

INFORMATION ON DRAWINGS MAY NOT BE ACCURATE, CONSULTANT TO UPDATE BASED ON LATEST AS-BUILTS AND UTILITY INFORMATION (NOTE, STATIONING ON AS-BUILTS ARE DIFFERENT FROM THESE PLAN AND PROFILES, USE RELATIVE STATIONING OR REFERENCE MONUMENTS)

SLIPLINE PITS ARE ILLUSTRATIVE ONLY, CONSULTANT WILL NEED TO DESIGN PIT LOCATIONS.

**ALAMEDA INTERCEPTOR
CONSTITUTION WAY REHABILITATION**

CONTRACT DOCUMENTS

VOLUME III
DRAWINGS

AUGUST 2023
SPECIFICATION SD453



EAST BAY MUNICIPAL UTILITY DISTRICT
SPECIAL DISTRICT NO. 1
OAKLAND, CALIFORNIA

Recommended _____
Garin D. Warren
Manager of Wastewater Engineering Division
R.P.E. No. C65259

Approved _____
Amit Mutsuddy
Director of Wastewater
R.P.E. No. C68285

USER: \$USER\$
DATE: \$DATE\$
FILE: \$FILE\$

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	REV. NO.	DRAWING TITLE
PROJECT DRAWINGS			
1	SD453-G001	0	COVER SHEET
		0	INDEX OF DRAWINGS, GENERAL NOTES, LOCATION AND VICINITY MAP
CIVIL			
2	SD453-W0700-C042	0	ENLARGED PARTIAL SITE PLAN, REHABILITATION LOCATIONS, CIVIL NOTES
3	SD453-W0700-C123	0	PLAN AND PROFILE STA 24+00 TO STA 36+00, MANHOLE S06
4	SD453-W0700-C124	0	PLAN AND PROFILE STA 36+00 TO STA 48+00, MANHOLE S07, S08
5	SD453-W0700-C125	0	PLAN AND PROFILE STA 48+00 TO STA 60+00, MANHOLE S09
6	SD453-W0700-C126	0	PLAN AND PROFILE STA 60+00 TO STA 72+00, MANHOLE S10
7	SD453-W0700-C042	0	MANHOLE A44, A45 & A48
8	SD453-W0700-C042	0	MANHOLE A45A & A46A
MECHANICAL			
9	SD453-M101	0	TEMPORARY SODIUM HYPOCHLORITE FEED SYSTEM
INSTRUMENTATION			
10	SD453-I101	0	TEMPORARY SODIUM HYPOCHLORITE FEED SYSTEM
REFERENCE DRAWINGS			
	VG 480 TO VG 181		ALAMEDA INTERCEPTOR MANHOLE STRUCTURES

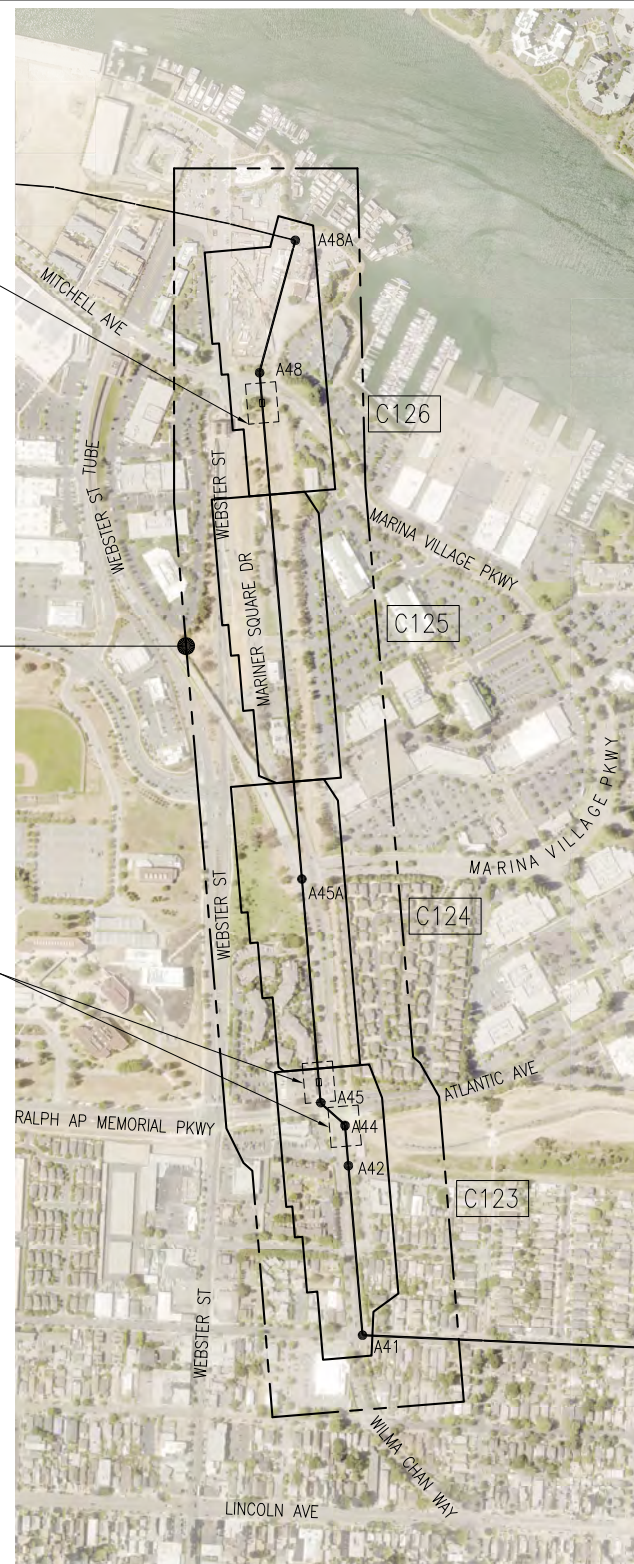
GENERAL NOTES

- ITEMS SHOWN IN BLACK ON DRAWINGS INDICATE WORK UNDER THIS CONTRACT.
- ITEMS SHOWN IN GRAY/SCREENED REFERENCE OTHER DRAWINGS AND MAY BE FOUND IN THE ORIGINAL CONTRACT DOCUMENTS OF PAST PROJECTS.
- NOT ALL EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS, WHICH MAY OR MAY NOT INTERFERE WITH NEW WORK.
- PROJECT DRAWING NUMBERS ARE DEFINED AS FOLLOWS:
SDXXX-AAA.BB-C-XXX.D WHERE:
SDXXX = PROJECT NUMBER (3-DIGIT NUMBER FOLLOWING THE LETTERS 'SD')
AAA = AREA CODE (3-DIGIT ALPHA/NUMERIC NUMBER FOR FACILITY OR AREA) (OMITTED WHEN NOT APPLICABLE)
BB = SUBSTRUCTURE NUMBER (NUMBER FOR STRUCTURE WITHIN FACILITY OR AREA) (OMITTED WHEN NOT APPLICABLE)
C = DISCIPLINE CODE LETTER
A - ARCHITECTURAL I - INSTRUMENTATION (P&ID)
C - CIVIL L - LANDSCAPE
E - ELECTRICAL M - MECHANICAL
G - GENERAL S - STRUCTURAL
XXX = SERIAL NUMBER (MAY INCLUDE A DECIMAL AND/OR LETTER SUFFIX)
D = ADDITIONAL INFORMATION CODE LETTER
D - DEMOLITION DRAWING (OMITTED WHEN NOT APPLICABLE)
- AREA CODES AND SUBSTRUCTURE NUMBERS ARE DEFINED AS FOLLOWS:
SD392 - MULTIPLE PROJECT AREAS
W06 - SOUTH INTERCEPTOR
- IF A CALL-OUT REFERENCES A DRAWING WITH THE SAME AREA CODE AND SUBSTRUCTURE NUMBER, THE AREA CODE AND SUBSTRUCTURE NUMBER MAY BE OMITTED. ONLY THE DISCIPLINE CODE AND SERIAL NUMBER WILL BE SHOWN.
- REFERENCE DRAWINGS ARE INCLUDED TO PROVIDE INFORMATION ABOUT EXISTING CONDITIONS. REFERENCE DRAWINGS DO NOT CONTAIN INSTRUCTIONS FOR THIS PROJECT. ADDITIONALLY, ONLY SPECIFIC DRAWINGS/DETAILS CALLED OUT BY THE SD379A PROJECT DRAWINGS SHALL BE USED TO EVALUATE EXISTING CONDITIONS; OTHER INFORMATION SHOWN MAY OR MAY NOT BE CURRENT. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING INFORMATION AS REQUIRED.

POTENTIAL JACKING PIT LOCATIONS

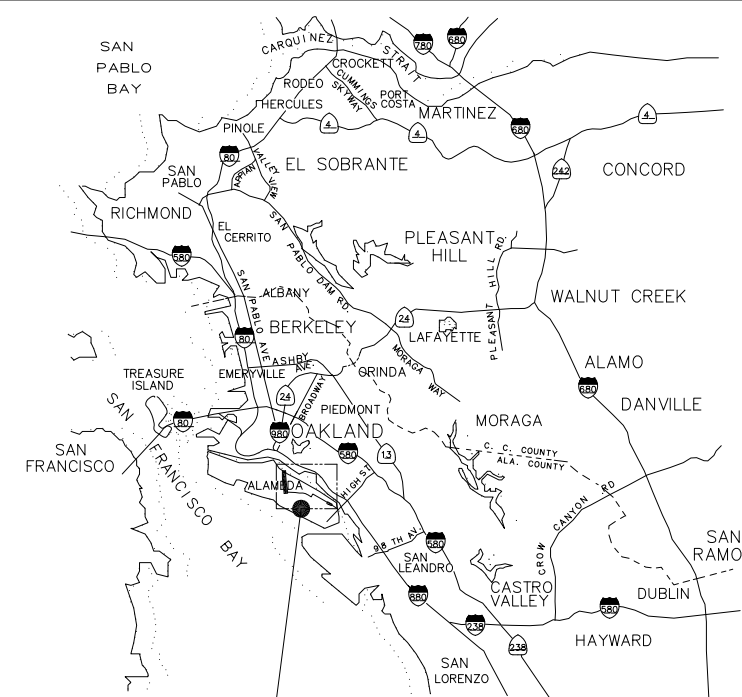
JOB SITE
SEE DWG W0700-C123 TO C126

POTENTIAL JACKING PIT LOCATIONS



PROJECT SITE

LOCATION MAP



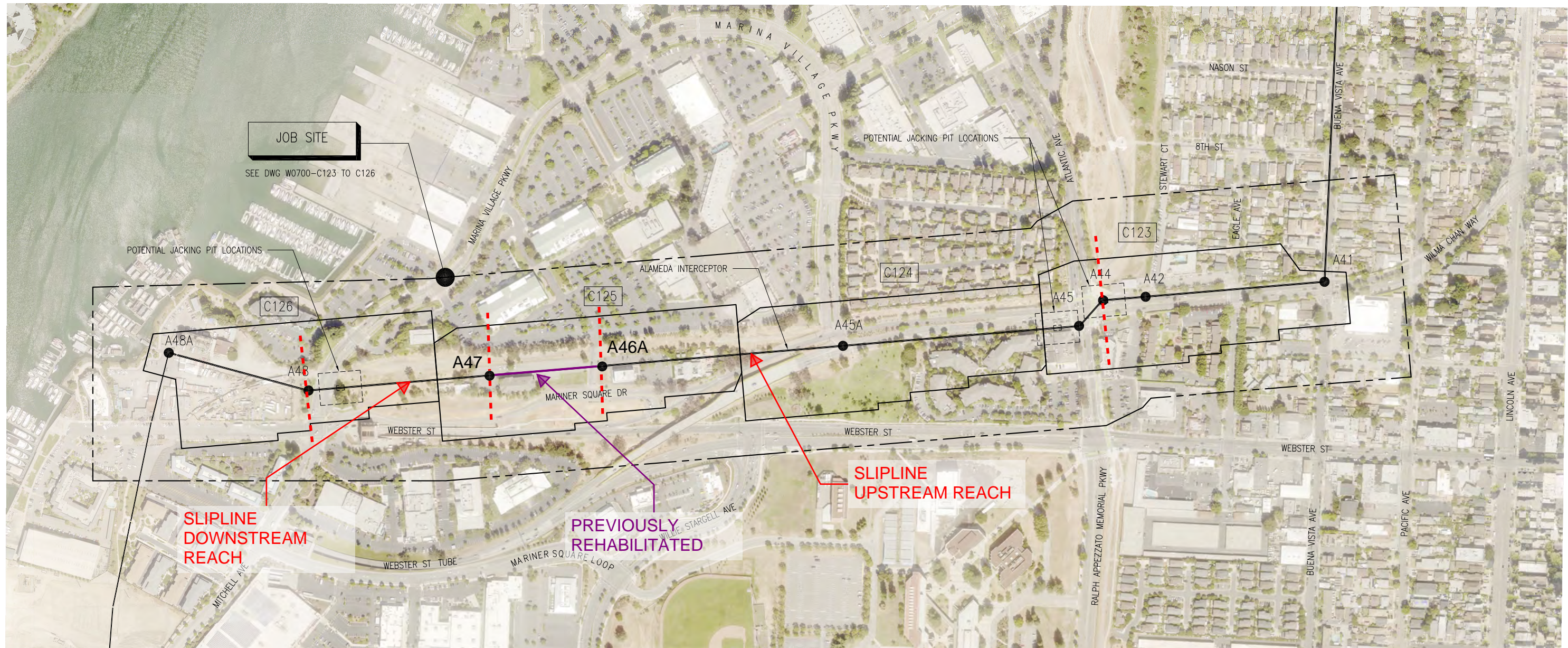
JOB SITE
PUMP STATION D
2018 OAK ST., ALAMEDA CA

VICINITY MAP



NO.	DATE	REVISION	BY	REC.	APP.

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY:	J. BARNES	ALAMEDA INTERCEPTOR	
DRAWN BY:	E. DIFUNTORUM		
DESIGN CHECKED BY:	R.P.E. No.	GENERAL GENERAL NOTES, DRAWING INDEX, LOCATION AND VICINITY MAPS	
PROJECT MANAGER	R.P.E. No.		
APPROVED:	PRINCIPAL IN CHARGE	SHEET NO. 1	
PROJECT MANAGER	R.P.E. No.		
RECOMMENDED:	SR. ENGINEER	SCALE 1"=1'-0"	SD453-G001
	R.P.E. No.	DATE JUNE 2023	DRAWING NUMBER



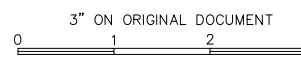
ENLARGED PARTIAL SITE PLAN

GENERAL CIVIL NOTES

1. THE CONTRACTOR SHALL PROVIDE THE MEANS AND METHODS TO PROTECT ALL EXIST IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL RESTORE, AT CONTRACTOR'S EXPENSE, DAMAGED OR TEMPORARILY RELOCATED IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN THEY WERE PRIOR TO SUCH DAMAGE OR TEMPORARY RELOCATION TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH CONTRACT DOCUMENTS AND THE REQUIREMENTS OF THE OWNERS OF THE IMPROVEMENTS.
2. STATIONS SHOWN IN THE DRAWINGS ARE BASED ON THE PROJECT MAPPING. SURVEY STATIONS SHOWN FOR MANHOLES REFER TO THE CENTERLINES OF THE MANHOLE STRUCTURES. STATIONS SHOWN IN PARENTHESES ARE TAKEN DIRECTLY FROM RECORD DRAWINGS OF THE ORIGINAL CONSTRUCTION AND DO NOT REFLECT CHANGES RESULTING FROM DESIGN STATION EQUATIONS NOR FROM CHANGES DURING CONSTRUCTION.
3. AERIAL MAPPING WAS COMPLETED IN 2023. ADDITIONAL IMPROVEMENTS MAY HAVE BEEN MADE SINCE THE EXISTING CONDITIONS MAPS WERE PREPARED. CONTRACTOR SHALL FIELD VERIFY SURFACE CONDITIONS PRIOR TO BID AND CONSTRUCTION.
4. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM REGULATORY AGENCIES THAT ARE NOT ALREADY PROVIDED BY THE DISTRICT.
5. PIPE LENGTHS SHOWN IN THE PLANS ARE THE APPROXIMATE HORIZONTAL DISTANCES BETWEEN CENTER LINE OF MANHOLES.
6. SETTLEMENT OF EXCAVATION PAVEMENT ASSOCIATED WITH THE WORK OCCURRING WITHIN A PERIOD OF ONE YEAR AFTER COMPLETION OF THE WORK SHALL BE REPAVED AND RESURFACED TO CORRECT GRADE AND SUBGRADE DEFICIENCIES, AT CONTRACTOR'S OWN EXPENSE. THIS REWORK SHALL BE TO THE SATISFACTION OF THE CITY AND DISTRICT.

7. CONTRACTOR SHALL NOT REUSE MANHOLE FRAMES AND COVERS.
8. ALL EXISTING DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES. ALL EXISTING DIMENSIONS SHALL BE FIELD VERIFIED BEFORE ORDERING OR FABRICATING ANY MATERIAL. RECORD DRAWINGS ARE AVAILABLE AT DISTRICT OFFICE FOR CONTRACTOR INFORMATION.
9. CONTRACTOR SHALL COMPLY WITH THE FOLLOWING:
 WARNING: SEWERS ARE KNOWN TO HAVE HIGH CONCENTRATIONS OF HAZARDOUS GASES. ATMOSPHERES IN SEWERS MAY ALSO HAVE LOW OXYGEN LEVELS AND EXPLOSIVE GASES. CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AND ALL NECESSARY PRECAUTIONS.
 WARNING: THE WASTEWATER CONTAINS INFECTIOUS DISEASE VECTORS. CONTRACTOR SHALL PROTECT AGAINST HUMAN CONTACT WITH THE WASTEWATER AND PROVIDE SUITABLE CLEAN UP FACILITIES FOR ITS WORKERS, AND DISTRICT PERSONNEL.
 WARNING: WASTEWATER FLOW IS SUBJECT TO RAPID INCREASES AND DECREASES IN RATE DUE TO OPERATION OF PUMP STATIONS, DIURNAL FLOWS, AND WET WEATHER. CHANGES IN FLOW CAN BE ACCOMPANIED BY CHANGES IN HAZARDOUS GAS LEVELS.
 WARNING: CONCRETE SEWERS ARE CORRODED AND LOOSE CONCRETE MAY FALL.

10. UNDERGROUND UTILITIES SHOWN ARE INCOMPLETE. CONTRACTOR SHALL NOTIFY USA AND CALTRANS (WHERE APPLICABLE) AT LEAST FOUR DAYS PRIOR TO ANY EXCAVATION TO OBTAIN FIELD MARKUPS. CONTRACTOR SHALL POTHOLE AND PROTECT EXISTING UTILITIES.
11. LATERALS FROM COMMUNITY SEWER SYSTEM EXIST AT MANHOLES AND AT LOCATIONS IN BETWEEN MANHOLES. ALL FIELD CONDITIONS SHALL BE VERIFIED BEFORE ORDERING OR FABRICATING ANY MATERIALS.
12. INTERCEPTOR MH HAVE SURVEY MONUMENTS LOCATED NEARBY. CONTRACTOR SHALL PROTECT MONUMENTS. DISTURBED MONUMENTS SHALL BE REFERENCED AND RE-ESTABLISHED BY A LICENSED LAND SURVEYOR.
13. THE DATUM FOR VERTICAL CONTROL IS NGVD29 MINUS 100-FT.



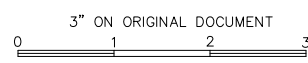
NO.	DATE	REVISION	BY	REC.	APP.

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA
DESIGN BY:	J. BARNES	
DRAWN BY:	E. DIFUNTORUM	ALAMEDA INTERCEPTOR
DESIGN CHECKED BY:	R.P.E. No.	
PROJECT MANAGER:	R.P.E. No.	GENERAL ENLARGED PARTIAL SITE PLAN GENERAL CIVIL NOTES
APPROVED:	PRINCIPAL IN CHARGE	
PROJECT MANAGER:	R.P.E. No.	SHEET NO. 1
RECOMMENDED:	SR. ENGINEER	
R.P.E. No.		SCALE 1"=1'-0"
		DATE JUNE 2023
		SD453-W0700-C042
		DRAWING NUMBER
		0

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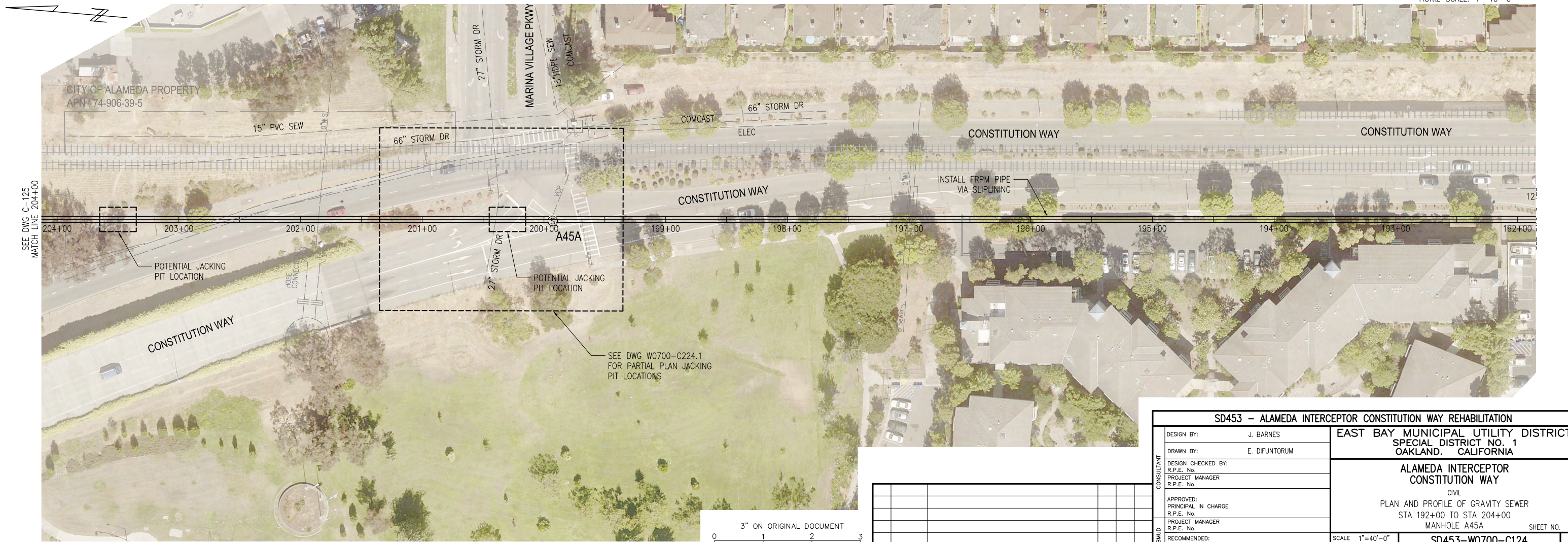
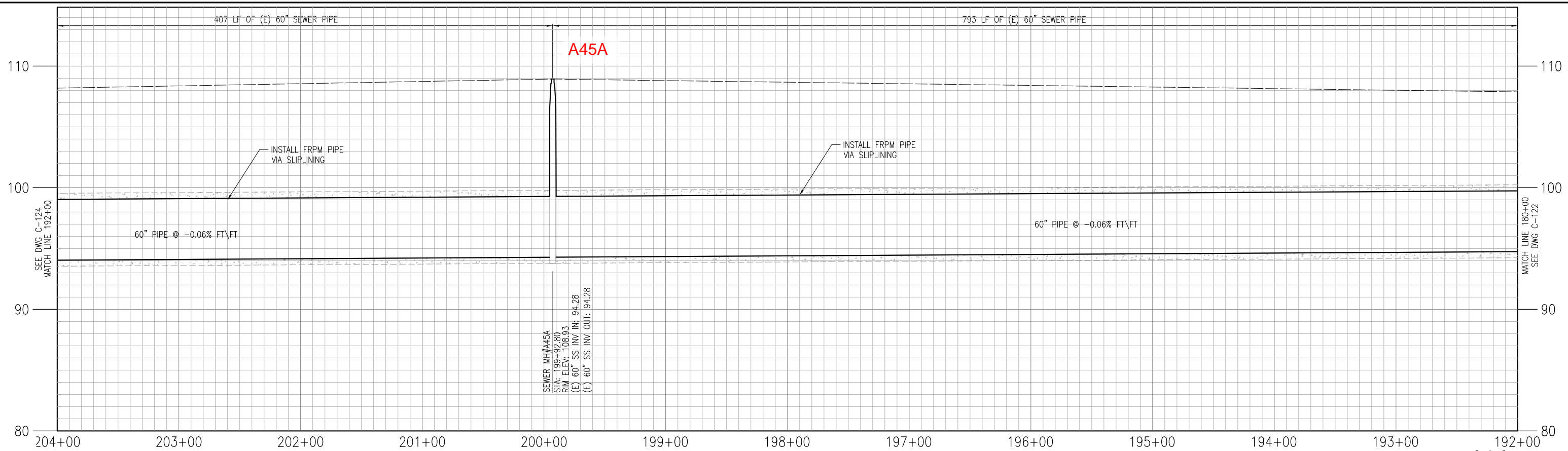
VERT SCALE: 1"=4'-0"
 HORIZ SCALE: 1"=40'-0"



NO.	DATE	REVISION	BY	REC.	APP.

