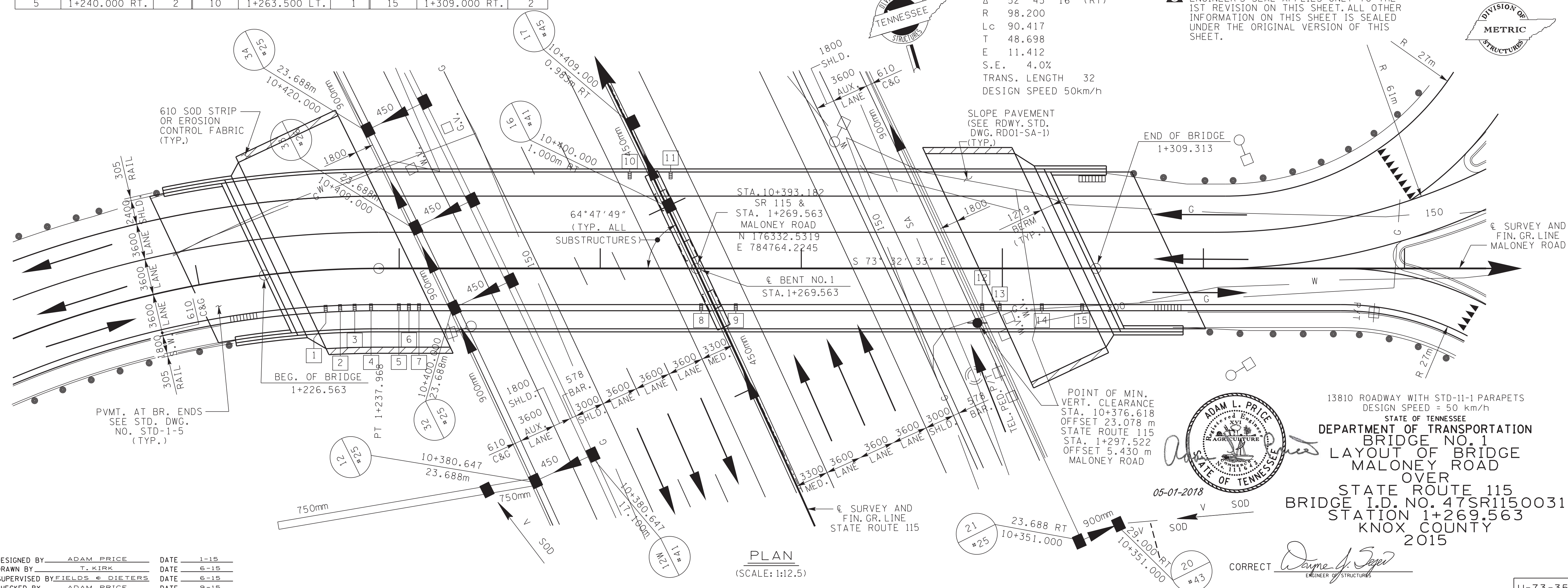


BRIDGE DECK GRATE DRAIN LOCATIONS								
NUMBER	STATION	TYPE	NUMBER	STATION	TYPE	NUMBER	STATION	TYPE
1	1+232.000 RT.	2	6	1+241.500 RT.	2	11	1+266.500 LT.	1
2	1+234.500 RT.	2	7	1+243.000 RT.	2	12	1+298.500 RT.	2
3	1+236.500 RT.	2	8	1+270.000 RT.	2	13	1+300.000 RT.	2
4	1+238.500 RT.	2	9	1+273.000 RT.	2	14	1+304.500 RT.	2
5	1+240.000 RT.	2	10	1+263.500 LT.	1	15	1+309.000 RT.	2

 ELEVATION
(AT RT. ΔS TO & SURVEY MALONEY ROAD)
(SCALE: 1:12.5)

CURVE DATA	
MALONEY ROAD	
PI	1+196.250
N	176,355.2795
E	784,687.2208
Δ	52° 45' 16" (RT)
R	98.200
LC	90.417
T	48.698
E	11.412
S.E.	4.0%
TRANS. LENGTH	32
DESIGN SPEED	50km/h

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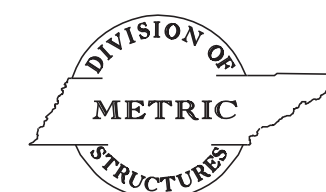
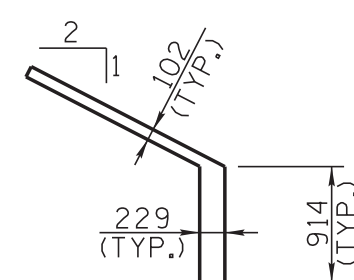
DESIGNED BY ADAM PRICE DATE 1-15
DRAWN BY T. KIRK DATE 6-15
SUPERVISED BY FIELDS & DIETERS DATE 6-15
CHECKED BY ADAM PRICE DATE 9-15

CORRECT Wayne J. S.
ENGINEER OF STRUCTURE

<u>LIST OF STANDARD DRAWINGS</u>	<u>DWG. NO.</u>	<u>LAST REV. DATE</u>
SLIDER PLATES AND DECK DRAINS	STD-1-2	3-28-08
PAVEMENT AT BRIDGE ENDS	STD-1-5	3-26-14
BRIDGE END DRAIN DETAILS WITH PAVEMENT AT BRIDGE ENDS	STD-1-6	4-28-97
BRIDGE END DRAIN DETAILS WITH PAVEMENT AT BRIDGE ENDS	STD-1-7	8-24-11
BRIDGE END DRAIN DETAILS - 0" x 8'-7" WITH PAVEMENT AT BRIDGE ENDS	STD-1-8	5-01-95
STANDARD PILE DETAILS	STD-5-1	10-25-93
STANDARD PILE DETAILS	STD-5-2	5-01-14
STANDARD SEISMIC DETAILS	STD-6-2	11-07-94
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS	STD-10-1	4-08-05
BRIDGE RAILING WITH STRUCTURAL TUBING	STD-11-1	5-01-14
SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION	RD01-SA-1	10-15-02

