

AASHTO T-3 TRIAL DESIGN BRIDGE DESCRIPTION

State: Washington

Trial Design Designation: WA-2

Bridge Name: I-5/SR502 Interchange

Superstructure Type: Continuous prestressed precast girders (W83G) composite with reinforced concrete deck

Span Length(s): Five spans @ 180.0ft. each

Substructure Type: Two 6.0ft. dia. reinforced concrete columns per bent integral with superstructure

Foundation: Abutments 2.0ft. reinforced concrete piles with steel casing and at bents 10.0ft. dia. shafts

Abutments: Seat type cantilevered from pile supported footing

Seismic Design Category (SDC): _____

Seismic Design Strategy (Type 1, 2 or 3): _____

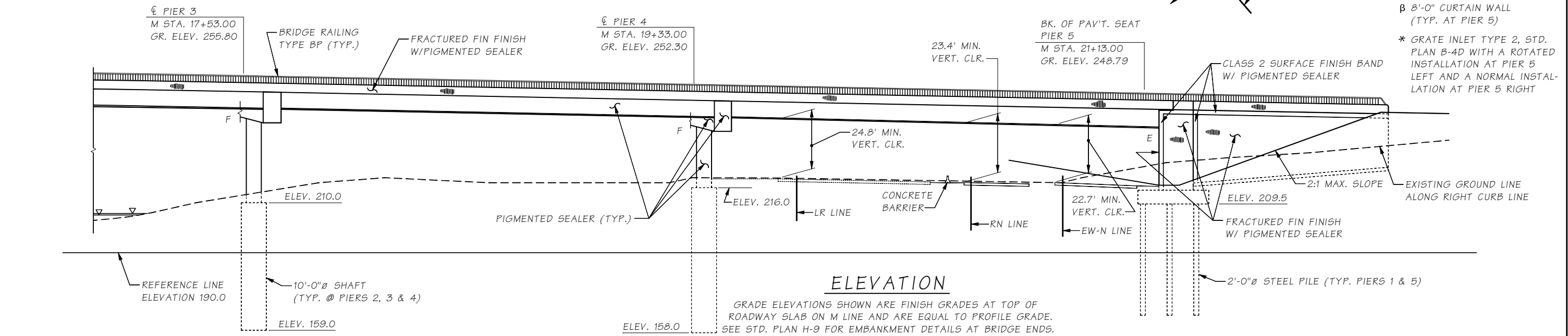
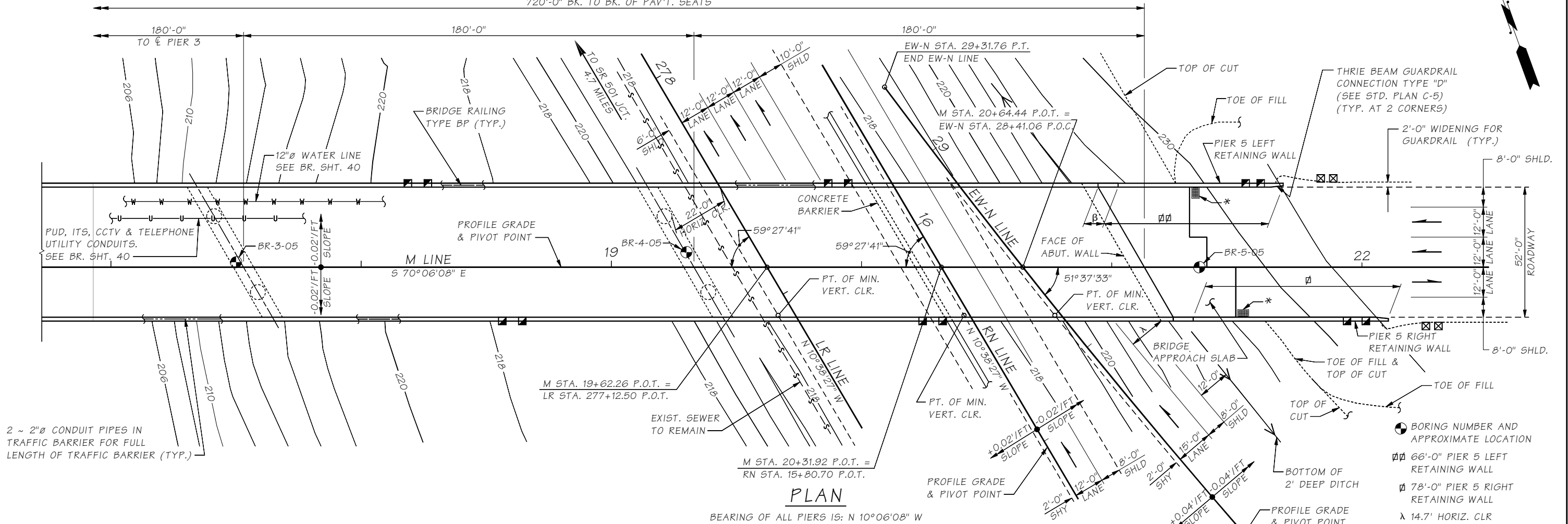
Design Spectral Acceleration at 1-second Period (S_{D1}): _____

