



STATE VICINITY MAP

NOT TO SCALE

WATER LEVEL CONTROL STRUCTURES

PROPOSED: INSTALLATION OF CULVERTS, SLUICE GATES & FLAP GATES FOR WATER LEVEL CONTROL, MODIFICATIONS TO EXISTING WATER CONTROL STRUCTURE

APPLIED BY: PAT PITRE

AREA: LAROSE, LOUISIANA, LAFOURCHE PARISH



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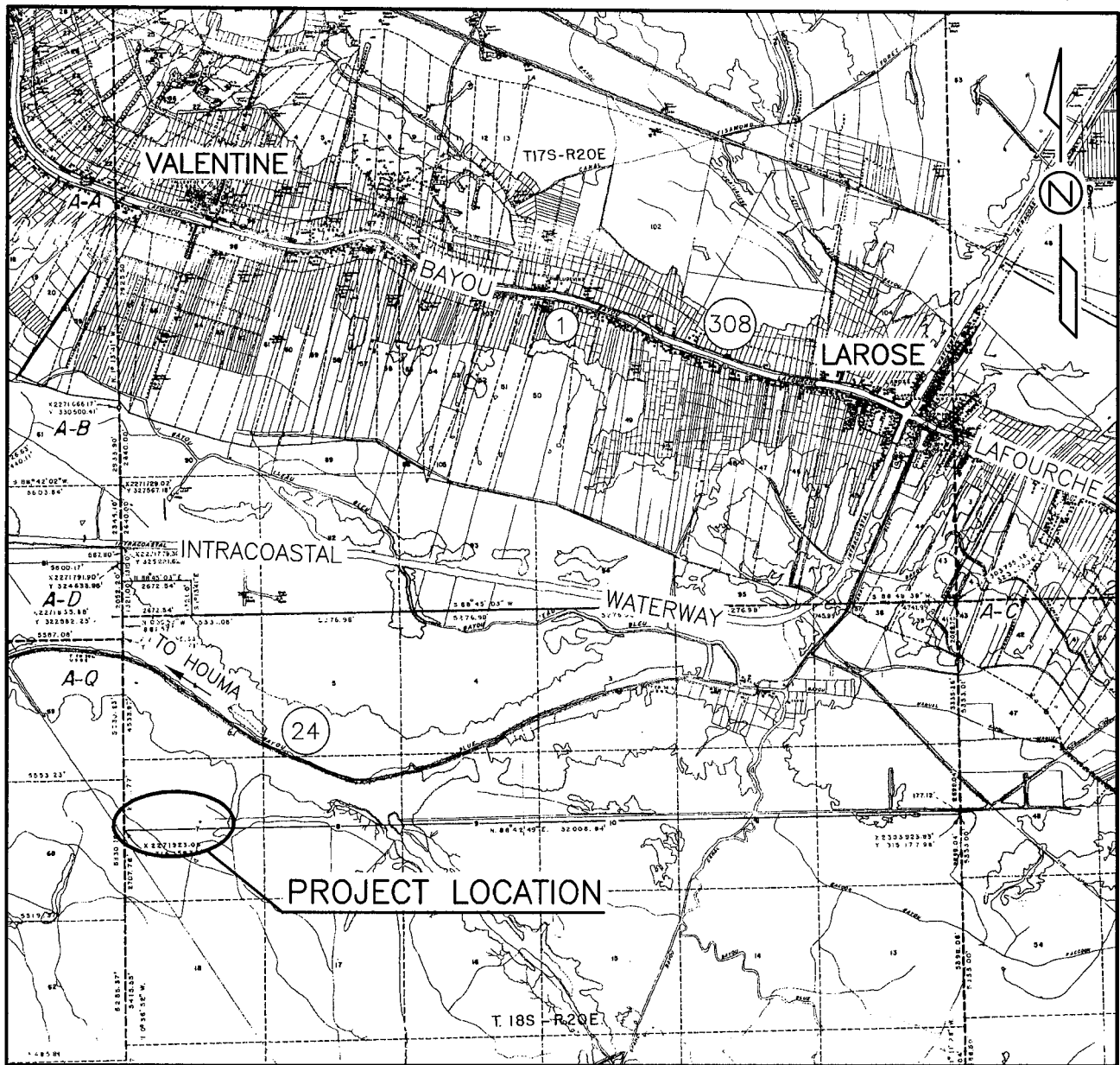
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J.N. 0421-1101

