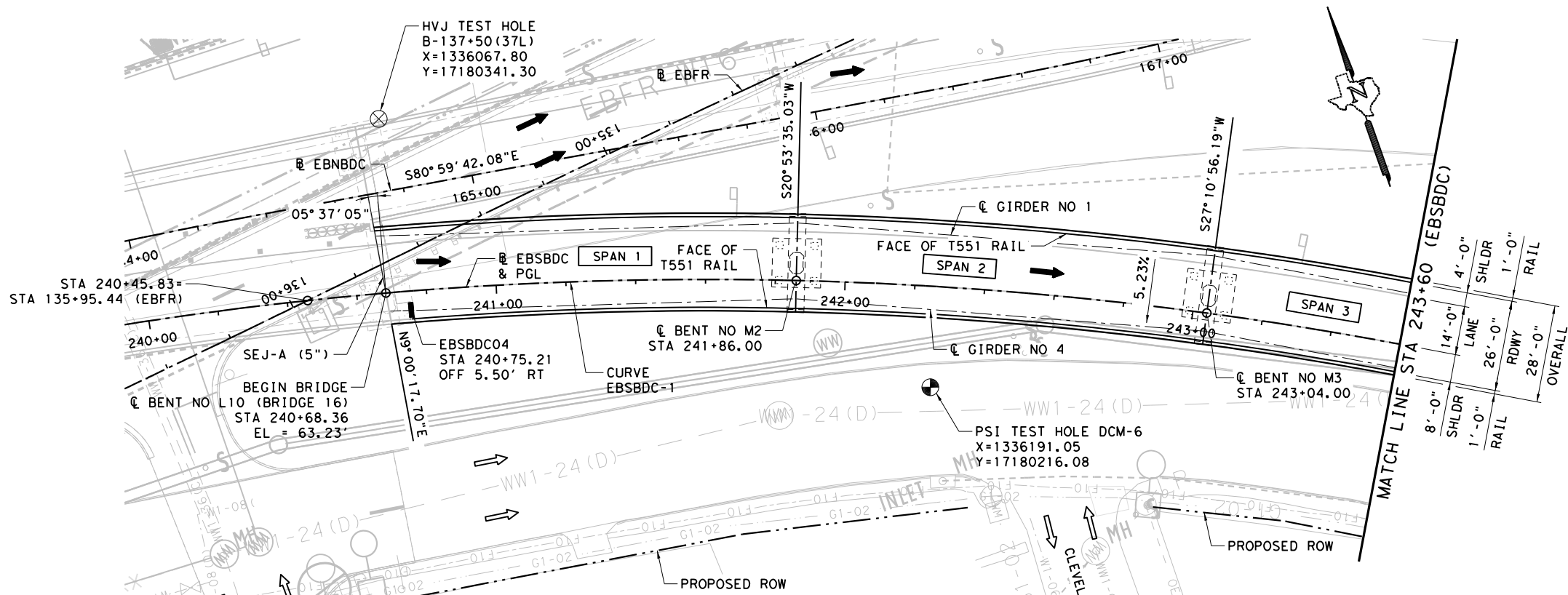


- NOTES:
1. SEE "GENERAL NOTES" SHEETS FOR GENERAL NOTES.
 2. ROADWAY HORIZONTAL AND VERTICAL GEOMETRY, WIDTH, SUPERELEVATION, TRAFFIC DIRECTION, EXISTING GROUND LINE, PROPOSED GROUND LINE, RIGHT OF WAY AND DRAINAGE DATA PROVIDED BY STANTEC. TOPO DATA PROVIDED BY CIVIL CORP. UTILITY DATA PROVIDED BY KCI.
 3. ALL DIMENSIONS ARE EITHER HORIZONTAL OR VERTICAL AND MUST BE CORRECTED FOR GRADE, CROWN AND/OR SUPERELEVATION.
 4. ALL SUPERELEVATION TRANSITIONS ARE LINEAR.
 5. FOR CONCRETE GIRDER SPANS, "D" DENOTES BENTS WITH DOWEL BARS AND SLOTTED HOLES AT ENDS OF EXTERIOR GIRDER ONLY.
 6. PILE TIP ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OF RECORD OR AN AUTHORIZED REPRESENTATIVE BASED UPON ACTUAL SOIL CONDITIONS ENCOUNTERED AT EACH PILE LOCATION.
 7. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING STRUCTURES AND UTILITIES PRIOR TO CONSTRUCTION.
 8. SEE "TYPICAL SECTIONS" SHEET FOR TYPICAL SECTIONS.
 9. SEE "BORING LOG DATA" SHEETS FOR BORING LOG INFORMATION.
 10. SEE "FOUNDATION LAYOUT" SHEETS FOR DRAINAGE AND UTILITY INFORMATION.
 11. SEE SIGNAGE SHEETS FOR SIGN LOCATIONS AND BRIDGE MOUNT DETAILS.
 12. SOIL EXPLORATION DATA PROVIDED BY PSI.
 13. SEE HVJ GEOTECHNICAL DATA REPORT DATED 9/29/2014 FOR HVJ BORING DATA.
 14. BRIDGE NOT DESIGNED FOR OVERLAY LOAD.



