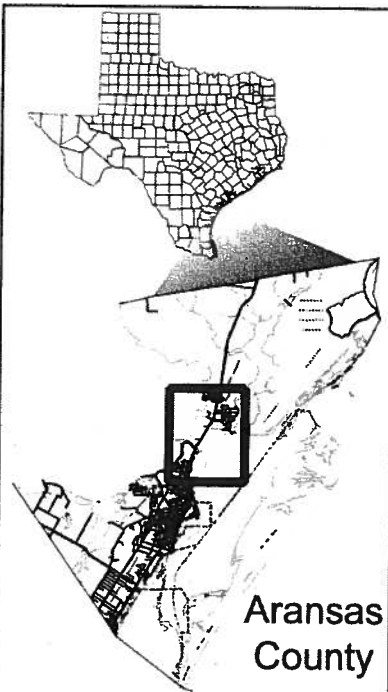
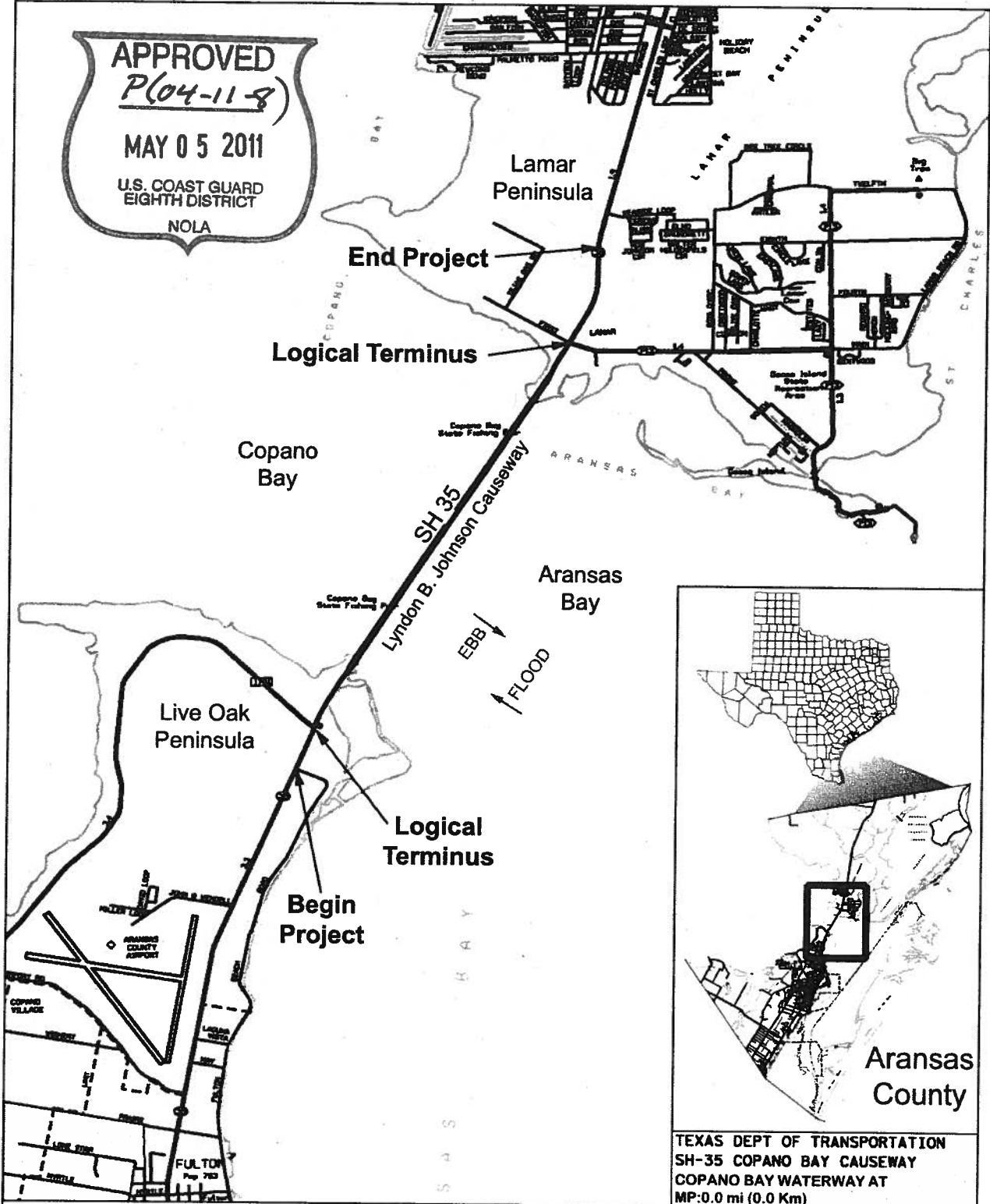


