



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil

Public Notice

APPLICATION NO.:	<u>MVK-2008-1006</u>
EVALUATOR:	<u>Ms. Camryn Willoughby</u>
PHONE NO.:	<u>(601) 631-5478</u>
E-MAIL:	<u>Camryn.E.Willoughby@usace.army.mil</u>
DATE:	<u>May 3, 2024</u>
EXPIRATION DATE:	<u>May 24, 2024</u>

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District is considering an application for a Department of the Army Permit for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-RD and must reach this office by the cited expiration date.

The Clean Water Act (CWA) Section 401 Water Quality Certification Improvement Rule (Certification Improvement Rule, 40 CFR 121), effective November 27, 2023, requires certification for any license or permit that authorizes an activity that has the potential to result in a discharge. The scope of a CWA Section 401 certification is limited to assuring that a discharge from a Federally licensed or permitted activity will comply with water quality requirements. The applicant is responsible for requesting certification and providing required information to the certifying agency. As of the date of this public notice, the applicant has submitted a certification request to the Louisiana Department of Environmental Quality (certifying authority). In accordance with Certification Improvement Rule, once the applicant submits a certification request, the U.S. Army Corps of Engineers and the certifying authority will jointly establish the reasonable period of time for the certifying authority to act upon the certification request.

Law Requiring a Permit: Section 10 and 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged and/or fill material into waters of the United States.

Name of Applicant:
Honorable Buz Craft
Mayor, City of Vidalia
101 Front Street
Vidalia, Louisiana 71373

Name of Agent:
Mr. Keith Capdepon, Jr.
Bryant Hammett & Associates, LLC
6885 Highway 84 West
Ferriday, Louisiana 71334

Location of Work: The proposed project site is located in Concordia Parish, Louisiana, Section 23, T7N-R10E, Latitude 31.536789, Longitude -91.482899 within the Lower Mississippi-Natchez Drainage Basin (8-digit USGS HUC 08060100).

Description of Work: (See enclosed maps and drawings.)

The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit to conduct regulated activities in “Waters of the U.S.” for the purpose of enhancing the existing Vidalia Port by constructing a slack water barge docking area within Concordia Parish, Louisiana.

The proposed project would constitute excavation of an entrance slip from the Mississippi River, approximately 150’ wide x 880’ long. The depth would be to the slack water slip bottom depth of 14’ mean sea level. Side slopes of the dredged channel would be approximately three to one. The bottom of the slack water area dimensions is proposed to be approximately 475’ x 772’, with the 772’ being parallel to the river and levee. The dredged material would be disposed of on the upstream side of the port access road to construct a work pad on that side of the access road. Approximate dimensions of the work pad would be 950’ x 375’.

Approximately 28.6 acres of forested wetlands would be permanently impacted via the placement of earthen fill and/or riprap and a navigable entrance channel would be dredged from the Mississippi River into the slack water port. Riprap would also be placed around portions of the dredged channel for stabilization. Approximately 400,000 cubic yards of fill would be placed into jurisdictional waters.

The dominant vegetation at the project site is composed of black willow, smartweed, buttercup, ground-leaf groundsel, alligator weed, and other wetland species. Soils within the project site consist of Guyton silt loam, Abita silt loam, and Arat silty clay loam with NRCS hydric ratings of 94, 5, and 86 percent, respectively.

The applicant proposes to mitigate for the unavoidable loss of jurisdictional wetlands through the purchase of credits from an USACE approved mitigation bank that services the project area.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

State Water Quality Permit: The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

Cultural Resources: The Regulatory Archaeologist has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible, and other sources of information. Currently this office is coordinating with the State Historic Preservation Officer, Federally recognized Tribes, and other interested parties regarding potential effects to historic properties that could result from the proposed activity.

Copies of this public notice have been sent to the State Historic Preservation Officer, Federally Recognized Tribes, and other interested parties for comment on potential effects to historic properties that could result from the proposed activity.

Endangered Species: Threatened and Endangered Species for this area include the Northern Long-eared Bat, Pallid Sturgeon, and Fat Pocketbook. Utilizing the Standard Local Operating Procedure for Endangered Species (SLOPES) as signed on June 28, 2017, between the U.S. Army Corps of Engineers, Vicksburg District and the U.S. Fish and Wildlife Service and the Service's IPAC system, the Corps has determined that the proposed activity would have no effect on the Northern Long-eared Bat. Further consultation is required for the Fat Pocketbook and Pallid Sturgeon. Also, the project should not negatively impact the proposed threatened Alligator Snapping Turtle.

Floodplain: In accordance with 44 CFR Part 60 (Floodplain Management and Use), participating communities are required to review all proposed development to determine if a floodplain development permit is required. Floodplain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements. The project site is located within the 100-year floodplain.

Evaluation Factors: The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

Public Involvement: The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These comments will be used to evaluate the impacts of this project. All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

Opportunity for a Public Hearing: Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

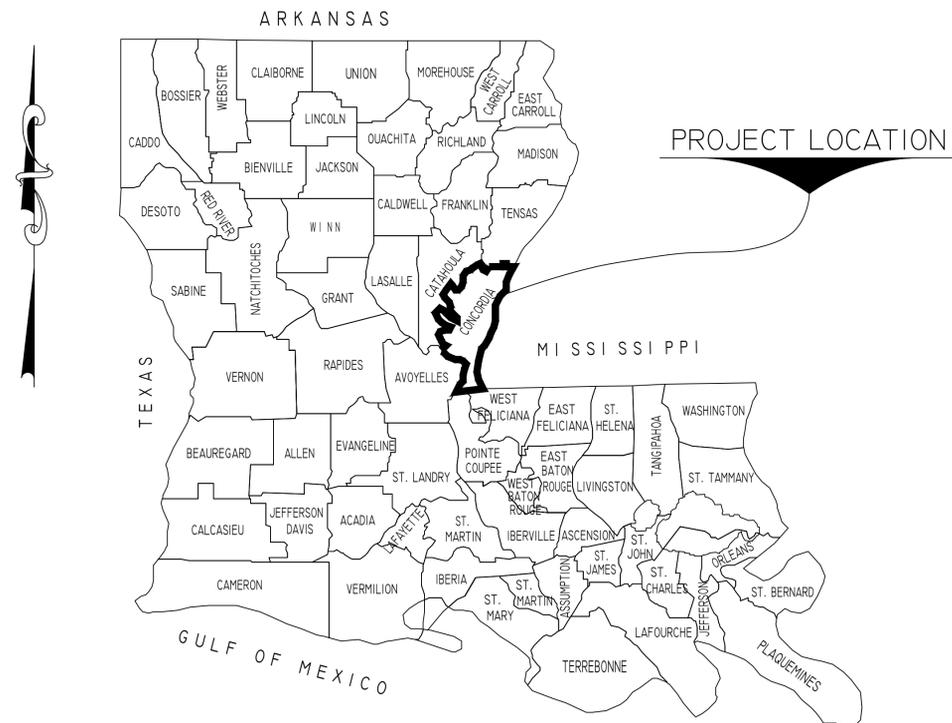
Notification of Final Permit Actions: Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/Missions/Regulatory.aspx>.

