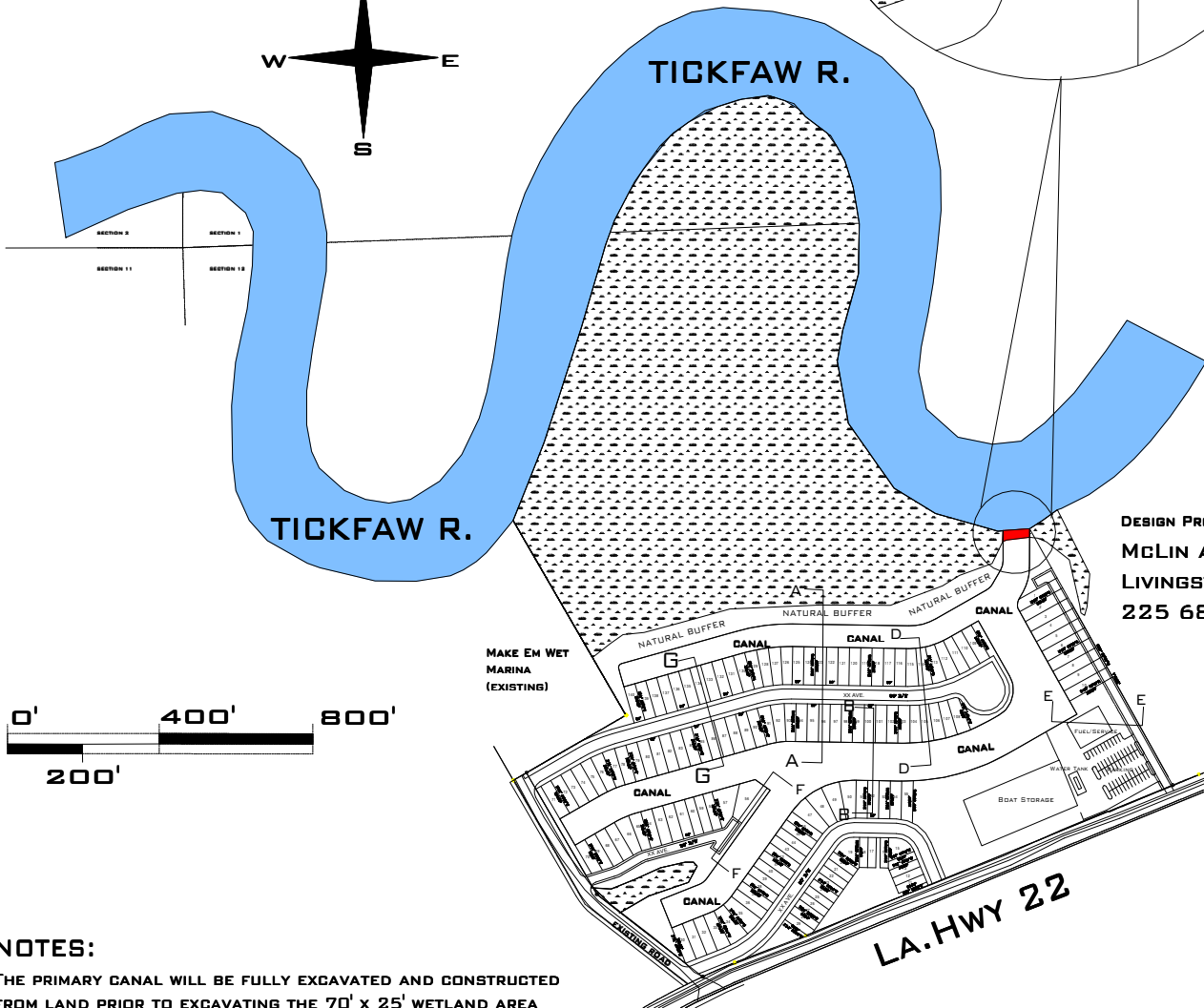
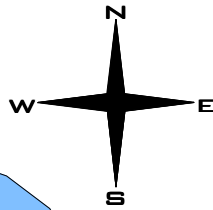
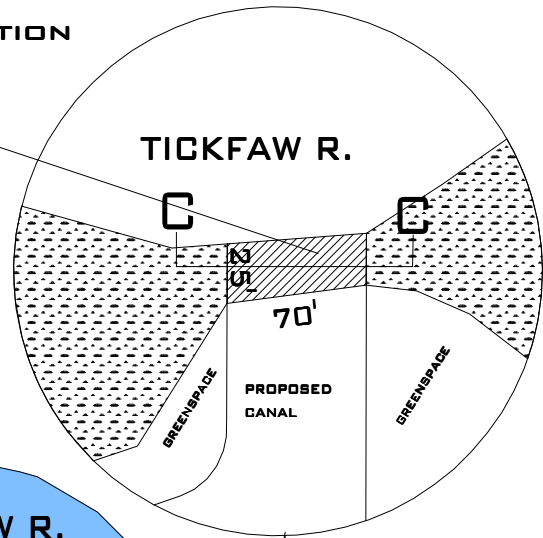