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY: J. BARNES	PROJECT MANAGER R.P.E. No.		
DRAWN BY: E. DIFUNTORUM	APPROVED: PRINCIPAL IN CHARGE R.P.E. No.		
DESIGN CHECKED BY: R.P.E. No.	PROJECT MANAGER R.P.E. No.		
RECOMMENDED: SR. ENGINEER R.P.E. No.	SCALE 1"=40'-0" DATE JUNE 2023		
ALAMEDA INTERCEPTOR CONSTITUTION WAY		SD453-W0700-C123	
CIVIL PLAN AND PROFILE OF GRAVITY SEWER STA 180+00 TO STA 192+00 MANHOLE A41, A42, A44, A45		SHEET NO. 24 DRAWING NUMBER	

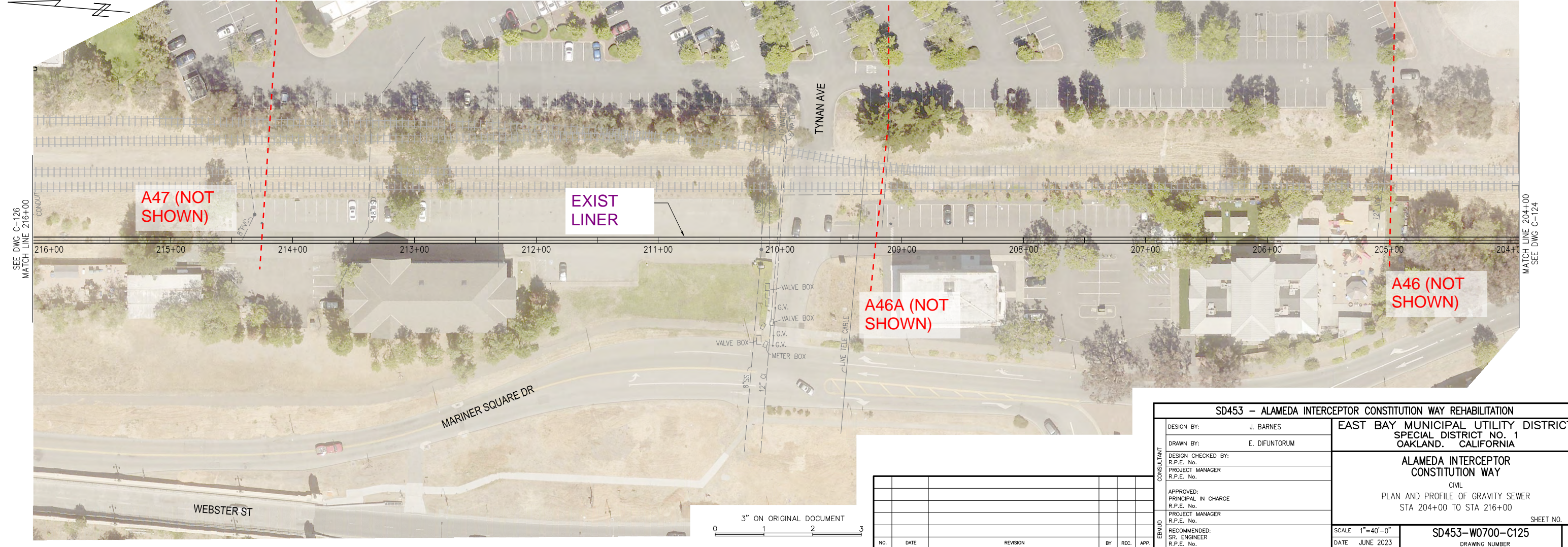
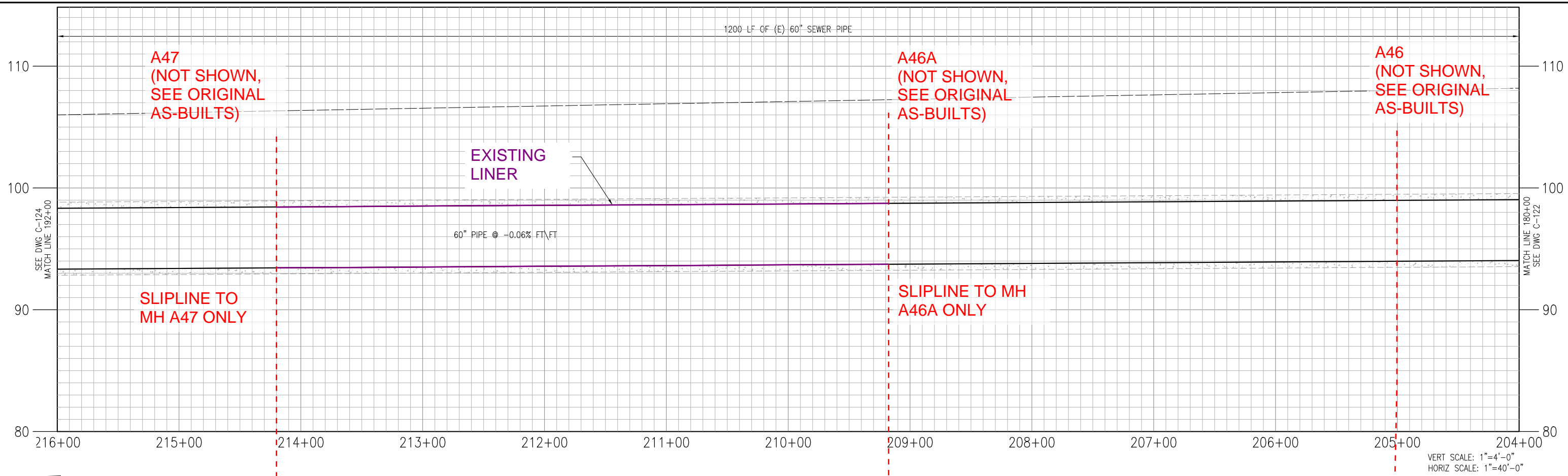
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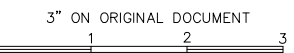
SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY:	J. BARNES	ALAMEDA INTERCEPTOR CONSTITUTION WAY CIVIL PLAN AND PROFILE OF GRAVITY SEWER STA 192+00 TO STA 204+00 MANHOLE A45A	
DRAWN BY:	E. DIFUNTORUM		
DESIGN CHECKED BY:		SCALE 1"=40'-0" DATE JUNE 2023	
PROJECT MANAGER			
APPROVED:		SD453-W0700-C124 DRAWING NUMBER	
PRINCIPAL IN CHARGE			
PROJECT MANAGER		SHEET NO. -	
SR. ENGINEER			
RECOMMENDED:			
SR. ENGINEER			
R.P.E. No.			

NO.	DATE	REVISION	BY	REC.	APP.

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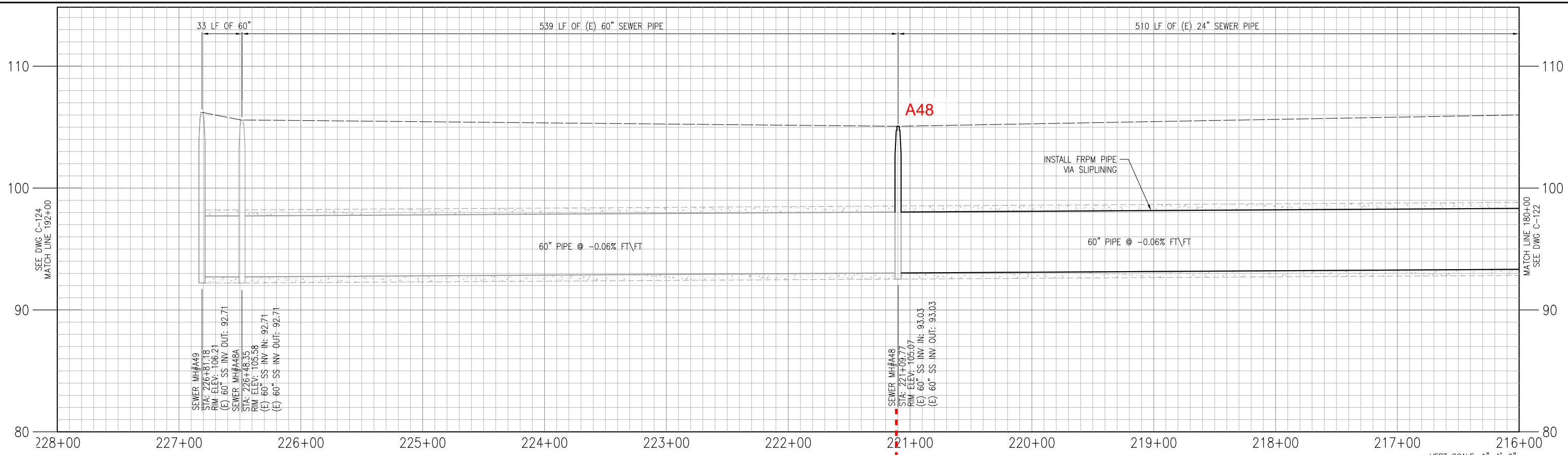


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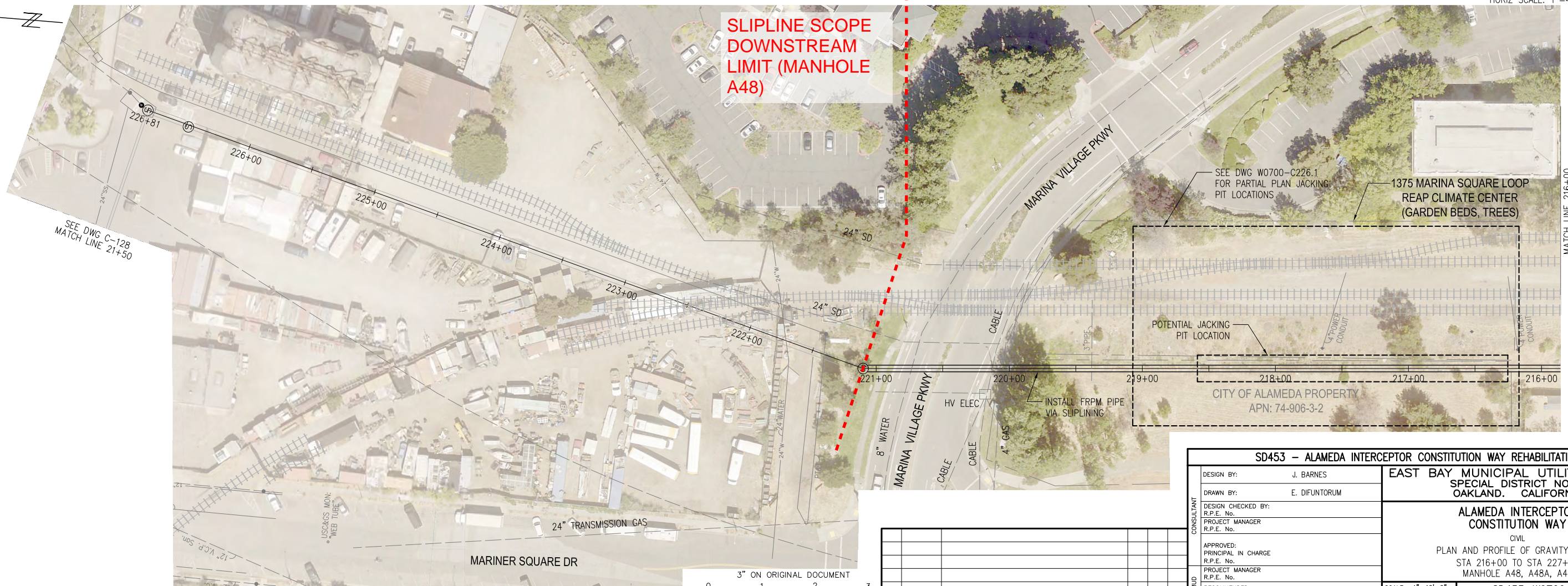


NO.	DATE	REVISION	BY	REC.	APP.

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA
DESIGN BY:	J. BARNES	
DRAWN BY:	E. DIFUNTORUM	ALAMEDA INTERCEPTOR CONSTITUTION WAY CIVIL PLAN AND PROFILE OF GRAVITY SEWER STA 204+00 TO STA 216+00
DESIGN CHECKED BY:	R.P.E. No.	
PROJECT MANAGER	R.P.E. No.	
APPROVED:	PRINCIPAL IN CHARGE	
RECOMMENDED:	SR. ENGINEER	SCALE 1"=40'-0"
		DATE JUNE 2023
		SD453-W0700-C125
		DRAWING NUMBER
		SHEET NO. -



VERT SCALE: 1"=4'-0"
 HORIZ SCALE: 1"=40'-0"



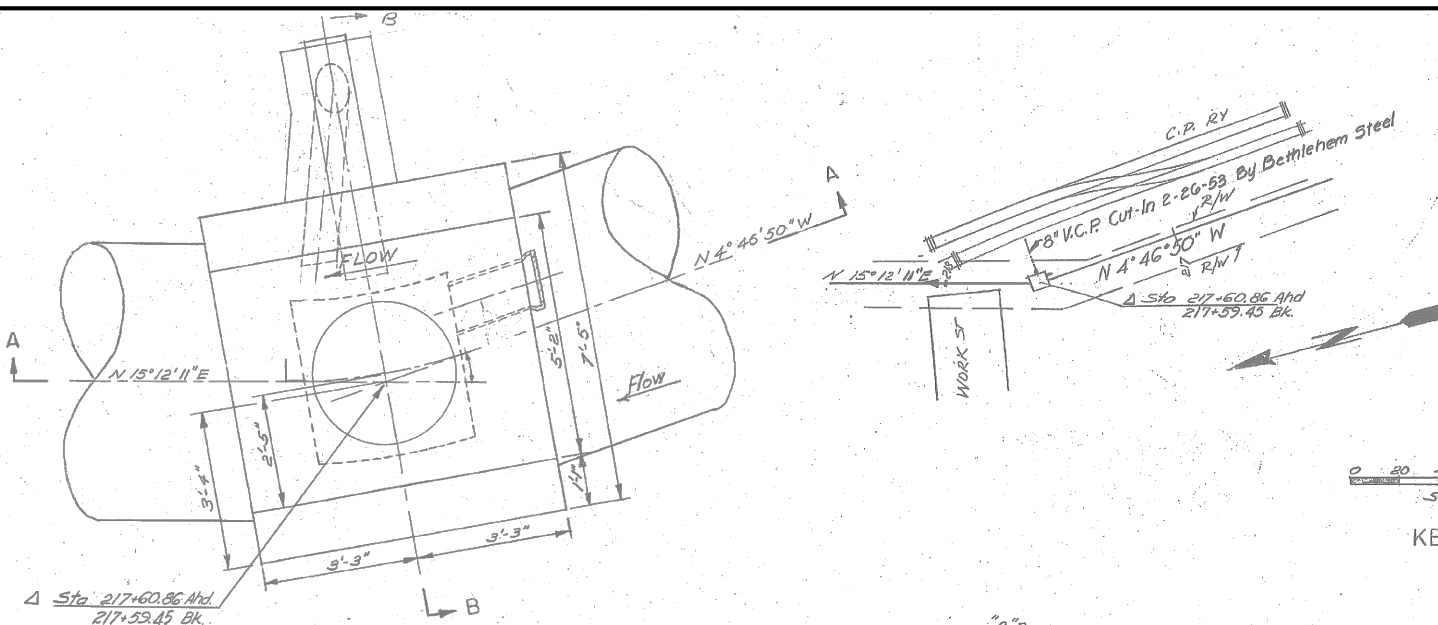
**SLIPLINE SCOPE
 DOWNSTREAM
 LIMIT (MANHOLE
 A48)**

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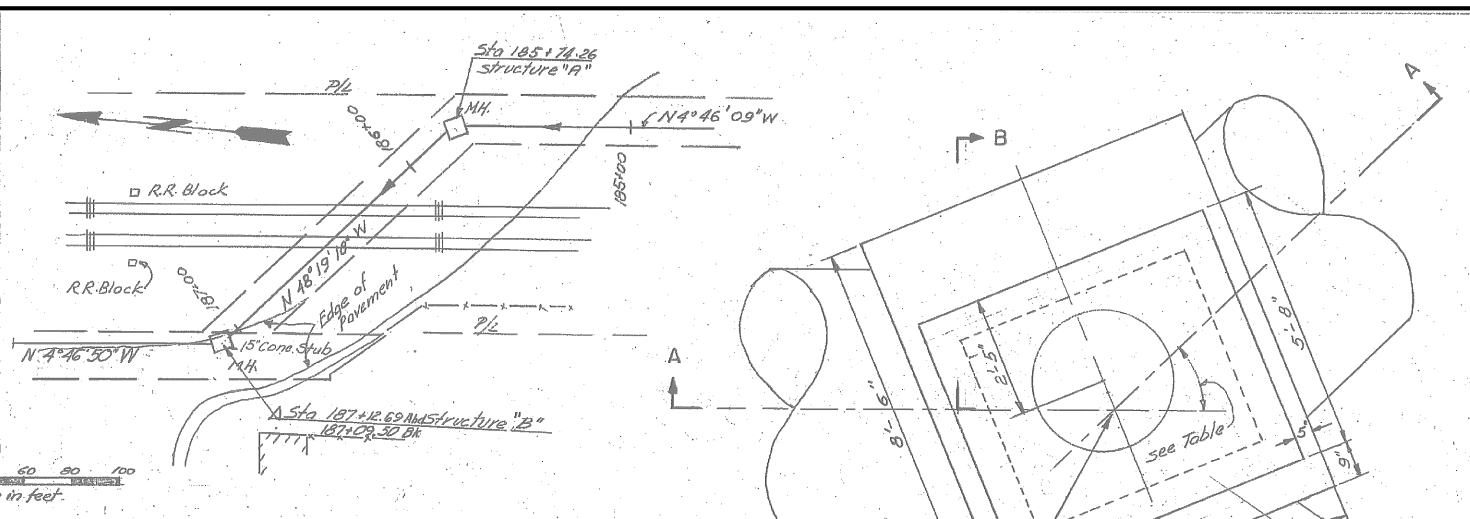
NO.	DATE	REVISION	BY	REC.	APP.

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY: J. BARNES	PROJECT MANAGER R.P.E. No.	ALAMEDA INTERCEPTOR CONSTITUTION WAY	
DRAWN BY: E. DIFUNTORUM	PROJECT MANAGER R.P.E. No.	CIVIL PLAN AND PROFILE OF GRAVITY SEWER	
DESIGN CHECKED BY: R.P.E. No.	PROJECT MANAGER R.P.E. No.	STA 216+00 TO STA 227+00 MANHOLE A48, A48A, A49	
APPROVED: PRINCIPAL IN CHARGE R.P.E. No.	PROJECT MANAGER R.P.E. No.	SCALE 1"=40'-0"	SHEET NO. -
RECOMMENDED: SR. ENGINEER R.P.E. No.	PROJECT MANAGER R.P.E. No.	DATE JUNE 2023	SD453-W0700-C126 DRAWING NUMBER

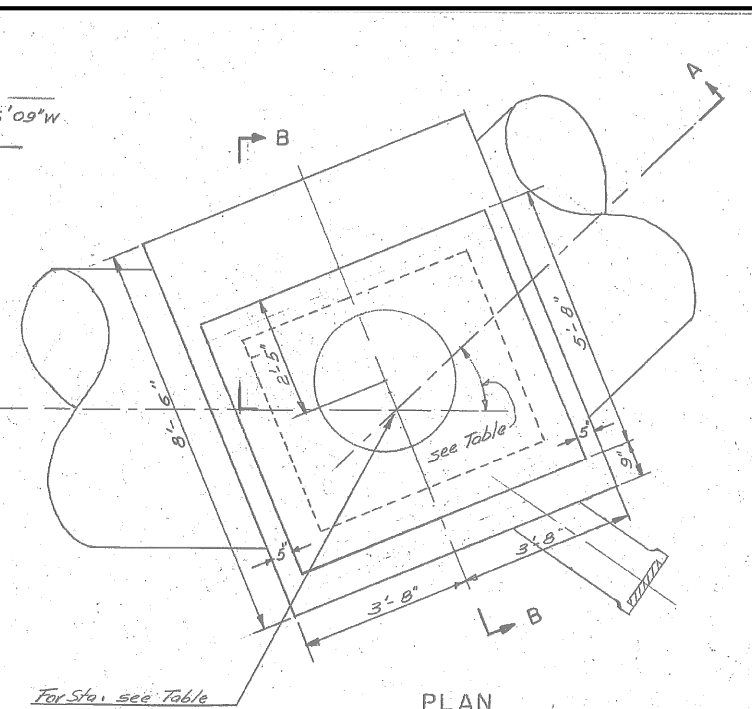
3" ON ORIGINAL DOCUMENT



PLAN

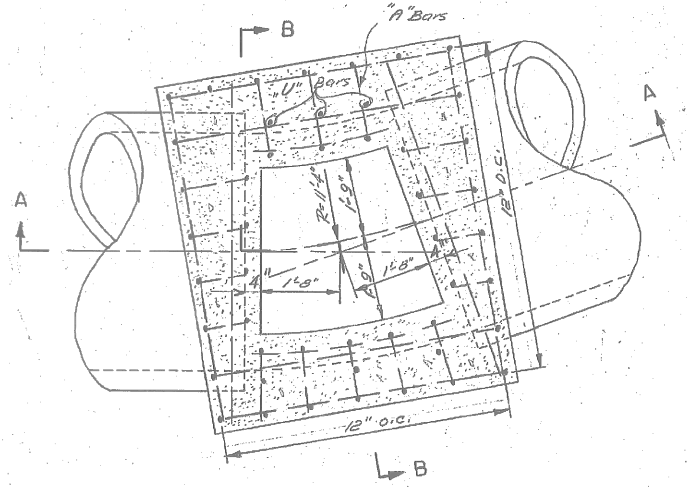


KEY PLAN



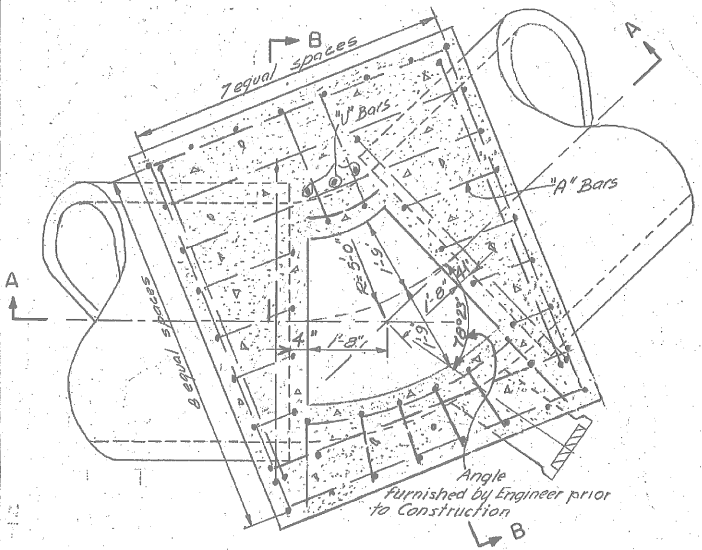
PLAN

- NOTES:**
1. REINFORCING STEEL TO BE 3" CLEAR OF FACE OF CONCRETE UNLESS OTHERWISE NOTED.
 2. ALL EXTERIOR CORNERS CHAMFERED 1".
 3. PILE FOUNDATION TO BE USED ONLY IF CALLED FOR BY THE ENGINEER.
 4. REFER TO ORIGINAL SD-41 AS-BUILT FOR POTENTIAL LOCATIONS WHERE PILING WAS INSTALLED.

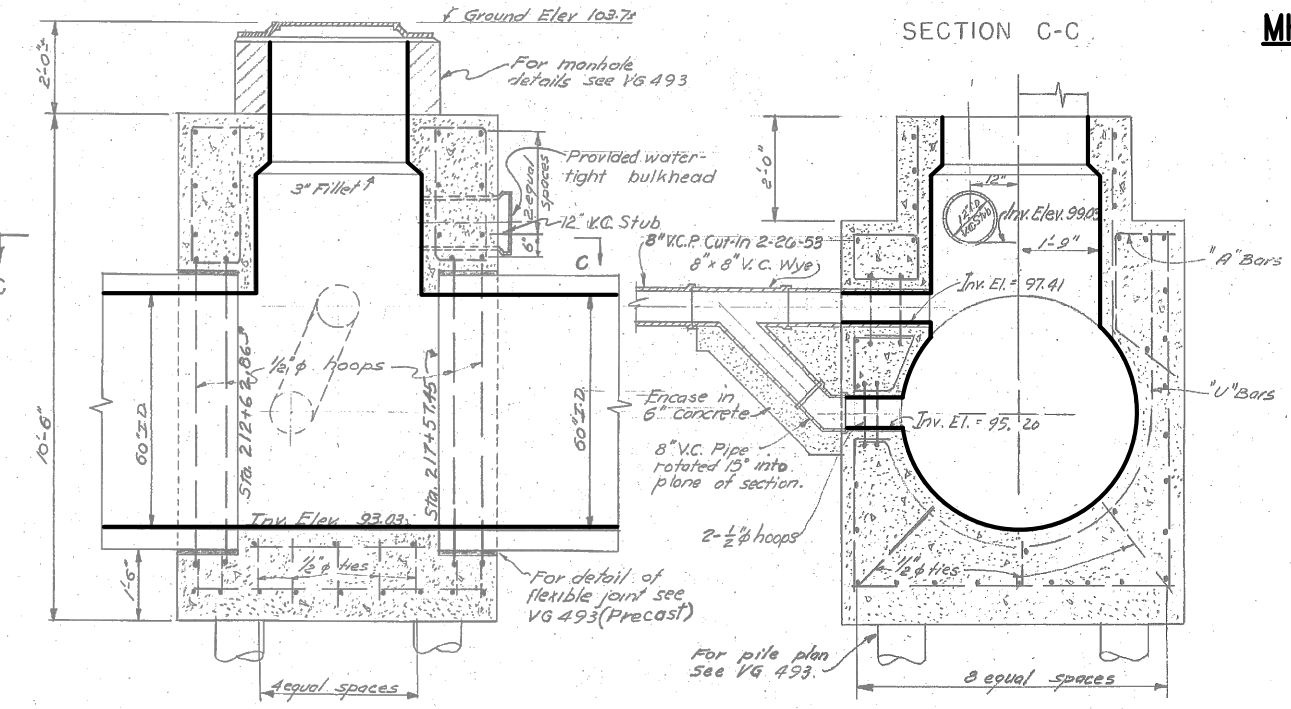


SECTION C-C

MH A48

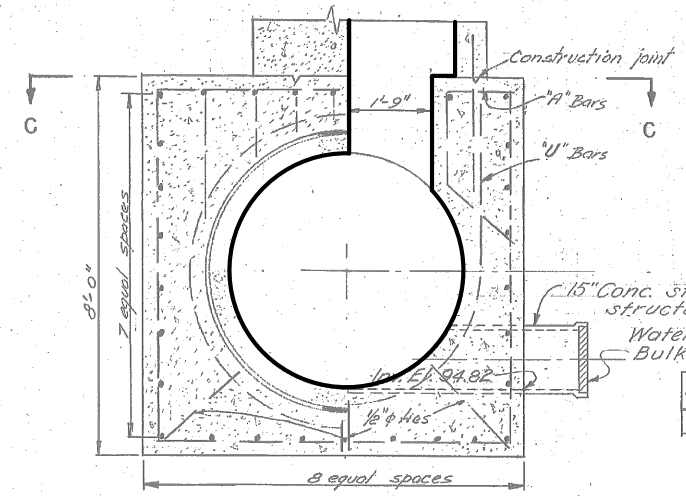


SECTION C-C

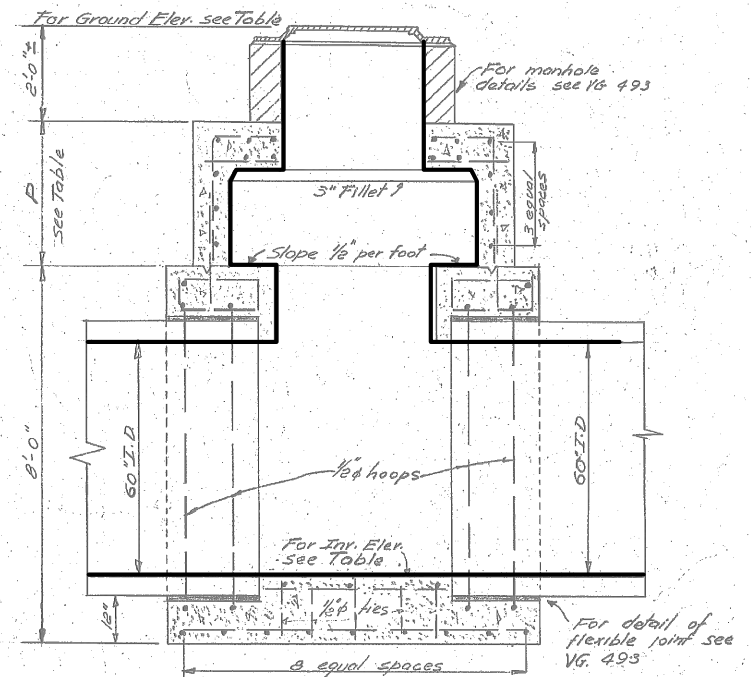


SECTION A-A

SECTION B-B



SECTION B-B



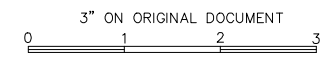
SECTION A-A

MH A44 & A45

* See equation		AS-BUILT			Jan. 12, 1945	
Structure	Station	Δ	Invert Elev.	Ground Elev.	P	Pipe Station
						Up stream
						Down Stream
A	185+74.26	43° 33' 09"	94.87	106.8±	3'-5"	185+72.26
B	187+126.91 187+09.50 Bk	43° 32' 28"	94.82	106.4±	3'-0"	187+14.69

