

SANTA BARBARA COUNTY

FLOOD CONTROL AND WATER CONSERVATION DISTRICT

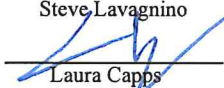
CONSTRUCTION PLANS FOR

LOWER MISSION CREEK

REACH 2B-2 DEBRIS RACK REPAIR PROJECT

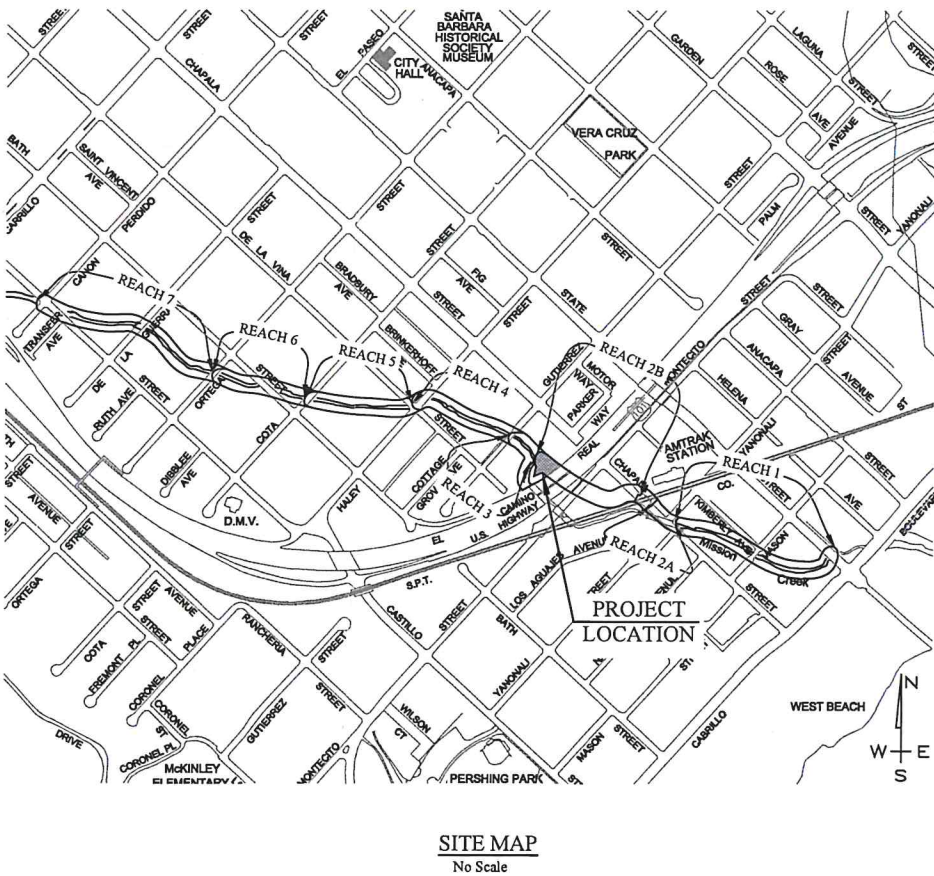
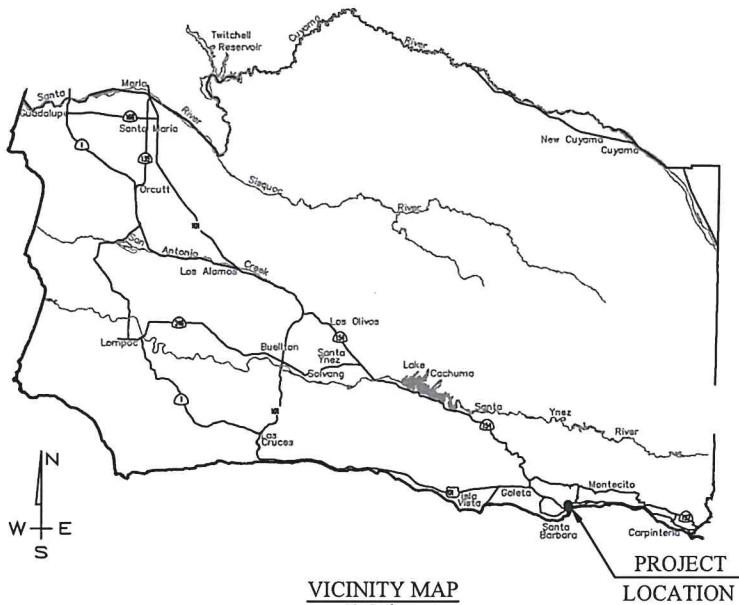
IN THE CITY OF
SANTA BARBARA, CALIFORNIA

PROJECT NO. 23STM1-S05C
DISTRICT BOARD OF DIRECTORS

FIRST DISTRICT	Roy Lee
SECOND DISTRICT	Laura Capps
THIRD DISTRICT	Joan Hartmann
FOURTH DISTRICT	Bob Nelson
FIFTH DISTRICT	Steve Lavagnino
CHAIR, BOARD OF DIRECTORS	 Laura Capps

INDEX TO SHEETS

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UNAUTHORIZED CHANGES OR USES
THE SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT AND ITS
EMPLOYEES SHALL NOT BE RESPONSIBLE FOR ANY CHANGES OR USES OF THESE PLANS. ALL
CHANGES TO THESE PLANS SHALL BE MADE BY THE DISTRICT ENGINEER OR HIS DESIGNATED
PERSONNEL. ANY CHANGES MADE BY OTHERS SHALL BE AT THE USER'S RISK AND WITHOUT
RESPONSIBILITY TO THE DISTRICT.

