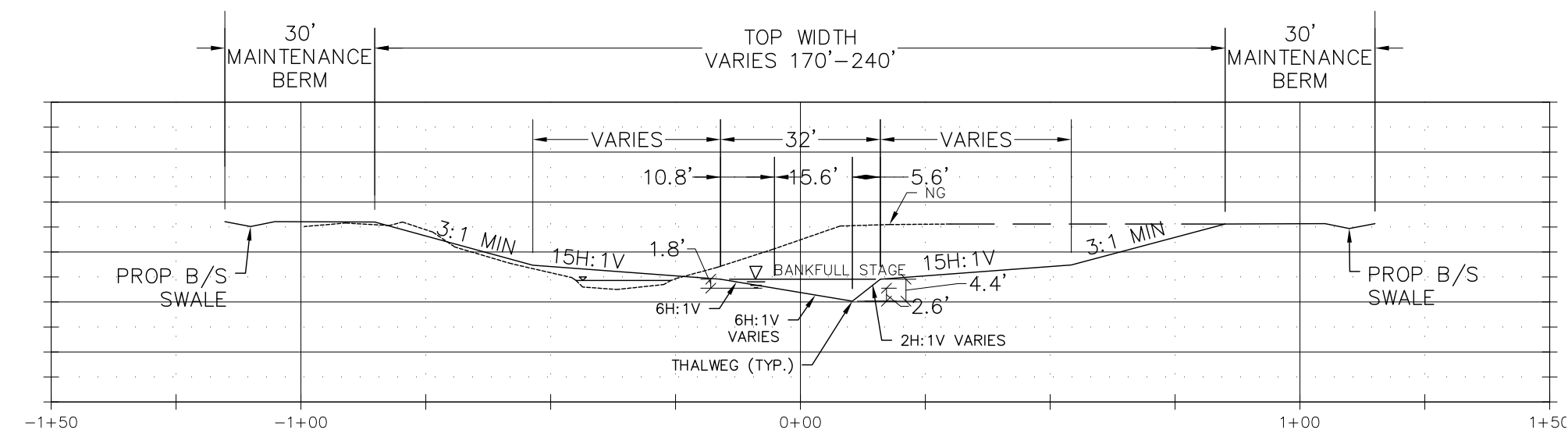
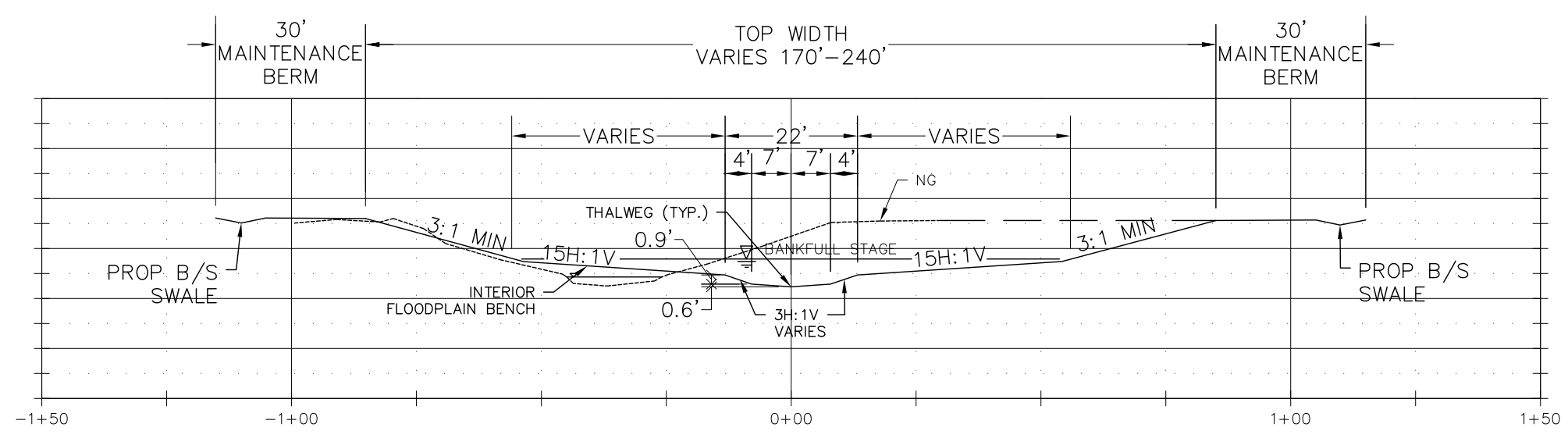