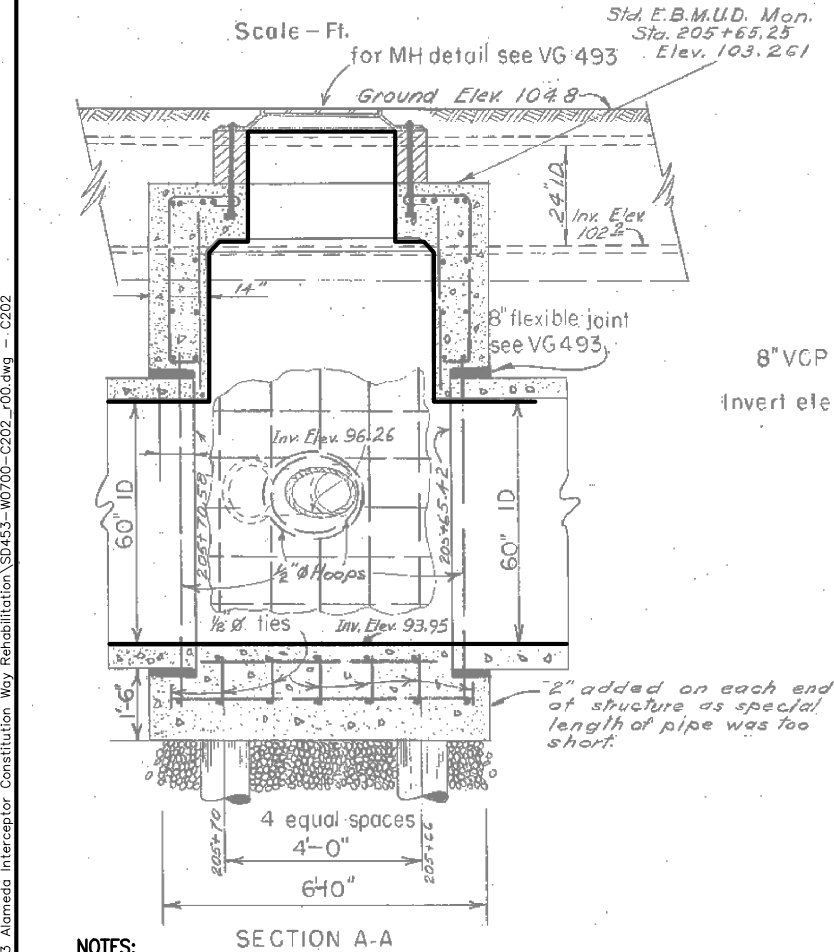
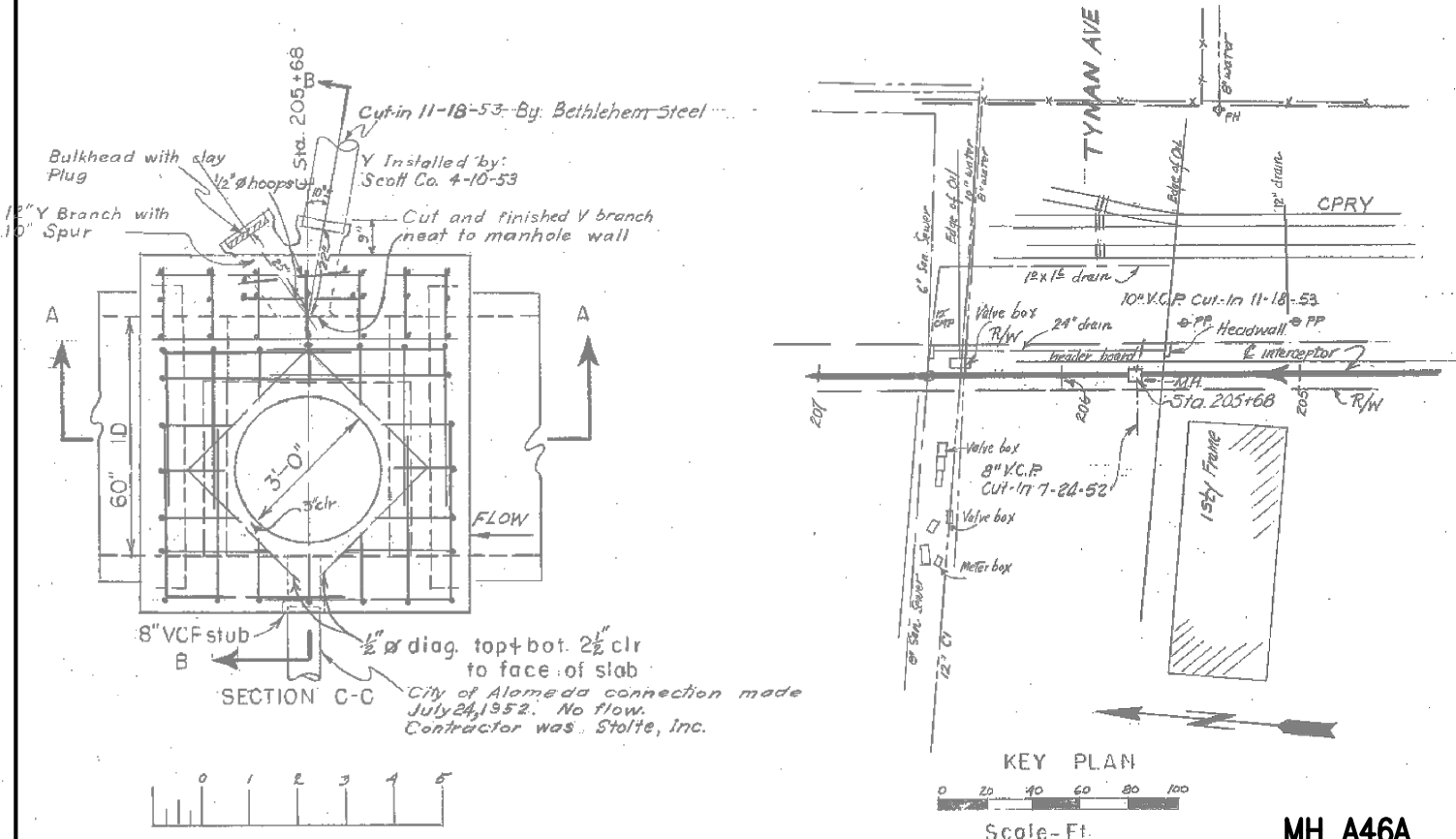
3-19-53	12" V.C. Stubs deleted 15" concrete stub added for structure "B"	D.H.	HLL	1	10-23-50	Corrected Notes No. 1 & 2 Location of Manholes changed	CEK	SK
2-12-22	8" V.C. Drop and Stub Added	HLL	SK					

SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION				EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA			
DESIGN BY:	J. BARNES	PROJECT MANAGER		ALAMEDA INTERCEPTOR			
DRAWN BY:	E. DIFUNTORUM	PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
DESIGN CHECKED BY:		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
R.P.E. No.		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
APPROVED:		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
R.P.E. No.		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
RECOMMENDED:		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			
R.P.E. No.		PROJECT MANAGER		MANHOLE A48 MANHOLE A44 & A45			

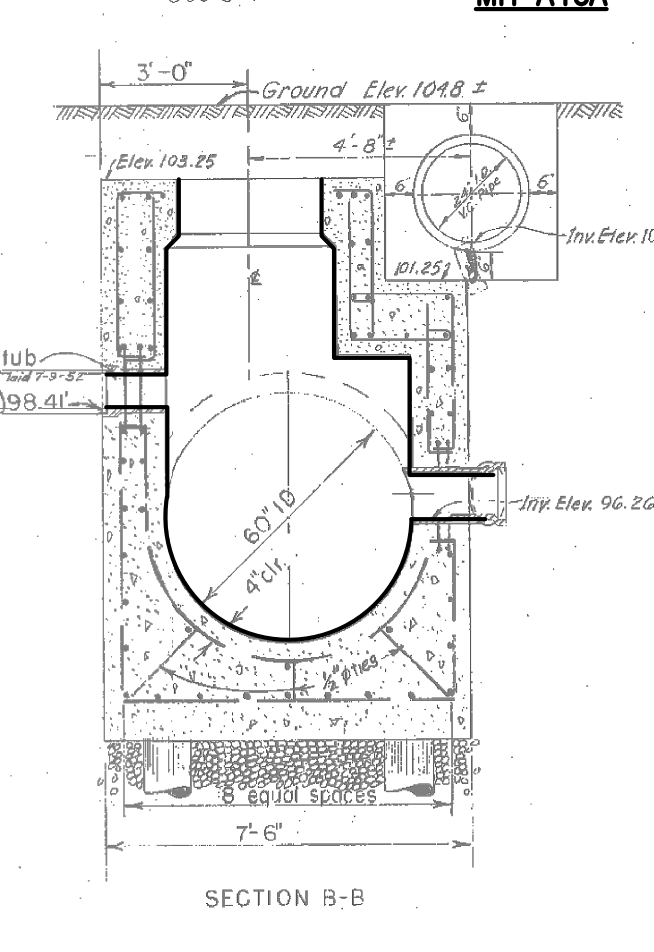
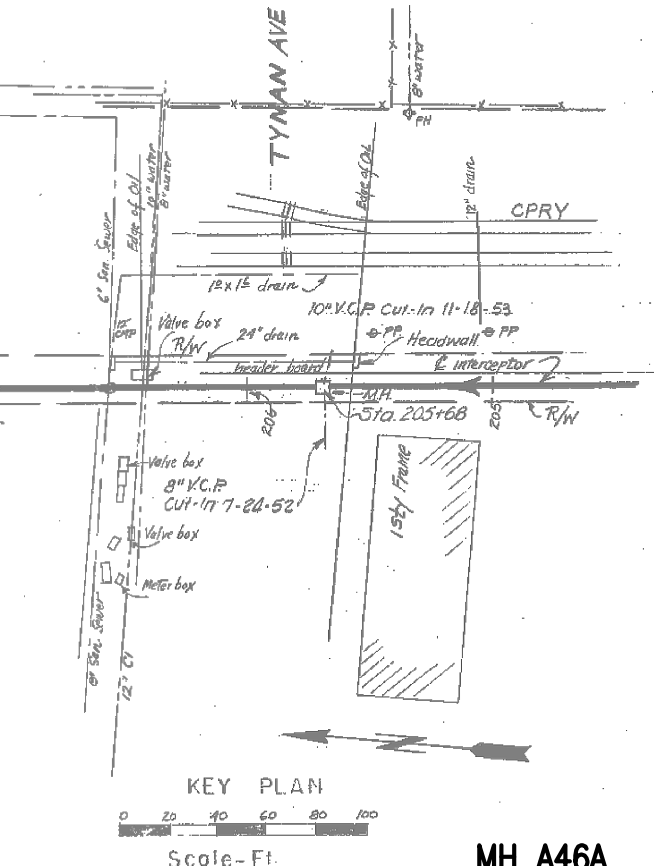


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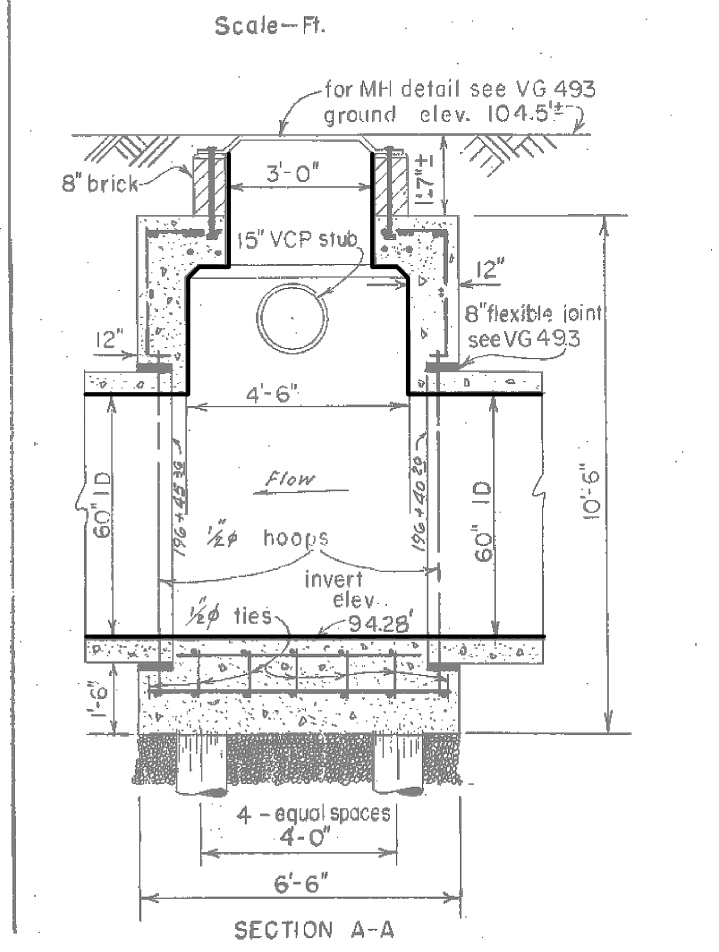
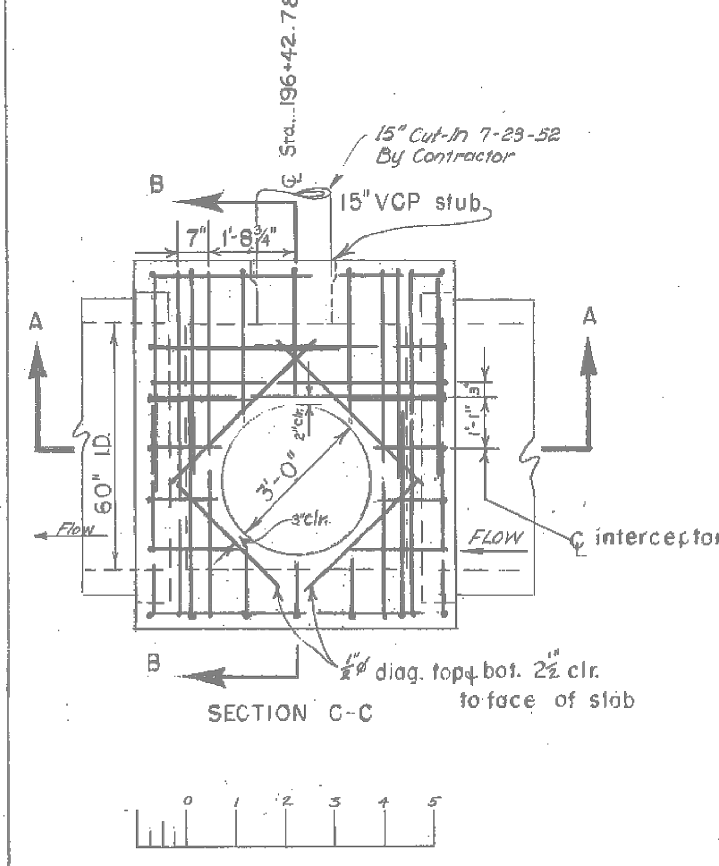


- NOTES:**
1. REINFORCING STEEL TO BE 3" CLEAR OF FACE OF CONCRETE UNLESS OTHERWISE NOTED.
 2. ALL EXTERIOR CORNERS CHAMFERED 1".
 3. PILE FOUNDATION TO BE USED ONLY IF CALLED FOR BY THE ENGINEER.
 4. REFER TO ORIGINAL SD-41 AS-BUILT FOR POTENTIAL LOCATIONS WHERE PILINGS WERE INSTALLED.



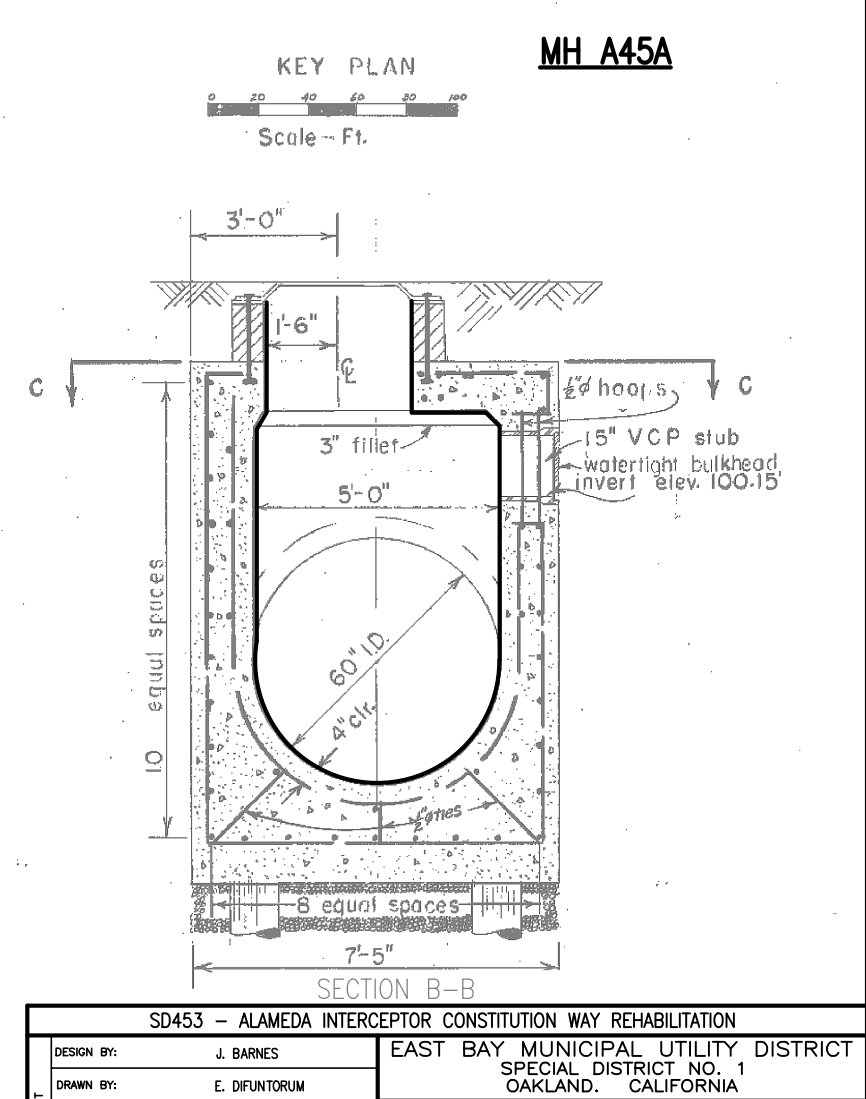
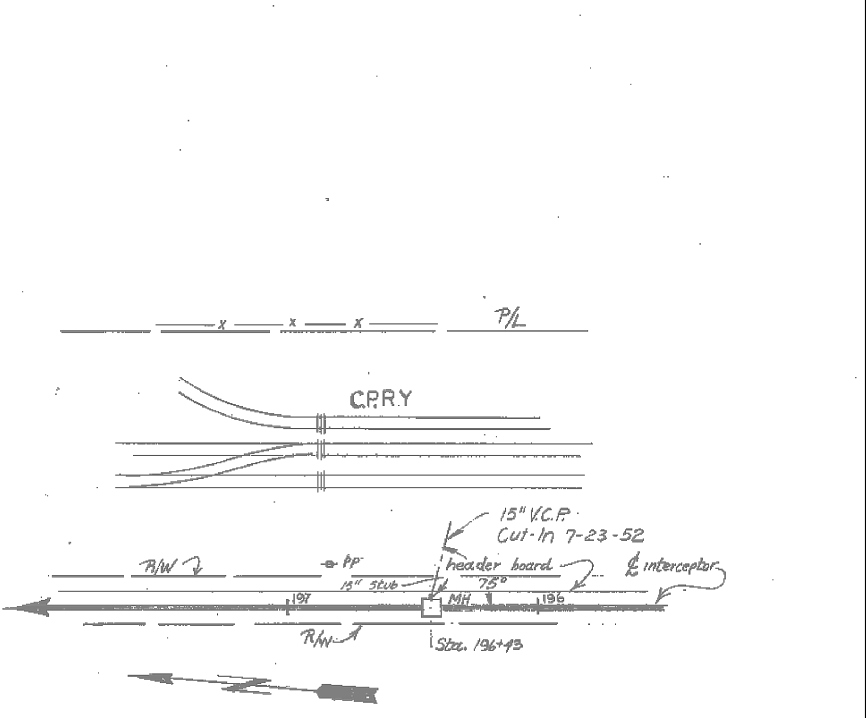
TYNAN AVENUE STRUCTURE

Scale - Ft. (0 to 3 feet)



SECTION B-B

SECTION B-B showing vertical structure, ground elevations, and invert elevations. Includes a scale bar (0 to 10 feet).



SD453 - ALAMEDA INTERCEPTOR CONSTITUTION WAY REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY: J. BARNES	PROJECT MANAGER R.P.E. No.	ALAMEDA INTERCEPTOR	
DRAWN BY: E. DIFUNTORUM	APPROVED: PRINCIPAL IN CHARGE R.P.E. No.	MANHOLE A48 MANHOLE A46A & A45A	
DESIGN CHECKED BY: R.P.E. No.	PROJECT MANAGER R.P.E. No.	SHEET NO. -	
RECOMMENDED: SR. ENGINEER R.P.E. No.	SCALE 1"=1'-0"	SD453-W0700-C202	
	DATE JUNE 2023	DRAWING NUMBER	

NO.	DATE	REVISION	BY	REC.	APP.

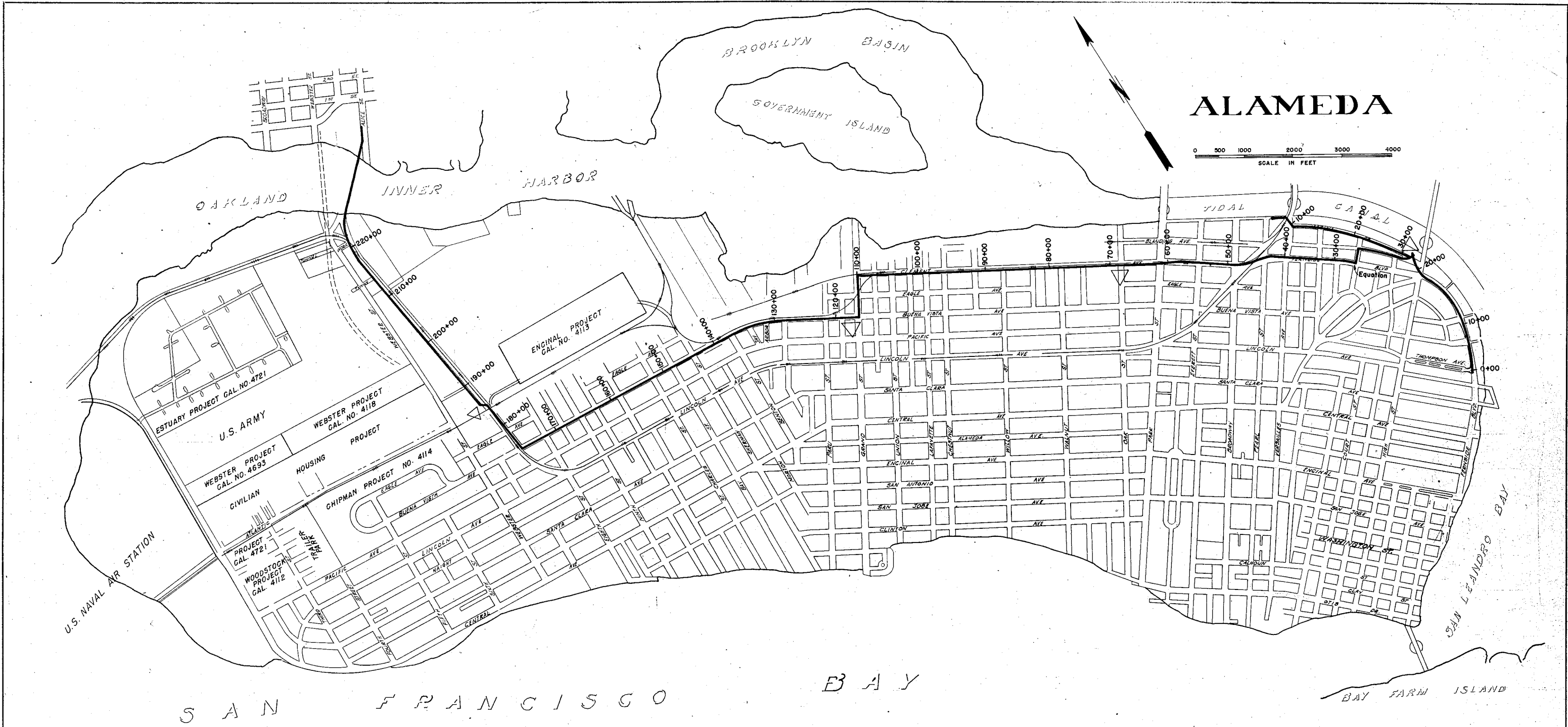
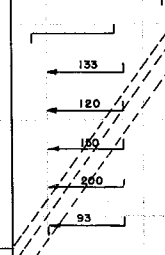
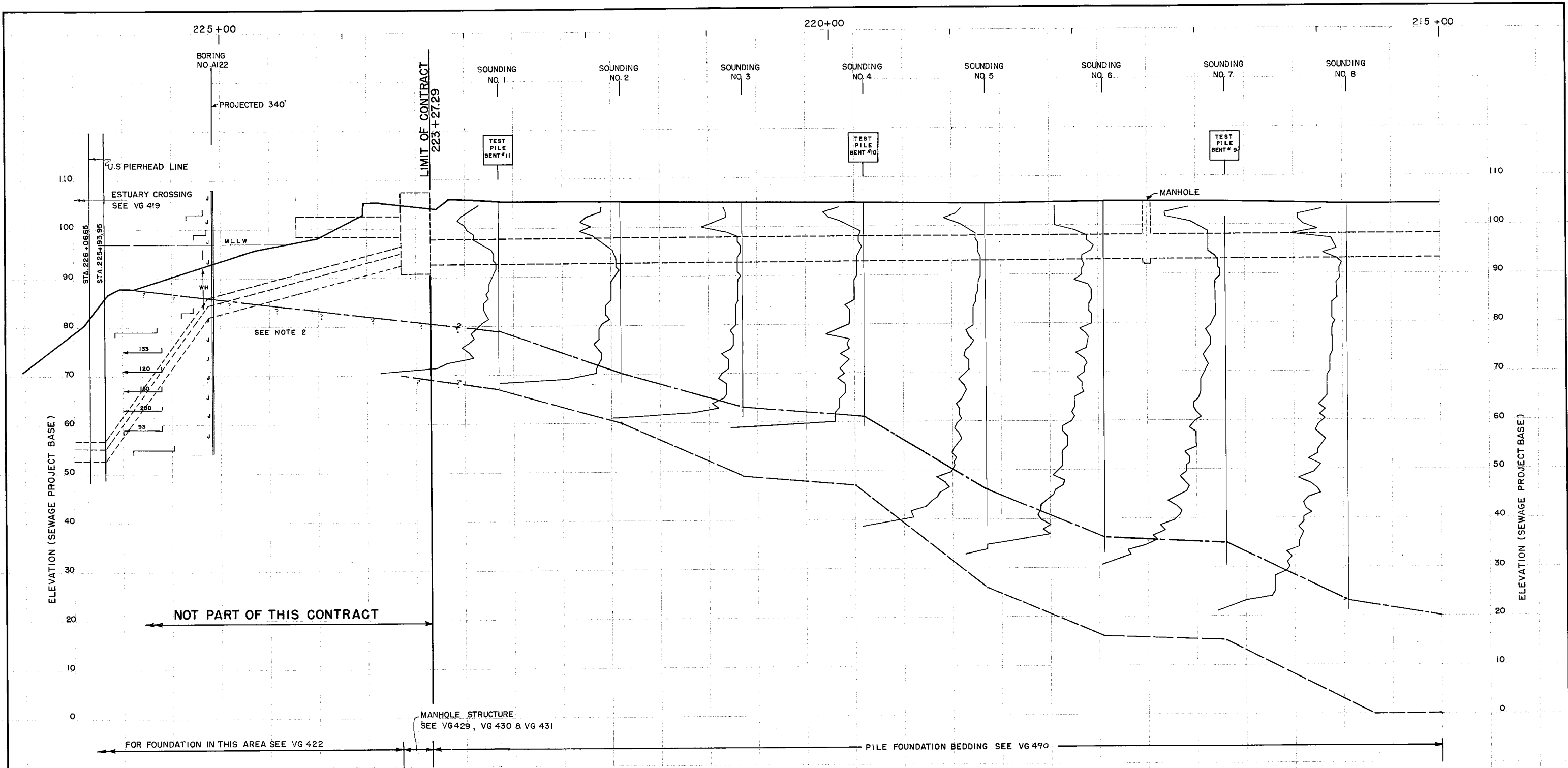


