



DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 19, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (SPL-2015-00944-RAG) for a Department of the Army permit for your proposed project, Jamacha Channel Maintenance. The project is located behind the residence at 6857 Jamacha Road, City of San Diego, San Diego County, California (Latitude 32.70991°N and Longitude -117.04999°W) (Figures 1-3).

Most of the proposed work was initiated and completed on January 10, 2016, following a Regional General Permit (RGP) No. 63 notification sent to the U.S. Army Corps of Engineers (Corps) on December 24, 2015. The work occurred west of 69th Street and extended 277 linear feet downstream to 68th Street. The staging and access areas were located along the south and north sides of the channel along established dirt easements. A hydraulic excavator was used to remove the sediment and vegetation and was stationed outside of the channel and outside of Corps jurisdictional limits. Once the material was removed it was loaded into dump trucks and taken to the Miramar Landfill for disposal.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your project complies with RGP No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact the earthen lined section of Jamacha channel by removing approximately 0.095 acre (277 linear feet) of sediment and vegetation, which includes 0.055 acre of wetland waters of the U.S.
2. Temporarily impact Jamacha Channel by placing fill consisting of a sand bag berm approximately 2 feet wide, 3 feet high, and 10 feet long in the channel during maintenance activities to prevent upstream flows from entering the work area. The sandbag berm is to be placed in the location depicted in Figure 4 – Sandbag Berm Placement.

For this RGP verification letter to be valid, you must comply with **all of the terms and conditions of RGP No. 63** - Repair and Protection Activities in Emergency Situations, available at <http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx>.

Furthermore, you must comply with the following non-discretionary Special Conditions:

1. The sandbag berm and all equipment shall be removed within one week of completed work.
2. All work shall be monitored by a qualified biologist and equipment removed from the site upon completion of the work.
3. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.
4. The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. according to Section VI of Regional General Permit Number 63. Specifically, impacts to wetland waters of the U.S.
5. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP.

PROVIDING THIS REPORT IS MANDATORY. At a minimum the Report shall include the following:

- a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
- b. Full description of the activity including:
 - i. Description of the emergency and the potential for loss of life or property;
 - ii. Purpose of the activity;
 - iii. Final goal of the entire activity;
 - iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
 - v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
 - vi. Quantities of materials used.
- c. Information on receiving waterbody impacted including:
 - i. Name of waterbody;
 - ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
 - iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;

- iv. Compensatory mitigation in acres/cubic yards/linear feet; and
 - v. Other mitigation steps (to avoid, minimize, compensate).
- d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
- i. Temporary/permanent adverse impacts;
 - ii. Compensatory mitigation; and
 - iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, please contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. Van Sant III', with a long horizontal stroke extending to the right.

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

Enclosures

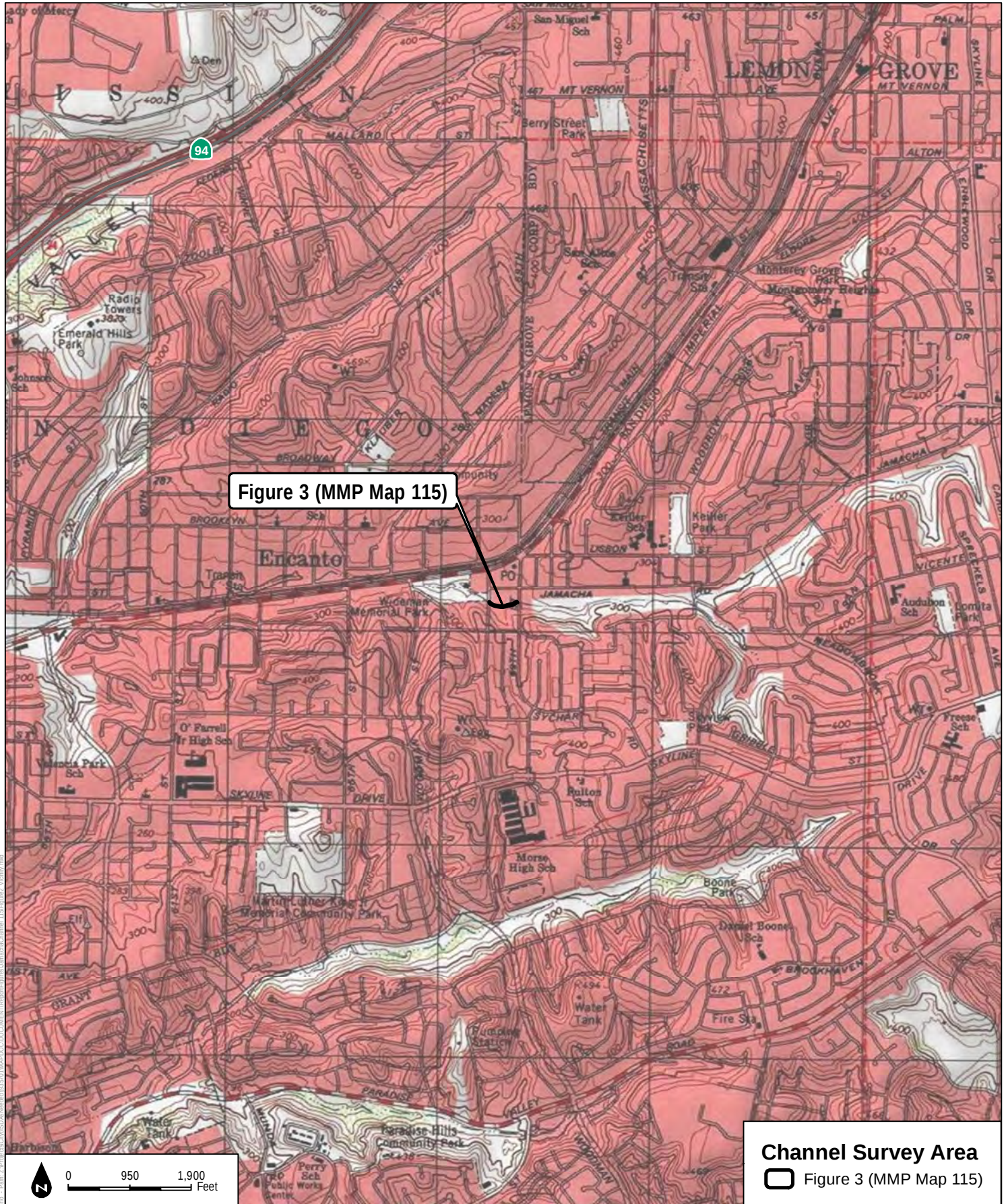


Copyright © 2014 Esri

FIGURE 1
Regional Map

DUDEK

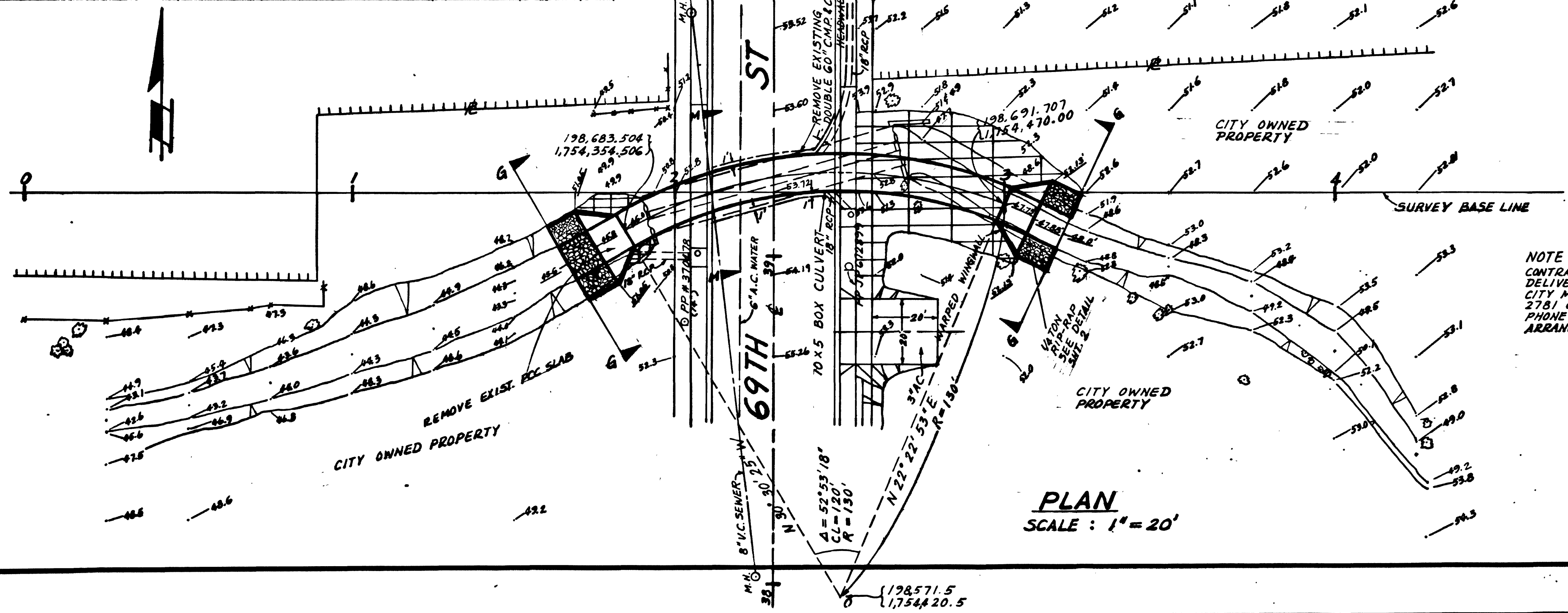
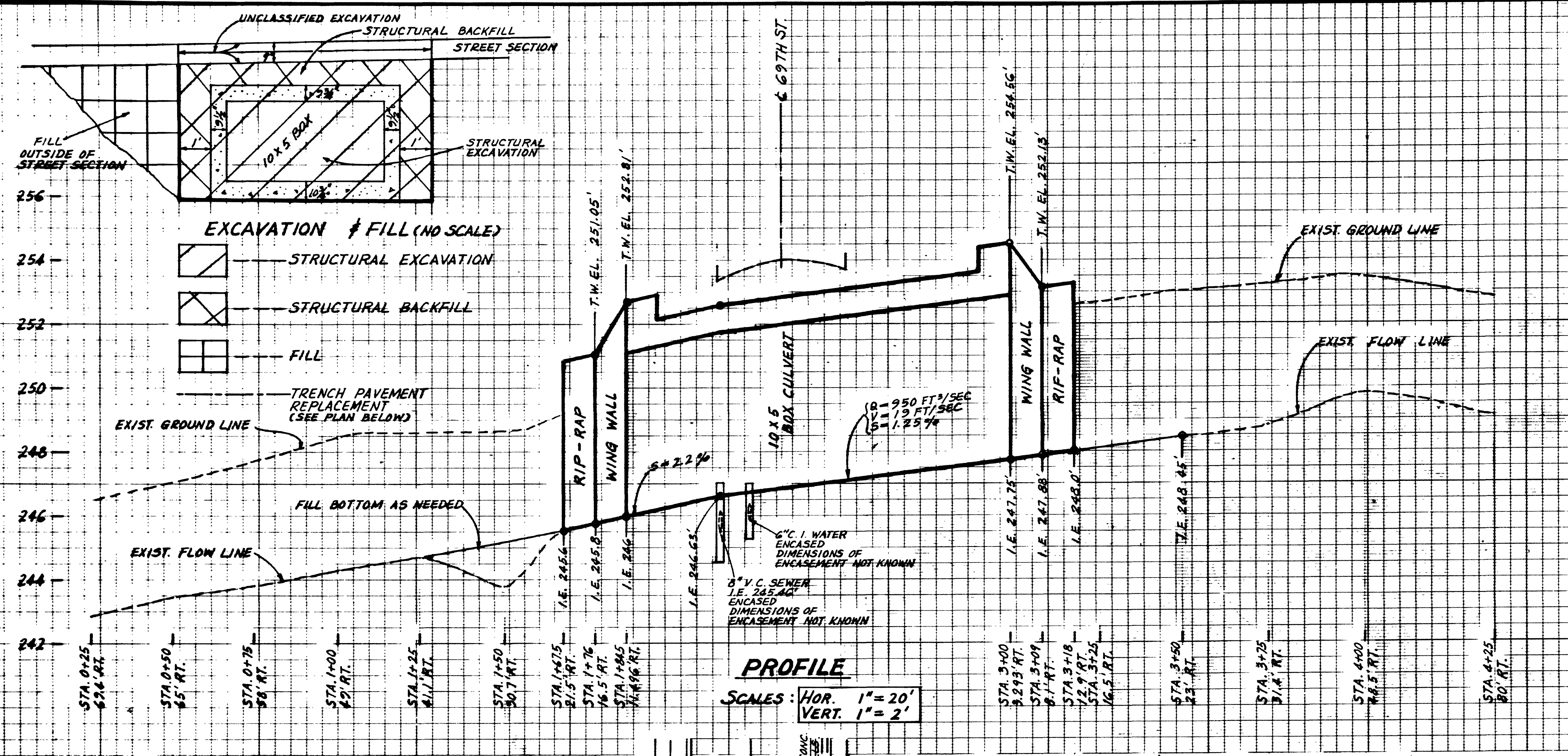
Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

FIGURE 2
Vicinity Map

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance



WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS.

SPECIFICATIONS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 1982 EDITION,
CITY OF SAN DIEGO STANDARD PROVISIONS, DOCUMENT NO. 768688
FILED MAY 5, 1983.
STANDARD SPECIAL PROVISIONS - 1982 EDITION (REGIONAL STANDARD SPECIAL PROVISIONS),
SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, (1982 EDITION) AND
CITY OF SAN DIEGO STANDARD DRAWINGS, DOC. NO. 768710, FILED JUNE 22, 1983.
WORK AREA TRAFFIC CONTROL - 1977 EDITION, DOC. NO. 757526
FILED JAN. 21, 1980.

BENCH MARK

NEBP AT 69TH & JAMACHA ELEVATION 253.371 M.S.L.
(NOTE: CURRENT CITY BENCH BOOK SHOWS 253.241 M.S.L.)

FIELD NOTES

BURRIS 198-1752 7-13-82 N.O. 118187

REFERENCE DRNGS.

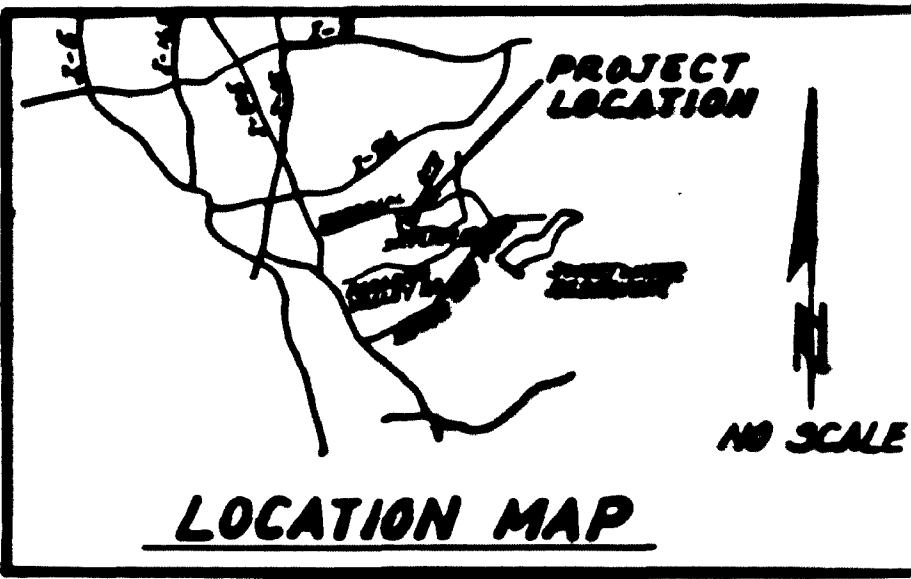
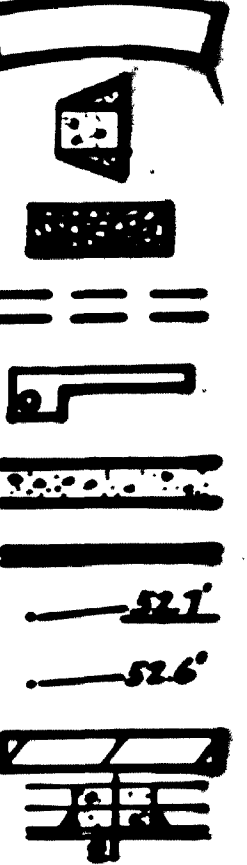
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10036-11-D, 10298-1-D, 10298-2-D, 10298-3-D,
11271-L, 15190-9-D, 15190-10-D, 18777-D, 6182-W.

IMPROVEMENTS

STD. DRWG.

LEGEND

- 10x5 BOX CULVERT D-76
- WARPED WINGWALL, CUT-OFF WALL & CONC. APRON D-80.1
- 1/4 TON RIP-RAP
- 18" R.C.P.
- 15' TYPE B-1 INLET D-2.1, D-11
- 3 1/2" PCC SIDEWALK Q-7.1
- 6" TYPE G CURB & GUTTER Q-2
- FINISHED ELEVATION
- EXISTING GROUND ELEVATION
- AC PAVEMENT ON 68TH ST
- 20' CONC. DRIVEWAY Q-14.1



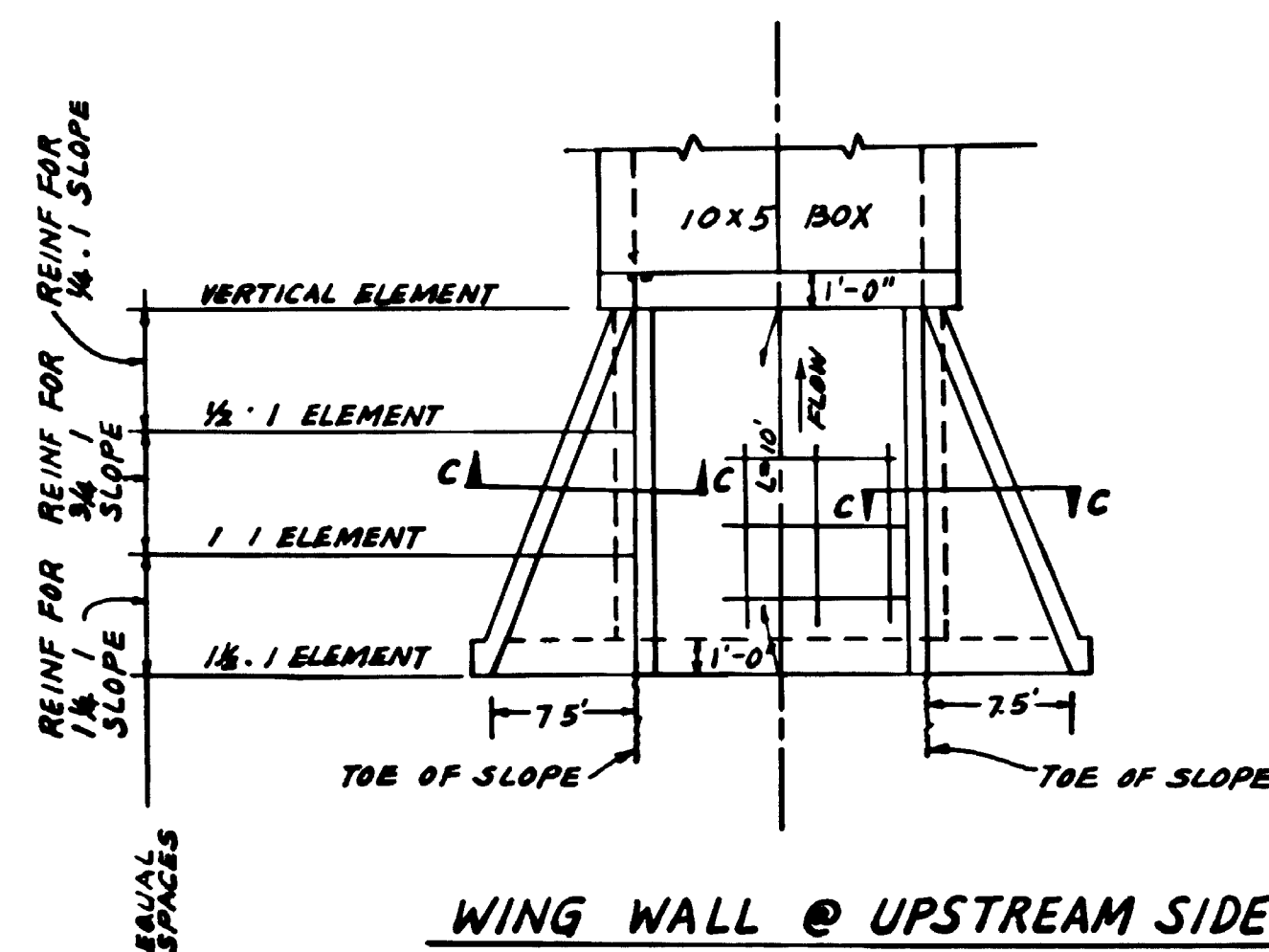
NOTE:
CONTRACTOR TO SALVAGE AND DELIVER THE 60" CMP TO THE CITY MAINTENANCE YARD 2781 CAMINITO CHOLLAS PHONE 234-6999 FOR ARRANGEMENT OF DELIVERY.

CITY CONTRACT SPECIFICATION NO. 5291

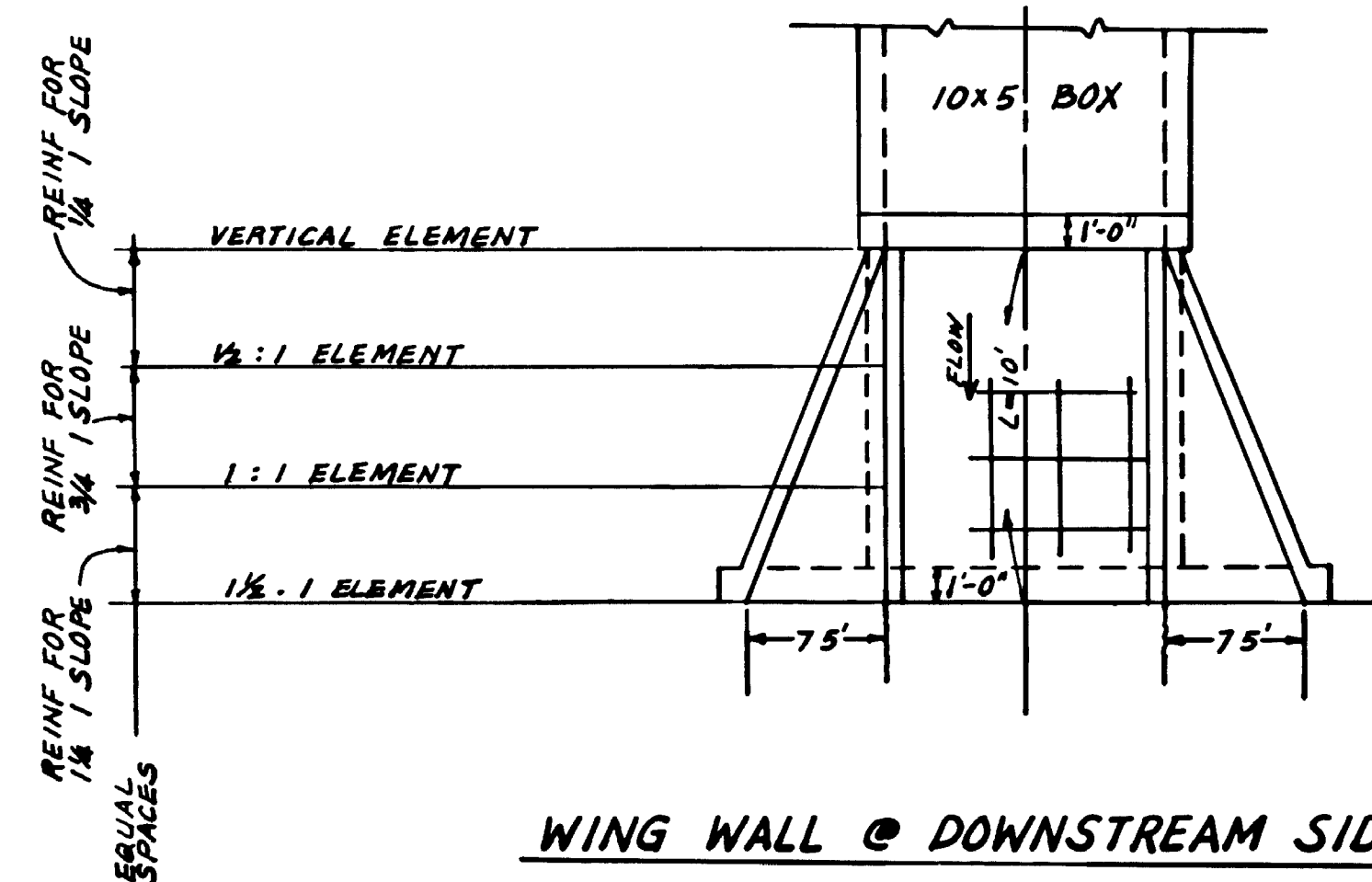
IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA				N.O. 118187	
ENGINEERING DEPARTMENT				DATE: 7/1/82	
SHEET 1 OF 5 SHEETS				DRAWN BY: J. QUINCA	
DESIGNER	BY	APPROVED	DATE	PLANNED	
AS-BUILT	C.L.	J.E.	08/23/82		
				128-1753	
CONTRACTOR: J. QUINCA				21431-1-D	

