

BOTH ABUTMENTS ON BEARING S 89°50'22.92" E  
 BOTH BENTS ON BEARING S 79°50'22.92" E

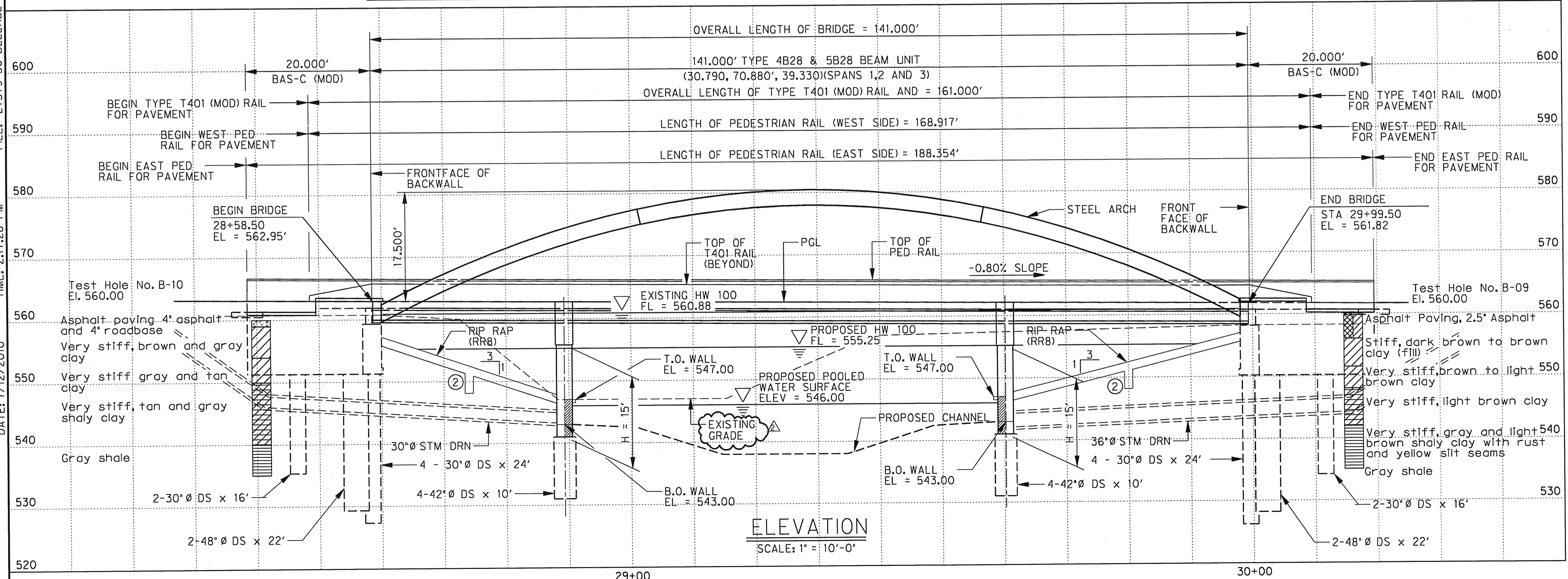
- DESIGN NOTES:**
1. BRIDGE DESIGNED FOR HL93 LOADING AND 25 PSF FUTURE OVERLAY PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (2007) AND INTERIM REVISIONS THERETO.
  2. CONTRACTOR SHALL LOCATE ALL UTILITIES AND INFORM THE ENGINEER IN WRITING OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
  3. FOR TYPICAL SECTION, SEE SHEET 2 OF 2.
  4. DESIGN SPEED = 30 MPH
  5. ADT = 3,636
  6. FUNCTIONAL CLASSIFICATION = LOCAL RESIDENT STREET
  7. CONTRACTOR SHALL EXTEND CARRIER PIPES TO THE OUTSIDE EDGE OF THE SUPPORT SLAB OF EACH BRIDGE APPROACH SLAB AND CAP THEM.

- FOUNDATION NOTES:**
1. ALL DRILLED SHAFTS AT ABUTMENT AND BENTS ARE DESIGNED FOR SKIN FRICTION AND POINT BEARING.
  2. FOUND DRILLED SHAFTS AT THE ELEVATIONS SHOWN OR DEEPER AS NECESSARY TO PENETRATE GRAY SHALE.
- A MINIMUM OF:  
 5'-0" (30" DIA.) WINGWALL  
 10'-0" (30" DIA.) ABUTMENT  
 10'-0" (42" DIA.)  
 11'-0" (48" DIA.)
- ① SEJ SHALL TERMINATE AT T401 (MOD) RAIL. TYPE A JOINT SHALL BE USED AT SIDEWALKS.
  - ② INTERMEDIATE TOE WALL SEE CRR (MOD)
  - ③ CONNECTION OF WINGWALL TO BRIDGE COLUMN TO BE REVIEWED AND APPROVED BY BRIDGE ENGINEER.

**FARMERS BRANCH CREEK  
 HYDRAULIC DATA**

100 YEAR FLOOD (PROPOSED)

Q = 8,944 cfs  
 V = 8.33 fps  
 HW = 555.25'



05-19-10

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ERIC S. CHRISTIANSEN, P.E. #85412 ON 05-19-2010, ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS, 75081. TPE FIRM #F-312.

Eric S. Christiansen  
 PROFESSIONAL ENGINEER

Addendum #2		ESC	05/19/10
NO. REVISION		BY	DATE
<b>HALFF</b> 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275 TEL (214) 346-6200 FAX (214) 739-0095			
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