Exhibit G1-3A Alameda Interceptor Original As-builts

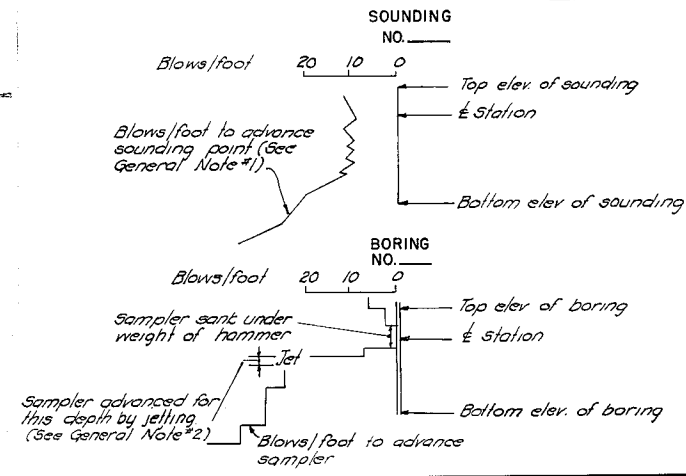
NO.	DATE	REVISIONS	MADE BY	CHKD BY	
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT No. 1 OAKLAND, CALIFORNIA					
ALAMEDA INTERCEPTOR					
LOCATION MAP					
DESIGNED BY	RBB	DRAWN BY	RBB	TRACED BY	E. Fong
CHECKED BY	Del. Gentry	DATE	8-7-51		
RECOMMENDED BY	Del. Gentry				
APPROVED BY	<i>[Signature]</i>				
				NO. VG 895	

APPROVED *[Signature]*
CHIEF ENGINEER



SEE NOTE 2

LEGEND



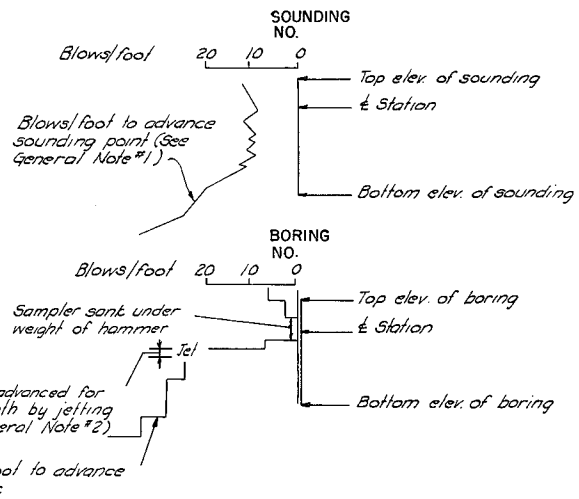
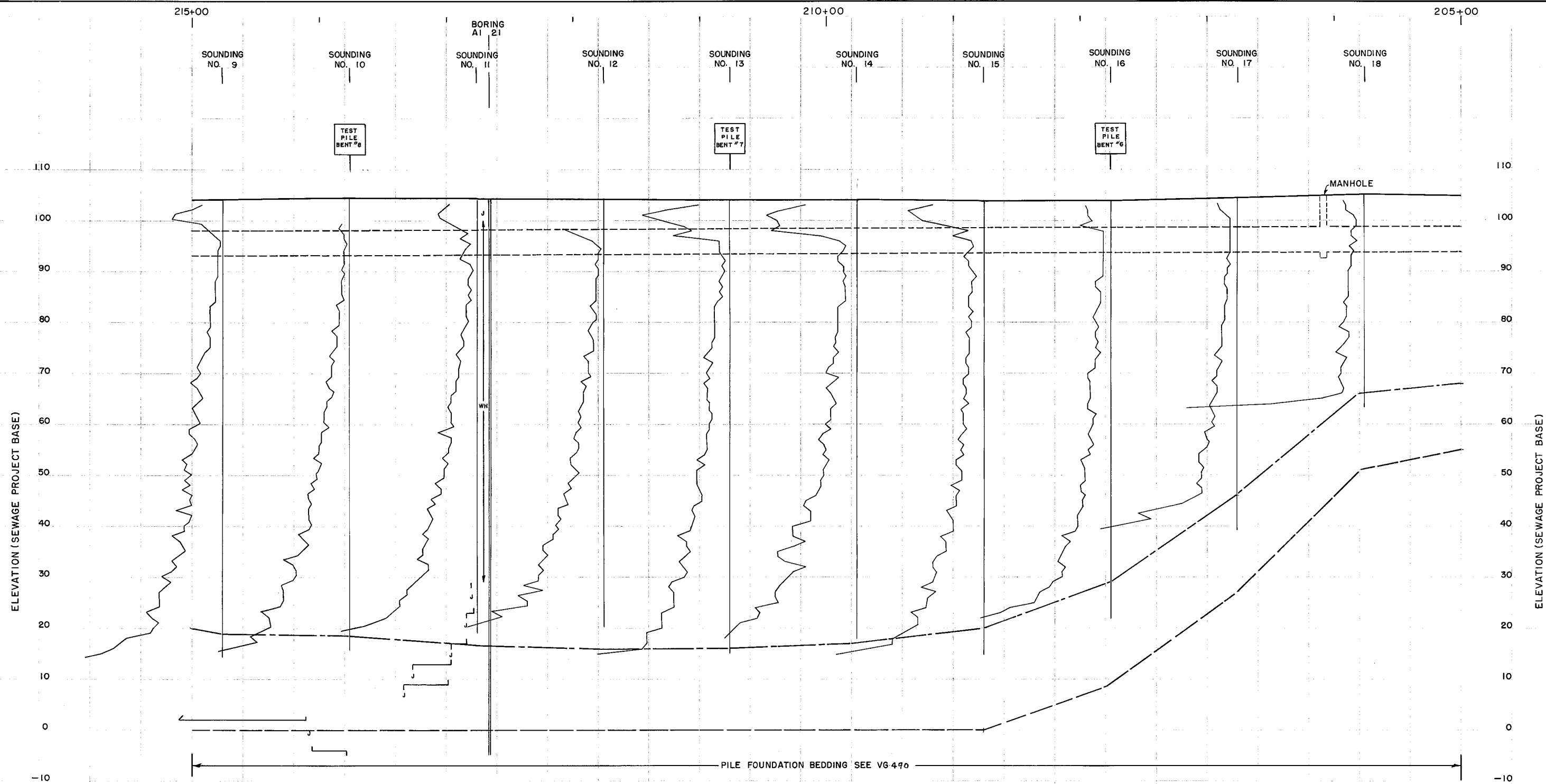
- TEST PILE BENT
- Approximate top of "firm clay" See Gen. Note 3.
- Estimated tip elev. of Piles. See Gen. Note #4.
- I.D. of Sewer. (See Plan & Profile sheets for details.)
- Ground Profile

NOTES

1. For General Notes See VG 465
2. For area in which "top of firm clay" and "estimated tip elevation of piles" is questioned the elevations shown were verified in the field.

APPROVED M.E.C.
MARKER ENGINEERING COMPANY

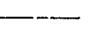
AS-BUILT		Dec. 16, 1953.	
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA			
ALAMEDA INTERCEPTOR SECTION 3 PROFILE OF SOUNDINGS STA. 215+00 TO STA. 223+27.29			
DRAWN BY M.E.C.	TRACED BY M.E.C.	DATE 6-20-50	SCALE
CHECKED BY	RECOMMENDED BY	APPROVED BY	
			No. VG 462



LEGEND



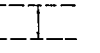
Station of test pile bent was driven by Contractor. (See Specs.) Piles penetrated at least to approx. tip elevation as shown. (Station was adjusted in field to correspond with regular pile spacing.)



Approximate top of firm clay. See Gen. Note #3



Estimated tip elev. of Piles. See Gen. Note #4.



I.D. of Sewer (See Plan & Profile sheets for details.)



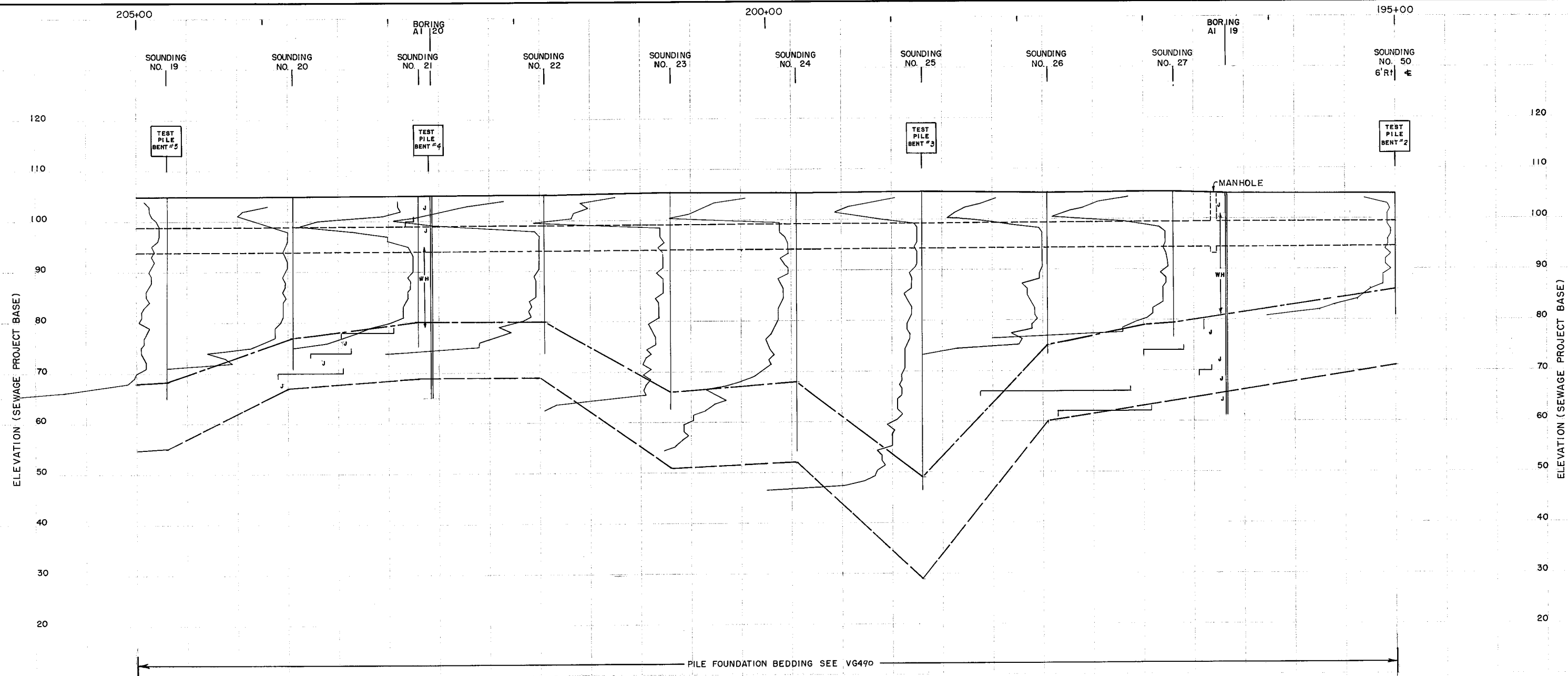
Ground Profile

NOTES

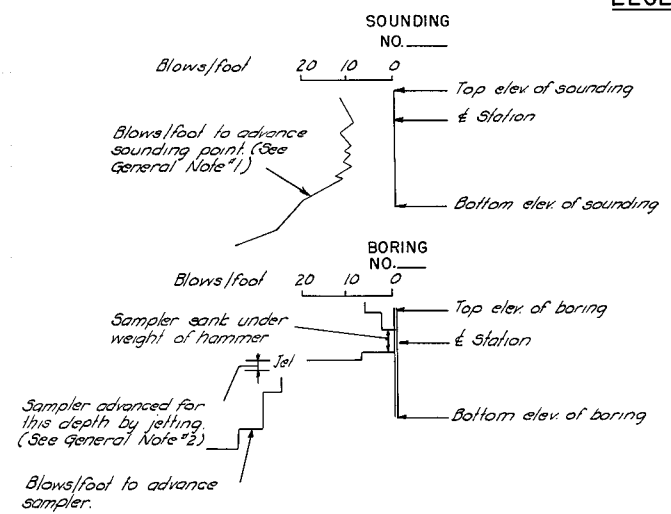
For General Notes see VG 465

APPROVED *[Signature]*

AS-BUILT Dec. 16, 1953.	
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
ALAMEDA INTERCEPTOR SECTION 3 PROFILE OF SOUNDINGS STA. 205+00 TO STA. 215+00	
DRAWN BY R.W.C. & M.E.C.	TRACED BY M.E.C.
CHECKED BY <i>[Signature]</i>	DATE 5-2-50
RECOMMENDED BY <i>[Signature]</i>	SCALE
APPROVED BY <i>[Signature]</i>	No. VG 463



LEGEND



- TEST PILE BENT
- Approximate top of firm clay. See Gen. Note #3.
- Estimated tip elev. of Piles. See Gen. Note #4.
- I.D. of sewer. (See Plan & Profile sheets for details.)
- Ground Profile

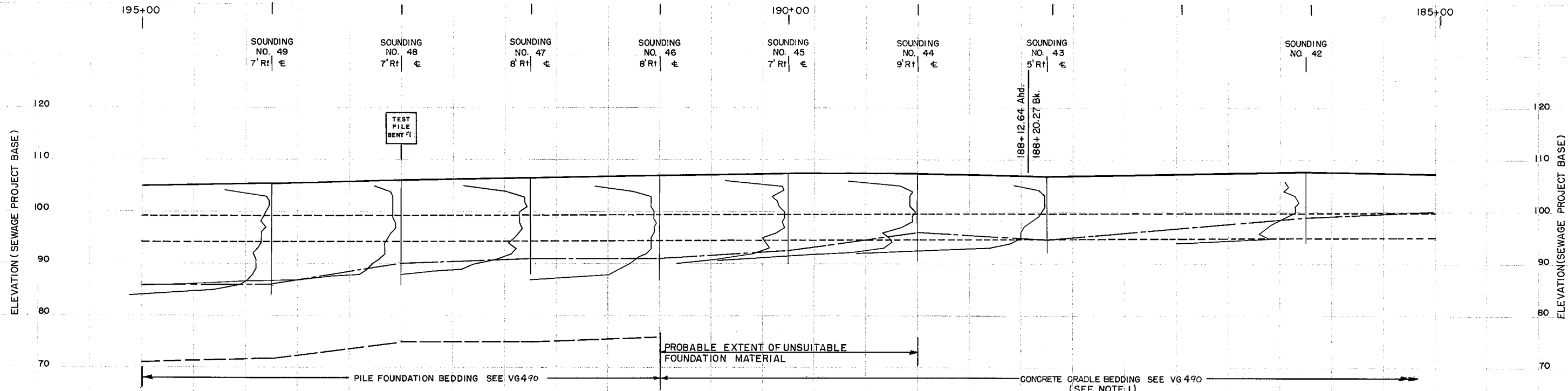
NOTES

For General Notes see VG 465

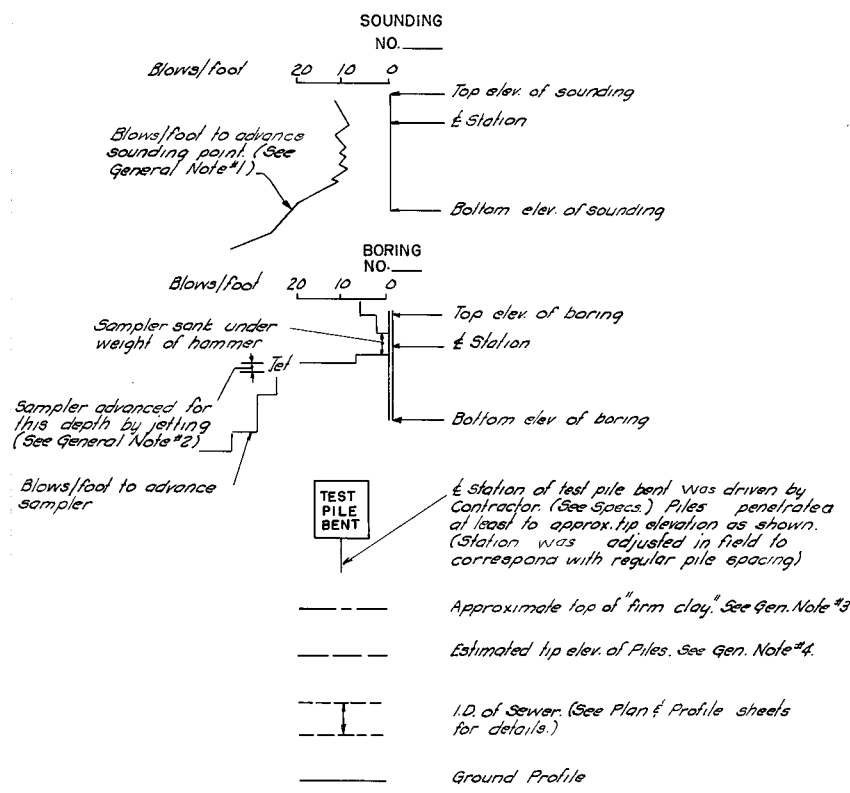
Station of test pile bent was driven by Contractor. (See Specs.) Piles penetrated at least to approx tip elevation as shown. (Station was adjusted in field to correspond with regular pile spacing.)

AS-BUILT		Dec. 16, 1953.
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA		
ALAMEDA INTERCEPTOR SECTION 3 PROFILE OF SOUNDINGS STA. 195+00 TO STA. 205+00		
DRAWN BY <i>R.M.C. & M.C.</i>	TRACED BY <i>M.C.</i>	SCALE
CHECKED BY <i>R.M.C.</i>	DATE 5-2-50	
RECOMMENDED BY <i>H.B. ...</i>		
APPROVED BY <i>B.A. Root</i>	No. VG 464	

APPROVED *R.M.C. & M.C.*



LEGEND



GENERAL NOTES

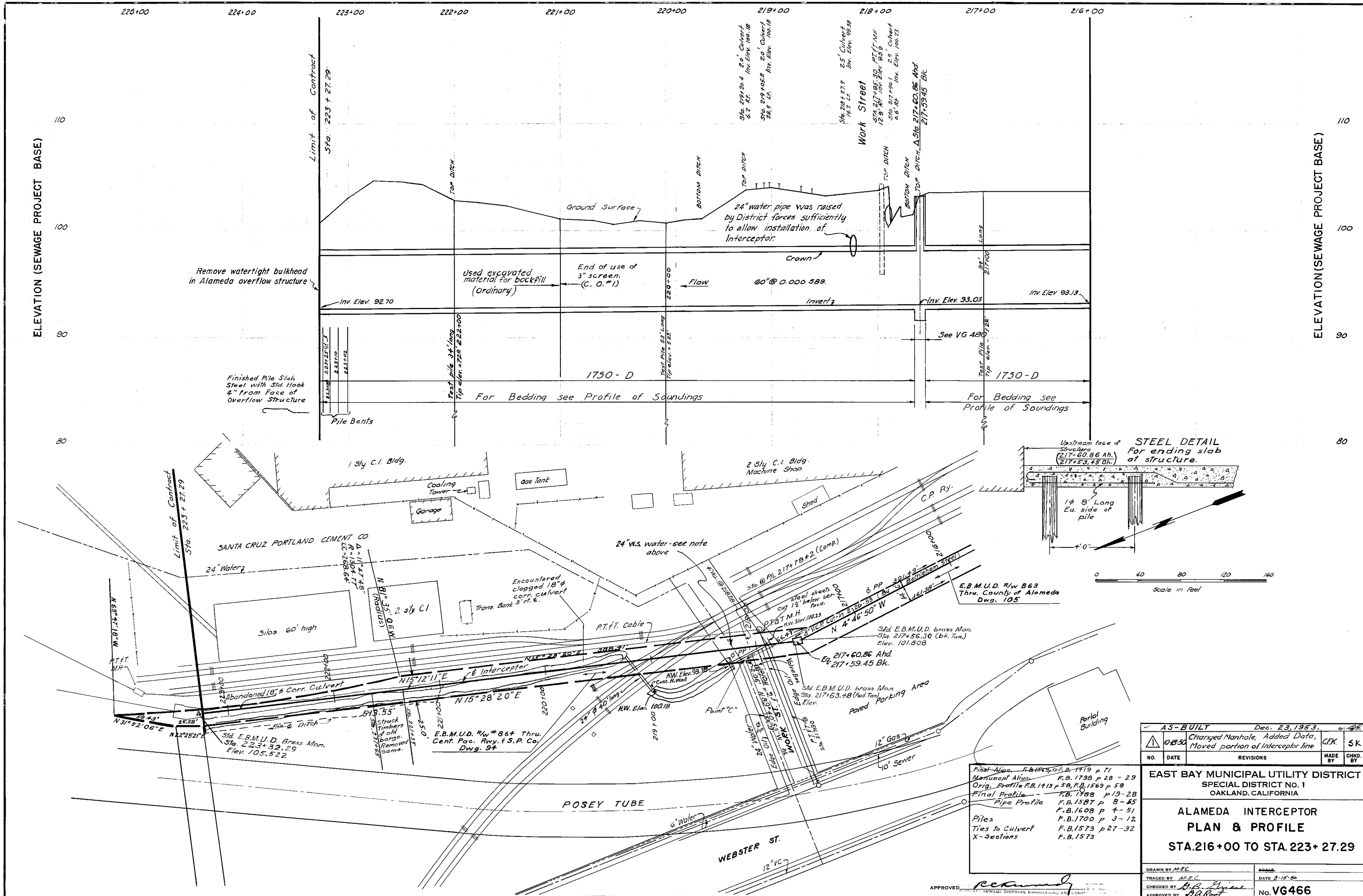
- METHOD OF MAKING SOUNDINGS:** 2" conical steel point driven into the ground by blows of a 150# hammer dropping 2' on a 1" diameter steel pipe. Record shows variation with depth of number of blows per foot necessary to advance the point continuously.
- METHOD OF MAKING BORINGS:** 2" Tube sampler advanced either by dropping hammer and/or by jetting. Driving record obtained by blows of a 200# hammer dropping 2'-6" on a hollow tube sampler. For Log of Borings see VG 460 & VG 461.
- APPROXIMATE TOP OF "FIRM CLAY"** was taken as that depth in a sounding where the blow count began to increase rapidly with depth with no appreciable decrease at lower elevations.
- ESTIMATED TIP ELEVATION OF PILES** indicates the tip elevation required for timber piles to achieve a working bearing capacity of 20 Tons per pile allowing for possible dragdown of consolidating mud. This elevation was for bidding purposes and was verified in the field by driving test pile bents where shown on the drawings and as directed by the Engineer.