NO.	REVISIONS	DATE	APR
1	DESCRIPTION		
2			
3			
4			
5			

CWE
1561 E. ORANGETHORPE AVE.
SUITE 240
FULLERTON, CA 92831
TEL (714) 526-7500
www.cwecorp.com


WILLIAM F. YOUNG
35715
DATE 03/25/25
REGISTERED PROFESSIONAL ENGINEER
No. 35715
Exp. 9-30-25
CIVIL
STATE OF CALIFORNIA

REVIEWED BY:  3/26/2025 | 3:09 PM PDT
FLOOD CONTROL ENGINEERING MANAGER
DATE
REVIEWED BY:  3/26/2025 | 3:12 PM PDT
MAINTENANCE SUPERINTENDENT
DATE
REVIEWED BY:  3/26/2025 | 3:30 PM PDT
ENVIRONMENTAL SERVICES MANAGER
DATE

SANTA BARBARA COUNTY
FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
130 EAST VICTORIA STREET, SUITE 200
SANTA BARBARA, CA 93101
(805) 568-3440



LOWER MISSION CREEK
REACH 2B-2 DEBRIS RACK
CITY OF SANTA BARBARA SANTA
BARBARA, CALIFORNIA

TITLE SHEET

DESIGNED BY: MN
DRAWN BY: MM
CHECKED BY: WFY
FC01
SHEET 1 OF 7
Filename: 00FC-001.DWG

SYMBOL LEGEND

Control Point		Existing Storm Drain Manhole	
Existing Cable TV Box		Existing Structure Bench	
Existing Cable TV Vault		Existing Structure Bollard/Post	
Existing Catch Basin		Existing Telephone Box	
Existing Electric Box		Existing Telephone Manhole	
Existing Electric Guy Wire		Existing Telephone Pole	
Existing Electric Manhole		Existing Telephone Vault	
Existing Electric Meter		Existing Vegetation Bush/Hedge	
Existing Electroliner		Existing Vegetation Cactus	
Existing Fire Hydrant		Existing Vegetation Shrub	
Existing Gas Meter		Existing Vegetation Tree	
Existing Gas Valve		Existing Vegetation Tree Eucalyptus	
Existing Irrigation Sprinkler		Existing Vegetation Tree Lemon	
Existing Luminary		Existing Vegetation Tree Palm	
Existing Mailbox		Existing Vegetation Tree Pine	
Existing Monument		Existing Vegetation Tree Stump	
Existing Power & Telephone Pole		Existing Vegetation Tree Sycamore	
Existing Rock		Existing Vegetation Tree Willow	
Existing Sewer Cleanout		Existing Vegetation Tree Yucca	
Existing Sewer Manhole		Existing Water Meter	
Existing Signage		Existing Water Valve	
Existing Storm Drain Grate			

LINETYPE LEGEND

Boundary Easement Line	
Boundary Right of Way Line	
Boundary Property Line	
Centerline	
Contourline-Major	
Contourline-Minor	
Existing AC Edge of Pavement	
Existing Flowline	
Existing Building	
Existing Drainage	
Existing Facilities	
Existing Fence (chainlink)	
Existing Guardrail	
Existing Concrete Barrier	
Existing Structure Wall	
Existing Utility Cable TV	
Existing Utility Gas	
Existing Utility Sewer	
Existing Utility Telephone	
Existing Utility Water	
Existing Sidewalk	
Existing Storm Drain	
Existing Wood Rail Fence	
Existing Vegetation Brush	
Existing Structure Concrete	
Proposed Facilities	
Proposed Storm Drain	
Retaining Wall Gutter	
Temporary Construction Fence or Existing Barbed Wire Fence	
Proposed Chain Link Fence or Channel Railing	

