

Diagram illustrating the cross-section of a bridge structure, showing dimensions and components:

- Overall Width:** 76'-6"
- Dimensions from Left to Right:**
 - 2'-0"
 - 5'-0"
 - 12'-0"
 - 20'-0"
 - 12'-0"
 - 12'-0"
 - 5'-0"
 - 6'-6"
- Vertical Dimensions:**
 - 10'-0" (Total height)
 - 6'-0" (Height of the main structure)
- Components and Labels:**
 - "C2-INTERCHANGE" LINE =
 - CL BRIDGE
 - PG (Profile Grade)
 - 2% (Slope)
 - IDE GIRDER
 - 6'-0" Ø COLUMN, Typ
 - 8'-0" Ø CIDH PILE
 - OG (Original Ground)
 - 0 MIDWAY

TYPICAL SECTION
1/8" = 1'-0"

- ① Concrete Barrier (Type 842 Mod)
- ② Concrete Barrier (Type 842SW Mod)
- ③ Chain Link Railing (Type 7 Mod)
- ④ Approach Slab (Type N (30)), Typ
- ⑤ Approach Slab (Type N (15)), Typ
- ⑥ 4" Conduit For Future Utilities, Total 2
- ⑦ 2" Conduit For Future Utilities, Total 2

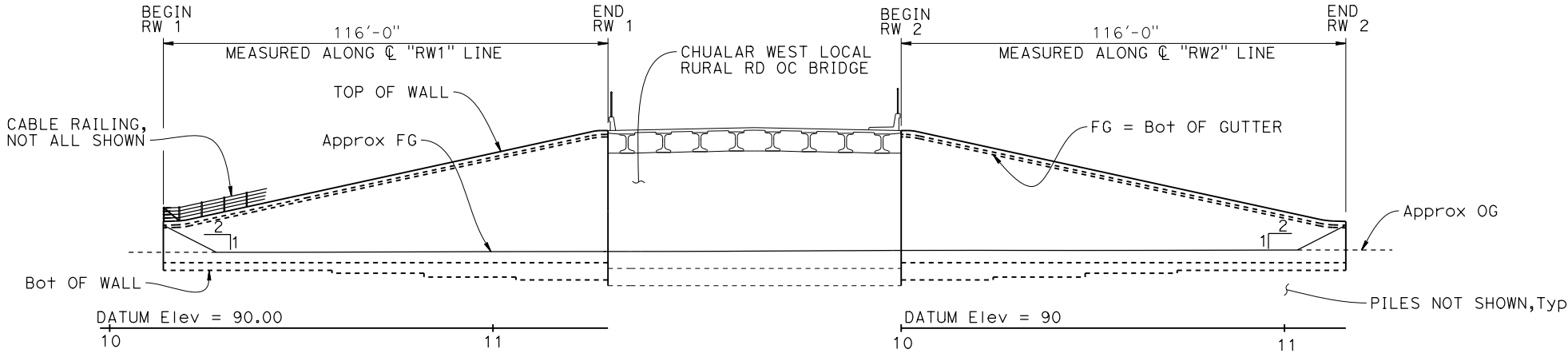
1. Existing OH Electrical & Phone Lines will be Relocated.
2. Speed Limit on Structure is 45 MPH or Less.

DATE OF ESTIMATE	=	<u>1-5-2026</u>
BRIDGE REMOVAL	=	<u>N/A</u>
STRUCTURE DEPTH	=	<u>6'-0"</u>
LENGTH	=	<u>250'-0"</u>
WIDTH	=	<u>76'-6"</u>
AREA	=	<u>19,125 SQFT</u>
COST/ft ²	=	<u>\$602/SQFT</u>
SUBTOTAL + BRIDGE REMOVAL	=	<u>11,518,000</u>
TOTAL COST INCLUDING TRO, MOBILIZATION & 25% CONTINGENCY	=	<u>17,597,000</u>
WORKING DAYS	=	<u>262</u>

