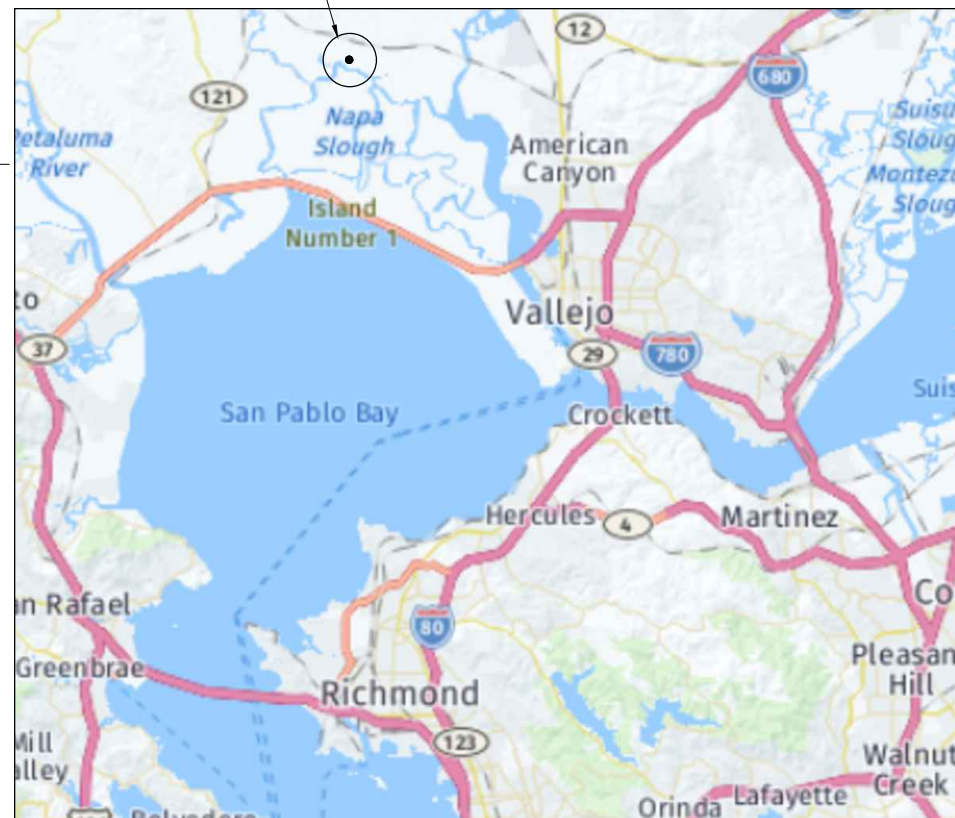


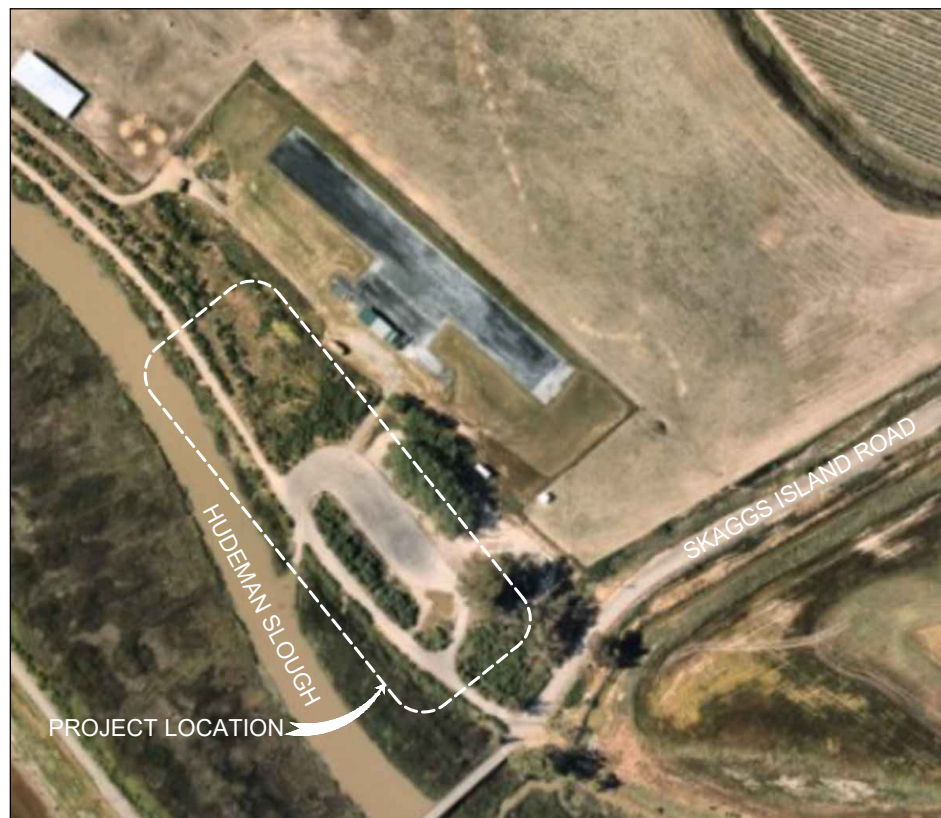
HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT #140368

SONOMA COUNTY, CALIFORNIA

PROJECT LOCATION



VICINITY MAP
SCALE: NTS



LOCATION PLAN
SCALE: NTS

DRAWING INDEX

INDEX NO.	SHEET NO.	SHEET TITLE
1	T-001	TITLE
2	G-001	INDEX ABBREVIATIONS, SYMBOLS & GENERAL NOTES
3	G-002	1962 LAUNCH RAMP PLAN & DETAIL SHEET 1 OF 2
4	G-003	1962 LAUNCH RAMP PLAN & DETAIL SHEET 2 OF 2
5	C-001	EXISTING CONDITIONS
6	C-002	DEMOLITION PLAN
7	C-003	PROJECT SITE PLAN
8	C-004	SEDIMENT REMOVAL PLAN
9	C-005	LAUNCH RAMP PLAN & PROFILE
10	C-006	LAUNCH RAMP PILE & FRAMING PLANS
11	C-007	LAUNCH RAMP PRECAST PANEL DETAILS SHEET 1 OF 2
12	C-008	LAUNCH RAMP PRECAST PANEL DETAILS SHEET 2 OF 2
13	C-009	LAUNCH RAMP PRECAST BEAM PLAN & ELEVATION
14	C-010	LAUNCH RAMP PRECAST BEAM SECTIONS & DETAILS
15	C-011	FLOAT PLAN & PROFILE
16	C-012	FLOAT DETAILS SHEET 1 OF 2
17	C-013	FLOAT DETAILS SHEET 2 OF 2
18	C-014	PILE DETAILS
19	C-015	RESTROOM & ACCESS RAMP PLAN
20	C-016	RESTROOM FLOOR PLAN
21	C-017	RESTROOM ELEVATIONS
22	C-018	PARKING LOT PLAN
23	C-019	ACCESSIBLE ROUTE PLAN
24	C-020	OVERFLOW PARKING PLAN
25	C-019	PARKING LOT DETAILS SHEET 1 OF 2
26	C-020	PARKING LOT DETAILS SHEET 2 OF 2

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REVISION	DESCRIPTION	BY	DATE

moftatt & nichol
2185 N. CALIFORNIA BLVD., SUITE 500
WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	AC	CHK	RD
JOB NO.	8450-11	SUBMITTED BY	TITLE		

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

TITLE

DATE 2020-10-06

SHEET 1 OF 26

T-001

GENERAL NOTES

- SCOPE OF WORK: CONSTRUCT BOAT LAUNCH RAMP WITH SCOUR PROTECTION, BOARDING FLOATS WITH GUIDE PILES AND KAYAK LAUNCH, DREDGING, PARKING LOT IMPROVEMENTS, ACCESSIBILITY IMPROVEMENTS, SIDEWALK IMPROVEMENTS AND DRAINAGE IMPROVEMENTS.
- APPLICABLE CODES & STANDARDS:
 - 2019 CALIFORNIA BUILDING STANDARDS CODES
 - CALIFORNIA DEPARTMENT OF PARKS AND RECREATION, DIVISION OF BOATING AND WATERWAYS "LAYOUT, DESIGN AND CONSTRUCTION HANDBOOK FOR SMALL CRAFT BOAT LAUNCHING FACILITIES"
- REPRESENTATIVES OF THE STATE OF CALIFORNIA DEPARTMENT OF PARKS AND RECREATION, DIVISION OF BOATING AND WATERWAYS SHALL BE ALLOWED ACCESS TO ALL PARTS OF THE CONSTRUCTION WORK.
- CONTACT THE COUNTY IMMEDIATELY UPON FINDING FIELD CONDITIONS THAT CONFLICT WITH THE DRAWINGS. ALL FIELD ADJUSTMENTS SHALL BE APPROVED BY THE COUNTY BEFORE CONSTRUCTION.
- PROTECT ALL EXISTING FEATURES FROM DAMAGE DUE TO CONTRACTOR OPERATIONS.
- VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1 (800) 227-2600 OR 811.
- KEEP THE PROJECT SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. RUBBISH AND DEBRIS FROM CONTRACTOR OPERATIONS SHALL BE PLACED IN APPROPRIATE CONTAINERS AND REMOVED FROM THE PROJECT SITE WEEKLY.
- ALL CONCRETE SHALL CURE FOR 30 DAYS PRIOR TO INSTALLATION IN WATERS OF HUDEMAN SLOUGH. CONCRETE SURFACE SEALANT MAY BE APPLIED AT CONTRACTOR'S OPTION TO ALLOW CONCRETE TO CONTACT WATER PRIOR TO THE 30-DAY CURE PERIOD.
- DEFERRED SUBMITTALS INCLUDE:
 - RESTROOM SHOP DRAWINGS
 - BOARDING FLOAT
 - KAYAK LAUNCH & CONNECTOR

BENCHMARK

CORS STATION P200 AS SHOWN ON THE CITY OF NAPA CONTROL NETWORK. ELEVATION 23.614 NAVD88.

TIDAL INFORMATION:

NOAA TIDAL STATION:

SKAGGS ISLAND, HUDEMAN SLOUGH, ID# 9415438
 MHHW 5.71
 MHW 5.17
 MSL 2.86
 MTL 2.84
 MLW 0.50
 NAVD88 0.00
 MLLW -0.31

SURVEY

SURVEY PERFORMED BY:

CINQUINI & PASSARINO, INC.
 1360 N. DUTTON AVE. #150
 SANTA ROSA, CA 95401
 (707) 542-6288
 WWW.CINQUINIPASSARINO.COM
 JOB# 6516-12
 MAY 2, 2013

SURVEY CONTROL:

BENCHMARK CORS STATION P200 AS SHOWN ON THE CITY OF NAPA CONTROL NETWORK. ELEVATION 23.614 NAVD88
 HORIZONTAL CONTROL: NAD83 ZONE 2

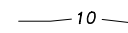
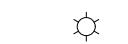
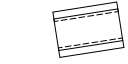



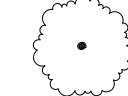
GEOTECHNICAL INVESTIGATION PERFORMED BY:

KLEINFELDER, INC.
 2240 NORTHPOINT PARKWAY,
 SANTA ROSA, CA 95407
 (707) 571-1883
 WWW.KLEINFELDER.COM
 FILE# SRO13L0115
 MARCH 15, 2013
 SUPPLEMENT: FILE# SRO20L110867
 APRIL 27, 2020



ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT
BLF	BOAT LAUNCHING FACILITY
CIP	CAST IN PLACE
CLR	CLEAR
CONC	CONCRETE
DHW	DESIGN HIGH WATER
DIA	DIAMETER
DLW	DESIGN LOW WATER
(E)	EXISTING
EL	ELEVATION
EW	EACH WAY
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FT	FEET
LF	LINEAR FEET
MAX	MAXIMUM
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOWER WATER
MSL	MEAN SEA LEVEL
NAD	NORTH AMERICAN DATUM
NAVD88	NORTH AMERICAN VERTICAL DATUM 1988
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
OC	ON CENTER
OG	ORIGINAL GRADE
REQ'D	REQUIRED
SDWK	SIDEWALK
SF	SQUARE FEET
T&B	TOP AND BOTTOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD

LEGEND

-  ELEVATION (NAVD 88)
-  LIGHT POLE
-  PICNIC TABLE
-  ACCESSIBLE PARKING STALL
-  CONC PILE
-  FENCE
-  TREE

CROSS-REFERENCE LEGEND

-  SECTION OR DETAIL IDENTIFICATION, SEE NOTE
-  REFERENCE SHEET ON WHICH SECTION OR DETAIL IS SHOWN


NOTE: LETTER INDICATES SECTION; NUMBER INDICATES DETAIL. WHERE THERE IS NO REFERENCE SHEET INDICATED, IT MEANS THE DETAIL OR SECTION IS TAKEN AND SHOWN ON THE SAME SHEET.

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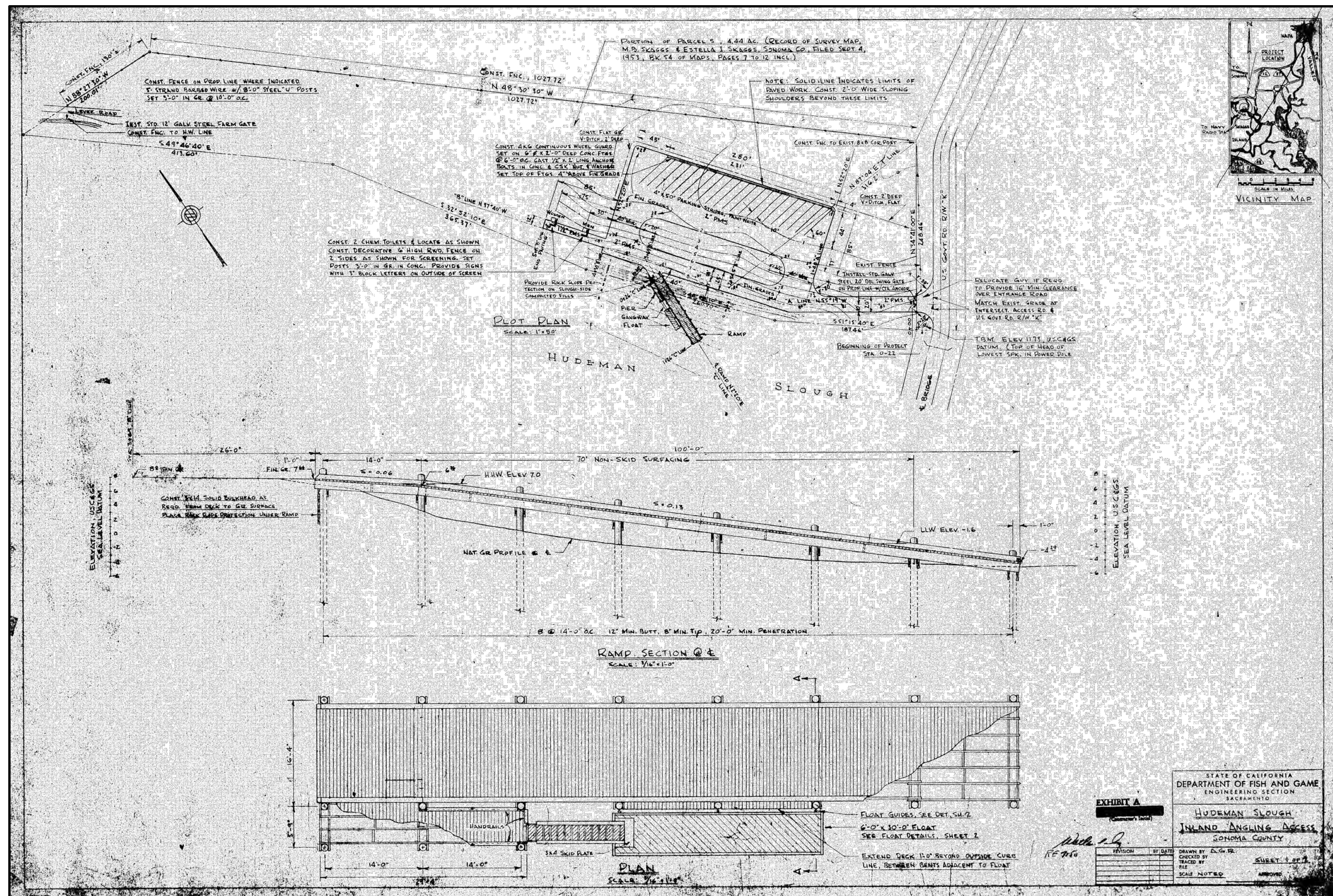


REVISION	DESCRIPTION	BY	DATE

 2185 N. CALIFORNIA BLVD., SUITE 500 WALNUT CREEK, CALIFORNIA 94596			
DSGN	NN	DR	AC
CHK	RD	SUBMITTED BY	
JOB NO. 8450-11		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT
INDEX ABBREVIATIONS, SYMBOLS & GENERAL NOTES

DATE 2020-10-06
 SHEET 2 OF 26
G-001



1962 LAUNCH RAMP PLAN AND DETAILS - 1
SCALE: NTS

NOTES:

1. ORIGINAL LAUNCH RAMP CONSTRUCTION DRAWINGS, 1962. SHEETS 1 & 2 OF 2 PROVIDED AS SHEETS G-002 & G-003.
2. EXISTING, 2013, DETAILS MAY BE DIFFERENT.
3. FLOAT AND GANGWAY WAS REPLACED IN 1988.

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WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
ENGINEERING SECTION
SACRAMENTO

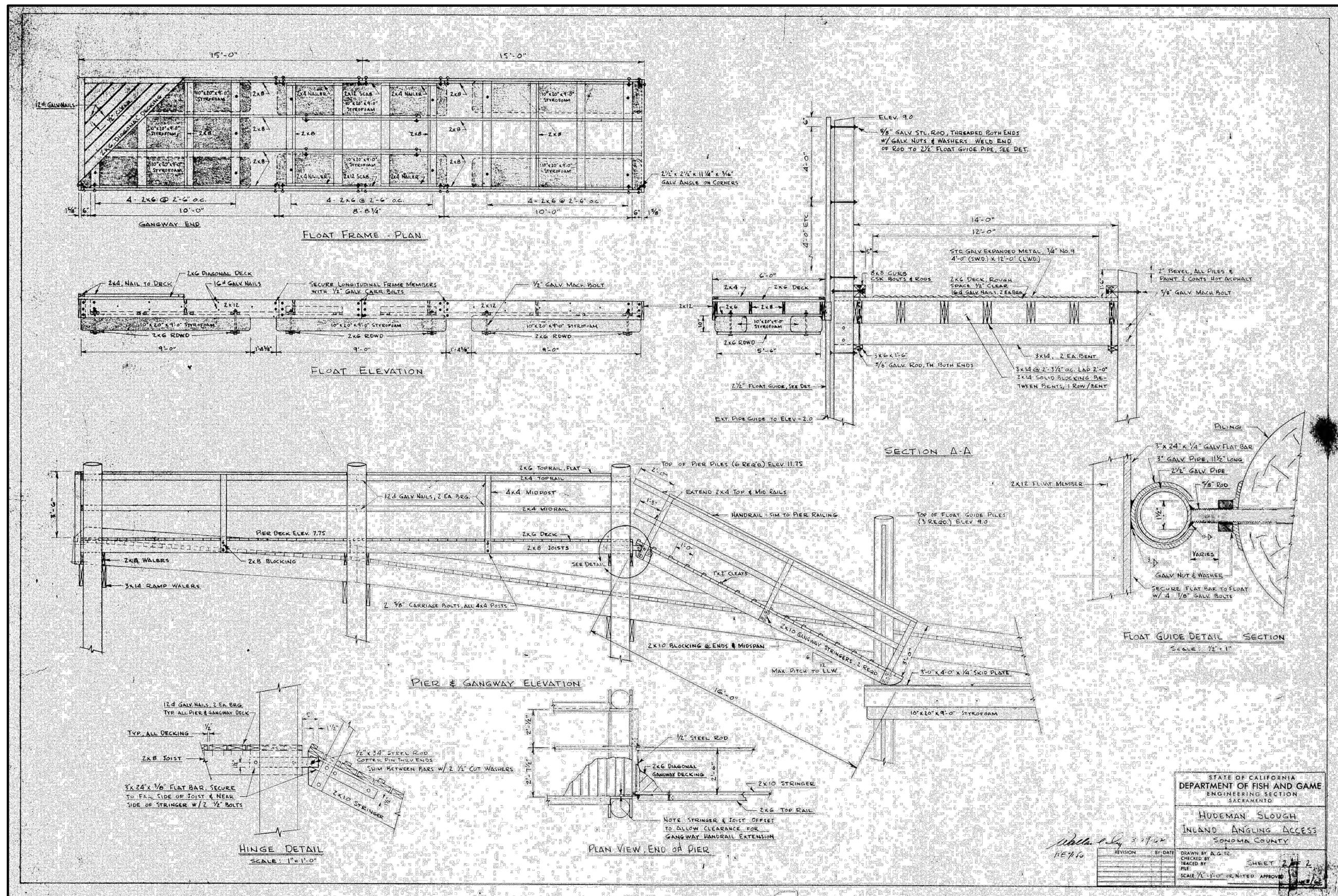
1962 LAUNCH RAMP
PLAN & DETAIL
SHEET 1 OF 2

DATE 2020-10-06

SHEET 3 OF 26

G-002

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1962 LAUNCH RAMP PLAN AND DETAILS - 2
SCALE: NTS

NOTES:

1. ORIGINAL LAUNCH RAMP CONSTRUCTION DRAWINGS, 1962. SHEETS 1 & 2 OF 2 PROVIDED AS SHEETS G-002 & G-003.
2. EXISTING, 2013, DETAILS MAY BE DIFFERENT.
3. FLOAT AND GANGWAY REPLACED.