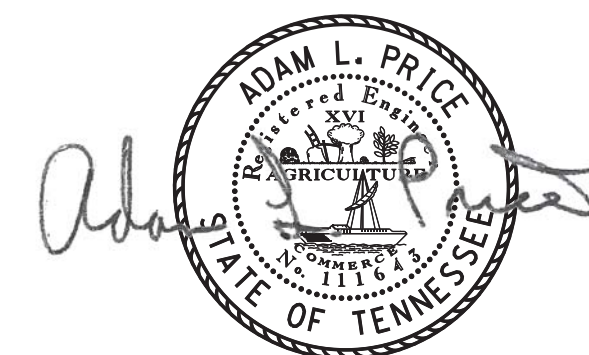
[illegible]

PAVE SLOPES AND EXPOSED EARTH UNDER BRIDGES WITH 102MM THICK CEMENT CONCRETE SLAB REINFORCED WITH 6MM GAGE WIRE FABRIC @ 152MM CENTERS AND 283.2 KG. PER 100M². THE WIRE FABRIC REINFORCEMENT SHALL BE PLACED AT ONE-HALF THE DEPTH OF THE SLAB AND EXTEND TO WITHIN 76MM OF ITS EDGE WITH A 305MM LAP REQ'D. ON ALL SHEETS. THE COST OF THE WIRE FABRIC REINFORCEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 709-04, REINFORCED CONCRETE SLOPE PAVEMENT, 13 MILLIMETER PREMOULDED EXPANSION JOINTS WITHOUT LOAD TRANSFERS SHALL BE FORMED ABOUT ALL STRUCTURES AND FEATURES PROJECTED THROUGH, IN OR AGAINST THE SLAB. THE SLAB SHALL BE PROJECTED PARALLEL WITH AND AT RIGHT ANGLES TO THE UNDER ROADWAY CENTER LINE @ 1828MM CENTERS. DEPTH OF GROOVE TO BE NOT LESS THAN 25MM. (SEE STD. DWG. RD01-SA-1 FOR LIMITS OF SLOPE PROTECTION).



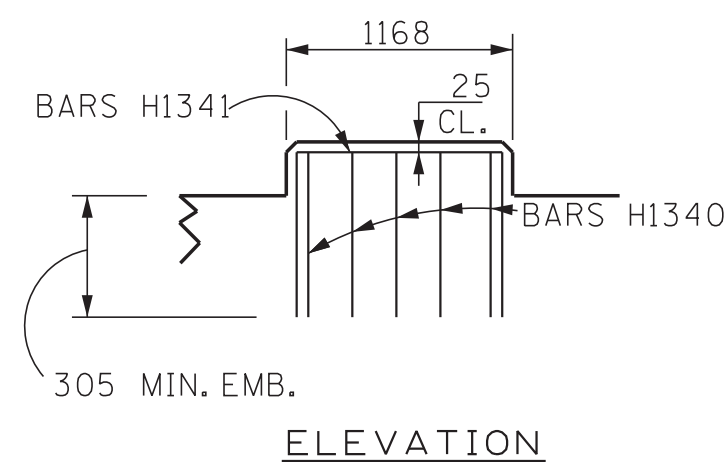
NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS,
WITH THE EXCEPTION OF STATIONS AND
ELEVATIONS, UNLESS OTHERWISE NOTED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
LAYOUT OF BRIDGE
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