Andy Sanderson
Chief, Louisiana Branch
Regulatory Division

CITY OF VIDALIA

PORT OF VIDALIA

SLACK WATER SLIP



VICINITY MAP
JULY 2023

Bryant Hammett And Associates, L.L.C.
6885 Highway 84 West
Ferriday, Louisiana 71334
(318) 757-6576

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING SITE PLAN
3	DEMOLITION PLAN
4	PROPOSED SITE PLAN
5-6	PROFILES
7-9	DETAILS



PLANS PREPARED BY

C. Keith Capdepon, Jr.

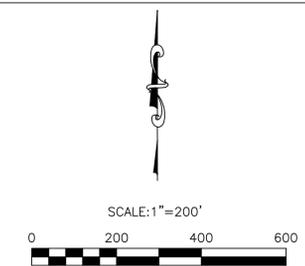
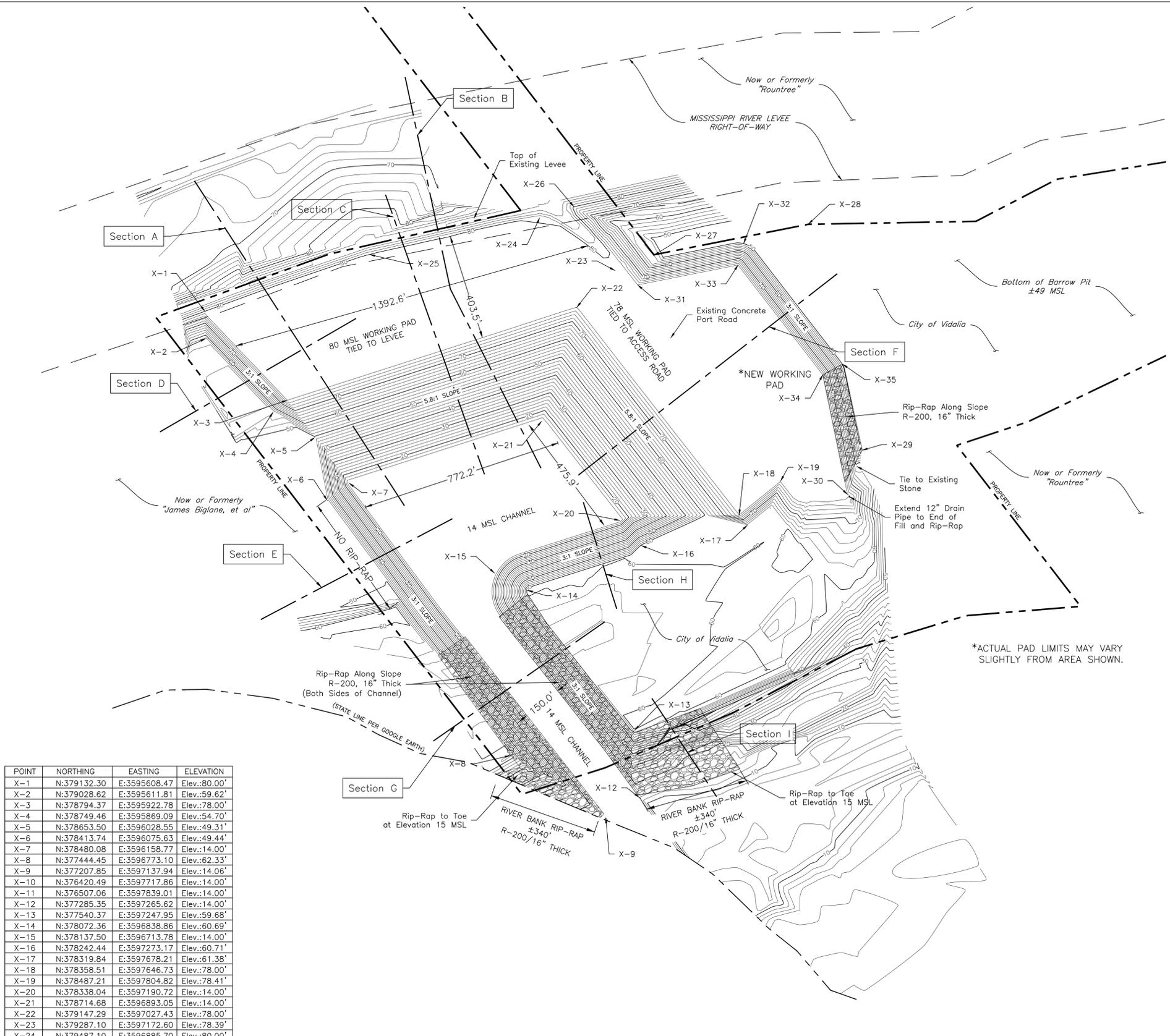
C. KEITH CAPDEPON, JR., P.E.
BRYANT HAMMETT AND ASSOCIATES
REG. NO. 22157

DATE:	7/2023
DRAWN BY:	PES
DESIGNED BY:	CAC/JF
CHECKED BY:	CAC/JF

BRYANT HAMMETT & ASSOCIATES, LLC
 CIVIL ENGINEERING & LAND SURVEYING
 6885 HWY. 84 WEST - FERRIDAY, LA 71334
 (318) 757-6576



NO.	DESCRIPTION	BY
1	Revised Slip Entrance 5-3-24	



PROJECT NOTES

- COORDINATES SHOWN ARE IN U.S. SURVEY FEET, AND ARE REFERENCED TO THE LOUISIANA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT.
- ELEVATIONS ARE SHOWN IN FEET REFERENCED TO MSL. TO MAKE A DIRECT COMPARISON BETWEEN MSL & NATCHEZ GAUGE, SUBTRACT 17.3 FROM MSL.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE EOR AND THE ENGINEER AS NECESSARY FOR CONSTRUCTION INSPECTION AND AS-BUILT CERTIFICATION. THE CONTRACTOR SHALL NOTIFY THE EOR AND OWNER AT THE APPROPRIATE AND APPROVED TIMES DURING THE COURSE OF THE WORK THAT THE CONTRACTOR IS READY FOR INSPECTION. WORK THAT IS ASSEMBLED OR COVERED SO THE ENGINEER CANNOT INSPECT THE WORK PROPERLY SHALL BE DISASSEMBLED, UNCOVERED, OR DESTROYED AS NECESSARY FOR INSPECTION. THE COST OF REPAIR OR RESTORATION OF THE WORK SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- ALL REQUIRED SUBMITTALS OR MANUFACTURERS INFORMATION SHALL BE IN U.S. CUSTOMARY UNITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ADJACENT FACILITIES, INCLUDING ALL ACCESS ROUTES TO AND FROM THE PERMANENT DISPOSAL LOCATION, CAUSED BY HIS ACTIVITIES DURING HIS PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL RESTORE ALL SUCH DAMAGES TO THEIR PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER.

PERMITS AND PERMIT CONDITIONS

- THE OWNER HAS SUPPLIED COPIES OF THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT NO. (TBA)(APPENDIX B), THE U.S. ARMY CORPS OF ENGINEERS REGIONAL GENERAL PERMIT VERIFICATION (TBA)(APPENDIX C) AS PART OF THE SPECIFICATIONS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT SUPPLIED BY THE OWNER. COST OF OBTAINING PERMITS NOT SUPPLIED BY THE OWNER SHALL BE BORNE BY THE CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: NPDES PERMIT (OR NOI) CLEARING OR LAND DISTURBANCE PERMITS, TREE IMPACT PERMITS, CITY OR COUNTY BUILDING PERMITS, DRIVEWAY OR ENTRANCE PERMITS, TEMPORARY UTILITIES PERMITS, ETC.
- THE CONTRACTOR SHALL NOT EXTEND DREDGING ACTIVITIES OUTSIDE THE PERMITTED DREDGE TEMPLATE. DREDGED MATERIAL, IN EXCESS OF THE WORKING PADS ADJACENT TO THE SLIP, SHALL BE DEPOSITED AT THE DISPOSAL AREA UPRIVER ACROSS THE ROAD.
- ALL WATERCRAFT ASSOCIATED WITH THE EXECUTION OF THE PERMITTED PROJECT SHALL ONLY OPERATE IN WATERS OF SUFFICIENT DEPTH SO AS TO PRECLUDE BOTTOM SCOURING, PROP DREDGING, GROUNDING, AND DAMAGE TO THE SUBMERGED BOTTOM OR SUBMERGED RESOURCES (A MINIMUM 18-INCH CLEARANCE MUST BE MAINTAINED AT ALL TIMES).

