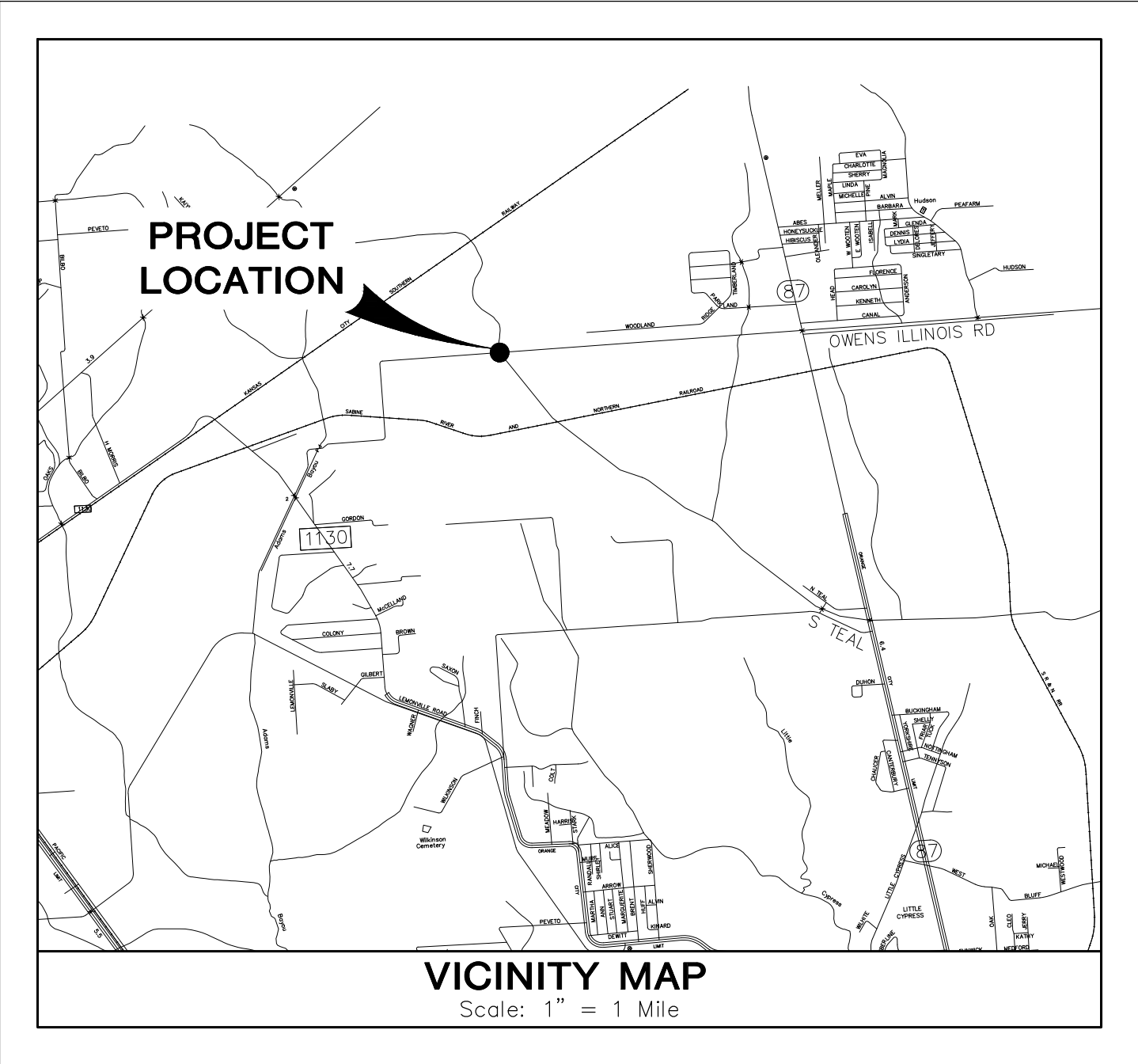


CONSTRUCTION
OF
GULF COAST CANAL CLAYBAR SIPHON
FOR
SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

INDEX OF DRAWINGS

SHEET No.	GENERAL
1	G1 COVER & SHEET INDEX
2	G2 GENERAL CONSTRUCTION NOTES
CIVIL	
3	C1 EXISTING SITE PLAN
4	C2 ACCESS ROUTE, STAGING, AND CONSTRUCTABILITY
5	C3 PHASE 1 PLAN VIEW
6	C4 PHASE 1 PROFILE PLAN
7	C5 PHASE 2 PLAN VIEW
8	C6 PHASE 2 PROFILE VIEW
9	C7 PHASE 3 PLAN VIEW
10	C8 PHASE 3 PROFILE VIEW
11	C9 FINISHED GRADE CROSS SECTION SHEET 1 OF 2
12	C10 FINISHED GRADE CROSS SECTION SHEET 2 OF 2
13	C11 EAST HEADWALL DETAIL
14	C12 WEST HEADWALL DETAIL
15	C13 STRUCTURAL DETILS
16	C14 MISCELLANEOUS DETAILS
17	C15 STORM WATER POLLUTION PREVENTION PLAN SHEET 1 OF 3
18	C16 STORM WATER POLLUTION PREVENTION PLAN SHEET 2 OF 3
19	C17 STORM WATER POLLUTION PREVENTION PLAN SHEET 3 OF 3



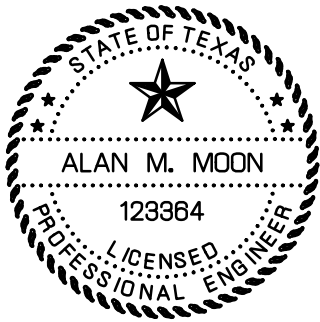
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ORANGE, TEXAS 77630

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(713) 223-4567 (in Houston)
(New Statewide Number Outside Houston)
1-(800) 344-8377

AUGUST 2024
QUIDDITY JOB No. 17314-0004-01



Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



Alan Moon
9/11/2024

GENERAL CONSTRUCTION NOTES:

- All work performed shall comply with current National specifications and standard practices, approved project plans and specifications and all applicable City and County standards, codes and ordinances.
- Upon completion of all construction projects, the Contractor shall restore existing facilities (i.e. property) to equal or better than original site conditions prior to construction.
- The Contractor shall furnish all materials, equipment, and labor for this project. The Contractor shall furnish all materials, equipment, excavation, installation and backfilling of raw water conveyance siphons and related appurtenances as shown on the plans and/or described in the specifications.
- The loading, unloading and handling of all pipes, appurtenances, and other accessories shall be in accordance with the manufacturer's recommended practices and shall at all times be performed with care to avoid any damage to the material. The Contractor can use SRA property for storage areas for materials and equipment.
- The Contractor shall be responsible for safeguarding and protecting all material and equipment stored on the job site. The Contractor shall be responsible for the storage of materials in a safe and workmanlike manner to prevent injuries, during and after working hours, until project completion.
- The Contractor shall provide sheeting, shoring and bracing necessary to protect workmen and existing utilities during all phases of construction, as may be required by O.S.H.A., Federal, State and local laws, codes and ordinances.
- All testing procedures used on this project shall conform to specifications. The testing expenses shall be borne by the Contractor. Should any test results not meet the testing standards, it is the Contractor's responsibility to remove or replace such materials and installations so that testing standards are met. Additional testing to certify compliance with testing standards shall be at the Contractor's sole expense.
- The approximate location of existing utilities are given for reference only. Before commencing the work on this contract, the Contractor shall verify by field investigation the actual locations of all utility facilities within and adjacent to the limits of the work that may be affected by the project work. The Contractor shall be responsible prior to excavation to determine if conflicts exist. The Contractor shall notify the Project Manager or Authority at once of any conflict prior to commencing any construction. Conflicts which result due to negligence by the Contractor to locate, horizontally and vertically, existing utilities which are shown on the construction drawings, or which the Contractor has been given notice or has knowledge, shall be the sole responsibility of the Contractor. The cost of remedial work, removal of portions of the work or extensive design changes occasioned by the failure of the Contractor to verify the location of existing utilities as described above shall be borne by the Contractor.
- The Contractor shall be fully responsible for any and all damage to existing public or private utility lines, including but not limited to paving, water lines, wastewater collection systems, storm sewer and traffic signals during construction. All damages shall be repaired in accordance with current editions of applicable governing entity. Repairs shall be at no cost to the Sabine River Authority.
- The Contractor shall not unload any track--type construction machinery on any existing pavement or cross over any existing pavement or curb during any project.
- The Contractor shall provide the Engineer detailed "Record Drawings," in reproductive form, upon completion of a project prior to final payment.
- The Contractor shall give notification to the Sabine River Authority for inspection of work in a timely manner. No completed work will be covered without approval. Contractor shall notify the following forty-eight (48) hours prior to beginning construction:
A. Quiddity Engineering -- (713) 777-5337
B. Sabine River Authority -- (409) 746-2111
- Contractor shall notify all utility companies in the area at least 72 hours prior to commencing work in any right-of-way or existing easement. A verification number from the one-call utility coordinating committee is required.
A. Texas811 (dig test) -- 1 (800) 344-8377
B. CenterPoint Energy -- Natural Gas -- (713) 659-2111, 1 (800) 752-8036
C. Entergy -- Power -- 1 (800) 368-3749
D. AT&T Texas/SWBT -- 1 (800) 344-8377
E. Drainage District -- (409) 745-3004
- The Contractor shall hold harmless the Sabine River Authority and all its representatives from all suits, actions, or claims, of any character, brought on account of any injuries or damages sustained by any person or property in consequence of any neglect in safeguarding the work or through the use of unacceptable material in the construction of the improvements, or on account of any act of omission by the said Contractor. The Contractor shall not be released from said responsibility until the project shall have been completed and accepted, and so much of the money due the Contractor under and by virtue of his contract may be retained by the City or his surety may be held until such claims have been settled and suitable evidence to that effect furnished to the Authority.
- Unless specifically authorized by the Owner, Contractor shall confine all work efforts within the designated area. Contractor shall exercise extreme care near adjacent property to protect any existing trees, structures, fences, and other existing features. Contractor shall be responsible for adequately protecting existing structures, utilities, trees, and other adjoining facilities and property, and repair and replace due to damage caused by Contractor at Contractor's sole expense. Restoration shall be as good as or better than prior to starting work.

GENERAL CONSTRUCTION NOTES CONT.:

- Owner shall provide horizontal and vertical control monuments. Contractor shall be responsible for construction staking for project.
- These plans, prepared by Quiddity Engineering, do not extend to or include the designs or systems pertaining to the safety of the Contractor or its employees, agents, or representatives in the performance of the work. The seal of the Registered Professional Engineer hereon does not extend to any such systems that may now or hereafter be incorporated in these plans. The Contractor shall prepare or obtain appropriate safety systems, including the plans and specifications required by House Bill 1569, as currently amended, enacted by the Texas Legislature and current O.S.H.A. Standards for Trench Safety.
- Prior to bidding the project, the Contractor shall inspect the site and satisfy himself that conditions of the site of this project are acceptable for construction.
- Extra bank sand as directed by Engineer shall be from an approved source. Use sand that is free from clay lumps, organic or other deleterious material, and having a plasticity index of four (4) or less.
- Access to driveways must be maintained during construction.
- No open trenches are to be left unattended overnight.
- Any excess soil that is not hauled off may be used as fill for ruts and backfill to reshape drainage ditch, any fill shall be placed and graded to facilitate drainage, existing surface drainage shall not be impaired.
- All material such as trees, dirt, shrubs, roots, broken concrete asphalt, and other debris encountered and removed during construction shall become the property of the Contractor and shall be disposed of by Contractor at Contractor's expense. All excess spoils shall be disposed of by the Contractor, at no separate pay.
- All siphon pipe and other drainage facilities shall be protected from damage during construction operations, culverts, etc. Damage as a result of Contractor's negligence shall be replaced at Contractor's expense.
- Ingress and egress adjacent to the project shall be maintained by the Contractor at all times. The Contractor will be responsible for keeping mud and debris off existing public streets adjacent to the site. The Contractor shall be responsible for closing and securing all access gates when entering and leaving site.
- The Contractor shall be responsible for coordinating all material testing required for the project through an Owner approved testing laboratory. The Owner shall pay for all material testing.

UTILITY CONSTRUCTION NOTES:

- Contractor shall include cost of shoring in bid price for trench safety.
- Trench safety boxes shall not be placed in pipe zone.
- Existing overhead power poles and support guy wires exist along project alignment. Where a guy wire impedes the path of construction, the Contractor shall brace the existing power pole and temporarily relocate the guy wire. This work shall be coordinated with the appropriate utility company. This work is incidental to the contract.
- Working hours shall be from 7:00 a.m. to 6:00 p.m. Monday through Friday. The Contractor shall request approval of the Engineer a minimum of 48-hours prior to working on the weekends and/or holidays.
- Establishment of control points will be provided by the Owner or their representative. Alignment, centerline curve data, and stationing to be determined from approved recorded plat or road right-of-way. The Contractor will be responsible for coordinating this work with the field project representative.
- The Contractor shall return all existing paving and driveways to original or better condition at no additional cost to the owner unless otherwise noted or specifically called out as a pay item.
- No discharge of groundwater into the raw water canal shall be allowed.

FILL/GRADING NOTES:

- General Contractor and all subcontractors shall verify the suitability of all existing and proposed site conditions including grades and dimensions before start of construction. The Engineer shall be notified immediately of any discrepancies.
- Before starting construction, Contractor shall verify benchmark elevation and notify Engineer of any discrepancy and/or conflict that is found.
- Contractor shall protect all manhole covers, valve covers, vault lids, fire hydrants, power poles, guy wires, telephone boxes that are to remain in place and undisturbed during construction.
- All existing concrete paving, sidewalk, and curb demolition shall be removed and disposed of by Contractor. Disposal shall be at an approved off-site, lawful location, unless directed otherwise by the Owner.
- Areas that are to receive fill shall be prepared as follows (No Separate Pay):
A. Areas that are to receive fill will be stripped to a depth of 3". Strippings shall be stockpiled and then spread evenly on surface of filled areas.
B. Prior to placement of fill on stripped areas, the Contractor shall proof roll using a pneumatic roller (12 ton or approved equal) (No Separate Pay). Should soft unstable areas appear, the Contractor shall remove unstable material as directed by the Engineer. The Contractor shall replace this with a suitable material compacted as required (No Separate Pay for a depth up to 1.5 foot).
C. Fill shall be placed in maximum loose lifts of eight inches (8") or less and compacted to a minimum density of 95% using AASHTO Standard Method T-99.

NO.	DATE	REVISIONS
		APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

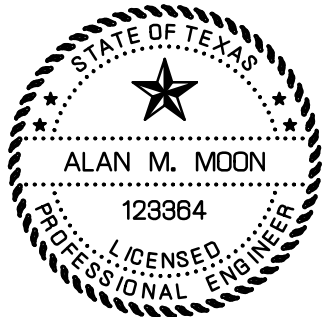
GULF COAST CANAL--CLAYBAR SIPHON

GENERAL CONSTRUCTION
NOTES



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SCALE: AS SHOWN DGN. BY: MAHMAD
DATE: AUGUST 2024 DWN. BY: SALVAREZ
JOB NO. 17314-0004-00 DWG. NO.
SUBMITTED: SURV. BY:
F.B. NO.



