

JOINT PUBLIC NOTICE

20 May 2019

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch (ODR-E)
7400 Leake Avenue
New Orleans, Louisiana 70118

(504) 862-2279
angelle.v.greer@usace.army.mil
Project Manager
Angelle Greer
Permit Application Number
MVN-2009-01461-EG

State of Louisiana
Department of Environmental Quality
ATTN: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 141212-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

Pipeline Installation in St. John the Baptist Parish

NAME OF APPLICANT: Mt. Airy Terminals, LLC c/o C-K Associates, Attention: Brian Newman, 8591 United Plaza Blvd., Suite 300, Baton Rouge, LA 70809

LOCATION OF WORK: 4006 LA Hwy. 44, in Mt. Airy, in St. John the Baptist Parish, Louisiana, as shown on the enclosed drawings.

Location: Latitude: 30.07511111, Longitude: -90.62944444

Hydrologic Unit Code: 08070100 (Lower Mississippi-Baton Rouge)

CHARACTER OF WORK: To install two 24-inch pipelines between the existing Mt. Airy Terminal and the existing Bengal pipeline. Approximately 766-feet of the proposed 1.8-mile alignment will be

trenched, and the remainder of the pipeline installation will utilize hydraulic directional drilling (HDD) methods, as shown on the enclosed drawings. Existing access roads will also be utilized to avoid new wetland impacts. Project-related impacts would occur to approximately 4.21-acres of jurisdictional wetlands, and the applicant has proposed the purchase of credits from an approved mitigation bank within the same watershed to compensate unavoidable impacts.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.**

Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

The New Orleans District has determined that the activity will have no effect on listed species based on the Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office.

Our initial finding is that the proposed work is Not Likely to Adversely Affect any species listed as endangered, nor affect any habitat designated as critical to the survival and recovery of those species listed by the U.S. Department of Commerce.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of 0 acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure



Mt. Airy Terminal LLC
Mt. Airy, Louisiana

Mt. Airy Connectivity Project

Site Location

St. John the Baptist Parish



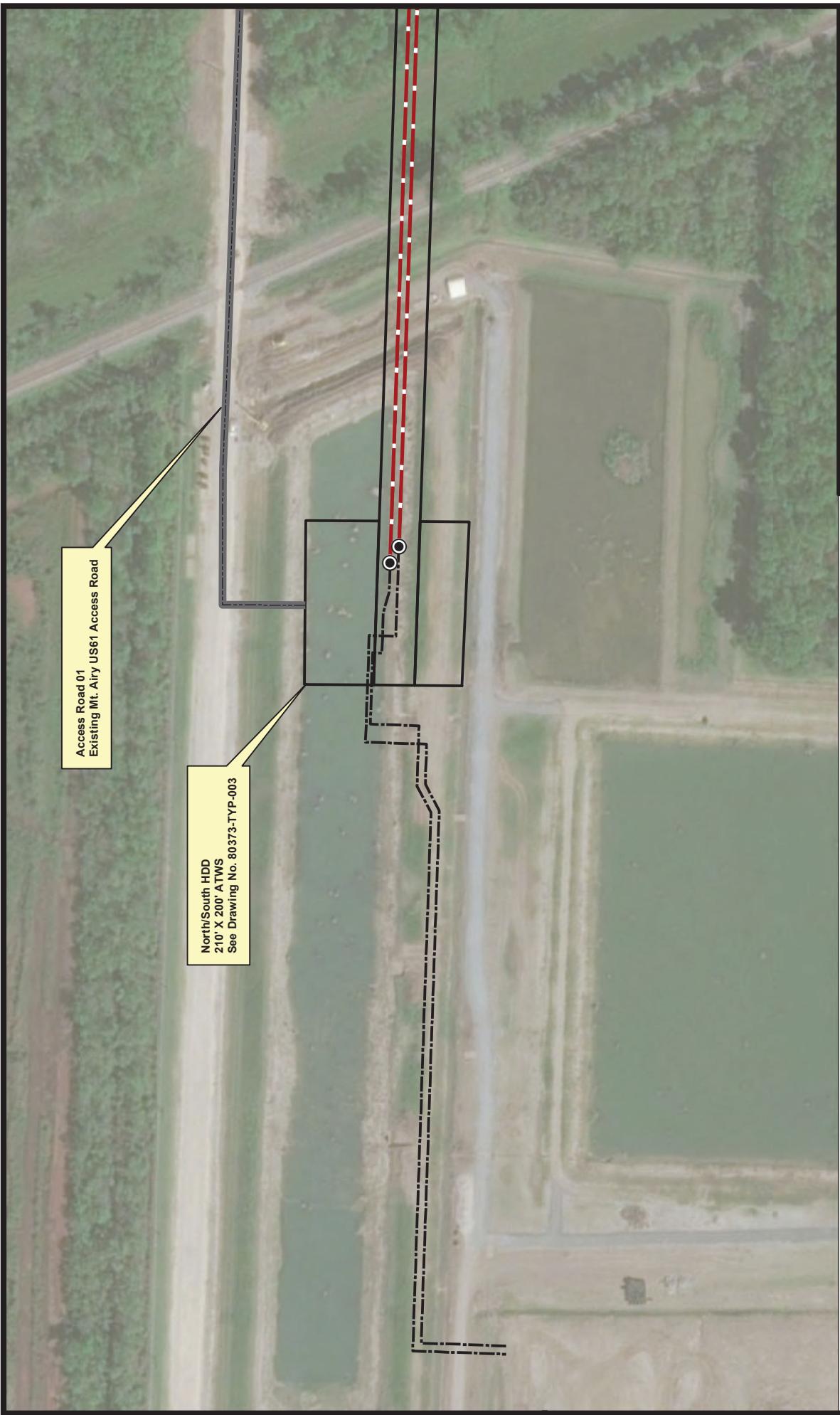
0 1 2 3
Miles

Reference: Base map from USA Topo Maps,
available on ArcGIS Online.



Drawn: BLN	Checked: AGA
Date: 02/19/2019	Approved: BLN
Dwg. No.: A16698-13	

Figure 1



Mt. Airy Terminal LLC

Mt. Airy, Louisiana
Mt. Airy Connectivity Project

Plan View

Map 1 of 8

St. John the Baptist Parish



Reference: Base map from USDA NAIP Louisiana October 2017.

Figure 2

Bottomland Hardwood Wetlands to be Cleared and Maintained (1.19 acres)

Temporary Impact to Bottomland Hardwood Wetlands (2.22 acres)

Temporary Impact to Herbaceous Wetlands (0.80 acres)

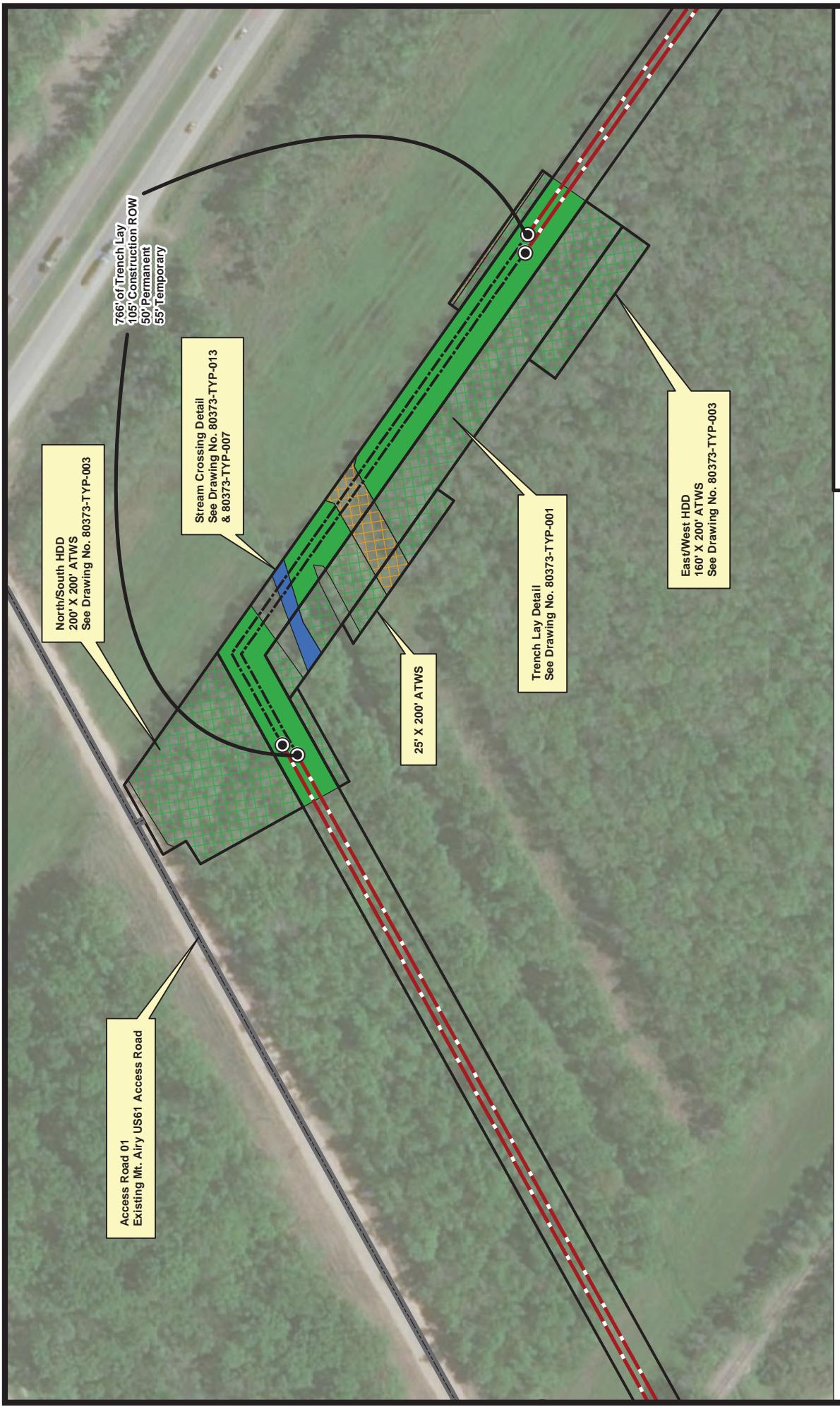
Temporary Impact to Non-Wetland Waters of the US (0.26 acres)

0 100 200 300 400 500
Feet

Drawn: BLN Checked: AGA

Date: 02/19/2019 Approved: BLN

Dwg. No.: A16698-14



Mt. Airy Terminal LLC

Mt. Airy, Louisiana
Mt. Airy Connectivity Project

Plan View

Map 2 of 8

St. John the Baptist Parish



Reference: Base map from USDA NAIP Louisiana October 2017.

Bottomland Hardwood Wetlands to be Cleared and Maintained (1.19 acres)	
Temporary Impact to Bottomland Hardwood Wetlands (2.22 acres)	
Temporary Impact to Herbaceous Wetlands (0.80 acres)	
Temporary Impact to Non-Wetland Waters of the US (0.26 acres)	

Legend

- HDD Entry & Exit Points
- HDD Installation
- - - Proposed Pipeline Centerlines
- Proposed Access Roads
- Proposed Construction Workspace

0 100 200 300 400 500
Feet

Figure 2

Drawn: BLN Checked: AGA
Date: 02/19/2019 Approved: BLN
Dwg. No.: A16698-14



Mt. Airy Terminal LLC

Mt. Airy, Louisiana

Mt. Airy Connectivity Project

Plan View

Map 3 of 8

St. John the Baptist Parish



Reference: Base map from USDA NAIP Louisiana October 2017.

Figure 2

- Legend**
- HDD Entry & Exit Points
 - HDD Installation
 - Proposed Pipeline Centerlines
 - Proposed Access Roads
 - Proposed Construction Workspace
 - Bottomland Hardwood Wetlands to be Cleared and Maintained (1.19 acres)
 - Temporary Impact to Bottomland Hardwood Wetlands (2.22 acres)
 - Temporary Impact to Herbaceous Wetlands (0.80 acres)
 - Temporary Impact to Non-Wetland Waters of the US (0.26 acres)

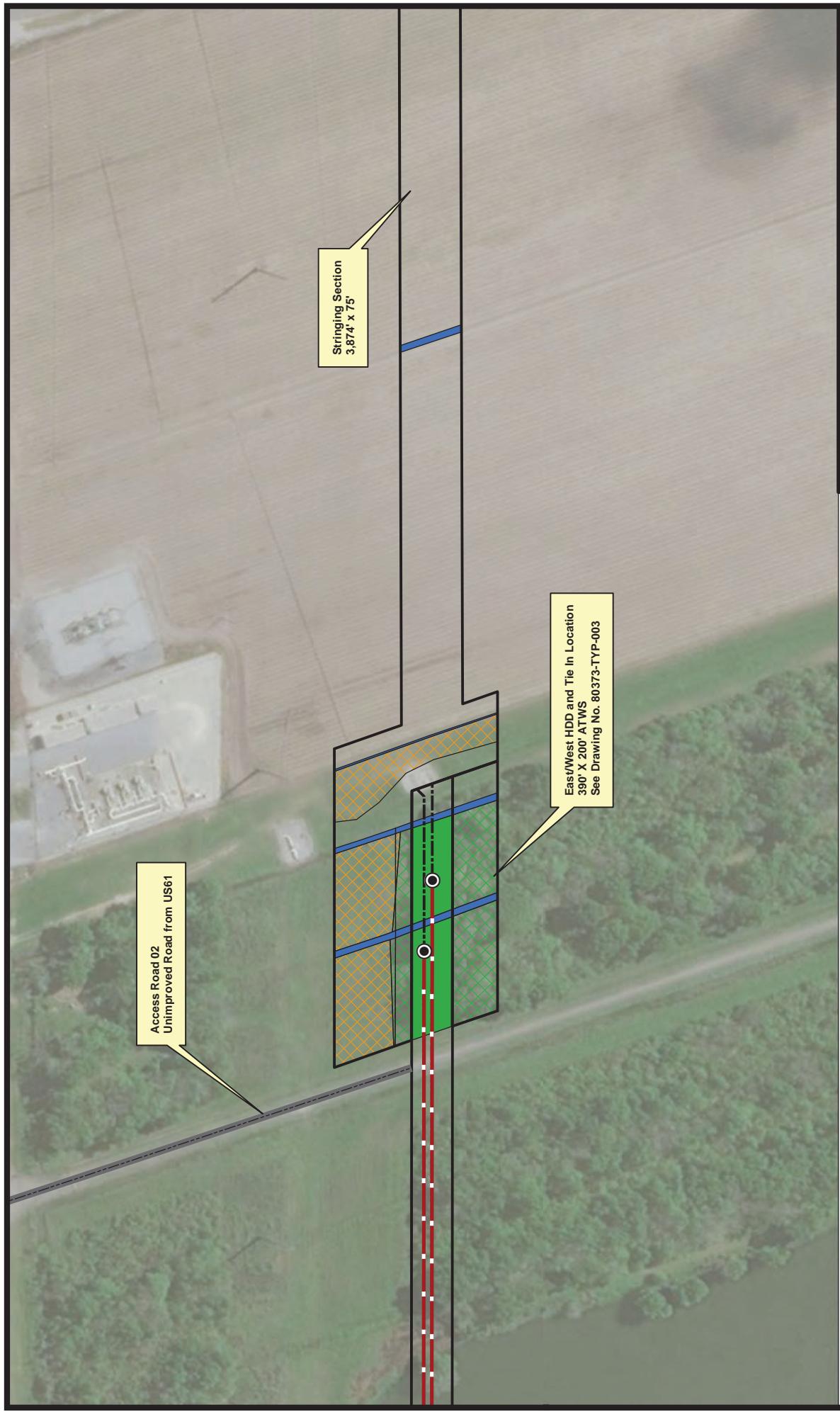
0 100 200 300 400 500
Feet

Drawn: BLN Checked: AGA

Date: 02/19/2019 Approved: BLN

Dwg. No.: A16698-14





Mt. Airy Terminal LLC

Mt. Airy, Louisiana
Mt. Airy Connectivity Project

Plan View

Map 5 of 8

St. John the Baptist Parish



Reference: Base map from USDA NAIP Louisiana October 2017.