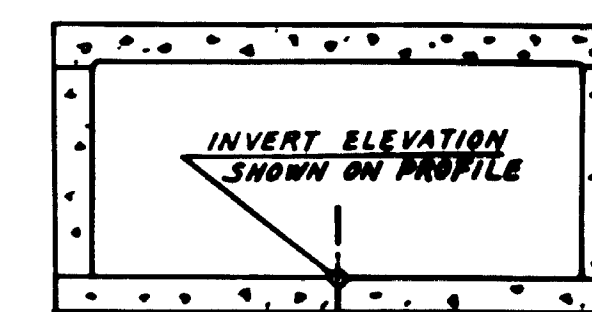
AS-BUILT



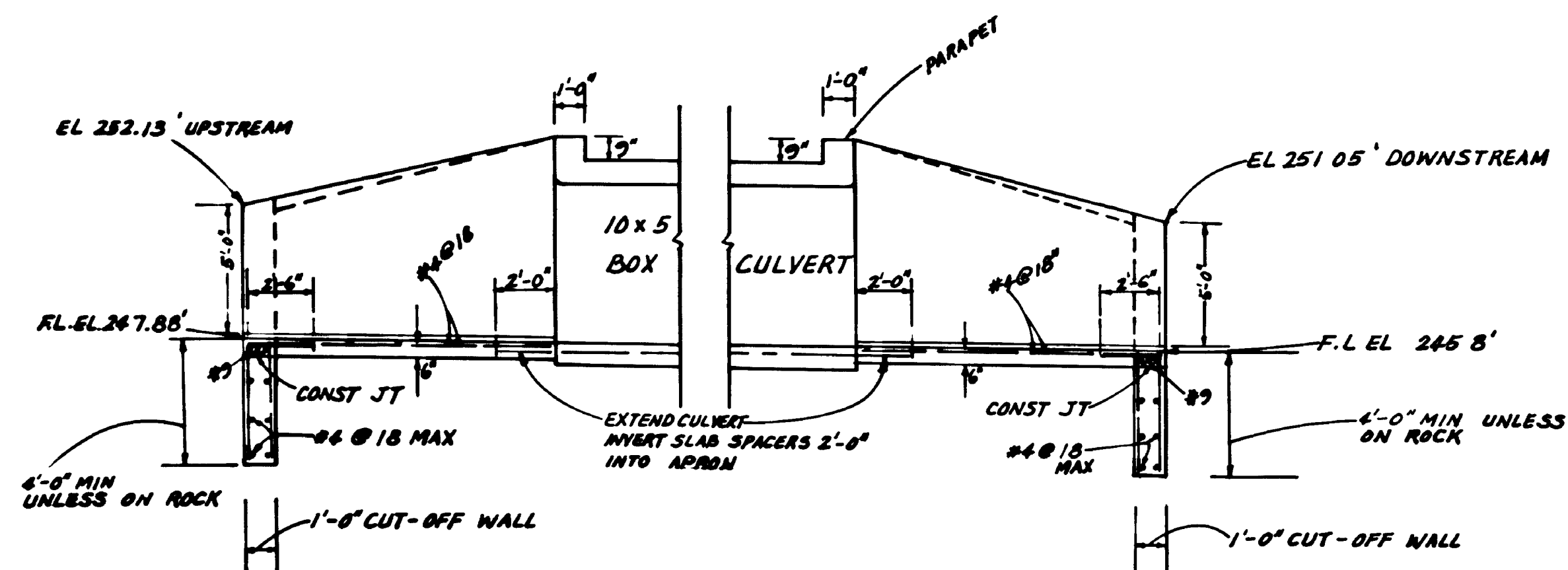
WING WALL @ UPSTREAM SIDE
PLAN
NO SCALE



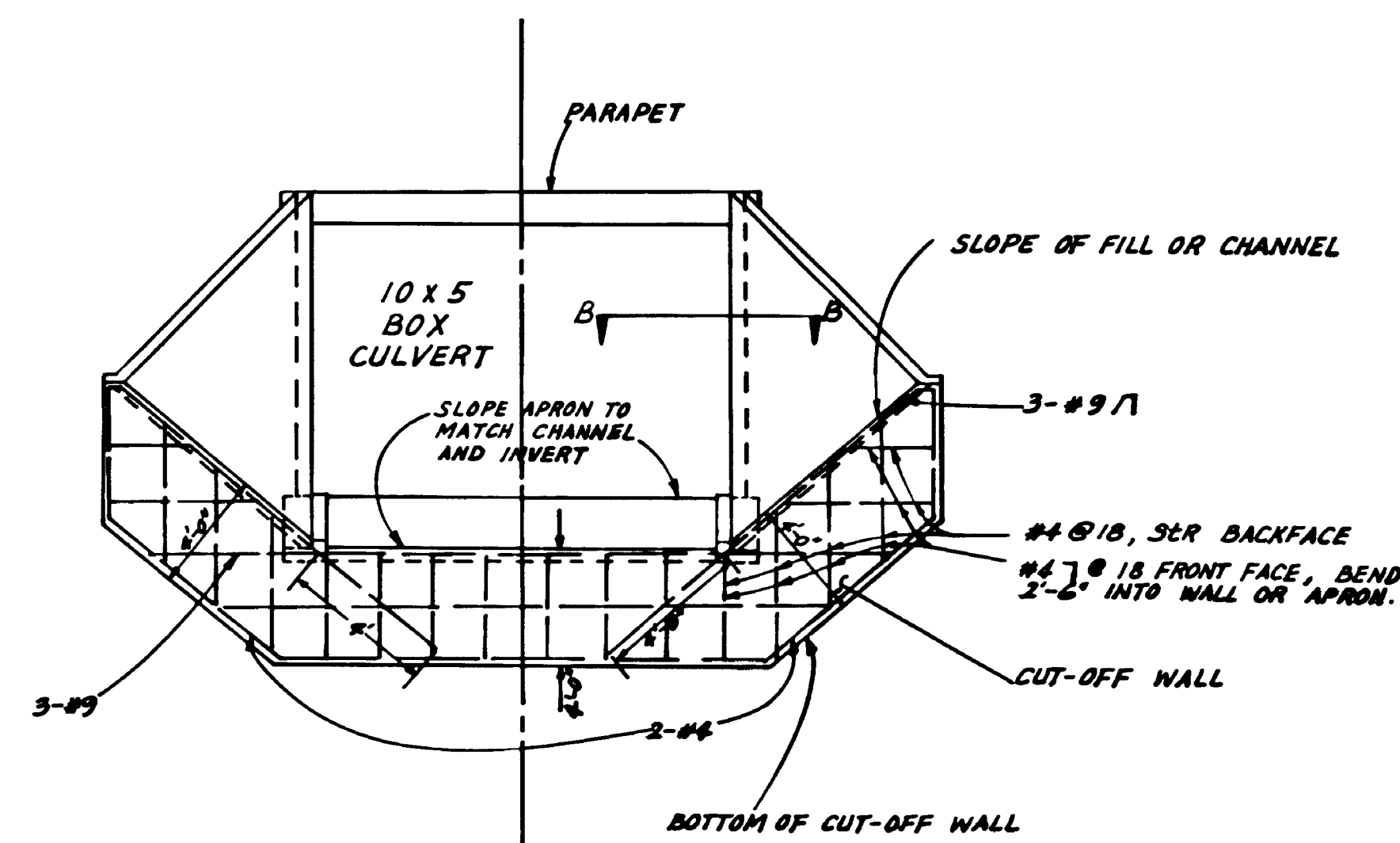
WING WALL @ DOWNSTREAM SIDE
PLAN
NO SCALE



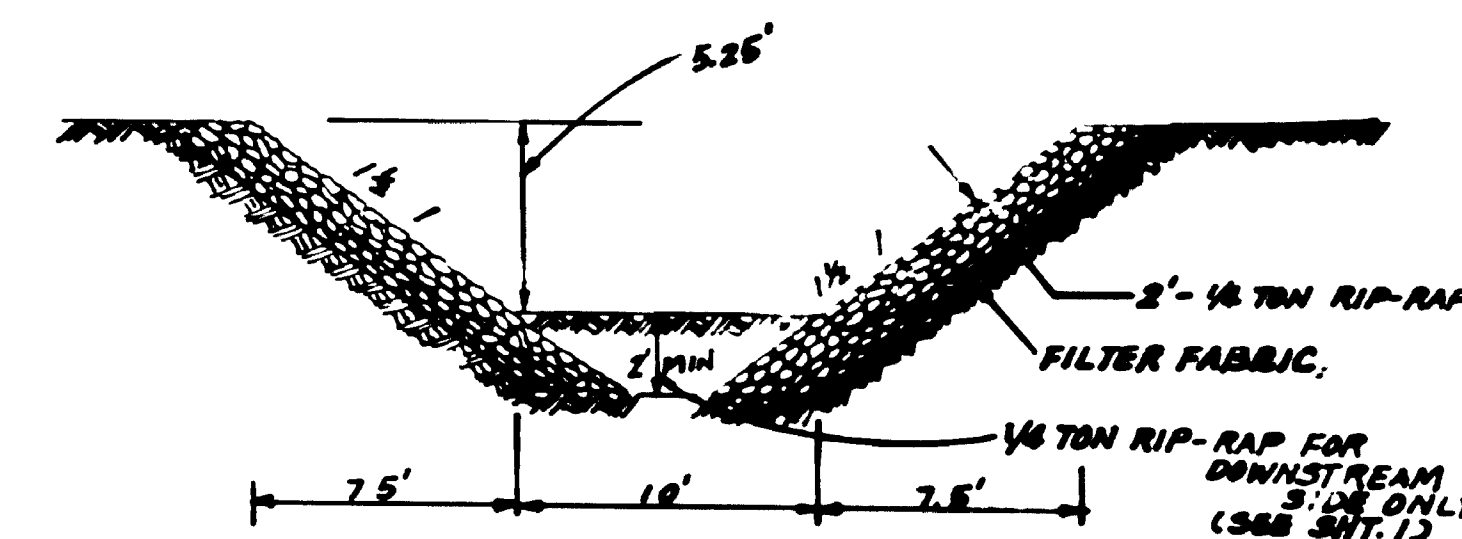
FLAT INVERT
10x5 BOX CULVERT (NO SCALE)
(FOR STEEL REINFORCEMENTS, SEE
CITY STANDARD DRAWING D-76.)



PART LONGITUDINAL SECTION (NO SCALE)

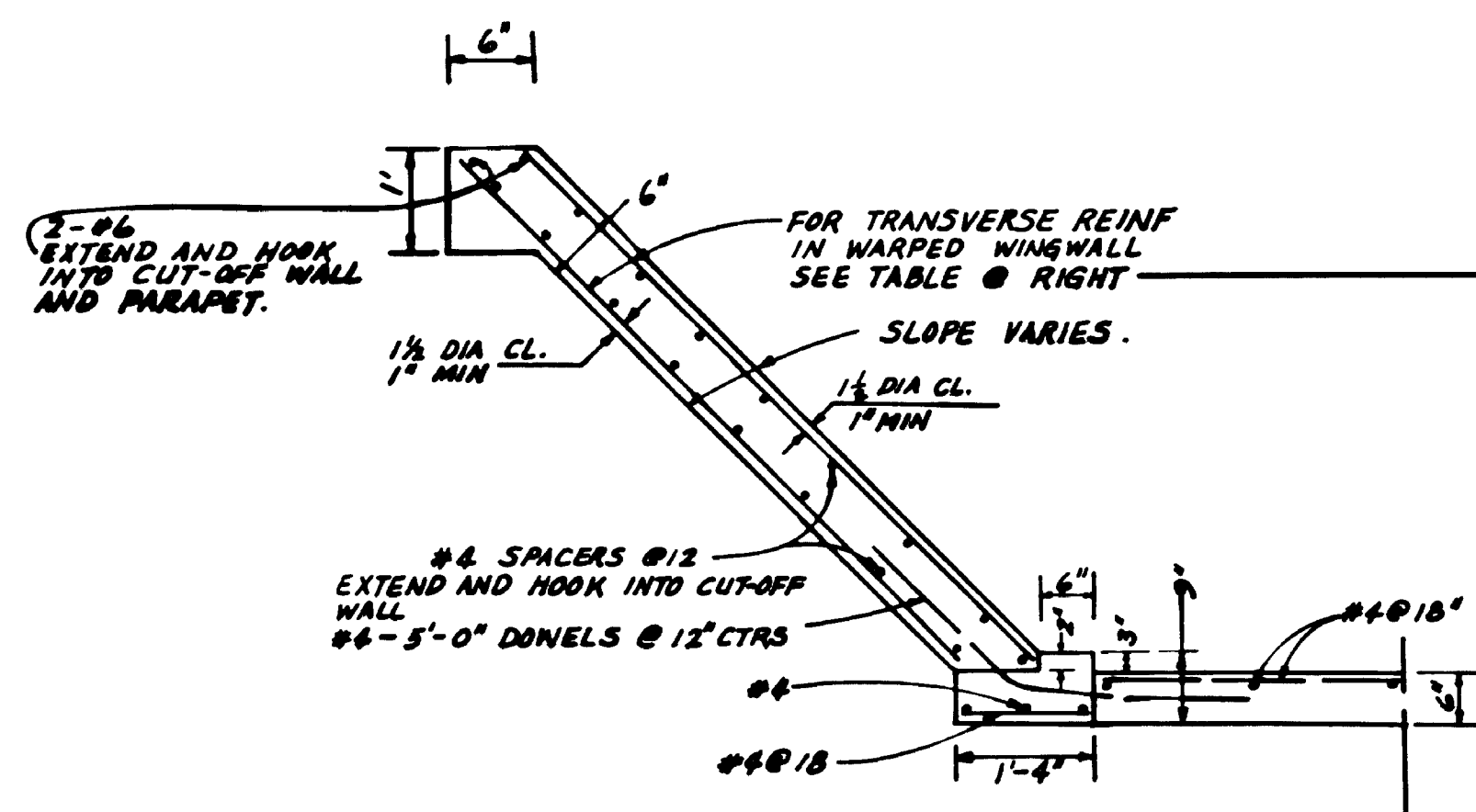


END ELEVATION (NO SCALE)



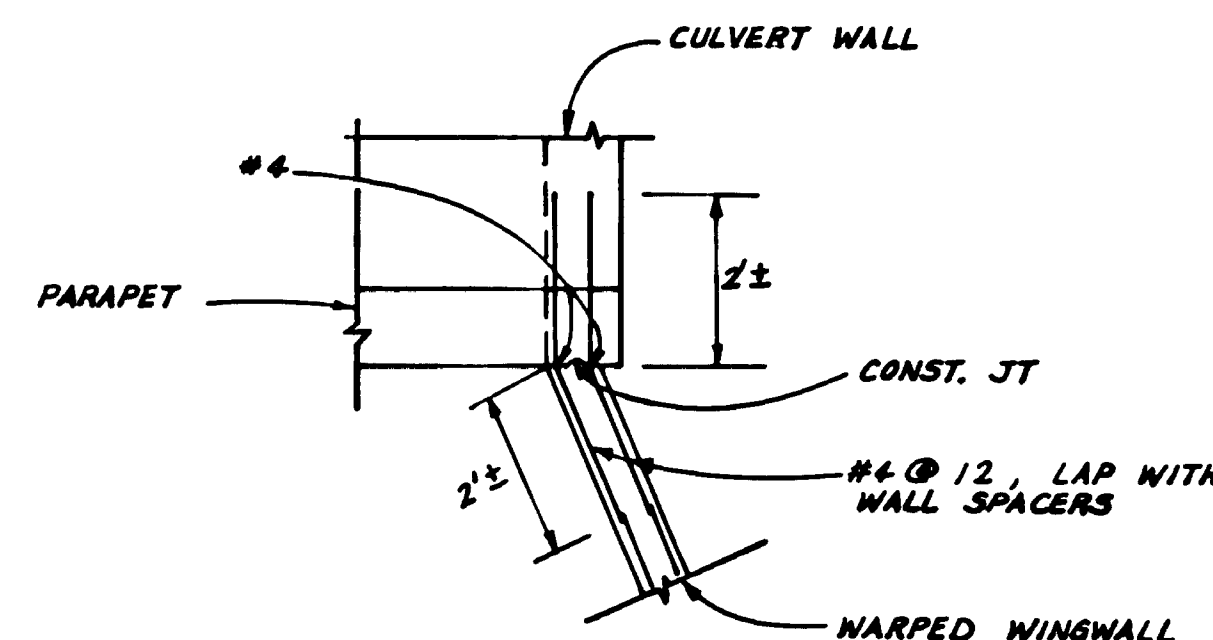
TYPICAL SECTION G-G (NO SCALE)
(SEE SHT. 1)

NOTE: FOR STEEL REINFORCEMENTS, SEE ALSO
CITY STANDARD DRAWING D-76, D-80.1
FOR ALL DETAILS.



SECTION C-C (NO SCALE)

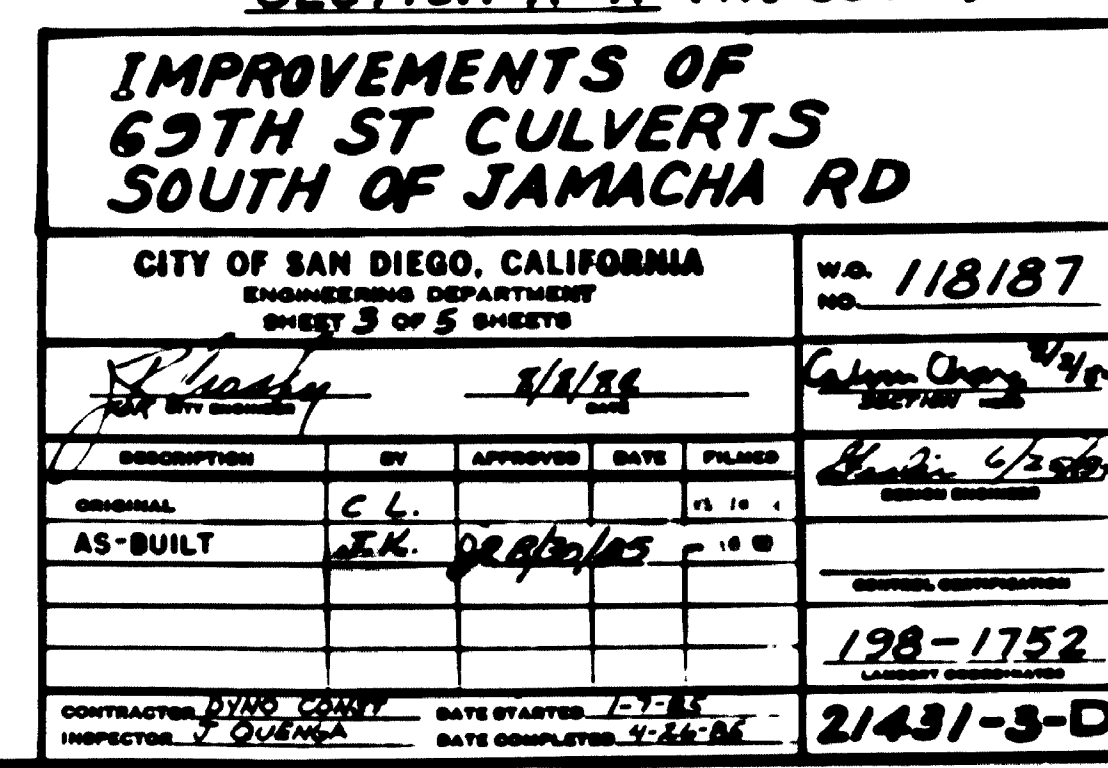
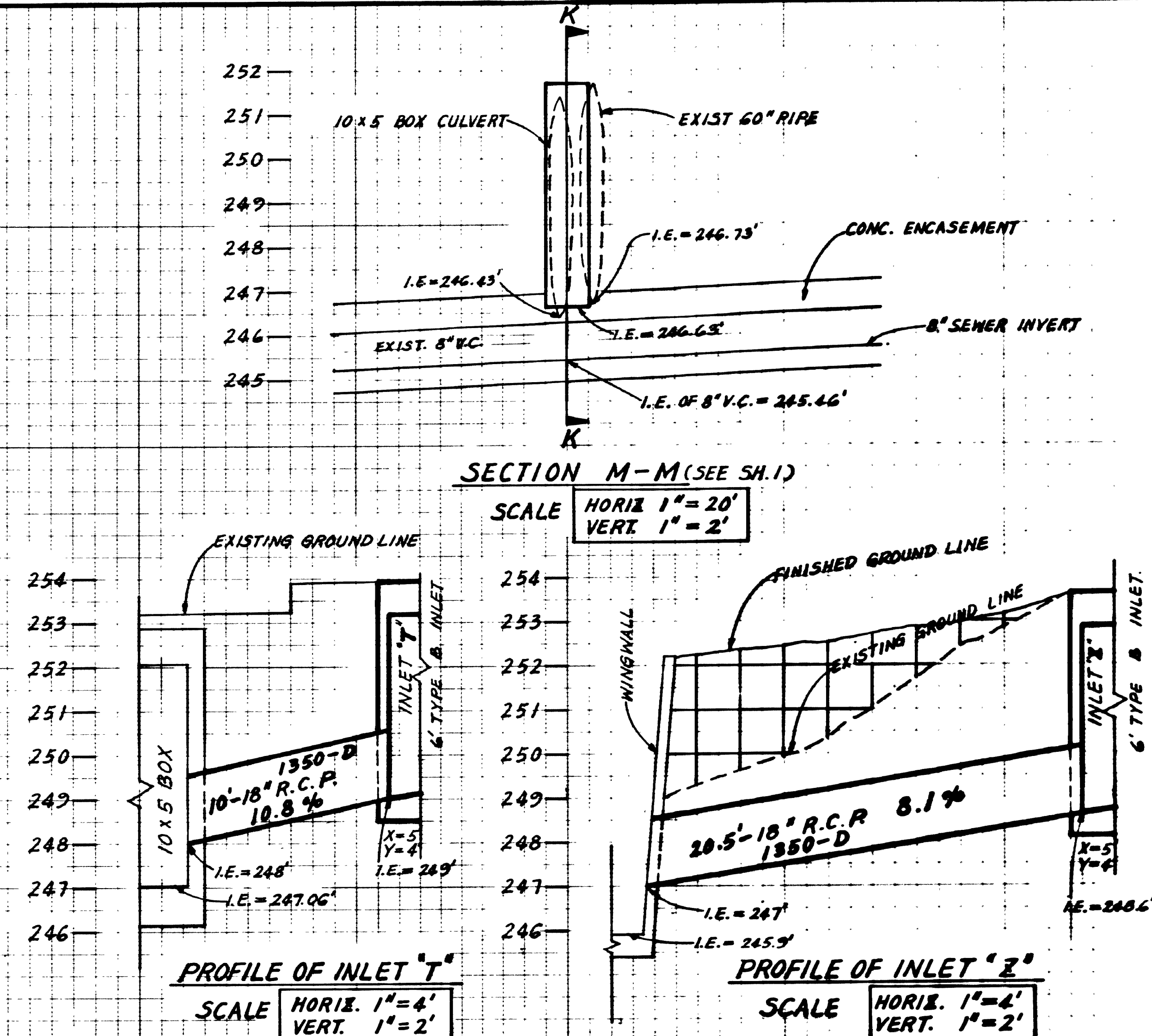
WARPED WINGWALL			
ELEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT
1/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
3/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
1 1/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
	REAR FACE REINF	#4 @ 12"	#4 @ 12"