GENERAL NOTES

- SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ENSURE PUBLIC AND PRIVATE SAFETY IN AND AROUND THE CONSTRUCTION SITE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE FOLLOWING IN THE FIELD: RIGHT OF WAY LINES, BENCHMARKS, CENTER LINES AND STATIONING AS MAY BE REQUIRED TO CONSTRUCT THE PROJECT.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, AND SAFETY OF THE WORK.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PREVENT DAMAGE TO EXISTING STRUCTURES BY OR AS A RESULT OF OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL INVESTIGATE THE ENTIRE PROJECT SITE PRIOR TO BIDDING AND INITIATING ANY CONSTRUCTION. THE CONTRACTOR SHALL, PRIOR TO ANY CONSTRUCTION ACTIVITY, HOLD A PRE-CONSTRUCTION MEETING WITH ALL PERMITTING AGENCIES AND THE OWNER REPRESENTATIVES.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL STRUCTURES AND EXISTING UTILITIES (ABOVE AND BELOW GRADE) WITHIN THE CONTRACTORS PROPOSED WORK AREAS AND ACCESS CORRIDORS, WHETHER SHOWN OR NOT ON THE DRAWINGS.
- ALL DEBRIS AS A RESULT OF, OR IN THE IMMEDIATE VICINITY OF, THE WORK SHALL BE RECOVERED AND PROPERLY DISPOSED OFFSITE BY THE CONTRACTOR AT NO ADDITIONAL COST IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER, ANY DEBRIS FALLING INTO THE WATER SHALL BE RECOVERED AND DISPOSED OF.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR INSPECTION BY THE ENGINEER, REGULATORY AGENCIES, AND OWNER. THE CONTRACTOR SHALL PROVIDE PERSONNEL AND EQUIPMENT FOR ENGINEER TO INSPECT AND INQUIRE ABOUT THE WORK. THIS MAY INCLUDE PROJECT MANAGERS, SUPERINTENDENTS, FOREMAN, LABORERS, LADDERS, HARD HATS, LIFTS, SCAFFOLDING, MEASURING DEVICES, BOATS, SURVEY EQUIPMENT, ETC.
- REPAIR OR RESTORATION OF THIS WORK SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- ALL PERMANENT MATERIAL SHALL BE NEW, USED, RECONDITIONED, OR REMANUFACTURED MATERIAL SHALL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER IN WRITING.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. ANY DEVIATION IN EXISTING CONDITIONS WITH DRAWINGS OR SPECIFICATIONS SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL AND TURBIDITY CONTROL MEASURES AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
- NO TURBIDITY CONTROL MEASURES NEEDED AS NO WORK WILL BE PERMITTED IN THE ADJACENT WATER BODY.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY PERMIT AUTHORITIES. ANY ADDITIONAL EROSION CONTROL MEASURES SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR SIZING AND CONSTRUCTING ALL SEEPAGE LEVEES & OVERFLOW STRUCTURES UTILIZED DURING THE DEPOSITION OF DREDGED FILL.
- SUBAQUEOUS STONE PLACEMENT SHALL BE 50% THICKER THAN THE STONE THICKNESS ABOVE THE WATER LEVEL. RIP RAP QUANTITIES WERE DERIVED USING A MEAN RIVER LEVEL OF 45 MSL FOR THE ABOVE THE WATER AND SUB AQUEOUS QUANTITY CALCULATIONS.

STAGING AND CONSTRUCTION ACCESS

- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, AND TRAFFIC CONTROLS AS REQUIRED BY THE OWNER AND IN COORDINATION WITH THE ENGINEER.
- CONTRACTOR WILL NOT BE ALLOWED TO TRAVERSE, UTILIZE, OR IMPACT ADJACENT PROPERTIES WITHOUT SPECIFIC AUTHORIZATION FROM THE PROPERTY OWNER AND A CONSTRUCTION WORK PLAN ACCEPTED BY THE OWNER AND ENGINEER.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL OTHER CONSTRUCTION OR OTHER PORT ACTIVITIES ADJACENT TO THE PROJECT. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO RESTORE THE ACCESS AND STAGING AREAS TO THE ORIGINAL SITE CONDITION. RESTORATION ACTIVITIES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, REPLACING OR REPAIRING DAMAGED INFRASTRUCTURE (INCLUDING FENCING, PAVEMENT, ETC.), PLACING AND GRADING CLEAN SAND FILL IN RUTTED OR DISTURBED AREAS, AND VEGETATION RESTORATION.

POINT	NORTHING	EASTING	ELEVATION
X-1	N:379132.30	E:3595608.47	Elev.:80.00'
X-2	N:379028.62	E:3595611.81	Elev.:59.62'
X-3	N:378794.37	E:3595922.78	Elev.:78.00'
X-4	N:378749.46	E:3595869.09	Elev.:54.70'
X-5	N:378653.50	E:3596028.55	Elev.:49.31'
X-6	N:378413.74	E:3596075.63	Elev.:49.44'
X-7	N:378480.08	E:3596158.77	Elev.:14.00'
X-8	N:377444.45	E:3596773.10	Elev.:62.33'
X-9	N:377207.85	E:3597137.94	Elev.:14.06'
X-10	N:376420.49	E:3597717.86	Elev.:14.00'
X-11	N:376507.06	E:3597839.01	Elev.:14.00'
X-12	N:377285.35	E:3597265.62	Elev.:14.00'
X-13	N:377540.37	E:3597247.95	Elev.:59.68'
X-14	N:378072.36	E:3596838.86	Elev.:60.69'
X-15	N:378137.50	E:3596713.78	Elev.:14.00'
X-16	N:378242.44	E:3597273.17	Elev.:60.71'
X-17	N:378319.84	E:3597678.21	Elev.:61.38'
X-18	N:378358.51	E:3597646.73	Elev.:78.00'
X-19	N:378487.21	E:3597804.82	Elev.:78.41'
X-20	N:378338.04	E:3597190.72	Elev.:14.00'
X-21	N:378714.68	E:3596893.05	Elev.:14.00'
X-22	N:379147.29	E:3597027.43	Elev.:78.00'
X-23	N:379287.10	E:3597172.60	Elev.:78.39'
X-24	N:379487.10	E:3596885.70	Elev.:80.00'
X-25	N:379348.06	E:3596237.06	Elev.:80.00'
X-26	N:379529.28	E:3597016.49	Elev.:80.00'
X-27	N:379344.36	E:3597320.94	Elev.:54.00'
X-28	N:379462.75	E:3597910.09	Elev.:49.00'
X-29	N:378604.47	E:3598116.35	Elev.:49.00'
X-30	N:378436.37	E:3598060.49	Elev.:78.00'
X-31	N:379232.50	E:3597259.58	Elev.:78.00'
X-32	N:379389.38	E:3597663.79	Elev.:49.00'
X-33	N:379308.17	E:3597642.59	Elev.:78.00'
X-34	N:378891.12	E:3597965.91	Elev.:78.00'
X-35	N:378931.88	E:3598041.16	Elev.:49.00'

NOTICE TO CONTRACTORS
 THE CONTRACTOR IS PUT ON NOTICE THAT THERE ARE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, INCLUDING WATER, SEWER, GAS, TELEPHONE AND ELECTRIC. THERE MAY BE OTHER UTILITIES INCLUDING CABLE TELEVISION, TELECOMMUNICATIONS AND OTHERS. SOME OF THESE UTILITIES MAY BE ABANDONED, WHILE MANY ARE ACTIVE.
 THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS, AND, IF ANY EXISTING UTILITIES NOT SPECIFICALLY NOTED TO BE REPLACED, REMOVED, OR ABANDONED, ARE DAMAGED, THEY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER. THE CONTRACTOR IS TO BE AWARE THAT EXISTING UTILITIES ARE SHOWN ON THE PLANS IN THEIR APPROXIMATE LOCATION ONLY, AND THE EXISTING UTILITIES SHOWN REPRESENT ONLY A DILIGENT EFFORT TO SHOW THE APPROXIMATE LOCATION OF SOME OF THE UTILITIES.
 TELEPHONE 1-800-272-3020, 48 HOURS BEFORE DIGGING.