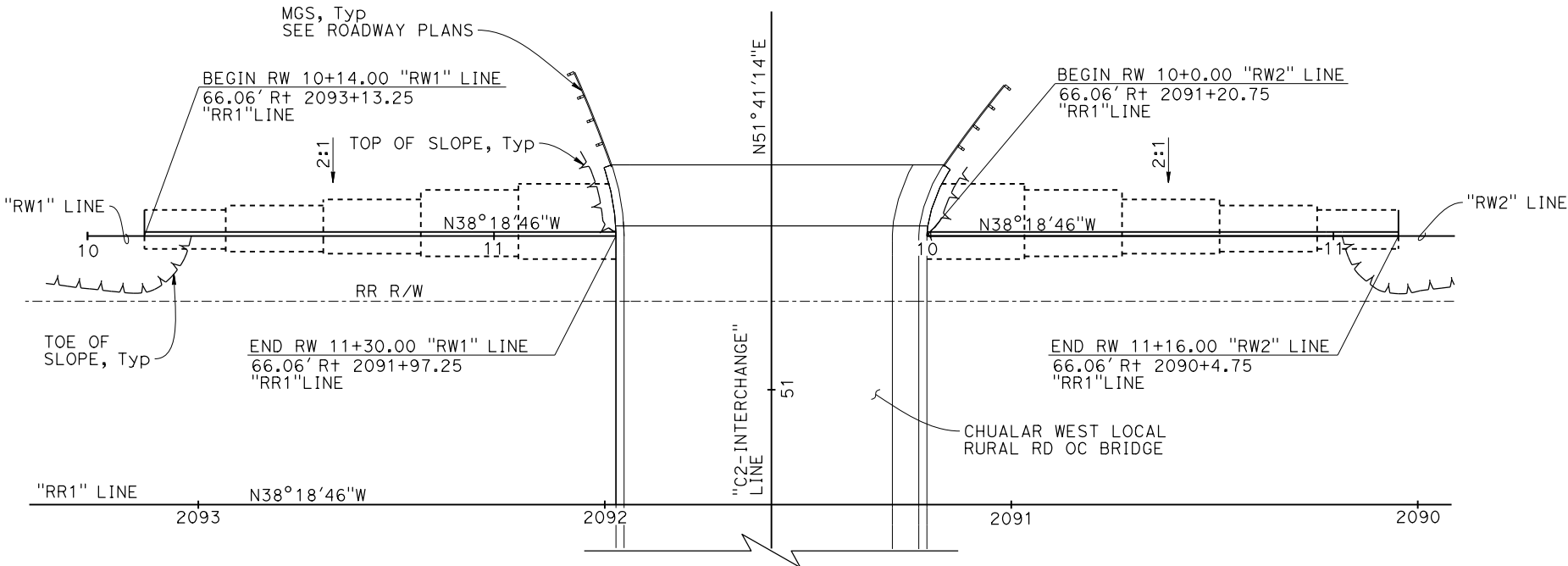
UNIT: 3587	BRIDGE No.: TBD
PROJECT EA: 0H330	PROJECT No. & PHASE: 05130001330

