STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

BRADY CANAL HYDROLOGIC RESTORATION
2018 MAINTENANCE EVENT
(TE-28)
TERREBONNE PARISH

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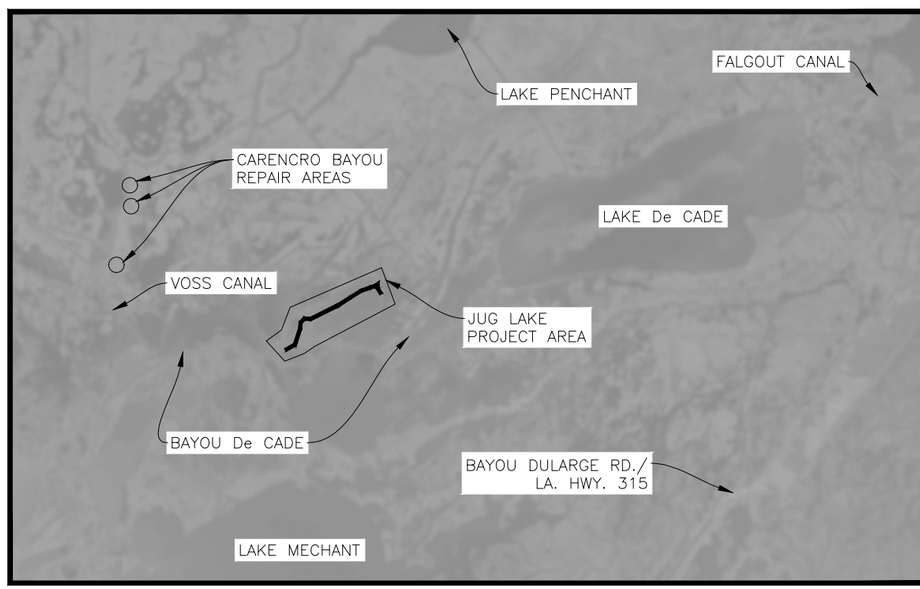
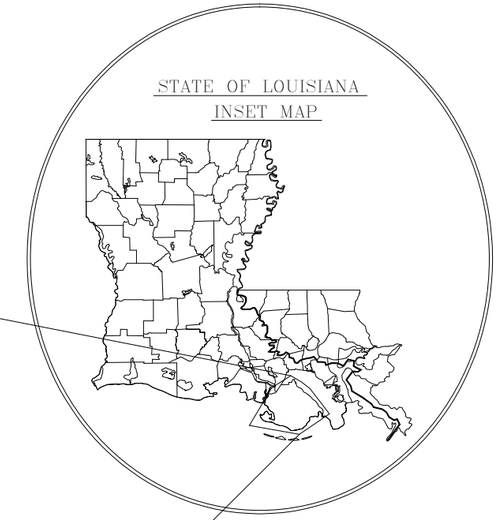
GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.



6,000' 3,000' 0' 6,000' 12,000'



STATE OF LOUISIANA
UNION JUSTICE CONFIDENCE

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

RECOMMENDED FOR APPROVAL BY:

3/20/19

MR. JARRET E. BAUER, P.E. LA LICENSE #36720
ALL SOUTH CONSULTING ENGINEERS, LLC

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
CIVIL • STRUCTURAL • ENVIRONMENTAL
(225) 752-1200 • (225) 752-1201 (FAX)
8550 JEFFERSON HIGHWAY, SUITE 1
BATON ROUGE, LOUISIANA 70809

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

DATE: 03/20/2019

SHEET 1 OF 25

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TRAVERSE ON EXISTING MARSH OR VEGETATED WETLANDS OUTSIDE AREAS OF EMBANKMENT MAINTENANCE OR REPAIR WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATION WITHIN THE LIMITS OF THE PROJECT SITE.
3. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF THE CONTRACT DOCUMENTS WILL BE ISSUED BY THE ENGINEER.
4. TYPE OF CONSTRUCTION IS CLASSIFICATION III (HEAVY CONSTRUCTION).
5. ALL ELEVATIONS ARE GIVEN IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN NORTH AMERICAN DATUM OF 1983 (NAD 83), LOUISIANA STATE PLANE, SOUTH ZONE, U.S. SURVEY FEET.
6. DIMENSIONS, ELEVATIONS, AND STATIONING OF EXISTING OBJECTS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND OTHER LOCAL REQUIREMENTS.
8. THE CONTRACTOR IS SOLELY AND FULLY RESPONSIBLE FOR THE LAYOUT OF CONSTRUCTION WORK AND THE MEANS AND METHODS EMPLOYED.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS OR DISCREPANCIES PRESENTED IN THESE PLANS PRIOR TO THE START OF WORK.
10. ANY CONSTRUCTION DEBRIS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED.
11. CONTRACTOR TO EXPECT TO ENCOUNTER SHELLS AND MISCELLANEOUS DEBRIS DURING DREDGING OPERATIONS. CONTRACTOR TO PREPARE BORROW AREA AND EMBANKMENT AREA AT NO COST TO THE OWNER.
12. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY AND ALL DAMAGE TO PRIVATE PROPERTY OUTSIDE OF ALLOWABLE WORK IN THESE DOCUMENTS AT NO COST TO OWNER.
13. CONTRACTOR SHALL CONDUCT A FIELD VISIT TO THE SITE PRIOR TO SUBMITTING BID FOR THIS PROJECT AND BECOME AWARE OF SITE CONDITIONS AND OTHER EXISTING ITEMS WHICH MAY AFFECT SCOPE OF WORK.
14. CONTRACTOR TO SUBMIT PROJECT WORK PLAN PRIOR TO START OF CONSTRUCTION. SEE SPECIFICATIONS SECTION GP-8 FOR WORK PLAN REQUIREMENTS, AND AS FURTHER DESCRIBED THROUGHOUT THE SPECIFICATIONS.
15. CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE PERMIT NO. MVN-1997-00150-WLL. PERMIT IS INCLUDED IN THE PROJECT SPECIFICATIONS FOR REFERENCE.
16. DATA FROM THE COASTWIDE REFERENCE MONITORING SYSTEM (CRMS) 0398 WAS USED TO CALCULATE MEAN HIGH WATER (+1.47' NAVD88) AND MEAN LOW WATER (+0.49' NAVD88) AVERAGED OVER 2007-2017.
17. THE QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED MAY 21, 2018 - JUNE 22, 2018 BY NRCS. QUANTITY IS BASED ON THE DREDGE (CUT) VOLUME OF THE BORROW AREA. PAYMENT QUANTITIES WILL BE BASED ON PROCESS SURVEYS OF THE BORROW AREA. THE DATUM FOR THE ELEVATIONS SHOWN ARE IN NAVD 1988 (2009.55) GEOID 12A. NORTH IS BASED ON LOUISIANA STATE PLANE, SOUTH ZONE, NAD 1983 (2011)

UTILITY NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND MARKING ALL PIPELINE OPERATORS FIFTEEN (15) WORKING DAYS PRIOR TO MOBILIZATION. ALL PIPELINES WITHIN 150 FT SHALL BE LOCATED AND MARKED. THE CONTRACTOR SHALL MAINTAIN MARKERS DURING CONSTRUCTION AND SHALL AVOID EXCAVATION OUTSIDE OF ESTABLISHED BORROW AREAS IN THESE PLANS. THE CONTRACTOR SHALL CALL LOUISIANA ONE CALL (811) FIFTEEN (15) WORKING DAYS PRIOR TO MOBILIZATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO AVOID DAMAGE TO ALL PIPELINES WHETHER SHOWN OR NOT IN THE PLAN DRAWINGS.
2. KNOWN PIPELINES AND UTILITIES ARE SHOWN ON THE PLANS. LOCATIONS SHOWN ARE APPROXIMATE. IT IS POSSIBLE THAT SOME UNKNOWN PIPELINES AND UTILITIES MAY EXIST THAT HAVE NOT BEEN SHOWN. THE CONTRACTOR SHALL BE ON THE ALERT FOR SUCH PIPELINES AND UTILITIES, AND SHALL REPORT IMMEDIATELY TO THE ENGINEER THOSE LOCATIONS. DREDGE TEMPLATES SHALL BE MODIFIED AT NO COST TO ACCOUNT FOR FOUND UTILITIES. CONTRACTOR SHALL STOP ALL DREDGING ACTIVITY MINIMUM OF 50' ON EACH SIDE OF PIPELINES. CONTRACTOR CANNOT TRAVERSE 50' ON EACH SIDE OF PIPELINES WITH LAND OR MARSH BUGGY EQUIPMENT AT EMA LOCATION WITHOUT PRIOR CONSENT OF PIPELINE OWNER.
3. ALL IDENTIFIED EXISTING UTILITIES SHALL NOT BE DISTURBED.
4. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PERMITTING NOTES & REGULATORY RESTRICTIONS:

1. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION.
2. THE OWNER HAS OBTAINED A USACE AND CUP PERMIT FOR THIS PROJECT. CONTRACTOR SHALL ADHERE TO THE RESTRICTIONS PROVIDED IN THE PERMIT. ANY AND ALL FINES GENERATED AS A RESULT OF THE CONTRACTOR'S ACTIVITIES SHALL BE PAID FOR BY THE CONTRACTOR. TIME EXTENSIONS WILL NOT BE GRANTED IF THE PROJECT IS SHUT DOWN DUE TO PERMIT VIOLATIONS COMMITTED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE UNITED STATES COAST GUARD.
4. EXCLUDING THE PERMITS ALREADY OBTAINED BY THE OWNER, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL LOCAL, STATE, AND/OR FEDERAL PERMITS REQUIRED FOR THIS PROJECT.

EARTHWORK NOTES:

1. DREDGING FOR THIS PROJECT WILL BE MECHANICAL DREDGE ONLY, DREDGED MATERIAL SHALL BE PLACED WITHIN THE DESIGNATED EMA AS SHOWN IN THE PLANS. CONTRACTOR SHALL ACCESS THE BORROW AREA THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL MAINTAIN ADEQUATE NAVIGATIONAL EQUIPMENT TO AVOID DREDGING IN RESTRICTED AREAS.
2. CONTRACTOR SHALL SUBMIT WORK PLAN PRIOR TO START OF CONSTRUCTION TO ENGINEER FOR INFORMATION AND COMMENT AS REQUIRED. PLAN SHALL INCLUDE METHODOLOGY CONTRACTOR SHALL USE TO FULFILL TARGET EMA ELEVATION REQUIREMENTS. CONSIDERATION SHALL BE GIVEN TO DEWATERING AND SETTLING OF MATERIAL. CONTRACTOR SHALL IDENTIFY PROPOSED EXPECTED TIMELINE FOR ALL ACTIVITIES.
3. DREDGING SHALL BEGIN IN JUG LAKE AT STA. 12+00. DREDGING SHALL NOT EXTEND BEYOND STA. 137+85.76 IN JUG LAKE UNLESS OTHERWISE DIRECTED BY ENGINEER.
4. QUANTITIES NOTED AT EACH CROSS SECTION REPRESENT MAXIMUM AVAILABLE QUANTITY FOR CONTRACTOR TO REMOVE. ADDITIONAL QUANTITY MAY BE AVAILABLE WITHIN EMBA BUT SHALL NOT BE REMOVED WITHOUT ENGINEER APPROVAL.
5. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS USED TO ACCESS PROJECT SITE. NO PROVISIONS OR AUTHORIZATIONS ARE GIVEN IN THESE PROJECT DOCUMENTS FOR ACCESS TO THE PROJECT SITE.

SURVEY NOTES:

1. ALL SURVEY DATA PROVIDED THROUGH CPRA, BY NRCS.
2. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE BORROW AREAS, ACCESS CHANNEL AND WORK AREAS PRIOR TO EXCAVATION. PROPOSED SURVEY PATH SHALL BE INCLUDED AS PART OF WORK PLAN. THE PRE-CONSTRUCTION SURVEY SHALL SHOW THE TRACK LINES OF THIS MAGNETOMETER SURVEY AND INCLUDE THE COORDINATES, AMPLITUDE, SIGNATURE WIDTH OF ALL MAGNETOMETER HITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXECUTING THE WORK TO THE LIMITS, LINES, LOCATIONS, AND GRADES ESTABLISHED IN THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PRESERVING ALL POSTS AND OTHER MARKS.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF ANY PENDING SURVEYS TO BE PERFORMED BY THE CONTRACTOR.
5. CONTRACTOR WILL BE REQUIRED TO COMPLETE PRE-CONSTRUCTION, PROCESS, AND AS BUILT SURVEYS AS PER THE PROJECT SPECIFICATIONS OF THE PLACEMENT AND BORROW AREAS. THE PRE-CONSTRUCTION SURVEY SHALL ALSO INCLUDE A MAGNETOMETER SURVEY AS DESCRIBED IN THE SPECIFICATIONS. PROVIDE ALL SOUTH CONSULTING ENGINEERS, LLC. WITH SURVEY DATA SHEETS.
6. IF USING A ROD OR POLE TO MEASURE DEPTHS OF DREDGED AREAS, THE ROD OR POLE SHALL HAVE A 6"Ø METAL PLATE ATTACHED PERPENDICULAR TO THE POLE TO PREVENT INACCURATE DEPTH READINGS DUE TO PENETRATING SOFT BOTTOM SEDIMENTS.
7. ALL EXISTING CROSS SECTION SURFACES ARE IDENTIFIED FOR ESTIMATING PURPOSES ONLY. THESE EXISTING SURFACES ARE BASED ON SURVEY DATA COLLECTED ON MAY 21, 2018 - JUNE 22, 2018 BY NRCS. ACTUAL ONSITE ELEVATIONS MAY VARY.
8. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING LANDOWNERS, PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK, PIPELINES LOCATED WITHIN 150' OF THE WORK SHALL BE MARKED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 FIVE (5) DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING.

A. APACHE LOUISIANA MINERALS LLC	TIM ALLEN	(985) 879-3528
B. CONOCO PHILLIPS, INC.	BUDDY SMITH	(985) 879-1517
C. ASPECT ENERGY, LLC.	TOM TSCHNDY, CPL	(303) 573-7011
D. TEXAS PETROLEUM INVESTMENT CO.	BRANDON LEPRETRE	(985) 384-7850

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK AND ADHERE TO CPRA LAND OWNER NOTIFICATIONS PER SPECIFICATIONS.

ABBREVIATIONS

@	= AT
APPROX	= APPROXIMATE
B/L	= BASELINE
BA	= BORROW AREA
BP	= BEGIN POINT
C/L, ℄	= CENTER LINE
CMF	= CONSTRUCTION MAINTENANCE FILL
CY	= CUBIC YARD
DIA, Ø	= DIAMETER
EL	= ELEVATION
EMA	= EMBANKMENT MAINTENANCE AREA
EMBA	= EMBANKMENT MAINTENANCE BORROW AREA
EXIST	= EXISTING
FT	= FOOT OR FEET
LF	= LINEAR FEET
MCA	= MARSH CREATION AREA
ME	= MATCH EXISTING
MAT'L	= MATERIAL
MIN	= MINIMUM
N.T.S	= NOT TO SCALE
OC	= ON CENTER
RA	= REPAIR AREA
RBA	= REPAIR BORROW AREA
REQ'D	= REQUIRED
RRA	= REINFORCEMENT REPAIR AREA
R/W	= RIGHT OF WAY
SHT	= SHEET
SLLD	= SOUTH LAFOURCHE LEVEE DISTRICT
STA	= STATION
SY	= SQUARE YARD
W/	= WITH
XS	= CROSS SECTION

JUG LAKE-PROJECT AREA			
BEGINNING		ENDING	
NORTHING	EASTING	NORTHING	EASTING
316013.17	3400055.36	319818.43	3407672.64

CARENCRO BAYOU REPAIR LOCATIONS		
REPAIR LOCATION (MIDPOINT)		
	LATITUDE	LONGITUDE
CARENCRO BAYOU REPAIR AREA-1	29°23'8.87"N	-91°0'5.54"W
CARENCRO BAYOU REPAIR AREA-2	29°23'58.48"N	-90°59'51.90"W
CARENCRO BAYOU REPAIR AREA -3	29°24'14.52"N	-90°59'51.78"W

SUMMARY OF BID QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	CONSTRUCTION LAYOUT & SURVEY	LS	1
3	JUG LAKE AREA DREDGE MATERIAL	CY	82,318
4	CARENCRO BAYOU REPAIR AREAS 1-3 DREDGE MATERIAL	CY	4,136
ALTERNATE 1	JUG LAKE EMBANKMENT REPAIR STA136+63-STA146+63	CY	10,000

LEGEND—PLAN VIEWS

BORROW AREA (RBA/EMBA)

EXISTING REPAIR LOCATION (MIDPOINT)

REPAIR AREA (RA)

EMBANKMENT MAINTENANCE AREA (EMA)

EXISTING BOTTOM

GAS — GAS LINE

MATCH LINE

OHL — OVERHEAD UTILITY

OYS — OYSTER LEASE

PL — PIPELINE

PROPOSED FEATURE

RR — RAIL ROAD

SUB — SUBMERGED UTILITY

LEGEND—PROFILE/SECTION VIEWS

CONSTRUCTION MAINTENANCE DIKE (CMF DIKE)

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

EXISTING GROUND

TEMPORARY PIPELINE MARKER DETAIL

SCALE: N.T.S.

PIPELINE MARKER DETAIL NOTES:

1. MARKERS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH LADOTD 2006 STANDARD SPECIFICATION 729.
2. A SHOP DRAWING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF THE MARKERS.
3. MARKER SHALL BE INSTALLED NO LESS THAN 6' ABOVE NORMAL WATER.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
03/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

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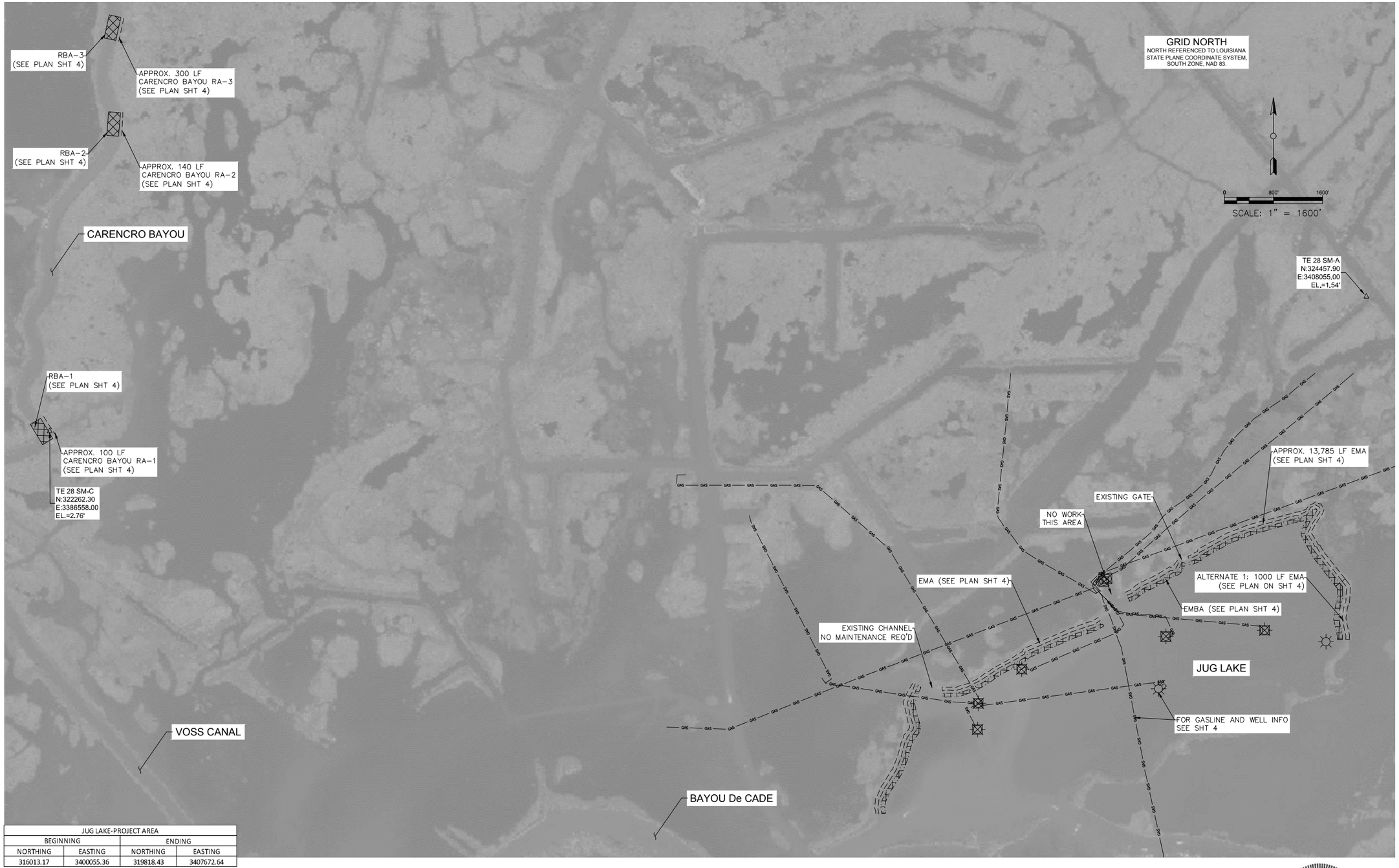