ABBREVIATIONS

ACP	Asbestos cement pipe	MBGR	Metal Beam Guard Rail
APN, AP	Assessors parcel number	MH	Manhole
AP	Angle Point	MJ	Mechanical joint
APWA	American Public Works Assoc.	N	North or northing
AW	Abandoned Water	No	Number
BC	Beginning of Curve	NTS	Not to scale
BLDG	Building	OC	On center
CB	Catch Basin	OHW	Overhead Wire
CFS	Cubic feet per second	PCC	Point of Compound Curve
CL or CL	Center Line	PE	Plain End
CALTRANS	State of California Department of Transportation	PVC	Polyvinyl Chlorine (Pipe)
CITY	City of Santa Barbara	PRO	Proposed
COUNTY	County of Santa Barbara	PK	PK nail
CMP	Corrugated metal pipe	Q	Flow Rate
CP	Control point	R1	Record per book nn, page nn of maps
DI	Ductile iron or drop inlet	RW	Right-of-Way
DIA.	Diameter	RCC	Reinforced Concrete Channel
DW	Driveway	RCB	Reinforced Concrete Box
DB	Double	RET	Retaining Wall
E	East or easting	S	Sewer or slope or south
EC	End of Curve	SBCFC&WCD	Santa Barbara County Flood Control and Water Conservation District
EG	Existing ground	SCGC	Southern California Gas Company
EGL	Energy grade line	SD	Storm drain
EL	Elevation	SH	Shiner
EP	Edge of pavement	SL	Street Light (Conduit)
ELEC	Electric	SPK	Spike
EX	Existing	SS	Stainless Steel
FD	Found	SW	Sidewalk
FL	Flow Line or Flanged Joint	TW or tw	Top of wall
FS	Finished Surface	TCE	Temporary construction easement
FOC	Fiber Optic Cable	TBM	Temporary bench mark
FT	Feet	TSW	Top of sidewalk
g	Gravitational constant	TOF	Top of Footing
G	Gas line	TP	Top of pavement
GB	Grade break	TWE	Temporary Work Easement
HDPE	High density polyethylene	W	West
HGL	Hydraulic grade line	W or WL	Water line
IP	Iron pipe	WF	Wall face
IN	Inch	V	Velocity
INT	Intersection	VB	Valve box
JS	Junction structure		
LF	Linear Foot		

DEFINITIONS

To be Removed by Others	Facility is to be Removed by Another Public Agency Contractor or Utility Agency (not per this plan)
To be Replaced by Others	Facility is to be replaced by Another Public Agency Contractor or Utility Agency (not per this plan)
To be Relocated by Others	Facility is to be relocated by Another Public Agency Contractor or Utility Agency (not per this plan)

CONTROL

1. Mapping

Topographic mapping was compiled at a scale of 1"=200', with a 1 foot contour interval, using standard photogrammetric methods and procedures by arrowhead mapping corporation, from aerial photography dated may 5, 2003.

Mapping is supplemented by data collected in a field survey using conventional methods and procedures in June 2003 by Penfield & Smith, and in August 2003 by Johnson Frank & Associates.

Aerial photography

The aerial photography used as the background for this map was obtained on May 5, 2003 by arrowhead mapping corporation, the photography has been converted into a digital format and corrected for horizontal and vertical distortion using standard photogrammetric methods.

2. Basis of bearings and coordinates

Bearings shown on this map are based on the California coordinate system, NAD 83, zone 5 grid (epoch 1991.35), defined locally by the Santa Barbara control network as shown on record of survey filed with the county surveyor in book 147 pages 70-74. Distances and coordinates shown as measured or calculated are expressed in CCS, NAD 83, zone v grid us survey foot units.

3. Elevations

Elevations shown hereon are expressed in U.S. Survey feet and are referenced to the north American vertical datum of 1988 (navd88), defined locally by the Santa Barbara control network as shown on record of survey filed with the county surveyor in book 147 pages 70-74.

Utilities:

The existing utilities shown hereon have been compiled from atlas maps obtained from the following public and private entities:

Electric.....	Southern California Edison Company
Gas.....	Southern California Gas Company
CATV.....	Cox Communications
Verizon.....	Telephone Communications
AT&T.....	Fiber Optic Cable
U.S. Sprint	Fiber Optic Cable
MCI Network Services Inc.....	Fiber Optic Cable
Water.....	City of Santa Barbara
Sewer.....	City of Santa Barbara
Storm Drain.....	City of Santa Barbara

Compiled utilities have been georeferenced to visible surface utilities located by said aerial mapping and supplemental field surveys.

Notes

STATE DEPARTMENT OF TRANSPORTATION

The included plans and specifications incorporate California Department of Transportation (Caltrans) Standard Plans and Specifications, 2010

PERMITS

SBCFC&WCD has obtained a Caltrans District 5 Encroachment Permit for this project. The Contractor shall obtain his portion of the double permit and meet all requirements included in the Encroachment Permit, including but not limited to storm water documents and bonds.

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REVISIONS			
NO.	DESCRIPTION	DATE	APR

CWE
1561 E. ORANGETHORPE AVE.
SUITE 240
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WILLIAM F. YOUNG 35715 DATE 10/3/25

SANTA BARBARA COUNTY
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130 EAST VICTORIA STREET, SUITE 200
SANTA BARBARA, CA 93101
(805) 568-3440