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REVISION	DESCRIPTION	BY	DATE

moffatt & nichol
2185 N. CALIFORNIA BLVD., SUITE 500
WALNUT CREEK, CALIFORNIA 94596

DSGN	DR	EP	CHK	RD
NN	EP			
JOB NO.	SUBMITTED BY	TITLE		
8450-11				

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
ENGINEERING SECTION
SACRAMENTO

HUDEMAN SLOUGH
INLAND ANGLING ACCESS
SONOMA COUNTY

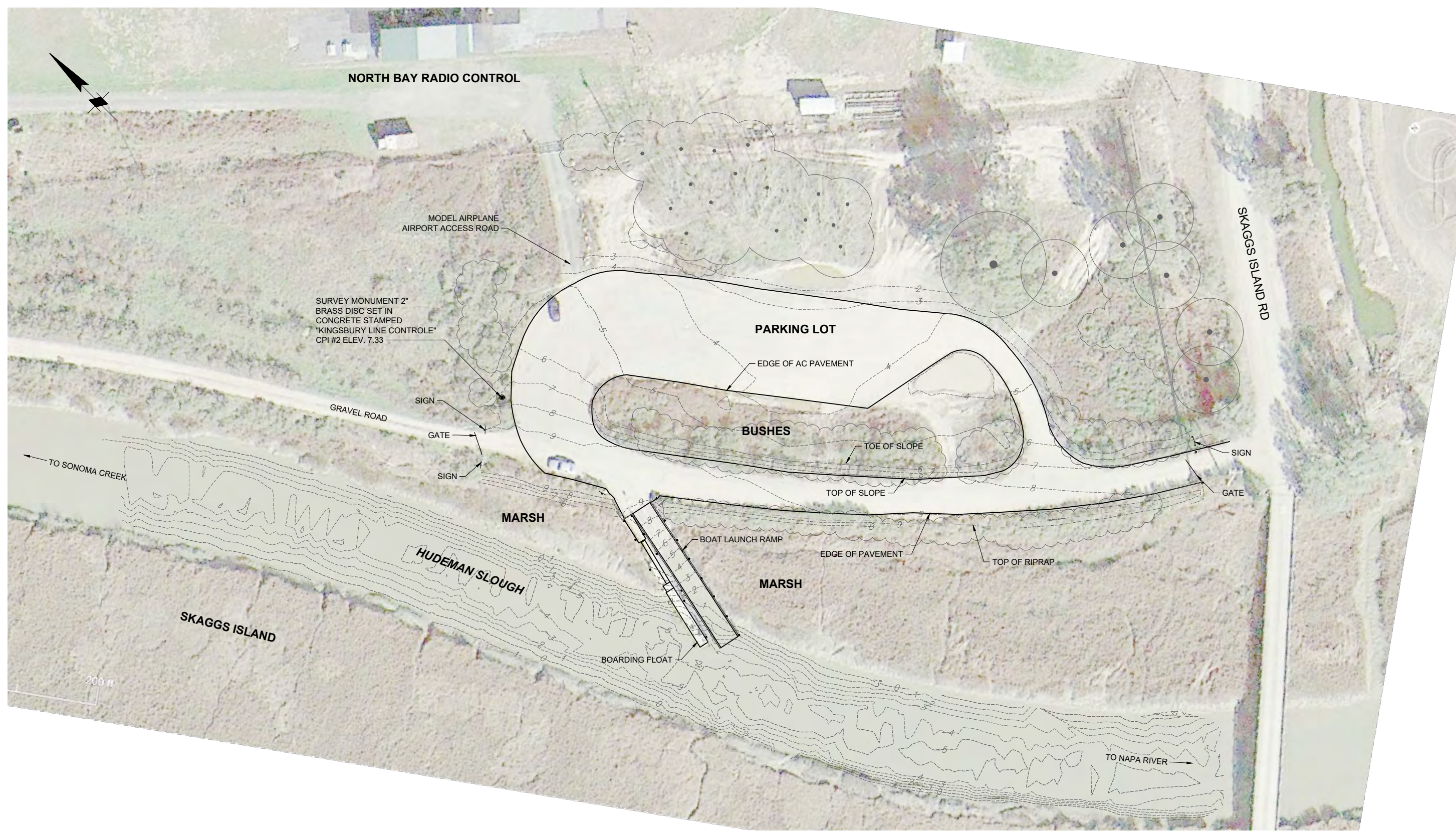
1962 LAUNCH RAMP
PLAN & DETAIL
SHEET 2 OF 2

DATE 2020-10-06

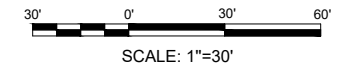
SHEET 4 OF 26

G-003

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EXISTING CONDITIONS
SCALE: 1" = 30'



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WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY	TITLE		

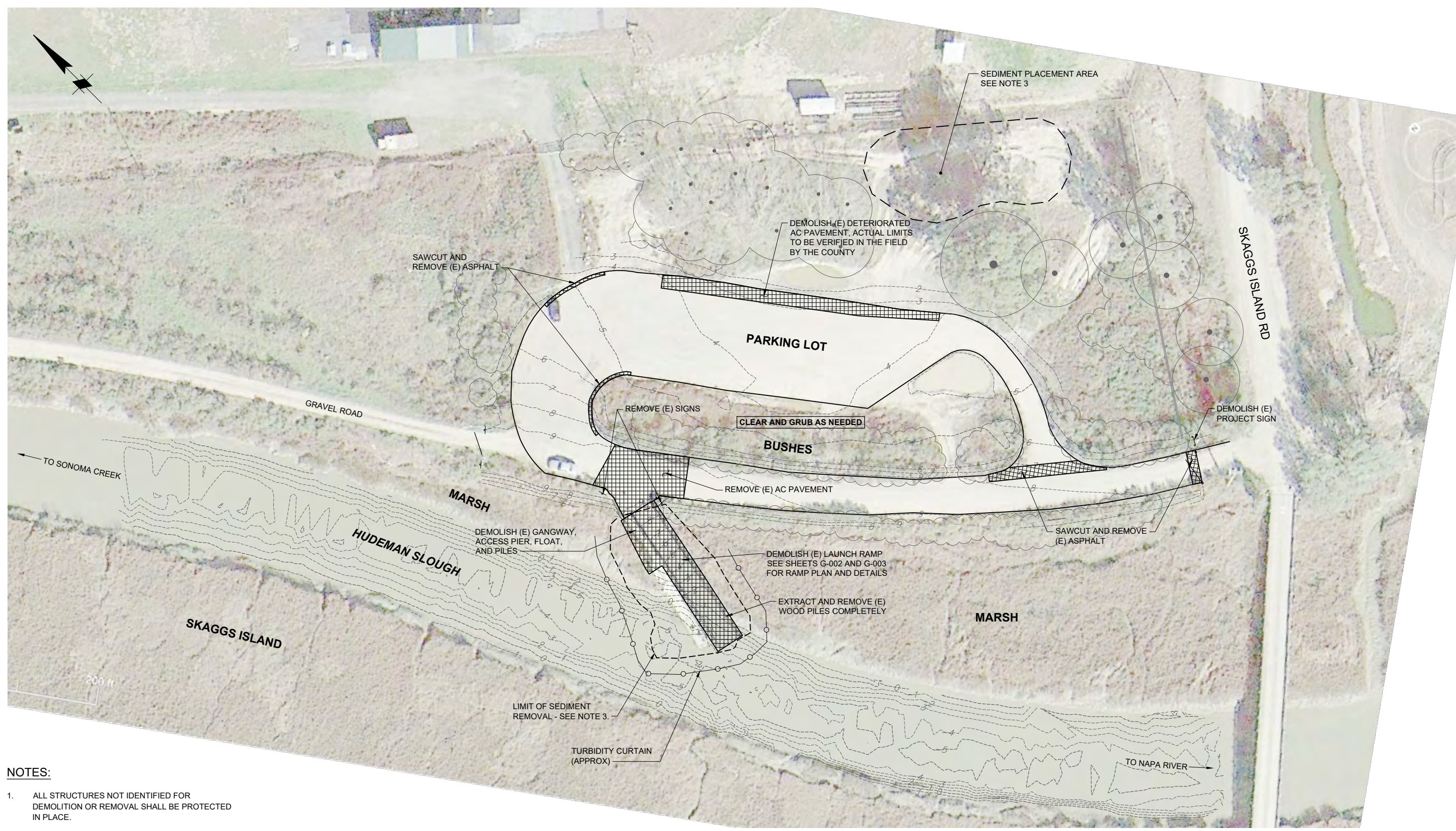
**HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT**
EXISTING CONDITIONS

DATE 2020-10-06

SHEET 5 OF 26

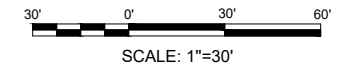
C-001

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- NOTES:**
1. ALL STRUCTURES NOT IDENTIFIED FOR DEMOLITION OR REMOVAL SHALL BE PROTECTED IN PLACE.
 2. ALL SIGNS TO BE DEMOLISHED SHALL BE REMOVED AND DISPOSED OF OFF SITE. REMOVE FULL LENGTH OF POST AND CONCRETE FOOTING.
 3. REMOVE SEDIMENT AS REQUIRED TO FACILITATE RAMP DEMOLITION AND RAMP CONSTRUCTION. DREDGED MATERIAL SHALL BE PLACED WITHIN THE SEDIMENT PLACEMENT AREA SHOWN FOR DEWATERING AND FINAL GRADING AS SHOWN ON SHEET C-003.

DEMOLITION PLAN
SCALE: 1" = 30'



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WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY	TITLE		

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

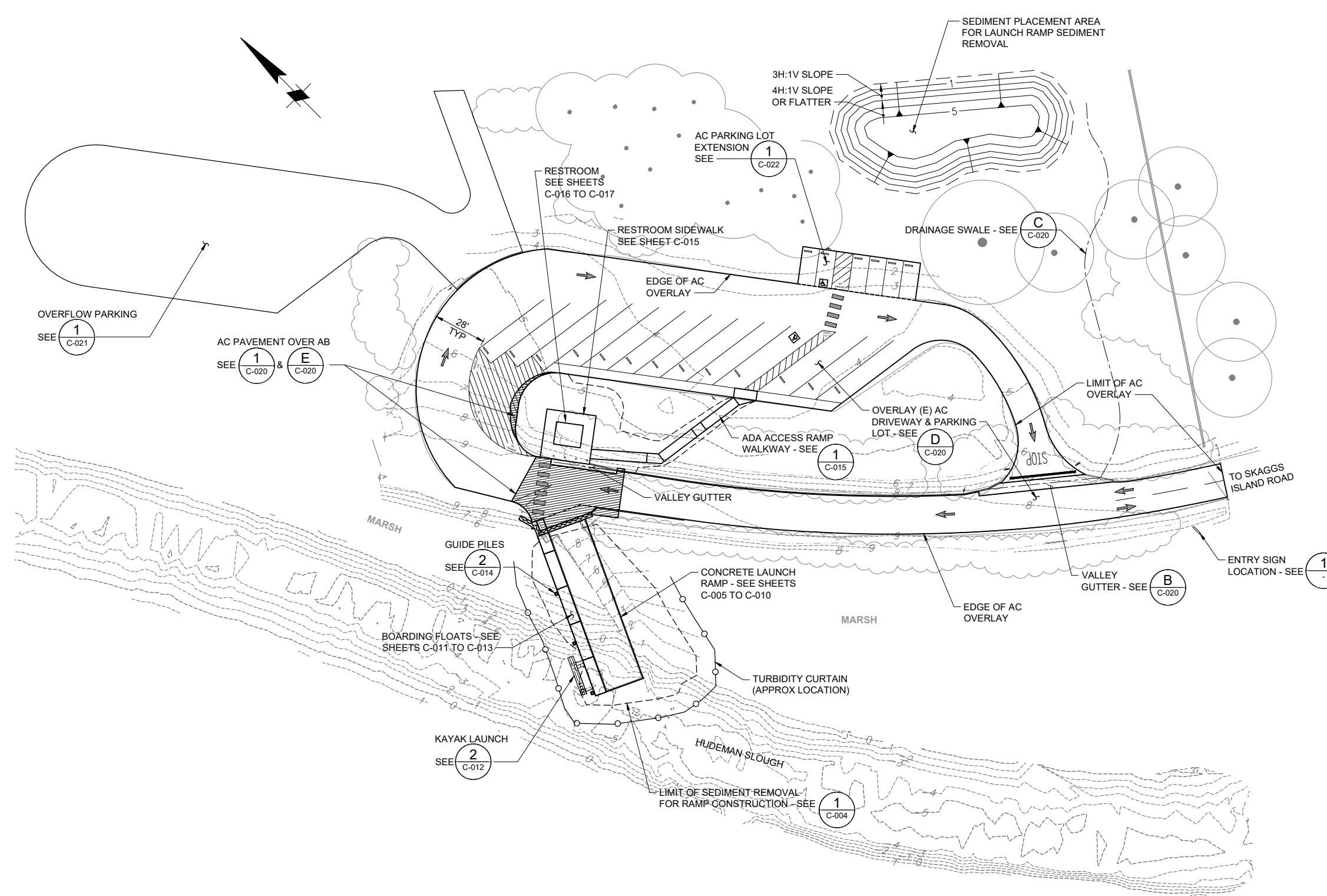
DEMOLITION PLAN

DATE 2020-10-06

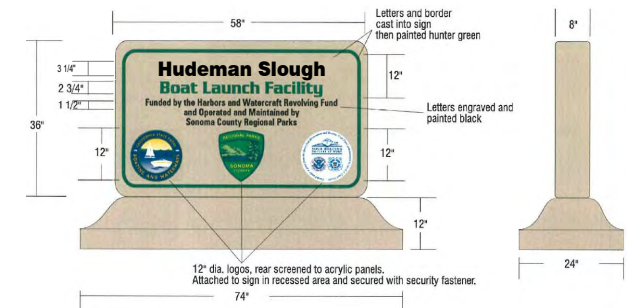
SHEET 6 OF 26

C-002

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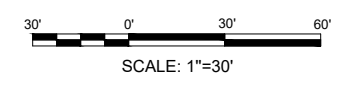
PROJECT SITE PLAN
SCALE: 1" = 30'



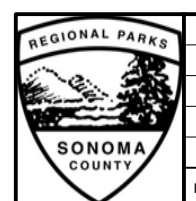
PRECAST CONCRETE PROJECT SIGN (PROVIDED BY COUNTY); MODEL 712 BY OUTDOOR CREATIONS, INC.; MODEL DBW72S BY UNIVERSAL PRECAST; OR APPROVED EQUAL MEETING CALIFORNIA STATE PARK REQUIREMENTS AND STANDARDS.

INSTALL ON PREPARED AGGREGATE BASE (MINIMUM THICKNESS 12") FOUNDATION PER MANUFACTURER RECOMMENDATIONS. FINAL LOCATION OF SIGN TO BE DETERMINED IN THE FIELD BY THE COUNTY.

1 PROJECT SIGN
SCALE: NTS



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DSGN	NN	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

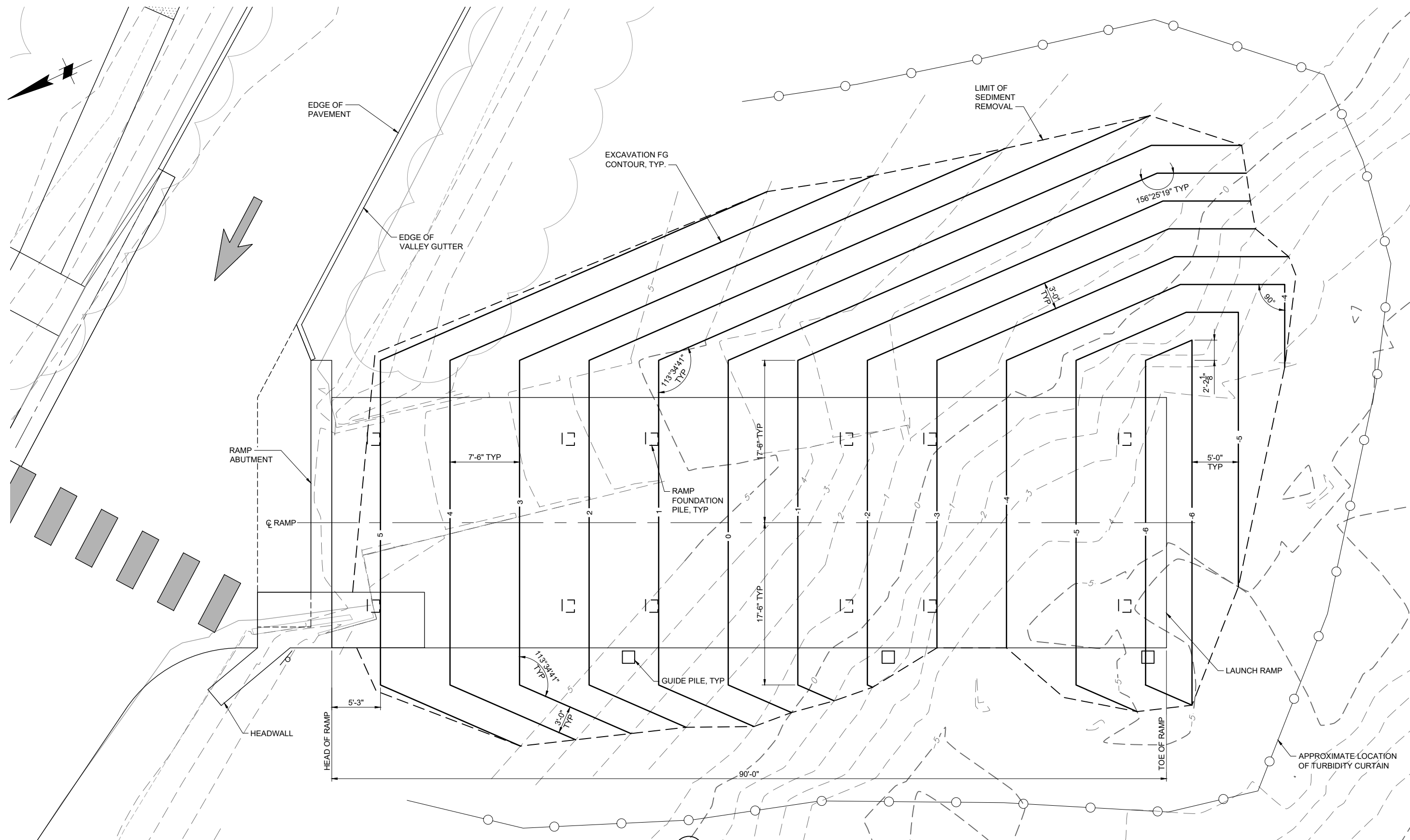
PROJECT SITE PLAN

DATE 2020-10-06

SHEET 7 OF 26

C-003

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NOTES

- EXPOSED EMBANKMENT SLOPES RESULTING FROM EXCAVATION/DREDGING ABOVE THE ELEVATION OF THE RAMP SURFACE SHALL BE CUT TO MAXIMUM STEEPNESS OF 3:1.
- EXCAVATION BELOW (E) MLLW CONTOUR SHALL BE CLASSIFIED DREDGING.

