUBJECT TO REVISION
IF WORK HAS NOT COMMENCED
WITHIN 6 MONTHS OF APPROVAL

NOTE: OFF-SITE PAVEMENT AND 8" WATER MAIN ARE A PORTION
OF THIS CONTRACT.
EXISTING GRADES TO BE FIELD VERIFIED PRIOR
TO CONSTRUCTION

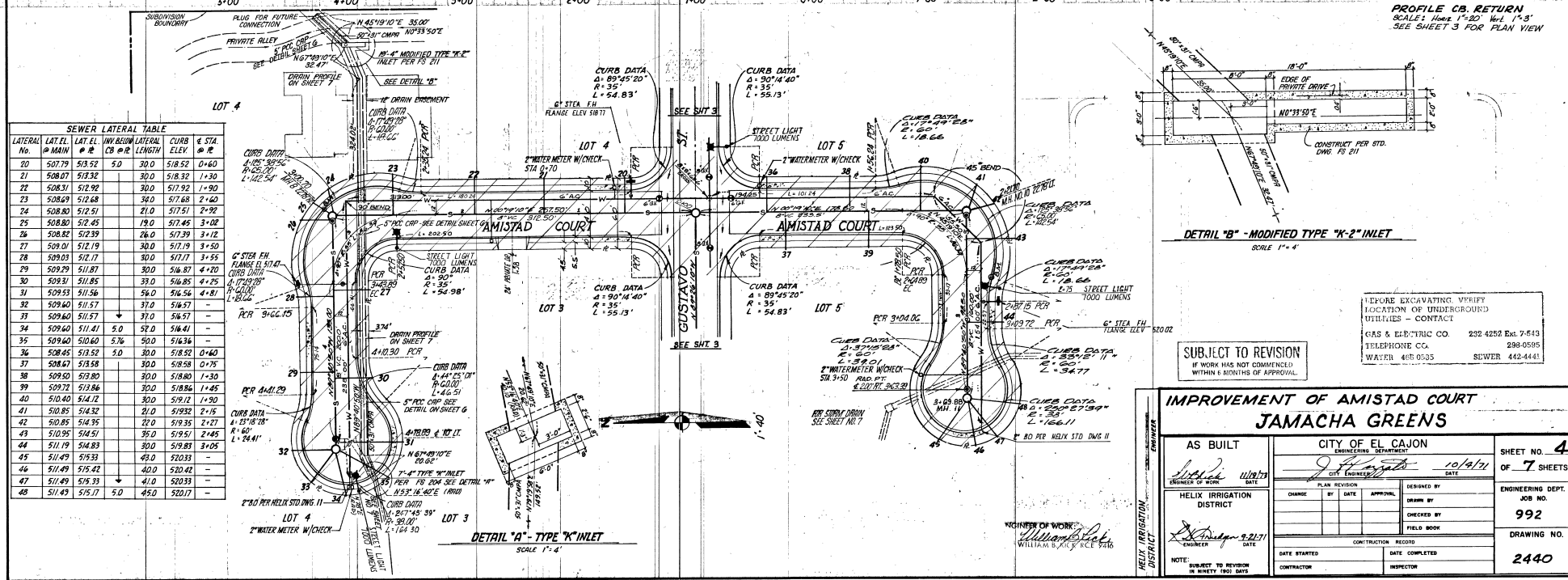
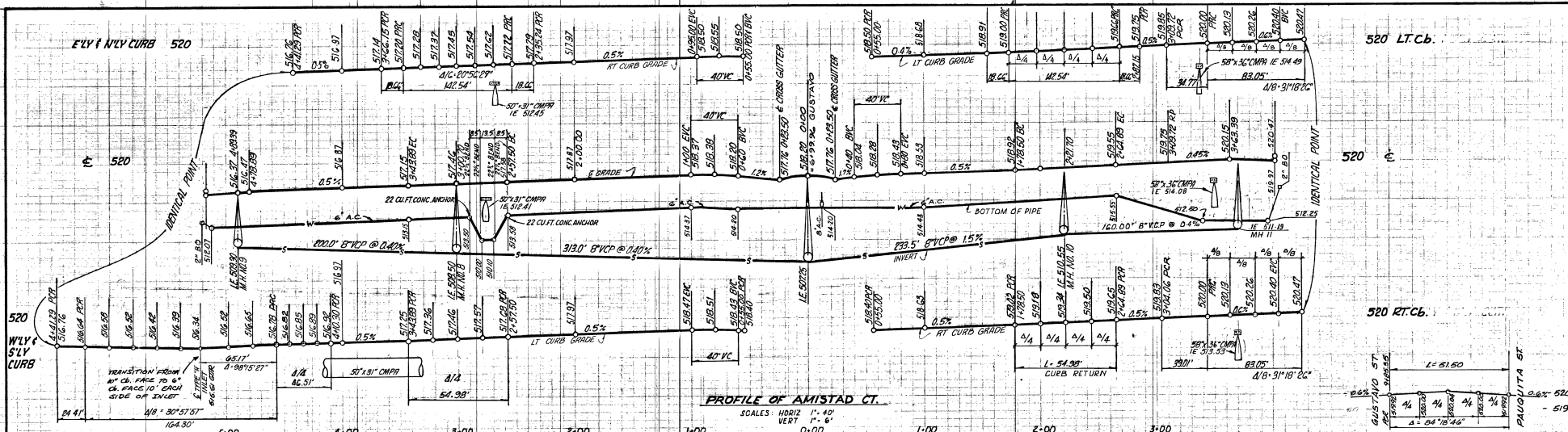
IMPROVEMENT OF GUSTAVO ST.
JAMACHA GREENS