LOWER MISSION CREEK
REACH 2B-2 DEBRIS RACK
CITY OF SANTA BARBARA SANTA
BARBARA, CALIFORNIA

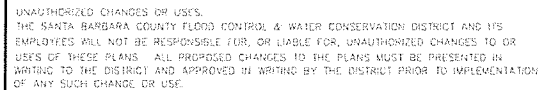
GENERAL INFORMATION

DESIGNED BY:	MM
DRAWN BY:	MM
CHECKED BY:	WFY

FC02

SHEET 2 OF 7

Filename: 00FC-002.DWG



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William F. Young 03/05/25

WILLIAM F. YOUNG 35715 DATE

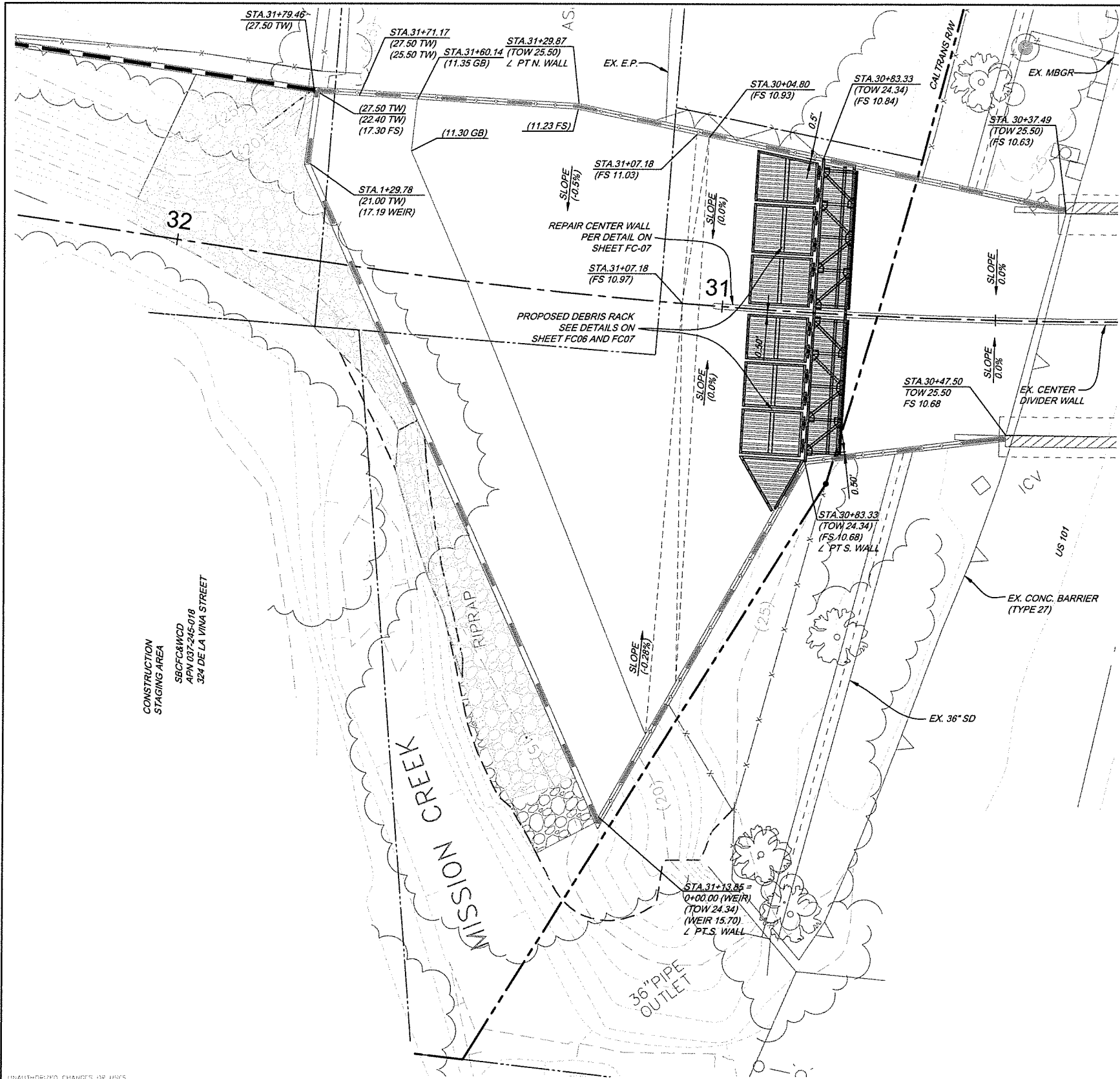
REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

EASEMENTS

FC03

SHEET 3 OF 7

Filename: 00FC-003.DWG



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PLAN
SCALE: 1"=10'