CURVE EBSBDC-1
P.I. STATION = 248+36.29
DELTA = 85°22'00.56" (RT)
DEGREE = 5°19'47.42"
TANGENT = 991.41'
LENGTH = 1,601.68'
RADIUS = 1,075.00'
P.C. STATION = 238+44.88
P.T. STATION = 254+46.56

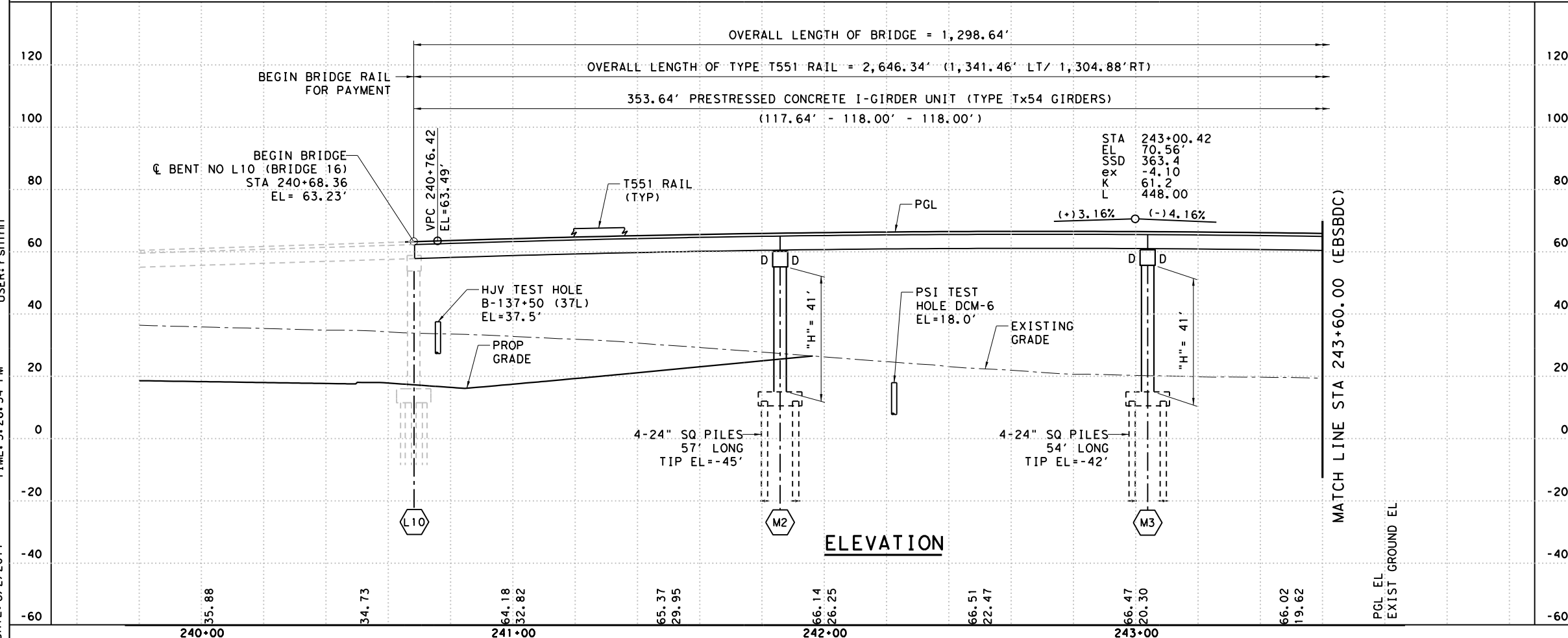
DESIGN DATA
NBI NO XX-XXX-X-XXXX-XX-XXX
FUNC CLASS: DIRECT CONNECTOR
DESIGN SPEED: 45 MPH
ADT: BRIDGE DC-M
(2023) = 6,230
(2035) = 6,930