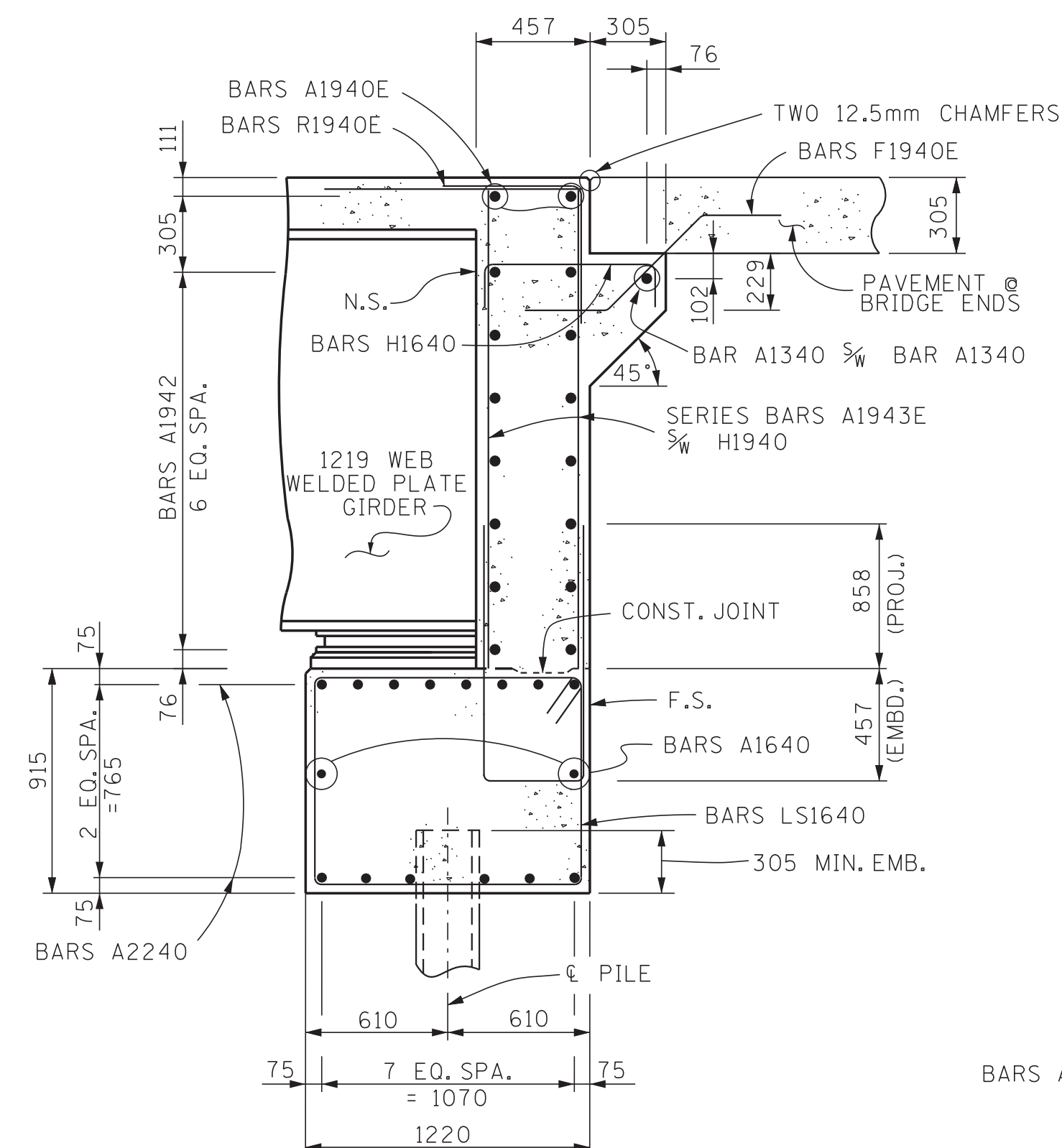
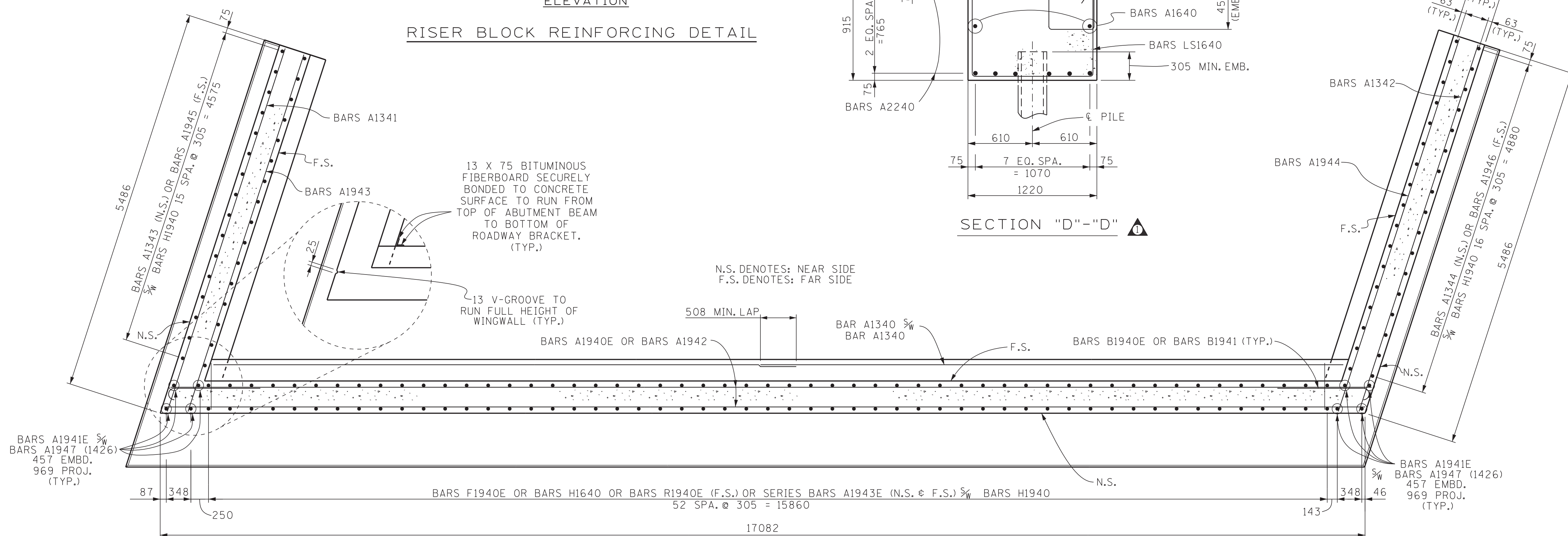


CORRECT


 ENGINEER OF STRUCTURES

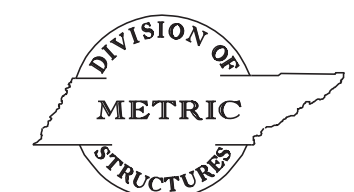
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RISER BLOCK REINFORCING DETAIL

SECTION "D"-"D" 

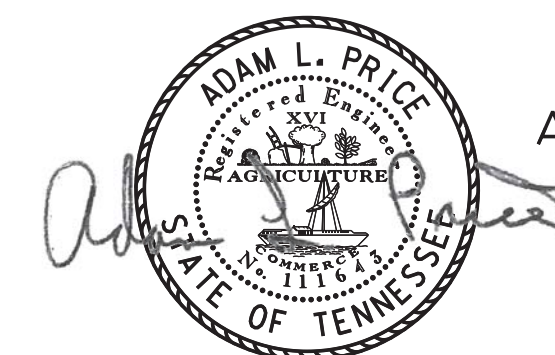
SECTION "C"-"C"