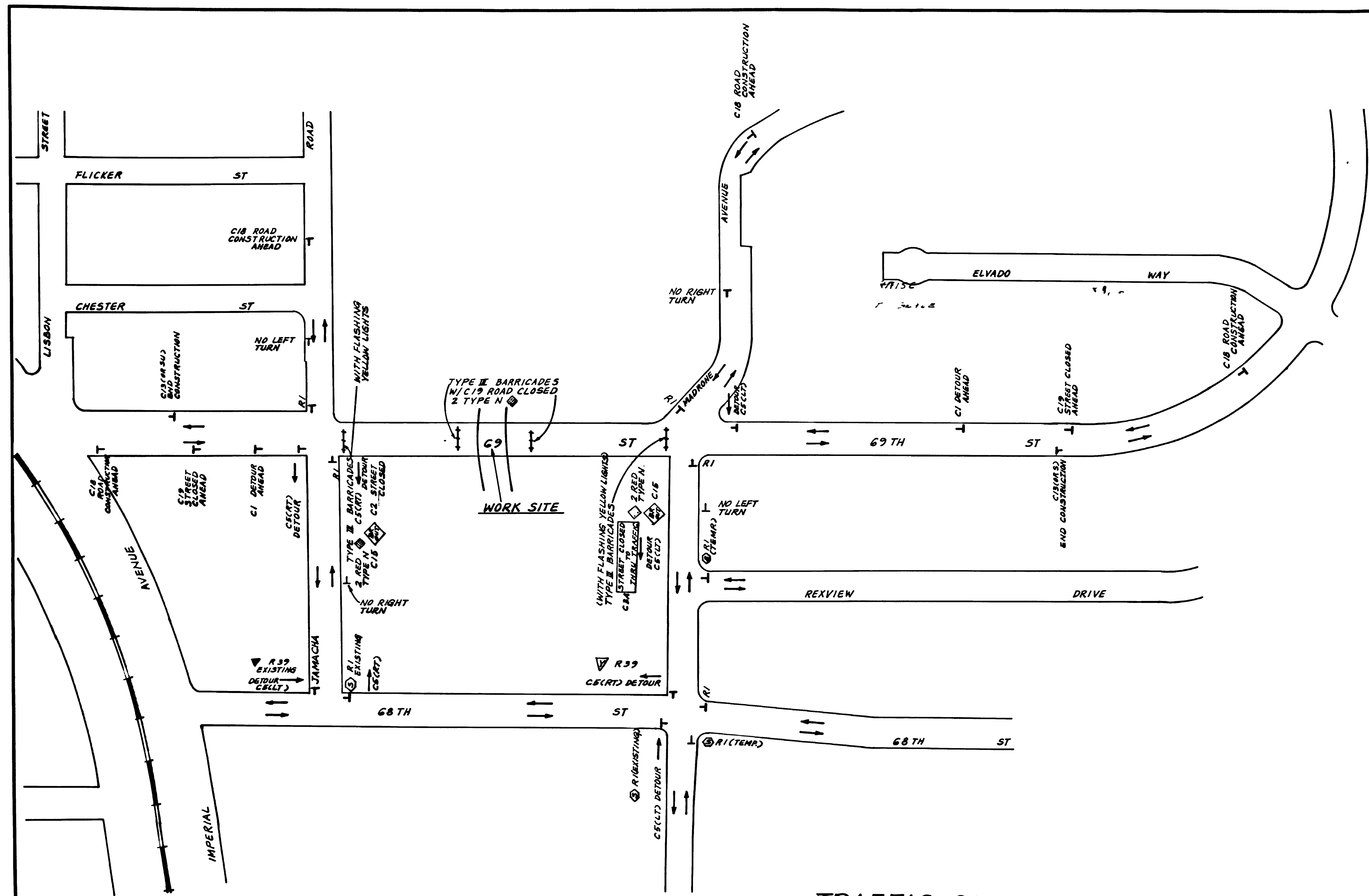


SECTION B-B (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT		NO. 118187	
SHEET 2 OF 5 SHEETS		SECTION 1	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CL	JK	12/14/84
AS-BUILT	JK	JK	12/18/84
CONTRACTOR: DYNO CORP.		DATE STARTED: 1-7-85	
INSPECTOR: J. QUENGA		DATE COMPLETED: 4-26-85	
		198-1752	
		21431-2-D	

AS-BUILT





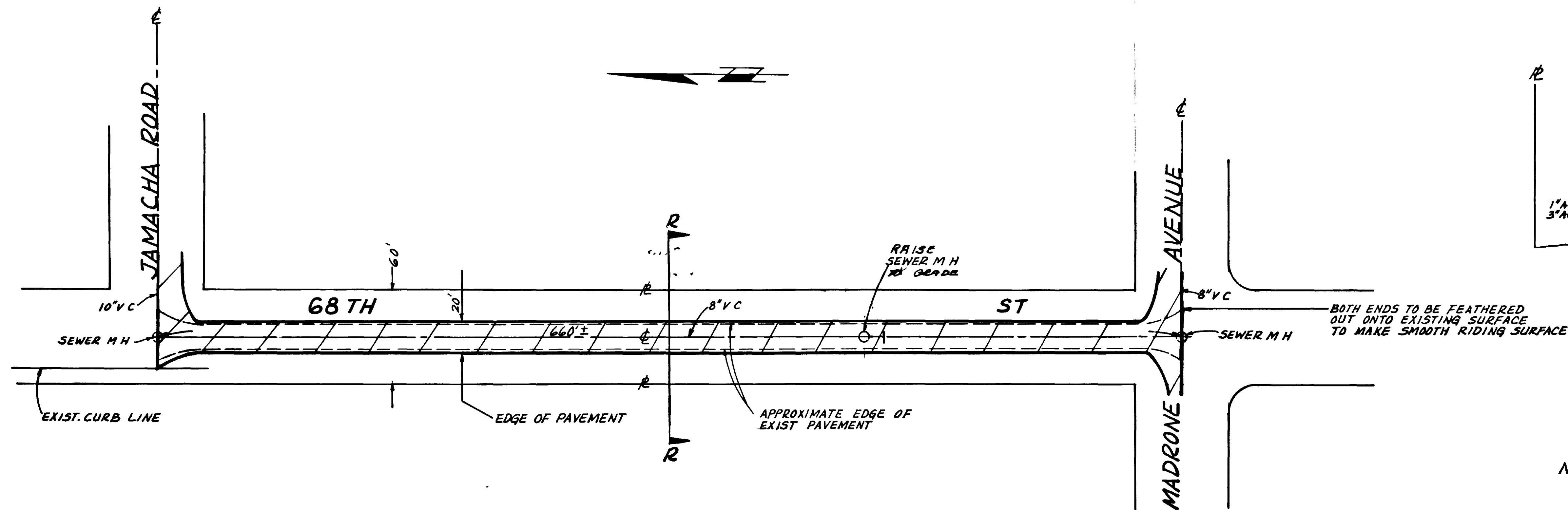
- TRAFFIC REQUIREMENTS**
- 1 Contractor agrees that he shall assume sole and complete responsibility for the job site, detour and traffic signing during the course of the construction of this project including safety of all persons and property, that this requirement shall apply continually and not be limited to normal working hours, and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in the connection arising from sole negligence of the owner or engineer
 - 2 The Contractor shall erect signs one week in advance of closing the street to warn the public that 69th Street will be closed for a period of time
 - 3 The Contractor shall maintain a safe passage across, through or around the construction work for pedestrians at all times
 - 4 The Contractor shall use signs, delineators, barricades, etc., per the requirements in the State of California, Department of Transportation (Caltrans) "Manual of Traffic Controls - Warning Signs, Lights and Devices for Use in Performance of Work Upon Highways" ReflectORIZED delineators shall conform to the requirements of the Caltrans Standard Specifications, January 1981, Section 12-3.03 and 12-3.04
 - 5 Contractor shall maintain ingress/egress to all residents during construction
 - 6 The Contractor shall maintain one lane in each direction on all streets of the detour route at all times. Any deviation to these requirements shall be submitted to the Engineer for approval of the Traffic Engineer prior to any changes in detour
 - 7 The cost of installing, maintaining and removal of the traffic control of the detour for this project shall include all material, labor and equipment necessary to install at the contract lump sum bid price with no further payment for traffic control that may be needed during the contract

TRAFFIC CONTROL PLAN

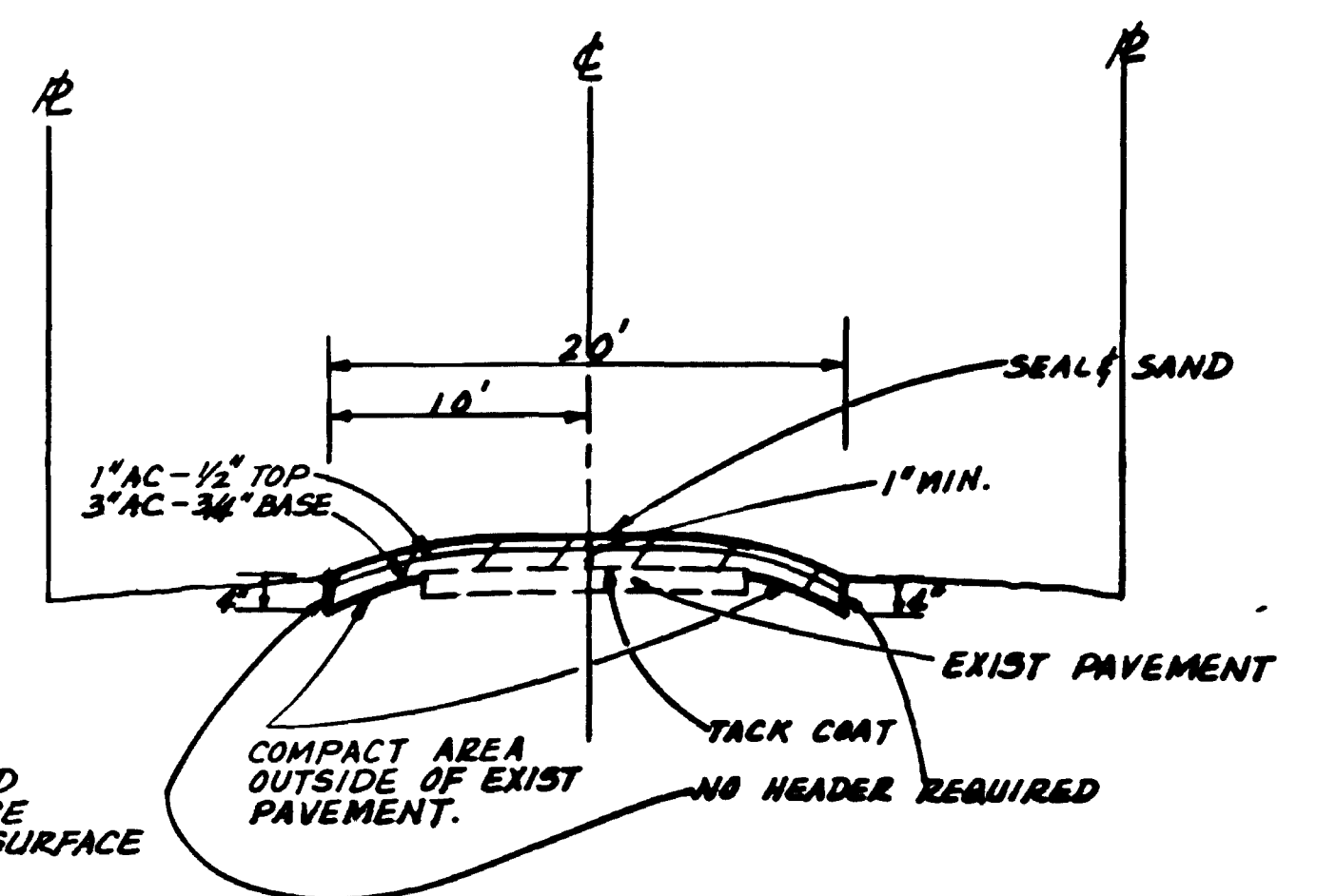
SCALE : 1" = 100'

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 6 OF 5 SHEETS			W.D. NO. 118187
APPROVED: <i>[Signature]</i> DATE: 7/2/82			DESIGNED: <i>[Signature]</i> DATE: 6/14/82
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CL		7/1/82
AS-BUILT	JH	<i>[Signature]</i>	7/1/82
CONTRACTOR: DYNO CORP.			DATE STARTED: 7/2/82
INSPECTOR: J. QUENGA			DATE COMPLETED: 7/26/82
			178-1752
			21481-4-D

AS-BUILT



PLAN
SCALE 1" = 40'

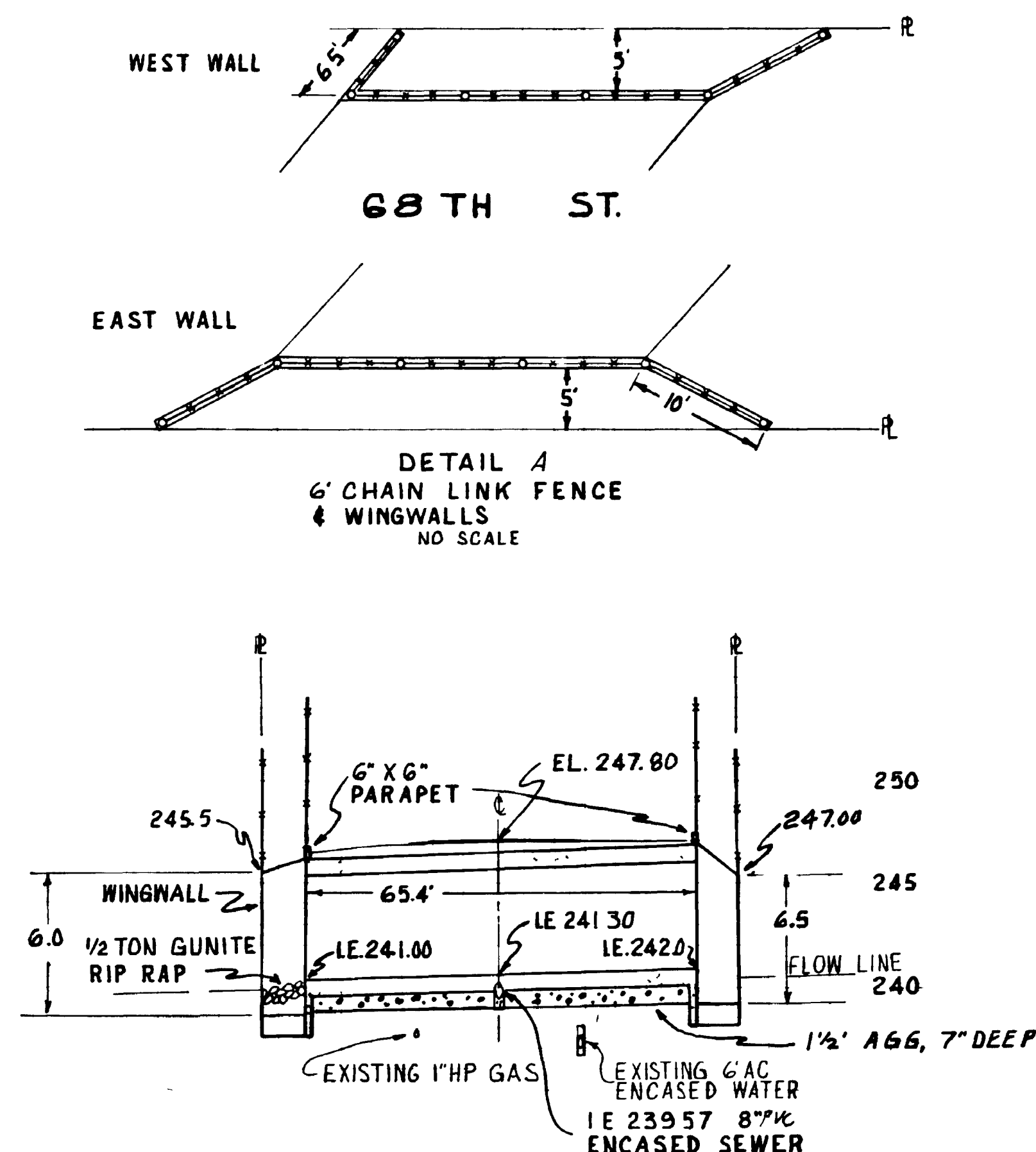
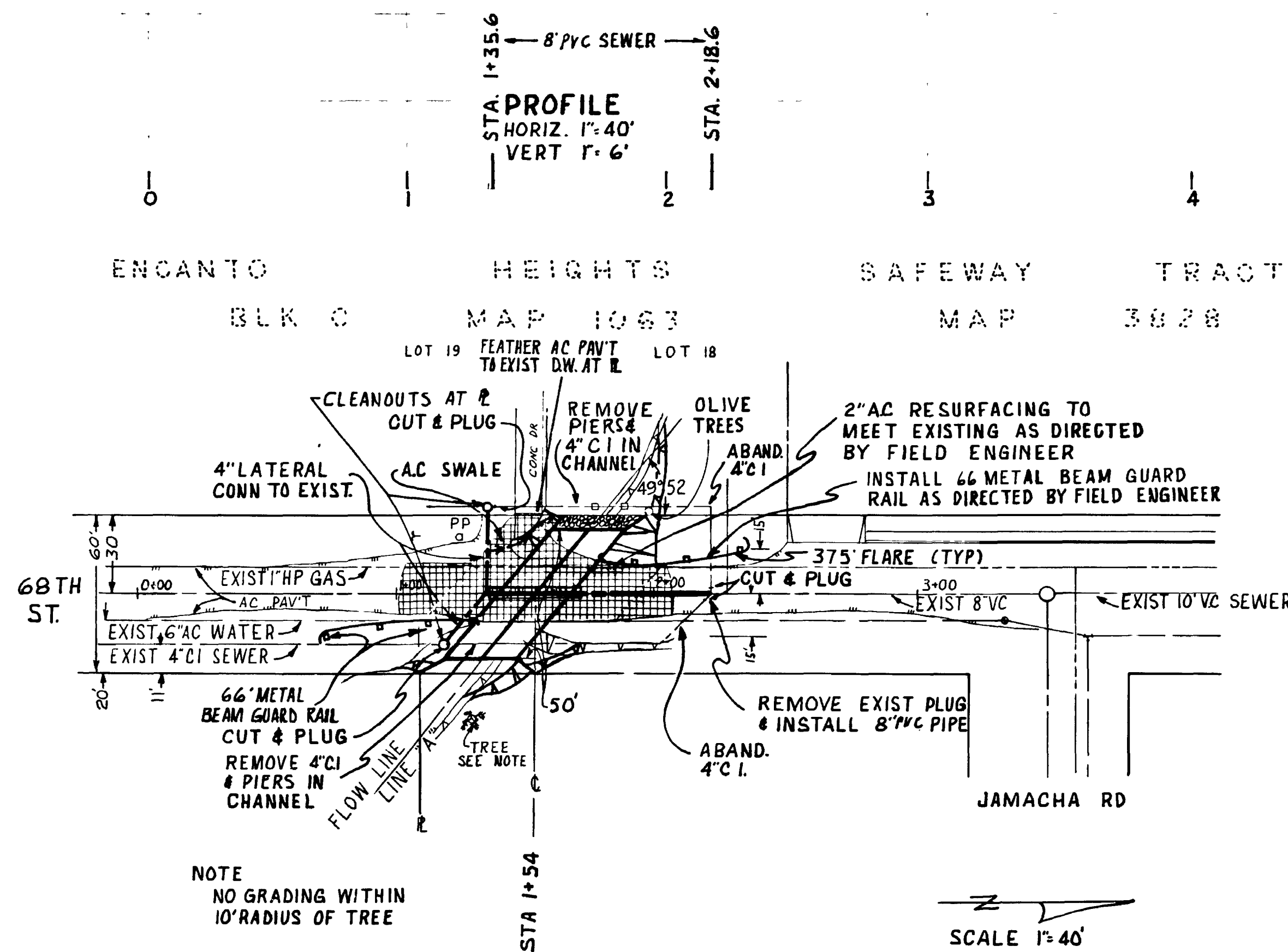
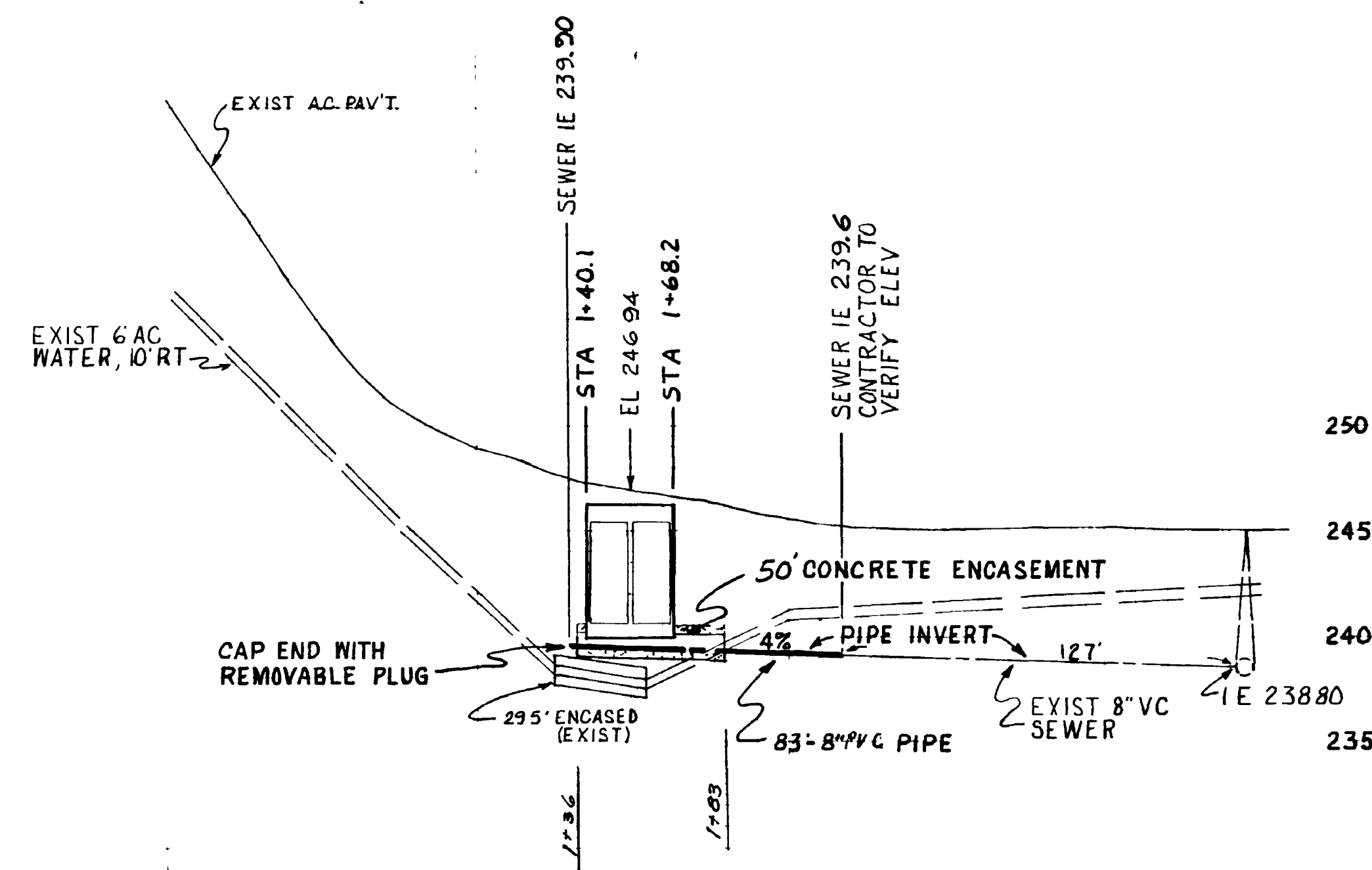


TYPICAL X-SECTION R-R
NO SCALE

NOTE: ADJUST ALL SEWER MAN HOLES TO GRADE.