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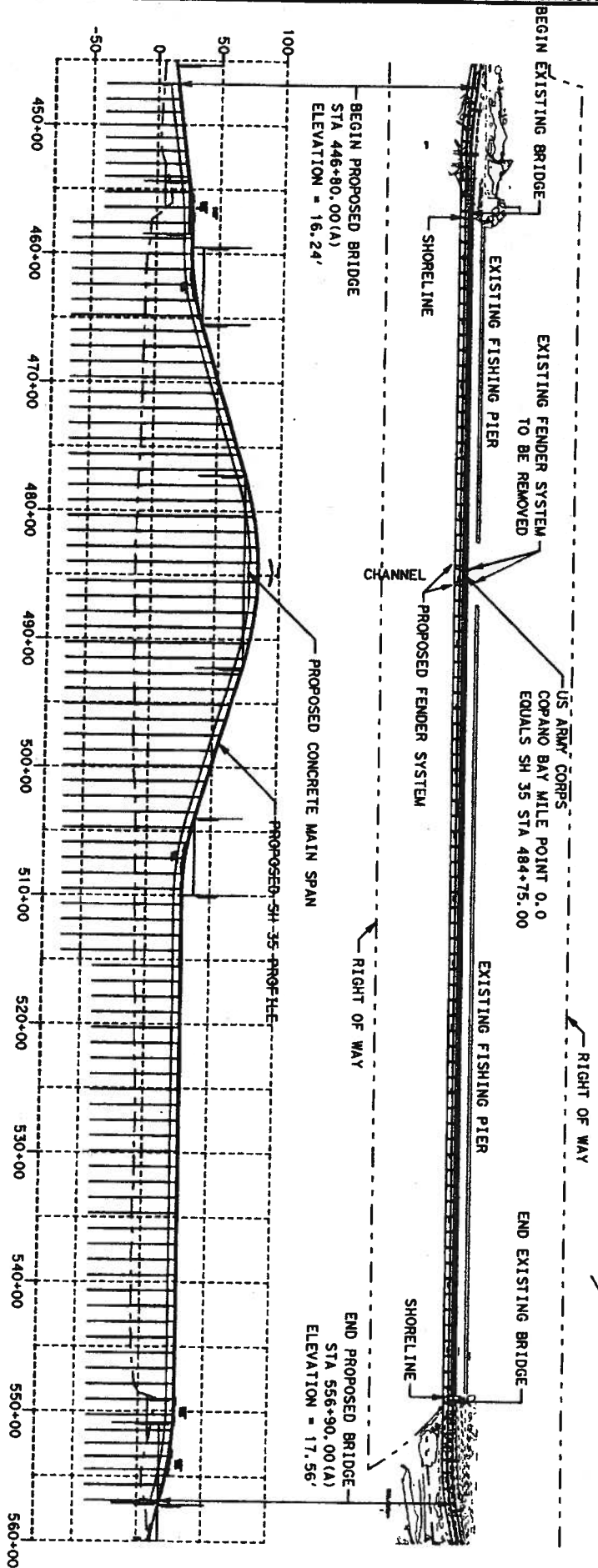


<ftp://ftp2.tnris.org/Transportation/TxDOT/UrbanFiles/dgn/>
 Accessed 10/09



TEXAS DEPT OF TRANSPORTATION
 SH-35 COPANO BAY CAUSEWAY
 COPANO BAY WATERWAY AT
 MP:0.0 mi (0.0 Km)
 ROCKPORT, ARANSAS COUNTY
 TEXAS
 DECEMBER 2010

PROJECT LOCATION



SCALE:



Horizontal Scale: $1" = 1200'$

Vertical Scale: $1" = 120'$

NOTES

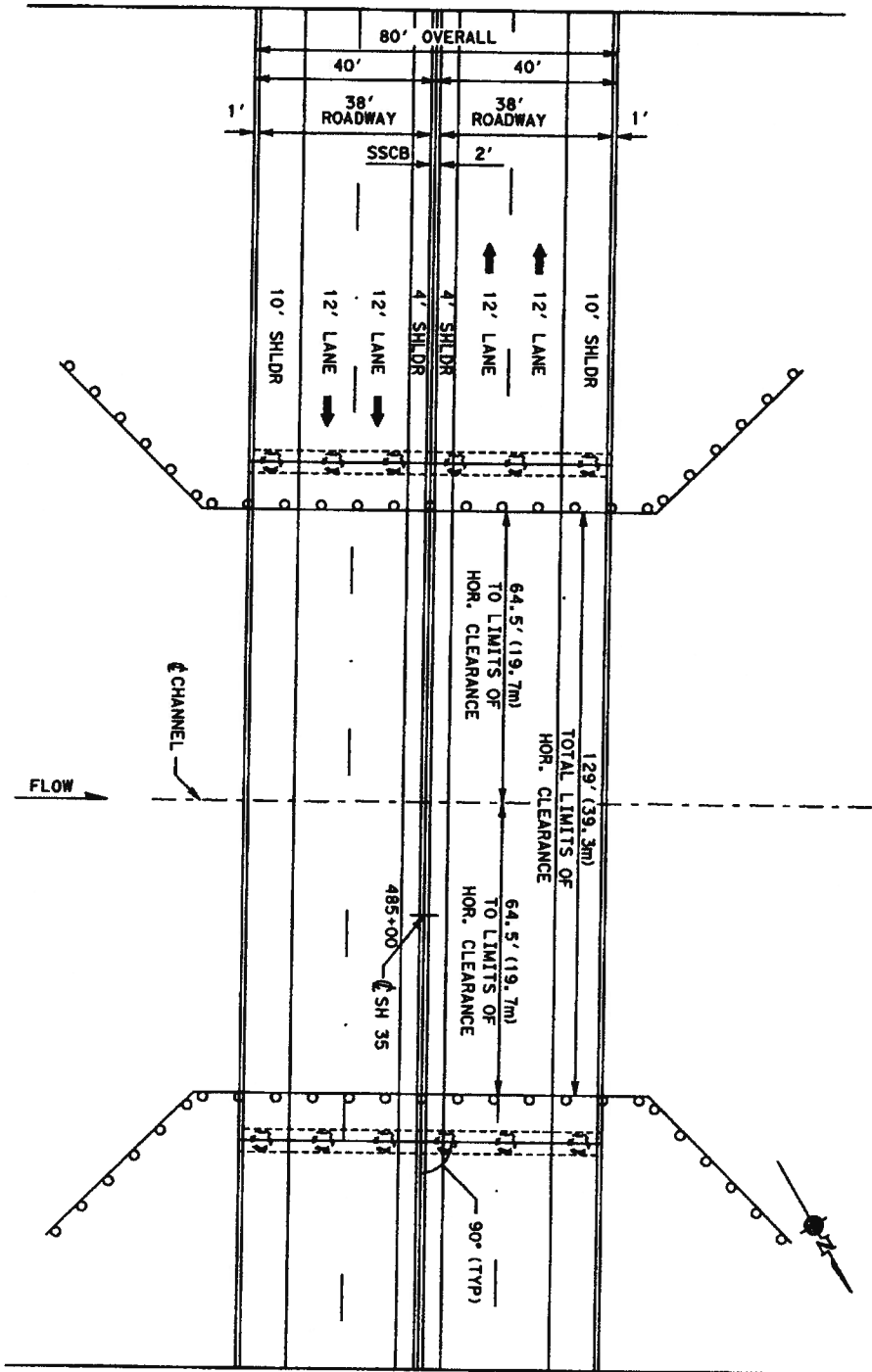
1. ALL ELEVATIONS ARE BASED ON 1988 NAVD DATUM
2. LENGTH OF PROPOSED BRIDGE = 11010.0'
3. MHW ELEVATION = 1.00'
4. MLW ELEVATION = 0.17'
5. 100 YEAR FLOOD ELEV = 7.5'