Additional Description (Optional): Seismic design is currently in process

SEC. 34, T.4N., R.1E., W.M.
CLARK COUNTY

1-5

720'-0" BK. TO BK. OF PAV'T. SEATS



- BORING NUMBER AND APPROXIMATE LOCATION
- ∅ 66'-0" PIER 5 LEFT RETAINING WALL
- ∅ 78'-0" PIER 5 RIGHT RETAINING WALL
- λ 14.7' HORIZ. CLR
- β 8'-0" CURTAIN WALL (TYP. AT PIER 5)
- * GRATE INLET TYPE 2, STD. PLAN B-4D WITH A ROTATED INSTALLATION AT PIER 5 LEFT AND A NORMAL INSTALLATION AT PIER 5 RIGHT

SR 5 JOB NO. 7416 SHEET 2

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\LAYOUT 2.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B			10	WASH.			
Designed By	Lee, CS							
Checked By								
Detailed By	Foote, N.							
Bridge Projects Engr.	Kirker, KN	04/05						
Prelim. Plan By	wei, J	04/05						
Architect/Specialist	PDK/BK	04/05	DATE	REVISION	BY	APPD		

BRIDGE AND STRUCTURES OFFICE  	I-5 I-5 / SR 502 INTERCHANGE SR 502 OVER I-5 BRIDGE NO. 502/1	BRIDGE SHEET NO. 2
	LAYOUT 2 - PIERS 3 TO 5	

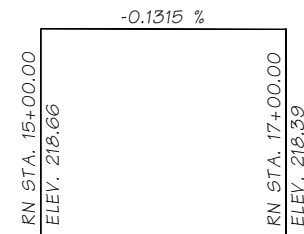
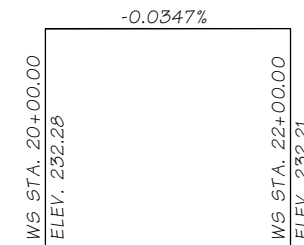
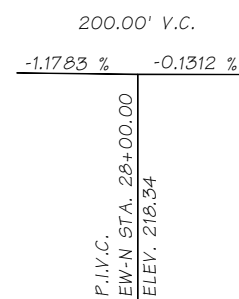
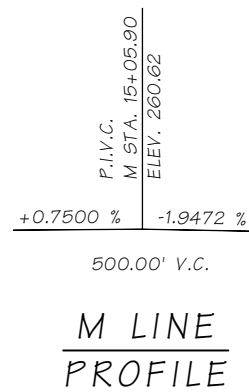
C.S. 0602 ~ PROJ. NO. XL 2113 ~ SOUTHWEST REGION ~ I-5 ~ SR 502 INTERCHANGE ~ SR 502 OVER I-5 BRIDGE NO. 502/1

CURVE DATA					
P.I. STATION	Δ	RADIUS	TANGENT	LENGTH	BK. TANGENT BRG.
WS STA. 21+58.54	5°19'50" RT.	7699.44'	358.42'	716.32'	N 15°07'27" W
LL STA. 285+78.44	13°29'22" RT.	7639.44'	903.48'	1798.60'	N 15°07'27" W
EW-N STA. 26+76.55	9°46'24" RT.	3000.00'	256.49'	511.73'	N 26°31'00" W