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ELEVATIONS, UNLESS OTHERWISE NOTED.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
ABUTMENT NO. 1 DETAILS
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

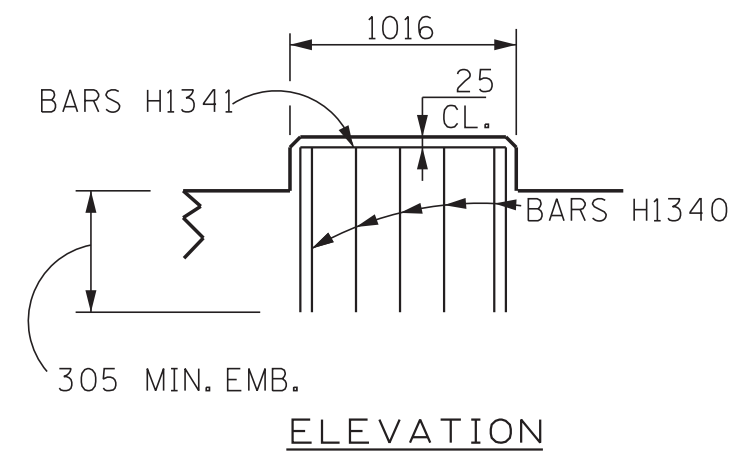
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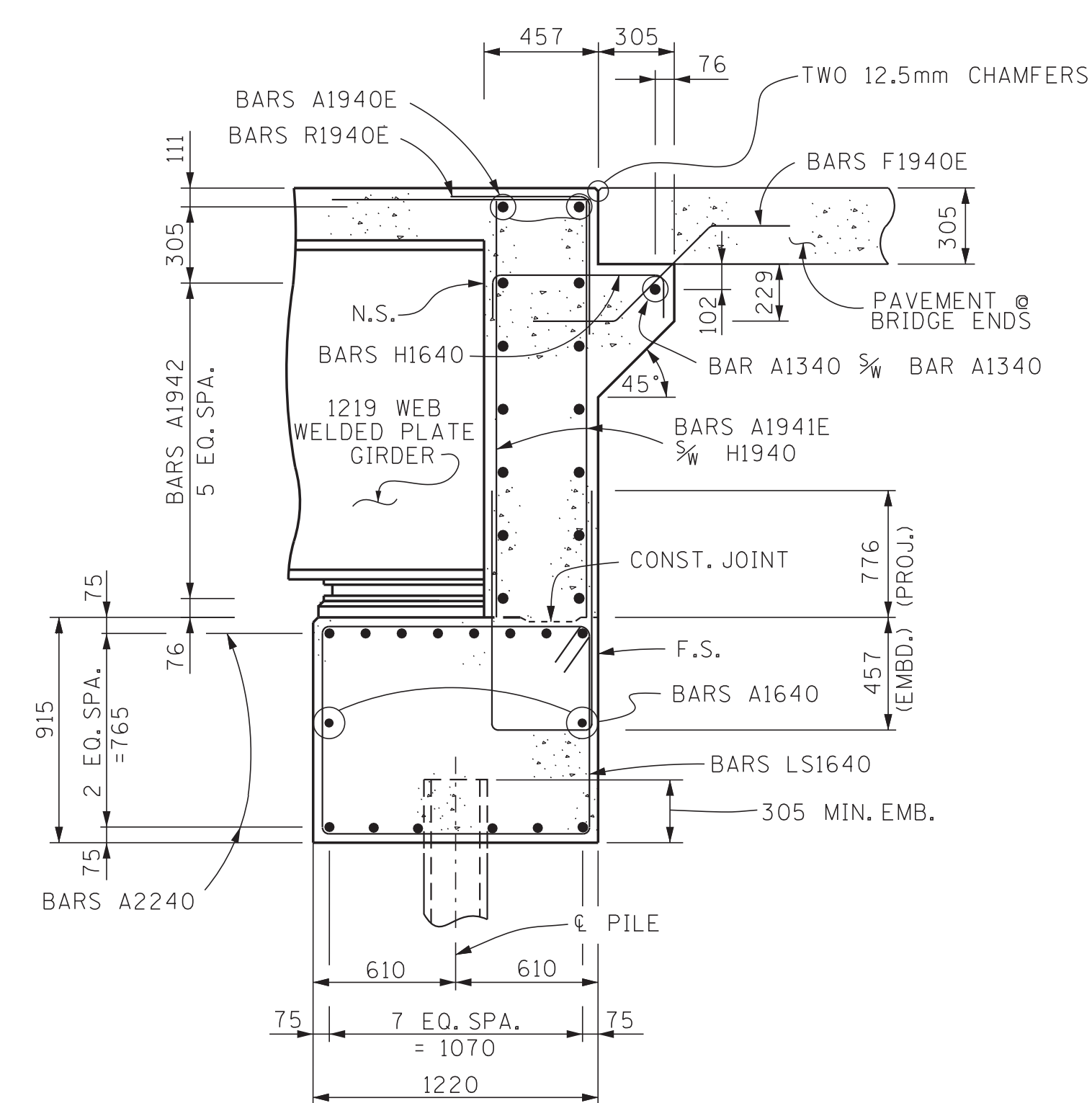
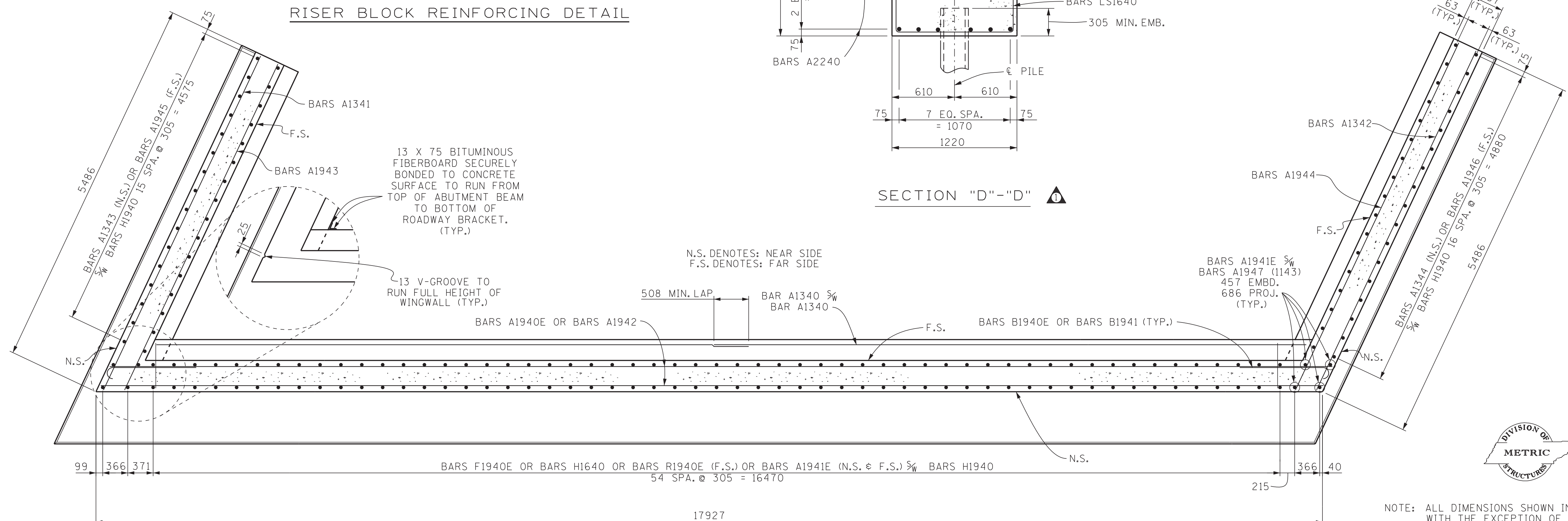
05-01-2018