NOTES

1. For pipe bedding beyond Sta. 185+00 see Plan & Profile sheets.

EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
ALAMEDA INTERCEPTOR SECTION 3 PROFILE OF SOUNDINGS STA. 185+00 TO STA. 195+00	
DRAWN BY <i>EMC / MEC</i>	TRACED BY <i>MEC</i>
CHECKED BY <i>EMC</i>	DATE 5-1-50
RECOMMENDED BY <i>LA Root</i>	SCALE
APPROVED BY <i>LA Root</i>	No. VG 465

APPROVED *LA Root*



Final Align. F.B. 1565, S.F.B. 1479 p 71
 Monument Align. F.B. 1798 p 28 - 29
 Orig. Profile F.B. 1413 p 58, F.B. 1569 p 58
 Final Profile F.B. 1308 p 13-28
 Pipe Profile F.B. 1587 p 8-85
 F.B. 1608 p 4-51
 F.B. 1700 p 3-12
 F.B. 1573 p 27-32
 F.B. 1573

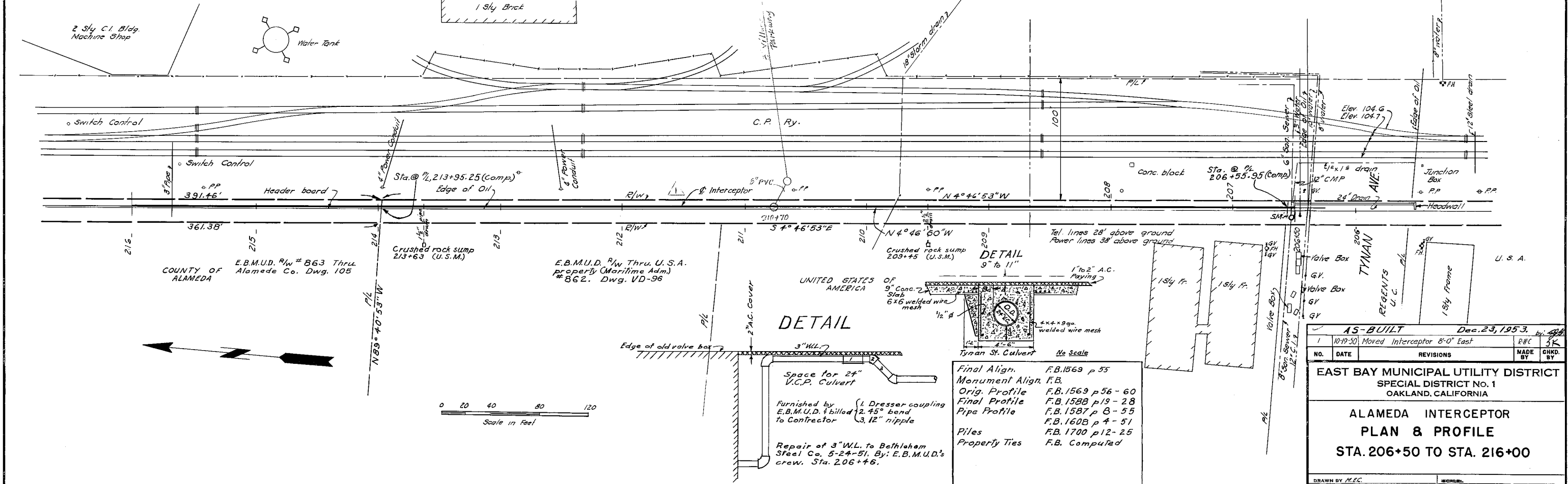
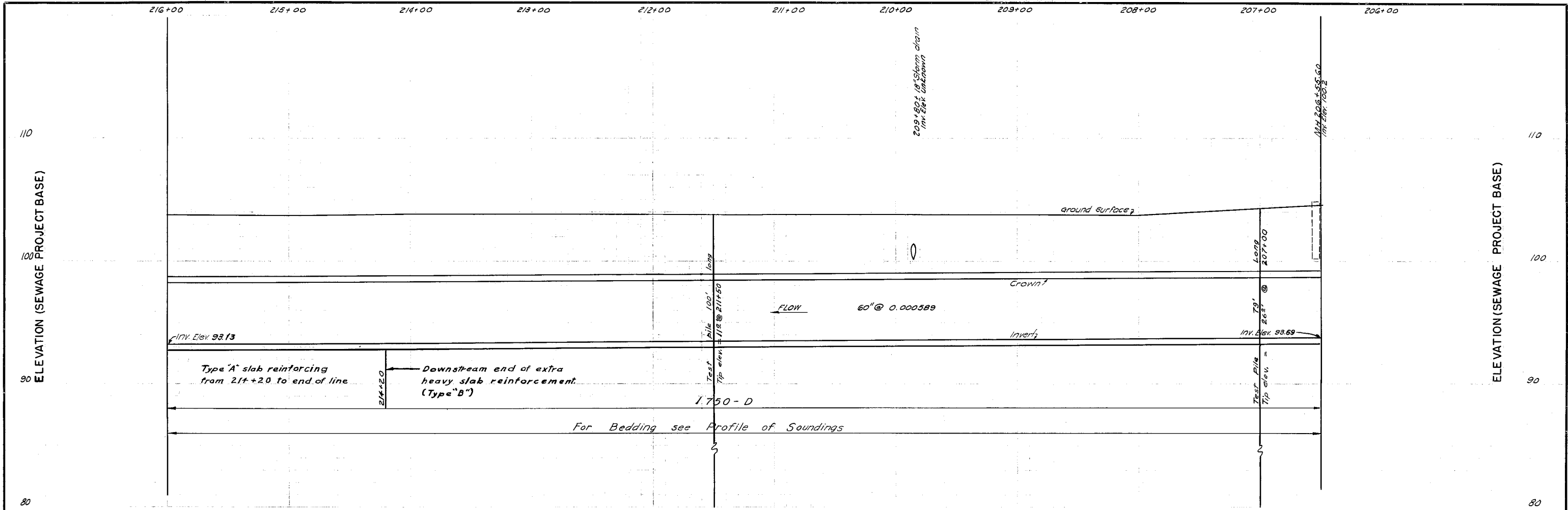
AS-BUILT		Dec. 23, 1953.	
NO.	DATE	REVISIONS	MADE BY
104850		Changed Manhole, Added Data, Moved portion of Interceptor line	CFK
			SK

EAST BAY MUNICIPAL UTILITY DISTRICT
 SPECIAL DISTRICT NO. 1
 OAKLAND, CALIFORNIA

ALAMEDA INTERCEPTOR
PLAN & PROFILE
 STA. 216+00 TO STA. 223+27.29

DRAWN BY M.E.C.
 TRACED BY M.E.C.
 CHECKED BY B.B. Prince
 APPROVED BY B.B. Prince

SCALE: DATE 3-15-50
 No. VG466



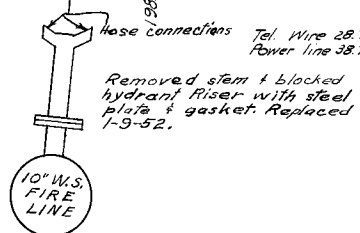
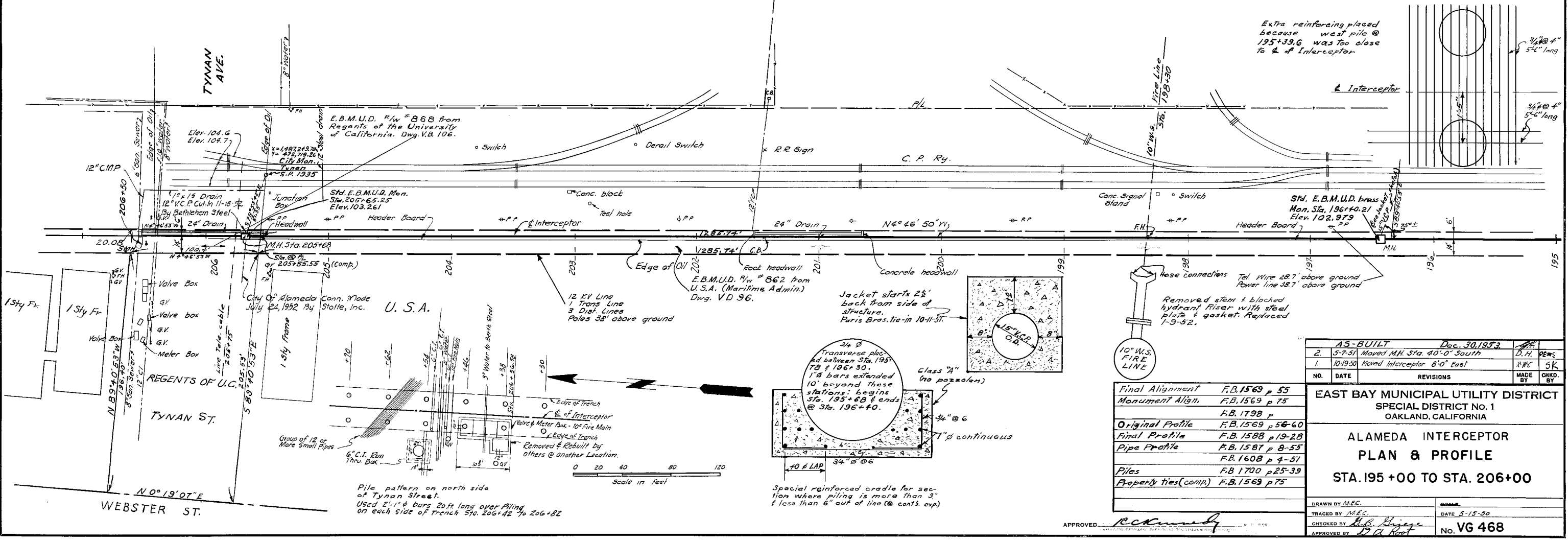
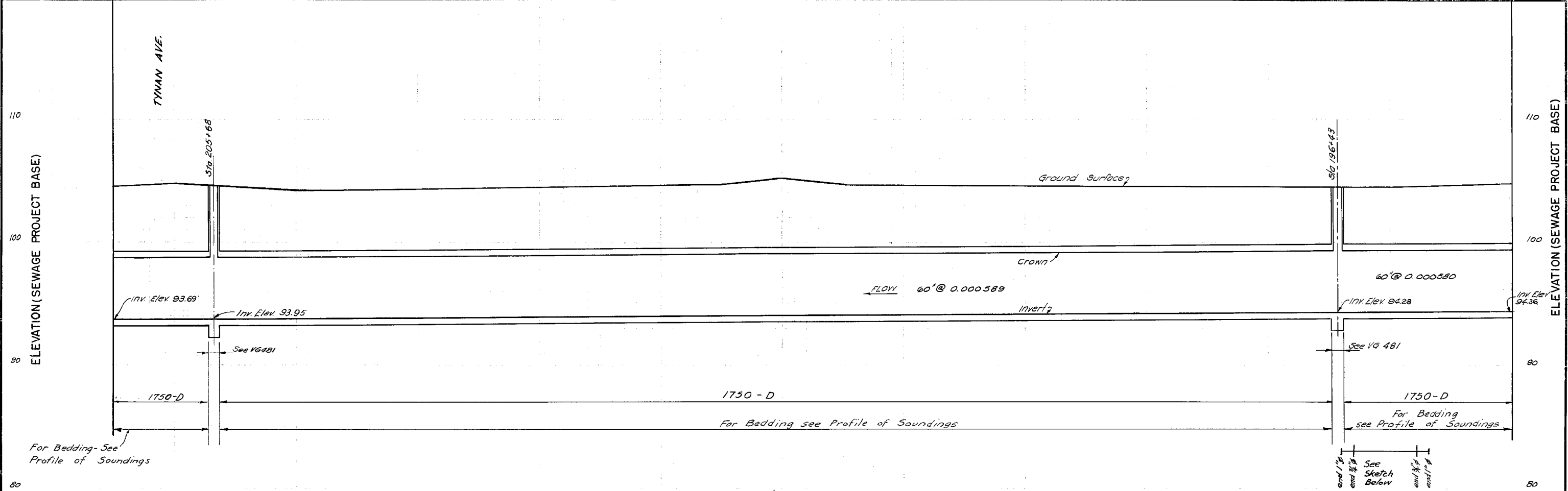
DETAIL
9" to 11"

Final Align. F.B. 1569 p 55
 Monument Align. F.B.
 Orig. Profile F.B. 1569 p 56-60
 Final Profile F.B. 1588 p 19-28
 Pipe Profile F.B. 1587 p 8-55
 Piles F.B. 1608 p 4-51
 Property Ties F.B. 1700 p 12-25

Space for 24" V.C.P. Culvert
 Furnished by E.B.M.U.D. & billed to Contractor
 (1 Dresser coupling, 3, 12" nipple)

Repair of 3" W.L. to Bethlehem Steel Co. 5-24-51. By: E.B.M.U.D.'s crew. Sta. 206+46.

AS-BUILT		Dec. 23, 1953.	
NO.	DATE	REVISIONS	MADE BY
1	10-19-50	Moved Interceptor 8'-0" East	RWC
			JK
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA			
ALAMEDA INTERCEPTOR PLAN & PROFILE STA. 206+50 TO STA. 216+00			
DRAWN BY M.E.C.		DATE 5-15-50	
CHECKED BY F.B. Gline		APPROVED BY J.A. Root	
No. VG 467			



Final Alignment	F.B. 1569 p 55
Monument Align.	F.B. 1569 p 75
Original Profile	F.B. 1569 p 56-60
Final Profile	F.B. 1588 p 19-28
Pipe Profile	F.B. 1587 p 8-55
Piles	F.B. 1608 p 4-51
Property ties (comp.)	F.B. 1569 p 75

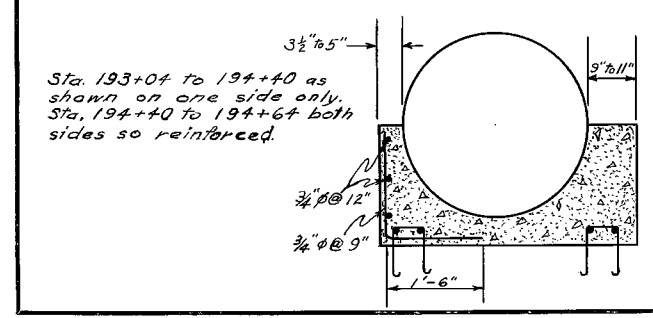
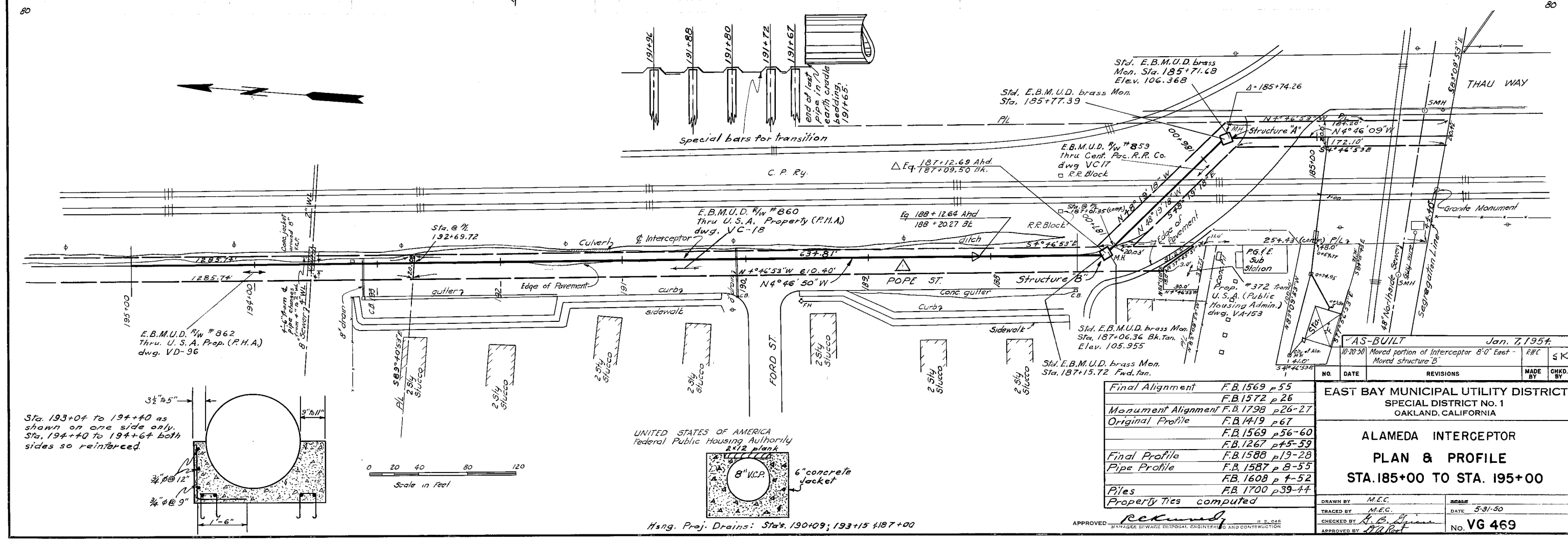
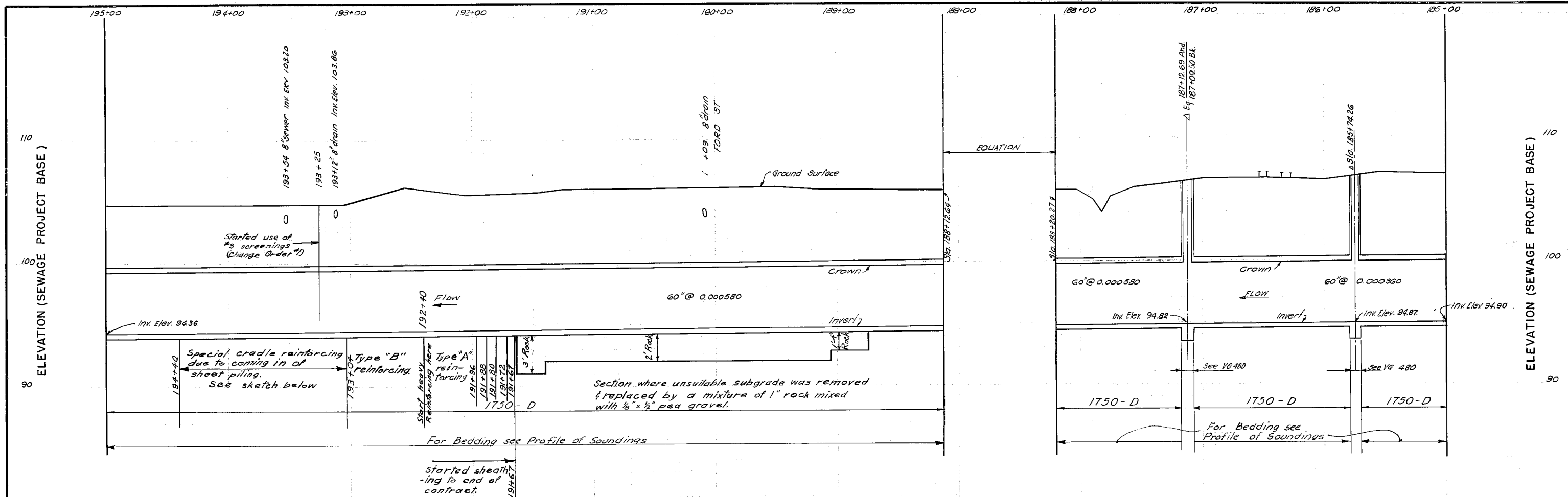
NO.	DATE	REVISIONS	MADE BY	CHKD. BY
1	AS-BUILT	Dec. 30, 1953		
2	5-7-51	Moved M.H. Sta. 40'-0" South	D.H.	REWS
1	10-19-50	Moved Interceptor 8'-0" East	RWC	SK

EAST BAY MUNICIPAL UTILITY DISTRICT
 SPECIAL DISTRICT NO. 1
 OAKLAND, CALIFORNIA

ALAMEDA INTERCEPTOR
PLAN & PROFILE
STA. 195+00 TO STA. 206+00

DRAWN BY M.E.C.
 TRACED BY M.E.C.
 CHECKED BY *Bob R. Jones*
 APPROVED BY *W. A. Hunt*

DATE 5-15-50
 No. VG 468



UNITED STATES OF AMERICA
Federal Public Housing Authority
2x12 plank
8" V.C.P.
6" concrete jacket
Hsing. Proj. Drains: Sta's. 190+09; 193+15 & 187+00

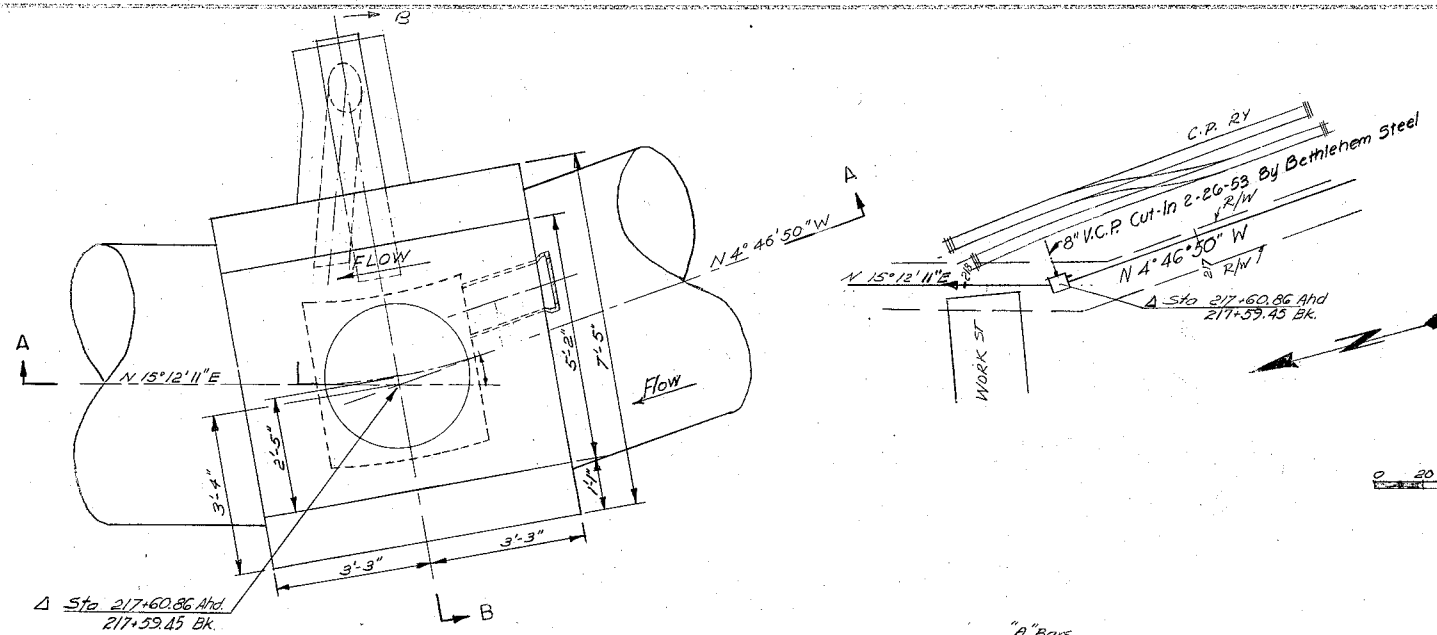
Final Alignment	F.B. 1569 p 55
	F.B. 1572 p 26
Monument Alignment	F.B. 1798 p 26-27
Original Profile	F.B. 1419 p 67
	F.B. 1569 p 56-60
	F.B. 1267 p 45-59
Final Profile	F.B. 1588 p 19-28
Pipe Profile	F.B. 1587 p 8-55
	F.B. 1608 p 4-52
Piles	F.B. 1700 p 39-44
Property Ties	computed

EAST BAY MUNICIPAL UTILITY DISTRICT
SPECIAL DISTRICT NO. 1
OAKLAND, CALIFORNIA
ALAMEDA INTERCEPTOR
PLAN & PROFILE
STA. 185+00 TO STA. 195+00

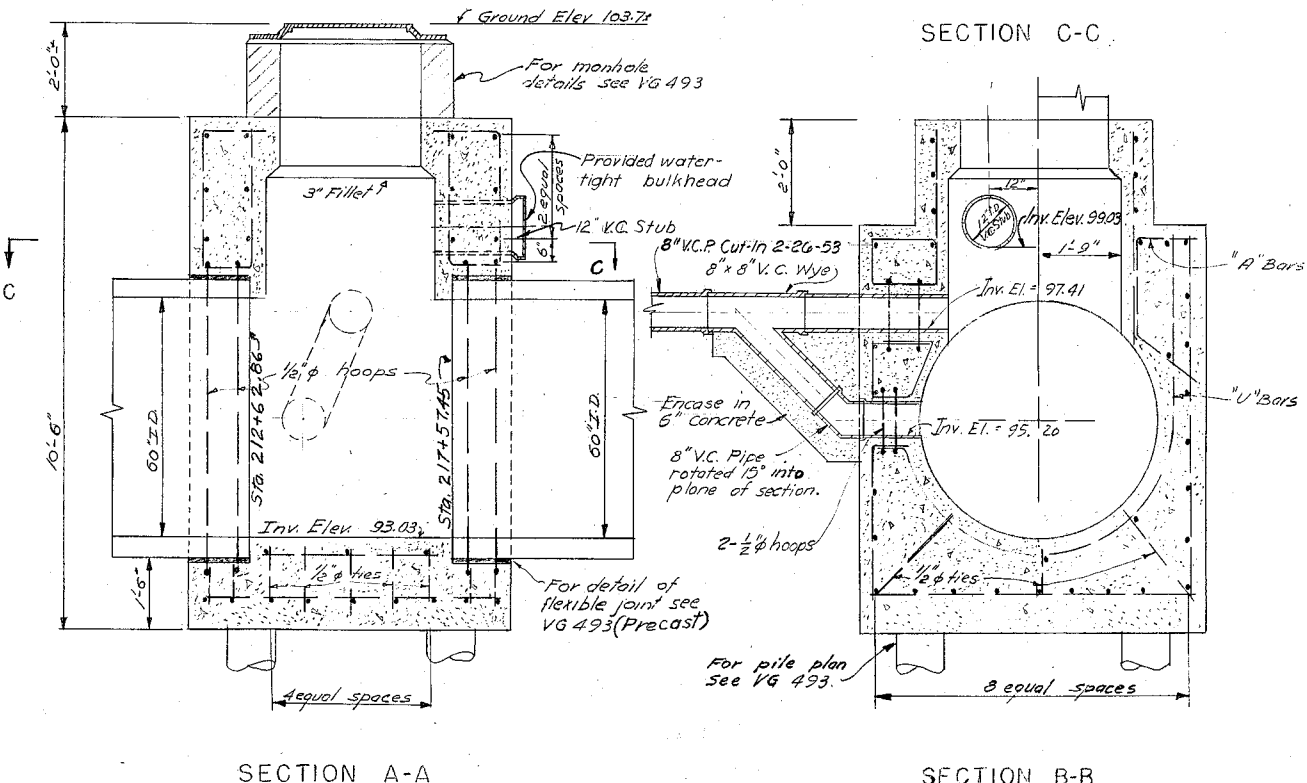
APPROVED: *Reckard*
MANAGER SEWER DISPOSAL ENGINEERING AND CONSTRUCTION

DRAWN BY: M.E.C.
TRACED BY: M.E.C.
CHECKED BY: A.B. [Signature]
APPROVED BY: [Signature]