11

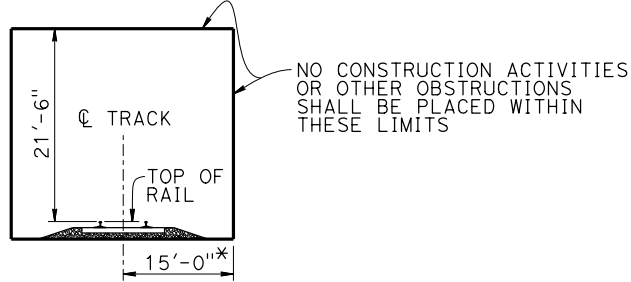
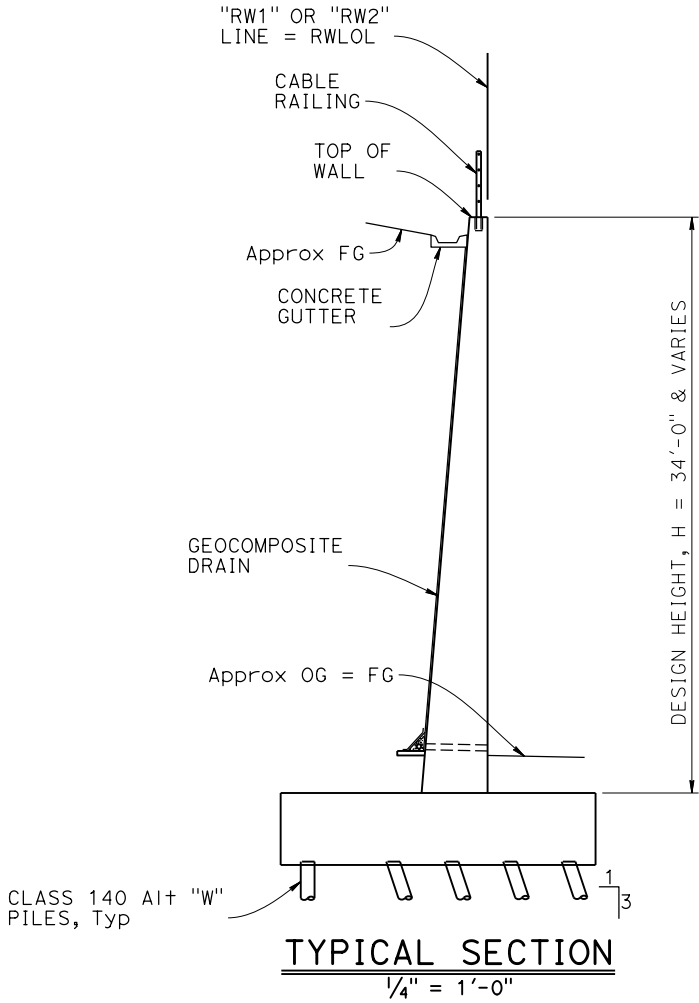
Zone	Dist	COUNTY	ROUTE	POST MILE
4	5	MON	101	77.58



ELEVATION
1" = 20'



PLAN
1" = 20'



**MINIMUM CONSTRUCTION
CLEARANCE ENVELOPE**

(NORMAL TO RAILROAD)
NO SCALE

* FOR CURVED TRACK INCREASE DIMENSION 1.5"
PER DEGREE OF CURVATURE OR A MINIMUM OF 6"

DESIGNED BY Kyle Hassell	DATE 11/2/25
DRAWN BY Rezvaneh Hadinejad	DATE 11/2/25
CHECKED BY Caleb Toy	DATE 11/19/25
APPROVED Caleb Toy	DATE 11/20/25