PLAN

ALL BENTS RADIAL TO ALIGNMENT UNLESS NOTED OTHERWISE

LEGEND

- ← PROPOSED TRAFFIC FLOW
→ EXISTING TRAFFIC FLOW
● PSI BORE HOLE
⊗ HVJ BORE HOLE
HL-93 LOADING



ELEVATION

FIGG BRIDGE ENGINEERS, INC.
PRELIMINARY - FOR INTERIM REVIEW ONLY

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CESAR FERNANDES 98112 08/02/2017
TBPE FIRM #F-4883 P.E. NO. DATE

NO. DATE REVISION APPROVED

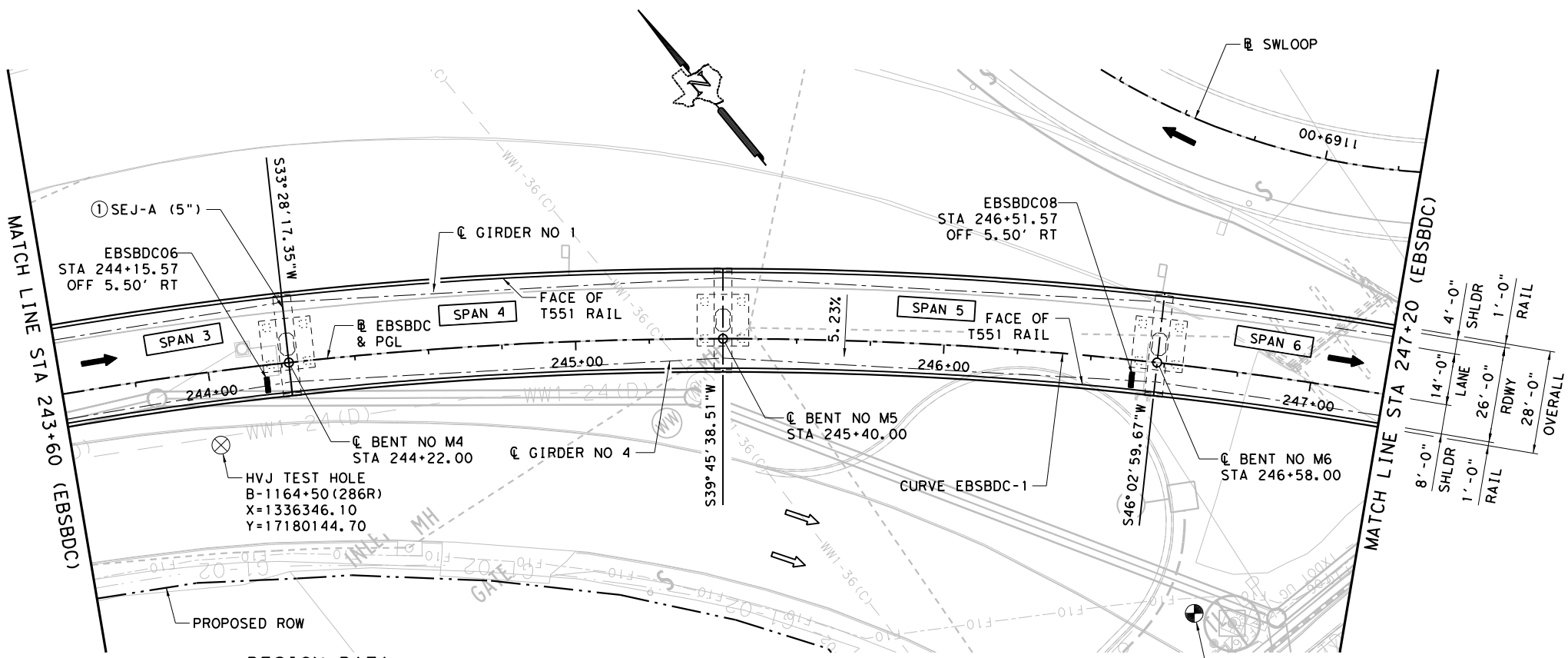
FLATIRON/DAGADOS LLC
TEXAS DEPARTMENT OF TRANSPORTATION
US 181 HARBOR BRIDGE
BRIDGE LAYOUT

