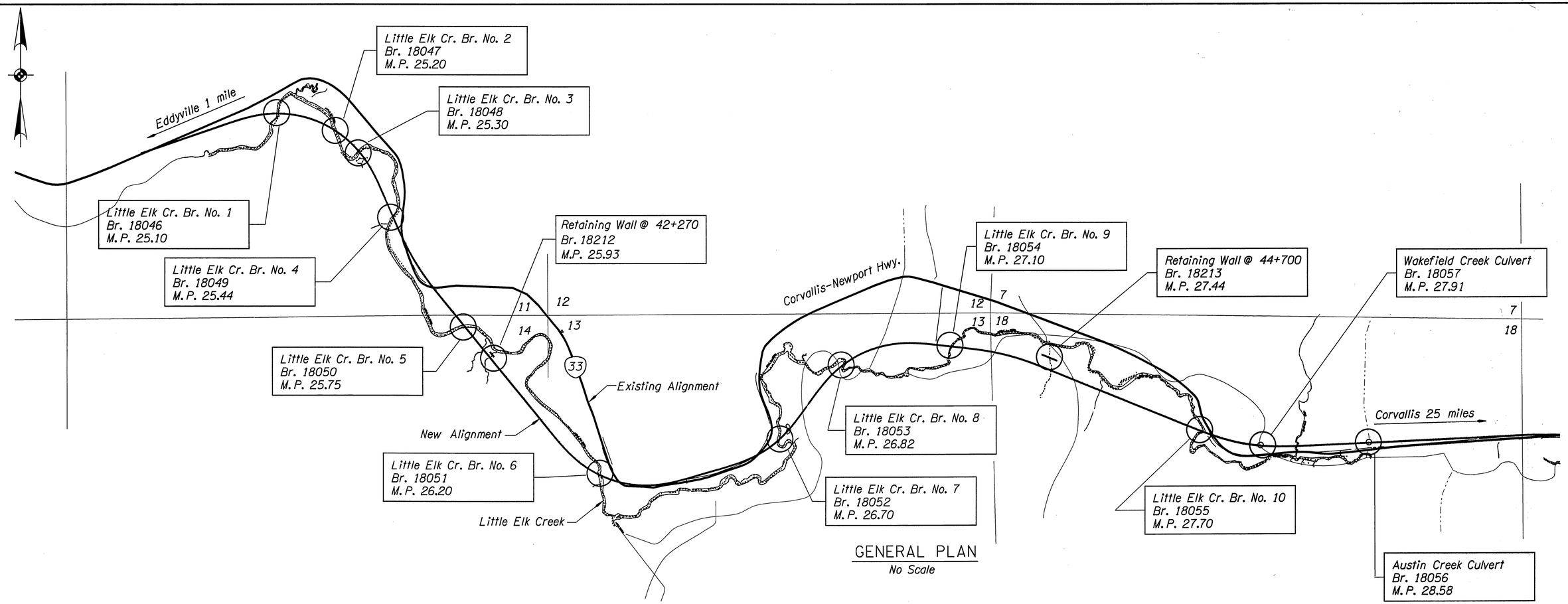

GENERAL PLAN

No Scale

INDEX

Description	Mile Post	Structure No.	Dwg. No.
Little Elk Creek Br. No. 1	25.10	18046	55323
Little Elk Creek Br. No. 2	25.20	18047	55336
Work Access Br. No. 2A	25.20	2A	—
Little Elk Creek Br. No. 3	25.30	18048	55356
Little Elk Creek Br. No. 4	25.44	18049	55368
Work Access Br. No. 4A	25.44	4A	—
Little Elk Creek Br. No. 5	25.75	18050	55382
Little Elk Creek Br. No. 6	26.20	18051	55396
Work Access Br. No. 6A	26.20	6A	—
Little Elk Creek Br. No. 7	26.70	18052	55409