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1 SEDIMENT REMOVAL PLAN
 SCALE: 1" = 5'

5' 0' 5' 10'
 SCALE: 1"=5'



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 WALNUT CREEK, CALIFORNIA 94596

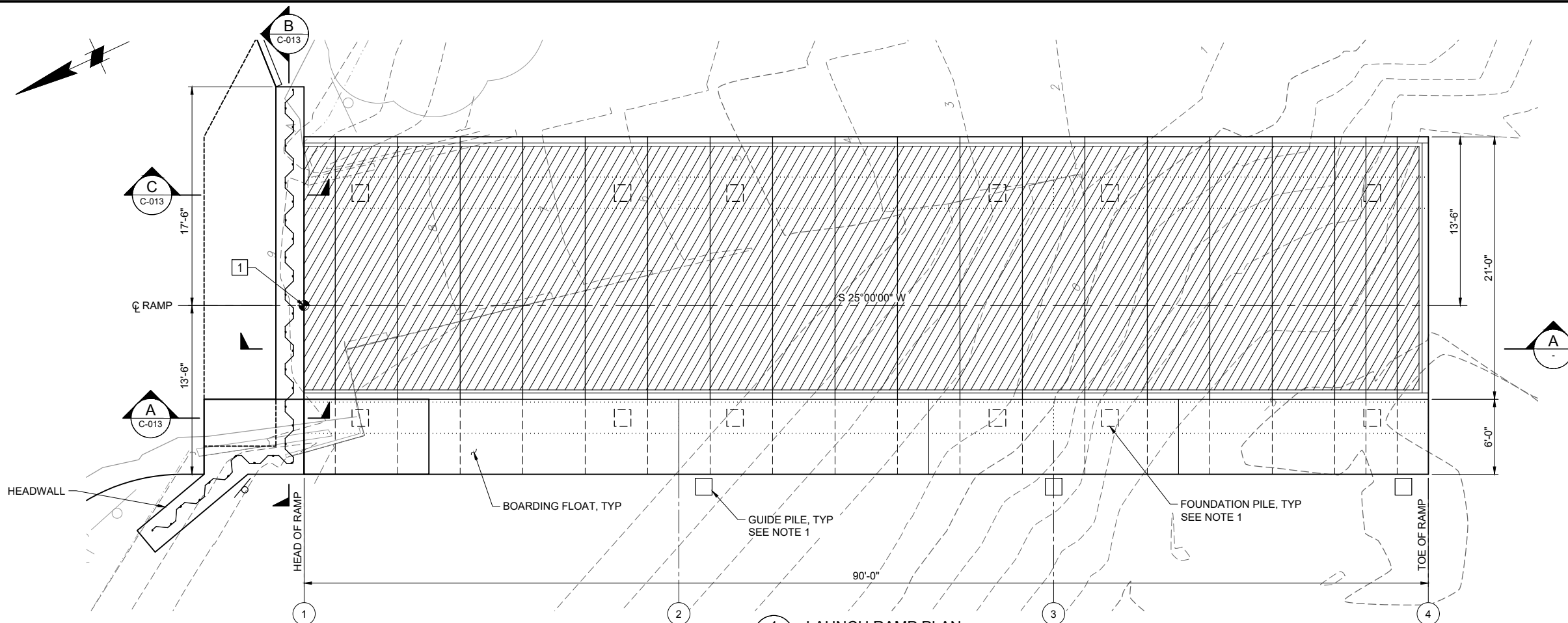
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JOB NO.	8450-11	SUBMITTED BY	TITLE		

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT
SEDIMENT REMOVAL PLAN

DATE 2020-10-06

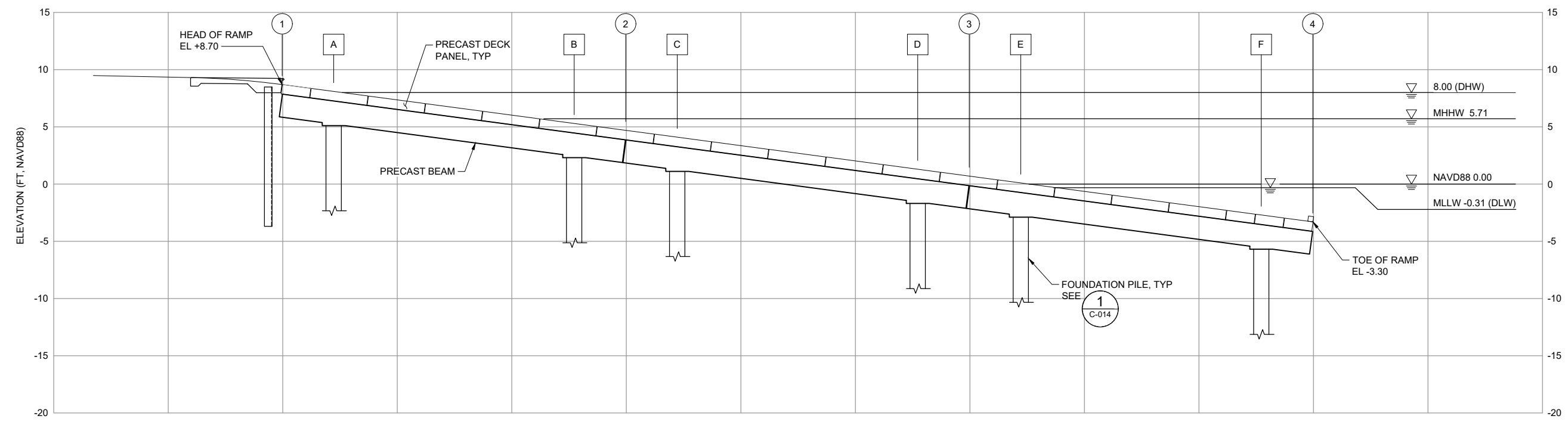
SHEET 8 OF 26

C-004

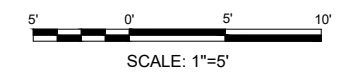


WORK POINTS		
POINT	NORTHING	EASTING
1	1837166.05	6453777.53

1 LAUNCH RAMP PLAN
SCALE: 1" = 5'



A LAUNCH RAMP PROFILE
SCALE: 1" = 5'



NOTES:

- 1. FOR LAUNCH RAMP PILE PLAN, SEE **1 C-006**

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JOB NO.	SUBMITTED BY		TITLE		
8450-11					

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

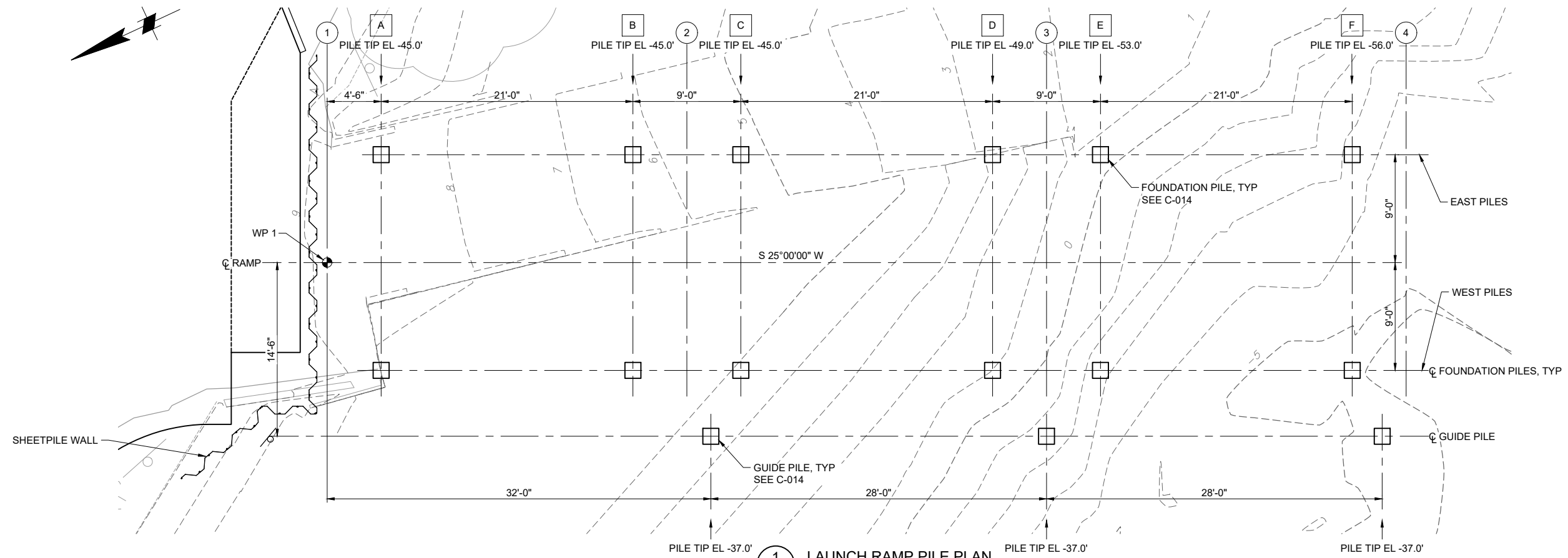
LAUNCH RAMP PLAN & PROFILE

DATE 2020-10-06

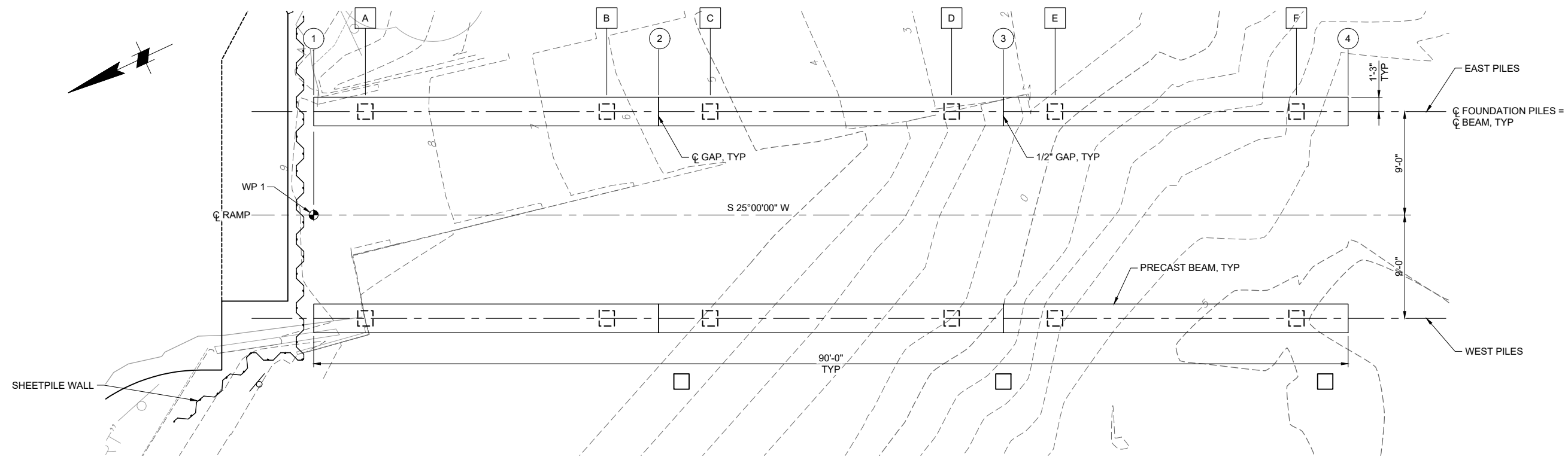
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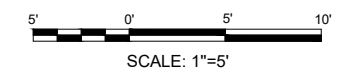
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1 LAUNCH RAMP PILE PLAN
SCALE: 1"=5'



2 LAUNCH RAMP FRAMING PLAN
SCALE: 1"=5'



NOTES:

1. ELEVATIONS FOR PILE TIPS ARE MINIMUM ELEVATIONS.
2. LAUNCH RAMP AND RAMP ABUTMENT NOT SHOWN FOR CLARITY.

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8450-11					

HUDEMEN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

**LAUNCH RAMP
PILE & FRAMING PLANS**

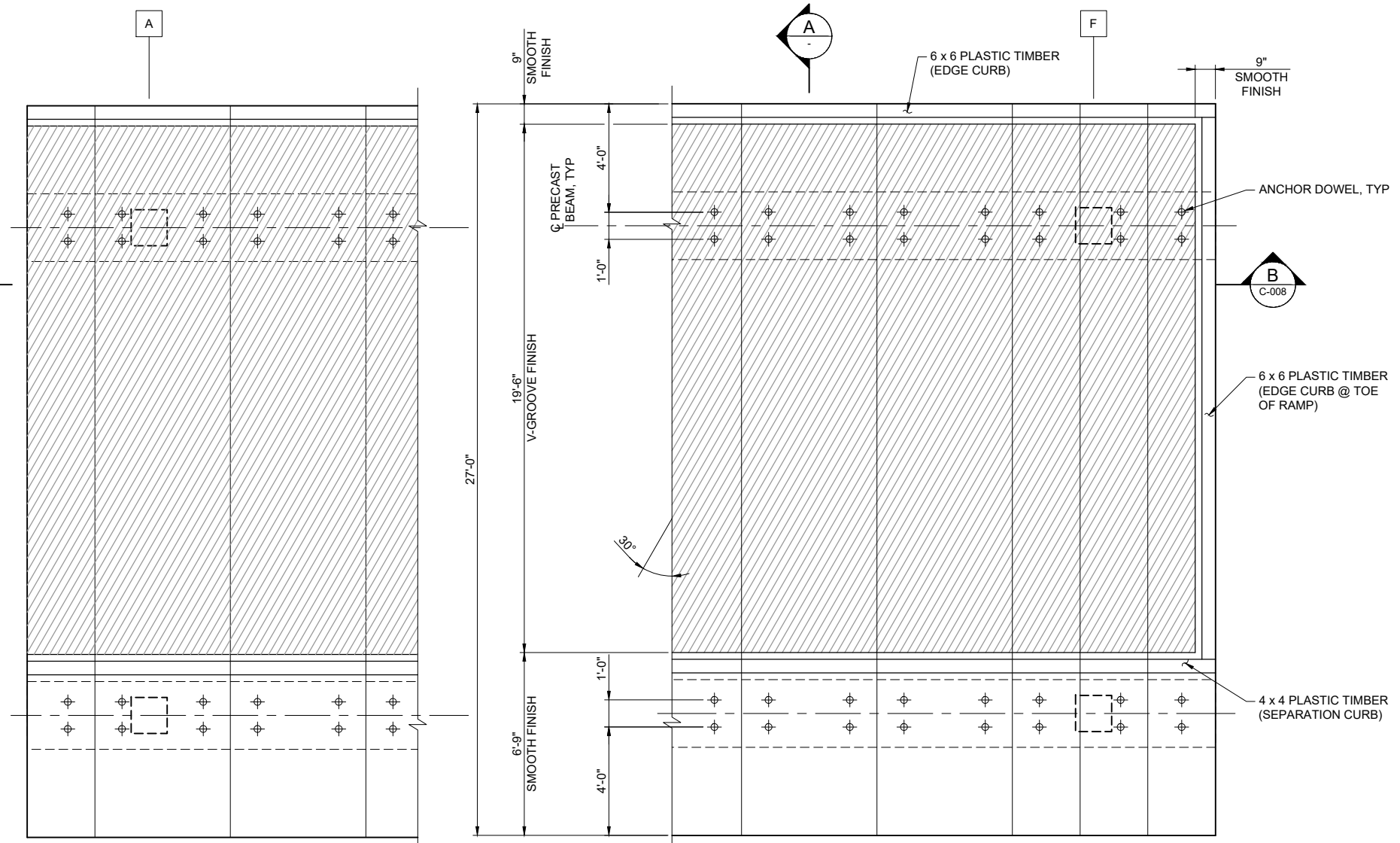
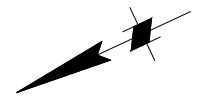
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SHEET 10 OF 26

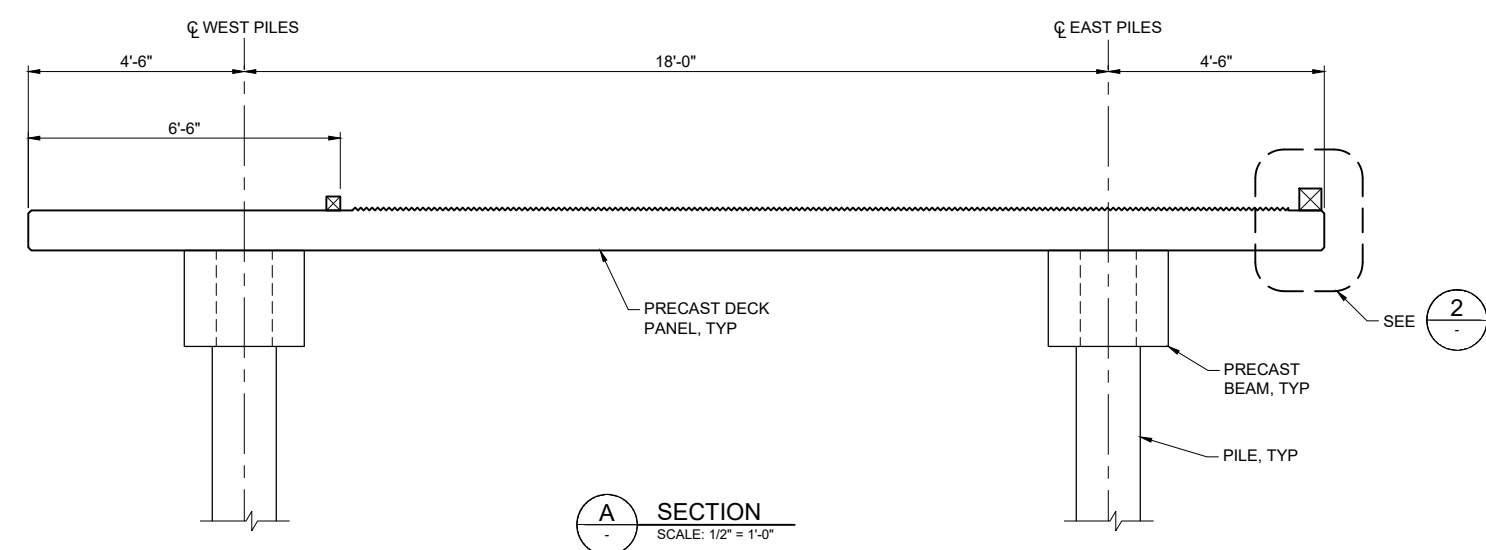
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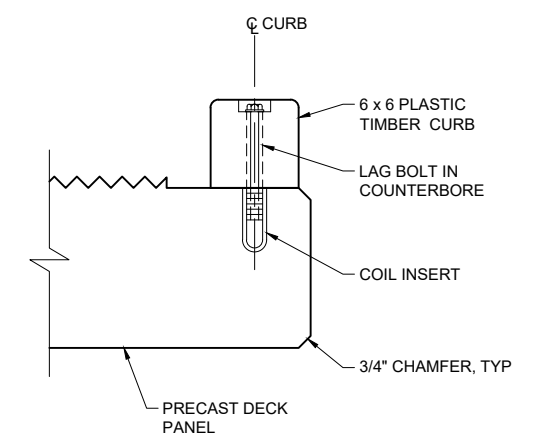
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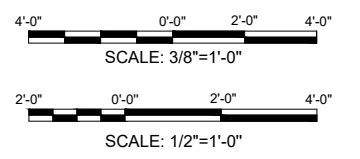
1 PRECAST DECK PANEL PARTIAL PLAN
C-007 SCALE: 3/8" = 1'-0"



A SECTION
SCALE: 1/2" = 1'-0"



2 TYPICAL CURB DETAIL
SCALE: NTS



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DSGN	JFJ	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

