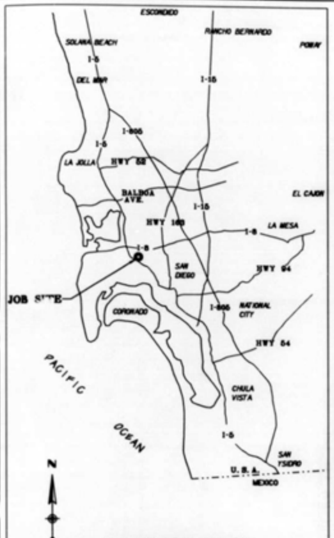
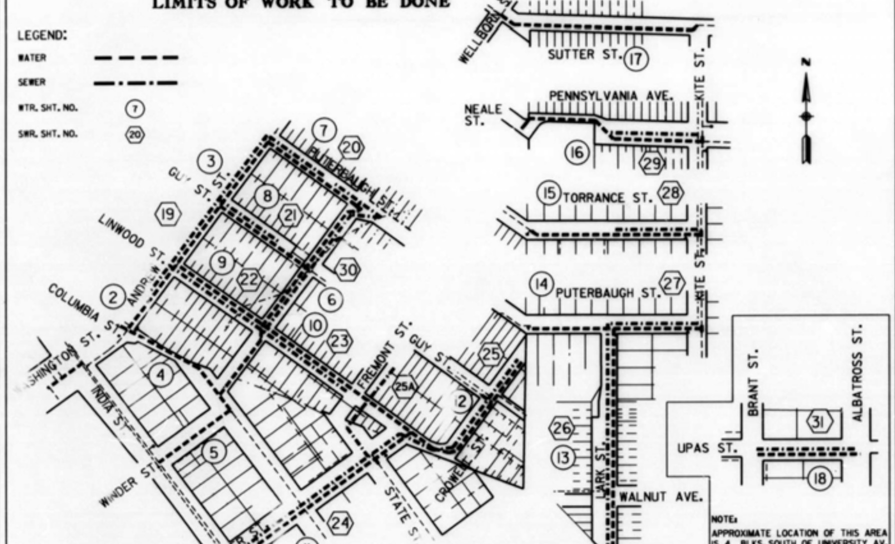
WATER & SEWER GROUP 486



VICINITY MAP
NO SCALE

SHEET NO.	STREET	LIMITS	PIPE SIZE (IN)	PIPE TYPE	LENGTH (FT)	GATE BOOK	THOMAS BROTHERS MAPS
		WATER					
2	ANDREW ST.	WASH. ST. 134' S/W OF INDIA ST. TO ANDREW ST., STA. 8+00	8	WATER	558.68	F 18J9	1268
3	ANDREW ST.	STA. 8+00 TO STA 10+00	8	WATER	319.05	F 18J9	1268
4	COLUMBIA ST.	ANDREW ST., STA. 1+00 TO STA. 5+25	8	WATER	418.37	F 18J9	1268
5	WINDER ST.	INDIA ST., STA. 1+00 TO STA. 3+47	8	WATER	274.42	F 18J9	1268
6	WINDER ST.	STA. 1+00 TO STA. 8+43	8	WATER	727.80	F 18J9	1268
7	PUTERBAUGH ST.	ANDREW ST., STA. 0+85 TO STA. 4+18	8	WATER	339.08	F 18J9	1268
8	GUY ST.	ANDREW ST., STA.0+85 TO STA. 4+31	8	WATER	347.59	F 18J9	1268
9	LINWOOD ST.	ANDREW ST., STA. 0+85 TO STA. 6+00	8	WATER	517.40	F 18J9	1268
10	LINWOOD ST.	STA. 6+00 TO STA. 12+06	8	WATER	606.00	F 18J9	1268
11	CHALMERS ST.	INDIA ST., STA. 1+00 TO STA. 8+00	8	WATER	677.76	F 18J9	1268
12	CROWELL ST.	STA. 12+06 TO STA. 14+76	8	WATER	270.50	F 18J9	1268
13	LARK ST.	STA. 1+00 TO STA. 8+25	8	WATER	736.88	F 18J9	1268
14	PUTERBAUGH ST.	KITE ST., STA. 0+20 TO STA. 5+60	8	WATER	539.10	F 18J9	1268
15	TORRANCE ST.	KITE ST., STA. 0+20 TO STA. 5+73	8	WATER	561.07	F 18J9	1268
16	PENNSYLVANIA ST.	KITE ST., STA. 1+00 TO STA. 6+99	8	WATER	578.62	F 18J9	1268
		STA. 6+99 TO STA. 7+26	6	WATER	27.00		
17	SUTTER ST.	KITE ST., STA. 0+20 TO STA. 7+98.50	8	WATER	778.23	F 18J9	1268
18	UPAS ST.	BRANT ST. TO ALBATROSS ST.	8	WATER	372.00	F 19	1268
		STA. 1+45, 10' RT TO 28' RT	6	WATER	18.00		
		SEWER					
19	ANDREW ST.	STA. 0+00 TO STA. 6+26	8	SEWER	625.92	F 18J9	1268
20	PUTERBAUGH ST.	STA. 0+00 TO STA. 4+38	8	SEWER	243.54	F 18J9	1268
21	GUY ST.	STA. 0+28 TO STA. 1+90	8	SEWER	189.14	F 18J9	1268
22	LINWOOD ST.	STA. 0+00 TO STA. 4+75	8	SEWER	475.00	F 18J9	1268
23	LINWOOD ST.	STA. 4+75 TO STA. 6+57	8	SEWER	181.72	F 18J9	1268
24	CHALMERS ST.	STA. 0+00 TO STA. 5+70	8	SEWER	570.01	F 18J9	1268
25	CROWELL ST.	STA. 5+70 TO STA. 11+87	8	SEWER	592.08	F 18J9	1268
25A	STATE ST.	STA. 0+00 TO STA. 4+34	8	SEWER	373.11	F 18J9	1268
26	LARK ST.	STA. 0+00 TO STA. 6+72	8	SEWER	671.65	F 18J9	1268
27	PUTERBAUGH ST.	STA. 0+00 TO STA. 3+61	8	SEWER	355.81	F 18J9	1268
28	TORRANCE ST.	STA. 0+00 TO STA. 4+04	8	SEWER	403.57	F 18J9	1268
29	PENNSYLVANIA ST.	STA. 0+00 TO STA. 2+70	8	SEWER	269.57	F 18J9	1268
30	WINDER ST.	STA. 0+00 TO STA. 5+27	8	SEWER	656.15	F 18J9	1268
31	UPAS ST.	BRANT ST. TO ALBATROSS ST.	8	SEWER	152.18	F 18J9	1268
32	CITY FORCE WORK	CUT & PLUG					
33-51	TRAFFIC	TRAFFIC CONTROL PLANS					
52	RESURFACING	RESURFACING PLAN					
53	PEDESTRIAN RAMPS	PEDESTRIAN RAMPS PLAN					
54	SIGNATURE	SIGNATURE SHEET					