JUG LAKE-PROJECT AREA			
BEGINNING		ENDING	
NORTHING	EASTING	NORTHING	EASTING
316013.17	3400055.36	319818.43	3407672.64

CARENCRO BAYOU REPAIR LOCATIONS		
REPAIR LOCATION (MIDPOINT)		
	LATITUDE	LONGITUDE
CARENCRO BAYOU REPAIR AREA-1	29°23'8.87"N	-91°0'5.54"W
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CARENCRO BAYOU REPAIR AREA -3	29°24'14.52"N	-90°59'51.78"W

LEGEND

BORROW AREA (RBA/EMBA)

SITE MAP - OVERALL

SCALE: 1" = 1600'

NOTES:

1. AERIAL IMAGERY & COORDINATE LOCATIONS ARE APPROXIMATE TO RELAY INTENT OF WORK.

STATE OF LOUISIANA
JARRET BAUER
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3/20/19

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COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
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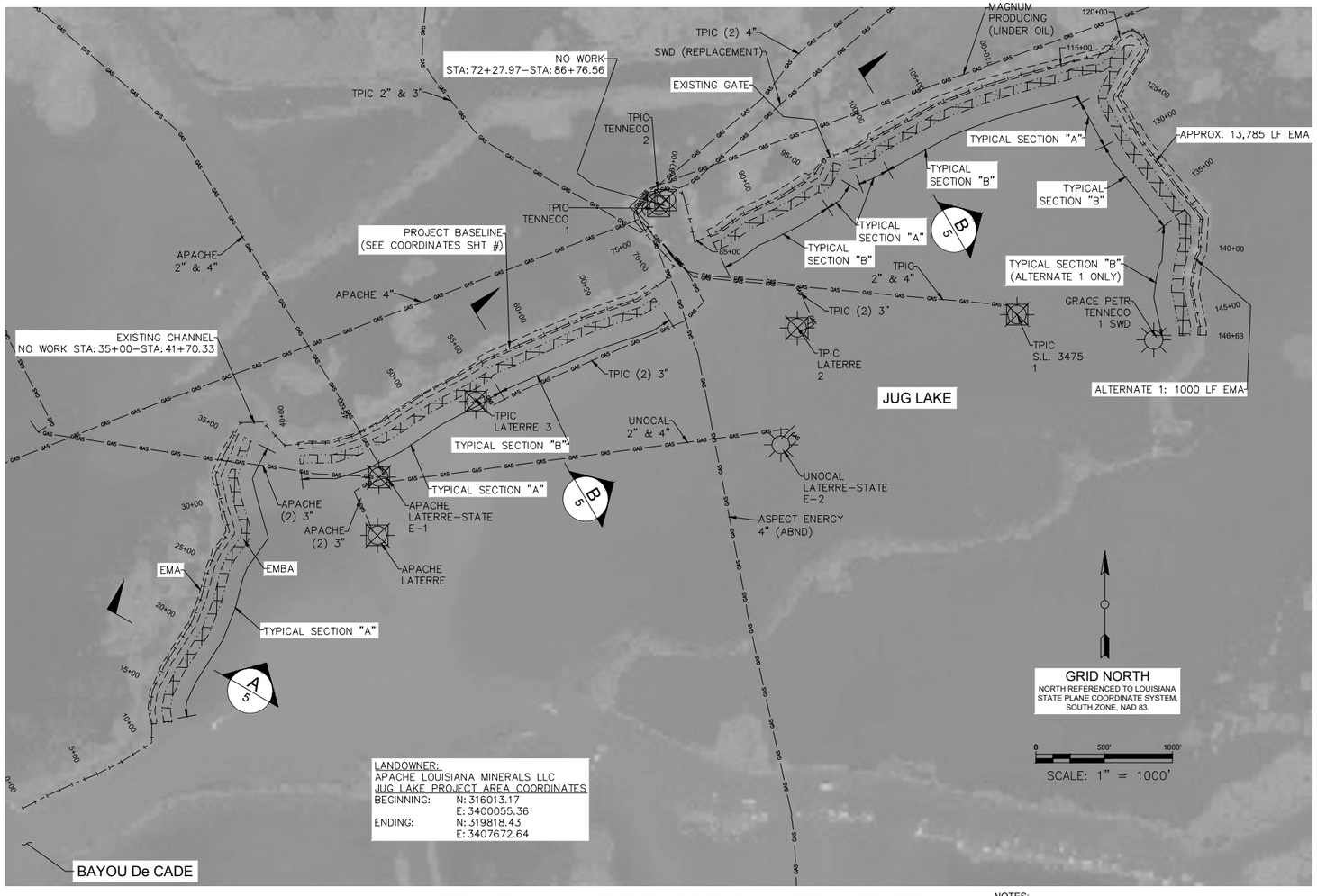
SHEET 3 OF 25

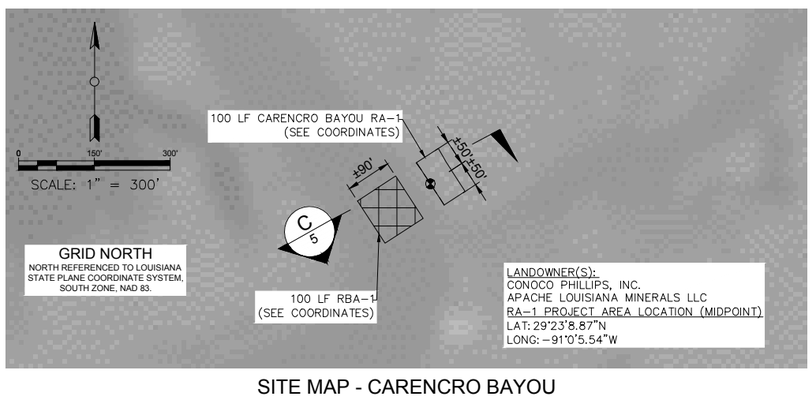


SITE MAP - JUG LAKE EMBANKMENT MAINTENANCE AREA

SCALE: 1" = 1000'

NOTES:

1. PROJECT BASELINE ESTABLISHED BASED ON "BRADY CANAL HYDROLOGIC RESTORATION 2012 MAINTENANCE PROJECT" PLAN COORDINATES.



SITE MAP - CARENCRO BAYOU REPAIR AREA 1 (RA-1)

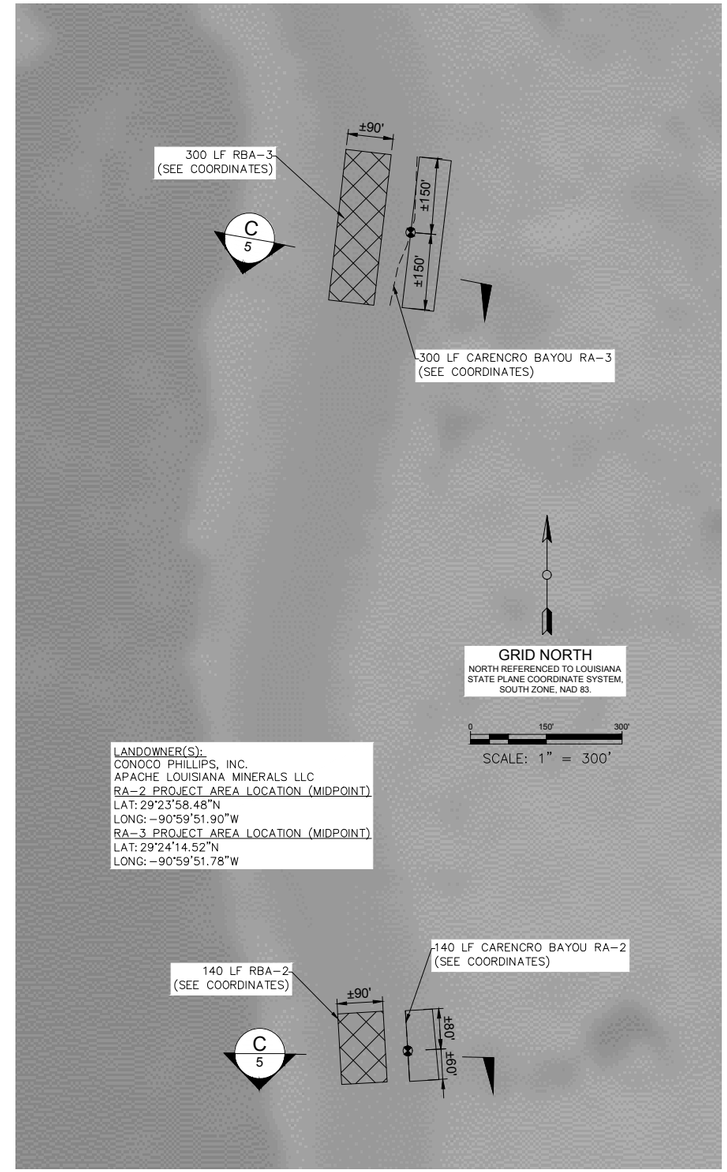
SCALE: 1" = 300'

NOTES:

1. PROJECT BASELINE AND CROSS SECTION DATA PROVIDED BY NRCS.
2. AERIAL IMAGERY & COORDINATE LOCATIONS ARE APPROXIMATE TO RELAY INTENT OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK.
4. APPROXIMATE DIMENSIONS SHOWN EACH SIDE OF RBA ARE OF TOP DIMENSIONS OF CUT. DIMENSIONS AT INVERT NOT SHOWN ON THIS SHEET.
5. CONTRACTOR MAY EXTEND RBA NORTH/SOUTH FOR ADDITIONAL QUANTITY, MAX. OF 40' EACH SIDE. MAINTAIN BANK OFFSETS.
6. OWNER RESERVES RIGHT TO REVISE STATIONING OF ALTERNATE 1 BORROW AND PLACEMENT AREAS AT OWNER'S DISCRETION AT NO ADDITIONAL COST. ALTERNATE 1 BORROW AND PLACEMENT AREA WILL BE LOCATED ADJACENT TO EACH OTHER AS SHOWN, BUT LOCATION OF ALTERNATE 1 WORK MAY BE ADJUSTED ALONG JUG LAKE BANKLINE. ALTERNATE 1 WORK REQUIREMENTS WILL NOT EXTEND OUTSIDE OF JUG LAKE. NO SURVEY DATA IS AVAILABLE FOR ALTERNATE 1.

LEGEND

BORROW AREA (RBA/EMBA)



SITE MAP - CARENCRO BAYOU REPAIR AREA 2 & 3 (RA-2 & RA-3)

SCALE: 1" = 300'

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3/20/19

REV.	DATE	DESCRIPTION	BY

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(504) 834-8700

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150 TERRACE AVENUE
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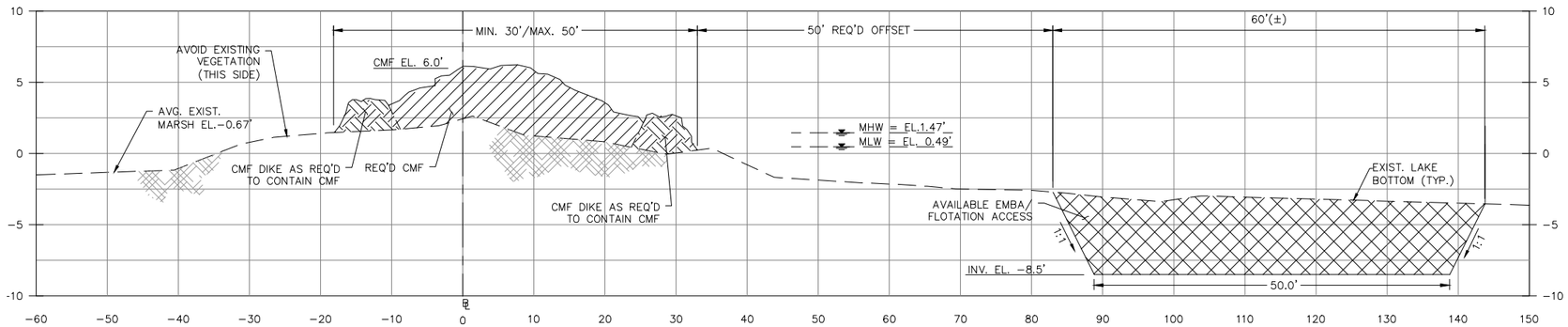
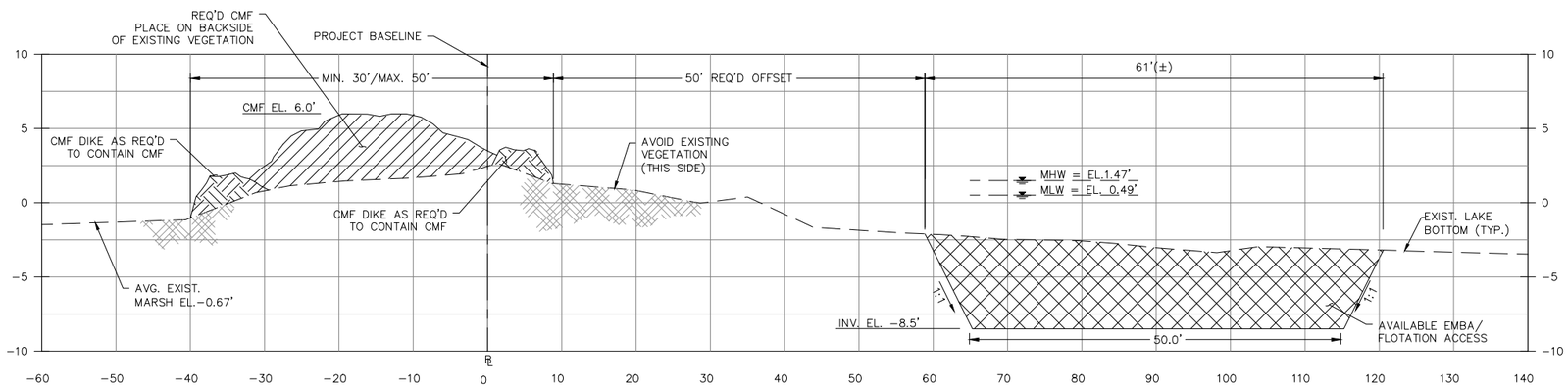
SHEET 4 OF 25



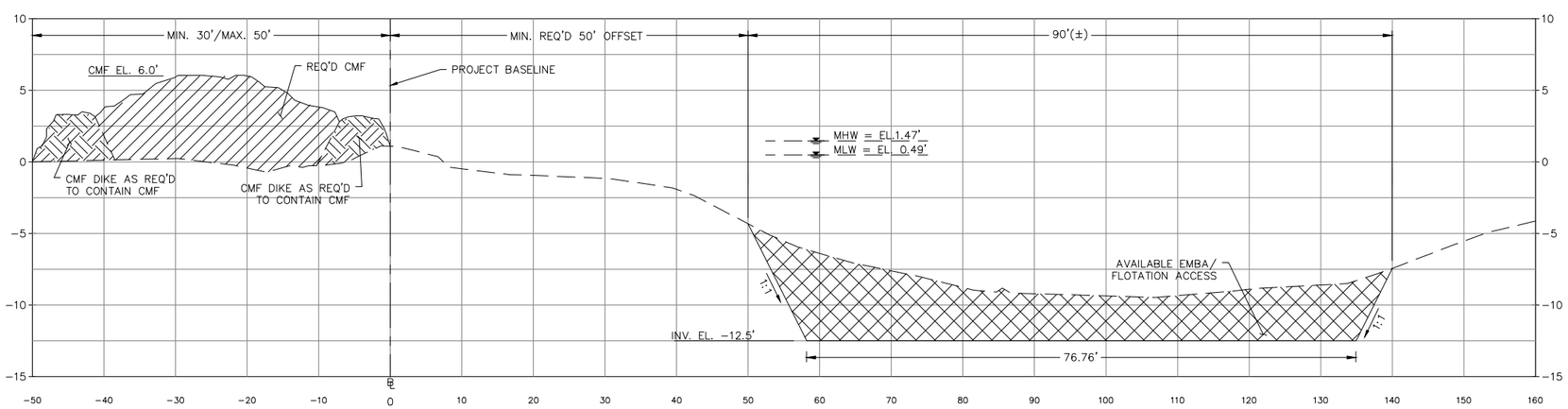
TYPICAL SECTION
A/5 EMBANKMENT MAINTENANCE-(FRONTSIDE PLACEMENT)
SCALE: HORIZ: 1" = 20' & VERT: 1" = 10'

JUG LAKE - PROJECT BASELINE STA.12+00-35+00, 41+70.33-56+00, 94+40-96+20, 98+00-100+00, 119+00-129+71.94



TYPICAL SECTION
B/5 EMBANKMENT MAINTENANCE-(BACKSIDE PLACEMENT)
SCALE: HORIZ: 1" = 20' & VERT: 1" = 10'

JUG LAKE - PROJECT BASELINE STA. 56+00-69+38.25, 86+00-94+40, 100+00-119+00, 129+71.94-136+63.16
ALTERNATE 1 - STA:136+63.16-146+63.16



C/5 TYPICAL SECTION-REPAIR AREA
SCALE: HORIZ: 1" = 20' & VERT: 1" = 10'

CARENCRO BAYOU REPAIR AREAS
RA-1 N:322289.66 E:3386503.44
RA-2 N:327304.43 E:3387695.45
RA-3 N:328924.71 E:3387701.32

0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

NOTES:

1. ALL EXISTING GRADES SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR'S OWN SURVEY. EXISTING GRADE WILL VARY BASED ON SITE LAYOUT. SEE PROJECT SPECIFICATIONS FOR SURVEY REQUIREMENTS.
2. THE DATUM FOR THE ELEVATIONS SHOWN ARE IN NAVD 1988 (2009.55) GEOID 12A. NORTH IS BASED ON LOUISIANA STATE PLANE, SOUTH ZONE, NAD 1983 (2011).
3. LOCATION OF ALL BURIED UTILITIES SHALL BE MARKED AND VERIFIED BY CONTRACTOR PRIOR TO START OF WORK.
4. TYPICAL EMBANKMENT SECTION WITH 4:1 (H:V) SIDE SLOPES AND 10' CROWN WERE USED TO CALCULATE REQUIRED CMF QUANTITIES. CONTRACTOR WILL NOT BE REQUIRED TO RECREATE THIS TYPICAL SECTION. MATERIAL TO BE EXCAVATED FROM EMBA AND PLACED WITHIN DESIGNATED EMA NO SMOOTH GRADING REQUIRED.
5. FOR ALL BACKSIDE PLACEMENT, CONTRACTOR TO REACH OVER THE TOP OF EXISTING VEGTATION TO PLACE MATERIAL. NO CLEARING AND GRUBBING SHALL BE REQUIRED.
6. DATA FROM THE COASTWIDE REFERENCE MONITORING SYSTEM (CRMS) 0398 WAS USED TO CALCULATE MEAN HIGH WATER (+1.47' NAVD88) AND MEAN LOW WATER (+0.49' NAVD88) AVERAGED OVER 2007-2017.
7. OWNER RESERVES RIGHT TO REVISE STATIONING OF ALTERNATE 1 BORROW AND PLACEMENT AREAS AT OWNER'S DISCRETION AT NO ADDITIONAL COST. ALTERNATE 1 BORROW AND PLACEMENT AREA WILL BE LOCATED ADJACENT TO EACH OTHER AS SHOWN, BUT LOCATION OF ALTERNATE 1 WORK MAY BE ADJUSTED ALONG JUG LAKE BANKLINE. ALTERNATE 1 WORK REQUIREMENTS WILL NOT EXTEND OUTSIDE OF JUG LAKE. NO SURVEY DATA IS AVAILABLE FOR ALTERNATE 1.