**MICHAEL MAYER  
KILLIAN, LA  
SECTION 404/10/CZM PERMIT APPLICATION  
WETLAND EXCAVATION AND MARINA CONSTRUCTION  
~50 ACRES**

EXCAVATION IN WETLANDS TO  
CONNECT CANAL TO TICKFAW R.

 **WETLANDS PRESERVED: 24.75 ACRES**

 **WETLANDS TO BE EXCAVATED: 0.03 ACRES**



**DESIGN PROVIDED BY:  
MCLIN AND ASSOCIATES  
LIVINGSTON, LA  
225 686 1444**


**NOTES:**

THE PRIMARY CANAL WILL BE FULLY EXCAVATED AND CONSTRUCTED FROM LAND PRIOR TO EXCAVATING THE 70' X 25' WETLAND AREA THAT WILL CONNECT THE CANAL TO THE TICKFAW RIVER. THIS WILL REDUCE SEDIMENT DISCHARGE INTO THE TICKFAW RIVER DURING CONSTRUCTION.

WETLAND IMPACTS WILL BE LIMITED TO A 70' X 25' AREA OF WETLAND EXCAVATION TO CONNECT THE PROPOSED DEVELOPMENT CANAL TO THE TICKFAW RIVER.

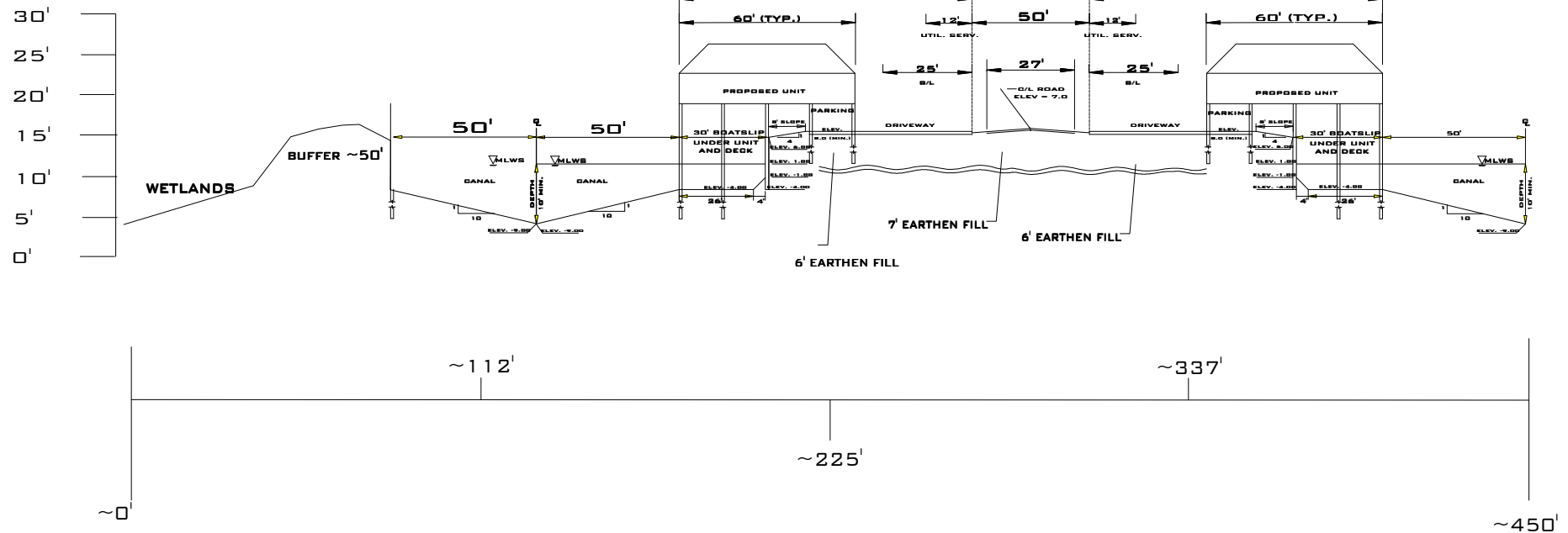
NO LEVEE OR BULKHEAD WILL BE CONSTRUCTED ALONG THE CANAL WHERE IT ABUTS WETLANDS