LIMITS OF WORK TO BE DONE



LOCATION MAP
NO SCALE

STANDARD DRAWINGS & SPECIFICATIONS

STANDARD SPECIFICATIONS:

DOC. NO.	FILED	DESCRIPTION
1. 769331	5-2-97	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1997 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS.
2. 769744	11-07-90	CALIFORNIA DEPARTMENT OF TRANSPORTATION, "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES." (1990 EDITION)
3. 769814	10-21-93	1992 STANDARD SPECIAL PROVISIONS STREET LIGHTING & TRAFFIC SIGNAL SYSTEMS OF THE CITY OF SAN DIEGO
4. 769802	6-29-95	SAN DIEGO COUNTY REGIONAL STANDARDS COMMITTEE 1990 EDITION OF THE "WATCH" HANDBOOK.

STANDARD DRAWINGS:

DOC. NO.	FILED	DESCRIPTION
1. 769332	5-2-97	CITY OF SAN DIEGO STANDARD DRAWINGS.

UNDERGROUND UTILITIES

AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133

CONTRACTOR'S RESPONSIBILITIES

1. THE CONTRACTOR SHALL ENFORCE ALL SAFETY MEASURES. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
2. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE UTILITIES ENGINEERING DIVISION, 13th FLOOR, 600 "B" STREET. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS. ALL IMPROVEMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED IN KIND TO ORIGINAL OR BETTER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
5. CONTRACTOR TO EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, EXACT SIZE OF SERVICE BEFORE TAPPING MAIN.
6. CITY FORCES, WHERE CALLED OUT, SHALL MAKE PERMANENT CUTS & PLUGS, CONNECTIONS, ETC. CITY FORCES WILL ABANDON EXISTING WATER MAINS.
7. EXISTING MAINS SHALL BE KEPT IN SERVICE IN LIEU OF HIGH-LINING.
8. THE LOCATION OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
9. CONTRACTOR SHALL REPLACE IN KIND ANY TRAFFIC SENSORS DAMAGED DURING CONSTRUCTION.
10. WHERE EXISTING MAINS ARE REPLACED IN PLACE, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MAINS.
11. EXISTING SEWER MAINS TO BE ABANDONED ARE TO BE FILLED WITH SAND BY THE CONTRACTOR.

DATUM: MEAN SEA LEVEL
MAJOR STREETS: INDIA ST., WASHINGTON ST.