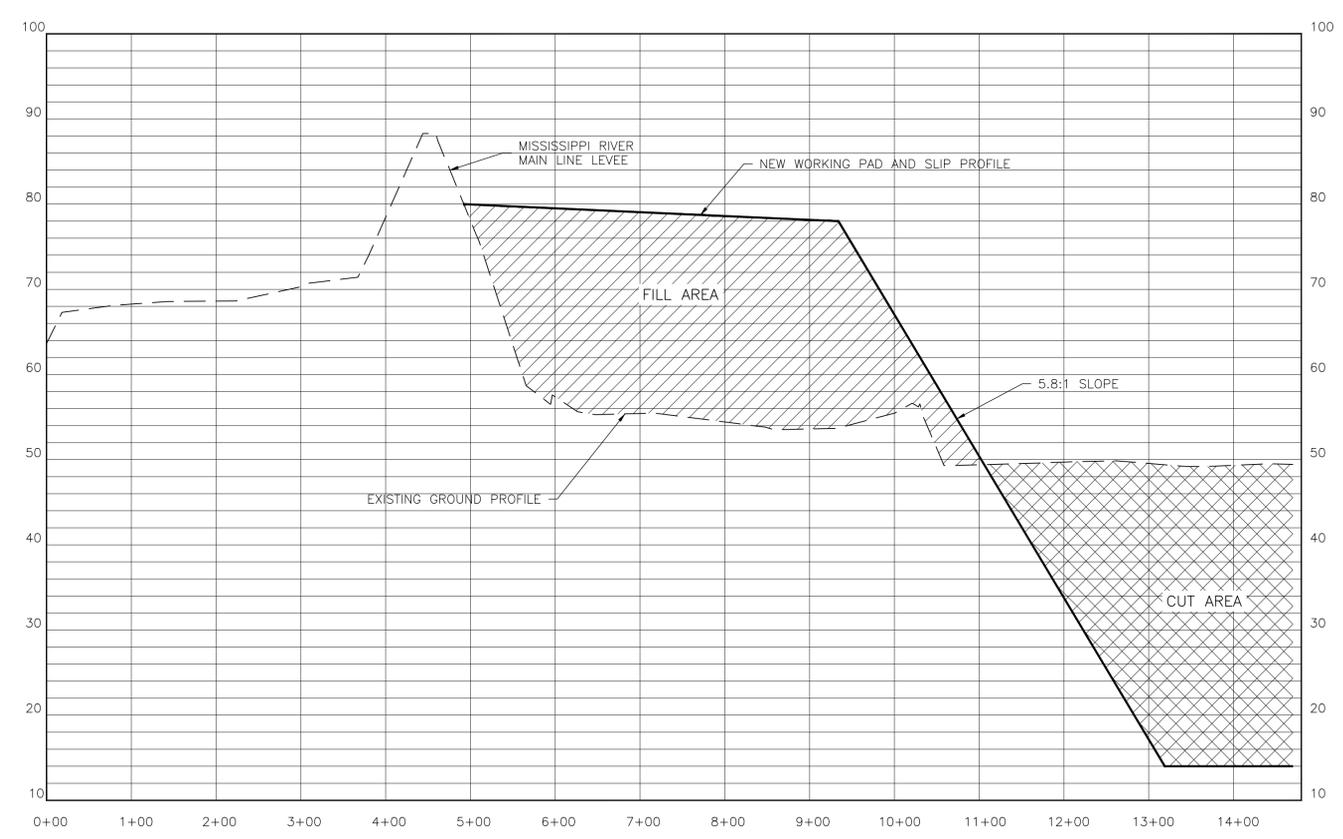
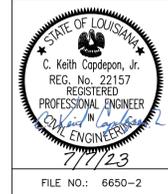


DATE: 7/2023
DRAWN BY: PES
DESIGNED BY: CCK,Jr.
CHECKED BY: CCK,Jr.

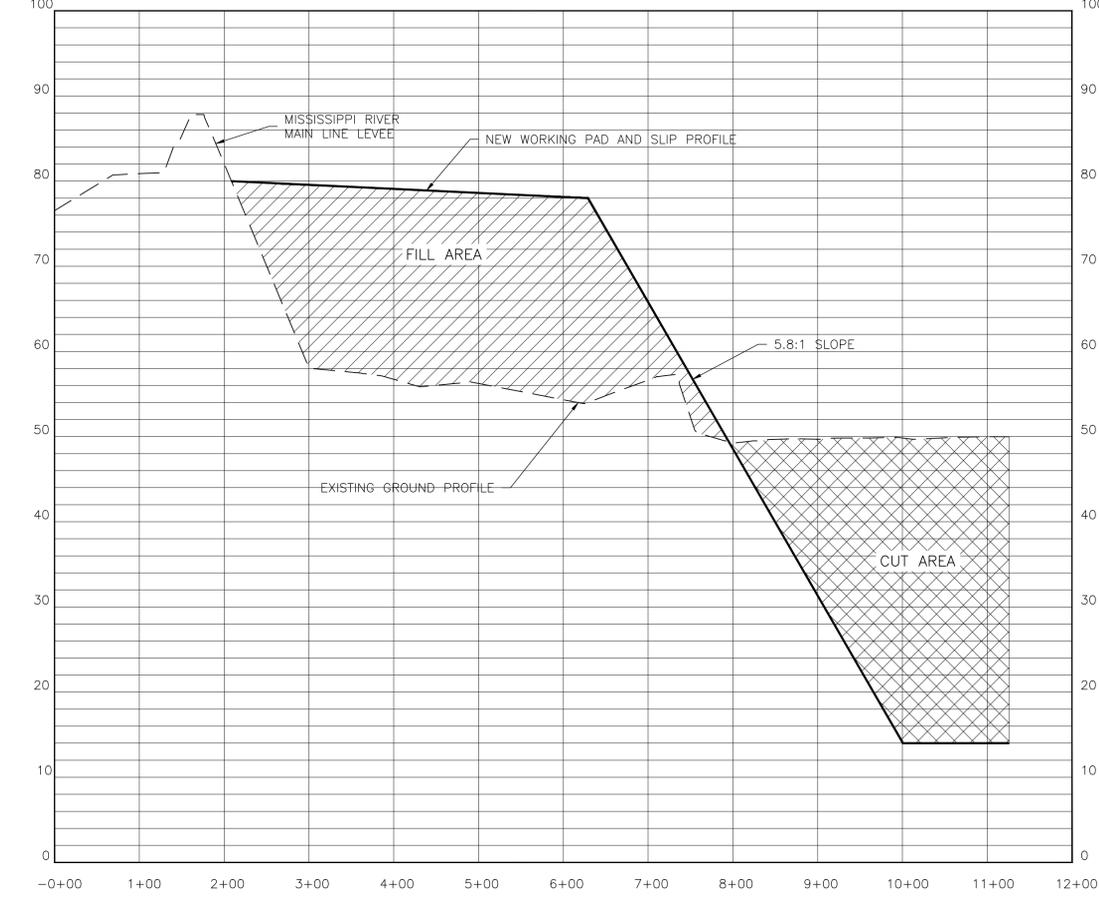
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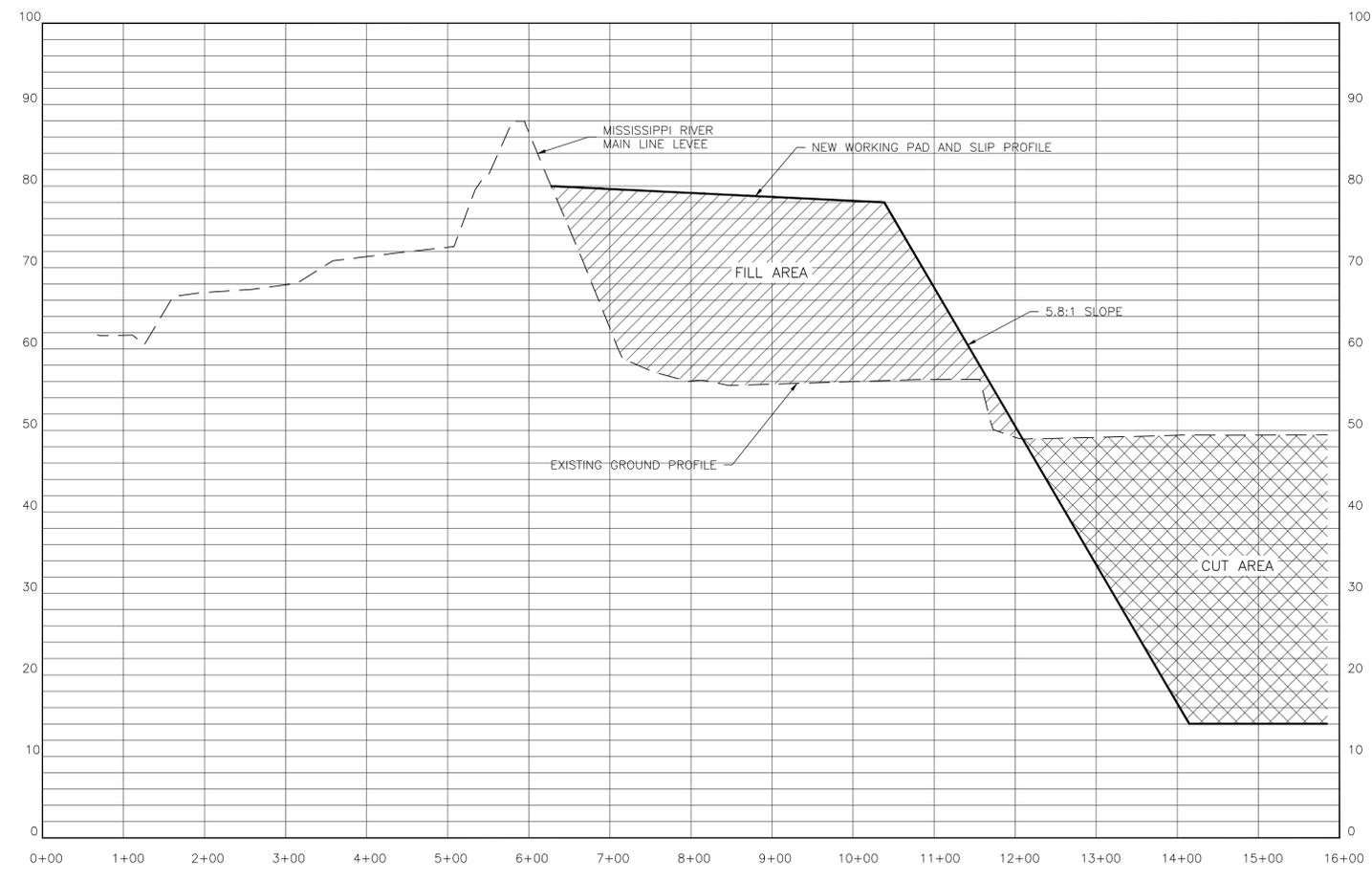
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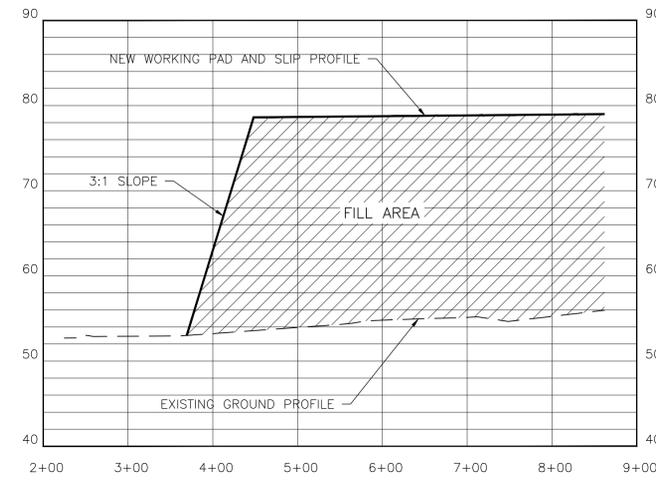
SECTION A