CORRECT

Jaime J. Seyer
ENGINEER OF STRUCTURES

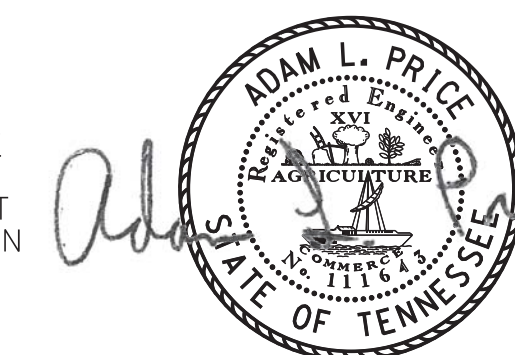
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RISER BLOCK REINFORCING DETAIL

SECTION "D"-"D" 

SECTION "C"-"C"

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05-01-2018

CORRECT


 ENGINEER OF STRUCTURES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
ABUTMENT NO. 2 DETAILS
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

DESIGNED BY ADAM PRICE DATE 12-14
DRAWN BY CHRIS STAPLER DATE 06-15
SUPERVISED BY C.M.D./J.W.F. DATE 06-15
CHECKED BY ADAM PRICE DATE 09-15

ELEVATION
(LOOKING FORWARD ON SURVEY)

ELEVATION

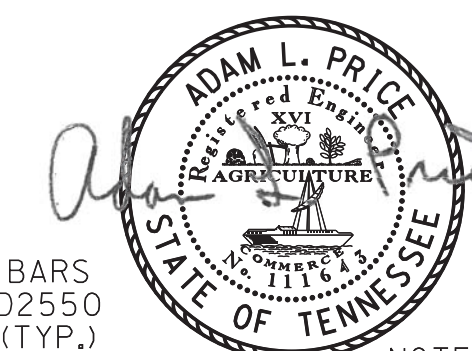
RISER BLOCK REINFORCING

END ELEVATION

ESTIMATED QUANTITIES	
CLASS "A" CONCRETE (BRIDGES) M3	REINFORCING STEEL (BRIDGES) KG.
144	17699

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SHEET.