DATE: 5-31-50
No. VG 469



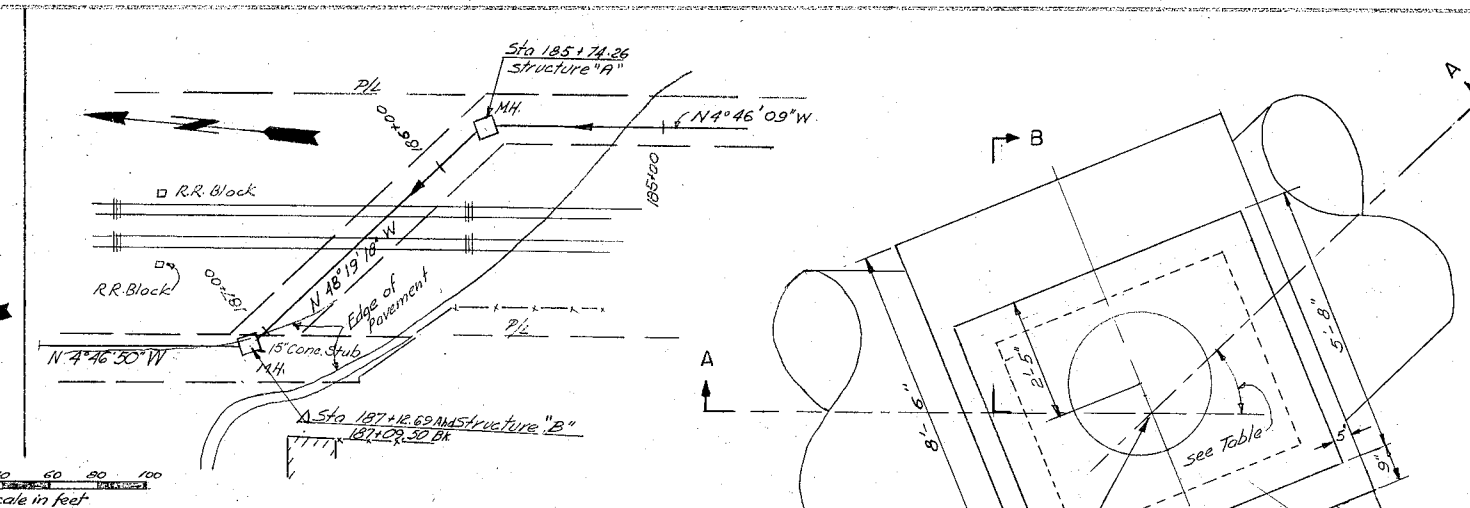
PLAN



SECTION A-A

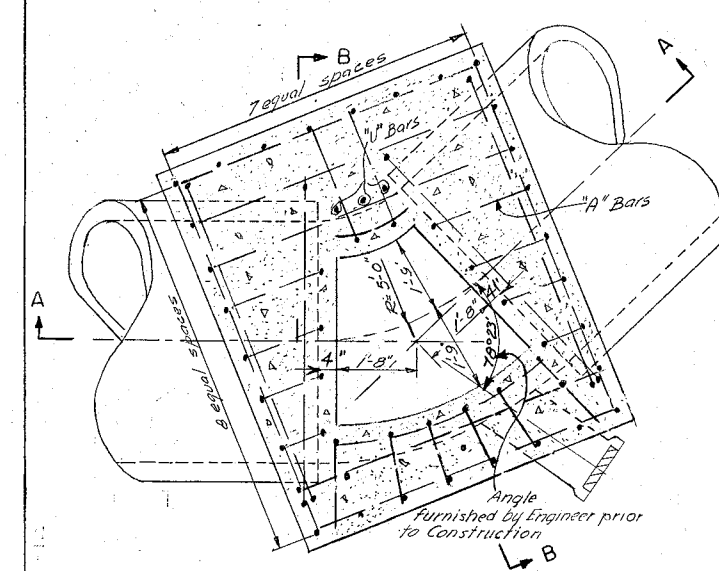
SECTION B-B

STA 217+60.86 Ahd.
217+59.45 Bk.
Poured 10-5-51

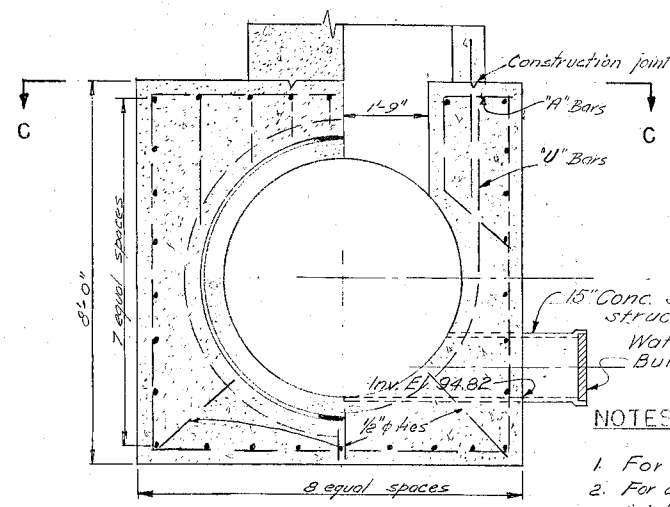


KEY PLAN

0 20 40 60 80 100
Scale in feet

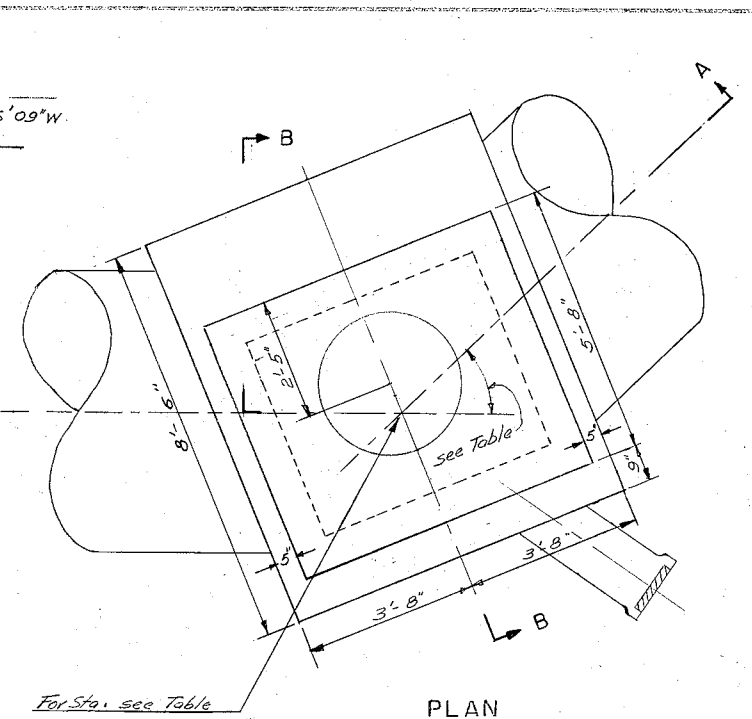


SECTION C-C

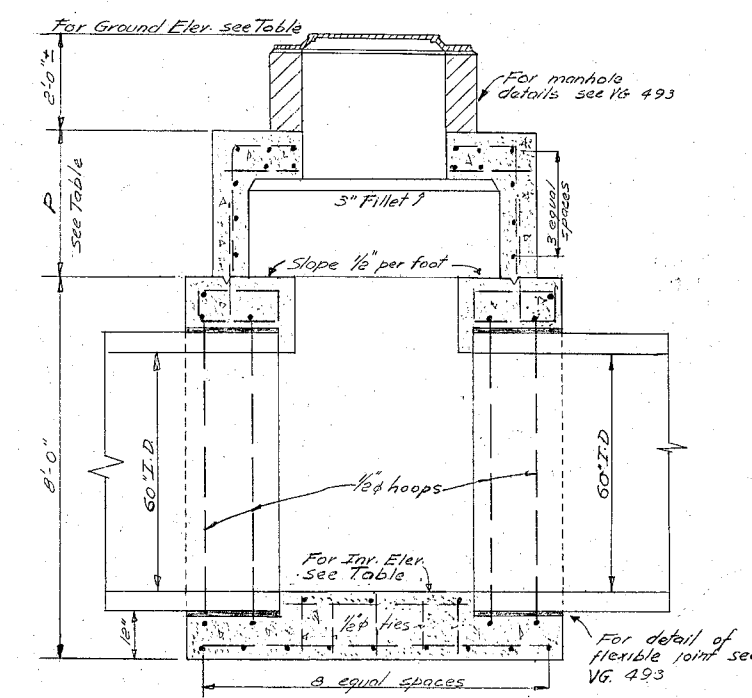


SECTION B-B

0 1 2 3 4 5
Scale in feet



PLAN



SECTION A-A

* See equation		AS-BUILT		Jan. 12, 1945.		
Structure	Station	Δ	Invert Elev.	Ground Elev.	Pipe Station	
					Up Stream	Down Stream
A	185+74.26	43° 33' 09"	94.87	106.82	185+72.26	185+76.26
B	187+12.69 Ahd. 187+09.50 Bk.	43° 32' 28"	94.82	106.42	187+07.50	187+14.69

NOTES

1. For General Notes see VG 493
2. For details above construction joint see VG-493

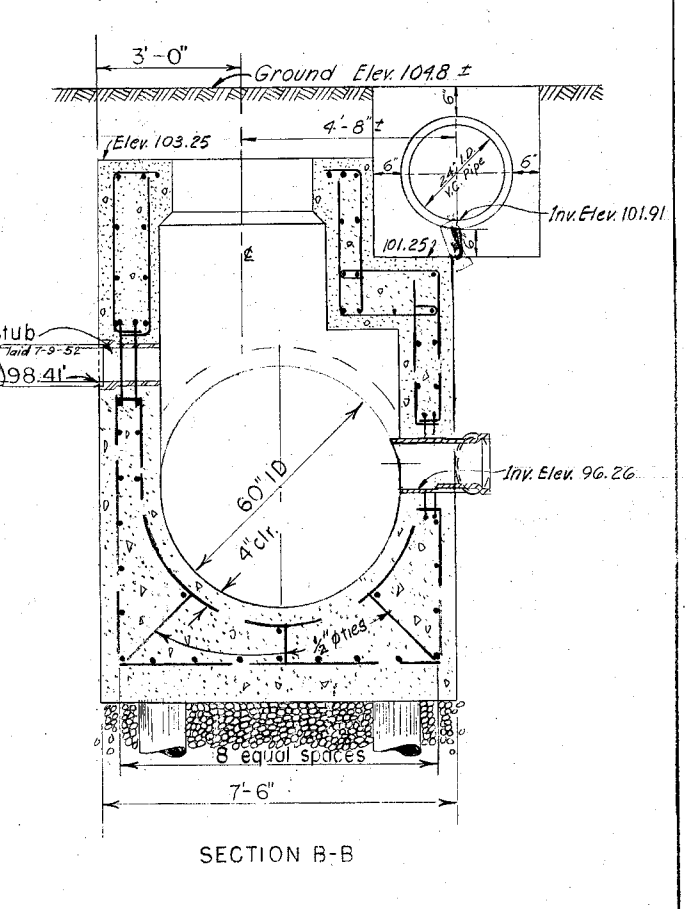
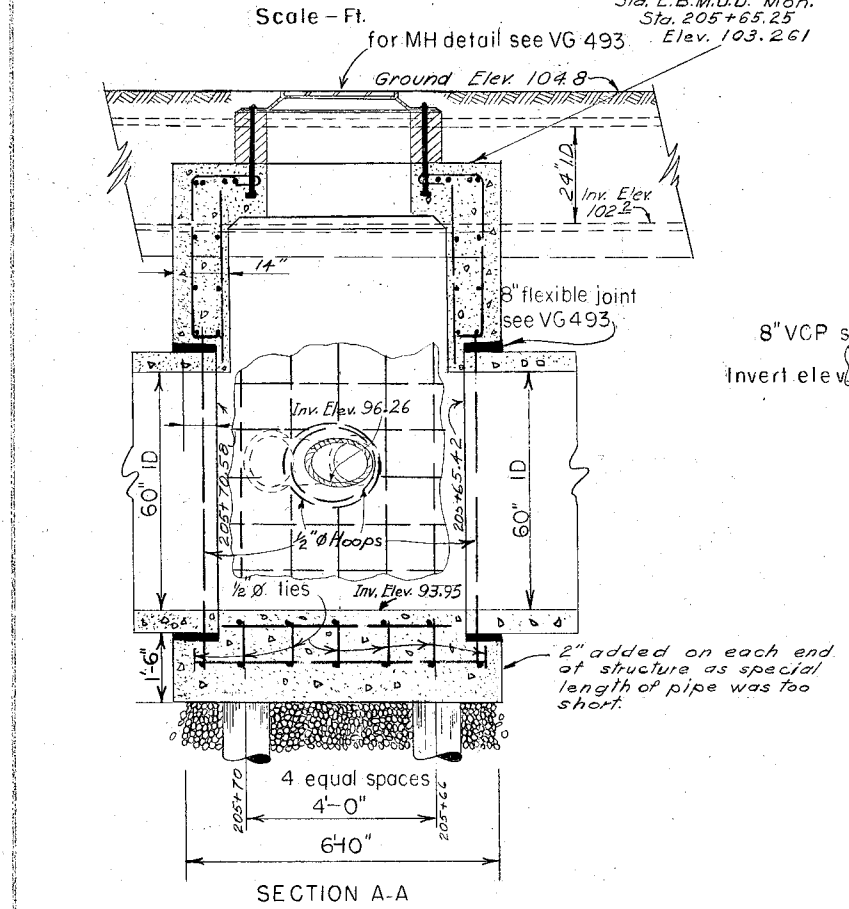
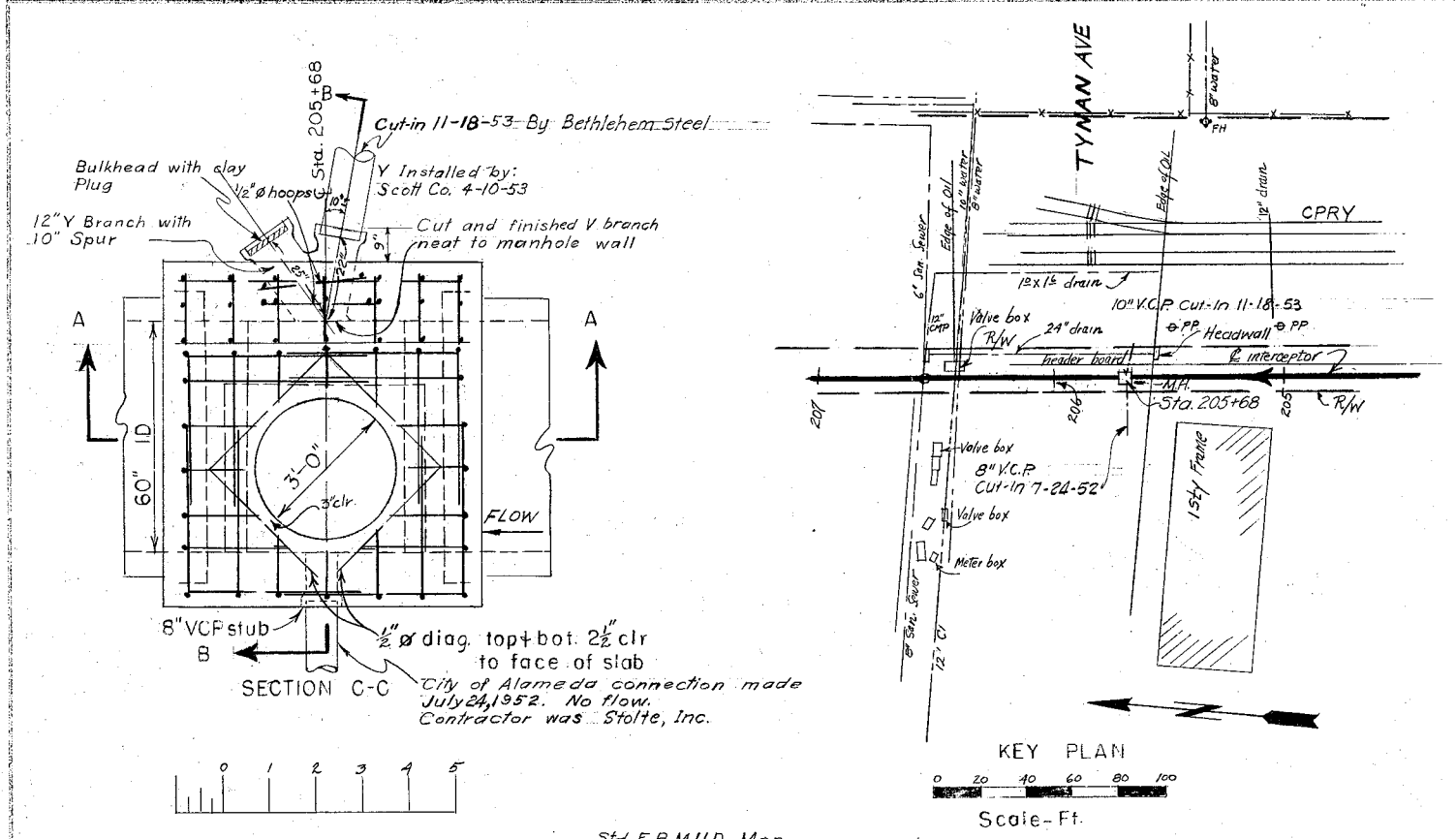
a. 82051 Added V.C. Stub LM/LC

EAST BAY MUNICIPAL UTILITY DISTRICT
SPECIAL DISTRICT NO. 1
OAKLAND, CALIFORNIA

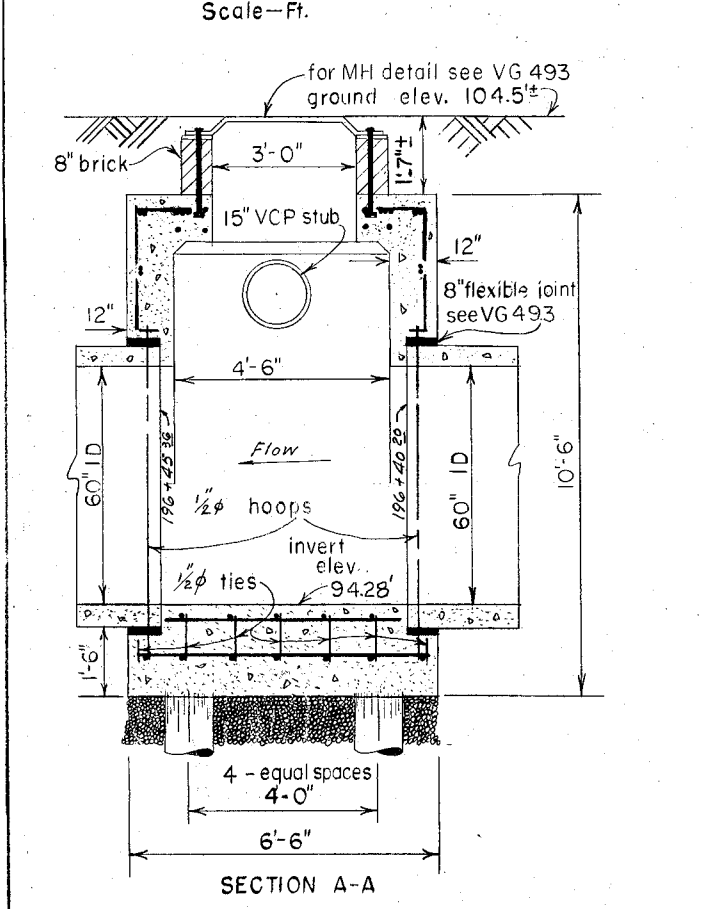
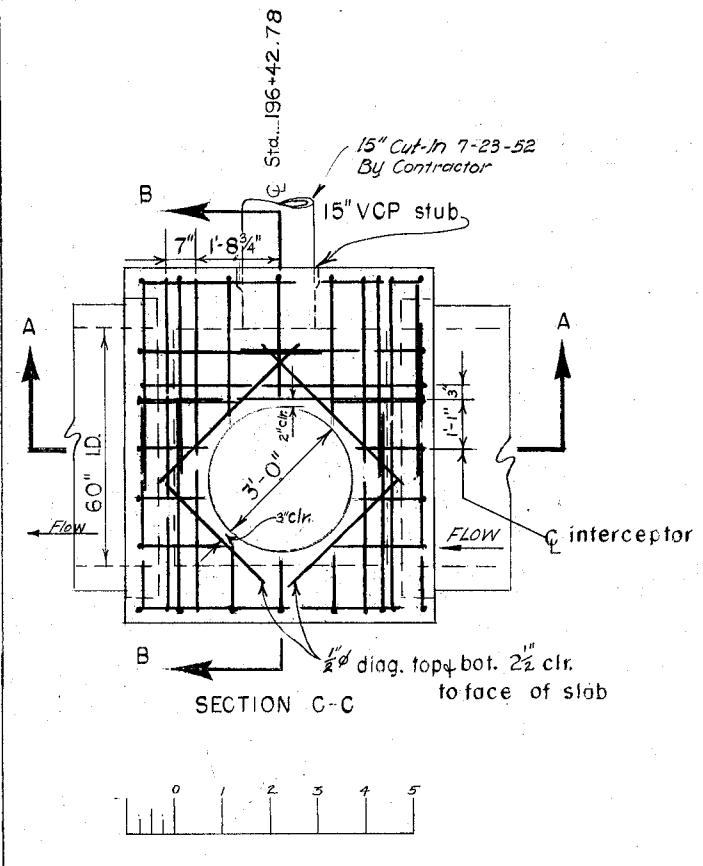
ALAMEDA INTERCEPTOR
MANHOLE STRUCTURES

STA. 185+74.26
STA. 217+60.86 & STA. 187+12.69
217+59.45 & STA. 187+09.50

DESIGNED BY J. Galvin
CHECKED BY W. G. Cooper
RECOMMENDED BY B. B. Pinner
APPROVED BY D. A. Post
DATE 9-12-50
No. VG-480

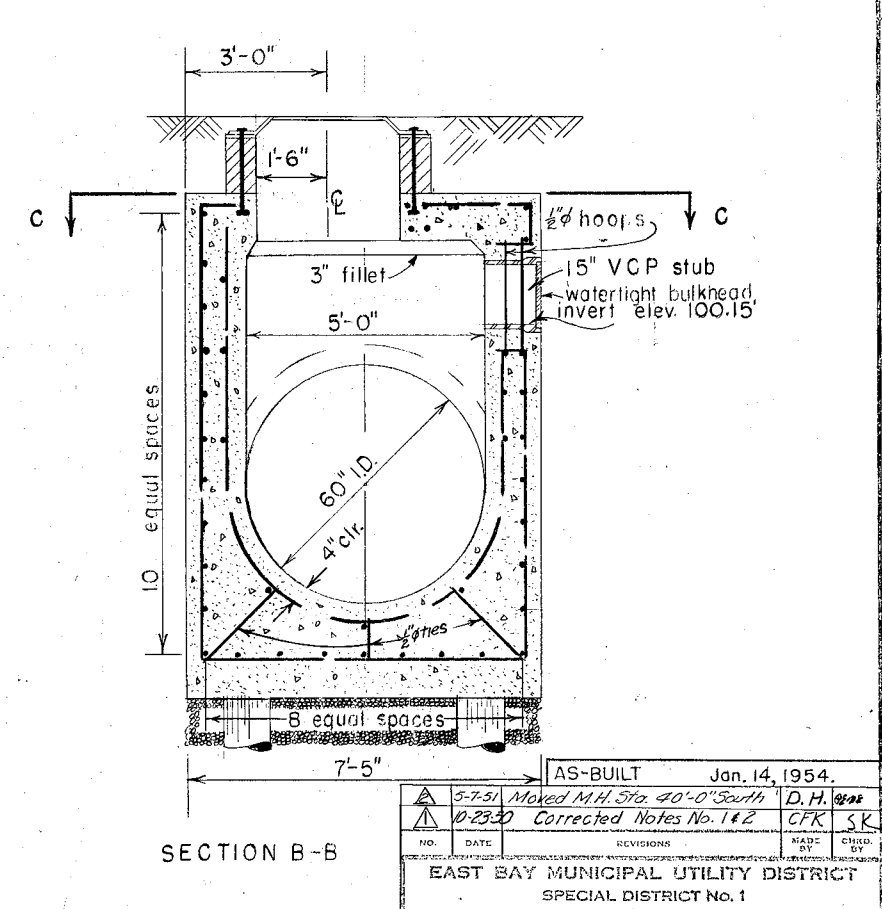
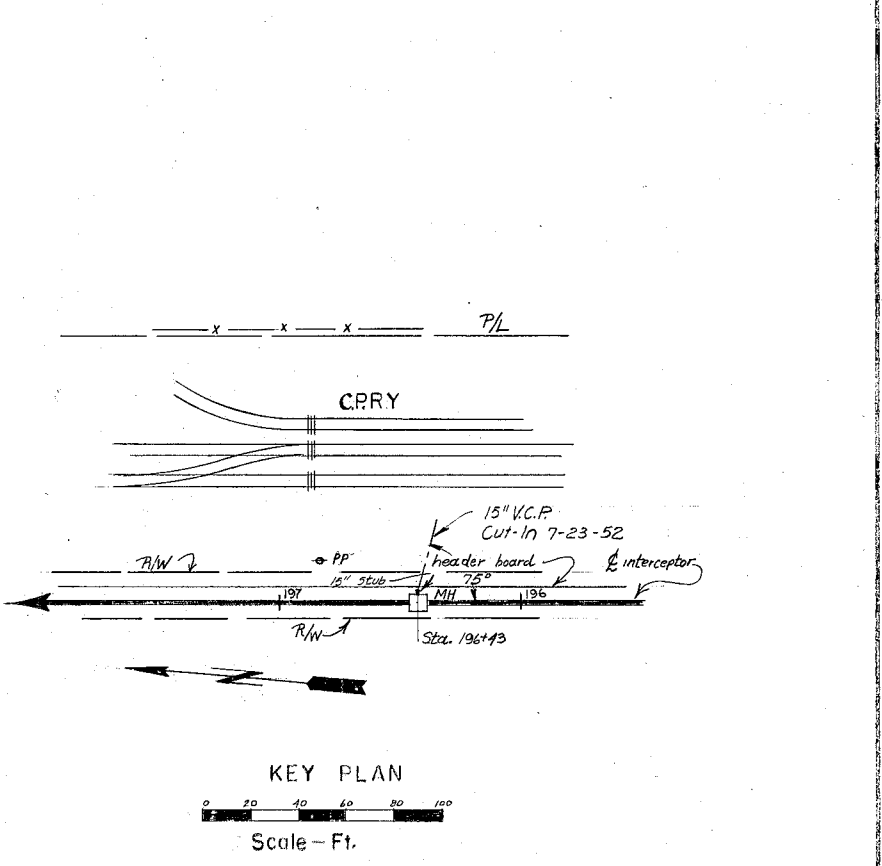


TYNAN AVENUE STRUCTURE
STATION 205+68



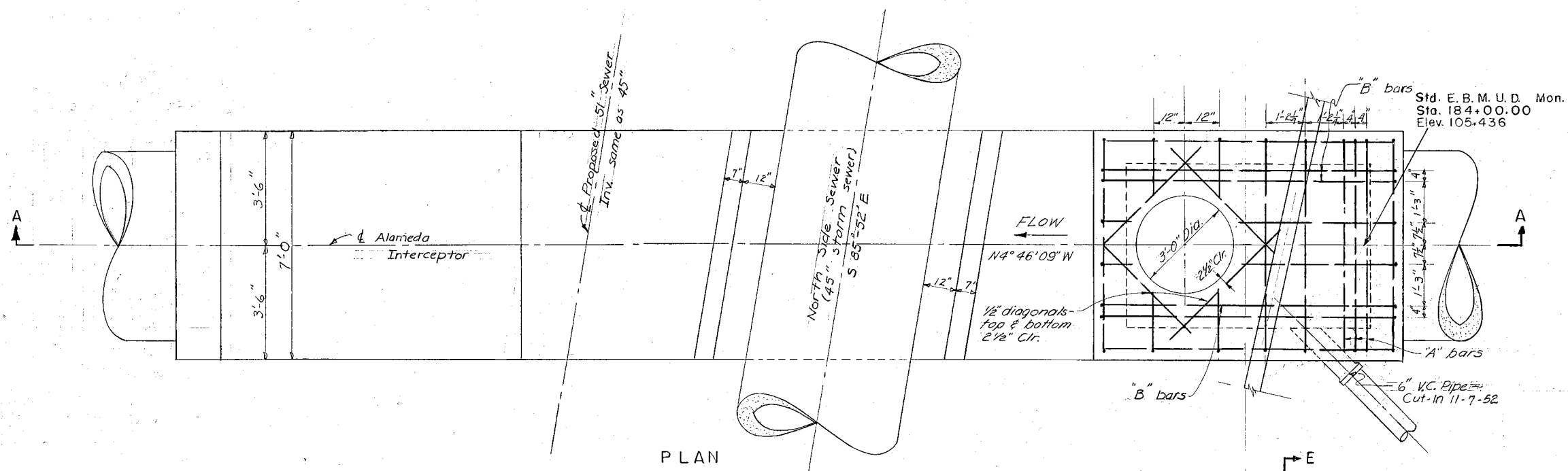
STATION 196+42.78

- NOTES
1. For General Notes see VG 493
 2. For pile foundation details see VG 493
 3. Gravel underdrain at option of Engineer, see specifications