REV2: 11-14-2011

DATE: 07-27-2011

P20111247 SHEET 1 OF 6



LOCAL VICINITY MAP
6000 0 6000
SCALE: 1" = 6,000'

PROPOSED: INSTALLATION OF CULVERTS, SLUICE GATES & FLAP GATES FOR WATER LEVEL CONTROL, MODIFICATIONS TO EXISTING WATER CONTROL STRUCTURE

APPLIED BY: PAT PITRE

AREA: LAROSE, LOUISIANA, LAFOURCHE PARISH

PROJECT IS LOCATED IN SECTION 7, T-18-S, R-20-E

EXISTING STRUCTURE "A" TO BE MODIFIED

LATITUDE = 29° 31' 45.76"

LONGITUDE = 90° 28' 21.16"

CONTROL STRUCTURE "B"

LATITUDE = 29° 31' 46.57"

LONGITUDE = 90° 28' 02.96"

NOTES:

1. VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.



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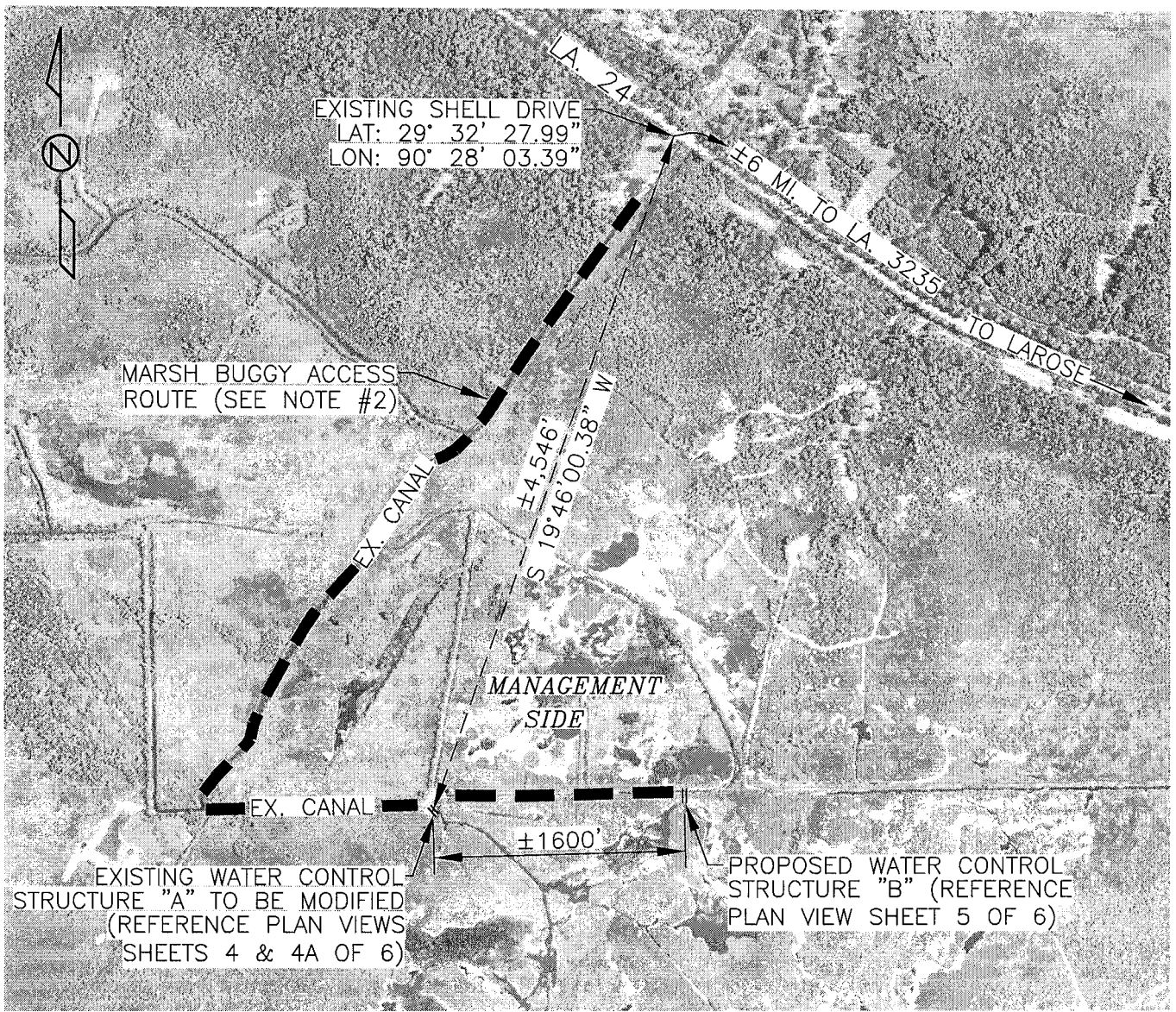
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2010 LAROSE SW DOQQ

