

AC WATER & SEWER GROUP 1052

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CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT) OF SOUTHERN CALIFORNIA AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES (i.e., 69 KV & HIGHER)
- LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CARMICHAEL CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE NOTED, AS PREVIOUSLY POTHOLED (PH) ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POT-HOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 402-UTILITIES.
- EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.
- ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL BURIED DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED AND HOLIDAY FREE AS SPECIFIED IN THE WHITEBOOK. IF USING WAX TAPE, OVERLAP EXISTING METALLIC PIPING BY 12 INCHES ON EACH SIDE. IF ANY BURIED PIPE MATERIALS ARE TO BE CHANGED FROM NONMETALLIC TO METALLIC DURING THE CONSTRUCTION PHASE, THIS CHANGE MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY'S CORROSION ENGINEER.

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) _____
HYDROLOGIC UNIT / WATERSHED _____
HYDROLOGIC SUBAREA NAME & NO. _____
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 - WPCP
 - THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 - SWPPP
 - THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL ORDER 2012-0006-DWG
 - TRADITIONAL: RISK LEVEL 1 2 3 4
 - LUP: RISK TYPE 1 2 3 4
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

ABBREVIATIONS

ABAND	ABANDONED	OVHD	OVER HEAD
ABAND'D	ABANDONED	PVC	POLYVINYL CHLORIDE
AC	ACACIA	PROP	PROPOSED
AHD	HEAD	RED	REDUCER
ASSY	ASSEMBLY	RT	RIGHT
BFV	BUTTERFLY VALVE	S&AE	SAN DIEGO & ARIZONA EASTERN RAILROAD
BK	BACKWATER	SDTI	SAN DIEGO TROLLEY INC.
BTWN	BETWEEN	SO	SOUTH OF
CATV	CABLE TV	SMR	SEWER
CE	CENTER LINE	TEL	TELEPHONE
COND	CONDUIT	UNK	UNKNOWN
CONT	CONTINUED	VC	VITRIFIED CLAY PIPE
CONTR	CONTRACTOR	WTR	WATER METER
DB	DUCTILE IRON	W/O	WEST OF
D	DUCTILE IRON		
EB	ENCASED BURIED		

EXISTING STRUCTURES

EX WATER MAIN & VALVES	---●---	EX GROUND LINE (PROFILE)
EX WATER METER	---□---	EX TRAFFIC SIGNAL
EX FIRE HYDRANT	---○---	EX STREET LIGHT
EX SEWER MAIN & MANHOLES	---○---	GAS MAIN
EX DRAINS	=====	ELEC. COND., TEL. COND., CATV
EX PAVEMENT (PROFILE)	////	RAILROAD, TROLLEY TRACKS

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE SIZE (IN)	MATERIAL	LENGTH (FT)
1	G-1	COVER SHEET				
2	G-2	KEY MAP				
3	G-3	KEY MAP				
4	C-1	BETA STREET	WATER BIRCH STREET TO S 37TH STREET	8		700.00
5	C-2	BETA STREET	E/O S 38TH STREET TO S 39TH STREET	8		700.00
6	C-3	BETA STREET	BIRCH STREET TO S 37TH STREET	8		700.00
7	C-4	39TH STREET	BIRCH STREET TO S/O SOUTHWEST TRAILS PARK	12 / 16		212.00
8	C-5	BIRCH STREET	BETA STREET TO NW/O UNA STREET	12		700.00
9	C-6	BIRCH STREET	UNA STREET TO VESTA STREET	12		793.00
10	C-7	UNA STREET	BIRCH STREET TO ACACIA STREET	12		392.00
11	C-8	S 37TH STREET & ACACIA STREET	BIRCH STREET TO ALLEY BLK C	8		163.00
12	C-8	ACACIA STREET	ACACIA STREET TO GAMMA STREET	8		300.00
13	C-9	ACACIA STREET	GAMMA STREET TO ALPHA STREET	8		667.00
14	C-10	ACACIA STREET	S 38TH STREET TO VESTA STREET	8		600.00
15	C-11	DALBERGIA STREET	S 38TH STREET TO VESTA STREET	8		490.00
16	C-12	DALBERGIA STREET	E/O VESTA STREET TO VESTA STREET	16		700.00
17	C-13	DALBERGIA STREET	E/O VESTA STREET TO WOODEN STREET	16		586.00
18	C-15	THOR STREET	MAIN STREET TO DALBERGIA STREET	16		333.00
19	C-16	VESTA STREET	MAIN STREET TO ALLEY BLK 262	16		519.00
20	C-17	WOODEN STREET	MAIN STREET TO DALBERGIA STREET	16		333.00
21	C-18	SAN MIGUEL AVE & ALLEY	2ND STREET TO SAN PASCUAL STREET	8		145.00
22	C-19	NEWTON AVE	E/O S 41ST STREET TO W/O S 43RD STREET	8		700.00
23	C-20	NEWTON AVE	S 43RD STREET TO S 44TH STREET	12		800.00
24	C-21	NEWTON AVE	S 44TH STREET TO S 45TH STREET	12		654.00
25	C-22	Z STREET	S 43RD STREET TO S 44TH STREET	12		700.00
26	C-23	Z STREET & S 43RD STREET	NEWTON AVE TO S/O LOGAN AVE	12		1950.00
27	C-24	BETA STREET	BIRCH STREET TO S 37TH STREET	10		700.00
28	C-25	BETA STREET	E/O S 37TH STREET TO S 38TH STREET	10		604.00
29	C-26	BIRCH STREET	ALLEY BLK 2 TO NW/O UNA STREET	15		138.00
30	C-27	BIRCH STREET / ALLEY BLK C	BIRCH STREET TO NW/O UNA STREET	15 / 12		967.00
31	C-28	UNA STREET / RIGEL STREET	ALLEY BLK C TO NW/O VESTA STREET	8		500.00
32	C-29	S 43RD STREET / S 44TH STREET	ALLEY BLK 293 TO ALLEY BLK C	12		362.00
33	C-30	NEWTON AVENUE	N/O NATIONAL AVENUE TO N/O NEWTON AVENUE	8		145.00
34	C-31	S 45TH STREET	S 44TH STREET TO W/O S 44TH STREET	8		293.00
35	C-32	ALLEY BLK F	BOSTON AVENUE TO N/O NEWTON AVENUE	8		650.00
36-38	C-33-35	STREET RESURFACING	BOSTON AVENUE TO S/O KEELER AVENUE	8		190.00
39-43	C-36-40	CURB RAMP LOCATION / DETAIL		TOTAL SEWER		5,070.00
44-45	C-41-42	WORK BY CITY FORCES		TOTAL REHAB		138.00
46-47	C-43-44	ABANDONMENT PLAN		TOTAL WATER		14,428.00
48-49	C-45-46	SURVEY MONUMENT PLAN				
50-51	C-47-48	BATCH DISCHARGE PLAN				
52-53	C-49-50	REPLUMB EXHIBIT				
		MISC DETAILS				
		*STANDARD DEVELOPMENT PROJECTS				
		TRAFFIC PLANS				
	TC-1					

DISCIPLINE CODE

- G GENERAL
- D DEMOLITION
- C CIVIL
- L LANDSCAPE
- A ARCHITECTURAL
- S STRUCTURAL
- M MECHANICAL
- E ELECTRICAL
- I INSTRUMENTATION
- TC TRAFFIC CONTROL

DECLARATION OF RESPONSIBLE CHARGE

* I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

ENGINEER'S NAME: _____ DATE: _____



LEGEND

IMPROVEMENTS

- TRENCH RESURFACING
- SEWER MAIN
- SEWER MANHOLE/PVC LINED
- REHAB. EX. SEWER MANHOLE
- SEWER MAIN REHAB.
- 4" SEWER LATERAL WITH C.O.
- SEWER LATERAL WITH C.O.
- REPLUMB SEWER LATERAL WITH C.O.
- SEWER LATERAL CONNECTION
- REHAB SEWER LATERAL (LINED) WITH C.O.
- SERVICE LATERAL CONNECTION TO REHABILITATED SEWER
- TUNNEL SEWER REPLUMB LATERAL WITH C.O.
- CONCRETE PROTECTION FOR EXIST SEWER PIPE
- PIPE SUPPORT FOR UNDERCUT AC WATER MAIN
- CONCRETE ENCASUREMENT
- ABANDON EX MANHOLE
- SLURRY FILL ABANDONED SEWER MAIN
- CUTTING AND PLUGGING ABANDONED WATER MAIN
- SURVEY MONUMENT
- WATER MAIN & APPURTENANCES
- VALVES WITH CAPS AND WELLS
- FIRE SERVICE CONNECTION & ASSEMBLY
- 6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT
- 1" WATER SERVICE UNLESS OTHERWISE SPECIFIED
- WATER SERVICE TRANSFER
- BLOW-OFF ASSEMBLY
- AIR & VACUUM VALVE
- HIGHLINING BY CONTRACTOR
- FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

REFERENCE

- SDG-107, SDG-108
- SDS-101, SDS-110 (TYPE C)
- SDS-106, SDS-107, SDS-108, SDM-13, SDS-120, M-3, SM-07
- SEE PLANS & SPECS
- SEE PLANS & SPECS
- SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118
- SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118
- SEE PLANS & SPECS
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- SEE PLANS & SPECS
- SDS-102, SDS-103, SDS-104, SDS-104, SDS-105
- SDS-116
- SDW-162
- SDS-112
- SM-08
- SEE PLANS & SPECS
- M-10A, M-10B, M-10C
- SDM-105, SDW-110, SDW-151, SDW-161
- SDM-109, SDW-152, SDW-153, WV-05
- SDM-105, SDW-109, SDW-118, SDW-152, SDW-153
- SDM-105, SDW-104, SDW-109, SDW-152, SDW-153
- SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-145, SDW-146, WB-05,
- SDW-149, SDW-150
- SDM-105, SDW-106, SDW-143, SDW-144, SDW-145, SDW-146, WB-05,
- SDM-105, SDW-117, SDW-158, SDW-159, SDW-160
- SDW-170, SDW-171, SDW-172, SDW-173, SDW-174 IF APPLICABLE

SYMBOL

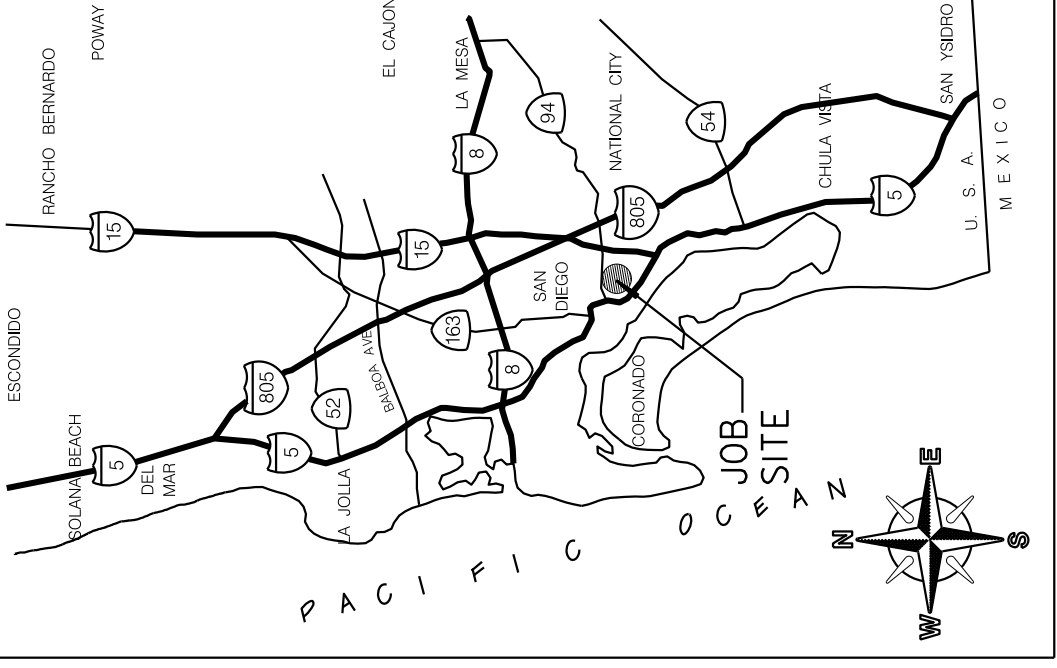
- REHAB
- PROPOSED SEWER
- PROPOSED SEWER
- PROPOSED SEWER
- PROPOSED REHABILITATED SEWER
- PROPOSED SEWER
- CONCRETE PROTECTION FOR EXIST SEWER PIPE
- PIPE SUPPORT FOR UNDERCUT AC WATER MAIN
- CONCRETE ENCASUREMENT
- ABANDON EX MANHOLE
- SLURRY FILL ABANDONED SEWER MAIN
- CUTTING AND PLUGGING ABANDONED WATER MAIN
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- FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

KEY MAP

NO SCALE

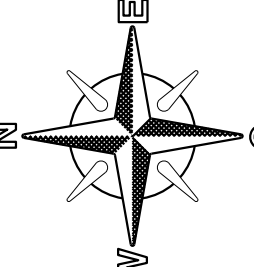
FIELD DATA

TOPOGRAPHY SOURCE: B-18092
 BENCHMARK: NEBP188.071 LOGAN/ELIZABETH
 FIELD NOTES: MAGURE 188-1731
 BASIS OF BEARING / COORDINATES:
 STREETS REQUIRING 12' TRENCH CAP:
 STREET NAMES Alley Block C



VICINITY MAP

NOT TO SCALE



AS-BUILT INFORMATION

MATERIALS	MANUFACTURER
PIPE CL 235 (WATER)	-
PIPE SDR 35 (SEWER)	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-

AS-BUILT INFORMATION

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	JG/JW			
SEE SHEETS				
SEE SHEETS				

ENGINEER'S NAME: _____ DATE: _____



CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	WARNING

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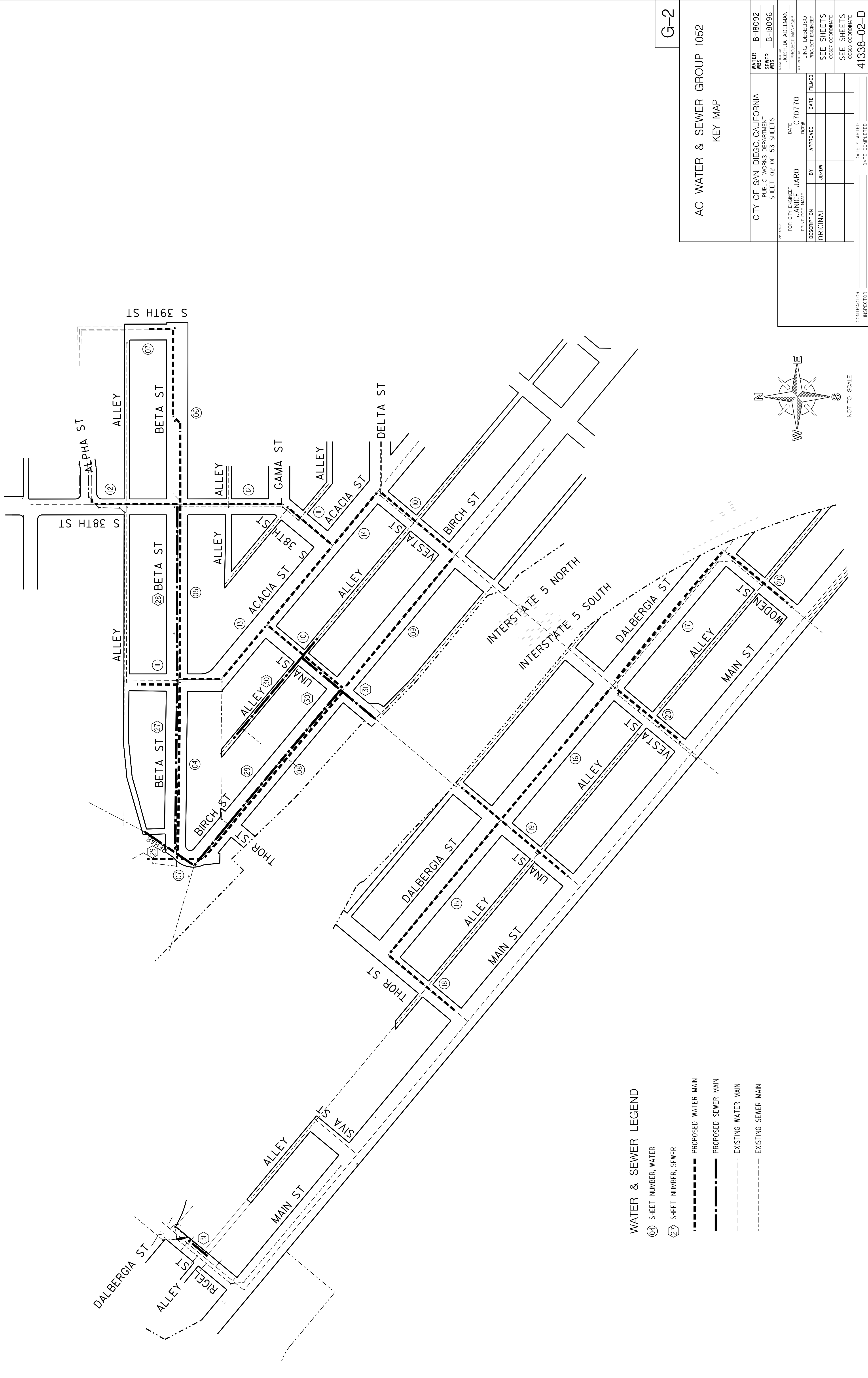
PLANS FOR THE CONSTRUCTION OF AC WATER & SEWER GROUP 1052 COVER SHEET

FOR CITY ENGINEER	DATE	FOR PROJECT MANAGER	DATE
JANICE JARO	12/17/20	JOSHUA ADELMAN	12/17/20
FOR CITY ENGINEER	DATE	FOR PROJECT MANAGER	DATE
JANICE JARO	12/17/20	JOSHUA ADELMAN	12/17/20
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JG/JW		
SEE SHEETS			
SEE SHEETS			

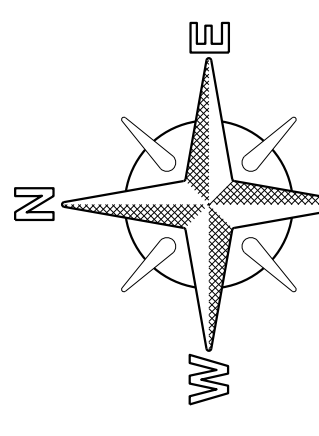
SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA	WATER	B-18092
	PUBLIC WORKS DEPARTMENT	SEWER	B-18092
	SHEET 01 OF 53 SHEETS		

FOR CITY ENGINEER	DATE	FOR PROJECT MANAGER	DATE
JANICE JARO	12/17/20	JOSHUA ADELMAN	12/17/20
FOR CITY ENGINEER	DATE	FOR PROJECT MANAGER	DATE
JANICE JARO	12/17/20	JOSHUA ADELMAN	12/17/20
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JG/JW		
SEE SHEETS			
SEE SHEETS			

CONTRACTOR	DATE STARTED	DATE COMPLETED
INSPECTOR		



- WATER & SEWER LEGEND**
- ① SHEET NUMBER, WATER
 - ② SHEET NUMBER, SEWER
 - PROPOSED WATER MAIN
 - PROPOSED SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING SEWER MAIN

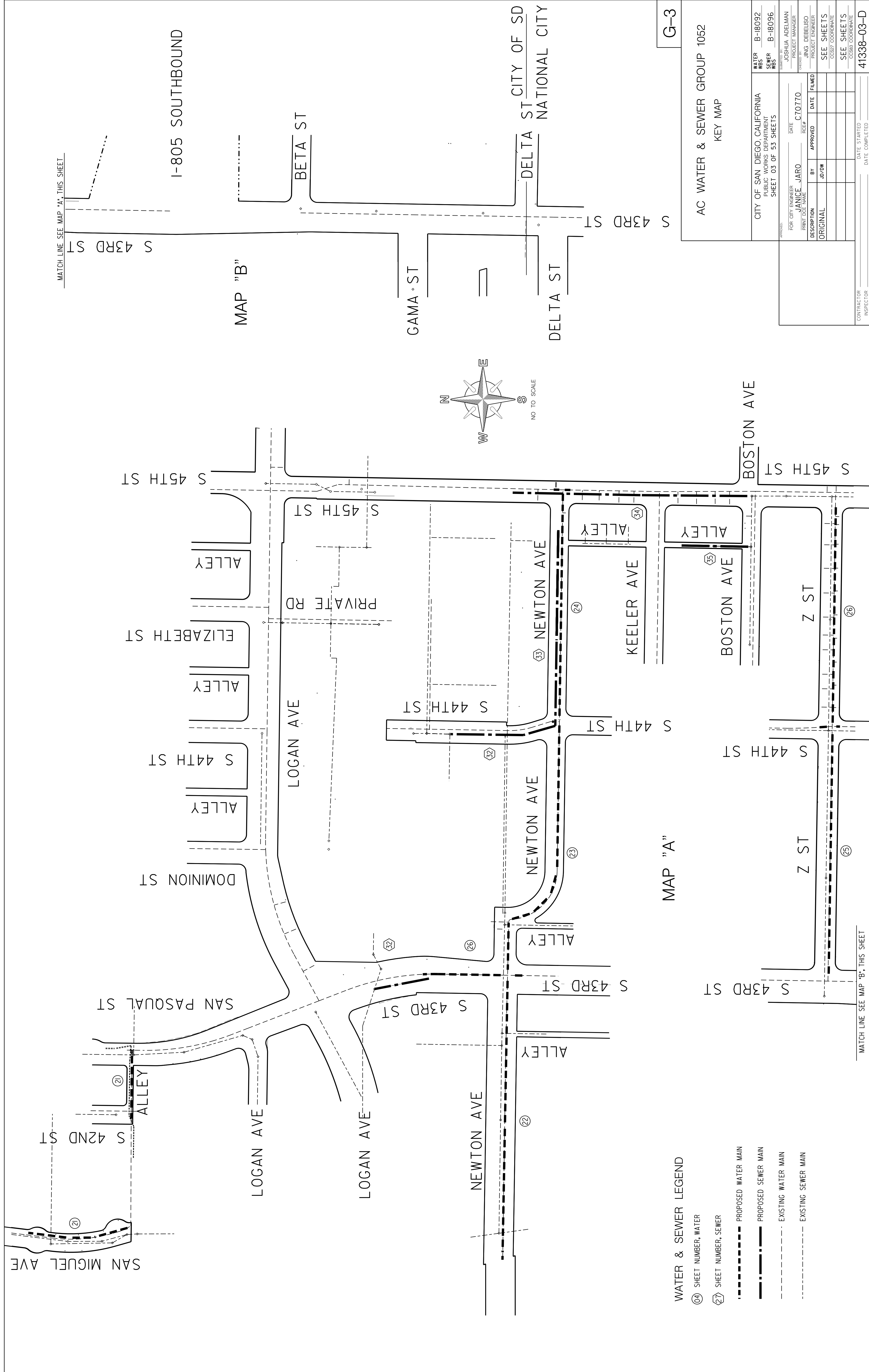


NOT TO SCALE

G-2

AC WATER & SEWER GROUP 1052
KEY MAP

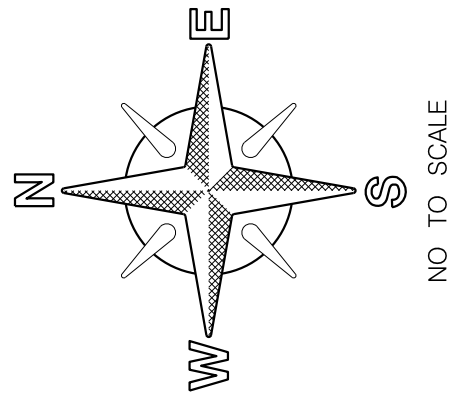
CITY OF SAN DIEGO CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 02 OF 53 SHEETS		WATER WBS B-18092	SEWER WBS B-18096
FOR CITY ENGINEER JANICE JARO PRINT DATE TIME	DATE C 70770 PAGE #	APPROVED BY JING DEBELISO PROJECT ENGINEER	DATE FILMED
DESCRIPTION ORIGINAL	BY JD/JW	DATE	FILED
FOR PROJECT MANAGER JOSHUA ADELMAN	PROJECT MANAGER	FOR PROJECT ENGINEER JING DEBELISO	PROJECT ENGINEER
SEE SHEETS	SEE SHEETS	SEE SHEETS	SEE SHEETS
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED
			41338-02-D



- WATER & SEWER LEGEND**
- ②4 SHEET NUMBER, WATER
 - ②7 SHEET NUMBER, SEWER
 - PROPOSED WATER MAIN
 - PROPOSED SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING SEWER MAIN

MAP "A"

MAP "B"



MATCH LINE SEE MAP "A", THIS SHEET

MATCH LINE SEE MAP "B", THIS SHEET

AC WATER & SEWER GROUP 1052 KEY MAP		G-3	
CITY OF SAN DIEGO CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 03 OF 53 SHEETS			
FOR CITY ENGINEER JANICE JARO	DATE C-70770	PROJECT MANAGER JOSHUA ADELMAN	WATER WBS B-18092
PRINT DATE TIME	BY JING DEBELISO	PROJECT ENGINEER	SEWER WBS B-18096
DESCRIPTION ORIGINAL	APPROVED	DATE FILMED	SEE SHEETS
JD/OW			SEE SHEETS
			SEE SHEETS
			41338-03-D
CONTRACTOR	DATE STARTED	CCS87 COORDINATE	
INSPECTOR	DATE COMPLETED	CCS88 COORDINATE	

BETA ST

20

10

0

STA 8+00.00 MATCH LINE SEE SHEET 04

EX. PAVEMENT

EX. 8" AC WTR
EL. UNK

EX. 8" PVC SWR
EL. 8.8

8" PIPE

INVERT OF PIPE

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

STA 15+00.00 MATCH LINE SEE SHEET 06

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1832227.49	6294999.27	STRAIGHT	S 89°20'18" E	D = 10.00
PI 1+10.00	1832227.38	6295009.27	STRAIGHT	S 89°20'18" E	D = 47.47
PI 1+57.47	1832226.83	6295056.74	STRAIGHT	S 89°20'18" E	D = 330.02
PI 4+87.50	1832223.02	6295386.74	STRAIGHT	S 89°20'18" E	D = 250.69
PI 7+38.19	1832220.12	6295637.41	STRAIGHT	S 89°20'18" E	D = 20.00
PI 7+58.19	1832219.89	6295657.41	STRAIGHT	S 89°20'18" E	D = 20.64
PI 7+78.83	1832219.65	6295678.05	STRAIGHT	S 89°56'05" E	D = 269.98
PI 10+48.81	1832219.34	6295948.03	STRAIGHT	S 89°56'05" E	D = 313.25
PI 13+62.06	1832218.99	6296261.28	STRAIGHT	S 89°56'05" E	D = 10.00
PI 13+72.06	1832218.98	6296271.28	STRAIGHT	S 89°55'59" E	D = 67.50
PI 14+39.56	1832219.03	6296605.15	STRAIGHT	N 89°58'16" E	D = 37.39
PI 17+43.32	1832219.05	6296642.54	STRAIGHT	N 45°32'49" E	D = 38.56
PI 17+81.88	1832246.05	6296670.06	STRAIGHT	S 89°56'44" E	D = 271.38
PI 20+63.25	1832245.8	6296941.44	STRAIGHT	S 89°56'44" E	D = 10.00
POE 21+09.91	1832245.74	6296998.10	STRAIGHT	S 89°56'44" E	D = 46.66

① BY CONTRACTOR
FURNISH AND INSTALL
STA 10+48.81
1- 8" X 6" TEE (M.J. M.J. F)
1- 6" FH ASSY AND MARKER

② BY CITY FORCES
FURNISH & INSTALL
AHD OF CONTRACTOR
STA 13+62.06
CUT & PLUG
EX. 8" AC WTR 40'+/- LT
RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED

⑤ BY CITY FORCES
FURNISH & INSTALL
AHD OF CONTRACTOR
STA 14+39.56
CUT & PLUG
EX. 8" AC WTR 40'+/- RT
RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED

③ BY CONTRACTOR
FURNISH AND INSTALL
STA 13+72.06
1- 8" X 6" TEE (M.J. M.J. F)
1- 6" FH ASSY AND MARKER

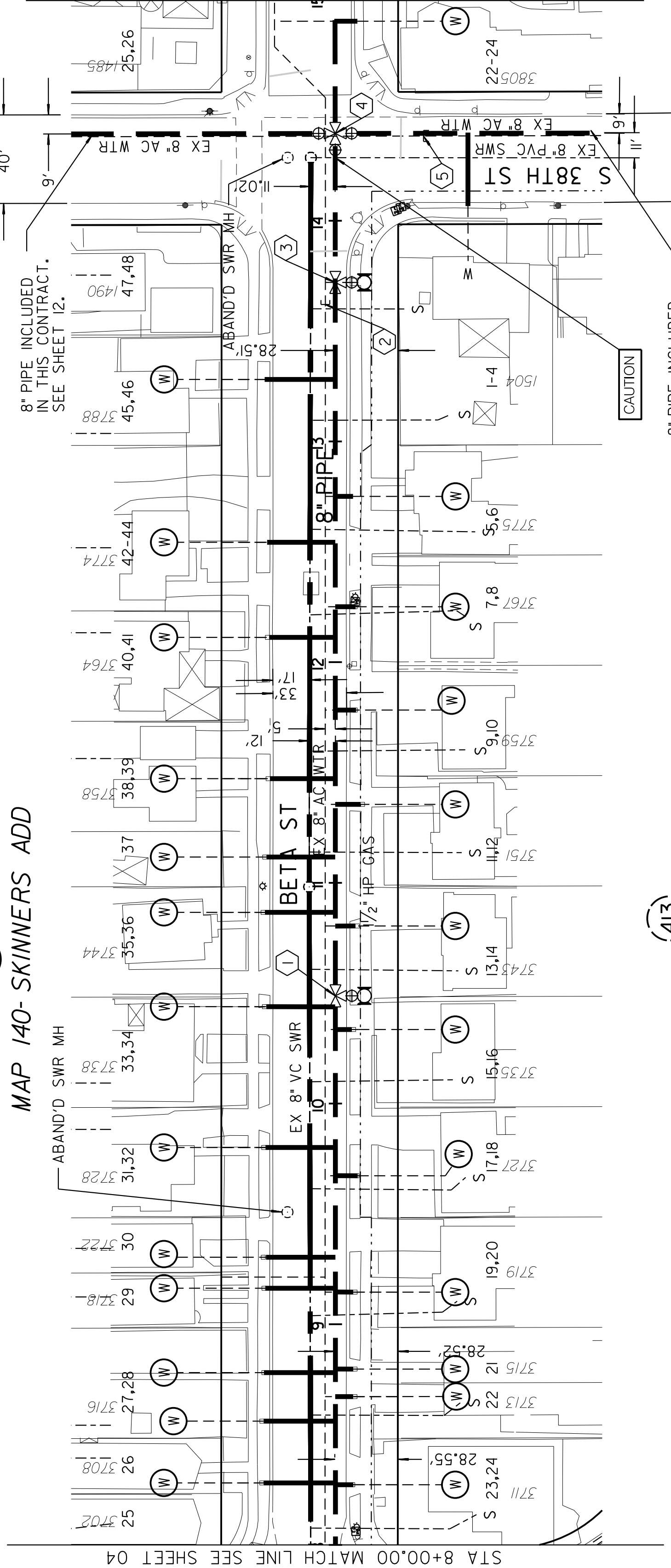
④ BY CONTRACTOR
FURNISH AND INSTALL
STA 14+39.56
3 - 8" G.V. (F, M.J) BK, L.T, RT

REFERENCE:
WATER: 22703-10-D
SEWER: 22703-10-D, 27599-16-D
STORM DRAIN:
GAS: I6050-I18665, I6057-I18665
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE FIELD BOOK: I24S
THOMAS' BROS.: I289C6
HGL: 390

RETIREMENTS:
8" - AC -710- 1986
FH (2-PORT) - 2
1" SERVICE - 23 - COPPER - 1986

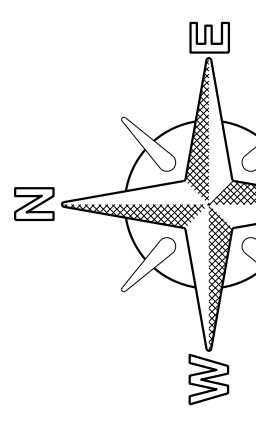
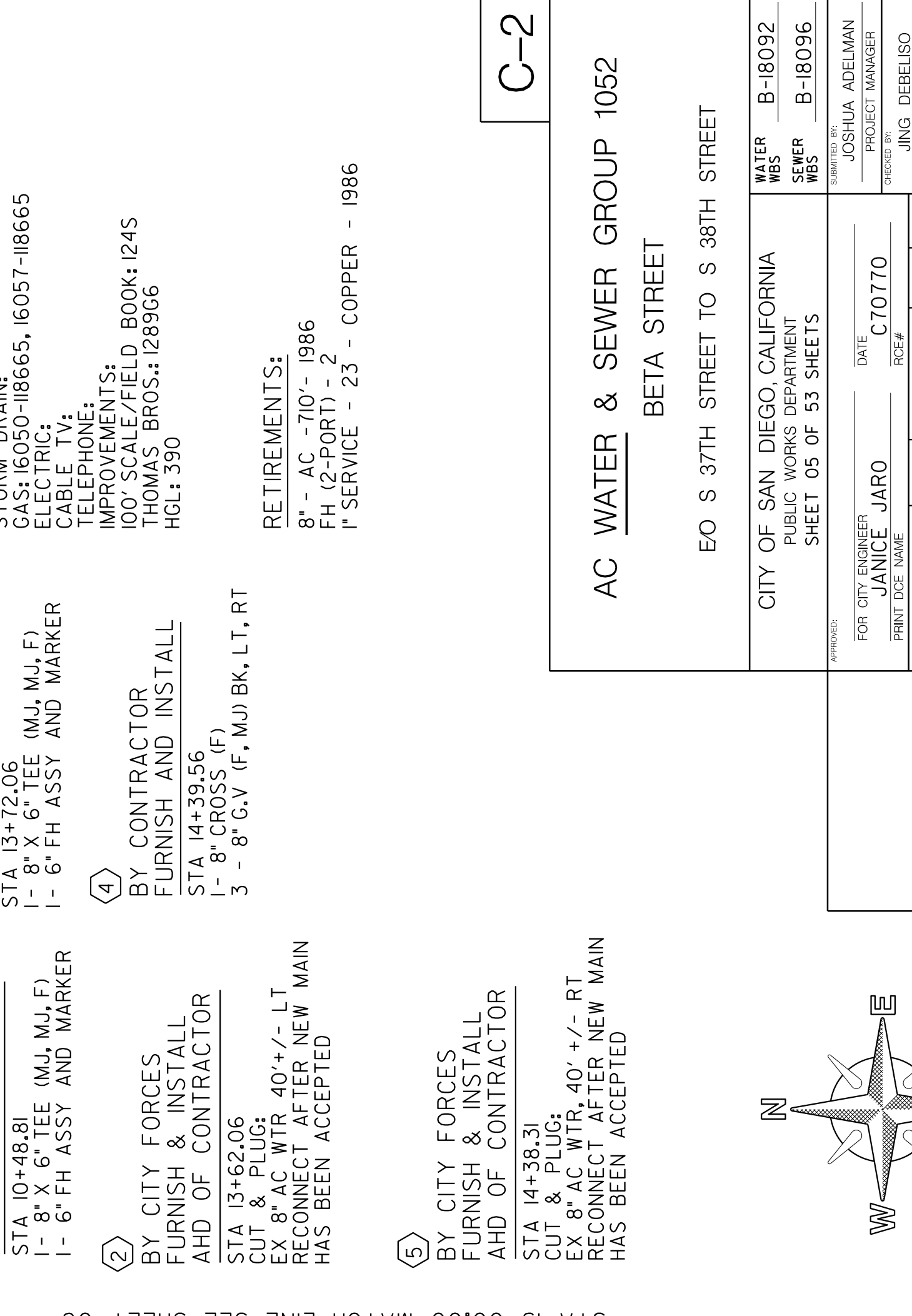
MAP 140- SKINNERS ADD

(412)



MAP III- SKINNERS ADD RESUB OF POR

(413)

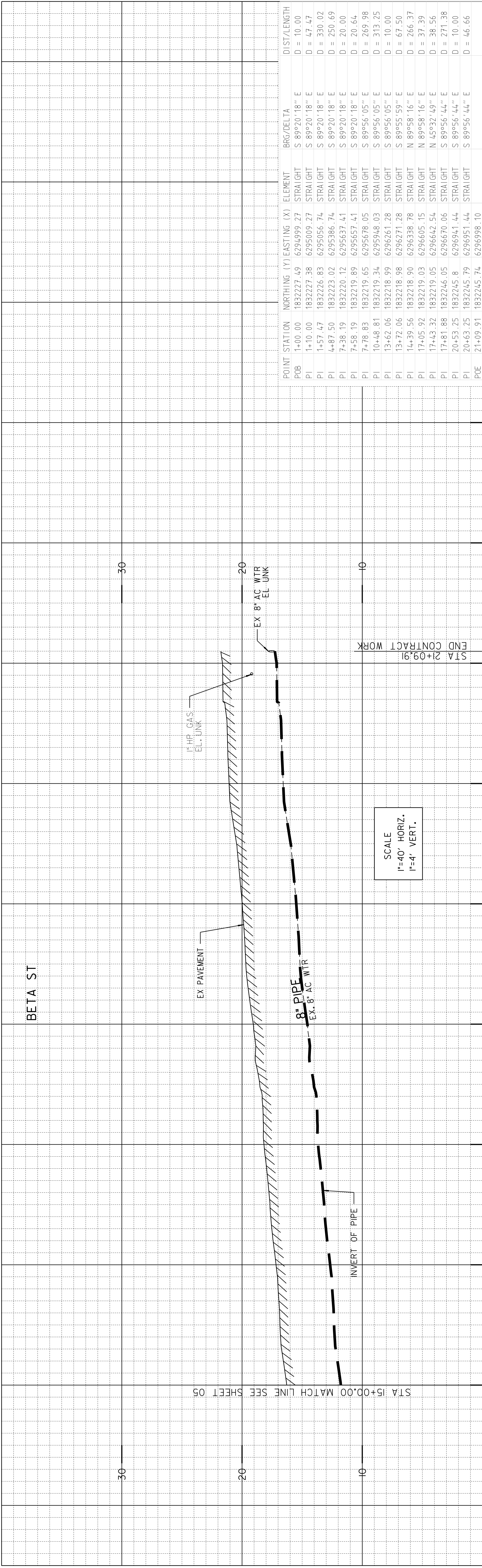


AC WATER & SEWER GROUP 1052
BETA STREET

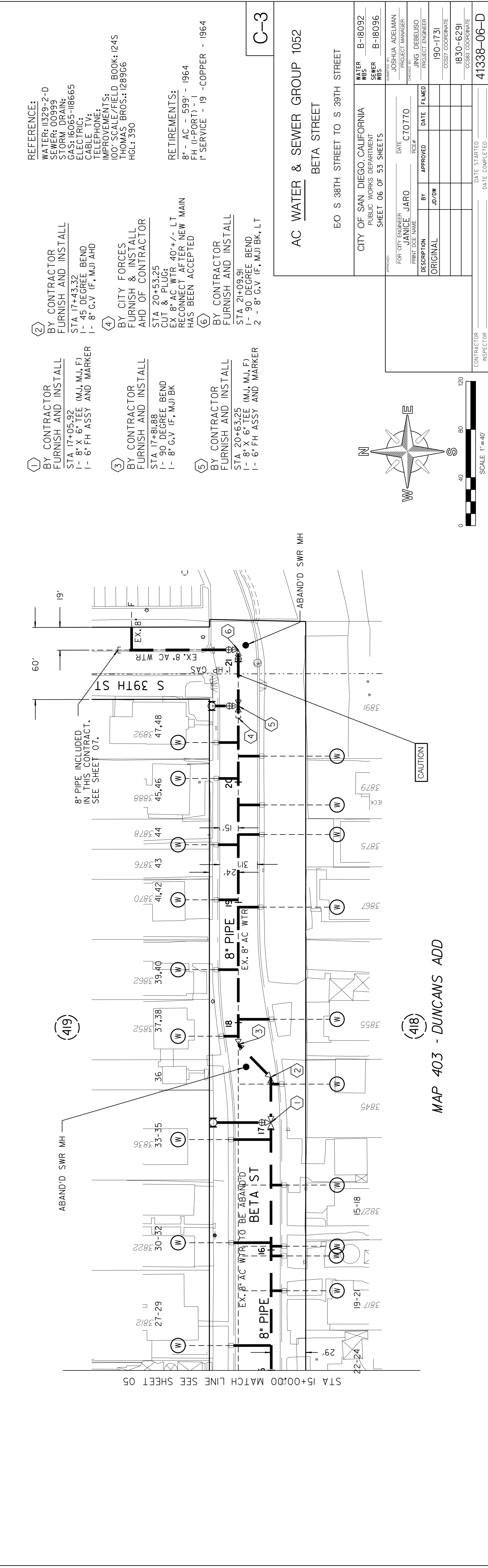
EO S 37TH STREET TO S 38TH STREET

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 05 OF 53 SHEETS

FOR CITY ENGINEER PRINT NAME JANICE JARO	DATE C 70770	PROJECT MANAGER JOSHUA ADELMAN	WATER WBS B-18092
DESCRIPTION ORIGINAL	APPROVED BY JING DEBELISO	PROJECT ENGINEER JING DEBELISO	SEWER WBS B-18096
DATE FILED	DATE FILED	PROJECT NUMBER 190-1731	PROJECT COORDINATOR CS887 COORDINATE
CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED	41338-05-D

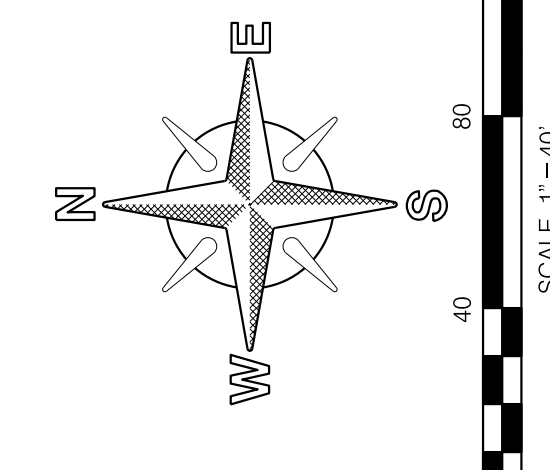


POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1832227.49	6294999.27	STRAIGHT	S 89°20'18" E	D = 10.00
PI 1+10.00	1832227.38	6295009.27	STRAIGHT	S 89°20'18" E	D = 47.47
PI 1+57.47	1832226.83	6295056.74	STRAIGHT	S 89°20'18" E	D = 330.02
PI 4+87.50	1832223.02	6295386.74	STRAIGHT	S 89°20'18" E	D = 250.69
PI 7+38.19	1832220.12	6295637.41	STRAIGHT	S 89°20'18" E	D = 20.00
PI 7+58.19	1832219.89	6295657.41	STRAIGHT	S 89°20'18" E	D = 20.64
PI 7+78.83	1832219.65	6295678.05	STRAIGHT	S 89°56'05" E	D = 269.98
PI 10+48.81	1832219.34	6295948.03	STRAIGHT	S 89°56'05" E	D = 313.25
PI 13+62.06	1832218.99	6296261.28	STRAIGHT	S 89°56'05" E	D = 10.00
PI 13+72.06	1832218.98	6296271.28	STRAIGHT	S 89°55'59" E	D = 67.50
PI 14+39.56	1832218.90	6296338.78	STRAIGHT	N 89°58'16" E	D = 266.37
PI 17+05.92	1832219.03	6296605.15	STRAIGHT	N 89°58'16" E	D = 37.39
PI 17+43.32	1832219.05	6296642.54	STRAIGHT	N 45°32'49" E	D = 38.56
PI 17+81.88	1832246.05	6296670.06	STRAIGHT	S 89°56'44" E	D = 271.38
PI 20+53.25	1832245.8	6296941.44	STRAIGHT	S 89°56'44" E	D = 10.00
PI 20+63.25	1832245.79	6296951.44	STRAIGHT	S 89°56'44" E	D = 10.00
POE 21+09.91	1832245.74	6296998.10	STRAIGHT	S 89°56'44" E	D = 46.66



- REFERENCE:**
 WATER: IJ329-2-D
 SEWER: 00999
 STORM DRAIN:
 GAS: I6065-I18665
 ELECTRIC:
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE FIELD BOOK: I24S
 THOMAS BROS.: I28906
 HCL: 390
- RETIREMENTS:**
 8" - AC - 599' - 1964
 FH (I-PORT) - 1
 1" SERVICE - 19 - COPPER - 1964

- (1)** BY CONTRACTOR FURNISH AND INSTALL STA 17+05.92 1- 8" X 6" TEE (MJ, MJ, F) 1- 6" FH ASSY AND MARKER
- (2)** BY CONTRACTOR FURNISH AND INSTALL STA 17+43.32 1- 45 DEGREE BEND 1- 8" G.V (F, MJ) AHD
- (3)** BY CONTRACTOR FURNISH AND INSTALL STA 17+81.88 1- 90 DEGREE BEND 1- 8" G.V (F, MJ) BK
- (4)** BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 20+53.25 CUT & PLUG; EX. 8" AC WTR 40'+/- LT RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- (5)** BY CONTRACTOR FURNISH AND INSTALL STA 20+63.25 1- 8" X 6" TEE (MJ, MJ, F) 1- 6" FH ASSY AND MARKER
- (6)** BY CONTRACTOR FURNISH AND INSTALL STA 21+09.91 1- 90 DEGREE BEND 2 - 8" G.V (F, MJ) BK, LT