GRAPHIC SCALE



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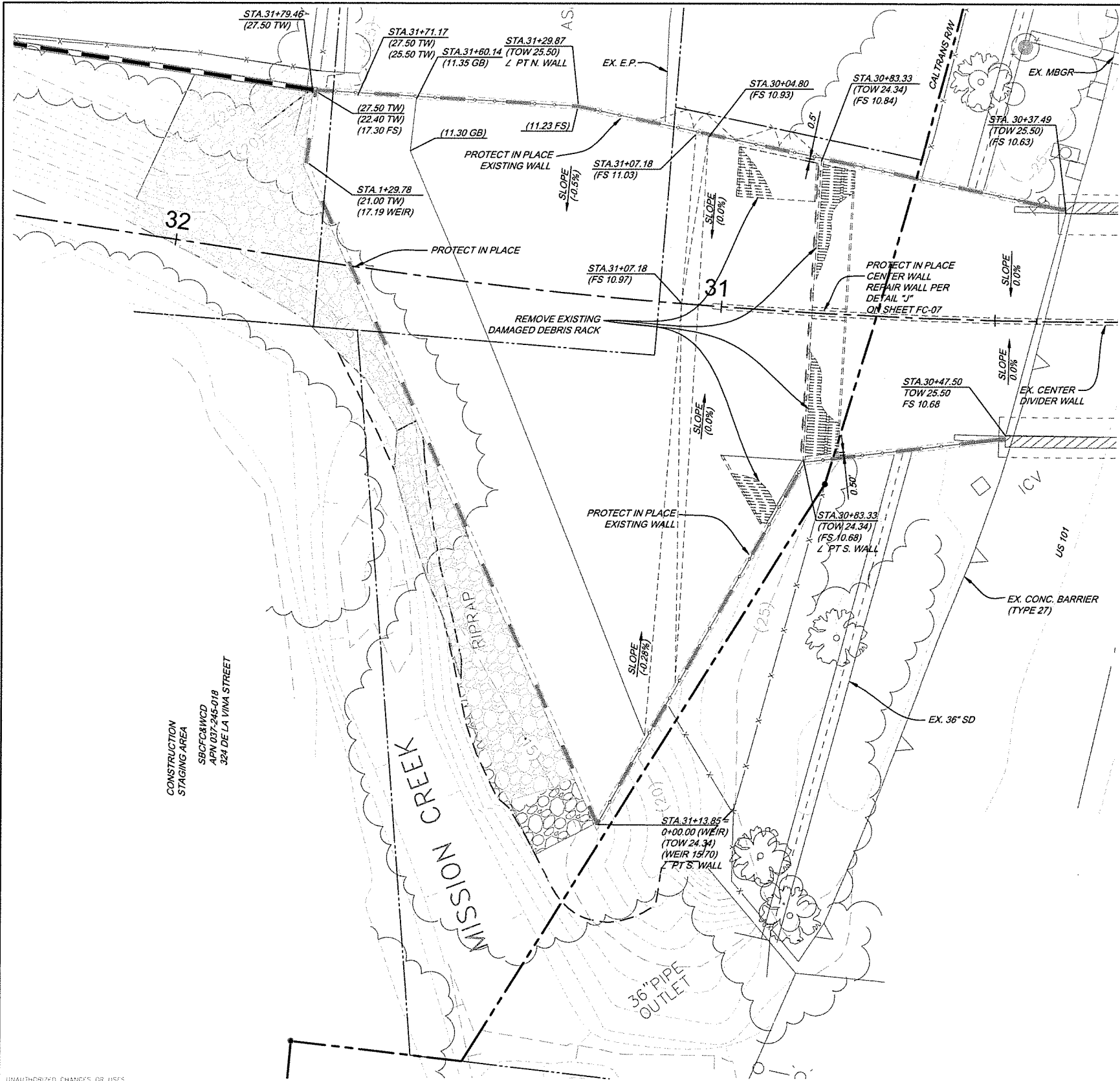
SITE PLAN

DESIGNED BY:
MN
DRAWN BY:
MM
CHECKED BY:
WY

FC04

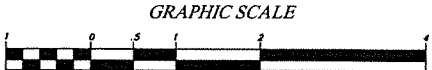
SHEET 4 OF 7

Filename: DOFC-004.DWG



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PLAN
SCALE: 1"=10'