BRIDGE DESIGN

BRANCH

11

ALTERNATIVE C2

SHEET 2 OF 2

PLANNING STUDY

CHUALAR WEST LOCAL RURAL RD OC

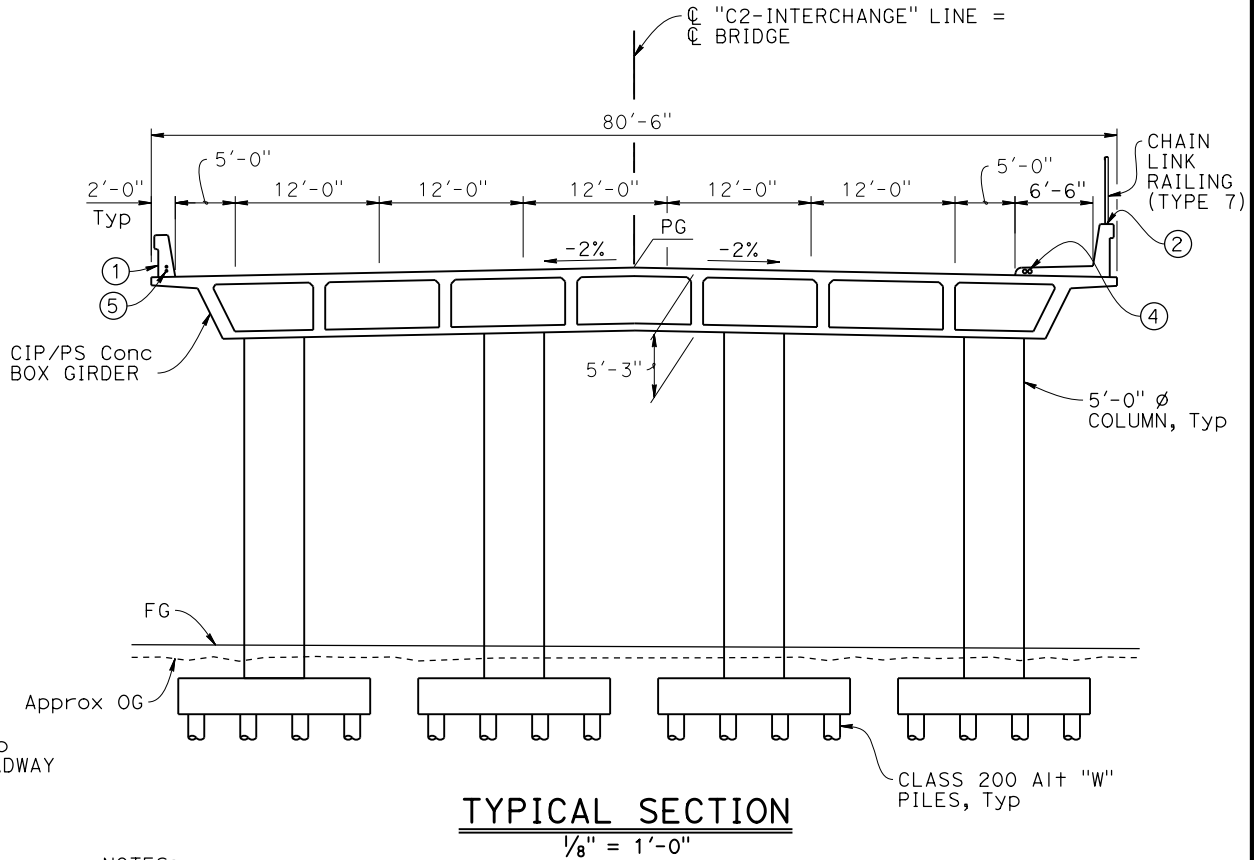
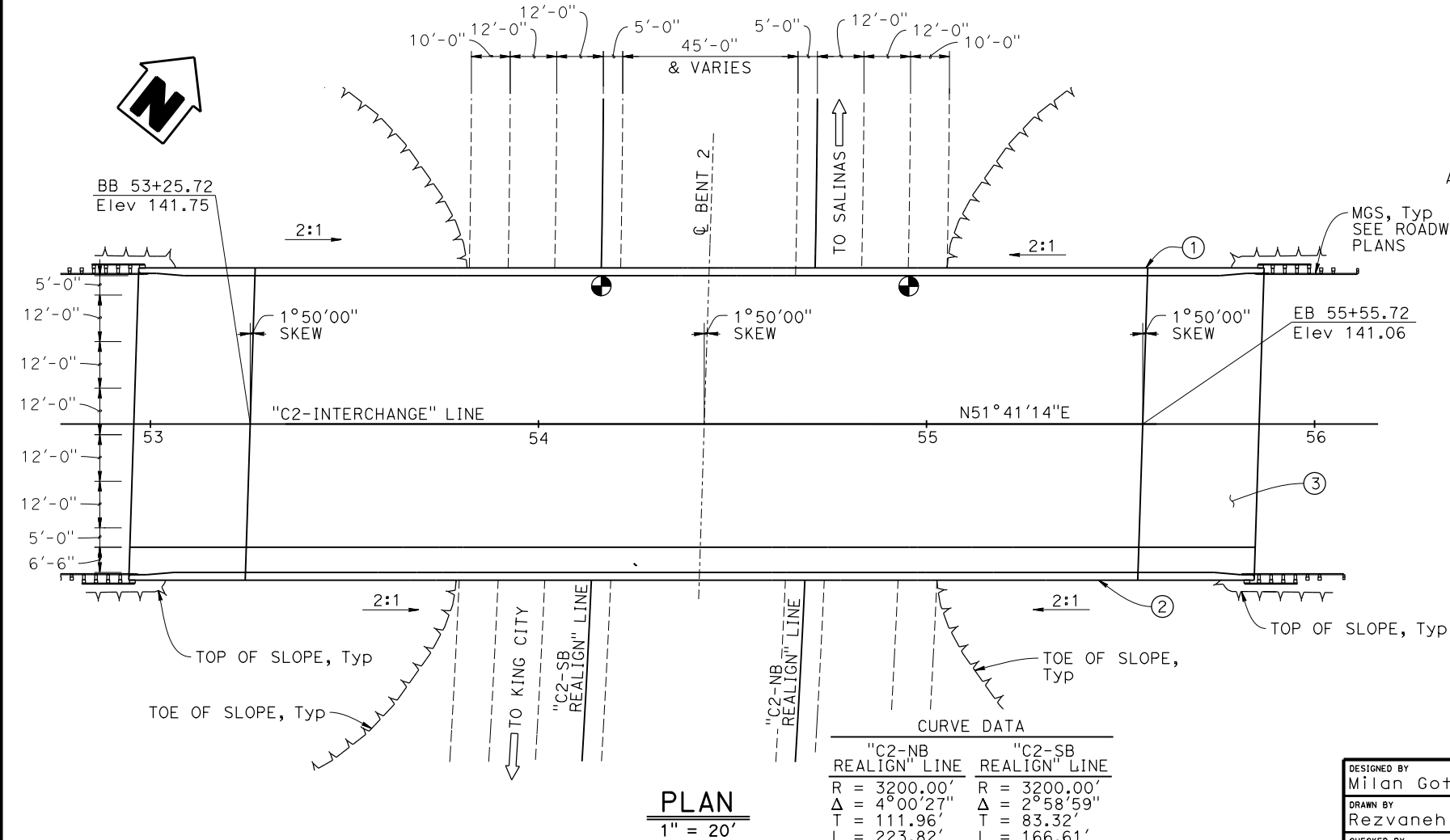
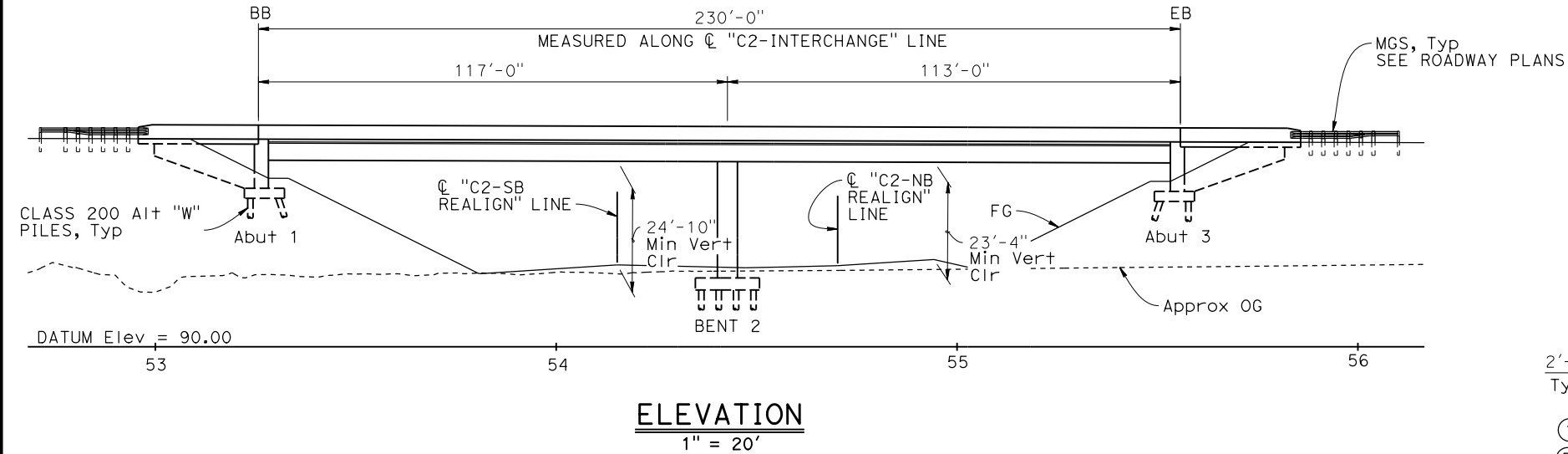
UNIT: 3587