LEGEND

- CONSTRUCTION MAINTENANCE DIKE (CMF DIKE)
- BORROW AREA (RBA/EMBA)
- CONSTRUCTION MAINTENANCE FILL (CMF)
- EXISTING GROUND

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3850 PAPERMILL AVENUE
BATON ROUGE, LOUISIANA 70805
(504) 358-8700

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

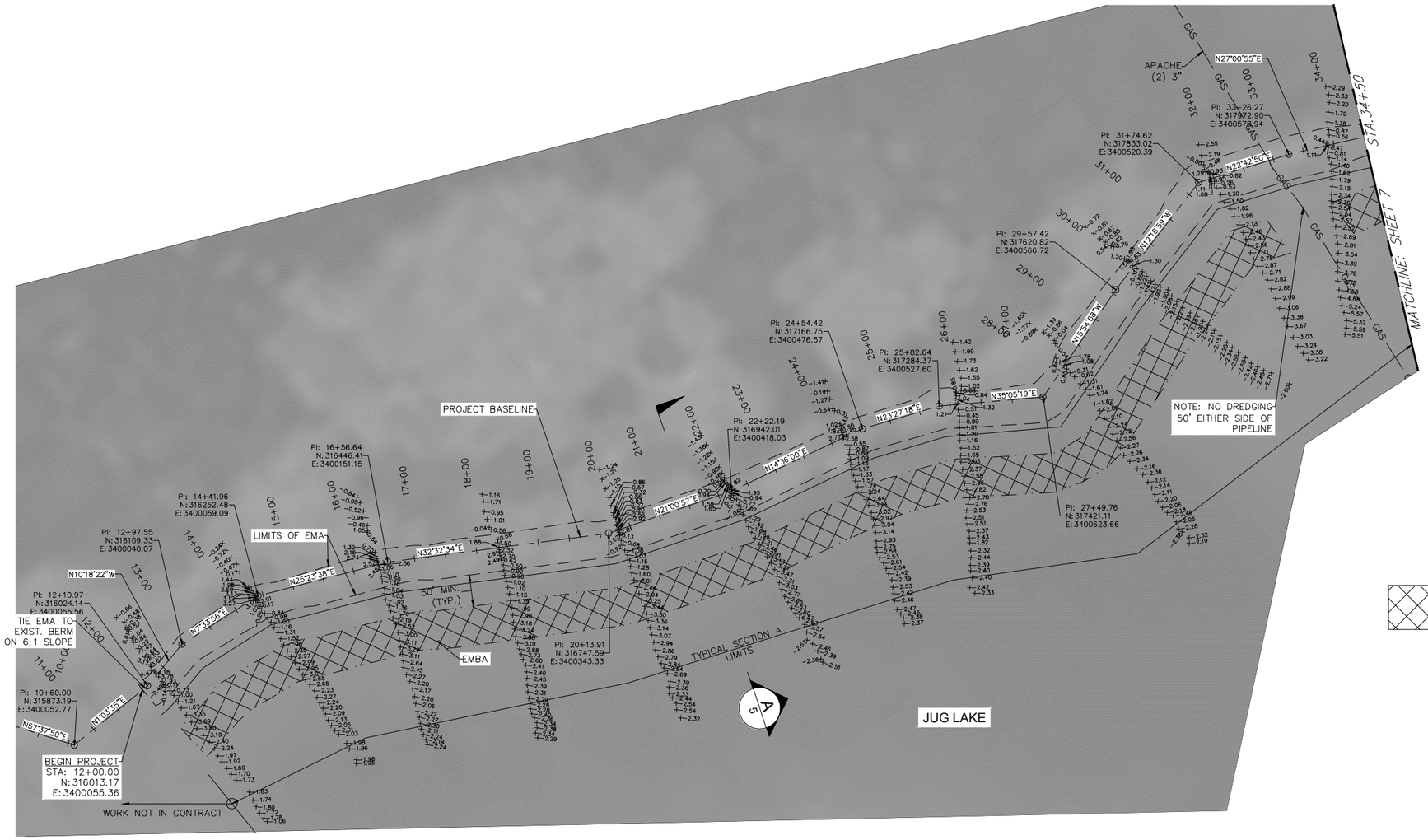
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

DATE: 03/20/2019

SHEET 5 OF 25



PLAN - JUG LAKE STA: 12+00 TO STA: 34+50

SCALE: 1" = 200'

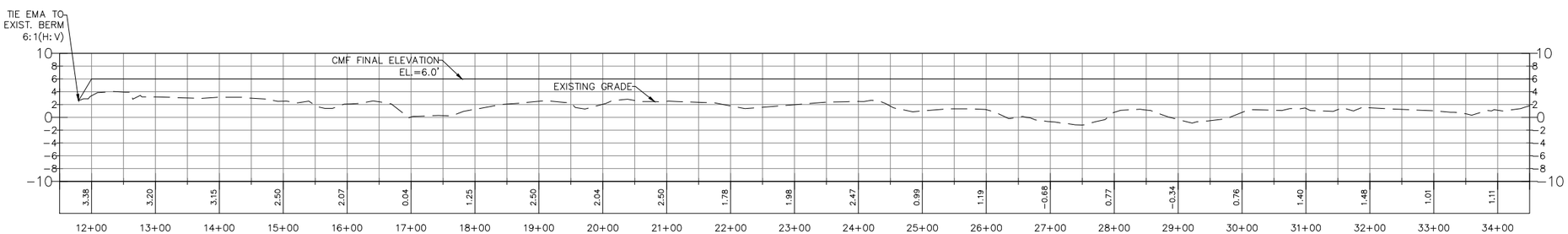
JUG LAKE KEY PLAN
(N.T.S.)

GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 100' 200'
HORIZ: 1" = 200'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)



PROFILE - JUG LAKE STA: 12+00 TO STA: 34+50

SCALE: HORIZ: 1" = 200'
VERT: 1" = 20'

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.
2. ACTUAL CMF LOCATED FORWARD OF BASELINE. SEE TYPICAL SECTIONS SHT 5.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
4850 PAPER MILL ROAD
BATON ROUGE, LA 70805
(225) 355-7700

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

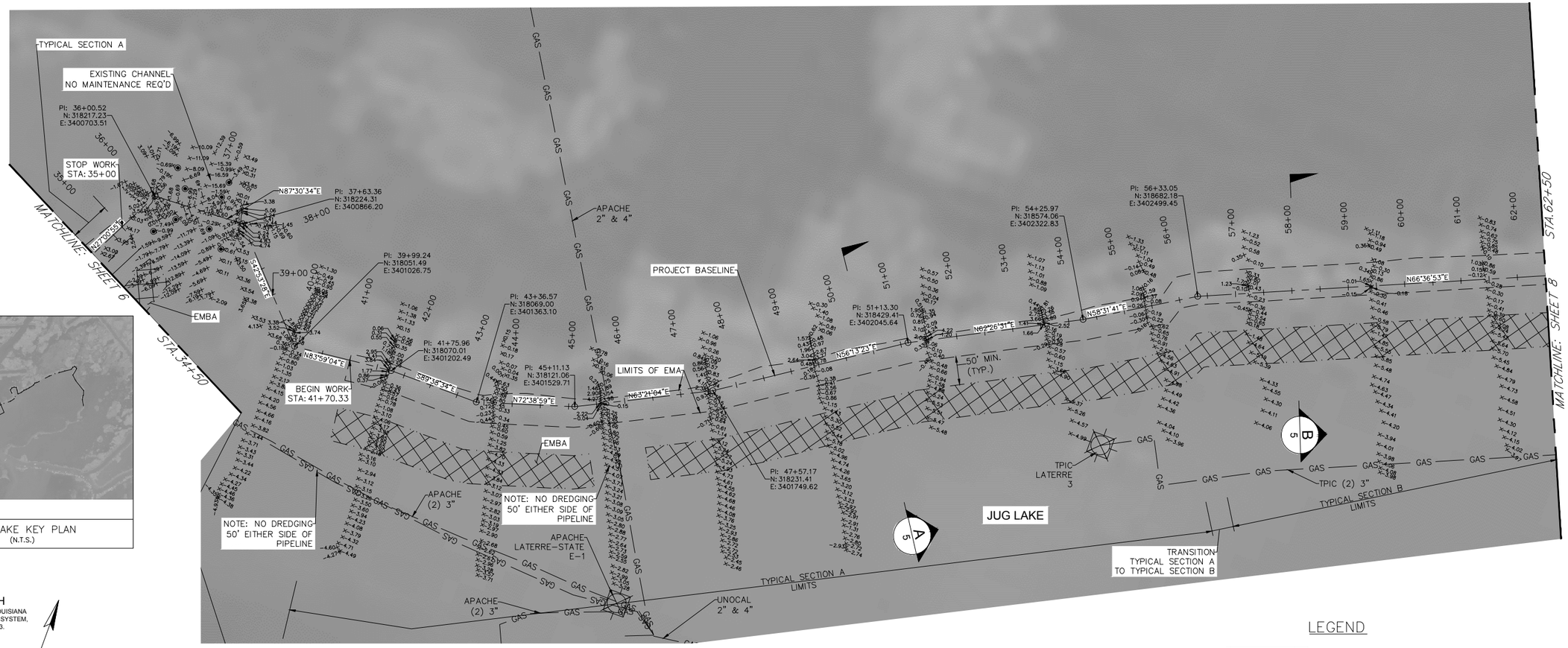
DESIGNED BY: JEB
APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

DATE: 03/20/2019

SHEET 6 OF 25



PLAN - JUG LAKE STA: 34+50 TO STA: 62+50

SCALE: 1" = 200'

JUG LAKE KEY PLAN
(N.T.S.)

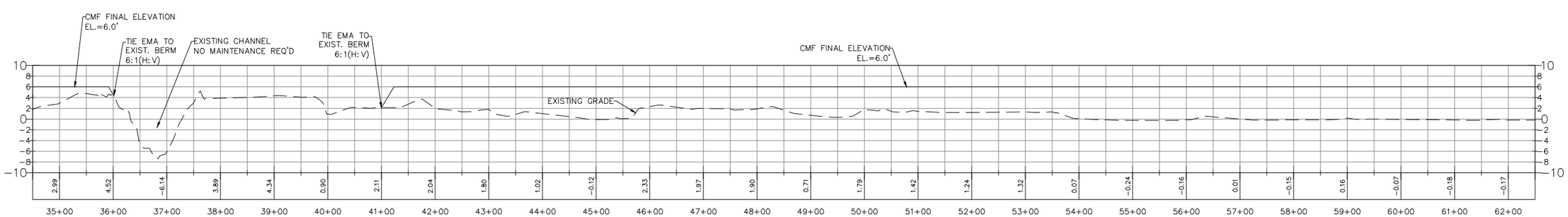
GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 100' 200'

HORIZ: 1" = 200'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)



PROFILE - JUG LAKE STA: 34+50 TO STA: 62+50

SCALE: HORIZ: 1" = 200'
VERT: 1" = 20'

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.
2. ACTUAL CMF LOCATED FORWARD OF BASELINE THIS SHT UP TO STA: 56+00. CMF LOCATED BEHIND BASELINE BEGINNING AT STA: 56+00 THIS SHT. SEE TYPICAL SECTIONS SHT 5.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3850 PAPPY DOUTY AVENUE
BATON ROUGE, LOUISIANA 70805
(225) 357-0000

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

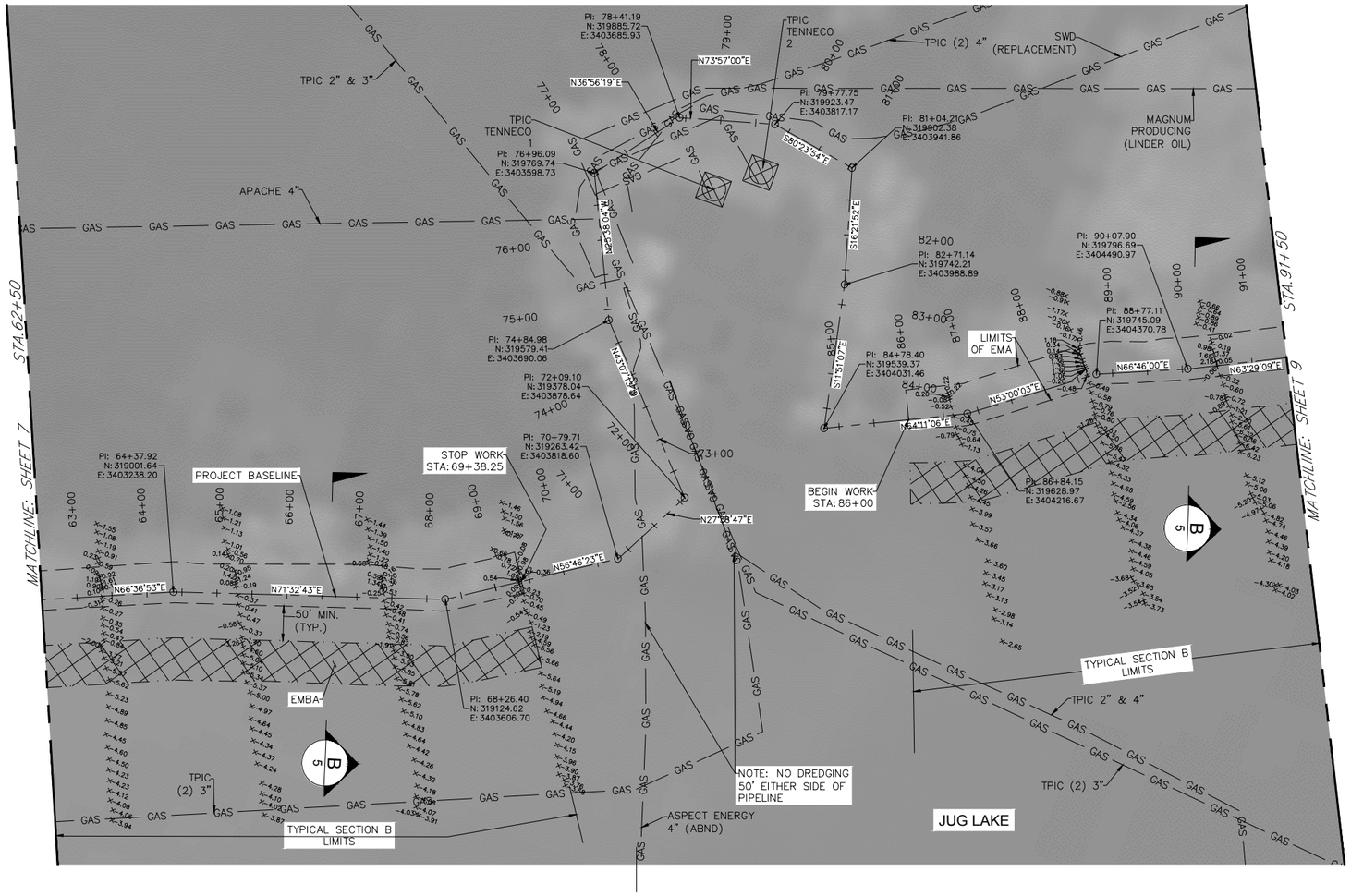
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

SHEET 7 OF 25



PLAN - JUG LAKE STA: 62+50 TO STA: 91+50

SCALE: 1" = 200'

JUG LAKE KEY PLAN
(N.T.S.)

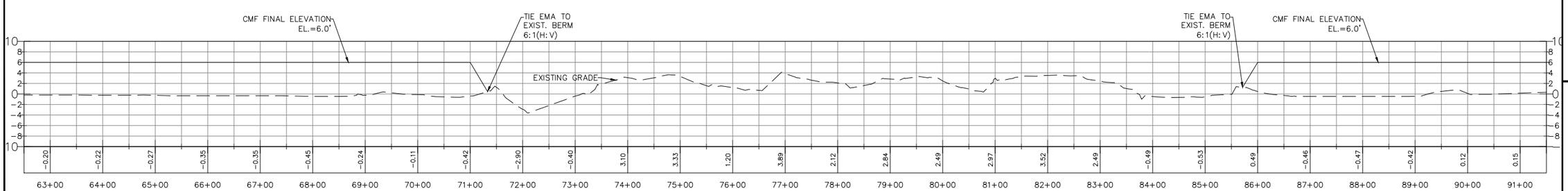
GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 100' 200'

HORIZ: 1" = 200'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)



NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.
2. ACTUAL CMF LOCATED BEHIND BASELINE THIS SHT. SEE TYPICAL SECTIONS SHT 5.

PROFILE - JUG LAKE STA: 62+50 TO STA: 91+50

SCALE: HORIZ: 1" = 200'
VERT: 1" = 20'

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
8550 PAPPAGALLO AVENUE
BATON ROUGE, LOUISIANA
(225) 293-8300

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

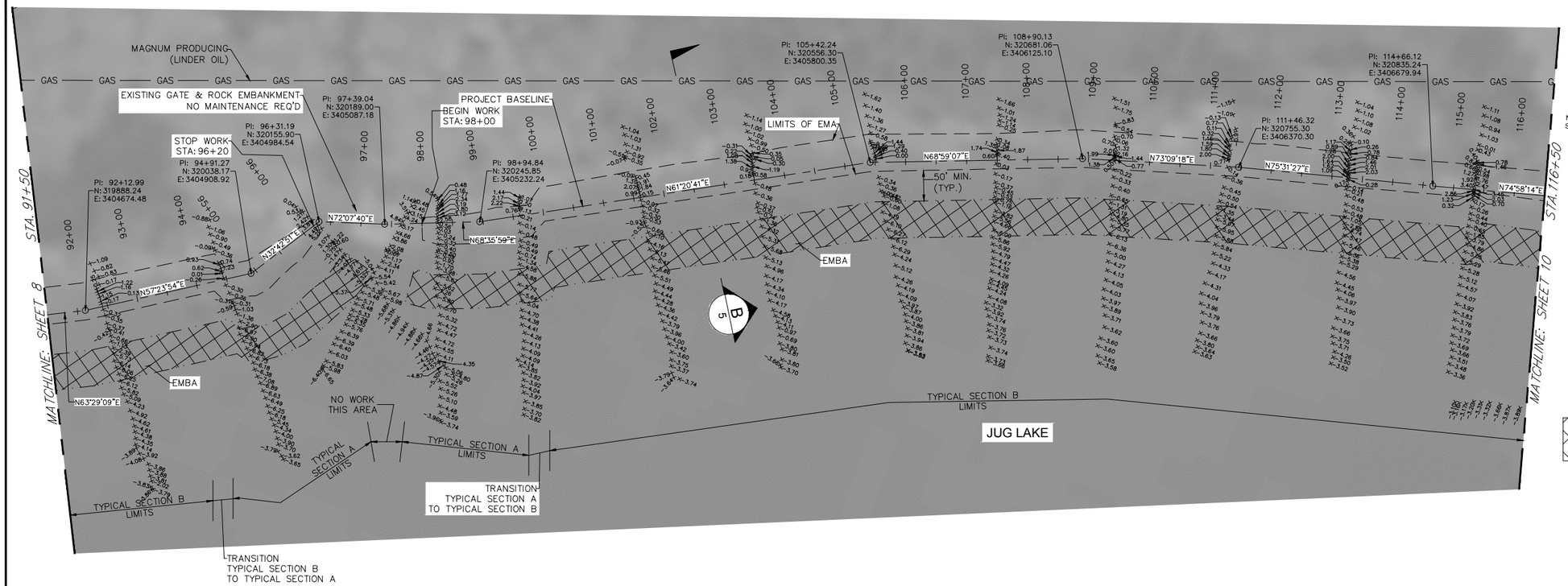
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

SHEET 8 OF 25



PLAN - JUG LAKE STA: 91+50 TO STA: 116+50

SCALE: 1" = 200'

JUG LAKE KEY PLAN
(N.T.S.)