Alan Moon
9/11/2024

G2

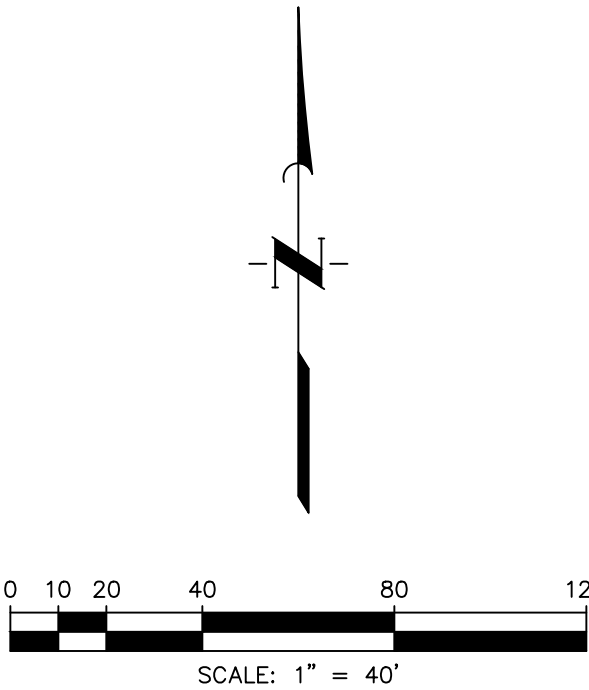
SHEET NO.2 OF 19

T.B.M. "A"
BEING A SQUARE CUT ON THE CONCRETE HEADWALL AT
THE SOUTHWEST CORNER OF A WATER CONTROL
STRUCTURE LOCATED ON THE SOUTH SIDE OF THE CANAL
APPROXIMATELY 1300' EAST OF CANAL INTERSECTION.

ELEVATION = 27.43 FEET, NAVD 88

T.B.M. "B"
BEING A PK NAIL WITH SHINER SET AT THE NE CORNER
OF A WOODEN BRIDGE CROSSING THE DRAINAGE DITCH
APPROXIMATELY 300' SOUTH OF THE CANAL
INTERSECTION.

ELEVATION = 26.14 FEET, NAVID 88



NOTES:

1. Existing low water crossing will be removed prior to construction and will not be available for Contractor to use.

NO.	DATE	REVISIONS	APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

EXISTING SITE PLAN



QUIDDITY

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SCALE: AS SHOWN

OGN. BY: MAHMAD

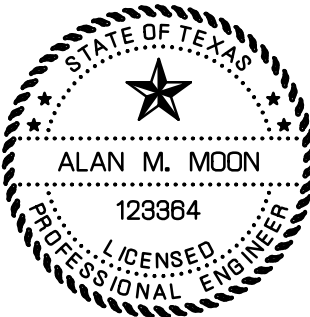
DATE: AUGUST 20

DOWN. BY: SALVAREZ

SUBMITTED:

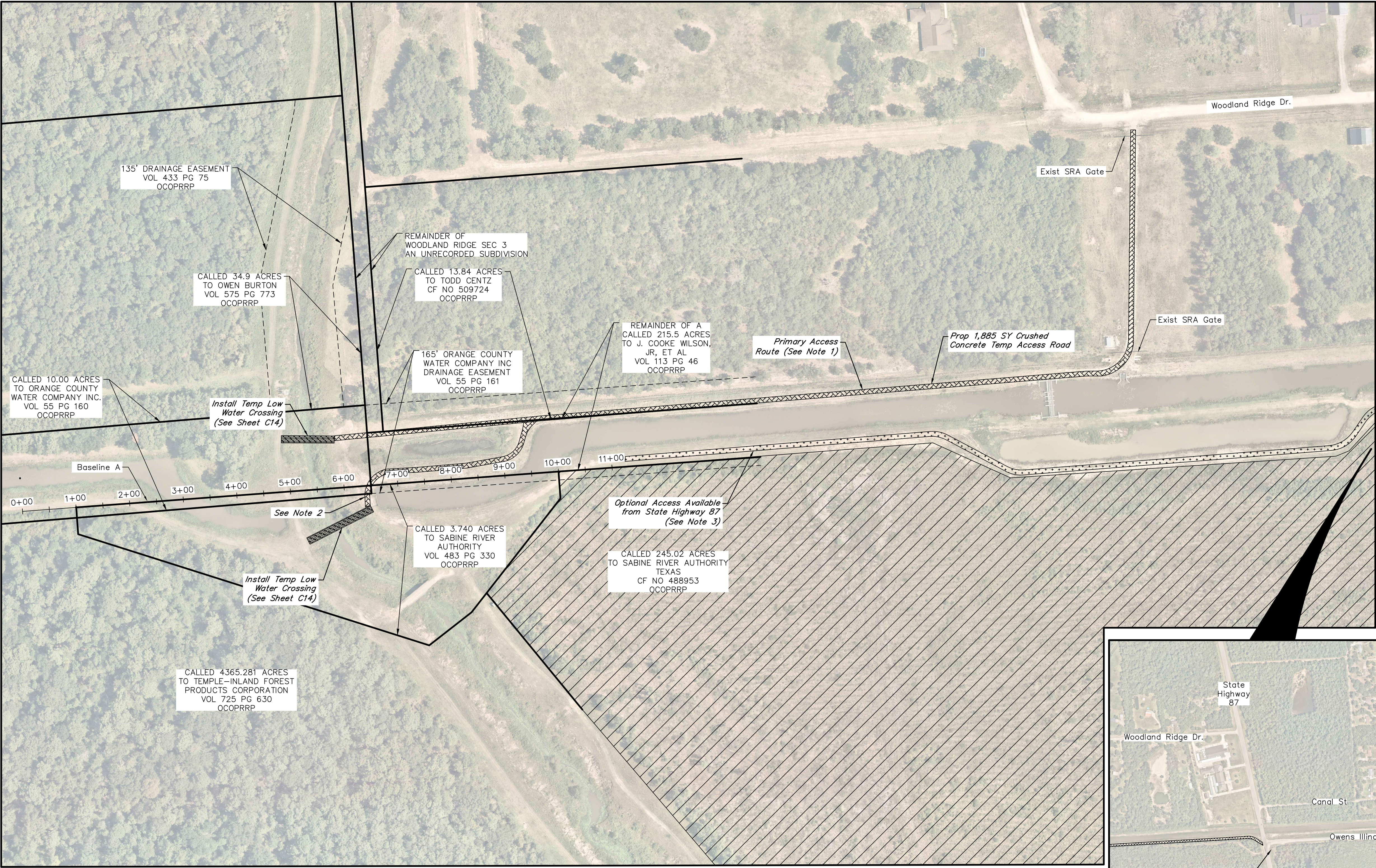
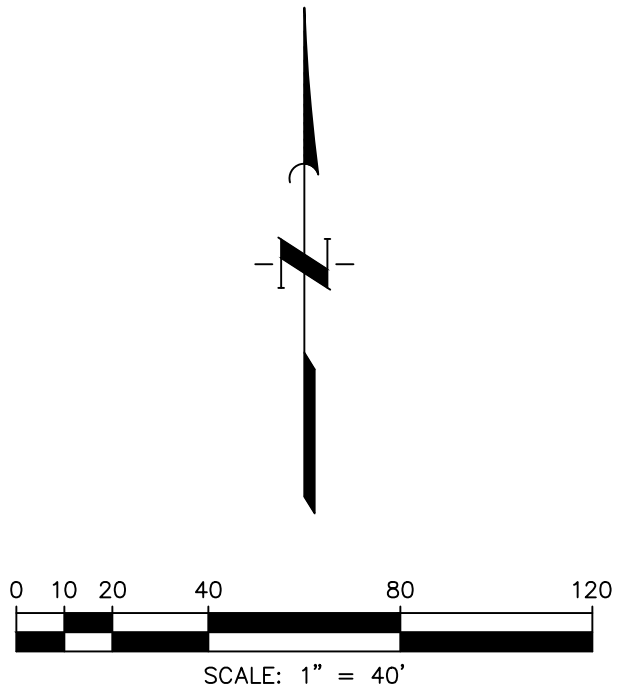
SURV. BY: _____

F.B. NO. _____

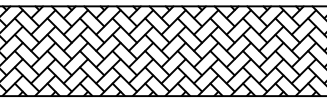
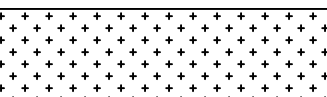



Alan Mason
9/11/2024

C1



LEGEND:

- Access Route 
- Optional Access Route 
- Prop Borrow and Staging Area 

NOTES:

- Contractor should use Woodland Ridge Dr and SRA property as the primary access route to the site. Contractor should ensure SRA's gates are closed and locked when not in use.
- For equipment crossing of existing siphons, Contractor to install construction matting over the existing siphons.
- The Contractor can use the canal's south maintenance berm as access from SH 87. Contractor can install temporary access road or matting as necessary, no separate pay.

NO.	DATE	REVISIONS	APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL—CLAYBAR SIPHON

**ACCESS ROUTE, STAGING,
AND CONSTRUCTABILITY**

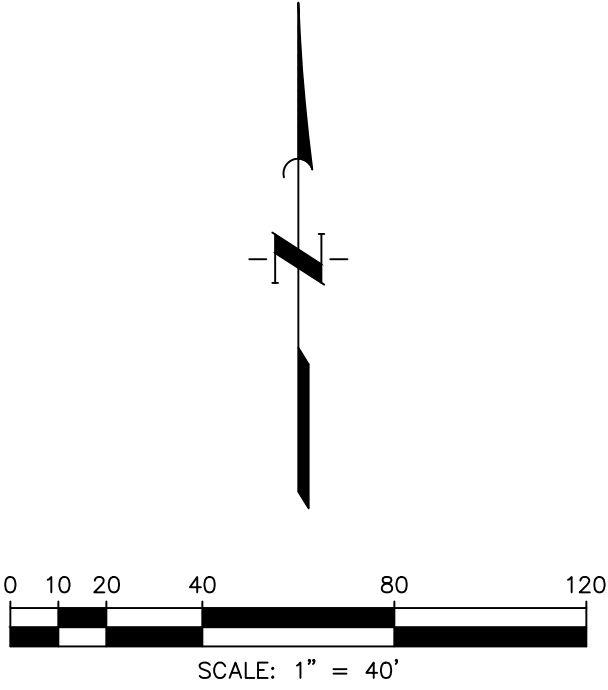
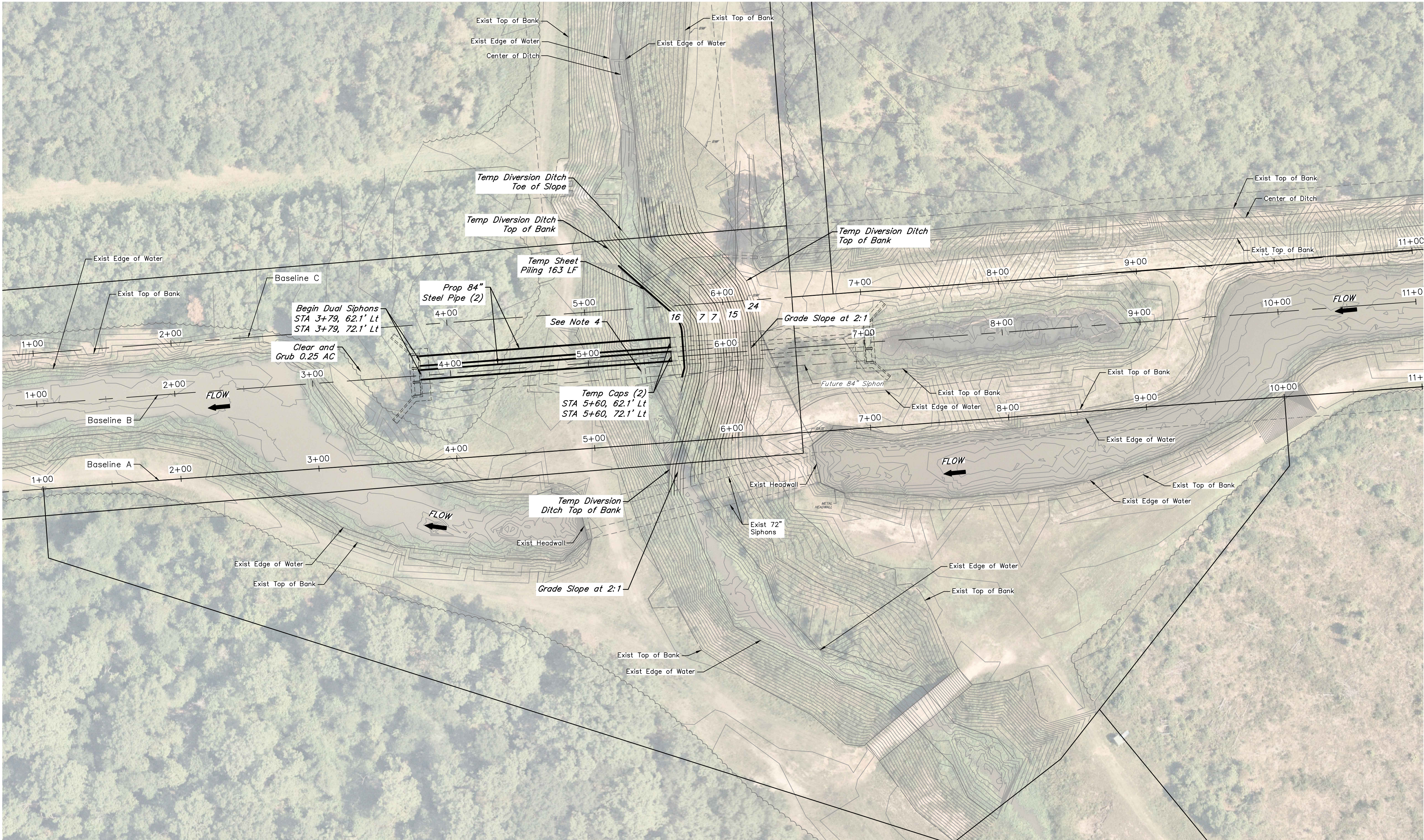


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JOB NO. 17314-0004-00 DWG. NO. _____
SUBMITTED: _____ SURV. BY: _____
F.B. NO. _____



Alan Moon
9/11/2024

	NORTHING	EASTING
BL A Sta 1+00	10,106,542.47	4,358,029.60
BL B Sta 1+00	10,106,513.88	4,358,024.77
BL C Sta 1+00	10,106,550.52	4,358,022.04



BENCHMARK
ELEVATIONS SHOWN HEREON ARE NAVD 88 AND BASED ON AN OPUS SOLUTION OF NATIONAL GEODETIC SURVEY BASE STATION DATA COLLECTED WITH A STATIC SURVEY ON APRIL 18, 2024. THE BASE STATIONS USED IN THE SOLUTION ARE, PID NUMBERS DM7838, DN4506, DK3579 AND BK1823.


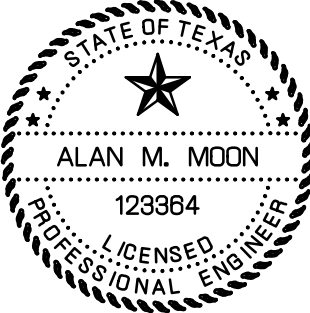
T.B.M. "A"
BEING A SQUARE CUT ON THE CONCRETE HEADWALL AT THE SOUTHWEST CORNER OF A WATER CONTROL STRUCTURE LOCATED ON THE SOUTH SIDE OF THE CANAL APPROXIMATELY 1300' EAST OF CANAL INTERSECTION.