GRAPHIC SCALE

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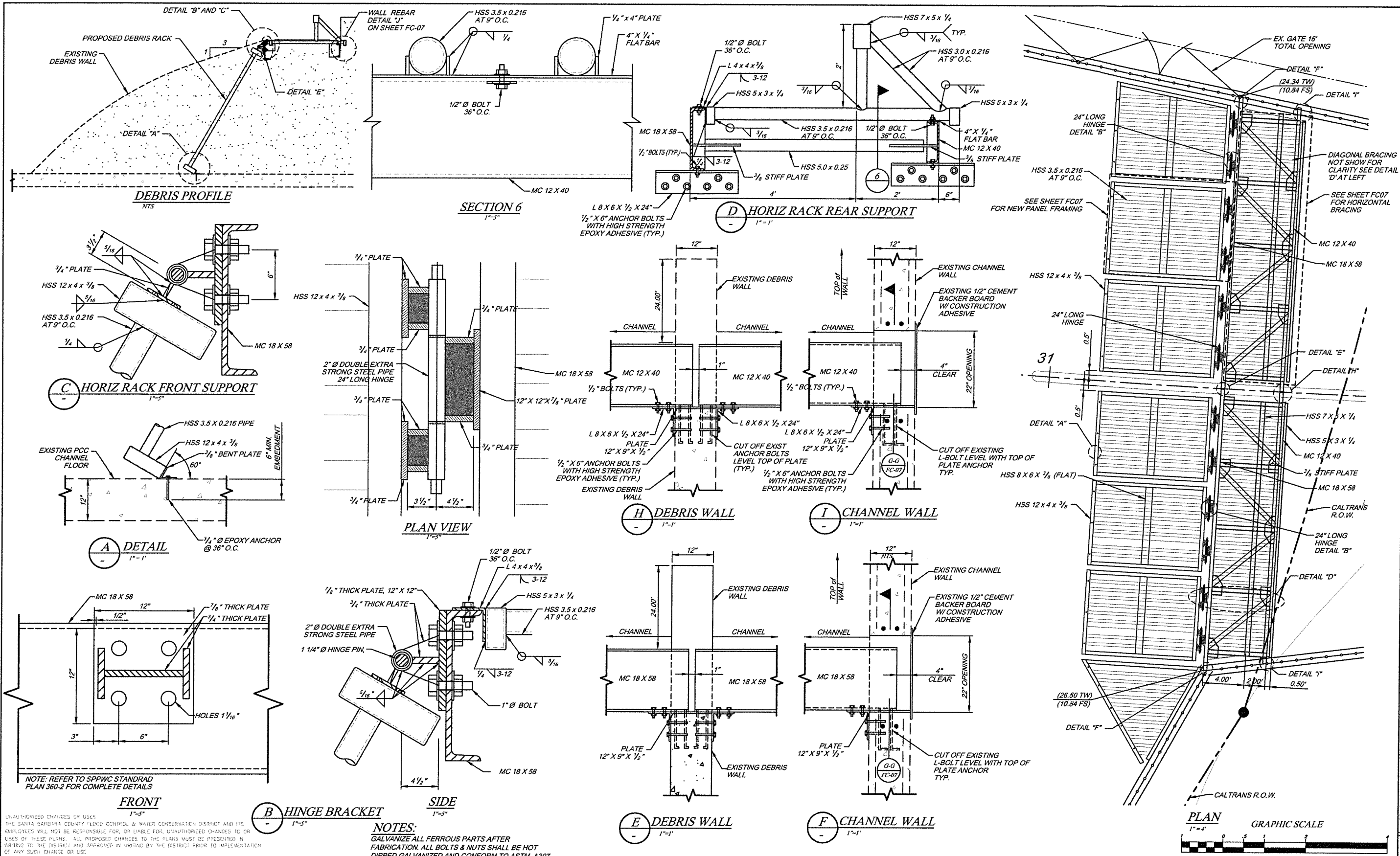
LOWER MISSION CREEK
REACH 2B-2 DEBRIS RACK
CITY OF SANTA BARBARA SANTA
BARBARA, CALIFORNIA



DESIGNED BY:
MN
DRAWN BY:
MM
CHECKED BY:
WY

DEMOLITION PLAN

FC05
SHEET 5 OF 7
Filename: DOFC-005.DWG



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NOTES:
GALVANIZE ALL FERROUS PARTS AFTER
FABRICATION. ALL BOLTS & NUTS SHALL BE HOT
DIPPED GALVANIZED AND CONFORM TO ASTM A307.

NO.	REVISIONS	DESCRIPTION	DATE	APR

CWE
1611 E. ORANGETHORPE AVE.
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William F. Young
02/05/23
35715
DATE
REGISTERED PROFESSIONAL ENGINEER
No. 35715
Exp. 9-30-25
CIVIL
STATE OF CALIFORNIA