INDEX

Description	Mile Post	Structure No.	Dwg. No.
Work Access Br. No. 7A	26.70	7A	—
Little Elk Creek Br. No. 8	26.82	18053	55428
Little Elk Creek Br. No. 9	27.10	18054	55447
Little Elk Creek Br. No. 10	27.70	18055	55465
Work Access Br. No. 10A	27.70	10A	—
Retaining Wall @ 42+270	25.93	18212	55480
Retaining Wall @ 44+700	27.44	18213	55482
Wakefield Creek Culvert	27.91	18057	55484
Austin Creek Culvert	28.58	18056	55487

* 4559, 4586, 4588-4591

NOTE: All stations and elevations are in meters. All other dimensions are in millimeters (mm) except as noted.

METRIC

△	DATE	REVISION	BY
	10-16-07	As Constructed	JAM

DRAFTED: Richard G. Olson — Richard G. Olson

CHECKED:

REVIEWED:

BRIDGE ENGINEER

REGISTERED PROFESSIONAL ENGINEER 6499 OREGON JULY 11, 1989 TERRY J. SHI K.E.

EXPIRES: 6/30/98

OREGON DEPARTMENT OF TRANSPORTATION
BRIDGE ENGINEERING SECTION

ACCOMPANIED BY DWGS. 55323-55489, BR145, BR200

BRIDGE NO. See Above

DATE 08-JUL-1997

CALC. BOOK *

LITTLE ELK CREEK BRIDGES
EDDYVILLE-CLINE HILL SECTION
CORVALLIS-NEWPORT HWY. (NO. 33)
LINCOLN COUNTY

GENERAL PLAN

FEDERAL HIGHWAY ADMINISTRATION		PROJECT NUMBER
REGION 10	OREGON DIVISION	

SHEET 1 OF 1

DRAWING NO. 55322

[VIEW=A1] [PGRID=A1] 08-JUL-1997

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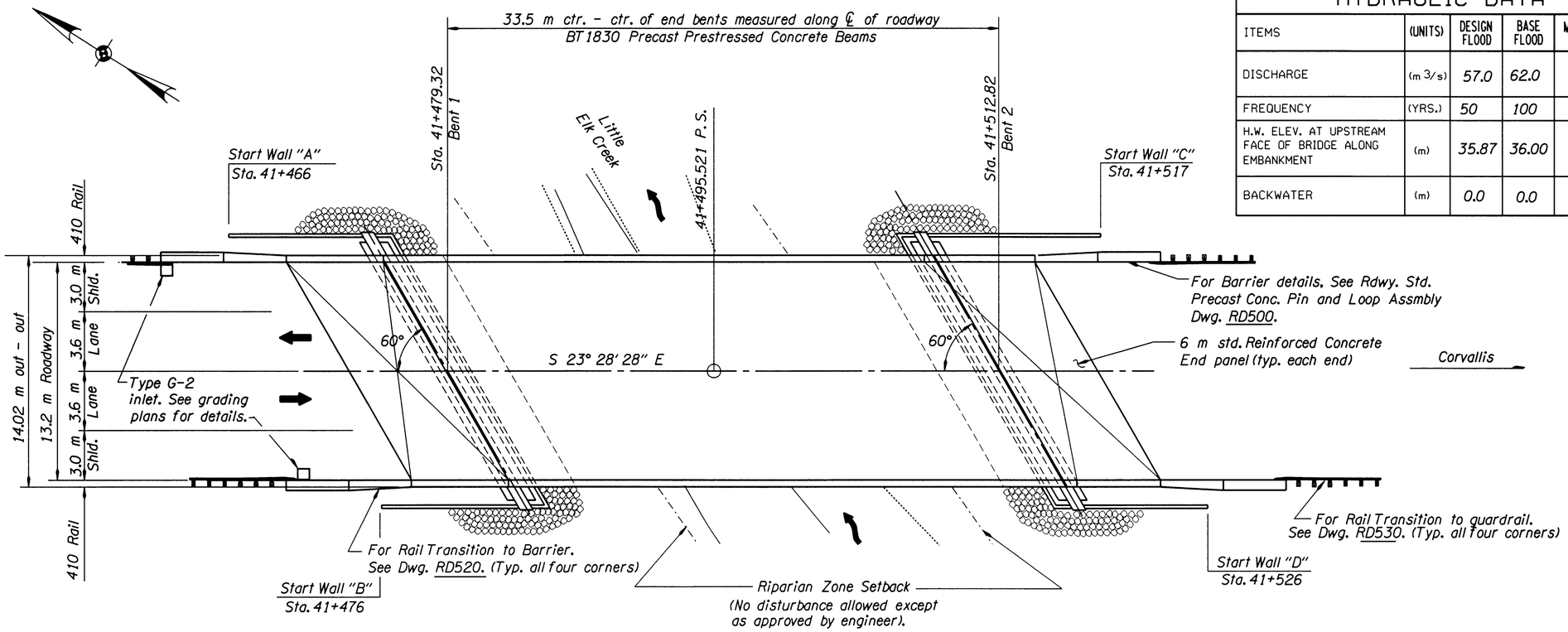
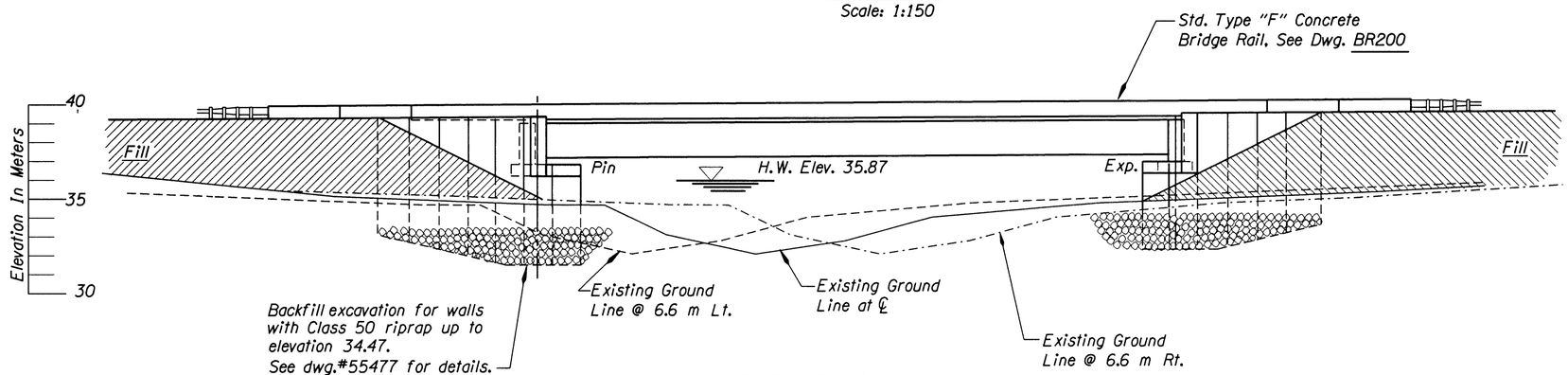


PLAN

Scale: 1:150



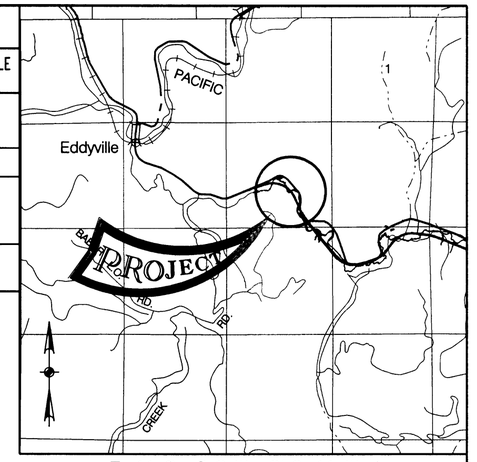
ELEVATION

Scale: 1:150

Note:
Elevations are based on the National Geodetic Vertical Datum (M.S.L. = 0.00)