Legend	HDD Entry & Exit Points	Bottomland Hardwood Wetlands to be Cleared and Maintained (1.19 acres)
	HDD Installation	Temporary Impact to Bottomland Hardwood Wetlands (2.22 acres)
	Proposed Pipeline Centerlines	Temporary Impact to Herbaceous Wetlands (0.80 acres)
	Proposed Access Roads	Temporary Impact to Non-Wetland Waters of the US (0.26 acres)
	Proposed Construction Workspace	

0 100 200 300 400 500
Feet

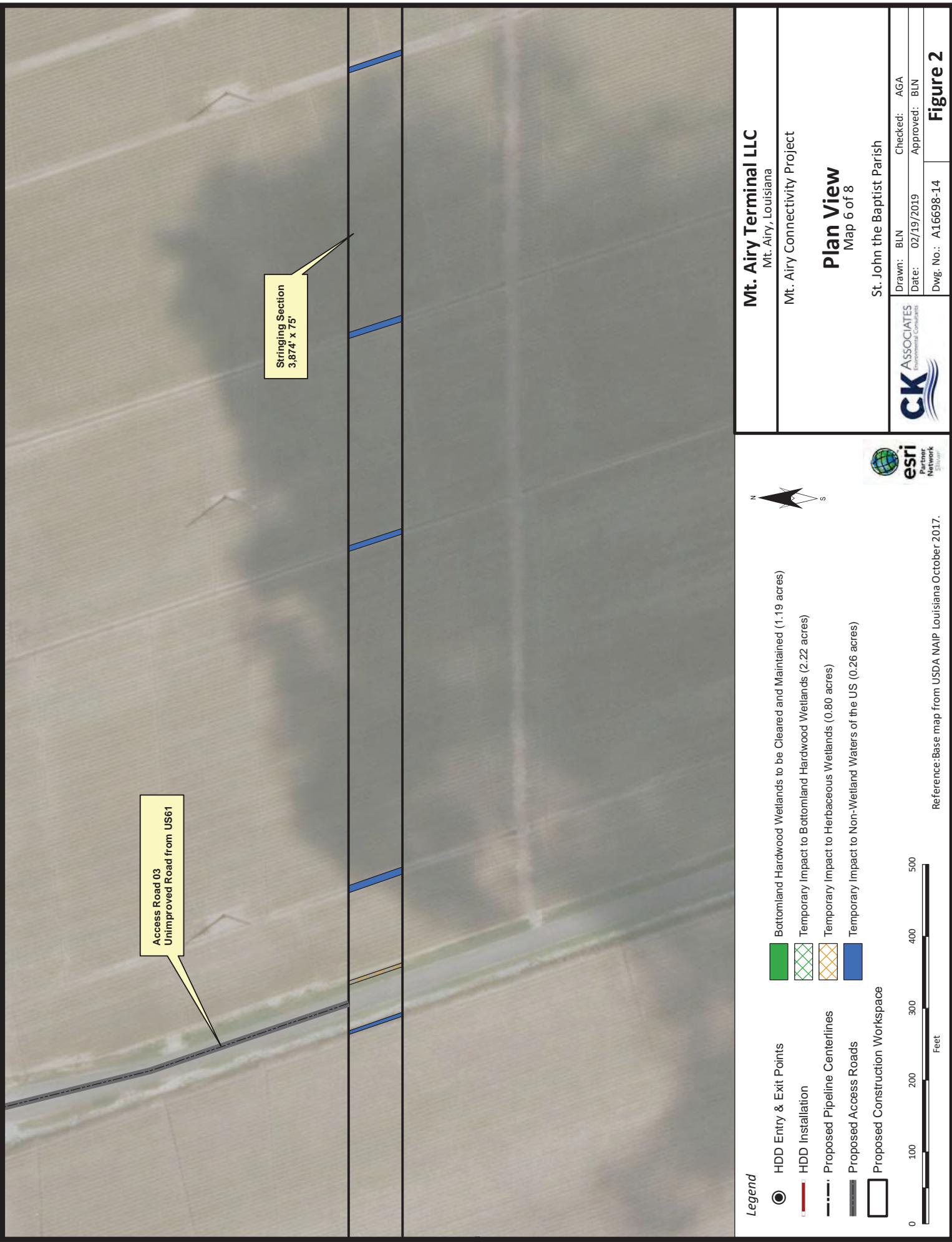
Stringing Section

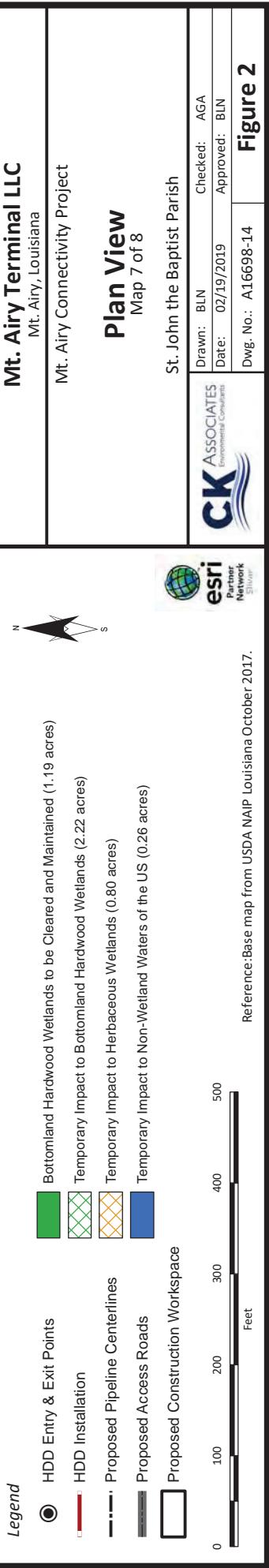
3.874' x 75'

East/West HDD and Tie In Location
390' X 200' ATWS
See Drawing No. 80373-TYP-003

Access Road 02
Unimproved Road from US61

Figure 2







Mt. Airy Terminal LLC

Mt. Airy, Louisiana

Mt. Airy Connectivity Project

Plan View

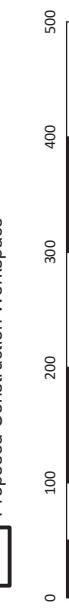
Map 8 of 8

St. John the Baptist Parish



Reference: Base map from USDA NAIP Louisiana October 2017.

- Legend**
- HDD Entry & Exit Points
 - Bottomland Hardwood Wetlands to be Cleared and Maintained (1.19 acres)
 - Temporary Impact to Bottomland Hardwood Wetlands (2.22 acres)
 - Pipeline Centerlines
 - Proposed Pipeline Centerlines
 - Proposed Access Roads
 - Temporary Impact to Herbaceous Wetlands (0.80 acres)
 - Temporary Impact to Non-Wetland Waters of the US (0.26 acres)
 - Proposed Construction Workspace



5' Long Section

Figure 2

Drawn: BLN

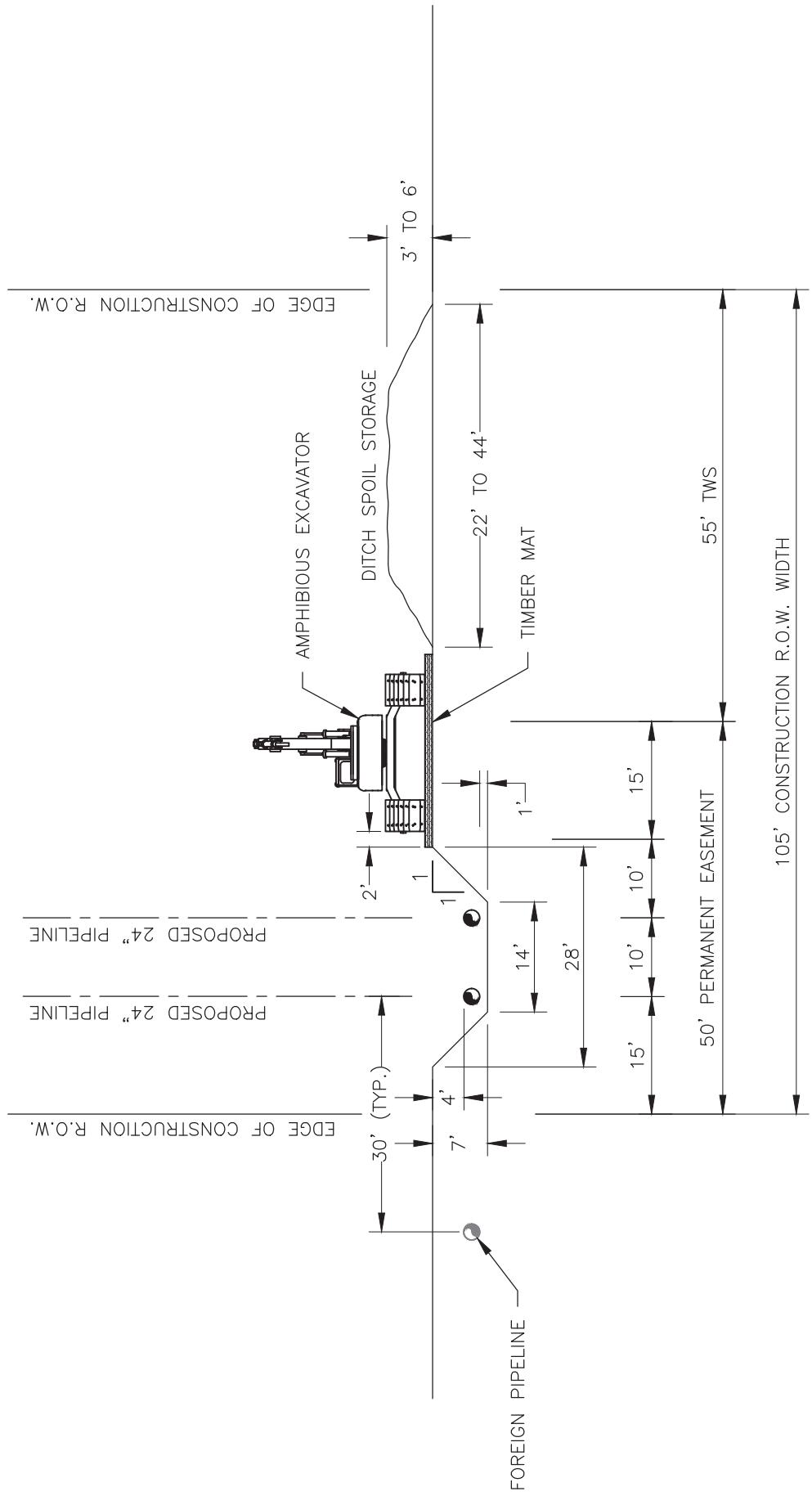
Checked: AGA

Date: 02/19/2019

Approved: BLN

Dwg. No.: A16698-14

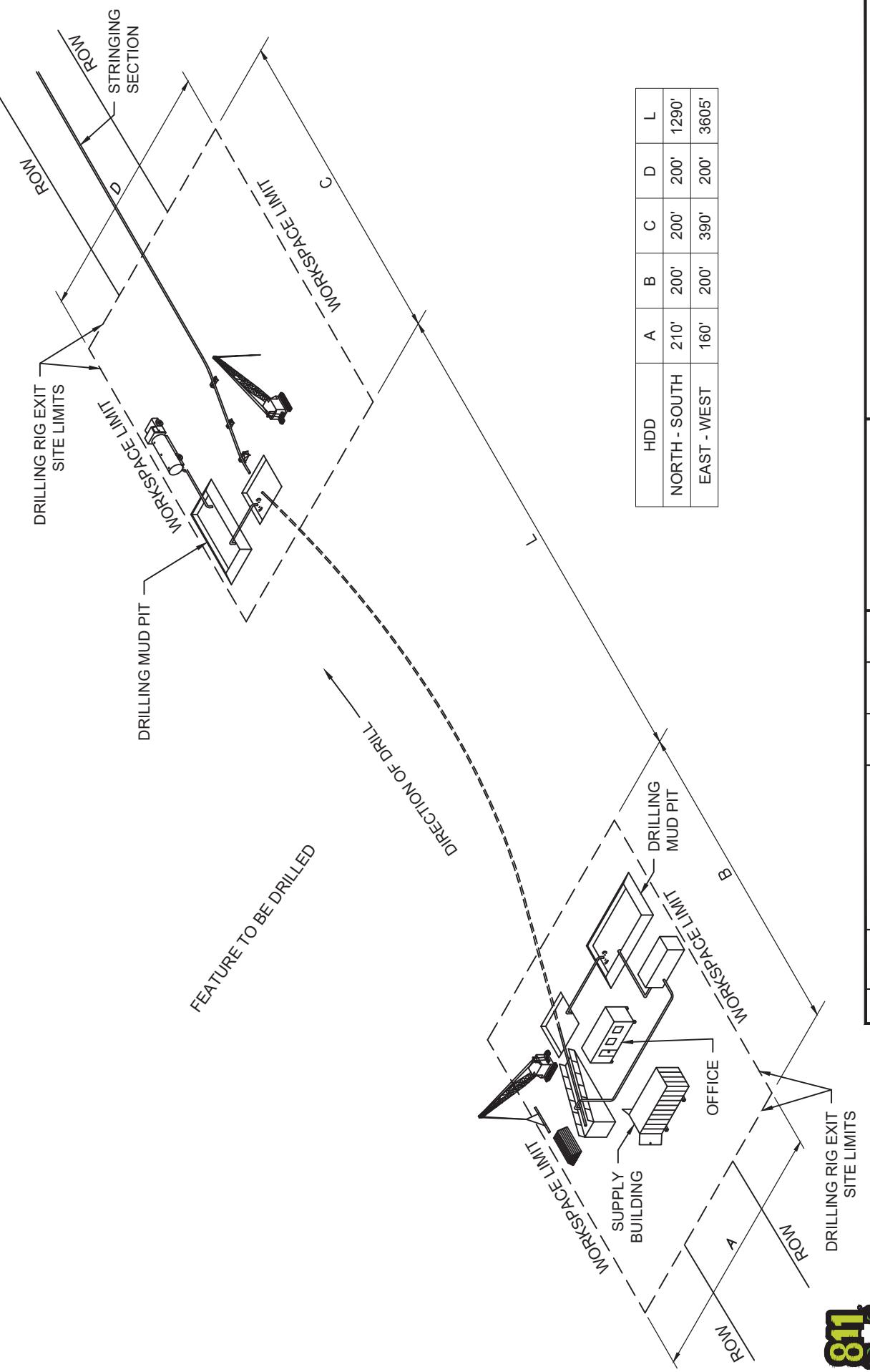
Map 8 of 8



Know what's below.
Call before you dig.

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SCALES ON DRAWINGS ARE FOR ANSI "A" SPEC (8½x11) PRINTS. REPRODUCTION
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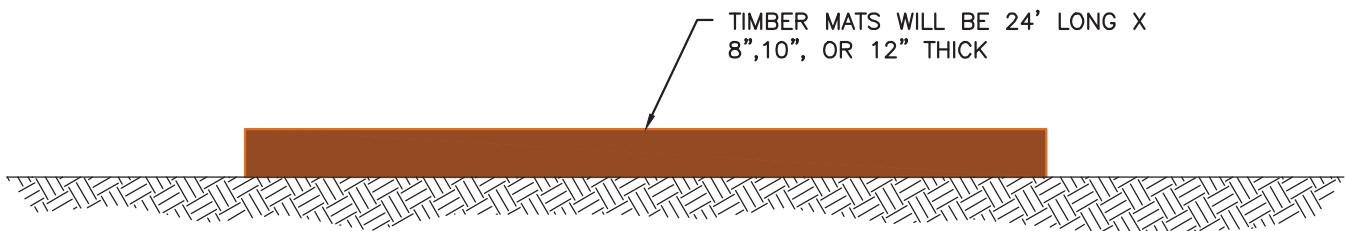
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		 A QUITATA SERVICES COMPANY	
C	02/20/19	ISSUED FOR PERMIT	MCS
B	02/21/19	ISSUED FOR REVIEW	JMA
A	01/15/19	ISSUED FOR REVIEW	JMA
REV	DATE	REVISION DESCRIPTION	CKD APP

	HDD	A	B	C	D	L
NORTH - SOUTH	210'	200'	200'	200'	1290'	
EAST - WEST	160'	200'	390'	200'	3605'	

JOB NUMBER: 80373
DRAWING NUMBER: 80373-TYP-003



PROFILE

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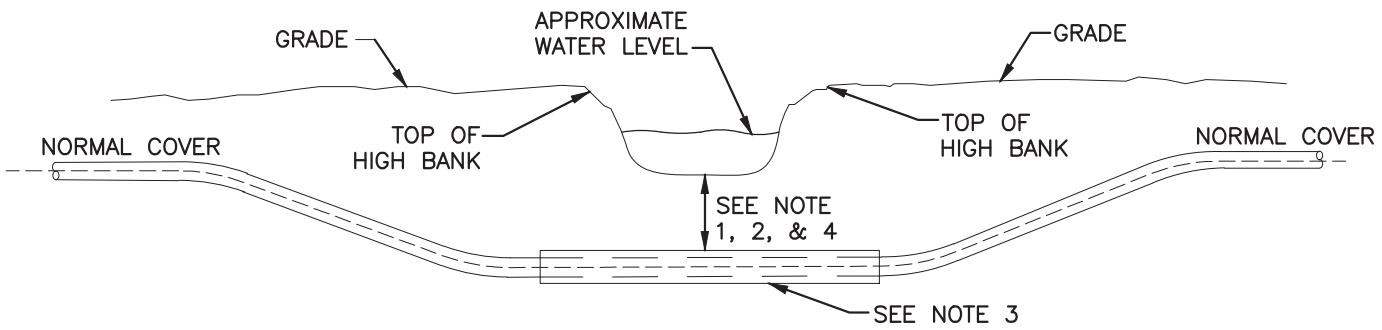
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B	02/13/19	ISSUED FOR REVIEW	RR	JMA
A	01/15/19	ISSUED FOR REVIEW	RR	HGJ
REV	DATE	REVISION DESCRIPTION	BY	CKD APP



MT. AIRY CONNECTIVITY PROJECT
TYPICAL TIMBER MAT LAYOUT

JOB NUMBER: 80373 DRAWING NUMBER: 80373-TYP-004





NOTES:

1. DEPTH OF COVER TO BE A MINIMUM OF 5'-0" AS SPECIFIED IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY COMPANY.
2. PIPE SHALL BE LEVEL UNDER STREAM/DRAINAGE DITCH CHANNEL AT DEPTH SHOWN EXCEPT WHERE NOTED OTHERWISE.
3. CONCRETE COATING WILL BE INSTALLED AS SPECIFIED IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY COMPANY.
4. THIS METHOD OF CROSSING IS TO BE USED ON WATERBODIES WHERE THERE IS NO DISCERNIBLE FLOW.