SECTION C



SECTION B



SECTION D

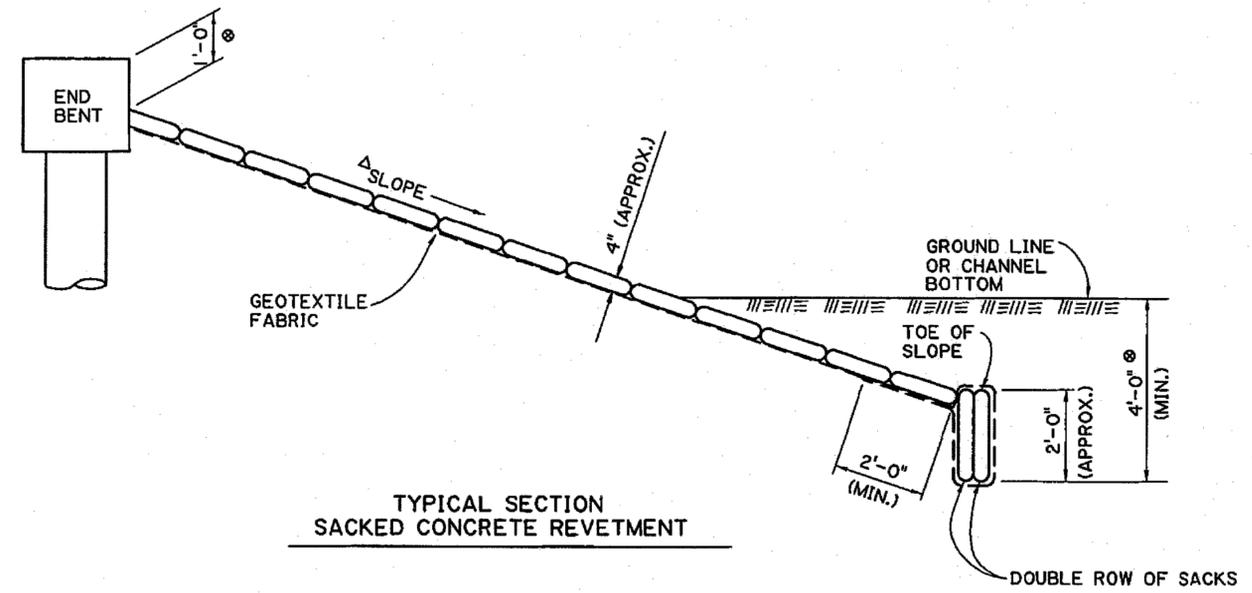
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TELEPHONE 1-800-272-3020, 48 HOURS BEFORE DIGGING.

- CUT
- FILL
- EXISTING PROFILE
- PROPOSED PROFILE

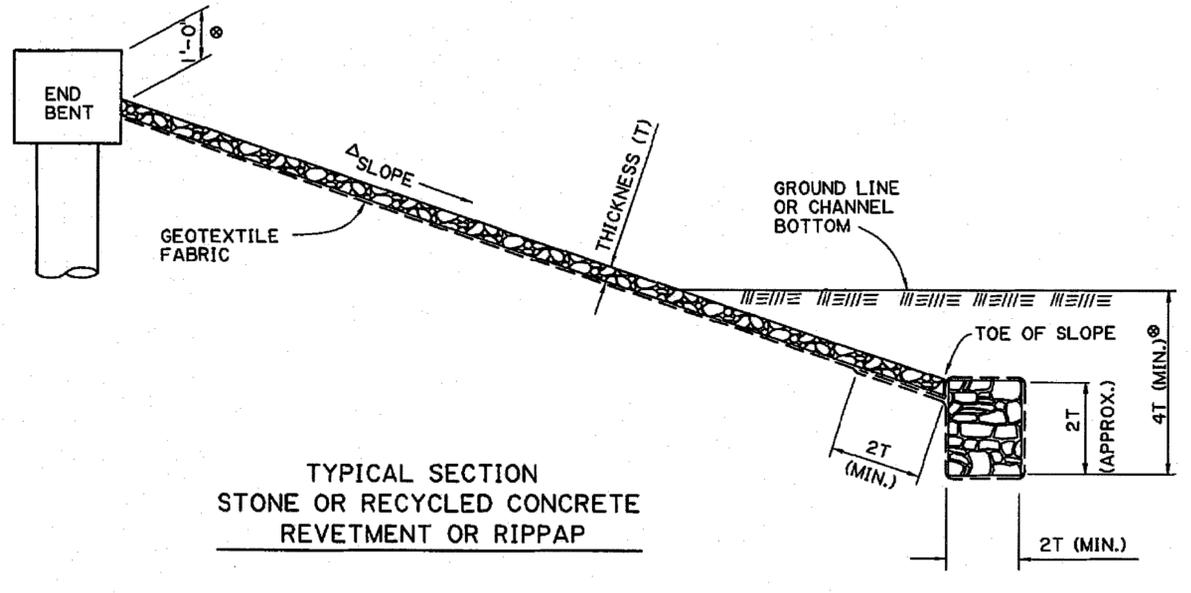
HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=10'