 <b>MICHAEL MAYER KILLIAN, LA SECTION 12, T8S, R6E LAT: 30 22 09.27 N LON: 90 33 37.51 W</b>	
FILE: 114080	DATE: 02 01 12
FIGURE: PLAN VIEW	REV : 1
DRAWING: PVPERMIT R1	APPROVED:

MICHAEL MAYER  
 KILLIAN, LA  
 SECTION 404/10/CZM PERMIT APPLICATION  
 WETLAND EXCAVATION AND MARINA CONSTRUCTION  
 ~50 ACRES

NGVD



BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
 EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
 THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS

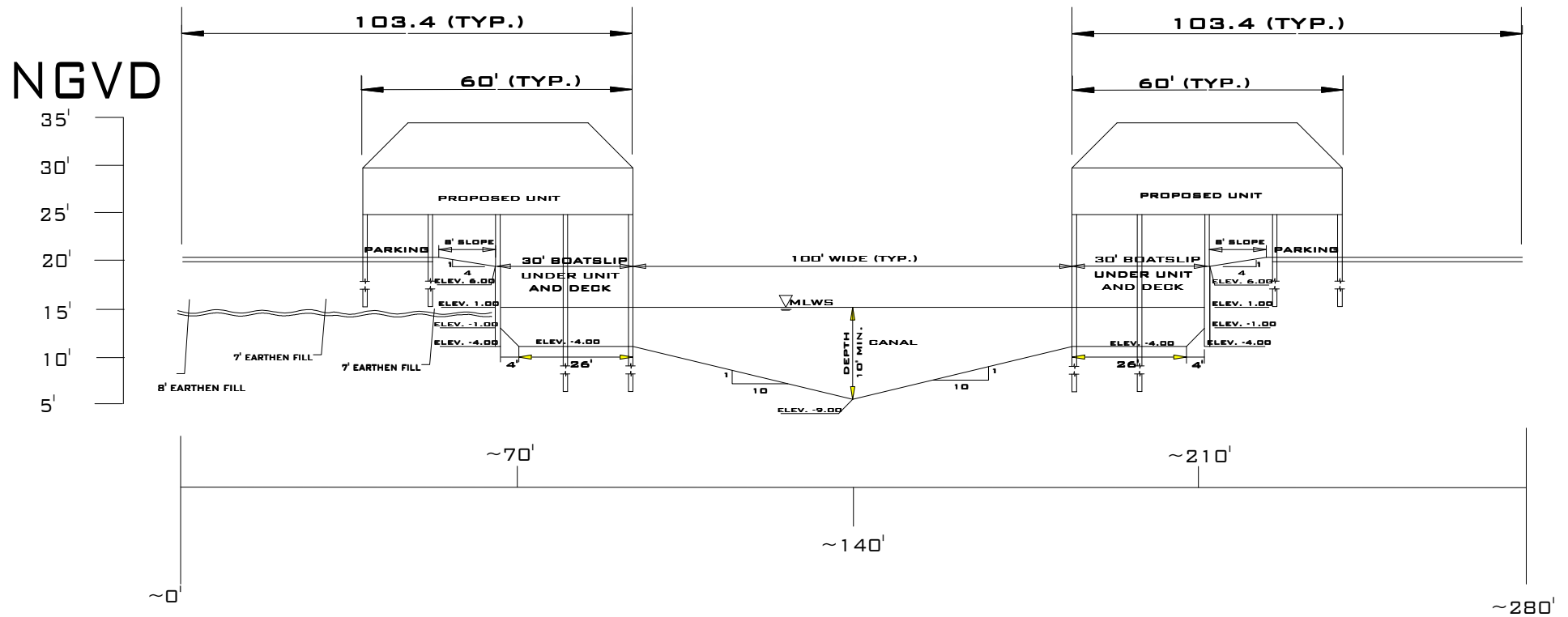
PROPOSED TYPICAL SECTION

SECTION "A-A"

N.T.S.