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C	02/20/19	ISSUED FOR PERMIT	MCS	JMA	HGJ
B	02/13/19	ISSUED FOR REVIEW	RR	JMA	HGJ
A	01/15/19	ISSUED FOR REVIEW	RR	JMA	HGJ
REV	DATE	REVISION DESCRIPTION	BY	CKD	APP

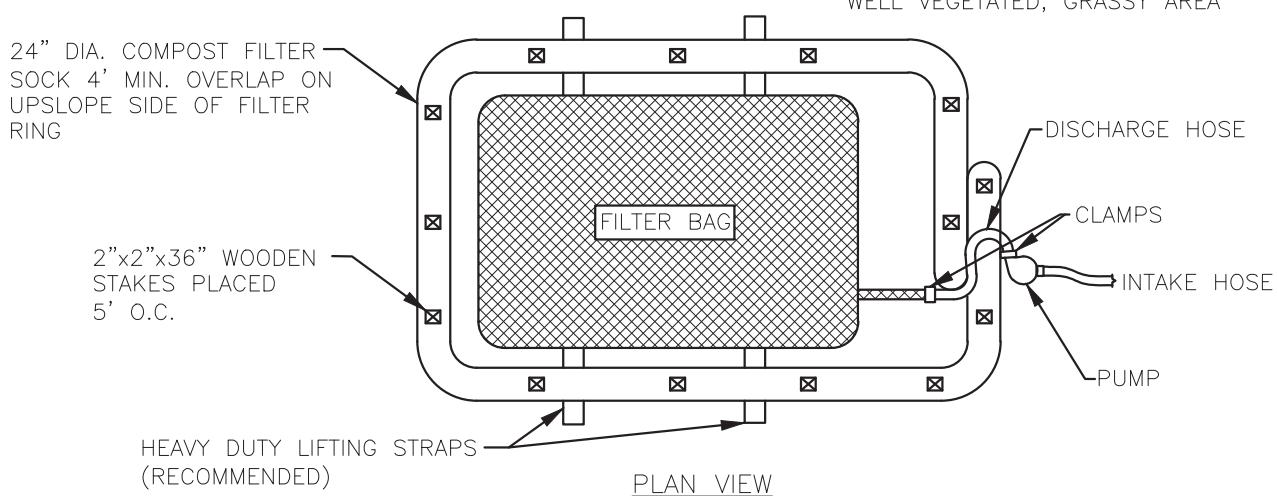


MT. AIRY CONNECTIVITY PROJECT
TYPICAL OPEN CUT STREAM/
DRAINAGE DITCH CROSS
SECTION DETAIL

JOB NUMBER:
80373

DRAWING NUMBER:
80373-TYP-007





LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

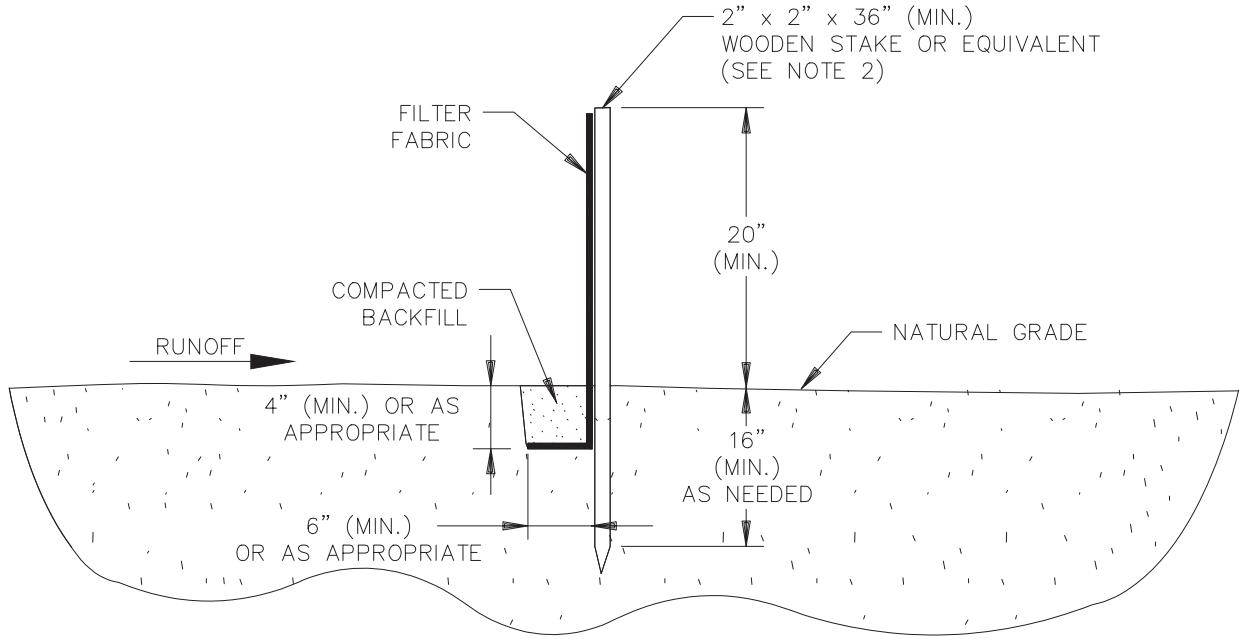
THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

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SECTION VIEW

NOTES:

1. SILT FENCES ARE TO BE USED IN ALL SURFACE CONSTRUCTION AREAS.
2. STAKES ARE TO BE PLACED EVERY 10' OR CLOSER AS DIRECTED BY ENVIRONMENTAL INSPECTOR.
3. ATTACH FILTER FABRIC AT EACH POST AT A MINIMUM OF THREE (3) LOCATIONS.
4. THE FILTER FABRIC (MIN. OF 1') IS TO BE ANCHORED IN AN APPROPRIATE TRENCH WITH WELL COMPAKTED BACKFILL OVER THE FABRIC TO PREVENT UNDERMINING.
5. TO ELIMINATE POSSIBLE END FLOW, BOTH ENDS OF THE SILT FENCE SHALL BE TURNED AND EXTENDED UP SLOPE AS DIRECTED BY ENVIRONMENTAL INSPECTOR.
6. SILT FENCES ARE TO BE CHECKED AND MAINTAINED ON A REGULAR BASIS AND IN ACCORDANCE WITH PERMIT REQUIREMENTS. REMOVE ANY BUILD-UP OF SEDIMENT WHEN THE HEIGHT OF SEDIMENT EXCEEDS APPROXIMATELY 50% OF THE HEIGHT OF THE BARRIER.
7. MATERIAL SHOULD BE WOVEN GEOTEXTILE FABRIC. SECONDARY REINFORCEMENT, SUCH AS A CONSTRUCTION BARRIER FENCE OR WIRE MESH CAN ALSO BE USED BEHIND THE FILTER FABRIC.
8. WHERE ANCHORING CONDITIONS FOR THE SILT FENCE ARE POOR, PLACE ANCHORED STRAW BALES OR SANDBAGS ON UPSTREAM/DOWNSTREAM SIDE OF THE SILT FENCE AS REQUIRED.
9. STAKED STRAW BALES MAY BE USED IN LIEU OF SILT FENCE (SEE TYPICAL 80373-TYP-011).

C	02/20/19	ISSUED FOR PERMIT	MCS	JMA	HGJ
B	02/13/19	ISSUED FOR REVIEW	RR	JMA	HGJ
A	01/15/19	ISSUED FOR REVIEW	RR	JMA	HGJ

REV DATE REVISION DESCRIPTION BY CKD APP

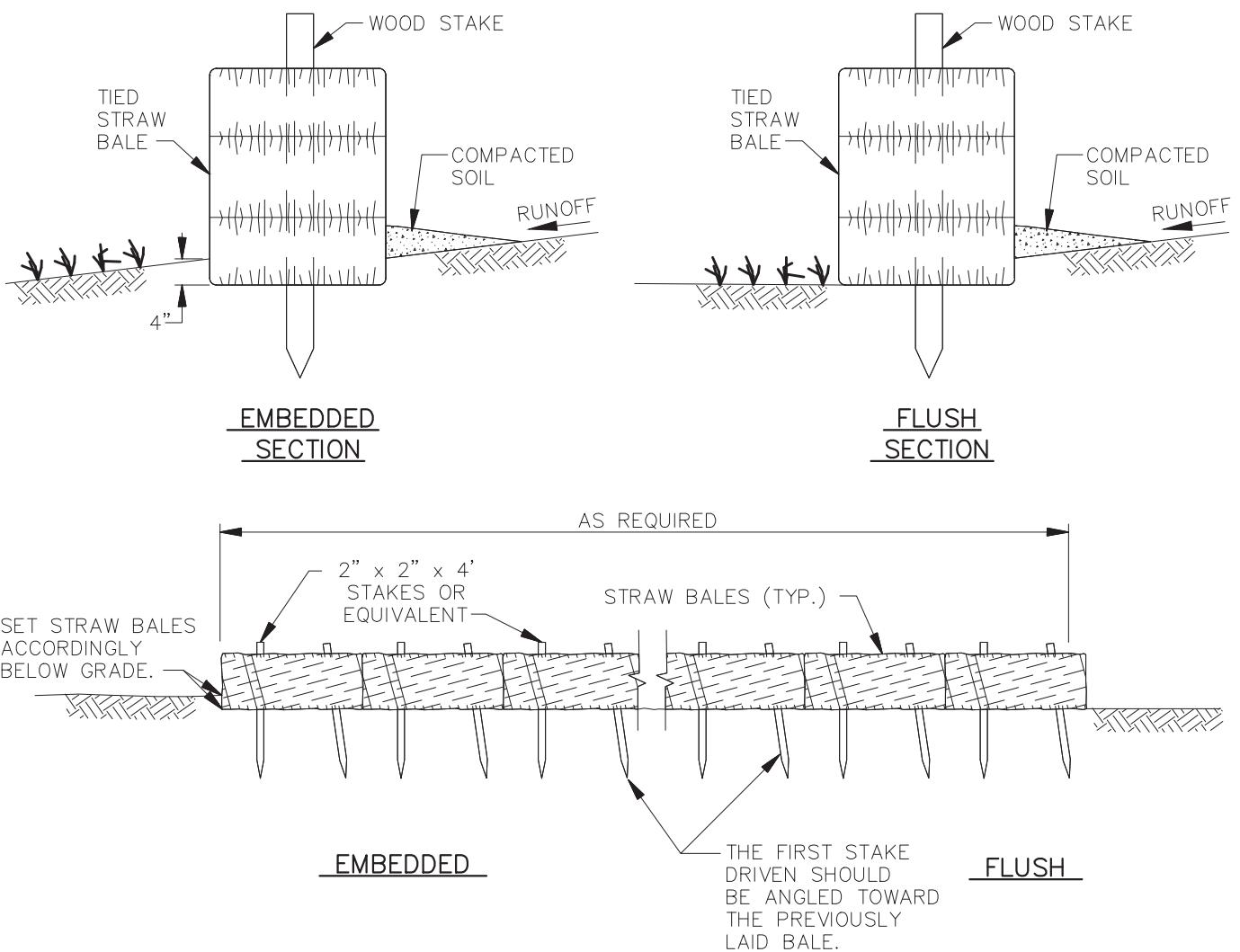


QPSE
A QUANTA SERVICES COMPANY

MT. AIRY CONNECTIVITY PROJECT
TYPICAL SILT
FENCE BARRIER

JOB NUMBER:
80373

DRAWING NUMBER:
80373-TYP-010



NOTES:

1. TO ELIMINATE POSSIBLE END FLOW, BOTH ENDS OF THE STRAW BALE BARRIER SHOULD BE TURNED AND EXTENDED UP SLOPE. EMBED BALES IN EARTH APPROXIMATELY 4" DEPENDENT UPON SOIL CONDITIONS.
2. EACH BALE SHOULD BE SECURED BY AT LEAST TWO (2) STAKES. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
3. COMPACT EXCAVATED SOIL AS NECESSARY AGAINST THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING.
4. STRAW BALE BARRIERS REQUIRE CONTINUAL MAINTENANCE TO REMOVE COLLECTED SEDIMENT AND REPLACE DAMAGED BALES. PAY CLOSE ATTENTION TO THE REPAIR OF DAMAGED BALES, END RUNS, AND UNDERCUTTING BENEATH BALES.
5. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL, AS NECESSARY. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
6. STRAW BALES TO BE INSTALLED EMBEDDED OR FLUSH AS CONDITIONS PERMIT.

C:\Qwiz 3D\Project\80373_MFC Mt. Airy Connectivity\Mapping\Drawings\Typicals\80373-TYP-011.dwg PLOTTED BY SCOTT CASEY @ 2/20/2019 2:46 PM

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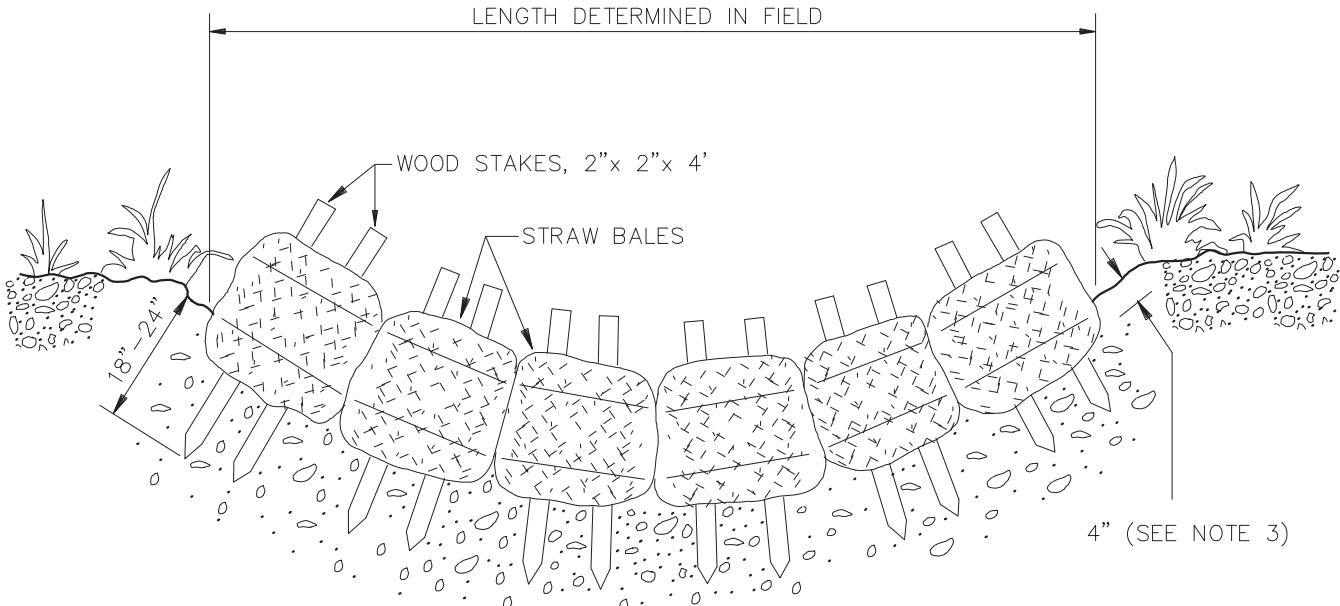


**MT. AIRY CONNECTIVITY PROJECT
TYPICAL STRAW
BALE BARRIER**

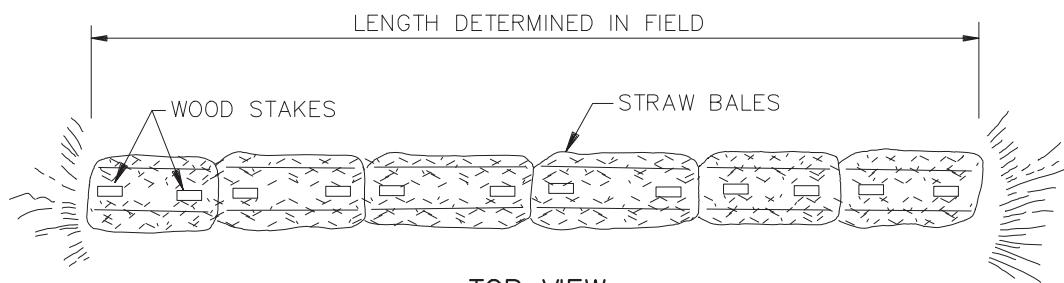
JOB NUMBER:
80373

DRAWING NUMBER:
80373-TYP-011





FRONT VIEW



TOP VIEW

NOTES:

1. INSTALL DURING CLEARING AND GRADING.
2. ANGLE FIRST STAKE TOWARD PREVIOUSLY LAID BALE.
3. EMBED BALES IN EARTH APPROXIMATELY 4".
4. WHEN REMOVING BALES, SCATTER SILT AND STRAW OVER RIGHT-OF-WAY.

C	02/20/19	ISSUED FOR PERMIT	MCS	JMA
B	02/13/19	ISSUED FOR REVIEW	RR	JMA
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REV	DATE	REVISION DESCRIPTION	BY	CKD APP



**Marathon
Pipe Line LLC**
A QUANTA SERVICES COMPANY

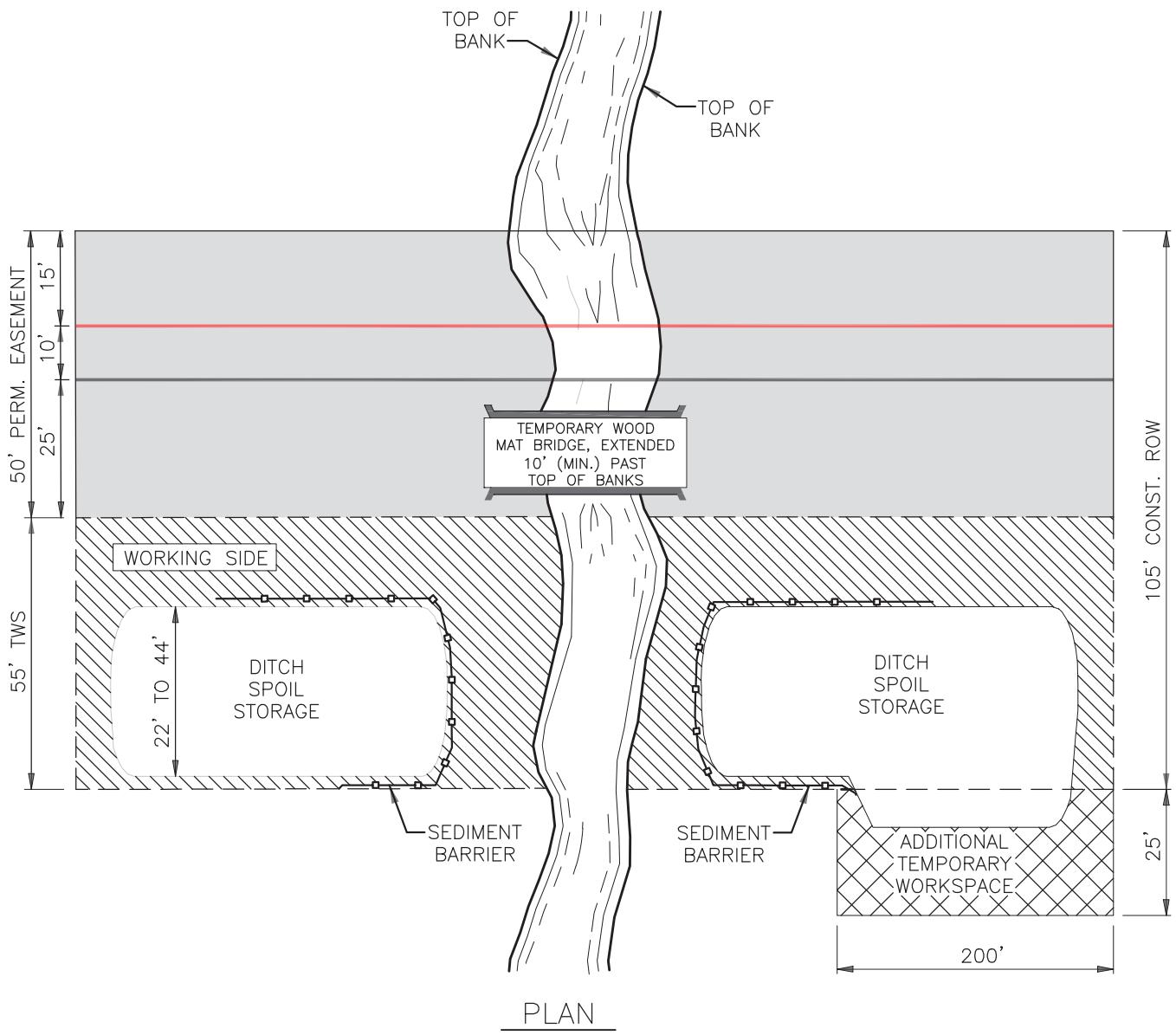


**MT. AIRY CONNECTIVITY PROJECT
TYPICAL EROSION CONTROL
STAKED STRAW BALES**

JOB NUMBER:
80373

DRAWING NUMBER:
80373-TYP-012





NOTE:

1. TEMPORARY SEDIMENT BARRIER CONSISTING OF SILT FENCE AND/OR STRAW BALES, OR APPROPRIATE MATERIALS WILL BE USED AS APPROPRIATE.