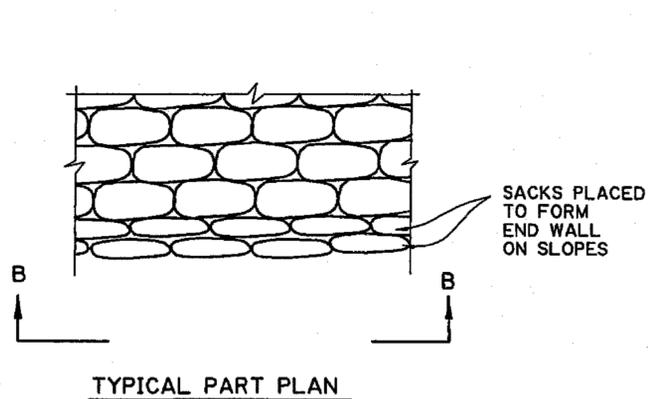
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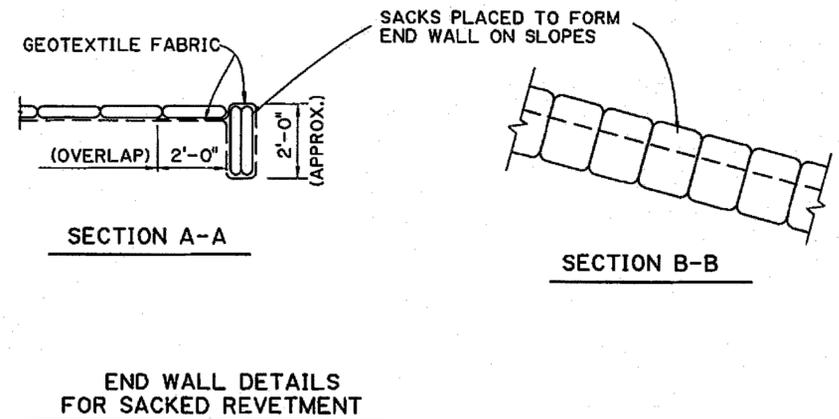
TYPICAL SECTION
SACKED CONCRETE REVETMENT



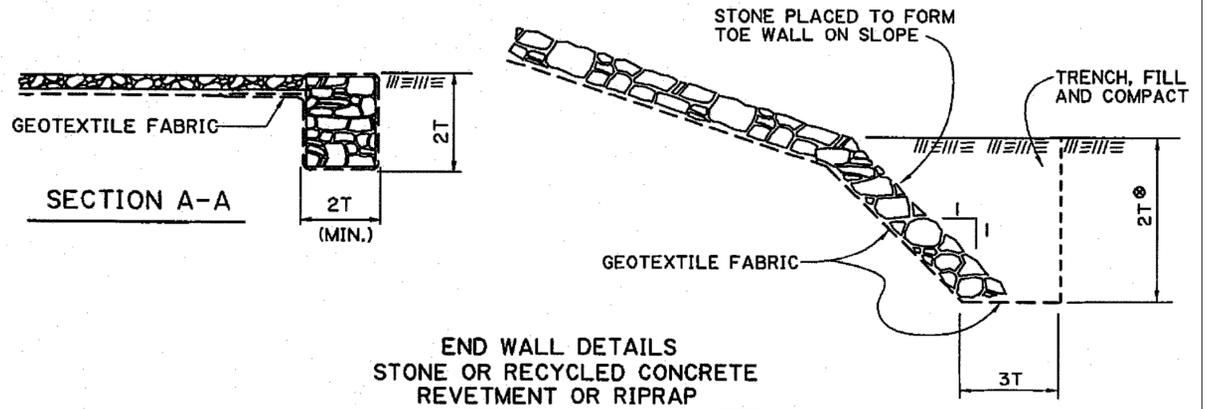
TYPICAL SECTION
STONE OR RECYCLED CONCRETE
REVETMENT OR RIPPAP



TYPICAL PART PLAN



END WALL DETAILS
FOR SACKED REVETMENT



END WALL DETAILS
STONE OR RECYCLED CONCRETE
REVETMENT OR RIPPAP

GENERAL NOTES:

RIPRAP AND FLEXIBLE REVETMENT SHALL BE PLACED IN ACCORDANCE WITH THE LATEST SECTIONS 711 AND 712 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. GEOTEXTILE FABRIC WILL BE MEASURED AND PAID FOR UNDER IT'S OWN PAY ITEM WHEN USED WITH RIPRAP BUT WILL BE CONSIDERED AN INCIDENTAL ITEM AND BE INCLUDED IN THE PAY ITEM FOR REVETMENT. ALTERNATE DESIGNS MAY BE SUBMITTED TO THE HYDRAULIC ENGINEER FOR APPROVAL.

ELEVATION OF TOE OF SLOPE TO REMAIN CONSTANT FOR ALL PROTECTED SIDES OF THE EMBANKMENT, UNLESS OTHERWISE NOTED.

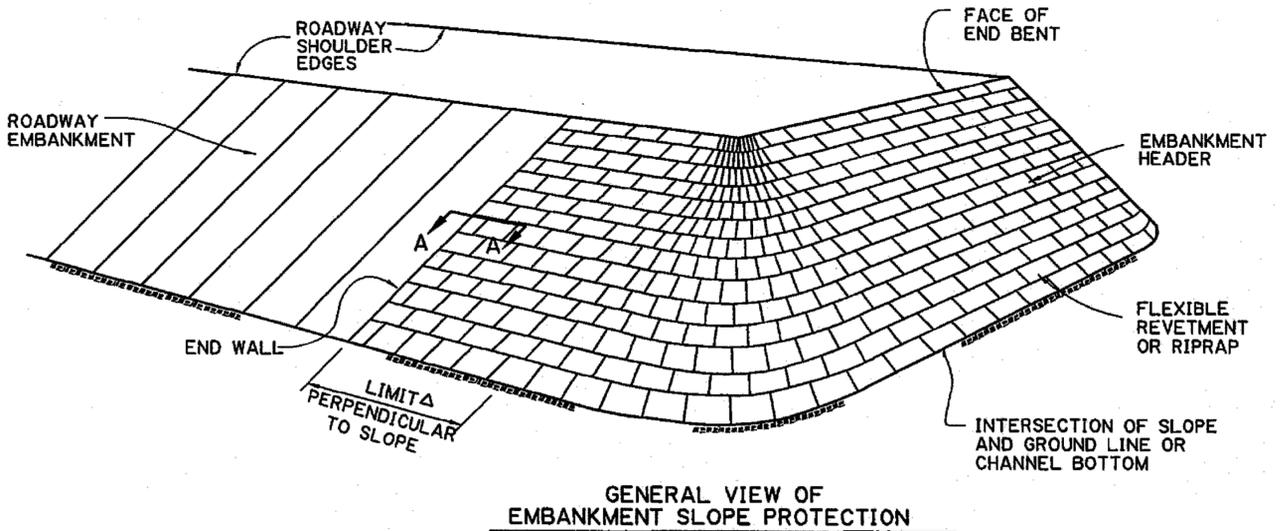
WHERE SLOPE PROTECTION FOR ADJACENT EMBANKMENTS INTERSECT, TERMINATE EACH WITH A TOE WALL AS DETAILED ON THIS SHEET EXCEPT WALLS ABUT.

RIPRAP CLASS (LBS.)	MINIMUM THICKNESS (T) (INCHES)
□ 30	14
* 55	18
* 130	24
* 250	30

- * STONE ONLY
- EQUIVALENT TO STONE OR RECYCLED CONCRETE REVETMENT.
- ⊙ UNLESS OTHERWISE SHOWN ON PLANS.
- Δ SEE GENERAL PLAN FOR EMBANKMENT HEADER SLOPE AND LIMITS OF SLOPE PROTECTION ALONG ROADWAY EMBANKMENT.

THIS SHEET FOR INFORMATIONAL PURPOSES ONLY.
NO TOE WALLS OR GEOTEXTILE FABRIC REQUIRED.