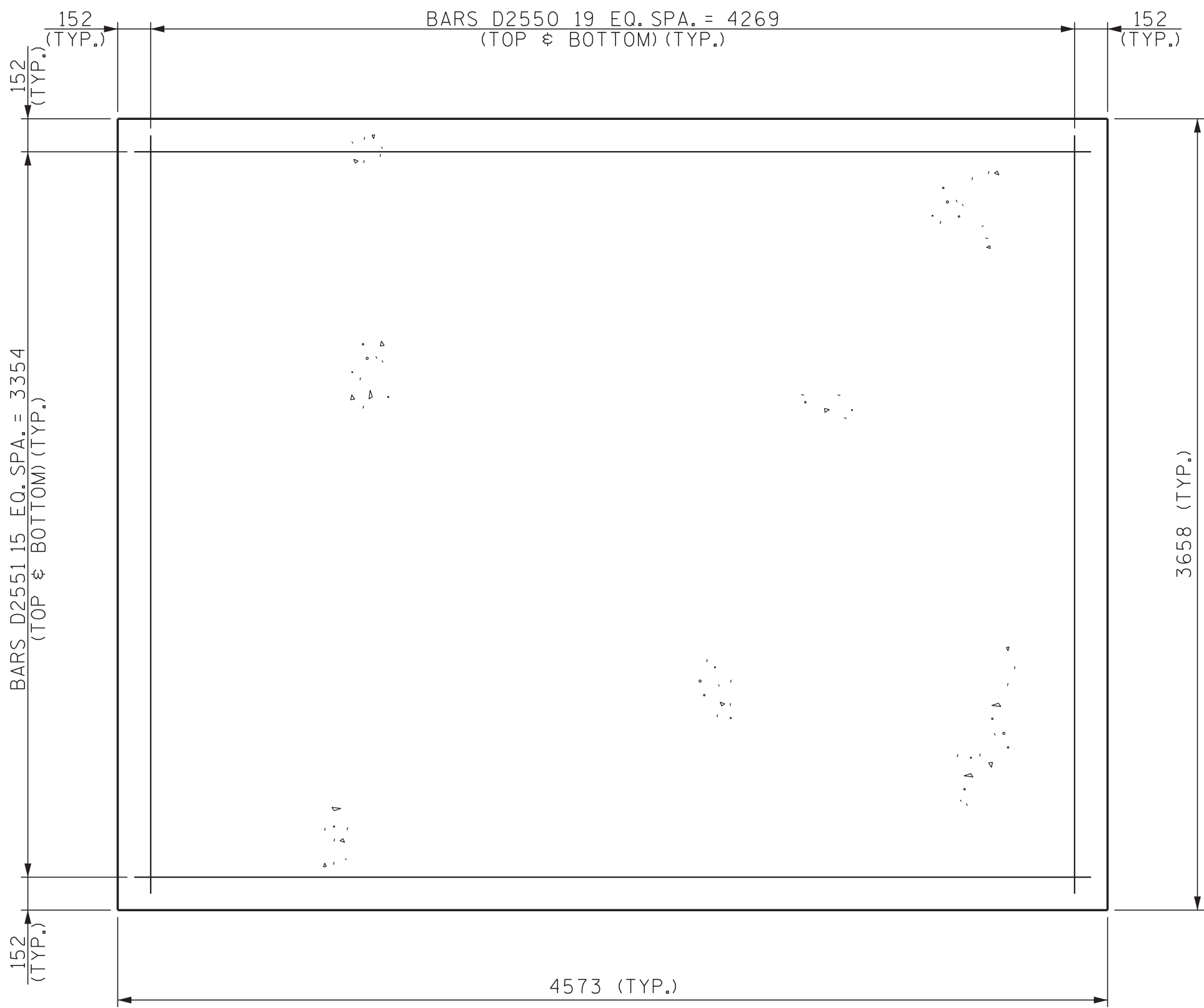
☒ DENOTES: DIMENSION INCLUDES 38MM OF ASHLAR STONE FINISH ON EACH SIDE.
 NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. BOLT PROJECTION 254.
 NOTE: RISER BLOCKS TO BE POURED MONOLITHICALLY WITH CAP BEAM.
 NOTE: RISER BLOCK BEARING PAD SURFACE SHALL BE LEVEL.
 NOTE: COLUMN STEEL TO EXTEND 1372 INTO CAP BEAM.



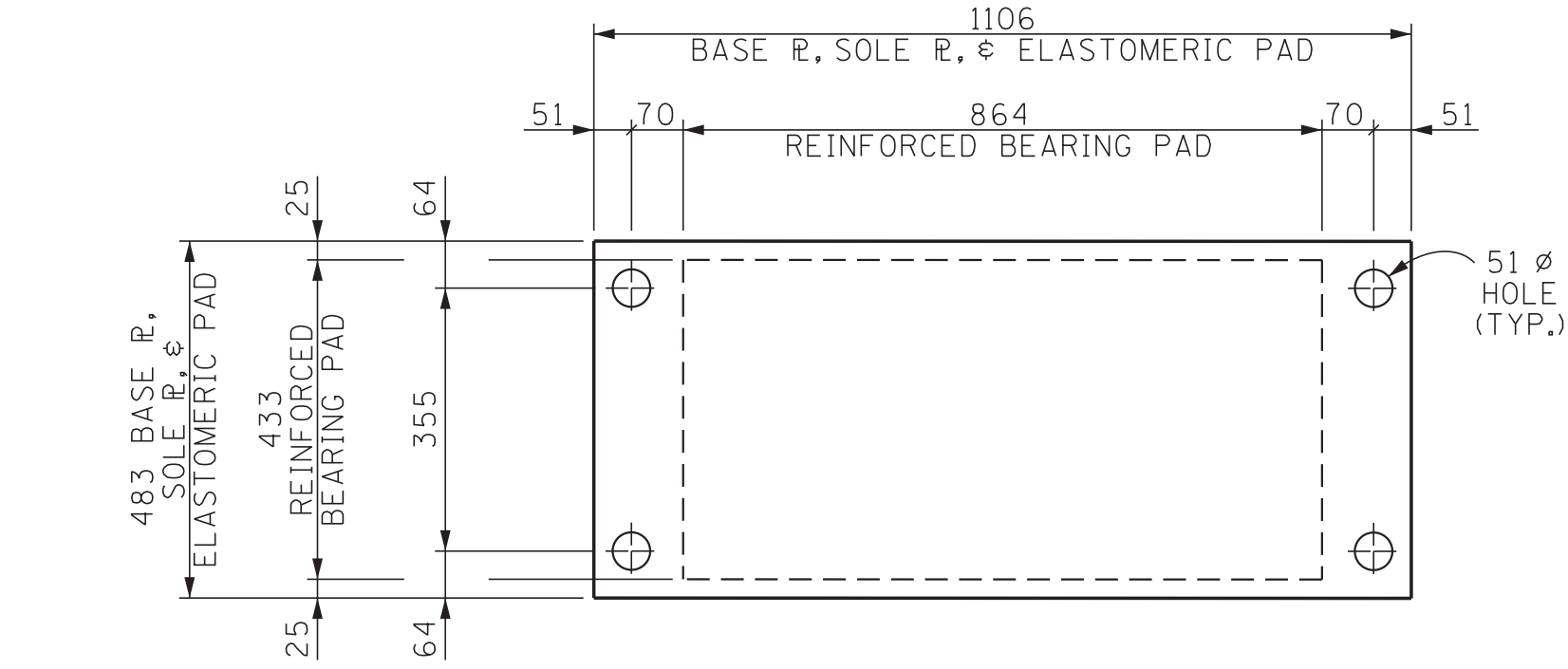
NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS,
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
BENT NO. 1
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