CH\QSE\3D Projects\80373_MFC Mt. Airy Connectivity\Mapping\Drawings\Typicals\80373-TYP-013.dwg PLOTTED BY: SCOTT CASEY @ 2/20/2019 3:04 PM

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SCALES ON DRAWINGS ARE FOR ANSI "A" SIZE (8.5x11) PRINTS. REPRODUCTION AT DIFFERENT SIZES WILL RESULT IN DIFFERENT SCALES.

B	02/20/19	ISSUED FOR PERMIT	MCS	JMA	HGJ
A	02/13/19	ISSUED FOR REVIEW	RR	JMA	HGJ
REV	DATE	REVISION DESCRIPTION	BY	CKD	APP



MT. AIRY CONNECTIVITY PROJECT
STANDARD CONSTRUCTION WET
STREAM CROSSING WITH OPTIONAL
ACCESS ROAD

JOB NUMBER:
80373

DRAWING NUMBER:
80373-TYP-013



Plotted by: ghall on: Apr 28, 2016 - 12:52pm

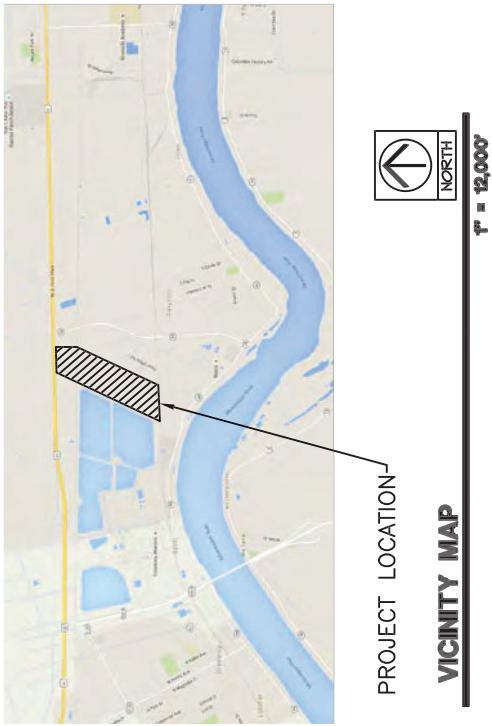
INDEX OF SHEETS	
1	COVER SHEET AND CIVIL DRAWING INDEX
2	OVERALL SITE PLAN
3-6	SITE PLAN
7	PROPOSED DRAINAGE MAP
8	DEVELOPMENT IMPACT MAP
9-10	ENLARGED ZONE 4 – PROPOSED PIPELINE CROSSING DETAIL
11-12	TEMPORARY AGGREGATE ROAD TYPICAL SECTIONS
13	AGGREGATE ROAD AND CONTAINMENT BERM TYPICAL SECTIONS
14-19	ZONE 3 CROSS SECTION
20-21	ZONE 4 CROSS SECTION



**PIN OAK TERMINALS
MOUNT AIRY TERMINAL
LDNIR COASTAL USE PERMIT PLANS**

**PIN OAK HOLDINGS, LLC, OWNER
ST. JOHN THE BAPTIST PARISH, LOUISIANA
A/E PROJECT NO. 20-1544B**

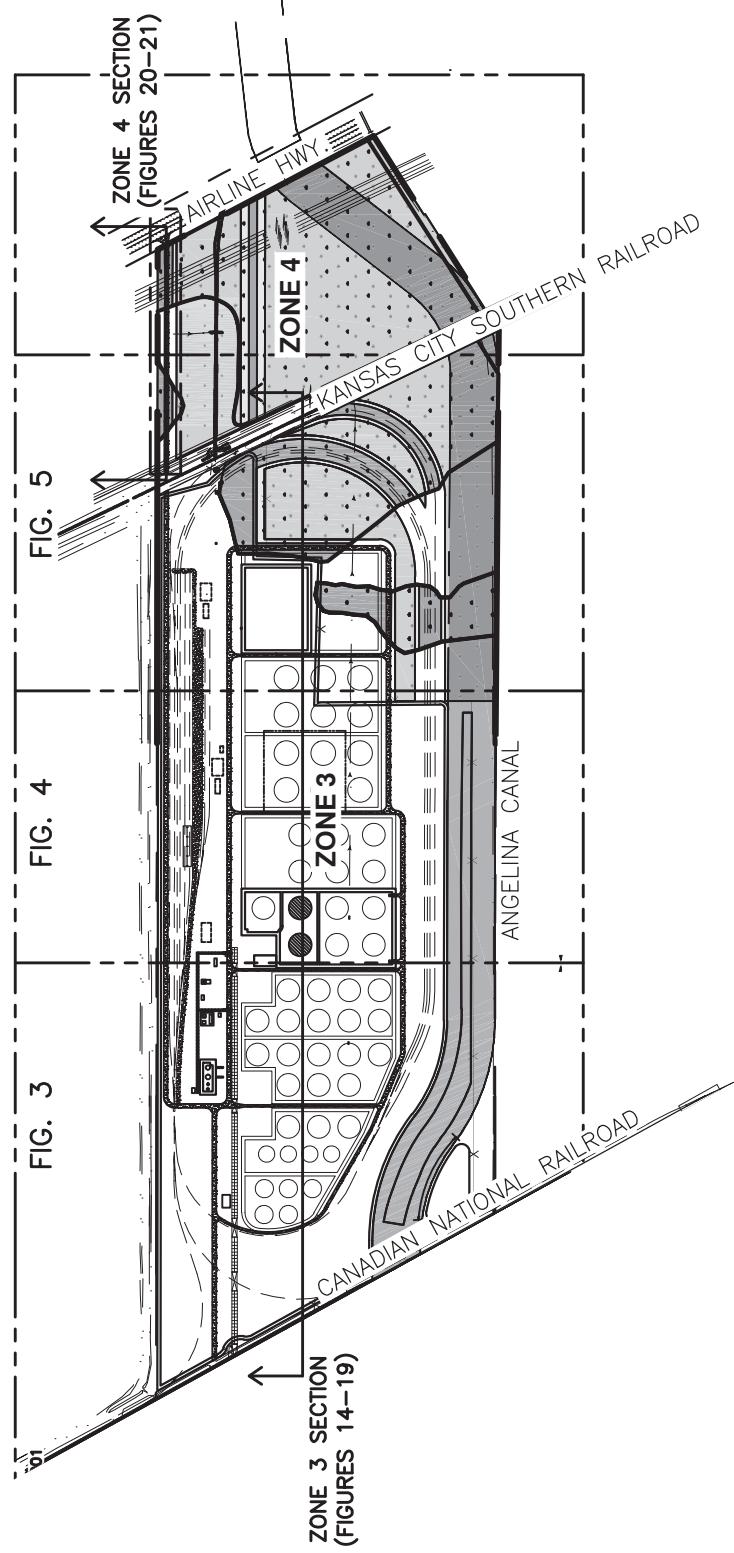
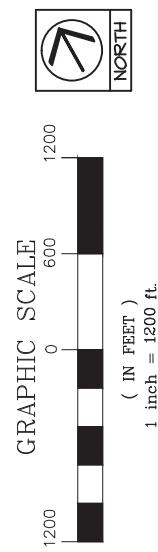
NOTE: UNLESS OTHERWISE NOTED, THE 2006 EDITION OF THE DOTD LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES SHALL GOVERN ON THIS PROJECT.



COVER SHEET AND CIVIL DRAWING INDEX
MT. AIRY TERMINAL

ST. JOHN THE BAPTIST PARISH	LOUISIANA
DWG. NO.	REV.

REV. B



DRWN	GH	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

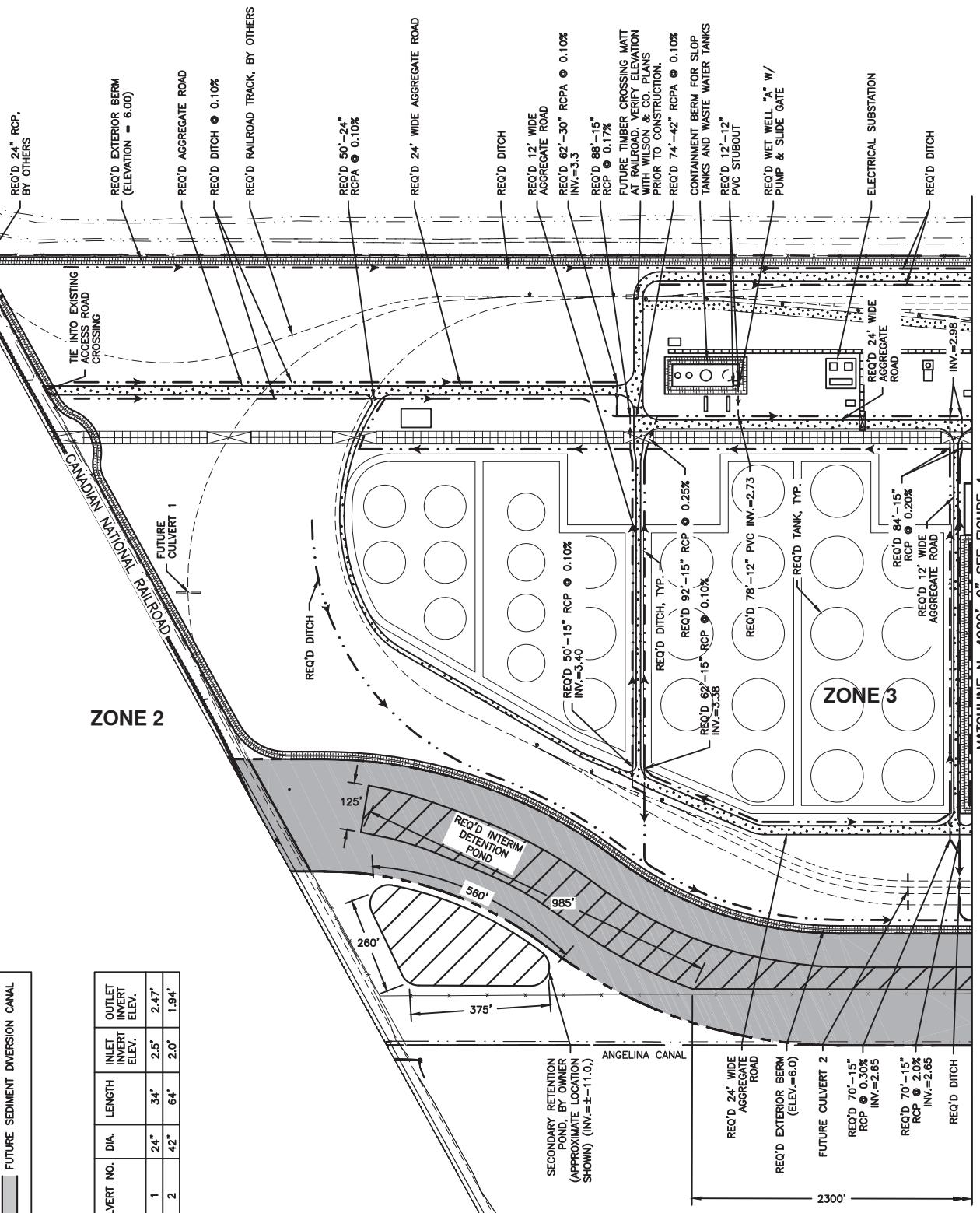
REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



OVERALL SITE PLAN
 MT. AIRY TERMINAL
 ST. JOHN THE BAPTIST PARISH LOUISIANA
 DWG. NO. FIGURE 2 OF REV. B

LEGEND:	
	REQ'D GRADE @ 6% ELEV. 60'
	REQ'D BERM
	REQ'D DITCH
	REQ'D AGGREGATE ROAD
	REQ'D RETENTION POND
	FUTURE SEDIMENT DIVERSION CANAL

GRAPHIC SCALE



DRWN GH, KJB	EMS PROJECT NO. 70284
DATE 04/28/16	CLIENT AFE 101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



SITE PLAN
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 3 OF REV. B

LEGEND:	
	REQ'D GRADE
	REQ'D BERM
	REQ'D DITCH
	REQ'D AGGREGATE ROAD
	REQ'D RETENTION POND
	FUTURE SEDIMENT DIVERSION CANAL

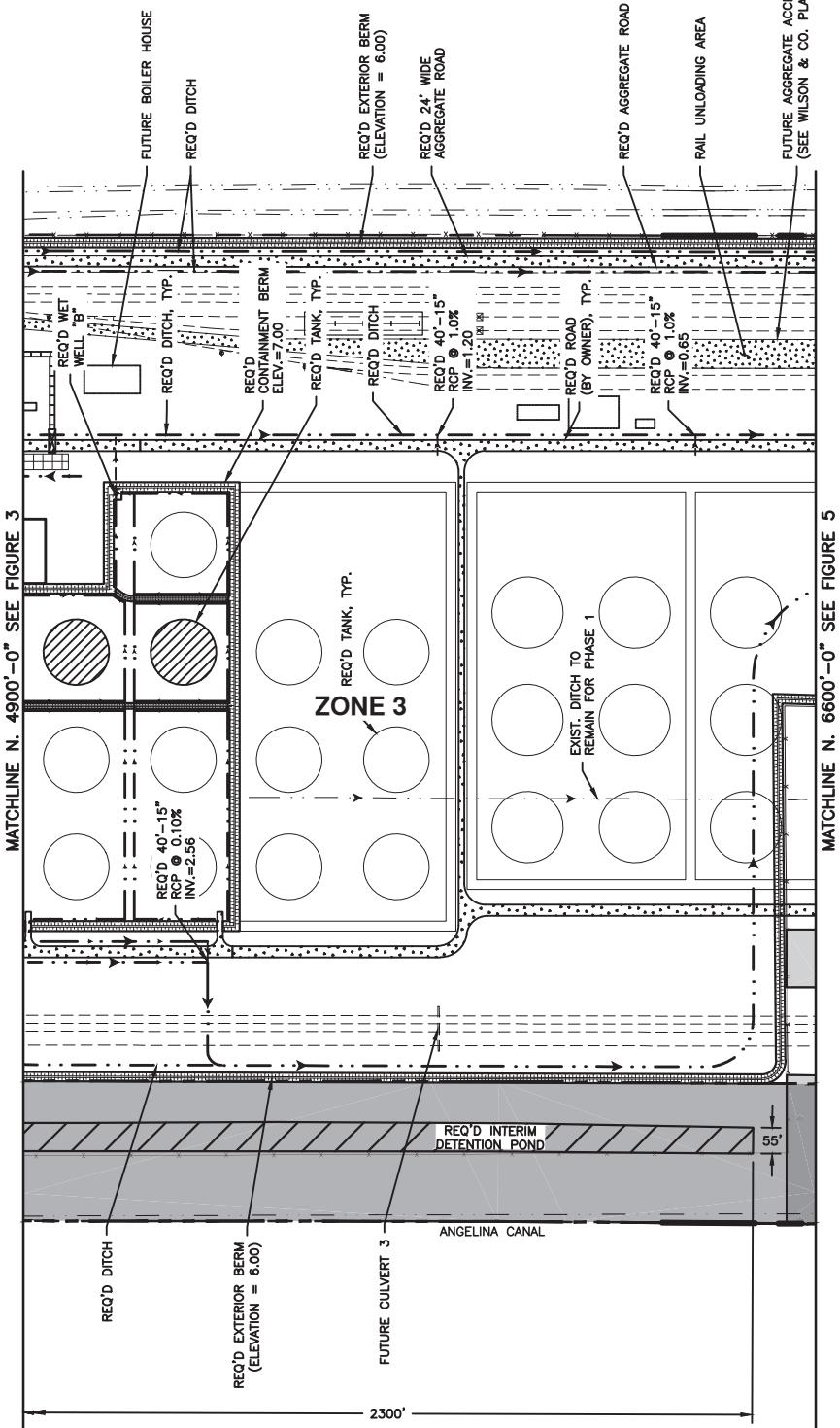
GRAPHIC SCALE
(IN FEET)
1 inch = 400 ft.