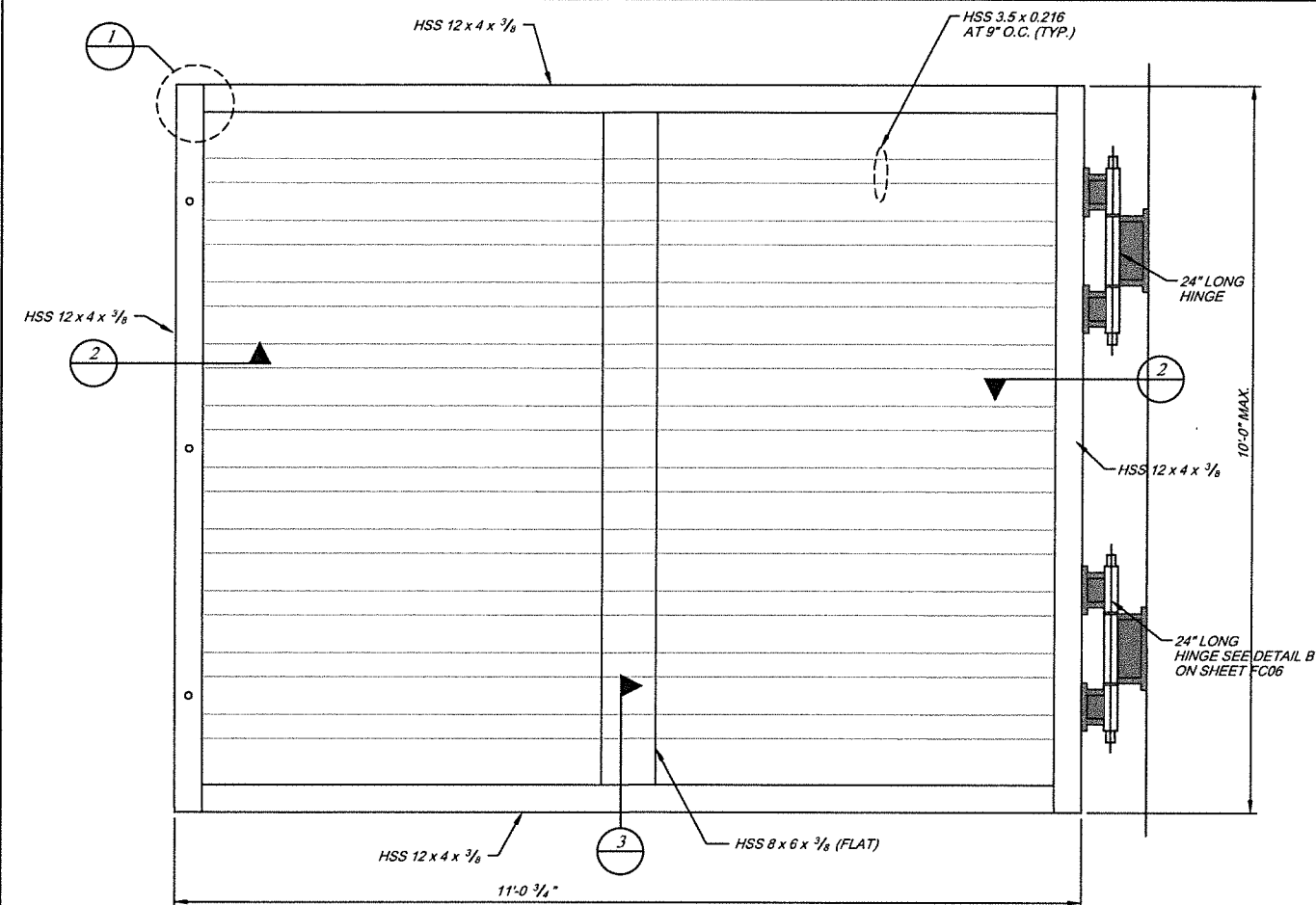
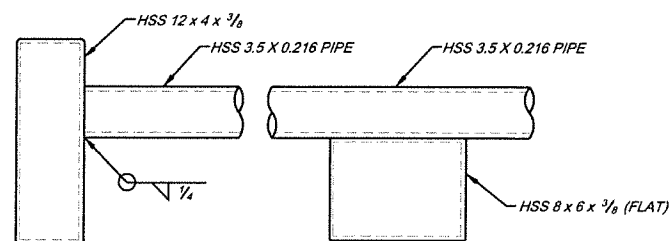
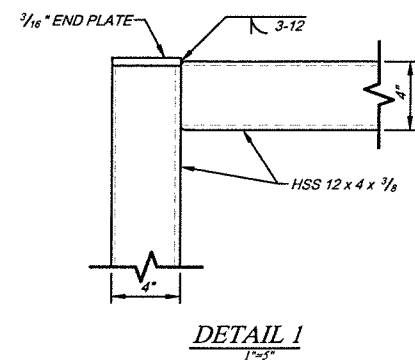
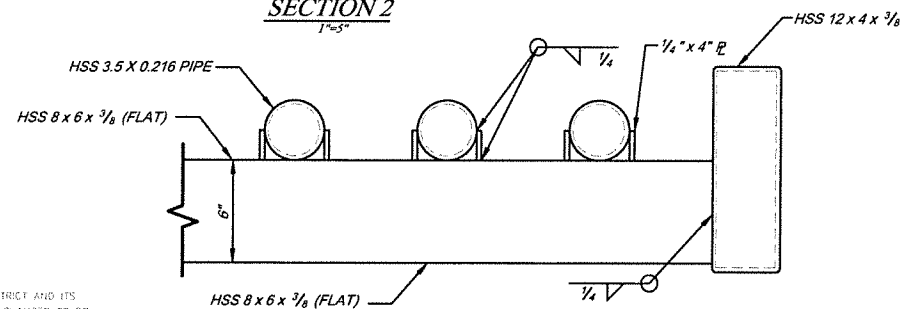
SANTA BARBARA COUNTY
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130 EAST VICTORIA STREET, SUITE 200
SANTA BARBARA, CA 93101
(805) 568-3440



