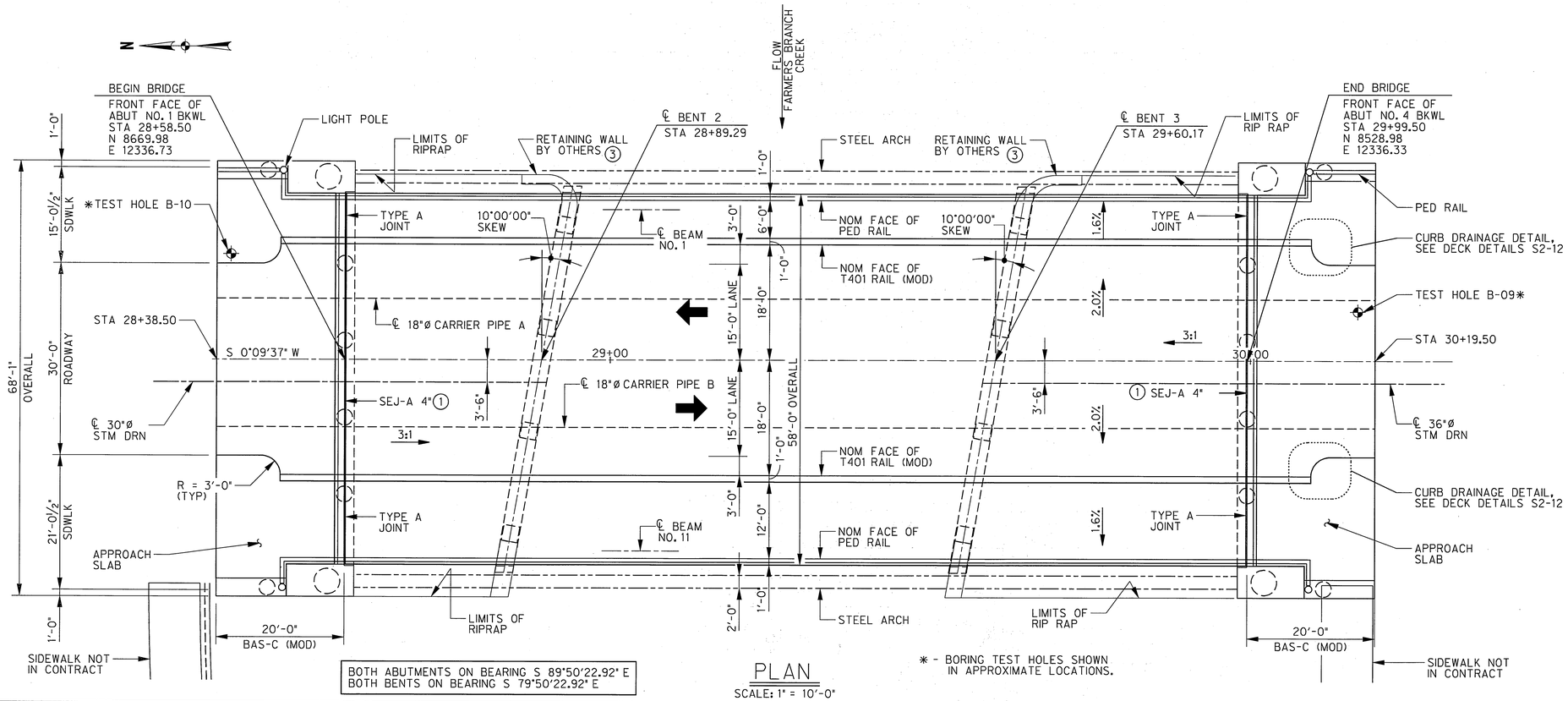
USER: ah2441
PROJECT # 27379 OFFICE: RCH
FILE: 27379-SC-BELLABL-BL01.dgn
TIME: 12:58:58 PM
DATE: 4/29/2010