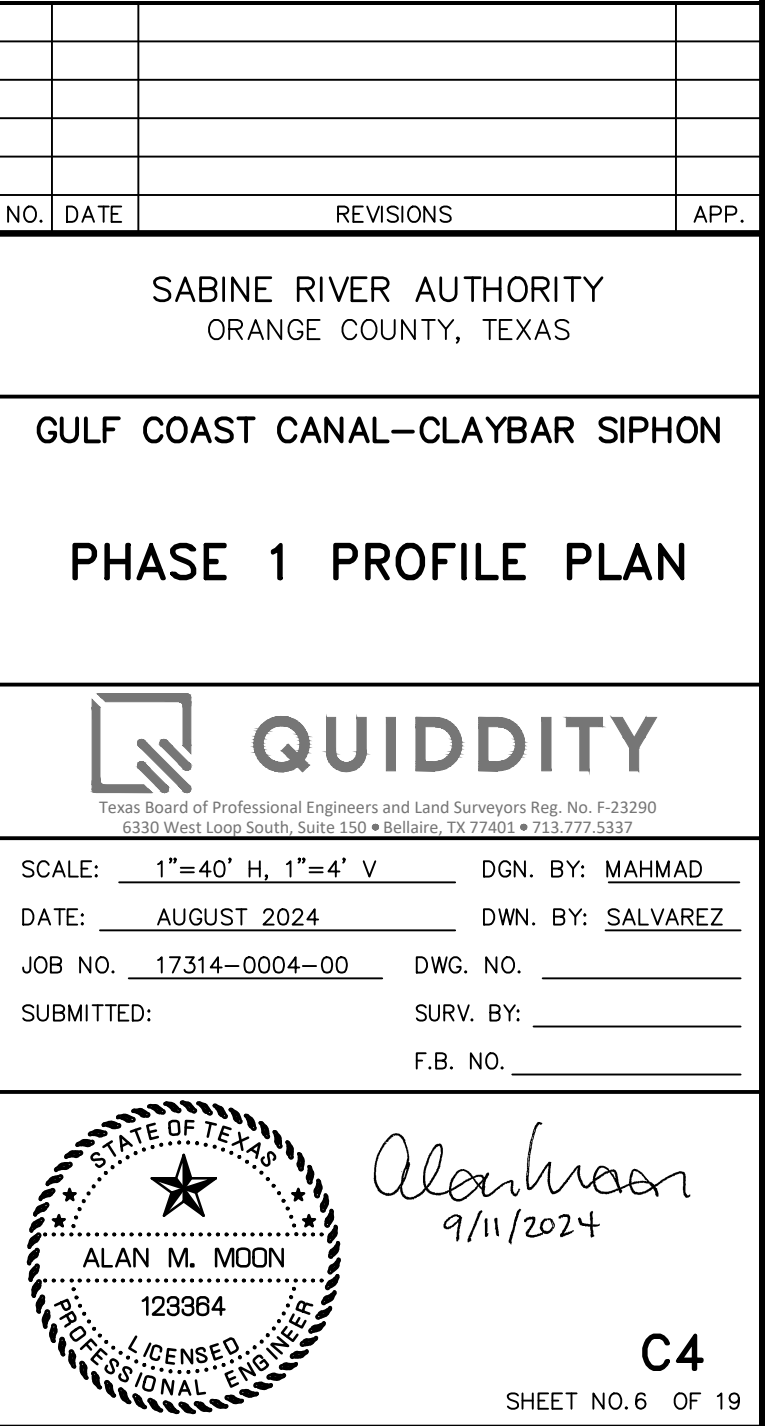
ELEVATION = 27.43 FEET, NAVD 88

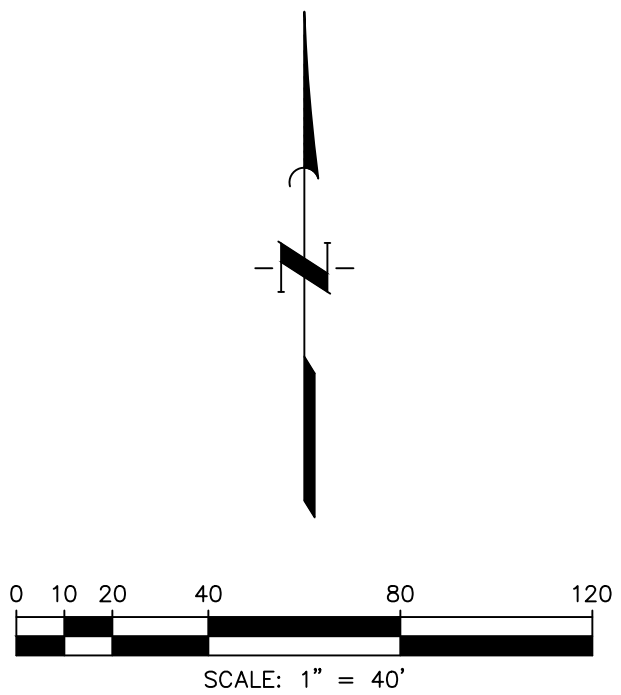
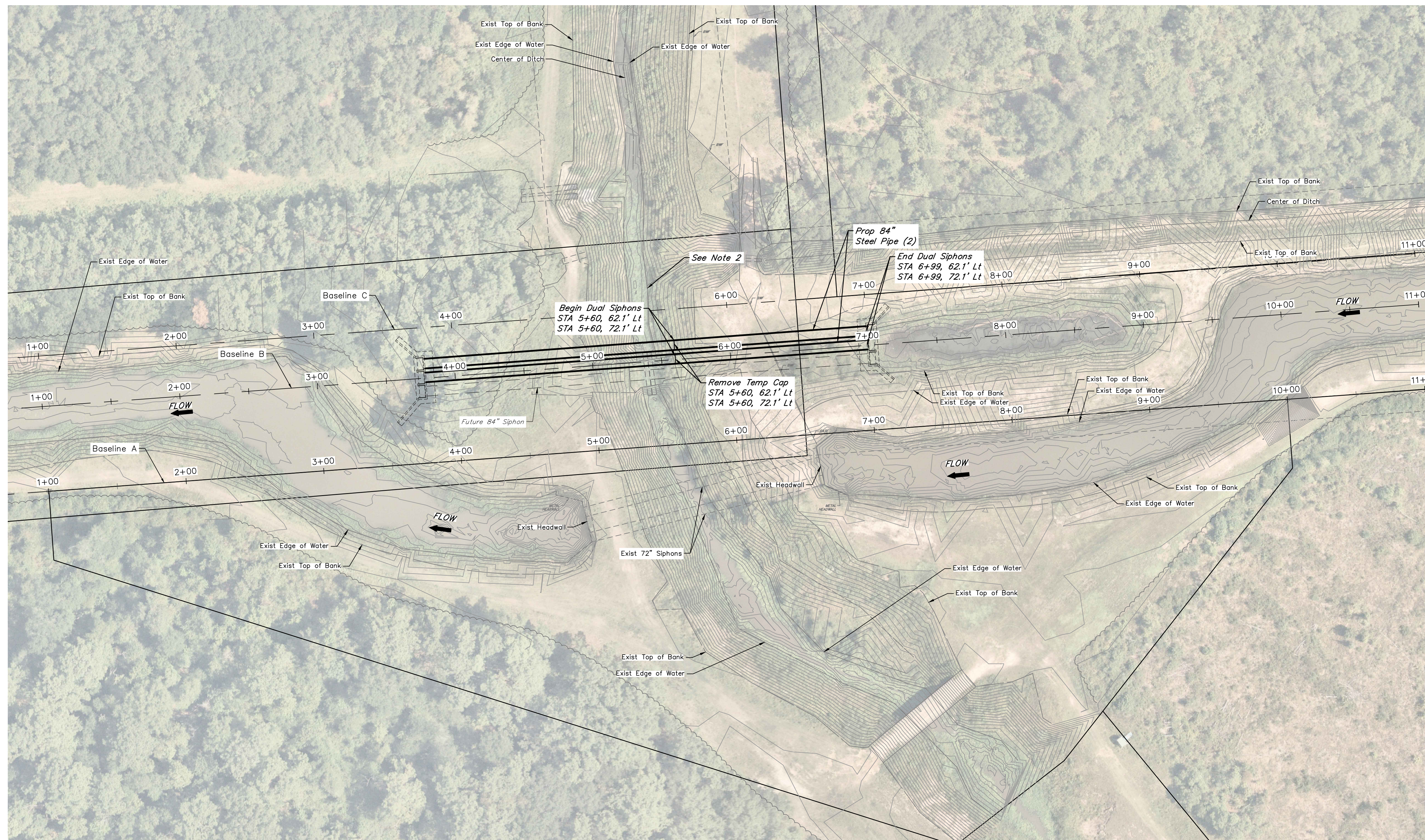
T.B.M. "B"
BEING A PK NAIL WITH SHINER SET AT THE NE CORNER OF A WOODEN BRIDGE CROSSING THE DRAINAGE DITCH APPROXIMATELY 300' SOUTH OF THE CANAL INTERSECTION.

ELEVATION = 26.14 FEET, NAVD 88

- NOTES:**
1. The existing SRA canal must remain operational at all times until the new crossing has been completed and tested. Contractor is not permitted to discharge groundwater into the raw water canal.
 2. Contractor to provide steel sheet piling in accordance with Section 02911 or approved equal. The sheet piling shall have a top elevation of 17.5' or higher.
 3. Contractor to install temporary OCDD diversion ditch as shown on drawings. After diversion is completed, install dual 84" steel pipes by open cut.
 4. Existing low water crossing will be removed prior to construction and will not be available for Contractor to use.

NO.	DATE	REVISIONS
		APP.
SABINE RIVER AUTHORITY ORANGE COUNTY, TEXAS		
GULF COAST CANAL—CLAYBAR SIPHON		
PHASE 1 PLAN VIEW		
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SCALE:	AS SHOWN	DGN. BY: MAHMAD
DATE:	AUGUST 2024	DWN. BY: SALVAREZ
JOB NO.	17314-0004-00	DWG. NO.
SUBMITTED:		SURV. BY:
		F.B. NO.
 ALAN M. MOON 123364 LICENSED PROFESSIONAL ENGINEER		
ALAN M. MOON 9/11/2024		
C3		
SHEET NO. 5 OF 19		





BENCHMARK
ELEVATIONS SHOWN HEREON ARE NAVD 88 AND
BASED ON AN OPUS SOLUTION OF NATIONAL
GEODETIC SURVEY BASE STATION DATA COLLECTED
WITH A STATIC SURVEY ON APRIL 18, 2024. THE
BASE STATIONS USED IN THE SOLUTION ARE, PID
NUMBERS DM7838, DN4506, DK3579 AND BK1823.

T.B.M. "A"
BEING A SQUARE CUT ON THE CONCRETE
HEADWALL AT THE SOUTHWEST CORNER OF A
WATER CONTROL STRUCTURE LOCATED ON THE
SOUTH SIDE OF THE CANAL APPROXIMATELY 1300'
EAST OF CANAL INTERSECTION.

ELEVATION = 27.43 FEET, NAVD 88

T.B.M "B"
BEING A PK NAIL WITH SHINER SET AT THE NE
CORNER OF A WOODEN BRIDGE CROSSING THE
DRAINAGE DITCH APPROXIMATELY 300' SOUTH OF
THE CANAL INTERSECTION.

ELEVATION = 26.14 FEET, NAVD 88

NOTES:

1. The existing SRA canal must remain operational at all times until the new crossing has been completed and tested. Contractor is not permitted to discharge groundwater into the raw water canal.
2. Remove temporary sheet piling and restore OCDD ditch existing conditions. Install dual 84" steel siphons from Temp Caps to the East Headwall

NO.	DATE	REVISIONS	APP.

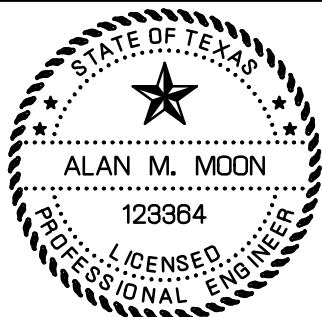
SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

PHASE 2 PLAN VIEW



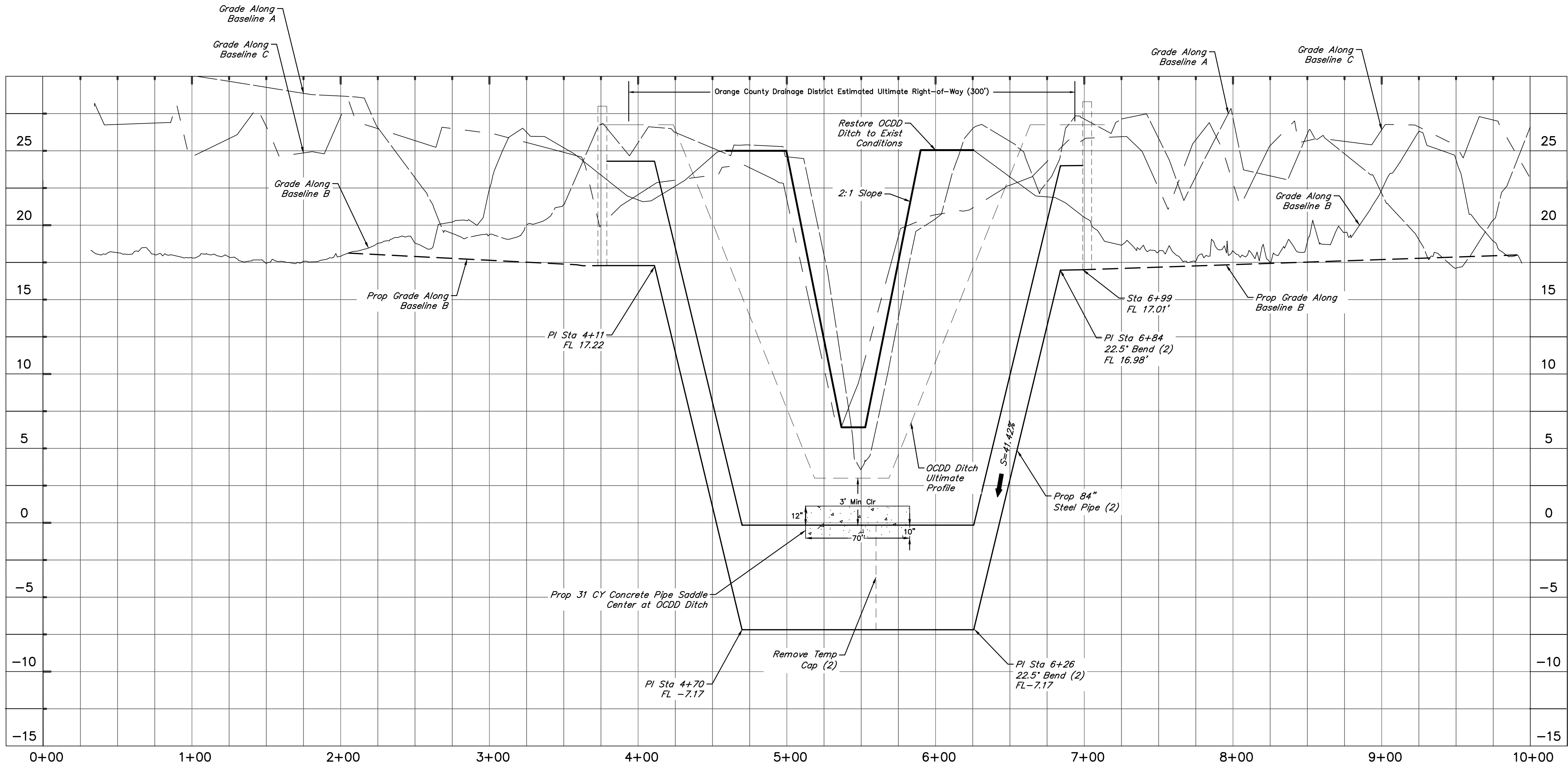
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DATE: AUGUST 2024 DWN. BY: SALVAREZ
JOB NO. 17314-0004-00 DWG. NO. _____
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Alan Mason
9/11/2024