I-5 EXISTING ELEVATIONS

LL LINE STATIONING	OFFSET	ELEVATION
279+40	+9.4'	231.74
	0.0'	232.20
	-20.0'	232.80
	-40.0'	233.04
	-50.0'	232.75
279+60	+9.3'	231.74
	0.0'	232.19
	-20.0'	232.77
	-40.0'	233.00
	-50.0'	232.66
279+80	+9.1'	231.72
	0.0'	232.17
	-20.0'	232.70
	-40.0'	232.97
	-48.9'	232.72
280+00	+8.9'	231.72
	0.0'	232.08
	-20.0'	232.66
	-40.0'	232.95
	-48.94'	232.68
280+20	+9.0'	231.72
	0.0'	232.07
	-20.0'	232.63
	-40.0'	232.91
	-49.0'	232.62

LR LINE STATIONING	OFFSET	ELEVATION
276+80	-9.0'	218.20
	-3.4'	218.94
	0.0'	218.99
	+20.0'	219.12
	+40.0'	218.83
277+00	-8.9'	218.22
	-3.4'	218.98
	0.0'	219.01
	+20.0'	219.09
	+40.0'	218.78
277+20	-8.6'	218.22
	-3.4'	218.98
	0.0'	219.00
	+20.0'	219.05
	+40.0'	218.74
277+40	-8.4'	218.22
	-3.4'	218.90
	0.0'	218.94
	+20.0'	219.03
	+40.0'	218.70
277+60	-8.1'	218.20
	-3.5'	218.82
	0.0'	218.87
	+20.0'	219.02
	+40.0'	218.66



GENERAL NOTES

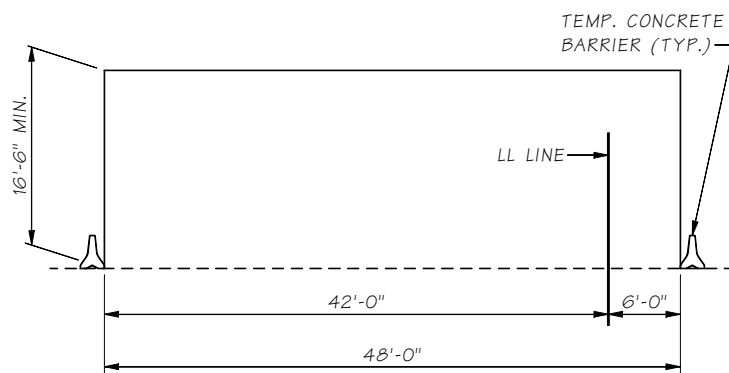
- ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED 2006, AND AMENDMENTS.
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS THIRD EDITION DATED 2004 AND INTERIMS THROUGH 2005. SEISMIC DESIGN OF THIS STRUCTURE HAS BEEN COMPLETED USING AN ACCELERATION COEFFICIENT OF 0.20 AND SOIL PROFILE TYPE IV.
- DRILLED SHAFTS HAVE BEEN DESIGNED FOR THE FOLLOWING NOMINAL SIDE RESISTANCE AND NOMINAL TIP RESISTANCE FOR THE SERVICE LIMIT STATE.

PIER	NOMINAL SIDE RESISTANCE (R _s)	NOMINAL TIP RESISTANCE (R _p)
2	2360 KIPS	1200 KIPS
3	1840 KIPS	1200 KIPS
4	2360 KIPS	1200 KIPS

- PILES SHALL BE DRIVEN TO THE ULTIMATE BEARING CAPACITY (NOMINAL DRIVING RESISTANCE)

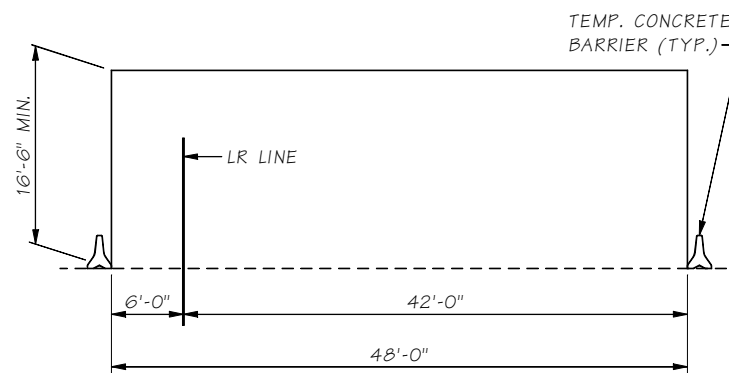
PIER	ULTIMATE BEARING CAPACITY (NOMINAL DRIVING RESISTANCE, R _{ndr})
1	360 TONS
5	360 TONS