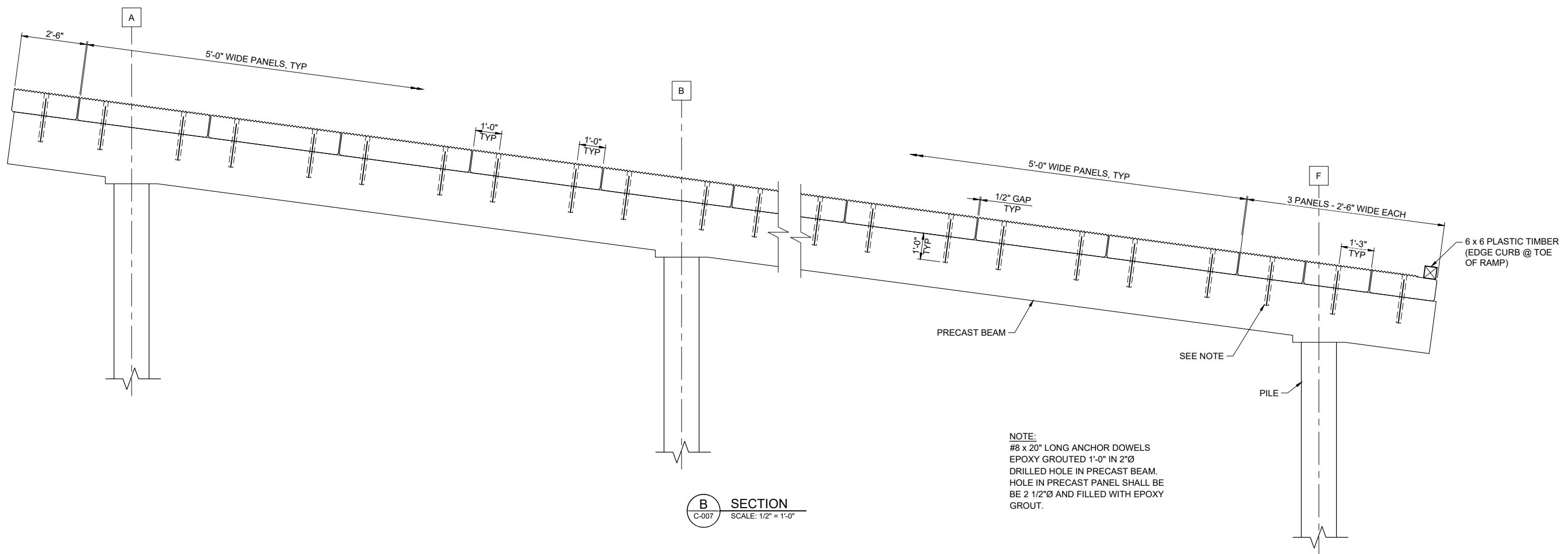
LAUNCH RAMP
PRECAST PANEL DETAILS
SHEET 1 OF 2

DATE 2020-10-06

SHEET 11 OF 26

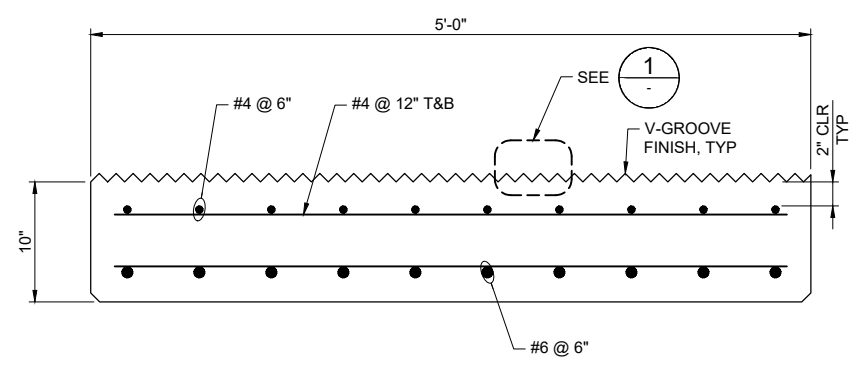
C-007

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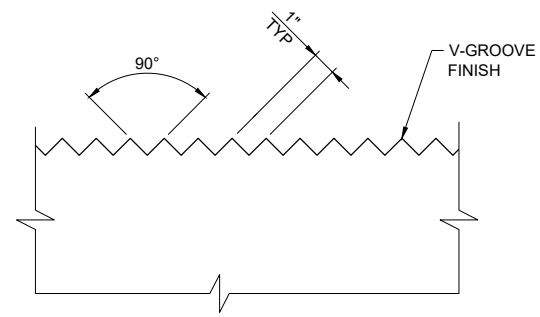
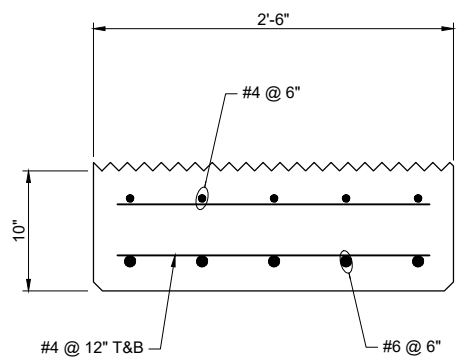


NOTE:
 #8 x 20" LONG ANCHOR DOWELS
 EPOXY GROUTED 1'-0" IN 2"Ø
 DRILLED HOLE IN PRECAST BEAM.
 HOLE IN PRECAST PANEL SHALL BE
 BE 2 1/2"Ø AND FILLED WITH EPOXY
 GROUT.

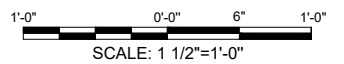
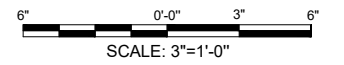
B SECTION
 C-007 SCALE: 1/2" = 1'-0"



TYPICAL SECTION - PRECAST DECK PANELS
 SCALE: 1 1/2" = 1'-0"



1 DETAIL
 SCALE: 3" = 1'-0"



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moftatt & nichol
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DSGN	JFJ	DR	EP	CHK	RD
JOB NO.	8450-11	SUBMITTED BY	TITLE	REVR	

**HUDEMAN SLOUGH BOAT LAUNCH
 FACILITY IMPROVEMENT PROJECT**

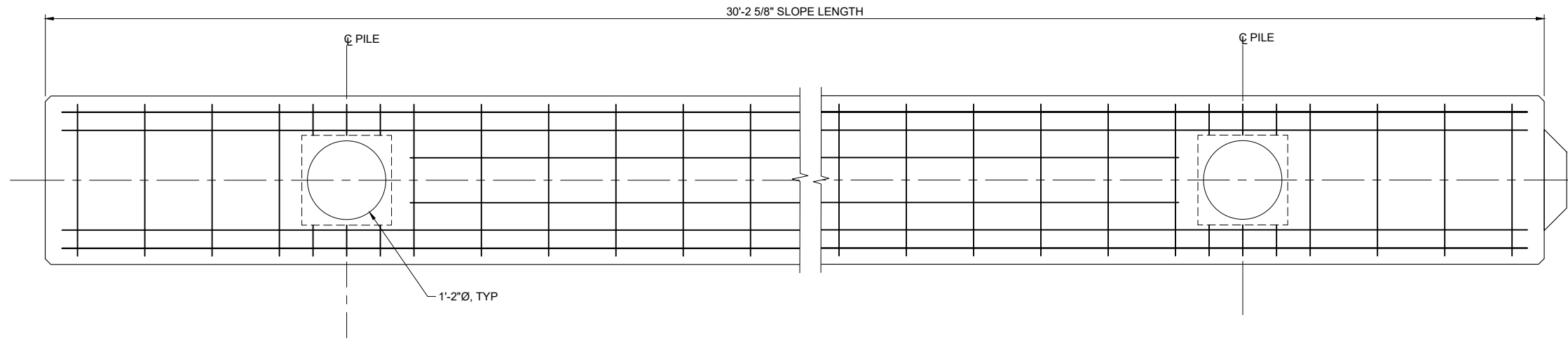
**LAUNCH RAMP
 PRECAST PANEL DETAILS
 SHEET 2 OF 2**

DATE 2020-10-06

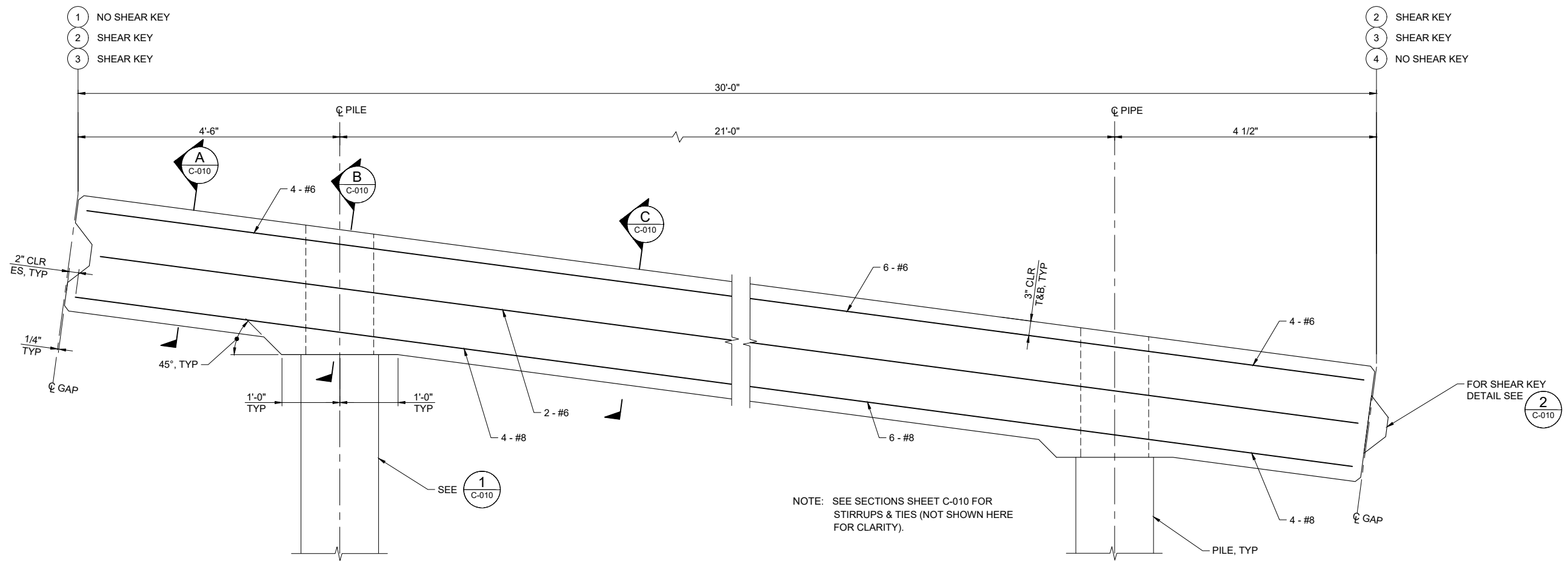
SHEET 12 OF 26

C-008

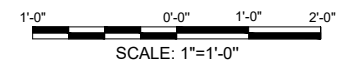
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LAUNCH RAMP PRECAST BEAM PLAN
SCALE: 1" = 1'-0"



LAUNCH RAMP PRECAST BEAM ELEVATION
SCALE: 1" = 1'-0"



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HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

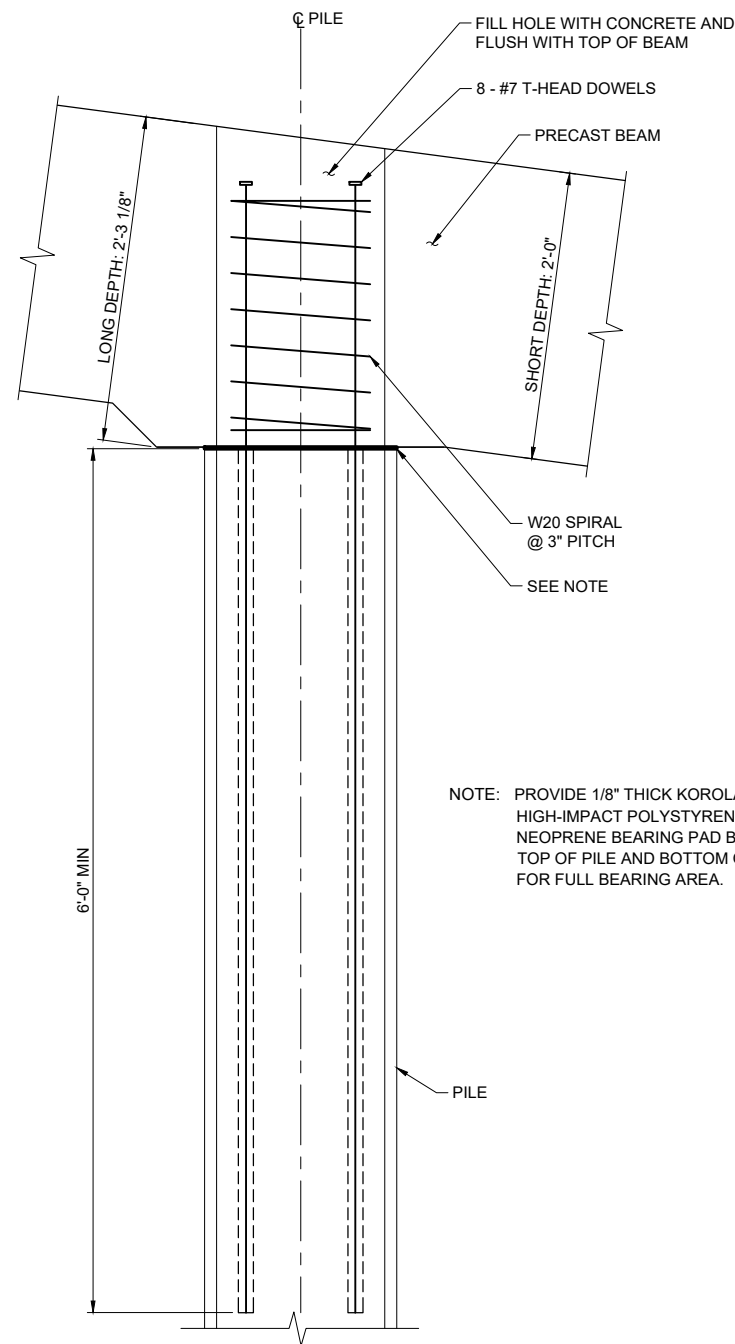
**LAUNCH RAMP
PRECAST BEAM PLAN & ELEVATION**

DATE 2020-10-06

SHEET 13 OF 26

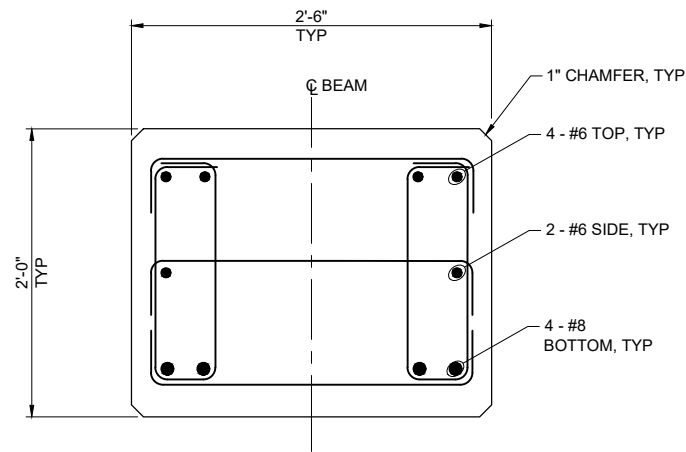
C-009

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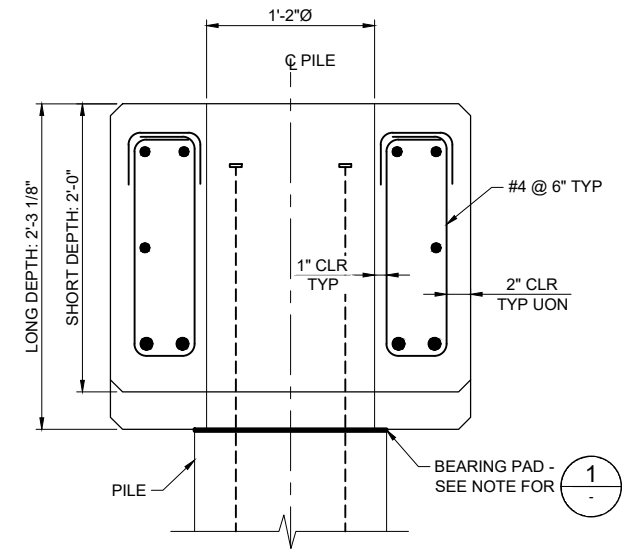


1 DETAIL
C-009 SCALE: 1 1/2" = 1'-0"

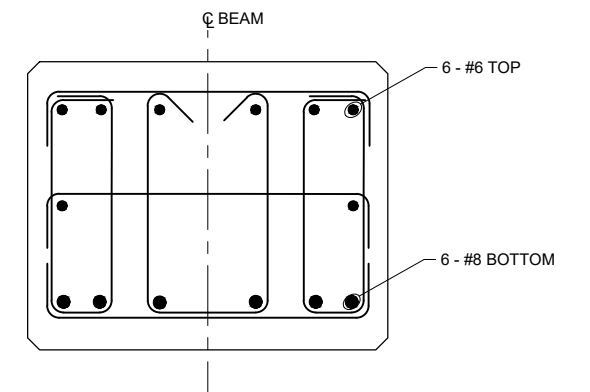
NOTE: PROVIDE 1/8" THICK KOROLATH HIGH-IMPACT POLYSTYRENE OR NEOPRENE BEARING PAD BETWEEN TOP OF PILE AND BOTTOM OF BEAM FOR FULL BEARING AREA.



A SECTION
C-009 SCALE: 1 1/2" = 1'-0"

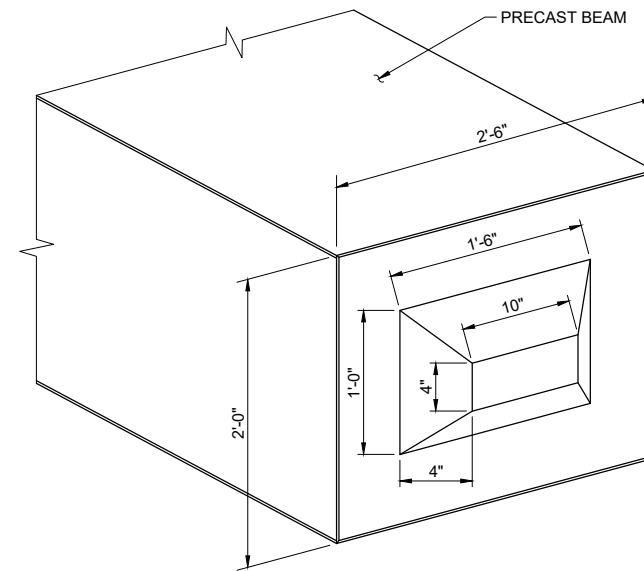


B SECTION
C-009 SCALE: 1 1/2" = 1'-0"



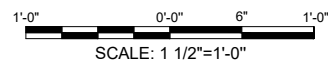
C SECTION
C-009 SCALE: 1 1/2" = 1'-0"

NOTE: STRIRRRPS AND TIES SHOWN ARE #4 @ 12" SPACING UNLESS OTHERWISE NOTED



2 ISOMETRIC VIEW - SHEAR KEY AT END OF PRECAST BEAM
C-009 SCALE: NTS

NOTE: PROVIDE A PRECAST POCKET AT THE END OF MATING BEAM TO MATCH THE SHEAR KEY SHOWN, WITH 1/4" CLEARANCE ALL AROUND THE SHEAR KEY.