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TEXAS DEPT OF TRANSPORTATION
 SH-35 COPANO BAY CAUSEWAY
 COPANO BAY WATERWAY AT
 MP+0.0 MI (0.0 KM)
 ROCKPORT, ARKANSAS COUNTY
 TEXAS
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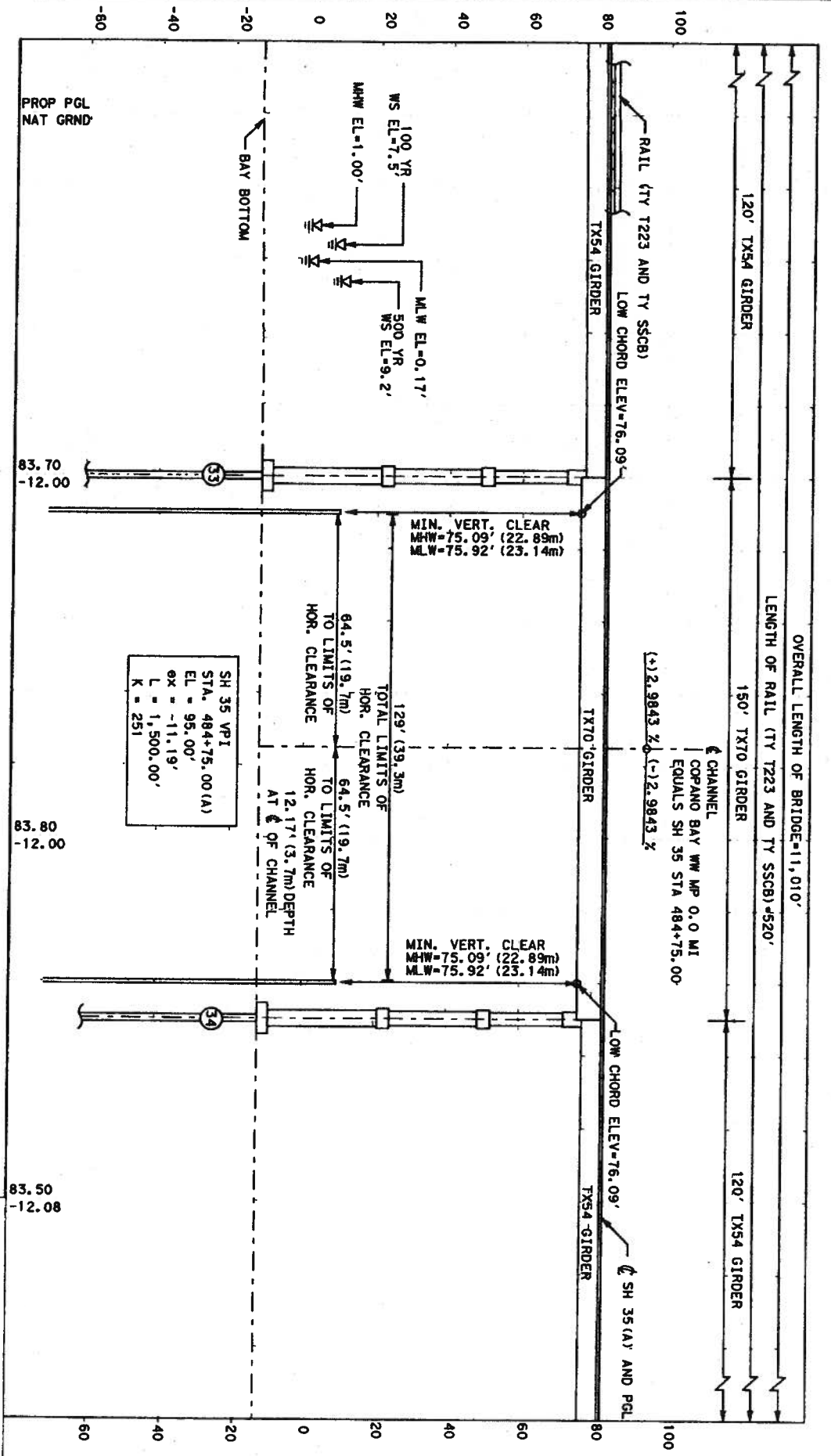
**PROPOSED BRIDGE
 PLAN AND ELEVATION**

SCALE:
 1" = 40'

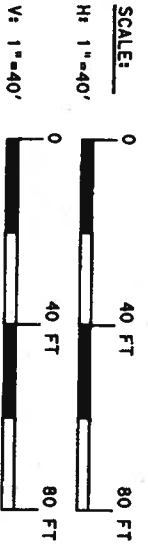


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**PROPOSED BRIDGE
 MAINSPAN PLAN**