OVERALL SITE PLAN

1000 0 1000 2000 3000

SCALE: 1" = 1000'

EXISTING WATER CONTROL STRUCTURE "A" TO BE MODIFIED:

LAT: 29° 31' 45.76" LON: 90° 28' 21.16"
(2) 36" ϕ x 12' STEEL CASINGS, 0.375" WALL THICKNESS
(1) 1/2" THICK STEEL SLIP COLLAR
(2) 36" SLUICE GATES
(2) 36" FLAP GATES

PROPOSED WATER CONTROL STRUCTURE "B":

LAT: 29° 31' 46.57" LON: 90° 28' 02.96"
(2) 36" ϕ x ±36' CORRUGATED METAL CULVERTS
(2) 36" SLUICE GATES
(2) 36" FLAP GATES

NOTES:

1. VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.

2. MARSH BUGGY ACCESS SHALL BE THROUGH EXISTING CANALS AND OPEN WATER ONLY. AT NO TIME MARSH BUGGY SHALL BE ALLOWED TO TRAVEL ACROSS MARSH AREAS TO GAIN ACCESS TO PROJECT SITE NOR DURING THE WATER CONTROL STRUCTURE MODIFICATION AND CONSTRUCTION PROCESSES.



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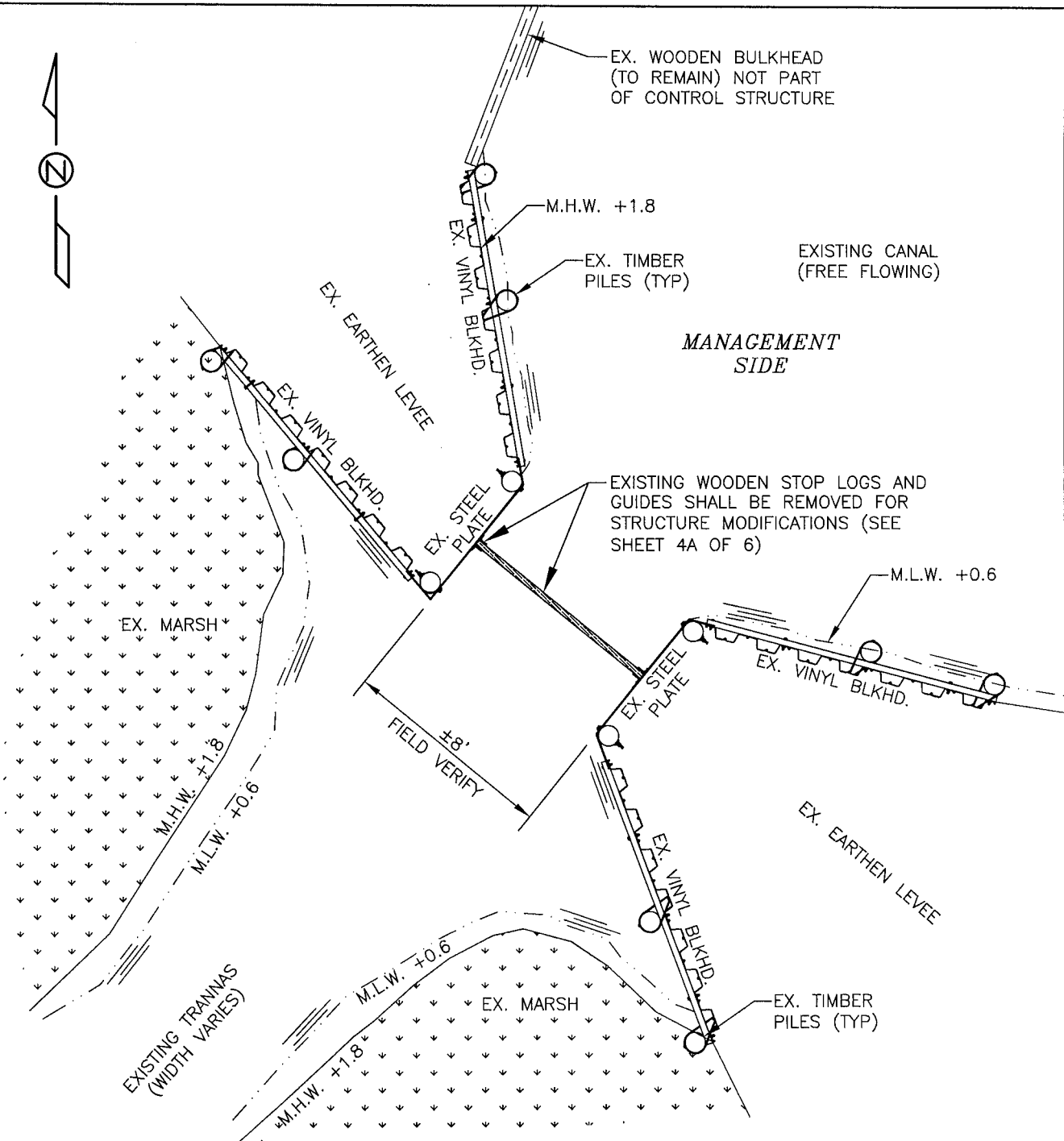
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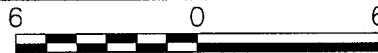
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EX. WATER CONTROL STRUCTURE "A"—PLAN VIEW