TYPICAL RIFFLE SECTION  
 $S = 0.0008 \text{ FT/FT}$  AND  $BW > 20 \text{ FT}$



TYPICAL POOL SECTION  
 $S = 0.0008 \text{ FT/FT}$  AND  $BW > 20 \text{ FT}$



TYPICAL RIFFLE SECTION  
 $S = 0.0028 \text{ FT/FT}$  AND  $BW > 20 \text{ FT}$


NOTES:

1. RIFFLE CROSS-SECTION TYPICALLY OCCURS AT MID-RIFFLE AND POOL CROSS-SECTION AT THE MID-POOL. CHANNEL DEPTH AND SIDE SLOPES WILL VARY ALONG TRANSITION FROM POOL.
2. FLOW LINE SLOPES THROUGH THIS SECTION SHALL BE 0.08%.
3. APPLY THIS RIFFLE AND POOL SECTION FROM OUTFALL TO STA. 46+00.
4. BW IS IN REFERENCE TO THE FLOOD CONVEYANCE CHANNEL BOTTOM WIDTH.

NOTES:

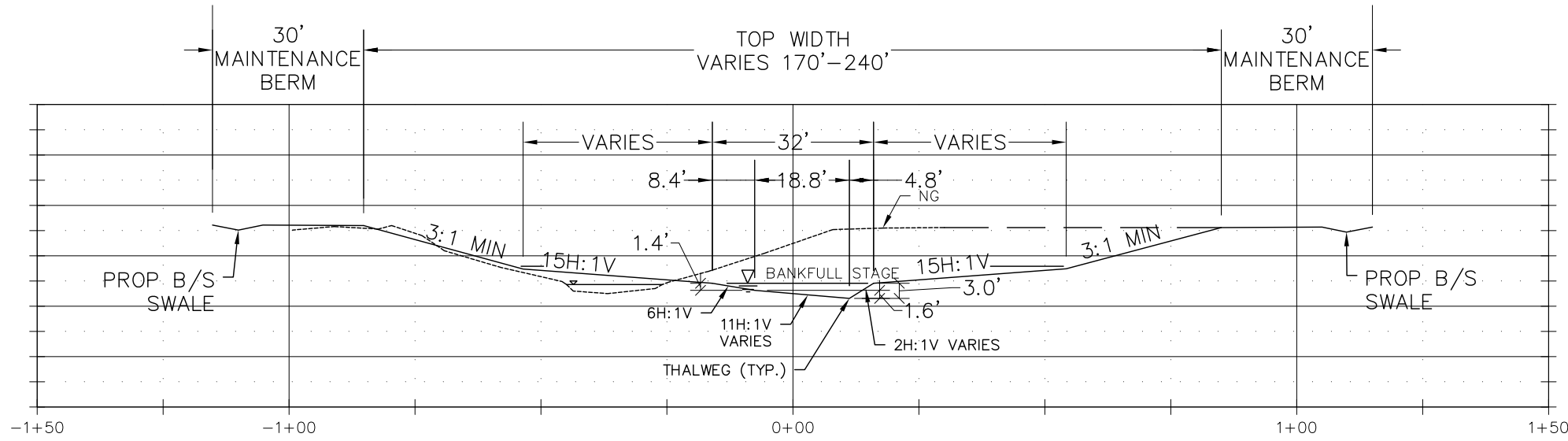
1. RIFFLE CROSS-SECTION TYPICALLY OCCURS AT MID-RIFFLE AND POOL CROSS-SECTION AT THE MID-POOL. CHANNEL DEPTH AND SIDE SLOPES WILL VARY ALONG TRANSITION FROM POOL.
2. FLOW LINE SLOPES THROUGH THIS SECTION SHALL BE 0.28%.
3. APPLY THIS RIFFLE AND POOL SECTION FROM STA. 46+00 TO STA. 56+00.
4. BW IS IN REFERENCE TO THE FLOOD CONVEYANCE CHANNEL BOTTOM WIDTH.