ABBREVIATIONS

ABAND	ABANDON	COND	CONDUIT	HP	HIGH PRESSURE	RT	RIGHT
ABAND'D	ABANDONED	CONTR	CONTRACTOR	IE	INVERT ELEVATION	SD	STORM DRAIN
AC	ASBESTOS CEMENT PIPE	CP	CONCRETE PIPE	LAT	LATERAL	S, SWR	SEWER
	ASPHALTIC CONCRETE	DI	DUCTILE IRON PIPE	LT	LEFT	S/L	SURVEY LINE
AHD	AHEAD	E, ELEC	ELECTRIC	MJ	MECHANICAL JOINT	T, TEL	TELEPHONE
ASSY	ASSEMBLY	EL	ELEVATION	MTD	MULTIPLE TELEPHONE DUCT	TP	TOP OF PIPE
BK	BACK	EX, EXIST	EXISTING	OVHD	OVERHEAD	UNK	UNKNOWN
BO	BLOW OFF	F	FLANGE	PROP	PROPOSED	VC	VITRIFIED CLAY PIPE
CATV	CABLE TV	FH	FIRE HYDRANT	PVC	POLYVINYL CHLORIDE PIPE	W, WTR	WATER
CI	CAST IRON PIPE	GM	GAS MAIN	RCP	REINFORCED CONCRETE PIPE	WM	WATER METER
C/L	CENTER LINE	GS	GAS SERVICE	RED	REDUCER	WS	WATER SERVICE
CONC	CONCRETE	GV	GATE VALVE	REHAB	REHABILITATE		

WORK TO BE DONE

IMPROVEMENTS	STANDARD DRAWINGS	LEGEND
TRENCH SHORING	AS REQUIRED	
ADDITIONAL BEDDING	AS DIRECTED BY THE ENGINEER	
IMPORTED BACKFILL	AS DIRECTED BY THE ENGINEER	
TEMPORARY RESURFACING	AS DIRECTED BY THE ENGINEER	
PAVING & TRENCH RESURFACING PAVING & SLURRY SEALING	SDG-107, SDG-108 PER SPECIFICATIONS	
WATER MAIN & APPURTENANCES (CLASS 150 OR AS NOTED)	W-17, W-18, W-19, W-20, W-22, W-25 SDW-100, SDW-106	
VALVES WITH CAPS AND WELLS	W-12A, W-12B, W-13, W-19 SDW-100, SDW-109	
6" FIRE HYDRANT & MARKER 2-WAY UNLESS SPECIFIED AS 3-WAY	W-10, W-11, SDW-100 M-19	
BLOWOFF	SDW-106, W-17, W-18	B.O.
WATER SERVICES	W-1, W-2, W-15, W-25, SDW-100 SDW-112, SDW-113	PROPERTY LINE, WM, W/S
WATER SERVICES TRANSFERS	W-1, W-2, SDW-100	PROPERTY LINE, WM, W/T
WATER SERVICES EXTENSIONS	W-1, W-2, SDW-100	PROPERTY LINE, WM, W/E, EX W/R
SEWER MAIN	S-4C, SDS-100, SDS-101	
SEWER MANHOLE	S-2, S-17, M-3, SDS-100	
SEWER LATERAL	S-13, S-19, SDS-100	PROPERTY LINE, S/L
SEWER LATERAL CONNECTION	S-13, SDS-100	PROPERTY LINE, S/C
SURVEY MONUMENT	M-10	△

SYMBOLS - EXISTING UTILITIES

FIRE HYDRANT	FH
H.P. GAS MAIN	G
ELECTRICAL, TEL. COND, CABLE TV	E T CATV
WATER MAIN & VALVES	
SEWER MAIN & MANHOLES	
WATER METER	
EX STORM DRAIN, CURB INLET	
EX TRAFFIC LIGHT	
EX STREET LIGHT	SL
EX AC PAVEMENT	
EX CONC. PAVEMENT	
DPT	
POWER POLE	P
TRAFFIC/STREET SIGN	

REGISTERED PROFESSIONAL ENGINEER JEFFREY A. SHOAF # C048207 EXP. 12/31/02 CIVIL STATE OF CALIFORNIA

WATER & SEWER GROUP 486

FUNDING: CIP NO. 73-636.6 & CIP NO. 44-103.5 | SPEC. NO. 6666

AS-BUILT INFORMATION

MATERIALS	MANUFACTURER
PIPE CL 150 (WATER)	J.M. MANUFACTURING
PIPE SDR 35 (SEWER)	J.M. MANUFACTURING
GATE VALVES	MULLER CO.
FIRE HYDRANTS	JONES
SEWER MANHOLES	R.C. STRUCTURES

APPROVED BY: FOR CITY ENGINEER
CHECKED BY: ASSOCIATE ENGINEER
INSPECTOR

PLANS FOR THE CONSTRUCTION OF WATER AND SEWER GROUP 486

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 1 OF 54 SHEETS

WATER W.O. 181071
SEWER W.O. 171391

FOR CITY ENGINEER 5-7-99 DATE

ASSOCIATE ENGINEER
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	FS/...			
	CD/1	CED	3-27-01	

CONTROL CERTIFICATION 210-1713
LAMBERT COORDINATES

CONTRACTOR ... DATE STARTED ...
INSPECTOR ... DATE COMPLETED ...

25842-01-D

AS-BUILT

FILMED FROM THE ORIGINAL
BEST QUALITY OBTAINABLE

0 1 2 3 4IN.