DIRECT CONNECTOR
IH 37 SB TO SH 286 SB
BRIDGE 17, CONN "M"

SCALE: 1"=40'-0" SHEET 1 OF 4
DESIGN HEW
GRAPHICS SNO
CHECK RLS
CHECK CF

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
HEW	X	(See Title Sheet)	US 181
GRAPHICS	STATE	DISTRICT	COUNTY
SNO	TEXAS	CRP	NUECES
CHECK	CONTROL	SECTION	JOB
CF	0101	06	095

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 13. SEE HVJ GEOTECHNICAL DATA REPORT DATED 9/29/2014 FOR HVJ BORING DATA.
 14. BRIDGE NOT DESIGNED FOR OVERLAY LOAD.
- ① D.S. BROWN SEAL TYPE A2R-XTRA, SHOWN ON SEJ-A STANDARD SHEET, MUST BE USED AT THIS LOCATION.



CURVE EBSBDC-1
P.I. STATION = 248+36.29
DELTA = 85°22'00.56" (RT)
DEGREE = 5°19'47.42"
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DESIGN DATA
NBI NO XX-XXX-X-XXXX-XX-XXX
FUNC CLASS: DIRECT CONNECTOR
DESIGN SPEED: 45 MPH
ADT: BRIDGE DC-M
(2023) = 6,230
(2035) = 6,930