- THE CONCRETE IN THE ROADWAY DECK AND STAGE 3 INTERMEDIATE PIER DIAPHRAGM SHALL BE CLASS 4000D. THE CONCRETE IN THE SHAFTS SHALL BE CLASS 4000P. ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
- THE BACKFILL BEHIND THE ABUTMENTS MAY BE PLACED PRIOR TO PLACEMENT OF THE SUPERSTRUCTURE.
- UNLESS OTHERWISE SHOWN IN THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2 1/2" AT THE TOP OF THE ROADWAY SLAB, 1" AT THE BOTTOM OF THE ROADWAY SLAB, 3" AT THE BOTTOM OF FOOTINGS, 2" AT THE TOP OF FOOTINGS AND 1 1/2" AT ALL OTHER LOCATIONS. THE CONTRACTOR SHALL INCREASE CONCRETE AS NECESSARY TO ACCOMMODATE THE ARCHITECTURAL FEATURES.
- THE WATER LINE, CONDUIT & JUNCTION BOXES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE ELECTRICAL, I.T.S. AND OTHER CIVIL PLANS.
- FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE.



CONSTRUCTION OPENING

I-5 SOUTHBOUND



CONSTRUCTION OPENING

I-5 NORTHBOUND

SR 5 JOB NO. 7416 SHEET 3

Bridge Design Engr. Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\GEN NOTES.WND	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor Khaleghi, B		10	WASH.			
Designed By Lee, CS		JOB NUMBER				
Checked By						
Detailed By Foote, N.						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		