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD					
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 5 OF 5 SHEETS					W.D. NO. 118167
DESIGNED BY <i>R. H. Hasty</i> 8/8/82 CHECKED BY <i>Calvin Chong</i> 9/8/82 SECTION 10					DATE 8/8/82 CHECKED 9/8/82 SECTION 10
DESCRIPTION	BY	APPROVED	DATE	FILED	
ORIGINAL	C.L.			8/10/82	
AS-BUILT	J.K.		8/20/82	8/10/82	
CONTRACTOR <i>DYNO CORP.</i> DATE STARTED <i>1-1-85</i>					
INSPECTOR <i>J. GUENOA</i> DATE COMPLETED <i>4-24-85</i>					21431-5-D

AS-BUILT

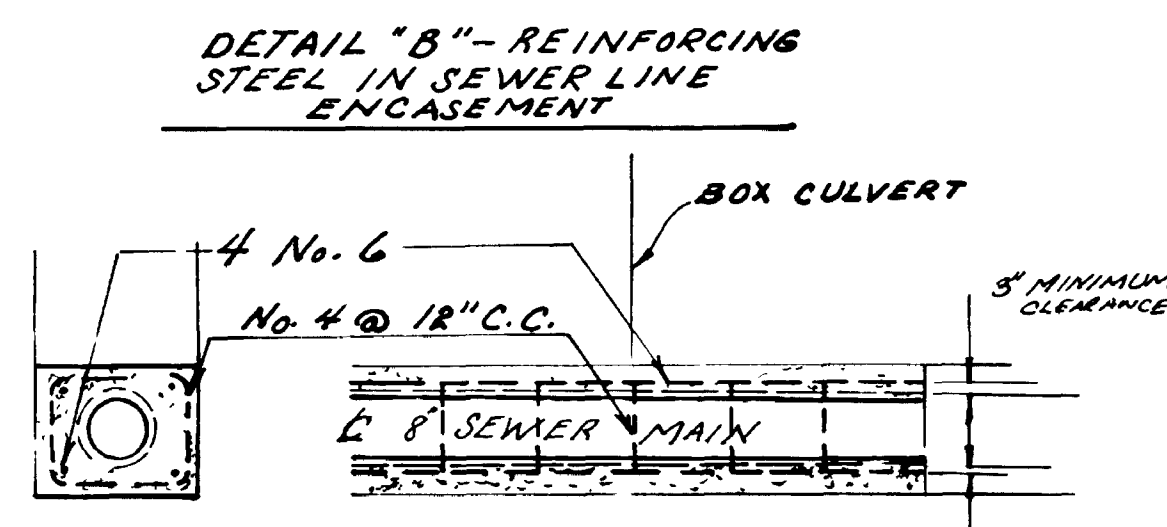


PROFILE LINE "A"

STA 1+54

HORIZ. 1"=20'

VERT. 1"=6'



WORK TO BE DONE SCHEDULE

IMPROVEMENT	CITY OF SAN DIEGO STD DRAWING	LEGEND
DOUBLE 5'x10' BOX CULVERT	CLASS A D-77	CLASS 560-8-3250
RIP RAP	D-40	CLASS 1/2 TON
WINGWALL	O-79	
6 CHAIN LINK FENCE	M-6	
PARAPET	D-81	
2" AC RESURFACING		
8" PVC SEWER PIPE	S-4	
CONCRETE ENCASEMENT	S-7	DETAIL "B" CLASS 440-C-2000
4" LATERAL	S-13	
METAL BEAM GUARD RAIL	M-7, M-8	
CUTOFF WALL	D-72	

SPECIFICATION

STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163 FILED 5-10-76 STANDARD SPECIAL PROVISION NO 758403 FILED 2-25-77 SPECIFICATION NO. 4432

STANDARD DRAWINGS

CITY OF SAN DIEGO STANDARD DRAWINGS DOCUMENT NO. 758672 FILED 3-21-77

REFERENCE DRAWINGS

1208-D, 5435-D, 10298-2D, 7287-L & 6182-W

SURVEY NOTES

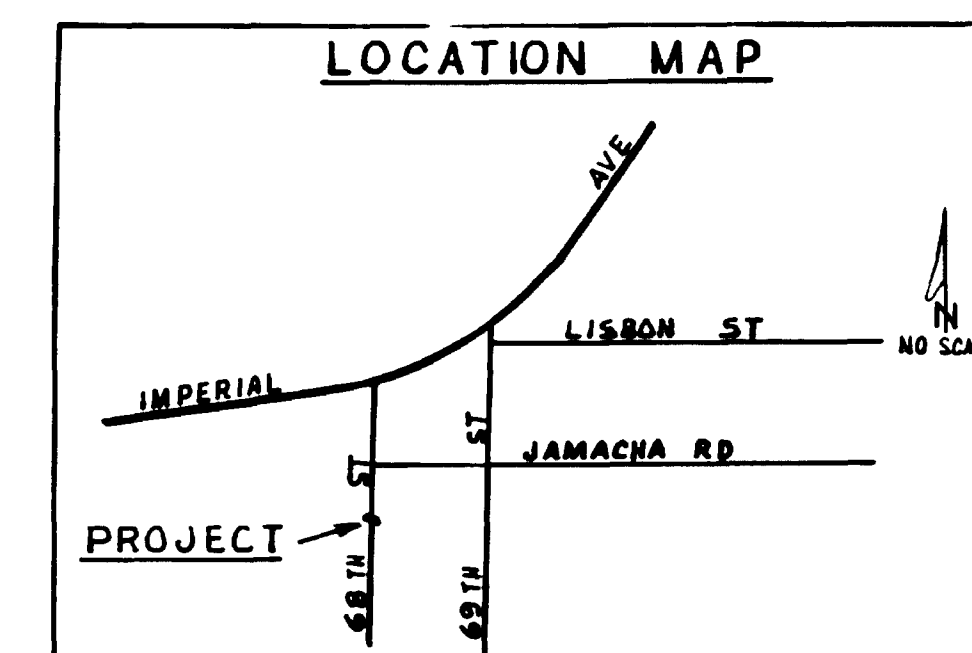
CHIEF SHOREY WD # 117613

INDEX 198-1752 DATE 1-11-78

TRAFFIC REQUIREMENTS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163, DATED MAY 10, 1976.

ROAD CLOSED



C.I.P. 11-165

CITY CONTRACT

68TH STREET CULVERT

200'± SOUTH OF JAMACHA RD.

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & DEVELOPMENT DEPT				WD 117613
SHEET 1 OF 1 SHEETS				
DEPUTY CHIEF ENGINEER	8-5-78	DATE		PROJECT ENGINEER
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BM			
				CONTROL CERTIFICATION
				198-1753
				LAMBERT COORDINATES
AS BUILT	8-11-78	DATE	3-19-79	17700-D
CONTRACTOR M. STEINMAN	DATE STARTED	3-19-79	DATE COMPLETED	6-19-79
INSPECTOR J. CRONK	DATE COMPLETED	6-19-79		

BENCH MARK

SW 8 P 68TH ST.

& IMPERIAL AVE

ELEV. 252.437 MSL

AS-BUILT

ATTACHMENT A

Jamacha Channel Emergency Maintenance, MMP Map 115

Photograph Log

Photograph 1: Looking upstream (east) toward the 69th St. culvert outlet at the east end of MMP Map 115; Figure 3.



(December 11, 2015; 2:51pm)

Photograph 2: Looking west at the southern Access/Staging area adjacent to the east end of MMP Map 115; Figure 3.



(November 23, 2015; 9:43am)

Photograph 3: Looking downstream from above the 69th St. culvert outlet at the channel and large stands of Arundo growing up in the east end of MMP Map 115; Figure 3.



(December 11, 2015; 2:51pm)

Photograph 4: Looking downstream at the vegetated stream channel that has been constricted by sediment deposits and large stands of Arundo.



(December 11, 2015; 2:52pm)

Photograph 5: Looking downstream at a clog blocking flows. The clog is caused by Arundo that has become matted down across the streambed near the center of the proposed emergency maintenance area (MMP Map 115; Figure 3).



(December 11, 2015; 2:54pm)

Photograph 6: Looking at water damage to a private residence (6857 Jamacha Rd.) as a result of prior flooding of the channel. The property owner has notified the City several times of prior flood damage.



(December 11, 2015; 3:14pm)

Photograph 7: Looking east upstream at the south side of the channel from the western end of the proposed emergency maintenance area within MMP Map 115; Figure 3.



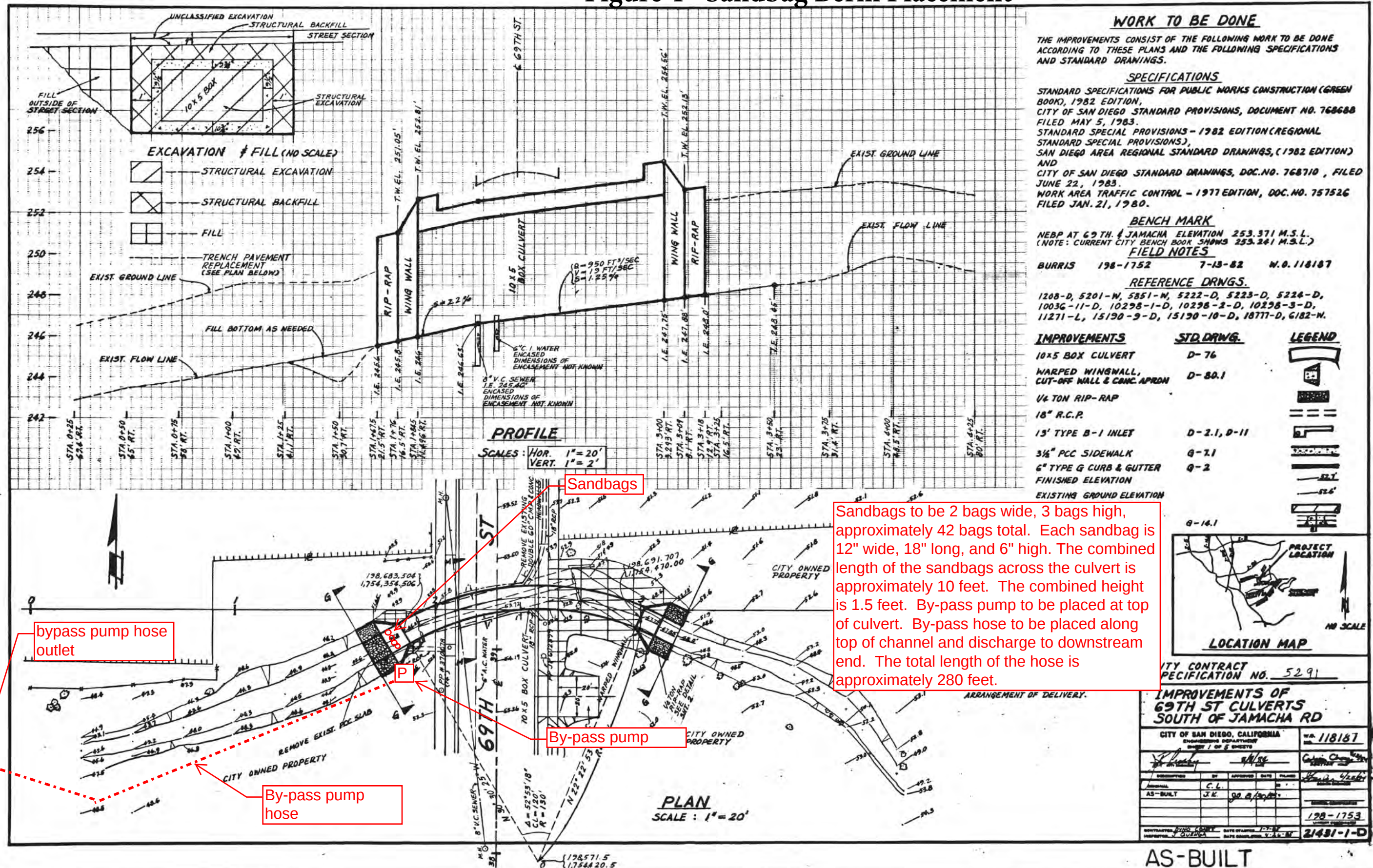
(December 11, 2015; 2:54pm)

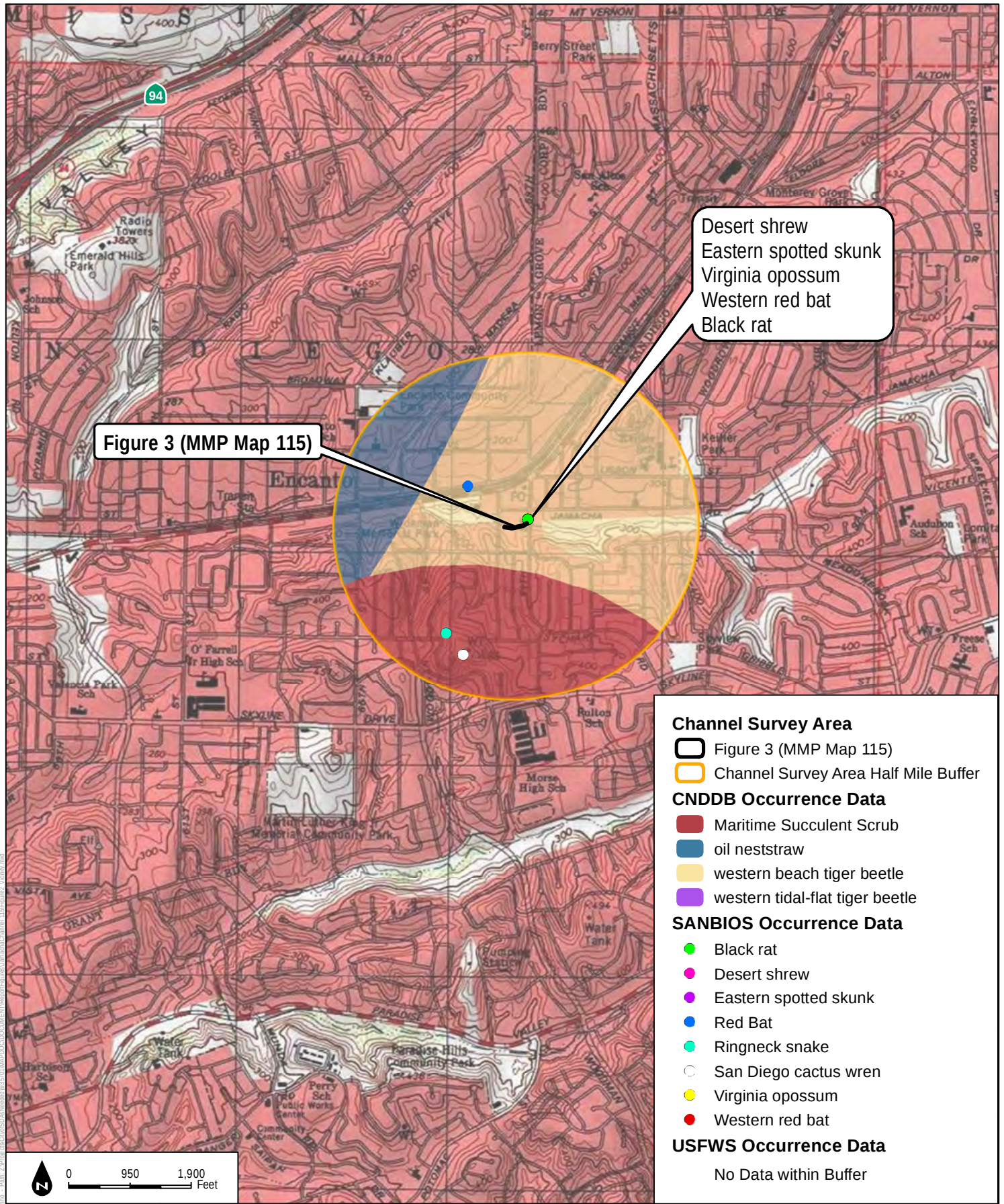
Photograph 8: Looking west downstream toward 68th St. at the existing streambed and constriction from sediment that has been deposited on the north side of the channel.



(December 11, 2015; 2:56pm)

Figure 4 - Sandbag Berm Placement

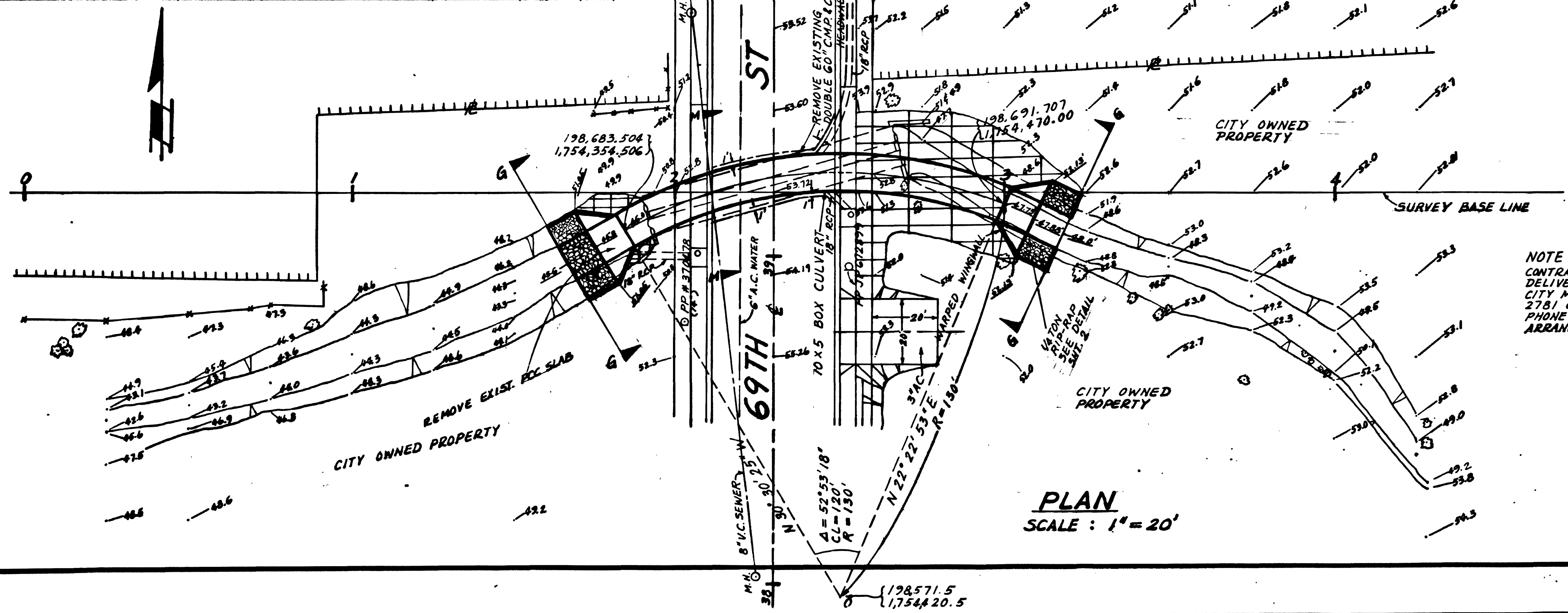
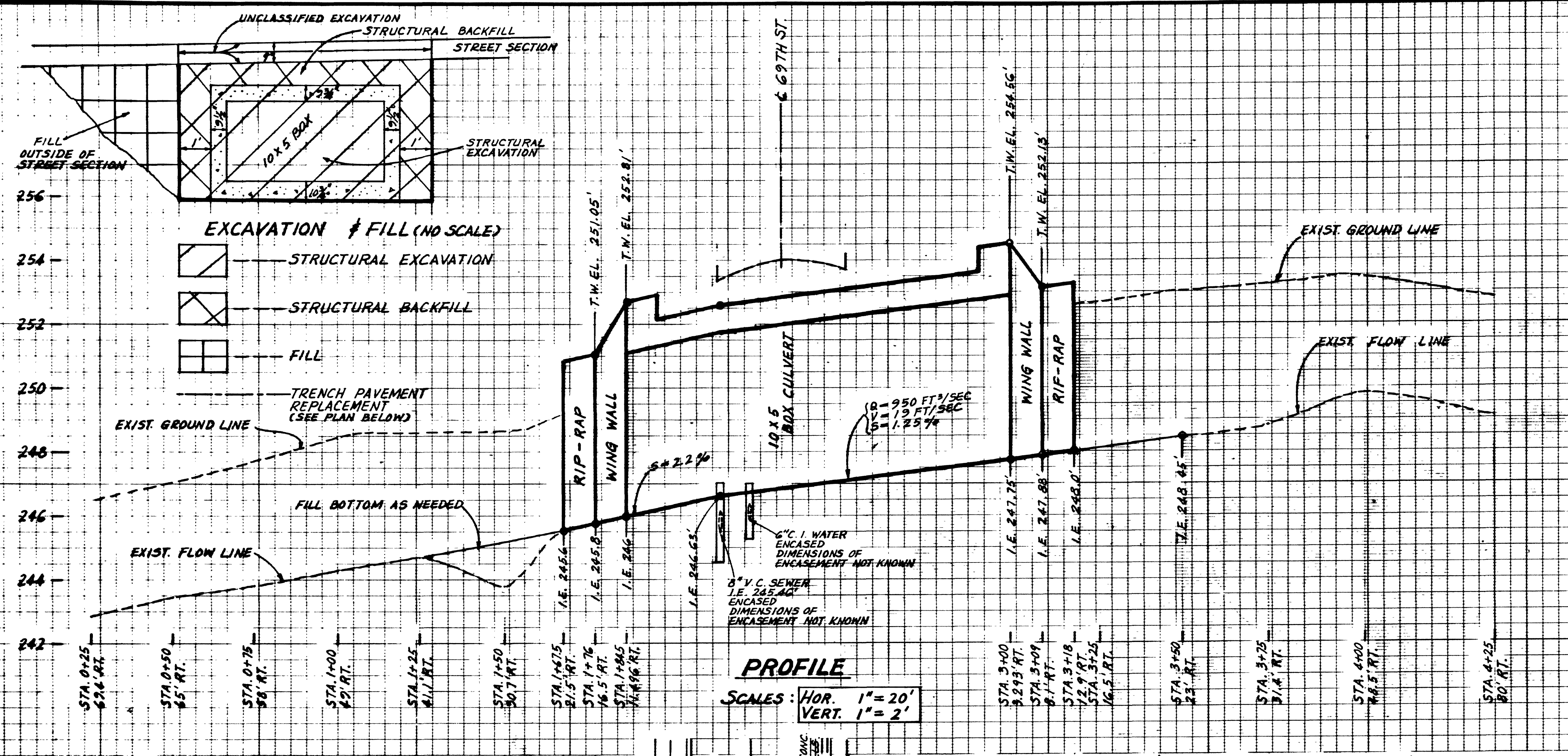




SOURCE: USGS 7.5-Minute Series - National City Quadrangle; CNDDDB, 12/01/2015; SANBIOS, 03/20/2009; USFWS, 2015.

FIGURE 2
Vicinity Map

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance



WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS.

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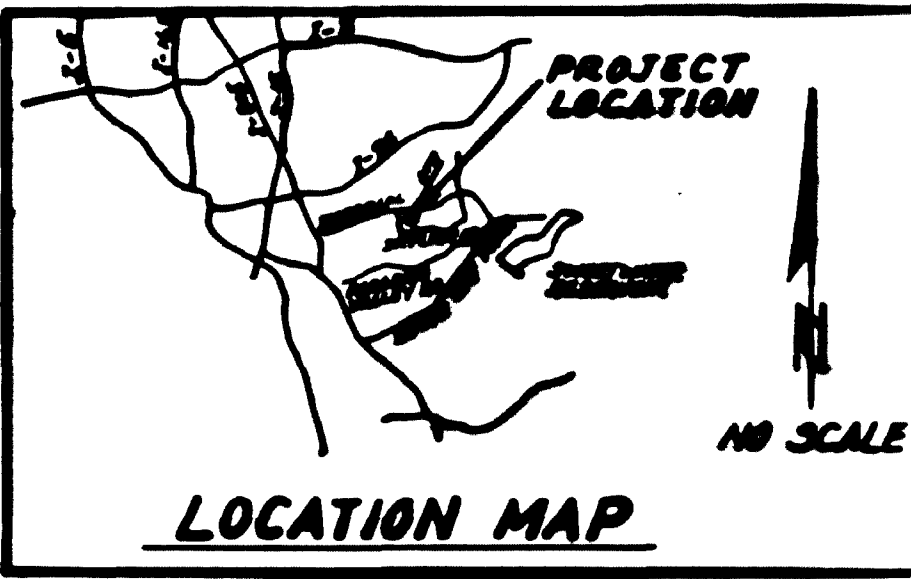
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10036-11-D, 10298-1-D, 10298-2-D, 10298-3-D,
11271-L, 15190-9-D, 15190-10-D, 18777-D, 6182-W.

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1/4 TON RIP-RAP		
18" R.C.P.		
15' TYPE B-1 INLET	D-2.1, D-11	
3 1/2" PCC SIDEWALK	Q-7.1	
6" TYPE G CURB & GUTTER	Q-2	
FINISHED ELEVATION		
EXISTING GROUND ELEVATION		
AC PAVEMENT ON 68TH ST		
20' CONC. DRIVEWAY	Q-14.1	



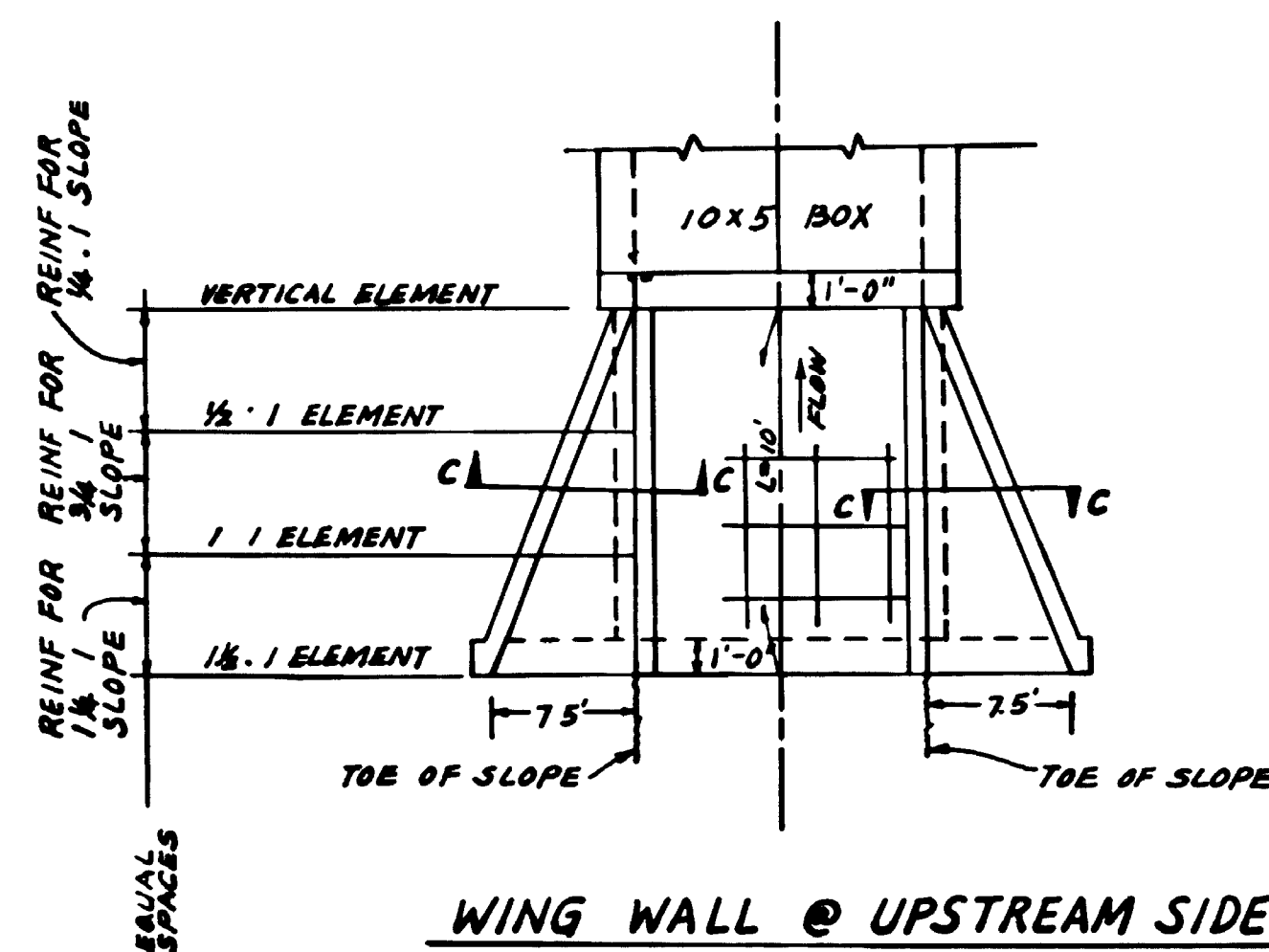
NOTE:
CONTRACTOR TO SALVAGE AND DELIVER THE 60" CMP TO THE CITY MAINTENANCE YARD 2781 CAMINITO CHOLLAS PHONE 234-6999 FOR ARRANGEMENT OF DELIVERY.