SH 35 VPI
STA. 484+75.00 (A)
EL = 95.00'
ex = -11.19'
L = 1,500.00'
K = 251



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LEGEND
 BAY BOTTOM AT PROP ϕ - - - -

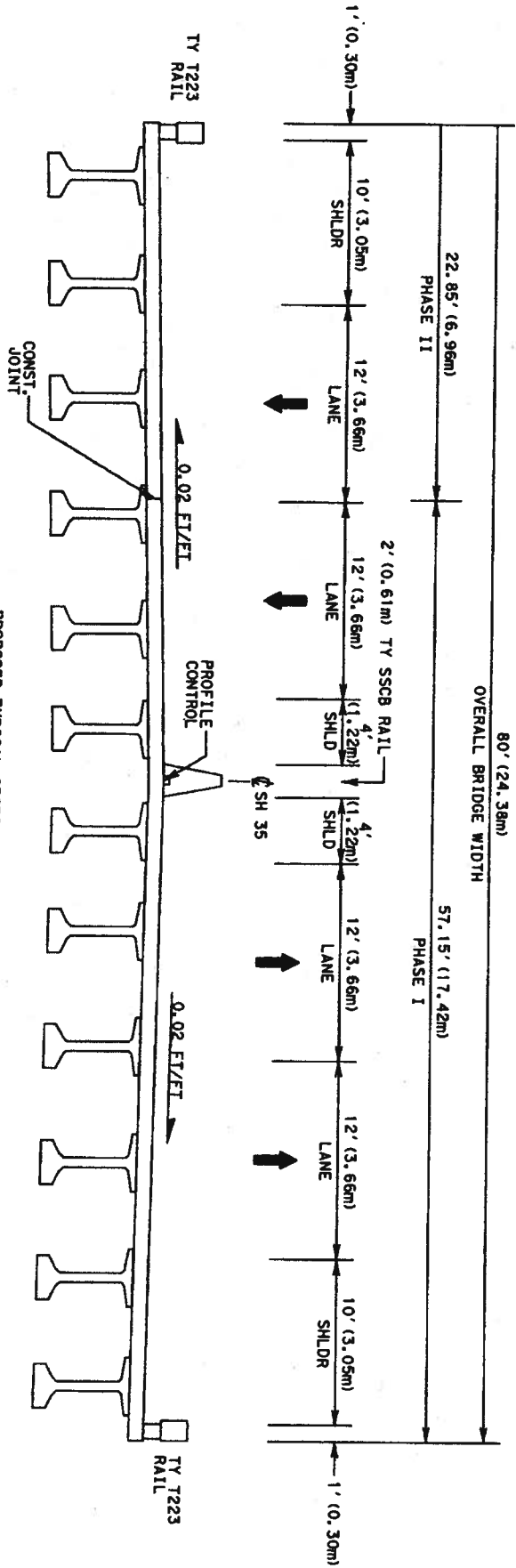
NOTES

MEAN HIGH WATER (MHW) ELEV. = 75.09'
 MEAN LOW WATER (MLW) ELEV. = 75.92'
 100 YR FLOOD ELEV. = 77.50'

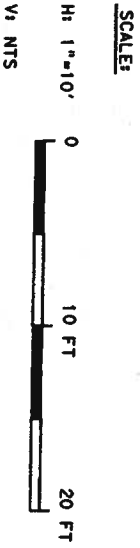
ALL ELEVATIONS BASED ON 1988 NAVD DATUM
 ALL DIMENSIONS SYMMETRICAL ABOUT CENTERLINE

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**MAINSpan
 CLEARANCE DIAGRAM**