AS BUILT		CITY OF EL CAJON ENGINEERING DEPARTMENT		SHEET NO. 3 OF 7 SHEETS
DESIGNED BY <i>[Signature]</i> DATE 10/4/71	CHECKED BY DATE	APPROVED BY DATE	ENGINEERING DEPT. JOB NO. 992	DRAWING NO. 2440
CONTRACTOR		INSPECTOR		

REPLY: IRRIGATION DISTRICT TO TAP
AND INSTALL 8" GUY CONDUIT TO
CONNECT, SET GATE WELL AND COVER

SEE SHEET 4
SEE SHEET 4
SEE SHEET 4

ENGINEER OF WORK
WILLIAM L. GUNDEL, P.E.

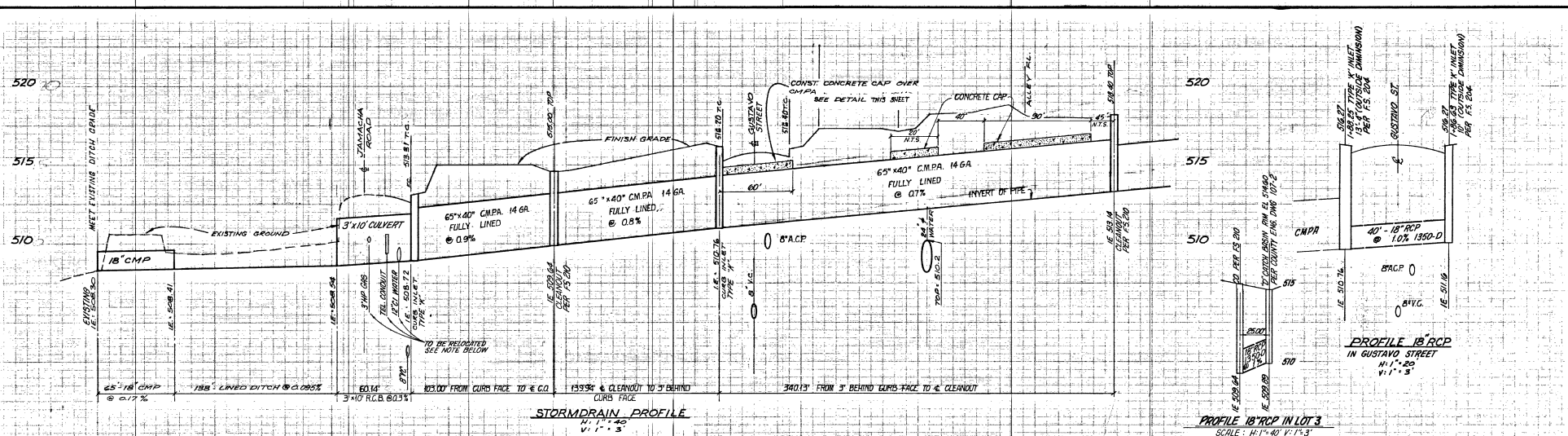


SEWER LATERAL TABLE

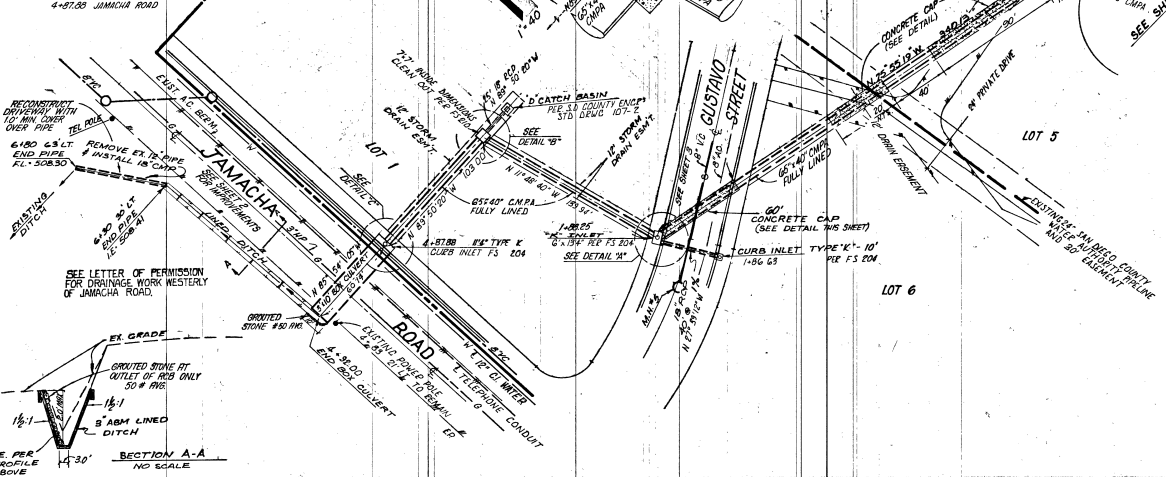
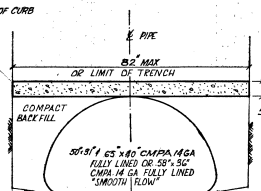
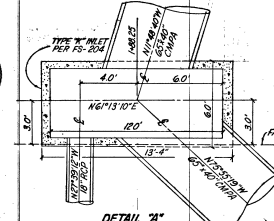
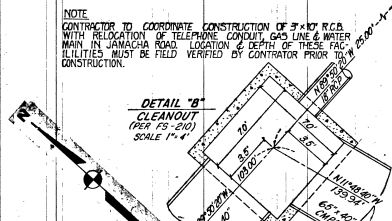
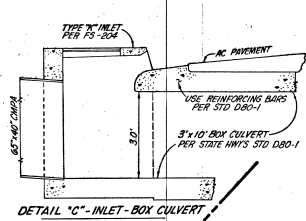
LATERAL No.	LAT. EL. @ MAIN	LAT. EL. @ INV. BROW	LATERAL CB #	LENGTH	CURB ELEV.	# STA. @ RE
20	507.79	513.52	5.0	30.0	518.52	0+60
21	508.07	513.32	30.0	518.32	1+30	
22	508.31	512.92	30.0	517.92	1+90	