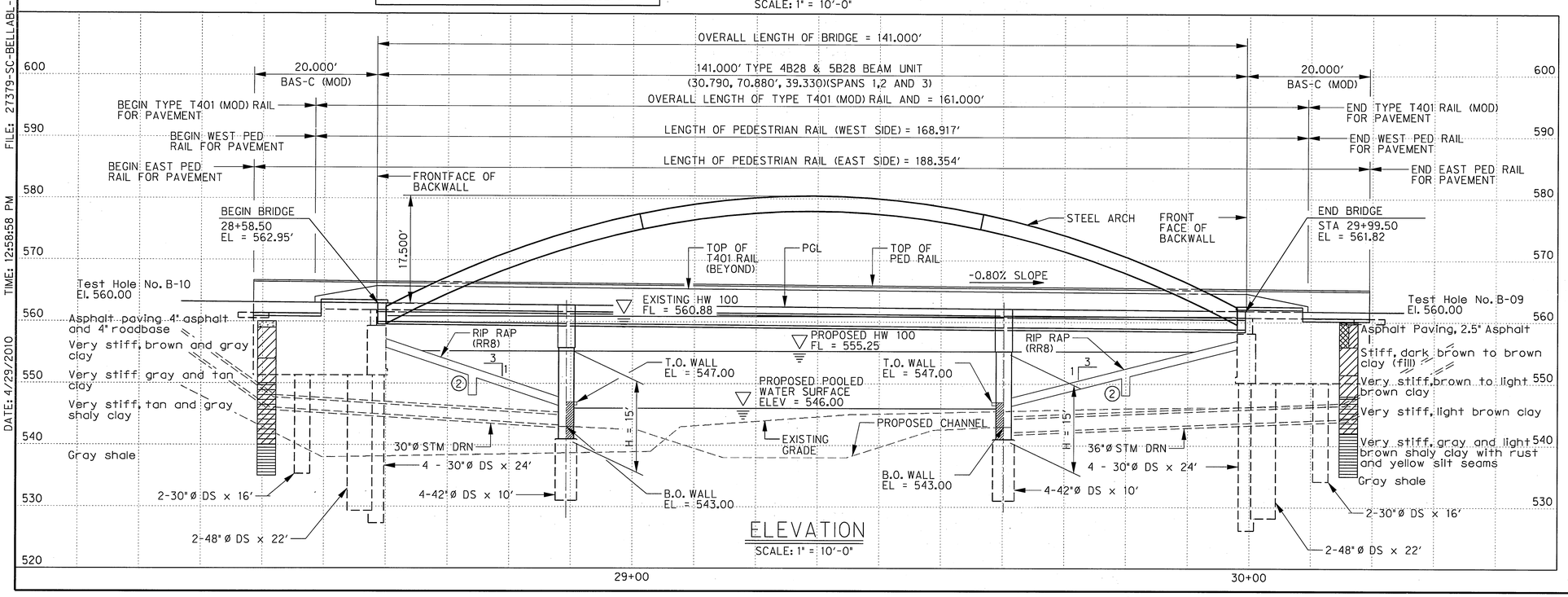


BOTH ABUTMENTS ON BEARING S 89°50'22.92" E
BOTH BENTS ON BEARING S 79°50'22.92" E

PLAN

SCALE: 1" = 10'-0"

* - BORING TEST HOLES SHOWN IN APPROXIMATE LOCATIONS.



ELEVATION

SCALE: 1" = 10'-0"

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

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'

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ERIC S. CHRISTIANSEN, P.E.#85412 ON 04-29-2010. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPOSIBLE 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. TBPE FIRM #F-312.

NO.	REVISION	BY	DATE

Addison!

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

VITRUVIAN PARK BRIDGES
BELLA LANE

BRIDGE LAYOUT - PLAN

HALFF
1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200 FAX (214) 739-0095

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
27379	ESC	AHH	APRIL 2010	-	S2-01