MAP 403 - DUNCANS ADD

AC WATER & SEWER GROUP 1052
 BETA STREET
 EO S 38TH STREET TO S 39TH STREET

CITY OF SAN DIEGO CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 06 OF 53 SHEETS

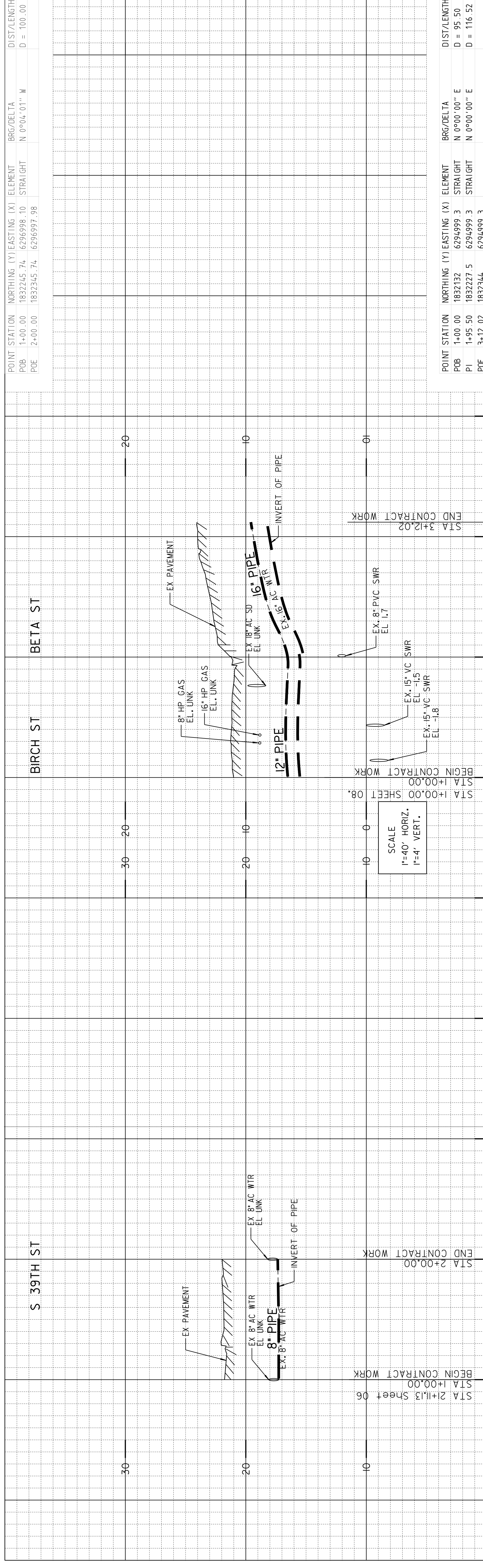
FOR CITY ENGINEER: JOSHUA ADELMAN
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

FOR CITY ENGINEER: JANICE JARO
 PROJECT ENGINEER: JING DEBELISO
 DATE: 190-1731

DESCRIPTION: ORIGINAL
 BY: APPROVED
 DATE: FILMED

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____

41338-06-D



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1832245.74	STRAIGHT	N 0°04'01" W	D = 100.00
POE	2+00.00	1832345.74	STRAIGHT		
POB	1+00.00	1832132	STRAIGHT	N 0°00'00" E	D = 95.50
PI	1+95.50	1832227.5	STRAIGHT	N 0°00'00" E	D = 116.52
POE	3+12.02	1832344	STRAIGHT		

REFERENCE:
 WATER: I1329-2-D, I6507-D, 22703-9-D
 SEWER: 26285-6-D
 STORM DRAIN: I7255-09-D
 GAS: I6057-I8665, I6042-I8665
 ELECTRIC: I6042-I8665
 CABLE TV:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: I245
 THOMAS BROS.: I28906
 HGL: 390

RETIREMENTS:
 8" - AC - 500' - 1964
 16" - AC - 350' - 1975
 8" - SERVICE - I - PVC - 2009
 1" SERVICE - I - COPPER - 1964

BY CONTRACTOR FURNISH AND INSTALL AHD OF CONTRACTOR
 STA 1+95.50
 1 - 16" X 8" TEE (F, F, MJ)
 1 - 16" B.V. (F, MJ) AHD
 1 - 12" G.V. (F, MJ) RT
 1 - 16X12" REDUCER, BK

BY CONTRACTOR FURNISH AND INSTALL AHD OF CONTRACTOR
 STA 1+00
 1 - 45 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR
 STA 3+12.02
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED

AC WATER & SEWER GROUP 1052
 39TH STREET
 BETA STREET TO SO ALPHA STREET
 BIRCH STREET TO SO SOUTHWEST TRAILS PARK

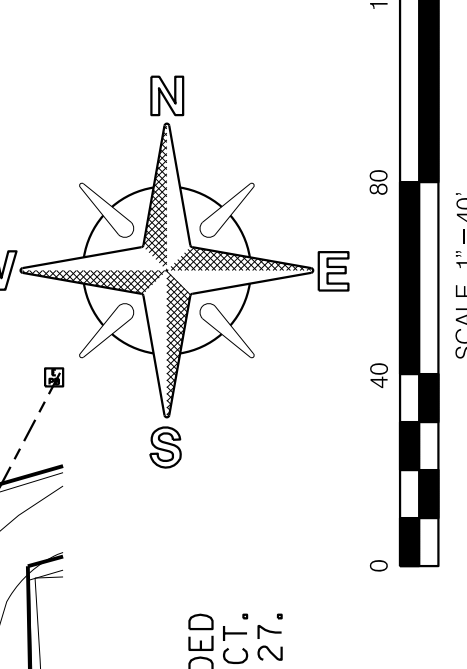
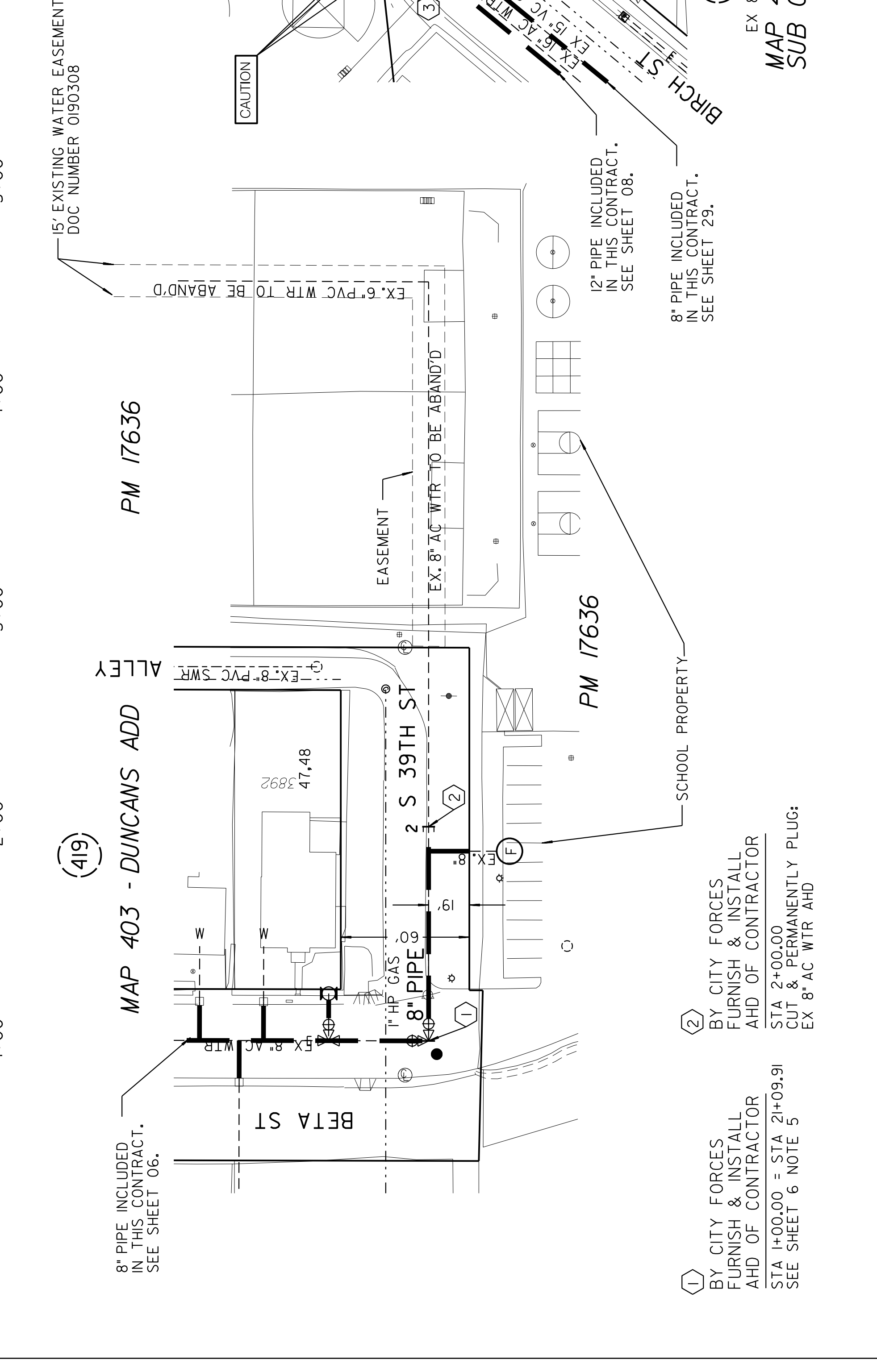
CITY OF SAN DIEGO CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 07 OF 53 SHEETS

FOR CITY ENGINEER: JOSHUA ADELMAN
 PROJECT MANAGER
 FOR CITY ENGINEER: JANICE JARO
 DATE: CT0770
 PROJECT ENGINEER: JING DEBELISO
 PROJECT ENGINEER: JING DEBELISO
 APPROVED: [Signature] DATE: [Date] FILED: [Date]

DESCRIPTION: ORIGINAL
 JO/DM: [Date]
 APPROVED: [Signature] DATE: [Date] FILED: [Date]

WATER WBS: B-18092
 SEWER WBS: B-18096

CONTRACTOR: [Name] DATE STARTED: [Date] 41338-07-D
 INSPECTOR: [Name] DATE COMPLETED: [Date]



BIRCH ST

30

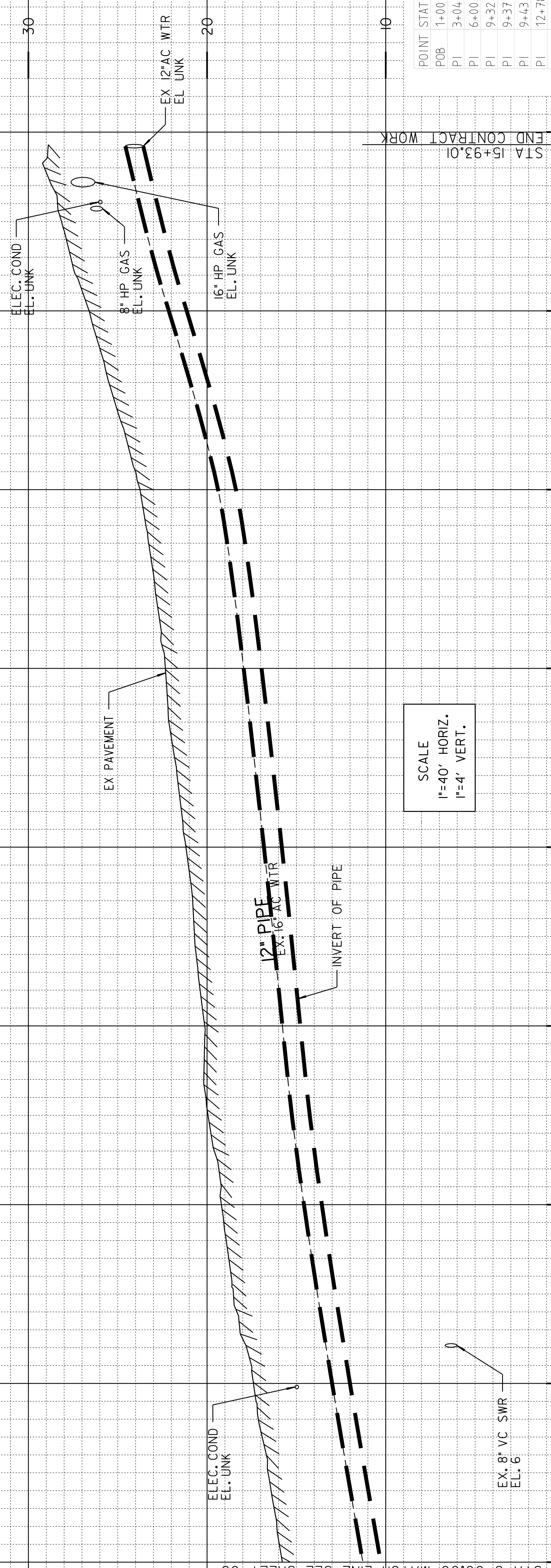
30

20

20

10

10



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1832131.99	STRAIGHT	S 50°31'46" E	D = 204.39
PI	3+04.39	1832002.07	STRAIGHT	S 50°12'10" E	D = 295.73
PI	6+00.12	1831812.78	STRAIGHT	S 49°52'52" E	D = 332.63
PI	9+32.74	1831598.45	STRAIGHT	S 49°52'52" E	D = 5.00
PI	9+37.74	1831595.22	STRAIGHT	N 85°07'08" E	D = 6.04
PI	9+43.78	1831595.74	STRAIGHT	S 50°12'04" E	D = 335.18
PI	12+78.96	1831381.19	STRAIGHT	S 50°12'04" E	D = 314.05
POE	15+93.01	1831180.17			

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

REFERENCE:
 WATER: 22703-5-D
 SEWER: 16511-3-D
 STORM DRAIN:
 GAS: 16042-18660
 ELECTRIC: 16042-18660
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: 1245
 THOMAS BROS.: 128966
 HGL: 390

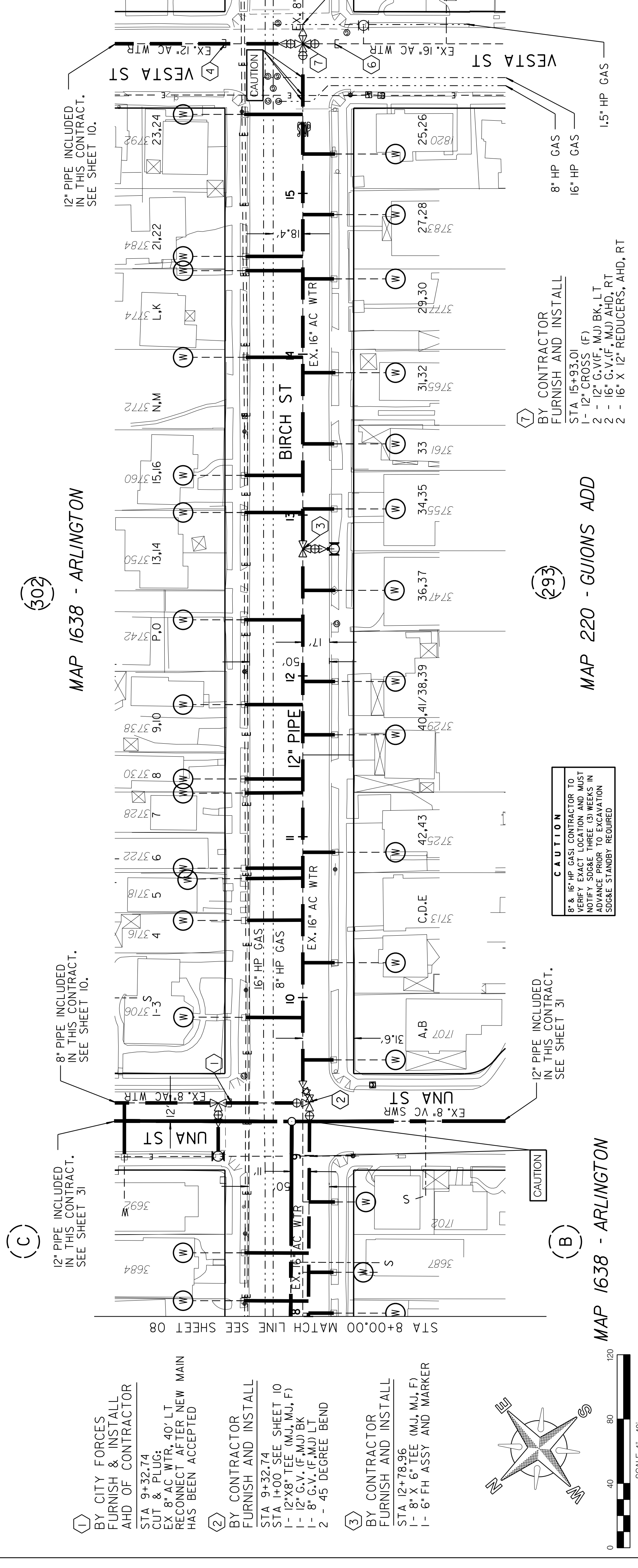
(4) BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 15+93.01
 CUT & PLUG;
 EX 12" AC WTR, 40' +/- LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

(5) BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 15+93.01
 CUT & PLUG;
 EX 16" AC WTR, 40' +/- AHD
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

(6) BY CONTRACTOR
 FURNISH AND INSTALL
 STA 15+93.01
 CUT & PLUG;
 EX 16" AC WTR, 20' +/- RT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

(7) BY CONTRACTOR
 FURNISH AND INSTALL
 STA 15+93.01
 1 - 12" CROSS (F, MJ, F)
 2 - 12" G.V. (F, MJ, BK, LT)
 1 - 16" B.V. (F, MJ, RT)
 1 - 16" X 12" REDUCER, LT
 1 - 12" X 8" REDUCER, AHD

FOR CITY ENGINEER JANICE JARO	DATE C70770
FOR PROJECT MANAGER JOSHUA ADELMAN	DATE C70770
FOR CITY ENGINEER JING DEBELISO	DATE C70770
FOR PROJECT ENGINEER JING DEBELISO	DATE C70770
DESCRIPTION ORIGINAL	DATE C70770
DATE STARTED	DATE COMPLETED
CONTRACTOR	INSPECTOR
41338-09-D	



(C)

(B)

(302)

(7)

(6)

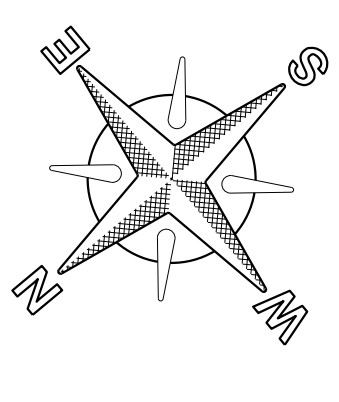
(5)

(4)

(1) BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 9+32.74
 CUT & PLUG;
 EX 8" AC WTR, 40' LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

(2) BY CONTRACTOR
 FURNISH AND INSTALL
 STA 9+32.74
 STA 1+00 SEE SHEET 10
 1 - 12" X 8" TEE (MJ, MJ, F)
 1 - 12" G.V. (F, MJ) BK
 1 - 8" G.V. (F, MJ) LT
 2 - 45 DEGREE BEND

(3) BY CONTRACTOR
 FURNISH AND INSTALL
 STA 12+78.96
 1 - 8" X 6" TEE (MJ, MJ, F)
 1 - 6" FH ASSY AND MARKER



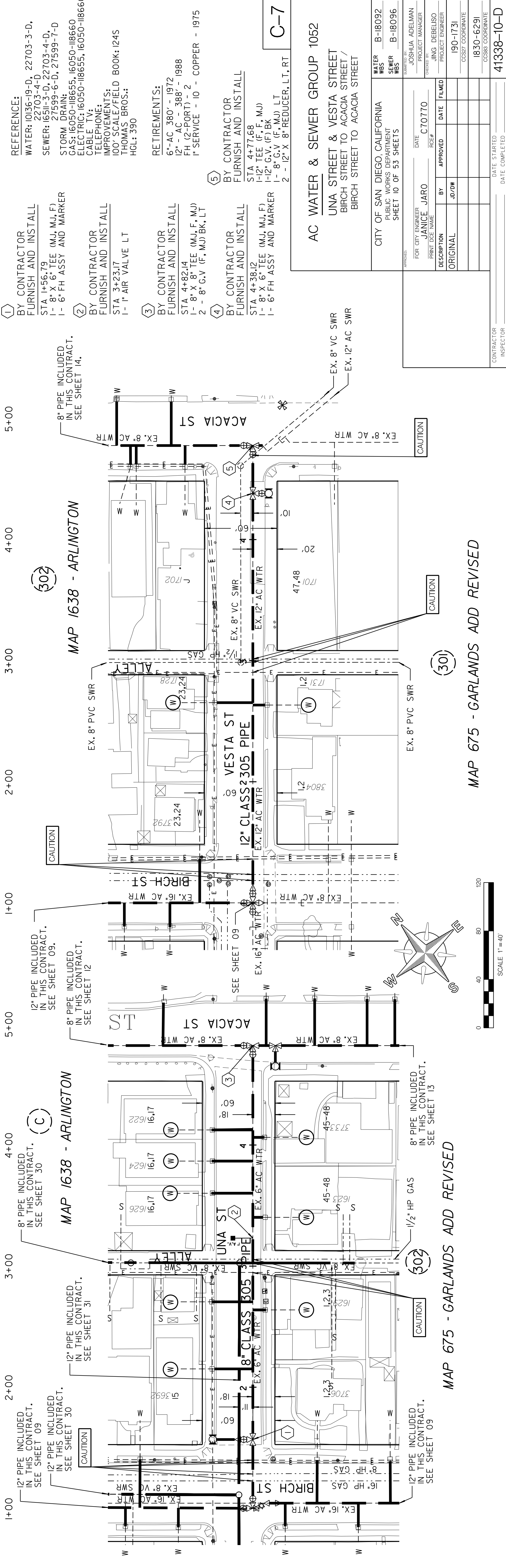
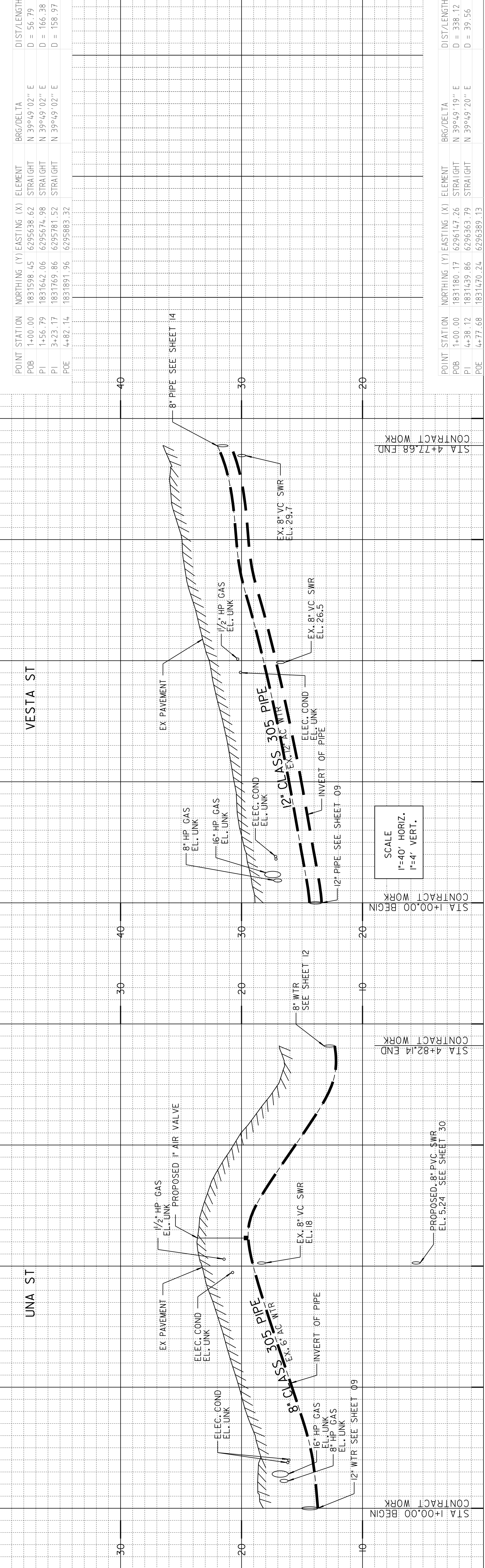
MAP 1638 - ARLINGTON

MAP 1638 - ARLINGTON

MAP 220 - GUIJONS ADD

60% DESIGN

UNA STREET & VESTA STREET



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1831598.45	6295638.62	STRAIGHT	N 39°49'02" E	D = 56.79
PI 1+56.79	1831642.06	6295674.98	STRAIGHT	N 39°49'02" E	D = 166.38
PI 3+23.17	1831769.86	6295781.52	STRAIGHT	N 39°49'02" E	D = 158.97
POE 4+82.14	1831891.96	6295883.32			

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1831180.17	6296147.26	STRAIGHT	N 39°49'19" E	D = 338.12
PI 4+38.12	1831439.86	6296363.79	STRAIGHT	N 39°49'20" E	D = 39.56
POE 4+77.68	1831470.24	6296389.13			

REFERENCE:
 WATER: 0336-19-D, 22703-3-D, 22703-4-D
 SEWER: 659J-3-D, 22703-4-D, 27599-6-D, 27599-7-D
 STORM DRAIN: 27599-6-D, 27599-7-D
 GAS: 16050-18655, 16050-18660
 ELECTRIC: 16050-18655, 16050-18660
 CABLE TV: 16050-18655, 16050-18660
 TELEPHONE: 16050-18655, 16050-18660
 IMPROVEMENTS: 100' SCALE/FIELD BOOK: 124S
 THOMAS BROS.: HGL: 390

RETIREMENTS:
 6"-AC 380' - 1972
 12"-AC 388' - 1988
 FH (2-PORT) - 2
 1" SERVICE - 10 - COPPER - 1975

BY CONTRACTOR FURNISH AND INSTALL
 STA 4+77.68
 1-2" TEE (F, F, M, J)
 1-2" C.V. (F, M, J) LT
 1-8" X 6" TEE (M, J, F, M, J)
 1-6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL
 STA 3+23.17
 1-1" AIR VALVE LT

BY CONTRACTOR FURNISH AND INSTALL
 STA 4+82.14
 1-8" X 8" TEE (M, J, F, M, J)
 2 - 8" C.V. (F, M, J) BK, LT

BY CONTRACTOR FURNISH AND INSTALL
 STA 4+38.12
 1-8" X 6" TEE (M, J, M, J, F)
 1-6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL
 STA 4+77.68
 1-2" TEE (F, F, M, J)
 1-2" C.V. (F, M, J) LT
 1-8" X 6" TEE (F, M, J) LT
 2 - 12" X 8" REDUCER, LT, RT

AC WATER & SEWER GROUP 1052
 UNA STREET & VESTA STREET
 BIRCH STREET TO ACACIA STREET/
 BIRCH STREET TO ACACIA STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 10 OF 53 SHEETS

WATER WBS: B-18092
 SEWER WBS: B-18096

APPROVED BY: JOSHUA ADELMAN
 PROJECT MANAGER

FOR CITY ENGINEER: JANICE JARO
 DATE: C70770

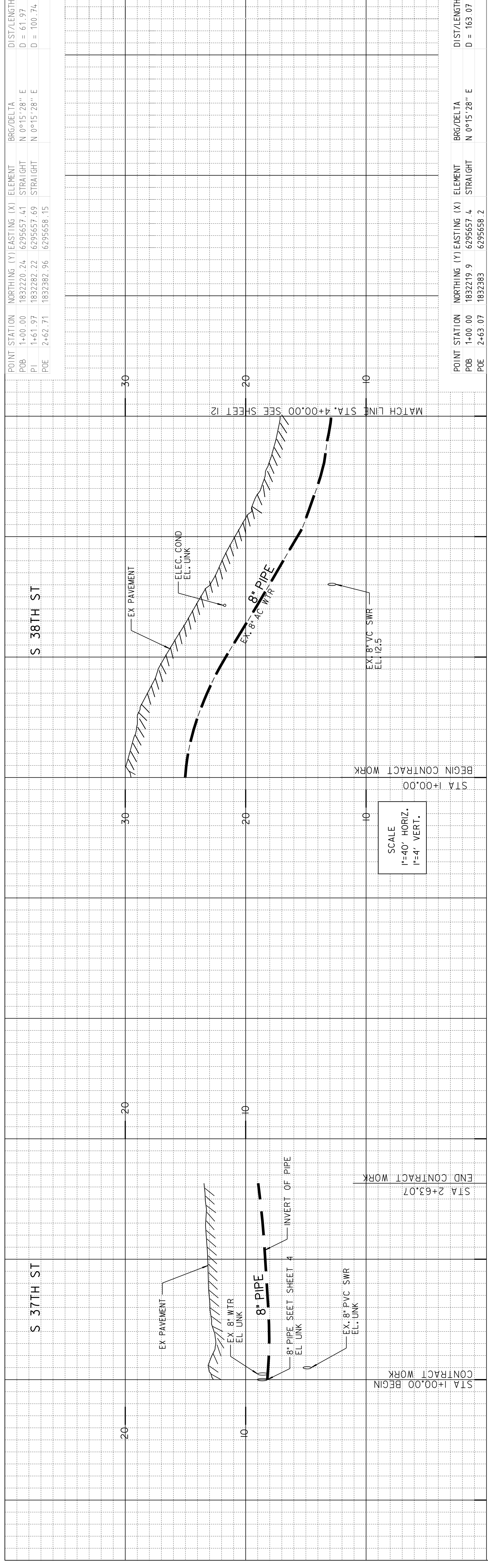
DESCRIPTION: ORIGINAL
 BY: JING DEBELISO
 DATE: FILMED

DATE STARTED: 190-1731
 DATE COMPLETED: 41338-10-D

CONTRACTOR: _____
 INSPECTOR: _____
 SCALE 1"=40'

MAP 1638 - ARLINGTON
 MAP 675 - GARLANDS ADD REVISED

60% DESIGN



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/Delta	DIST/LENGTH
POB	1+00.00	1832220.24	6295657.41	STRAIGHT	N 0°15'28" E D = 61.97
PI	1+61.97	1832282.22	6295657.69	STRAIGHT	N 0°15'28" E D = 100.74
POE	2+62.71	1832382.96	6295658.15		

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/Delta	DIST/LENGTH
POB	1+00.00	1832219.9	6295657.4	STRAIGHT	N 0°15'28" E D = 163.07
POE	2+63.07	1832383	6295658.2		

REFERENCE:

WATER: 22703-II-D, I2202-7-D
 SEWER: 27599-16-D, 26285-6-D
 STORM DRAIN: 09867-D, 10019-D
 GAS: 16050-18665
 ELEC TRIC: 16050-18665
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: 1245
 THOMAS BROS.: 128906
 HGL: 390

RETIREMENTS:

8" - AC - 163' - 1986
 8" - AC - 300' - 1966
 FH (2-PORT) - 2
 1" SERVICE - 3 - COPPER - 1986
 1" SERVICE - 6 - COPPER - 1966

BY CONTRACTOR FURNISH AND INSTALL

STA 3+36.76 (M.J. M.J.F)
 1- 8" X 6" TEE
 1- 6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL

STA 3+42.87
 1- 45 DEGREE BEND

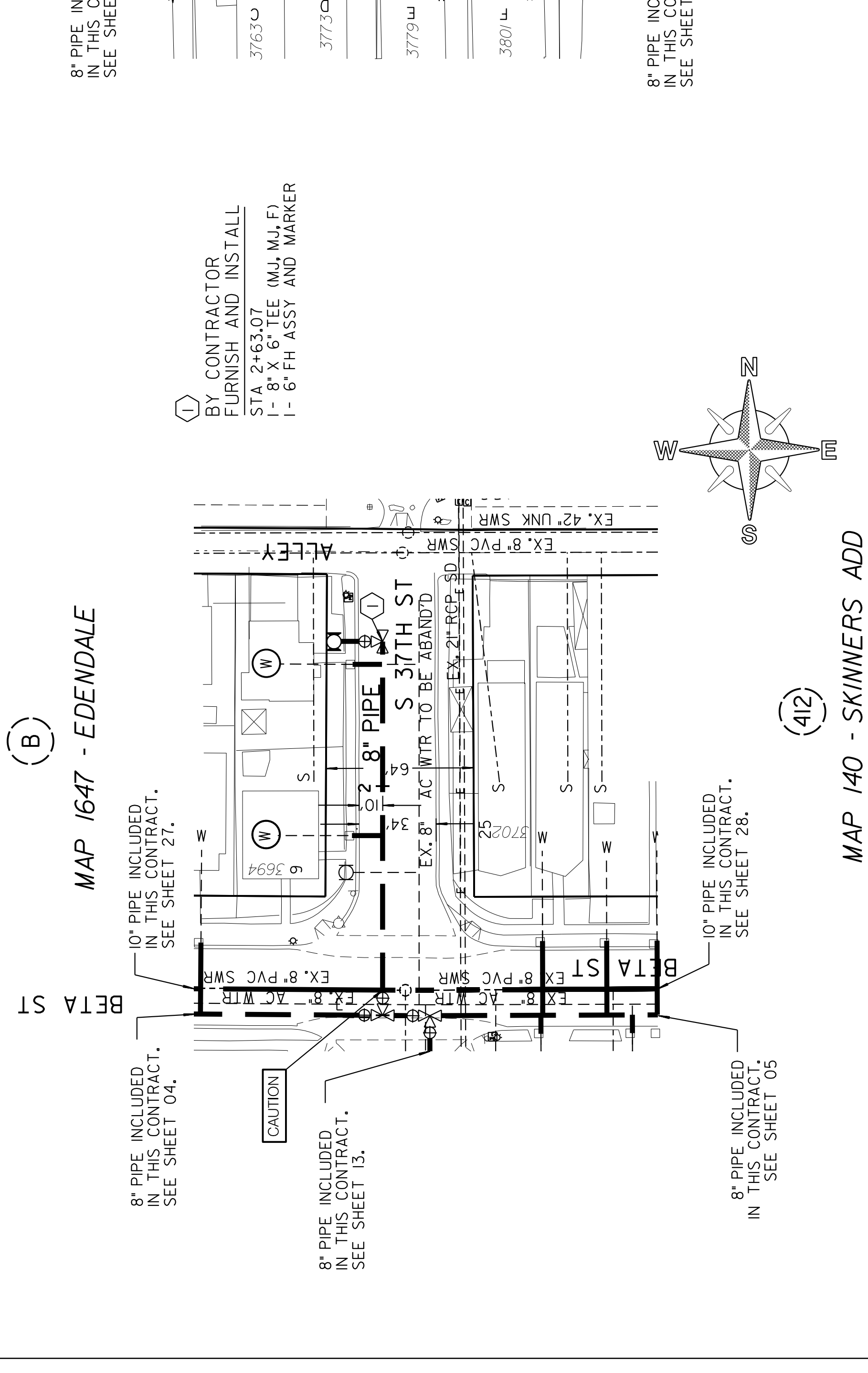
AC WATER & SEWER GROUP 1052
 S 38TH STREET & ACACIA STREET
 ACACIA STREET TO ALLEY BLK C
 ACACIA STREET TO GAMMA STREET

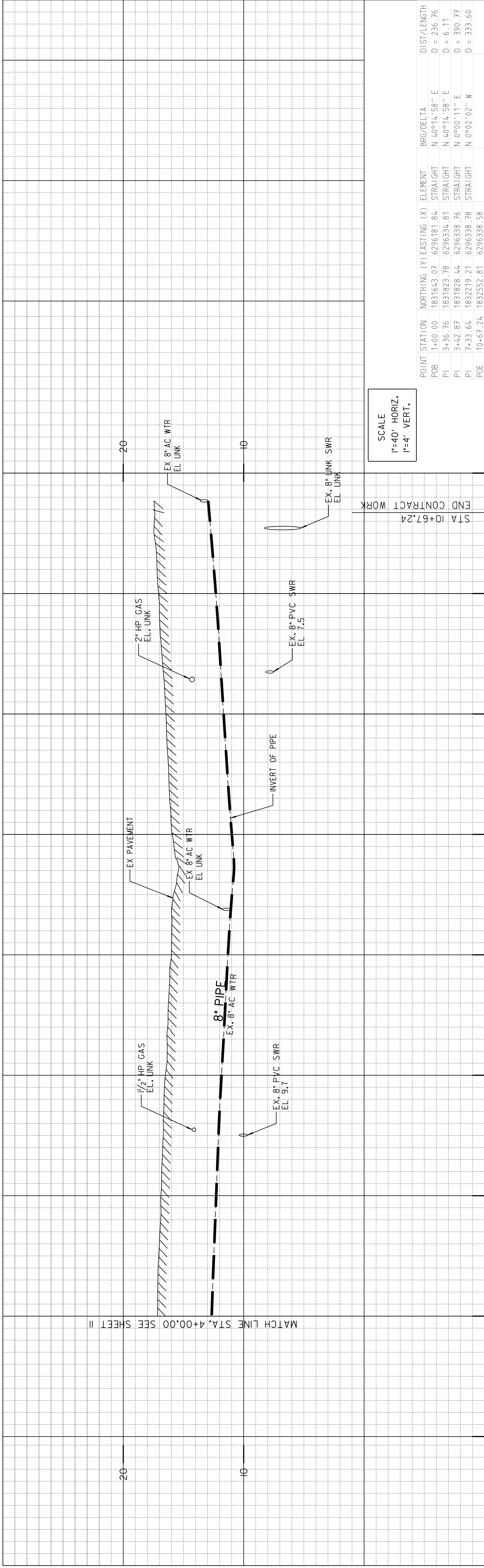
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 110F OF 53 SHEETS

FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770
 PRINT DATE: JING DEBELISO
 APPROVED: ORIGINAL
 BY: J.D./J.W.
 DATE: FILMED
 190-1731
 180-1730

WATER WBS: B-18092
 SEWER WBS: B-18096

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: 41338-11-D





POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1831643.07	6296181.84	STRAIGHT	N 40°14'58" E	D = 236.76
PI	3+36.76	1831823.78	6296334.81	STRAIGHT	N 40°14'58" E	D = 6.11
PI	3+42.87	1831828.44	6296338.76	STRAIGHT	N 0°00'11" E	D = 390.77
PI	7+33.64	1832219.21	6296338.78	STRAIGHT	N 0°02'02" W	D = 333.60
POE	10+67.24	1832552.81	6296338.58			

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

REFERENCE:
WATER: 2202-7-D, 22703-10-D
SEWER: 21599-16-D, 21599-17-D, 26285-7-D
STORM DRAIN: 21504-3-D
GAS: 16057-18665, 16057-18670
ELECTRIC: 16057-18665, 16057-18670
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: 424S
THOMAS BRUS: 128966
HGL: 390

BY CONTRACTOR FURNISH AND INSTALL
STA 7+33.64
1- 8" CROSS (F)
3 - 8" G.V (F, F, MJ BK, AHD, LT)

BY CONTRACTOR FURNISH AND INSTALL
STA 10+67.24
1- 90 DEGREE BEND
1- 8" G.V (F, MJ BK)

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR
STA 10+67.24
CUT & PLUG
EX. 8" AC WTR, 20' RT
RECONNECT AFTER INSTALLED
NEW MAIN HAS BEEN ACCEPTED

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR
STA 10+67.24
EX. 8" AC WTR TO BE ABAND'D

RETIREMENTS:
8" - AC - 667' - 1966
FH (2-PORT) - 1
1" SERVICE - 15 - COPPER - 1966

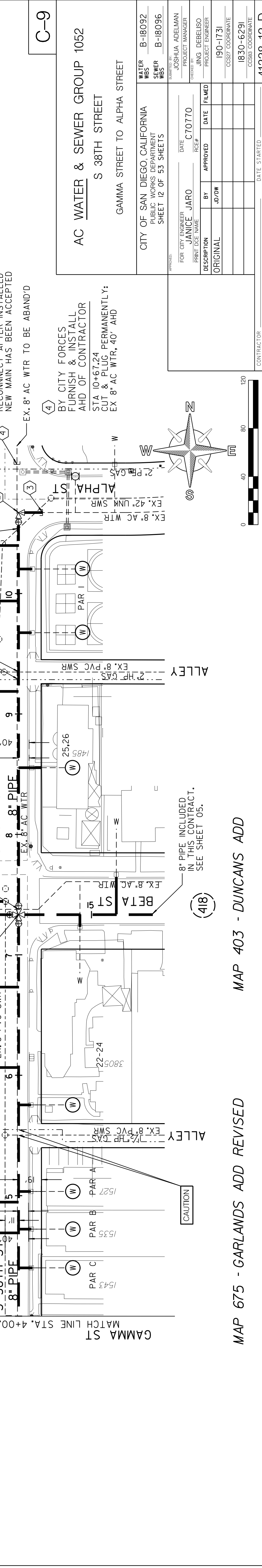
MAP 140 - SKINNERS ADD
10" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 28

MAP III - SKINNERS ADD RESUB OF POR
8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 05

MAP 1638 - ARLINGTON
1/2" HP GAS EL. UNK

MAP 675 - GARLANDS ADD REVISED
1/2" HP GAS EL. UNK

MAP 403 - DUNCANS ADD
8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 05.



AC WATER & SEWER GROUP 1052
S 38TH STREET
GAMMA STREET TO ALPHA STREET

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 12 OF 53 SHEETS

FOR CITY ENGINEER: JANICE JARO
DATE: C70770
PROJECT MANAGER: JOSHUA ADELMAN

FOR CITY ENGINEER: JUANICE JARO
DATE: C70770
PROJECT MANAGER: JOSHUA ADELMAN

DESCRIPTION: ORIGINAL
BY: JAW
DATE: FILMED
PROJECT ENGINEER: JING DEBELISO

CS887 COORDINATE: 190-1731
CS888 COORDINATE: 1830-6291

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: 41338-12-D

SCALE 1"=40'

MAP 675 - GARLANDS ADD REVISED MAP 403 - DUNCANS ADD MAP 140 - SKINNERS ADD MAP III - SKINNERS ADD RESUB OF POR MAP 1638 - ARLINGTON

60% DESIGN

ACACIA ST

20

10

0

30

20

10

18" RCP SD
EL. 9.7

1/2" HP GAS
EL. UNK

8" WTR SEE SHEET 04
EL. UNK

8" PIPE
EX. 8" AC WTR

8" WTR SEE SHEET 10
EL. UNK

INVERT OF PIPE

STA 1+00.00
BEGIN CONTRACT
WORK

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

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1832219.65	6295678.05	STRAIGHT	S 0°07'03" W	D = 156.28
PI 2+56.28	1832063.37	6295677.73	STRAIGHT	S 50°10'49" E	D = 7.62
PI 2+63.90	1832058.49	6295683.58	STRAIGHT	S 50°10'49" E	D = 260.05
PI 5+23.95	1831891.96	6295883.32	STRAIGHT	S 50°10'49" E	D = 18.61
PI 5+42.56	1831880.05	6295897.61	STRAIGHT	S 50°10'49" E	D = 360.36
PI 9+02.92	1831649.28	6296174.39	STRAIGHT	S 50°10'49" E	D = 9.69
PI 9+12.61	1831643.07	6296181.84	STRAIGHT	S 50°10'49" E	D = 269.89
PI 11+82.50	1831470.24	6296389.13	STRAIGHT	S 50°10'49" E	D = 8.10
POE 11+90.60	1831465.06	6296395.35			

1+00 2+00 3+00 4+00 5+00 6+00 7+00

(413) MAP III - SKINNERS ADD RESUB POR

(D) MAP 675 - GARLANDS ADD REVISED

8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET II

10" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 27

8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 04

CAUTION

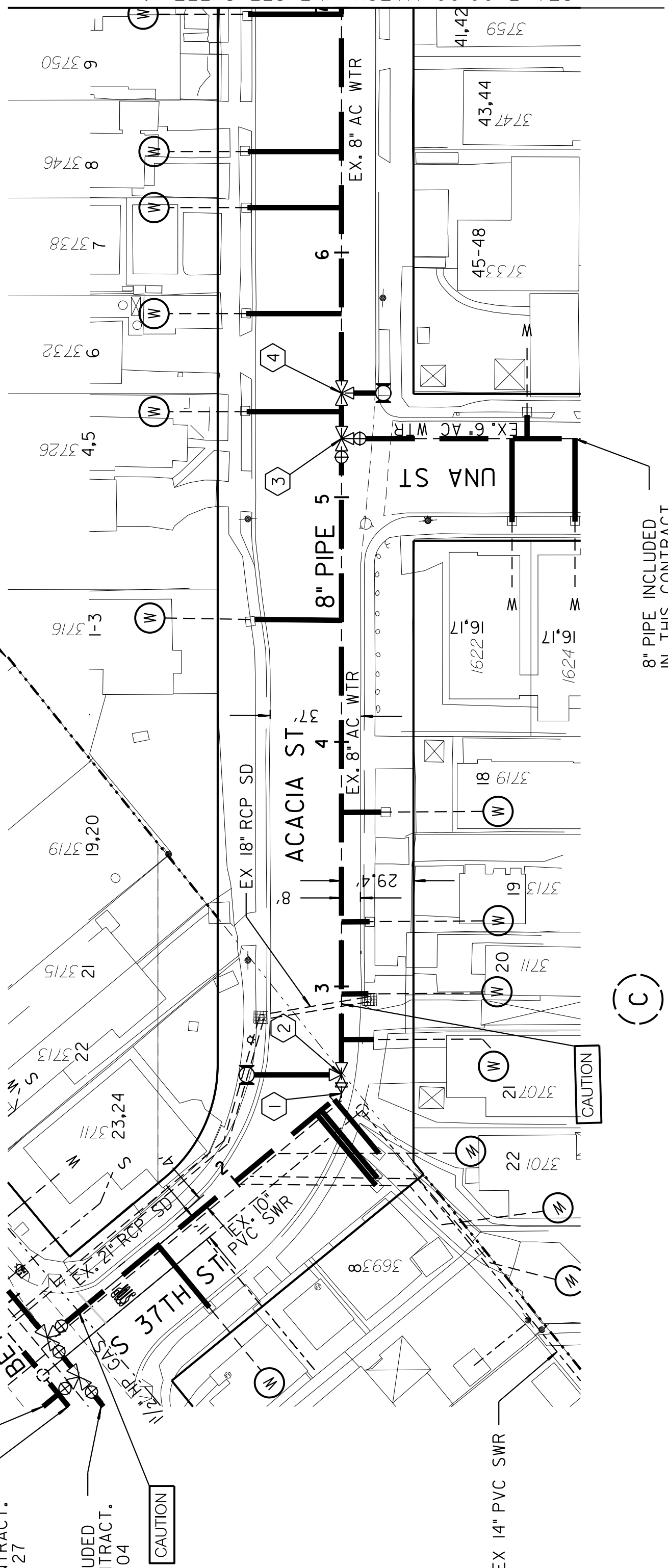
(1) BY CONTRACTOR FURNISH AND INSTALL
STA 2+56.28
1- 8" TEE (F, MJ, F)
1- 45 DEGREE BEND

(2) BY CONTRACTOR FURNISH AND INSTALL
STA 5+42.56
1- 8" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY AND MARKER

(3) BY CONTRACTOR FURNISH AND INSTALL
STA 5+23.95
1- 8" TEE (F, MJ, F)
2 - 8" G.V (F, F) BK, RT

(4) BY CONTRACTOR FURNISH AND INSTALL
STA 9+12.61
1- 8" AC - 600' - 1961
FH (I-PORT) - 1
FH (3-PORT) - 1
1" SERVICE - 13 - COPPER - 1961

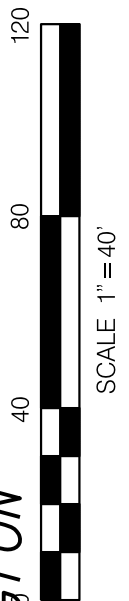
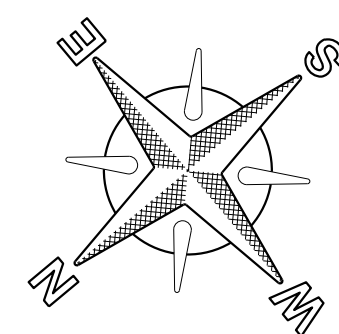
REFERENCE:
WATER: 10081-6-D
SEWER: 00332-D, 37924-2-D
STORM DRAIN: 09867-I-D
GAS: 16042-118665, 16050-118665
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: 124S
THOMAS BROS.: 128906
HGL: 390



(C) MAP 675 - GARLANDS ADD REVISED

(C) MAP 1638 - ARLINGTON

8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 10



C-10

AC WATER & SEWER GROUP 1052
ACACIA STREET

S 37TH STREET TO NWO S 38TH STREET

CITY OF SAN DIEGO CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 13 OF 53 SHEETS	WATER WBS B-18092 SEWER WBS B-18096
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER	DATE: C70770
FOR CITY ENGINEER: JANICE JARO	DATE: C70770
PRINT DATE: _____	DATE: _____
DESCRIPTION: ORIGINAL	BY: APPROVED
DATE: _____	DATE: _____
PROJECT ENGINEER: JING DEBELISO	PROJECT ENGINEER: JING DEBELISO
CS887 COORDINATE: 190-1731	CS887 COORDINATE: 190-1731
CS888 COORDINATE: 1830-6291	CS888 COORDINATE: 1830-6291
CONTRACTOR INSPECTOR: _____	DATE STARTED: _____
DATE COMPLETED: _____	DATE COMPLETED: _____
41388-13-D	41388-13-D

60% DESIGN

ACACIA ST

STA 7+00.00 MATCH LINE SEE SHEET 12

8" WTR SEE SHEET II
EL. UNK

EX PAVEMENT

LELEC. COND
EL. UNK

8" PIPE
EX. 8" AC WTR

INVERT OF PIPE

EX. 12" WTR
EL. UNK

STA. II+90.60
END CONTRACT WORK

SCALE
I"=40' HORIZ.
I"=4' VERT.