ALL DETAILS NTS



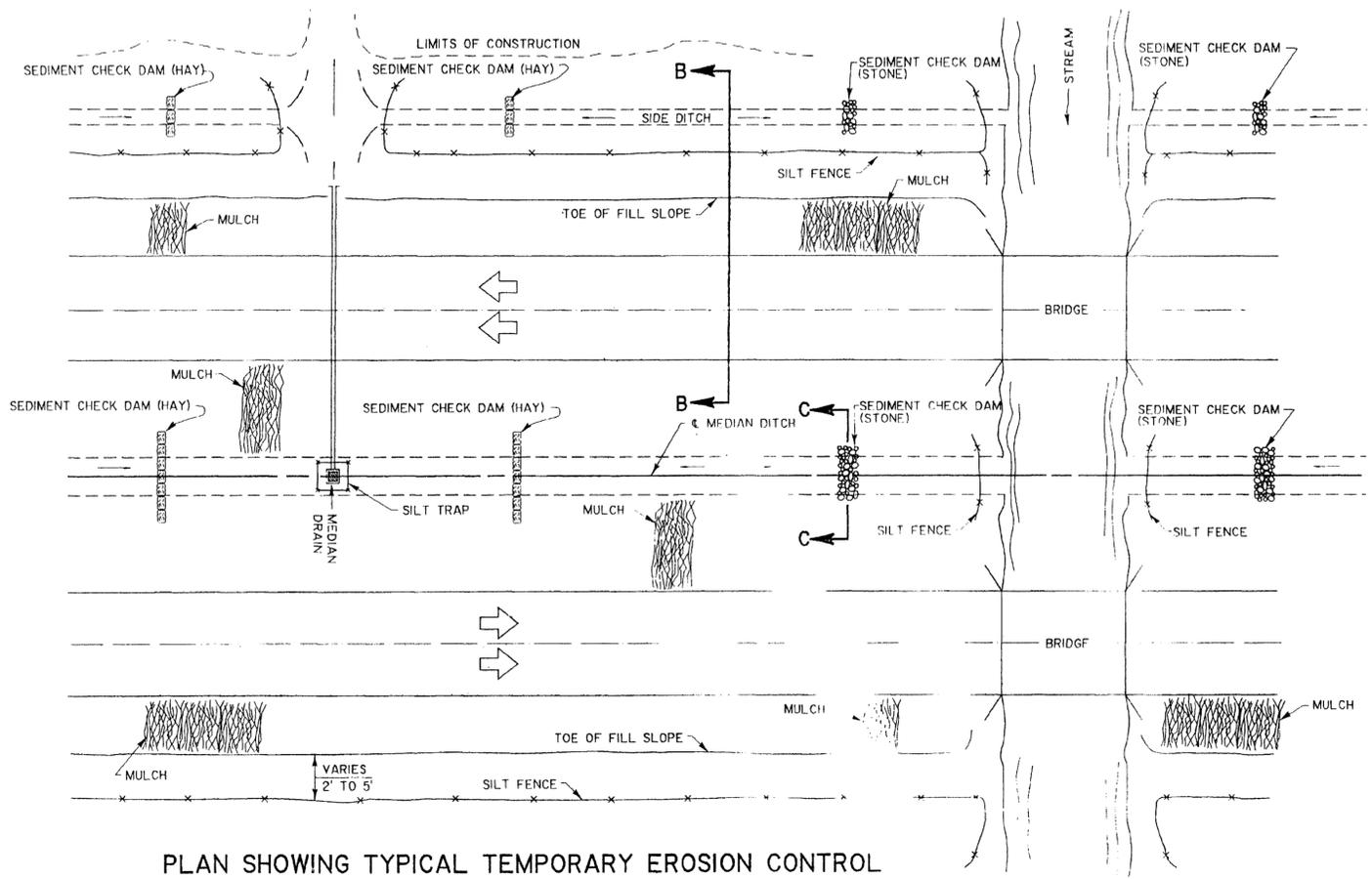
GENERAL VIEW OF
EMBANKMENT SLOPE PROTECTION

DATE:	7/2023
DRAWN BY:	PES
DESIGNED BY:	CKC/JF
CHECKED BY:	CKC/JF

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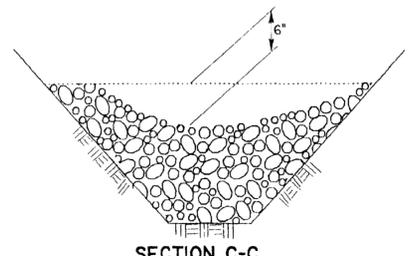
NO.	DESCRIPTION	REVISIONS	BY



PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES
Mulches are the application of mats of material placed on the soil surface to prevent erosion by protecting the soil surface from raindrop impact and to reduce the velocity of overland flow. Mulches can be organic or synthetic. Mulches shall be in accordance with subsection 101B.19 of the LA DOTD Standard Specifications. A few guidelines for the use of Mulches are:

1. Use on cut and embankment slopes which have not been completed to plan grade or where the weather or soil conditions will not permit completing them within a reasonable time;
2. Use on cleared, grubbed, and scalped areas where soil erosion is likely to occur;
3. Use with temporary seeding.

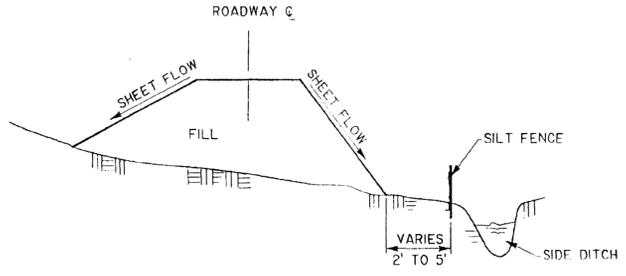


TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: 204105(B), TEMPORARY SEDIMENT CHECK DAM (STONE)

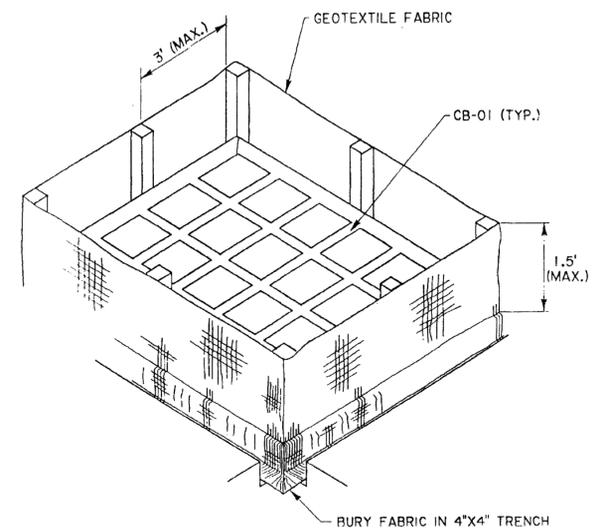
NOTES:
A stone check dam is a small temporary dam constructed across a swale or drainage ditch. The purpose of this measure is to reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch. The stone check dam will trap small amounts of sediments generated in the ditch itself, however it should not be used as a sediment trapping device. A few basic design guidelines for the use of Stone Check Dams are:

1. Use in small open channels which drain 10 acres or less;
2. Do not use in a live stream;
3. Use in a temporary ditch or swale which, because of their short length of service, cannot receive a non-erodible lining;
4. Use in permanent ditches or swales which will not receive a permanent lining for an extended period of time;
5. Use in temporary or permanent ditches or swales which need protection during the establishment of grass linings.
6. For stone specifications see subsection 711.02(a)(Class 2LB.) of the LA DOTD Standard Specifications.



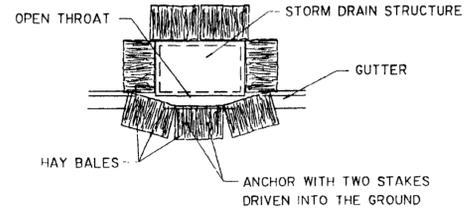
TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)



ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

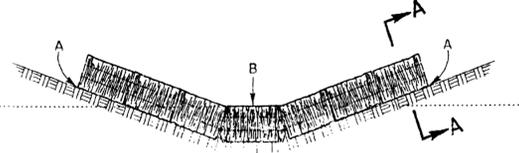
(BACKFILL SOIL NOT SHOWN)



PLAN SHOWING HAY BALES

PAY ITEM: 204102), TEMPORARY BALED HAY OR STRAW

TEMPORARY INLET SILT TRAP



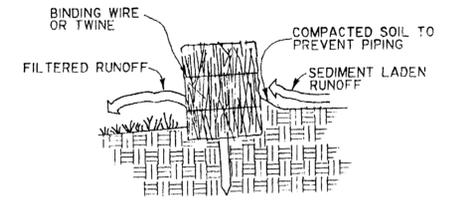
ELEVATION

TEMPORARY SEDIMENT CHECK DAM (HAY)