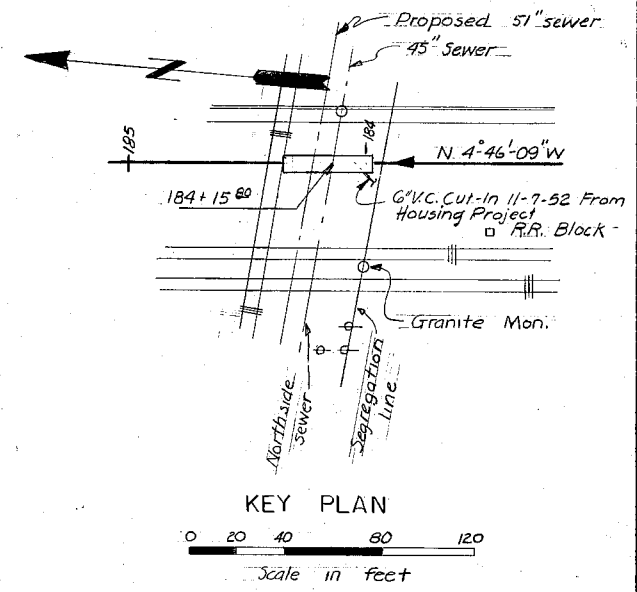


ALAMEDA INTERCEPTOR
MANHOLE STRUCTURES
STA. 196+42.78 & STA. 205+68

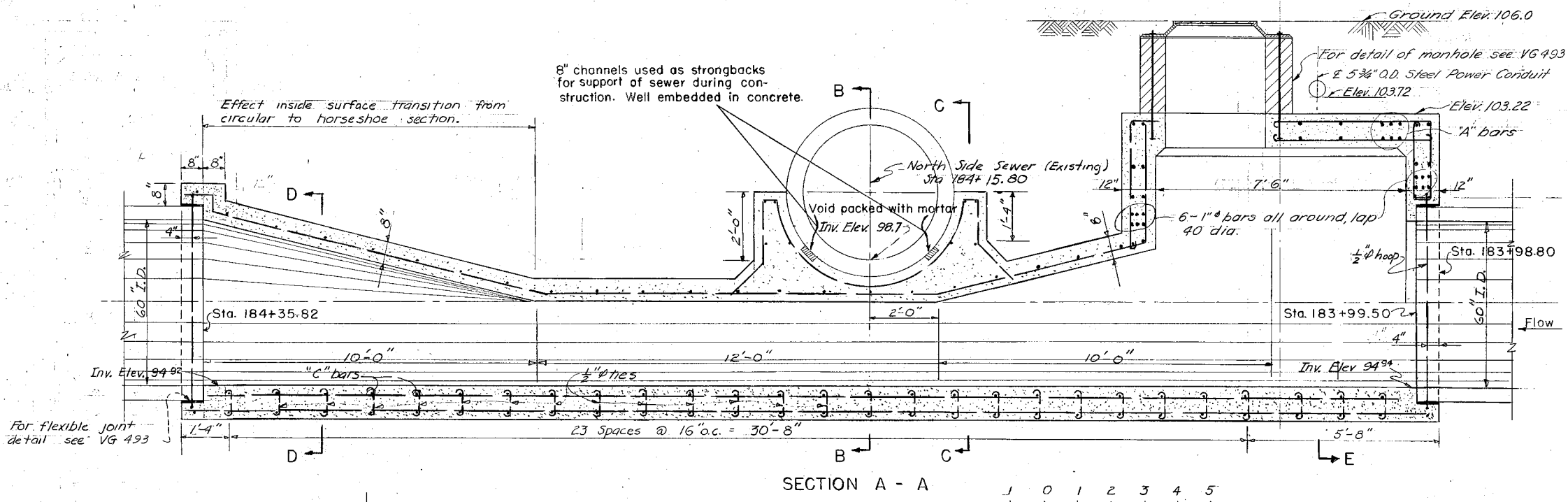
AS-BUILT Jan. 14, 1954.	
5-7-51 Moved M.H. Sta. 40'-0" South	D.H.
10-23-50 Corrected Notes No. 1 & 2	CFK
NO.	DATE
DESIGNED BY	TRACED BY
CHECKED BY	DATE
RECOMMENDED BY	APPROVED BY
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
ALAMEDA INTERCEPTOR MANHOLE STRUCTURES STA. 196+42.78 & STA. 205+68	
DESIGNED BY	TRACED BY
CHECKED BY	DATE
RECOMMENDED BY	APPROVED BY
No. VG 481	



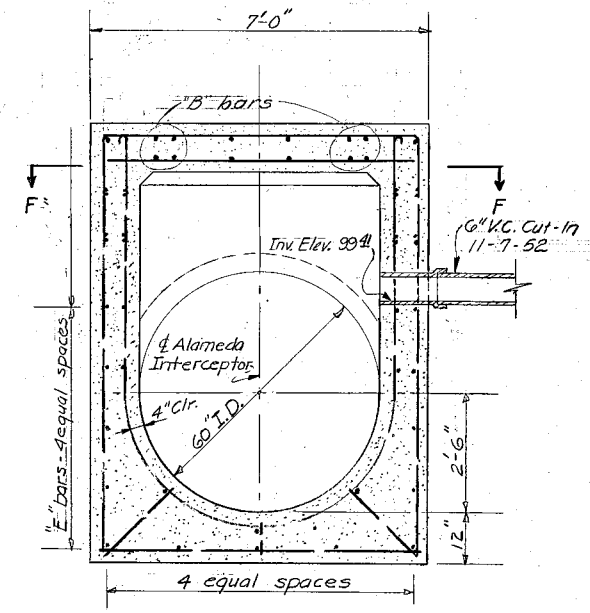
PLAN



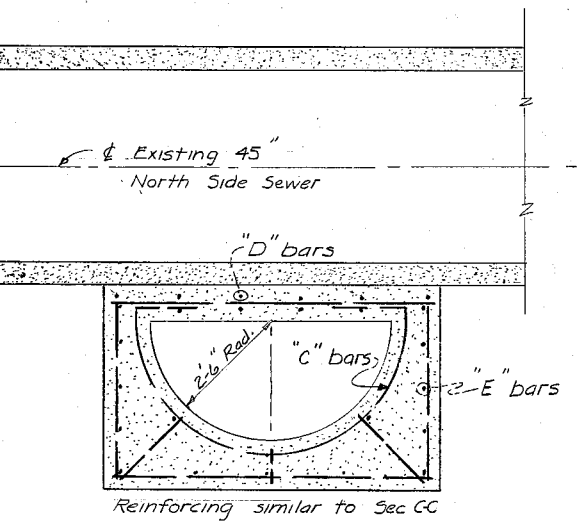
KEY PLAN
Scale in feet



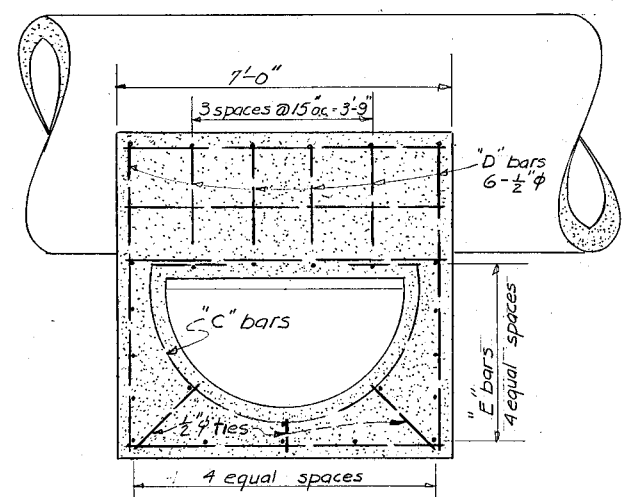
SECTION A - A



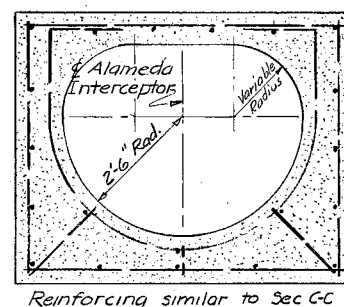
SECTION E - E



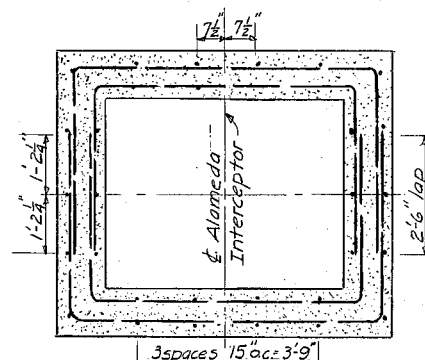
SECTION B - B



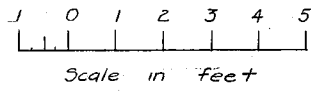
SECTION C - C



SECTION D - D

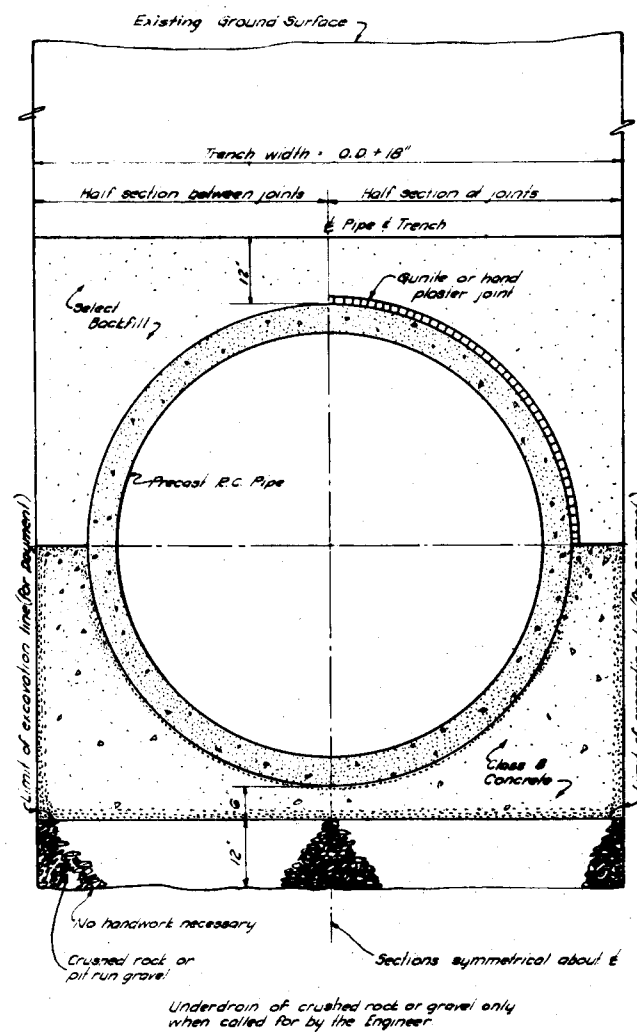


SECTION F - F

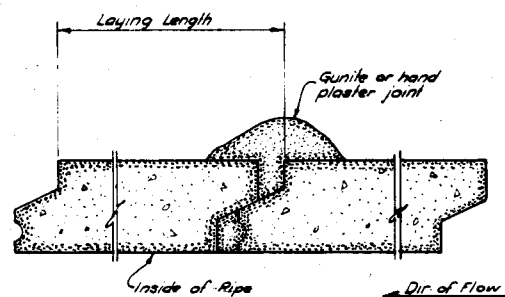


NOTES:
1. For General Notes see VG 493

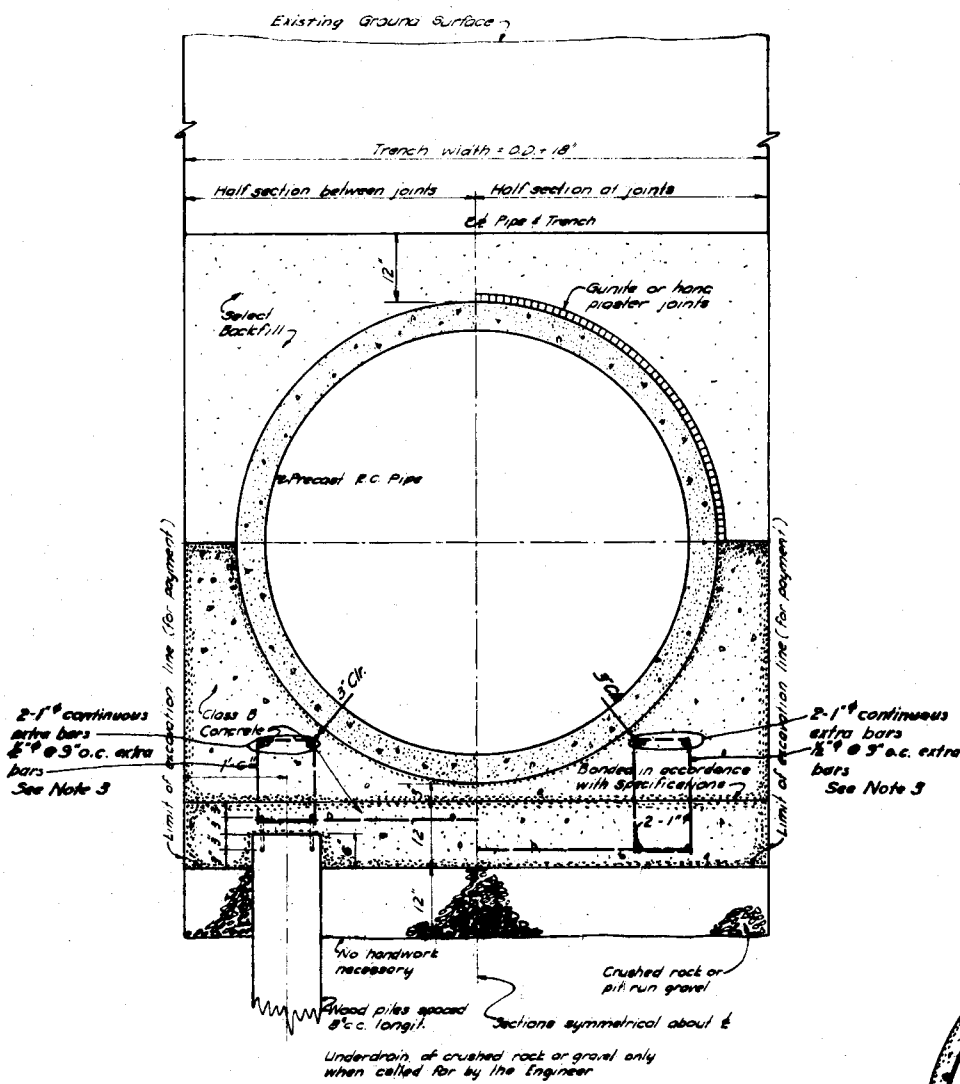
AS-BUILT		Jan. 14, 1954.		
6-21-51	Change location of M.H.	D.K.H.	H.L.L.	
10-23-51	Corrected Note No. 1.	CHK.	SK	
NO.	DATE	REVISIONS	MADE BY	CHKD BY
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA				
ALAMEDA INTERCEPTOR MANHOLE STRUCTURE STA. 184+15.80 NORTH SIDE SEWER CROSSING				
DESIGNED BY R.B. Rutigan		DRAWN BY R.B.R.		
CHECKED BY R.B. Rutigan		DATE 9-12-50		
RECOMMENDED BY A.B. Chisler		NO. VG 482		
APPROVED [Signature]		MANAGER SEWAGE DISPOSAL ENGINEERING AND CONSTRUCTION		



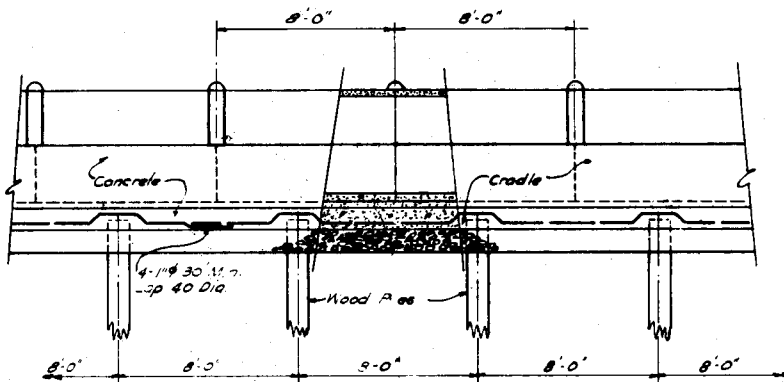
CONCRETE CRADLE BEDDING



LAYING LENGTH AND TYPICAL JOINT



PILE FOUNDATION BEDDING

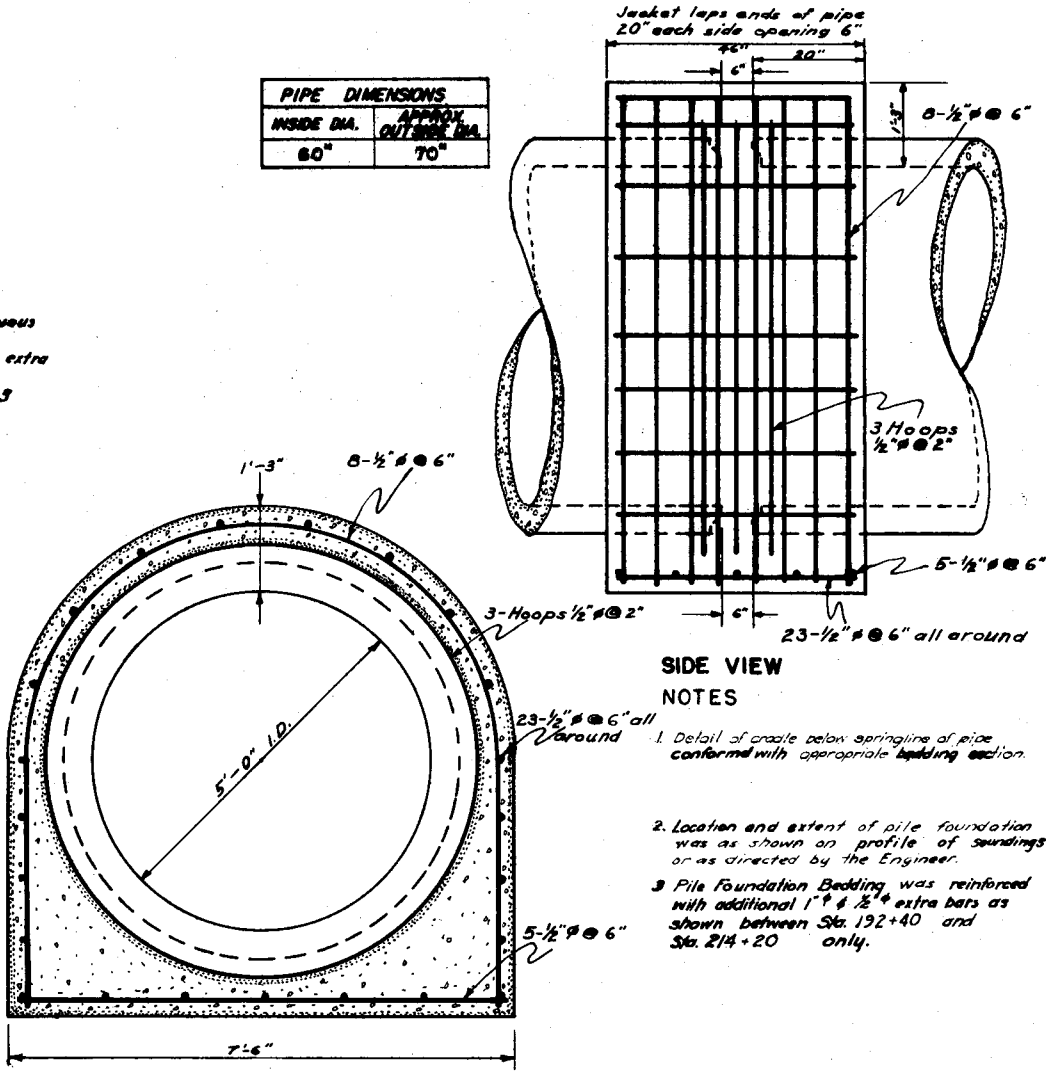


PILE AND PIPE JOINT SPACING

UNSUITABLE FOUNDATION MATERIAL

If in the opinion of the Engineer, unsuitable foundation material is encountered at the bottom of the trench, at the direction of the Engineer excavate an additional 24" min. & replace with select or imported backfill. Where use of crushed rock is directed by the Engineer it was placed as the lower 12" of the select or imported backfill material described above. The above does not apply where the Engineer directs the use of pile foundation bedding. (The approximate extent of unsuitable foundation material is indicated on the profile of soundings and Plan & Profile sheets, and is given for bidding purposes only.)

PIPE DIMENSIONS	
INSIDE DIA.	APPROX. OUTSIDE DIA.
60"	70"



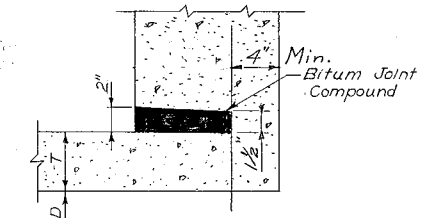
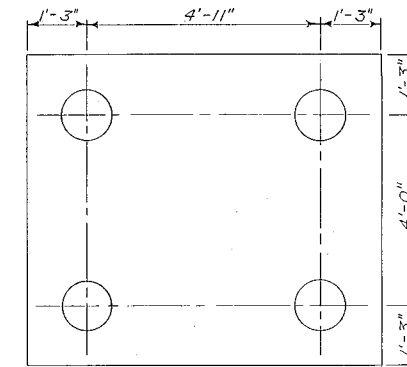
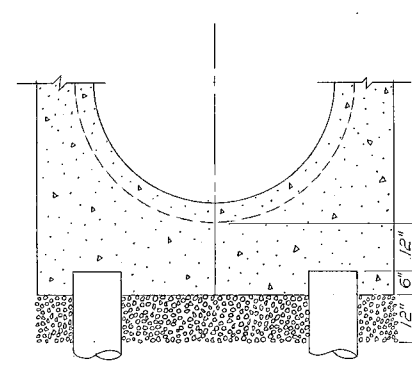
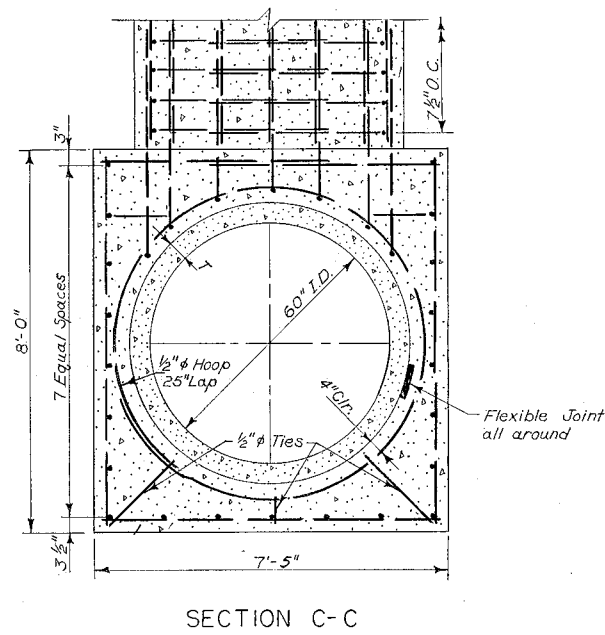
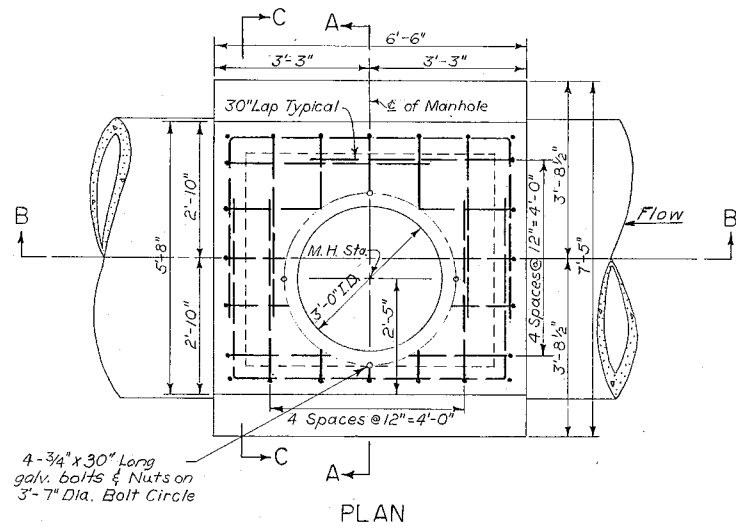
SIDE VIEW NOTES

- Detail of cradle below springline of pipe conform with appropriate building section.
- Location and extent of pile foundation was as shown on profile of soundings or as directed by the Engineer.
- Pile Foundation Bedding was reinforced with additional 1" # 1/2" extra bars as shown between Sta. 192+40 and Sta. 214+20 only.

DETAIL FIELD JOINT STA. 177+42 SEE V6 491

AS-BUILT		JAN. 8, 1984.	
1	10/23/83	Added Steel # Note No 3	CEK SK
NO.	DATE	REVISION	MADE BY
EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT No. 1 OAKLAND, CALIFORNIA			
ALAMEDA INTERCEPTOR			
TYPICAL TRENCH & JOINT DETAILS			
DRAWN BY R.S.S. & R.E.C.		TRACED BY M.E.C.	
CHECKED BY [Signature]		DATE 1-10-88	
RECOMMENDED BY [Signature]		SCALE NONE	
APPROVED [Signature]		No V6 490	

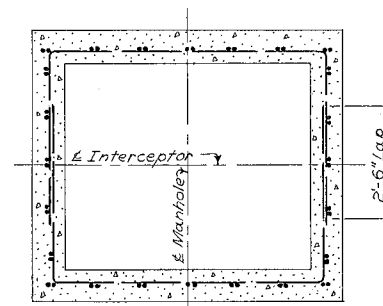
APPROVED [Signature] R.E. 848
SEN. SEWAGE DISPOSAL ENGINEERING AND CONSTRUCTION



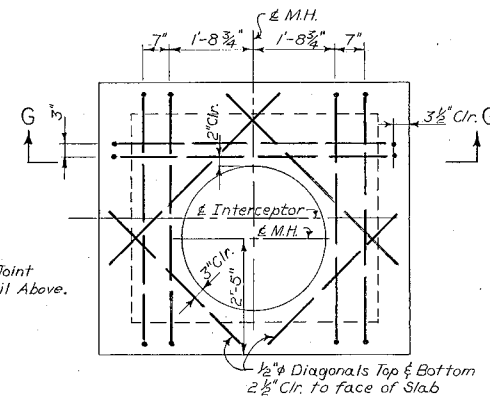
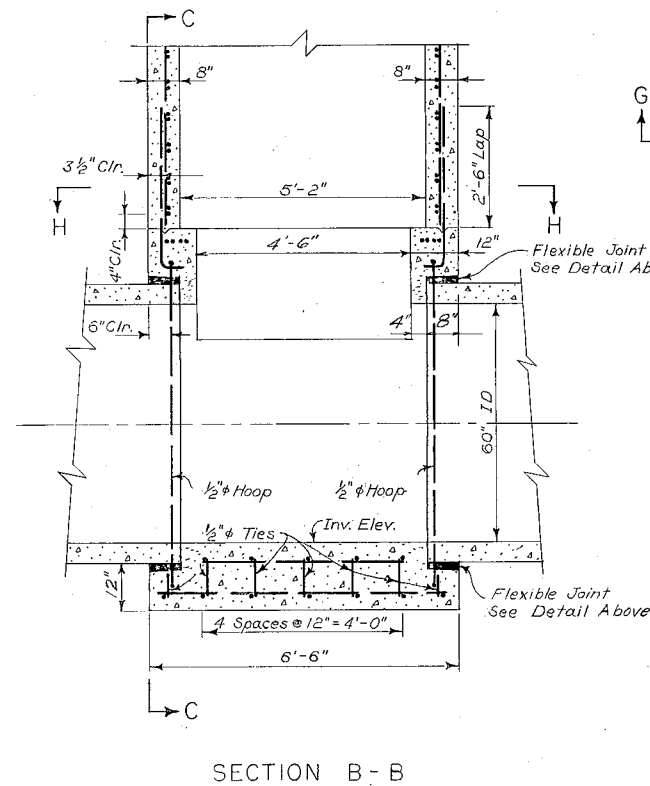
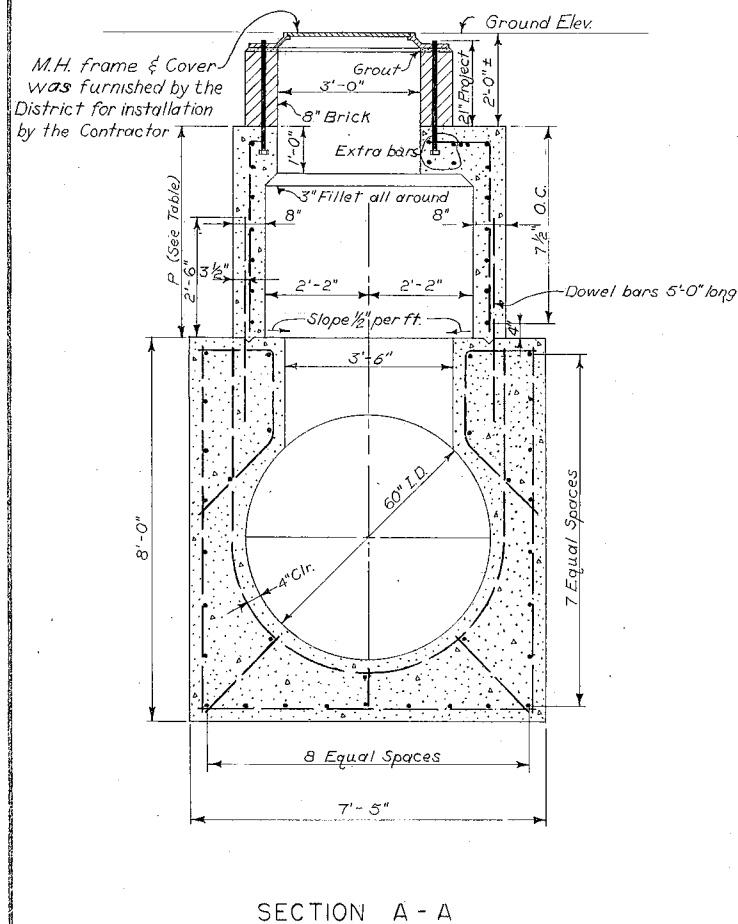
Bell End Pipe - Hand Plaster Groove, Tongue End Pipe - Move inside Oakum gasket 2"± toward outside face of M.H. No reinforcing shown.