NORTH

CULVERT NO.	DIA.	LENGTH	INLET INVERT ELEV.	OUTLET INVERT ELEV.
3	42"	64'	20'	19.4'

MATCHLINE N. 4900'-0" SEE FIGURE 3



DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



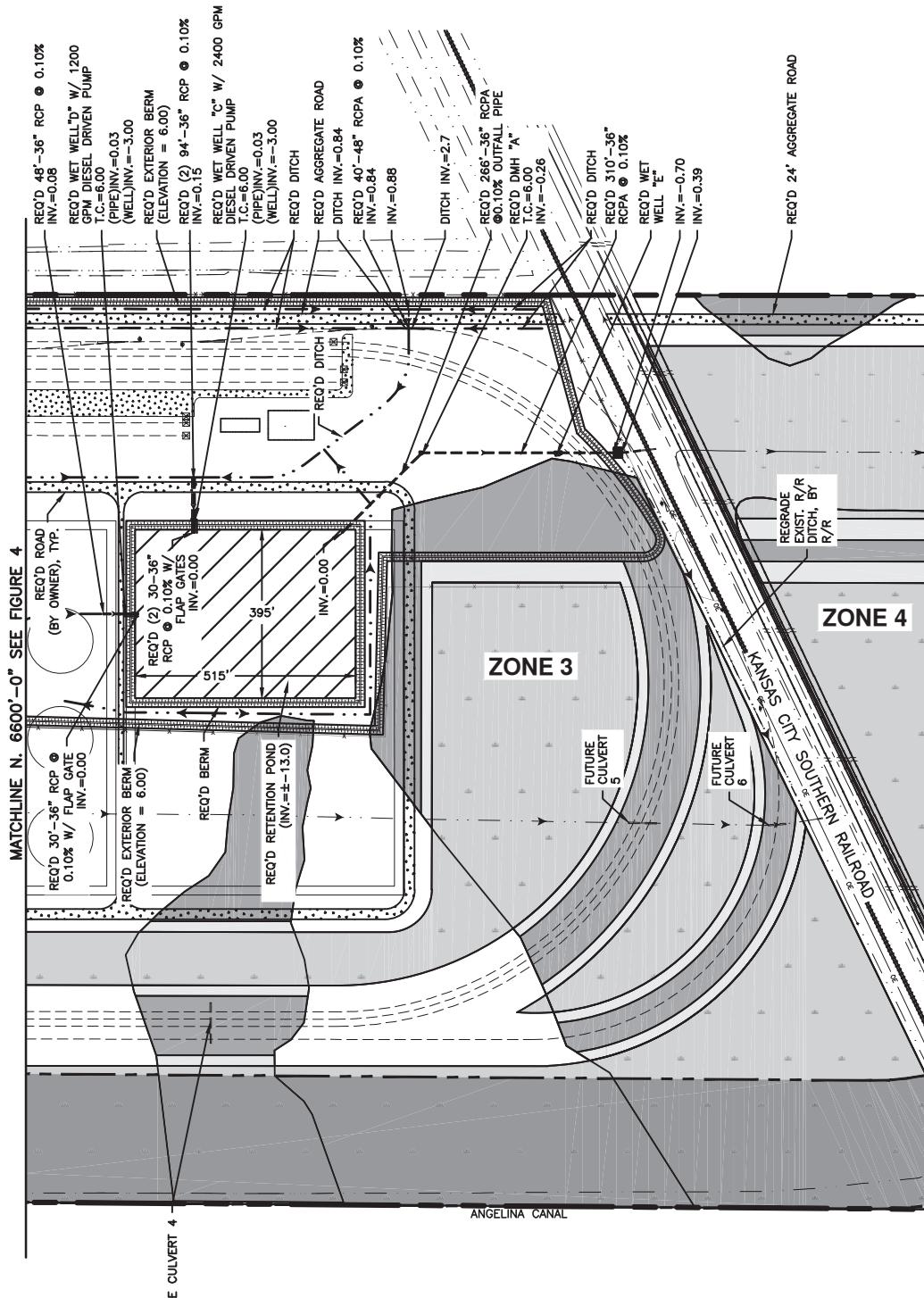
SITE PLAN
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH
LOUISIANA
DWG. NO. FIGURE 4 OF REV. B

LEGEND:	
REQD GRADE @ 6% [diagonal lines]	REQD BERM
REQD DITCH [dashed line]	REQD AGGREGATE ROAD
REQD RETENTION POND [cross-hatch]	NON-MITIGATED WETLANDS
TEMPORARY IMPACTED WETLANDS [solid line]	PERMANENT IMPACTED WETLANDS
FUTURE SEDIMENT DIVERSION CANAL [solid line with dots]	

CULVERT NO.	DIA.	LENGTH	INLET INVERT ELEV.	OUTLET INVERT ELEV.
4	27"	64'	2.0'	1.94'
5	48"	64'	1.5'	1.44'
6	48"	50'	1.4'	1.35'



MATCHLINE N. 6600'-0" SEE FIGURE 4



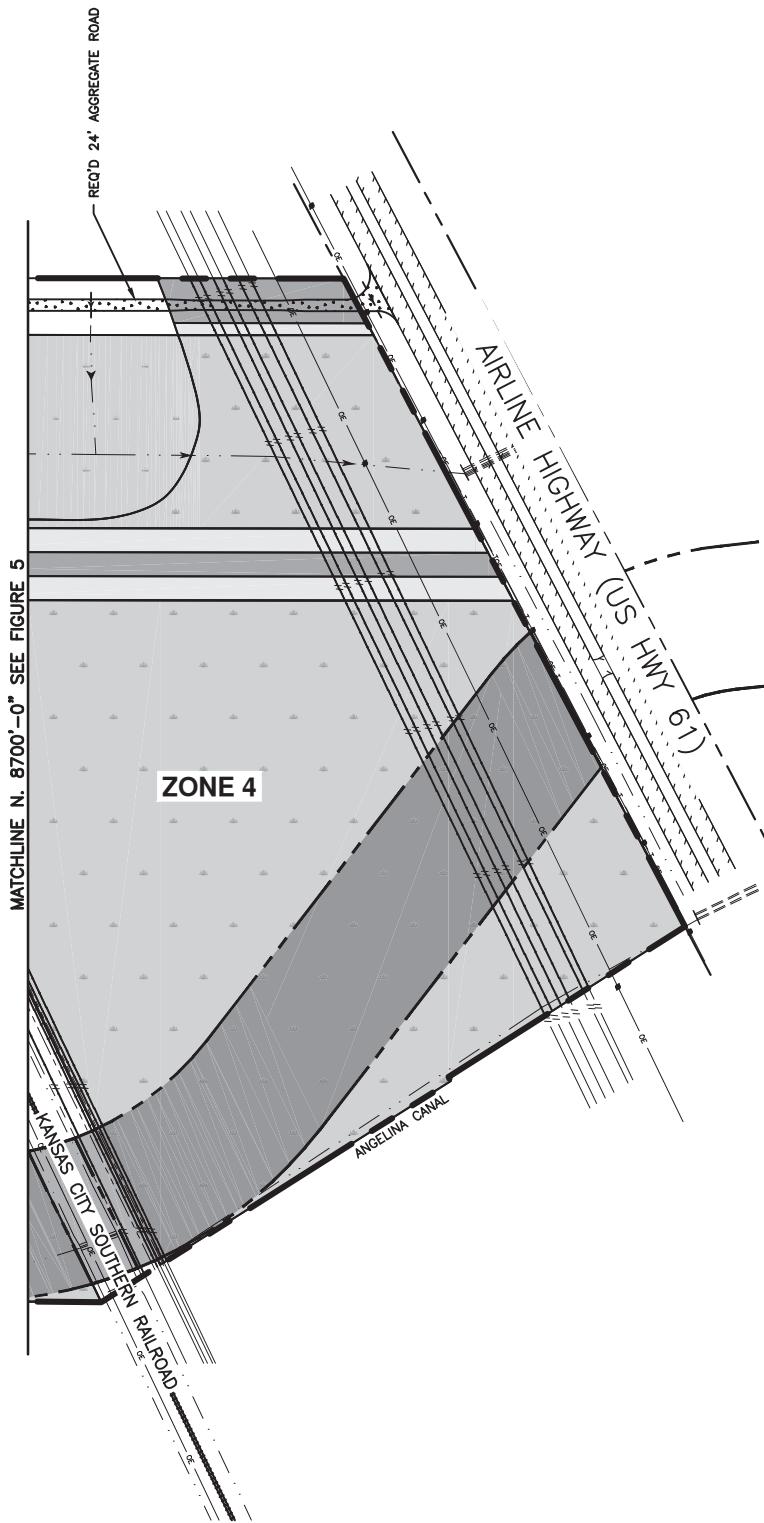
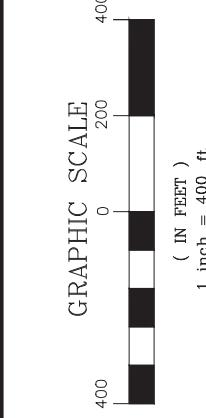
DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



SITE PLAN
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 5 OF REV. B

LEGEND:	
	REQD GRADE
	REQD BERM
	REQD DITCH
	REQD AGGREGATE ROAD
	REQD RETENTION POND
	NON-MITIGATED WETLANDS
	TEMPORARY IMPACTED WETLANDS
	PERMANENT IMPACTED WETLANDS
	FUTURE SEDIMENT DIVERSION CANAL

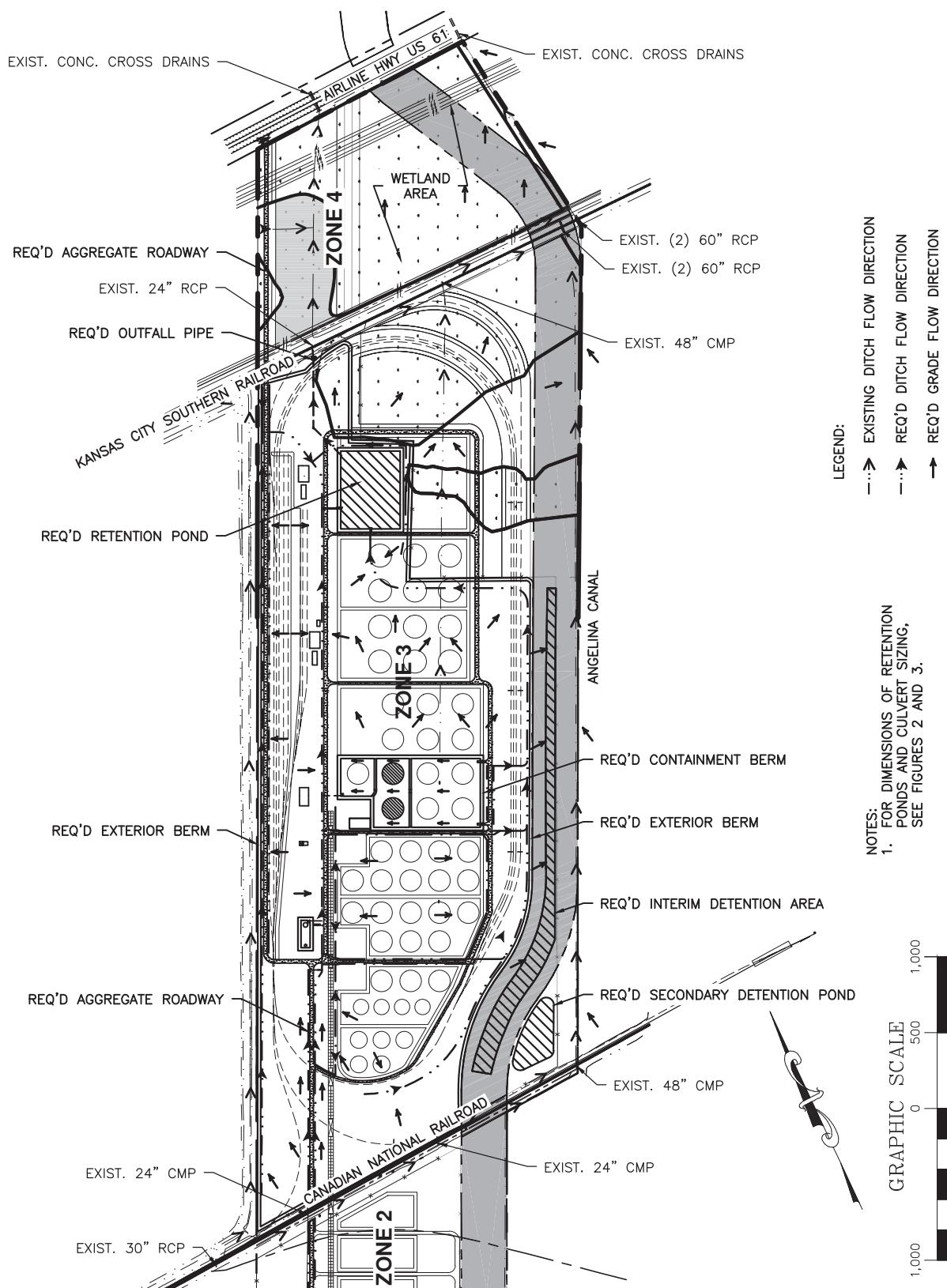


DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



SITE PLAN
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH
LOUISIANA
DWG. NO. FIGURE 6 OF REV. B

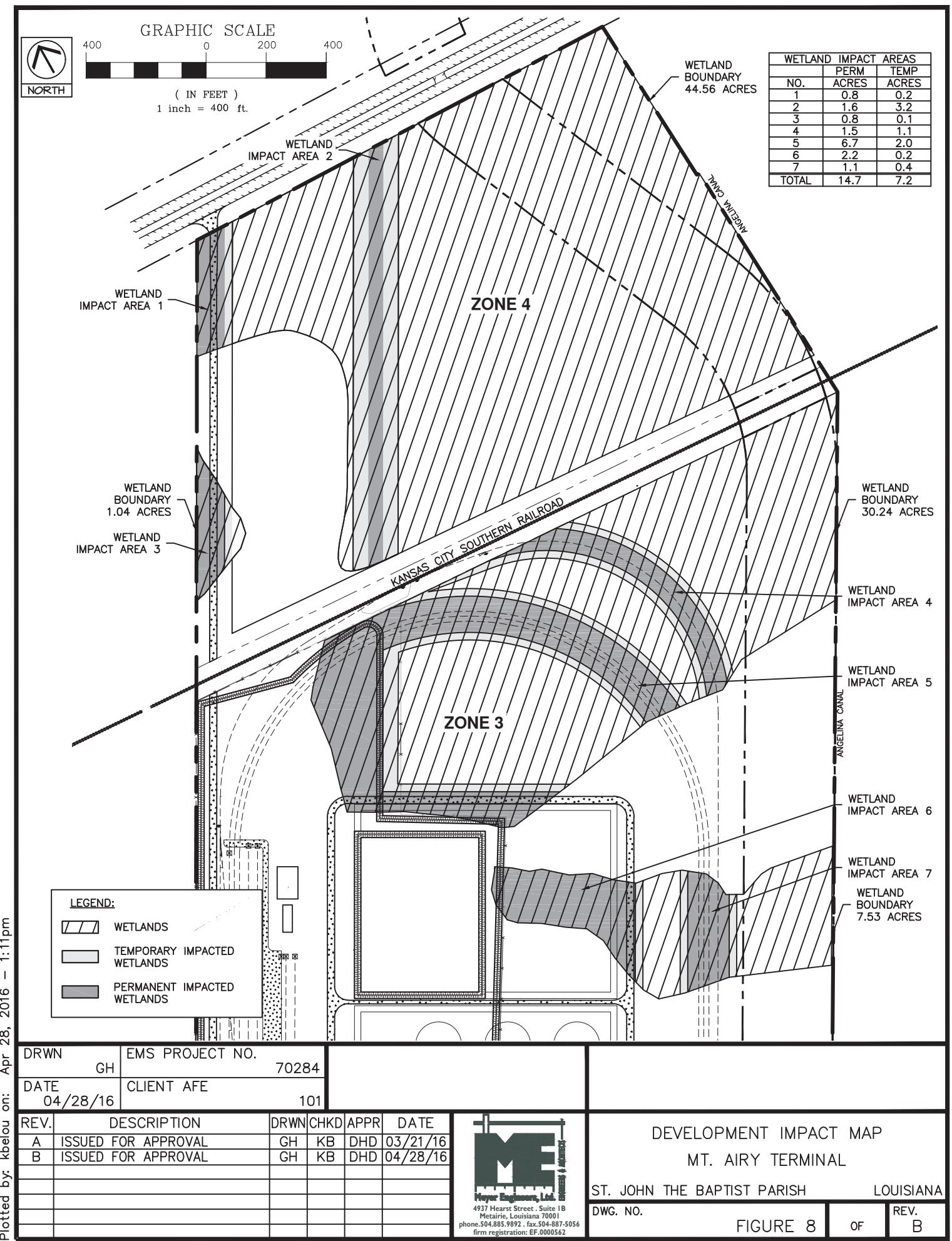


DRWN KJB	EMS PROJECT NO. 70284
DATE 04/28/16	CLIENT AFE 101

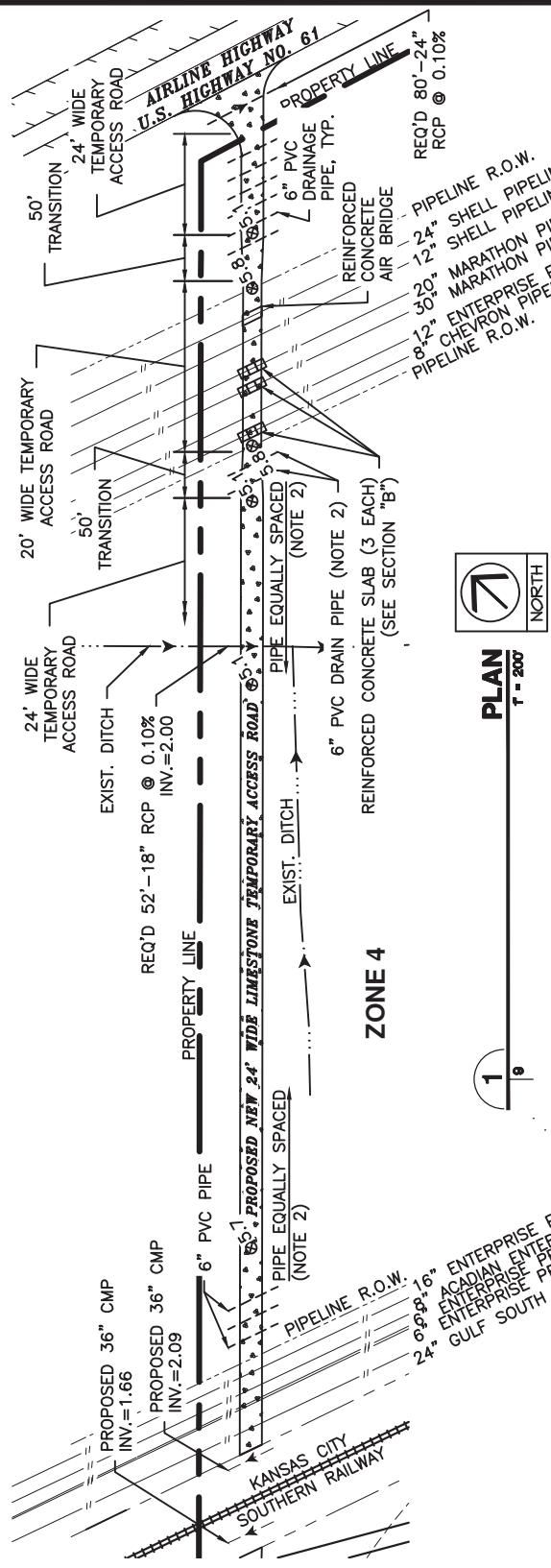
REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