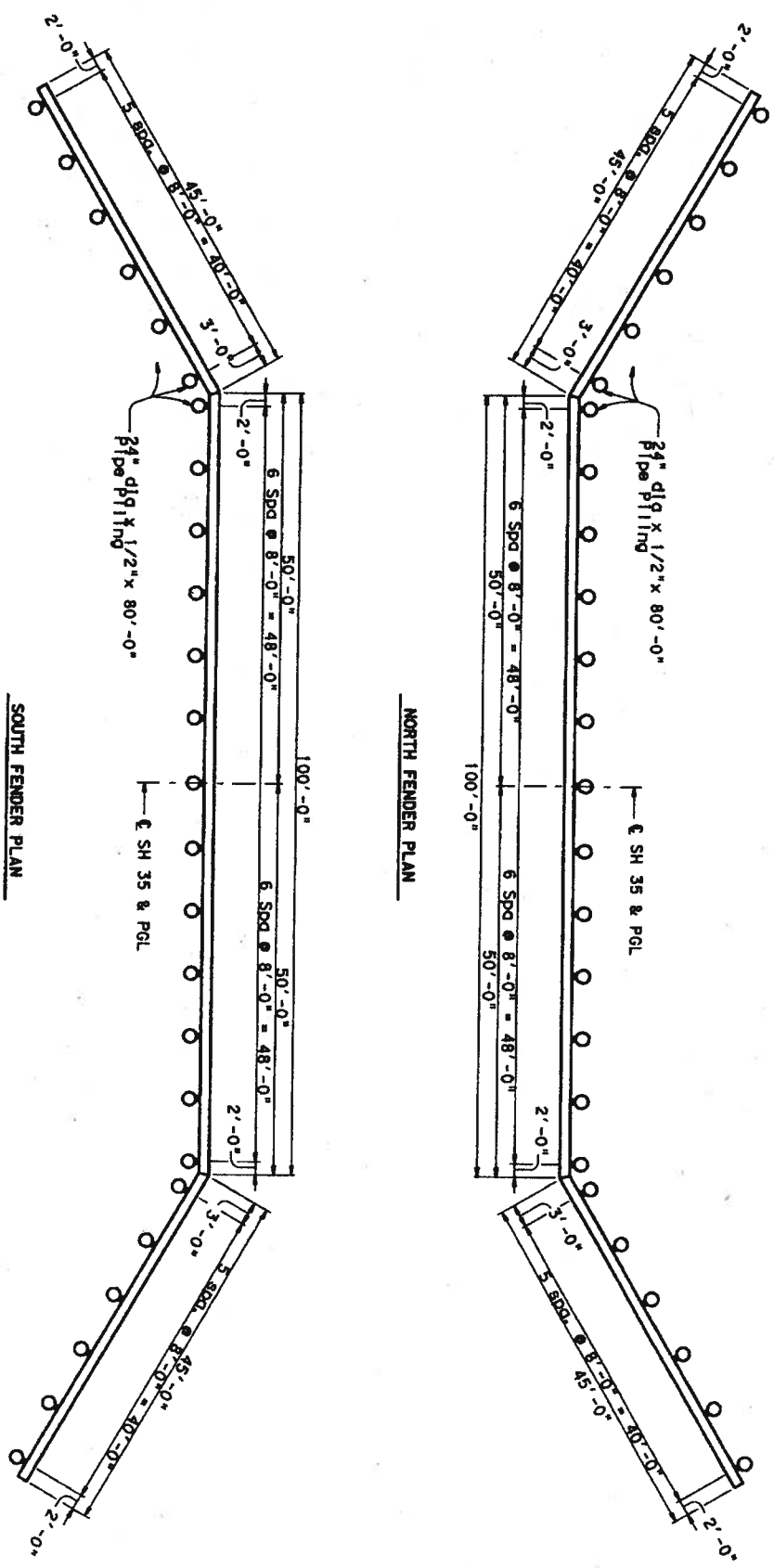
PROPOSED TYPICAL SECTION (MAINSPAN)
 STA 484+00.00(A) TO STA 485+50.00(A)
 (1 SPAN AT 150' CENTERED OVER WATERWAY)