C5

SHEET NO.7 OF 19



NO.	DATE	REVISIONS
		APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

PHASE 2 PROFILE VIEW

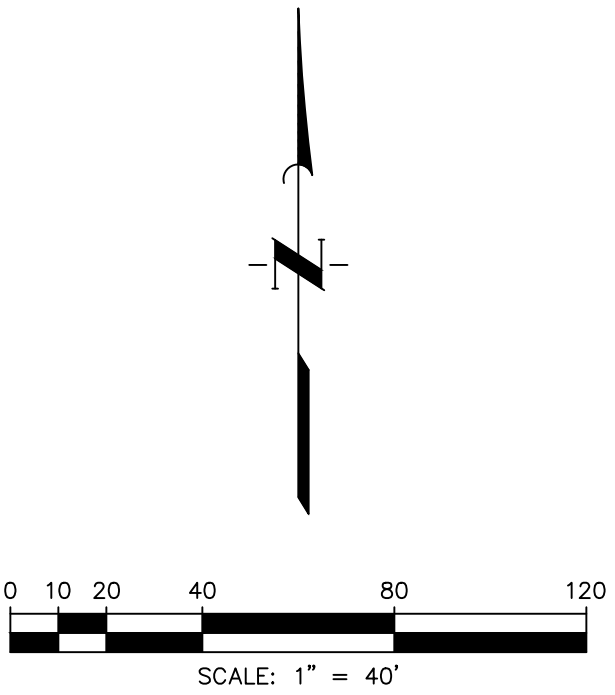
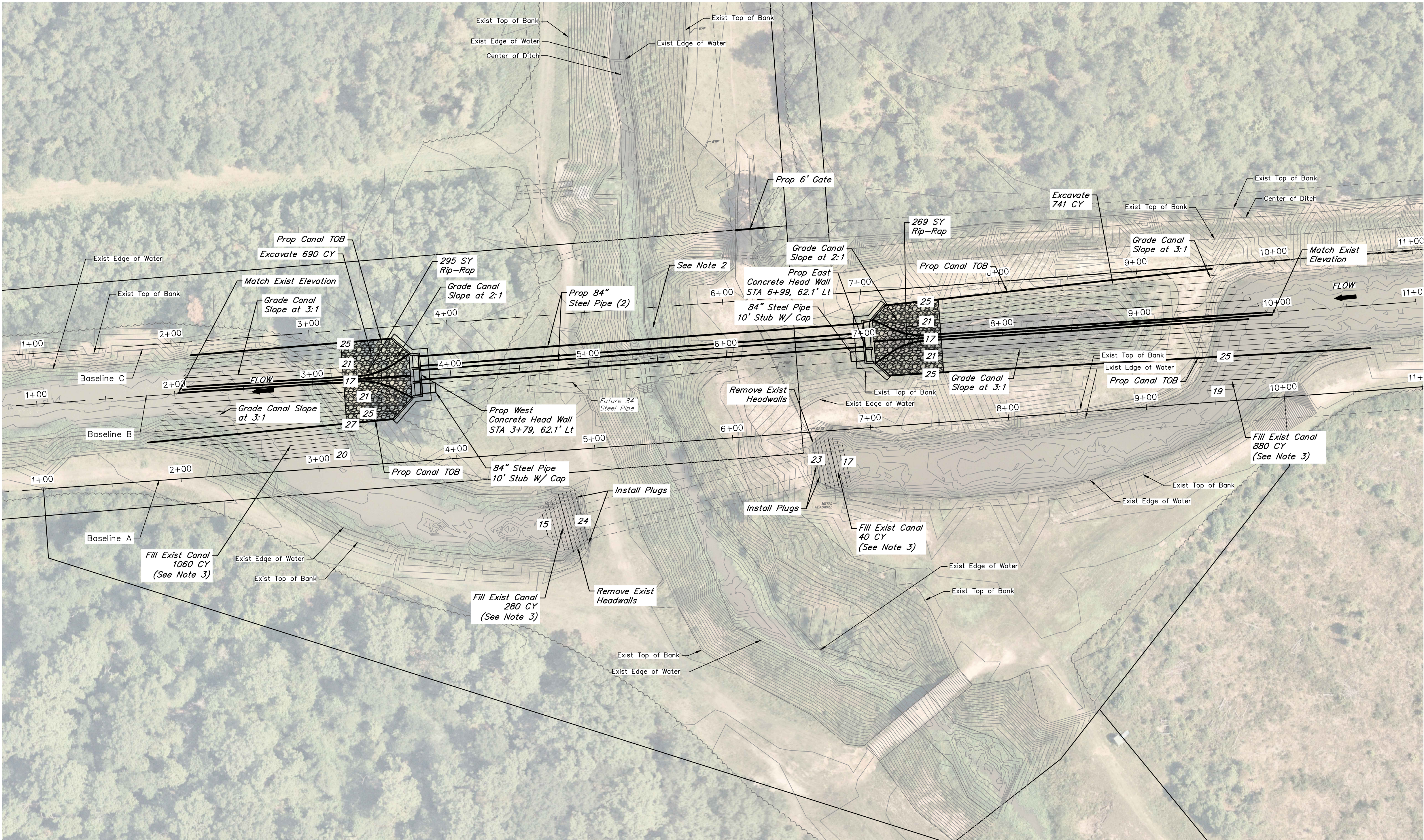


SCALE: 1"=40' H, 1"=4' V DGN. BY: MAHMAD
DATE: AUGUST 2024 DWN. BY: SALVAREZ
JOB NO. 17314-0004-00 DWG. NO.
SUBMITTED: SURV. BY:
F.B. NO.

ALAN M. MOON
123364
PROFESSIONAL ENGINEER
9/11/2024

C6

SHEET NO.8 OF 19



BENCHMARK
ELEVATIONS SHOWN HEREON ARE NAVD 88 AND BASED ON AN OPUS SOLUTION OF NATIONAL GEODETIC SURVEY BASE STATION DATA COLLECTED WITH A STATIC SURVEY ON APRIL 18, 2024. THE BASE STATIONS USED IN THE SOLUTION ARE: PID NUMBERS DM7838, DN4506, DK3579 AND BK1823.


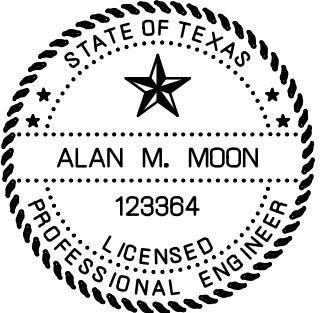
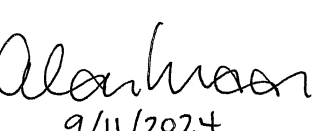
T.B.M. "A"
BEING A SQUARE CUT ON THE CONCRETE HEADWALL AT THE SOUTHWEST CORNER OF A WATER CONTROL STRUCTURE LOCATED ON THE SOUTH SIDE OF THE CANAL APPROXIMATELY 1300' EAST OF CANAL INTERSECTION.

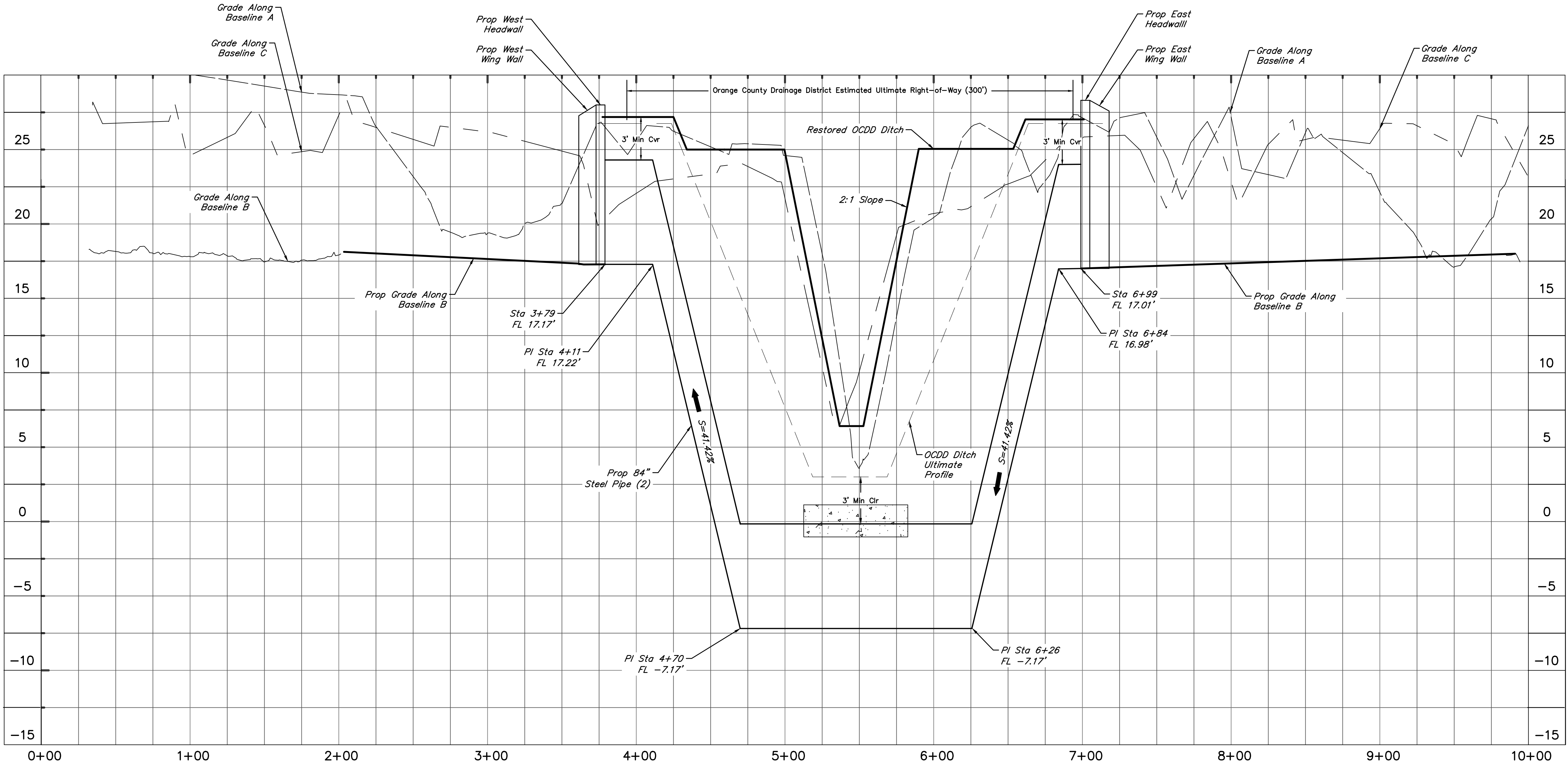
ELEVATION = 27.43 FEET, NAVD 88

T.B.M. "B"
BEING A PK NAIL WITH SHINER SET AT THE NE CORNER OF A WOODEN BRIDGE CROSSING THE DRAINAGE DITCH APPROXIMATELY 300' SOUTH OF THE CANAL INTERSECTION.

ELEVATION = 26.14 FEET, NAVD 88

- NOTES:
1. The existing drainage ditch canal must remain operational at all times until the new crossing has been completed and tested. Contractor is not permitted to discharge groundwater into the raw water canal.
 2. Restore OCDD Ditch to existing conditions
 3. Contractor to fill area to match proposed top of bank.
 4. Upon completion of the headwalls, testing of the siphons, and grading of the new canals, Contractor to transfer service to new crossing. After transfer is complete, Contractor can remove existing headwalls and backfill.

NO.	DATE	REVISIONS
		APP.
SABINE RIVER AUTHORITY ORANGE COUNTY, TEXAS		
GULF COAST CANAL-CLAYBAR SIPHON		
PHASE 3 PLAN VIEW		
 QUIDDITY <small>Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290 6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337</small>		
SCALE:	AS SHOWN	DGN. BY: MAHMAD
DATE:	AUGUST 2024	DWN. BY: SALVAREZ
JOB NO.	17314-0004-00	DWG. NO.
SUBMITTED:		SURV. BY:
		F.B. NO.
  ALAN M. MOON 129364 9/11/2024		
C7		
SHEET NO. 9 OF 19		



NO.	DATE	REVISIONS
		APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

PHASE 3 PROFILE VIEW

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
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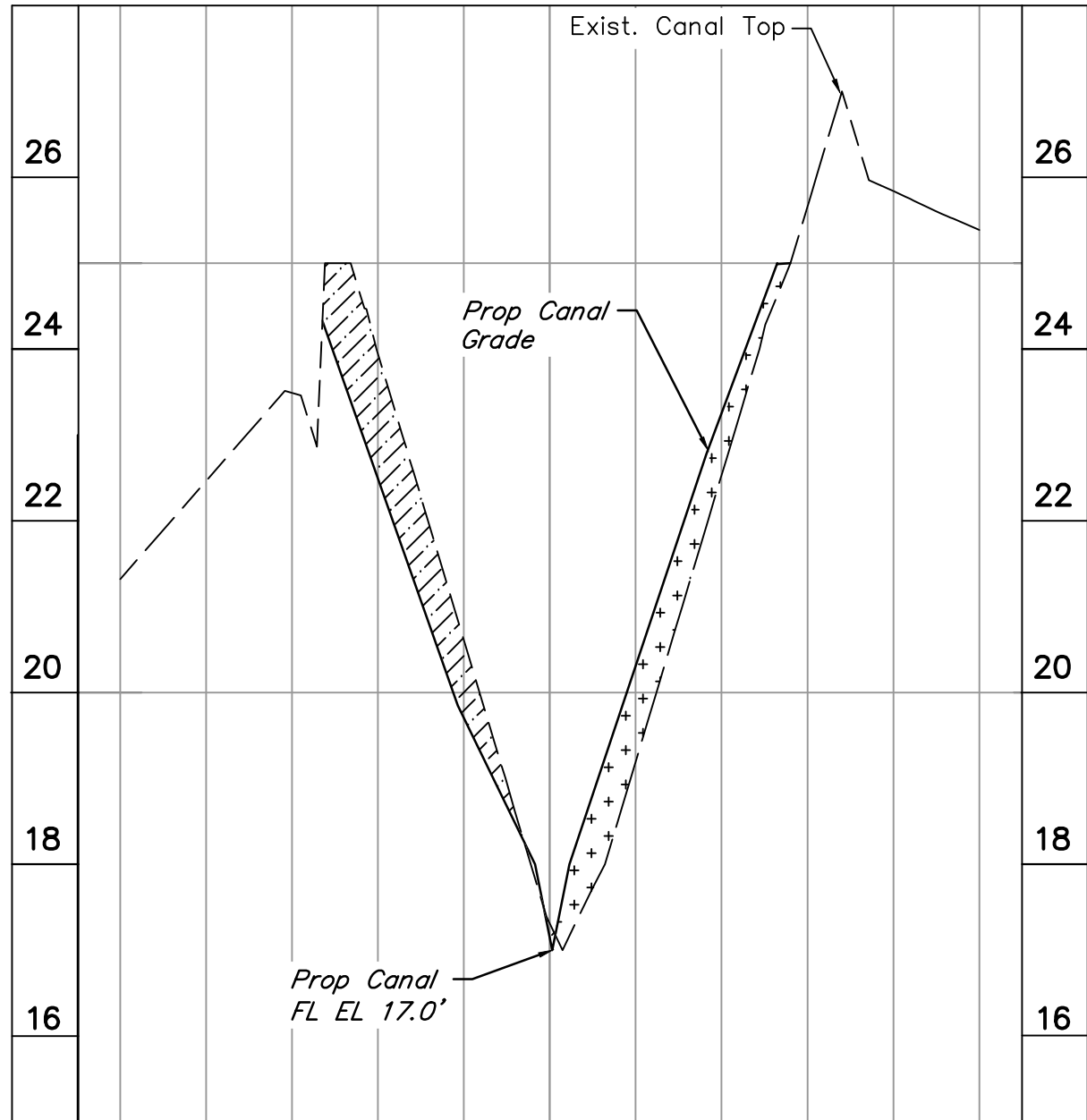
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DATE: AUGUST 2024 DWN. BY: SALVAREZ
JOB NO. 17314-0004-00 DWG. NO. _____
SUBMITTED: _____ SURV. BY: _____
F.B. NO. _____