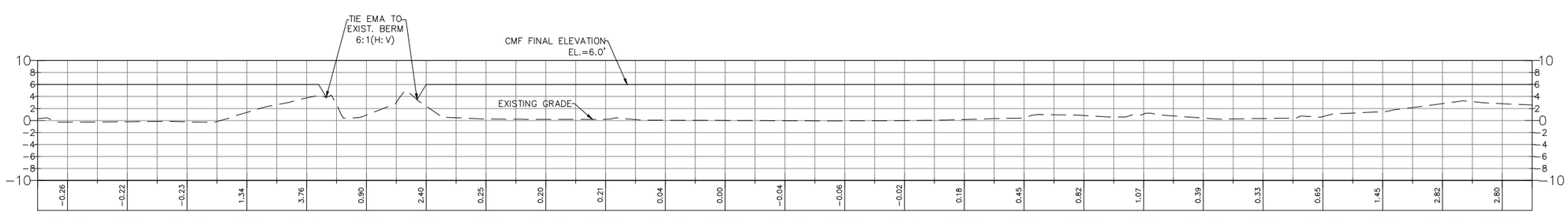
GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 100' 200'

HORIZ: 1" = 200'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)



PROFILE - JUG LAKE STA: 91+50 TO STA: 116+50

SCALE: HORIZ: 1" = 200'
VERT: 1" = 20'

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.
2. ACTUAL CMF LOCATED BEHIND BASELINE STA: 91+50 - STA: 94+40, STA: 100+00 - STA: 116+50 THIS SHT. CMF LOCATED FORWARD OF BASELINE STA: 94+40 - STA: 96+20, STA: 98+00 - STA: 100+00. SEE TYPICAL SECTIONS SHT 5.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/26/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
4550 PARKSCOTTA AVENUE
BATON ROUGE, LA 70808
(225) 769-0000

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

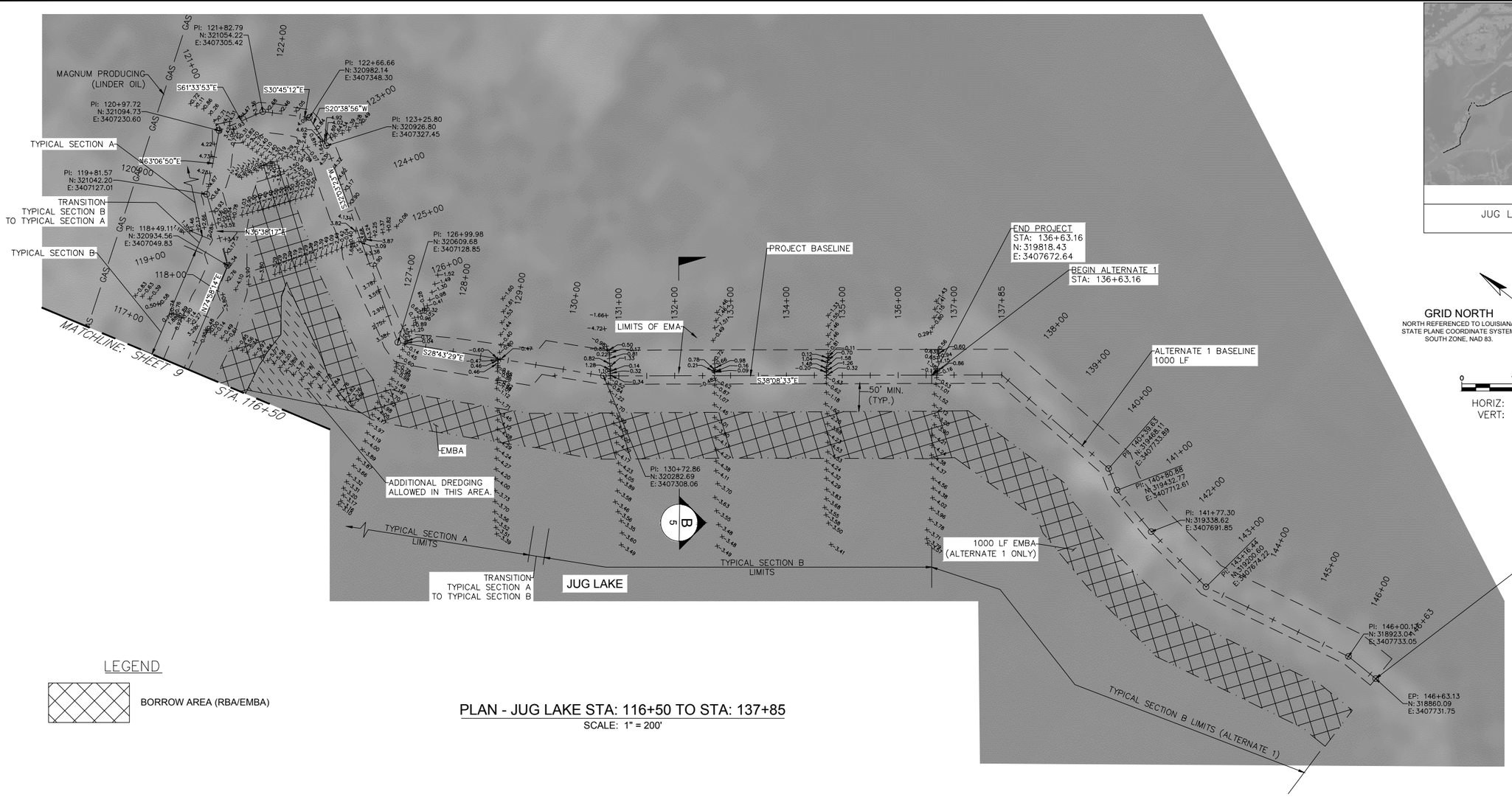
DESIGNED BY: JEB
APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

DATE: 03/20/2019

SHEET 9 OF 25



JUG LAKE KEY PLAN
(N.T.S.)

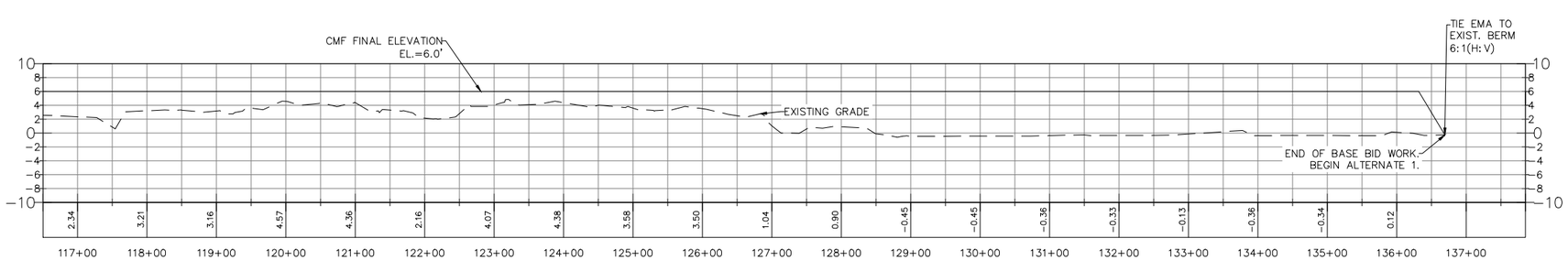
GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 100' 200'
HORIZ: 1" = 200'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

PLAN - JUG LAKE STA: 116+50 TO STA: 137+85
SCALE: 1" = 200'



PROFILE - JUG LAKE STA: 116+50 TO STA: 137+85
SCALE: HORIZ: 1" = 200'
VERT: 1" = 20'

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.
2. ACTUAL CMF LOCATED BEHIND BASELINE STA: 116+50 - STA: 119+00, STA: 129+71.94 - 136+63.16 THIS SHT. CMF LOCATED FORWARD OF BASELINE STA: 119+00 - STA: 129+71.94. SEE TYPICAL SECTIONS SHT 5.
3. OWNER RESERVES RIGHT TO REVISE STATIONING OF ALTERNATE 1 BORROW AND PLACEMENT AREAS AT OWNER'S DISCRETION AT NO ADDITIONAL COST. ALTERNATE 1 BORROW AND PLACEMENT AREA WILL BE LOCATED ADJACENT TO EACH OTHER AS SHOWN, BUT LOCATION OF ALTERNATE 1 WORK MAY BE ADJUSTED ALONG JUG LAKE BANKLINE. ALTERNATE 1 WORK REQUIREMENTS WILL NOT EXTEND OUTSIDE OF JUG LAKE. NO SURVEY DATA IS AVAILABLE FOR ALTERNATE 1.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3838 PARK BOULEVARD
BATON ROUGE, LA 70808
(225) 383-5037

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

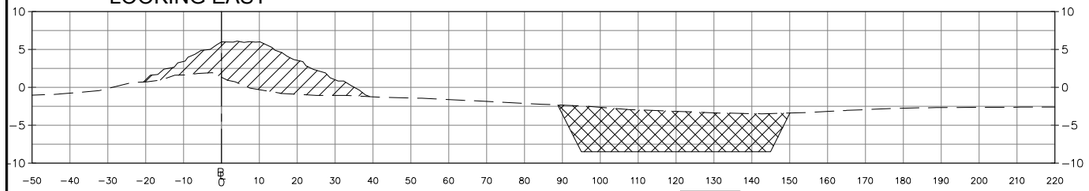
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

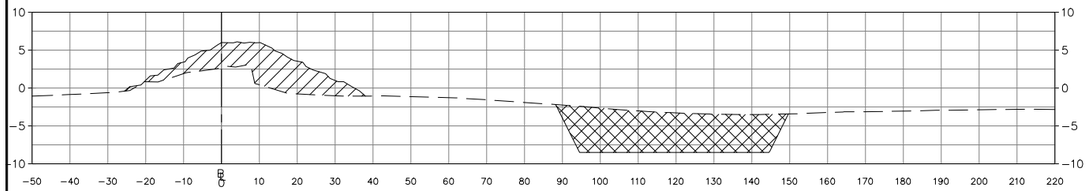
STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

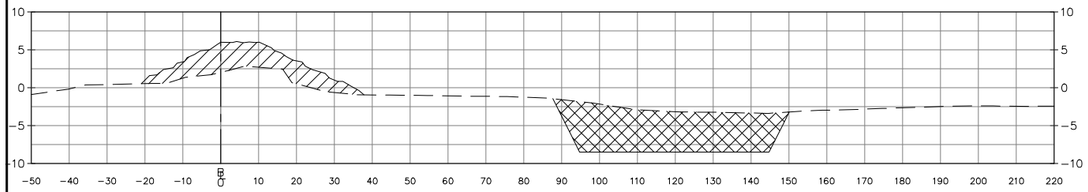
DATE: 03/20/2019

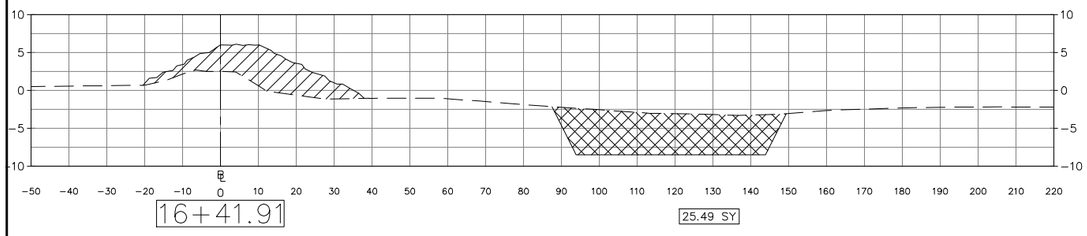
SHEET 10 OF 25

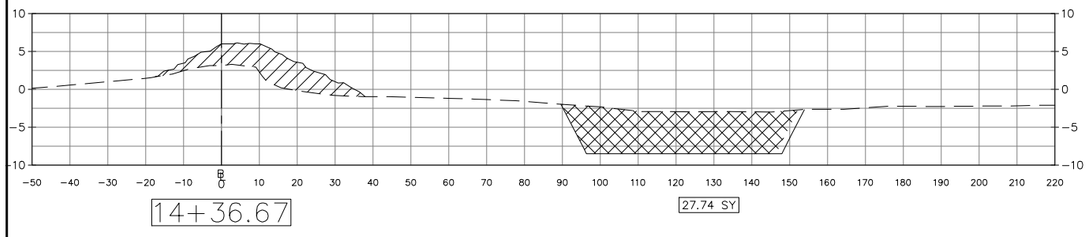
JUG LAKE CROSS SECTIONS
LOOKING EAST

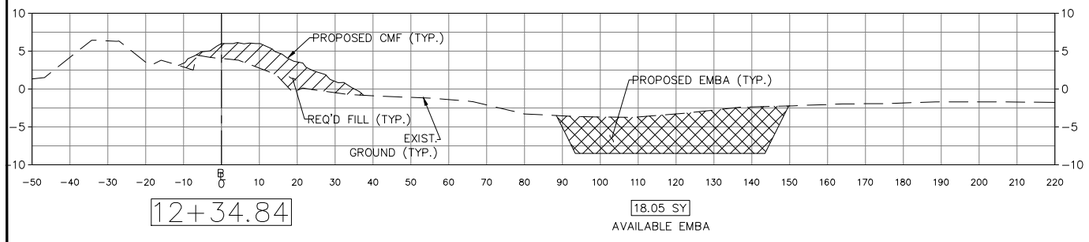


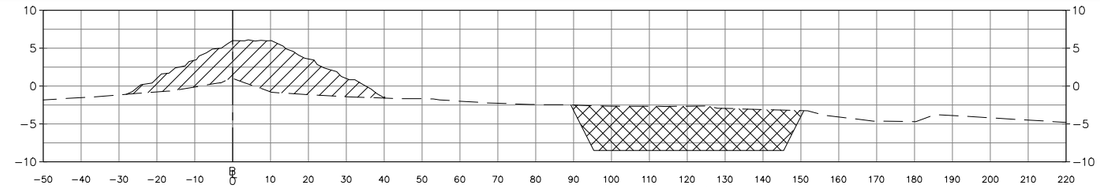


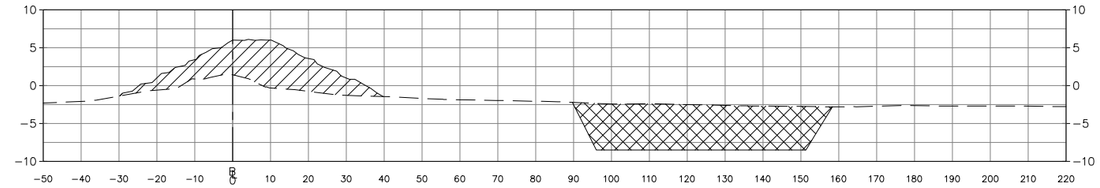


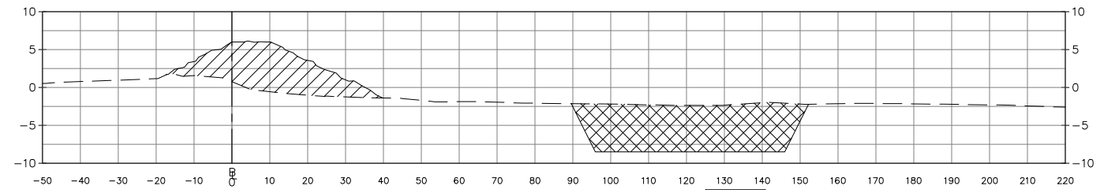


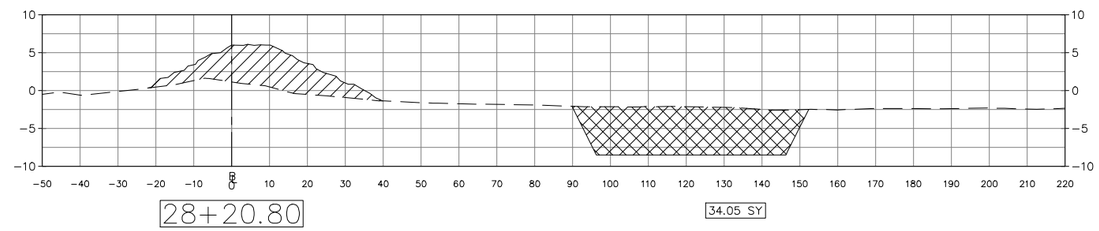


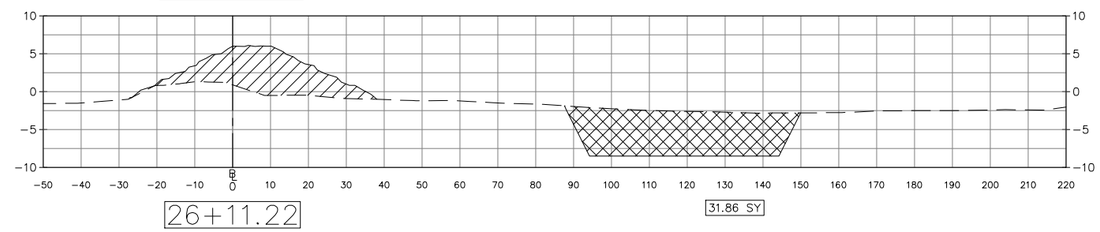


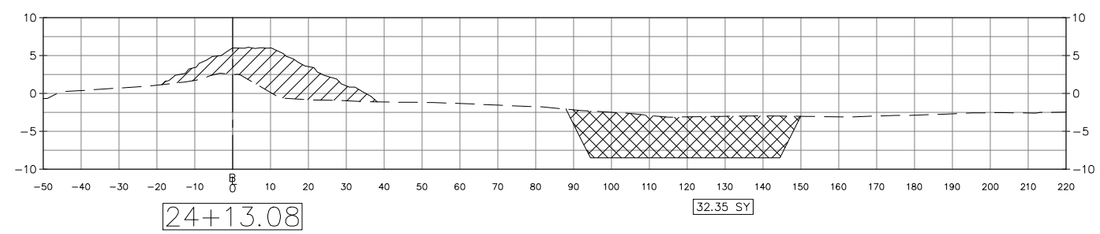












0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
SEE PAPER COPY FOR SEALS AND SIGNATURES
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COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

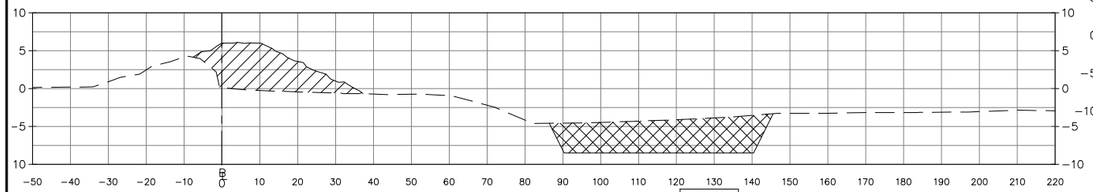
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

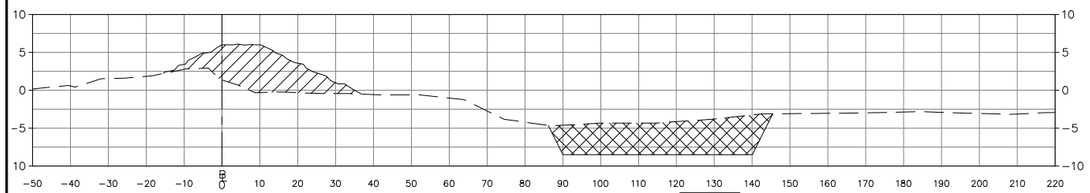
DATE: 03/20/2019

SHEET 11 OF 25

JUG LAKE CROSS SECTIONS
LOOKING EAST



45+58.09



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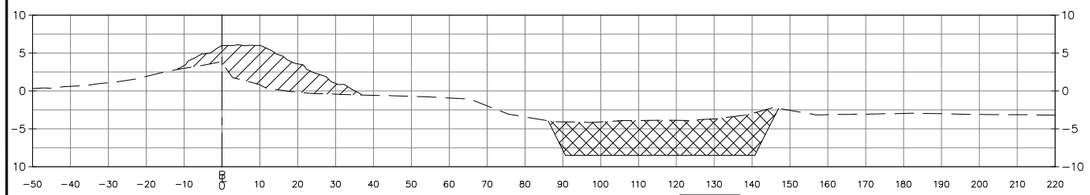

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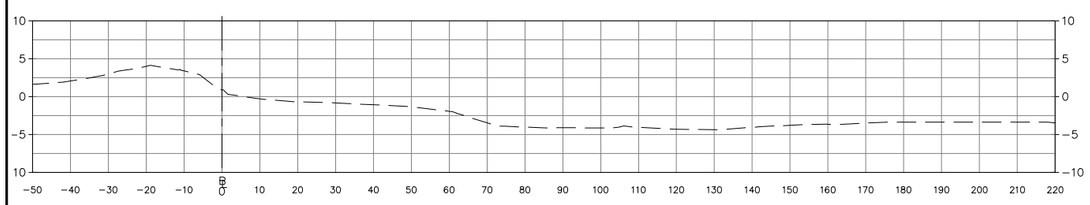

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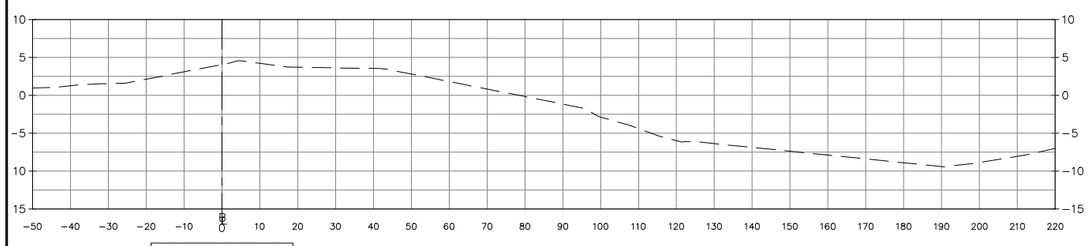

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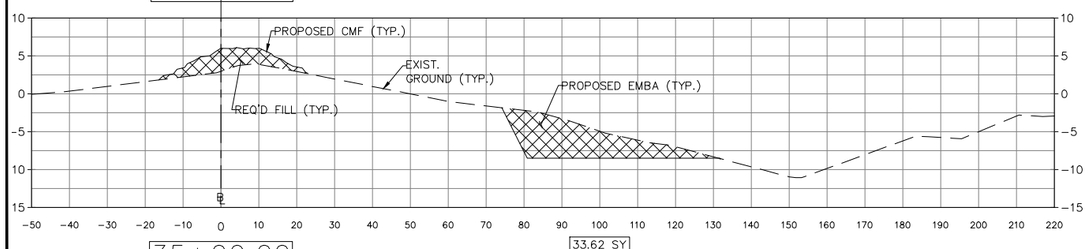