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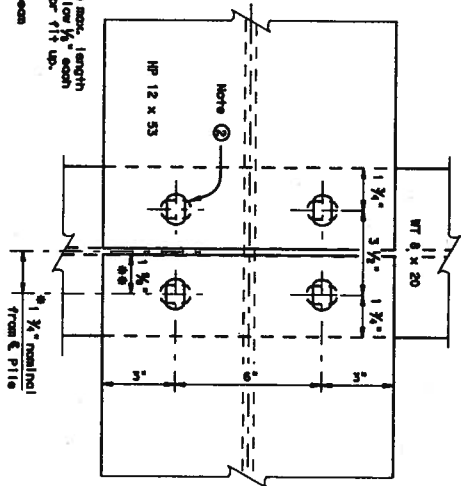
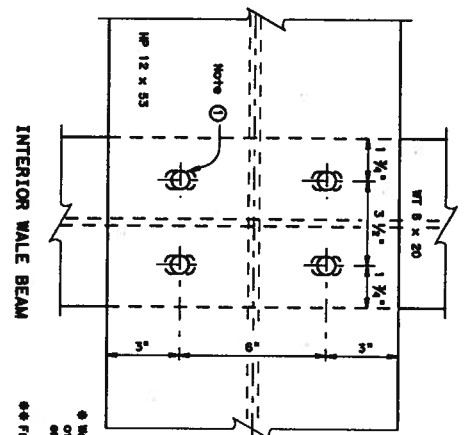
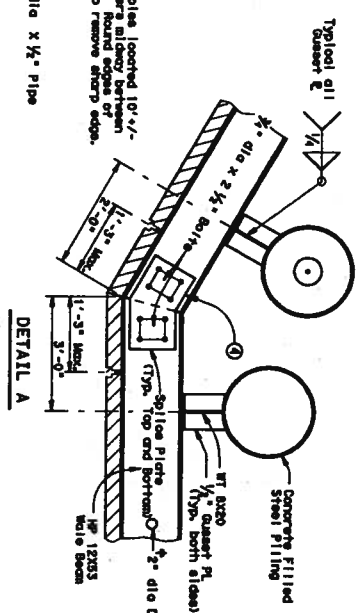
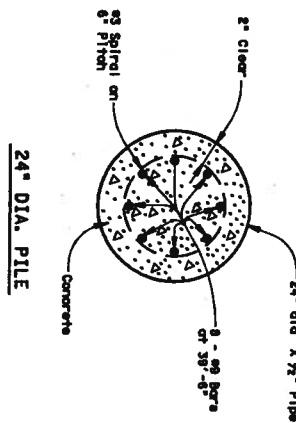
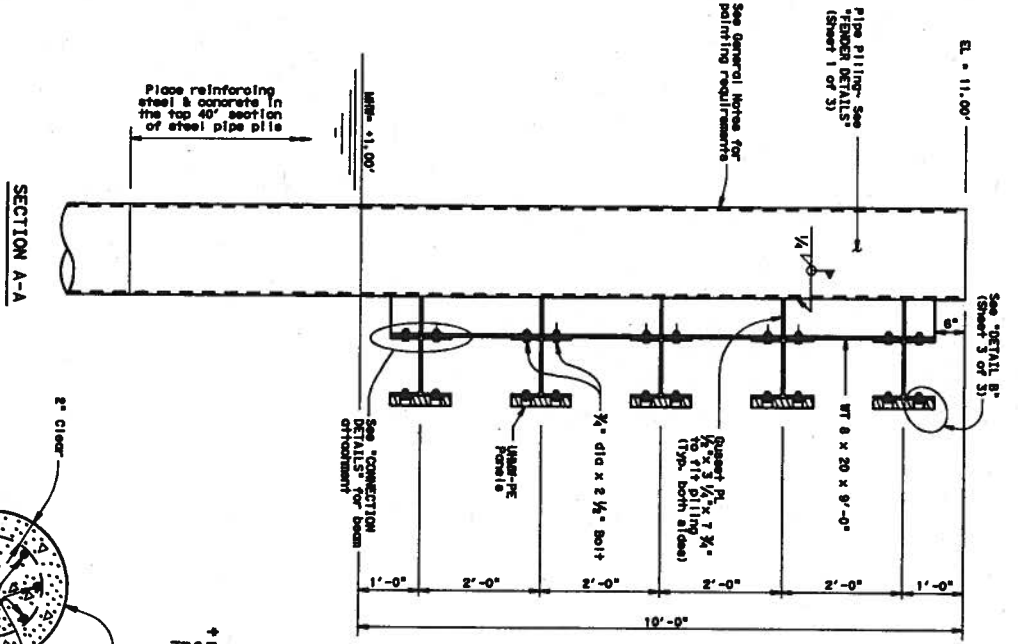
PROPOSED TYPICAL
 SECTION