BRIDGE AND STRUCTURES OFFICE

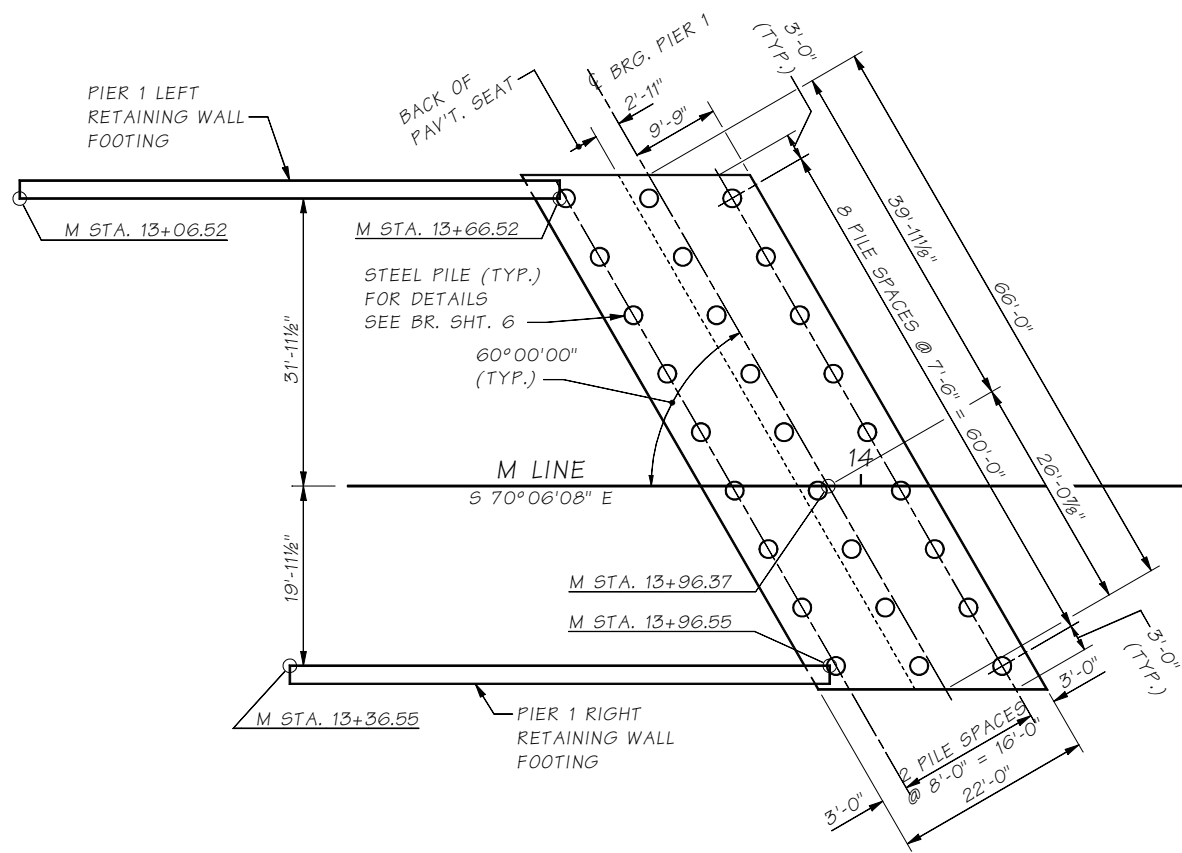


I-5
I-5 / SR 502 INTERCHANGE

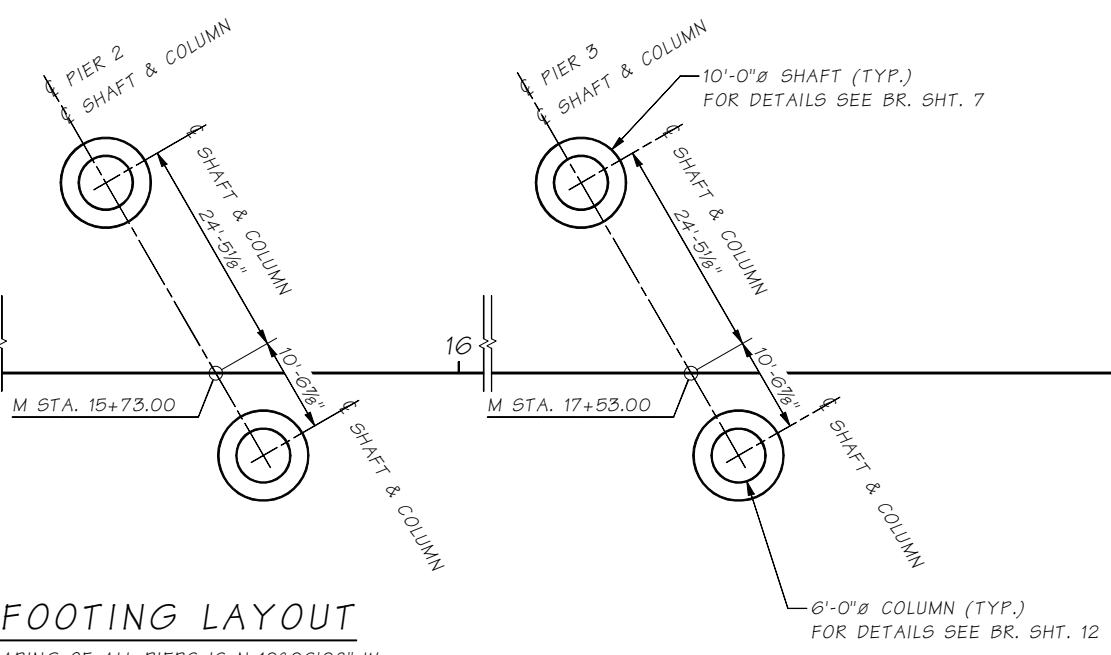
SR 502 OVER I-5 BRIDGE NO. 502/1

GENERAL NOTES

BRIDGE SHEET NO. 3 OF SHEETS



FOOTING LAYOUT
BEARING OF ALL PIERS IS N 10°06'08" W



FOOTING LAYOUT
BEARING OF ALL PIERS IS N 10°06'08" W

* APPROXIMATE EXISTING SEWER LINE LOCATION.
CONTRACTOR SHALL LOCATE THE SEWER LINE IN THE
FIELD PRIOR TO CONSTRUCTION OF PIER 4 SHAFTS.