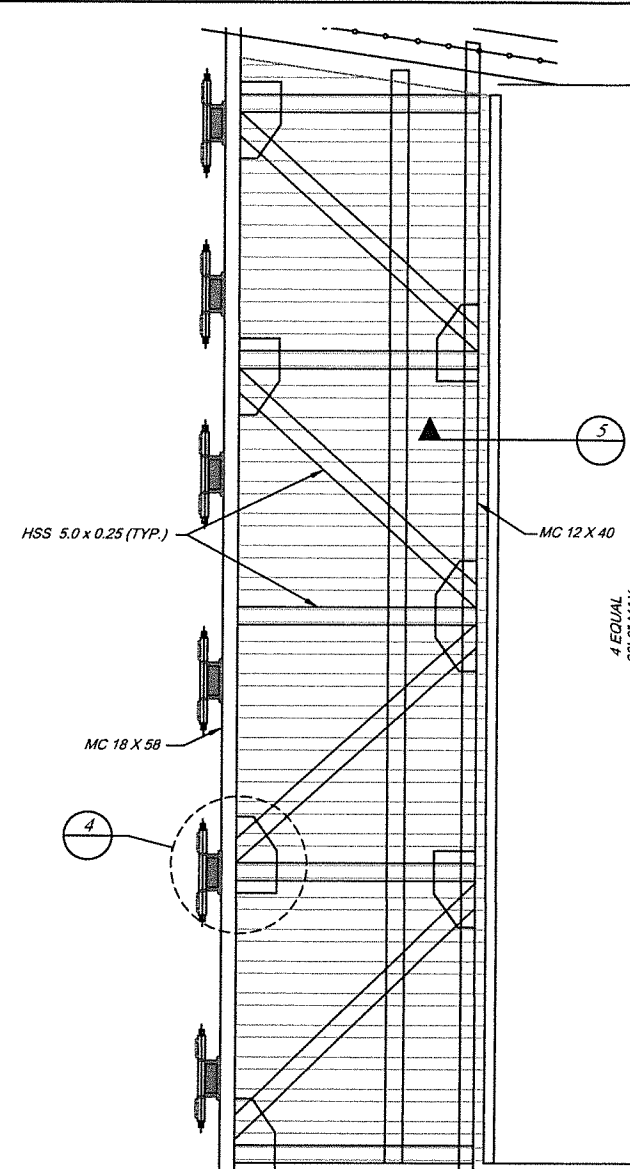
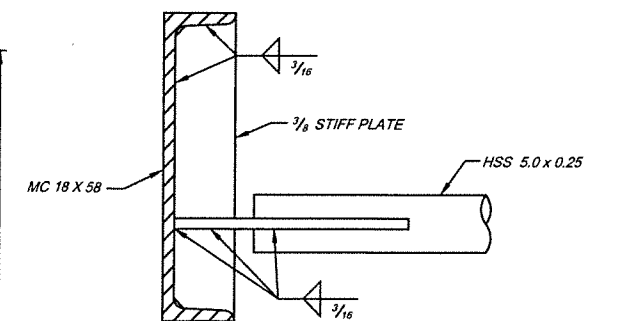
LOWER MISSION CREEK
REACH 2B-2 DEBRIS RACK
CITY OF SANTA BARBARA SANTA
BARBARA, CALIFORNIA

DETAILS

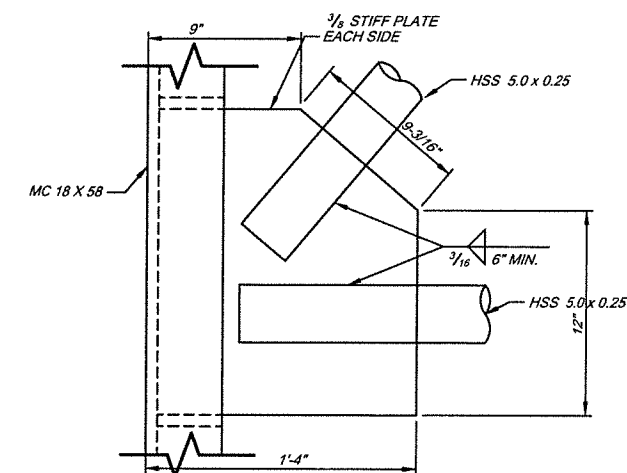
DESIGNED BY: MN	FC06
DRAWN BY: MM	
CHECKED BY: WYF	
FILENAME: DOFC-006.DWG	
SHEET 6 OF 7	


$$I'' = I'$$

$$1'' = 5''$$


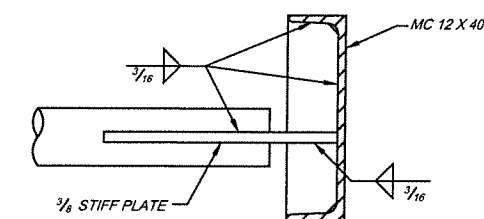
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NTS


$$l'' = 2'$$


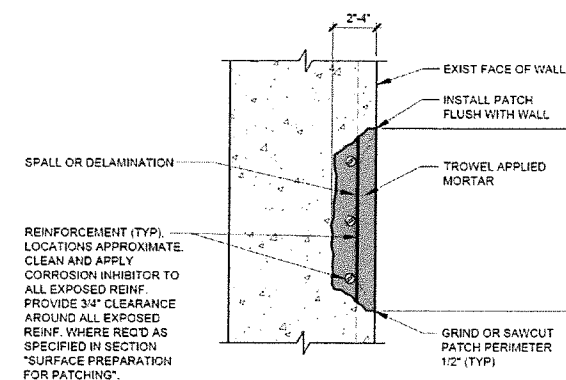
SECTION



PLAN
SECTION 4
1"=3"



SECTION 5
1st to 5th



WALL REPAIR - PARTIAL DEPTH

REVISIONS			
NO.	DESCRIPTION	DATE	APR

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1561 E. ORANGETHORPE AVE.
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DETAILS

DESIGNED BY:	MN
DRAWN BY:	MM
CHECKED BY:	WEY

FC07

SHEET 7 OF 7

File name: 005C-007.D\\M