CORRECT Wayne J. Seger
ENGINEER OF STRUCTURES

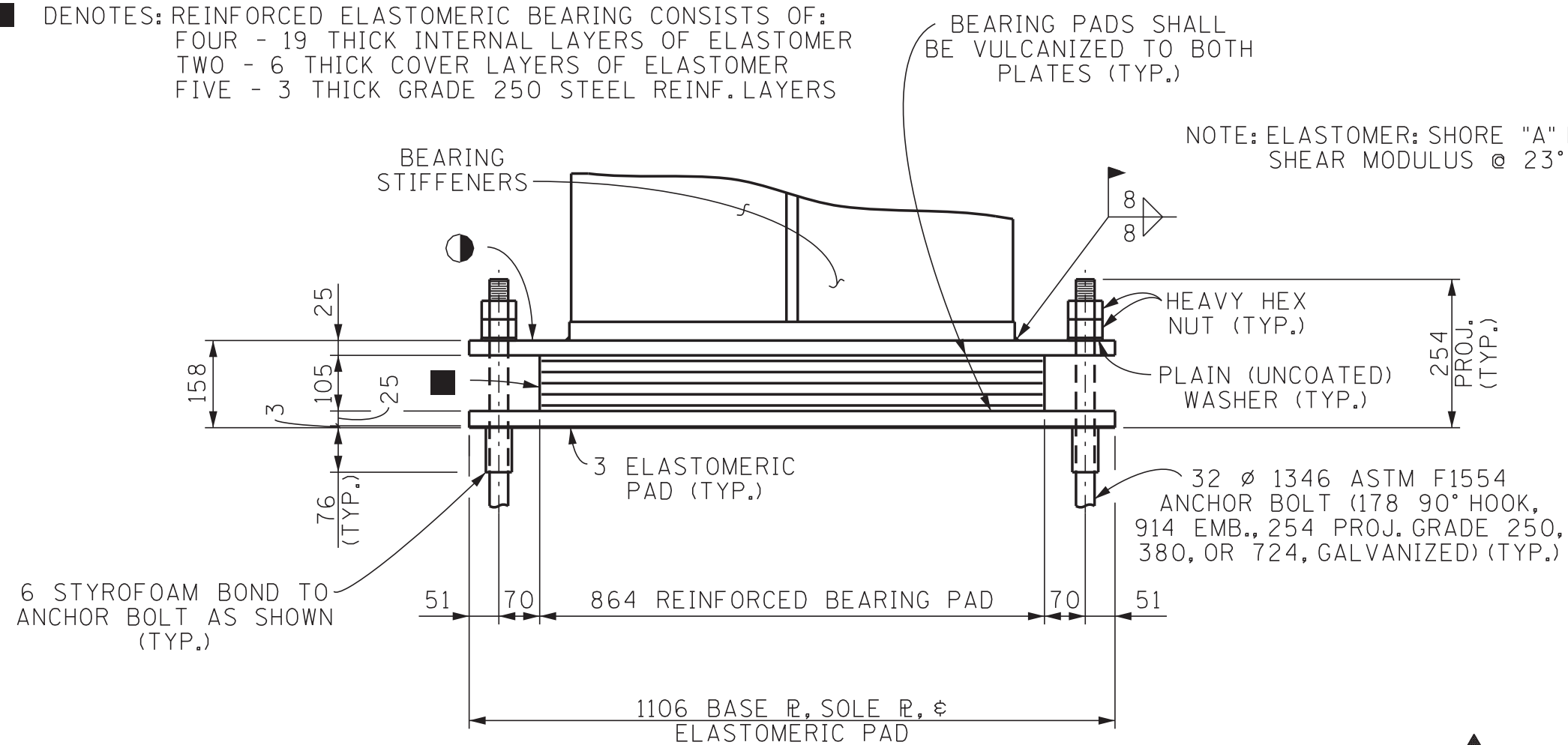


PLAN OF FOOTING



PLAN

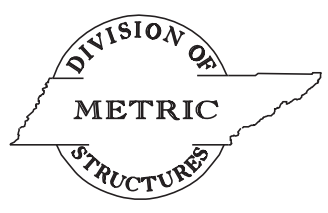
- DENOTES: 25 X 483 X 1106 SOLE PLATE
- DENOTES: REINFORCED ELASTOMERIC BEARING CONSISTS OF:
FOUR - 19 THICK INTERNAL LAYERS OF ELASTOMER
TWO - 6 THICK COVER LAYERS OF ELASTOMER
FIVE - 3 THICK GRADE 250 STEEL REINF. LAYERS



ELEVATION

NOTE: USE ASTM A709M GRADE 345 STEEL UNLESS OTHERWISE NOTED.
NOTE: ANCHOR BOLTS SHALL BE GALVANIZED ACCORDING TO ASTM F2329 OR MECHANICALLY GALVANIZED TO ASTM B695.
NOTE: ALL EXPOSED SURFACES OF ASSEMBLED BEARING DEVICES TO BE PAINTED UTILIZING THE FOLLOWING PAINT: INORGANIC ZINC WITH URETHANE FINISH BROWN TOP COAT CONFORMING TO FEDERAL STANDARDS 595C (30059).