BRIDGE No.: TBD

PROJECT EA: 0H330

PROJECT No. & PHASE: 05130001330

Zone	Dist	COUNTY	ROUTE	POST MILE
4	5	MON	101	77.58



- NOTES:
- Concrete Barrier (Type 842 Mod)
 - Concrete Barrier (Type 842SW Mod)
 - Approach Slab (Type N (30)), Typ
 - 4" Conduit For Future Utilities, Total 2
 - 2" Conduit For Future Utilities, Total 2

LEGEND:

● Point of Minimum Vertical Clearance

ASSUMPTIONS:

1. Speed limit on structure is 45 MPH or less.

DATE OF ESTIMATE	1-5-2026
BRIDGE REMOVAL	= N/A
STRUCTURE DEPTH	= 5'-3"
LENGTH	= 230'-0"
WIDTH	= 80'-6"
AREA	= 18,515 SQFT
COST/f+2	= \$356/SQFT
SUBTOTAL + BRIDGE REMOVAL	= \$6,592,000
TOTAL COST INCLUDING TRO, MOBILIZATION & 25% CONTINGENCY	= \$10,071,000
WORKING DAYS	= 248

DESIGNED BY	DATE
Milan Gotame	10/28/25
DRAWN BY	DATE
Rezvaneh Hadinejad	10/28/25
CHECKED BY	DATE
Kyle Hassell	11/17/25
APPROVED	DATE
Caleb Toy	11/20/25