CITY CONTRACT SPECIFICATION NO. 5291

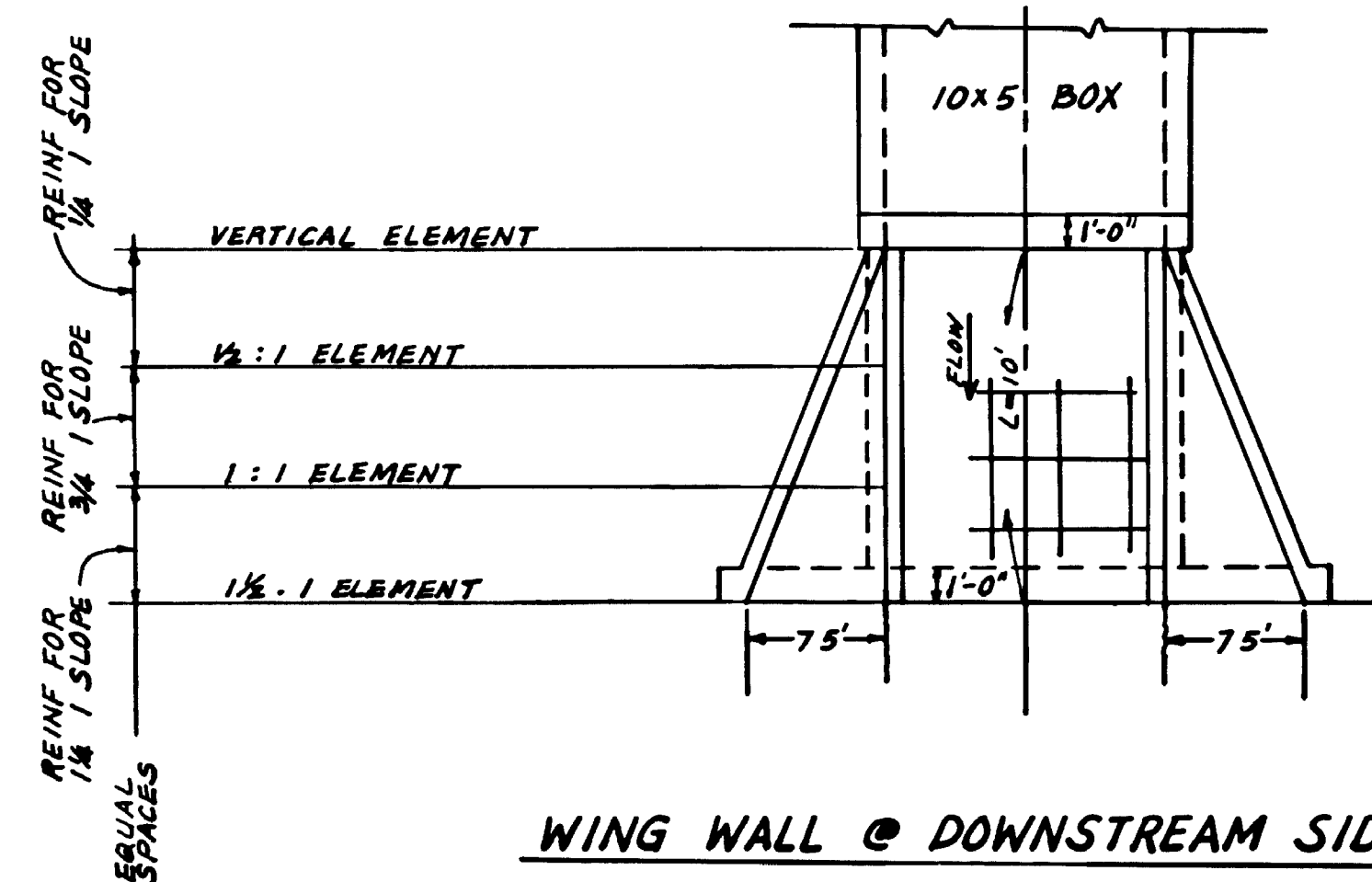
IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 1 OF 5 SHEETS					NO. 118187
DESIGNED BY	BY	APPROVED	DATE	PLAID	DATE
AS-BUILT	C.L.	J.E.	08/20/82		
CONTRACTOR: J. QUINCA					128-1753
DATE OF SHEET: 12/2/82					21431-1-D

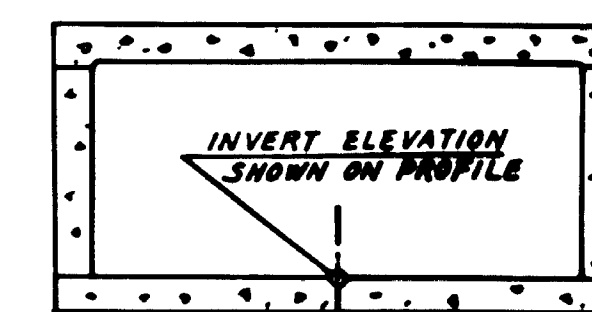
AS-BUILT



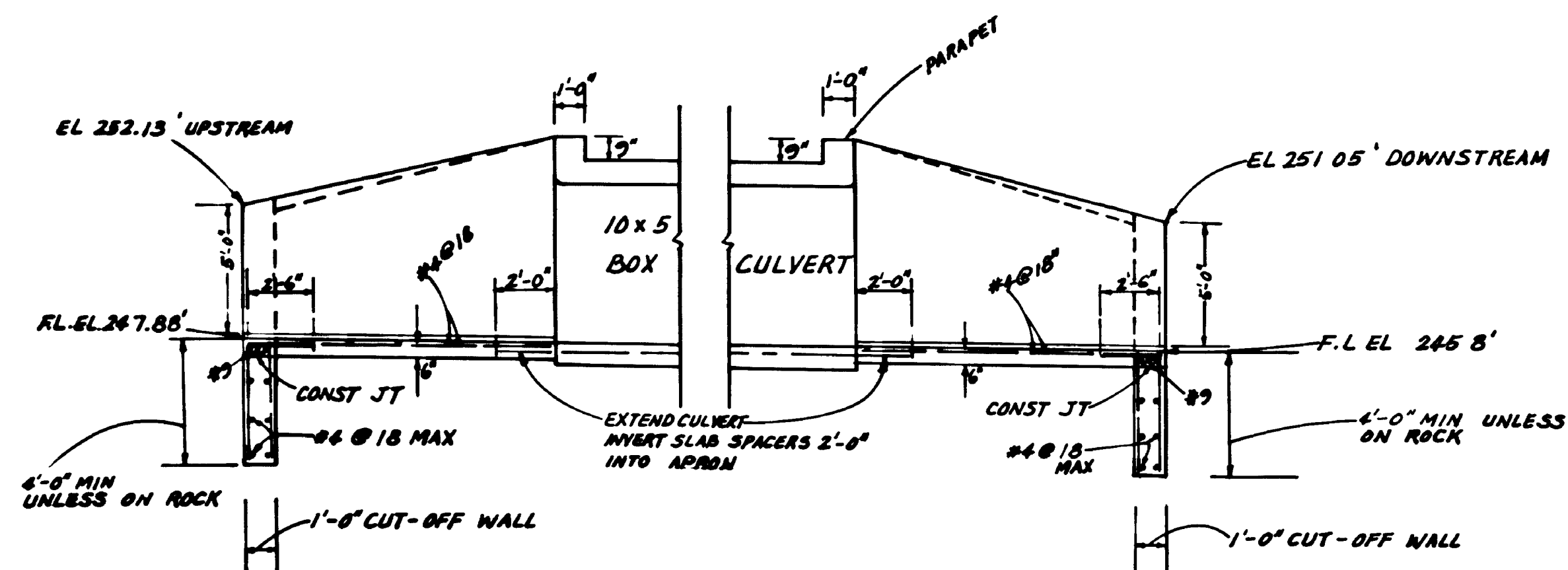
WING WALL @ UPSTREAM SIDE
PLAN
NO SCALE



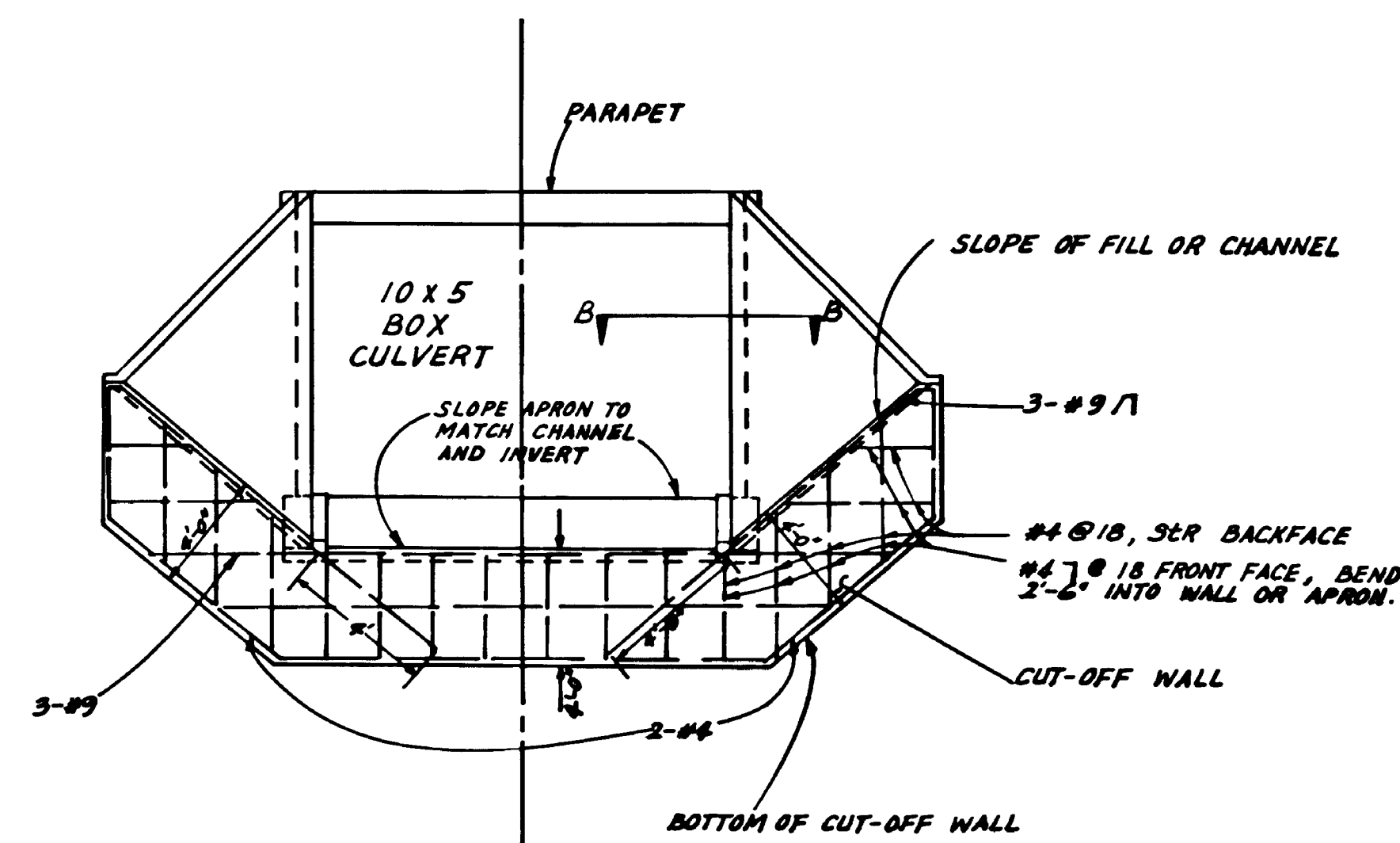
WING WALL @ DOWNSTREAM SIDE
PLAN
NO SCALE



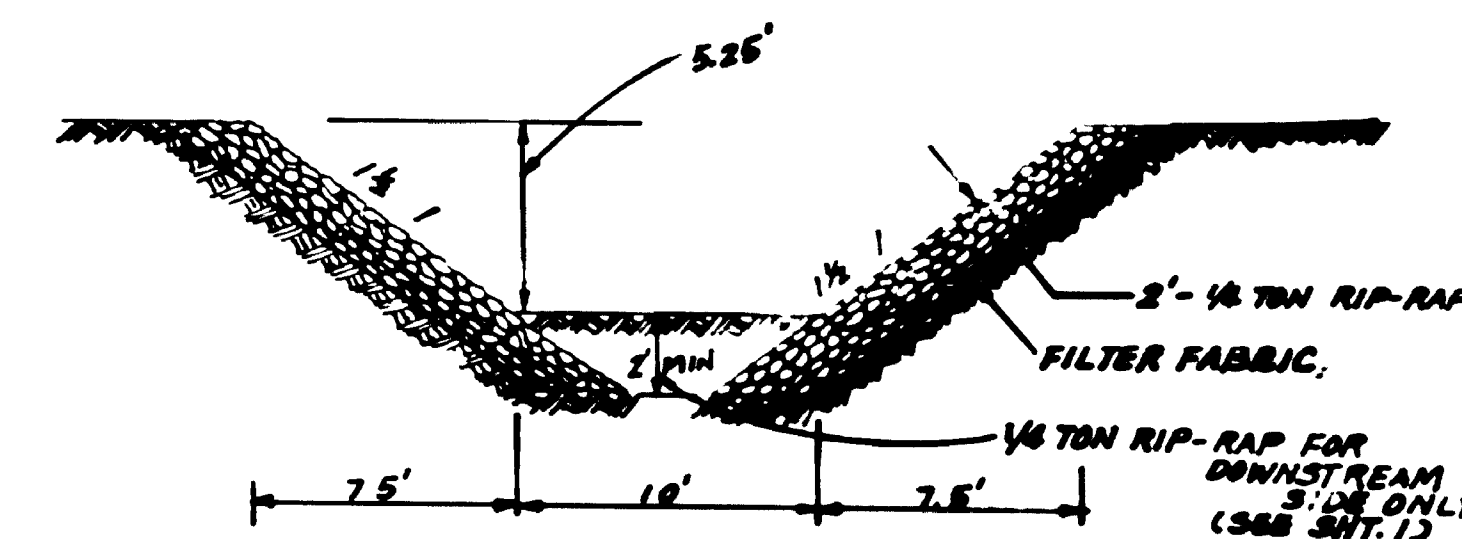
FLAT INVERT
10x5 BOX CULVERT (NO SCALE)
(FOR STEEL REINFORCEMENTS, SEE CITY STANDARD DRAWING D-76.)



PART LONGITUDINAL SECTION (NO SCALE)

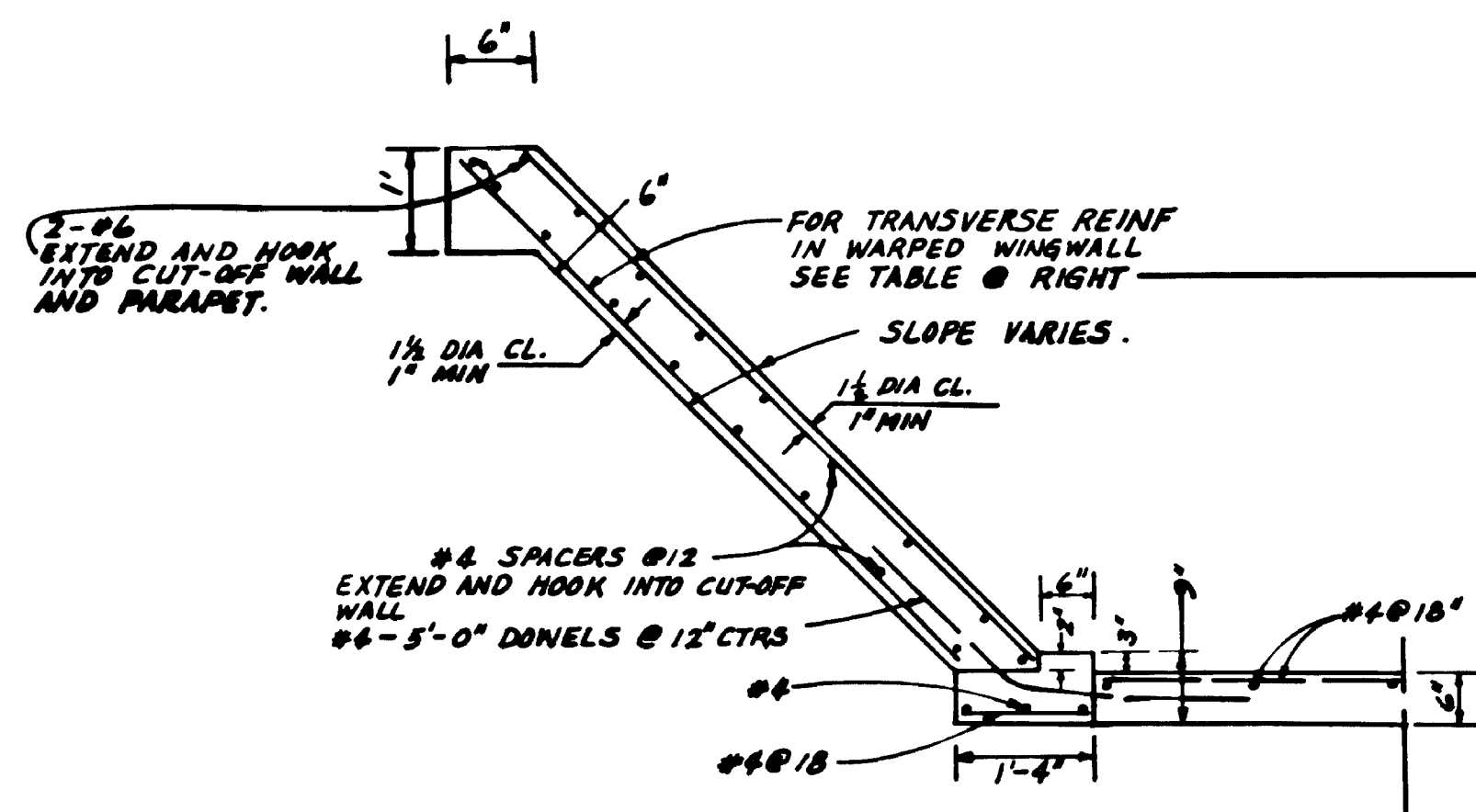


END ELEVATION (NO SCALE)



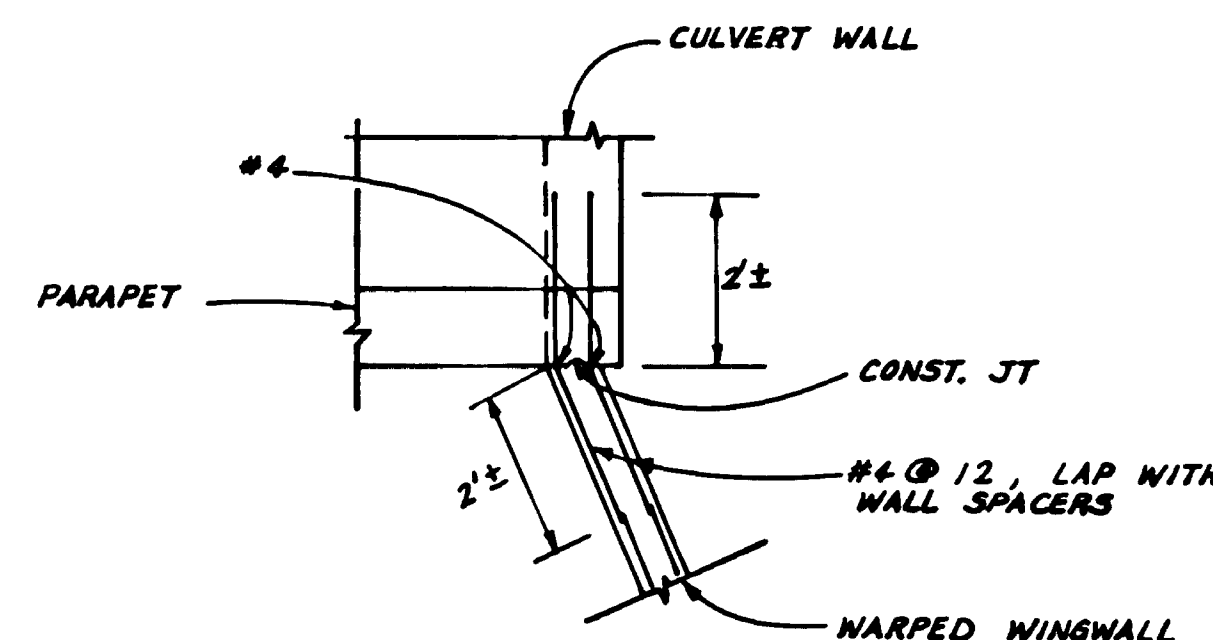
TYPICAL SECTION G-G (NO SCALE)
(SEE SHT. 1)

NOTE: FOR STEEL REINFORCEMENTS, SEE ALSO CITY STANDARD DRAWING D-76, D-80.1 FOR ALL DETAILS.