**PROPOSED DRAINAGE MAP
MT. AIRY TERMINAL**
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 7 OF REV. B



Plotted by: kbelou on: Apr 28, 2016 - 2:40pm



DRWN	KJB	EMS PROJECT NO.
DATE	04/28/16	70284
	CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



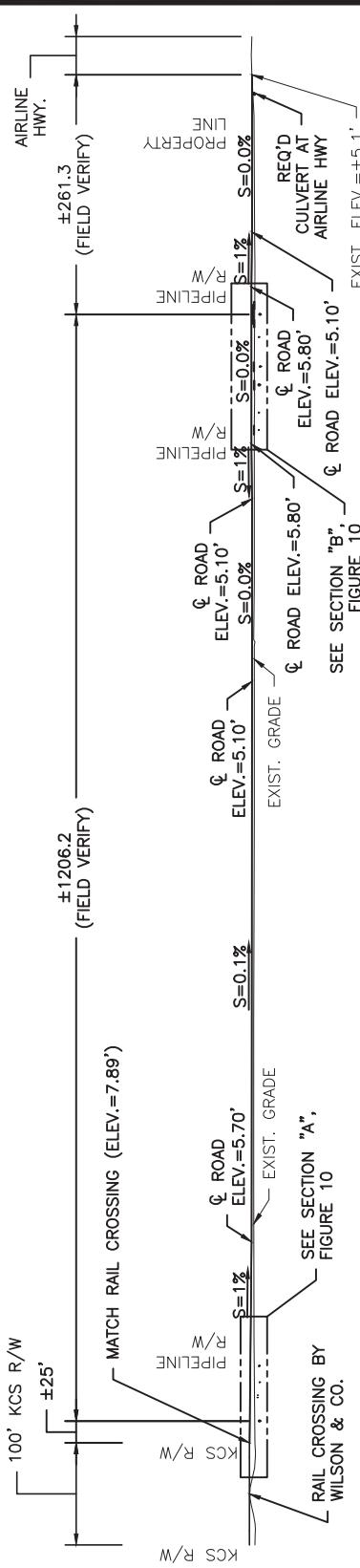
**ENLARGED ZONE 4
PROPOSED PIPELINE CROSSING DETAIL
MT. AIRY TERMINAL**

ST. JOHN THE BAPTIST PARISH
DWG. NO.

LOUISIANA
REV.

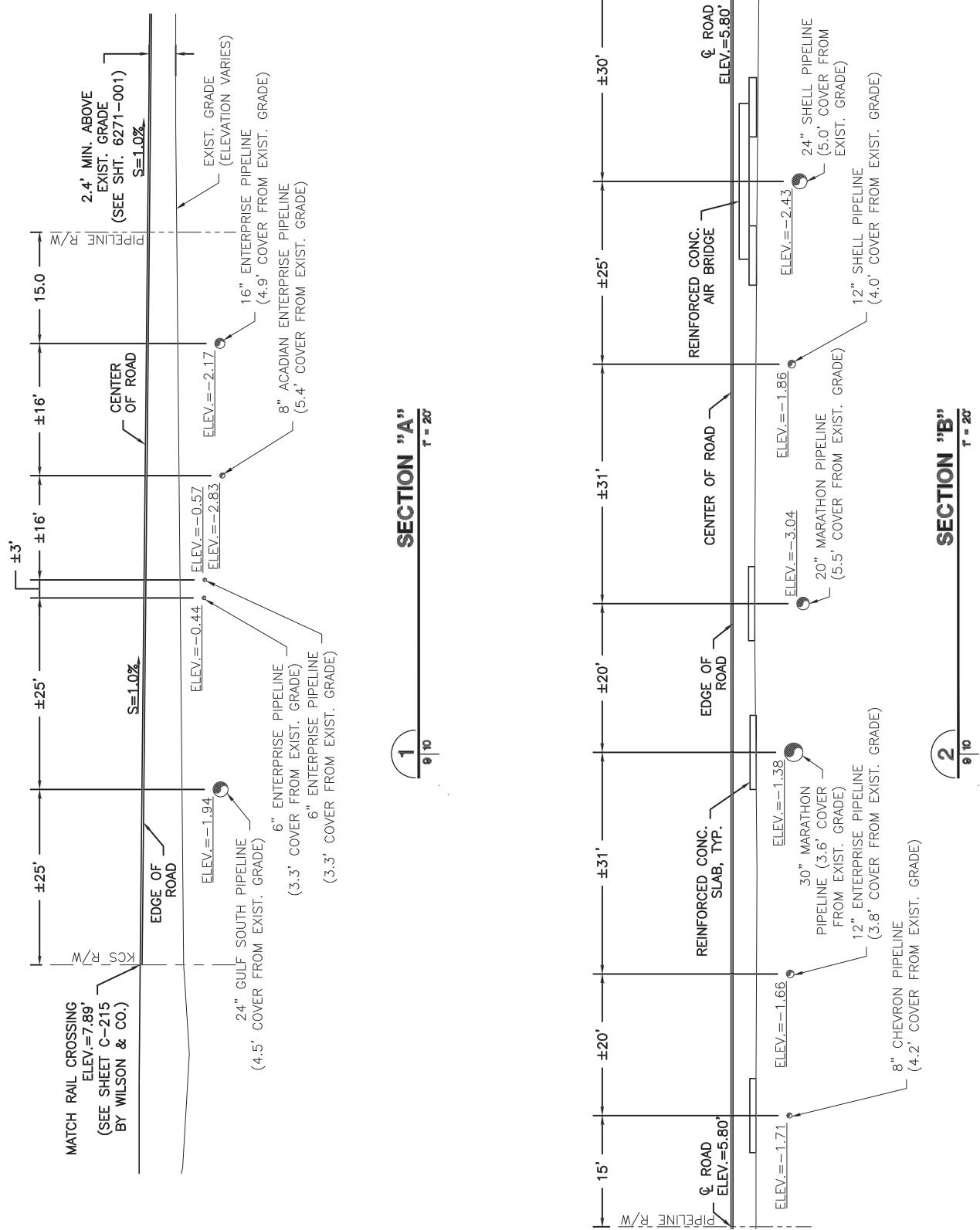
FIGURE 9

OF B



OFILE - LOOKING WEST

- INFORMATION AND LOCATIONS TAKEN FROM LEONARD CHALVIN P.E. P.L.S. INC., "PROPOSED PIPELINE CROSSING DETAIL" DRAWING NO. 1, DATED 12/02/15. WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT PIPELINE PERMITS.



DRWN	KJB	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ENLARGED ZONE 4 PROPOSED PIPELINE CROSSING DETAIL MT. AIRY TERMINAL

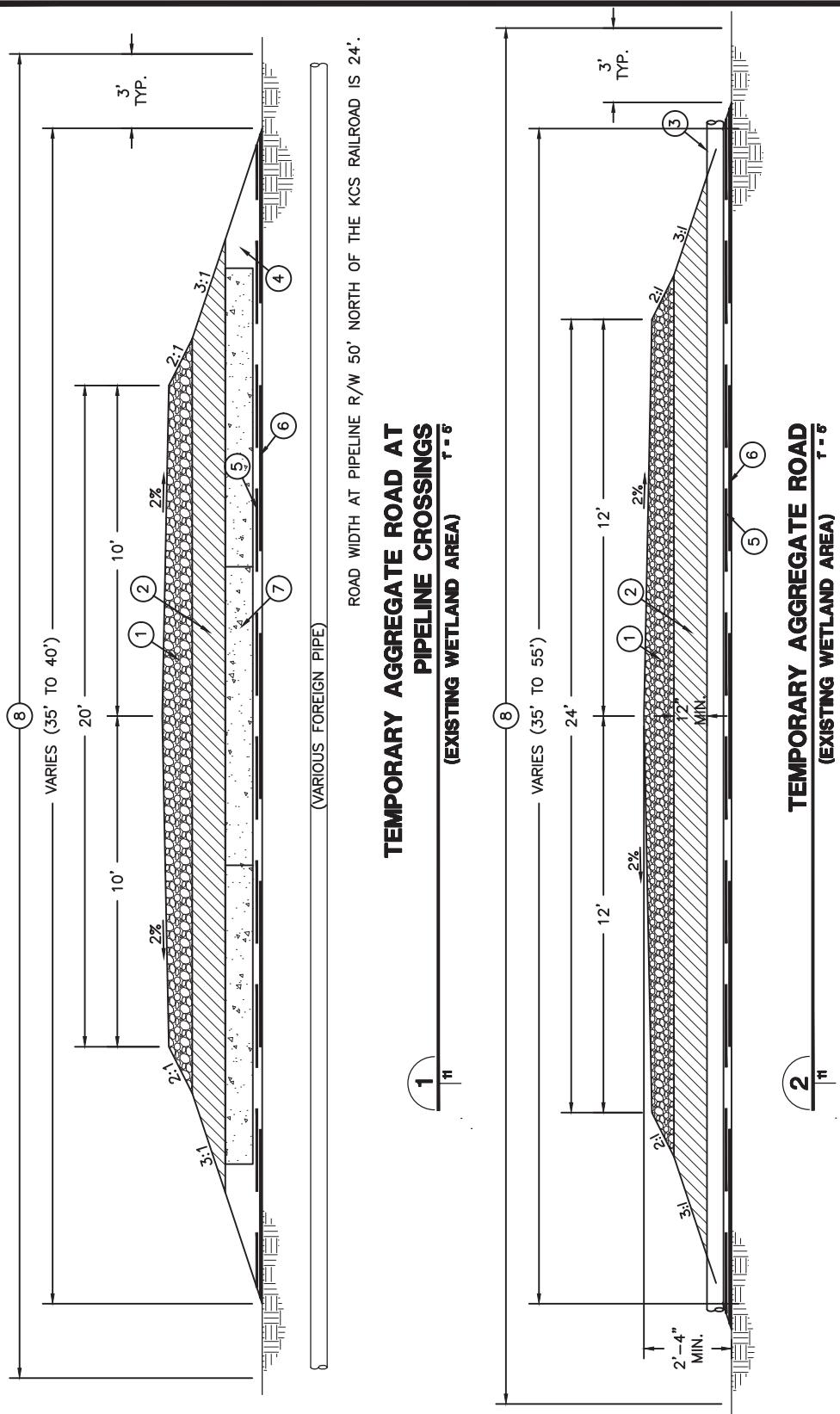
ST. JOHN THE BAPTIST PARISH LOUISIANA

DWG. NO.

FIGURE 10

OF

REV. B

LEGEND:

- (1) 8" BASE COURSE (CRUSHED LIMESTONE OR CRUSHED CONCRETE)
- (2) 12" SELECT FILL MATERIAL BETWEEN AND OVER PIPE
- (3) 6" PVC, SCH 40 TO ALLOW TRANSVERSE "NATURAL" DRAINAGE ACROSS THE ROAD AT A MAXIMUM OF 50' ON-CENTER
- (4) PLACE AND COMPACT SUBGRADE SELECT FILL DIRECTLY OVER THE GEOTEXTILE TO EXISTING GRADE
- (5) GEOTEXTILE DIRECTLY ON THE GEOTEXTILE FABRIC.
- (6) NONWOVEN GEOTEXTILE FABRIC ON COMPAKTED SUBGRADE.
- (7) REINFORCED CONCRETE SLAB FOR UN-CASED ROAD CROSSING. THREE (3) 10'x10' SLABS REQUIRED FOR ROAD WIDTH
- (8) CLEAR AND GRUB AREA TO 3 FEET BEYOND OUTSIDE PERIMETERS. REMOVE ALL VEGETATION, MAJOR ROOT SYSTEMS, ORGANIC SURFACE SOILS, DELETERIOUS MATERIALS, AND TREE STUMPS



TEMPORARY AGGREGATE ROAD
TYPICAL SECTIONS
MT. AIRY TERMINAL

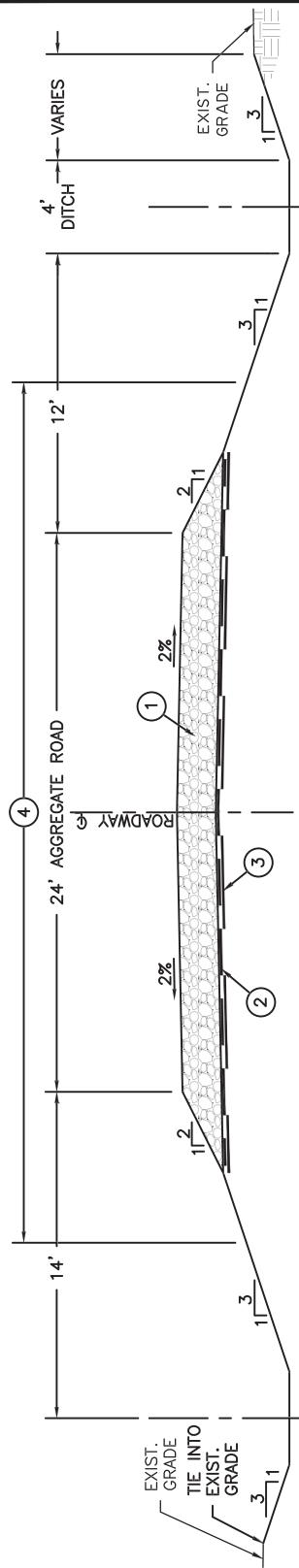
ST. JOHN THE BAPTIST PARISH LOUISIANA

DWG. NO.

FIGURE 11

OF

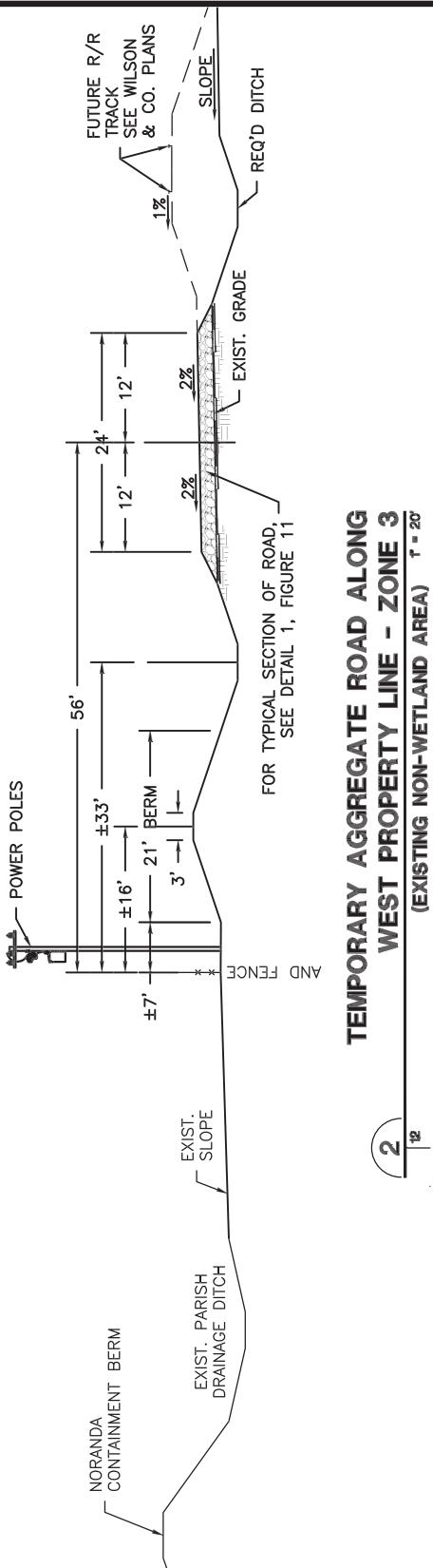
REV. B



TEMPORARY AGGREGATE ROAD
(EXISTING NON-WETLAND AREA) $r = \frac{6}{8}$

LEGEND:

- ① CRUSHED AGGREGATE FILL TO DESIGN GRADE (20" MIN.)
- ② GEOGRID OVER GEOTEXTILE FABRIC.
- ③ NONWOVEN GEOTEXTILE (SEPARATOR) FABRIC ON COMPACTED SUBGRADE.
- ④ CLEAR AND GRUB AREA TO 3 FEET BEYOND OUTSIDE PERIMETERS. REMOVE VEGETATION, MAJOR ROOT SYSTEMS, ORGANIC SURFACE SOILS, DELETERIOUS MATERIALS, AND TREE STUMPS