PLAN

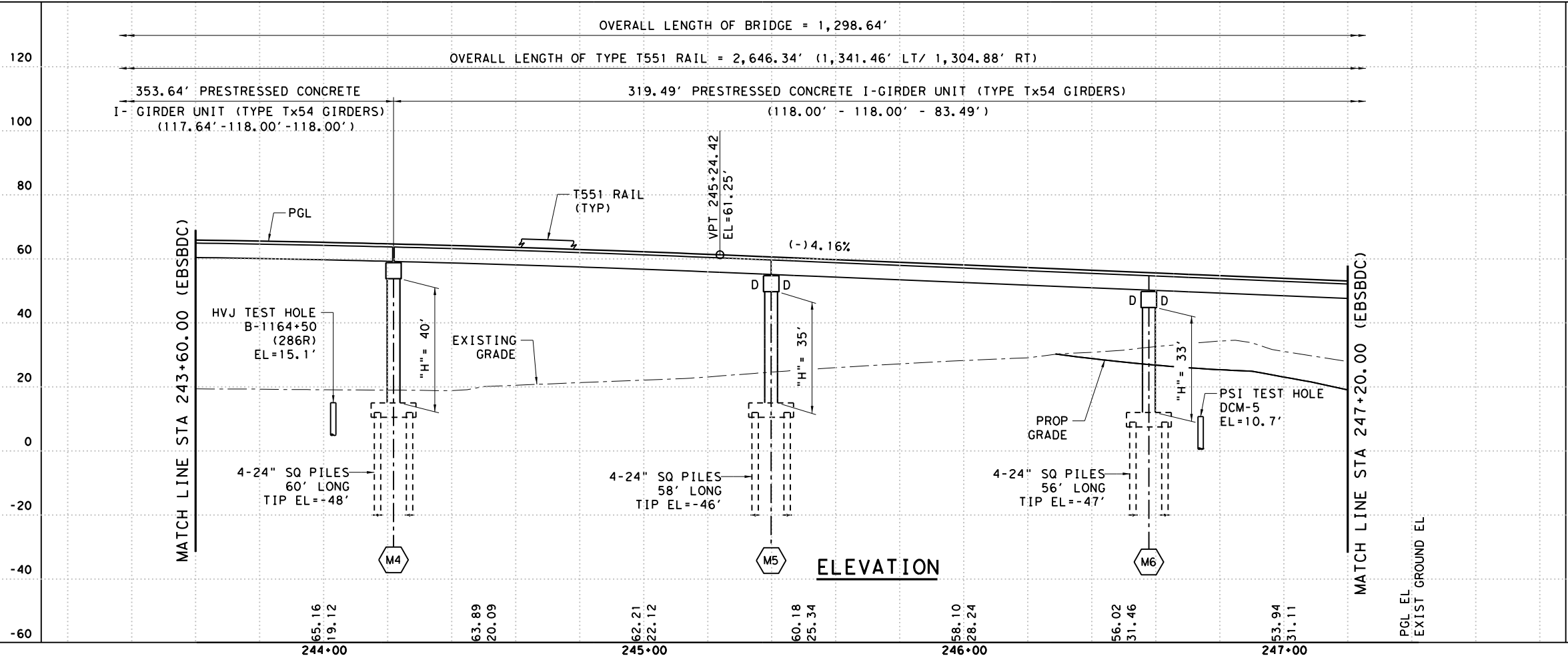
ALL BENTS
RADIAL TO
ALIGNMENT

LEGEND

← PROPOSED TRAFFIC FLOW
→ EXISTING TRAFFIC FLOW

⊙ PSI BORE HOLE
⊗ HVJ BORE HOLE

HL-93 LOADING



ELEVATION

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CESAR FERNANDES 98112 08/02/2017
TBPE FIRM #F-4883 P.E. NO. DATE

NO.	DATE	REVISION	APPROVED

FLATIRON/DAGADOS LLC

FIGG
TBPE, FIRM # F-4883

Texas Department of Transportation
2017

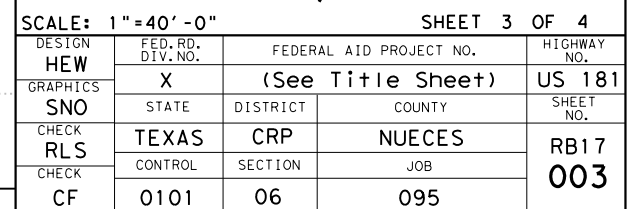
US 181 HARBOR BRIDGE
BRIDGE LAYOUT

DIRECT CONNECTOR
IH 37 SB TO SH 286 SB
BRIDGE 17, CONN "M"

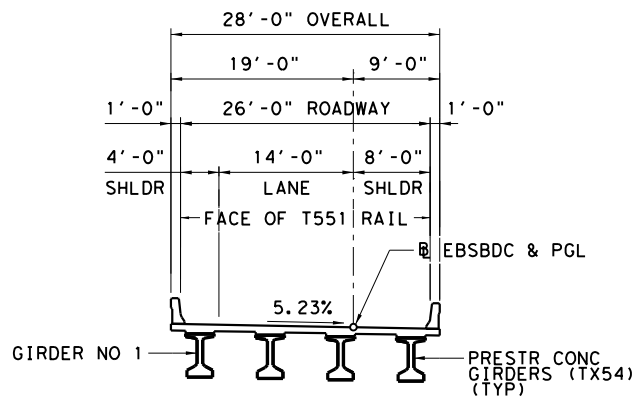
SCALE: 1"=40'-0" SHEET 2 OF 4

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
HEW	X	(See Title Sheet)	US 181
GRAPHICS	STATE	DISTRICT	COUNTY
SNO	TEXAS	CRP	NUECES
CHECK	CONTROL	SECTION	JOB
RLS	0101	06	095
CHECK	CF		

RB17
002



FILE: c:\pw*online\stontec\dms76191\17HBR1S1.dgn
DATE: 8/2/2017 TIME: 5:27:21 PM USER: rshinn






TRANSVERSE SECTION

- NOTES:
1. SEE "GENERAL NOTES" SHEETS FOR GENERAL NOTES.
 2. SEE T551 STANDARD FOR RAIL DETAILS.

PRELIMINARY NOT FOR CONSTRUCTION, AUGUST 2017

HL-93 LOADING

NO.	DATE	REVISION	APPROVED	
 FLATIRON DRAGADOS FLATIRON/DRAGADOS LLC		 FIGG TBPE, FIRM # F-4883		
 Texas Department of Transportation [®] 2017				
US 181 HARBOR BRIDGE				
TYPICAL SECTIONS				
DIRECT CONNECTOR				
IH 37 SB TO SH 286 SB				
BRIDGE 17, CONN "M"				
SCALE: 1" = 20'-0"		SHEET 1 OF 1		
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
HEW	X	(See Title Sheet)		US 181
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUECES	RB17 005
CHECK	CONTROL	SECTION	JOB	
CF	0101	06	095	

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