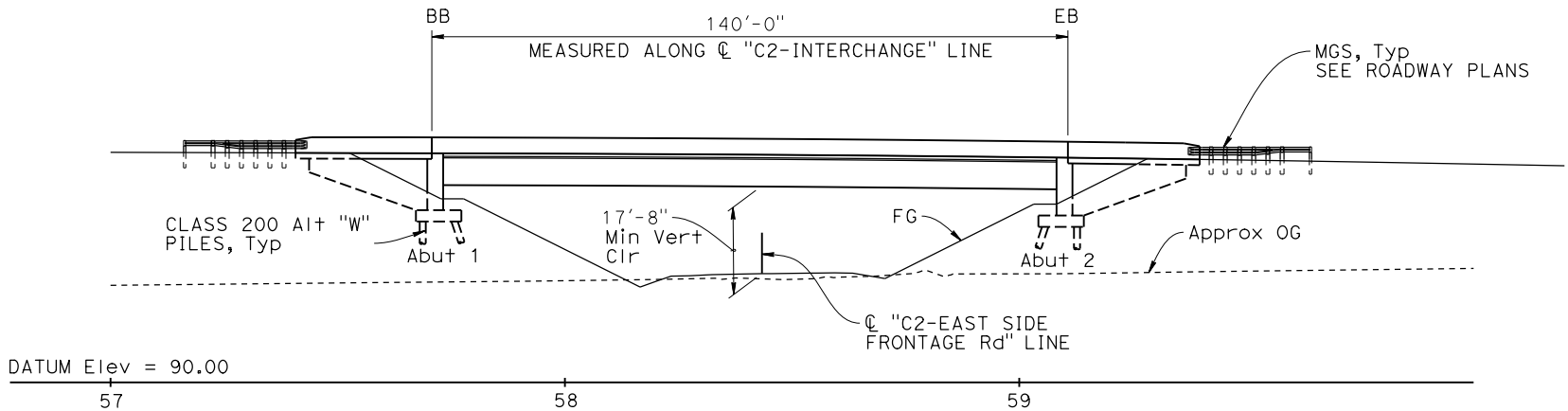
BRIDGE DESIGN
BRANCH
11

**ALTERNATIVE C2
PLANNING STUDY**

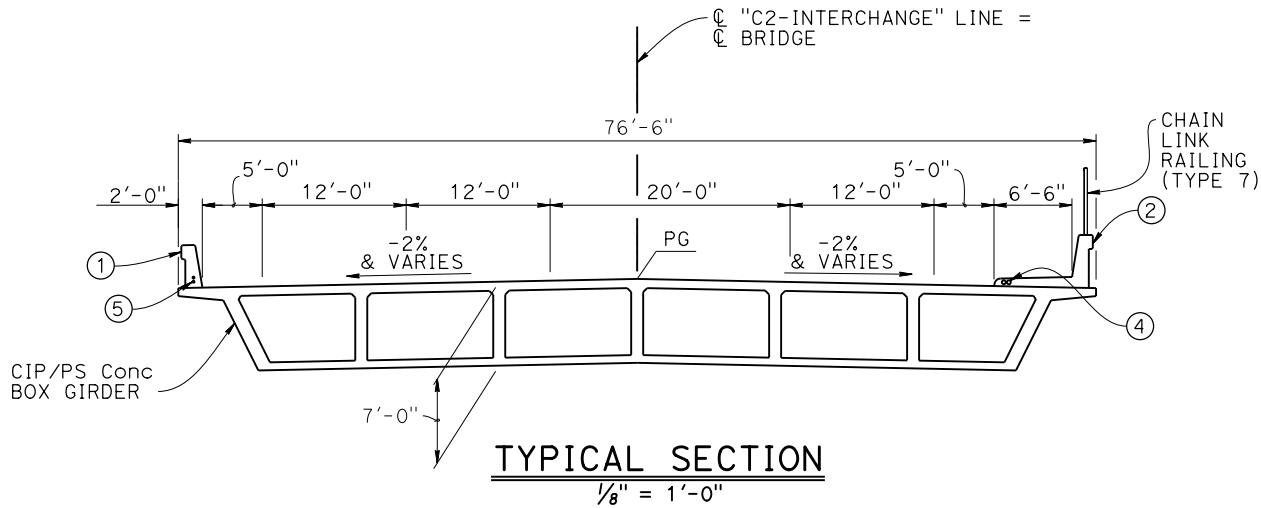
CHUALAR HWY 101 OC

UNIT: 3587	BRIDGE No.: TBD
PROJECT EA: 0H330	PROJECT No. & PHASE: 05130001330

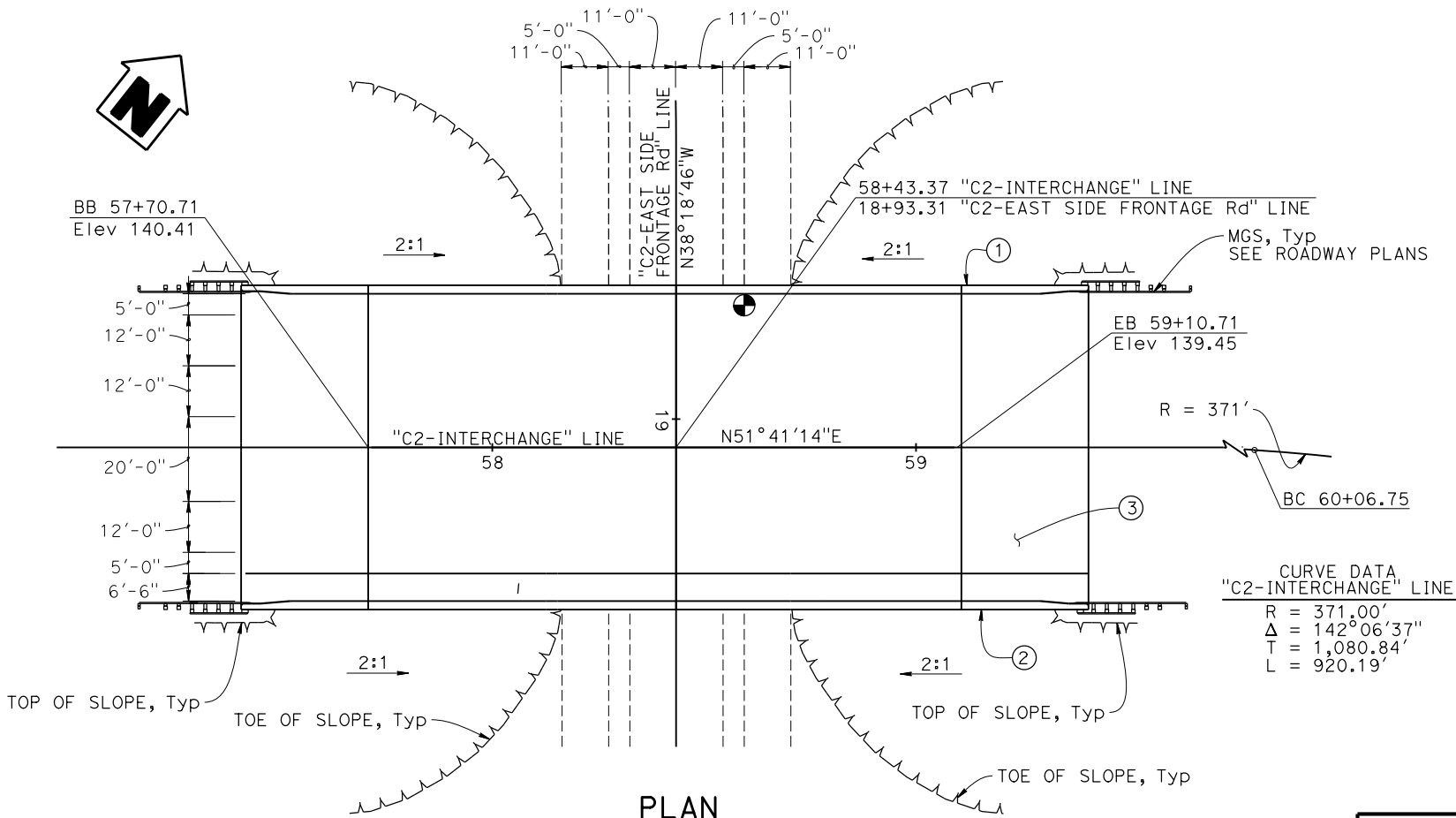
Zone	Dist	COUNTY	ROUTE	POST MILE
4	5	MON	101	77.58



ELEVATION
1" = 20'



TYPICAL SECTION
1/8" = 1'-0"



PLAN
1" = 20'

NOTES:

- ① Concrete Barrier (Type 842 Mod)
- ② Concrete Barrier (Type 842SW Mod)
- ③ Approach Slab (Type N (30)), Typ
- ④ 4" Conduit For Future Utilities, Total 2
- ⑤ 2" Conduit For Future Utilities, Total 2

LEGEND:

- ⊕ Point of Minimum Vertical Clearance

ASSUMPTIONS:

- 1. Speed limit on structure is 45 MPH or less.

DATE OF ESTIMATE	1-5-2026
BRIDGE REMOVAL	= N/A
STRUCTURE DEPTH	= 7'-0"
LENGTH	= 140'-0"
WIDTH	= 76'-6"
AREA	= 10,710 SQFT
COST/ft ²	= \$456/SQFT
SUBTOTAL + BRIDGE REMOVAL	= \$4,878,000
TOTAL COST INCLUDING TRO, MOBILIZATION & 25% CONTINGENCY	= \$7,452,000
WORKING DAYS	= 211

DESIGNED BY	DATE
Milan Gotame	10/28/25
DRAWN BY	DATE
Rezvaneh Hadinejad	10/28/25
CHECKED BY	DATE
Kyle Hassell	11/17/25
APPROVED	DATE
Caleb Toy	11/20/25

BRIDGE DESIGN
BRANCH
11

ALTERNATIVE C2	
PLANNING STUDY	
CHUALAR EAST LOCAL RURAL ROAD OC	
UNIT: 3587	BRIDGE No.: TBD
PROJECT EA: 0H330	PROJECT No. & PHASE: 05130001330