10

20

30

POINT STATION

ELEMENT

BRG/DELTA

DIST/LENGTH

POB	1+00.00	1832219.65	6295678.05	STRAIGHT	S 0°07'03" W	D = 156.28
PI	2+56.28	1832063.37	6295677.73	STRAIGHT	S 50°10'49" E	D = 7.62
PI	2+63.90	1832058.49	6295683.58	STRAIGHT	S 50°10'49" E	D = 260.05
PI	5+23.95	1831891.96	6295883.32	STRAIGHT	S 50°10'49" E	D = 18.61
PI	5+42.56	1831880.05	6295897.61	STRAIGHT	S 50°10'49" E	D = 360.36
PI	9+02.92	1831649.28	6296174.39	STRAIGHT	S 50°10'49" E	D = 9.69
PI	9+12.61	1831643.07	6296181.84	STRAIGHT	S 50°10'49" E	D = 269.89
PI	11+82.50	1831470.24	6296389.13	STRAIGHT	S 50°10'49" E	D = 8.10
POE	11+90.60	1831465.06	6296395.35			

7+00

8+00

9+00

10+00

11+00

REFERENCE:
WATER: 100816-D, I2202-7-D, I4286-L
SEWER: 27599-12-D, 22703-4-D
STORM DRAIN:

BY CONTRACTOR
FURNISH AND INSTALL
ELECTRIC: 16050-118660, 16050-118665
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
1- 8" X 6" TEE (M.J. F)
1- 6" FH ASSY AND MARKER
THOMAS BROS.: I28906
HGL: 390

RETIREMENTS:
8" - MATERIAL - 491' - 1961
FH (3-PORT) - 1
1" SERVICE - 15 - COPPER - 1961

1 BY CONTRACTOR
FURNISH AND INSTALL
STA 9+02.92
1- 8" X 6" TEE (M.J. F)
1- 6" FH ASSY AND MARKER

2 BY CONTRACTOR
FURNISH AND INSTALL
STA 9+12.61
1- 8" TEE
2 - 8" G.V (M.J. F, F) AHD, LT

3 BY CONTRACTOR
FURNISH AND INSTALL
STA II+82.50 = STA 4+78.66
SEE SHEET 10 NOTE 4
1- 8" TEE
2 - 8" G.V (F, M.J. F) BK, RT

4 BY CITY FORCES
FURNISH & INSTALL
AHD OF CONTRACTOR
STA II+90.60
EX. 12" AC WTR 20' AHD
RECONNECT AFTER MAIN
HAS BEEN ACCEPTED

8" PIPE INCLUDED
IN THIS CONTRACT.
SEE SHEET II

MAP 1638 - ARLINGTON

(E)

8" PIPE INCLUDED
IN THIS CONTRACT.
SEE SHEET II

MAP 1638 - ARLINGTON

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SEE SHEET II

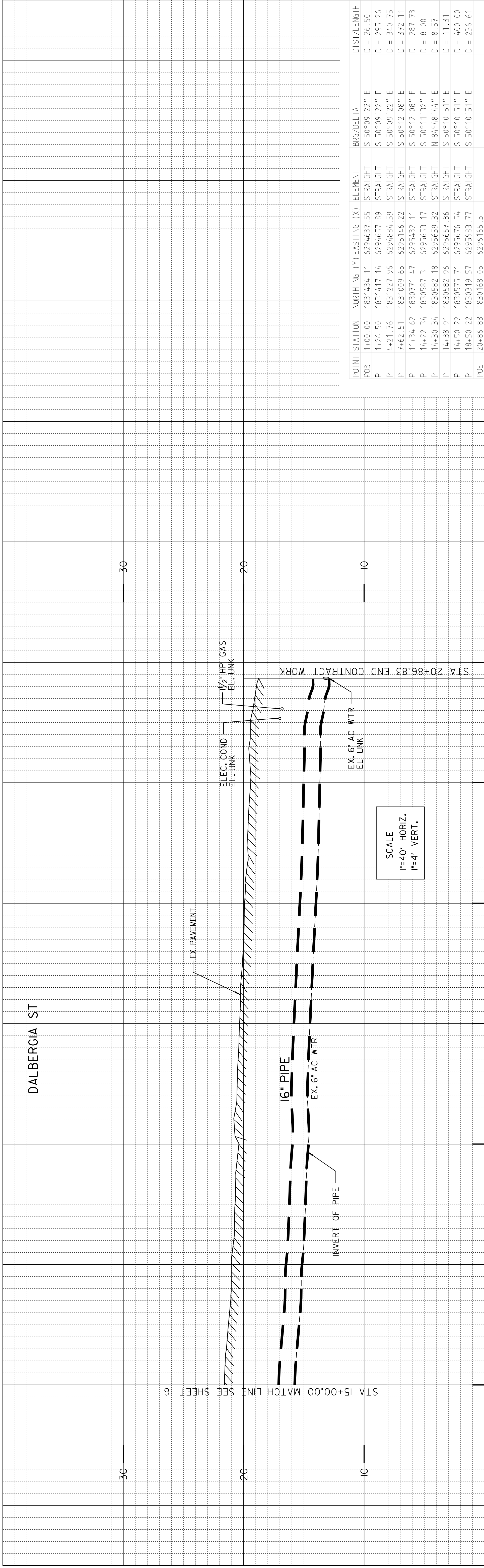
MAP 1638 - ARLINGTON

(E)

8" PIPE INCLUDED
IN THIS CONTRACT.
SEE SHEET II

MAP 1638 - ARLINGTON

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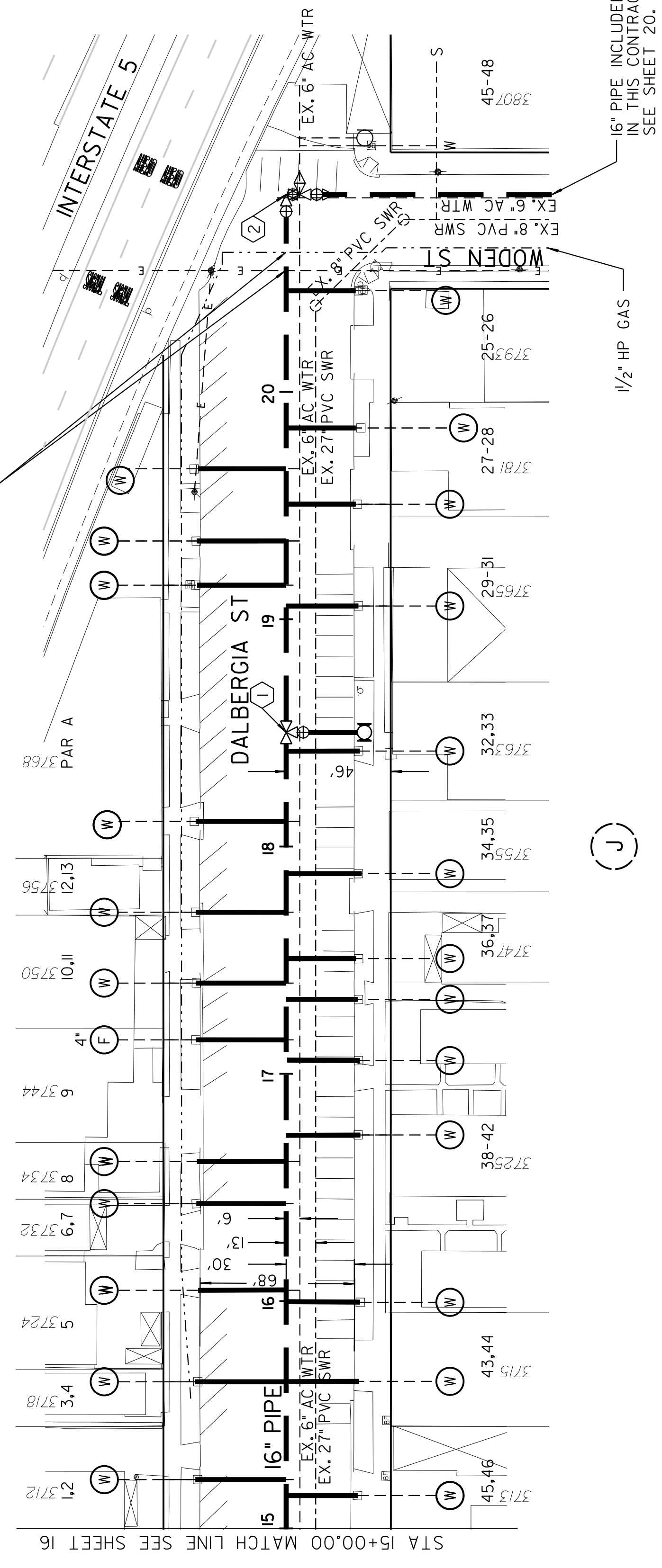


POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1831434.11	6294637.55	STRAIGHT	S 50°09'22" E	D = 26.50
PI 1+26.50	1831417.14	6294657.89	STRAIGHT	S 50°09'22" E	D = 295.26
PI 4+21.76	1831227.96	6294884.59	STRAIGHT	S 50°09'22" E	D = 340.75
PI 7+62.51	1831009.65	6295146.22	STRAIGHT	S 50°12'08" E	D = 372.11
PI 11+34.62	1830771.47	6295432.11	STRAIGHT	S 50°12'08" E	D = 287.73
PI 14+22.34	1830587.3	6295653.17	STRAIGHT	S 50°11'32" E	D = 8.00
PI 14+30.34	1830582.18	6295659.32	STRAIGHT	N 84°48'44" E	D = 8.57
PI 14+38.91	1830582.96	6295667.86	STRAIGHT	S 50°10'51" E	D = 11.31
PI 14+50.22	1830575.71	6295676.54	STRAIGHT	S 50°10'51" E	D = 400.00
PI 18+50.22	1830319.57	6295983.77	STRAIGHT	S 50°10'51" E	D = 400.00
POE 20+86.83	1830168.05	6296165.5	STRAIGHT	S 50°10'51" E	D = 236.61

REFERENCE:
 WATER: 23546 - 09916-25-D
 SEWER: 26309-6-D
 STORM DRAIN:
 GAS: 16050-18645
 ELEC TRIC: 16050-18645
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: 1245
 THOMAS BROS.: 1289G7
 HGL: 390

RETIREMENTS:
 6" - AC - 585' - 1947
 FH (I-PORT) - 1
 3/4" SERVICE - 1 - COPPER - 1947
 3/4" SERVICE - 1 - COPPER - 1973
 1" SERVICE - 22 - COPPER - 1962
 4" SERVICE - 1 - PVC - UNK

- ① BY CONTRACTOR FURNISH AND INSTALL
 1- 8" X 6" TEE (M.J, M.J, F)
 1- 6" FH ASSY AND MARKER
- ② BY CONTRACTOR FURNISH AND INSTALL
 STA 20+86.23 = 4+36.64
 SEE SHEET 20 NOTE 9
 1- 90 DEGREE BEND
 1- 16" B.V. (M.J, F) BK



MAP 1638 - ARLINGTON

C-14

AC WATER & SEWER GROUP 1052
 DALBERGIA STREET
 EO VESTA STREET TO WODEN STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 17 OF 53 SHEETS

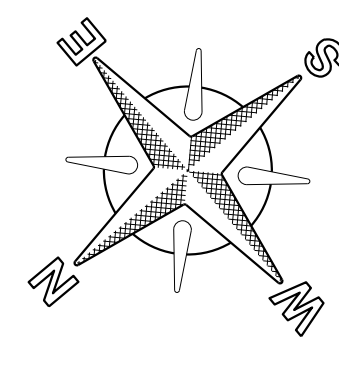
WATER WBS: B-18092
 SEWER WBS: B-18096

FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

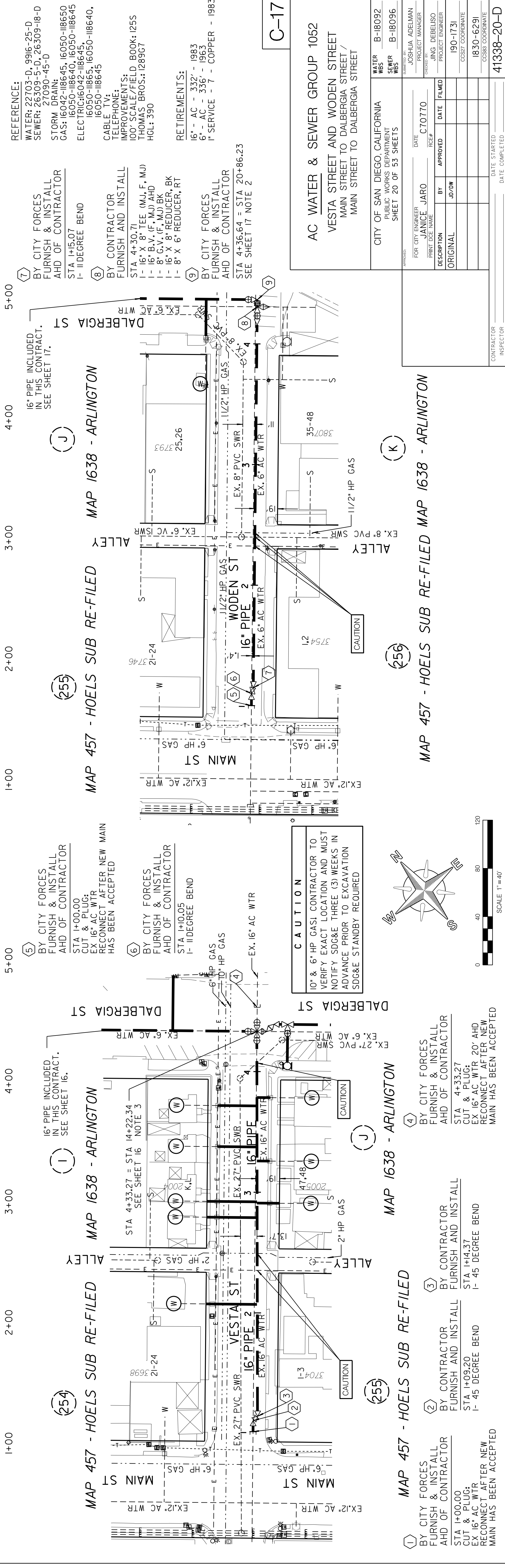
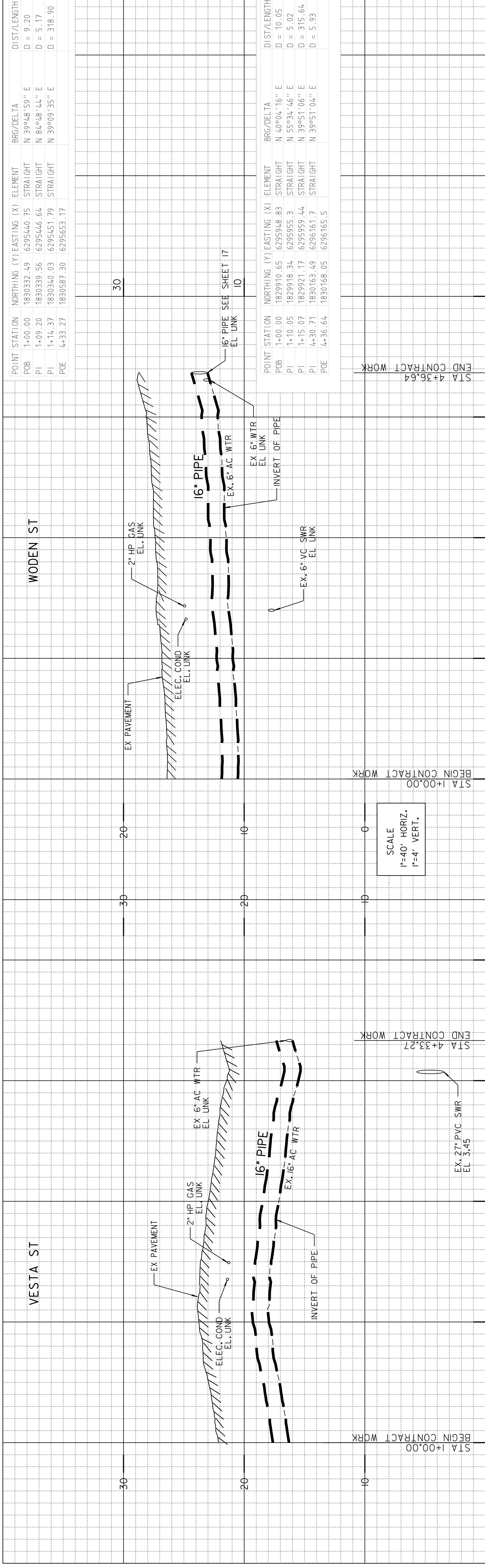
FOR CITY ENGINEER: JING DEBELISO
 PROJECT ENGINEER: JING DEBELISO
 DATE: []

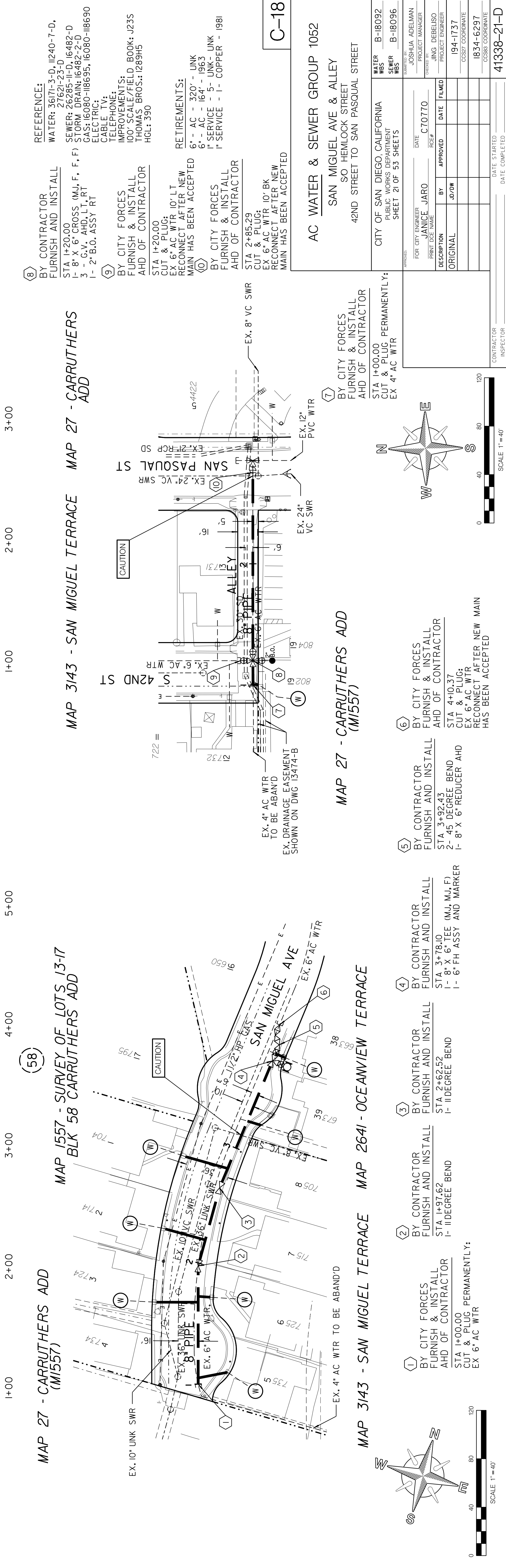
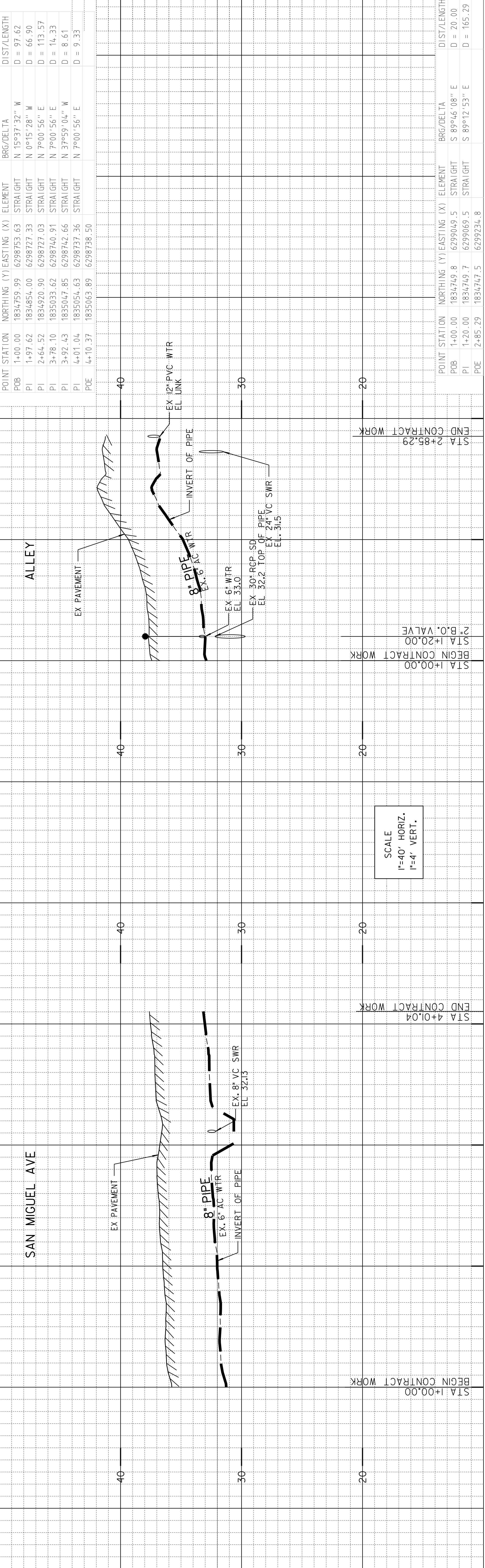
DESCRIPTION: ORIGINAL
 BY: []
 APPROVED: []
 DATE: []
 FILED: []

CONTRACTOR: []
 INSPECTOR: []
 DATE STARTED: []
 DATE COMPLETED: 41338-17-D



VESTA STREET AND WODEN STREET





REFERENCE:
 WATER: 36171-3-D, I1240-7-D, 27621-23-D
 SEWER: 26285-11-D, 16482-D
 STORM DRAIN: 16482-2-D
 GAS: 16080-118695, 16080-118690
 ELECTRIC:
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE FIELD BOOK: J23S
 THOMAS BROS.: 1289H5
 HGL: 590

RETIREMENTS:
 6" - AC - 320' - UNK
 6" - AC - 164' - 1963
 1" SERVICE - 5- UNK - UNK
 1" SERVICE - 1- COPPER - 1981

BY CONTRACTOR FURNISH AND INSTALL
 STA 1+20.00
 1- 8" X 6" CROSS (M.J. F., F. F.)
 3 - G.V. AHD, L.T. RT
 1- 2" B.O. ASSY RT

BY CITY FORCES FURNISH & INSTALL
 STA 1+20.00
 CUT & PLUG;
 EX. 6" AC WTR 10' LT
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED

BY CITY FORCES FURNISH & INSTALL
 STA 2+85.29
 CUT & PLUG;
 EX. 6" AC WTR 10' BK
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED

BY CONTRACTOR FURNISH AND INSTALL
 STA 1+00.00
 2" B.O. VALVE

BY CITY FORCES FURNISH & INSTALL
 STA 1+00.00
 CUT & PLUG PERMANENTLY;
 STA 1+00.00
 CUT & PLUG PERMANENTLY;
 EX. 4" AC WTR

BY CONTRACTOR FURNISH AND INSTALL
 STA 3+92.43
 2- 45 DEGREE BEND
 1- 8" X 6" REDUCER AHD

BY CONTRACTOR FURNISH AND INSTALL
 STA 3+78.10
 1- 8" X 6" TEE (M.J. M.J.F.)
 1- 6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL
 STA 2+62.62
 1- 11 DEGREE BEND

BY CONTRACTOR FURNISH AND INSTALL
 STA 1+97.62
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL
 STA 1+00.00
 CUT & PLUG PERMANENTLY;
 EX. 6" AC WTR

BY CONTRACTOR FURNISH AND INSTALL
 STA 1+97.62
 1- 11 DEGREE BEND

BY CONTRACTOR FURNISH AND INSTALL
 STA 2+62.62
 1- 11 DEGREE BEND

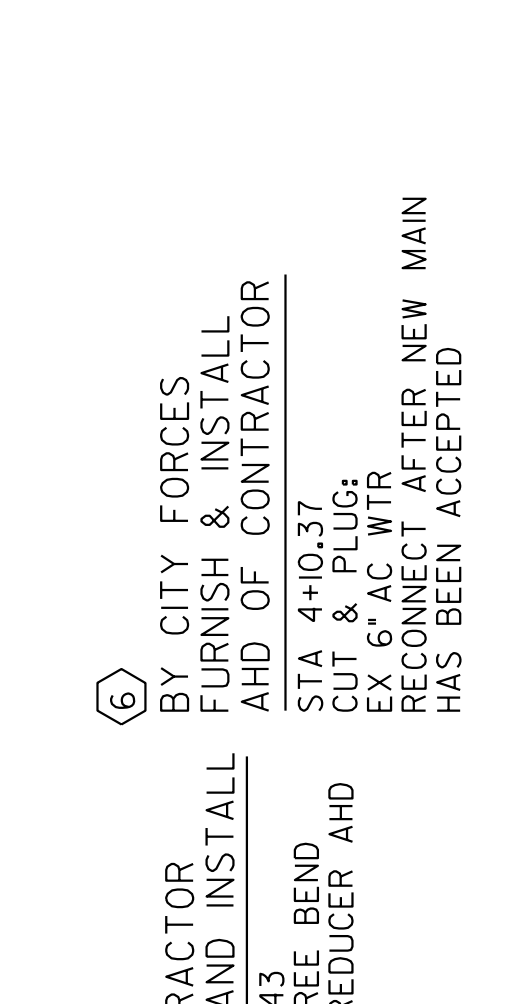
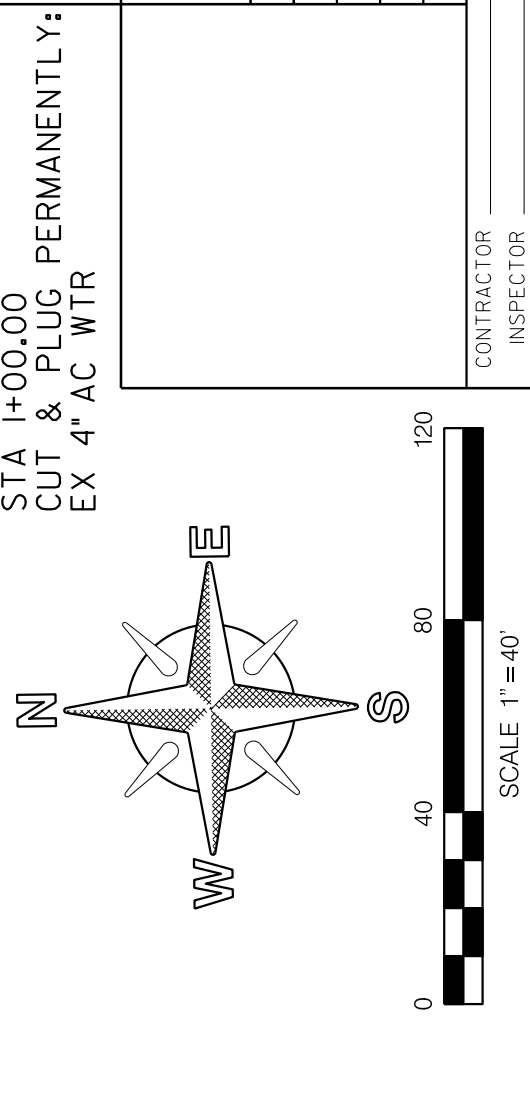
BY CONTRACTOR FURNISH AND INSTALL
 STA 3+78.10
 1- 8" X 6" TEE (M.J. M.J.F.)
 1- 6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL
 STA 3+92.43
 2- 45 DEGREE BEND
 1- 8" X 6" REDUCER AHD

BY CONTRACTOR FURNISH AND INSTALL
 STA 1+00.00
 2" B.O. VALVE

BY CITY FORCES FURNISH & INSTALL
 STA 1+00.00
 CUT & PLUG PERMANENTLY;
 EX. 4" AC WTR

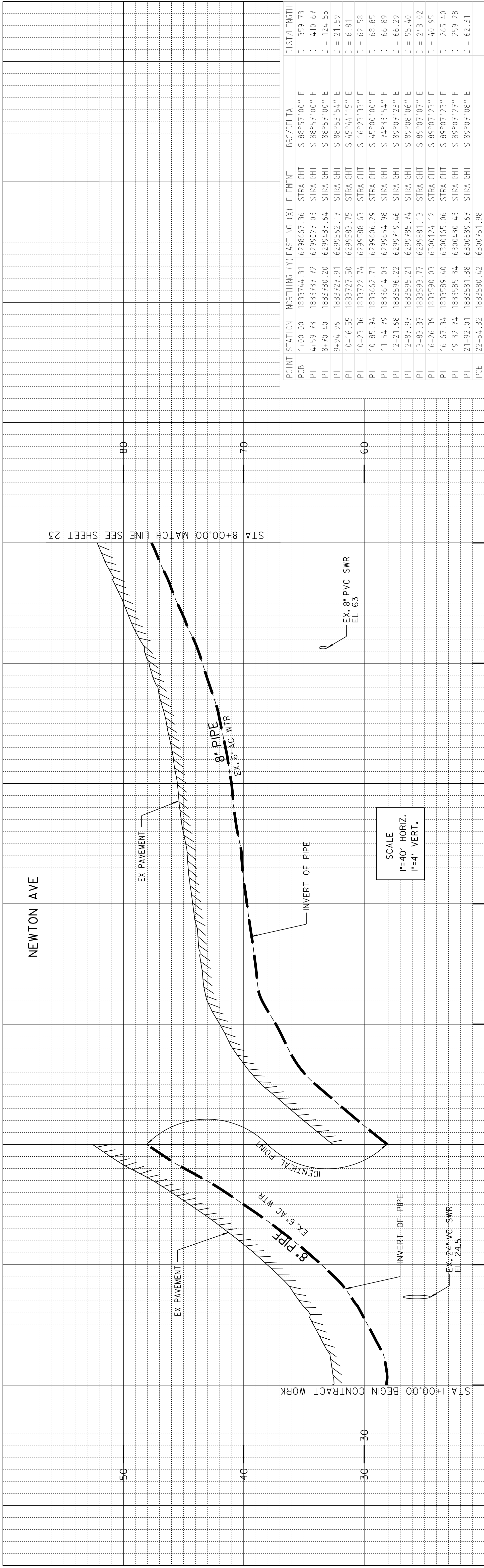
FOR CITY ENGINEER	JANICE JARO	DATE	C70770
FOR PROJECT MANAGER	JOSHUA ADELMAN	PROJECT MANAGER	
FOR PROJECT ENGINEER	JING DEBELISO	PROJECT ENGINEER	
DESCRIPTION	ORIGINAL	DATE	FILED
BY	JM/JW	APPROVED	
DATE		FILED	
PROJECT ENGINEER		PROJECT ENGINEER	
PROJECT MANAGER		PROJECT MANAGER	
WATER	B-18092	WATER	B-18092
SEWER	B-18096	SEWER	B-18096



CONTRACTOR _____
 INSPECTOR _____
 DATE STARTED _____
 DATE COMPLETED _____

41338-21-D

60% DESIGN



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRC/DELTA	DI STA/LENGTH
POB 1+00.00	1833744.31	6298667.36	STRAIGHT	S 88°57'00\"	E D = 359.73
PI 4+59.73	1833737.72	6299027.03	STRAIGHT	S 88°57'00\"	E D = 410.67
PI 8+70.40	1833730.20	6299437.64	STRAIGHT	S 88°57'00\"	E D = 124.55
PI 9+94.36	1833727.91	6299562.17	STRAIGHT	S 88°53'54\"	E D = 21.59
PI 10+16.55	1833727.50	6299583.75	STRAIGHT	S 45°44'15\"	E D = 6.81
PI 10+23.36	1833722.74	6299588.63	STRAIGHT	S 16°23'33\"	E D = 62.58
PI 10+85.94	1833662.71	6299606.29	STRAIGHT	S 45°00'00\"	E D = 68.85
PI 11+54.79	1833614.03	6299654.98	STRAIGHT	S 74°9'33'54\"	E D = 66.89
PI 12+21.68	1833596.22	6299719.46	STRAIGHT	S 89°07'23\"	E D = 66.29
PI 12+87.97	1833595.21	6299785.74	STRAIGHT	S 89°08'06\"	E D = 95.40
PI 13+83.37	1833593.77	6299881.13	STRAIGHT	S 89°07'07\"	E D = 243.02
PI 16+26.39	1833590.03	6300124.12	STRAIGHT	S 89°07'23\"	E D = 40.95
PI 16+67.34	1833589.40	6300165.06	STRAIGHT	S 89°07'23\"	E D = 265.40
PI 19+32.74	1833585.34	6300430.43	STRAIGHT	S 89°07'27\"	E D = 259.28
PI 21+92.01	1833581.38	6300689.67	STRAIGHT	S 89°07'08\"	E D = 62.31
POE 22+54.32	1833580.42	6300751.98			

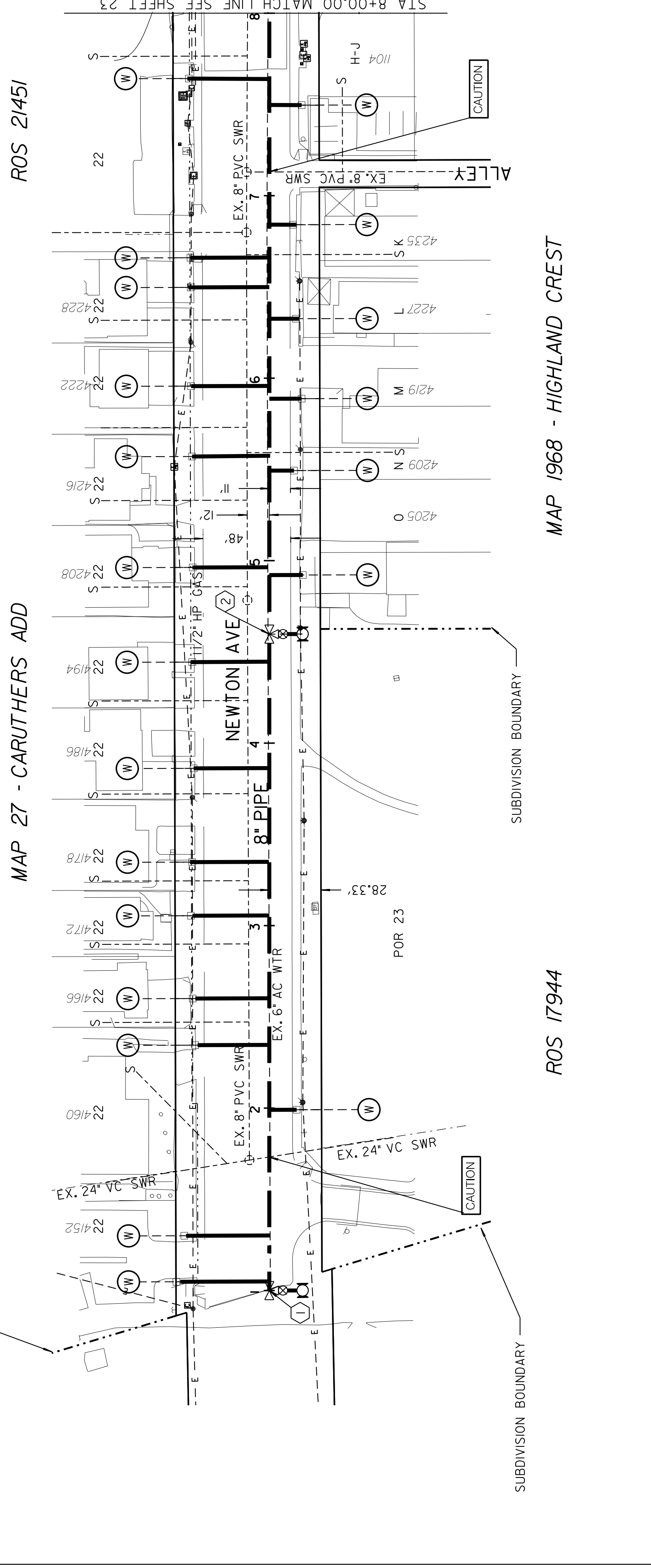
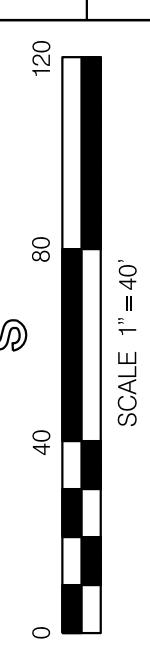
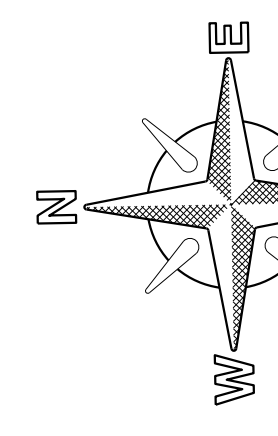
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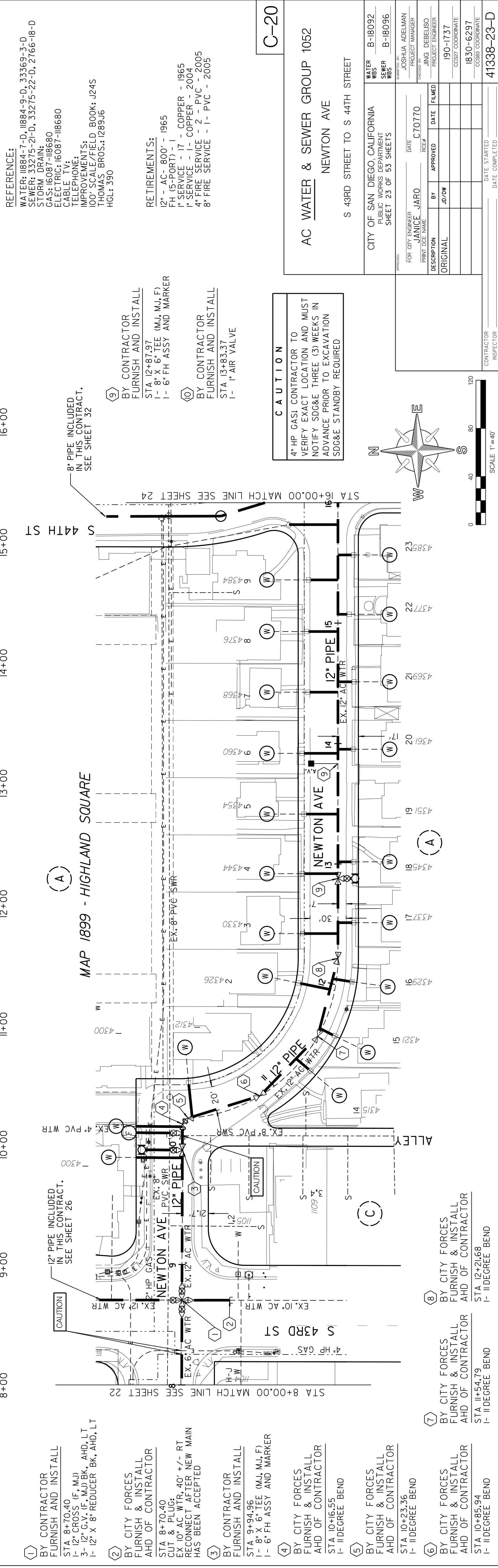
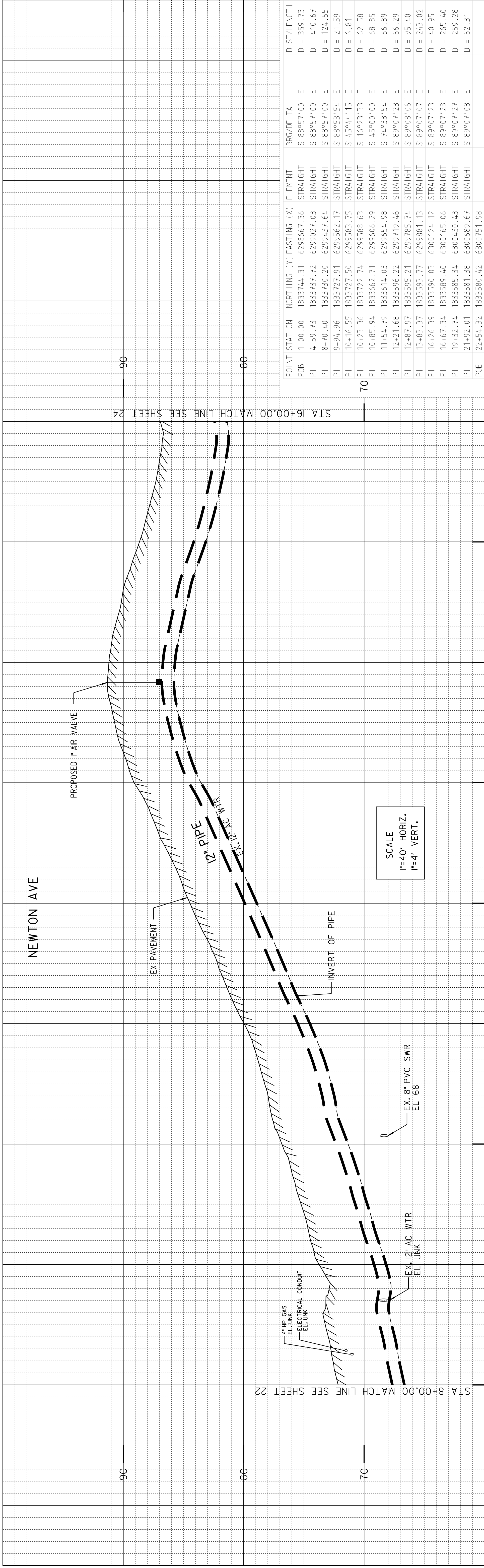
WATER: 05868-W
 SEWER: 27766-17-D, 27766-29-D
 STORM DRAIN:
 GAS: 16080-18680
 ELECTRIC: 16080-18680
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: 1289H6
 HGL: 390