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8450-11					

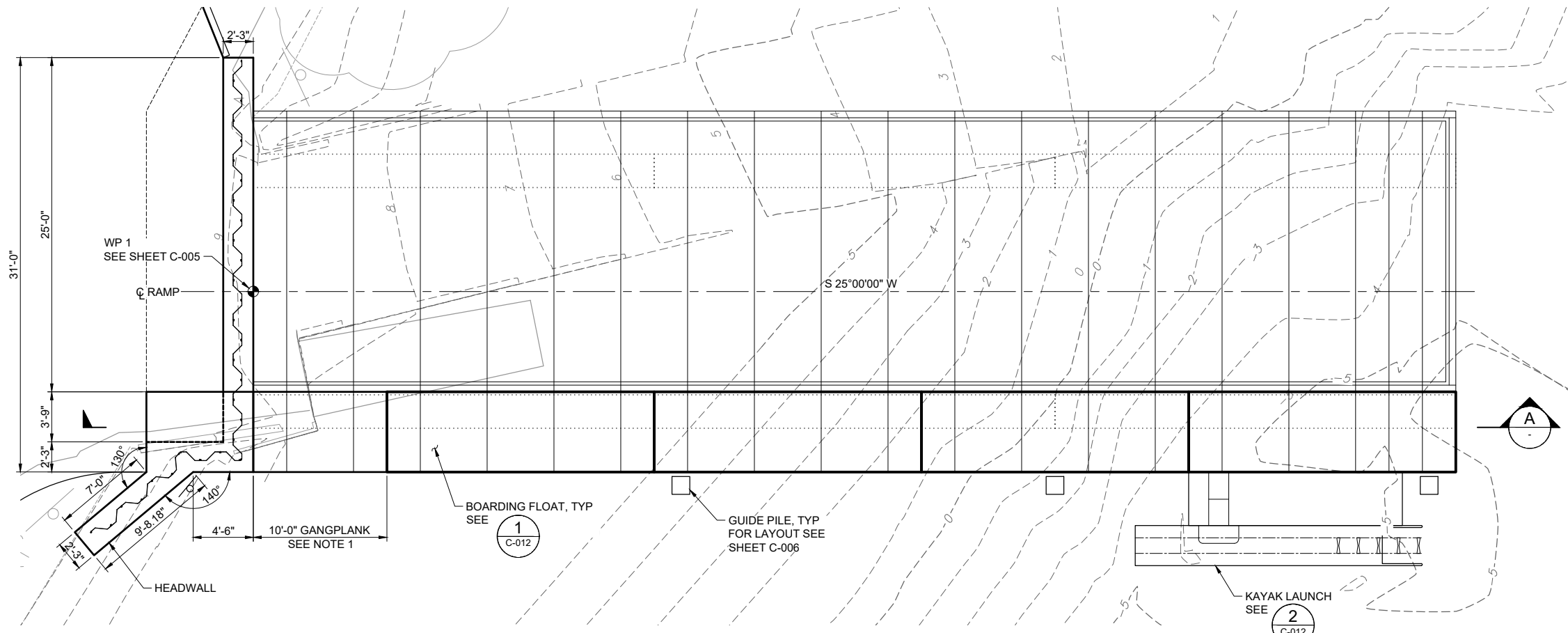
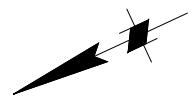
HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

LAUNCH RAMP
PRECAST BEAM SECTIONS & DETAILS

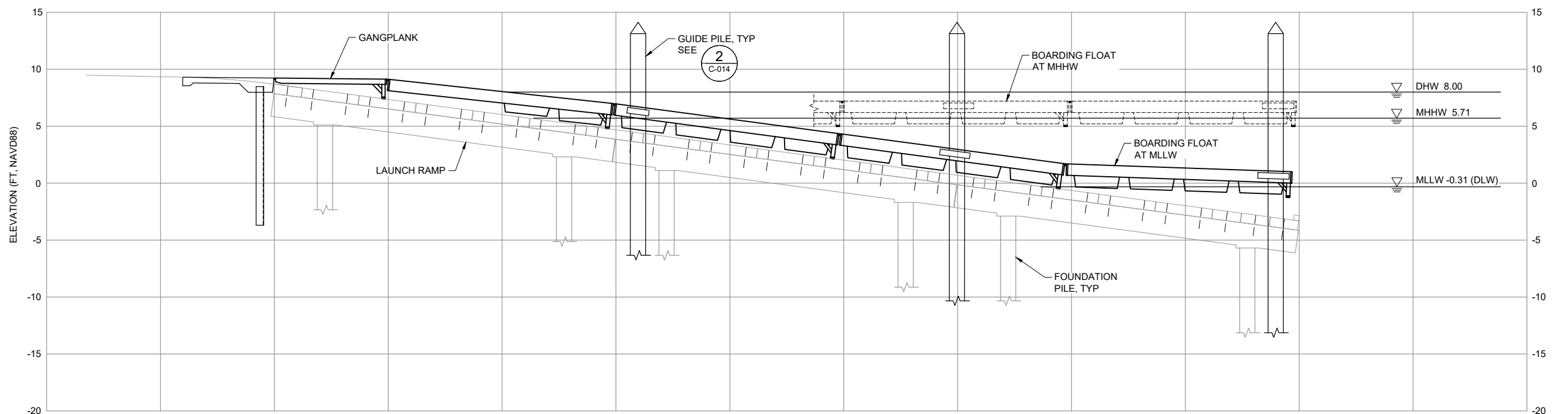
DATE 2020-10-06

SHEET 14 OF 26

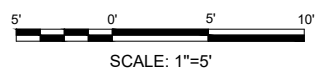
C-010



1 FLOAT PLAN
SCALE: 1" = 5'



A FLOAT PROFILE
SCALE: 1" = 5'



NOTES:
1. FLOATATION NOT REQUIRED FOR GANGPLANK.

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HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

FLOAT PLAN & PROFILE

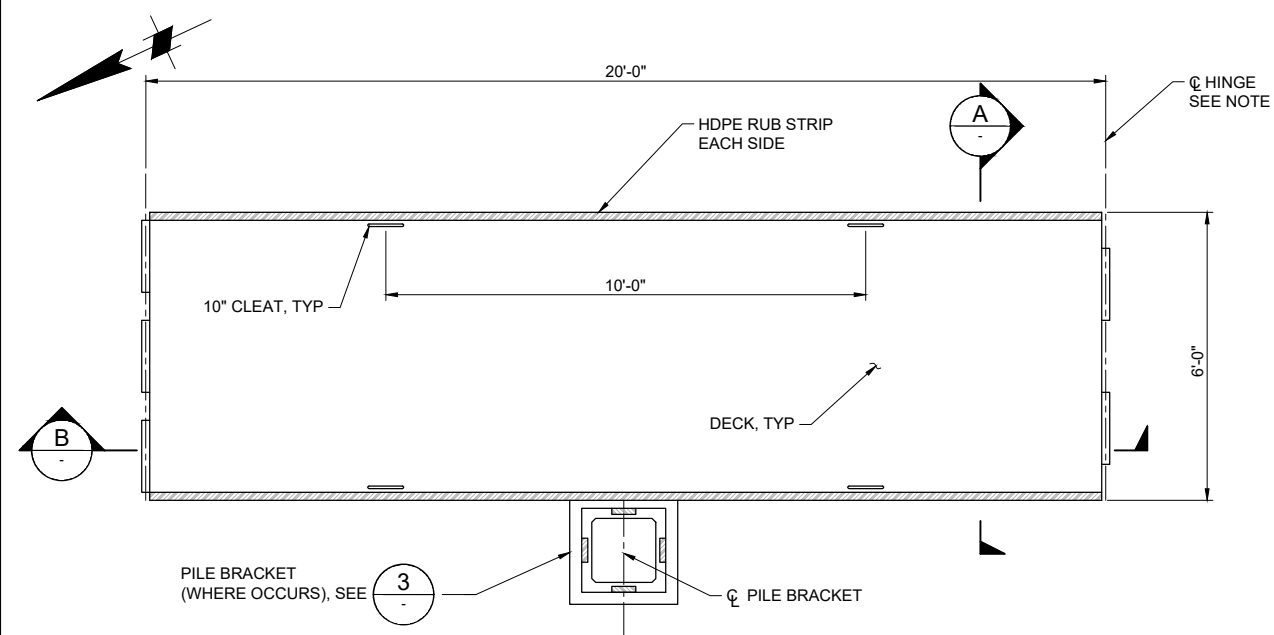
DATE 2020-10-06

SHEET 15 OF 26

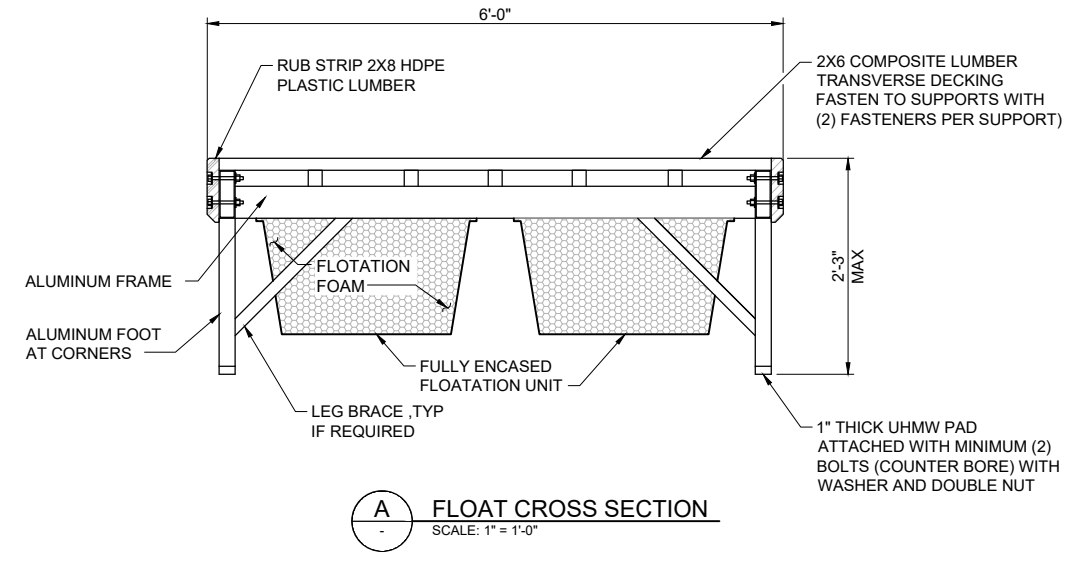
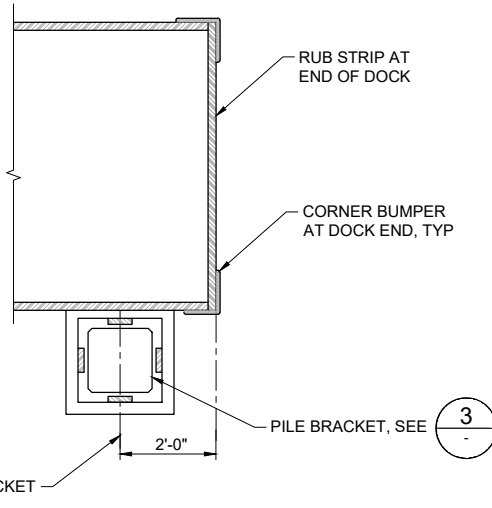
C-011

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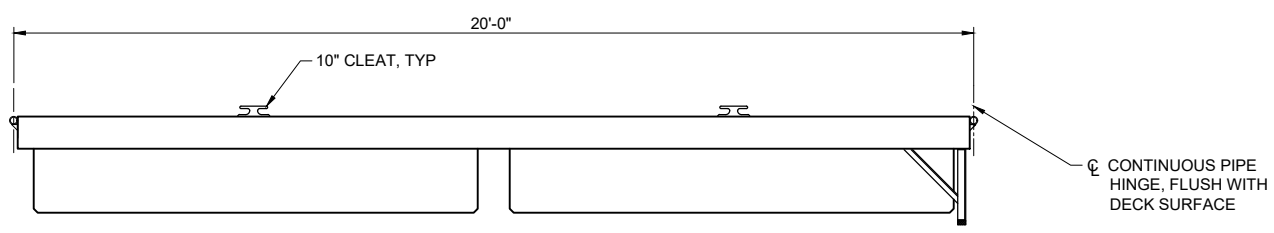
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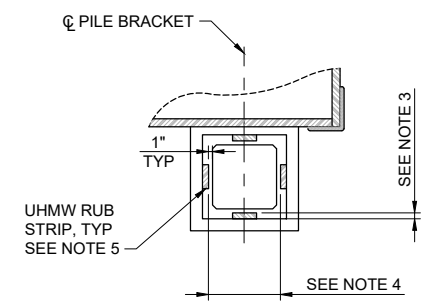
1 FLOAT PLAN
C-011 SCALE: 1/2" = 1'-0"



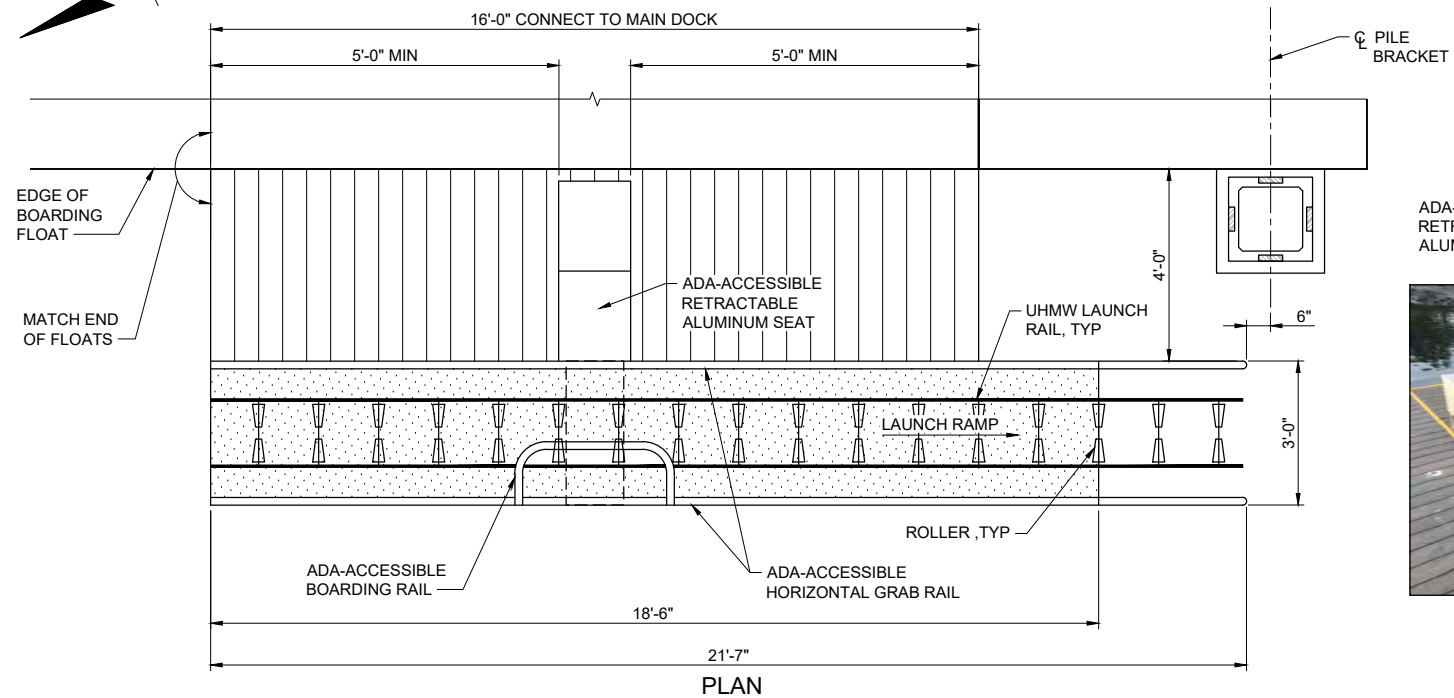
A FLOAT CROSS SECTION
SCALE: 1" = 1'-0"



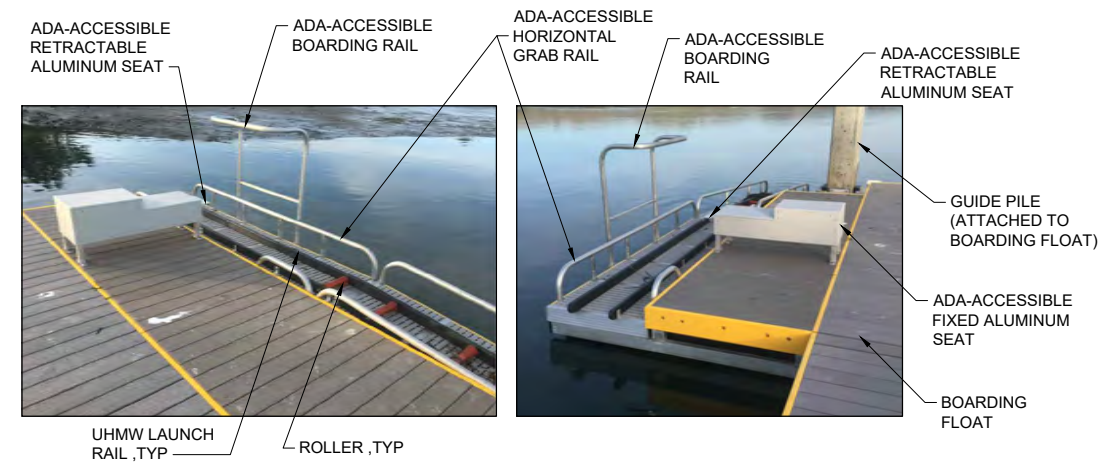
B FLOAT LONGITUDINAL SECTION
SCALE: 1/2" = 1'-0"



3 PILE BRACKET DETAIL
SCALE: NTS



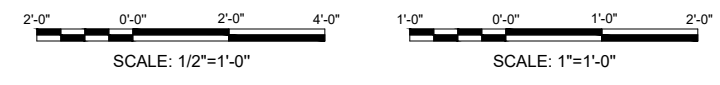
2 KAYAK LAUNCH FLOAT (ALTERNATE BID ITEM)
C-011 SCALE: 1/2" = 1'-0"



EXAMPLE PHOTOS (FROM WESTSIDE BLF)

BOARDING FLOATS

1. CONTRACTOR SHALL DESIGN THE FLOATS TO PROVIDE THE REQUIRED FREEBOARD IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SEE SPECIFICATIONS.
2. HINGE LAYOUT IS SCHEMATIC ONLY.
3. LATERAL CLEARANCE FOR PILE RUB STRIP IS 1/2 INCH MINIMUM AND 1 INCH MAXIMUM AT ALL WATER LEVELS.
4. PILE RUB STRIP CLEARANCE AT DESIGN HIGH WATER AND DESIGN LOW WATER IS 1/2 INCH MINIMUM AND 1 INCH MAXIMUM ACCORDING TO THE RELATIVE LOCATION OF THE PILE AT THE RESPECTING WATER SURFACE ELEVATION.
5. UHMW PILE RUB STRIP SHALL HAVE A MINIMUM THICKNESS OF 1 INCH AND PROVIDE A MINIMUM OF 6 INCHES CONTACT WITH THE PILE.
6. KAYAK LAUNCH FLOAT SHOWN IS SCHEMATIC ONLY AND IS INTENDED TO REPRESENT THE EXISTING KAYAK LAUNCH FLOAT AT WESTSIDE PARK BLF. THE CONTRACTOR SHALL DESIGN AND INSTALL THE KAYAK LAUNCH FLOAT AT HUDE-MAN SLOUGH BLF IN A MANNER SIMILAR TO THE EXISTING KAYAK LAUNCH FLOAT AT WESTSIDE PARK BLF.
7. BOARDING FLOAT CLEARANCES SHALL COMPLY WITH CBC 11B.1003.3.2.