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WETLAND EXCAVATION AND MARINA CONSTRUCTION  
~50 ACRES**



**PROPOSED TYPICAL SECTION**

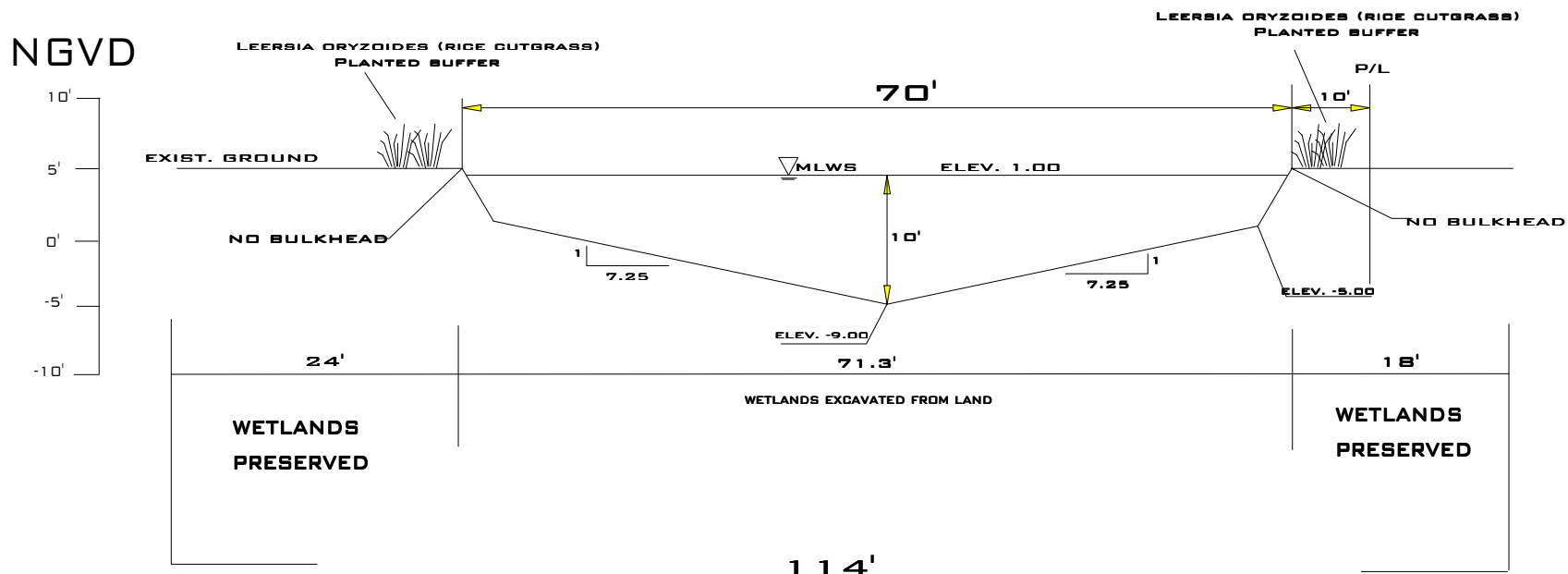
**SECTION "B-B"**

**N.T.S.**

**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS**



**MICHAEL MAYER  
KILLIAN, LA  
SECTION 404/10/CZM PERMIT APPLICATION  
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**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS**