ALAN M. MOON
123364
LICENSED PROFESSIONAL ENGINEER

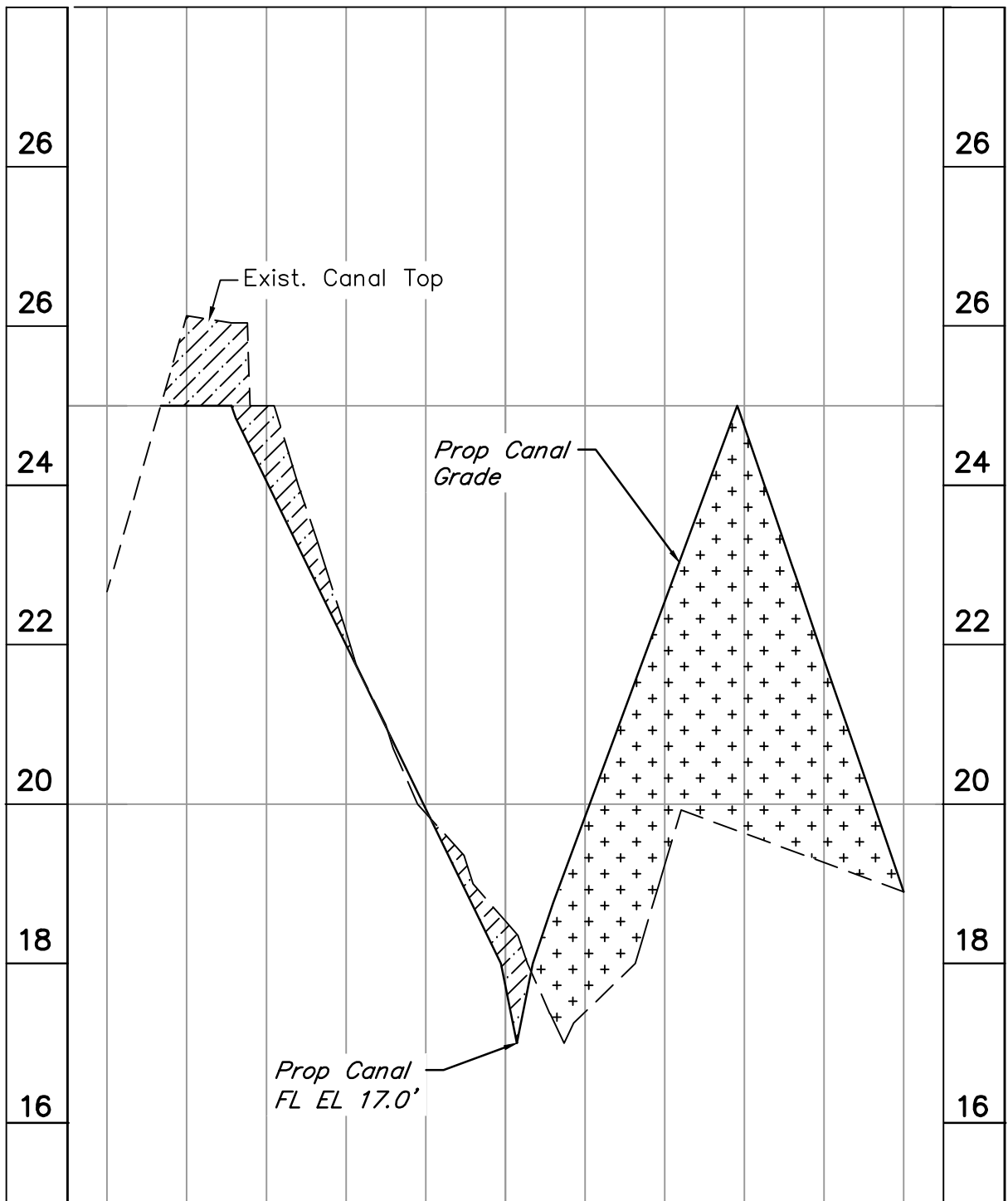
Alan Moon
9/11/2024

C8

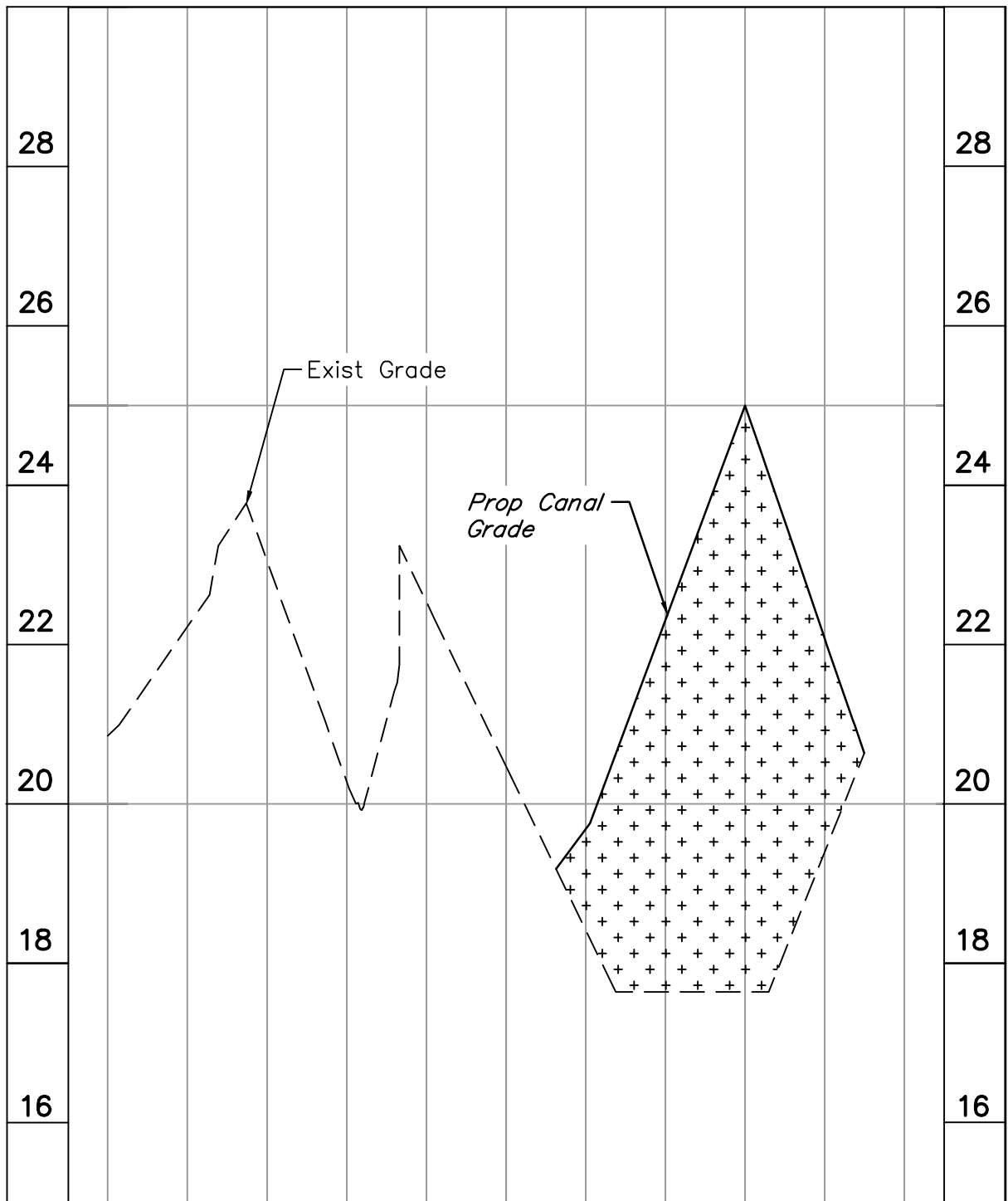
SHEET NO. 10 OF 19



BASELINE B SECTION 8+00
SCALE: HORZ 1" = 20'
VERT 1" = 2'

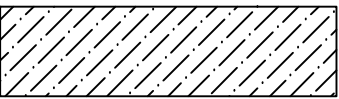


BASELINE B SECTION 9+50
SCALE: HORZ 1" = 20'
VERT 1" = 2'

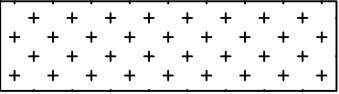


BASELINE B SECTION 10+00
SCALE: HORZ 1" = 20'
VERT 1" = 2'

LEGEND:



Proposed Cut



Proposed Fill

NO.	DATE	REVISIONS	APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

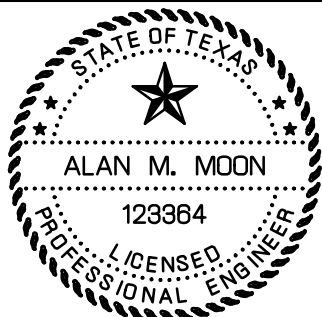
GULF COAST CANAL—CLAYBAR SIPHON
FINISHED GRADE
CROSS SECTIONS
SHEET 2 OF 2



QUIDDITY

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SCALE: AS SHOWN DGN. BY: MAHMAD
DATE: AUGUST 2024 DWN. BY: SALVAREZ
JOB NO. 17314-0004-00 DWG. NO.
SUBMITTED: SURV. BY:
F.B. NO.



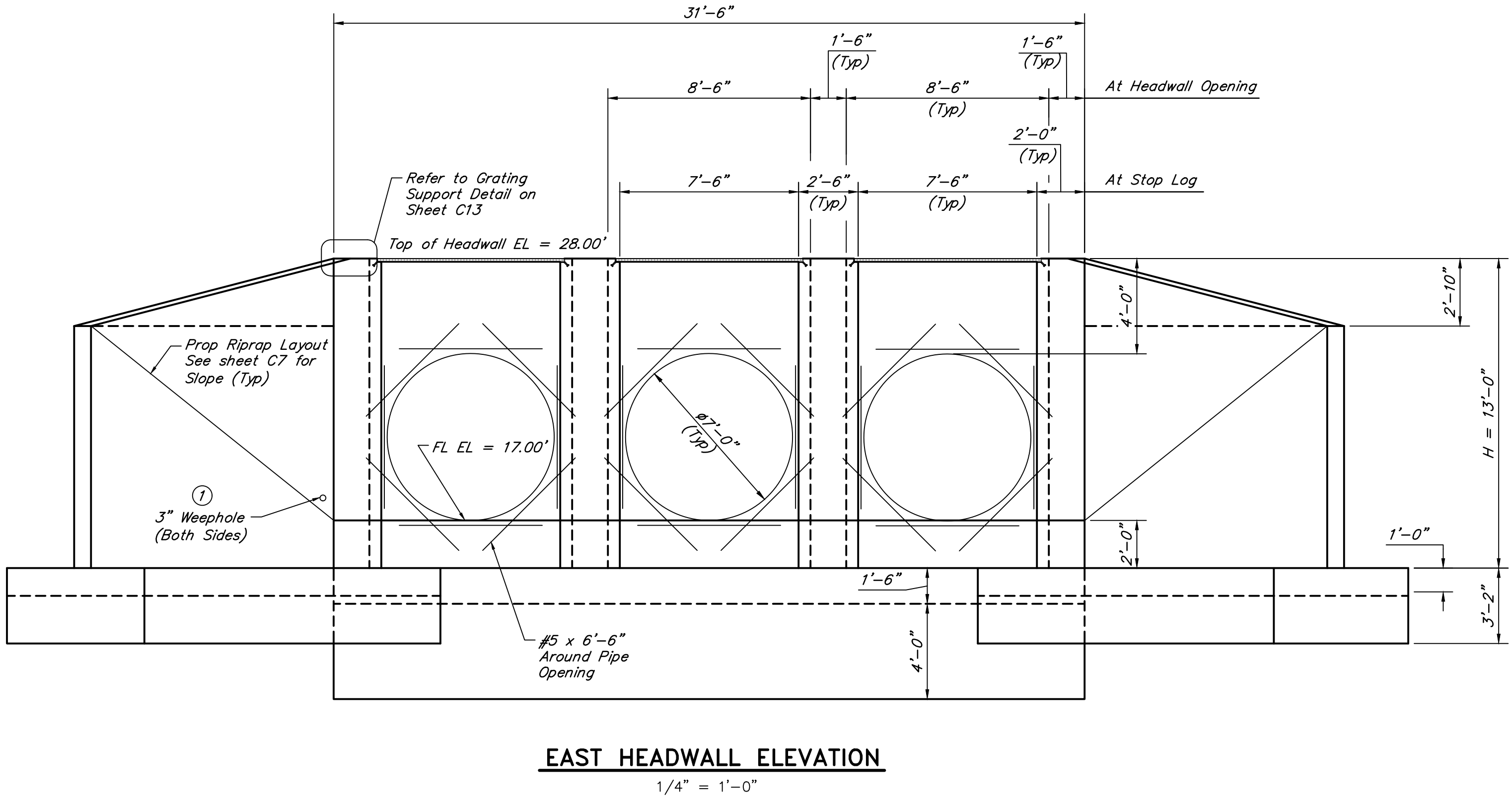
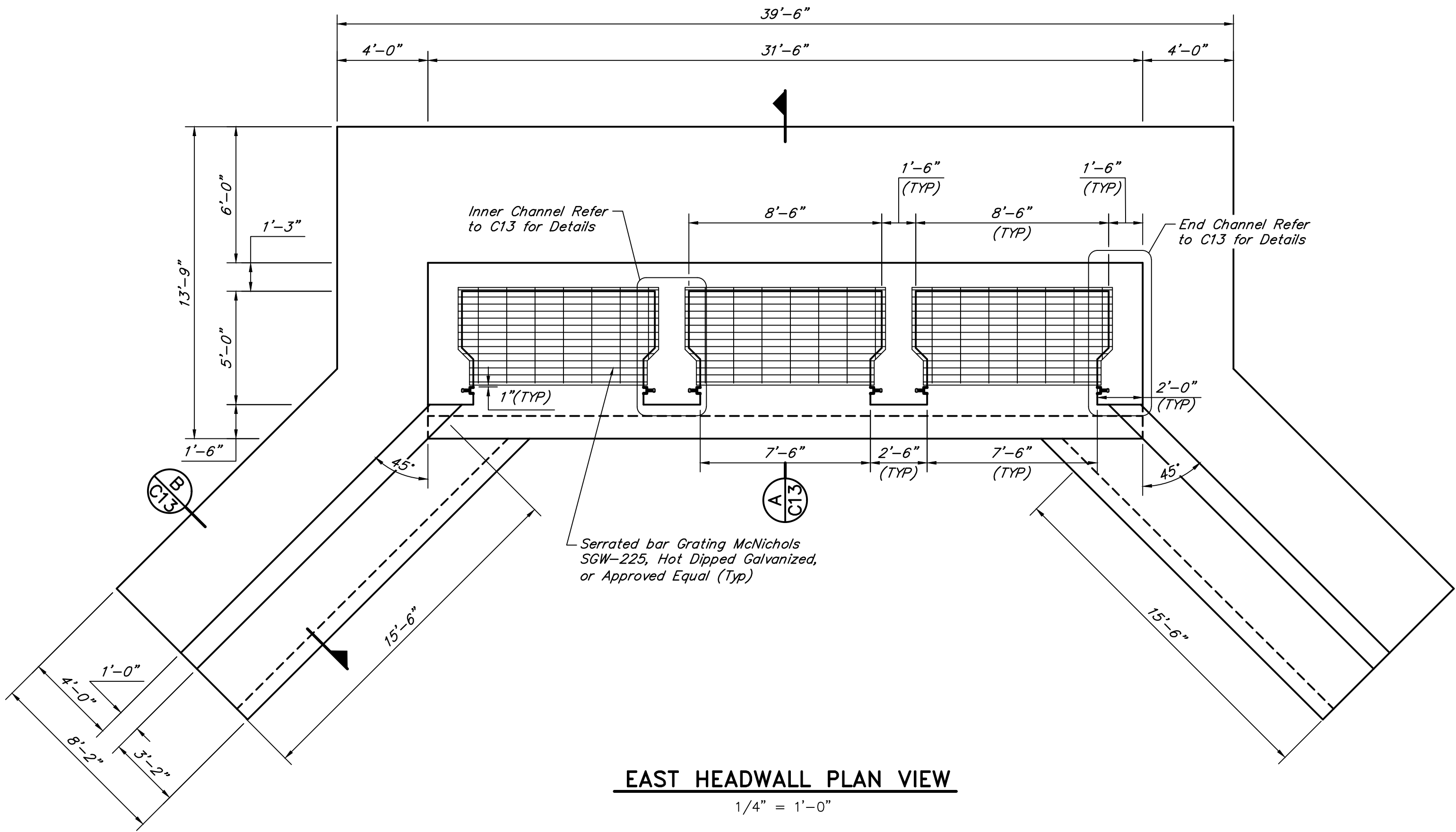
Alan Moon
9/11/2024