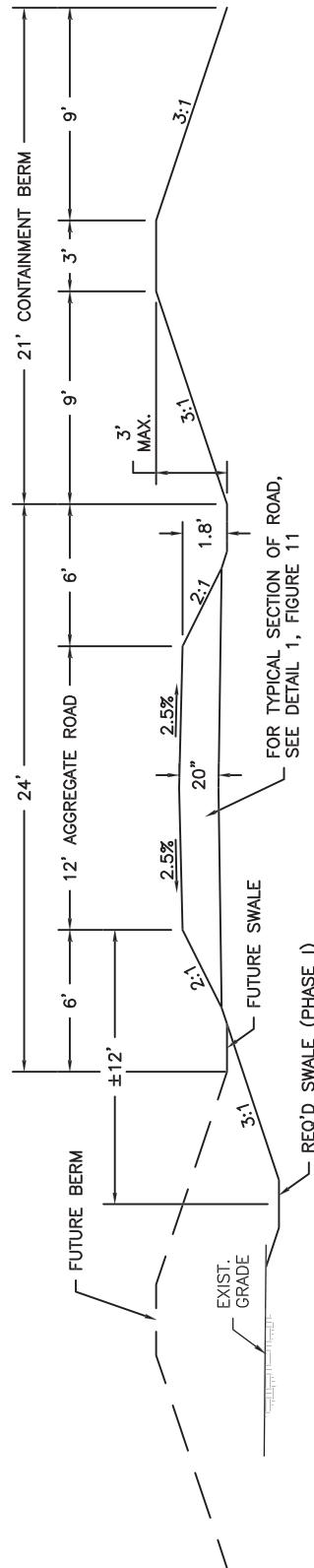
**TEMPORARY AGGREGATE ROAD ALONG
WEST PROPERTY LINE - ZONE 3**
(EXISTING NON-WETLAND AREA) $r = 20'$

DRWN	KJB	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



TEMPORARY AGGREGATE ROAD
TYPICAL SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 12 OF REV. B

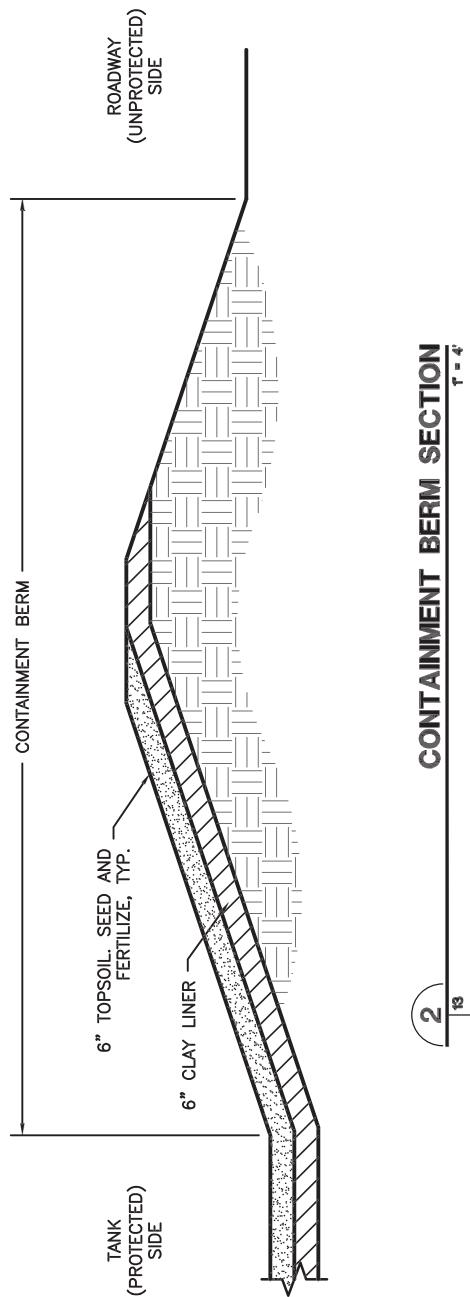


**AGGREGATE ROADWAY (12' WIDE) AT
CONTAINMENT BERMS - LOOKING WEST**

13

(EXISTING NON-WETLAND AREA)

SEE DETAIL 1, FIGURE 11



CONTAINMENT BERM SECTION

13

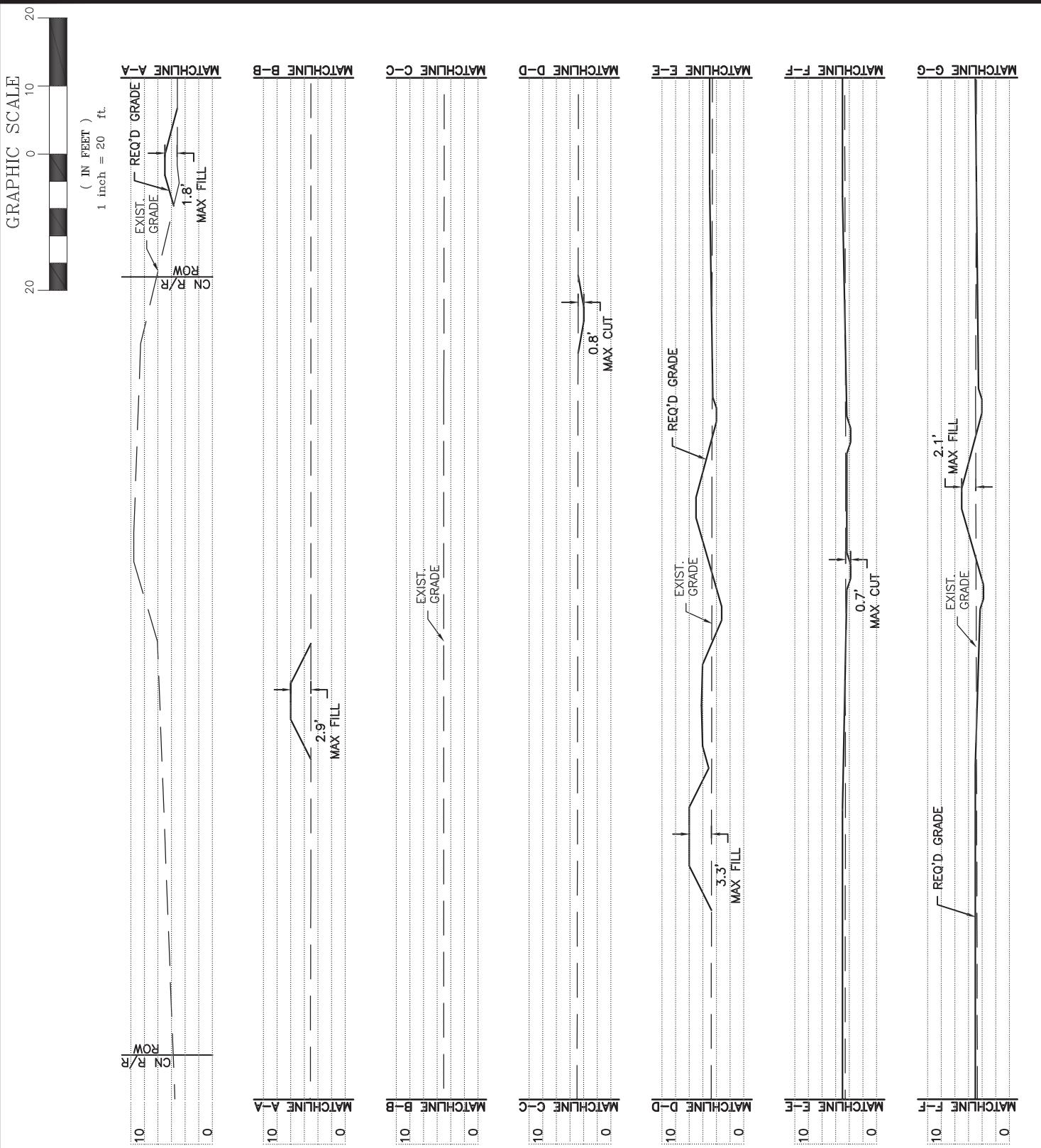
REV. B
OF FIGURE 13

DRWN	KJB	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



AGGREGATE ROAD AND CONTAINMENT
BERM TYPICAL SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 13 OF REV. B

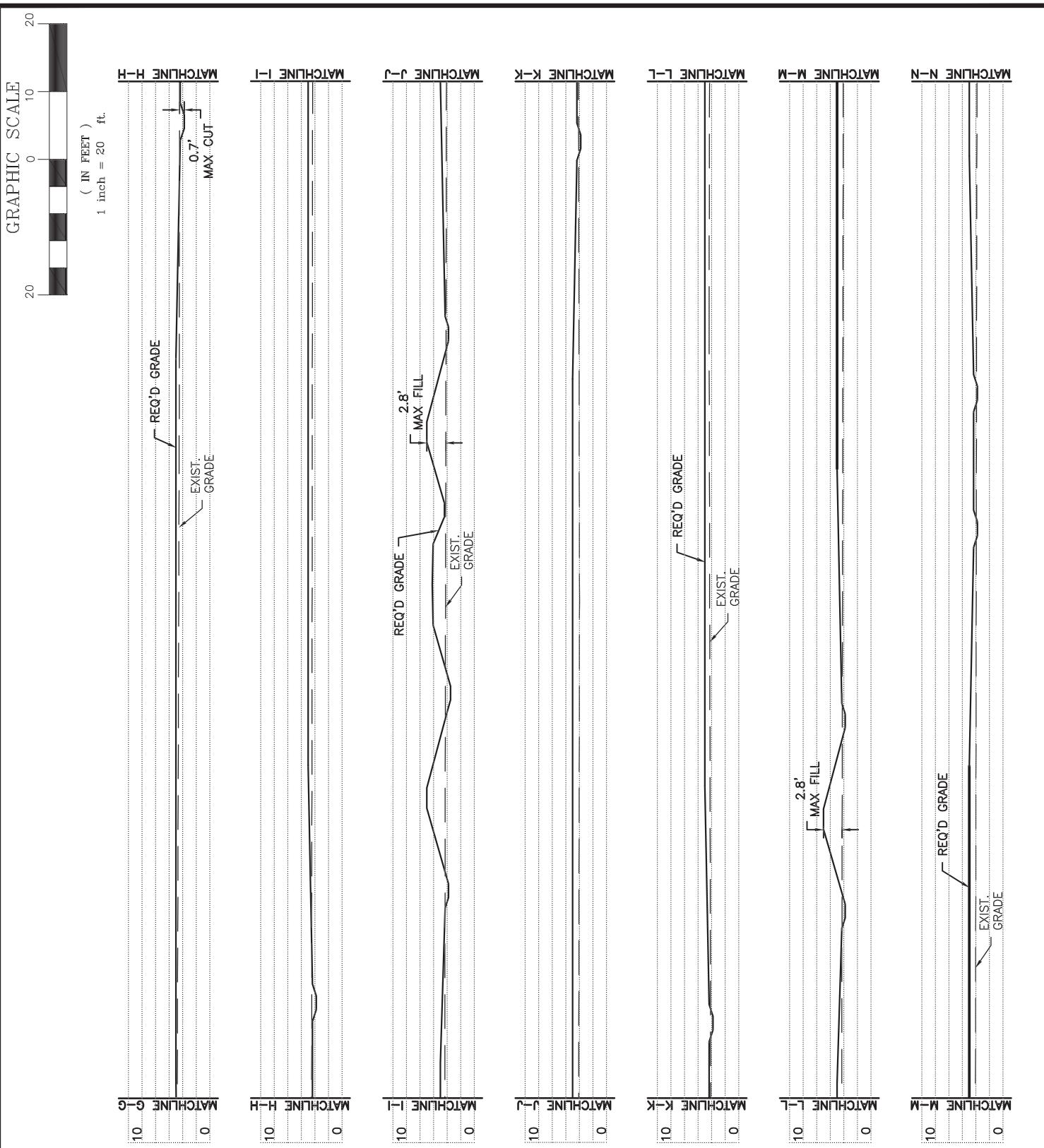


DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 14 OF REV. B



Plotted by: ghall on: Apr 28, 2016 – 12:56pm

DRWN GH	EMS PROJECT NO. 70284
DATE 04/28/16	CLIENT AFE 101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL

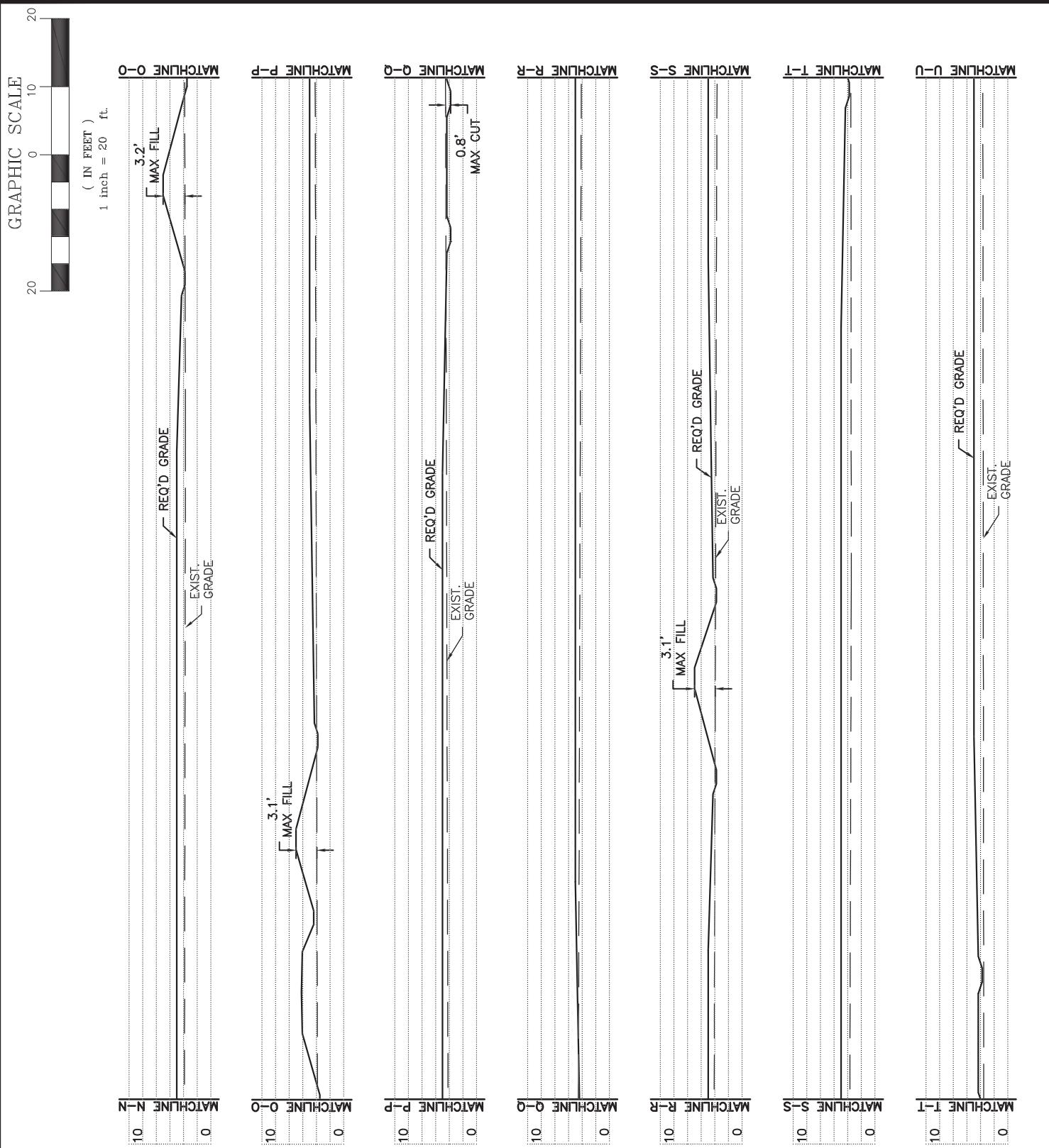
ST. JOHN THE BAPTIST PARISH **LOUISIANA**

DWG. NO.