**PROPOSED SECTION "C-C"**

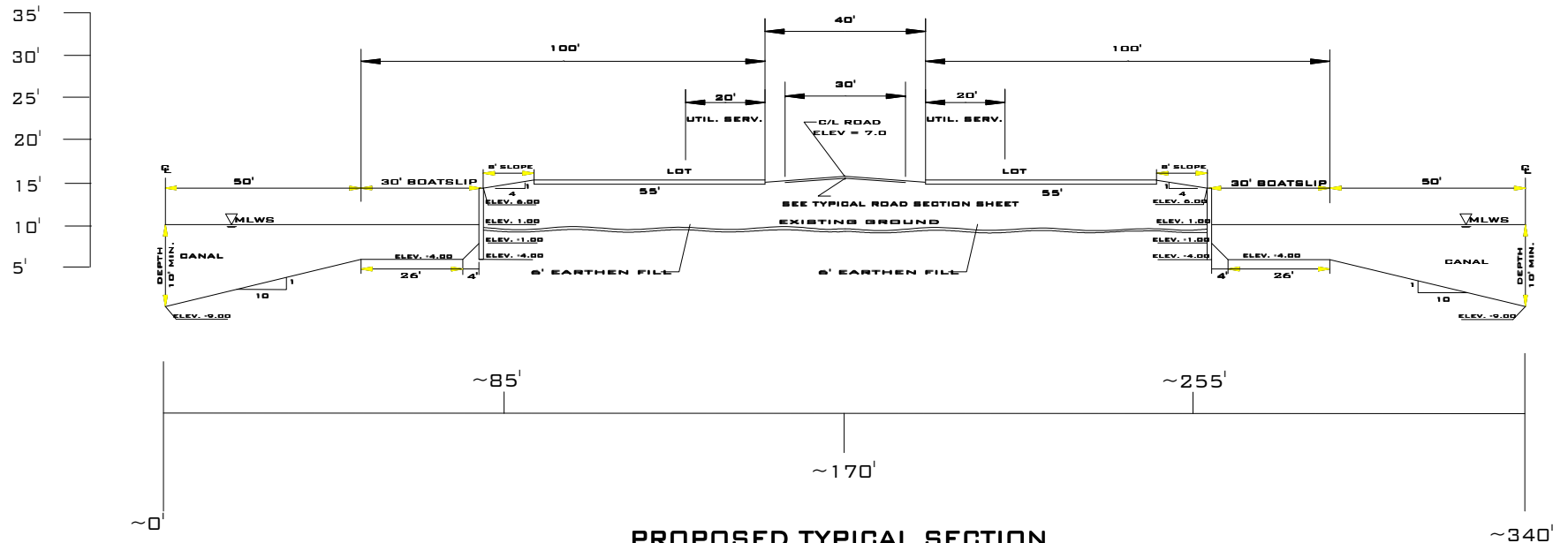
**N.T.S.**



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WETLAND EXCAVATION AND MARINA CONSTRUCTION  
~50 ACRES**

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**PROPOSED TYPICAL SECTION**

**PROPOSED TYPICAL SECTION**

**SECTION "D-D"**

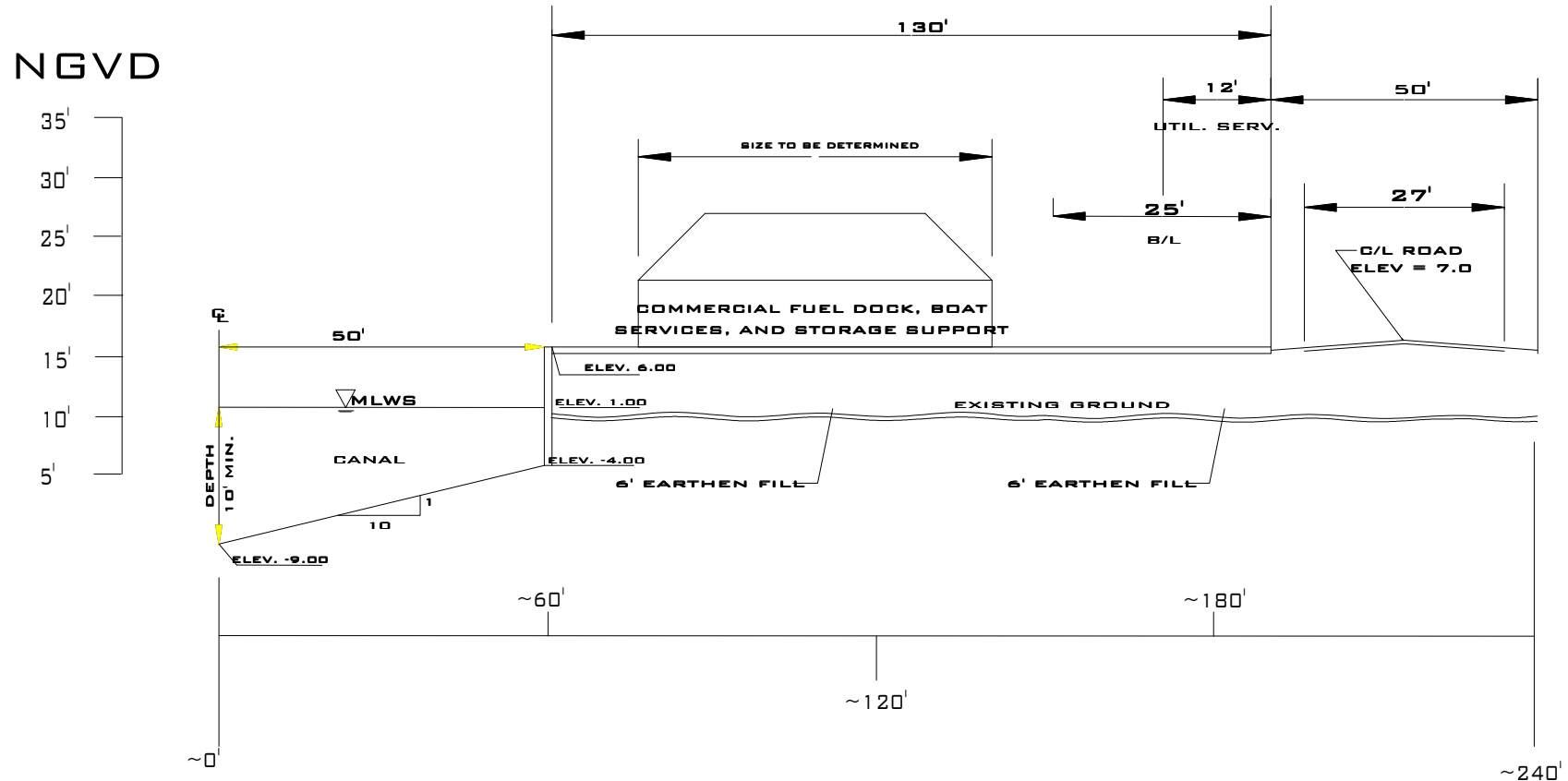
N.T.S.