HYDRAULIC DATA

ITEMS	(UNITS)	DESIGN FLOOD	BASE FLOOD	MAX. PROBABLE FLOOD
DISCHARGE	(m^3/s)	57.0	62.0	79.0
FREQUENCY	(YRS.)	50	100	500
H.W. ELEV. AT UPSTREAM FACE OF BRIDGE ALONG EMBANKMENT	(m)	35.87	36.00	36.33
BACKWATER	(m)	0.0	0.0	0.01



T. 11 S., R. 9 W., SEC. 11, W.M.

LOCATION MAP

No Scale

Notes: See dwg. 55369 for General Notes

NOTE: All stations and elevations are in meters. All other dimensions are in millimeters (mm) except as noted.

METRIC

△	DATE	REVISION	BY
	10-15-07	As Constructed	JAM

DRAFTED: Jeffrey Lannigan
CHECKED: Nowzar Ardalan
DESIGNED: Nam Bui

REVIEWED — REGISTERED PROFESSIONAL ENGINEER 14646 OREGON SEPT 20, 1985 WILLIAM HREE
EXPIRES: 6/30/99

BRIDGE ENGINEER — REGISTERED PROFESSIONAL ENGINEER 6499 OREGON MAY 11, 1993 TERRY J. SHIKE
EXPIRES: 6/30/98

OREGON DEPARTMENT OF TRANSPORTATION
BRIDGE ENGINEERING SECTION

ACCOMPANIED BY DWGS. 55369-55381, BR200, 55477-55479

BRIDGE NO. 18049
DATE 08-JUL-1997
CALC. BOOK 4590

LITTLE ELK CREEK BR. NO.4
EDDYVILLE - CLINE HILL SECTION
CORVALLIS-NEWPORT HWY. (NO. 33) (M.P. 25.44)
LINCOLN COUNTY
PLAN AND ELEVATION

FEDERAL HIGHWAY ADMINISTRATION | REGION 10 | OREGON DIVISION | PROJECT NUMBER

SHEET 1 OF 18
DRAWING NO. 55368

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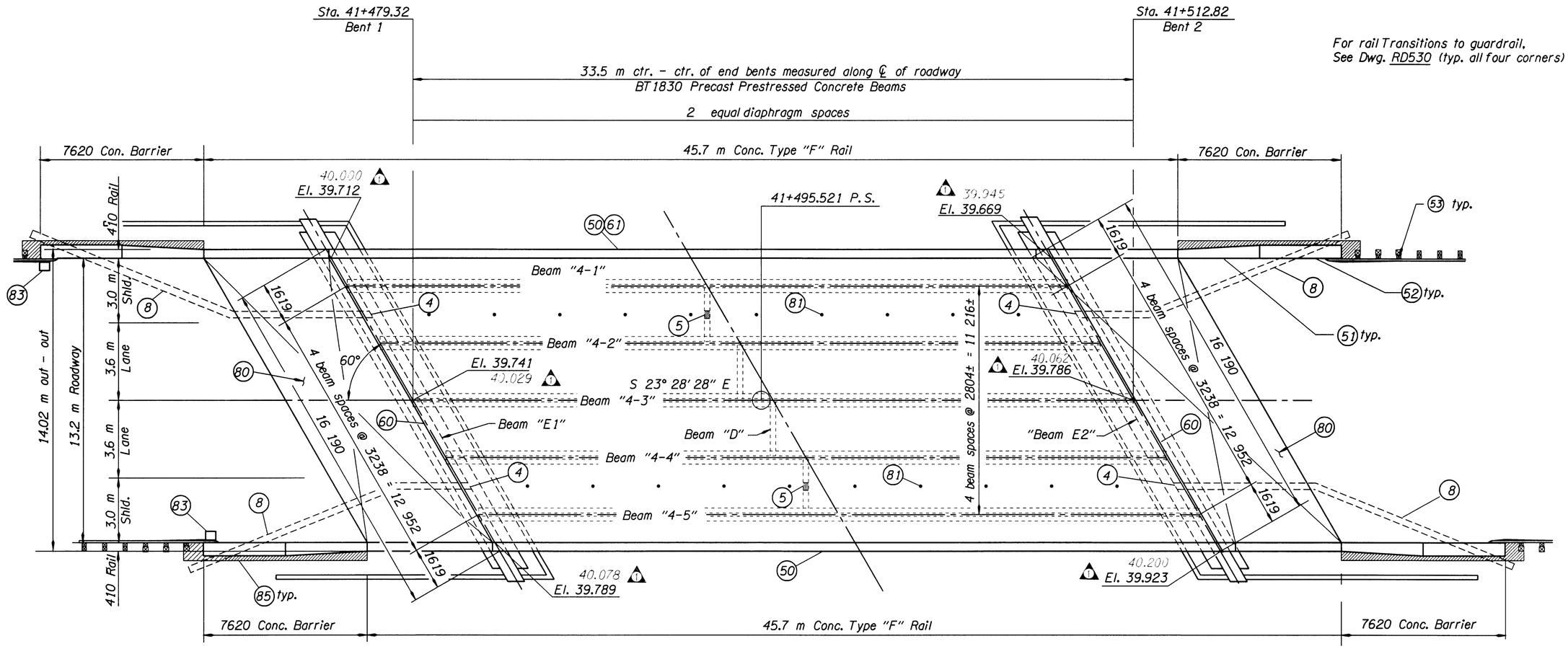