Y:\Projects\0015000\0016500\16532 Kingwood Diversion Ditch Improvements\CAD\Working Files\ALT 3 - Typ Sections.dwg

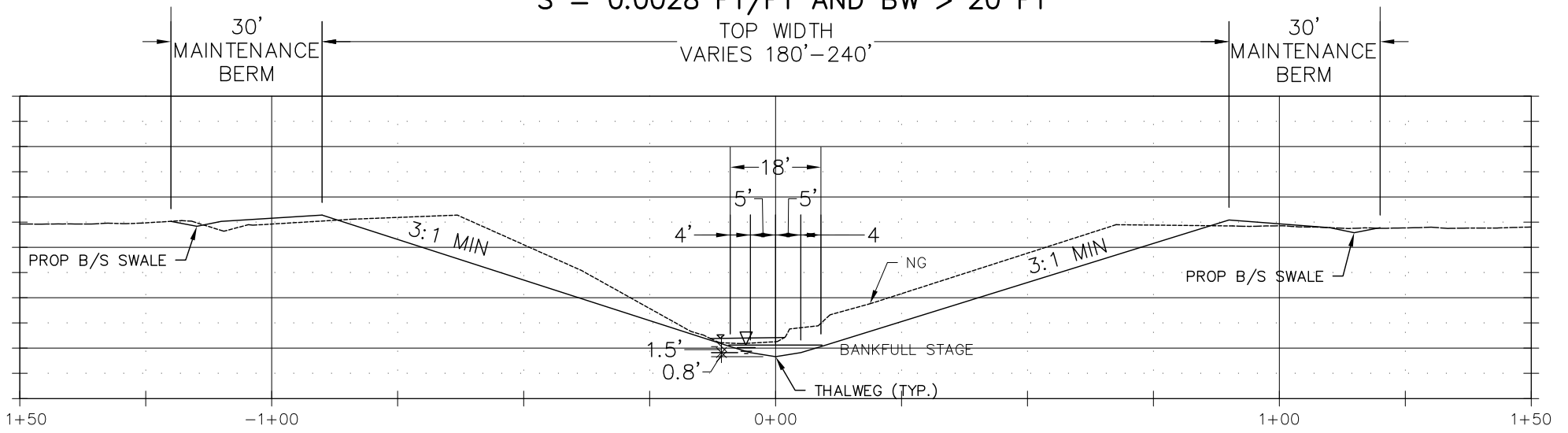
DATE	APPR				
DESCRIPTION					
REV					
PROJECT ID#	G103-38-00-E001				
CHANNEL	KINGWOOD DIVERSION CHANNEL				
SECTION	ALTERNATIVE 3 CHANNEL TYPICAL SECTIONS				
PREPARED:	CL				
CHECKED:	DEM				
APPROVED:	MH				
 <b>NEEL-SCHAFFER</b> 13430 Northwest Freeway Suite 650 Houston, Texas 77040					
 <b>HARRIS COUNTY FLOOD CONTROL DISTRICT</b> 9900 Northwest Freeway Houston, Texas 77092					
DATE: 10-03-2022					
SCALE: NTS					
SHEET NUMBER					
1 OF 3					