**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS**



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**KILLIAN, LA**  
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**WETLAND EXCAVATION AND MARINA CONSTRUCTION**  
**~ 50 ACRES**



**PROPOSED TYPICAL SECTION**  
**SECTION "E-E"**

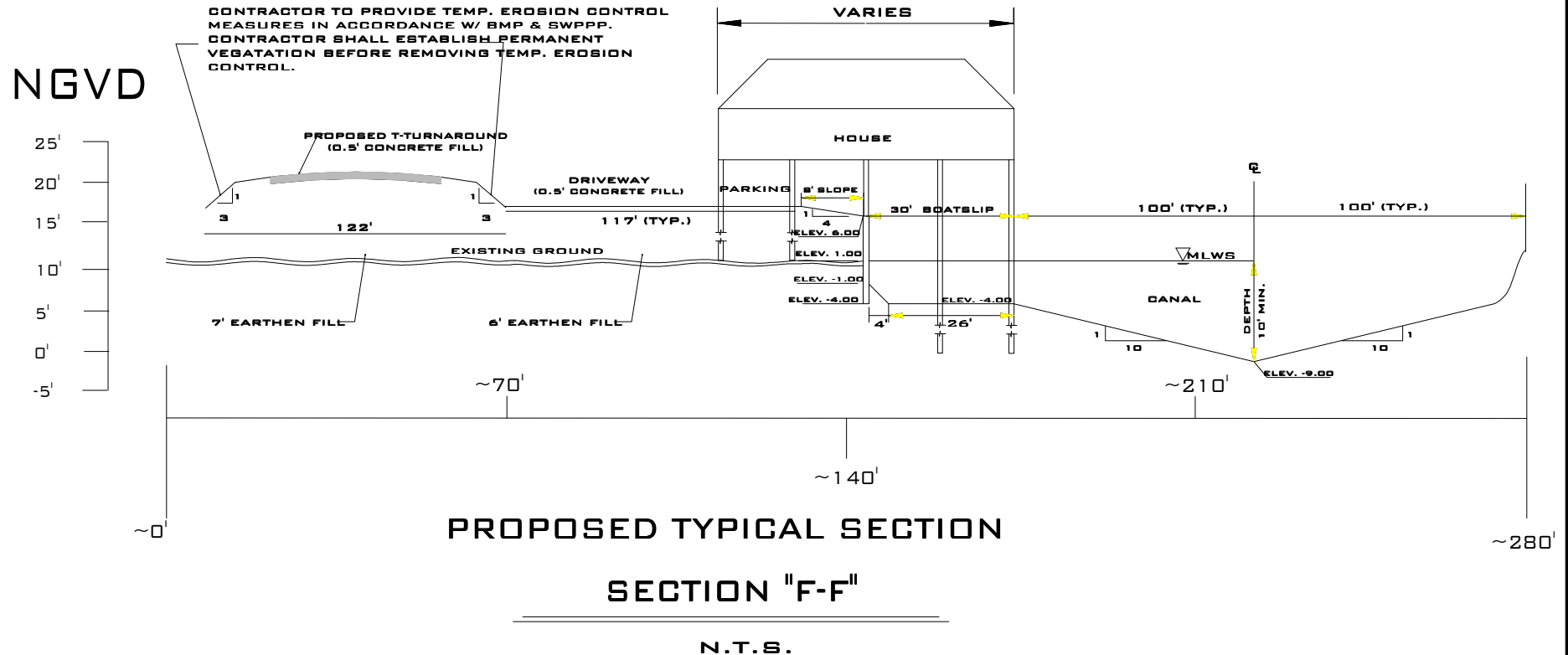
**N.T.S.**

**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS**



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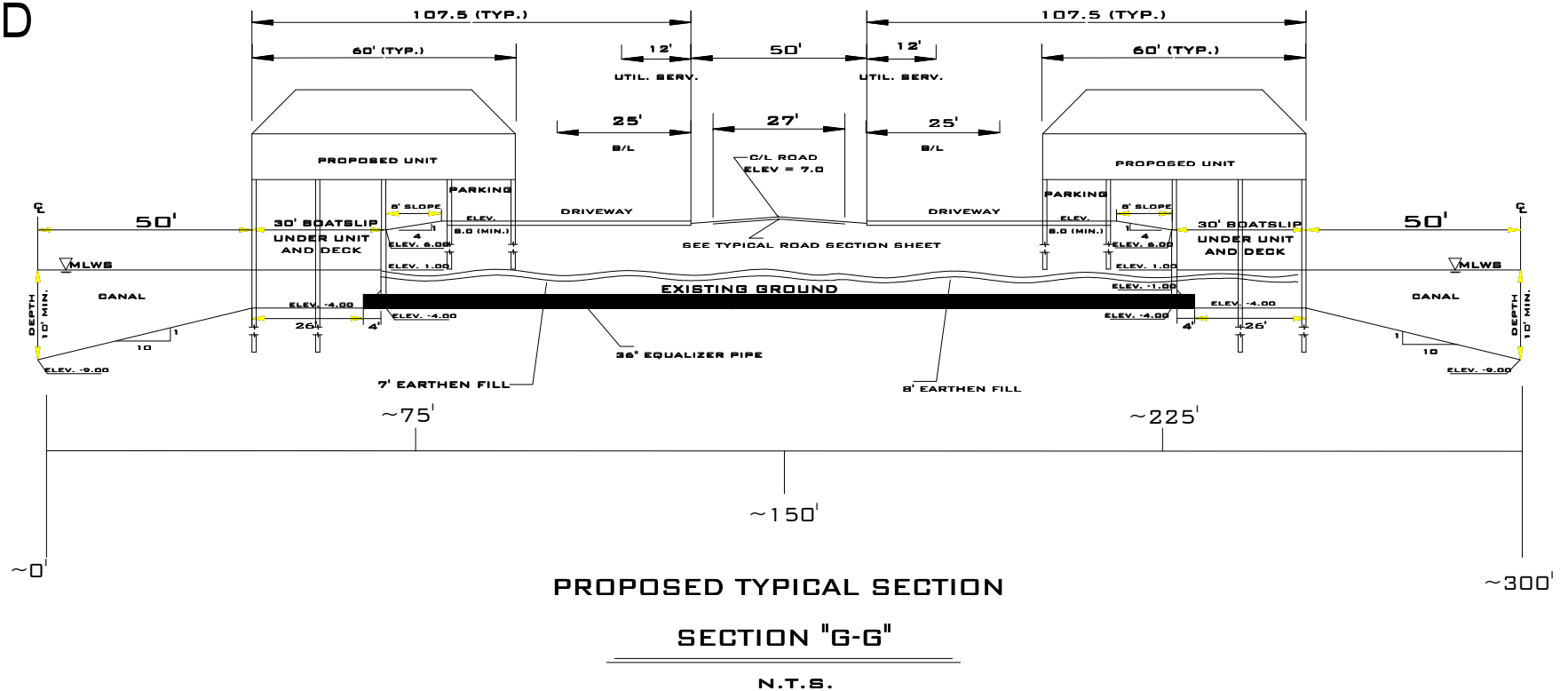