RETIREMENTS:
 6\" - AC - 695' - 1953
 FH (2-PORT) - 1
 0.75\" SERVICE - 2 - COPPER - 1952
 0.75\" SERVICE - 1 - COPPER - 1959
 0.75\" SERVICE - 3 - WROUGHT IRON - 1944
 1\" SERVICE - 12 - COPPER - 1953
 1\" SERVICE - 1 - COPPER OR PLASTIC - 2000
 1.5\" SERVICE - 1 - COPPER - 1953
 1.5\" SERVICE - 1 - COPPER - 1981
 2\" SERVICE - 1 - COPPER - 1953

① BY CONTRACTOR
 FURNISH AND INSTALL
 STA 1+00.00
 1- 8\" X 6\" TEE (MJ, MJ, F)
 1- 6\" FH ASSY AND MARKER

② BY CONTRACTOR
 FURNISH AND INSTALL
 STA 4+59.73
 1- 8\" X 6\" TEE (MJ, MJ, F)
 1- 6\" FH ASSY AND MARKER





POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BVC/Delta	DI STA/LENGTH
POB 1+00.00	1833744.31	6298667.36	STRAIGHT	S 88°57'00" E	D = 359.73
PI 4+59.73	1833737.72	6299027.03	STRAIGHT	S 88°57'00" E	D = 410.67
PI 8+70.40	1833730.20	6299437.64	STRAIGHT	S 88°57'00" E	D = 124.55
PI 9+94.96	1833727.91	6299562.17	STRAIGHT	S 88°53'54" E	D = 21.59
PI 10+16.55	1833727.50	6299583.75	STRAIGHT	S 45°44'15" E	D = 6.81
PI 10+23.36	1833722.74	6299588.63	STRAIGHT	S 16°23'33" E	D = 62.58
PI 10+85.94	1833662.71	6299606.29	STRAIGHT	S 45°00'00" E	D = 68.85
PI 11+54.79	1833614.03	6299654.98	STRAIGHT	S 74°93'54" E	D = 66.89
PI 12+21.68	1833596.22	6299719.46	STRAIGHT	S 89°07'23" E	D = 66.29
PI 12+87.97	1833595.21	6299785.74	STRAIGHT	S 89°08'06" E	D = 95.40
PI 13+83.37	1833593.77	6299881.13	STRAIGHT	S 89°07'07" E	D = 243.02
PI 16+26.39	1833590.03	6300124.12	STRAIGHT	S 89°07'23" E	D = 40.95
PI 16+67.34	1833589.40	6300165.06	STRAIGHT	S 89°07'23" E	D = 265.40
PI 19+32.74	1833585.34	6300430.43	STRAIGHT	S 89°07'27" E	D = 259.28
PI 21+92.01	1833581.38	6300689.67	STRAIGHT	S 89°07'08" E	D = 62.31
POE 22+54.32	1833580.42	6300751.98			

REFERENCE:
 WATER: 11884-7-D, 11884-9-D, 33369-3-D
 SEWER: 33275-2-D, 33275-22-D, 2166-18-D
 STORM DRAIN:
 GAS: 16087-116680
 ELEC TRIC: 16087-116680
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: 1289J6
 HGL: 390

BY CONTRACTOR FURNISH AND INSTALL STA 8+70.40
 1- 12" CROSS. (F, MJ)
 3- 12" C.V. (F, MJ) BK, AHD, LT
 1- 12" X 8" REDUCER BK, AHD, LT

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 8+70.40
 CUT & PLUG;
 EX 10' AC WTR, 40' +/- RT RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED

BY CONTRACTOR FURNISH AND INSTALL STA 9+94.96
 1- 8" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY AND MARKER

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 10+16.55
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 10+23.36
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 10+85.94
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 12+21.68
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 12+87.97
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 13+83.37
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 16+26.39
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 16+67.34
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 19+32.74
 1- 11 DEGREE BEND

BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR STA 21+92.01
 1- 11 DEGREE BEND

BY CONTRACTOR FURNISH AND INSTALL STA 12+87.97
 1- 8" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY AND MARKER

BY CONTRACTOR FURNISH AND INSTALL STA 13+83.37
 1- 1" AIR VALVE

BY CONTRACTOR FURNISH AND INSTALL STA 16+26.39
 1- 1" AIR VALVE

8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 32

RETIREMENTS:
 12" - AC - 800' - 1965
 FH (5-PORT) - 1
 1" SERVICE - 17 - COPPER - 1965
 1" SERVICE - 1 - COPPER - 2004
 4" FIRE SERVICE - 2 - PVC - 2005
 8" FIRE SERVICE - 1 - PVC - 2005

CAUTION
 4" HP GAS CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION SDG&E STANDBY REQUIRED

AC WATER & SEWER GROUP 1052
 NEWTON AVE
 S 43RD STREET TO S 44TH STREET

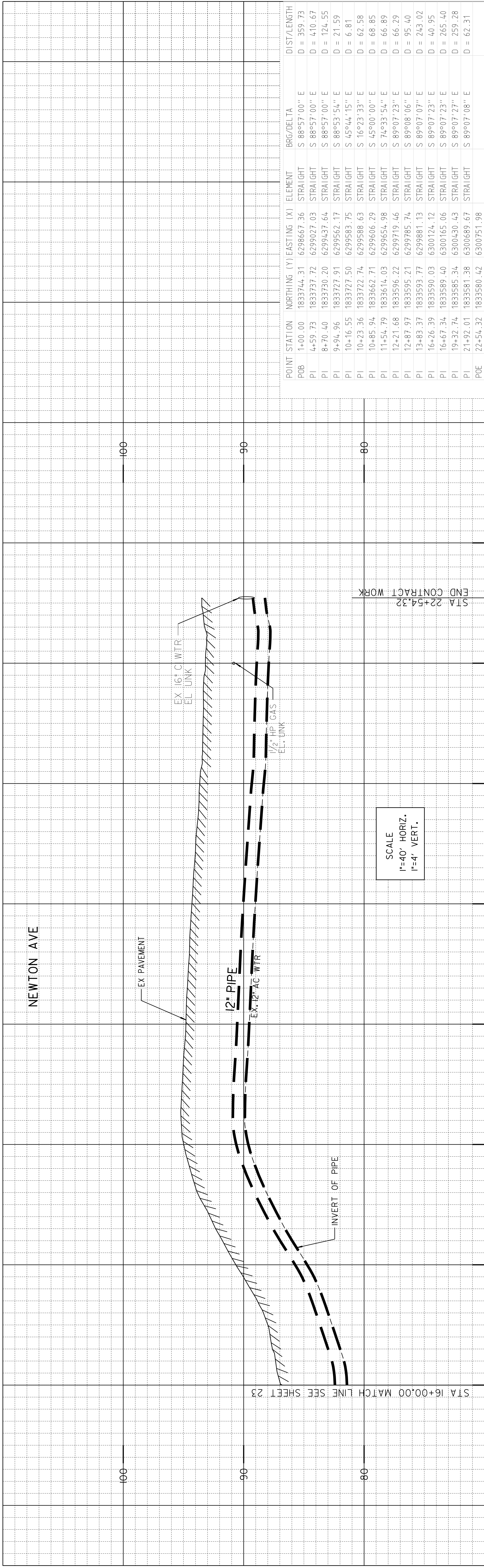
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 23 OF 53 SHEETS

FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

FOR CITY ENGINEER: JING DEBELISO
 PROJECT ENGINEER: JING DEBELISO
 DATE: 190-1737

DESCRIPTION: ORIGINAL
 JOB/REV: 190-1737
 CCS&E COORDINATE: 1830-6297
 CCS&E COORDINATE: 41338-23-D

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BVC/Delta	DIST/LENGTH
POB 1+00.00	1833744.31	6298667.36	STRAIGHT	S 88°57'00" E	D = 359.73
PI 4+59.73	1833737.72	6299027.03	STRAIGHT	S 88°57'00" E	D = 410.67
PI 8+70.40	1833730.20	6299437.64	STRAIGHT	S 88°57'00" E	D = 124.55
PI 9+94.96	1833727.91	6299562.17	STRAIGHT	S 88°53'54" E	D = 21.59
PI 10+16.55	1833727.50	6299583.75	STRAIGHT	S 45°44'15" E	D = 6.81
PI 10+23.36	1833722.74	6299588.63	STRAIGHT	S 16°23'33" E	D = 62.58
PI 10+85.94	1833662.71	6299606.29	STRAIGHT	S 45°00'00" E	D = 68.85
PI 11+54.79	1833614.03	6299654.98	STRAIGHT	S 74°93'54" E	D = 66.89
PI 12+21.68	1833596.22	6299719.46	STRAIGHT	S 89°07'23" E	D = 66.29
PI 12+87.97	1833595.21	6299785.74	STRAIGHT	S 89°08'06" E	D = 95.40
PI 13+83.37	1833593.77	6299881.13	STRAIGHT	S 89°07'07" E	D = 243.02
PI 16+26.39	1833590.03	6300124.12	STRAIGHT	S 89°07'23" E	D = 40.95
PI 16+67.34	1833589.40	6300165.06	STRAIGHT	S 89°07'23" E	D = 265.40
PI 19+32.74	1833585.34	6300430.43	STRAIGHT	S 89°07'27" E	D = 259.28
PI 21+92.01	1833581.38	6300689.67	STRAIGHT	S 89°07'08" E	D = 62.31
POE 22+54.32	1833580.42	6300751.98			

REFERENCE:
 WATER: I1884-9-D
 SEWER: DRAIN:
 GAS: I6095-I18680
 ELEC TRIC: TV:
 CABLE: TV:
 TELEPHONE: S
 IMPROVEMENTS: 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: I289J6
 HGL: 390

BY CONTRACTOR
 FURNISH AND INSTALL
 STA 22+54.32
 1- 16" X 12" TEE (M.J.F, M.J)
 1- 16" B.V. (F, M.J) LT
 1- 12" G.V. (F, M.J) BK

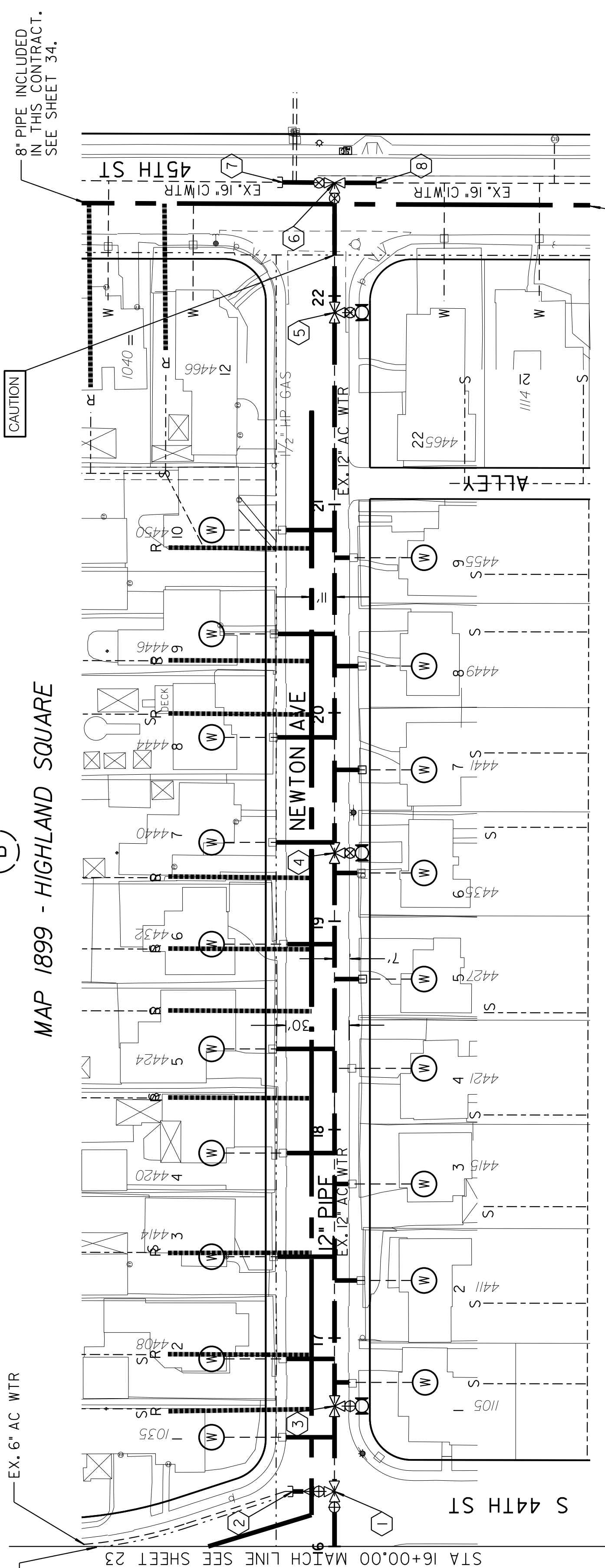
BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 22+54.32
 CUT & PLUG:
 EX 16" CI WTR, 20' +/- LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 22+54.32
 CUT & PLUG:
 EX 16" CI WTR, 20' +/- RT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

8" PIPE INCLUDED
 IN THIS CONTRACT.
 SEE SHEET 34.

8" PIPE INCLUDED
 IN THIS CONTRACT.
 SEE SHEET 34.

MAP 1899 - HIGHLAND SQUARE



BY CONTRACTOR
 FURNISH AND INSTALL
 STA 16+26.39
 1- 12" X 6" TEE (M.J.F, M.J)
 1- 12" GATE VALVE (F, M.J) BK
 1- 6" GATE VALVE (F, M.J) LT
 1- 12" X 6" REDUCER, LT

BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 16+26.39
 CUT & PLUG:
 EX 10" AC WTR, 20' +/- LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED

BY CONTRACTOR
 FURNISH AND INSTALL
 STA 16+67.34
 1- 8" X 6" TEE (M.J, M.J, F)
 1- 6" FH ASSY AND MARKER

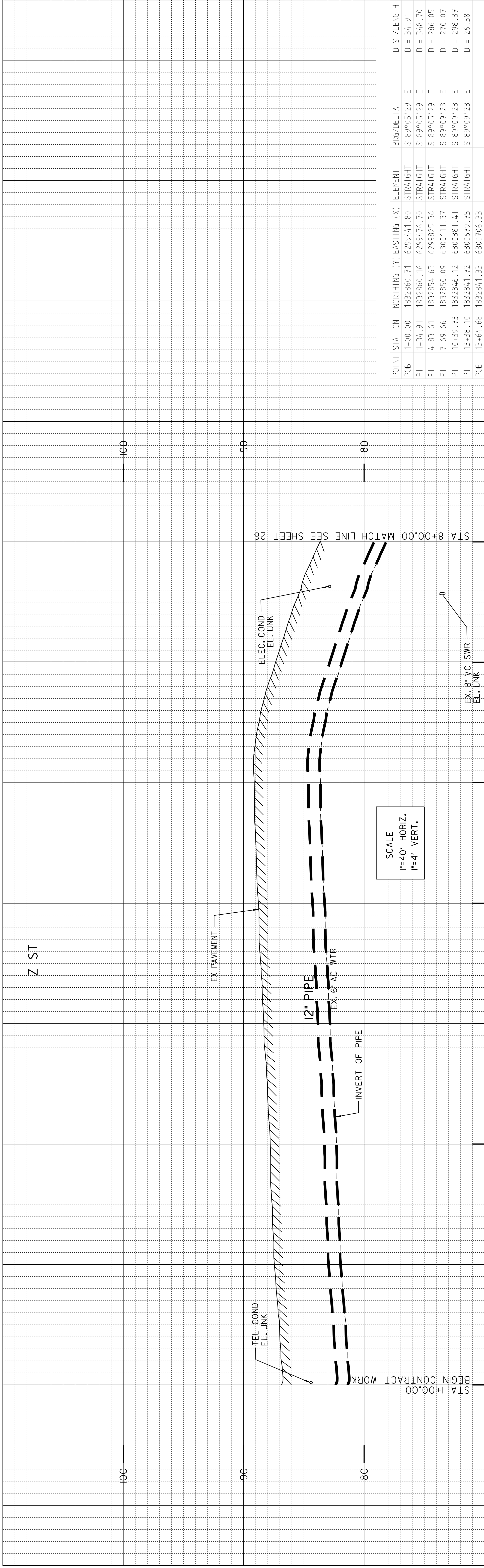
BY CONTRACTOR
 FURNISH AND INSTALL
 STA 21+92.02
 1- 8" X 6" TEE (M.J, M.J, F)
 1- 6" FH ASSY AND MARKER

AC WATER & SEWER GROUP 1052
 NEWTON AVE
 S 44TH STREET TO S 45TH STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 24 OF 53 SHEETS

FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

DESCRIPTION: ORIGINAL
 BY: APPROVED
 DATE: FILED
 PROJECT ENGINEER: JING DEBELISO
 PROJECT NUMBER: 190-1737
 CCS87 COORDINATE: 1830-6297
 CCS88 COORDINATE: 41338-24-D



POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DI/STLENGTH
POB	1+00.00	1832860.71	6299441.80	STRAIGHT	S 89°05'29\"	E D = 34.91
PI	1+34.91	1832860.16	6299476.70	STRAIGHT	S 89°05'29\"	E D = 348.70
PI	4+83.61	1832854.63	6299825.36	STRAIGHT	S 89°05'29\"	E D = 286.05
PI	7+69.66	1832850.09	6300111.37	STRAIGHT	S 89°09'23\"	E D = 270.07
PI	10+39.73	1832846.12	6300381.41	STRAIGHT	S 89°09'23\"	E D = 298.37
PI	13+38.10	1832841.72	6300679.75	STRAIGHT	S 89°09'23\"	E D = 26.58
POE	13+64.68	1832841.33	6300706.33			

REFERENCE:
 WATER: 09990-L, 20287-3-D
 SEWER: 32260-12-D, 32260-15-D, 09990-L
 STORM DRAIN:
 GAS: 16087-18670
 ELECTRIC:
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: 128946
 HGL: 390

- ① BY CITY FORCES
 FURNISH & INSTALL
 AHD OF CONTRACTOR
 STA 1+00.00
 CUT & PLUG:
 EX. 6\" AC WTR
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED
- ② BY CONTRACTOR
 FURNISH AND INSTALL
 STA 7+69.66
 3 - 12\" G.V (F, MJ) BK, RT, AHD
 1 - II DEGREE BEND LT
 2 - 12\" X 6\" REDUCER LT, RT
 CUT AND PLUG +/- 40' LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED
- ③ BY CONTRACTOR
 FURNISH AND INSTALL
 STA 4+83.61
 1 - 8\" X 6\" TEE (MJ, MJ, F)
 1 - 6\" FH ASSY AND MARKER
- ④ BY CONTRACTOR
 FURNISH AND INSTALL
 STA 7+69.66
 1 - 12\" CROSS (F)
 3 - 12\" G.V (F, MJ) BK, RT, AHD
 1 - II DEGREE BEND LT
 2 - 12\" X 6\" REDUCER LT, RT
 CUT AND PLUG +/- 40' LT
 RECONNECT AFTER NEW MAIN
 HAS BEEN ACCEPTED



AC WATER & SEWER GROUP 1052

Z STREET

S 43RD STREET TO S 44TH STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 25 OF 53 SHEETS

FOR CITY ENGINEER
JANICE JARO
 PRINT DATE: _____

DATE: C70770

BY: _____ DATE: _____
 APPROVED: _____

DESCRIPTION: ORIGINAL

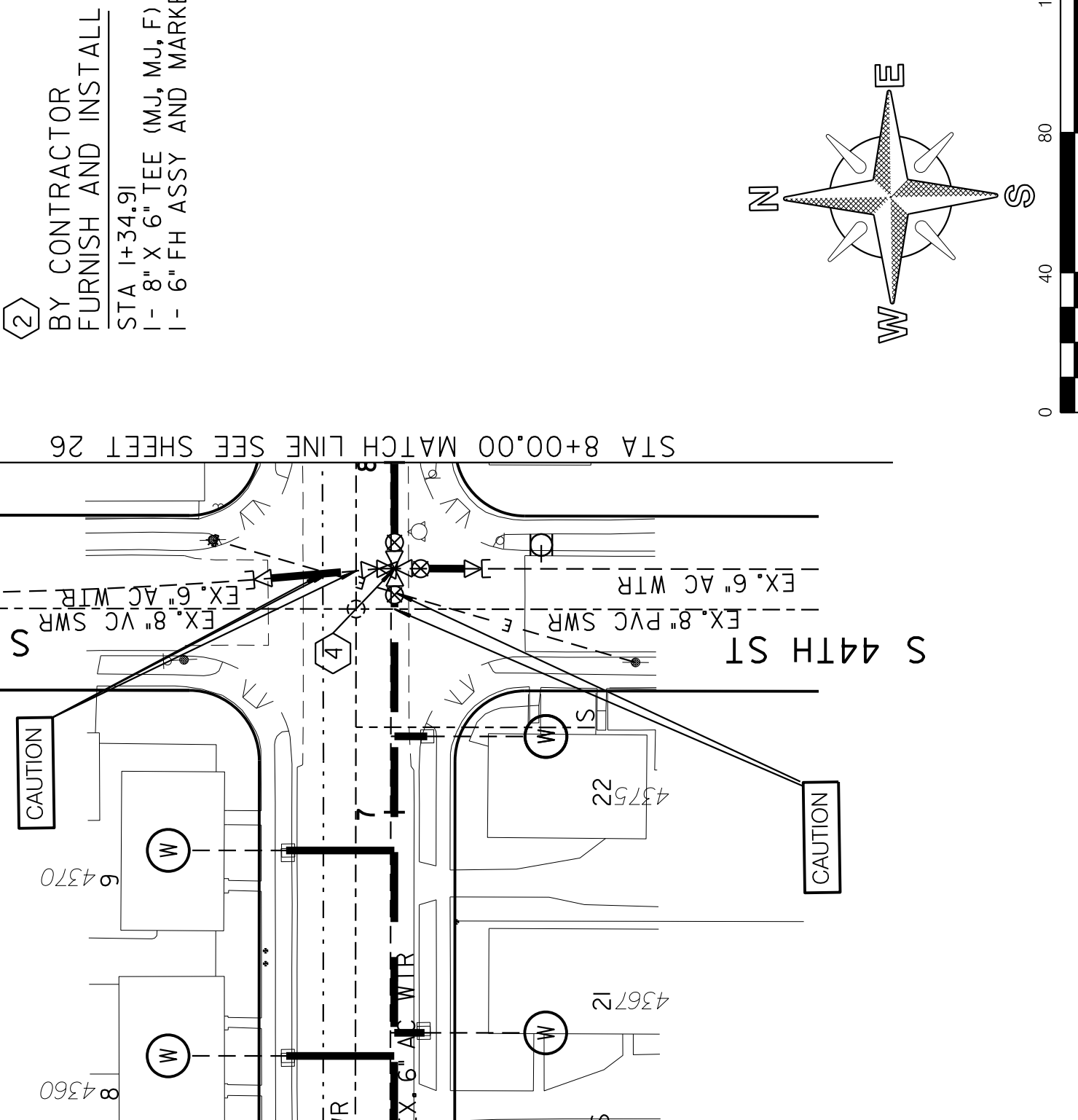
FOR PROJECT MANAGER
JOSHUA ADELMAN
 PROJECT NO: _____

FOR PROJECT ENGINEER
JING DEBELISO
 PROJECT NO: 190-1737

WATER WBS: B-18092
 SEWER WBS: B-18096

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____

41338-25-D



MAP 2949 - HIGHLAND HOMES
 MAP 15159 - BOSTON VILLAGE

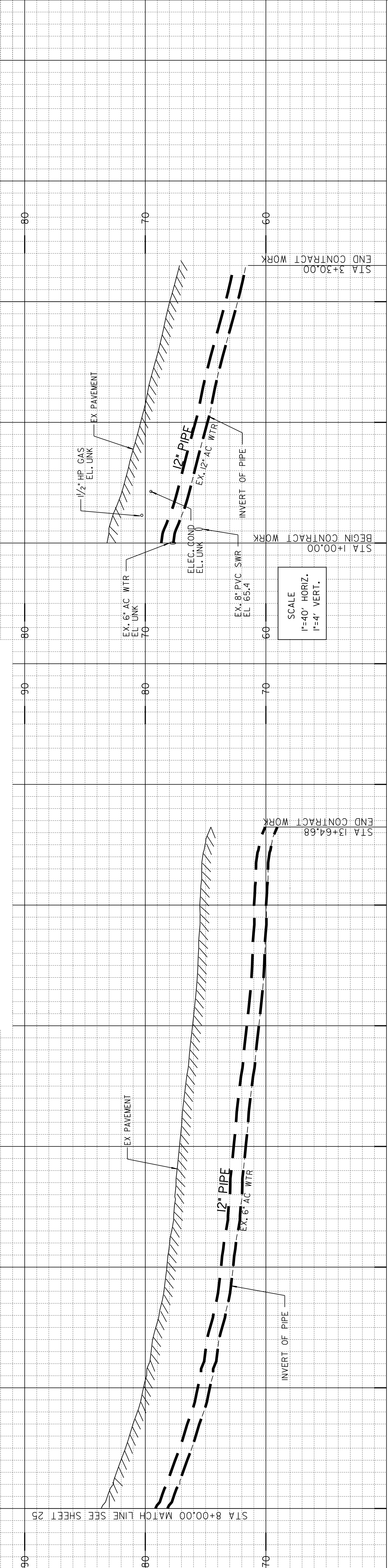
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MAP 2208 - OCEAN VISTA GARDENS
 ROS 14298

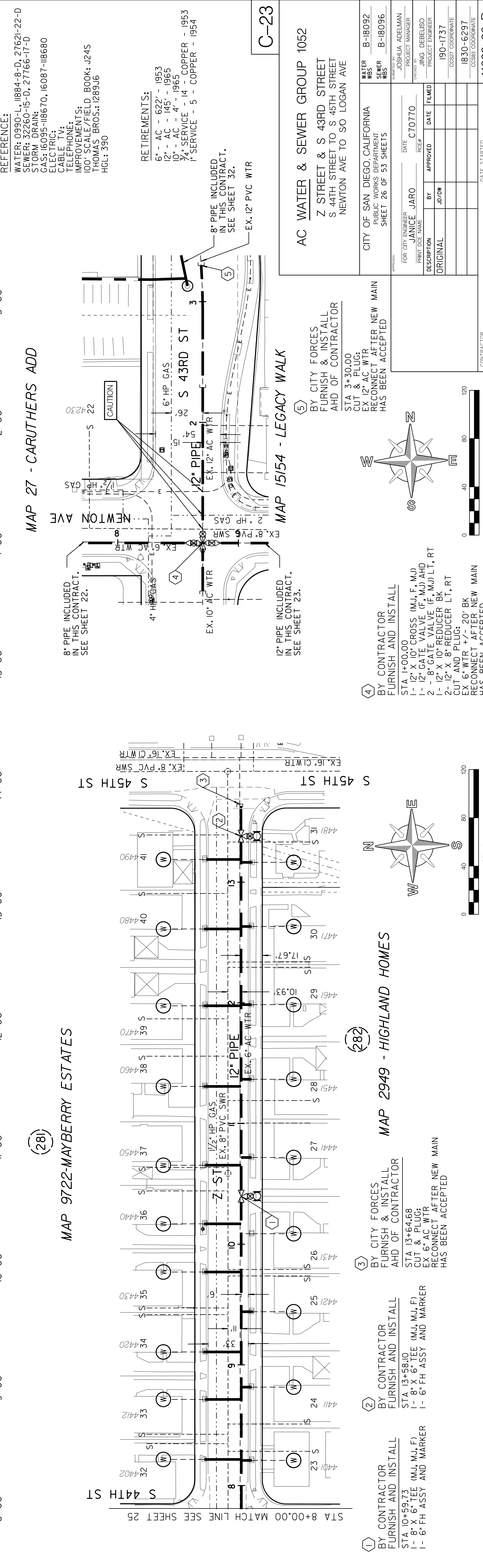
(27)

60% DESIGN

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1832860.71	6299441.80	S 89°05'29" E	D = 34.91
PI	1+34.91	1832860.16	6299476.70	S 89°05'29" E	D = 348.70
PI	4+83.61	1832854.63	6299825.36	S 89°05'29" E	D = 286.05
PI	7+69.66	1832850.09	6300111.37	S 89°09'23" E	D = 270.07
PI	10+39.73	1832846.12	6300381.41	S 89°09'23" E	D = 298.37
PI	13+38.10	1832841.72	6300679.75	S 89°09'23" E	D = 26.58
POE	13+64.68	1832841.33	6300706.33		



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1833730.20	6299437.64	STRAIGHT	N 0°58'44" E
PC	2+88.74	1833918.91	6299440.86	R = -6611.00	DELTA = 3°34'35" LT
PT	3+30.00	1833960.16	6299440.28		L = 41.26



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1833730.20	6299437.64	STRAIGHT	N 0°58'44" E
PC	2+88.74	1833918.91	6299440.86	R = -6611.00	DELTA = 3°34'35" LT
PT	3+30.00	1833960.16	6299440.28		L = 41.26

REFERENCE:

WATER: 0990-L, I1884-8-D, 27621-22-D
 SEWER: 32260-15-D, 27166-17-D
 STORM DRAIN: GAS: I6095-I18670, I6087-I18680
 ELECTRIC: CABLE TV: IMPROVEMENTS: 100' SCALE/FIELD BOOK: J24S
 THOMAS BROS.: I289J6
 HGL: 390

RETIREMENTS:

6" - AC - 622' - 1953
 12" - AC - 145' - 1965
 10" - AC - 4' - 1965
 3/4" SERVICE - 14 - COPPER - 1953
 1" SERVICE - 5 - COPPER - 1954

AC WATER & SEWER GROUP 1052

Z STREET & S 43RD STREET
 S 44TH STREET TO S 45TH STREET
 NEWTON AVE TO SO LOGAN AVE

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 26 OF 53 SHEETS

FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

FOR CITY ENGINEER: JARO
 PROJECT ENGINEER: JING DEBELISO
 DATE: FILMED

DESCRIPTION: ORIGINAL
 BY: APPROVED
 DATE: FILMED

DATE STARTED: 1830-6297
 DATE COMPLETED: 41338-26-D

ESTIMATED ARCHAEOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)	
BEGINNING STATION	ENDING STATION
STA. 1+00.00	STA. 8+00.00
APPROXIMATE LF	
700	
ESTIMATED PALEONTOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)	
BEGINNING STATION	ENDING STATION
STA. 1+00.00	STA. 8+00.00
APPROXIMATE LF	
700	

ACTUAL LIMITS SHALL BE DETERMINED BY THE PI/MONITOR(S) PRIOR TO CONSTRUCTION AND SHALL BE CONSISTENT WITH THE MITIGATION AND MONITORING PROGRAM (MMRP) FOR THE PROJECT.

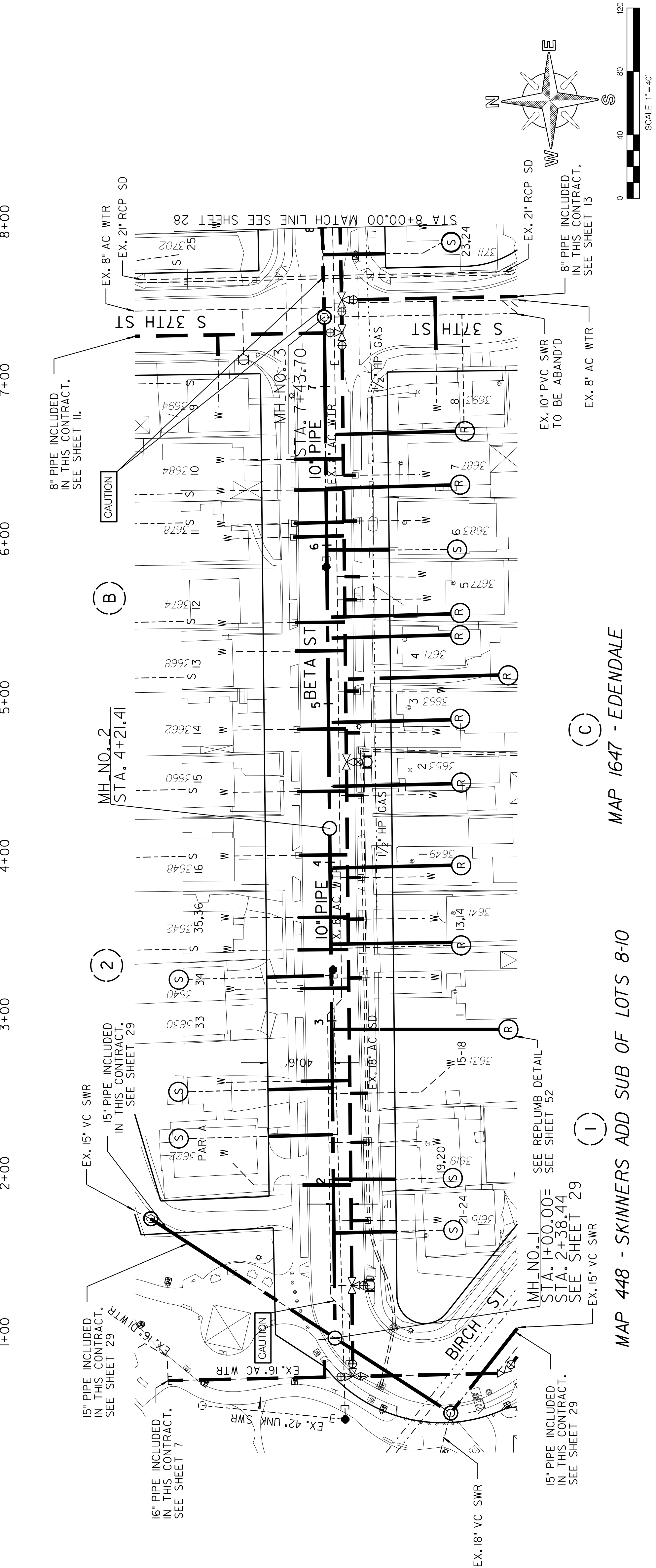
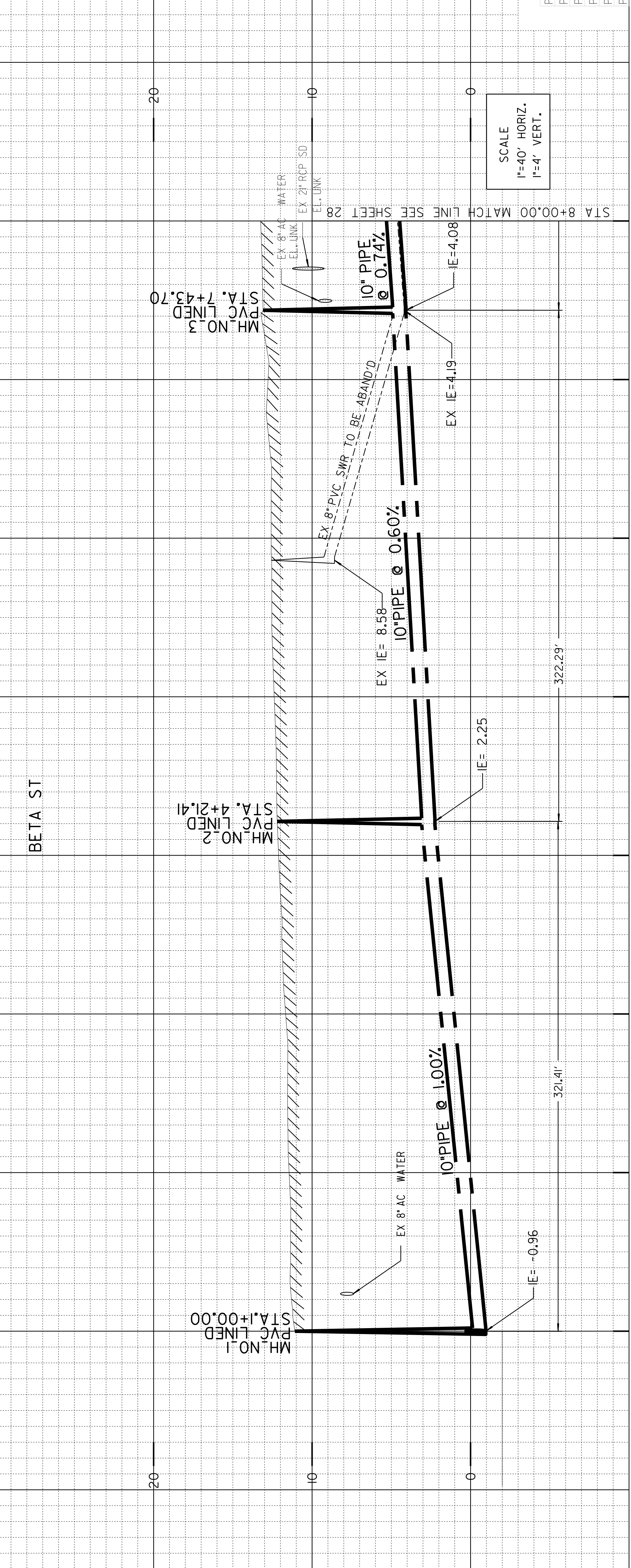
POINT	ELEMENT	NORTHING (Y)	EASTING (X)	BRG/DELTA	DIST/LENGTH
POB	STRAIGHT	1832238.21	6295023.76	S 89°20'17" E	D = 321.41
PI	STRAIGHT	1832234.50	6295345.14	S 89°20'18" E	D = 322.29
PI	STRAIGHT	1832230.78	6295667.41	N 89°56'32" E	D = 330.00
PI	STRAIGHT	1832231.11	6295997.42	S 89°47'48" E	D = 330.40
PDE	STRAIGHT	1832229.94	6296327.82		

REFERENCE:

WATER: 16057-D, 22703-9-D, 22703-II-D
 SEWER: 26285-6-D, 57924-2-D
 STORM DRAIN: 17235-09-D
 GAS: 16042-118665
 ELEC TRIC:
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: 1245
 THOMAS BROS.: 128906
 HGL:

RETIREMENTS:

8" - PVC - 295' - 1995
 8" - PVC - 158' - 1995
 MH - 4X3 - 0 - 1900
 4" LATERAL - 4 - UNK - 1995



AC WATER & SEWER GROUP 1052
 BETA STREET
 BIRCH STREET TO S 37TH STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 27 OF 53 SHEETS

FOR CITY ENGINEER
 JANICE JARO
 PROJECT ENGINEER

DATE: C70770
 PROJECT #

BY: APPROVED DATE: FILMED

DESCRIPTION: ORIGINAL JOB# 190-1731
 CCS87 COORDINATE

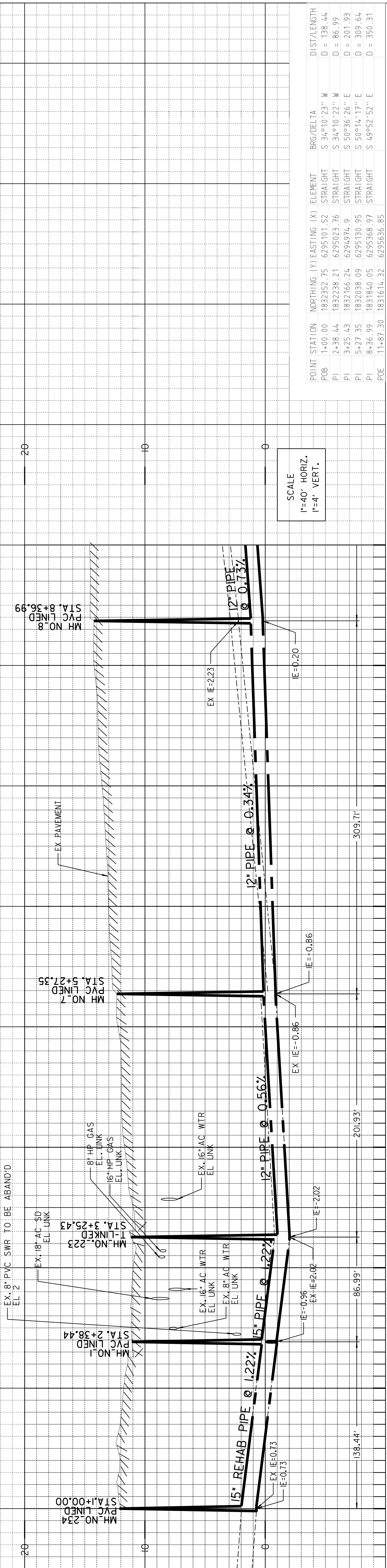
FOR PROJECT MANAGER
 JOSHUA ADELMAN
 PROJECT #

FOR CITY ENGINEER
 JING DEBELISO
 PROJECT ENGINEER

DATE: 190-1731
 CCS87 COORDINATE

DATE STARTED: 1830-6291
 DATE COMPLETED: 41338-27-D

BIRCH ST



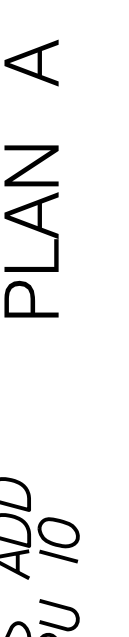
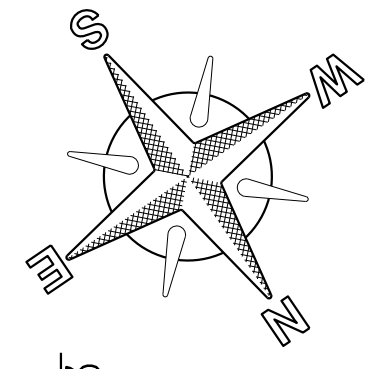
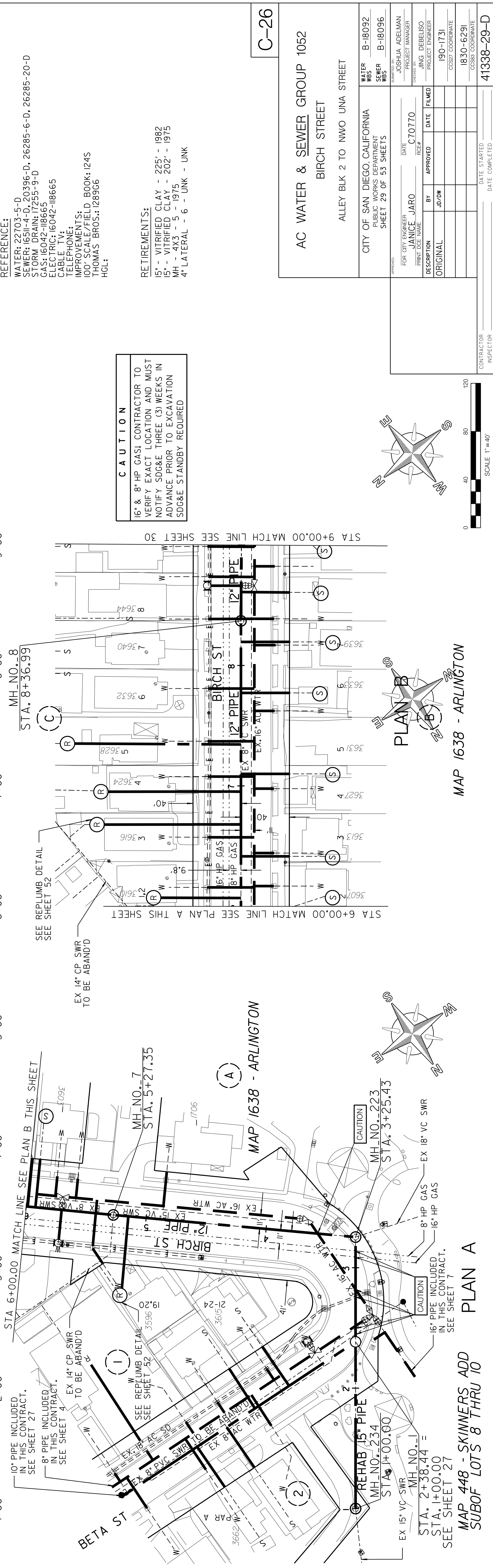
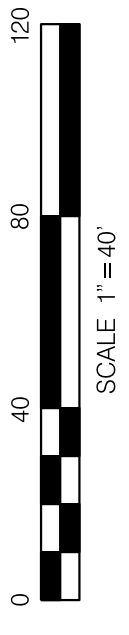
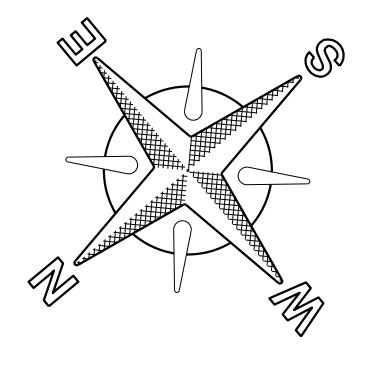
SCALE
1"=40' HORIZ.
1"=4' VERT.