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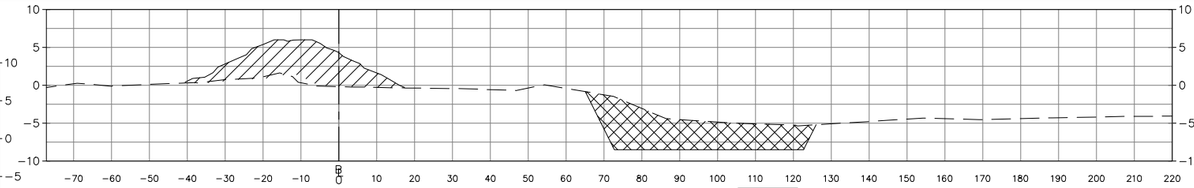
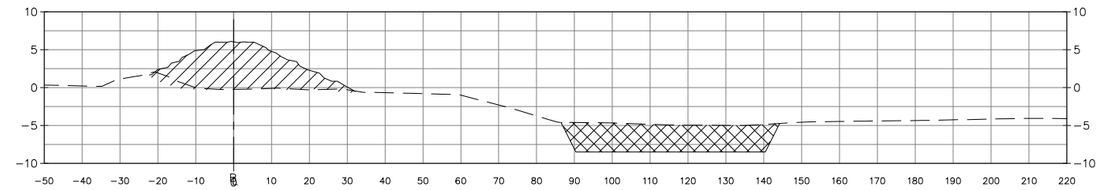
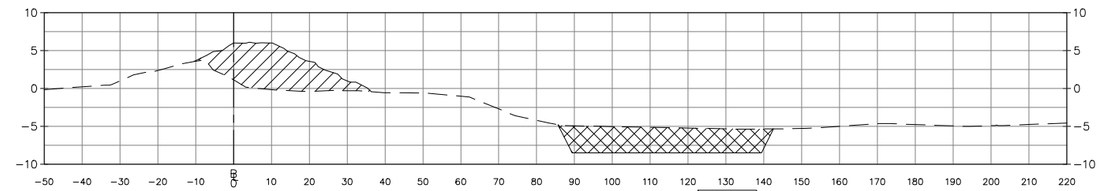


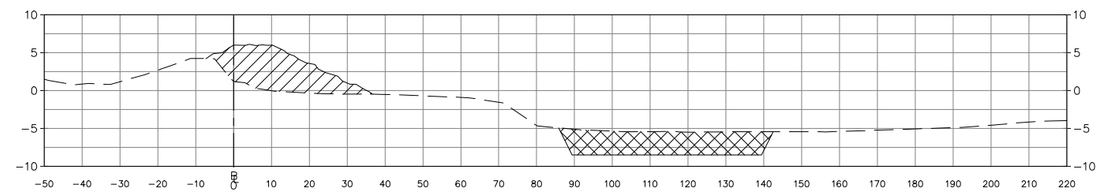
57+33.30



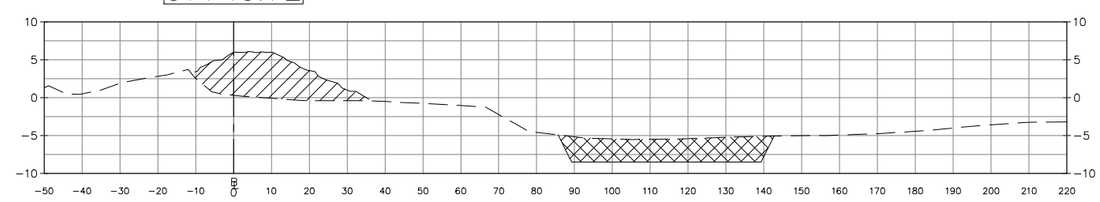
55+40.03



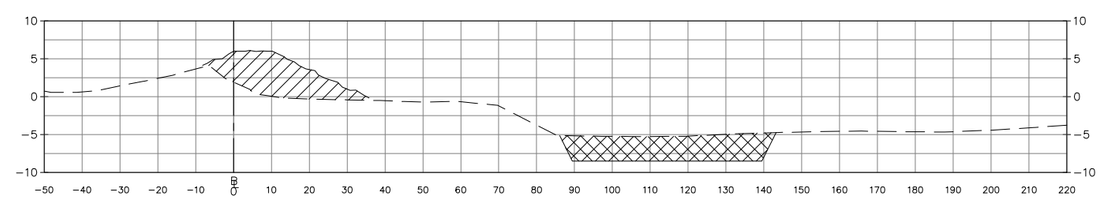
53+61.14



51+45.72



49+42.87



47+48.47

0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3838 TIGER BAYOU ROAD
GONZALES, LOUISIANA 70737
(225) 647-9120

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

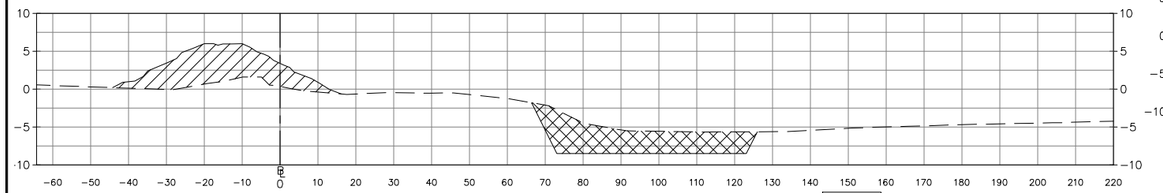
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

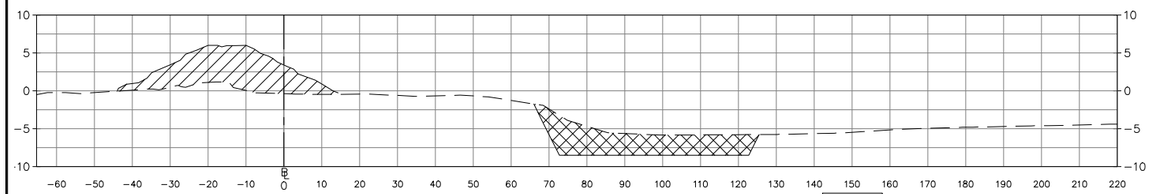
DATE: 03/20/2019

SHEET 12 OF 25

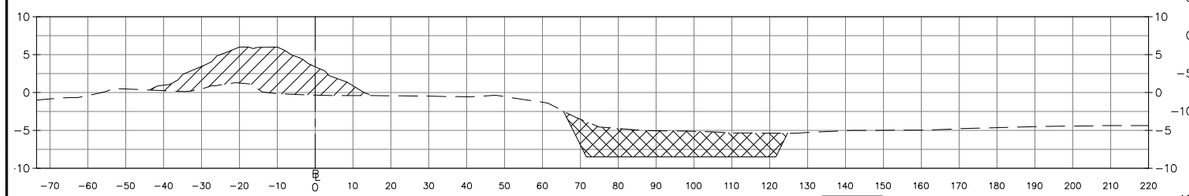
JUG LAKE CROSS SECTIONS
LOOKING EAST



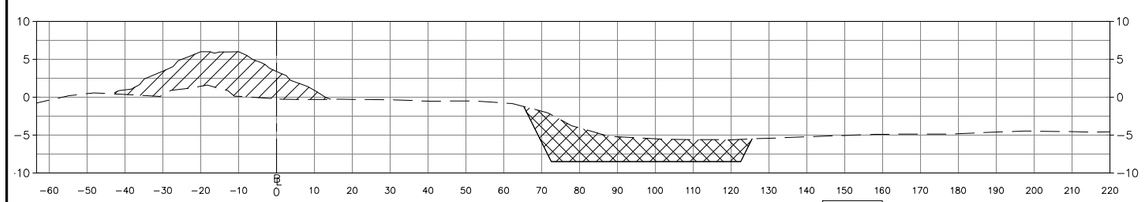
69+38.25



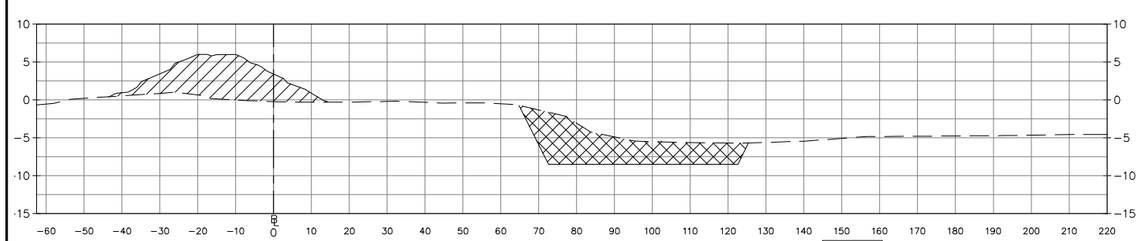
67+55.70



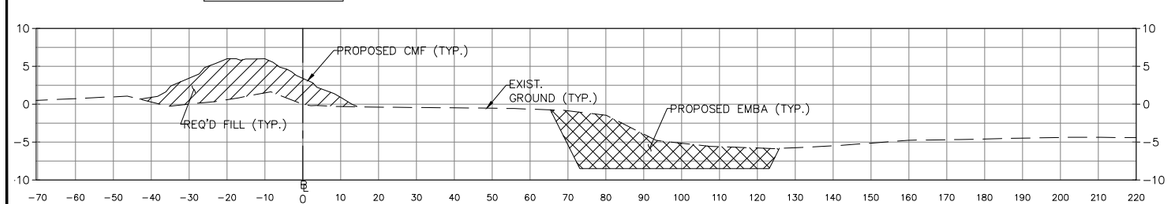
65+41.33



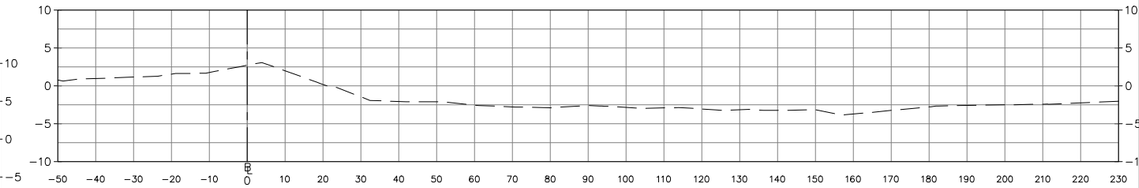
63+37.62



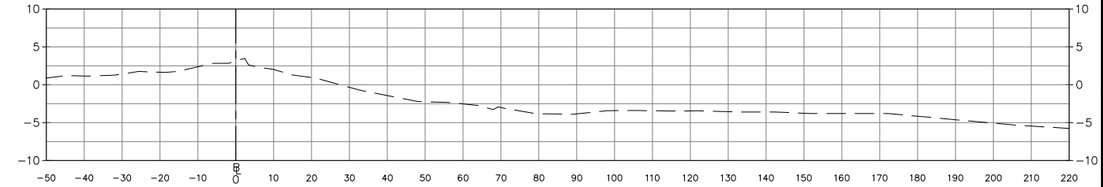
61+47.42



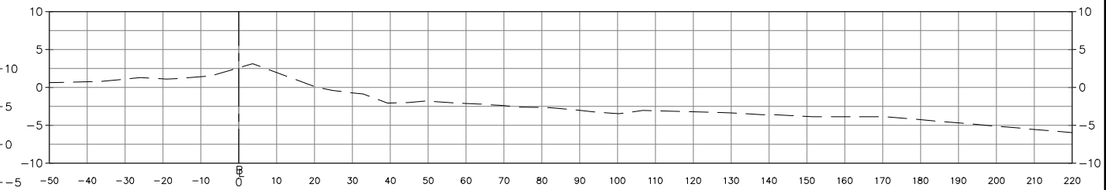
59+41.61



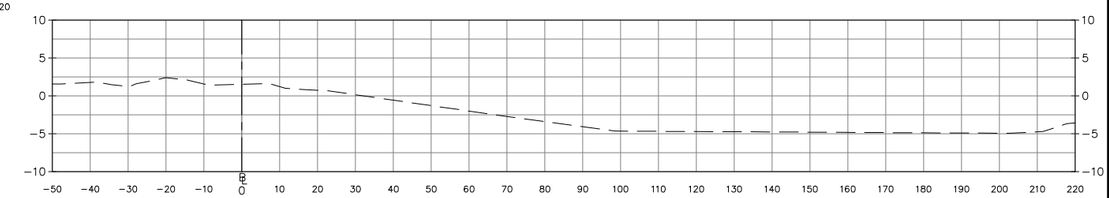
81+20.29



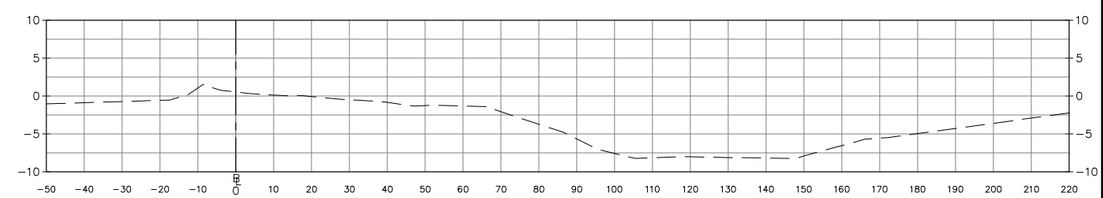
79+45.28



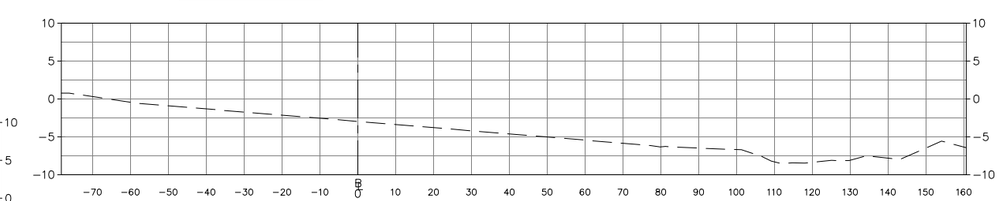
77+51.37



75+51.57



73+33.45



72+27.97

0 20' 40'

HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3838 PARKWOOD AVENUE
BATON ROUGE, LOUISIANA 70816
(225) 293-8765

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

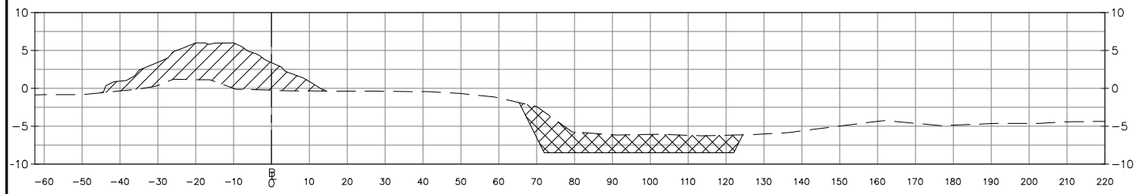
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

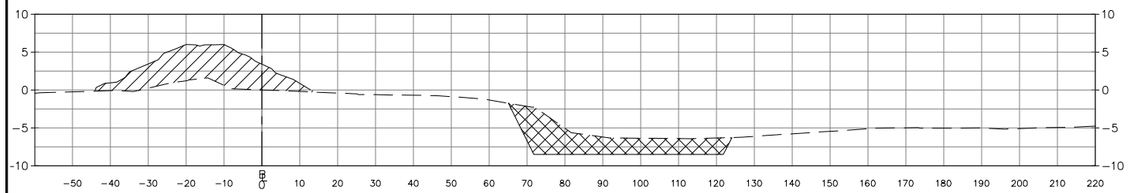
STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

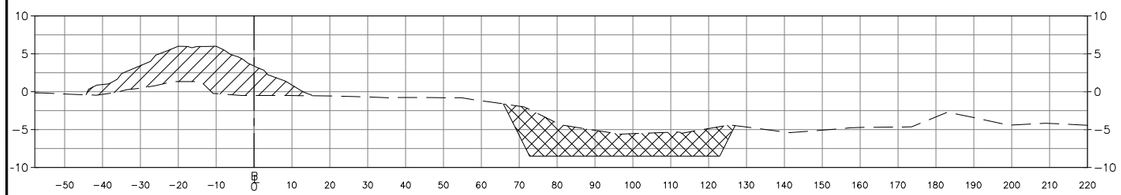
DATE: 03/20/2019

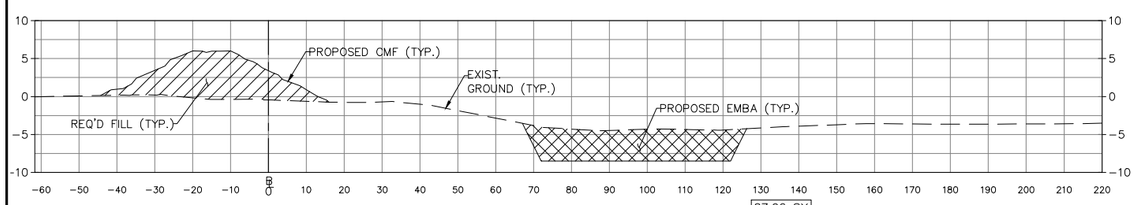
SHEET 13 OF 25

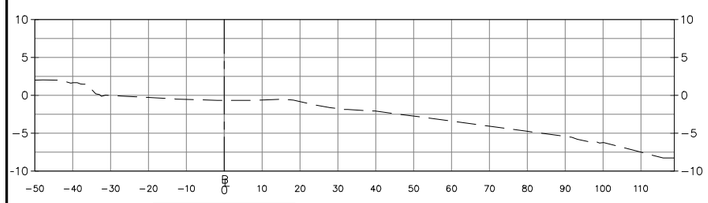
JUG LAKE CROSS SECTIONS
LOOKING EAST

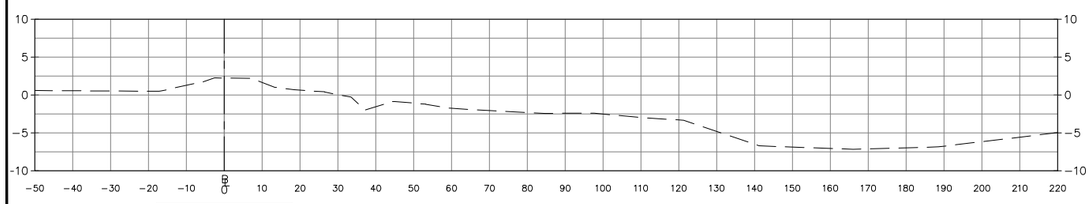


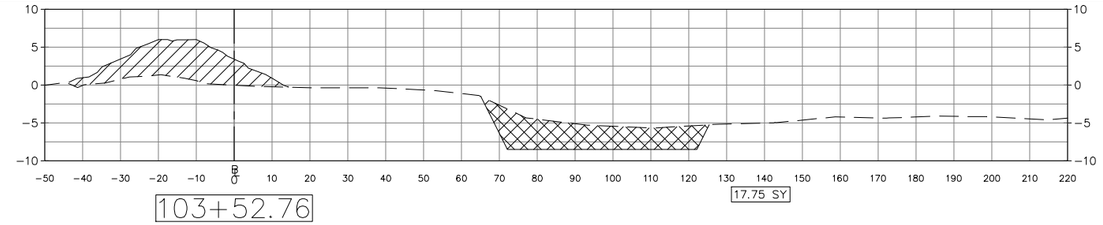


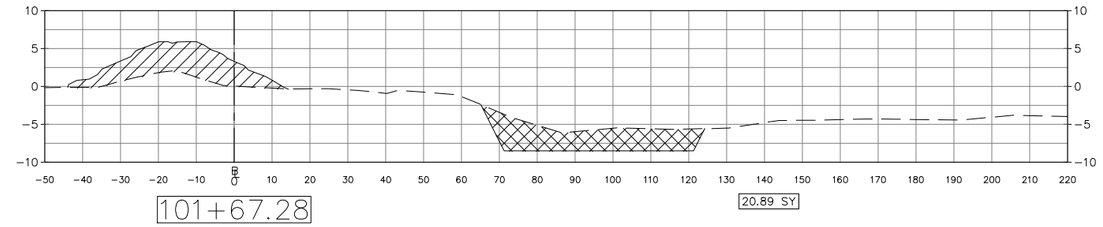


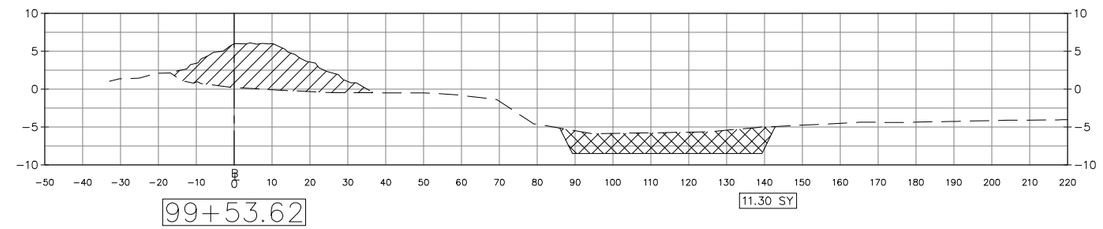


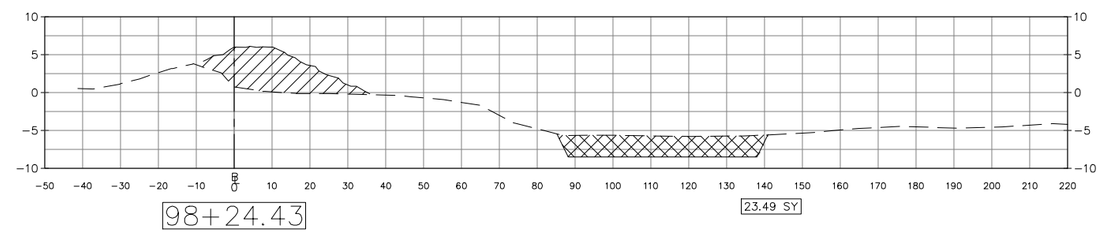


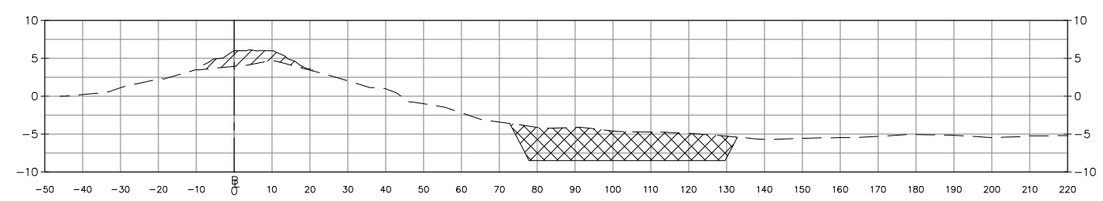


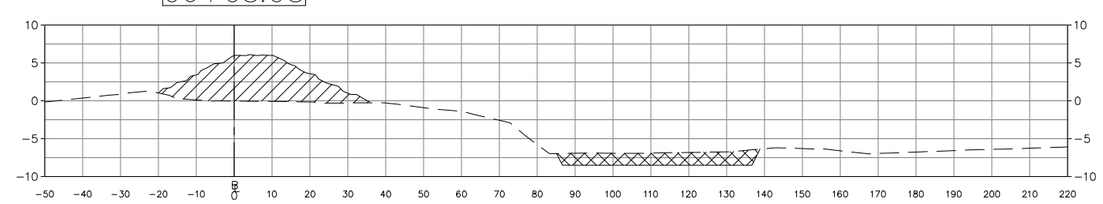












0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3600 PROMENADE AVENUE
BATON ROUGE, LA 70808
(225) 383-5037