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DSGN	JFJ	DR	PH	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

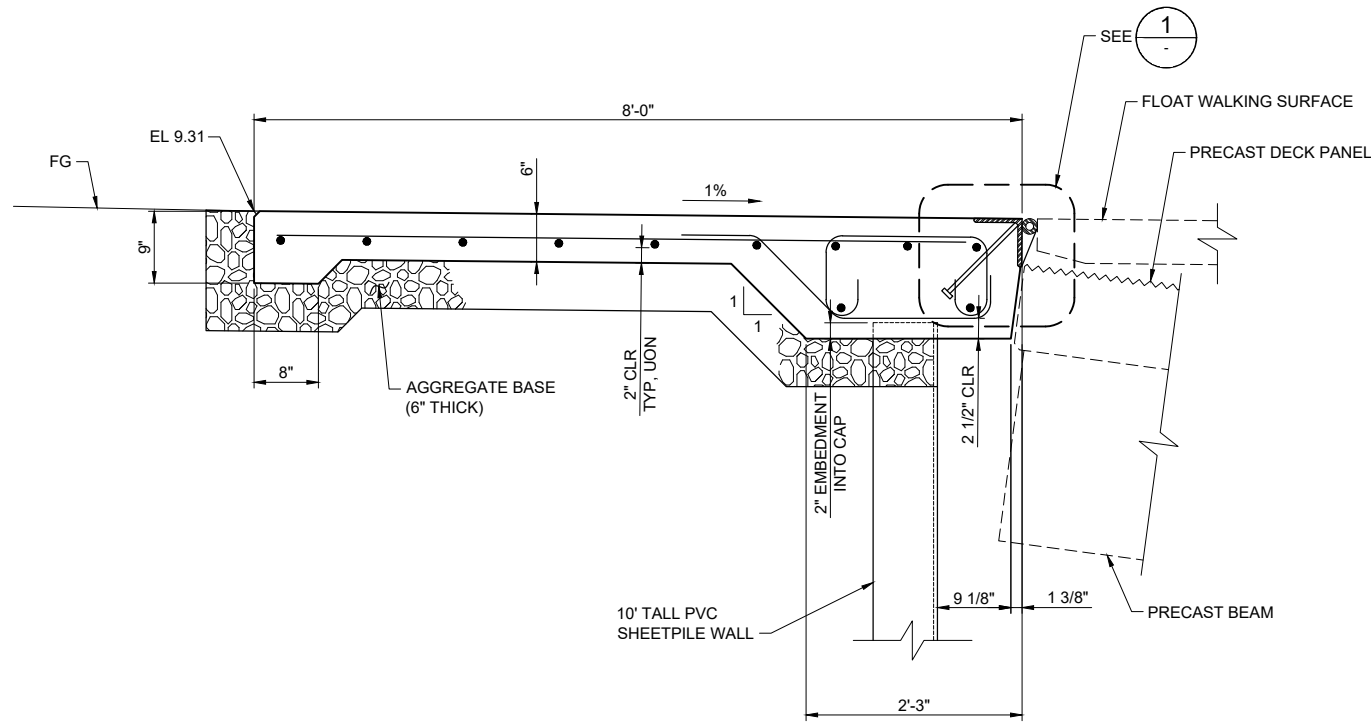
FLOAT DETAILS
SHEET 1 OF 2

DATE 2020-10-06

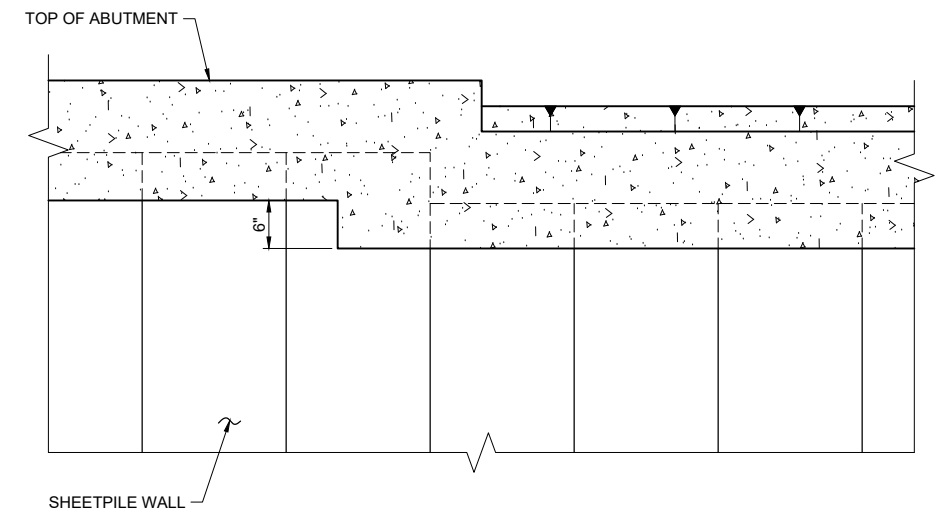
SHEET 16 OF 26

C-012

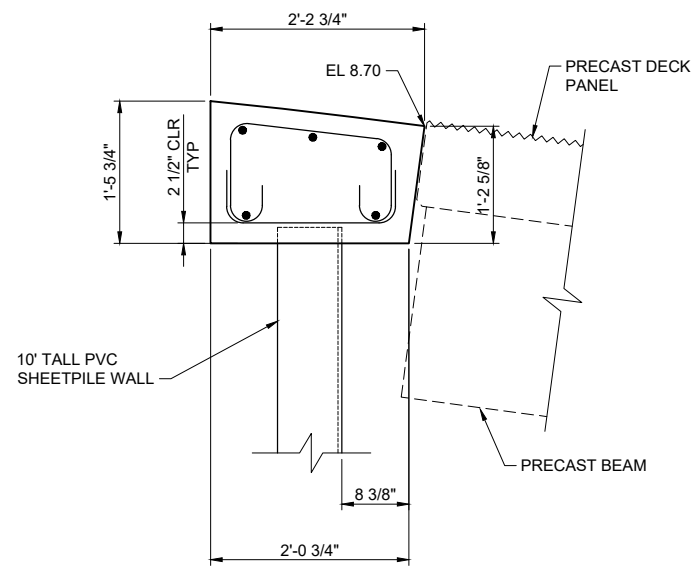
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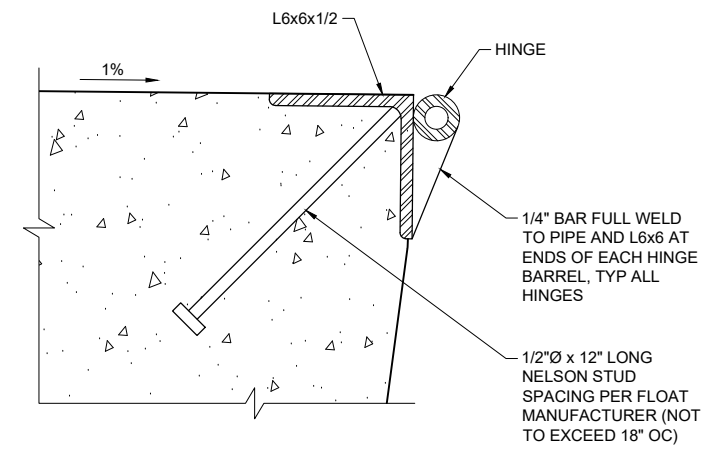
A SECTION
C-005 SCALE: 1" = 1'-0"



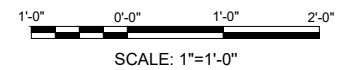
B SECTION
C-005 SCALE: 1" = 1'-0"



C SECTION
C-005 SCALE: 1" = 1'-0"



1 DETAIL
SCALE: NTS



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**HUDEMAM SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT**

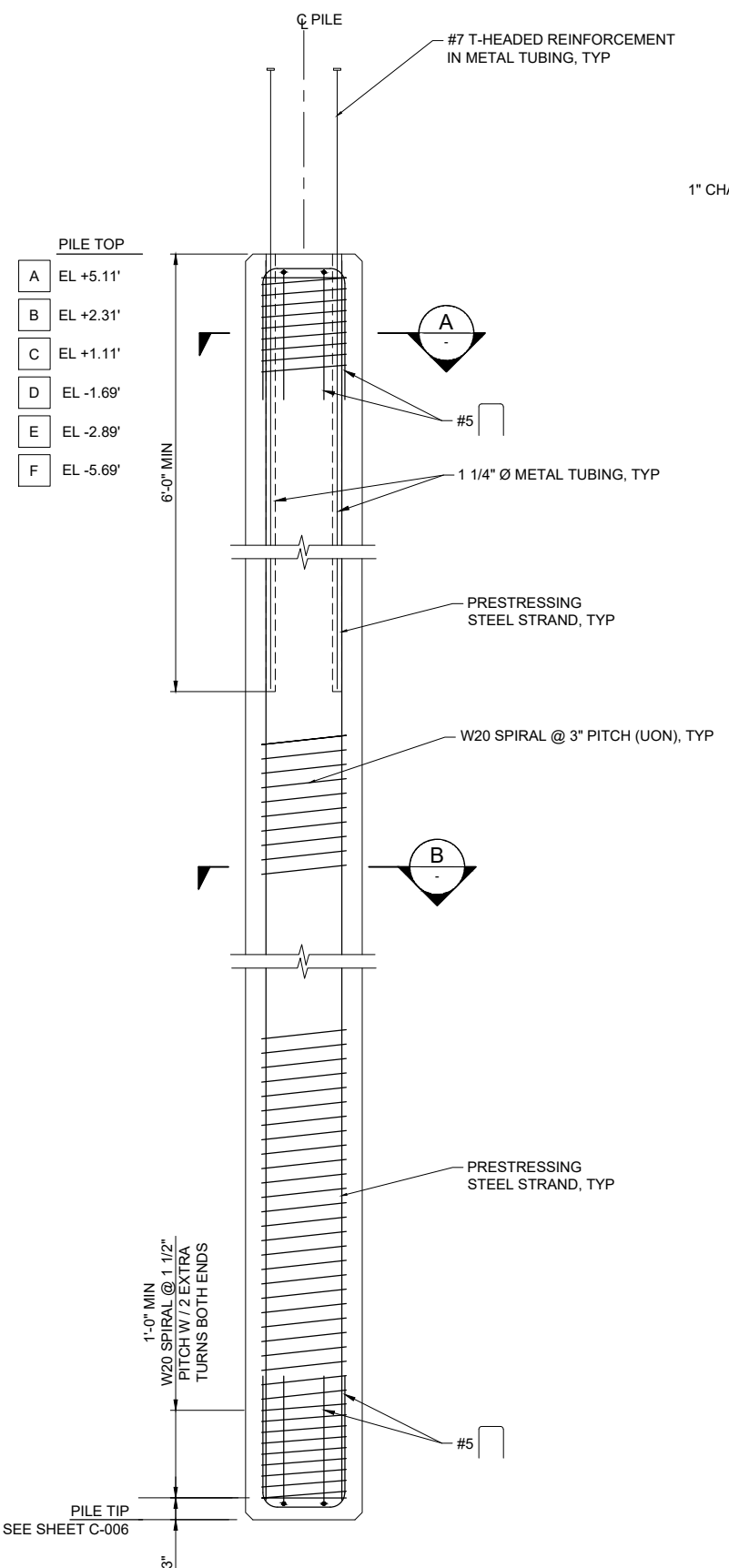
**FLOAT DETAILS
SHEET 2 OF 2**

DATE 2020-10-06

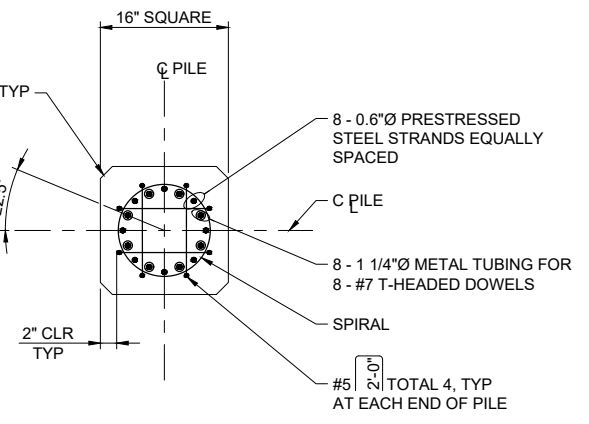
SHEET 17 OF 26

C-013

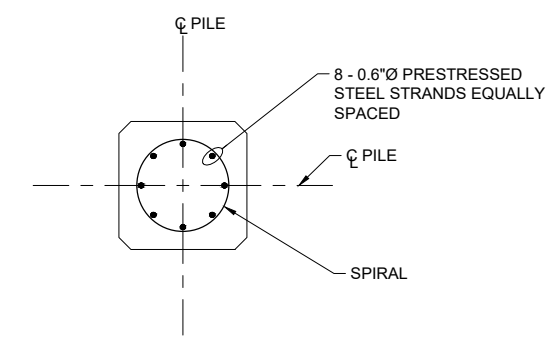
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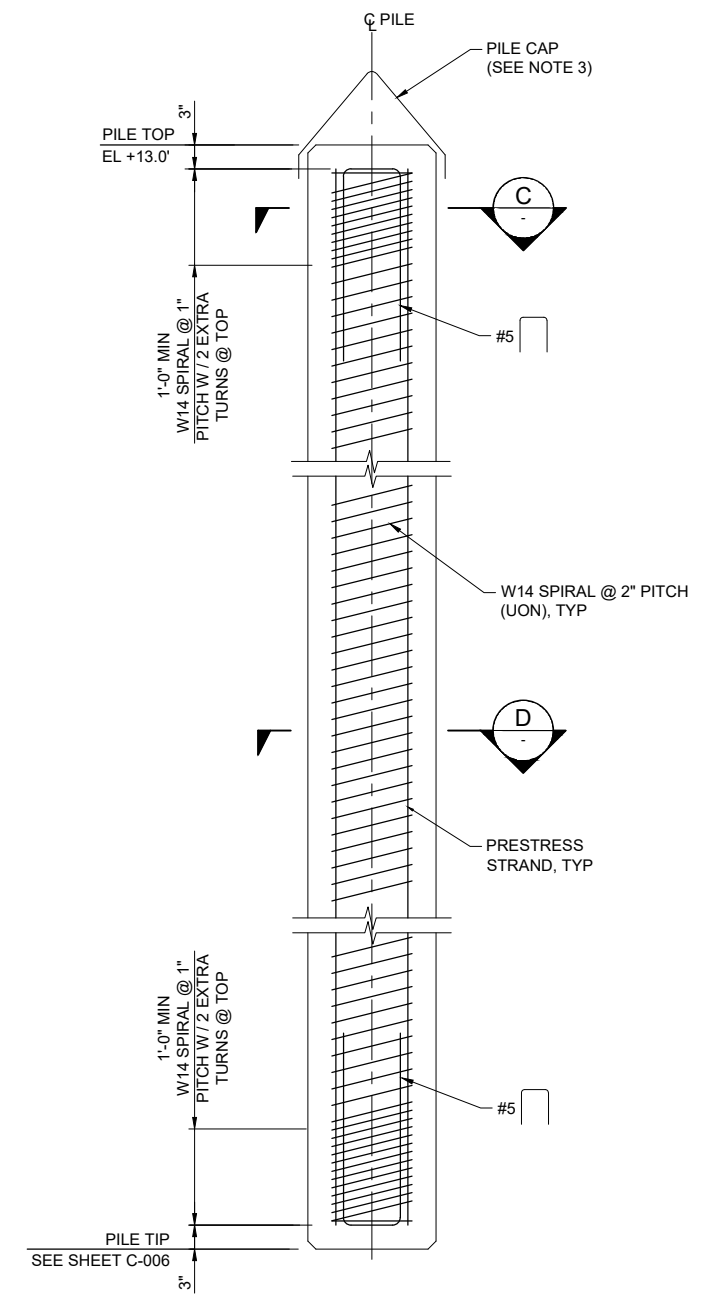
PILE TOP	
A	EL +5.11'
B	EL +2.31'
C	EL +1.11'
D	EL -1.69'
E	EL -2.89'
F	EL -5.69'



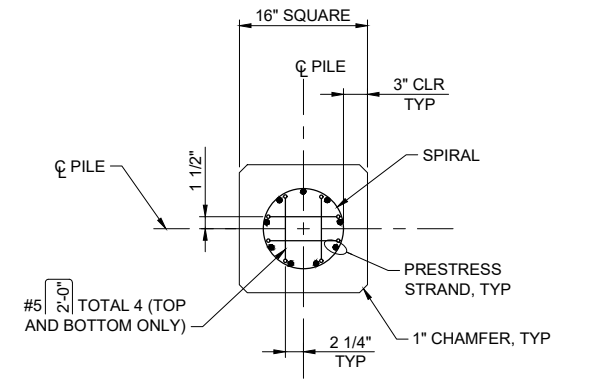
A SECTION
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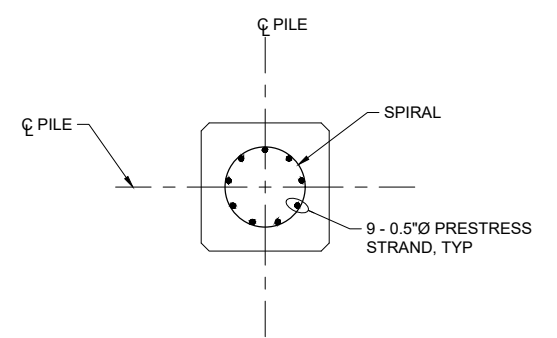
B SECTION
SCALE: 1" = 1'-0"



2 PRESTRESSED CONCRETE GUIDE PILE
SCALE: 1" = 1'-0"



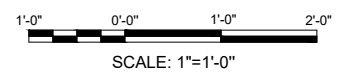
C SECTION
SCALE: 1" = 1'-0"



D SECTION
SCALE: 1" = 1'-0"

NOTES:

- PRESTRESSING STEEL SHALL BE SEVEN-WIRE LOW RELAXATION STRANDS MANUFACTURED ACCORDING TO ASTM A416, GRADE 270.
- CONCRETE COMPRESSIVE STRENGTH $f_c = 7,000$ PSI AT 28 DAYS.
- SQUARE CONE HEAD PILE CAP TO PROTECT FROM ROOSTING BIRDS. MARINE GRADE PVC WITH UV STABILIZERS.
- FURNISH PILES 5' LONGER THAN LENGTH SHOWN - AS MEASURED FROM PILE TIP TO TOP OF PILE FOR ALLOWANCE IN OVER-DRIVING AND CUT-OFF.



1 PRESTRESSED CONCRETE FOUNDATION PILE
SCALE: 1" = 1'-0"

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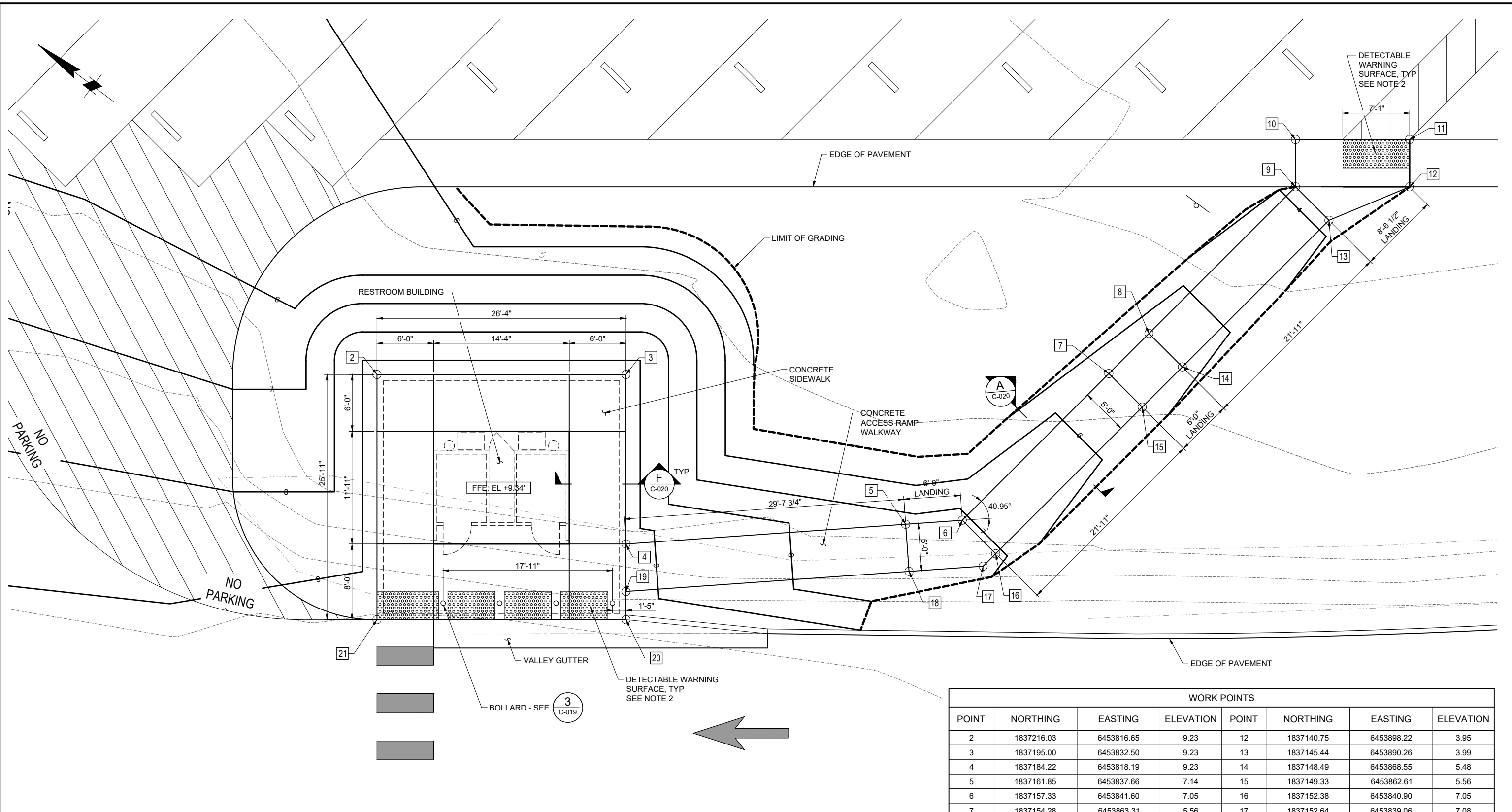
REVISION	DESCRIPTION	BY	DATE

 2185 N. CALIFORNIA BLVD., SUITE 500 WALNUT CREEK, CALIFORNIA 94596			
DSGN	NN	DR	AC
JOB NO.	8450-11	SUBMITTED BY	TITLE

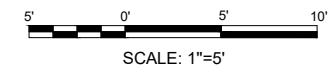
HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT
PILE DETAILS

DATE	2020-10-06
SHEET	18 OF 26
C-014	

File: C:\WC\8450-11_Hudeman_Slough_BLD\4_CADD\Active_SheetSet\845011C-015_Plotter: 11/12/2020 11:54 AM



1 RESTROOM AND ACCESS RAMP PLAN
 C-003 SCALE: 1"=5'



WORK POINTS							
POINT	NORTHING	EASTING	ELEVATION	POINT	NORTHING	EASTING	ELEVATION
2	1837216.03	6453816.65	9.23	12	1837140.75	6453898.22	3.95
3	1837195.00	6453832.50	9.23	13	1837145.44	6453890.26	3.99
4	1837184.22	6453818.19	9.23	14	1837148.49	6453868.55	5.48
5	1837161.85	6453837.66	7.14	15	1837149.33	6453862.61	5.56
6	1837157.33	6453841.60	7.05	16	1837152.38	6453840.90	7.05
7	1837154.28	6453863.31	5.56	17	1837152.64	6453839.06	7.08
8	1837153.44	6453869.25	5.48	18	1837158.57	6453833.89	7.14
9	1837150.39	6453890.96	3.99	19	1837181.20	6453814.18	9.23
10	1837153.40	6453894.95	3.92	20	1837179.40	6453811.80	9.23
11	1837143.76	6453902.21	3.86	21	1837200.43	6453795.95	9.23

- NOTES:**
- FOR ACCESSIBLE ROUTE, SIDEWALK, AND WALKWAY SLOPES, SEE **1** C-022
 - DETECTABLE WARNING SURFACE SHALL BE 3-FT LONG AND THE FULL WIDTH OF THE ACCESSIBLE ROUTE AS SHOWN AND SHALL CONFORM TO CALTRANS STANDARD PLAN A88A.