**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
THE CANAL BANK THAT IS ADJACENT TO THE WETLANDS**



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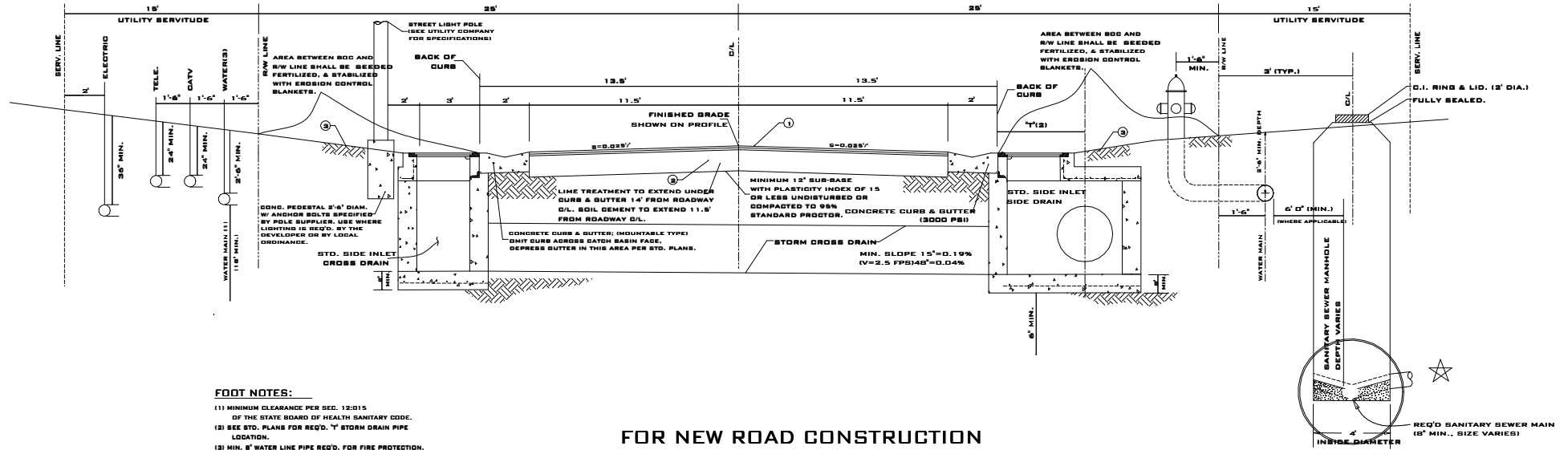
**BULKHEADS WILL BE INSTALLED ALONG THE CANAL BANKS  
EXCEPT FOR THE CANAL THROUGH THE WETLANDS AND ALONG  
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~50 ACRES**



**FOR NEW ROAD CONSTRUCTION**

## TYPICAL ROADWAY SECTION

**N.T.S.**

**LEGEND: FOR ASPHALT PAVING**

- ① 2" THICK (MIN.) ASPHALT PAVEMENT (2-1 1/4" LIFTS). (TYPE 3 WEARING COURSE MARSHALL MIX DESIGN PER LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES 2006 EDITION).
- ② 10" MIN. BASE TO BE TREATED WITH 10% (BY VOLUME) TYPE C LIME TREATMENT AND TREATED WITH 10% (BY VOLUME) TYPE 1 PORTLAND CEMENT TREATMENT BOTH PER LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES 2006 EDITION OR AS REQ'D FROM TESTING LAB RESULTS.
- ③ EXISTING GROUND.

**BASE PREPARATION AND PAVING NOTES:**

1. ALL WORK AND MATERIAL TO BE IN COMPLIANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION, UNLESS OTHERWISE NOTED.
2. EXISTING TOP SOIL IN PROPOSED ROAD BED TO BE EXCAVATED AND REMOVED AS NECESSARY FOR FINAL GRADE.
3. GRUB REMAINING BASE MATERIAL TO A DEPTH OF 12" BEFORE TREATING WITH LIME/CEMENT.
4. ROADWAY BASE AND SUB-BASE SHALL HAVE PLASTICITY INDEX OF 15 OR LESS UNDISTURBED AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