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/Delta	DI/ST/LENGTH
POB	1+00.00	1832352.75	6295101.52	STRAIGHT	S 34°10'23" W	D = 138.44
PI	2+38.44	1832238.21	6295023.76	STRAIGHT	S 34°10'22" W	D = 86.99
PI	3-25.43	1832166.24	6294974.9	STRAIGHT	S 50°36'26" E	D = 201.93
PI	5-27.35	1832038.09	6295130.95	STRAIGHT	S 50°14'17" E	D = 309.64
PI	8+36.99	1831840.05	6295368.97	STRAIGHT	S 49°52'52" E	D = 350.31
POE	11+87.30	1831614.32	6295636.85			

REFERENCE:
 WATER: 22703-5-D
 SEWER: 16511-4-D, 20396-D, 26285-6-D, 26285-20-D
 STORM DRAIN: 17235-9-D
 GAS: 16042-18665
 ELECTRIC: 16042-18665
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: 1245
 THOMAS BROS.: 128966
 HGL:

RETIREMENTS:
 15" - VITRIFIED CLAY - 225' - 1982
 15" - VITRIFIED CLAY - 202' - 1975
 MH - 4X3 - 5 - 1975
 4" LATERAL - 6 - UNK - UNK

CAUTION
 16" & 8" HP GAS CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SD&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION SD&E STANDBY REQUIRED



C-26

AC WATER & SEWER GROUP 1052
 BIRCH STREET
 ALLEY BLK 2 TO NWO UNA STREET

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 29 OF 53 SHEETS

FOR CITY ENGINEER: JUANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

FOR CITY ENGINEER: JUANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770

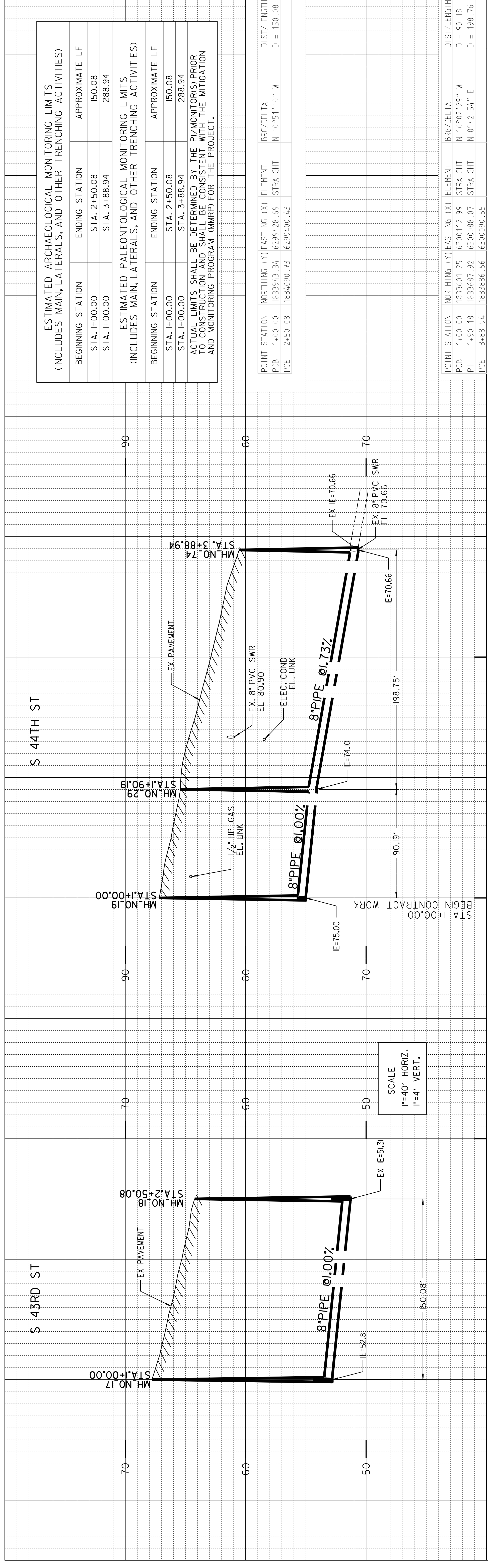
DESCRIPTION: ORIGINAL
 BY: APPROVED
 DATE: FILMED
 JOB/REV: 190-17.31
 PROJECT ENGINEER: JING DEBELISO
 CS887 COORDINATE: 1830-6291
 DATE STARTED: 41338-29-D
 DATE COMPLETED:

60% DESIGN

MAP 1638 - ARLINGTON

PLAN A

MAP 448 - SKINNERS ADD
 SUBOF LOTS 8 THRU 10

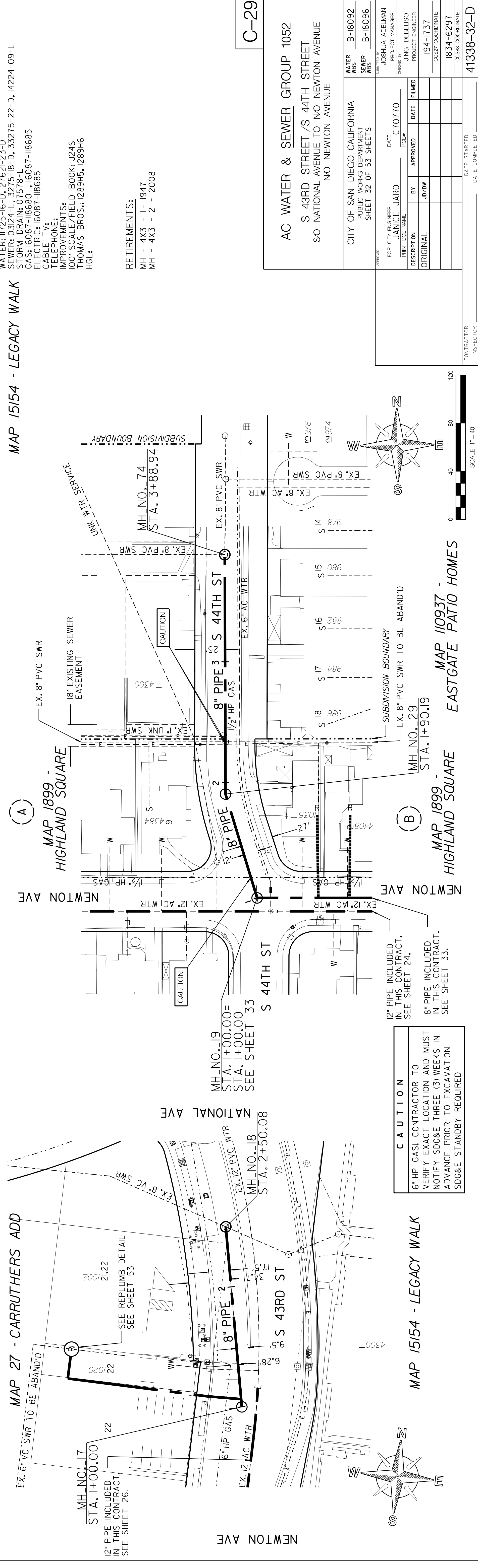


ESTIMATED ARCHAEOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)			
BEGINNING STATION	ENDING STATION	APPROXIMATE LF	
STA. 1+00.00	STA. 2+50.08	150.08	
STA. 1+00.00	STA. 3+88.94	288.94	
ESTIMATED PALEONTOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)			
BEGINNING STATION	ENDING STATION	APPROXIMATE LF	
STA. 1+00.00	STA. 2+50.08	150.08	
STA. 1+00.00	STA. 3+88.94	288.94	

ACTUAL LIMITS SHALL BE DETERMINED BY THE PI/MONITOR(S) PRIOR TO CONSTRUCTION AND SHALL BE CONSISTENT WITH THE MITIGATION AND MONITORING PROGRAM (MMRP) FOR THE PROJECT.

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1833943.34	6299428.69	STRAIGHT	N 10°51'10" W	D = 150.08
POE	2+50.08	1834090.73	6299400.43			
POINT <th>STATION</th> <th>NORTHING (Y)</th> <th>EASTING (X)</th> <th>ELEMENT</th> <th>BRG/DELTA</th> <th>DIST/LENGTH</th>	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1833601.25	6300112.99	STRAIGHT	N 16°02'29" W	D = 90.18
PI	1+90.18	1833687.92	6300088.07	STRAIGHT	N 0°42'54" E	D = 198.76
POE	3+88.94	1833886.66	6300090.55			

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



MAP 15154 - LEGACY WALK

MAP 27 - CARRUTHERS ADD

MAP 1899 - HIGHLAND SQUARE

MAP 1899 - HIGHLAND SQUARE

MAP 10937 - EASTGATE PATIO HOMES

MAP 15154 - LEGACY WALK

C-29

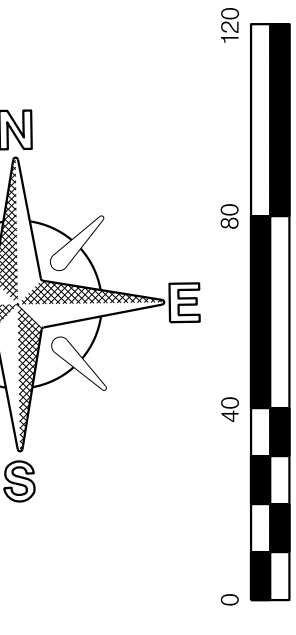
REFERENCE:
WATER: I1725-16-D, 27621-23-D
SEWER: 03124-L, 32715-18-D, 33275-22-D, 14224-09-L
STORM DRAIN: 07578-L
GAS: 16087-18680, 16087-18685
ELECTRIC: 16087-18685
CABLE TV:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: J245
THOMAS BROS.: 1289H5, 1289H6
HGL:

RETIREMENTS:
MH - 4X3 - 1 - 1947
MH - 4X3 - 2 - 2008

CAUTION
6" HP GAS CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION SDG&E STANDBY REQUIRED

12" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 24.
8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 33.

12" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 24.
8" PIPE INCLUDED IN THIS CONTRACT. SEE SHEET 33.



APPROVED		DATE		DATE	
FOR CITY ENGINEER	JANICE JARO	DATE	C70770	DATE	
PROJECT MANAGER	JOSHUA ADELMAN	DATE		DATE	
FOR WATER		DATE		DATE	
FOR SEWER		DATE		DATE	

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 32 OF 53 SHEETS

AC WATER & SEWER GROUP 1052
S 43RD STREET / S 44TH STREET
SO NATIONAL AVENUE TO NO NEWTON AVENUE
NO NEWTON AVENUE

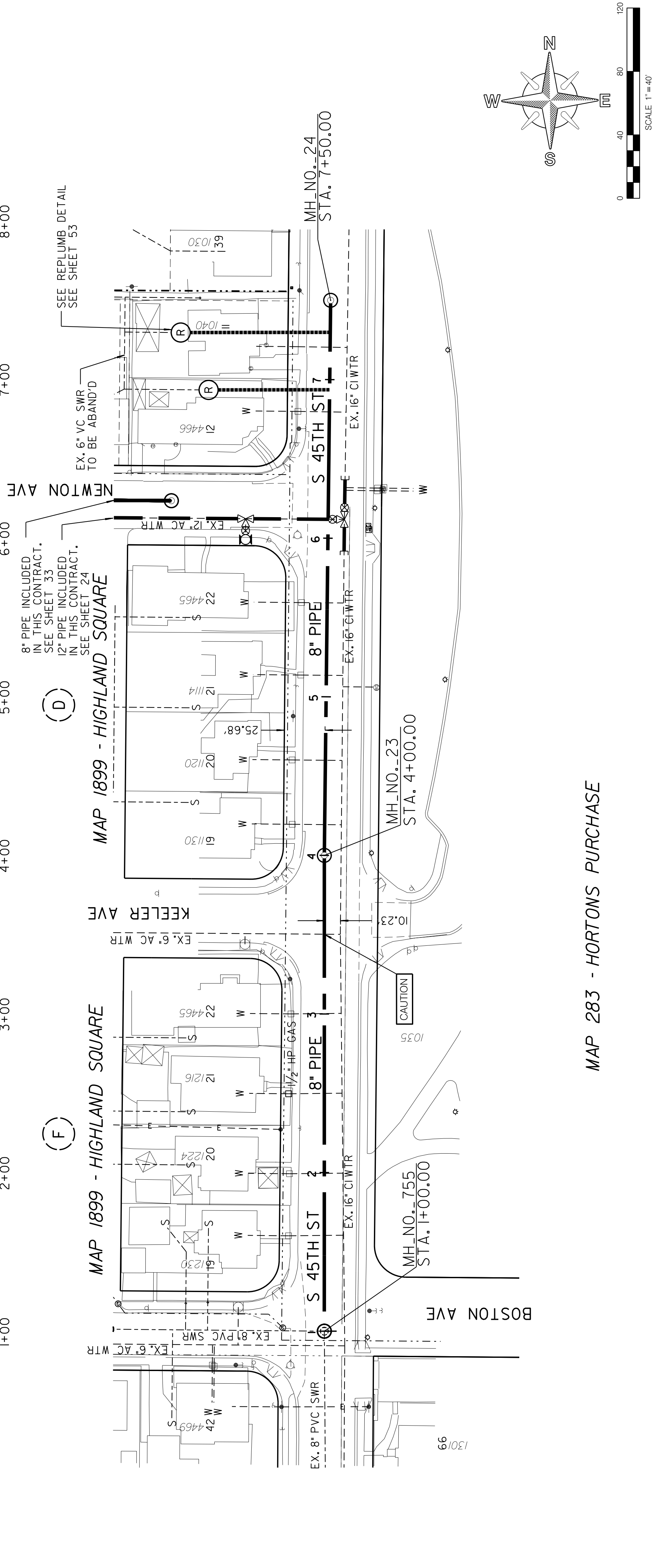
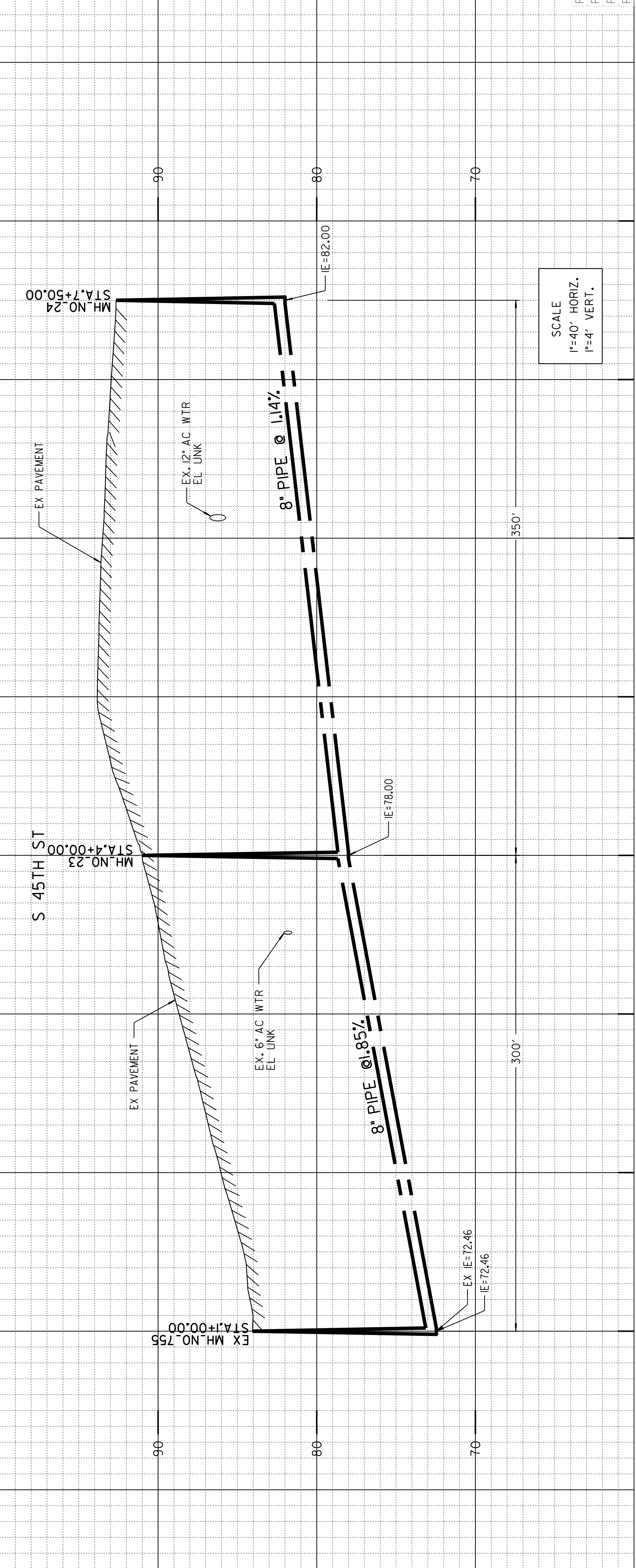
ESTIMATED ARCHAEOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)	
BEGINNING STATION	ENDING STATION
STA. 1+00.00	STA. 7+50.00
APPROXIMATE LF	
650.00	
ESTIMATED PALEONTOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCHING ACTIVITIES)	
BEGINNING STATION	ENDING STATION
STA. 1+00.00	STA. 7+50.00
APPROXIMATE LF	
650.00	
ACTUAL LIMITS SHALL BE DETERMINED BY THE P/MONITOR(S) PRIOR TO CONSTRUCTION AND SHALL BE CONSISTENT WITH THE MITIGATION AND MONITORING PROGRAM (MMRP) FOR THE PROJECT.	

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BEG/Delta	DI/STALENGTH
POB	1+00.00	1833068.71	6300735.13	STRAIGHT	N 0°27'58" E	D = 300.00
PI	4+00.00	1833368.70	6300737.57	STRAIGHT	N 1°07'10" E	D = 350.00
POE	7+50.00	1833718.63	6300744.41			

REFERENCE:
 WATER: 13956-9-D, 11884-9-D, 3796-3-W
 SEWER: 32260-13-D
 STORM DRAIN:
 GAS: 16095-118675, 16095-118680
 ELECTRIC:
 CABLE TV:
 IMPROVEMENTS:
 TELEPHONE:
 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: 1289J6
 HGL:

RETIREMENTS:
 MH - 4X3 - 1 - 2006

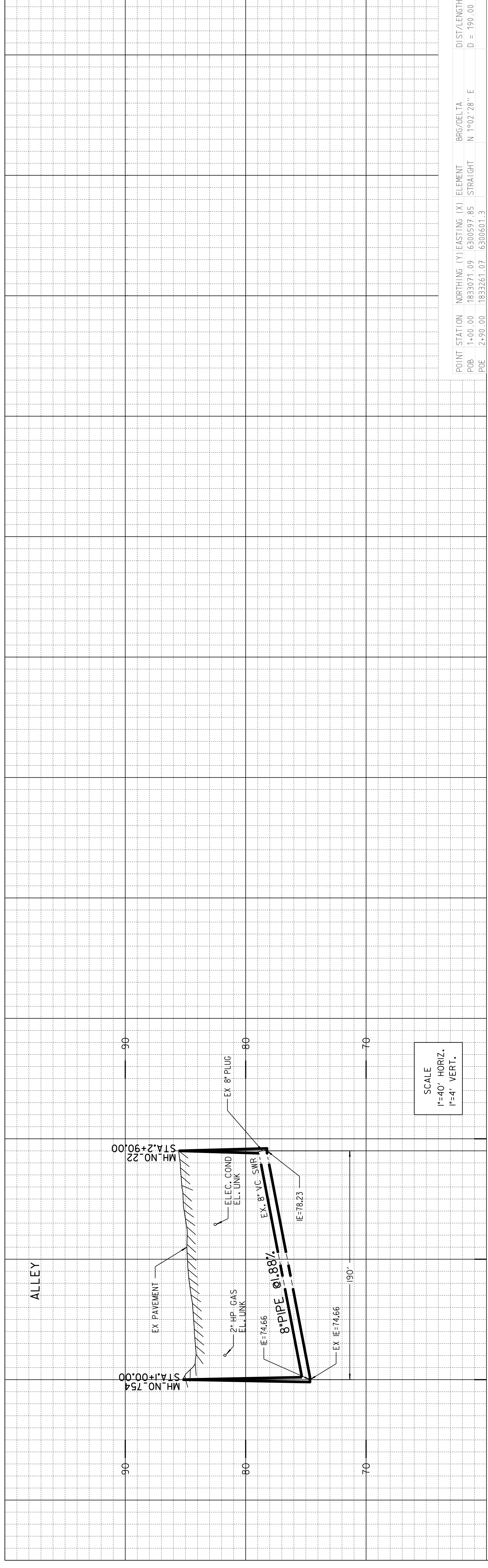
FOR CITY ENGINEER: JANICE JARO
 PROJECT MANAGER: JOSHUA ADELMAN
 DATE: C70770
 FOR CITY ENGINEER: JING DEBELISO
 PROJECT ENGINEER: JING DEBELISO
 DESCRIPTION: ORIGINAL
 BY: JAD/JW
 APPROVED: DATE: FILMED:
 ORIGINAL: SEE SHEETS
 COORDINATE: SEE SHEETS
 DATE STARTED: 41338-34-D
 DATE COMPLETED:



CONTRACTOR: _____
 INSPECTOR: _____
 DATE STARTED: _____
 DATE COMPLETED: _____

SCALE: 1"=40'

0 40 80 120



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

POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 1+00.00	1833071.09	6300597.85	STRAIGHT	N 1°02'28" E	D = 190.00
POE 2+90.00	1833261.07	6300601.3			

REFERENCE:
 WATER: 10144-6-D
 SEWER: 1629-1-D, 32260-13-D
 STORM DRAIN:
 GAS: 16095-118675
 ELECTRIC: 16095-118675
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: J245
 THOMAS BROS.: 1289J6
 HGL:

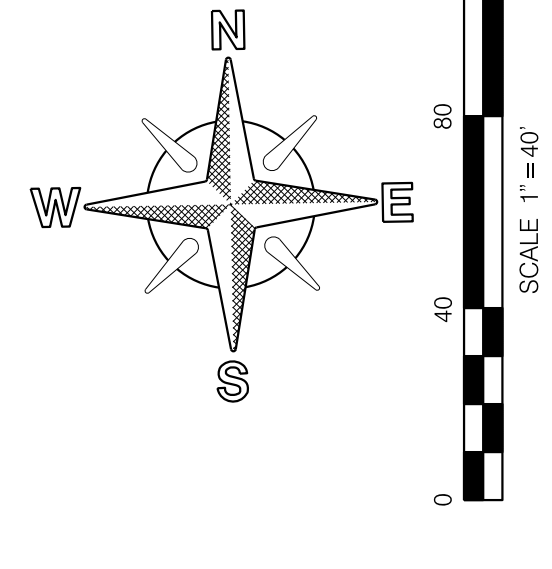
RETIREMENTS:
 8" - VITRIFIED CLAY - 190' - 1964
 MH - 4X3 - 1 - 2006
 4" LATERAL - 5 - UNK - UNK

C-32

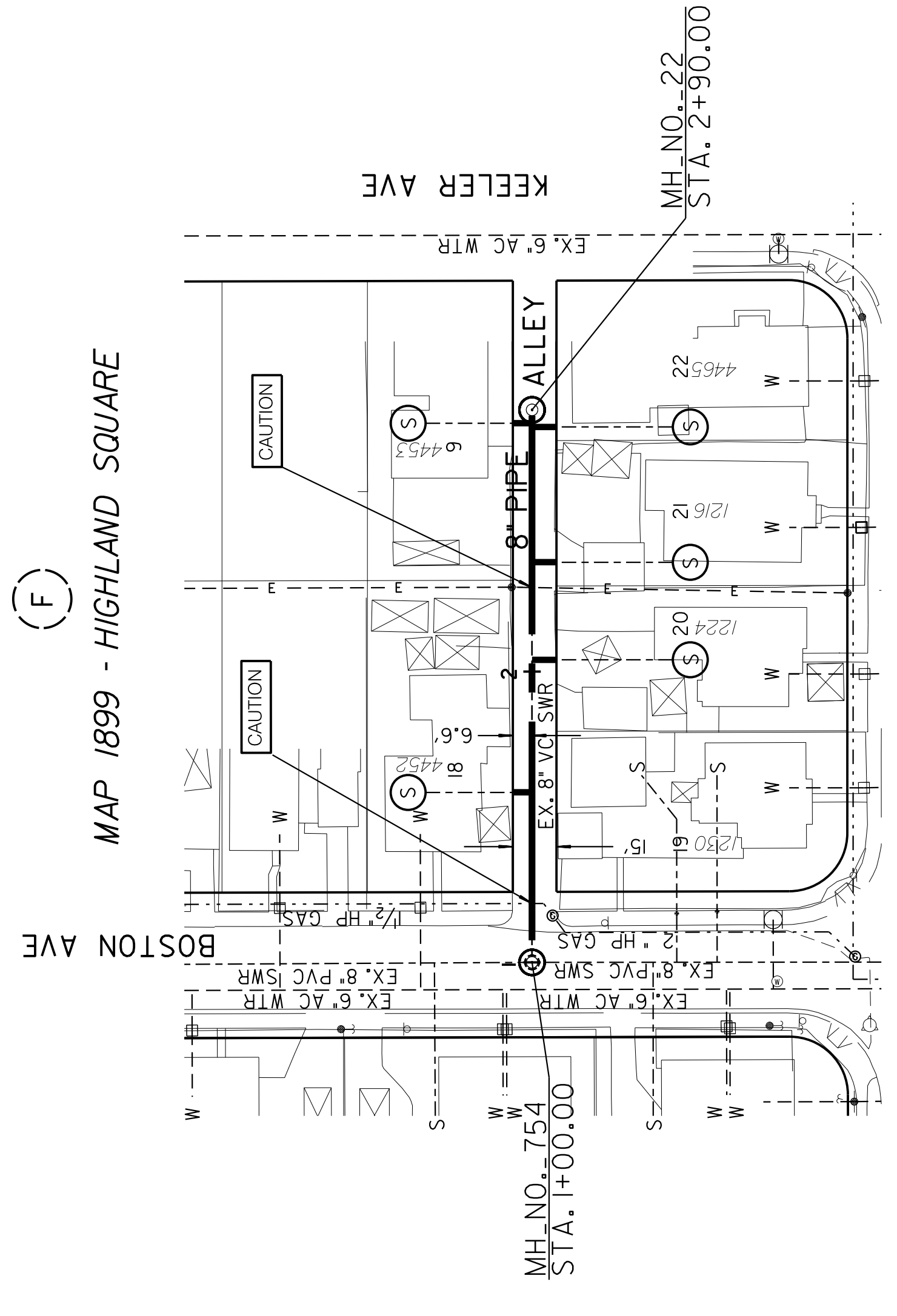
AC WATER & SEWER GROUP 1052
 ALLEY BLK F
 BOSTON AVENUE TO SO KEELER AVENUE

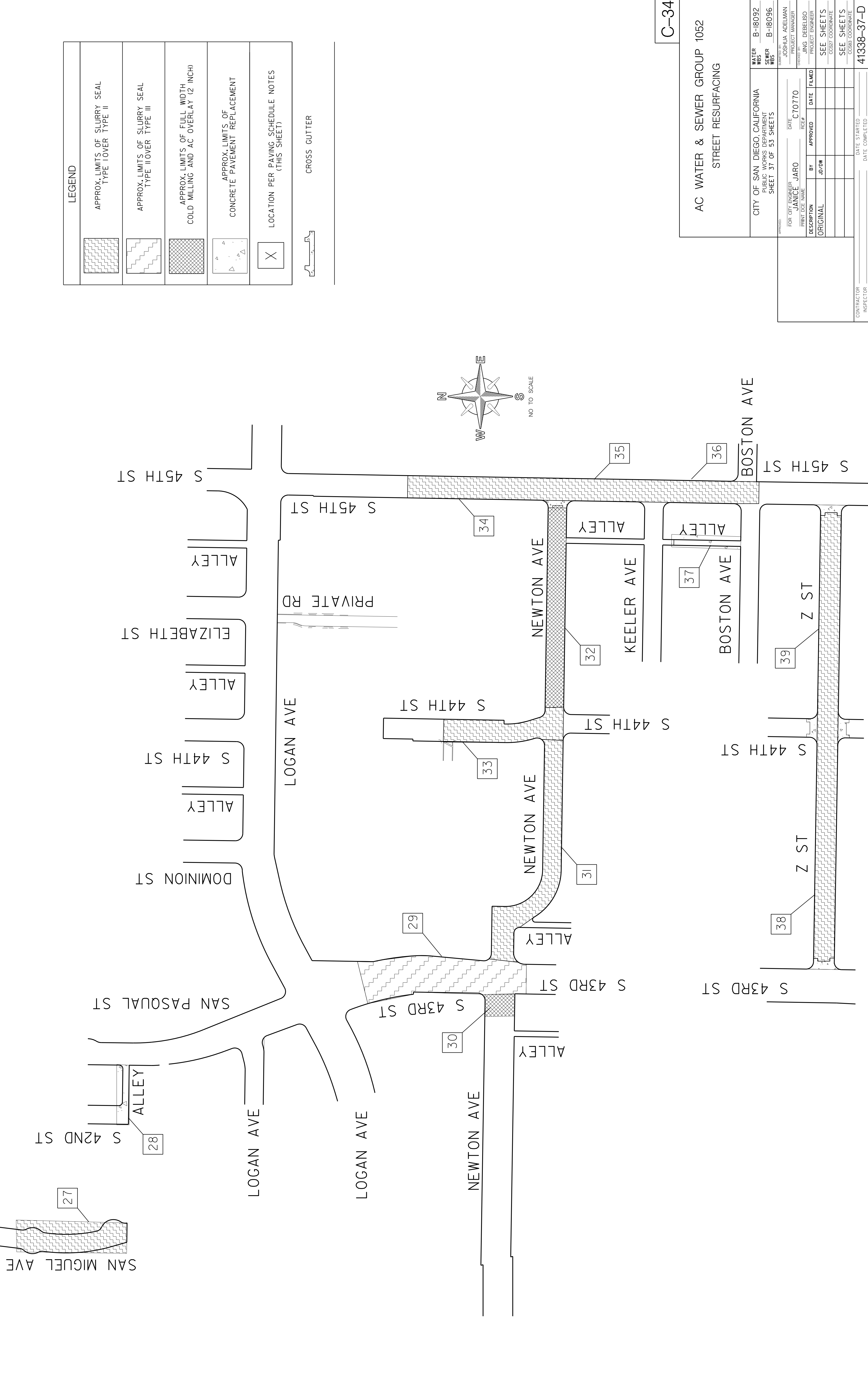
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 35 OF 53 SHEETS

FOR CITY ENGINEER	DATE	DATE	DATE
JANICE JARO	C70770		
PROJECT MANAGER	PROJECT MANAGER		
JING DEBELISO	JING DEBELISO		
PROJECT ENGINEER	PROJECT ENGINEER		
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JJ/PW		FILED
			190-1737
			CS887 COORDINATE
			1830-6297
			CS888 COORDINATE
			41338-35-D

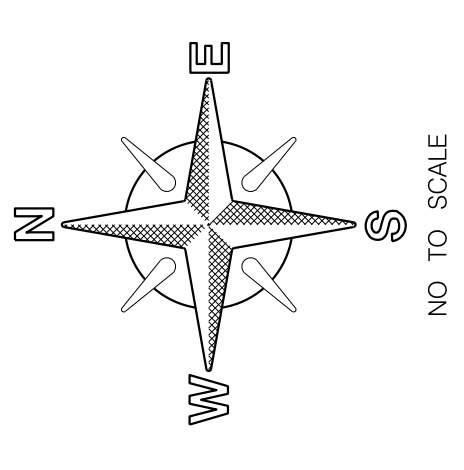


MAP 1899 - HIGHLAND SQUARE
 (F)





LEGEND	
	APPROX. LIMITS OF SLURRY SEAL TYPE I OVER TYPE II
	APPROX. LIMITS OF SLURRY SEAL TYPE II OVER TYPE III
	APPROX. LIMITS OF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)
	APPROX. LIMITS OF CONCRETE PAVEMENT REPLACEMENT
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)



AC WATER & SEWER GROUP 1052 STREET RESURFACING		C-34	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 37 OF 53 SHEETS		WATER WBS B-18092	SEWER WBS B-18096
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER		DATE: C70770	PROJECT ENGINEER: JING DEBELISO
FOR CITY ENGINEER: JANICE JARO PRINT DATE: _____		DATE: _____	DATE: _____
DESCRIPTION: ORIGINAL		APPROVED: _____	DATE: _____
BY: _____		DATE: _____	DATE: _____
JD/PW		DATE: _____	DATE: _____
SEE SHEETS		DATE: _____	DATE: _____
SEE SHEETS		DATE: _____	DATE: _____
SEE SHEETS		DATE: _____	DATE: _____
CONTRACTOR: _____		DATE STARTED: _____	DATE COMPLETED: _____
INSPECTOR: _____		DATE STARTED: _____	DATE COMPLETED: _____
		CCS87 COORDINATE	41338-37-D

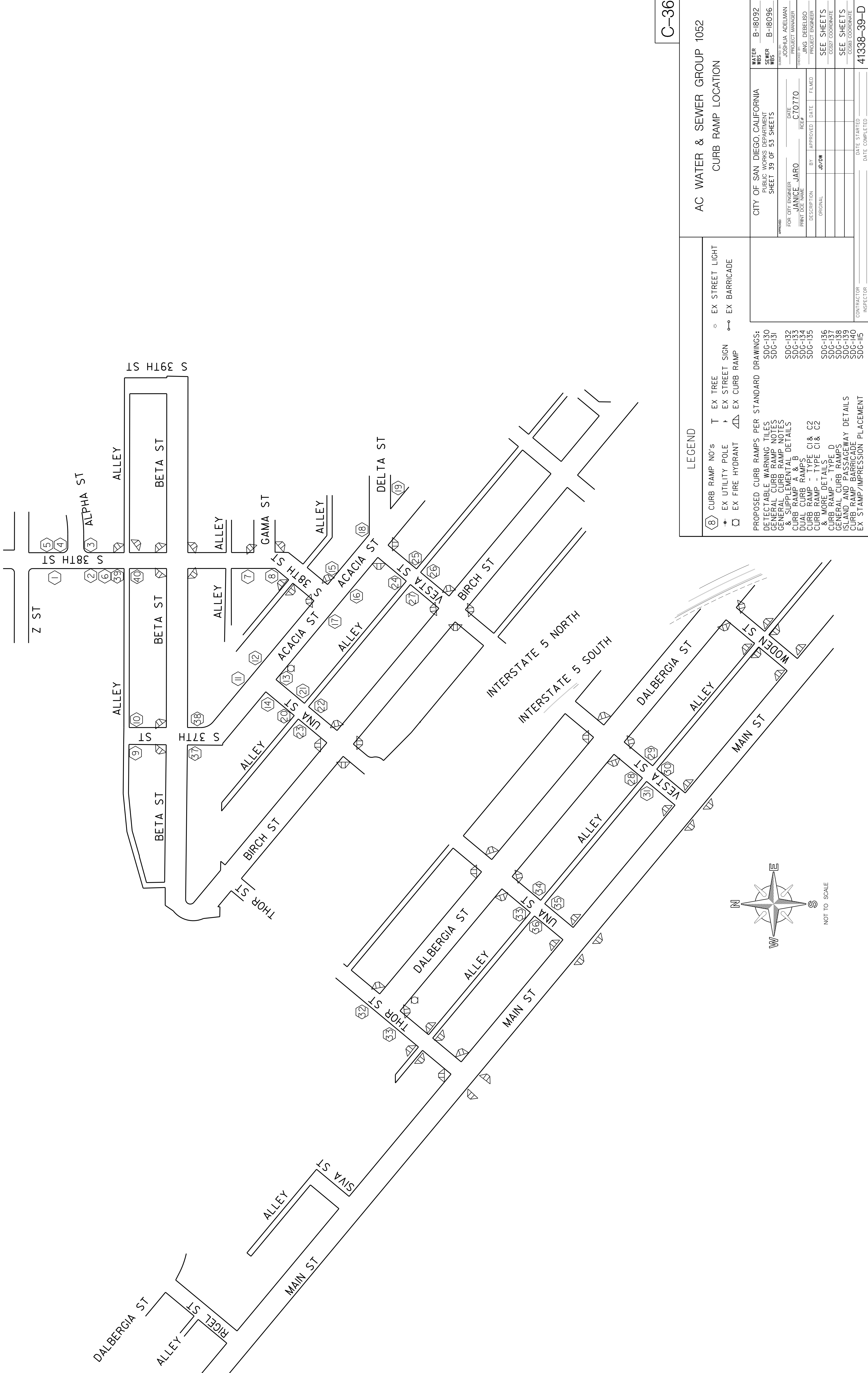
PAVING SCHEDULE NOTES										PAVING SCHEDULE NOTES									
NO.	LOCATION	STREET SEGMENT ID	OCI	RESTORATION REQUIRED	LENGTH (FT)	WIDTH (FT)	APPROX. AREA (SF)	NO.	LOCATION	STREET SEGMENT ID	OCI	RESTORATION REQUIRED	LENGTH (FT)	WIDTH (FT)	APPROX. AREA (SF)				
1	BETA ST BETWEEN STREET BIRCH ST AND S 37TH ST	SS-004157	74.044	SLURRY SEAL TYPE I OVER II	677.4	36	24,386	28	ALLEY BETWEEN 42ND ST AND SAN PASOUAL ST	SA-XXXXXX	XXXX	CONCRETE PAVEMENT REPLACEMENT	150	17	2,550				
2	BETA ST BETWEEN S 37TH ST AND S 38TH ST	SS-004153	91.33	SLURRY SEAL TYPE I OVER II	663	36	23,868	29	S 43RD ST BETWEEN NATIONAL AVE AND NEWTON AVE	SS-029515	82.512	SLURRY SEAL TYPE I OVER III	410	56	22,960				
3	BETA ST BETWEEN S 38TH ST NAME AND S 39TH ST	SS-004152	89.5	SLURRY SEAL TYPE I OVER II	663	36	23,868	30	NEWTON AVE BETWEEN BEGIN AND S 43RD ST	SS-019882	54.03	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	50	48	2,400				
4	BIRCH ST BETWEEN BETA ST AND UNA ST	SS-004257	79.742	SLURRY SEAL TYPE I OVER II	876	52	45,552	31	NEWTON AVE BETWEEN S 43RD ST AND S 44TH ST	SS-019883	94.8	SLURRY SEAL TYPE I OVER II	733	30	21,990				
5	BIRCH ST BETWEEN UNA ST AND VESTA ST	SS-004258	85.296	SLURRY SEAL TYPE I OVER II	664	52	34,528	32	NEWTON AVE BETWEEN S 44TH ST AND S 45TH ST	SS-019884	68.57	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	641	30	19,230				
6	S 37TH ST BETWEEN BETA ST AND ACACIA ST	SS-029421	56.64	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	162	40	6,480	33	S 44TH ST BETWEEN BEGIN AND NEWTON AVE	SS-029525	87.508	SLURRY SEAL TYPE I OVER II	290	30	8,700				
7	ACACIA ST BETWEEN S 37TH ST AND UNA ST	SS-001637	61.47	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	247	40	9,880	34	S 45TH ST BETWEEN LOGAN AVE AND NEWTON AVE	SS-029539	83.772	SLURRY SEAL TYPE I OVER III	115	36	4,140				
8	ACACIA ST BETWEEN UNA ST AND S 38TH ST	SS-001638	81.014	SLURRY SEAL TYPE I OVER II	399.5	52	20,774	35	S 45TH ST BETWEEN NEWTON AVE AND KEELER AVE	SS-029534	82.88	SLURRY SEAL TYPE I OVER III	262	38	9,956				
9	ACACIA ST BETWEEN S 38TH ST AND DELTA ST	SS-001639	93.67	SLURRY SEAL TYPE I OVER II	299	52	15,548	36	S 45TH ST BETWEEN KEELER AVE AND BOSTON AVE	SS-029535	81.442	SLURRY SEAL TYPE I OVER III	286.5	38	10,887				
10	S 38TH ST BETWEEN GAMMA ST AND ACACIA ST	SS-029452	74.332	SLURRY SEAL TYPE I OVER II	259	52	13,468	37	ALLEY BETWEEN KEELER AVE AND BOSTON AVE	SA-002780	89.25	CONCRETE PAVEMENT REPLACEMENT	180	15	2,700				
11	S 38TH ST BETWEEN BETA ST AND GAMMA ST	SS-029451	75.746	SLURRY SEAL TYPE I OVER II	361	40	14,440	38	Z ST BETWEEN S 43RD ST AND S 44TH ST	SS-029187	94.09	SLURRY SEAL TYPE I OVER II	684	36	24,624				
12	S 38TH ST BETWEEN ALPHA ST AND BETA ST	SS-029450	80	SLURRY SEAL TYPE I OVER II	336	40	13,440	39	Z ST BETWEEN S 44TH ST AND S 45TH ST	SS-029188	86.78	SLURRY SEAL TYPE I OVER II	628	36	22,608				
13	UNA ST BETWEEN BIRCH ST AND END	SS-027079	95	SLURRY SEAL TYPE I OVER II	180	40	7,200	40											
14	UNA ST ACACIA ST AND BIRCH ST	SS-027081	31.75	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	384	40	15,360	41											
15	VESTA ST BETWEEN ACACIA ST AND BIRCH ST	SS-027536	70.35	SLURRY SEAL TYPE I OVER II	393	40	15,720	42											
16	DALBERGIA ST BETWEEN THOR ST AND UNA ST	SS-008606	46.86	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	659	68	44,812	43											
17	DALBERGIA ST BETWEEN UNA ST AND VESTA ST	SS-008607	79.71	SLURRY SEAL TYPE I OVER II	664	68	45,152	44											
18	DALBERGIA ST BETWEEN VESTA ST AND WODEN ST	SS-008608	87.556	SLURRY SEAL TYPE I OVER II	657	68	44,676	TOTAL AREA OF SLURRY SEAL TYPE I OVER TYPE II								493,147 SF			
19	THOR ST BETWEEN DALBERGIA ST AND MAIN ST	SS-026406	60.5	SLURRY SEAL TYPE I OVER II	393	40	15,720	TOTAL AREA OF SLURRY SEAL TYPE II OVER TYPE III								47,943 SF			
20	UNA ST BETWEEN DALBERGIA ST AND MAIN ST	SS-027082	28.19	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	387	40	15,480	TOTAL AREA OF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)								121,142 SF			
21	UNA ST BETWEEN BEGIN AND DALBERGIA ST	SS-027080	88.5	SLURRY SEAL TYPE I OVER II	204	40	8,160	TOTAL AREA OF CONCRETE PAVEMENT								10,650 SF			
22	VESTA ST BETWEEN DALBERGIA ST AND MAIN ST	SS-027538	73.532	SLURRY SEAL TYPE I OVER II	391	40	15,640												
23	WODEN ST BETWEEN DALBERGIA ST AND MAIN ST	SS-029040	94	SLURRY SEAL TYPE I OVER II	392	40	15,680												
24	RIGEL ST BETWEEN ACACIA ST AND MAIN ST	SS-023202	69.656	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	120	40	4,800												
25	S 37TH ST BETWEEN BEGIN AND BETA ST	SS-031268	88	SLURRY SEAL TYPE I OVER II	191	35	6,685												
26	ALLEY BETWEEN BEGIN AND UNA ST	SA-000582	90.93	CONCRETE PAVEMENT REPLACEMENT	450	18	8,100												
27	SAN MIGUEL AVE BETWEEN STREET NAME AND LIMIT LINE	SS-024122	84.04	SLURRY SEAL TYPE I OVER II	320	36	11,520												

C-35

AC WATER & SEWER GROUP 1052
STREET RESURFACING

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 38 OF 53 SHEETS	WATER WBS SEWER WBS	B-18092 B-18096
FOR CITY ENGINEER JANICE JARO	DATE C 70770	PROJECT MANAGER JOSHUA ADELMAN
DESCRIPTION ORIGINAL	BY JING DEBELISO	PROJECT ENGINEER JING DEBELISO
	DATE FILMED	DATE SEE SHEETS
		DATE SEE SHEETS
		DATE 41338-38-D

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____



AC WATER & SEWER GROUP 1052
CURB RAMP LOCATION

C-36

LEGEND

- (8) CURB RAMP NO's
- ⬢ EX UTILITY POLE
- ⊕ EX FIRE HYDRANT
- T EX TREE
- ⬆ EX STREET SIGN
- ⊕ EX STREET LIGHT
- ⬢ EX BARRICADE
- ⬢ EX CURB RAMP

PROPOSED CURB RAMP PER STANDARD DRAWINGS:
 SDG-130
 SDG-131
 DETECTABLE WARNING TILES
 GENERAL CURB RAMP NOTES
 GENERAL CURB RAMP NOTES
 & SUPPLEMENTAL DETAILS
 CURB RAMP - TYPE A
 CURB RAMP - TYPE B
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE C1 & C2
 & MORE DETAILS
 CURB RAMP - TYPE D
 GENERAL CURB RAMP
 ISLAND AND PASSAGEWAY DETAILS
 CURB RAMP BARRICADE
 EX STAMP / IMPRESSION PLACEMENT

FOR CITY ENGINEER
 PRINT DATE: _____
 DATE: _____
 PROJECT: _____
 PROJECT MANAGER: _____
 PROJECT ENGINEER: _____
 CHECKED BY: _____
 DATE: _____
 FILED: _____