CONCEPTUAL DESIGN  
 NOT FOR CONSTRUCTION

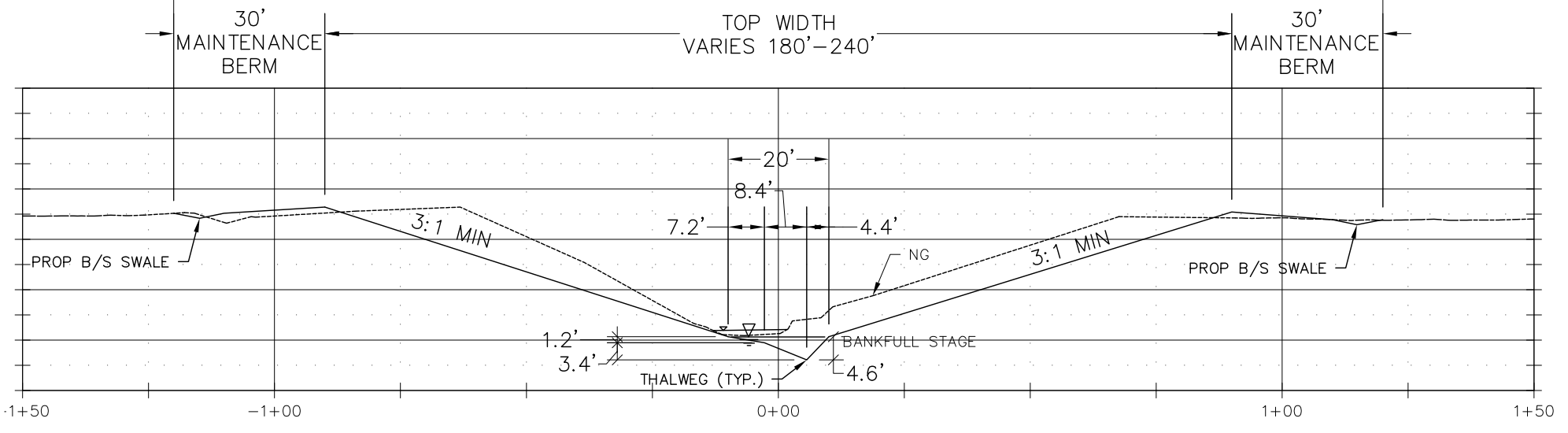
Y:\Projects\0015000\0016500\16532 Kingwood Diversion Ditch Improvements\CAD\Working Files\ALT 3 - Typ Sections.dwg



**TYPICAL POOL SECTION**  
 $S = 0.0028 \text{ FT/FT}$  AND  $BW > 20 \text{ FT}$



**TYPICAL RIFFLE SECTION**  
 $S = 0.0011 \text{ FT/FT}$  AND  $BW = 20 \text{ FT}$



**TYPICAL POOL CROSS SECTION**  
 $S = 0.0011 \text{ FT/FT}$  AND  $BW = 20 \text{ FT}$

NOTES:

1. RIFFLE CROSS-SECTION TYPICALLY OCCURS AT MID-RIFFLE AND POOL CROSS-SECTION AT THE MID-POOL. CHANNEL DEPTH AND SIDE SLOPES WILL VARY ALONG TRANSITION FROM POOL.
2. FLOW LINE SLOPES THROUGH THIS SECTION SHALL BE 0.11%.
3. APPLY THIS RIFFLE AND POOL SECTION FROM STA. 57+00 TO STA. 87+00.
4. BW IS IN REFERENCE TO THE FLOOD CONVEYANCE CHANNEL BOTTOM WIDTH.

DATE	APPR	REV	DESCRIPTION

<b>PROJECT ID# G103-38-00-E001</b>	<b>KINGWOOD DIVERSION CHANNEL</b>	<b>ALTERNATIVE 2</b>
CL	DEM	MH
PREPARED:	CHECKED:	APPROVED:

**NEEL-SCHAFFER**  
 13430 Northwest Freeway  
 Suite 650  
 Houston, Texas 77040

**HARRIS COUNTY FLOOD CONTROL DISTRICT**  
 9900 Northwest Freeway  
 Houston, Texas 77092

DATE: 10-03-2022
SCALE: NTS
SHEET NUMBER
2 OF 3

CONCEPTUAL DESIGN  
 NOT FOR CONSTRUCTION