SECTION C-C (NO SCALE)

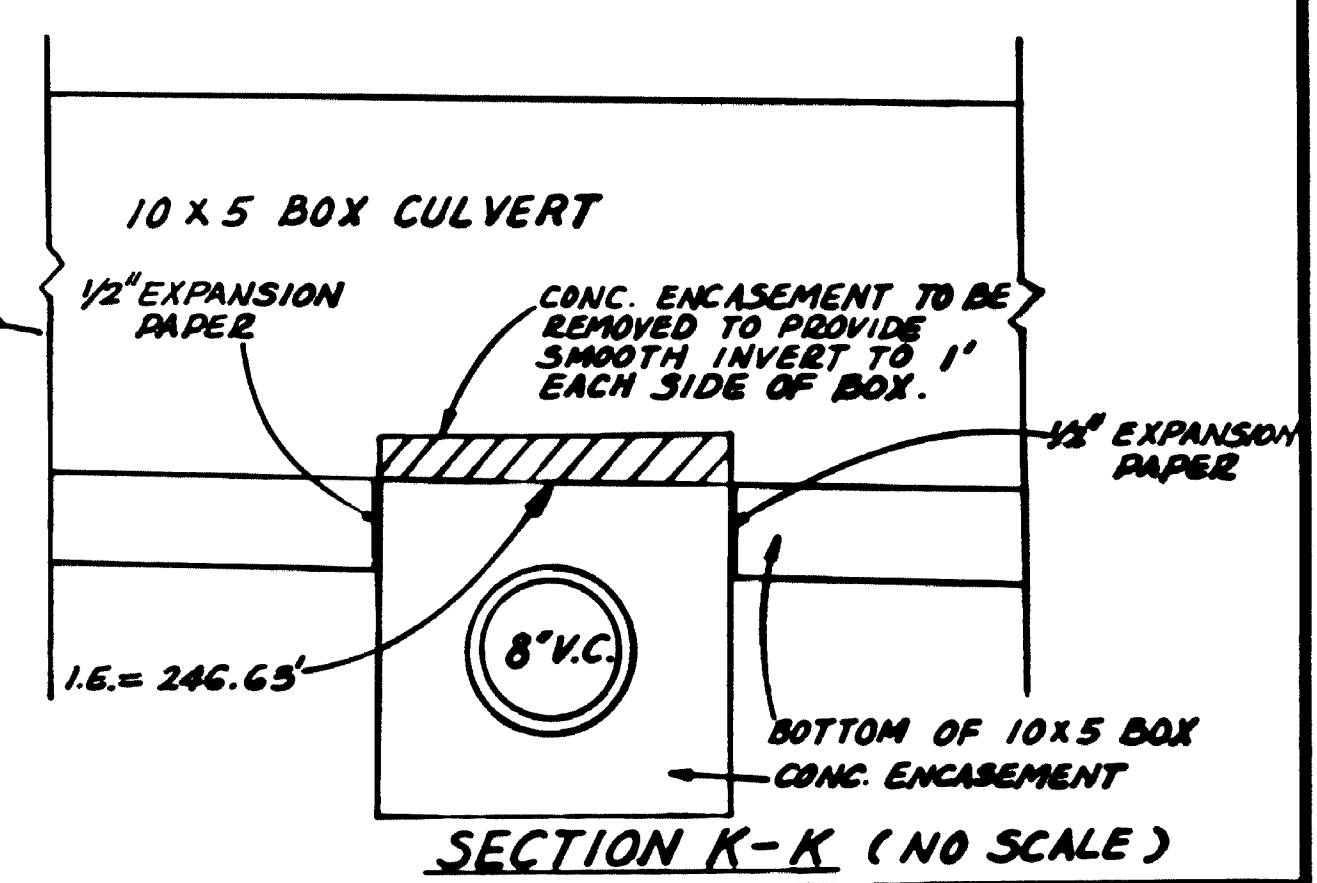
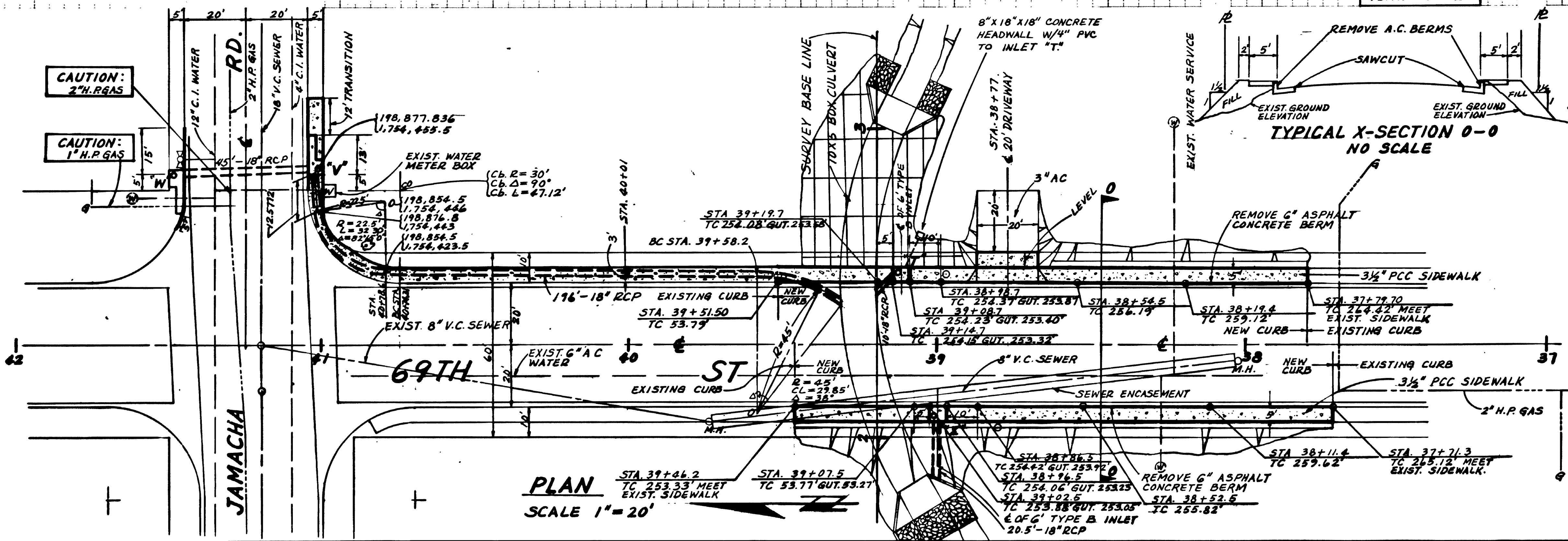
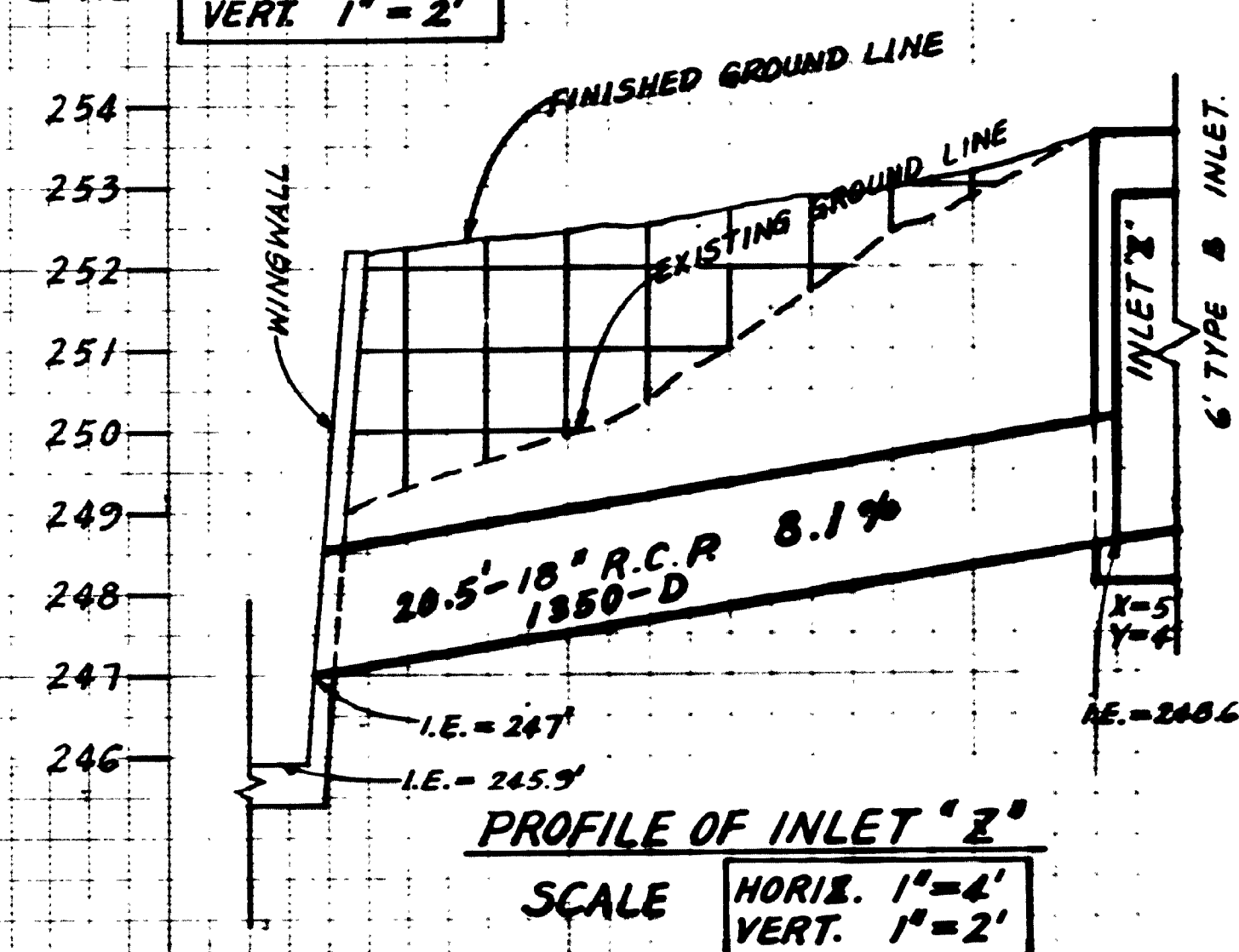
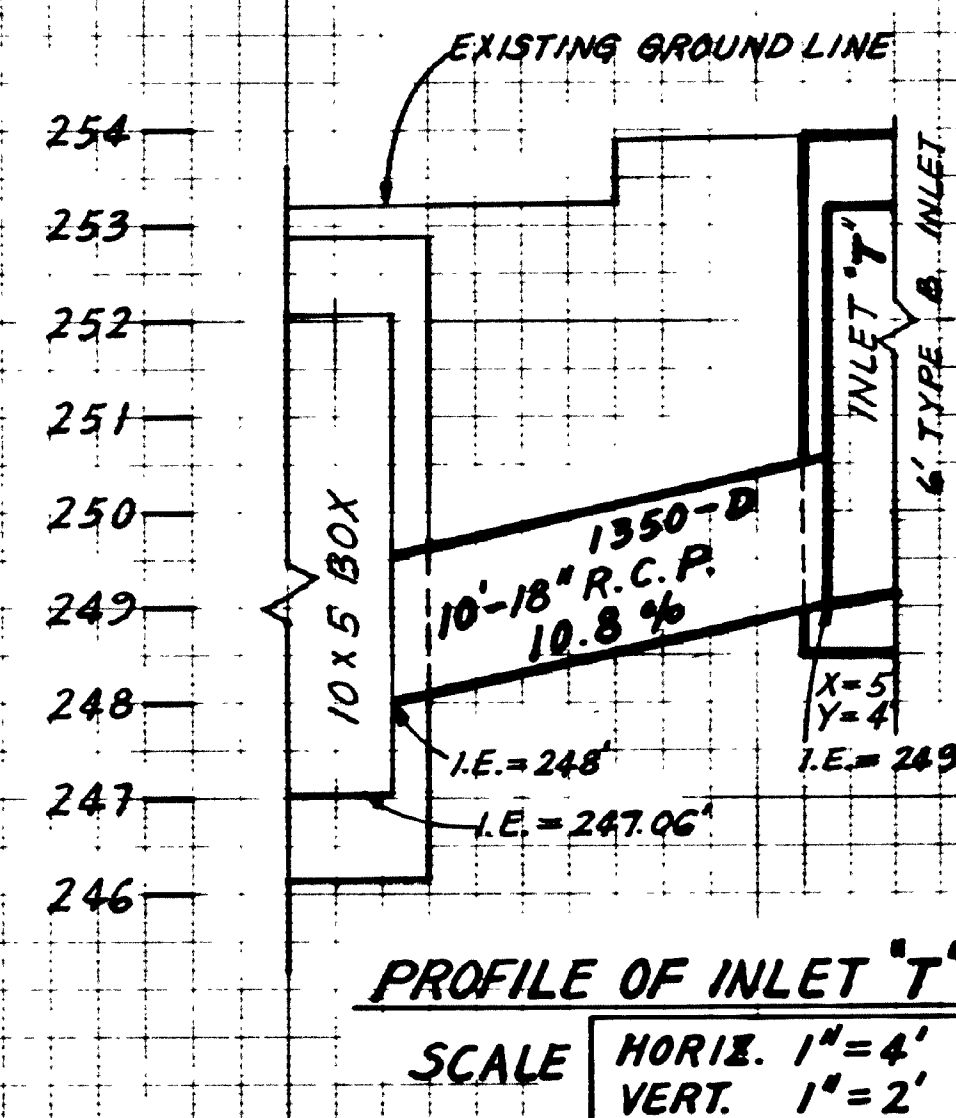
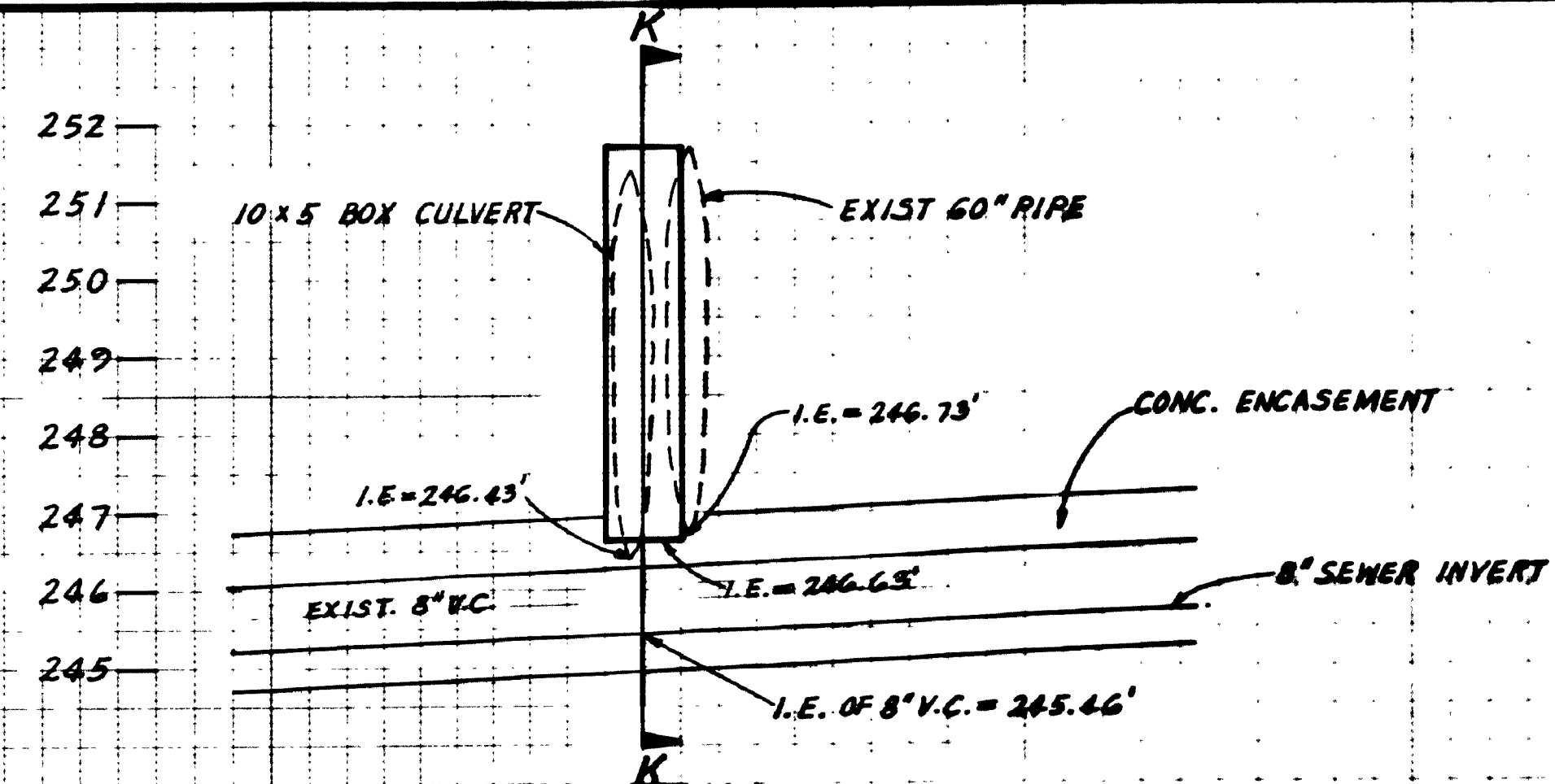
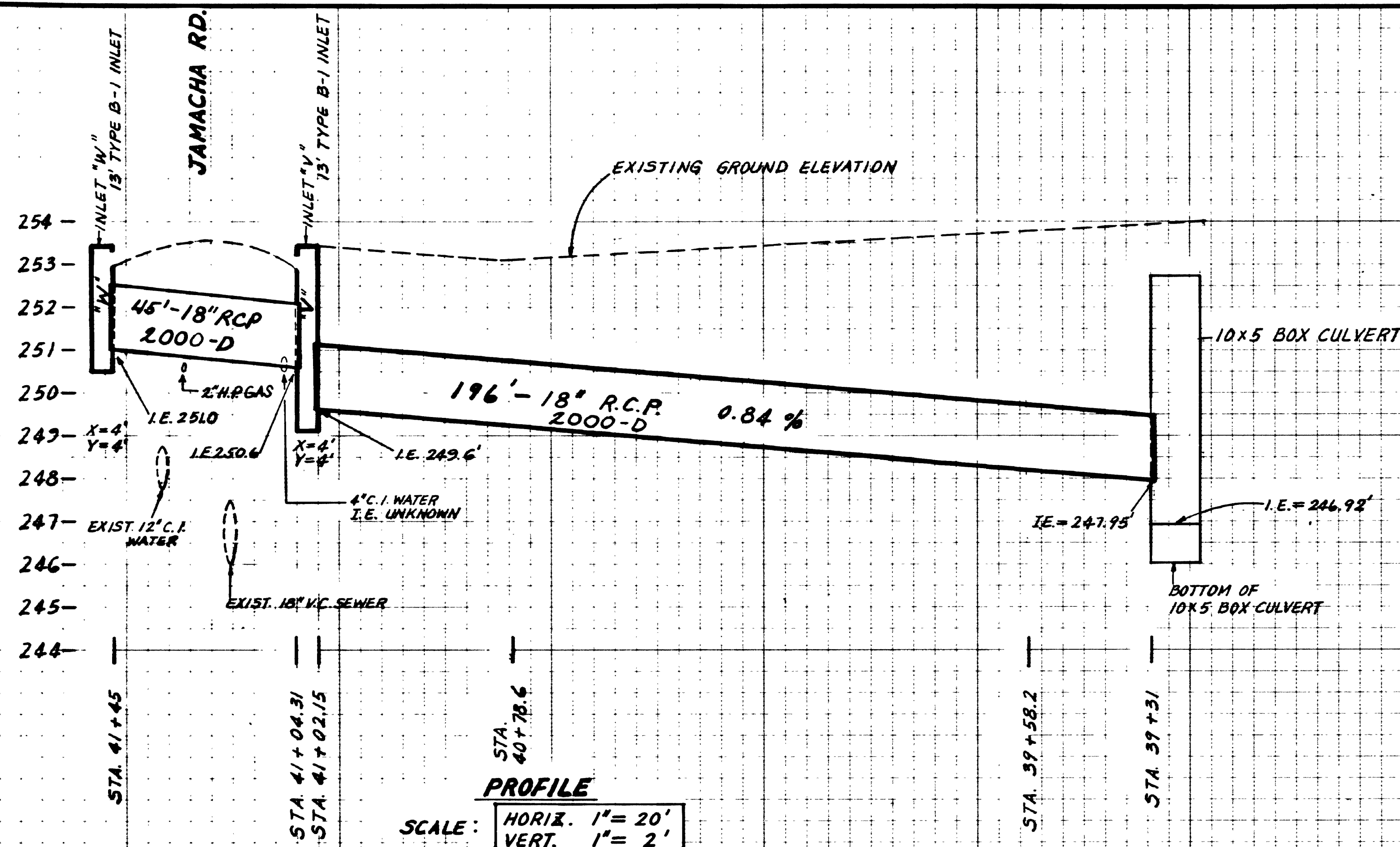
WARPED WINGWALL			
ELEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT
1/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
1/4 : 1	REAR FACE REINF	#4 @ 12"	#4 @ 12"
3/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
3/4 : 1	REAR FACE REINF	#4 @ 12"	#4 @ 12"
1 1/4 : 1	FRONT FACE REINF	#4 @ 12"	#4 @ 12"
1 1/4 : 1	REAR FACE REINF	#4 @ 12"	#4 @ 12"



SECTION B-B (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD			
CITY OF SAN DIEGO, CALIFORNIA		NO. 118187	
ENGINEERING DEPARTMENT		SECTION 2 OF 5 SHEETS	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CL	APPROVED	12-14-94
AS-BUILT	JK	APPROVED	12-18-94
CONTRACTOR: DYNO CONST.		DATE STARTED: 1-7-94	
INSPECTOR: J. QUENGA		DATE COMPLETED: 4-26-94	
		21431-2-D	

AS-BUILT



IMPROVEMENTS OF 69TH ST SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 5 SHEETS

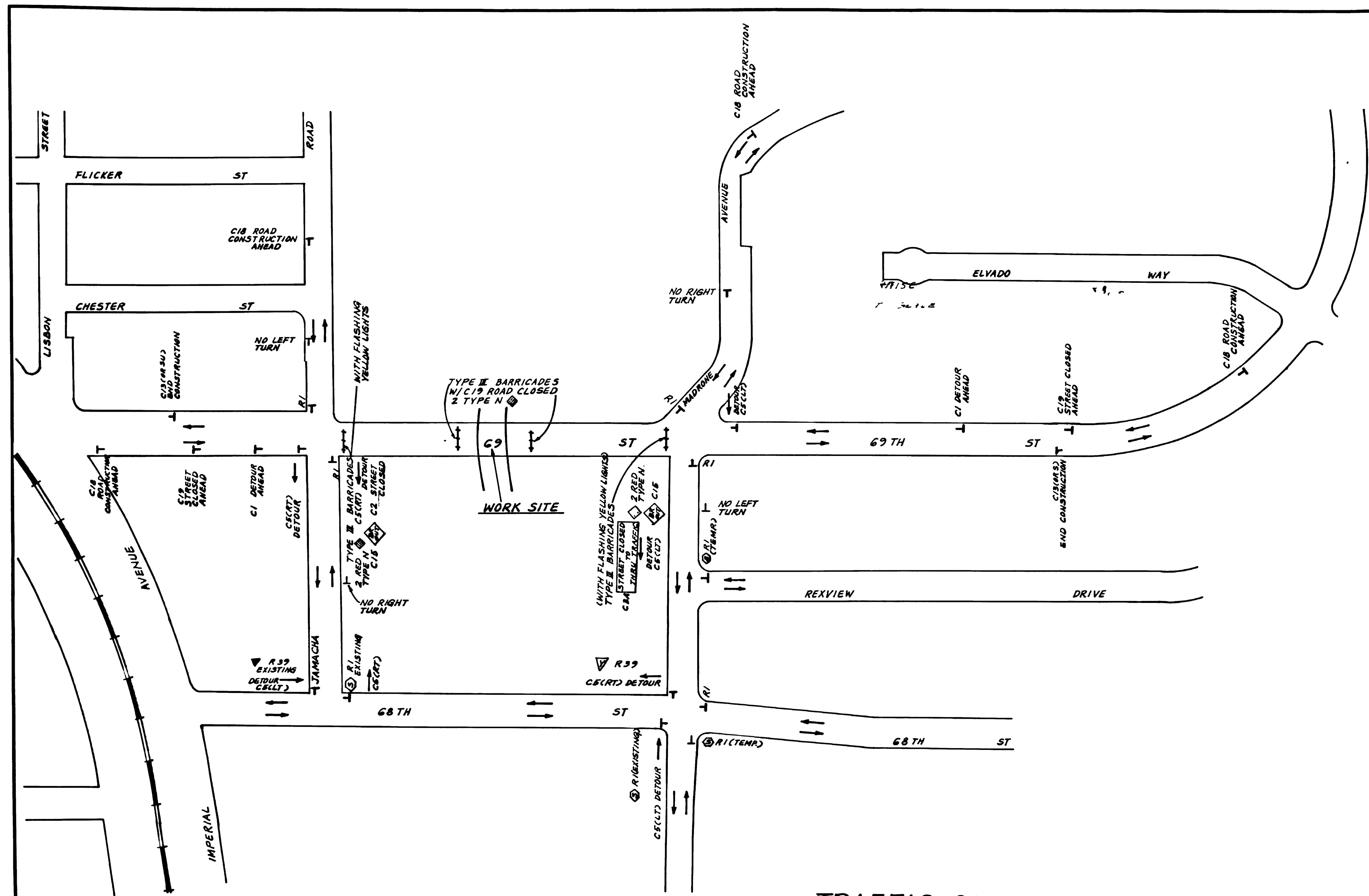
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	C.L.		11.10.1	
AS-BUILT	J.H.		02/02/05	

CONTRACT NO. 0700 COUNTY DATE STARTED 1-7-00 DATE COMPLETED 1-2-05

INSPECTOR V. GARCIA

198-1752
2/431-3-D

AS-BUILT



TRAFFIC CONTROL PLAN

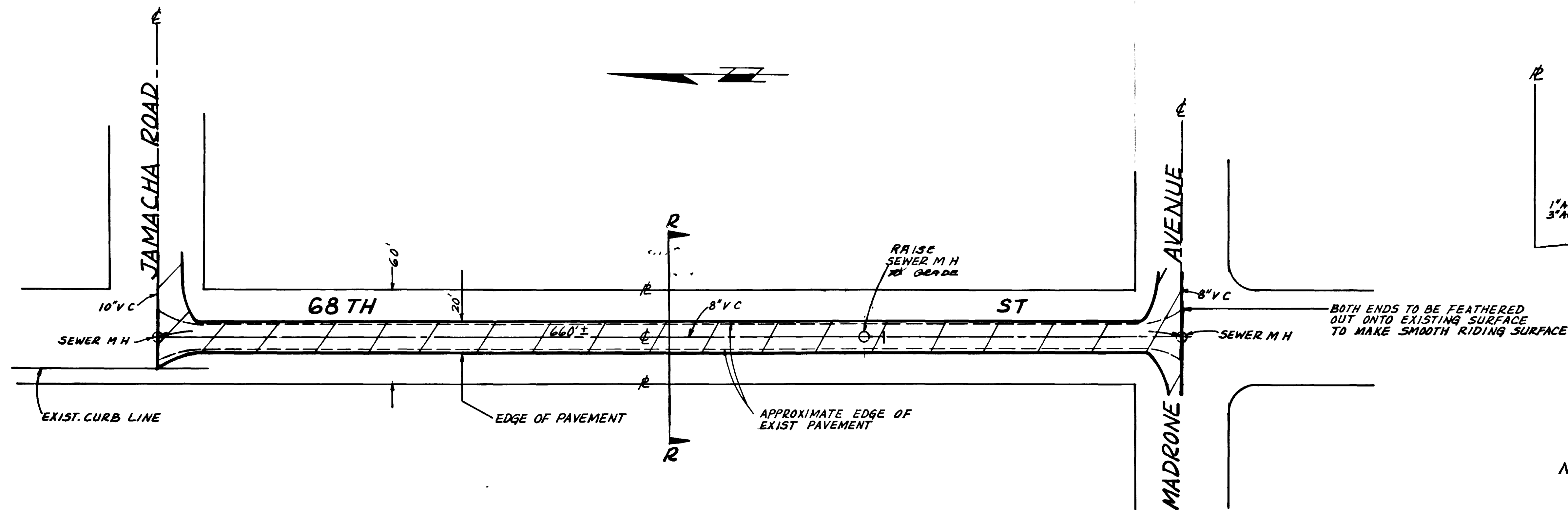
SCALE : 1" = 100'