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FENDER DETAILS



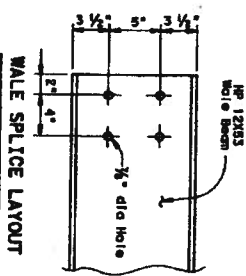
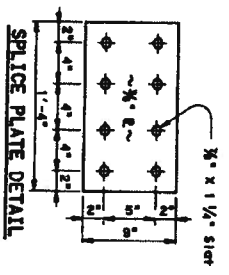
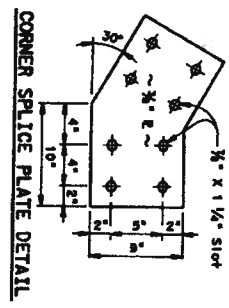
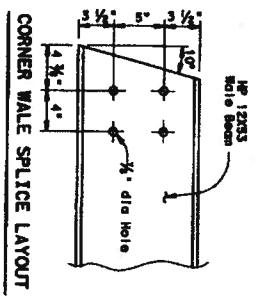
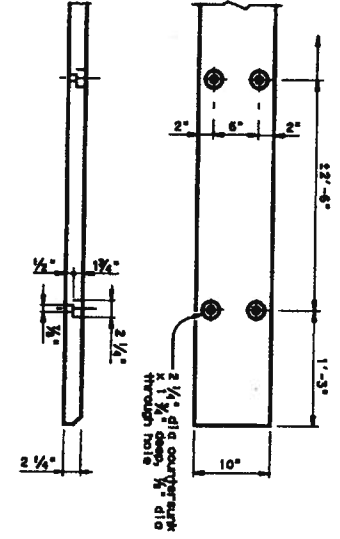
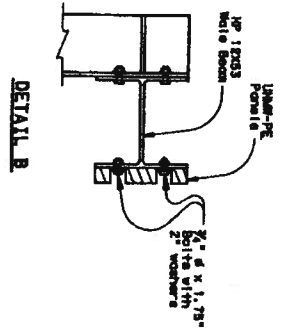
CONNECTION DETAILS

- ① Provide 1/2" dia hole in wale beam, 1 1/2" vertical slot in WT for 1/2" dia x 2 1/2" bolt.
- ② Supply 1/2" x 1 1/2" horizontal slot in wale beam, and supply 1/2" x 1 1/2" vertical slot in WT section for 1/2" x 2 1/2" bolt.
- ③ Holes for attaching wales to piling may be field drilled to match final piling locations as given. Square drilling operations do not damage protective coating. If damage occurs and the hole is not greater than 1/2" away from edge of hole, repair as specified in the general notes.
- ④ Holes for top and bottom of wale beam web in each location.
- ⑤ See Fender Pile Access sheets for Fender Piling Ladder details.

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FENDER DETAILS



GENERAL NOTES:
 1. All bolts conforming to ASTM A325 as per bid. The hole shall be drilled and reamed here in. Supply all bolts with nuts and washers. Coat the nuts, washers and bolts with marine epoxy with or without zinc dust to all surfaces.
 2. Use grade 80 for all reinforcing steel.
 3. Shop joint steel prior to erigging with a Special Provision System in accordance with Item 446, Reinforcing and Paving Steel. The special provision shall be as follows:
 - Proper steel shall be of the minimum SSPC-QP 5 with required primer manufacturer's special pigments, epoxy on immersion grade epoxy shall be in accordance with approved system.
 - Shop joint steel shall be erigged in field to obtain a shop and paint erigged system in field to epoxy coating compatible with shop erigging.
 Provide one of the following approved primer systems for the immersion grade epoxy:
 Sherwin Williams 10 mile minimum DFT CopoGuard 890
 Sherwin Williams 10 mile minimum DFT CopoGuard 890
 Elmer Coats 10 mile minimum DFT Barco-Plate 154
 Second Coat 10 mile minimum DFT Barco-Plate 154
 4. All steel piling shall be erigged in Item 407, Steel Piling, erigged 2m feet below groundline shown in plans.

Prior to welding, blast clean within one inch of the weld to the requirements of Class A, Cleaning and Paving Steel, in Item 446, Cleaning and Paving Steel. After welding, repair the over blast and coat the area with marine immersion grade epoxy 15:0 mils DFT.
 Repair any coating damaged during construction in accordance with the manufacturer's written recommendations.
 After the fender system is assembled, the piling shall be filled with concrete as shown in the plans.
 All splice plate bolts shall be 3/4\"/>

Fender panels shall be block.
 Offset erigging splice locations so as not to occur on the same location on the wale splice above and below.

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FENDER DETAILS