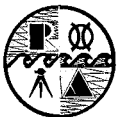
SCALE: 1" = 6'

NOTES:

1. EXISTING WATER CONTROL STRUCTURE (VINYL BULKHEAD, TIMBER PILES, TIE-BACKS, ETC.) SHALL REMAIN UNLESS NOTED OTHERWISE.

DATUM:

1. VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.



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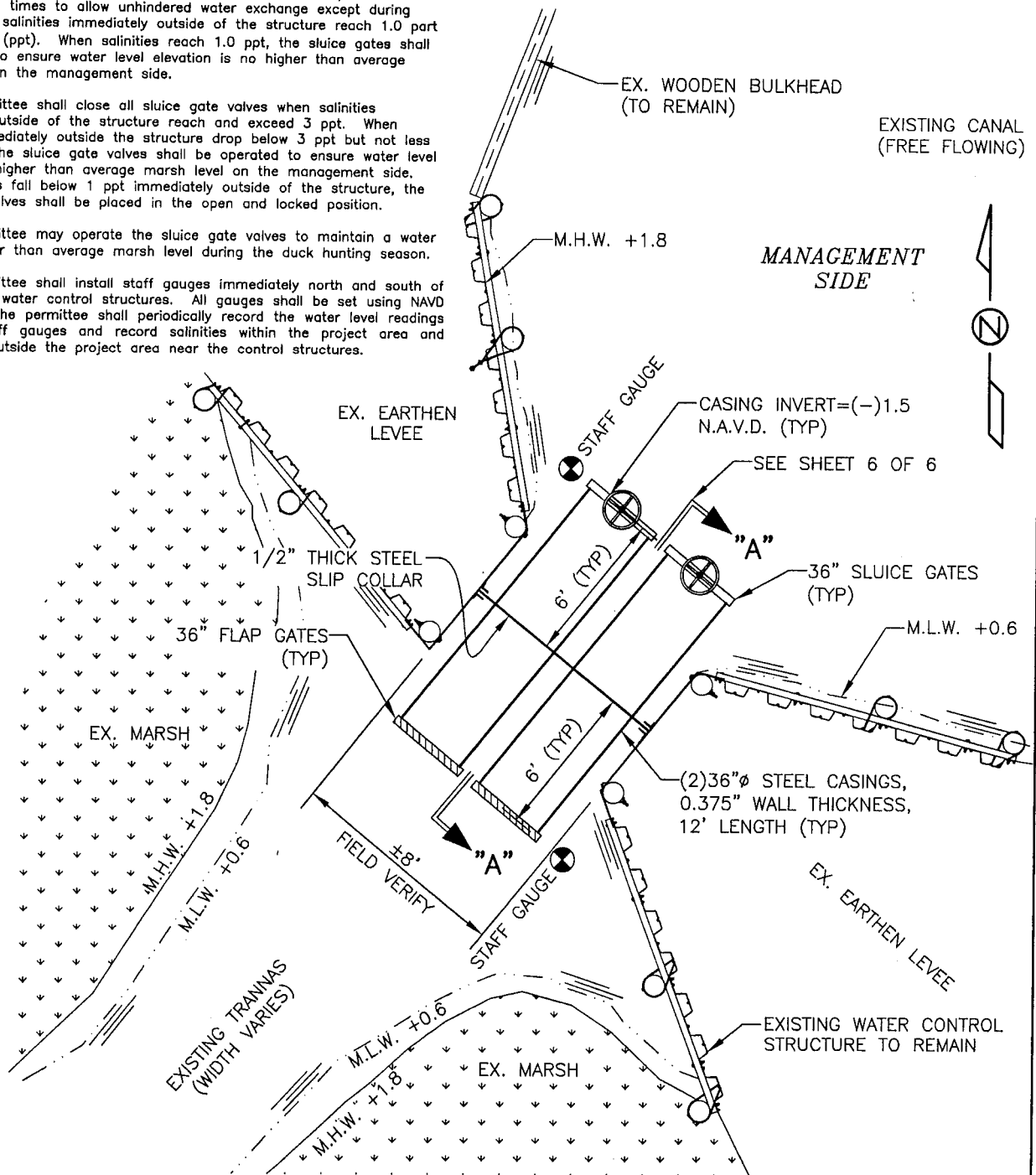
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OPERATION:

1. The permittee shall keep the sluice gate valves in the open and locked position at all times to allow unhindered water exchange except during periods when salinities immediately outside of the structure reach 1.0 part per thousand (ppt). When salinities reach 1.0 ppt, the sluice gates shall be operated to ensure water level elevation is no higher than average marsh level on the management side.
2. The permittee shall close all sluice gate valves when salinities immediately outside of the structure reach and exceed 3 ppt. When salinities immediately outside the structure drop below 3 ppt but not less than 1 ppt, the sluice gate valves shall be operated to ensure water level elevation no higher than average marsh level on the management side. When salinities fall below 1 ppt immediately outside of the structure, the sluice gate valves shall be placed in the open and locked position.
3. The permittee may operate the sluice gate valves to maintain a water level no higher than average marsh level during the duck hunting season.
4. The permittee shall install staff gauges immediately north and south of the proposed water control structures. All gauges shall be set using NAVD 88 datum. The permittee shall periodically record the water level readings from the staff gauges and record salinities within the project area and immediately outside the project area near the control structures.



EX. CONTROL STRUCTURE "A" MODIFICATIONS—PLAN VIEW

DATUM:

VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.

NOTES:

1. EXISTING STOP LOGS SHALL BE REMOVED PRIOR TO PLACEMENT OF SLIP COLLAR.
2. NO EXCAVATION OR FILLING SHALL BE CONDUCTED DURING THE EXISTING STRUCTURE MODIFICATIONS.