PLAN
Scale: 1:100

DETAIL REFERENCE NOTES

(4) 350 mm dia. utility hole through beam "E1" and "E2".

(5) 350 mm dia. utility hole through beam "D".

(8) Place 305 mm I.D. concrete culvert pipe or a 324 mm O.D. galv. smooth steel pipe (6.35 mm wall thickness) at each utility hole. Extend pipe from end beam (backwall) under Reinforced Concrete End Panel to the end of the adjacent MSE wall. Elbow pipe to Shoulder area as shown on Plan. Install pipe 50 mm into oversized formed hole in end beam (backwall) (hole to be 30 mm larger than pipe O.D.) Fill void around pipe with a compressible material after installation. Cap Pipe End.

(50) Standard Type "F" Concrete Bridge Rail, See Dwg. BR200.

(51) For Cast In Place Concrete Barrier Transition to Bridge Rail See Dwg. RD520. (Typ. all four corners)

(52) For Precast Concrete Barrier See Dwg. RD500. (Typ. all four corners)

(53) For Rail Connection to guardrail. See Dwg. RD530. (Typ. all four corners)

(60) Deck Rotational Joint, see dwg. 55479 for details.

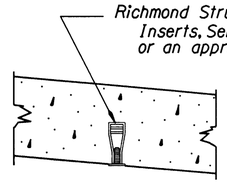
(61) Place 6 mm preformed expansion joint material thru. concrete at 4.6 m max. ctrs. See Dwg. BR200 for details.

(80) 6.1 m Reinforced Concrete End Panel (typ. ea. end) see dwg. 55479 for details.

(81) Place Richmond structural concrete inserts EC-2W or an approved equal for M19 bolts in bottom of deck at 3.0 m max. ctrs. over each utility hole (inserts shall be hot dipped galvanized).

(83) Type G-2 inlet, see dwg. RD336. for pipe installation detail, see grading plans.

(85) Paved surface. See Shoulder Barrier Detail Dwg. 55477



(81) PIPE HANGER DETAIL
No Scale

NOTE: All stations and elevations are in meters. All other dimensions are in millimeters (mm) except as noted.