FIGURE 15

OF

REV.
B

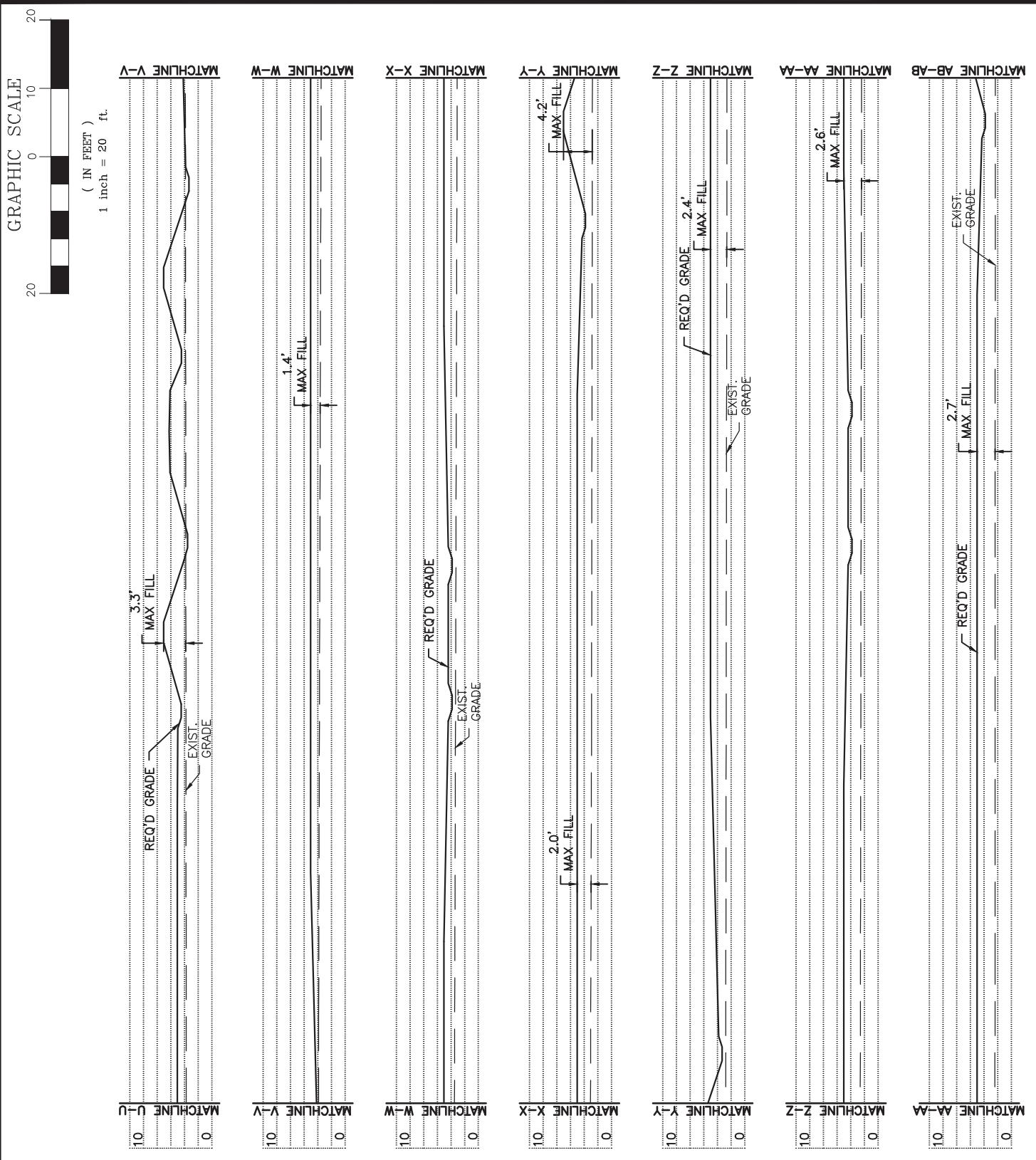


DRWN GH	EMS PROJECT NO. 70284	
DATE 04/28/16	CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 16 OF REV. B

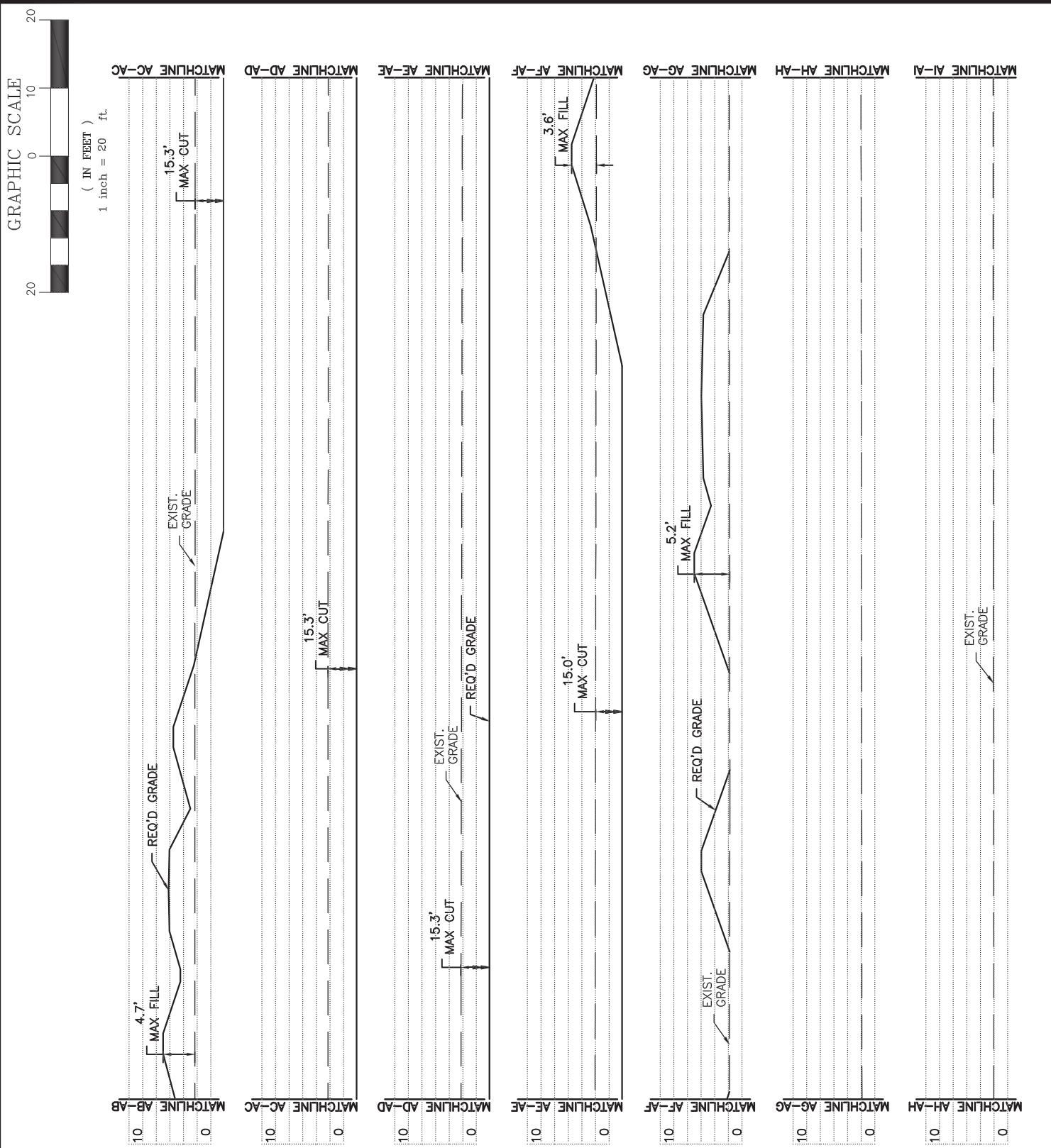


DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH
LOUISIANA
DWG. NO. FIGURE 17 OF REV. B

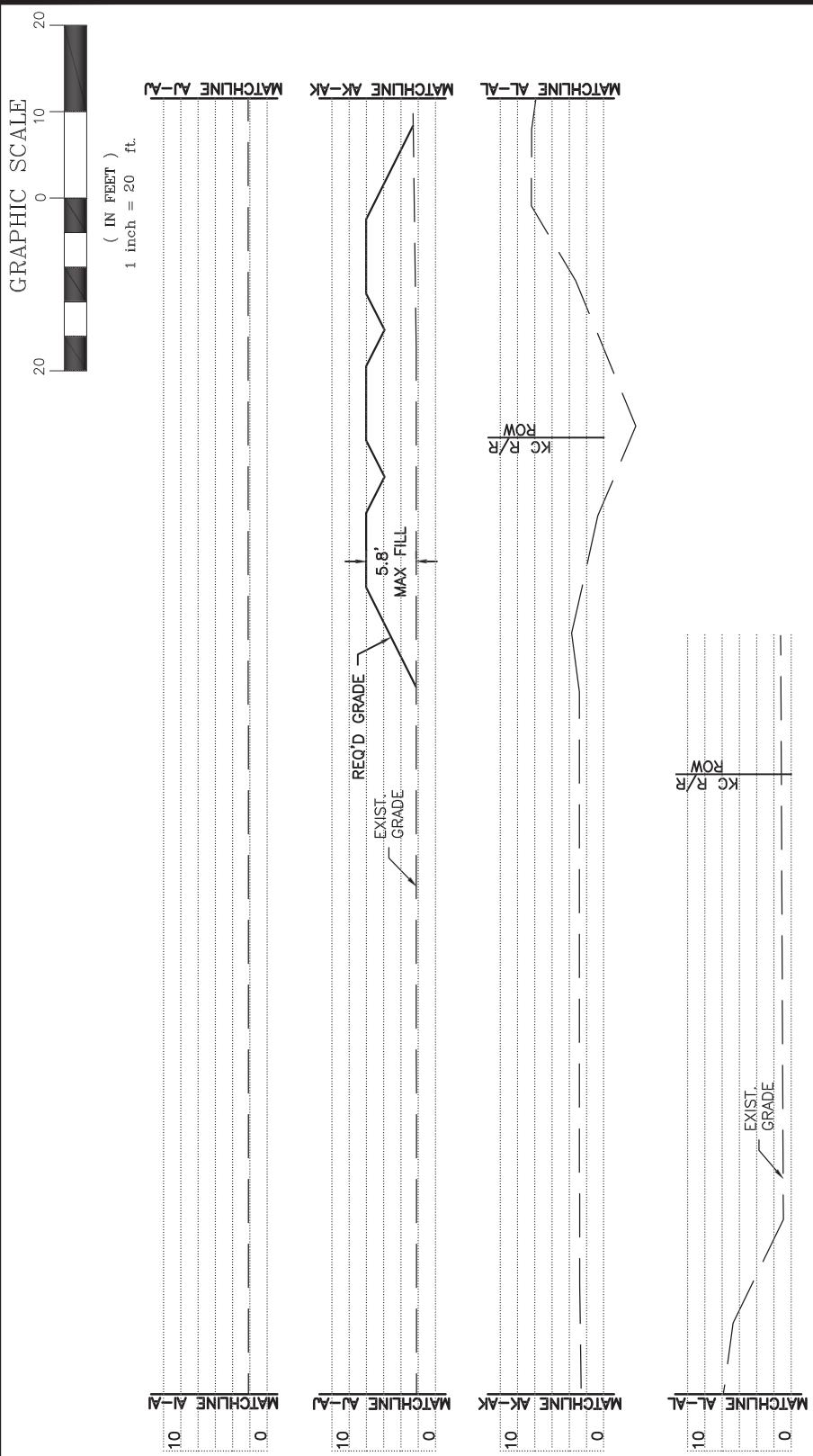


DRWN	GH	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 18 OF REV. B

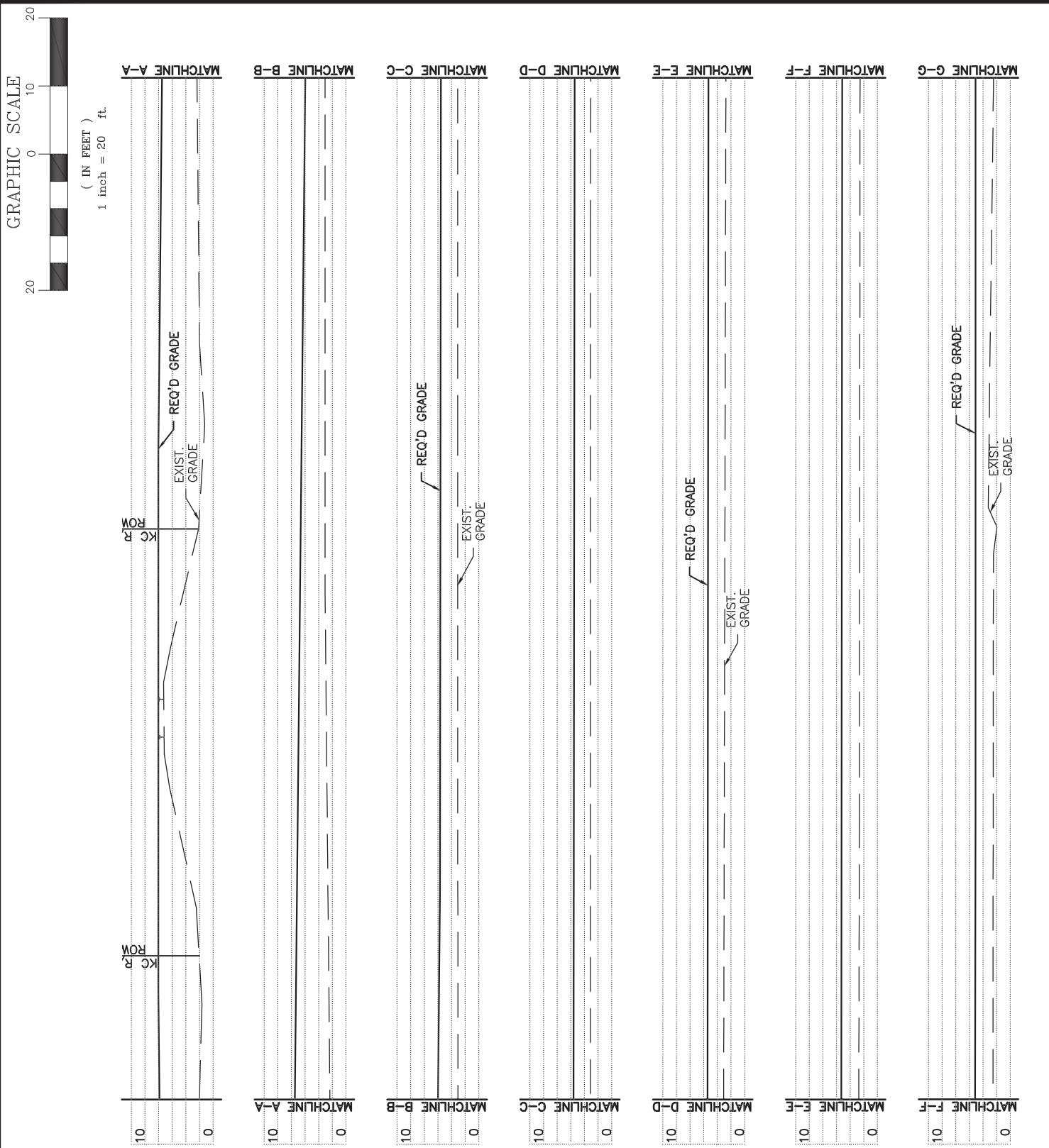


DRWN	GH	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 3 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 19 OF REV. B

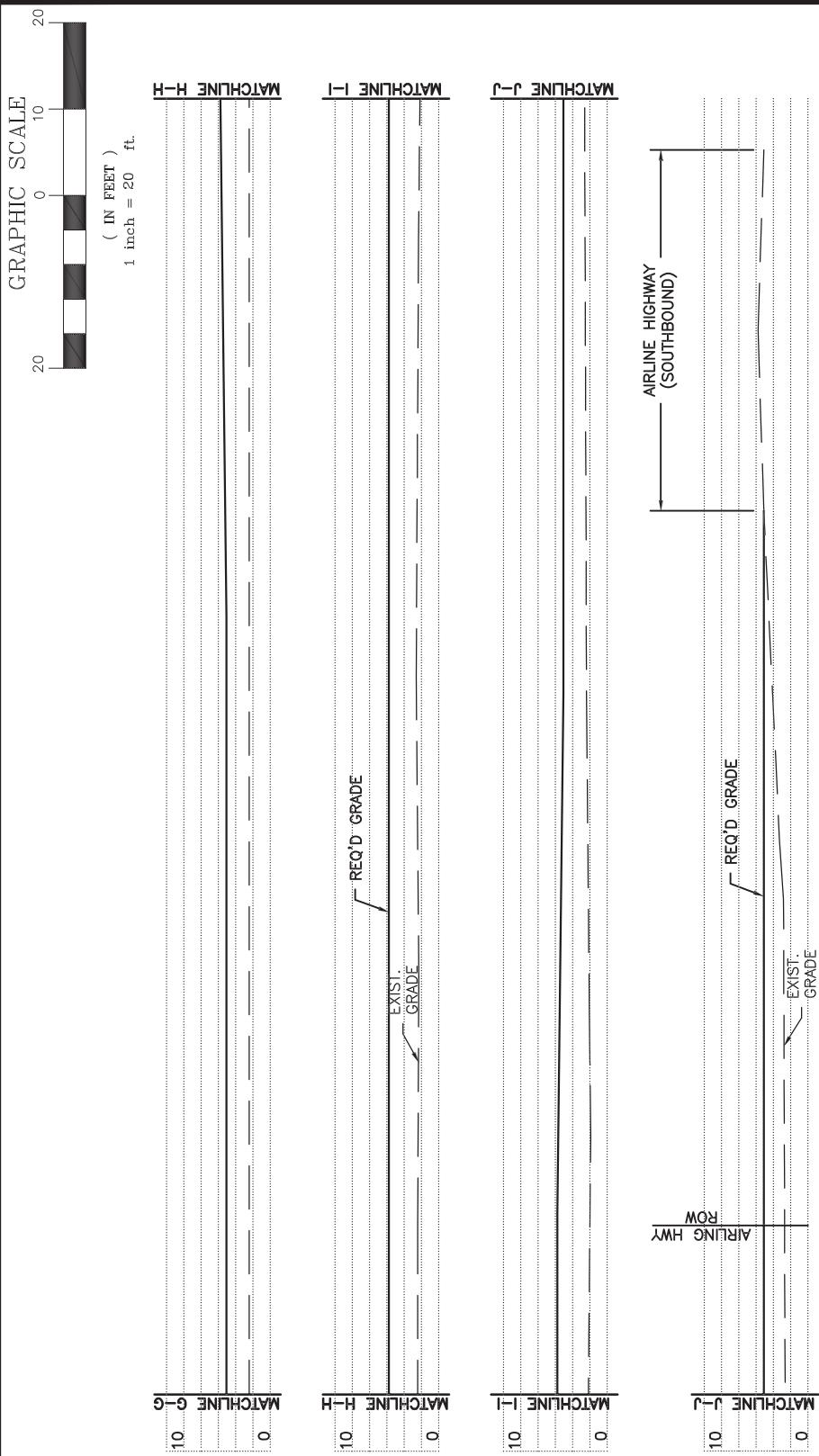


DRWN	GH	EMS PROJECT NO.	70284
DATE		CLIENT AFE	101

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 4 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 20 OF REV. B



DRWN	GH	EMS PROJECT NO.	70284	
DATE		CLIENT AFE	101	

REV.	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	ISSUED FOR APPROVAL	GH	KB	DHD	03/21/16
B	ISSUED FOR APPROVAL	GH	KB	DHD	04/28/16



ZONE 4 CROSS SECTIONS
MT. AIRY TERMINAL
ST. JOHN THE BAPTIST PARISH LOUISIANA
DWG. NO. FIGURE 21 OF REV. B