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
BENT NO. 1 DETAILS
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

05-01-2018
CORRECT

ADAM L. PRICE
STATE OF TENNESSEE
ENGINEER OF STRUCTURES

DESIGNED BY: ADAM PRICE DATE: 1-15
DRAWN BY: T. KIRK DATE: 6-15
SUPERVISED BY: FIELDS & DIETERS DATE: 6-15
CHECKED BY: ADAM PRICE DATE: 9-15

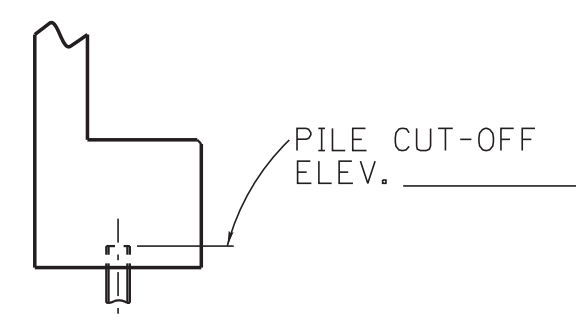
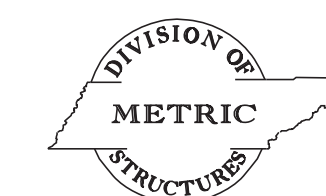


Diagram illustrating the cross-section of a footing. The footing is shown resting on a foundation. The top surface of the footing is labeled "FINAL TOP OF FOOTING ELEVATION". The footing is divided into three sections: "FOOTING 'A'", "FOOTING 'B'", and "FOOTING 'C'".

Diagram illustrating the pile cut-off elevation. The ground level is indicated by a horizontal line. The pile is shown as a vertical line extending below the ground level. The cut-off elevation is marked by a horizontal line on the pile, labeled "PILE CUT-OFF ELEV." with an arrow pointing to the cut-off point.

NOTE: TO CONTRACTOR AND CONSTRUCTION OFFICE:
THE BLANKS ON THIS SHEET ARE TO BE FILLED IN BY
THE CONSTRUCTION OFFICE AND/OR FIELD ENGINEER
GIVING AS-BUILT CONDITIONS. AFTER COMPLETION
IT IS TO BE SENT TO THE DIVISION OF STRUCTURES TO
BECOME PART OF FINAL BRIDGE DOCUMENTS.

[illegible]

NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS,
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE NO. 1
FINAL FOUNDATION DATA
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015

DESIGNED BY ADAM PRICE DATE 1-15
DRAWN BY T. KIRK DATE 6-15
SUPERVISED BY FIELDS & DIETERS DATE 6-15
CHECKED BY ADAM PRICE DATE 9-15

CORRECT Dayne J. Seger
ENGINEER OF STRUCTURES

BILL OF STEEL

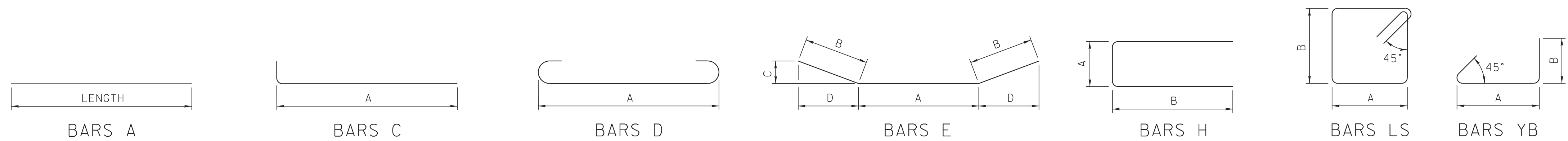
[illegible]

NOTE: BAR NUMBERS ARE REPEATED ON BILL OF STEEL FOR EACH SUBSTRUCTURE. THE SUPPLIER SHALL SHIP THE BARS TO THE JOB SITE WITH THE SUBSTRUCTURE DESIGNATION INCLUDED AS PART OF THE LABEL.

[illegible][illegible][illegible]

CONST. NO. 47026-3279-14

PROJECT NO.		YEAR		SHEET NO.	
NH-115(54)		2015			
REVISIONS					
NO.	DATE	BY	BRIEF DESCRIPTION		
1.	5-1-18	ALP	REV. BENT 1 REINFORCEMENT, ADDED NOTE		



REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	16	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE
TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK
DETAILS SHALL APPLY, EXCEPT AS NOTED.

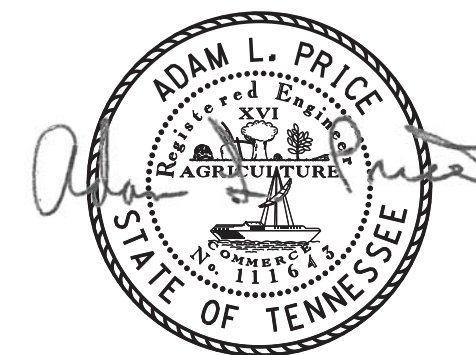
NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES
EPOXY COATED REINFORCEMENT.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 1
BILL OF STEEL
MALONEY ROAD
OVER
STATE ROUTE 115
STATION 1+269.563
KNOX COUNTY
2015



05-01-2018

CORRECT

Dayne J. Seger
ENGINEER OF STRUCTURES

DESIGNED BY ADAM PRICE DATE 12-14
DRAWN BY CHRIS STAPLER DATE 09-15
SUPERVISED BY C.M.D./BIRDWELL DATE 09-15
CHECKED BY ADAM PRICE DATE 09-15

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