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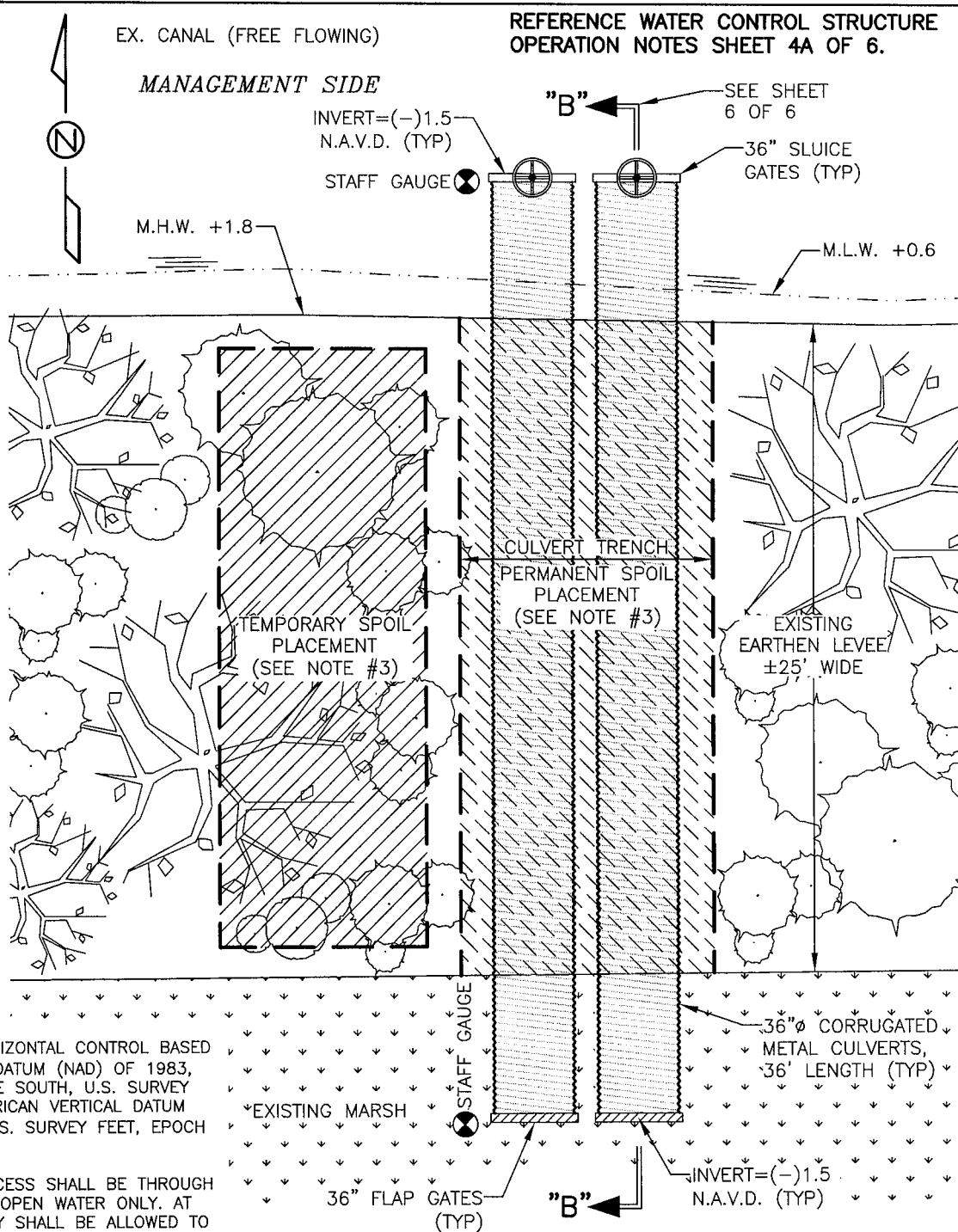
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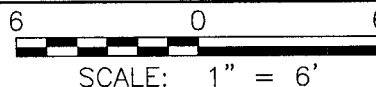
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NOTES:

1. VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.
2. MARSH BUGGY ACCESS SHALL BE THROUGH EXISTING CANALS AND OPEN WATER ONLY. AT NO TIME MARSH BUGGY SHALL BE ALLOWED TO TRAVEL ACROSS MARSH AREAS TO GAIN ACCESS TO PROJECT SITE NOR DURING THE WATER CONTROL STRUCTURE MODIFICATION AND CONSTRUCTION PROCESSES.
3. MATERIAL EXCAVATED FOR CULVERT PLACEMENT SHALL BE UTILIZED TO BACKFILL THE CULVERT TRENCH. NO MATERIAL SHALL BE PLACED OVER EXISTING MARSH DURING THE CONTROL STRUCTURE CONSTRUCTION PROCESS.

CONTROL STRUCTURE "B"—PLAN VIEW



EXCAVATION/FILL MATERIAL: ±60 CU. YD.