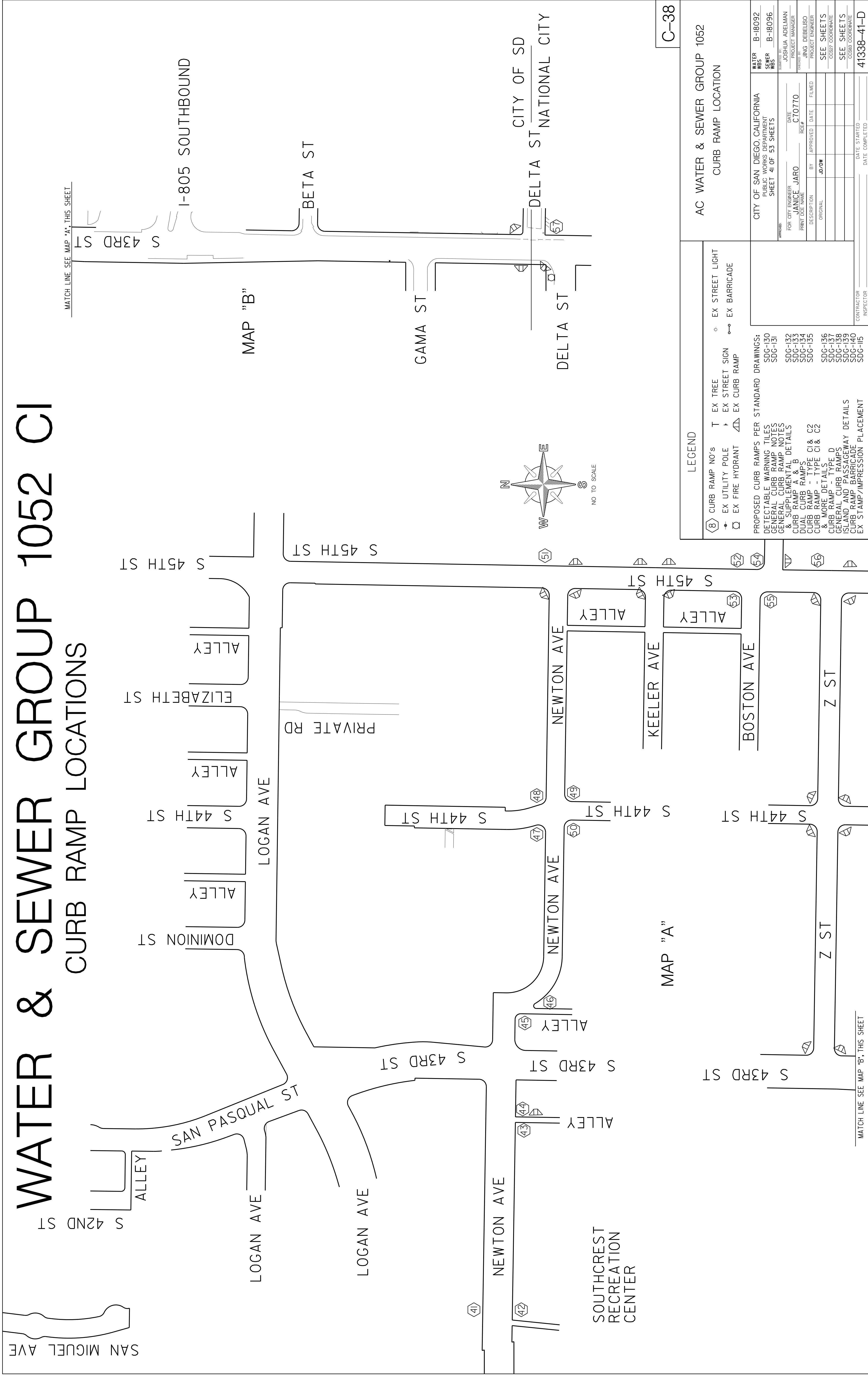
FOR CITY ENGINEER
 PRINT DATE: _____
 DATE: _____
 PROJECT: _____
 PROJECT MANAGER: _____
 PROJECT ENGINEER: _____
 CHECKED BY: _____
 DATE: _____
 FILED: _____

WATER WBS: B-18092
 SEWER WBS: B-18096
 CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 39 OF 53 SHEETS

DATE STARTED: _____
 DATE COMPLETED: _____
 CONTRACTOR: _____
 INSPECTOR: _____

WATER & SEWER GROUP 1052 CI

CURB RAMP LOCATIONS



LEGEND

8 CURB RAMP NO's T EX TREE ◊ EX STREET LIGHT
 + EX UTILITY POLE † EX STREET SIGN ◌ EX BARRICADE
Q EX FIRE HYDRANT ◌ EX CURB RAMP

PROPOSED CURB RAMP PER STANDARD DRAWINGS:
 SDG-130
 SDG-131
 SDG-132
 SDG-133
 SDG-134
 SDG-135
 SDG-136
 SDG-137
 SDG-138
 SDG-139
 SDG-140
 SDG-141
 SDG-142
 SDG-143
 SDG-144
 SDG-145
 SDG-146
 SDG-147
 SDG-148
 SDG-149
 SDG-150

DETECTABLE WARNING TILES
 GENERAL CURB RAMP NOTES
 GENERAL CURB RAMP NOTES
 SUPPLEMENTAL DETAILS
 CURB RAMP - TYPE D
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE D
 GENERAL CURB RAMP
 ISLAND AND PASSAGEWAY DETAILS
 CURB RAMP BARRICADE
 EX STAMP/IMPRESSION PLACEMENT

CITY OF SAN DIEGO CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 41 OF 53 SHEETS	WATER WBS B-18092 SEWER WBS B-18096
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER	
FOR CITY ENGINEER: JANICE JARO PRINT DATE: 07/20/20	
DATE: 07/20/20 REVISION: C-0770	
DESCRIPTION: ORIGINAL	BY: JING DEBELISO PROJECT ENGINEER
APPROVED DATE: FILED	
SEE SHEETS CCS27 COORDINATE	
SEE SHEETS CCS83 COORDINATE	
CONTRACTOR: _____ DATE STARTED: _____ INSPECTOR: _____ DATE COMPLETED: _____	

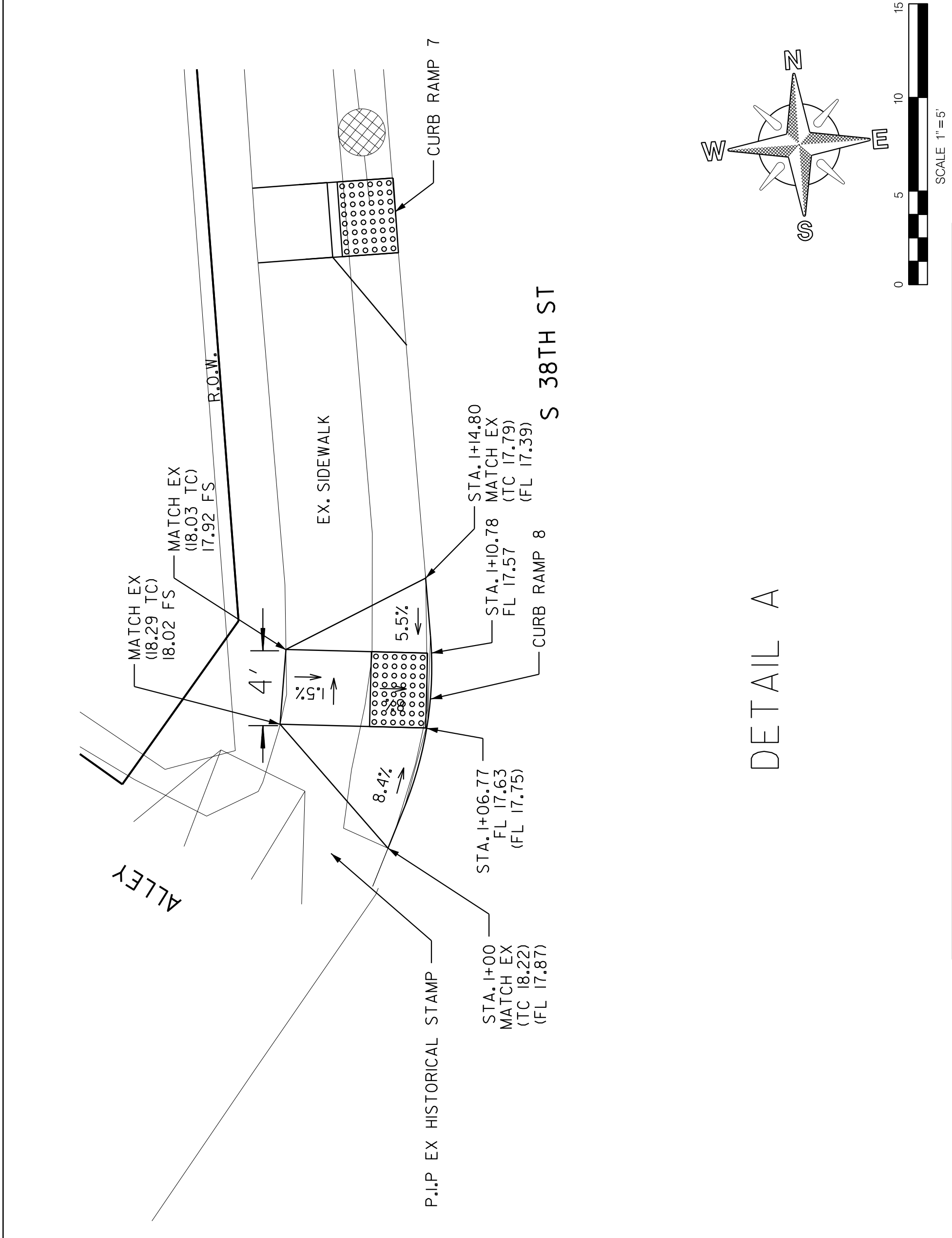
CURB RAMP LOCATION

CURB RAMP NOTES TABLE

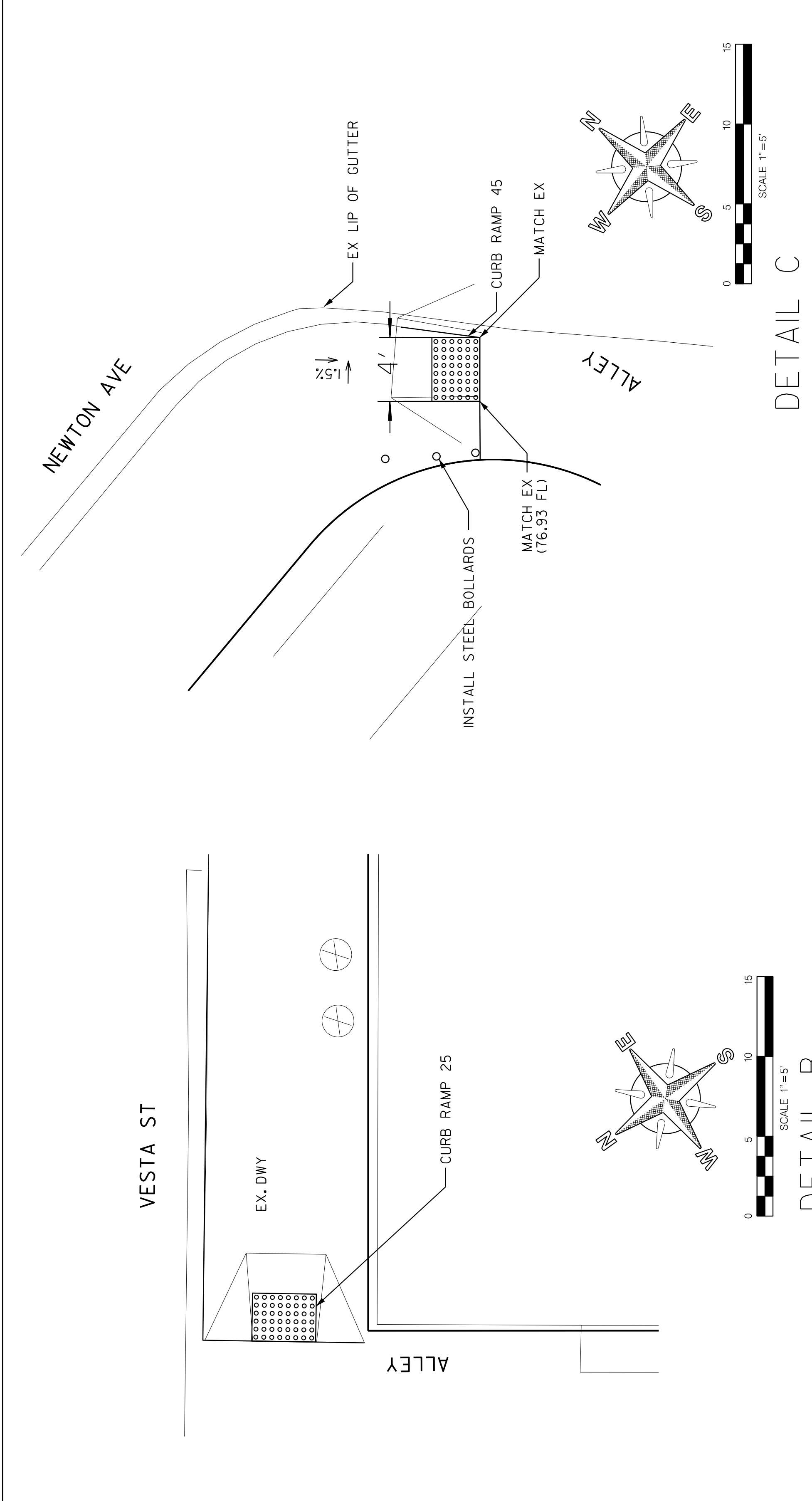
NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
41	CI		15'		X					X		
42	A		15'	X						X		
43	D			X						X		PROVIDE A LEVEL LANDING IN FRONT OF PRIVATE WALKWAY.
44	D			X						X		NEW CURB RAMP TO REPLACE EXISTING CURB RAMP THAT IS DUE SOUTH.
45	D			X						X		INSTALL STANDARD STEEL BOLLARDS BEHIND CURB RAMP TO PREVENT CAR ENCROACHMENT. PROVIDE ENLARGED DETAIL
46	D			X						X		
47	C2		9'		X					X		PROVIDE LEVEL LANDING IN FRONT OF PRIVATE ENTRANCES. ADJUST EXISTING WATER METER TO GRADE.
48	C2		9.6'		X					X		
49	C2		9.7'		X					X		PROTECT EXISTING STREET LIGHT / UTILITY POLE.
50	C2		9.7'		X					X		PROVIDE LEVEL LANDING IN FRONT OF PRIVATE ENTRANCES. CONTRACTOR TO PROTECT ANY PERMITTED FENCES DURING DEMOLITION AND CONSTRUCTION.
51	C2		10'		X					X		
52	C2				X					X		VERIFY LIMITS OF ROW
53	C2		11'	X						X		
54	D									X		
55	C2		8.6'	X						X		
56	CI		10'		X					X		PROVIDE 4' LEVEL LANDING ADJACENT OT DRIVEWAY.
57	CI			X						X		RELOCATE PULL BOX

C-39

<p>LEGEND</p> <p> CURB RAMP NO'S EX TREE EX STREET LIGHT EX UTILITY POLE EX STREET SIGN EX BARRICADE EX FIRE HYDRANT EX CURB RAMP </p>		<p>AC WATER & SEWER GROUP 1052</p> <p>CURB RAMP DETAIL</p>
<p>PROPOSED CURB RAMPS PER STANDARD DRAWINGS: DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 GENERAL CURB RAMP NOTES SDG-132 SUPPLEMENTAL DETAILS SDG-133 CURB RAMP TYPE SDG-134 CURB RAMP - TYPE C1 & C2 SDG-135 CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 GENERAL CURB RAMPS SDG-138 ISLAND AND PASSAGEWAY DETAILS SDG-139 CURB RAMP BARRICADE SDG-140 EX STAMP / IMPRESSION PLACEMENT SDG-145</p>		<p>CITY OF SAN DIEGO CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 42 OF 53 SHEETS</p> <p> <small>APPROVED BY:</small> FOR CITY ENGINEER: JOSHUA ADELMAN PROJECT MANAGER PRINT DATE: JANICE JARO DATE: C70770 REVISIONS: JING DEBELISO PROJECT ENGINEER ORIGINAL APPROVED DATE: FILED DATE STARTED: 41338-42-D DATE COMPLETED: </p>



POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1831848.53	6296304.97	STRAIGHT	N 26°08'46" E D = 2.41
PC	1+02.41	1831850.69	6296306.03	R = -20.00	DELTA = 12°29'09" LT L = 4.36
PCC	1+06.77	1831854.78	6296307.51	R = -20.00	DELTA = 11°30'02" LT L = 4.01
PCC	1+10.78	1831858.75	6296308.06	R = -20.00	DELTA = 2°40'49" LT L = 0.94
PT	1+11.72	1831859.69	6296308.08	STRAIGHT	N 0°31'14" W D = 3.08
POE	1+14.80	1831862.77	6296308.05		



DETAIL B

Scale: 1" = 5'

LEGEND

- (B) CURB RAMP NO'S
- T EX TREE
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- EX STREET SIGN
- EX CURB RAMP
- EX BARRICADE

PROPOSED CURB RAMP PER STANDARD DRAWINGS:
 SDG-130
 SDG-131
 DETECTABLE WARNING TILES
 GENERAL CURB RAMP NOTES
 GENERAL CURB RAMP NOTES
 CURB RAMP DETAILS
 CURB RAMP DETAILS
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE C1 & C2
 CURB RAMP - TYPE D
 CURB RAMP - TYPE D
 GENERAL CURB RAMP
 ISLAND AND PASSAGEWAY DETAILS
 CURB RAMP BARRICADE
 EX STAMP/IMPRESSION PLACEMENT

SDG-132
 SDG-133
 SDG-134
 SDG-135
 SDG-136
 SDG-137
 SDG-138
 SDG-139
 SDG-140
 SDG-145

AC WATER & SEWER GROUP 1052
CURB RAMP LOCATION

C-40

CITY OF SAN DIEGO CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 43 OF 53 SHEETS

WATER WBS: B-18092
 SEWER WBS: B-18096

FOR CITY ENGINEER: JOSHUA ADELMAN
 PROJECT MANAGER

FOR CITY ENGINEER: JANICE JARO
 PROJECT ENGINEER

DATE: 6/10/20
 DATE: 6/10/20

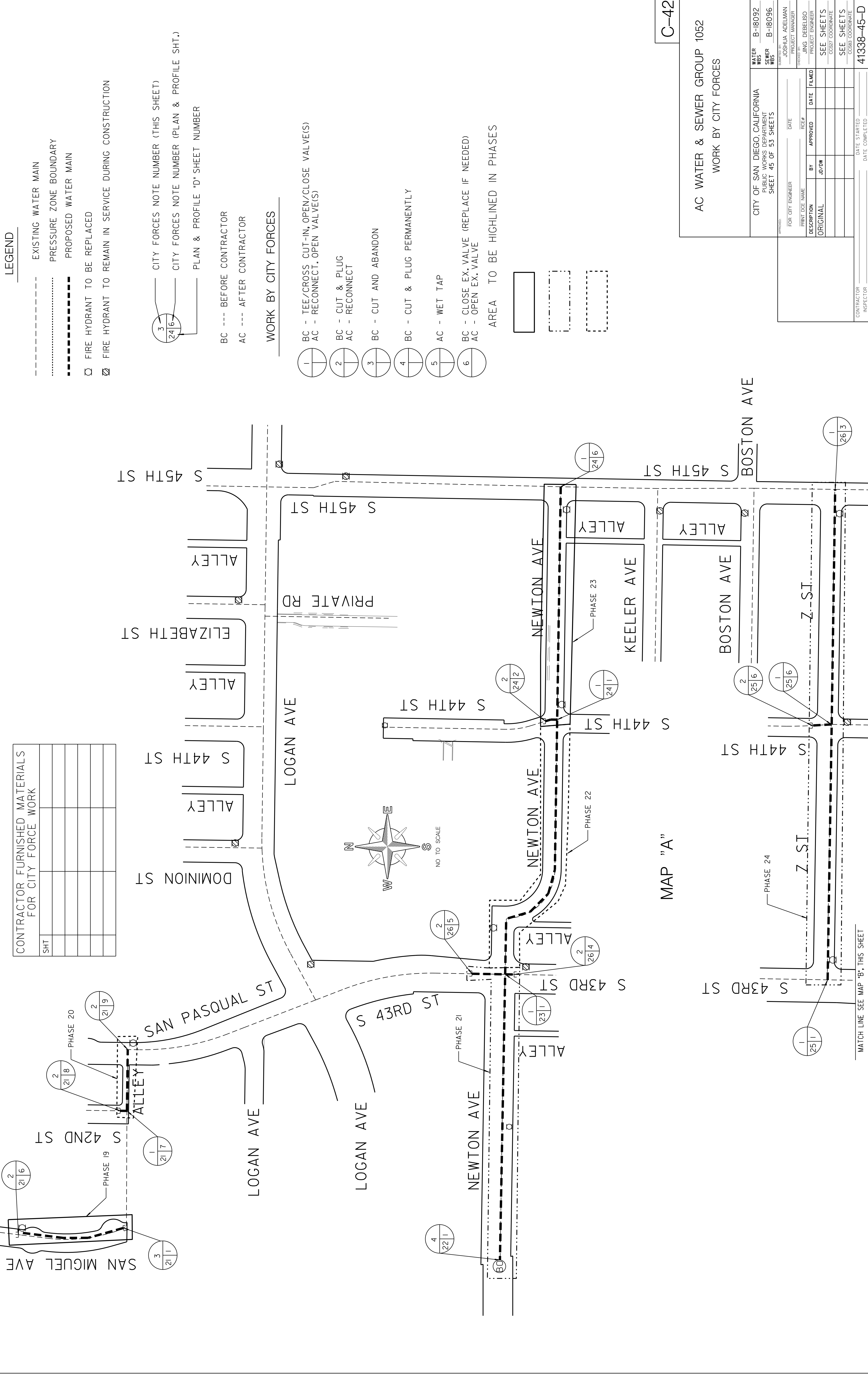
BY: JING DEBELISO
 PROJECT ENGINEER

DESCRIPTION: ORIGINAL

DATE STARTED: _____
 DATE COMPLETED: _____

CONTRACTOR: _____
 INSPECTOR: _____

41338-43-D



LEGEND

- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO BE REPLACED
- ⊗ FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION

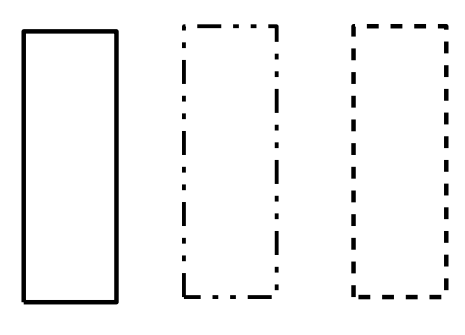
○ 3 / 24 | 6 CITY FORCES NOTE NUMBER (THIS SHEET)
 ○ 2 / 24 | 6 CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
 ○ 1 / 24 | 6 PLAN & PROFILE 'D' SHEET NUMBER

BC --- BEFORE CONTRACTOR
 AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

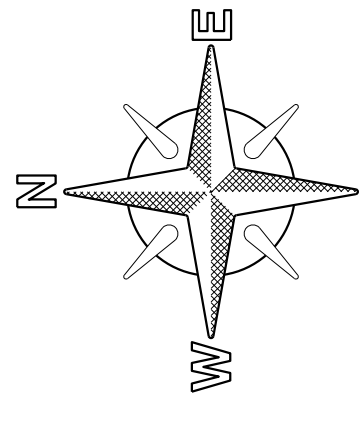
- 1 / 24 | 6 BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
 AC - RECONNECT, OPEN VALVE(S)
- 2 / 24 | 6 BC - CUT & PLUG
 AC - RECONNECT
- 3 / 24 | 6 BC - CUT AND ABANDON
- 4 / 24 | 6 BC - CUT & PLUG PERMANENTLY
- 5 / 24 | 6 AC - WET TAP
- 6 / 24 | 6 BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
 AC - OPEN EX. VALVE

AREA TO BE HIGHLIGHTED IN PHASES



CONTRACTOR FURNISHED MATERIALS FOR CITY FORCE WORK

SHT			



MAP "A"

AC WATER & SEWER GROUP 1052
 WORK BY CITY FORCES

CITY OF SAN DIEGO CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 45 OF 53 SHEETS

WATER WBS B-18092
 SEWER WBS B-18096

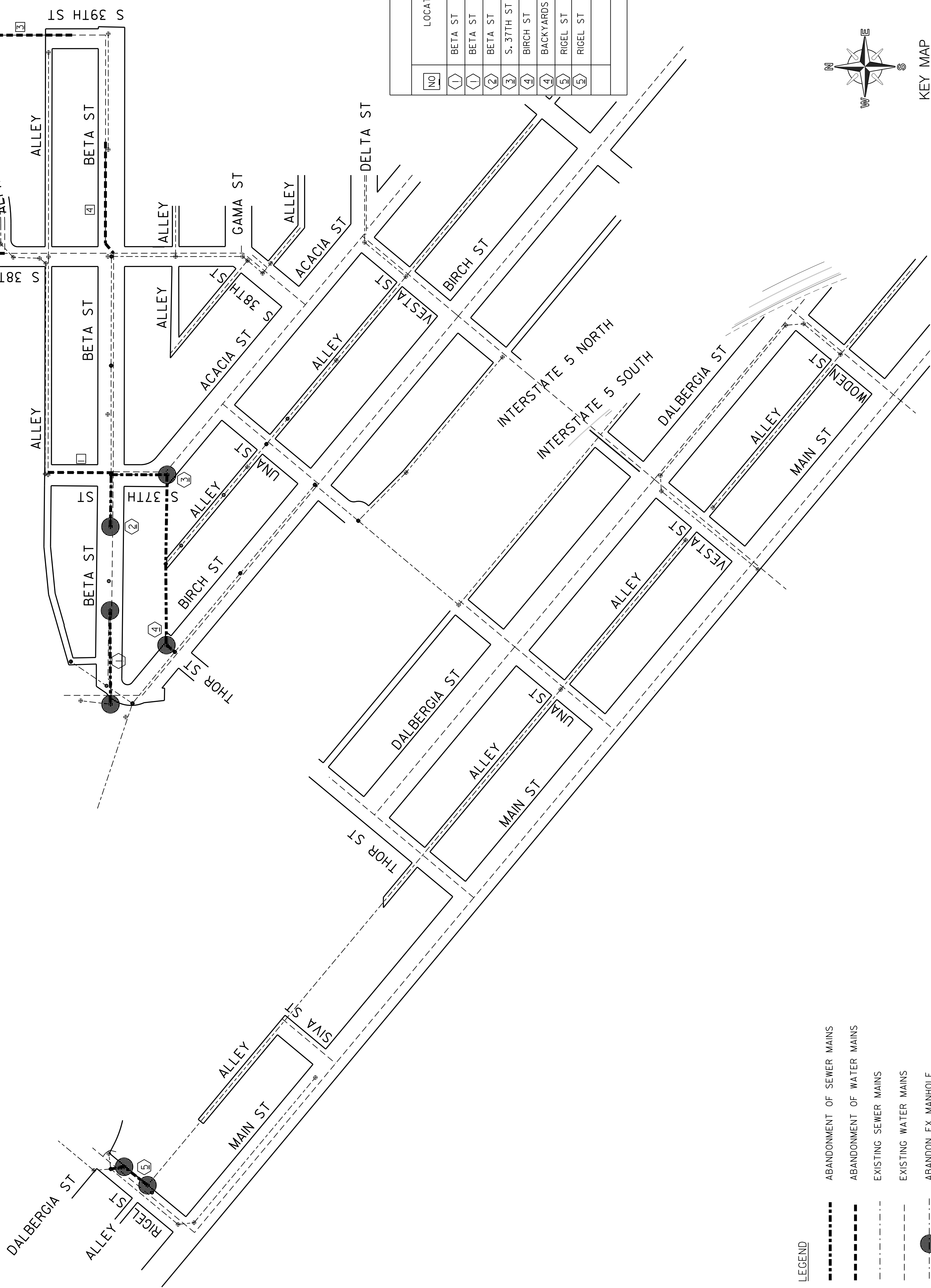
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER
 JING DEBELISO PROJECT ENGINEER

FOR CITY ENGINEER DATE _____
 PRINTED NAME _____
 DESCRIPTION ORIGINAL BY APPROVED DATE FILED

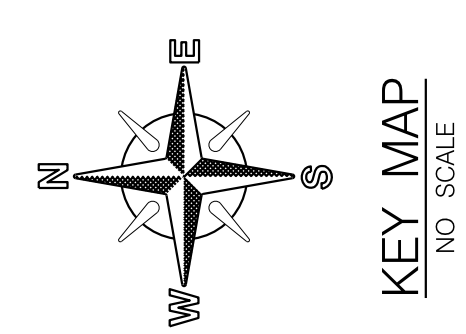
SEE SHEETS
 SEE SHEETS
 SEE SHEETS

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

41338-45-D



- LEGEND**
- ABANDONMENT OF SEWER MAINS
 - ABANDONMENT OF WATER MAINS
 - - - EXISTING SEWER MAINS
 - - - EXISTING WATER MAINS
 - ABANDON EX MANHOLE



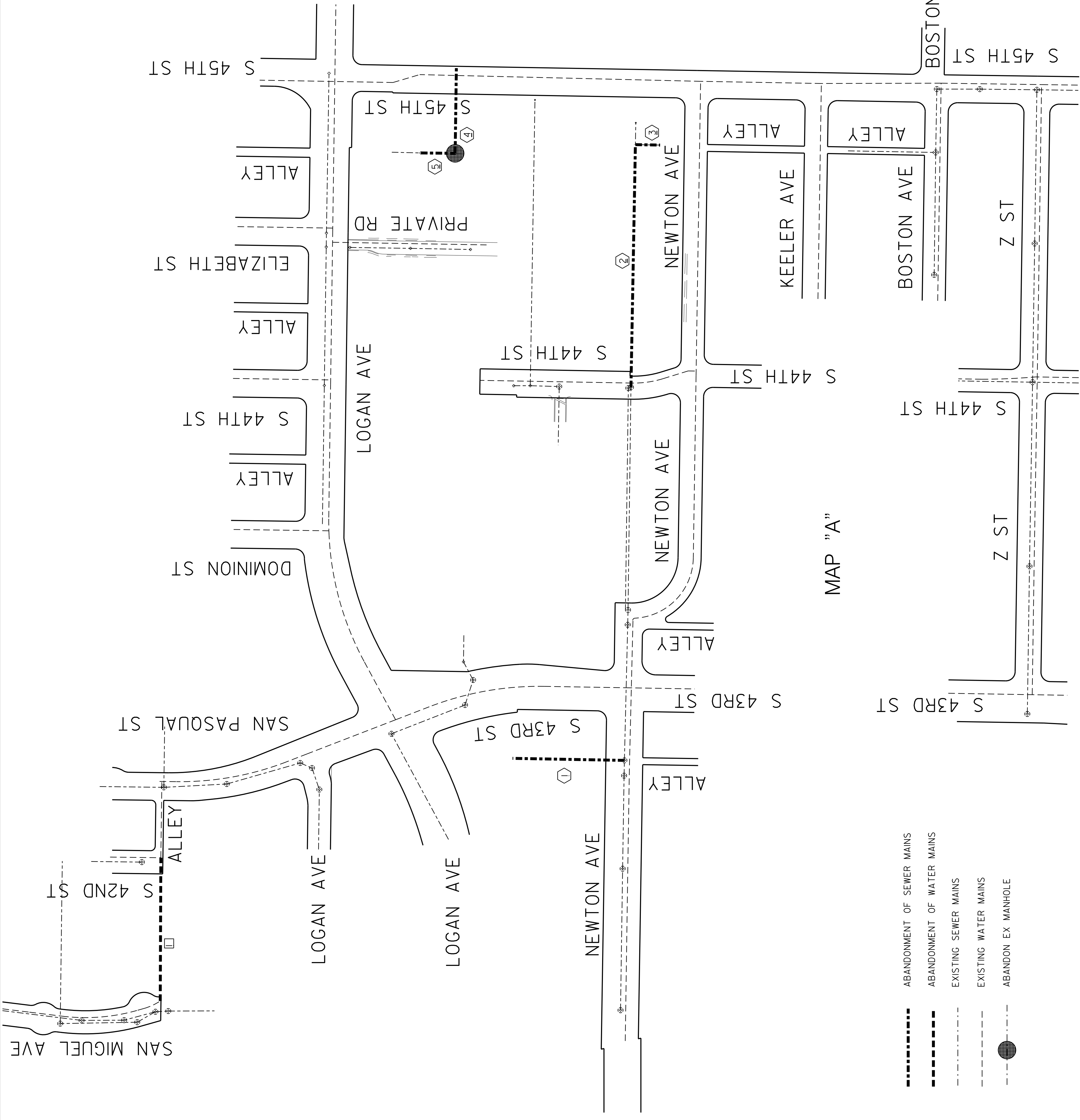
ABANDONMENT OF WATER MAINS				
NO	LOCATION	SIZE OF PIPE	MATERIAL	LENGTH FT
1	S 37TH ST	8	AC	181
2	S 38TH ST	8	AC	29
3	S 39TH ST	8	AC	252.5
3	S 39TH ST	6	AC	316
4	BETA ST	8	AC	325
TOTAL ABANDONMENT OF WATER MAINS				1103.5

ABANDONMENT OF SEWER MAINS							
NO	LOCATION	MH ID NO.	RIM OF MANHOLE	IE OF MANHOLE	SIZE OF PIPE	MATERIAL	LENGTH FT
1	BETA ST	509	12.45	1.42	8"	PVC	295
1	BETA ST	433	11.96	6.36			
2	BETA ST	434	12.57	7.57	8"	PVC	158
3	S. 37TH ST	148	12.49	3.79	10"	PVC	52
4	BIRCH ST	224	12.39	2.69	15"	VC	33
4	BACKYARDS				14"	CP	515
5	RIGEL ST	180	11.71	3.62	6"	VC	90
5	RIGEL ST	208	12.26	4.26			
TOTAL ABANDONMENT OF SEWER MAINS							1143

C-43

PLANS FOR THE CONSTRUCTION OF
AC WATER AND SEWER GROUP 1052
ABANDONMENT SHEET

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 46 OF 53 SHEETS		WATER MBS B-18092 SEWER MBS B-18096
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER	
FOR CITY ENGINEER: JAMICE JARO PRINT DATE: 10/1/2010	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER	
DESCRIPTION: ORIGINAL	APPROVED BY: JING DEBELISO PROJECT ENGINEER	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER
	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER
	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER	DATE: C70770 REVISED BY: JING DEBELISO PROJECT ENGINEER
CONTRACTOR: _____	INSPECTOR: _____	DATE STARTED: _____ DATE COMPLETED: _____
		41338-46-D



ABANDONMENT OF WATER MAINS				
NO	LOCATION	SIZE OF PIPE	MATERIAL	LENGTH FT
1	SAN MIGUEL AVE	4	AC	309
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
TOTAL ABANDONMENT OF WATER MAINS				309

ABANDONMENT OF SEWER MAINS							
NO	LOCATION	MH-ID NO.	RIM OF MANHOLE	IE OF MANHOLE	SIZE OF PIPE	MATERIAL	LENGTH FT
1	NEWTON AVE				6"	VC	215
2	NEWTON AVE				6"	CP	510
3	NEWTON AVE				6"	CP	60
4	S 45TH ST	262	82.59	88.47	8"	VC	185
5	S 45TH ST				6"	VC	73
TOTAL ABANDONMENT OF SEWER MAINS							1043

C-44

PLANS FOR THE CONSTRUCTION OF
AC WATER AND SEWER GROUP 1052
ABANDONMENT SHEET

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 47 OF 53 SHEETS

FOR CITY ENGINEER
JAMICE JARO
PROJECT NO. C70770

DATE: _____
APPROVED BY: _____
DATE FILMED: _____

FOR PROJECT MANAGER
JOSHUA ADELMAN
PROJECT ENGINEER

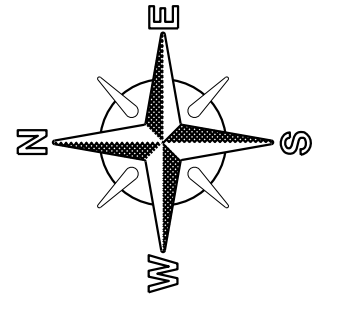
FOR PROJECT ENGINEER
JING DEBELISO
PROJECT ENGINEER

FOR SEE SHEETS
SEE SHEETS
SEE SHEETS

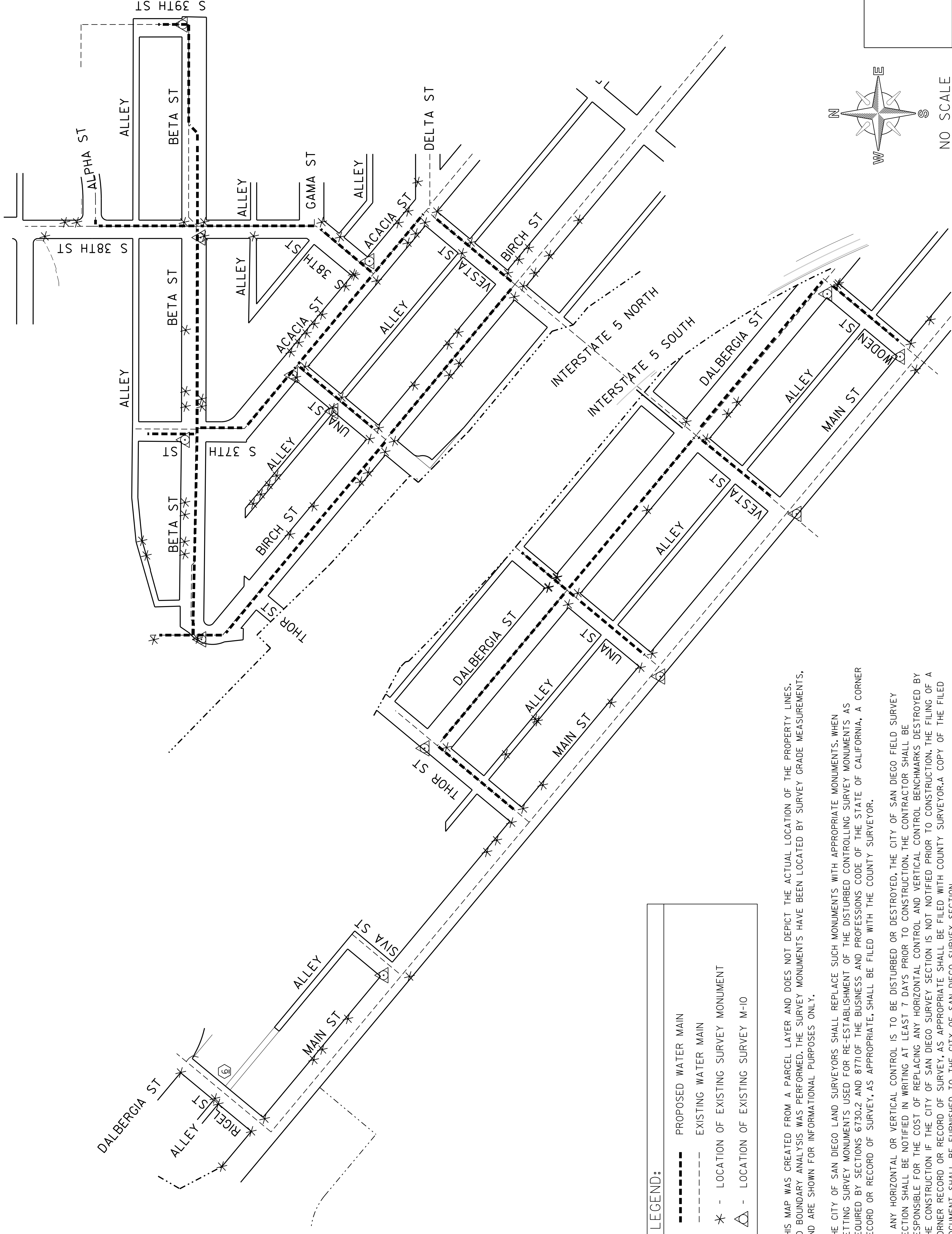
FOR SEE SHEETS
SEE SHEETS
SEE SHEETS

CONTRACTOR: _____
INSPECTOR: _____
DATE STARTED: _____
DATE COMPLETED: 41338-47-D

WATER WBS: B-18092
SEWER WBS: B-18096



KEY MAP
NO. SCALE



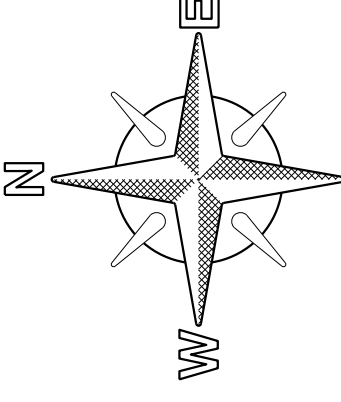
LEGEND:

- PROPOSED WATER MAIN
- - - - - EXISTING WATER MAIN
- * - LOCATION OF EXISTING SURVEY MONUMENT
- △ - LOCATION OF EXISTING SURVEY M-I-O

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION. IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

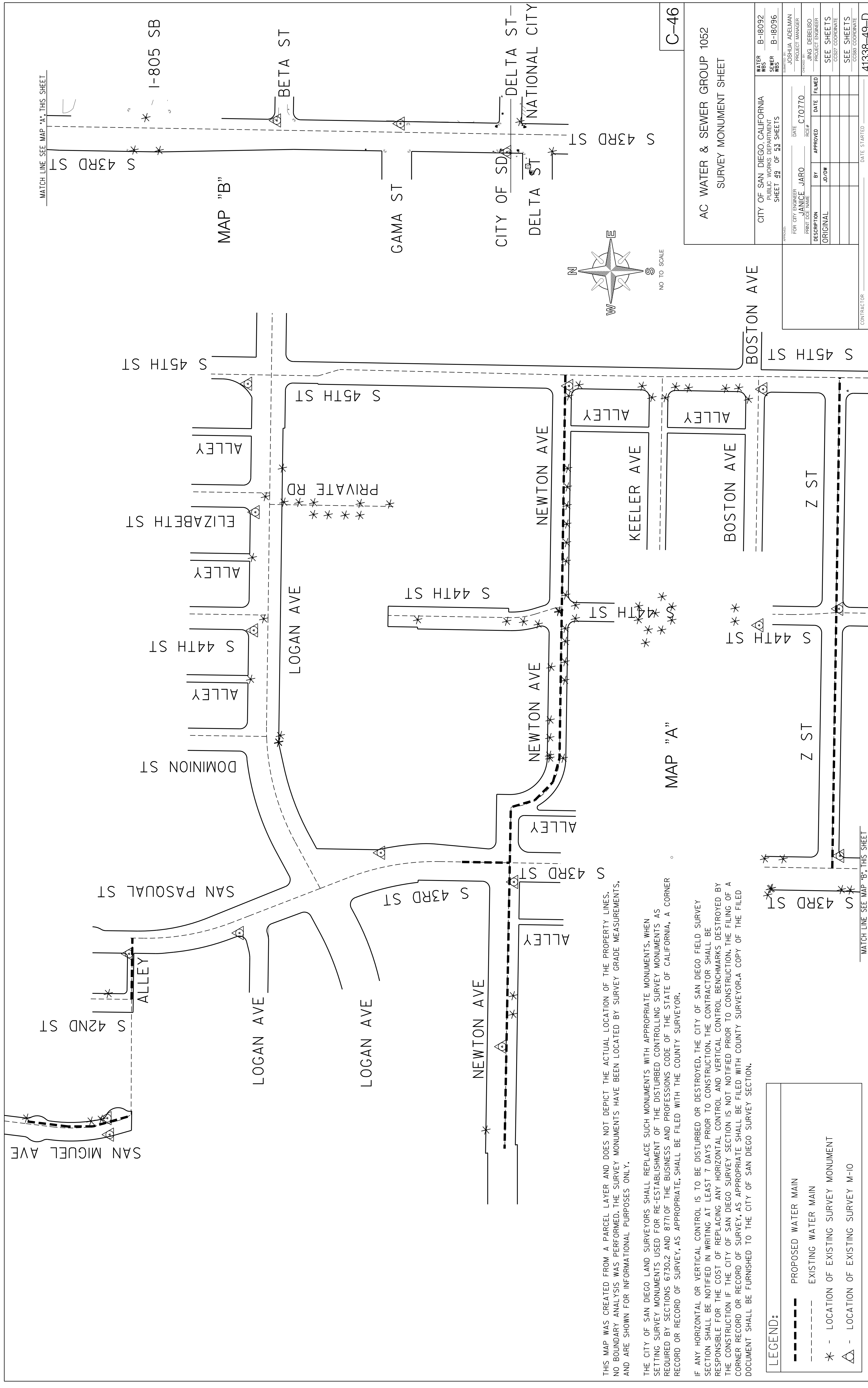


NO SCALE

AC WATER & SEWER GROUP 1052
SURVEY MONUMENT SHEET

C-45

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 48 OF 53 SHEETS		WATER WBS B-18092
		SEWER WBS B-18096
APPROVED BY: JOSHUA ADELMAN PROJECT MANAGER		
FOR CITY ENGINEER: _____ DATE: _____		
PRINTED BY: JING DEBELISO PROJECT ENGINEER		
DESCRIPTION	BY	DATE
ORIGINAL	JD/DM	
		FILED
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	41338-48-D



THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS, WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

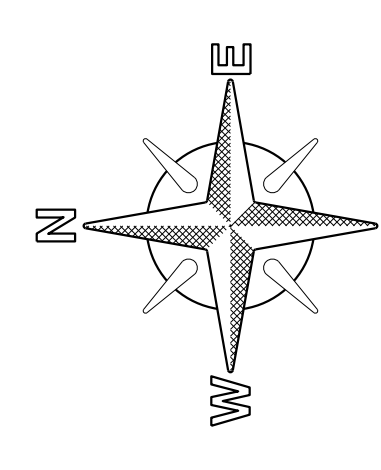
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND:

— — — — —	PROPOSED WATER MAIN
- - - - -	EXISTING WATER MAIN
* - - - -	LOCATION OF EXISTING SURVEY MONUMENT
△ - - - -	LOCATION OF EXISTING SURVEY M-10

MAP "A"

MAP "B"



AC WATER & SEWER GROUP 1052
SURVEY MONUMENT SHEET

C-46

CITY OF SAN DIEGO, CALIFORNIA		WATER WBS	B-18092
PUBLIC WORKS DEPARTMENT		SEWER WBS	B-18096
SHEET 49 OF 53 SHEETS		DATE	C70770
FOR CITY ENGINEER	JANICE JARO	DATE	C70770
PROJECT MANAGER	JOSHUA ADELMAN	APPROVED	DATE
PROJECT ENGINEER	JING DEBELISO	FILED	
DESCRIPTION	ORIGINAL	JD/JW	
SEE SHEETS	SEE SHEETS	CCS87 COORDINATE	
SEE SHEETS	SEE SHEETS	CCS88 COORDINATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	41338-49-D