TRAFFIC REQUIREMENTS

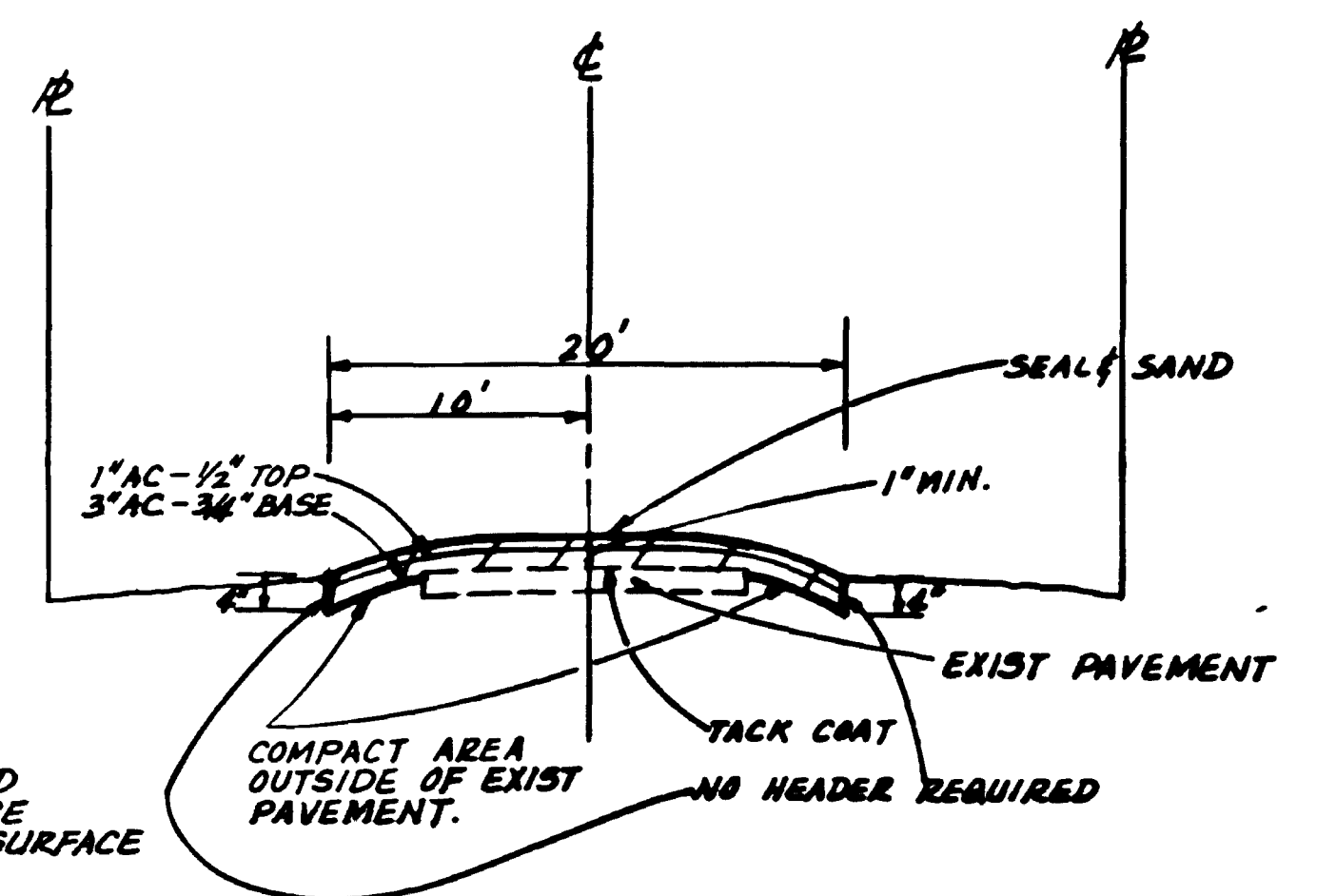
- Contractor agrees that he shall assume sole and complete responsibility for the job site, detour and traffic signing during the course of the construction of this project including safety of all persons and property, that this requirement shall apply continually and not be limited to normal working hours, and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in the connection arising from sole negligence of the owner or engineer
- The Contractor shall erect signs one week in advance of closing the street to warn the public that 69th Street will be closed for a period of time
- The Contractor shall maintain a safe passage across, through or around the construction work for pedestrians at all times
- The Contractor shall use signs, delineators, barricades, etc., per the requirements in the State of California, Department of Transportation (Caltrans) "Manual of Traffic Controls - Warning Signs, Lights and Devices for Use in Performance of Work Upon Highways" - ReflectORIZED delineators shall conform to the requirements of the Caltrans Standard Specifications, January 1981, Section 12-3.03 and 12-3.04
- Contractor shall maintain ingress/egress to all residents during construction
- The Contractor shall maintain one lane in each direction on all streets of the detour route at all times. Any deviation to these requirements shall be submitted to the Engineer for approval of the Traffic Engineer prior to any changes in detour
- The cost of installing, maintaining and removal of the traffic control of the detour for this project shall include all material, labor and equipment necessary to install at the contract lump sum bid price with no further payment for traffic control that may be needed during the contract

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD				W.D. NO. 118187
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 6 OF 5 SHEETS				DATE 7/2/88 BY John Chong CHECKED John Chong
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	CL		7/2/88	7/16
AS-BUILT	JH		7/2/88	7/16
CONTRACTOR DYNO CORP. DATE STARTED 7/2/88 INSPECTOR J. QUENGA DATE COMPLETED 7/26/88				178-1752 21481-4-D

AS-BUILT



PLAN
SCALE 1" = 40'

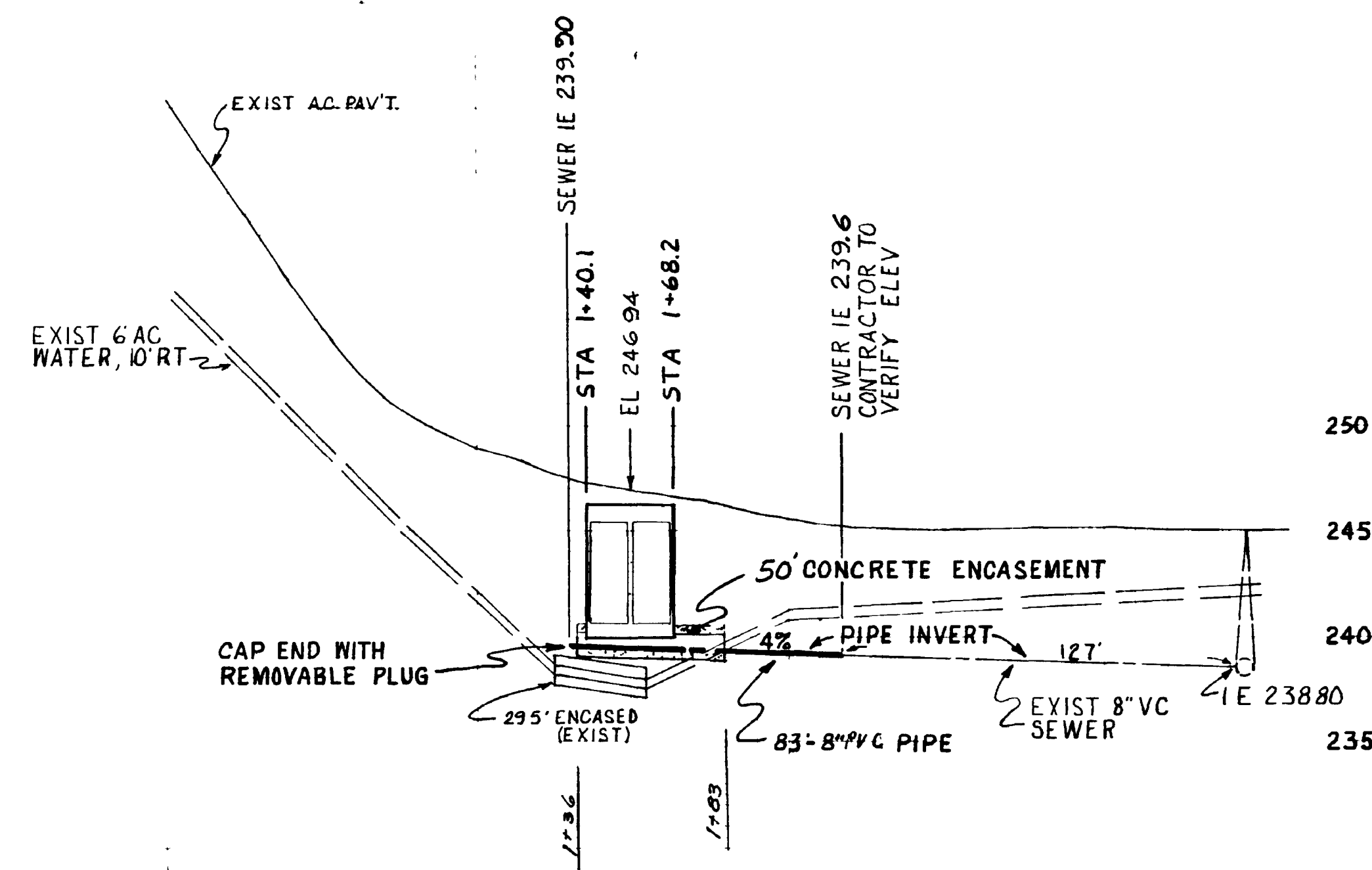


TYPICAL X-SECTION R-R
NO SCALE

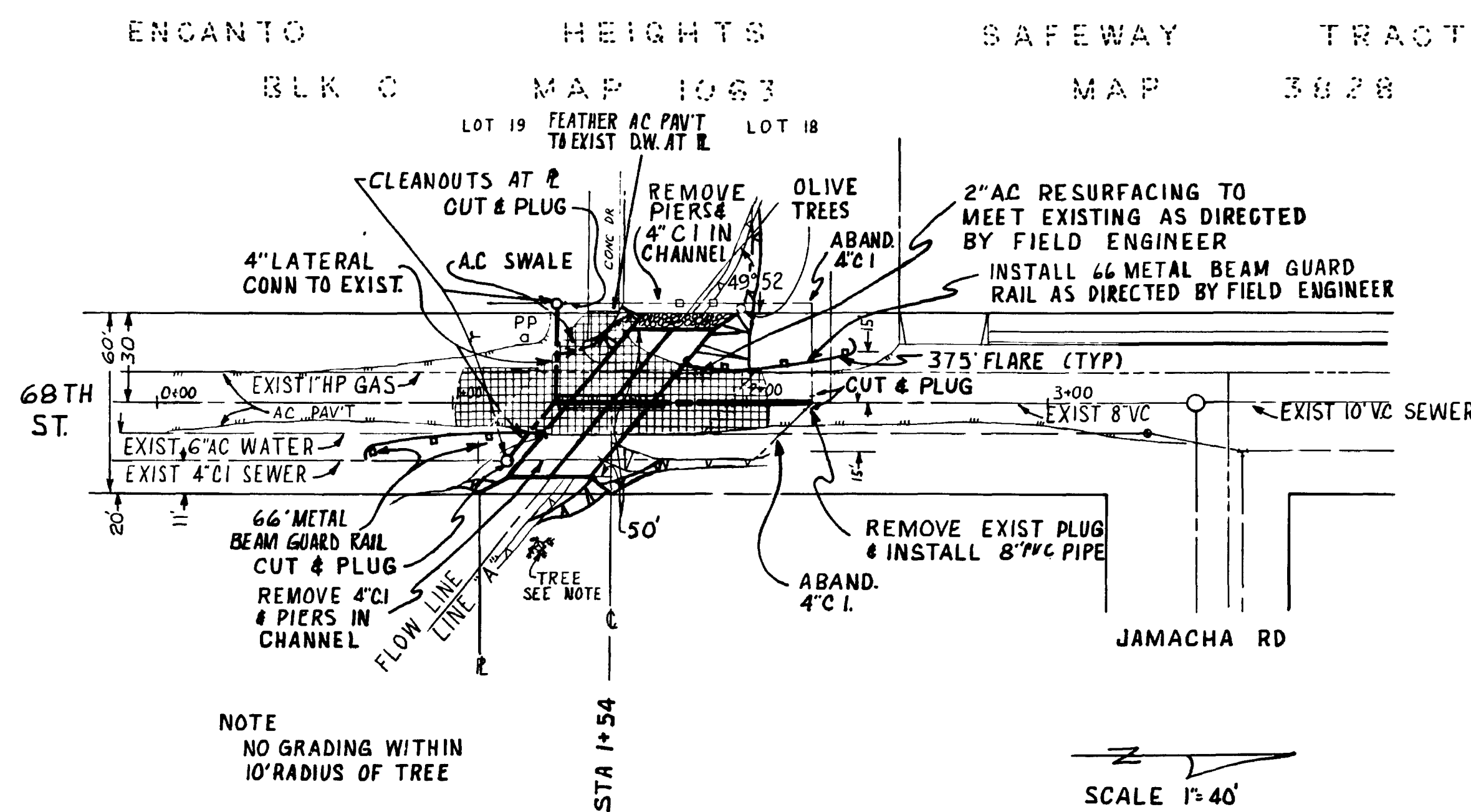
NOTE: ADJUST ALL SEWER MAN HOLES TO GRADE.

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD					
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 5 OF 5 SHEETS					W.D. NO. 118167
APPROVED <i>[Signature]</i> DATE 8/1/85		DESIGNED <i>[Signature]</i> DATE 8/1/85			SECTION 10
DESCRIPTION	BY	APPROVED	DATE	FILED	CHIEF ENGINEER
ORIGINAL	C.L.				
AS-BUILT	J.K.		8/1/85	10	
CONTRACTOR: DYNO CORP.					DATE STARTED: 1-1-85
INSPECTOR: J. QUENGA					DATE COMPLETED: 4-24-85
					128-1752
					21431-5-D

AS-BUILT



PROFILE
HORIZ. 1"=40'
VERT. 1"=6'

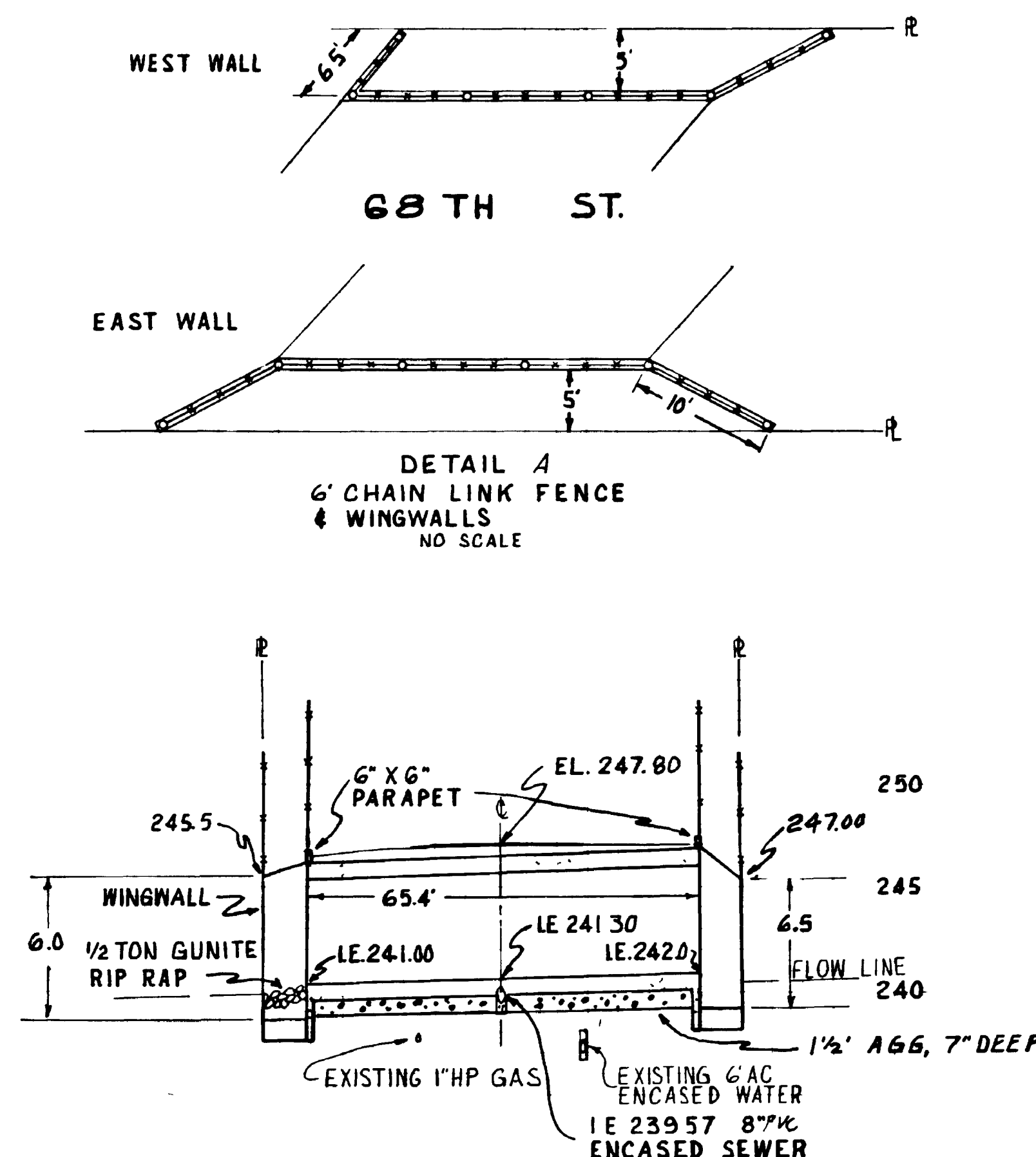


NOTE
NO GRADING WITHIN
10' RADIUS OF TREE

LOT 5 LOT 1

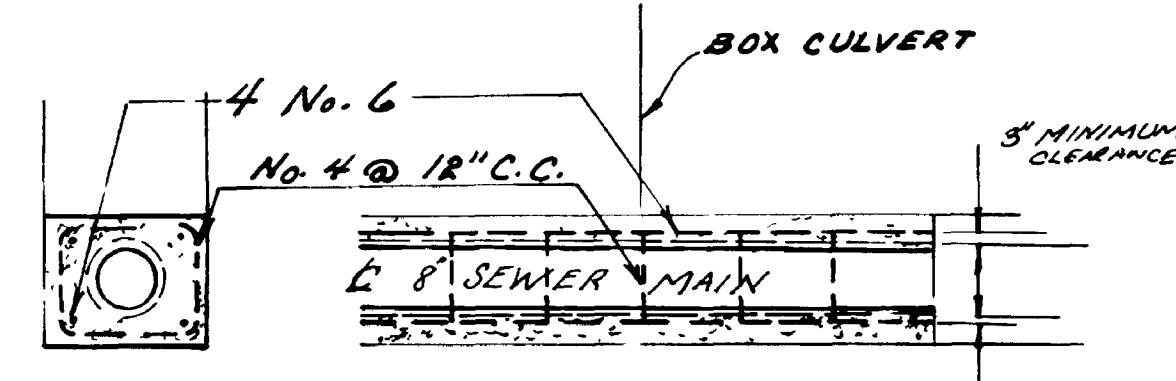
RESUB OF BLKS A & B ENCANTO
HEIGHTS MAP 1163

SCALE 1"=40'



PROFILE LINE "A"
STA 1+54
HORIZ. 1"=20'
VERT. 1"=6'

DETAIL "B" - REINFORCING
STEEL IN SEWER LINE
ENCASEMENT



WORK TO BE DONE SCHEDULE

IMPROVEMENT	CITY OF SAN DIEGO STD DRAWING	LEGEND
DOUBLE 5'x10' BOX CULVERT	CLASS A D-77	CLASS 560-8-3250
RIP RAP	D-40	CLASS 1/2 TON
WINGWALL	O-79	
6 CHAIN LINK FENCE	M-6	
PARAPET	D-81	
2" AC RESURFACING		
8" PVC SEWER PIPE	S-4	
CONCRETE ENCASEMENT	S-7	DETAIL "B" CLASS 440-C-2000
4" LATERAL	S-13	
METAL BEAM GUARD RAIL	M-7, M-8	
CUTOFF WALL	D-72	

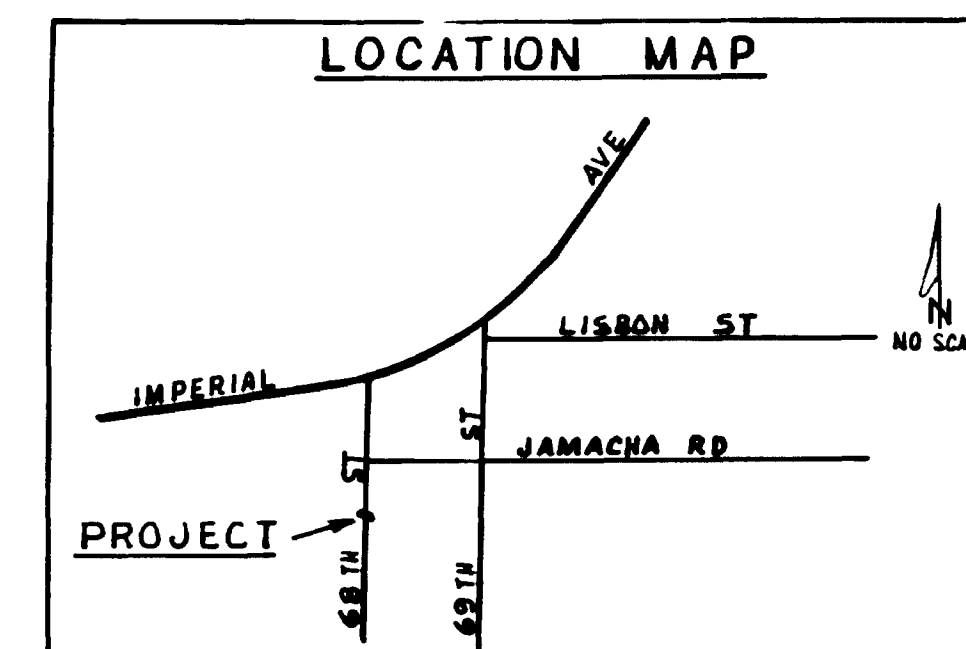
SPECIFICATION
STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT
NO 755163 FILED 5-10-76 STANDARD SPECIAL PROVISION NO 758403
FILED 2-25-77 SPECIFICATION NO. 4432

STANDARD DRAWINGS
CITY OF SAN DIEGO STANDARD DRAWINGS DOCUMENT NO. 758672 FILED 3-21-77

REFERENCE DRAWINGS
1208-D, 5435-D, 10298-2D, 7287-L & 6182-W

SURVEY NOTES
CHIEF SHOREY WO # 117613
INDEX 198-1752 DATE 1-11-78

TRAFFIC REQUIREMENTS
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT
NO 755163, DATED MAY 10, 1976.
ROAD CLOSED



C.I.P. 11-165

CITY CONTRACT

68TH STREET CULVERT
200'± SOUTH OF JAMACHA RD.

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & DEVELOPMENT DEPT		NO. 117613
SHEET 1 OF 1 SHEETS		
DEPUTY CHIEF ENGINEER	8-5-78	DATE
DESCRIPTION	BY	APPROVED
ORIGINAL	BM	
AS BUILT		198-1753
CONTRACTOR	DATE STARTED	DATE COMPLETED
INSPECTOR		

BENCH MARK
SW 8 P 68 TH ST.
& IMPERIAL AVE
ELEV. 252.437 M.S.L.

AS-BUILT

Lehotsky, Genene

From: Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Sent: Tuesday, January 05, 2016 5:09 PM
To: Lehotsky, Genene; Galer, Rose A SPL
Cc: Rothman, Christine; Matter, Gene
Subject: RE: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

Hi Genene:

Please let me know when the project is complete so I can update our database. For you files, our Project # is R9-2016-0016, Place ID 820685

Alan

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><(((9>`. . . `.>(((9>

-----Original Message-----
From: Lehotsky, Genene [mailto:DLehotsky@sandiego.gov]
Sent: Tuesday, January 05, 2016 4:18 PM
To: Galer, Rose A SPL
Cc: Monji, Alan@Waterboards; Rothman, Christine; Matter, Gene
Subject: RE: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

Hi Rose,

Thank you for your email. I will be sure to copy Alan on my responses. There is still some work that needs to be done at Jamacha; however the bulk of the maintenance has been completed. Work was stopped for the time being due to the rain.