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

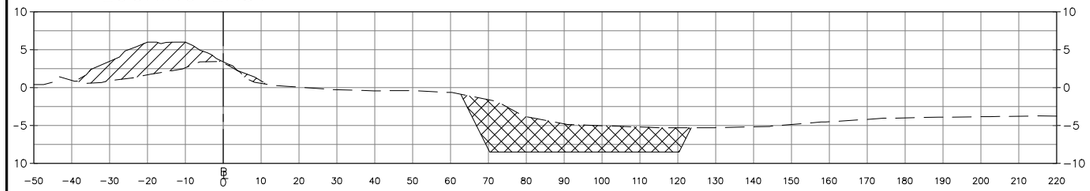
STATE PROJECT NUMBER: TE-28

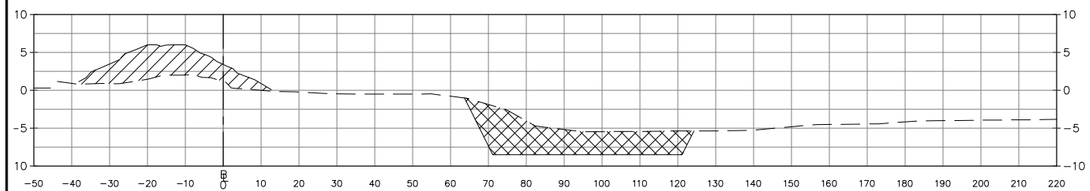
DRAWN BY: JNS

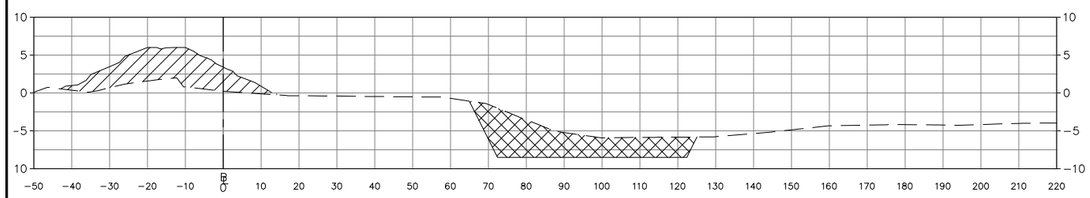
DATE: 03/20/2019

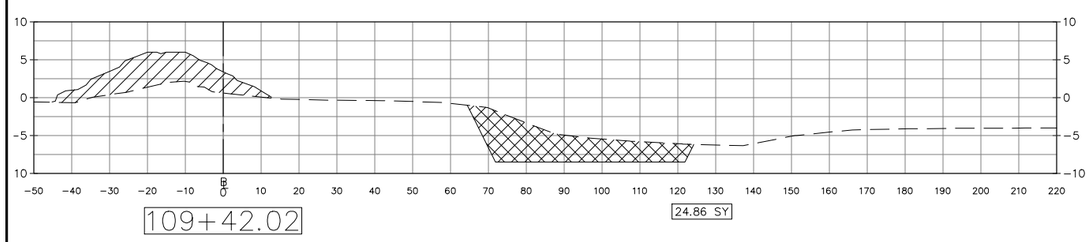
SHEET 14 OF 25

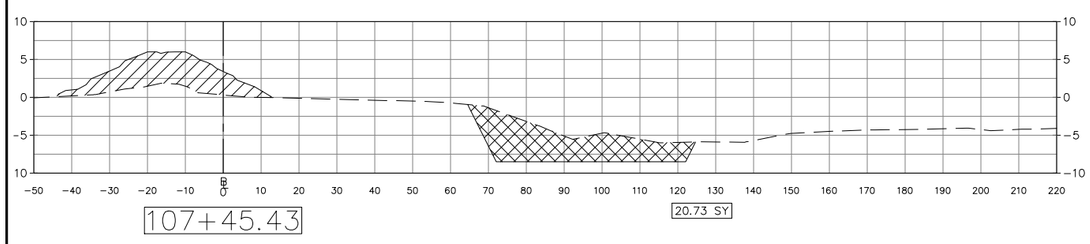
JUG LAKE CROSS SECTIONS
LOOKING EAST

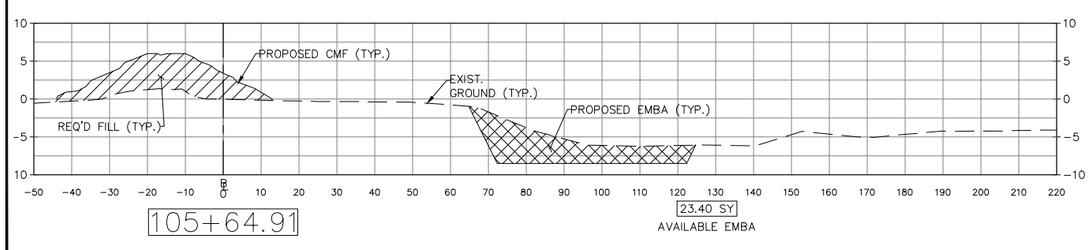


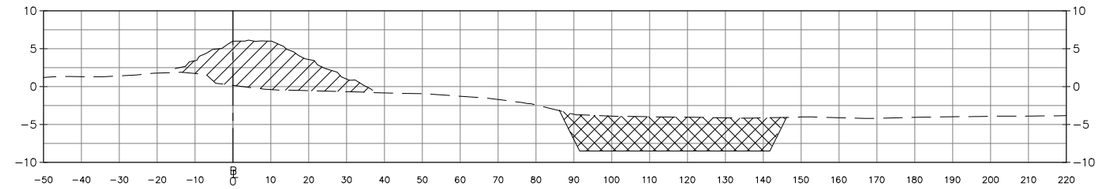


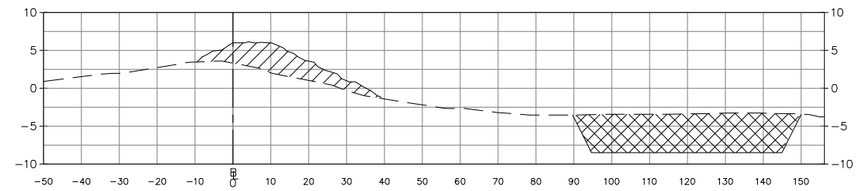


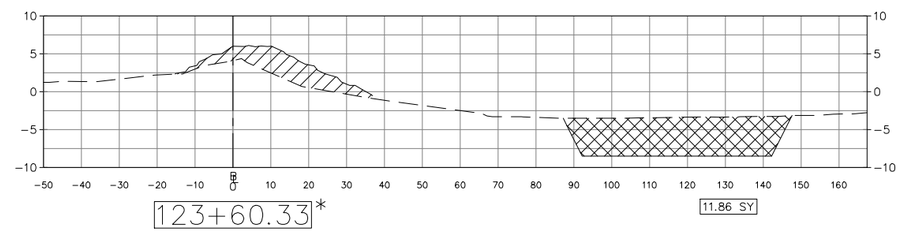


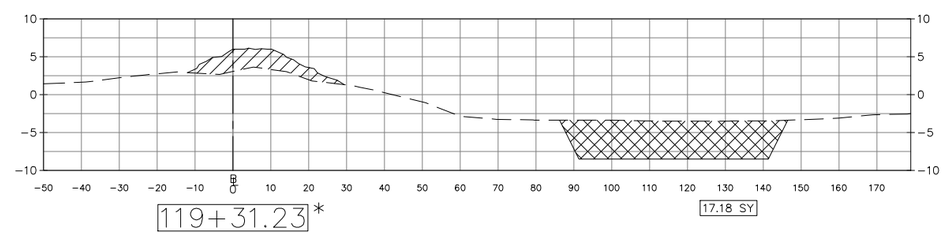


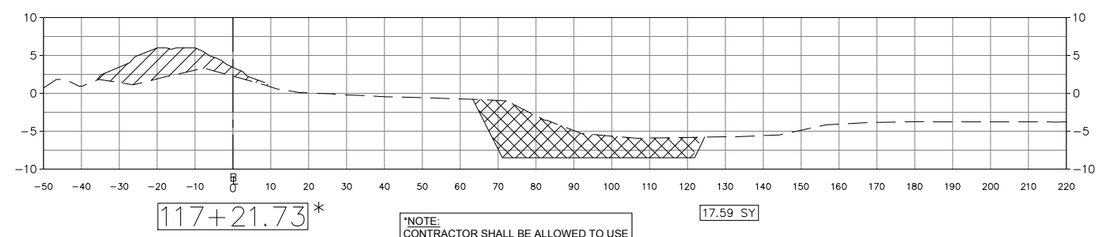












*NOTE:
CONTRACTOR SHALL BE ALLOWED TO USE ADDITIONAL EMBA SHOWN ON SHT 10 AS REQUIRED TO ACHIEVE QUANTITY.

0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
03/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3838 PARKWOOD AVENUE
BATON ROUGE, LA 70816
(225) 293-8300

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

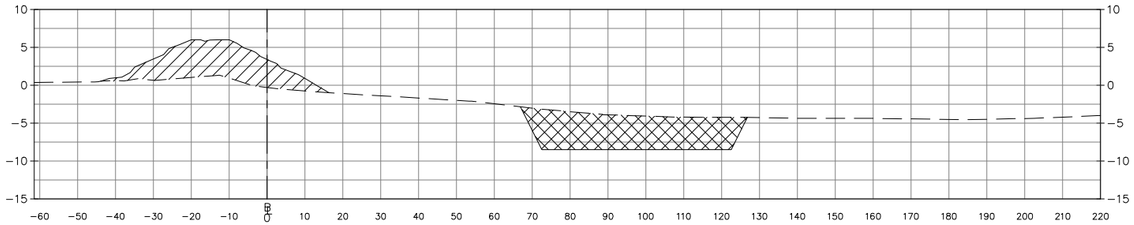
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

DATE: 03/20/2019

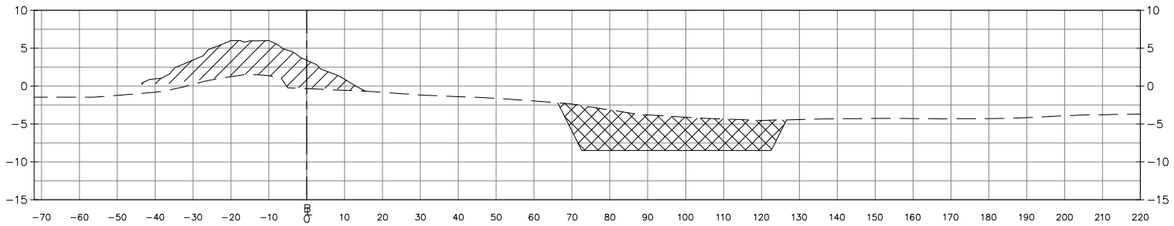
SHEET 15 OF 25

JUG LAKE CROSS SECTIONS
LOOKING EAST



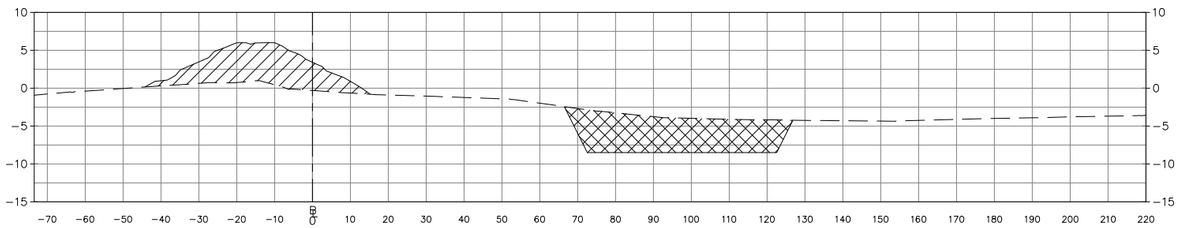
136+58.71

26.47 SY



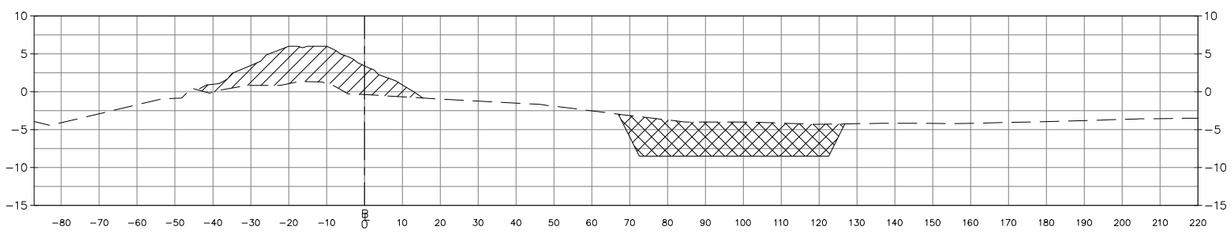
134+64.75

26.47 SY



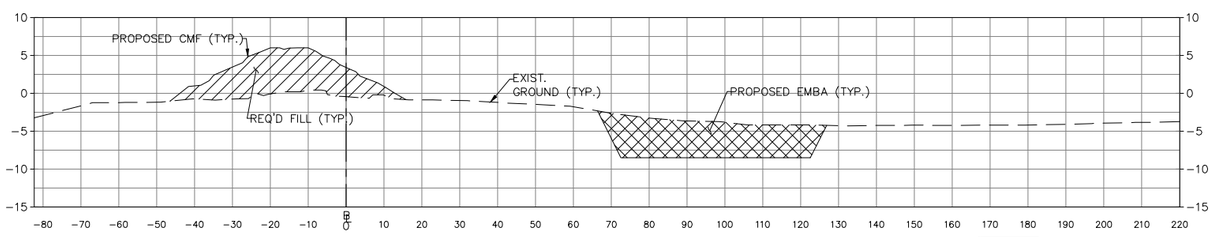
132+65.95

23.67 SY



130+86.52

36.57 SY



129+86.24

42.46 SY
AVAILABLE EMBA

0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 20'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
5/6/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3555 PROMENADE AVENUE
BATON ROUGE, LOUISIANA
(225) 293-8765

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

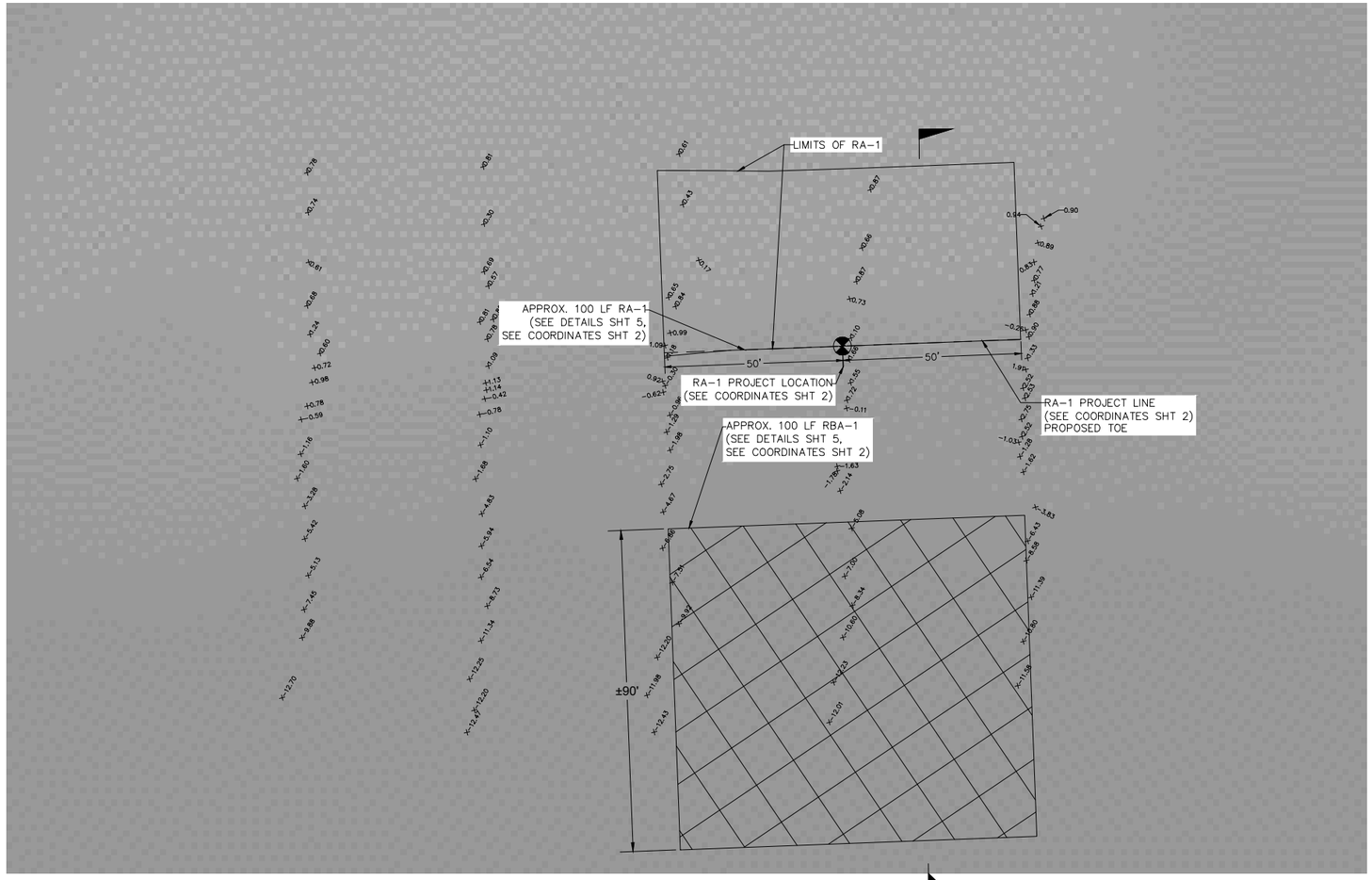
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

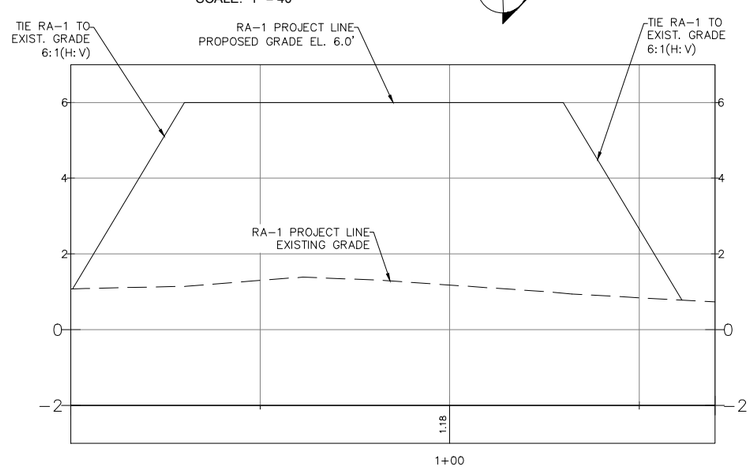
SHEET 16 OF 25



PLAN - RA-1 STA: 0+00 TO STA: 2+30

SCALE: 1" = 40'