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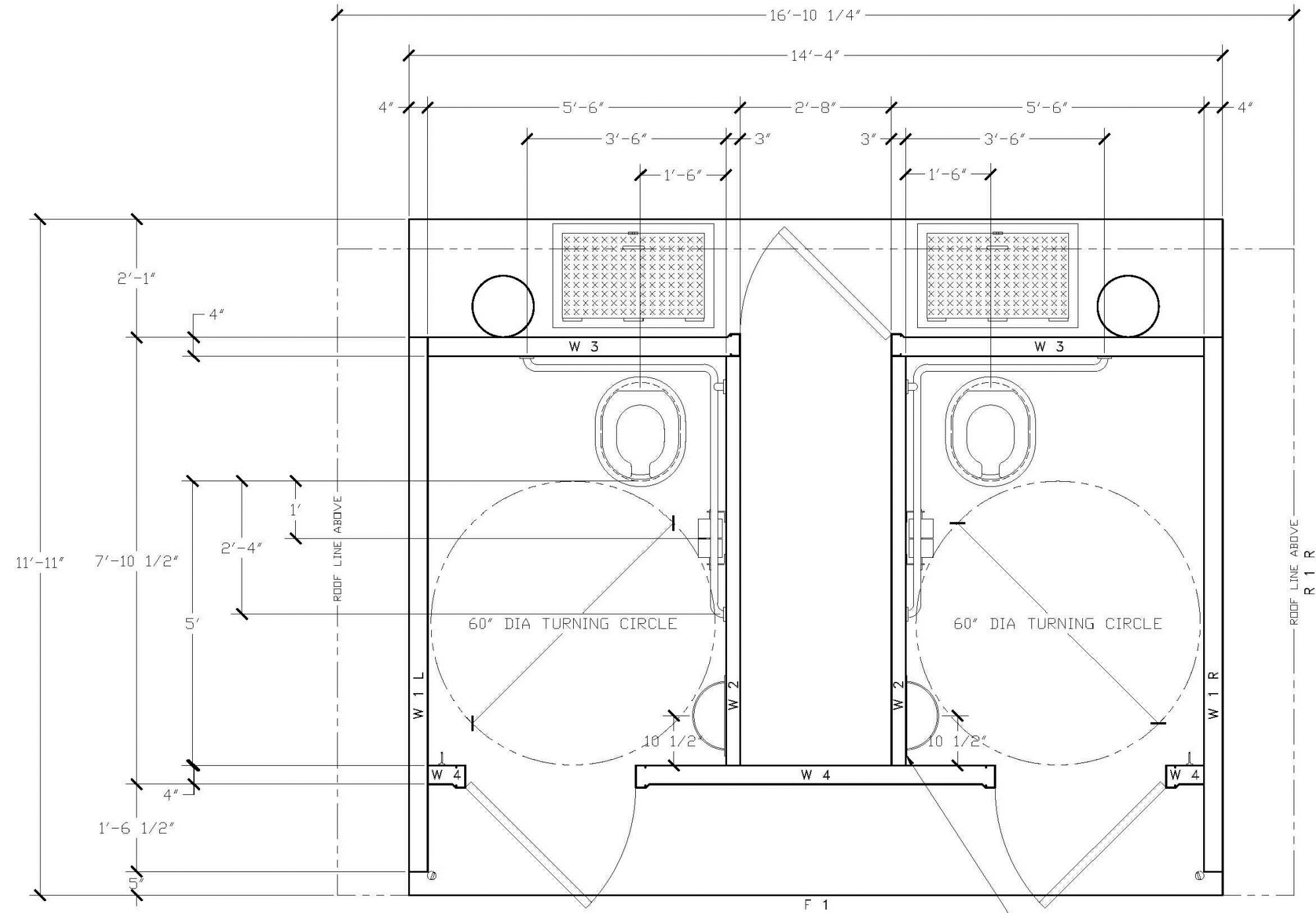
moffatt & nichol
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JOB NO.	8450-11	SUBMITTED BY		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT
RESTROOM & ACCESS RAMP PLAN

DATE 2020-10-06
 SHEET 19 OF 26
C-015

File: C:\WC\8450-11_Hudeman_Slough_BLF\4_CADD\Active_SheetSet\845011C-016_Plot.dwg, 11/12/2020 11:54 AM



**FOR
REFERENCE
ONLY**

OPTIONAL WASTE PAPER BASKET
MOUNT BTM 12" OFF FINISHED FLOOR
(SEE MD)



PROJECT TITLE
TIOGA with CHASE
CXT STANDARD BUILDING

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	07-19-16
DRAWN		FILE NO.	PD-TWC04
CHECKED		PLOT	24

FLOOR PLAN

DWG NO.	SHEET	REV.
TWC-04		

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DSGN	NN	DR	AC	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

**HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT**

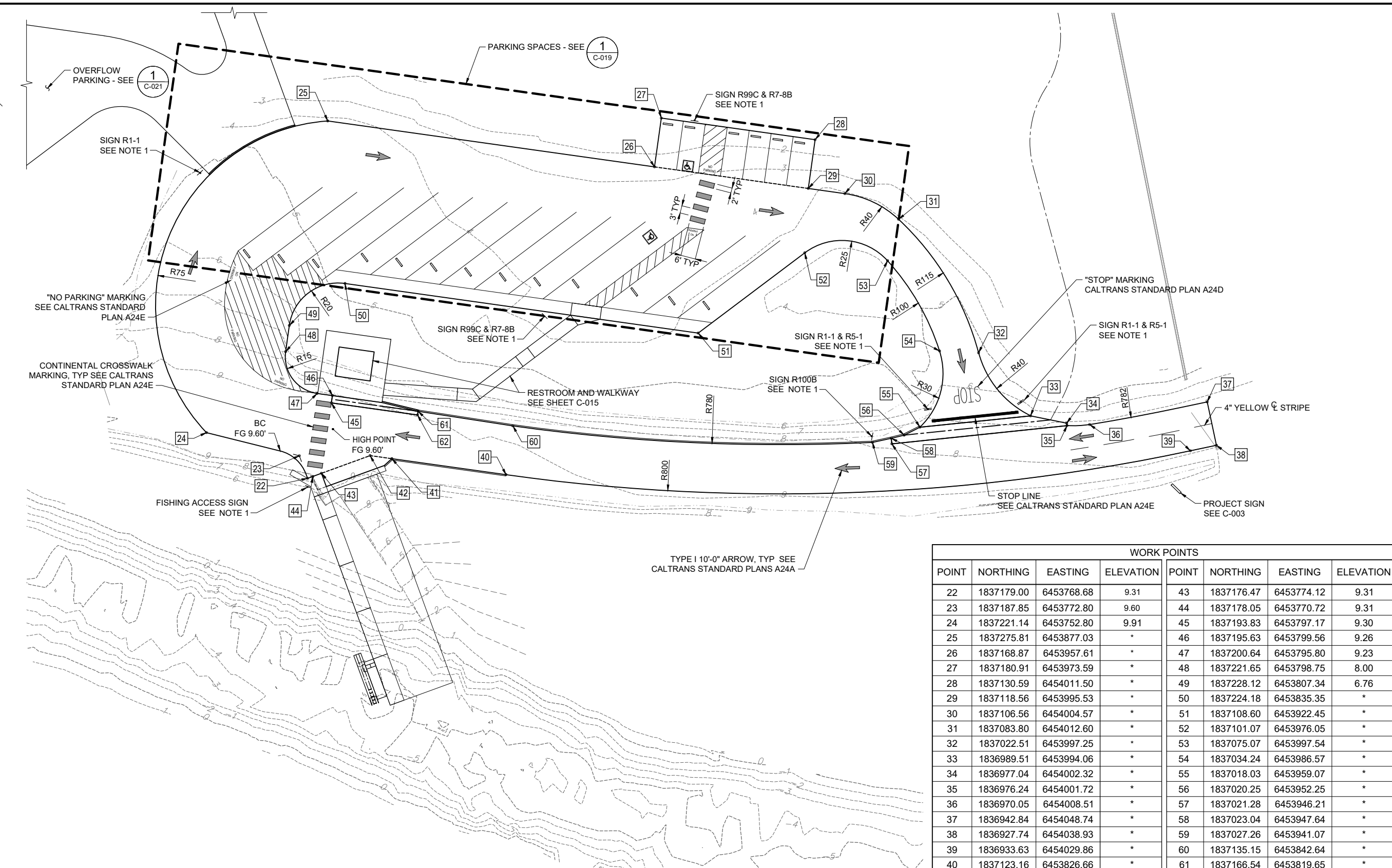
**RESTROOM
FLOOR PLAN**

DATE 2020-10-06

SHEET 20 OF 26

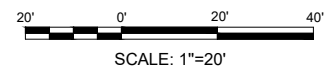
C-016

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NOTES:

- 1. FOR SIGN DETAILS, SEE 2 C-019



1 **PARKING LOT PLAN**
SCALE: 1"=20'

WORK POINTS							
POINT	NORTHING	EASTING	ELEVATION	POINT	NORTHING	EASTING	ELEVATION
22	1837179.00	6453768.68	9.31	43	1837176.47	6453774.12	9.31
23	1837187.85	6453772.80	9.60	44	1837178.05	6453770.72	9.31
24	1837221.14	6453752.80	9.91	45	1837193.83	6453797.17	9.30
25	1837275.81	6453877.03	*	46	1837195.63	6453799.56	9.26
26	1837168.87	6453957.61	*	47	1837200.64	6453795.80	9.23
27	1837180.91	6453973.59	*	48	1837221.65	6453798.75	8.00
28	1837130.59	6454011.50	*	49	1837228.12	6453807.34	6.76
29	1837118.56	6453995.53	*	50	1837224.18	6453835.35	*
30	1837106.56	6454004.57	*	51	1837108.60	6453922.45	*
31	1837083.80	6454012.60	*	52	1837101.07	6453976.05	*
32	1837022.51	6453997.25	*	53	1837075.07	6453997.54	*
33	1836989.51	6453994.06	*	54	1837034.24	6453986.57	*
34	1836977.04	6454002.32	*	55	1837018.03	6453959.07	*
35	1836976.24	6454001.72	*	56	1837020.25	6453952.25	*
36	1836970.05	6454008.51	*	57	1837021.28	6453946.21	*
37	1836942.84	6454048.74	*	58	1837023.04	6453947.64	*
38	1836927.74	6454038.93	*	59	1837027.26	6453941.07	*
39	1836933.63	6454029.86	*	60	1837135.15	6453842.64	*
40	1837123.16	6453826.66	*	61	1837166.54	6453819.65	*
41	1837160.47	6453798.52	9.31	62	1837165.62	6453818.43	*
42	1837167.59	6453793.15	9.31				

* FG ELEVATION BASED ON EXISTING CONDITIONS

90% DESIGN
ISSUED: 2020-10-06
NOT TO BE USED FOR CONSTRUCTION



REVISION	DESCRIPTION	BY	DATE

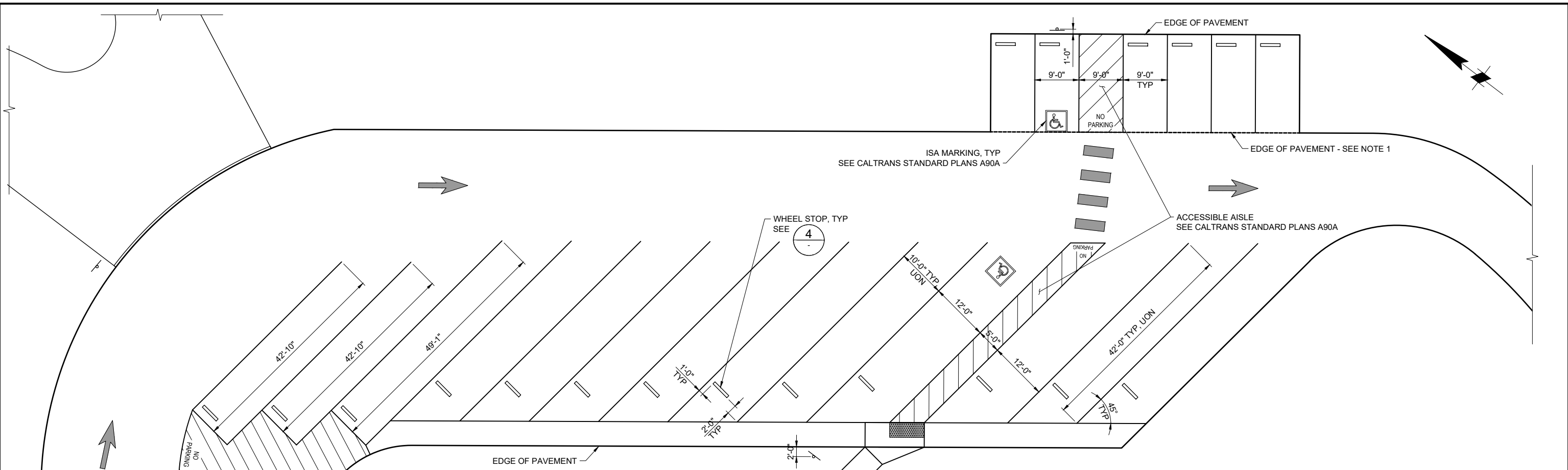
moffatt & nichol
2185 N. CALIFORNIA BLVD., SUITE 500
WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	AC	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

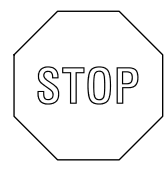
**HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT**

**PARKING LOT
PLAN**

File: C:\WC\8450-11_Hudemans Slough_BLF\4_CADD\Active_SheetSet\845011C-019_Plot.dwg, 11/12/2020 12:45 PM



1 PARKING SPACE DETAILS
C-018 SCALE: 1" = 10'



R1-1 STANDARD 24" X 24"



R5-1 24" X 24"



FISHING ACCESS SIGN (EXISTING SIGN SHOWN ABOVE)



SIGN (R100B) STANDARD 18" X 24"

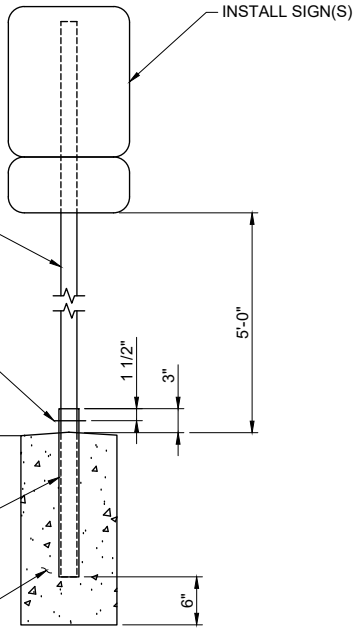
* INFORMATION TO BE PROVIDED BY THE OWNER



ACCESSIBLE PARKING ONLY MINIMUM FINE \$250 (R99C) STANDARD 12" X 24"

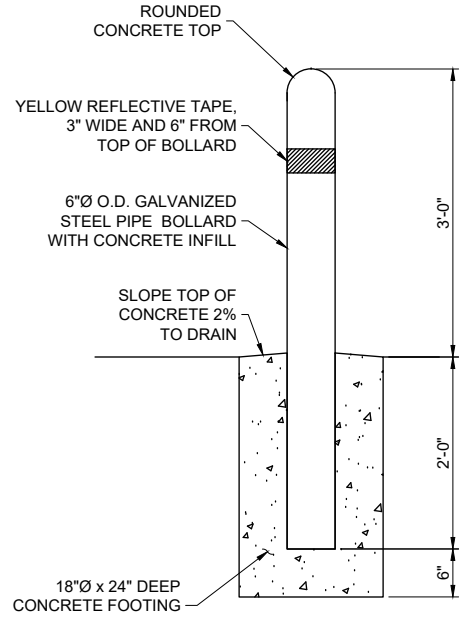


VAN-ACCESSIBLE PARKING (R7-8B) 12" X 6"

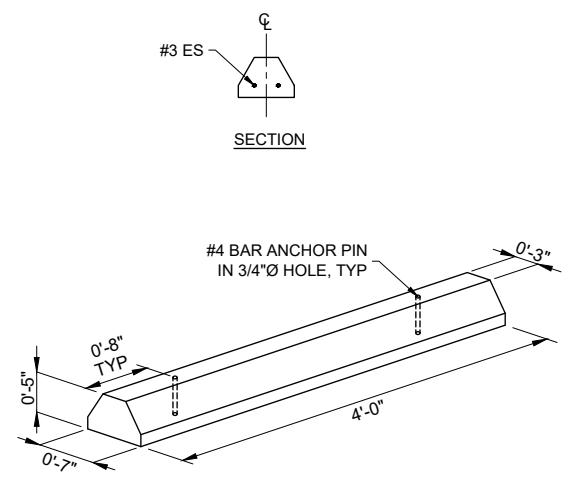


SIGN POST

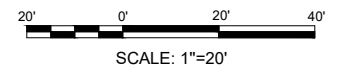
2 SIGNS
C-018 SCALE: NTS



3 BOLLARD
C-015 SCALE: NTS



4 WHEEL STOP
SCALE: NTS



- NOTES:**
- EDGE OF PAVEMENT WILL BE EXTENDED TO INCLUDE PARKING AREA FOR ALTERNATE BID ITEM IF PURSUED.