MODIFICATION FOR PILE FOUNDATION

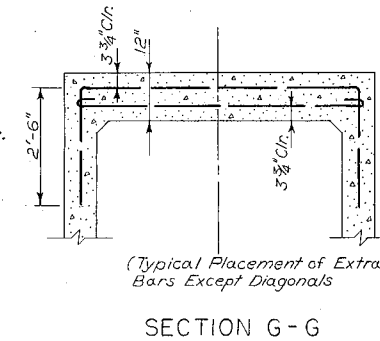
For length of piles see VG 462, 463, 464.



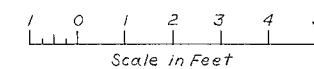
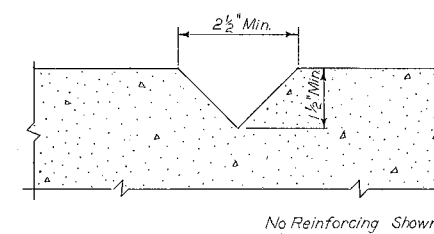
MH Station (Approx)	Present Ground Elev.	Approx. Invert Elev.	D	T	P	d	Remarks
							NONE



ROOF SLAB - EXTRA BARS



SECTION G-G



GENERAL NOTES:

- All bars 3/4" dia unless otherwise noted.
- Reinforcing steel was 3" clear of face of concrete unless otherwise noted.
- All exterior corners was chamfered 1".
- For additional details see Plan & Profile.
- Pile foundation was used only if called for by the Engineer.

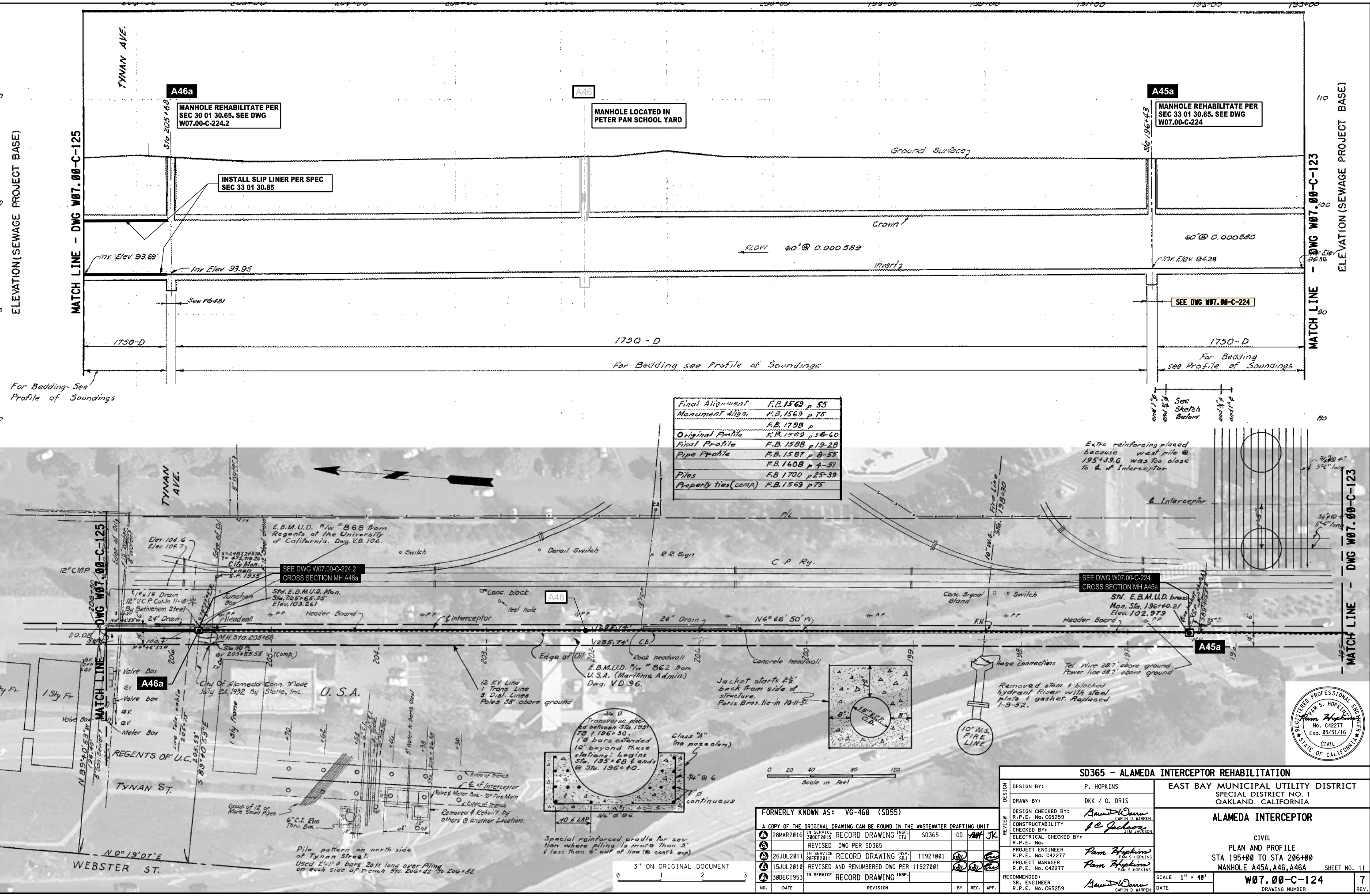
APPROVED: *[Signature]*
MANAGER SEWAGE DISPOSAL ENGINEER AND CONSTRUCTION

AS-BUILT		Jan. 8, 1954.	
NO.	DATE	REVISIONS	MADE BY
EAST BAY MUNICIPAL UTILITY DISTRICT			
SPECIAL DISTRICT No. 1			
OAKLAND, CALIFORNIA			
ALAMEDA INTERCEPTOR			
STANDARD MANHOLE			
& MISCELLANEOUS DETAILS			
DESIGNED BY	MOUNT	DRAWN BY	MOUNT
CHECKED BY	<i>[Signature]</i>	DATE	3-21-50
RECOMMENDED BY	<i>[Signature]</i>	APPROVED BY	<i>[Signature]</i>
			No VG 493

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 REF 9:
 REF 4:
 REF 5:
 REF 6:

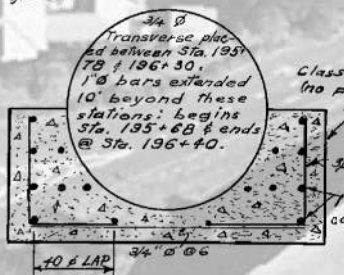
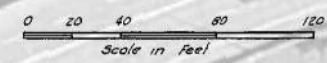
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USER: odr:15
 DATE: 01-APR-2016 09:29
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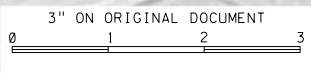


Final Alignment	F.B. 1569 p 55
Monument Align.	F.B. 1569 p 75
	F.B. 1798 p
Original Profile	F.B. 1569 p 54-60
Final Profile	F.B. 1588 p 19-28
Pipe Profile	F.B. 1587 p 8-53
	F.B. 1608 p 4-51
Piles	F.B. 1700 p 25-39
Property ties (comp.)	F.B. 1569 p 75

Extra reinforcing placed because west pile @ 195+39.6 was too close to E. of Interceptor

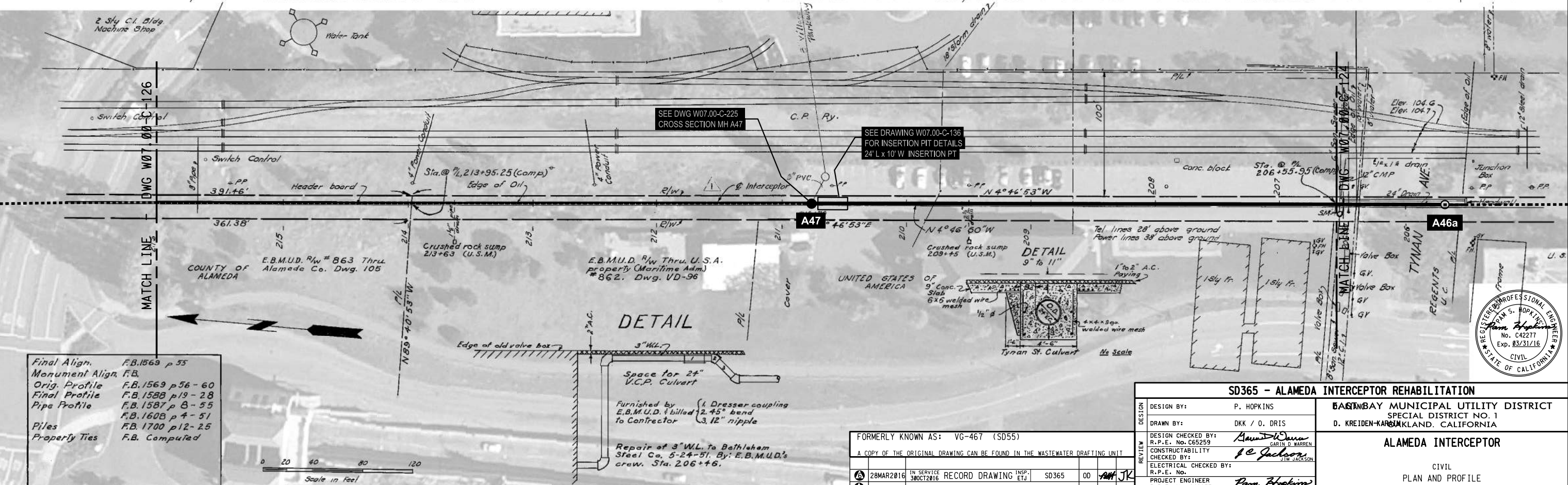
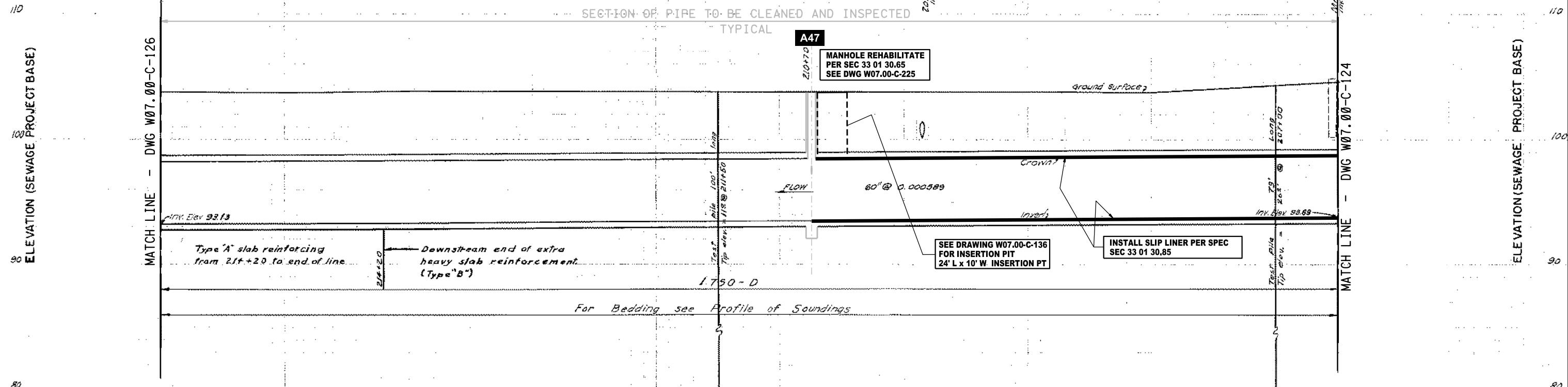


Special reinforced cradle for section where piling is more than 3' & less than 6' out of line (see cont. exp)

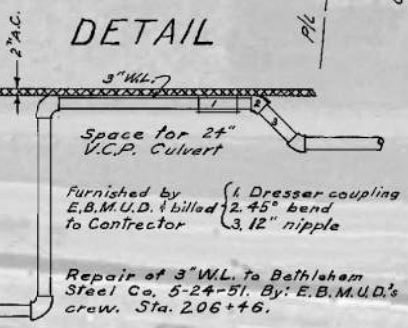
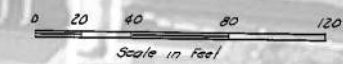


SD365 - ALAMEDA INTERCEPTOR REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY:	P. HOPKINS	ALAMEDA INTERCEPTOR	
DRAWN BY:	DKK / O. DRIS	CIVIL PLAN AND PROFILE STA 195+00 TO STA 206+00 MANHOLE A45A, A46, A46A	
DESIGN CHECKED BY:	<i>Pam Hopkins</i> R.P.E. No. C42277	SHEET NO. 11	
CONSTRUCTABILITY CHECKED BY:	<i>f.c. Jackson</i> R.P.E. No. C42277	DRAWING NUMBER	
ELECTRICAL CHECKED BY:	R.P.E. No.	SCALE 1" = 48'	
PROJECT ENGINEER	<i>Pam Hopkins</i> R.P.E. No. C42277	DATE	
PROJECT MANAGER	<i>Pam Hopkins</i> R.P.E. No. C42277	W07.00-C-124	
RECOMMENDED:	<i>Pam Hopkins</i> SR. ENGINEER R.P.E. No. C65259	7	

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 REF 4: J:\w07_alameda_interceptor\archive\w0700c125.r04
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Final Align.	F.B. 1569 p 55
Monument Align.	F.B.
Orig. Profile	F.B. 1569 p 56-60
Final Profile	F.B. 1588 p 19-28
Pipe Profile	F.B. 1587 p 8-55
	F.B. 1608 p 4-51
Piles	F.B. 1700 p 12-25
Property Ties	F.B. Computed



NO.	DATE	REVISION	BY	REC.	APP.
6	28MAR2016	IN SERVICE RECORD DRAWING	INS. SD365	OD	AM JK
5		REVISED DWG PER SD365			
4	26JUL2011	IN SERVICE RECORD DRAWING	INS. SD365		
3	15JUL2010	REVISED AND RENUMBERED DWG PER 11927001			

SD365 - ALAMEDA INTERCEPTOR REHABILITATION		BAYVIEW MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 D. KREIDEN-KARLSON, CALIFORNIA	
DESIGN BY:	P. HOPKINS	DESIGN CHECKED BY:	GARIN D. WARREN
DRAWN BY:	DKK / O. DRIS	CONSTRUCTABILITY CHECKED BY:	J. JACKSON
PROJECT ENGINEER:	Pam Hopkins	ELECTRICAL CHECKED BY:	
R.P.E. No. C42277			
PROJECT MANAGER:	Pam Hopkins		
R.P.E. No. C42277			
RECOMMENDED:			
SR. ENGINEER:	Garin D. Warren		
R.P.E. No. C65259			

FORMERLY KNOWN AS: VG-467 (SD55)
 A COPY OF THE ORIGINAL DRAWING CAN BE FOUND IN THE WASTEWATER DRAFTING UNIT

ALAMEDA INTERCEPTOR
 CIVIL
 PLAN AND PROFILE
 STA 206+50 TO STA 216+00
 MANHOLE A47

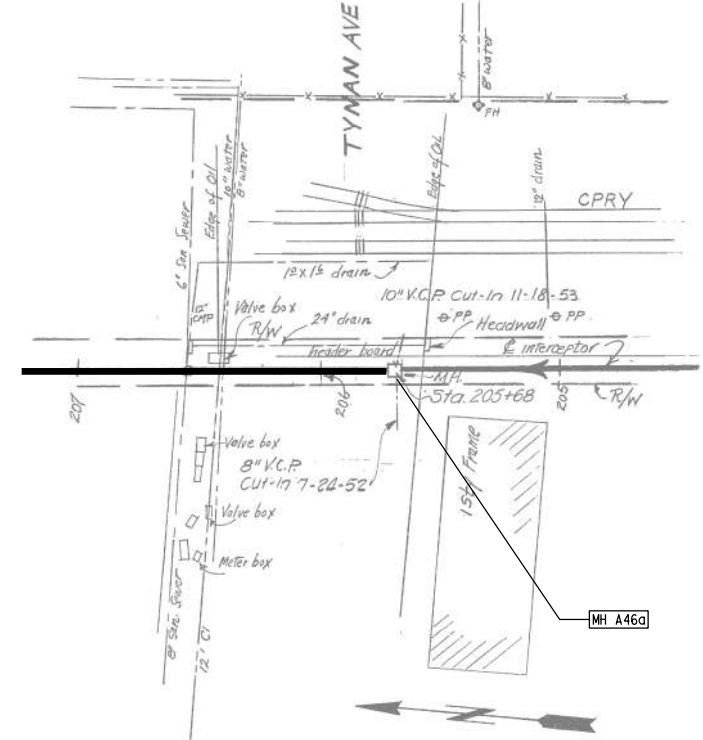
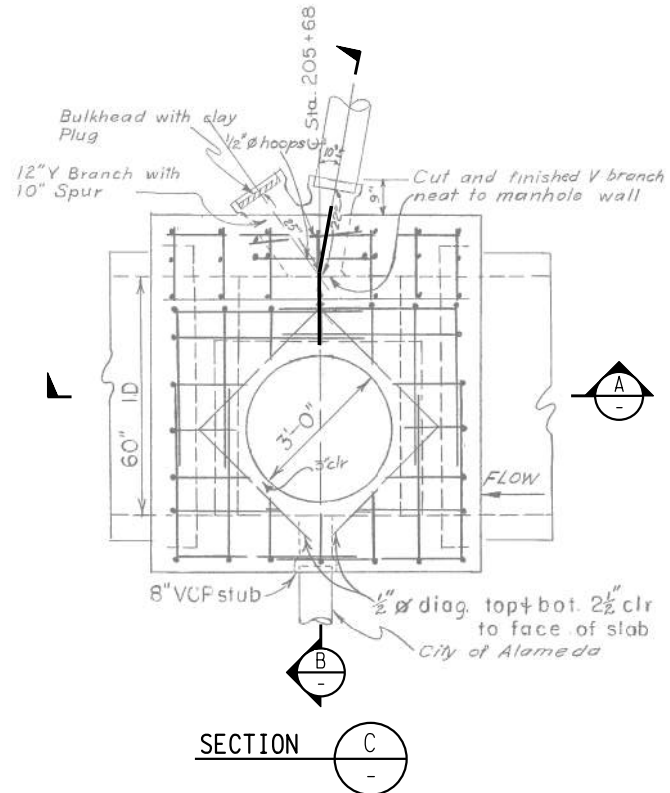
SCALE 1" = 40'
 DATE: _____

W07.00-C-125
 DRAWING NUMBER

SHEET NO. 12
 6
 REV.

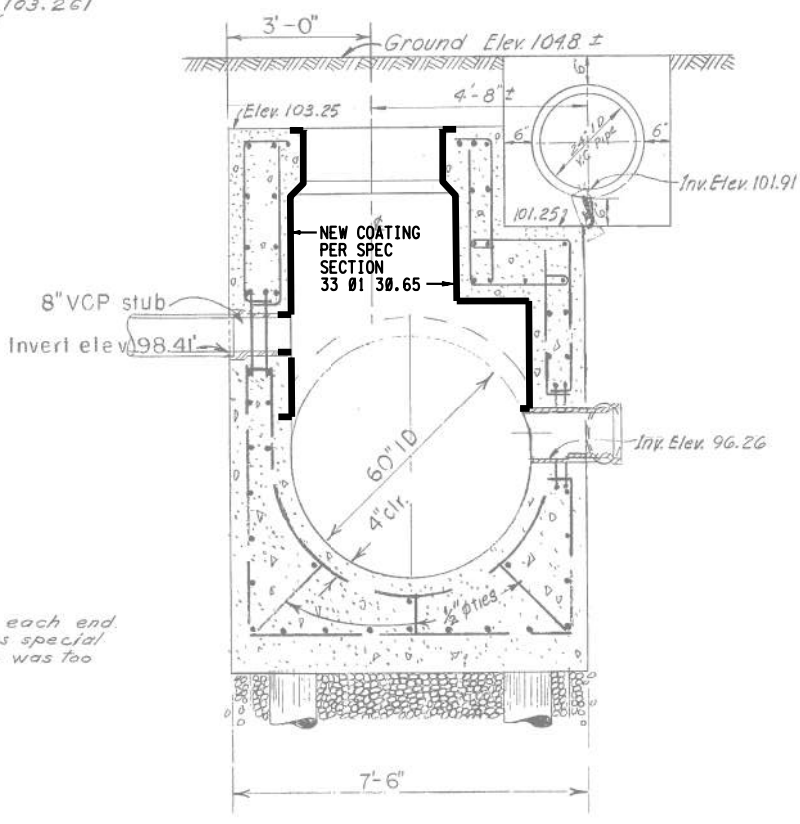
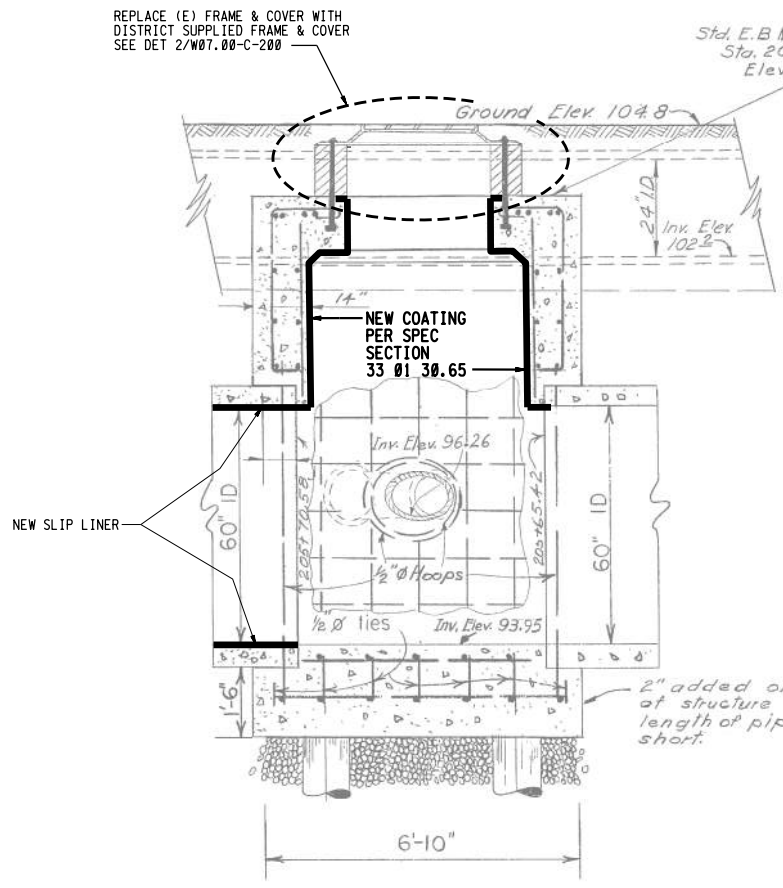


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REPAIR & REPAVE POTHOLE AT STORM DRAIN

1. ASSUME REMOVAL OF 4'x4' SECTION OF AC, RECOMPACTION OF AGGREGATE BASE AND NEW PAVING PLACEMENT.

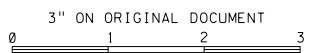


SECTION A

SECTION B

**TYNAN AVENUE STRUCTURE
MANHOLE A46a STA 205+68**

NOTE: TERMINUS OF A SLIP LINING SEGMENT.



SD365 - ALAMEDA INTERCEPTOR REHABILITATION		EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT NO. 1 OAKLAND, CALIFORNIA	
DESIGN BY:	P. HOPKINS	ALAMEDA INTERCEPTOR	
DRAWN BY:	O. DRIS	CIVIL CROSS SECTION MANHOLE A46a	
DESIGN CHECKED BY:	<i>Gavin D. Warren</i> GARIN D. WARREN	SHEET NO. 37	
CONSTRUCTABILITY CHECKED BY:	<i>Tim Jackson</i> TIM JACKSON	SCALE 1/2"=1'-0"	
ELECTRICAL CHECKED BY:		W07.00-C-224.2	
PROJECT ENGINEER:	<i>Pam Hopkins</i> PAM S. HOPKINS	15MAY2014	
PROJECT MANAGER:	<i>Pam Hopkins</i> PAM S. HOPKINS	DRAWING NUMBER	
RECOMMENDED:	<i>Gavin D. Warren</i> GARIN D. WARREN	DATE	
SR. ENGINEER:		REV.	
R.P.E. No. C65259		6	

NO.	DATE	REVISION	BY	REC.	APP.
5	28MAR2016	IN SERVICE RECORD DRAWING	INS.	SD365	OD RHH JK
4	14JAN1954	REVISED AND RENUMBERED DWG PER SD365			
3		AS-BUILT			