C10

SHEET NO.12 OF 19

NOTES:

1. Stop logs shall be provided by Owner.
2. Contractor shall coordinate with grating fabricator and with setting of concrete forms to ensure that the minimum specified clearance between the edge of grating and the edge of the stop log frame is provided. The stop log frames shall be accessible from the grating when the handrail/kickplate section is removed such that the stop logs can be installed and removed without impediment.



① Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel

NO.	DATE	REVISIONS	APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

EAST HEADWALL

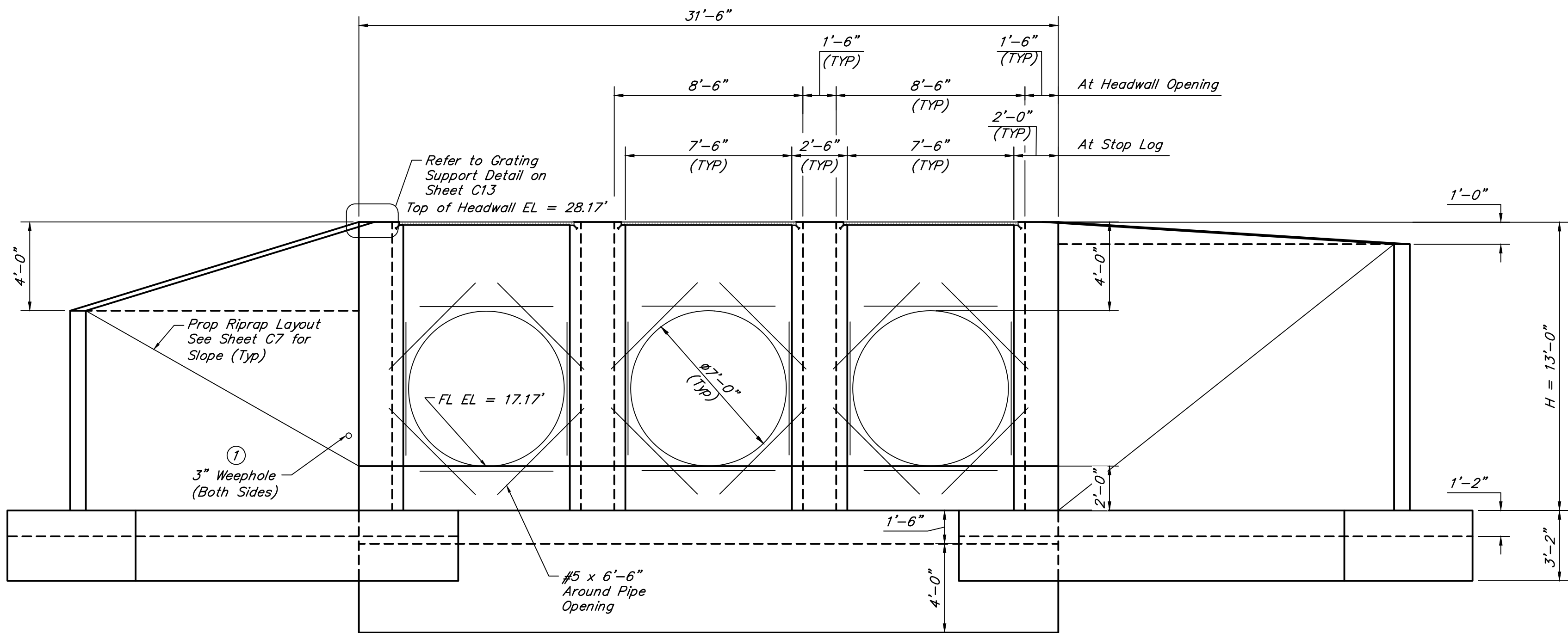
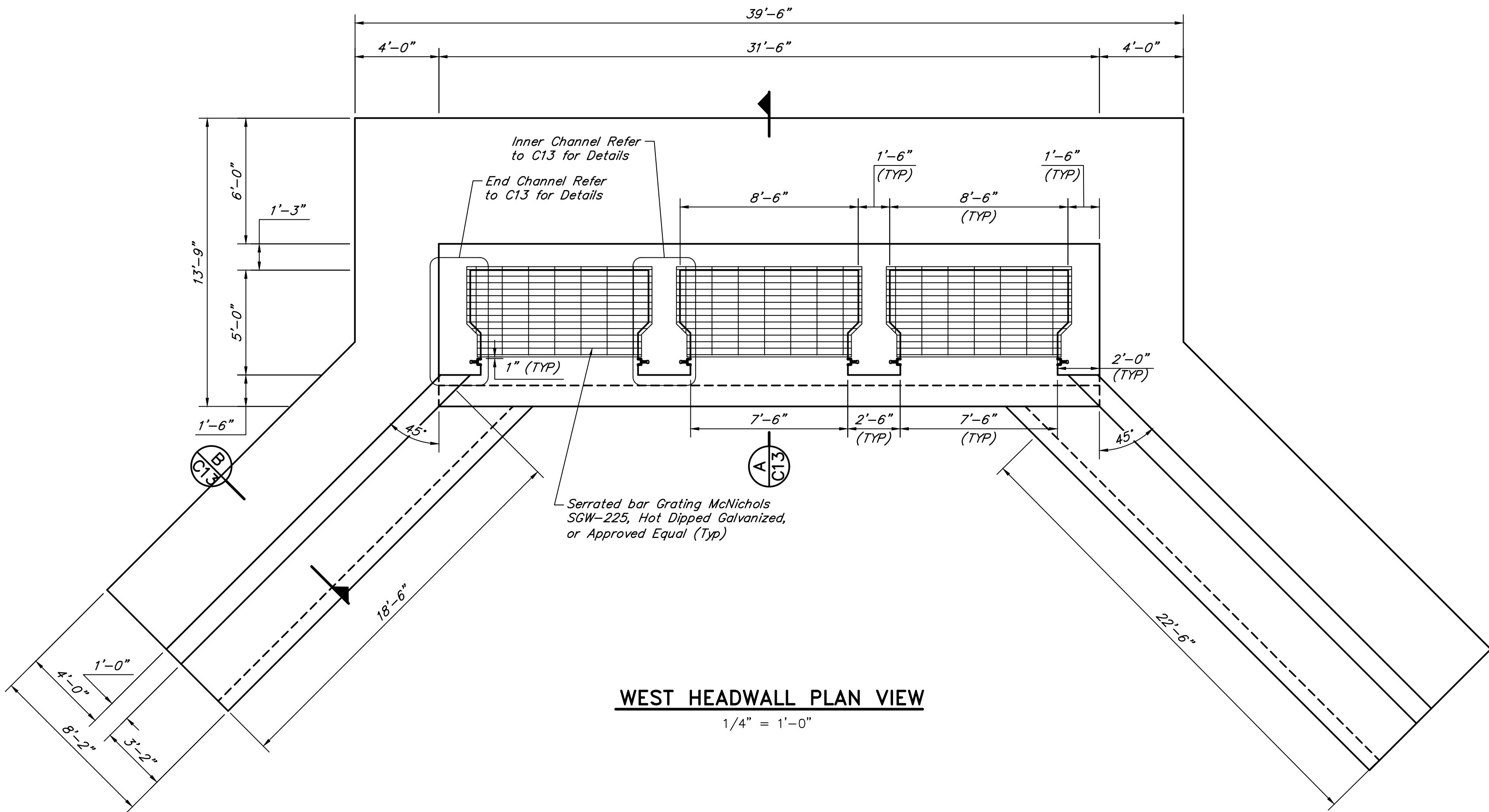
QUIDDITY
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SCALE: AS SHOWN DGN. BY: FFOROUZANIAN
DATE: AUGUST 2024 DWN. BY: SFUENTES
JOB NO. 17314-0004-00 DWG. NO.
SUBMITTED: SURV. BY:
F.B. NO.

STATE OF TEXAS
ALAN M. MOON
123884
LICENSED PROFESSIONAL ENGINEER

Alan Moon
9/11/2024

C11
SHEET NO.13 OF 19



① Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel

NOTES:

1. Stop logs shall be provided by Owner.
2. Contractor shall coordinate with grating fabricator and with setting of concrete forms to ensure that the minimum specified clearance between the edge of grating and the edge of the stop log frame is provided. The stop log frames shall be accessible from the grating when the handrail/kickplate section is removed such that the stop logs can be installed and removed without impediment.

NO.	DATE	REVISIONS	APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

WEST HEADWALL

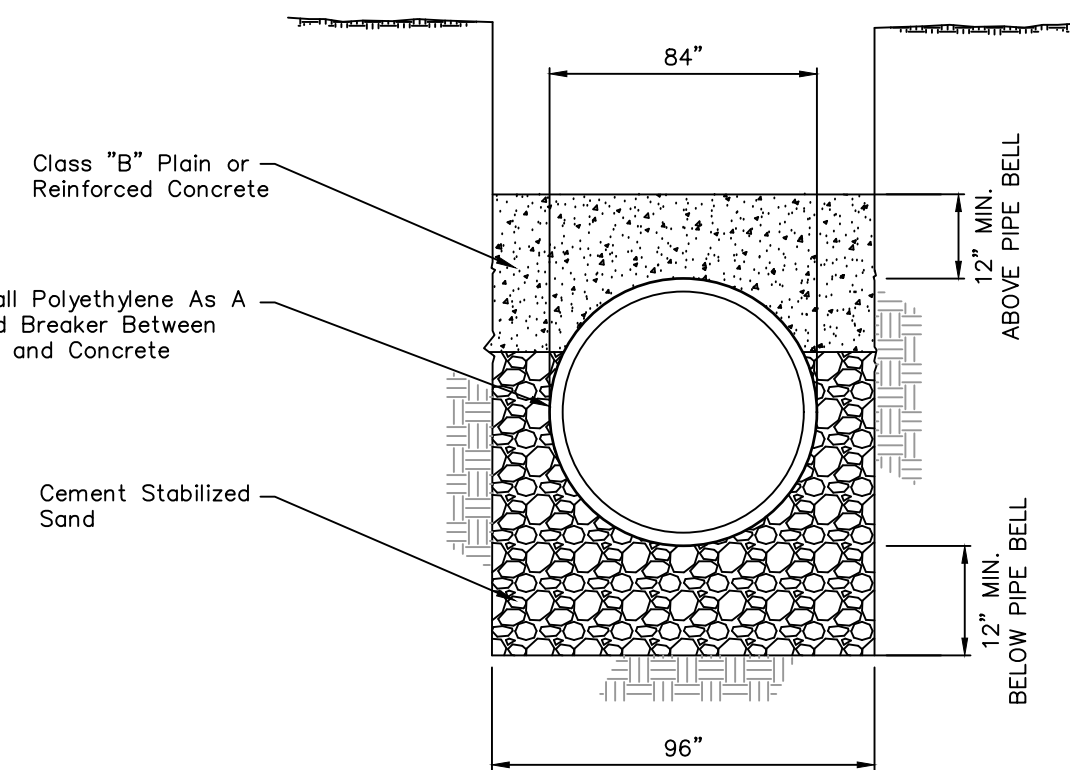
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SCALE: AS SHOWN DGN. BY: FFOROUZANIAN
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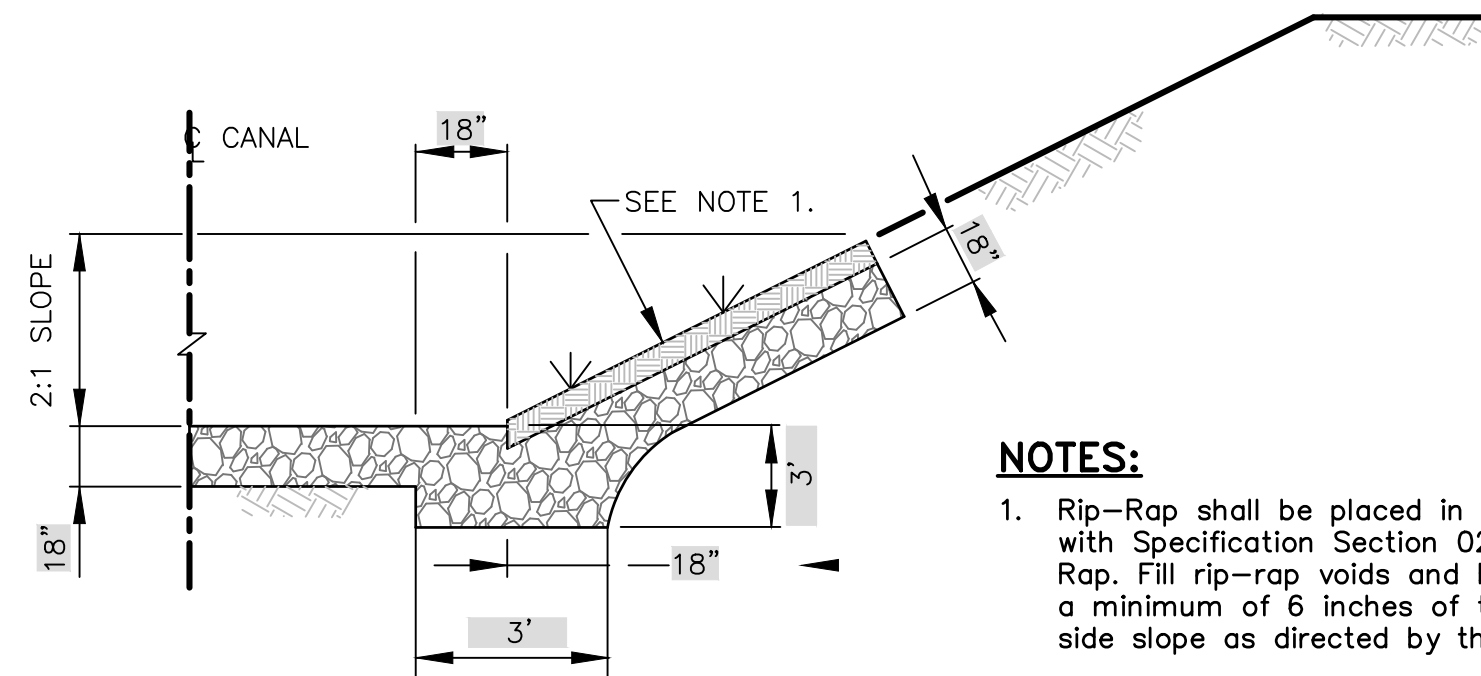
ALAN M. MOON
123884
LICENSED PROFESSIONAL ENGINEER