90% DESIGN
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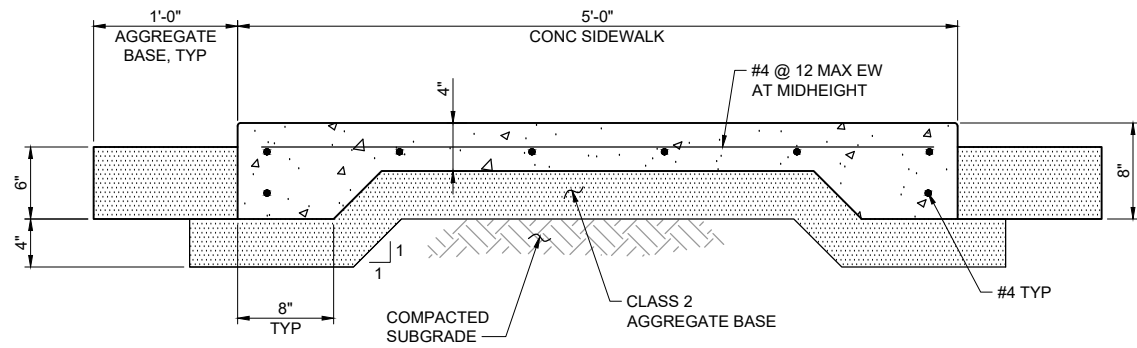
HUDEMAN SLOUGH BOAT LAUNCH FACILITY IMPROVEMENT PROJECT

PARKING LOT DETAILS
SHEET 1 OF 2

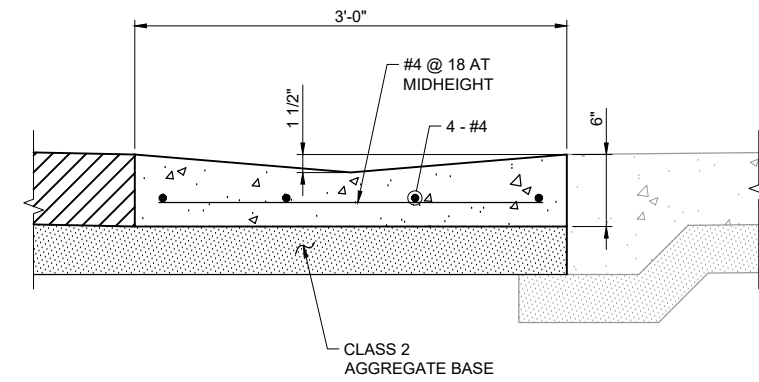
DATE 2020-10-06

SHEET 25 OF 26

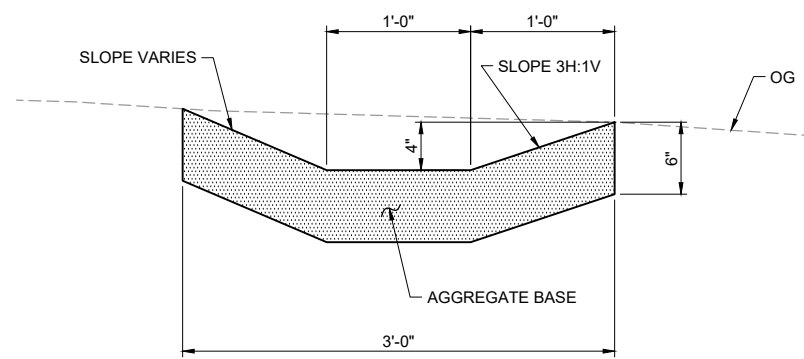
C-019



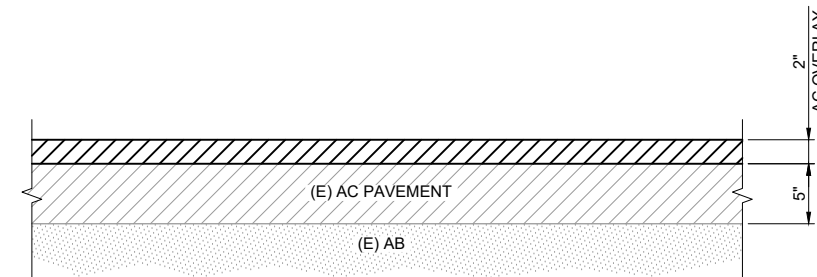
A WALKWAY AND ACCESS RAMP SECTION
C-015 SCALE: 1 1/2" = 1'-0"



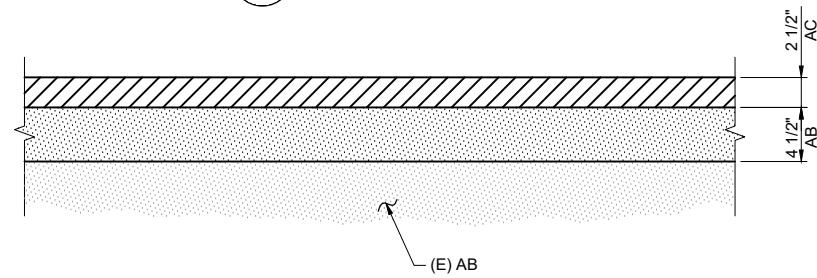
B VALLEY GUTTER SECTION
SCALE: NTS



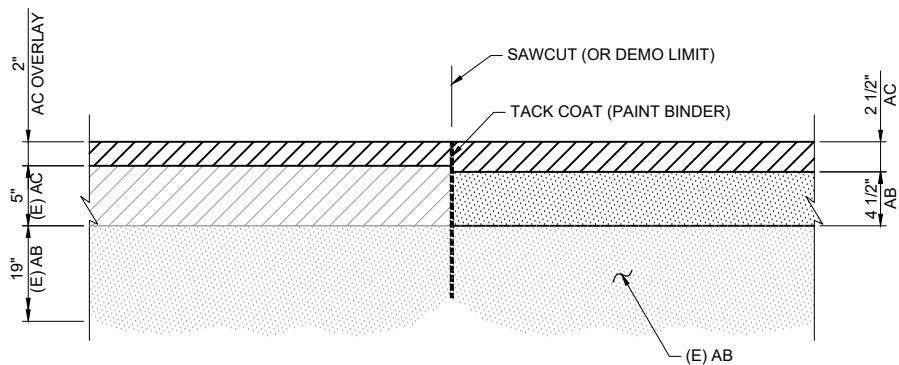
C SWALE SECTION
SCALE: NTS



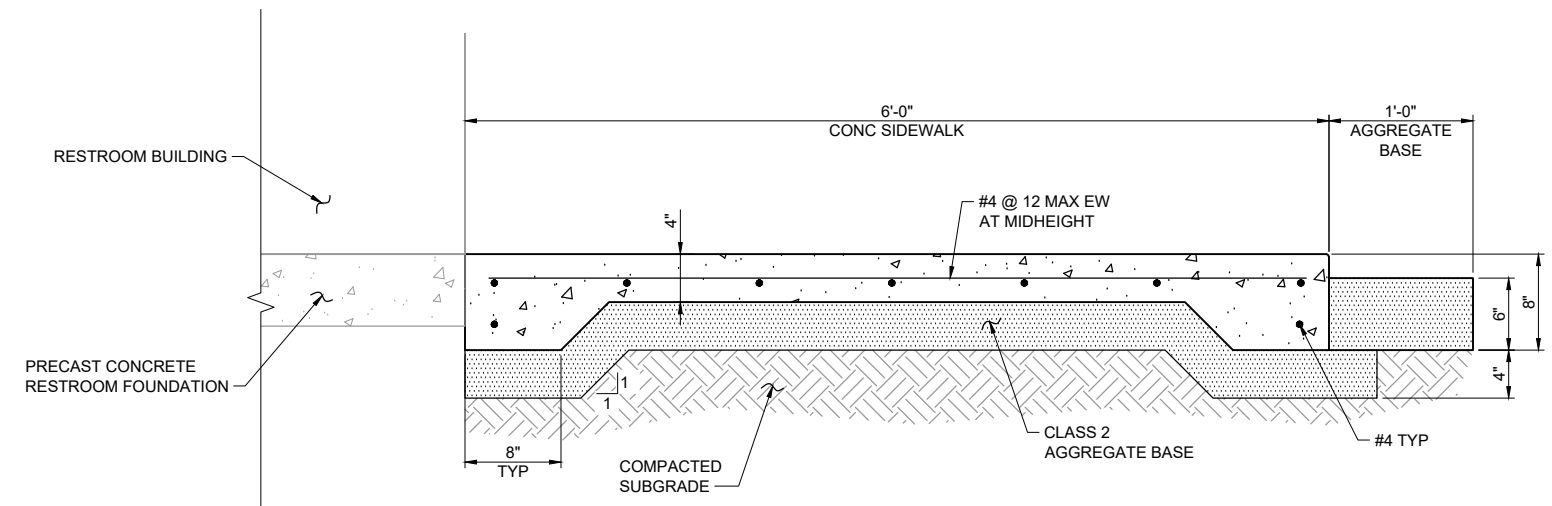
D TYPICAL SECTION - AC OVERLAY
SCALE: 1 1/2" = 1'-0"



E TYPICAL SECTION - AC PAVEMENT
SCALE: 1 1/2" = 1'-0"



1 TYPICAL SAWCUT DETAIL
SCALE: 1 1/2" = 1'-0"



F CONCRETE SIDEWALK
C-015 SCALE: 1 1/2" = 1'-0"

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JOB NO.	8450-11	SUBMITTED BY	TITLE		

HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

PARKING LOT DETAILS
SHEET 2 OF 2

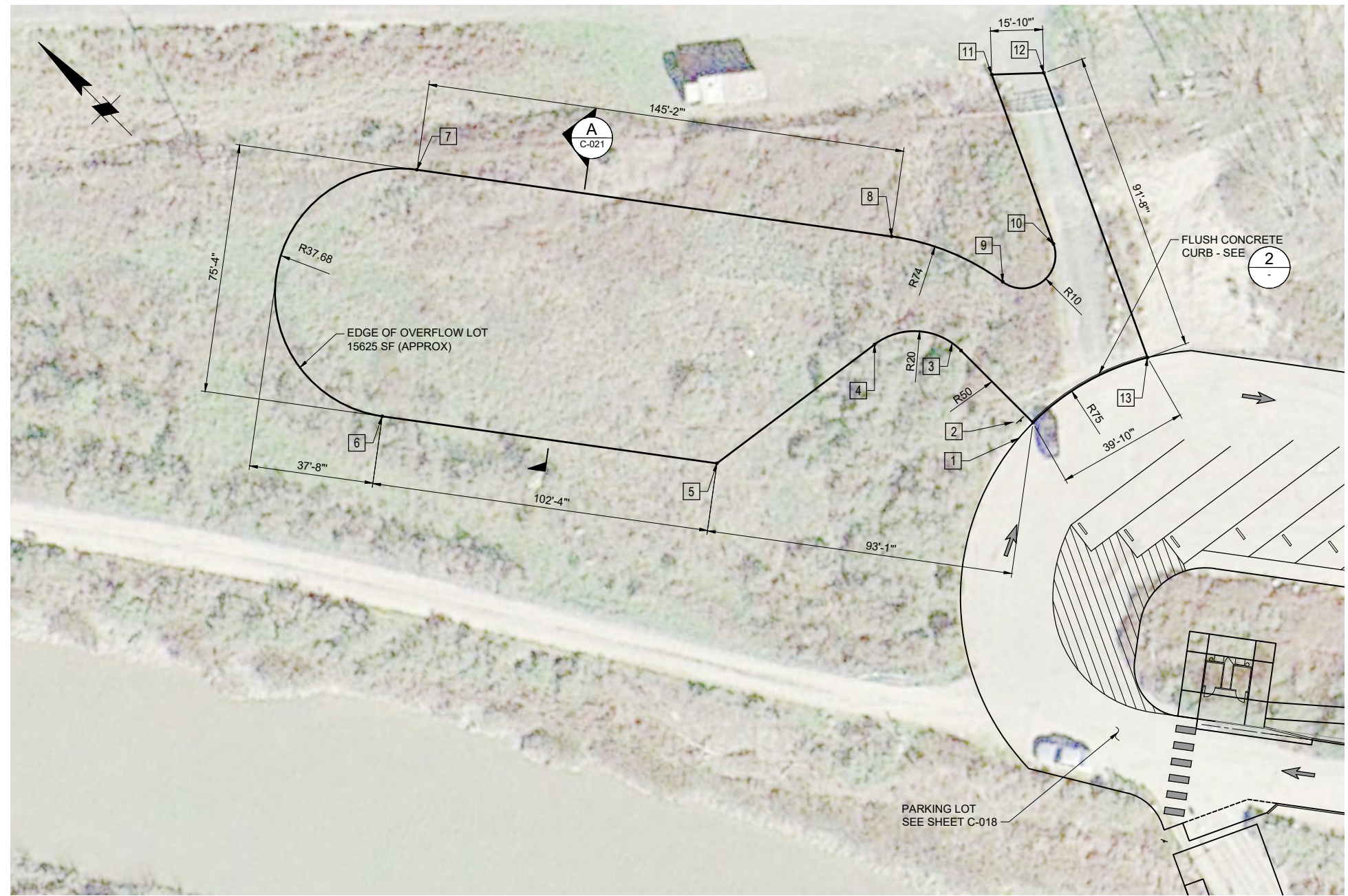
DATE 2020-10-06

SHEET 24 OF 26

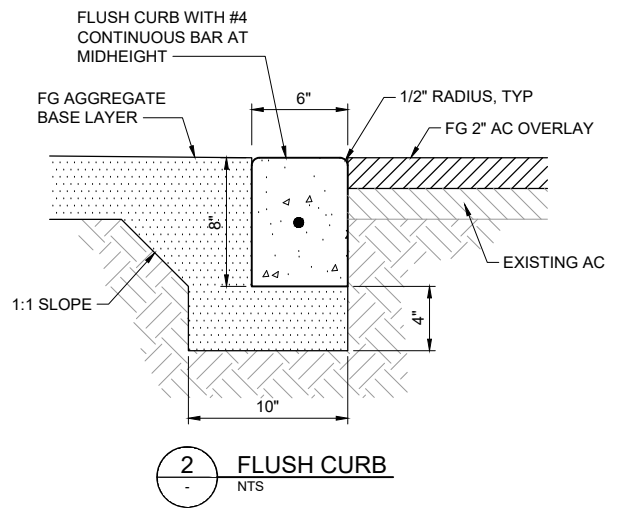
C-020

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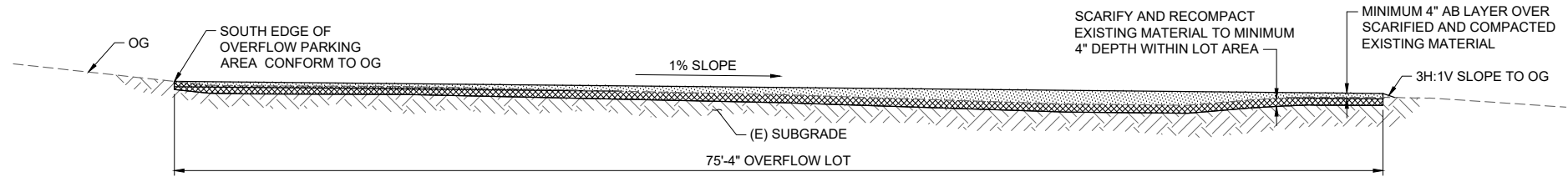
File: C:\WC\8450-11_Hudeman_Slough_BLF\4_CADD\Active_SheetSet\845011C-021_Plot.dwg, 11/12/2020 11:56 AM



WORK POINTS		
POINTS	NORTHING	EASTING
1	1837294.25	6453827.78
2	1837325.08	6453827.78
3	1837344.89	6453810.56
4	1837353.20	6453751.39
5	1837434.93	6453689.81
6	1837480.28	6453749.99
7	1837364.36	6453837.34
8	1837330.83	6453851.42
9	1837328.10	6453870.37
10	1837377.60	6453893.46
11	1837366.77	6453904.96
12	1837283.66	6453866.20

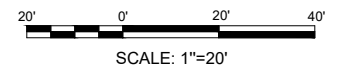


1 OVERFLOW PARKING PLAN
SCALE: 1" = 20'



A OVERFLOW LOT TYPICAL SECTION
SCALE: 1" = 5'

- NOTES:**
1. PLACE AGGREGATE BASE ON SCARIFIED AND RECOMPACTED GROUND SURFACE AND PROVIDE 1% DRAINAGE SLOPE TO THE NORTH EDGE OF OVERFLOW LOT.



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WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	AC	CHK	RD
JOB NO.	8450-11	SUBMITTED BY		TITLE	

HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

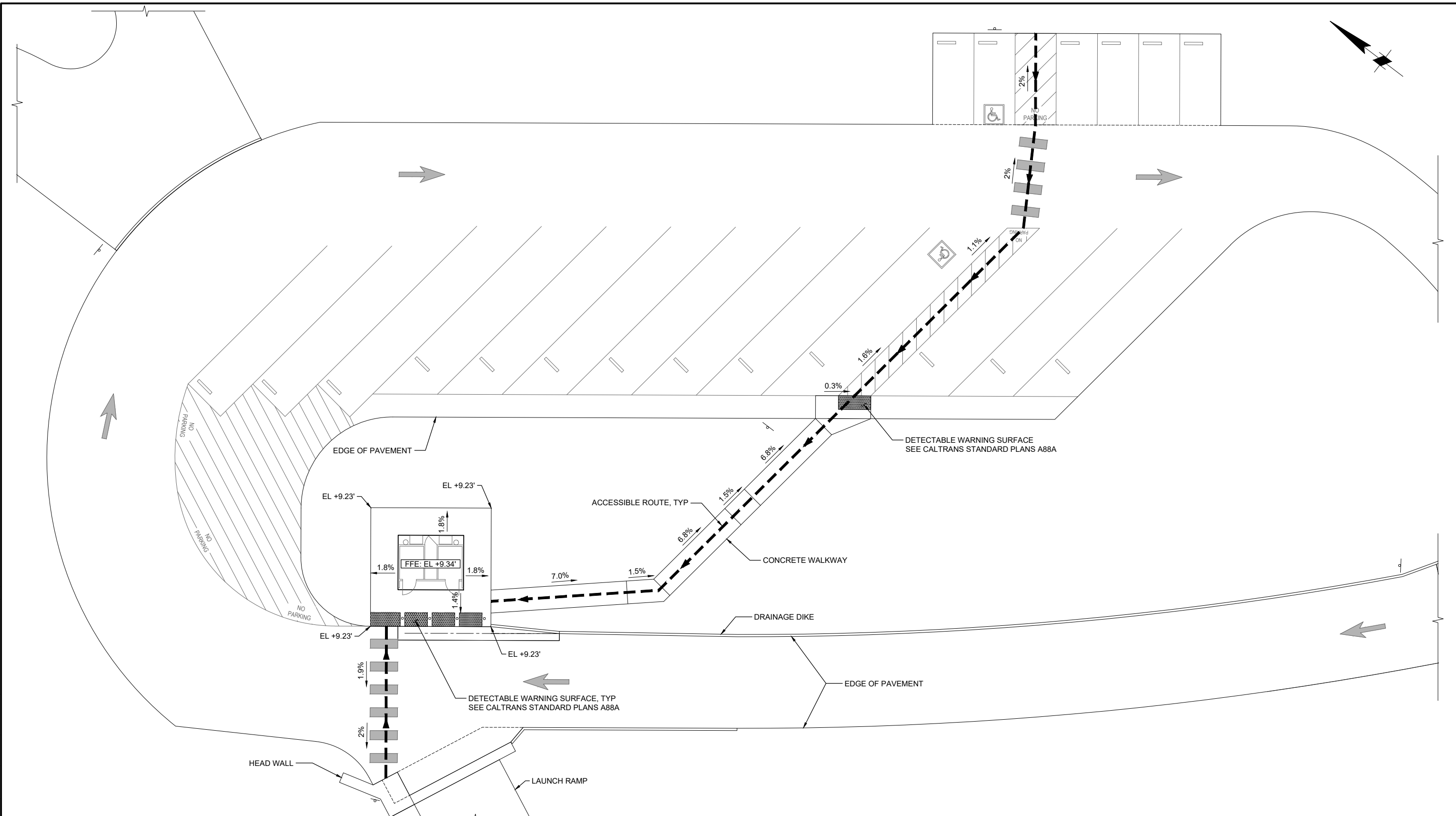
**OVERFLOW PARKING
PLAN**

DATE 2020-10-06

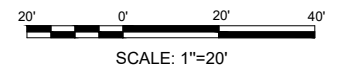
SHEET 25 OF 26

C-021

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1 ACCESSIBLE ROUTE PLAN
SCALE: 1" = 10'



90% DESIGN
ISSUED: 2020-10-06
NOT TO BE USED FOR CONSTRUCTION



REVISION	DESCRIPTION	BY	DATE

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WALNUT CREEK, CALIFORNIA 94596

DSGN	NN	DR	DAJ	CHK	RD
JOB NO.	SUBMITTED BY		TITLE		
8450-11					

HUDEMAN SLOUGH BOAT LAUNCH
FACILITY IMPROVEMENT PROJECT

**ACCESSIBLE
ROUTE PLAN**

DATE 2020-10-06

SHEET 26 OF 26

C-022