23	508.29	512.68	30.0	517.68	2+60	
24	508.80	512.51	21.0	517.51	2+92	
25	508.80	512.45	19.0	517.45	3+02	
26	508.82	512.39	26.0	517.39	3+12	
27	509.01	512.19	30.0	517.19	3+50	
28	509.03	512.17	30.0	517.17	3+55	
29	509.29	511.87	30.0	516.87	4+20	
30	509.31	511.85	33.0	516.85	4+25	
31	509.33	511.56	59.0	516.56	4+81	
32	509.40	511.57	31.0	516.57	-	
33	509.60	511.57	31.0	516.57	-	
34	509.60	511.41	5.0	52.0	516.41	-
35	509.60	510.60	5.76	90.0	516.34	-
36	508.45	513.52	5.0	30.0	518.52	0+60
37	508.67	513.58	30.0	518.58	0+75	
38	509.50	513.80	30.0	518.80	1+30	
39	509.72	513.86	30.0	518.86	1+45	
40	510.40	514.12	30.0	519.12	1+90	
41	510.85	514.32	21.0	519.32	2+15	
42	510.85	514.35	22.0	519.35	2+27	
43	510.95	514.51	36.0	519.51	2+45	
44	511.19	514.83	30.0	519.83	3+05	
45	511.49	515.33	45.0	520.33	-	
46	511.49	515.42	40.0	520.42	-	
47	511.49	515.33	40.0	520.33	-	
48	511.49	515.17	5.0	45.0	520.17	-