Alan Moon
9/11/2024

C12
SHEET NO. 14 OF 19

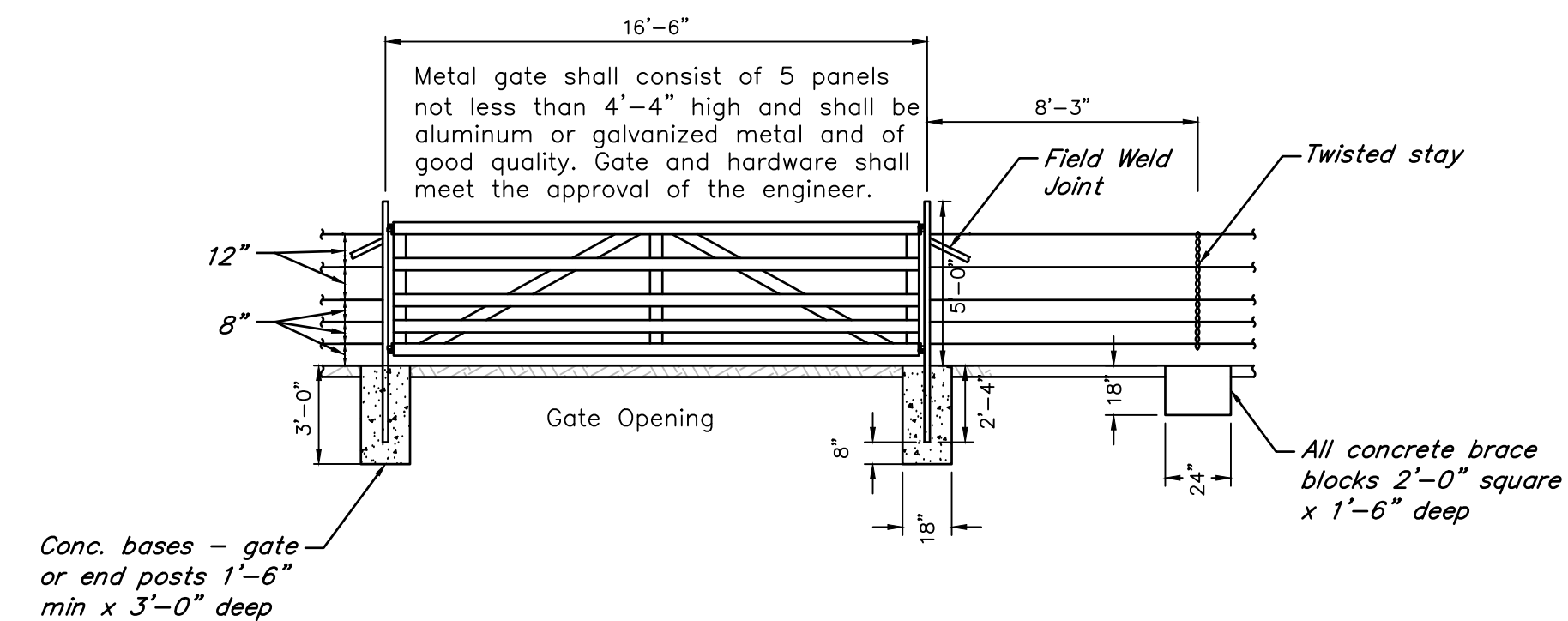


CONCRETE PIPE SADDLE
NOT TO SCALE



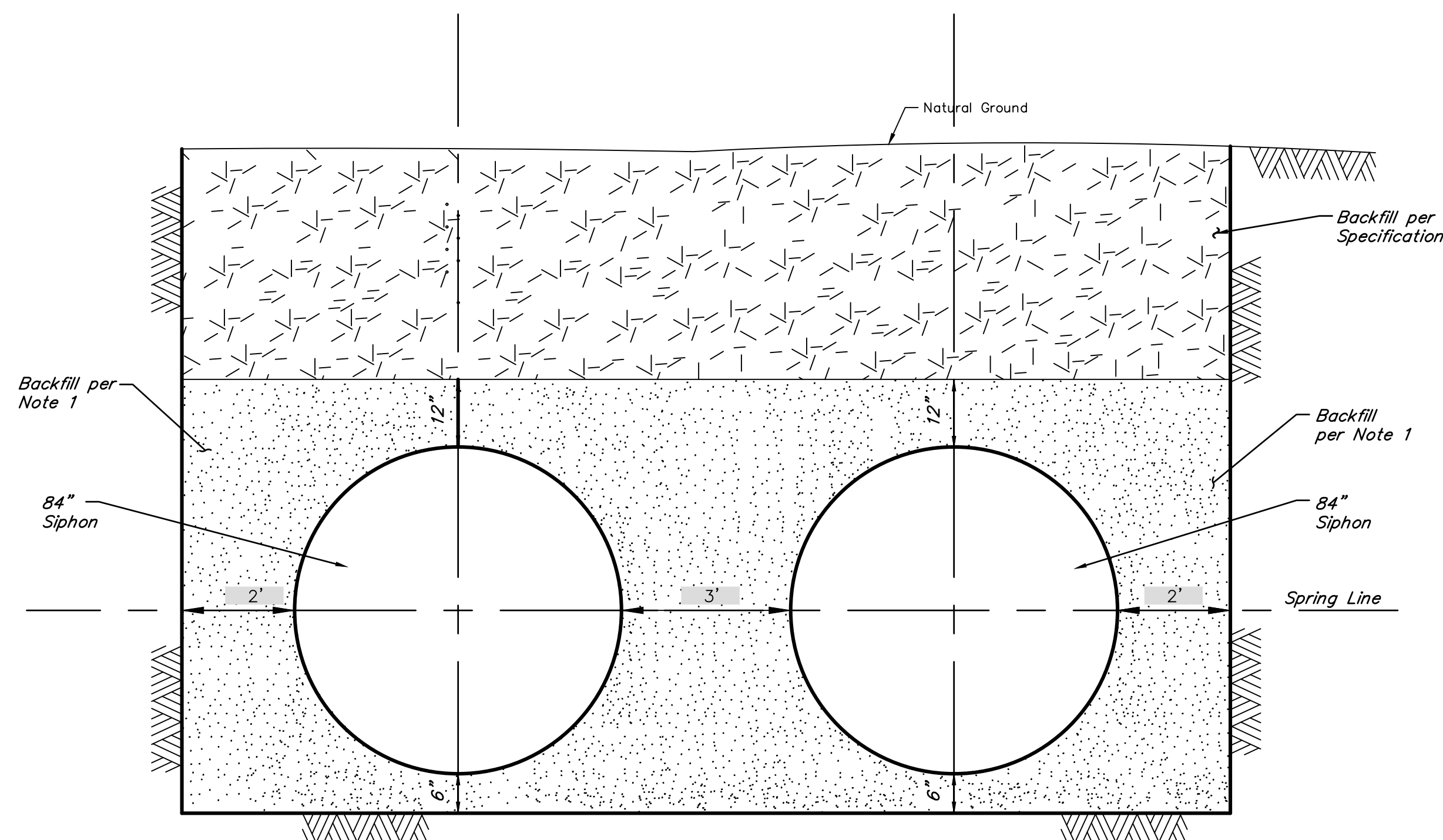
NOTES:

1. Rip-Rap shall be placed in accordance with Specification Section 02228-Rip Rap. Fill rip-rap voids and bury rip-rap a minimum of 6 inches of topsoil on side slope as directed by the Engineer.



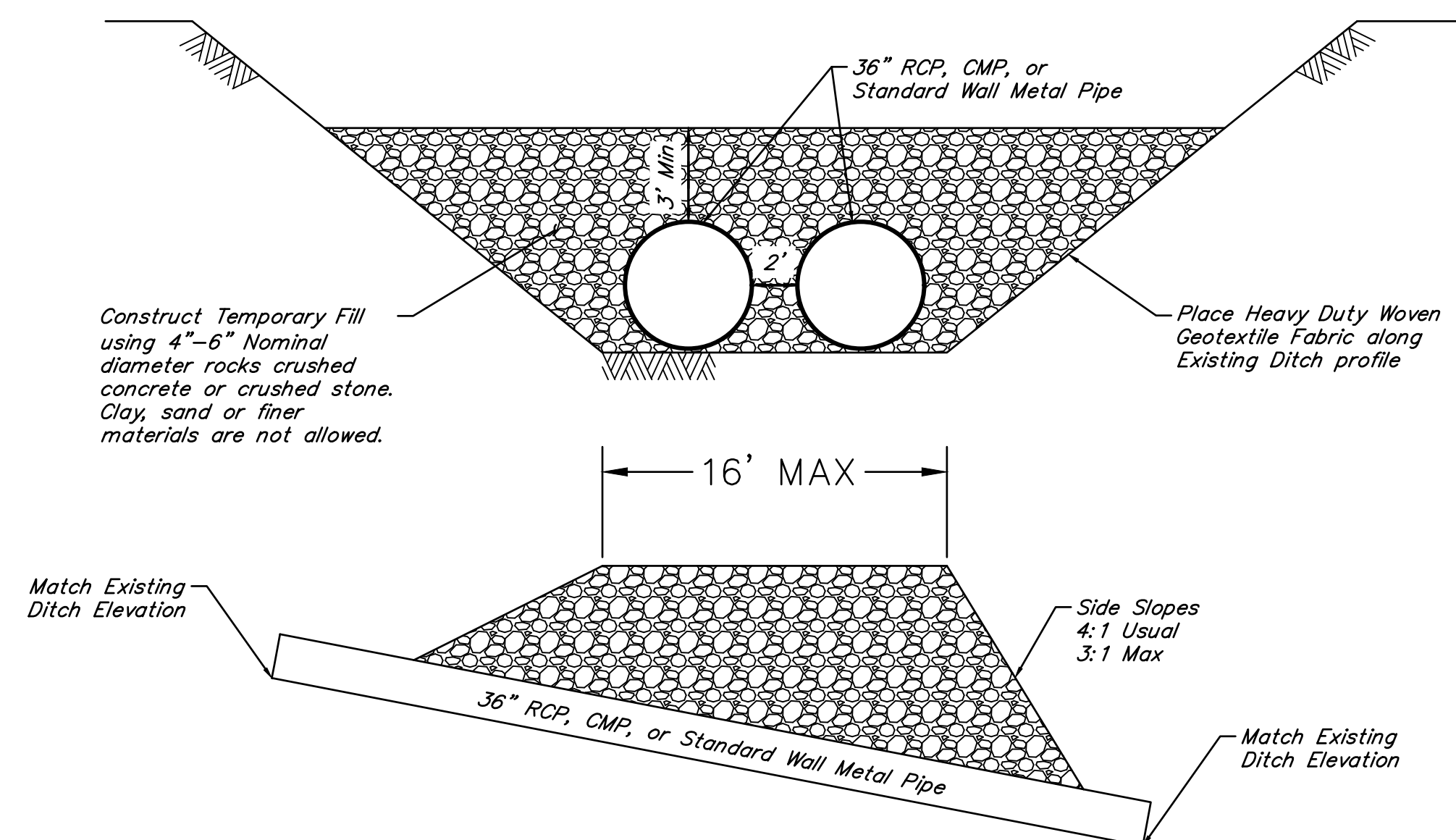
SECTION GALVANIZED BARBED WIRE
WITH METAL POSTS

NOT TO SCALE



NOTE 1
STA 0+00 - STA 3+77 Cement Stabilized Sand
STA 3+77 - STA 4+70 Select Fill
STA 4+70 - STA 6+26 Cement Stabilized Sand
STA 6+26 - STA 7+02 Select Fill
STA 7+02 - STA 11+00 Cement Stabilized Sand

BEDDING AND BACKFILL FOR STEEL PIPE SIPHONS (OPEN CUT CONSTRUCTION)



TEMPORARY LOW WATER CROSSING
NOT TO SCALE

NO.	DATE	REVISIONS	APP

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL-CLAYBAR SIPHON

MISCELLANEOUS DETAILS



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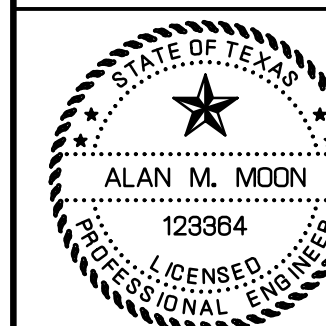
SCALE: AS SHOWN DGN. BY: MAHMAD