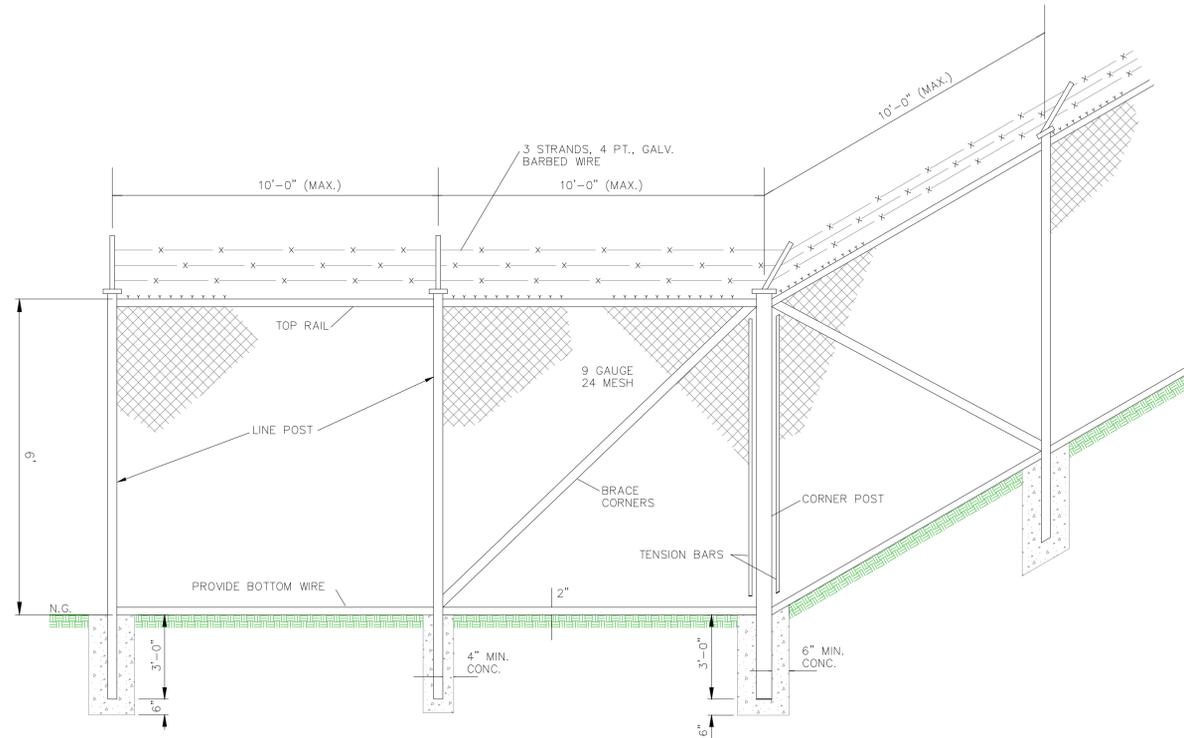
PAY ITEM: 204105(A), TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:
A hay bale barrier is a temporary sediment barrier consisting of a row of entrenched and anchored bales of straw or hay. The hay bale barrier is also used as a check dam to reduce the velocity in small ditches or swales. The hay bales shall be in accordance with LA DOTD Standard Specifications, Section 204. A few basic design guidelines for the use of a Hay Bale Barrier are:

1. Use where erosion would occur in the form of sheet and rill erosion;
2. Use in minor swales or ditches where the maximum drainage area is 2 acres;
3. Only use where the effectiveness is required for less than 3 months;
4. Do not use in live streams or in swales or ditches where there is a possibility of a washout.



SECTION A-A



ALL MATERIALS AND COMPONENTS SHALL BE SIZED AS FOLLOWS FOR THE VARIOUS CLASSES OF FENCING.

TYPICAL FENCING DETAIL

N.T.S.

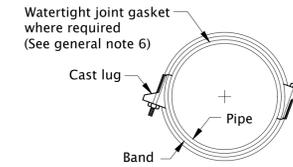
	HEAVY INDUSTRIAL	MEDIUM INDUSTRIAL	LIGHT INDUSTRIAL
LINE POST:			
Size	3"	2 1/2"	1 5/8"
Weight Per Ft.	5.79	3.65	2.27
Spacing	10' Max.	10' Max.	10' Max.
Foundation Embedment	30"	24"	18"
TOP RAIL:			
Size	1 5/8"	1 5/8"	1 3/8"
Weight Per Ft.	2.27	2.27	1.34
END & CORNER POST:			
Size	3"	2 1/2"	2 1/2"
Weight Per Ft.	5.79	3.65	3.65
Foundation Embedment	36"	24"	24"
BRACES:			
Size	1 5/8"	1 5/8"	1 3/8"
CHAIN LINK FABRIC:			
Gauge	9	9	11
Size	2"	2"	2"
Tensile Strength	-	80,000 PSI	-
Coating (Galv.)	1,203	1,203	1,203
BOTTOM TENSION LINE:			
No.	No. 6	No. 7	No. 7
GATE FRAMES:			
Size	2"	2"	1 5/8"
Weight Per Ft.	2.72	2.72	2.27

SIZE OF GATE LEAF

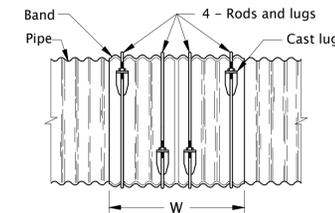
	Less Than 6'	6'-13'	13'-18'
GATE POST:			
Size	3"	4"	6 5/8"
Weight Per Ft.	5.79	9.10	18.79
Foundation Depth	36"	36"	36"

Fabric shall have a minimum tensile strength of 80,000 p.s.i. and shall be coated with either a minimum of 1.2 oz. per square foot of galvanizing conforming to ASTM A 392 Class II of 0.4 oz. per square foot of aluminum coating conforming to ASTM A 491.

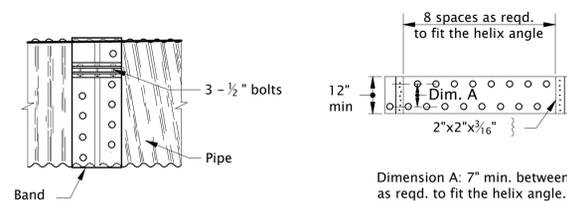
Corrugations	Pipe Dia. (In)	Rod Dia. (In)	Narrow Band		Wide Band	
			W (in)	# Of Rods	W (in)	# Of Rods
2'-0" x 1/2"	12-21	3/8"	12	2		
	24-54 (3)	1/2"	12	2	24	4
	60-84 (3)	3/4"	12	2	24	4
3'-0" x 1"	36-54 (3)	1/2"	14	2	26	4
	60-84 (3)	3/4"	14	2	26	4
	84-120	1"			26	4



END VIEW



TYPE D



TYPE E
(For 12"-30" dia. pipes)



COUPLING BAND DIMPLE DETAIL

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All steel coupling bands and connection hardware shall be galvanized or aluminum coated.
- Coupling bands for corrugated iron and steel pipes may be two numerical thicknesses lighter than that used for the pipe but not more than 0.109" nominal thickness nor less than 0.052" nominal thickness. Coupling bands for corrugated aluminum pipe shall be of the same thickness as that used for the pipe.
- Watertight joints with gaskets are required for irrigation pipes, storm sewers, and other installations when shown on the plans. Gaskets for all coupling bands shall be (butt-cemented or vulcanized) synthetic, closed-cell sponge rubber 3/8" thick of a width equal to the band width and centering on the joint. For pipes 12" or less in diameter, the gasket thickness may be 3/16".
- To prevent galvanic action when unlike metals are connected, the connecting band shall be used with a full width neoprene gasket or coated with asphalt or other insulating material as approved by the engineer.

DATE:	7/2023
DRAWN BY:	PES
DESIGNED BY:	CAC/JF
CHECKED BY:	CAC/JF

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6885 HWY. 84 WEST - FERRIDAY, LA 71334
(318) 757-6576



NO.	DESCRIPTION	BY

NOTICE TO CONTRACTORS
THE CONTRACTOR IS PUT ON NOTICE THAT THERE ARE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, INCLUDING WATER, SEWER, GAS, TELEPHONE AND ELECTRIC. THERE MAY BE OTHER UTILITIES INCLUDING CABLE TELEVISION, TELECOMMUNICATIONS AND OTHERS. SOME OF THESE UTILITIES MAY BE ABANDONED, WHILE MANY ARE ACTIVE.
THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS, AND, IF ANY EXISTING UTILITIES NOT SPECIFICALLY NOTED TO BE REPLACED, REMOVED, OR ABANDONED, ARE DAMAGED, THEY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER. THE CONTRACTOR IS TO BE AWARE THAT EXISTING UTILITIES ARE SHOWN ON THE PLANS IN THEIR APPROXIMATE LOCATION ONLY, AND THE EXISTING UTILITIES SHOWN REPRESENT ONLY A DILIGENT EFFORT TO SHOW THE APPROXIMATE LOCATION OF SOME OF THE UTILITIES.
TELEPHONE 1-800-272-3020, 48 HOURS BEFORE DIGGING.