Thank you,
Genene

Genene Lehotsky
Storm Water Division - O&M
(619) 527-7507

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, January 05, 2016 2:59 PM
To: Lehotsky, Genene <DLehotsky@sandiego.gov>
Cc: Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Subject: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Genene-

Pasted below are comments from Alan Monji at the San Diego Water Board for the Jamacha Channel. Please send responses to his questions. If I receive any other comments from other resource agencies I will forward them along as well.

Also, can you confirm if the work has been completed in the Jamacha Channel? I left a voicemail for Gene but I have not heard back whether the work was started and completed on Sunday or not. Thanks so much, Rose

Hi Rose:

Here are my comments for Jamacha Road RGP 63 (SPL-2015-00944-RAP, R9-2016-0016)

1. I would like more information regarding why the proposed work is the minimum work necessary to alleviate the emergency. From your application materials, one large stand of arundo is blocking the drainage and causing the flows to skirt around a stand of arundo. Will the flooding problem be alleviated if only the large stand of arundo is removed?
2. Looking at aerial images of Jamacha Rd, there appears to be an even larger stand of arundo and other vegetation and trees on the east side of 68th street. Are there any concerns for flooding near 68th street?
3. The application materials indicate repeated citizen's complaints for this channel. Please provide the approximate number and dates of the complaints and how the City of San Diego responded to the citizen's complaints.
4. Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB130061N (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in the form of enhancement for the removal of disturbed wetlands and impacts to the existing natural channel. No compensatory mitigation will be required for the removal of non-native vegetation.
5. Invasive plant removal can be conducted under Regional General Permit 41. Has the City of San Diego considered implementing an invasive plant removal program under this permit?
6. Has the City of San Diego conducted any maintenance activities in this section of the channel? If so, when was the last time it was maintained.
7. The San Diego Water Board requests notification of the project start and completion dates.

Alan

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 ><(((q>`. .. `.`.><(((q>

Classification: UNCLASSIFIED
Caveats: NONE

NOTICE OF EXEMPTION

(Check one or both)

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
PLANNING DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

 OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT NO.: PROJECT TITLE: **Jamacha Channel Emergency Maintenance (Map 115)**

PROJECT LOCATION-SPECIFIC: The project is emergency maintenance of an earthen bottom drainage channel located south of Jamacha Road and north of Madrone Avenue. It runs east to west and extends approximately 450 linear feet (LF) from the 69th Street culvert to the 68th Street culvert, within the Skyline-Paradise Hills Community Planning Area, Council District 4. The channel is not located within or adjacent to the Multi-Habitat Planning Area (MHPA).

PROJECT LOCATION-CITY/COUNTY: City of San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: The emergency action is for the removal of accumulated sediment and vegetation from a portion (approximately 277 LF) of the earthen bottom drainage channel and reestablishment of the north bank at an average of 2:1 slope consistent with the as-builts. The channel expands from a bottom width of 8 to 10 feet to a top width of 25 feet. Several factors have raised the risk of flood to imminent within the channel, including the accumulation of sediment and exotic vegetation (primarily Arundo) along the banks and the length of the channel that are constricting flows in the channel. Transportation & Storm Water Department (T&SW) engineers have estimated that the channel is currently at 50% capacity resulting in a severe reduction in flow rates. There have been repeated incidents of residential flooding adjacent to the channel during prior rain events. Removing the vegetation and sediment and reestablishing the north bank would restore minimum necessary capacity to the channel to prevent residential properties adjacent to this channel from being under imminent threat of severe damage from storm flooding. Therefore, the City of San Diego has determined that an imminent threat to properties adjacent to the emergency maintenance areas of the Jamacha Channel exists.

Land covers and vegetation to be removed include 0.04 acres of natural flood channel, 0.05 acres of disturbed wetland (Arundo dominated), and 0.005 acres of disturbed wetland. Total impacts to jurisdictional areas are 0.095 acres (277 LF) of wetland and non-wetland waters of the U.S. All work will be monitored by a qualified biologist and all equipment and materials will be removed following completion of work. If needed, an archaeological and Native American monitor will be present at the site during the maintenance activities.

The staging and access areas will be located along the south and north sides of the channel along established dirt easements. Ingress and egress will be from 490 69th Street. If needed, a sandbag berm and pump will be deployed at the top of the channel and the water will be bypass pumped to an area within the channel where there is positive flow to the west. Vactor machines may be used to remove water from ponding areas within the project. A Gradall, located outside of the channel, will scoop out the material and deposit it into dump trucks. All excavated materials will be hauled offsite and disposed of at the Miramar Landfill. The emergency work is expected to remove an estimated 300 cubic yards of material.

Excavation and removal of the increase in sediment and vegetation is needed to alleviate the threat of flooding to adjacent properties from storm events, and the forecasted El Niño-influenced weather patterns are expected to bring heavier than normal rainfall to the San Diego region during the winter of 2015-2016. **This emergency activity will require subsequent permit review pursuant to the modified Substantial Conformance Review Procedures as described in Chapter 7 of the Master Storm Water System Maintenance Program (MMP); and the City of San Diego's Land Development Code §143.0126 Emergency Authorization to Impact Environmentally Sensitive Lands. The application shall be submitted within 60 days of completion of the emergency work.**

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Gene Matter 619.527.7506
Transportation & Storm Water Division, Operations and Maintenance, 2781 Caminito Chollas, MS 44, San Diego, CA 92105

EXEMPT STATUS: (CHECK ONE)

- ☐ MINISTERIAL (Sec. 21080 (b) (1); 15268);
- ☐ DECLARED EMERGENCY (Sec. 21080 (b) (3); 15269(a));
- ☒ **EMERGENCY PROJECT [Sec. 21080(b)(2),(4); 15269(b),(c)]**
- ☐ CATEGORICAL EXEMPTION: (Sec. 15301)
- ☐ STATUTORY EXEMPTIONS: (Sec. 15269)

REASONS WHY PROJECT IS EXEMPT: This emergency activity meets the criteria set forth in Public Resources Code Section 21080(b)(4) and Section 15269(c) of the CEQA Guidelines, which allow for actions necessary to prevent or mitigate an emergency. The work may also include emergency repairs to public or private facilities necessary to maintain service, which are exempt under Public Resources Code Section 21080(b)(2) and CEQA Guidelines Section 15269(b).

T&SW staff has determined that an imminent threat to properties adjacent to the channel exists. Inspections on December 11, 2015 and December 18, 2015 revealed that the channel cannot convey storm water as designed due to significant uneven build-up of sediment and vegetation. Degradation of the banks on the south side of channel was also observed. The removal of approximately 277 LF of vegetation and sediment and smoothing of the channel bottom and banks is necessary to avoid or minimize the threat of loss or damage to life, property or essential public services. The work is the minimum necessary to prevent and mitigate the emergency and will have no more than a minimal and temporary effect on the aquatic environment.

LEAD AGENCY CONTACT PERSON: Myra Herrmann, Senior Planner, Planning Department, Telephone: (619) 446-5372

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
☐ YES ☐ NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

 SENIOR PLANNER
SIGNATURE/TITLE

January 4, 2016
DATE

CHECK ONE:

- ☒ SIGNED BY LEAD AGENCY
- ☐ SIGNED BY APPLICANT

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:



STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
LAKE OR STREAMBED ALTERATION PROGRAM



Information Regarding Emergency Work

Fish and Game Code section 1610 exempts certain types of emergency work from the notification requirement in section 1602. Specifically, notification is not required before beginning any of the following emergency work:

- 1) immediate emergency work necessary to protect life or property;
- 2) immediate emergency repairs to public service facilities necessary to maintain service as a result of a disaster in an area in which the Governor has proclaimed a state of emergency; and/or
- 3) emergency projects undertaken, carried out, or approved by a state or local governmental agency to maintain, repair, or restore an existing highway, as defined in Vehicle Code section 360, within the existing right-of-way of the highway, that has been damaged as a result of fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide, within one year of the damage.

Although notification is not required **before** beginning the emergency work, the Department must be notified in writing within 14 days **after** the work begins ("emergency notification"). The notification requirement can be met by completing and submitting the attached Emergency Notification form to the Department regional office that serves the county where the emergency work occurs.

If the Department does not receive the emergency notification within 14 days after the work begins, or the work did not constitute emergency work, the entity responsible for the work may be subject to criminal or civil prosecution. Hence, it is important that the work meets the definition of "emergency."

"Emergency" means "a **sudden, unexpected** occurrence, involving a clear and imminent danger, demanding **immediate** action to prevent or mitigate the loss of, or damage to, life, health, property, or essential public services. 'Emergency' includes such occurrences as fire, flood, earthquake, or other soil or geologic movements, as well as such occurrences as riot, accident, or sabotage." (Public Resources Code section 21060.3 (emphasis added)). See also Fish and Game Code section 1601, subdivision (c).

Although emergency work is exempt from the notification requirement in Fish and Game Code section 1602, the entity responsible for completing the emergency work must comply with other applicable local, state, and federal laws, including other provisions in the Fish and Game Code, such as section 5650 (prohibiting the discharge or release of deleterious substances or materials) and section 5901 (prohibiting the construction or maintenance of any device or contrivance that prevents or impedes fish passage).

The Department recommends that emergency work be conducted in accordance with the guidelines below to minimize impacts to fish and wildlife resources.

- 1) The person(s) completing the emergency work should prevent raw cement, concrete, or washings thereof, asphalt, paint, or other coating material, oil or other petroleum products, or any other substance which can be deleterious to aquatic life from contaminating soil and/or entering a river, stream, lake or other waters of the state. (See Fish and Game Code section 5650.)
- 2) The person(s) completing the emergency work should minimize the disturbance or removal of vegetation in completing the work.

FOR DEPARTMENT USE ONLY

Date Received

Notification Number



STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
LAKE OR STREAMBED ALTERATION PROGRAM
NOTIFICATION OF EMERGENCY WORK



Complete EACH field and attach additional pages if necessary.

1. PERSON, BUSINESS, OR AGENCY RESPONSIBLE FOR EMERGENCY WORK

If the emergency work is being conducted by a business, agency, or utility, please include the name of your designated representative.

Name	Gene Matter		
Business/Agency	City of San Diego Storm Water Division		
Street Address	2781 Caminito Chollas, MS 44		
City, State, Zip	San Diego, CA, 92105		
Telephone	619-527-7506	Fax	619-527-7445
Email	rmatter@sandiego.gov		

2. LOCATION OF EMERGENCY WORK

Address or description of project location. (Include a map that marks the location of the project with a reference to the nearest city or town, and provide driving directions from a major road or highway.)

Project Address: 6857 Jamacha Rd., San Diego, CA 92114
From I-5 Southbound; take Exit 15B for CA-94 East. Continue on CA-94 East and take Exit 5 for Federal Boulevard. Continue on Federal Boulevard and turn right onto 60th Street, and then keep left to stay on 60th Street. Turn left onto Broadway and then turn right at the second cross street onto 65th Street. Turn left onto Imperial Avenue and then turn right onto 69th Street. The channel is located on the right hand side just after the 69th Street and Jamacha Road intersection.

☐ Continued on additional page(s)

River, stream, or lake affected by project	Unnamed tributary to South Chollas Valley			
What water body is the river, stream, or lake tributary to?	Chollas Creek; South Chollas Valley (Hydrologic Unit Basin Number 8.22)			
Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts?	☐ Yes	☒ No	☐ Unknown	
County	San Diego			
USGS 7.5 Minute Quad Map Name	Township	Range	Section	Section
National City	N/A	N/A	N/A	N/A
☐ Continued on additional page(s)				
Meridian (check one)	☐ Humboldt ☐ Mt. Diablo ☒ San Bernardino			

NOTIFICATION OF EMERGENCY WORK

2. LOCATION OF EMERGENCY WORK continued

Assessor's Parcel Number(s)			
5492220200, 5492221800, 5492220700, 5492222300, 5492222200, 5492220500, 5492220600			
☐ Continued on additional page(s)			
Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes.)			
Latitude/Longitude	Latitude: 32° 42' 35.72"		Longitude: 117° 02' 59.61"
	☒ Degrees/Minutes/Seconds ☐ Decimal Degrees ☐ Decimal Minutes		
UTM	Easting:	Northing:	☐ Zone 10 ☐ Zone 11
Datum used for Latitude/Longitude or UTM		☐ NAD 27 ☒ NAD 83 or WGS 84	

3. NATURE OF EMERGENCY WORK

Date emergency began or was first discovered	12/11/15
Date emergency work began	1/3/16
Date emergency work was or will be completed	1/3/16
Briefly describe the type of emergency (e.g., flooding or earth movement).	
With the prediction of El Niño, the City of San Diego (City) determined that the maintenance area identified within this channel section (MMP Map 115; Figure 3) posed a high flood risk from existing sediment and vegetation build up. The build up of sediment and several large stands of Arundo had narrowed the channel in and had resulted in reduced flow capacity, causing flows to back-up upstream in recent storm events posing an imminent flood risk to adjacent residences. An application for RGP 63 Authorization is being processed by the US Army Corps of Engineers (SPL-2015-00887-RAG) and San Diego RWQCB; both agencies were notified that maintenance was initiated based on an upcoming significant storm event that occurred 1/4/16 to 1/8/16. An NOE, NORA and Emergency Permit were also issued by the City's Development Services Department.	
Identify the type of property affected by the emergency by marking the appropriate boxes below.	
☒ Bridge, culvert, or other water crossing ☒ Dwelling or other building ☐ Levee or other bank protection ☒ Road ☐ Farmland ☐ Utility ☐ Other (describe): _____	
Describe the emergency work.	
The maintenance area was dry during clearing activities, therefore sandbags, berms, or pumps were not required. A Gradall and mini-excavator were the primary tools used during maintenance. This equipment accessed the channel from the access and staging area adjacent to 69th Street. (MMP Map 115; Figure 3). The Gradall was operated from above the limits of the channel within the staging area and was used to removed vegetation and sediment from the channel. A mini-excavator was placed in the channel and collected material that was out of the reach of the Gradall. The debris collected in the channel by the Gradall and mini-excavator was then loaded into dump trucks and was either taken to a temporary stockpiling area within the access area west of 69th Street or was taken directly to the Miramar Landfill for disposal. Crews installed proper BMPs around the stockpile area (i.e., fiber rolls). All work was monitored by a qualified biologist.	
☐ Continued on additional page(s)	

NOTIFICATION OF EMERGENCY WORK

3. NATURE OF EMERGENCY WORK continued

Briefly describe the dimensions (e.g., length and width) of the area or areas affected by the emergency and the work area.

The section of channel that was maintained was composed of earthen natural flood bottom channel (0.004 acre), disturbed wetland (Arundo dominated) (0.005 acre), and disturbed wetland (0.005 acre); a total of 0.095 acre (277 linear feet) (MMP Map 115; Figure 3). The maintenance area extends from the 69th Street culvert outlet and ends upstream of the 68th Street culvert inlet, with an average width of approximately 15 feet.

☐ Continued on additional page(s)

Describe any work you intend to complete after the emergency to restore the affected area.

The project restored the channel capacity to the as-built condition of the earthen channel. All equipment and materials were removed from the channel. Most of the materials were hauled to an approved landfill, with exception of a temporary stockpile within the staging area which will be removed no later than 1.18.16. No additional work is anticipated, with the exception of ongoing inspections and as-needed maintenance, as permits allow.

☐ Continued on additional page(s)

4. SIGNATURE

I hereby certify that to the best of my knowledge the information in this emergency notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the person, business, or agency responsible for the emergency work. *I understand that if the Department does not receive this emergency notification within 14 days after the emergency work begins, or the work did not constitute emergency work, I and/or the person, business, or agency responsible for the emergency work may be subject to criminal or civil prosecution.*



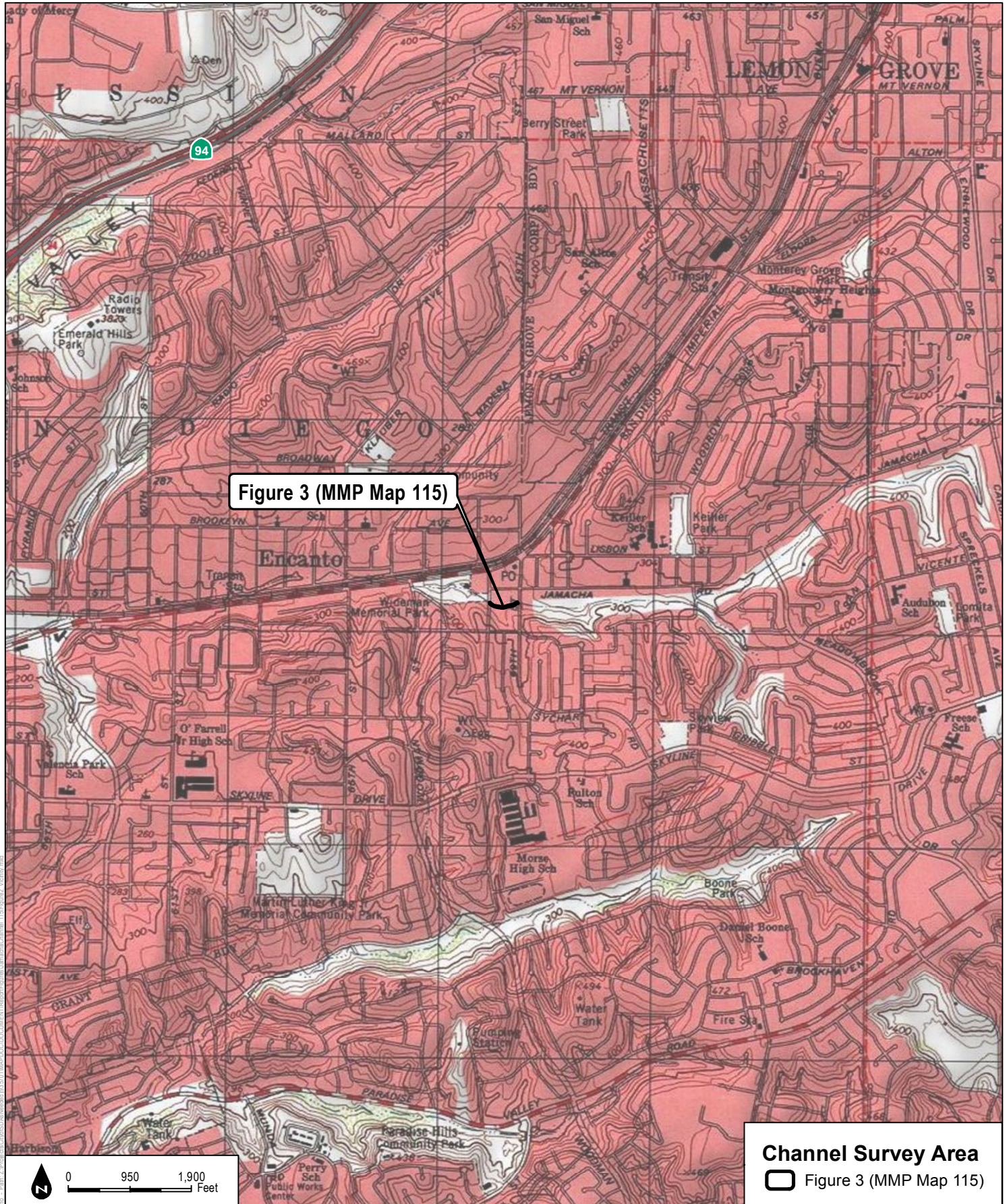
Signature of Applicant or Applicant's Authorized Representative



Date



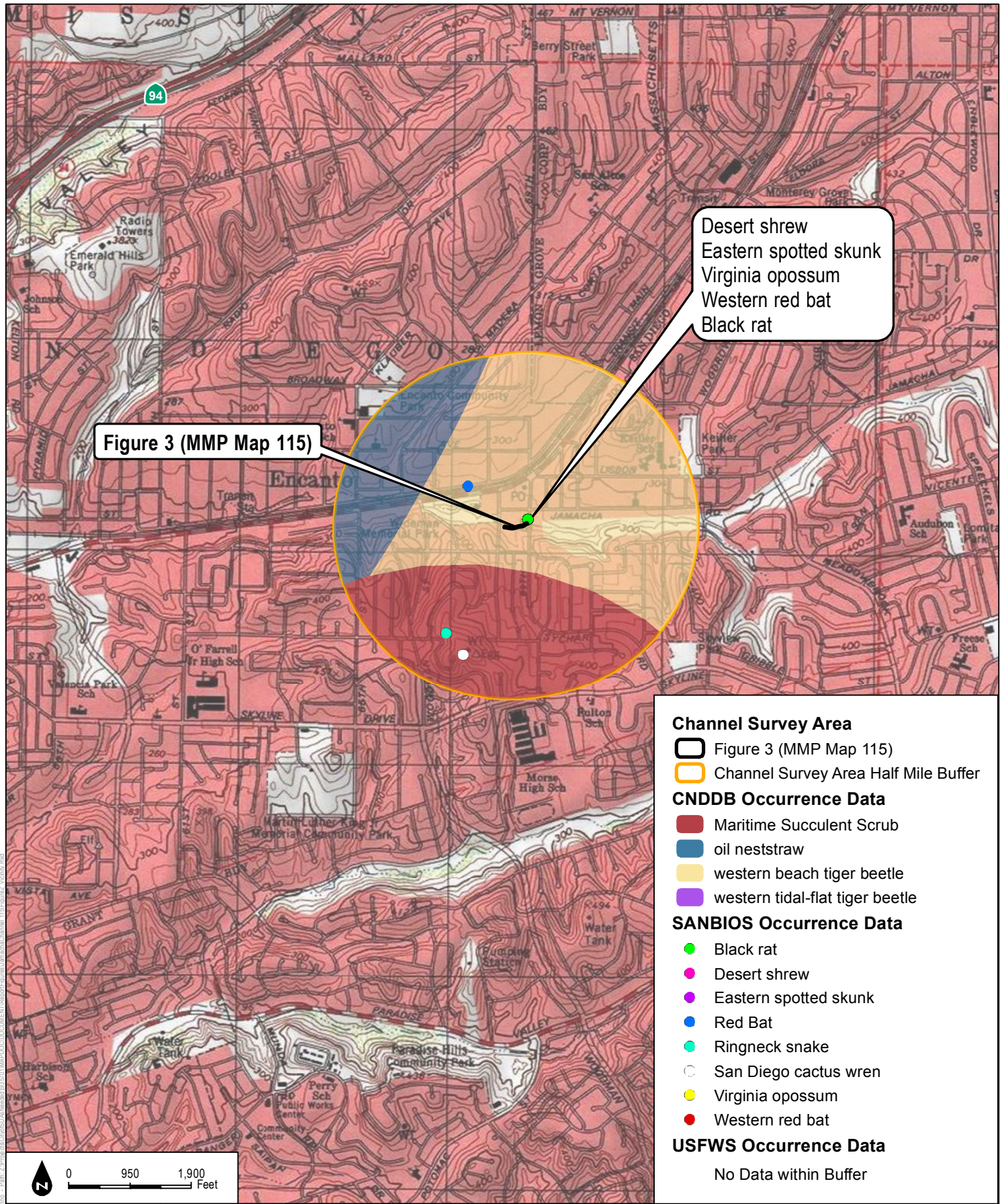
Print Name



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

FIGURE 2
Vicinity Map

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle; CNDDDB, 12/01/2015; SANBIOS, 03/20/2009; USFWS, 2015.

FIGURE 2
Vicinity Map

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance

ATTACHMENT A

Jamacha Emergency Channel Maintenance, MMP Map 115

Photograph Log

Photograph 1: Photo looking east toward the 69th St. culvert outlet within the channel at sediment and vegetation build-up.



(January 3, 2016; 07:02 AM)

Photograph 2: Photo taken pre-construction during staging, looking northeast toward 69th St. from the disturbed land south of the channel.



(January 3, 2016; 09:24 AM)

Photograph 3: Photo looking north at the Gradall and mini-excavator removing vegetation and sediment and the loading debris into dump trucks.



(January 3, 2016; 10:17 AM)

Photograph 4: Photo looking northeast of a dump truck unloading debris to a temporary stockpiling area before debris is taken to Miramar Landfill for disposal.



(January 3, 2016; 11:38 AM)

Photograph 5: Photo looking east at the mini-excavator in the channel removing vegetation and sediment within the channel.



(January 3, 2016; 01:21 PM)

Photograph 6: Photo looking west at the removed vegetation and sediment in the channel during construction.



(January 3, 2016; 01:21 PM)

Photograph 7: Photo taken from 69th St. looking west at the Gradall removing vegetation and sediment from the channel and unloading debris into a temporary stockpile.



(January 3, 2016; 03:38 PM)

Photograph 8: Photo taken from 69th St. looking southwest at the BMPs around the stockpile area (i.e. fiber rolls). This material was taken to the Miramar Landfill post-construction.



(January 3, 2016; 04:23 PM)