DATE: AUGUST 2024 DWN. BY: SALVAREZ

JOB NO. 17314-0004-00 DWG. NO. _____

SUBMITTED: _____ SURV. BY: _____

F.B. NO. _____



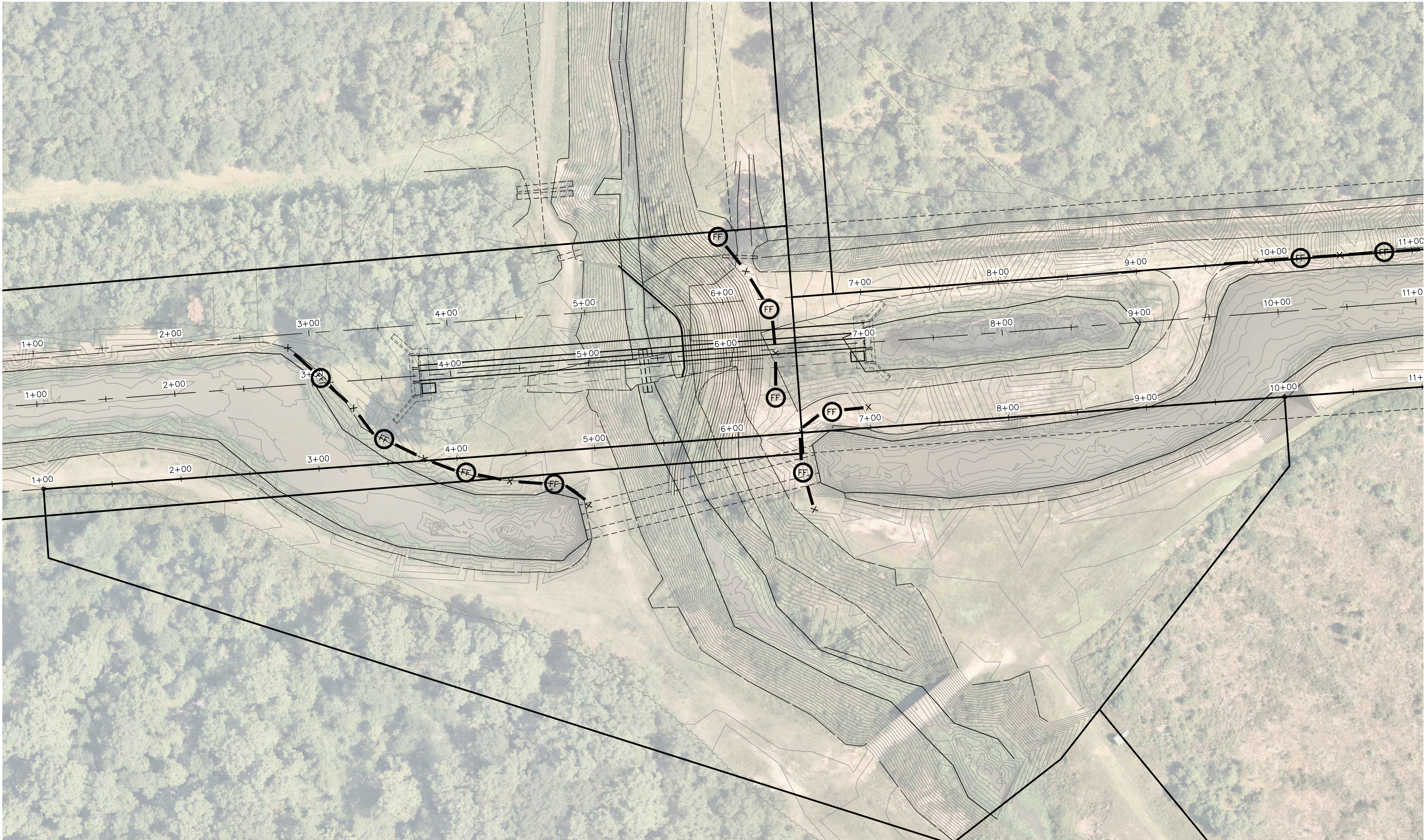
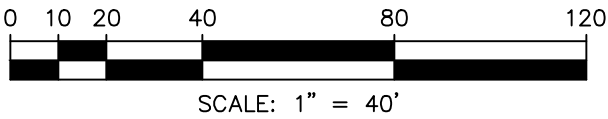
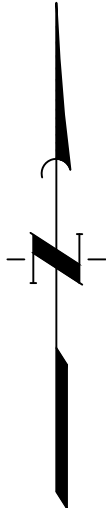
Alan Krasner
9/11/2024

C14

SHEET NO.16 OF 19

LEGEND:

X — (FF) — X FILTER FABRIC FENCE




NO.	DATE	REVISIONS
		APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL—CLAYBAR SIPHON

STORM WATER POLLUTION
PREVENTION PLAN

SHEET 1 OF 3

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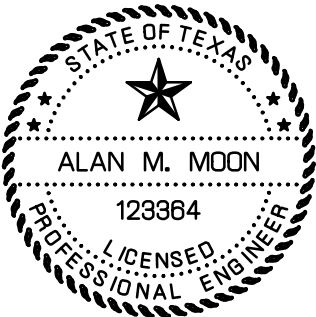
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DATE: AUGUST 2024 DWN. BY: SALVAREZ

JOB NO. 17314-0004-00 DWG. NO.

SUBMITTED: SURV. BY:

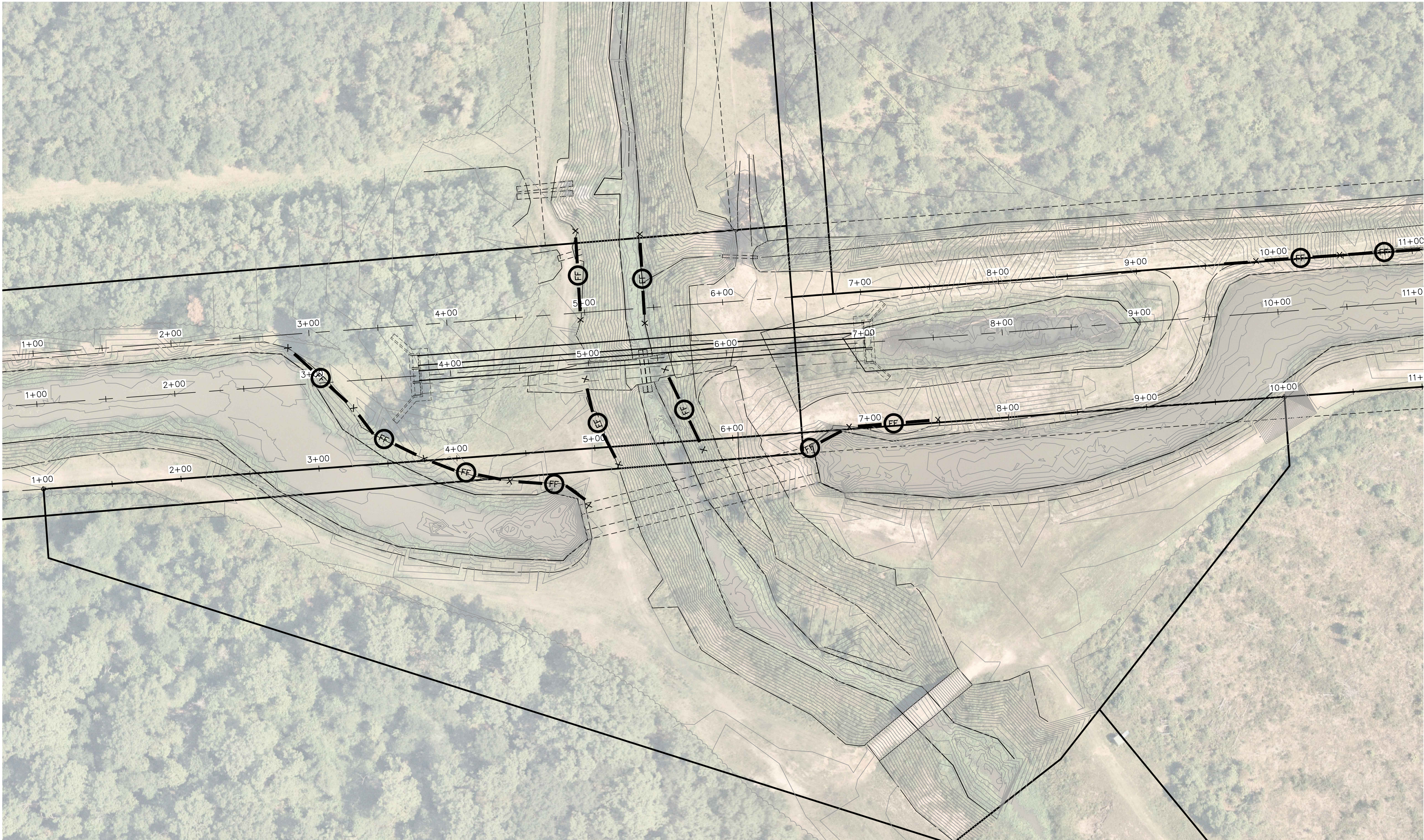
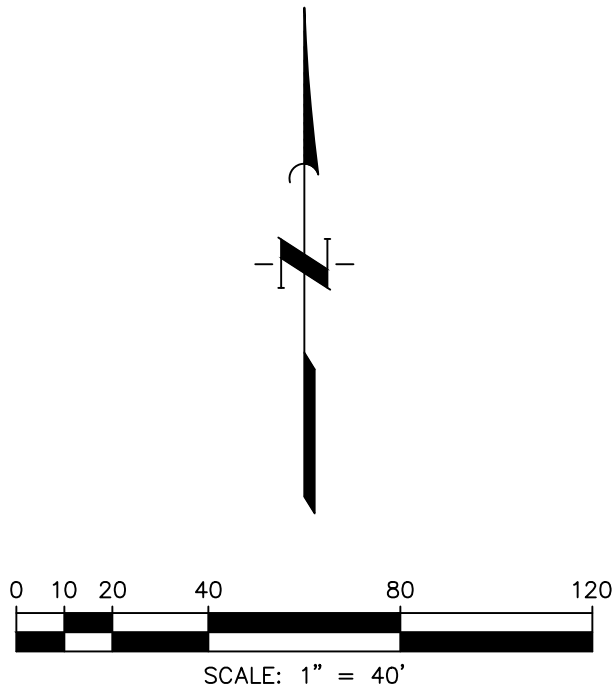
F.B. NO.



Alan Moon
9/11/2024

LEGEND:

X — (FF) — X FILTER FABRIC FENCE




NO.	DATE	REVISIONS
		APP.

SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

GULF COAST CANAL—CLAYBAR SIPHON

STORM WATER POLLUTION
PREVENTION PLAN SHEET 2
OF 3

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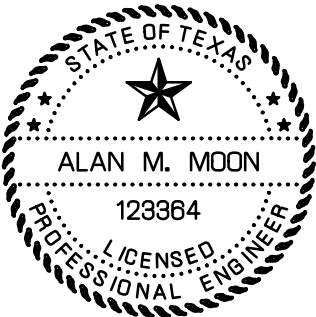
SCALE: AS SHOWN DGN. BY: MAHMAD

DATE: AUGUST 2024 DWN. BY: SALVAREZ

JOB NO. 17314-0004-00 DWG. NO.

SUBMITTED: SURV. BY:

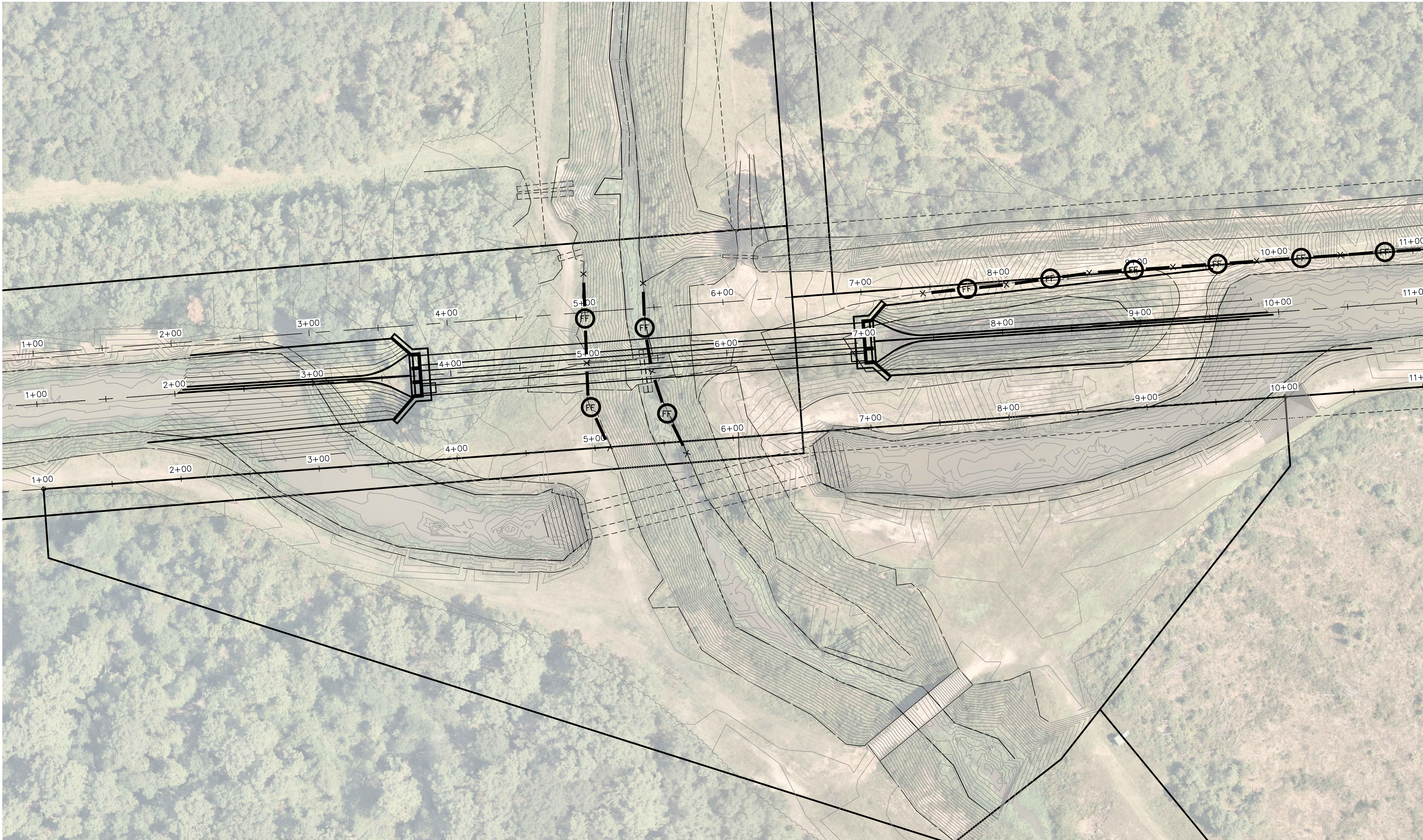
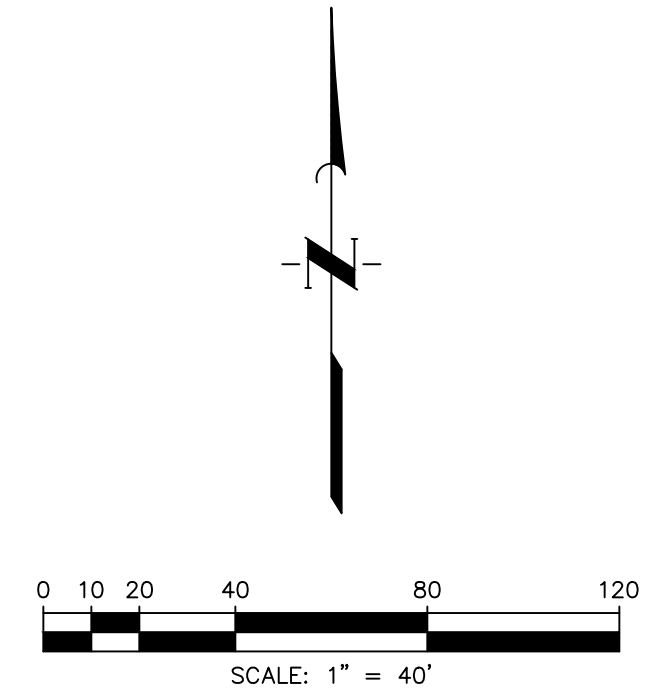
F.B. NO.



Alan Moon
9/11/2024

LEGEND:

X — (FF) — X FILTER FABRIC FENCE




NO.	DATE	REVISIONS	APP.

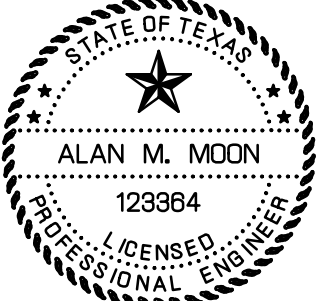
SABINE RIVER AUTHORITY
ORANGE COUNTY, TEXAS

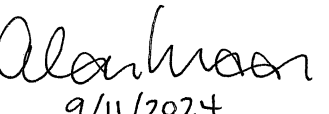
GULF COAST CANAL—CLAYBAR SIPHON

STORM WATER POLLUTION
PREVENTION PLAN SHEET
3 OF 3

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ALAN M. MOON
129364
9/11/2024

C17
SHEET NO.19 OF 19