C 5



PROFILE - RA-1 STA: 0+00 TO STA: 2+30

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

GRID NORTH
NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 20' 40'
HORIZ: 1" = 40'
VERT: 1" = 4'

LEGEND

BORROW AREA (RBA/EMBA)

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3850 PERKINS AVENUE
BATON ROUGE, LOUISIANA 70808
(225) 343-1224
(225) 343-1225 (FAX)
www.allsouthcg.com

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

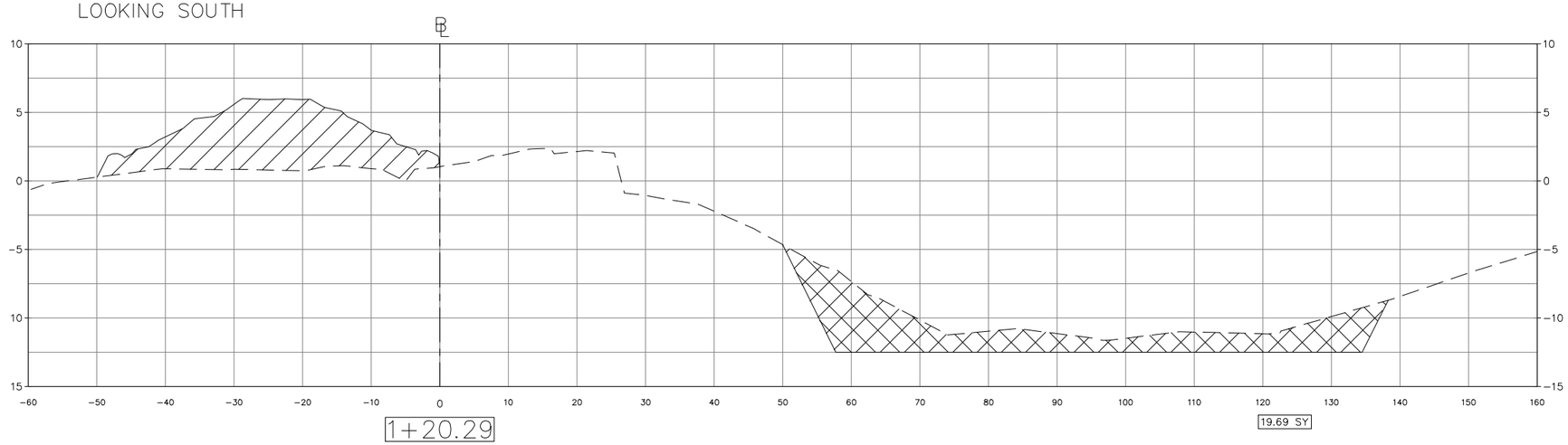
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

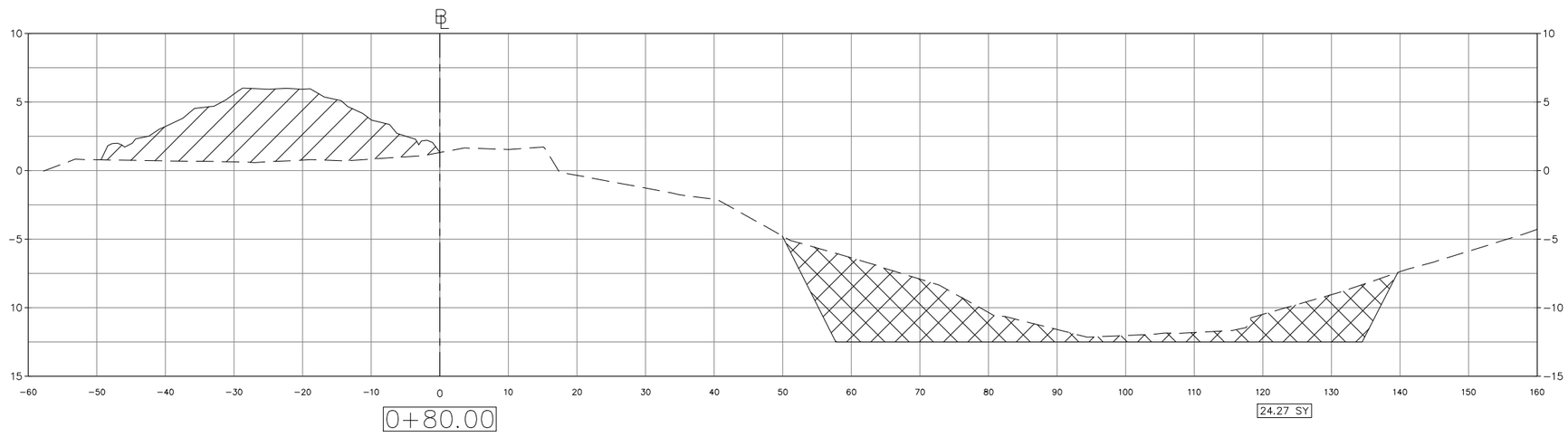
STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

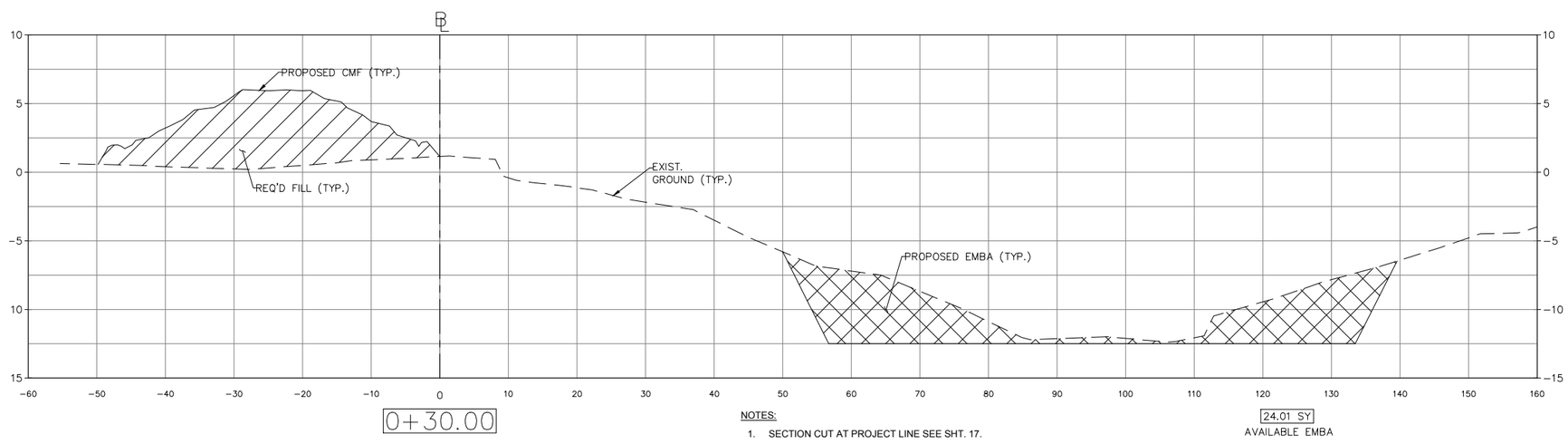
DATE: 03/20/2019

SHEET 17 OF 25

RA-1 CROSS SECTIONS
LOOKING SOUTH







0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 17.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3555 PINCKNEY AVENUE
BATON ROUGE, LOUISIANA
(225) 343-4375
GOO3555R25

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

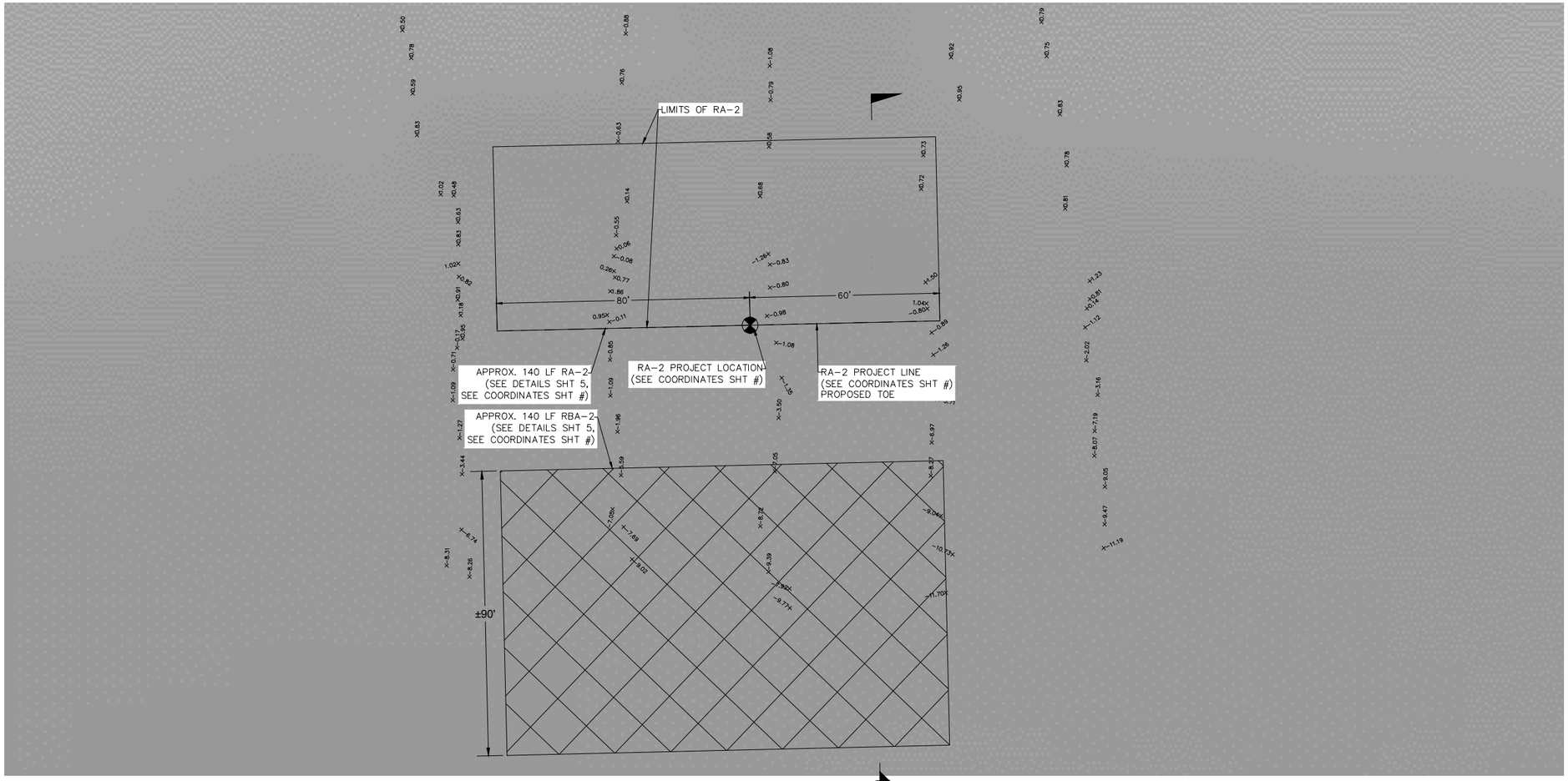
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

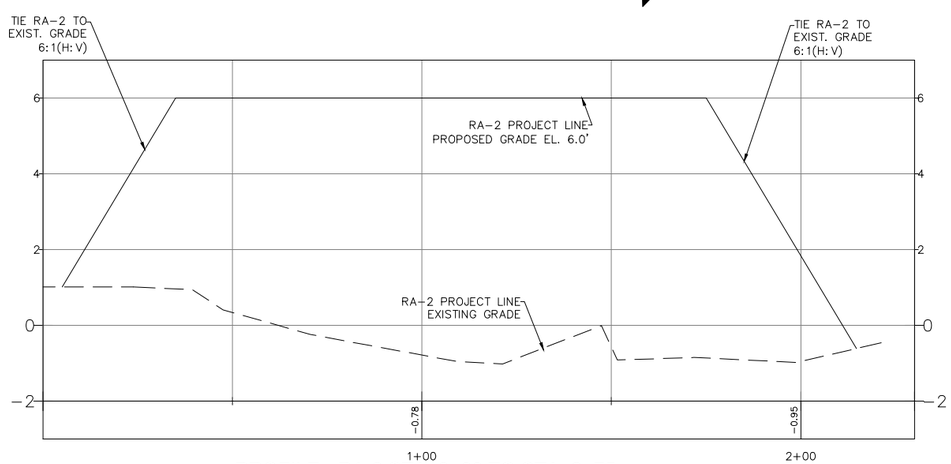
SHEET 18 OF 25



PLAN - RA-2 STA: 0+00 TO STA: 2+75

SCALE: 1" = 40'

C 5



PROFILE - RA-2 STA: 0+00 TO STA: 2+75

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

GRID NORTH

NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 20' 40'

HORIZ: 1" = 40'
VERT: 1" = 4'

LEGEND

BORROW AREA (RBA/EMBA)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3838 PARK CENTRAL AVENUE
METAIRIE, LOUISIANA 70002
504-305-0000
GOV-SERVICES

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

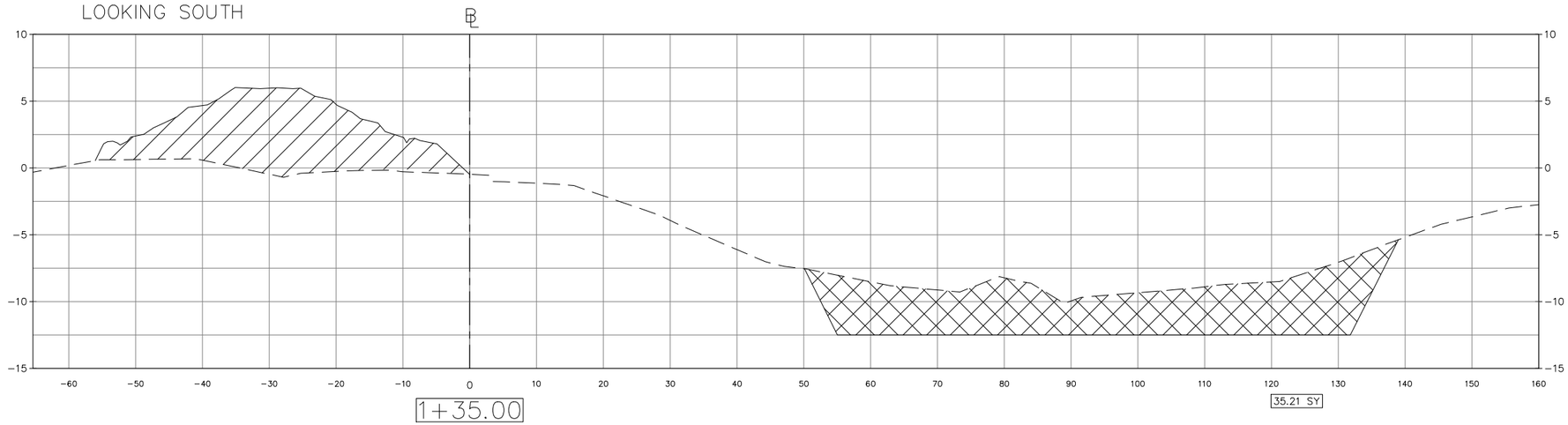
BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

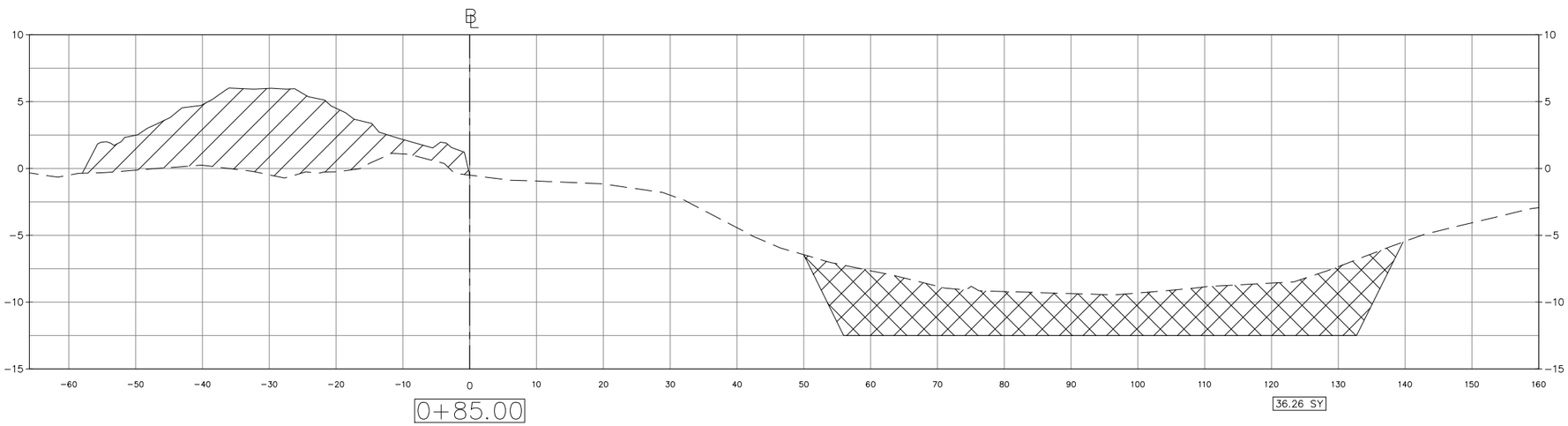
STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

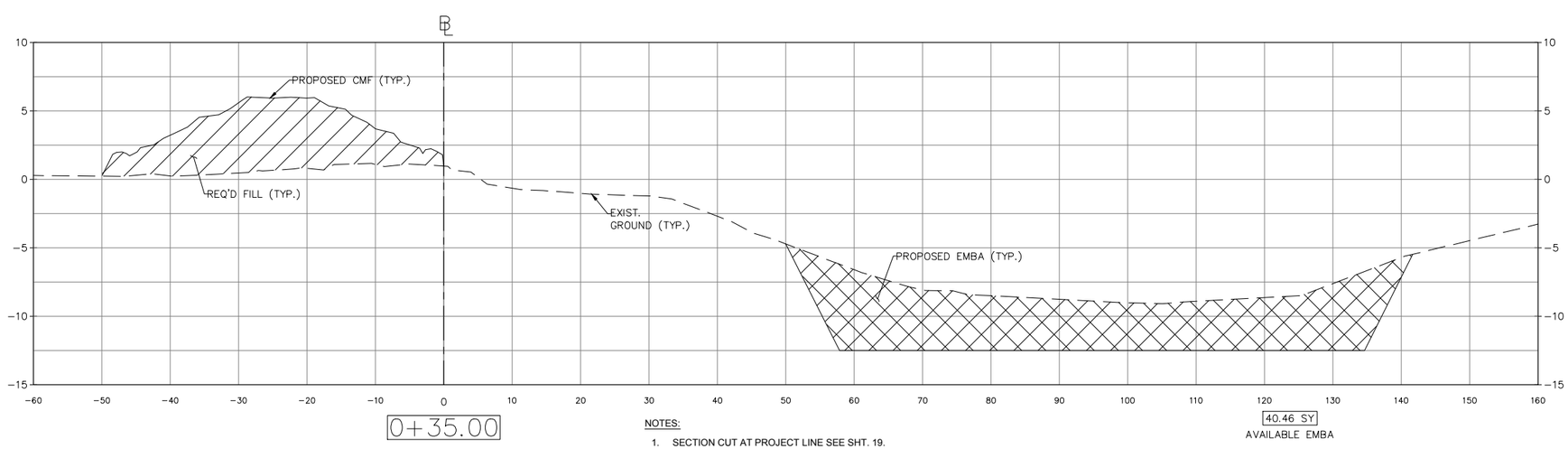
DATE: 03/20/2019

SHEET 19 OF 25

RA-2 CROSS SECTIONS
LOOKING SOUTH







NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 19.