**IMPROVEMENT OF AMISTAD COURT
JAMACHA GREENS**

AS BUILT	CITY OF EL CAJON ENGINEERING DEPARTMENT	SHEET NO. 4 OF 7 SHEETS
DESIGNED BY <i>[Signature]</i> DATE 11/18/13	DATE 10/14/14	ENGINEERING DEPT. JOB NO. 992
HELIX IRRIGATION DISTRICT	CHECKED BY <i>[Signature]</i> DATE 9/21/13	DRAWING NO. 2440
NOTE: SUBMIT TO REVIEW IN 60 DAYS	CONSTRUCTION RECORD DATE STARTED CONTRACTOR	DATE COMPLETED INSPECTOR



PROFILE 18" RCP IN LOT 3
 SCALE: H: 1' = 40' V: 1' = 3'



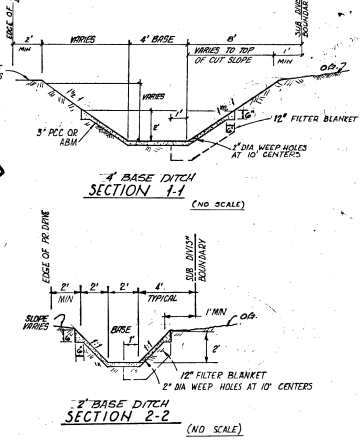
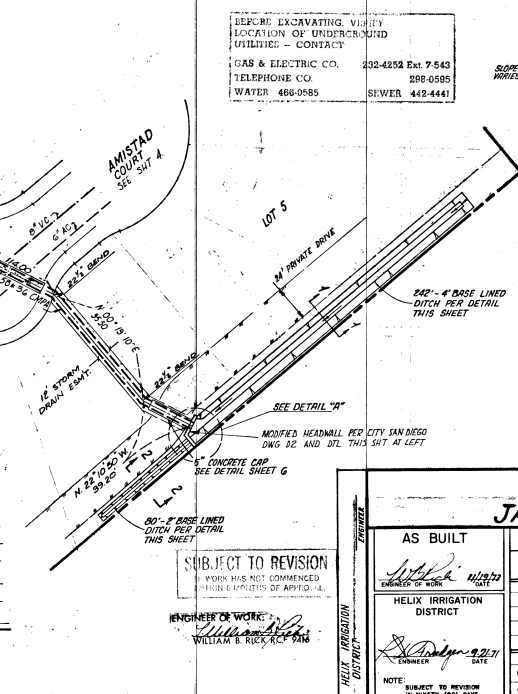
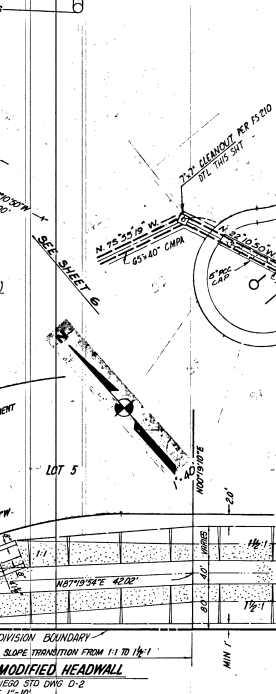
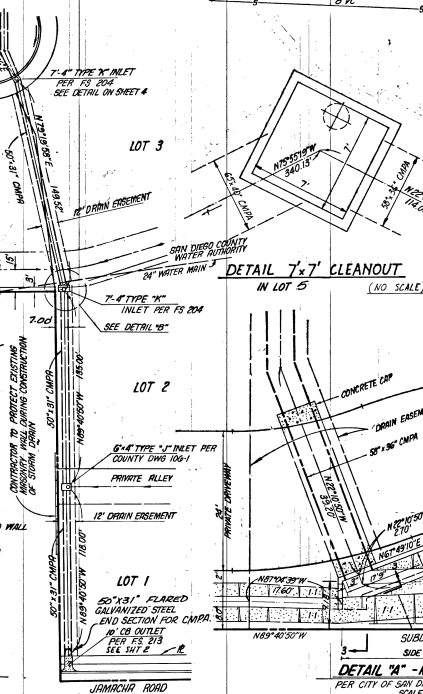
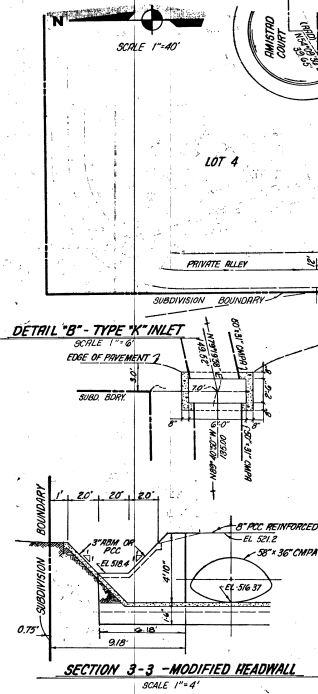
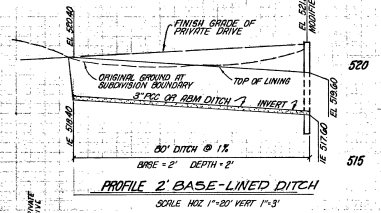
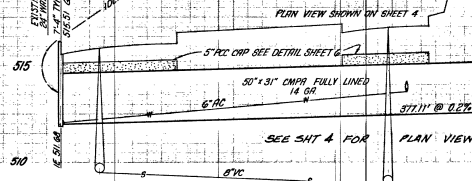
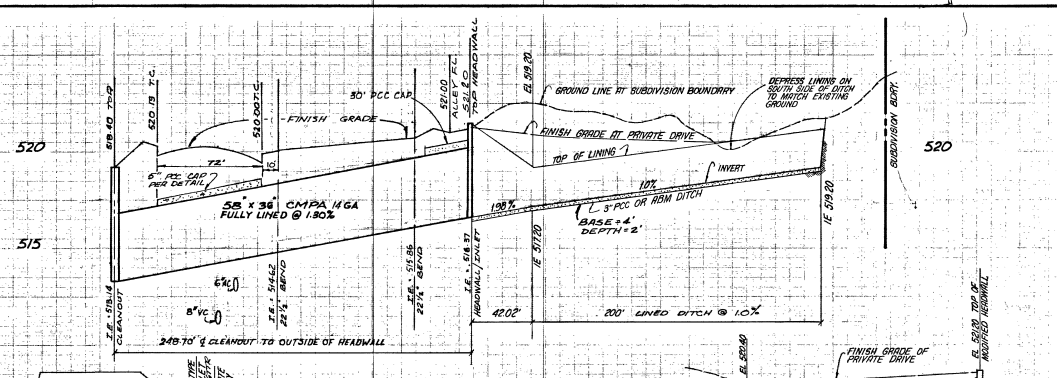
NOTE:
 FOR STRUCTURAL DETAILS R.C.B. USE STATE OF CALIF. DIVISION OF HIGHWAYS STD. DNG. SINGLE BOX CULVERTS. DO NOT USE DETAIL FOR TYPE 'K' INLET AND ADJUST SIDEWALL REBAR LENGTHS TO FIT.