METRIC

	DATE	REVISION	BY
1	10-16-07	As Constructed	JAM

DRAFTED: Jeffrey Lannigan
CHECKED: Nowzar Ardalan
DESIGNED: Nam Bui

REVIEWED
REGISTERED PROFESSIONAL ENGINEER 14646 OREGON SEPT. 20, 1989 YIN-LIN HWE
EXPIRES: 6/30/99

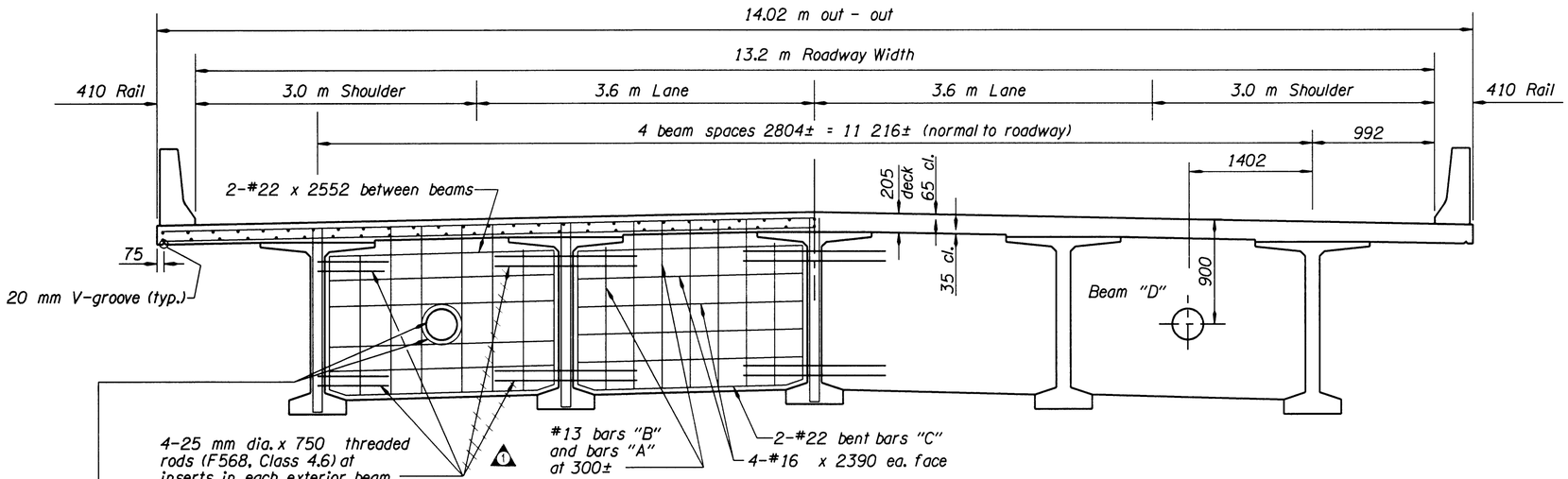
OREGON DEPARTMENT OF TRANSPORTATION
BRIDGE ENGINEERING SECTION

BRIDGE NO. 18049
DATE 08-JUL-1997
CALC. BOOK 4590

LITTLE ELK CREEK BRIDGE NO. 4

DECK PLAN

SHEET 5 OF 18
DRAWING NO. 55372



TYPICAL DECK SECTION

Scale 1:30

DECK STEEL

Longitudinal bars:

54-#16 x cont. @ 300 mm max. (Top of deck) epoxy coated in Area "A".
108-#16 x cont. @ 150 mm max. (Top of deck) epoxy coated in Area "B".
48-#16 x cont. @ 300 mm max. (bottom of deck) in Area "A".
96-#16 x cont. @ 300 mm max. (bottom of deck) in Area "B".
Place all longitudinal bars parallel to ℄ Roadway.