0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3555 PARK FOUNTAIN AVENUE
BATON ROUGE, LOUISIANA 70816
(225) 293-8300
(225) 293-8302 (FAX)

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

SHEET 20 OF 25

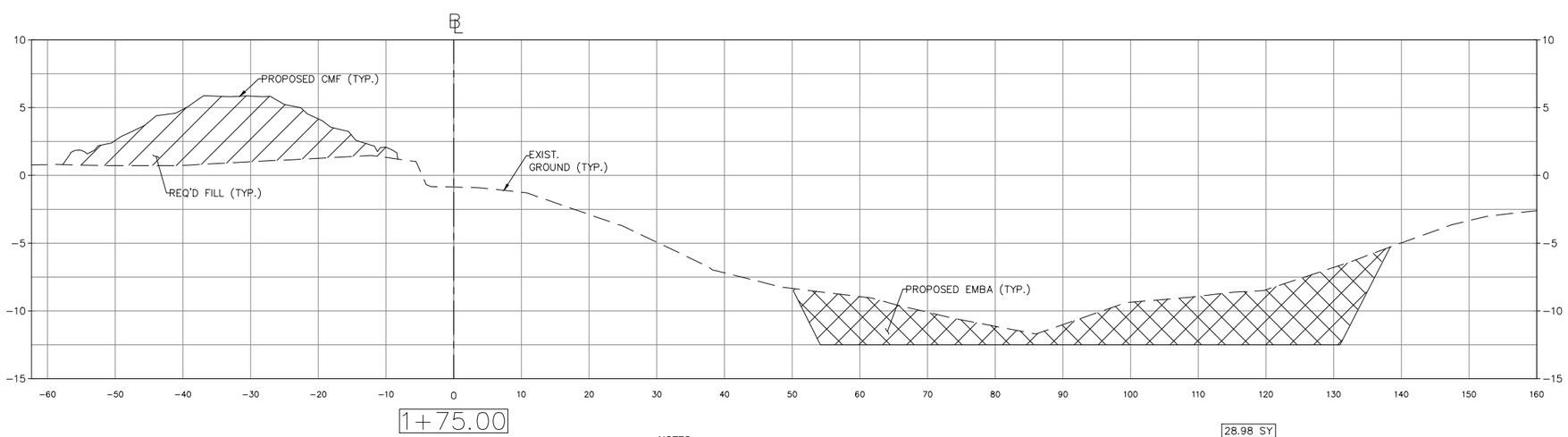
RA-2 CROSS SECTIONS
LOOKING SOUTH

0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)



1+75.00

28.98 SY
AVAILABLE EMBA

NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 19.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
1055 PARK FOREST AVENUE
HOUMA, LOUISIANA 70360
(504) 580-8778

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

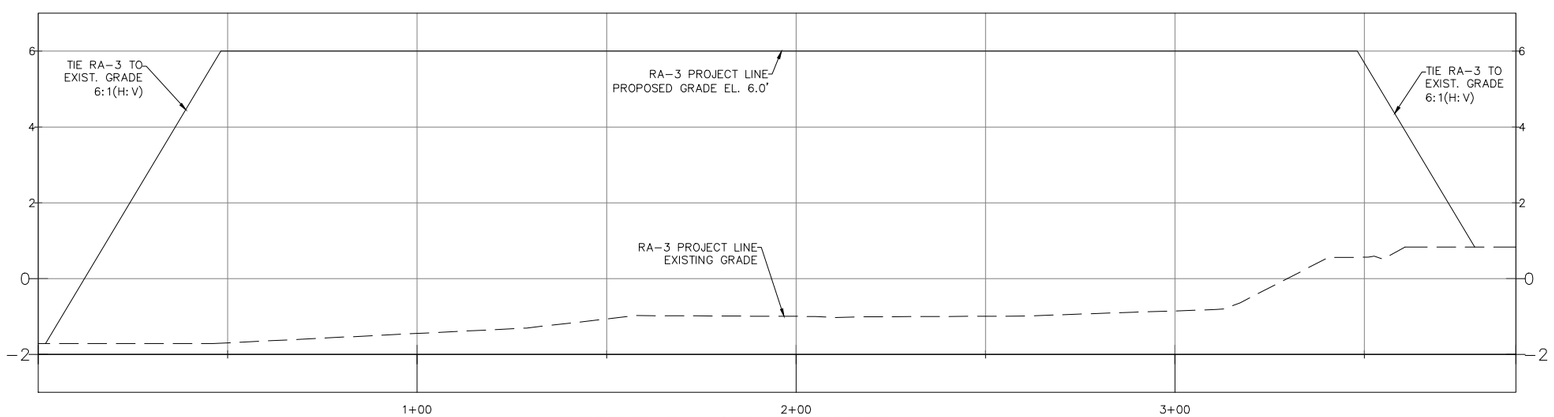
DRAWN BY: JNS

DATE: 03/20/2019

SHEET 21 OF 25

PLAN - RA-3 STA: 0+00 TO STA: 3+00

SCALE: 1" = 40'



PROFILE - RA-3 STA: 0+00 TO STA: 3+00

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

GRID NORTH

NORTH REFERENCED TO LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

0 20' 40'

HORIZ: 1" = 40'
VERT: 1" = 4'

LEGEND

BORROW AREA (RBA/EMBA)

NOTES:

1. CMF SHOWN AS SMOOTH GRADE FOR CLARITY. FINISH GRADING NOT REQ'D PER SHT 5.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
3850 PARKER FLY AVENUE
BATON ROUGE, LOUISIANA 70805
(225) 355-4200

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

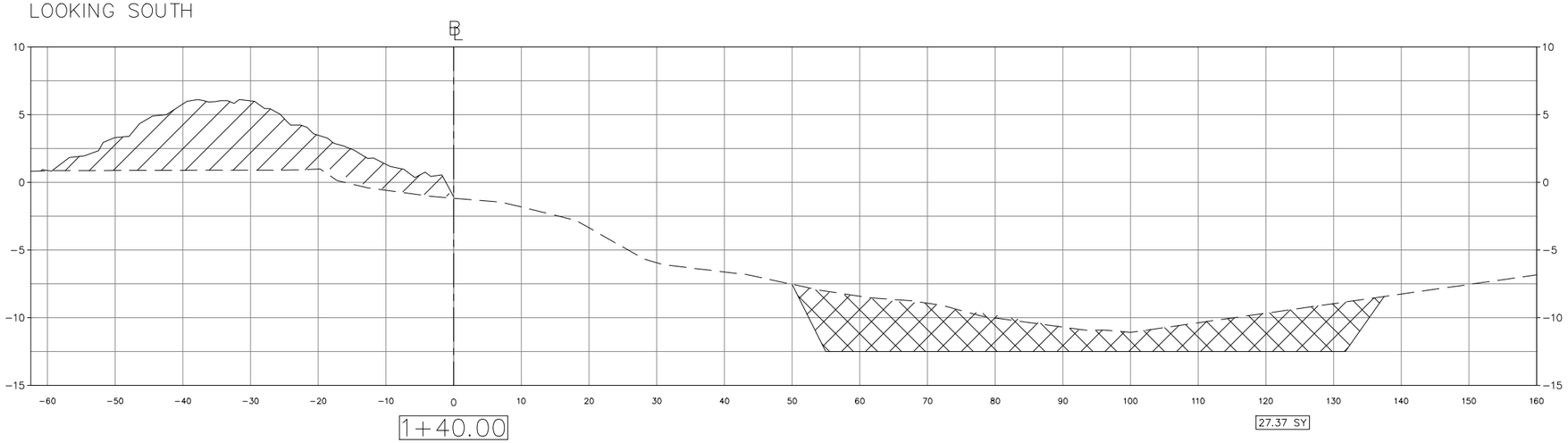
STATE PROJECT NUMBER: TE-28

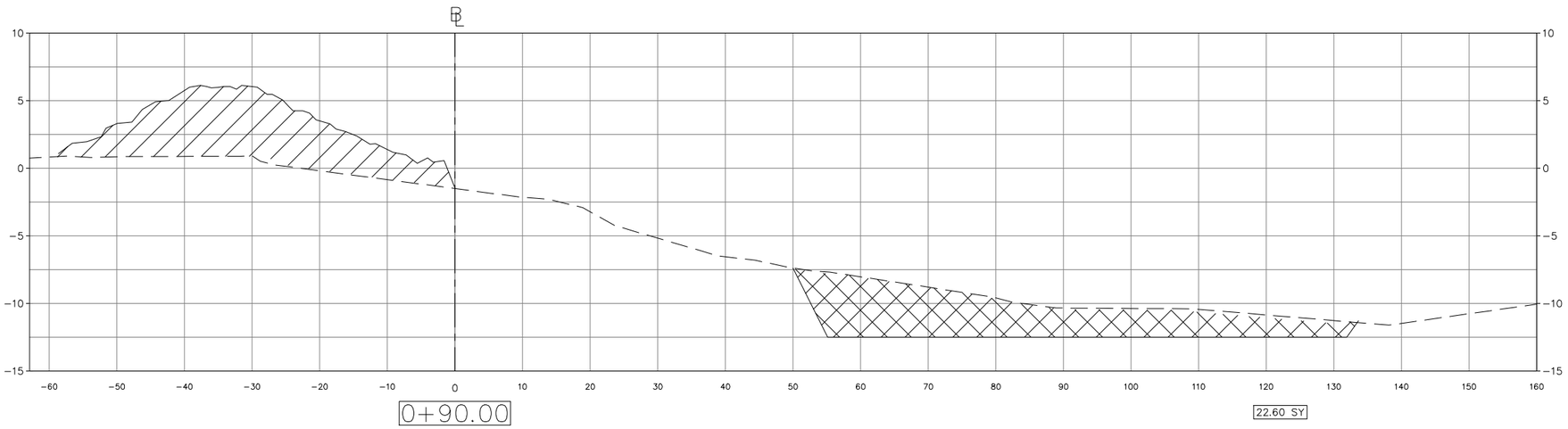
DRAWN BY: JNS

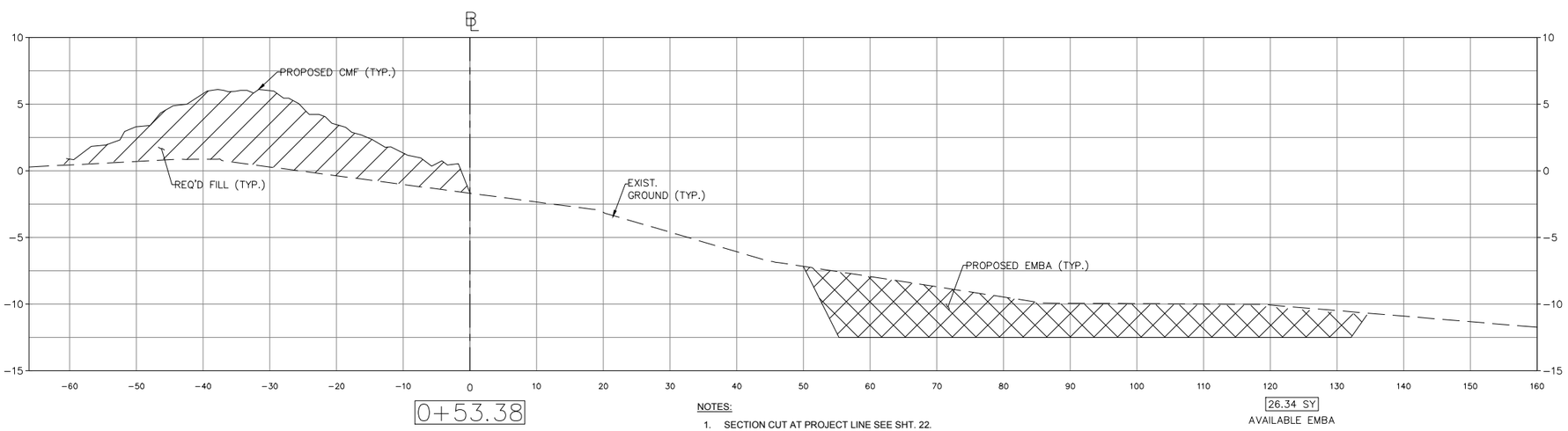
DATE: 03/19/2019

SHEET 22 OF 25

RA-3 CROSS SECTIONS
LOOKING SOUTH







NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 22.

0 10' 20'

HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

STATE OF LOUISIANA
JARRET BAUER
License No. 38720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
1055 PLANKERS AVENUE
BATON ROUGE, LA 70808
(225) 336-5679

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

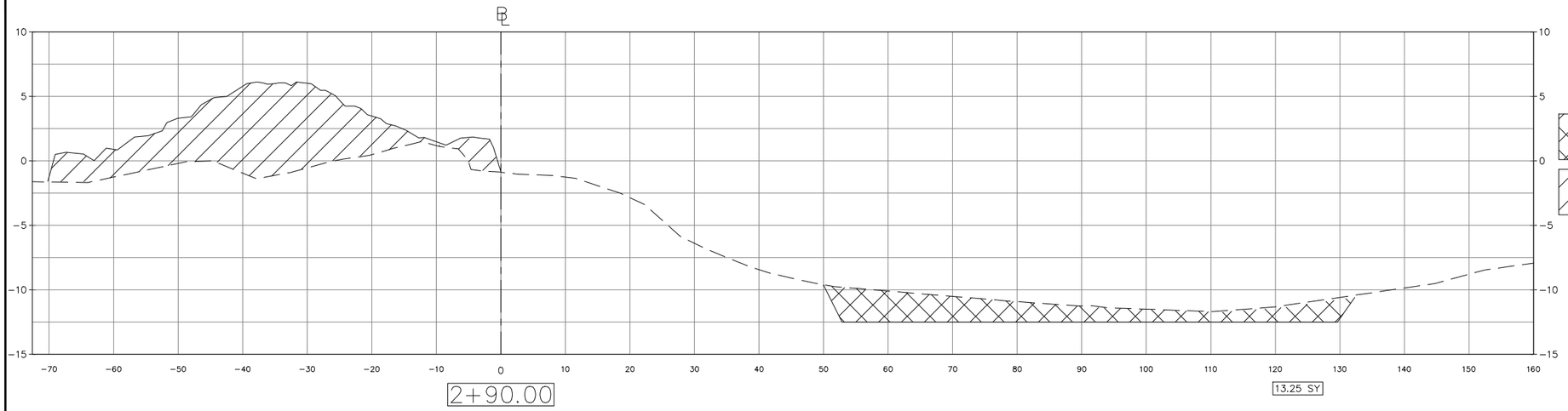
STATE PROJECT NUMBER: TE-28

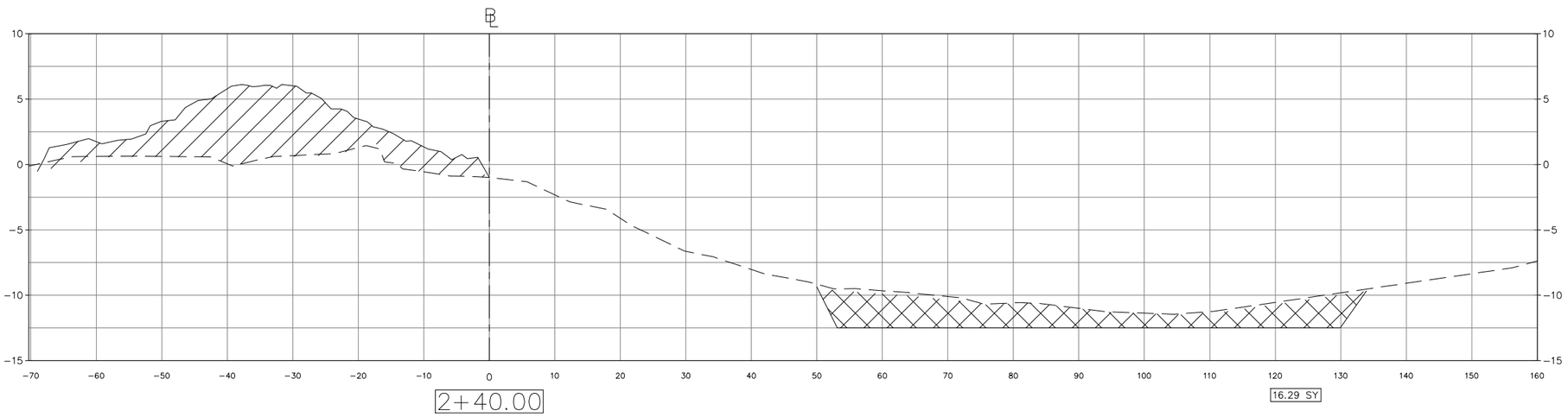
DRAWN BY: JNS

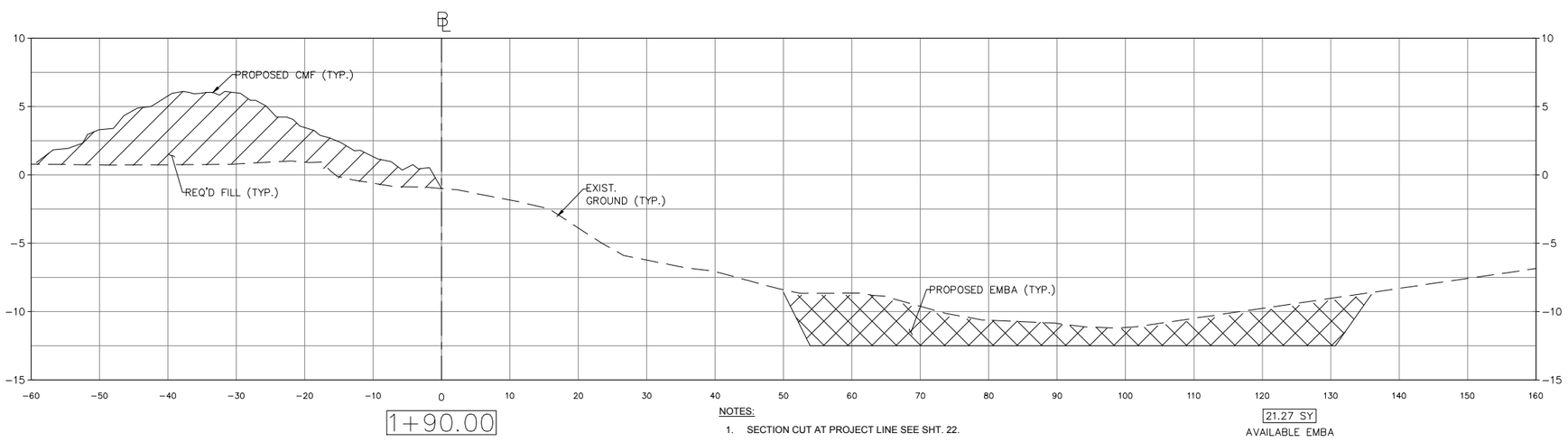
DATE: 03/20/2019

SHEET 23 OF 25

RA-3 CROSS SECTIONS
LOOKING SOUTH







0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)

NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 22.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
3/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
4888 PLANKERSHAM AVENUE
BATON ROUGE, LOUISIANA
(225) 293-8300

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB

APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28

DRAWN BY: JNS

DATE: 03/20/2019

SHEET 24 OF 25

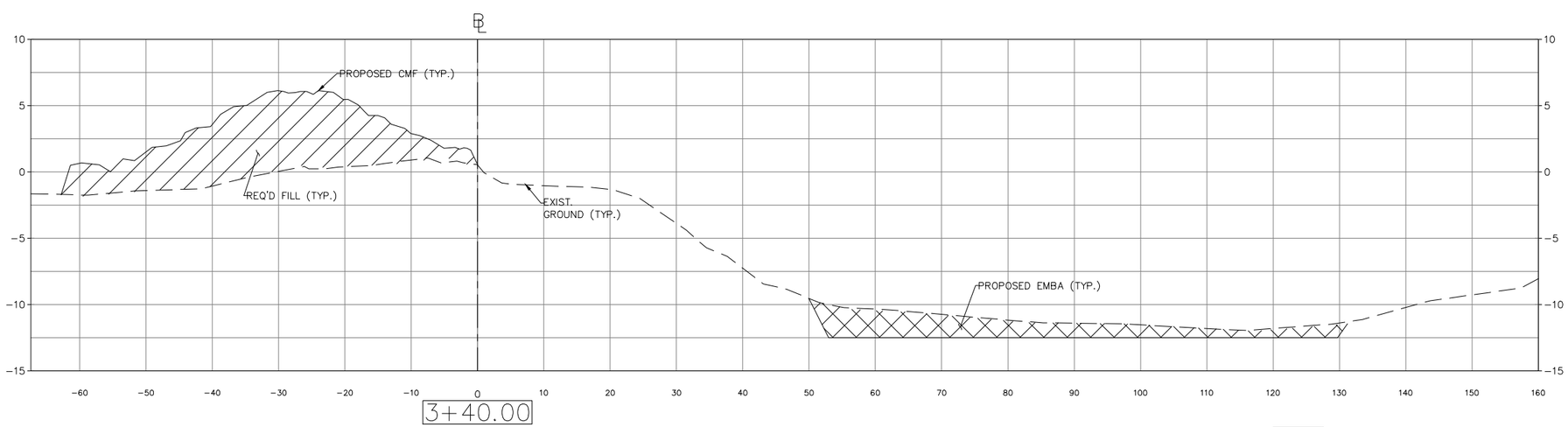
RA-3 CROSS SECTIONS
LOOKING SOUTH

0 10' 20'
HORIZ: 1" = 20'
VERT: 1" = 10'

LEGEND

BORROW AREA (RBA/EMBA)

CONSTRUCTION MAINTENANCE FILL (CMF)



10.87 SY
AVAILABLE EMBA

NOTES:

1. SECTION CUT AT PROJECT LINE SEE SHT. 22.

STATE OF LOUISIANA
JARRET BAUER
License No. 36720
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
9/20/19

REV.	DATE	DESCRIPTION	BY

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
1555 PLANK ROAD, DONALDSONVILLE
NEW ORLEANS, LOUISIANA
(504) 392-5151

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

2018 MAINTENANCE EVENT

DESIGNED BY: JEB
APPROVED BY: SCB

BRADY CANAL
HYDROLOGIC RESTORATION
TERRABONNE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-28
DRAWN BY: JNS

DATE: 03/20/2019

SHEET 25 OF 25