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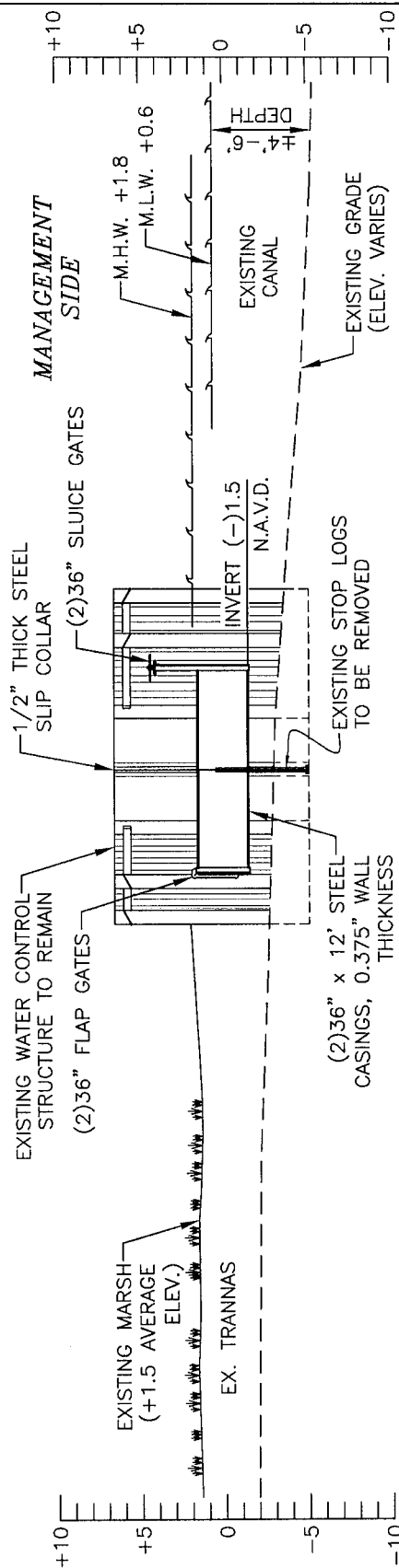
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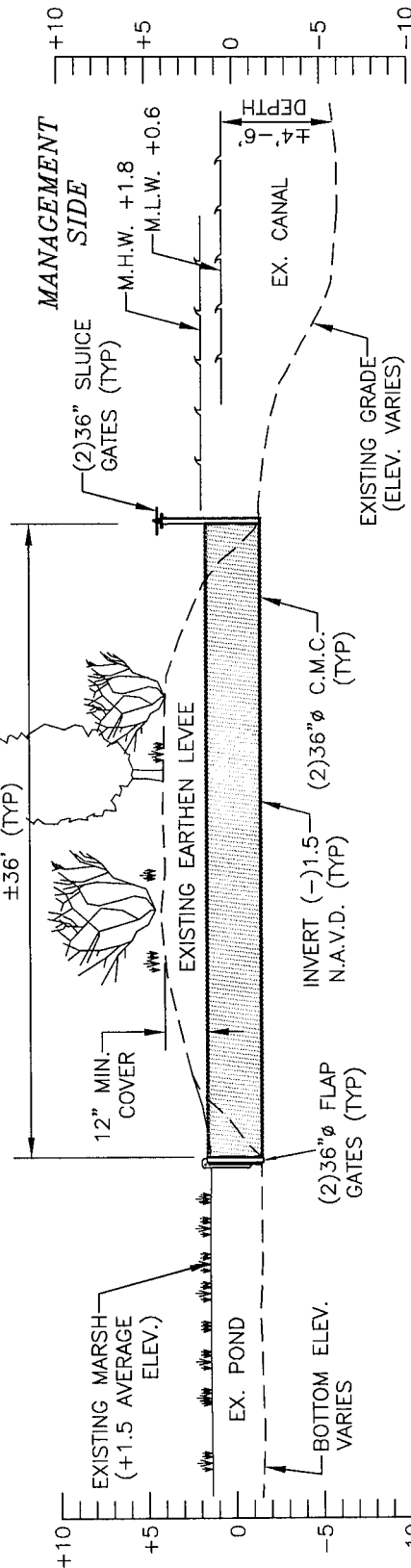
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SECTION "A" - "A" - EX. CONTROL STRUCTURE "A" MODIFICATION

NOTES:

1. VERTICAL AND HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM (NAD) OF 1983, LOUISIANA STATE PLANE SOUTH, U.S. SURVEY FEET AND NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988, U.S. SURVEY FEET, EPOCH 2006.81 DATA.



SECTION "B" - "B" - PROPOSED CONTROL STRUCTURE "B"