DESIGNER: W. B. BICK
 CHECKED: W. B. BICK
 DATE: 10/01/01
 SCALE: 1" = 40' H: 1' = 3'

ENGINEER OF WORK:
 WILLIAM B. BICK RCE 9418

STORMDRAIN JAMACHA GREENS			
AS BUILT		CITY OF EL CAJON ENGINEERING DEPARTMENT	
DESIGNED BY W. B. BICK	DATE 10/01/01	DESIGNED BY D. W. H.	DATE 10/01/01
HEX IRRIGATION DISTRICT		CHECKED BY D. W. H.	
DATE STARTED	DATE COMPLETED	CONTRACTOR	INSPECTOR
NOTE: SUBJECT TO REVISION IN NINETY (90) DAYS			

SHEET NO. 6
 OF 7 SHEETS
 ENGINEERING DEPT.
 JOB NO.
 992
 DRAWING NO.
 2440



		STORMDRAIN JAMACHA GREENS		
AS BUILT		CITY OF ELCAJON ENGINEERING DEPARTMENT		SHEET NO. <u>7</u>
 PROJECT ENGINEER DATE <u>11/15/73</u>		 FIELD BOOK DATE <u>10/16/73</u>		SHEET NO. <u>OF 7</u> SHEETS
HELIX IRRIGATION DISTRICT		CHARGE	BY	DATE
		APPROVAL	DESIGNED BY	D.W.H.
		CHECKED BY	FIELD BOOK	
 ENGINEER DATE <u>9-21-73</u>		CONSTRUCTION RECORD		ENGINEERING DEPT. JOB NO. 992
NOTE: SUBJECT TO REVISION IN NINETY TWO DAYS		DATE STARTED	DATE COMPLETED	DRAWING NO. 2440
		CONTRACTOR	INSPECTOR	