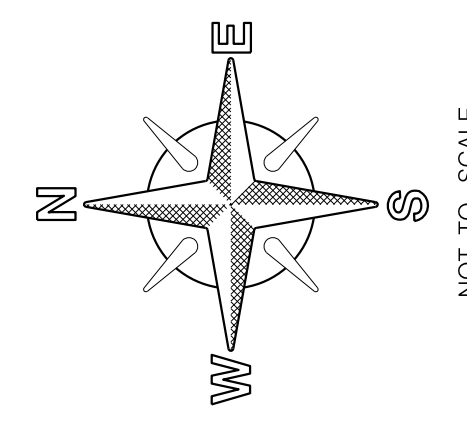
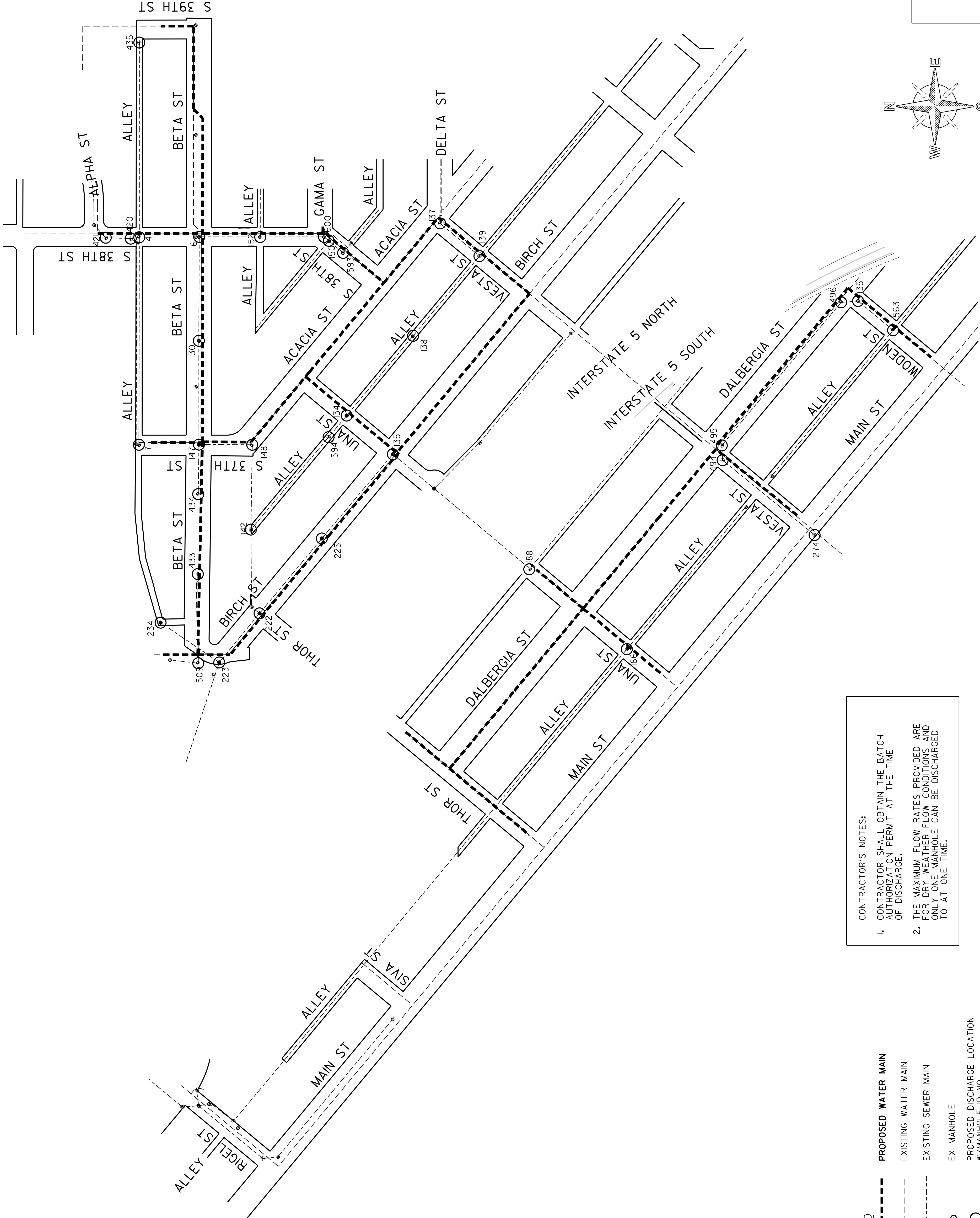
DISCHARGE TABLE

STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
ALLEY	234	107449	1000
BETA ST	509	5055552	1000
BETA ST	433	107573	500
BETA ST	434	107574	270
BETA ST	147	107371	270
BETA ST	30	107259	270
BETA ST	6	107236	270
BIRCH STREET	223	107443	1000
BIRCH STREET	222	107442	1000
BIRCH STREET	225	107445	270
UNA STREET	135	107360	270
UNA STREET	134	107359	270
ALLEY	594	5462760	270
S 37TH STREET	7	107237	250
ACACIA STREET	148	107372	270
ALLEY	138	107363	190
VESTA STREET	139	107364	190
VESTA STREET	137	107362	190
S 38TH STREET	593	5462069	190
S 38TH STREET	150	107374	190
S 38TH STREET	600	5462864	190
S 38TH STREET	152	107376	200
S 38TH STREET	4	107234	250
S 38TH STREET	420	107565	1000
S 38TH STREET	421	107566	1000
ALLEY	435	107575	250
UNA STREET	188	107411	270
UNA STREET	186	107409	340
MAIN STREET	274	107736	1000
VESTA STREET	494	107607	1000
DALBERGIA STREET	495	107608	1000
DALBERGIA STREET	496	107608	1000
WODEN STREET	135	107702	1000
WODEN STREET	563	5202946	300

C-47

AC WATER & SEWER GROUP 1052
BATCH DISCHARGE SHEET

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 50 OF 53 SHEETS	WATER WBS B-18092 SEWER WBS B-18096
FOR CITY ENGINEER JANICE JARO PRINT DATE: _____	DATE: _____ PAGE # C70770
APPROVED BY: _____ JOB #/W _____	DATE: _____ FILED _____
DESCRIPTION: ORIGINAL	PROJECT MANAGER: JOSHUA ADELMAN
	PROJECT ENGINEER: JING DEBELISO
	SEE SHEETS: _____
	SEE SHEETS: _____
CONTRACTOR: _____	DATE STARTED: _____
INSPECTOR: _____	DATE COMPLETED: _____
	41338-50-D

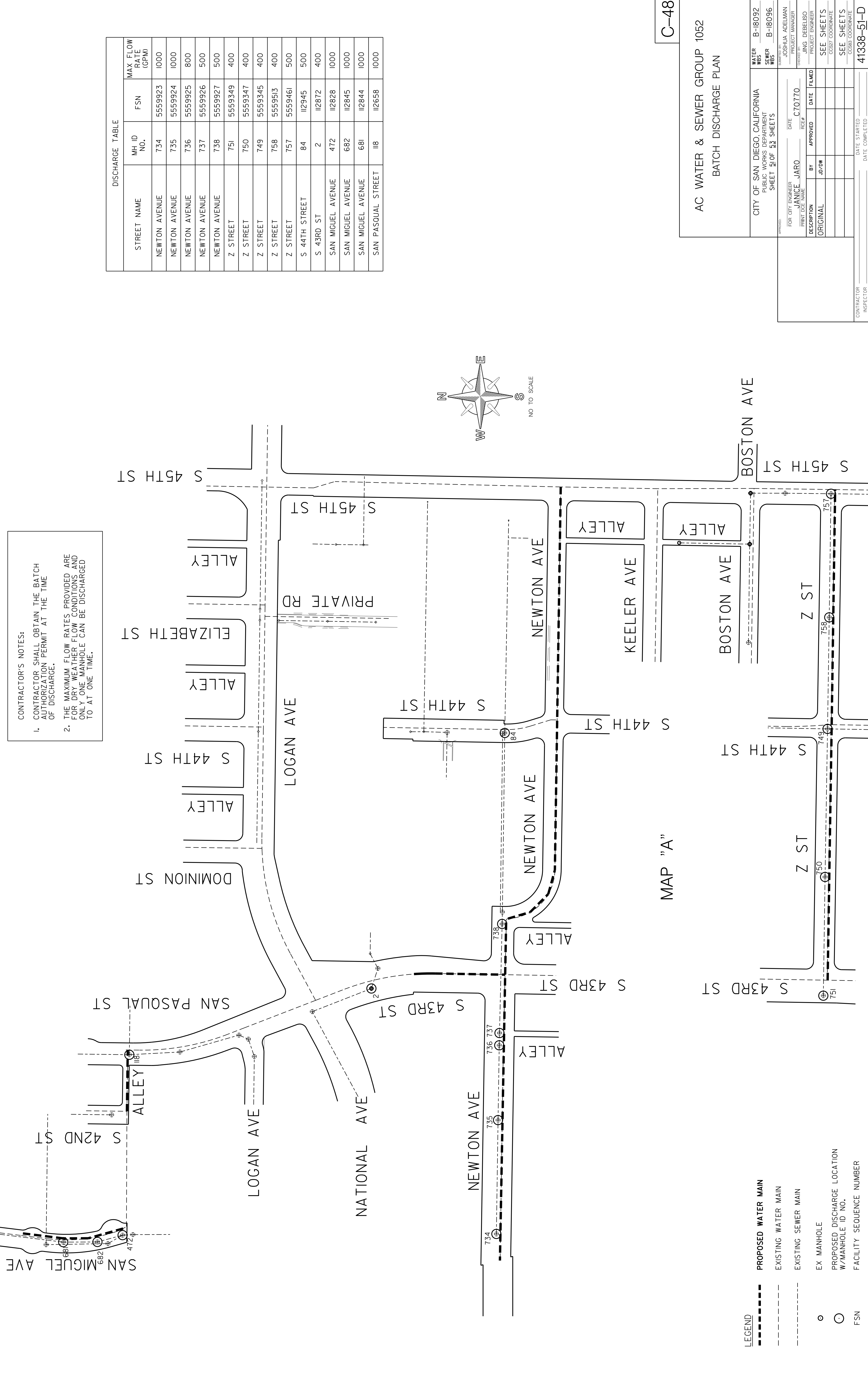


NOT TO SCALE

CONTRACTOR'S NOTES:
1. CONTRACTOR SHALL OBTAIN THE BATCH AUTHORIZATION PERMIT AT THE TIME OF DISCHARGE.
2. THE MAXIMUM FLOW RATES PROVIDED ARE FOR DRY WEATHER FLOW CONDITIONS AND ONLY ONE MANHOLE CAN BE DISCHARGED TO AT ONE TIME.

- LEGEND
- PROPOSED WATER MAIN
 - - - EXISTING WATER MAIN
 - - - EXISTING SEWER MAIN
 - EX MANHOLE
 - PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
 - FSN
 - FACILITY SEQUENCE NUMBER

CONTRACTOR'S NOTES:
 1. CONTRACTOR SHALL OBTAIN THE BATCH AUTHORIZATION PERMIT AT THE TIME OF DISCHARGE.
 2. THE MAXIMUM FLOW RATES PROVIDED ARE FOR DRY WEATHER FLOW CONDITIONS AND ONLY ONE MANHOLE CAN BE DISCHARGED TO AT ONE TIME.



DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
NEWTON AVENUE	734	5559923	1000
NEWTON AVENUE	735	5559924	1000
NEWTON AVENUE	736	5559925	800
NEWTON AVENUE	737	5559926	500
NEWTON AVENUE	738	5559927	500
Z STREET	751	5559349	400
Z STREET	750	5559347	400
Z STREET	749	5559345	400
Z STREET	758	5559513	400
Z STREET	757	5559461	500
S 44TH STREET	84	112945	500
S 43RD ST	2	112872	400
SAN MIGUEL AVENUE	472	112828	1000
SAN MIGUEL AVENUE	682	112845	1000
SAN MIGUEL AVENUE	681	112844	1000
SAN PASOUAL STREET	118	112658	1000

AC WATER & SEWER GROUP 1052
 BATCH DISCHARGE PLAN

C-48

CITY OF SAN DIEGO CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 51 OF 53 SHEETS

FOR CITY ENGINEER
 PROJECT MANAGER
 JOSHUA ADELMAN
 WATER WBS B-18092
 SEWER WBS B-18096

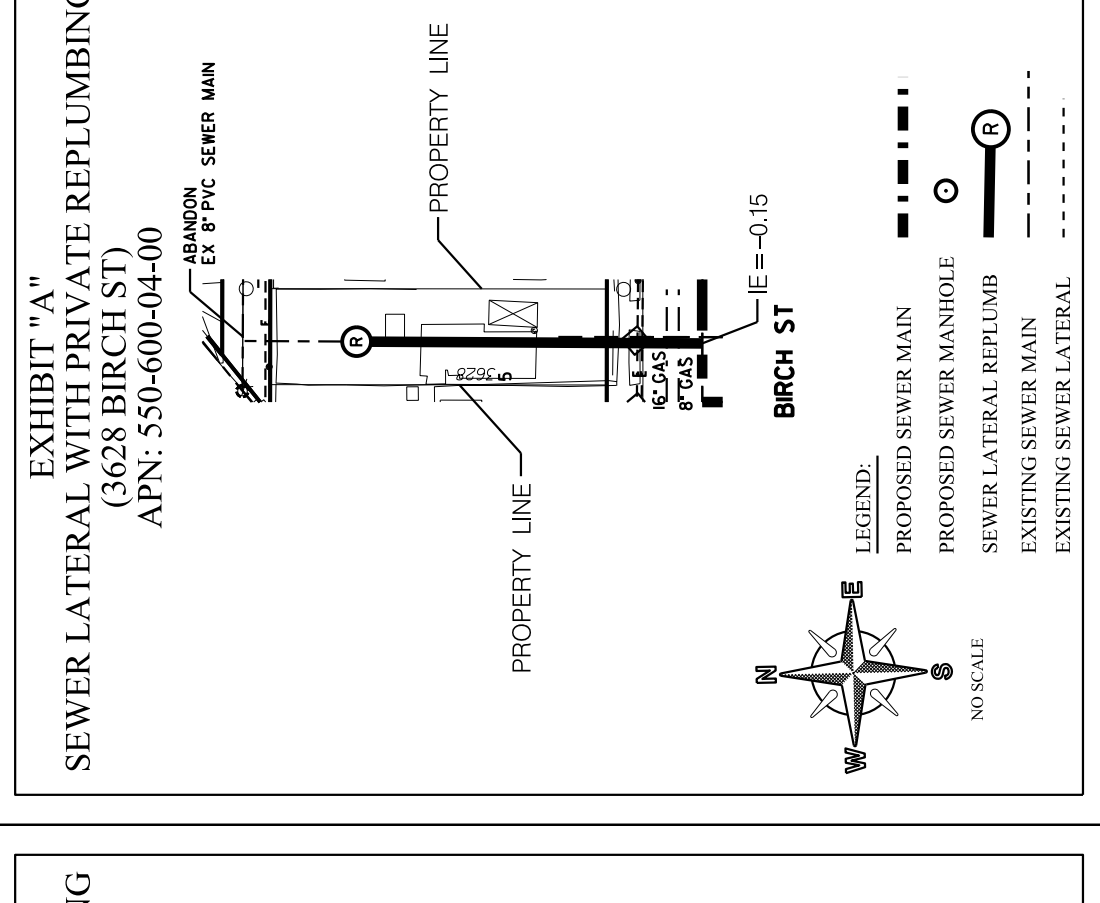
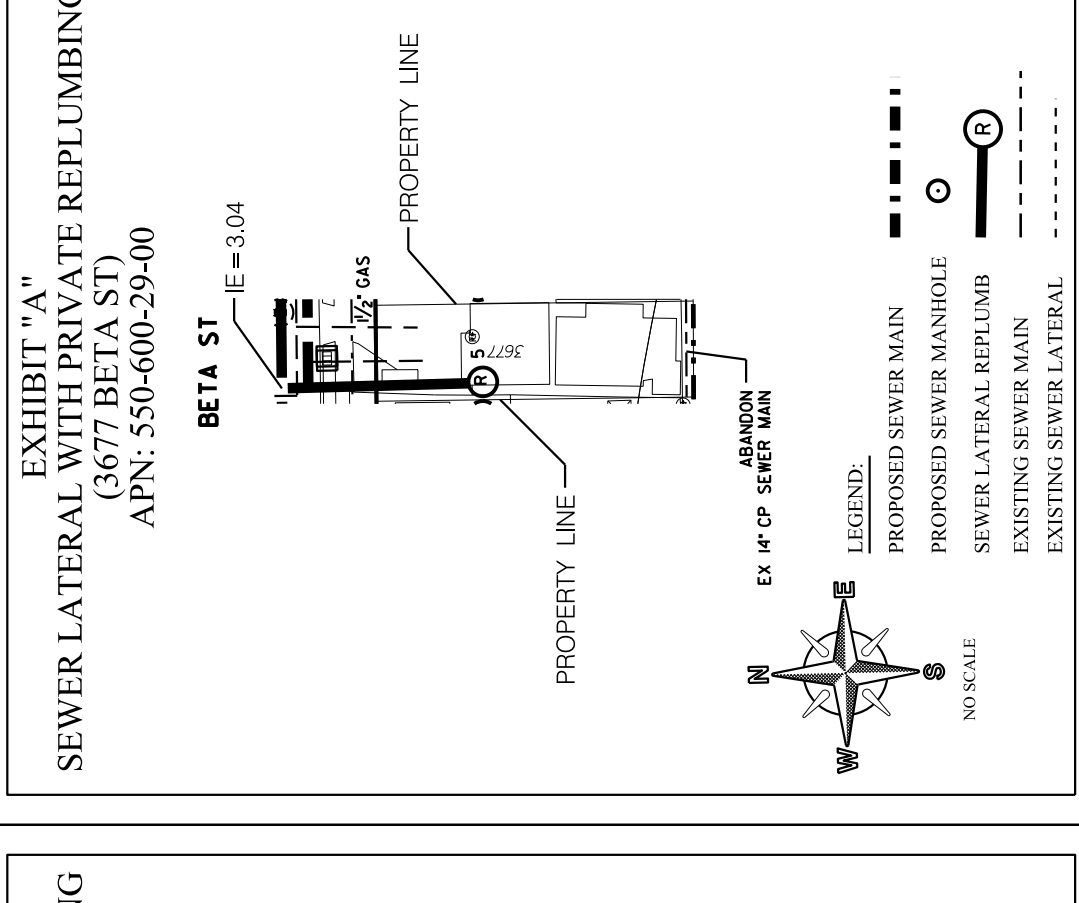
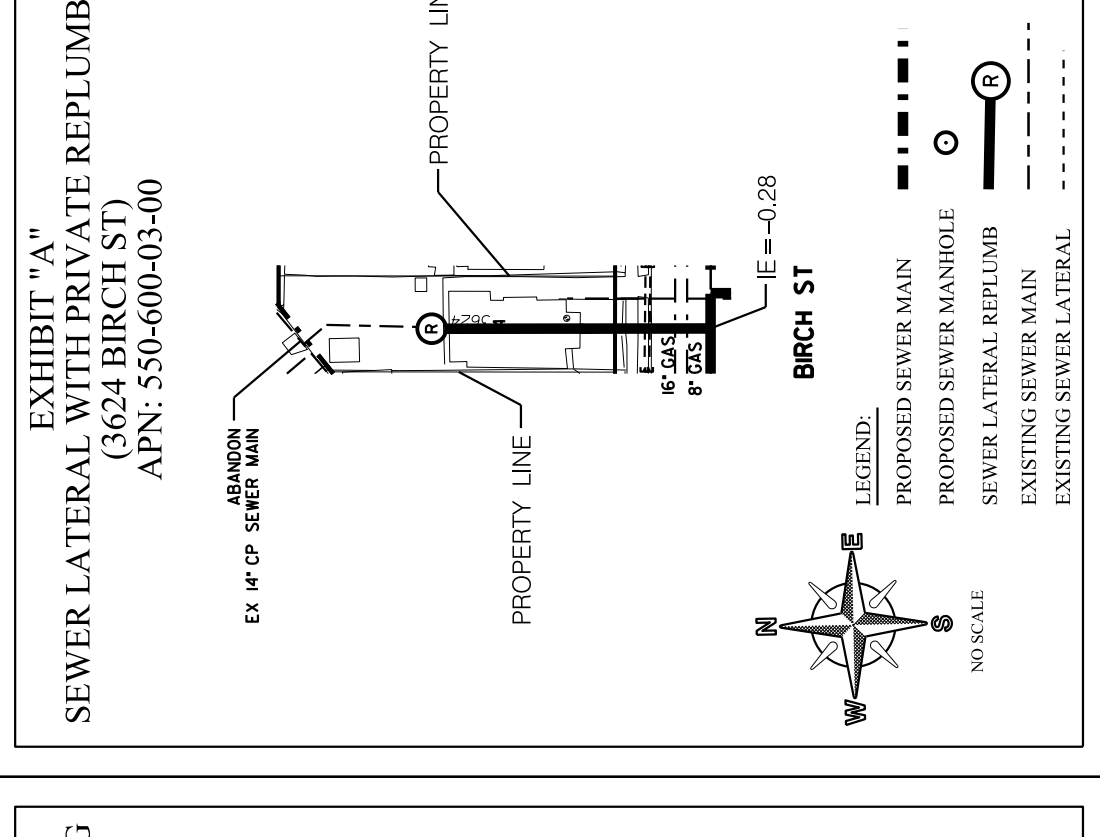
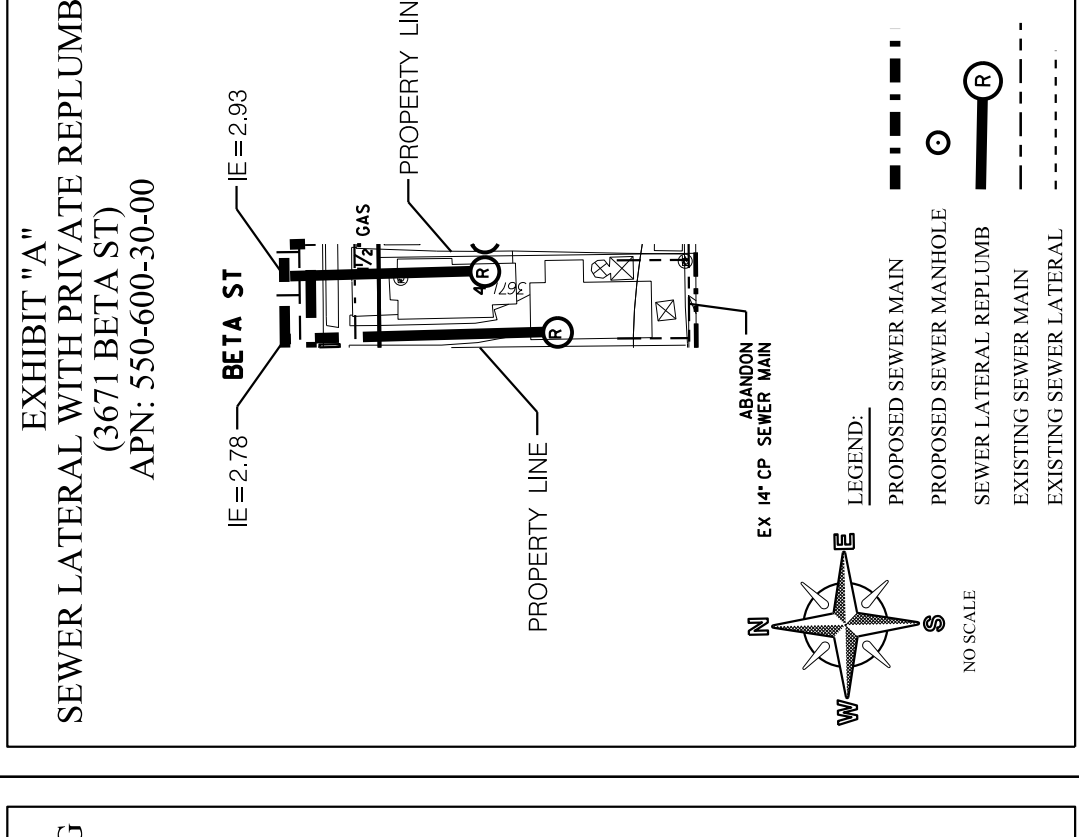
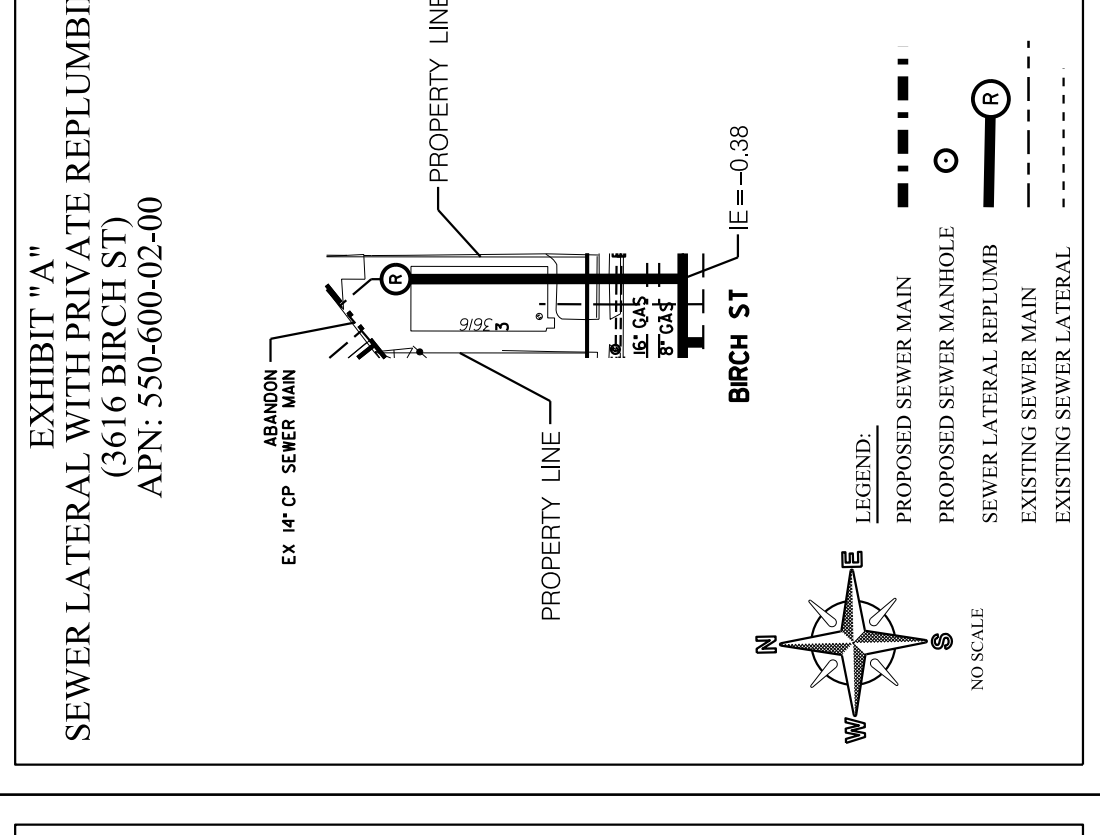
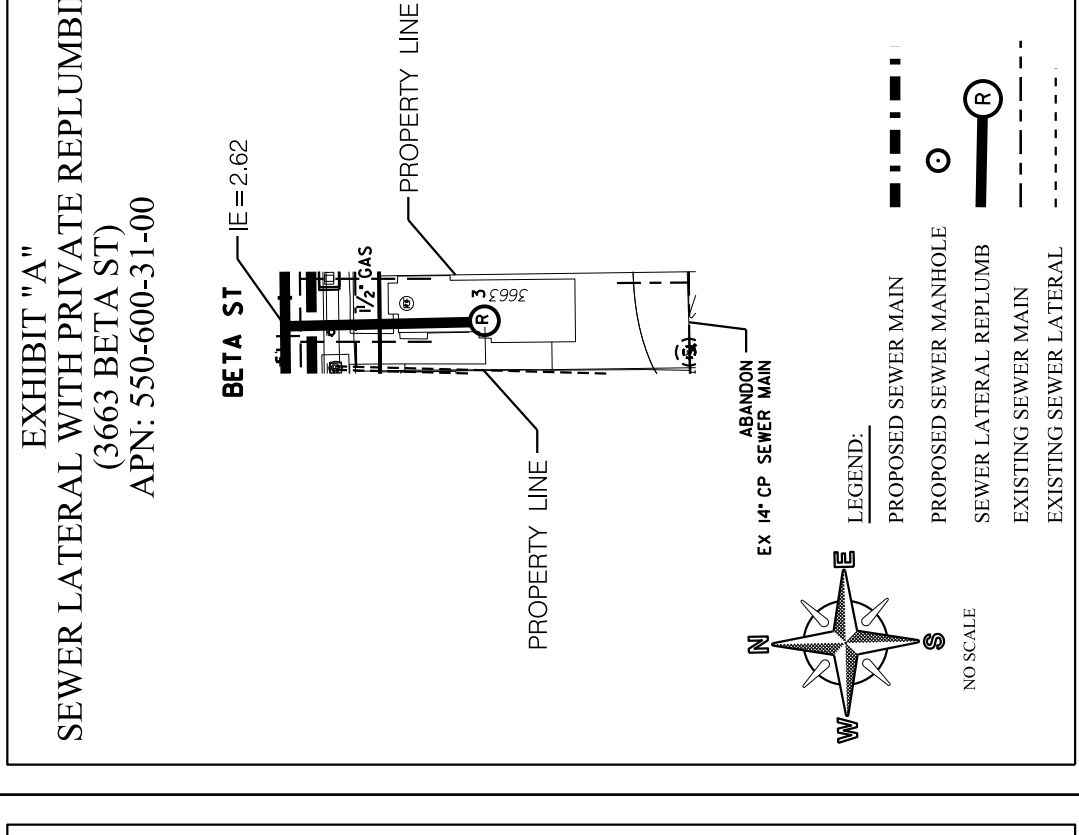
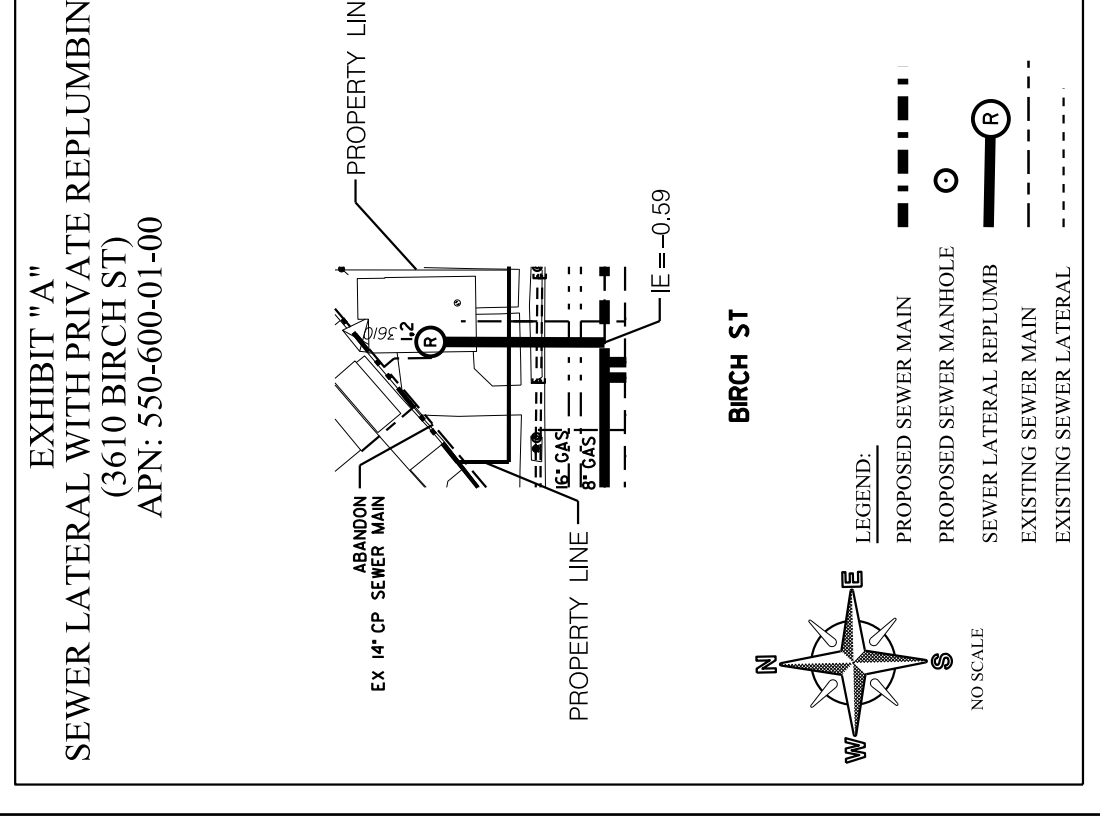
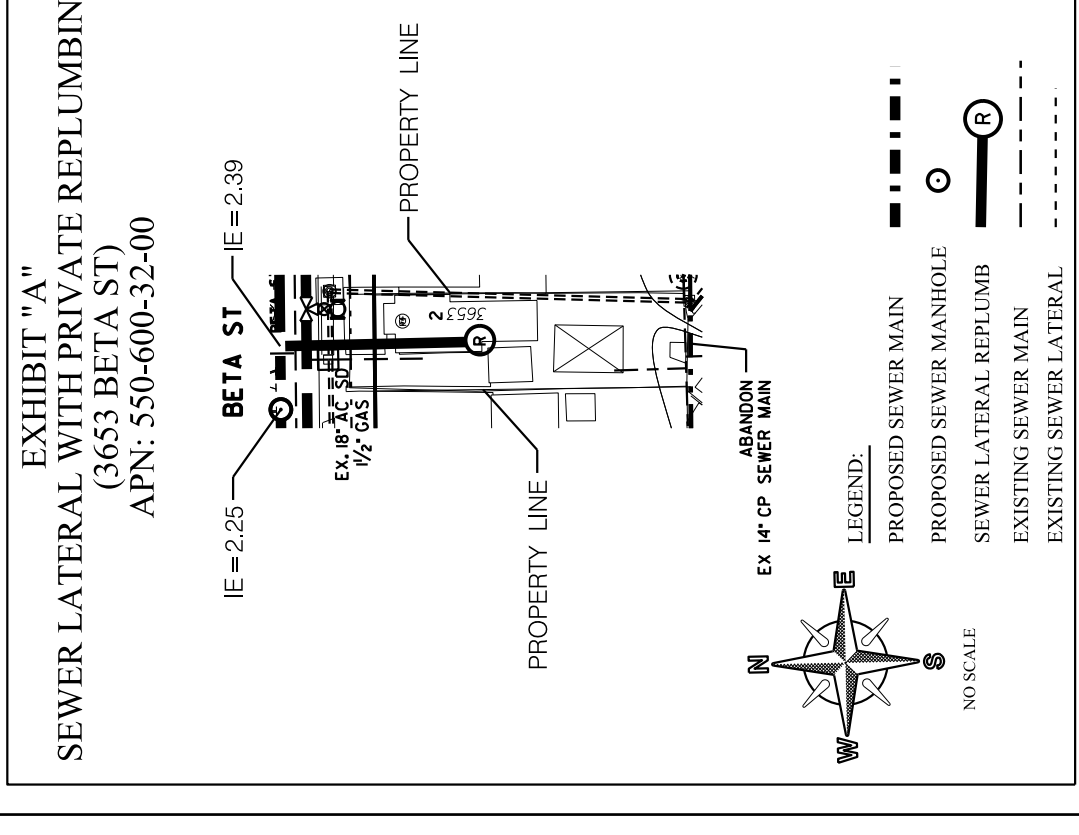
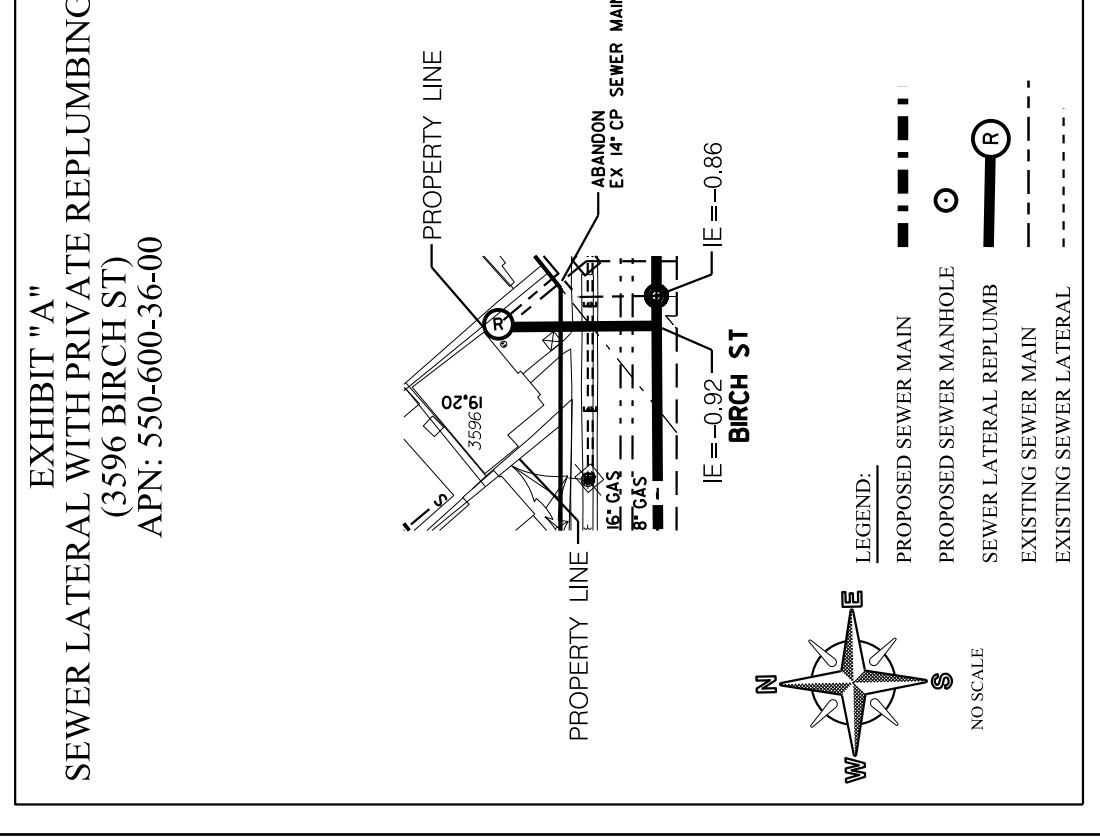
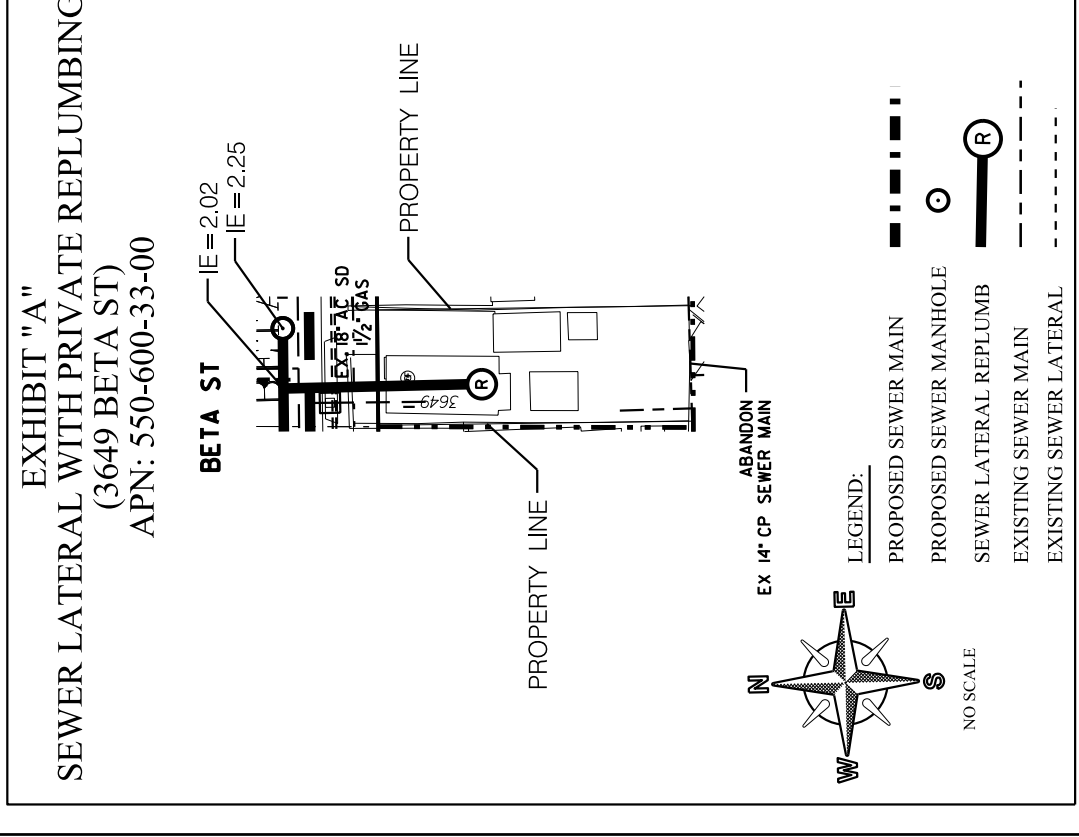
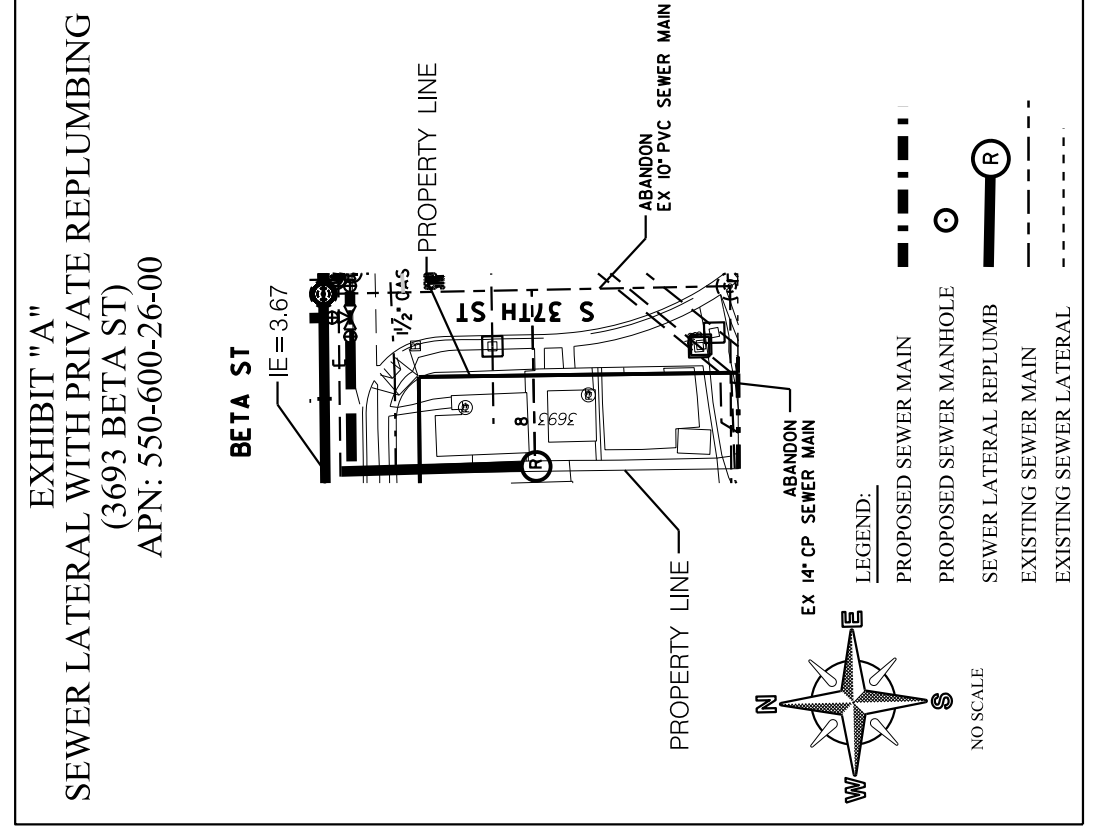
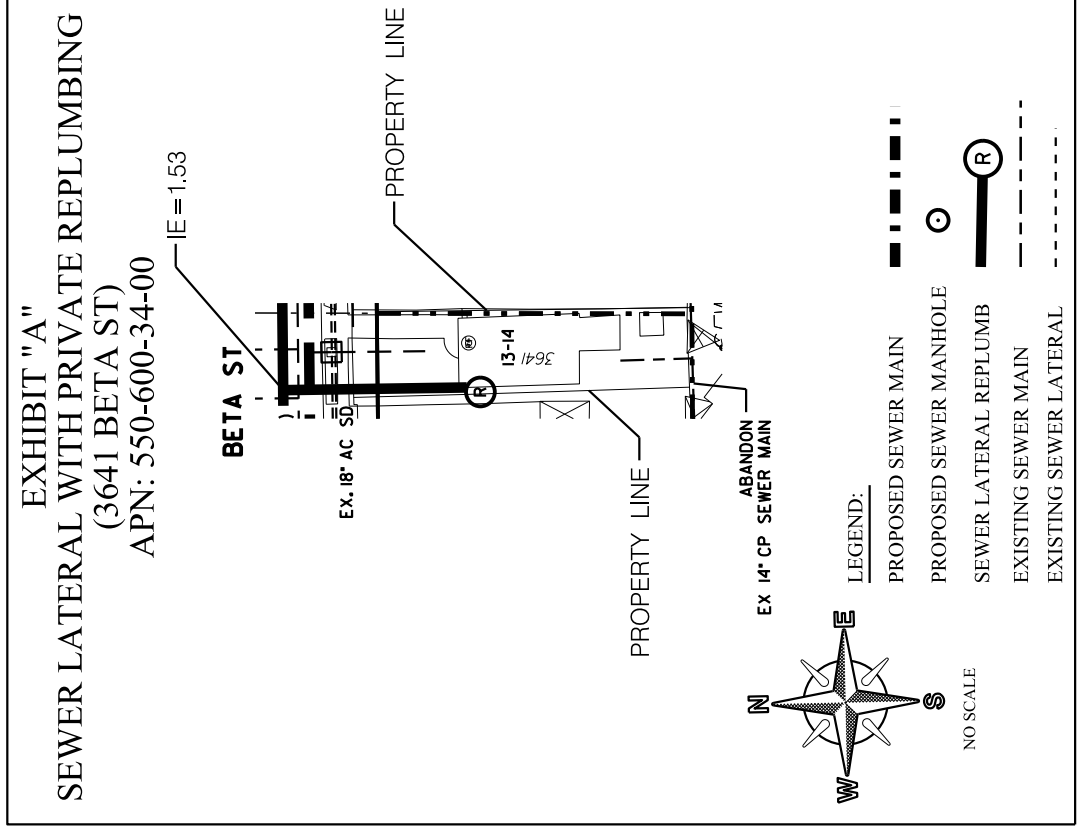
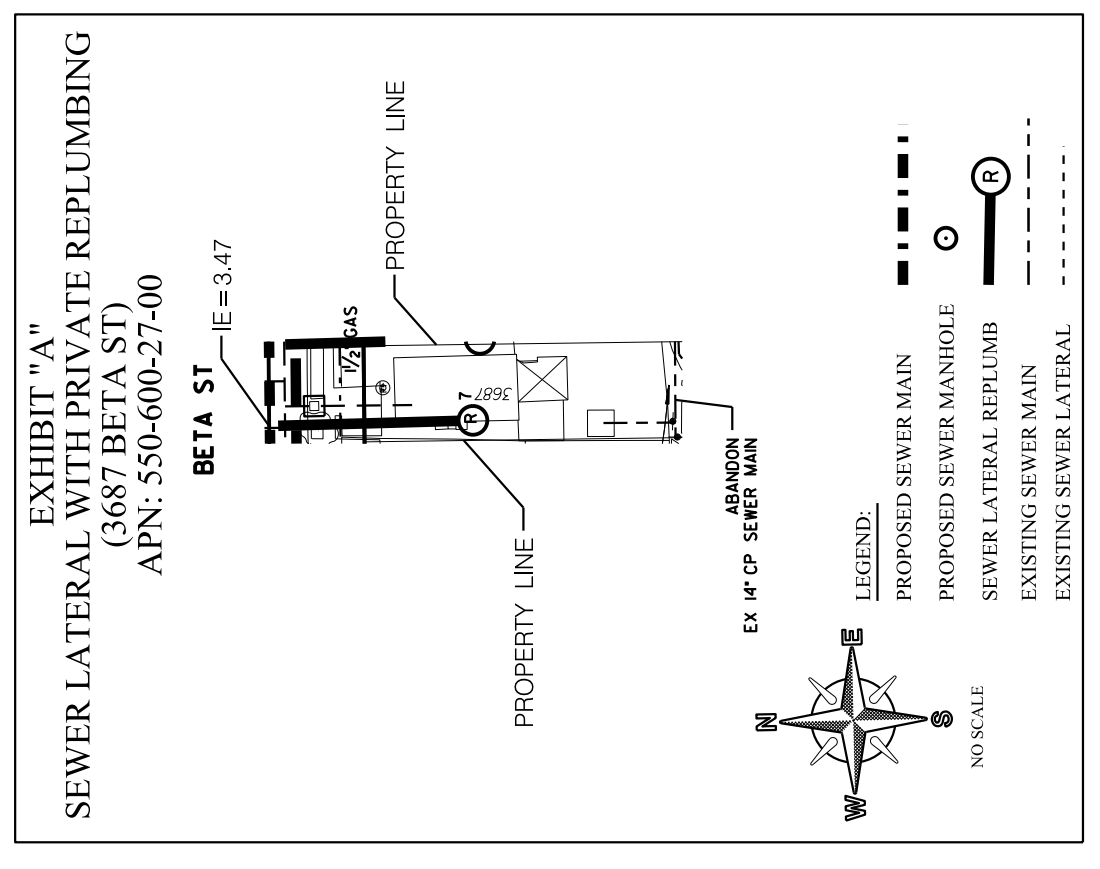
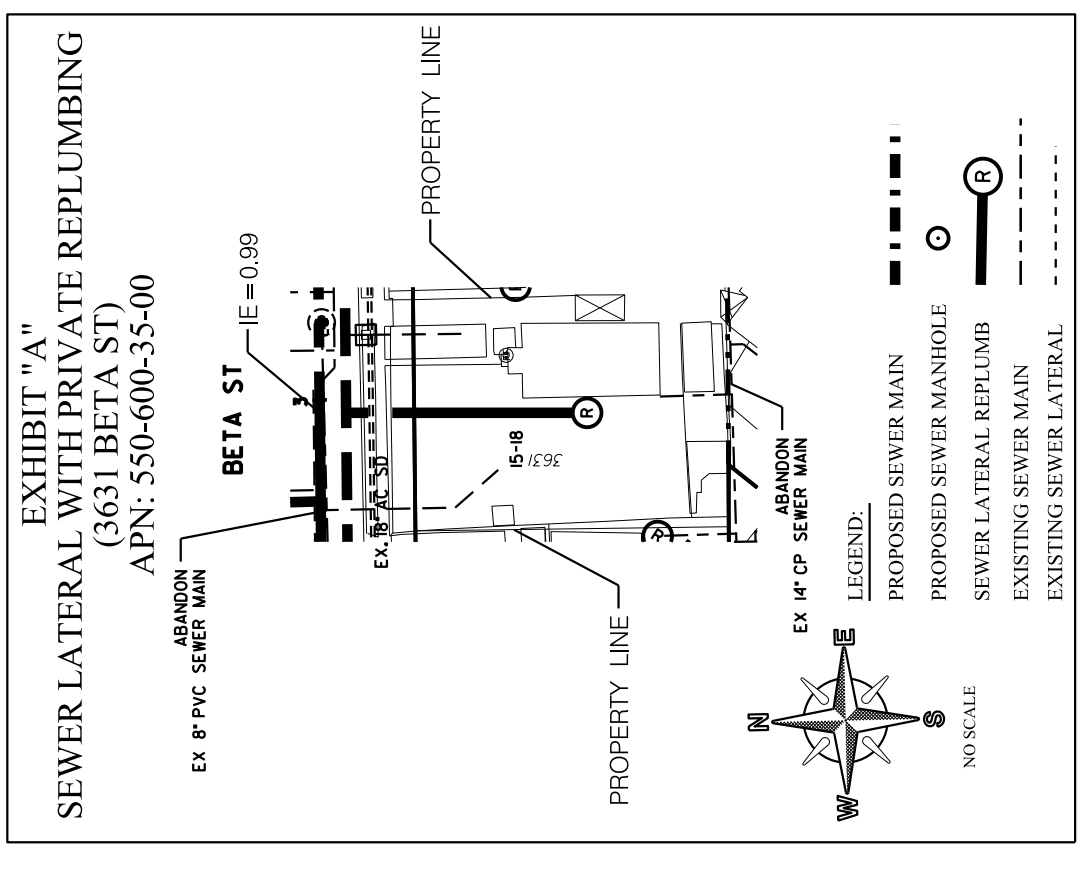
FOR CITY ENGINEER
 PROJECT MANAGER
 JANICE JARO
 DATE C-70770
 PRINT DATE 07/10