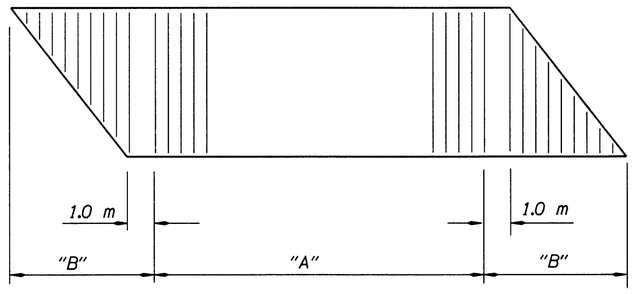
Transverse bars:

#16 bars x cont. @ 300 mm max. full length of structure (top and bottom) Top bars epoxy coated in Area "A".

#16 bars x cont. @ 150 mm max. full length of structure (top and bottom) Top bars epoxy coated in Area "B".

See Deck Steel Placement Diagram.

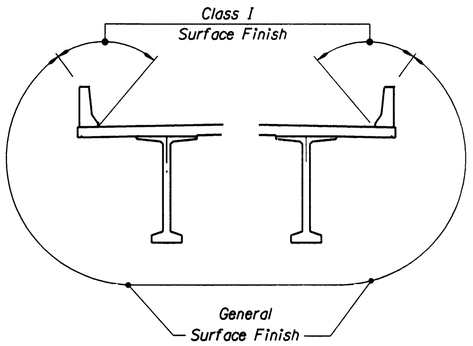
Stop all transverse bars 150 mm clear of transverse beams.



DECK STEEL PLACEMENT DIAGRAM

No scale

NOTE: All stations and elevations are in meters. All other dimensions are in millimeters (mm) except as noted.



CONCRETE FINISH DIAGRAMS

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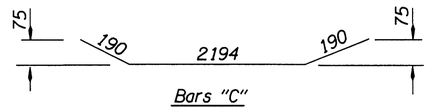
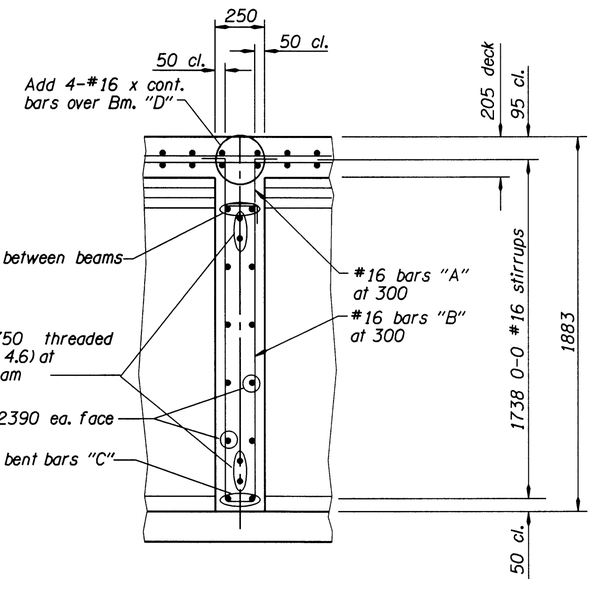
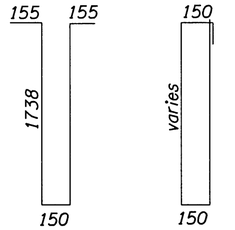


Bars "C"



TYPICAL BEAM "D"

Scale 1:15



	DATE	REVISION	BY
1	10-16-07	As Constructed	JAM

DRAFTED: Jeffrey Lanigan
CHECKED: Nowzar Ardalan
DESIGNED: Nam Bui

REVIEWED
REGISTERED PROFESSIONAL ENGINEER 14646 OREGON SEPT. 20, 1985 WIN-LIN HSIE
EXPIRES: 6/30/99

OREGON DEPARTMENT OF TRANSPORTATION
BRIDGE ENGINEERING SECTION

BRIDGE NO. 18049
DATE 08-JUL-1997
CALC. BOOK 4590

LITTLE ELK CREEK BRIDGE NO. 4

TYPICAL DECK SECTION

METRIC

SHEET 6 OF 18
DRAWING NO. 55373

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