DESCRIPTION ORIGINAL BY APPROVED DATE FILMED

ORDERED BY JING DEBELISO
 PROJECT ENGINEER
 SEE SHEETS
 CCS27 COORDINATE
 SEE SHEETS
 CCS83 COORDINATE
 SEE SHEETS
 41388-51-D

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

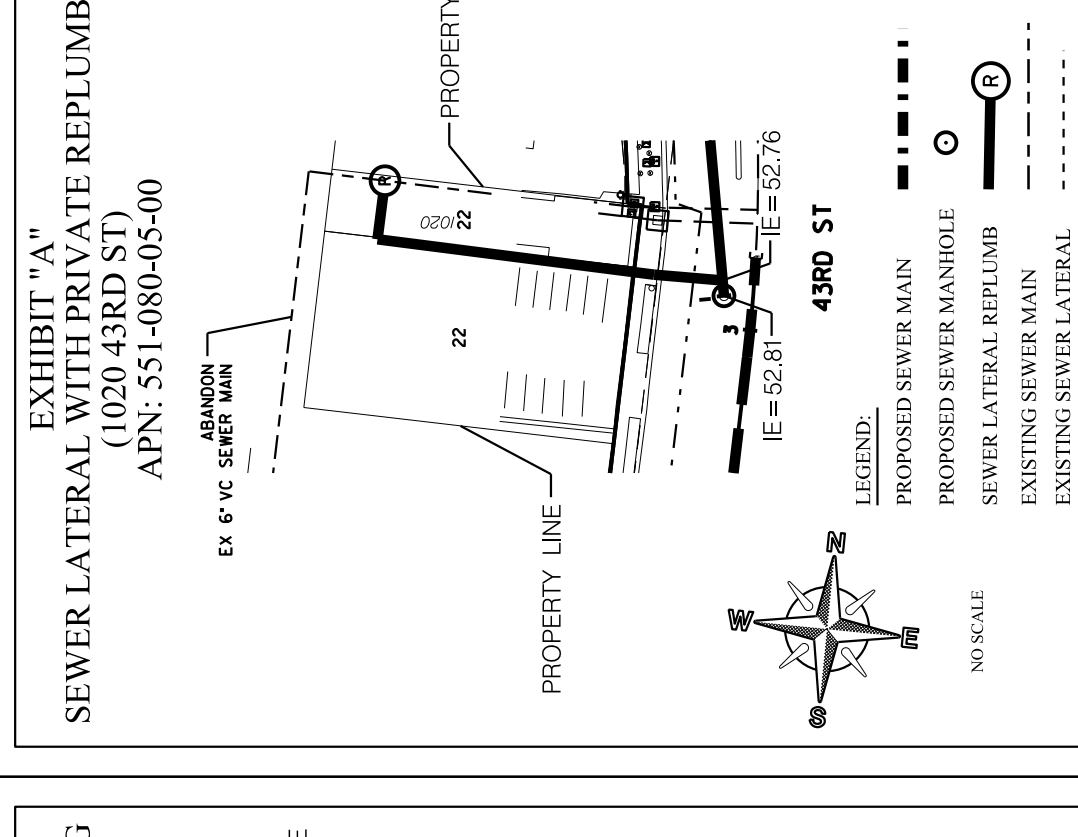
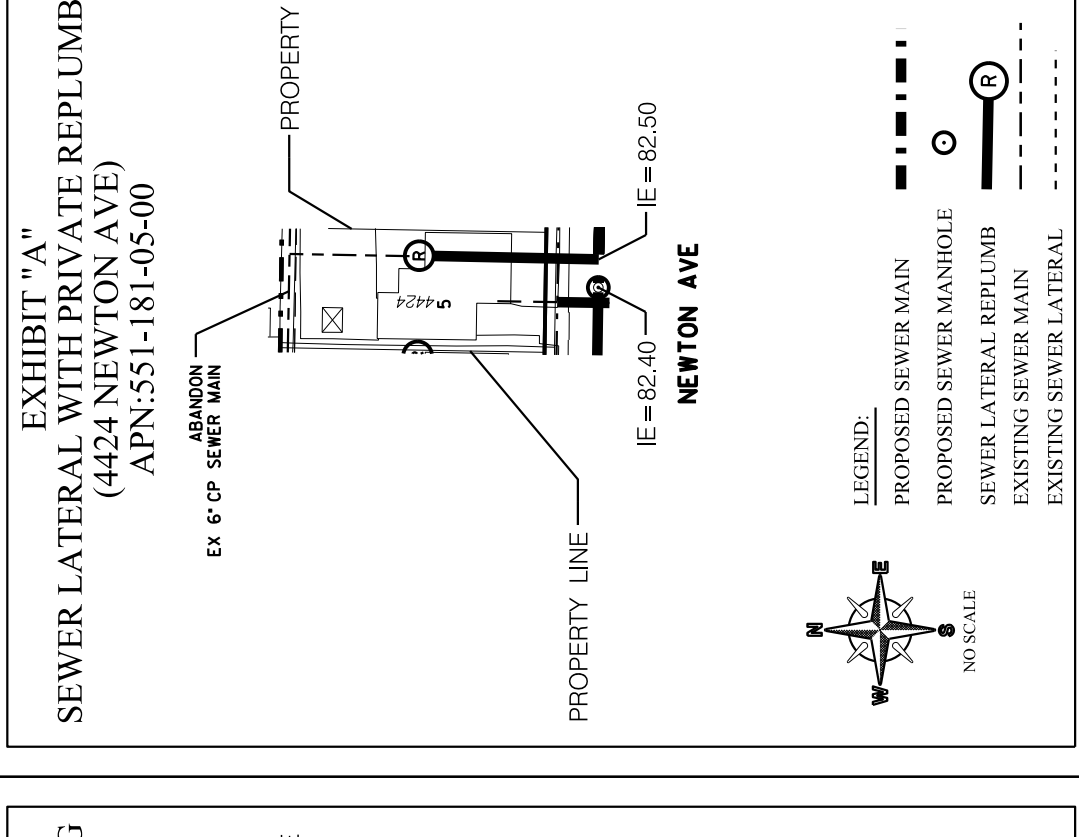
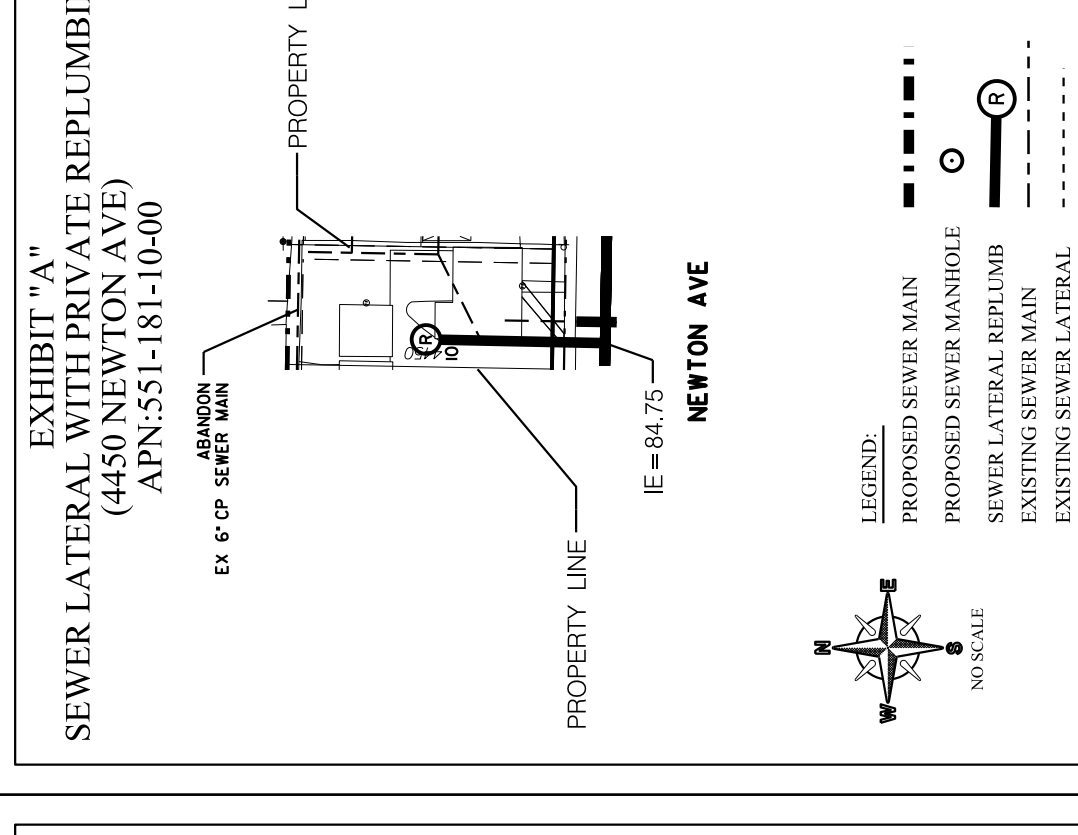
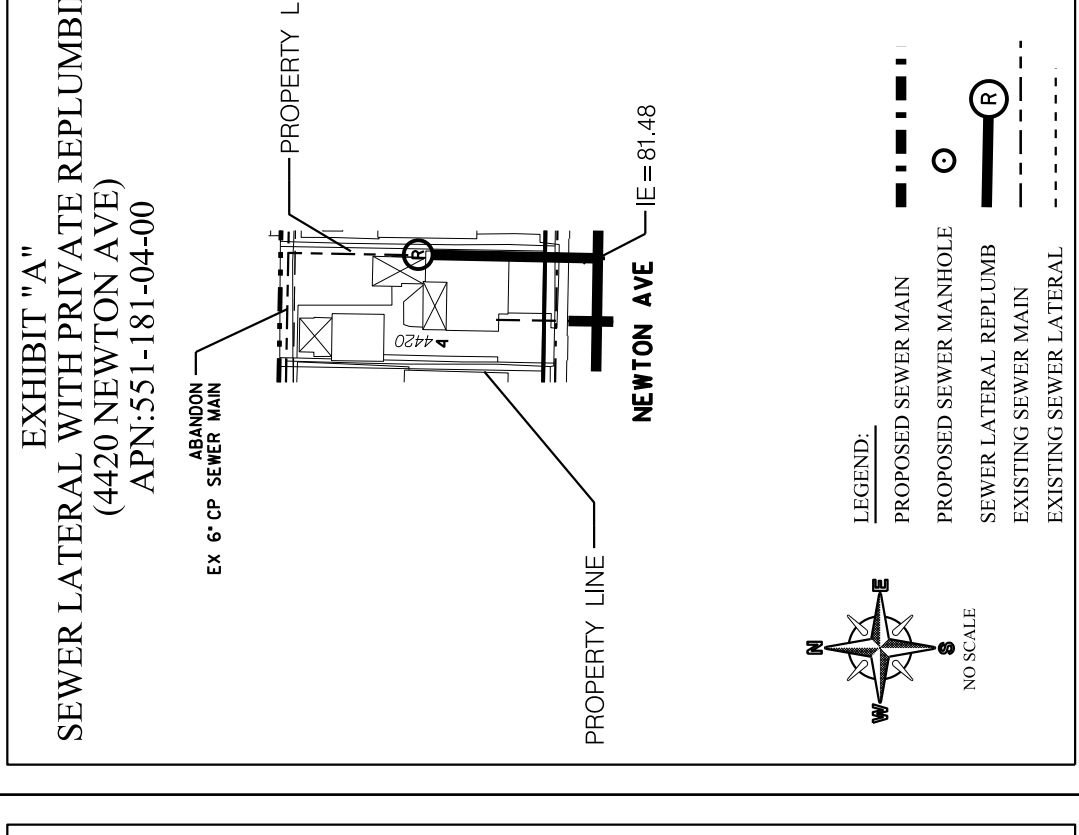
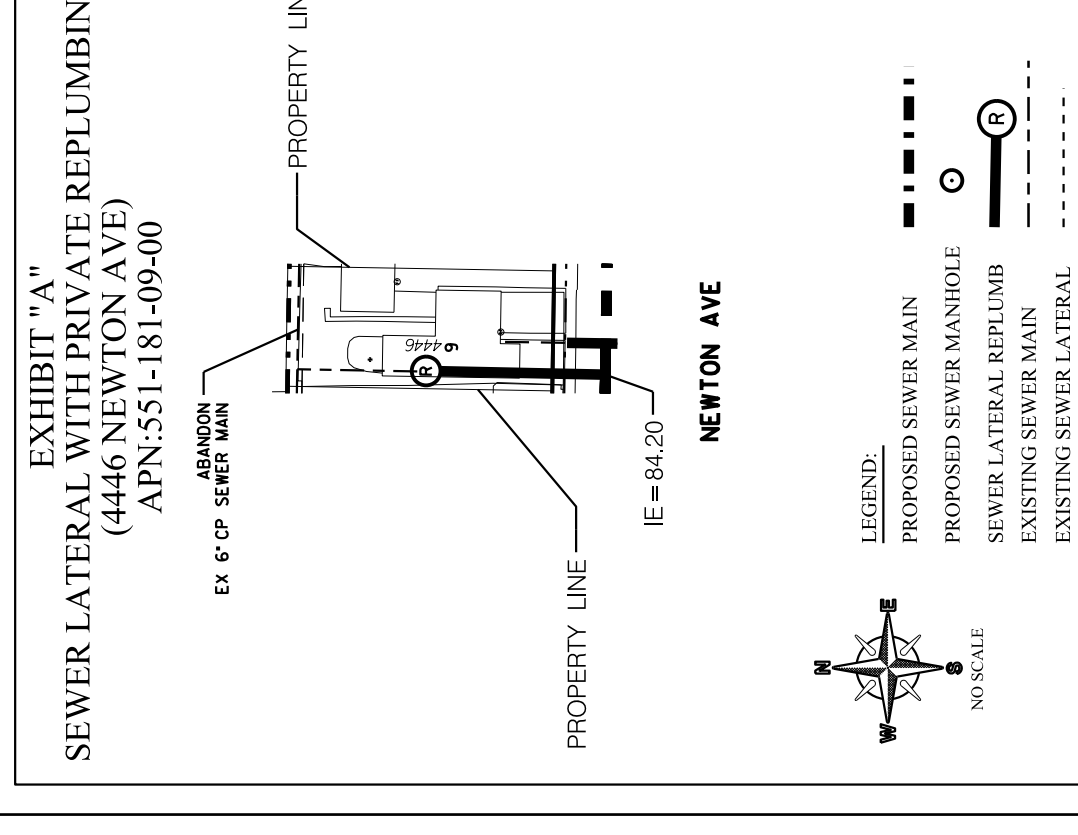
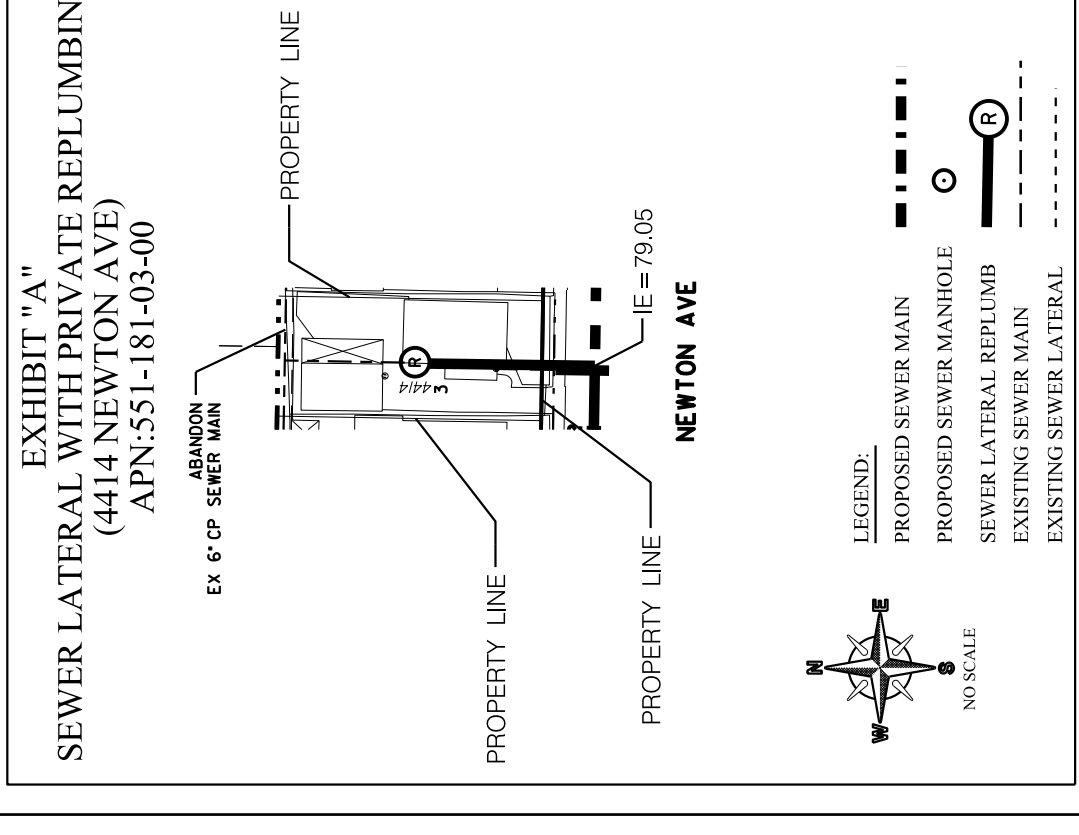
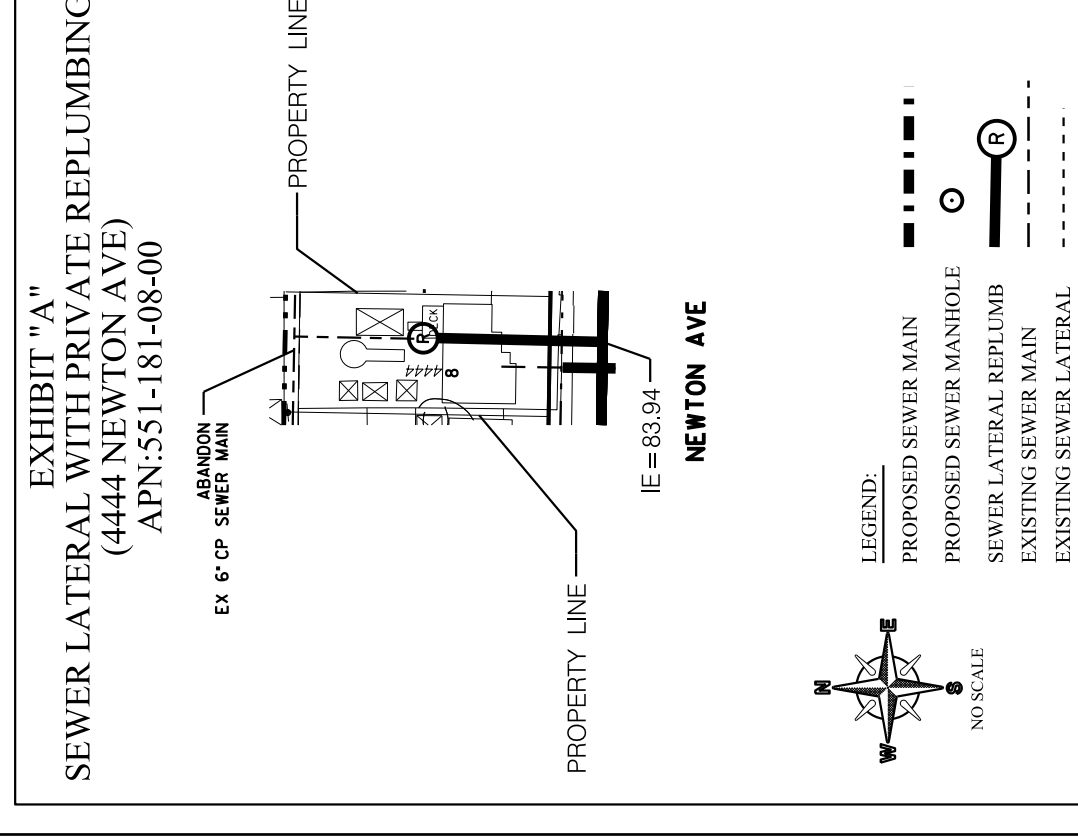
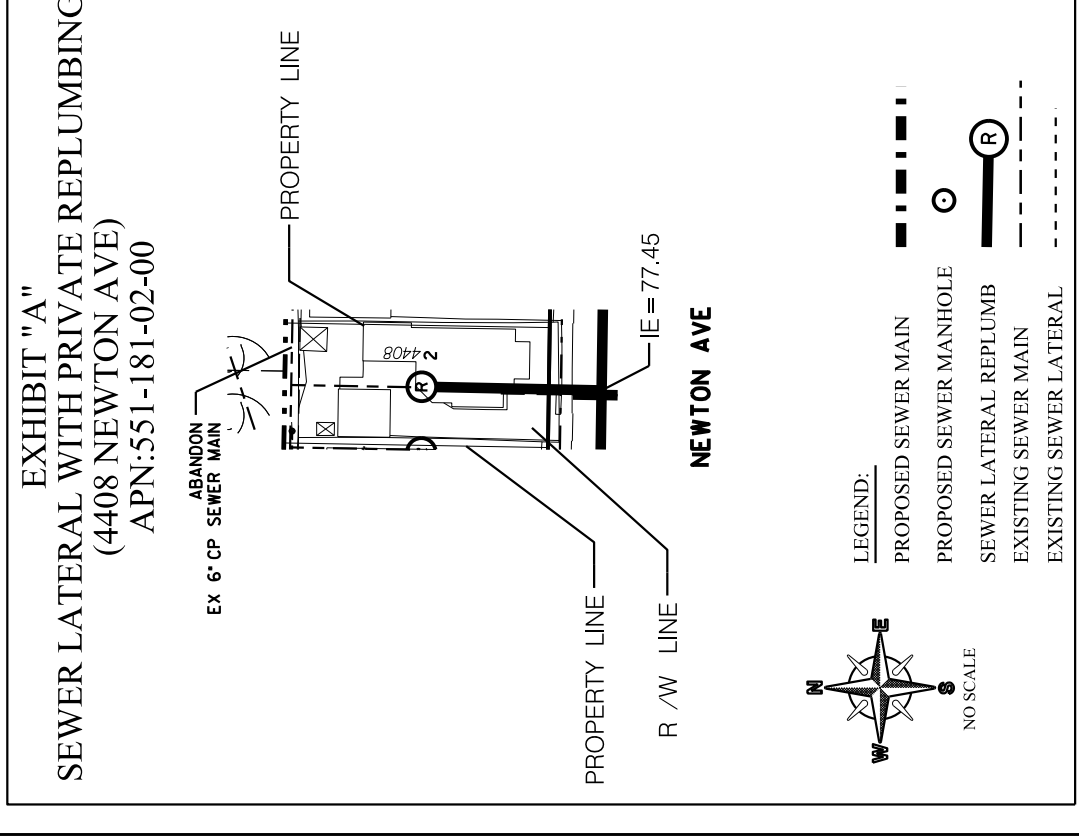
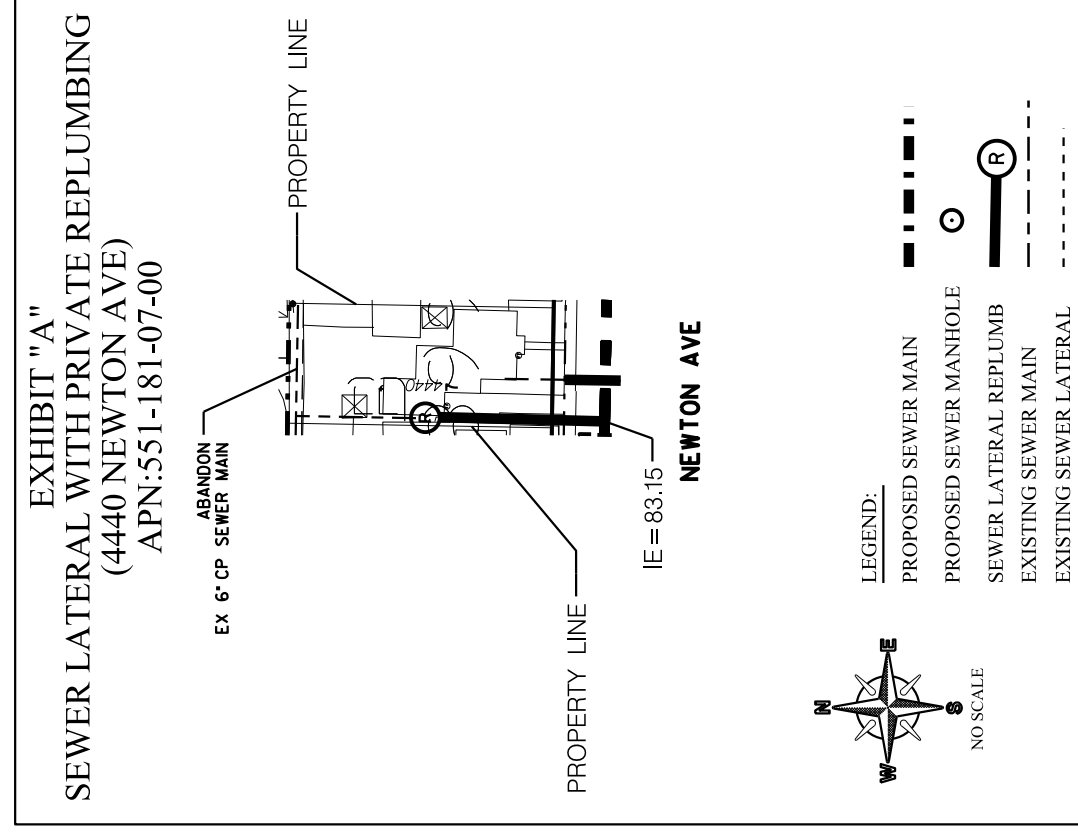
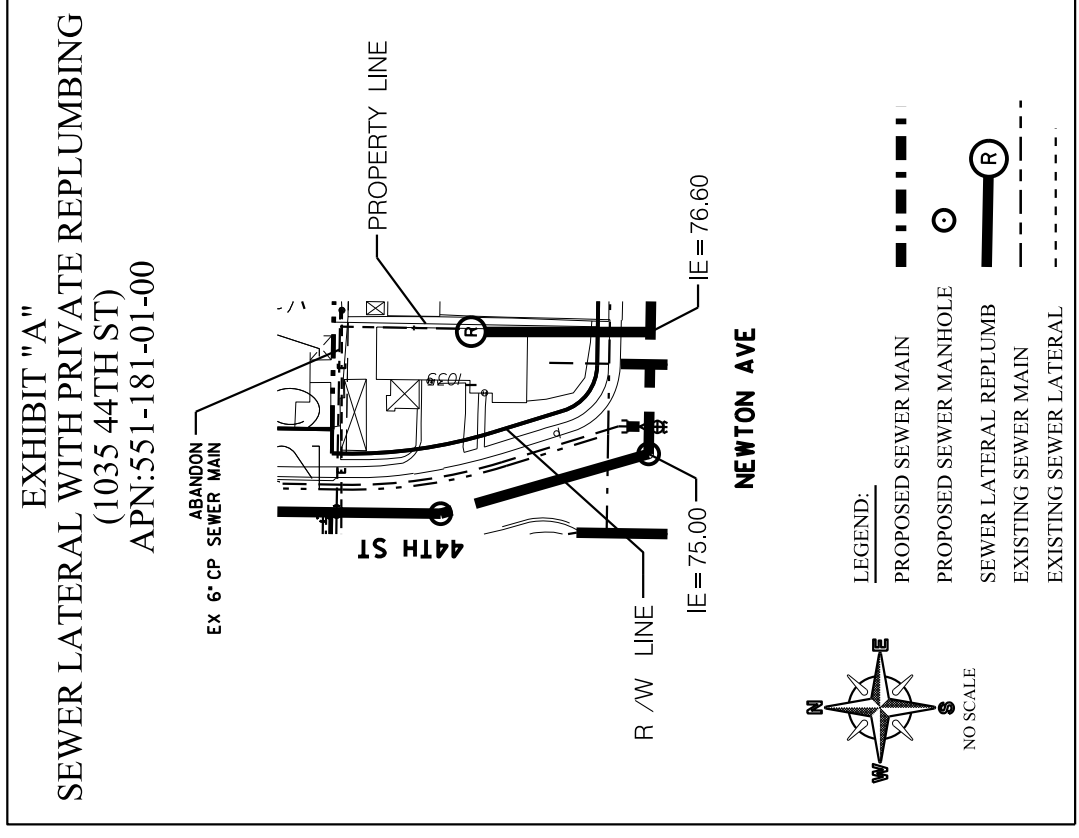
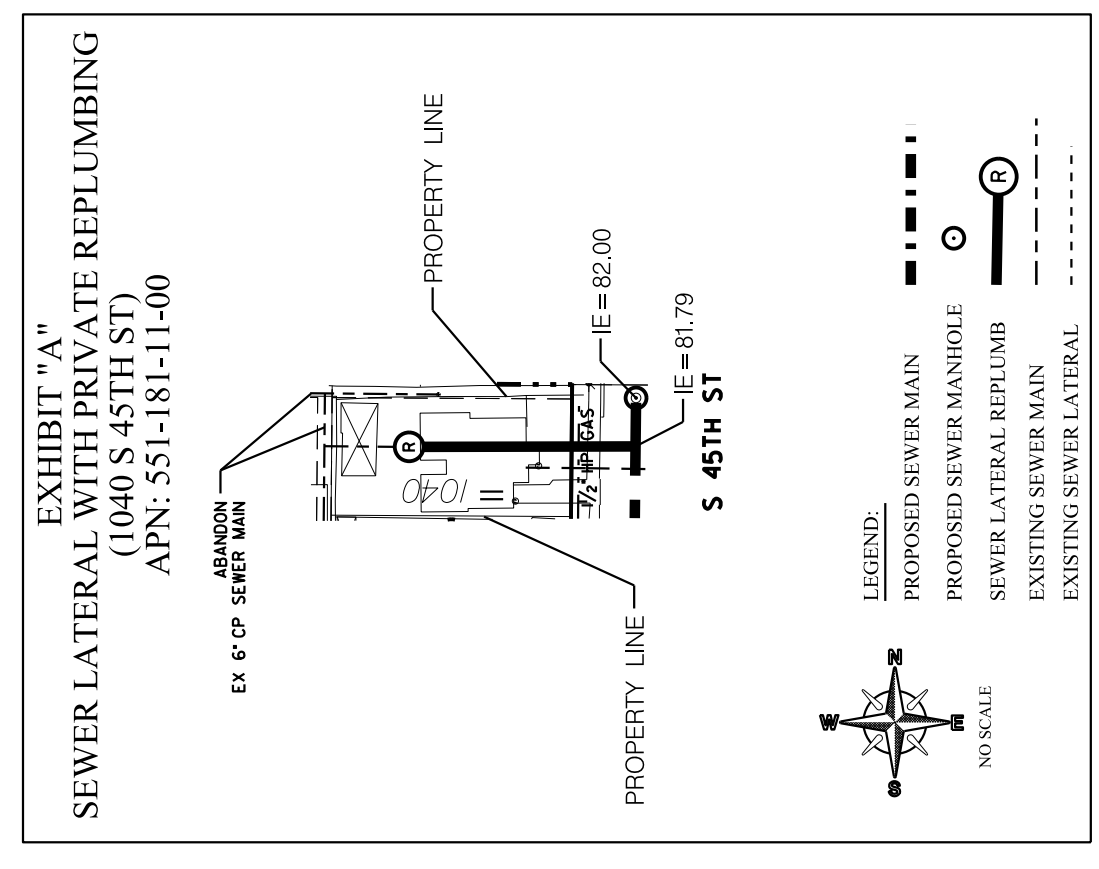
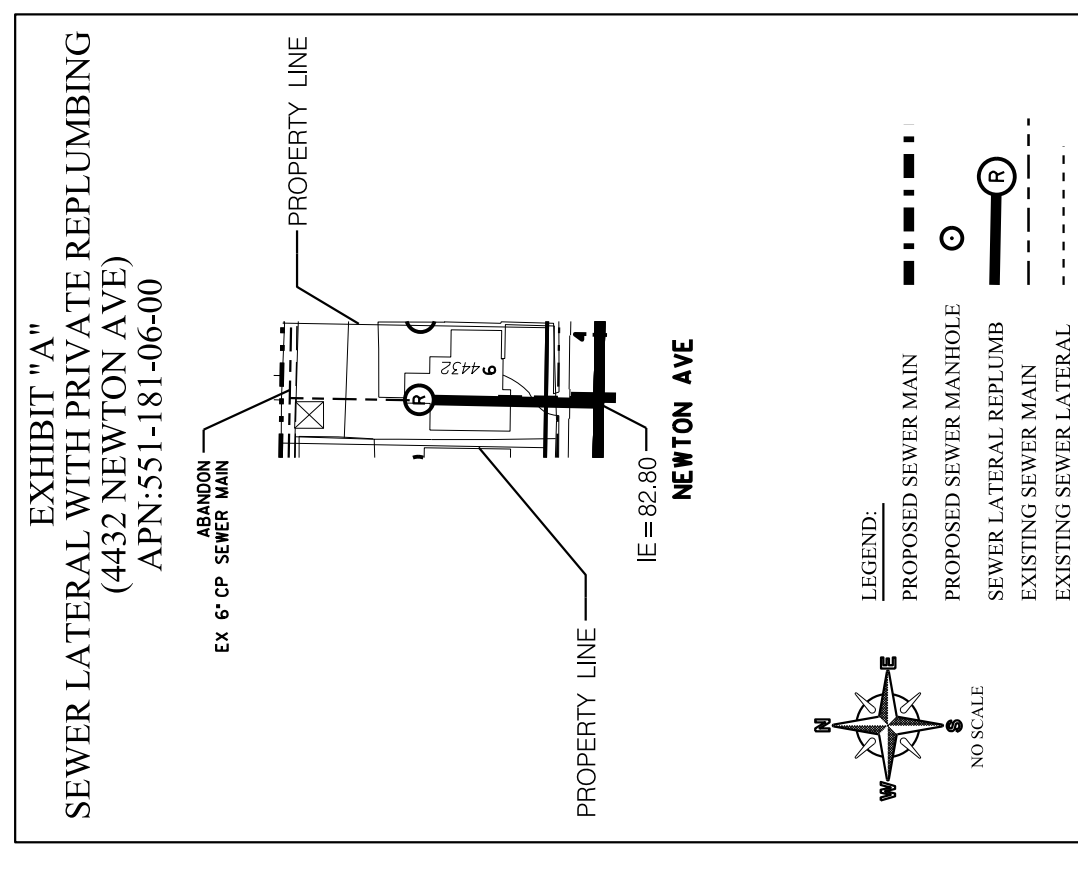
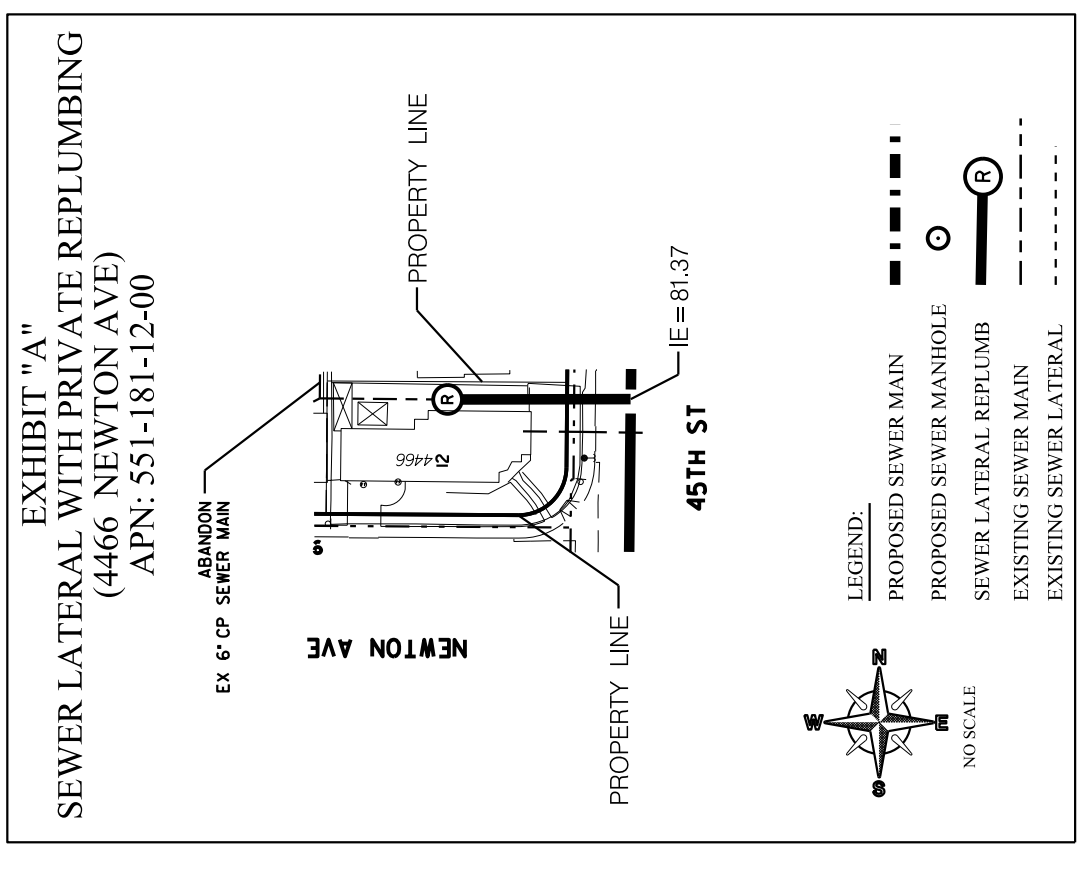
- LEGEND
- PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - EXISTING SEWER MAIN
 - EX MANHOLE
 - ⊙ PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
 - FSN FACILITY SEQUENCE NUMBER



C-49

AC WATER & SEWER GROUP 1052
REPLUMB EXHIBIT

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 52 OF 53 SHEETS	WATER WBS B-18092 SEWER WBS B-18096	PROJECT NO. JOSHUA ADELMAN PROJECT MANAGER	DATE C70770 PAGE #	DATE FILMED
FOR CITY ENGINEER JANICE JARO PRINT DATE	APPROVED BY JING DEBELISO PROJECT ENGINEER	DESCRIPTION ORIGINAL	JD/JW	SEE SHEETS SEE SHEETS
CONTRACTOR				DATE STARTED
INSPECTOR				DATE COMPLETED



C-50

AC WATER & SEWER GROUP 1052
REPLUMB EXHIBIT

CITY OF SAN DIEGO, CALIFORNIA		WATER WBS	B-18092
PUBLIC WORKS DEPARTMENT		SEWER WBS	B-18096
SHEET 53 OF 53 SHEETS		DATE	
APPROVED BY	JOSHUA ADELMAN	PROJECT MANAGER	
FOR CITY ENGINEER	JANICE JARO	DATE	C70770
PRINT DATE TIME		PAGE #	
DESCRIPTION	BY	APPROVED	DATE
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		FILED	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	