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\FOOTING.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B			10	WASH.			
Designed By	Lee, CS			JOB NUMBER				
Checked By								
Detailed By	Foote, N.							
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist		DATE	REVISION	BY	APPD			



BRIDGE AND STRUCTURES OFFICE

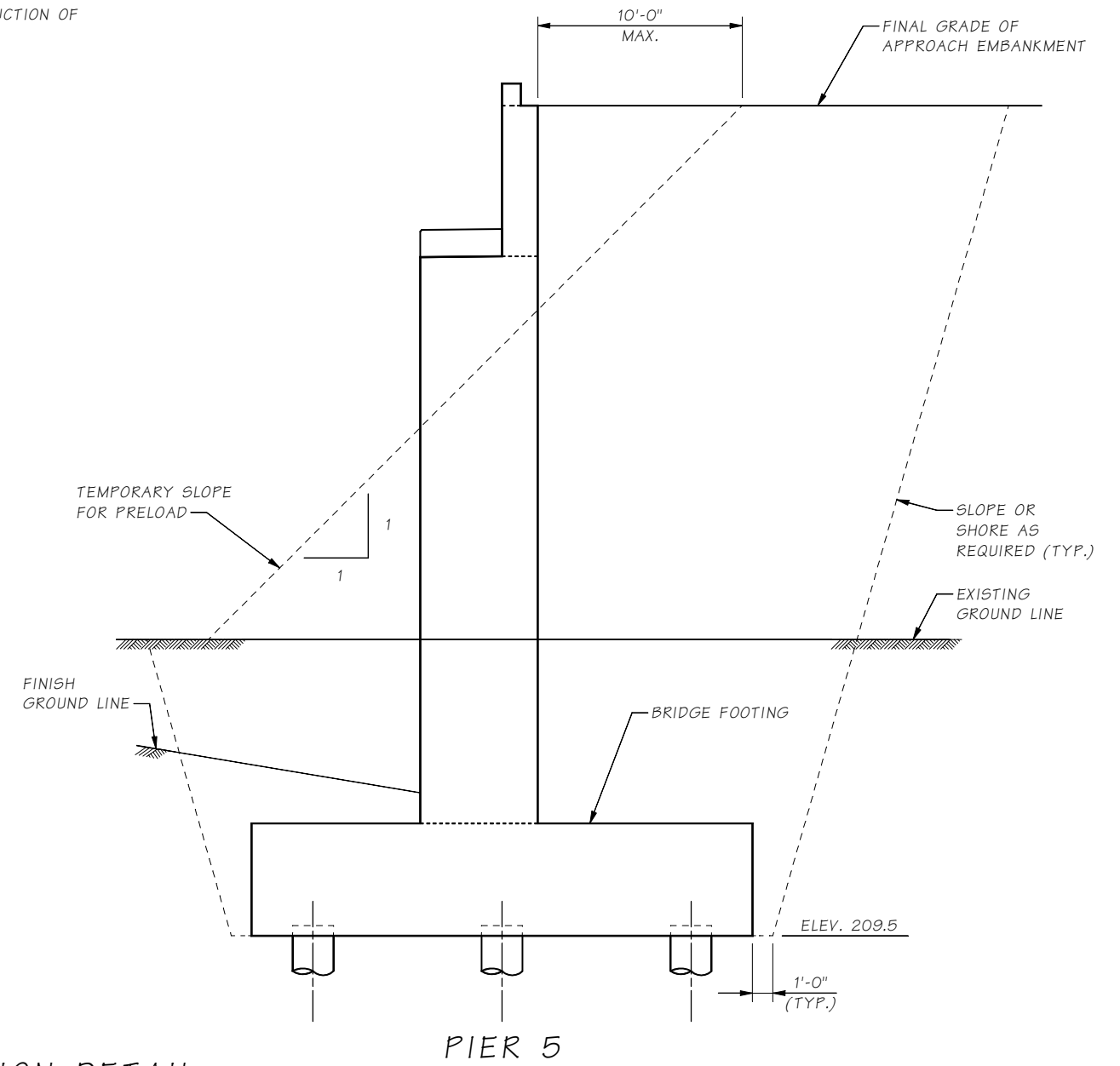
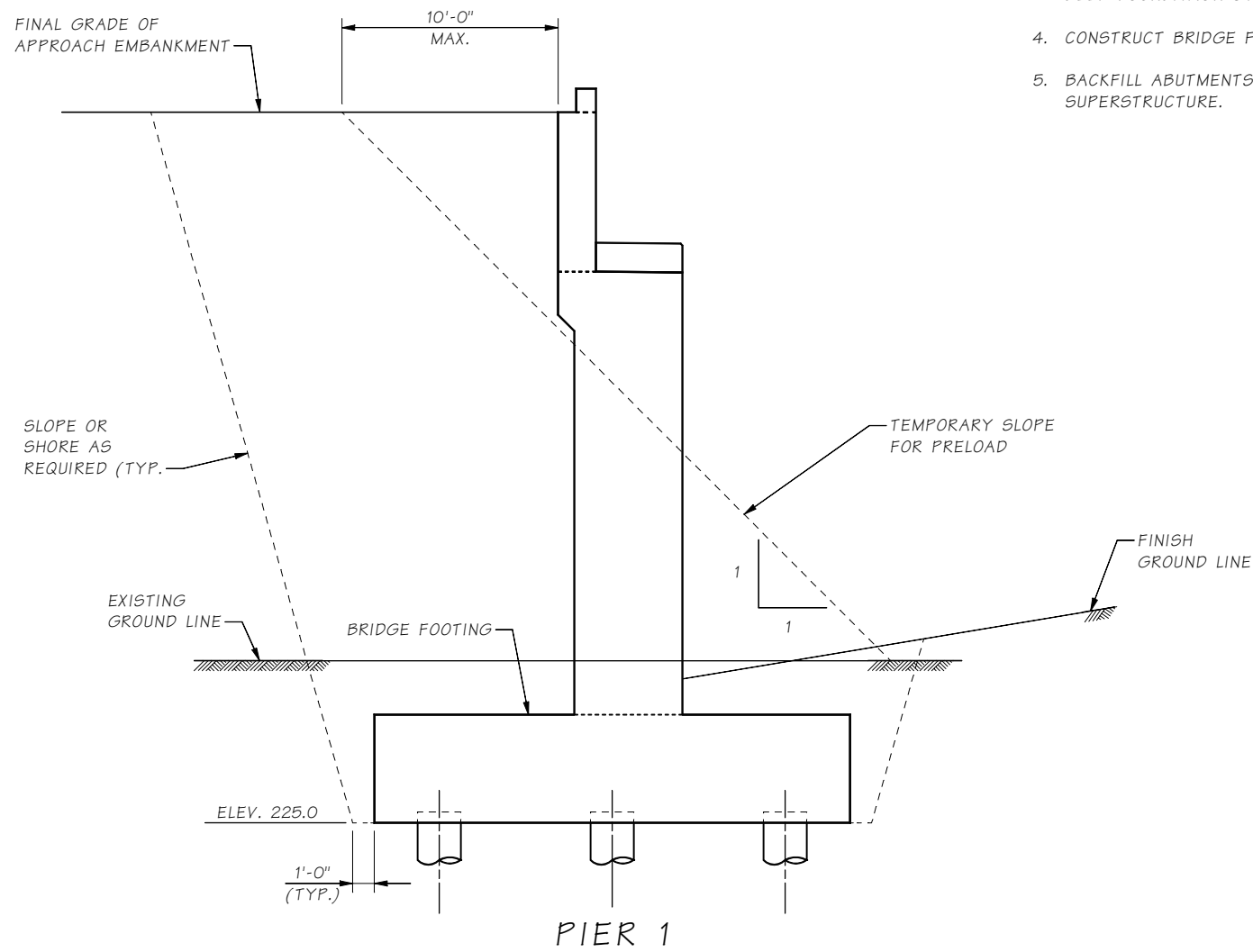


I-5 I-5 / SR 502 INTERCHANGE	
SR 502 OVER I-5 BRIDGE NO. 502/1	
FOOTING LAYOUT	

BRIDGE SHEET NO.	4
SHEET OF SHEETS	

EMBANKMENT CONSTRUCTION SEQUENCE

1. CONSTRUCT BRIDGE APPROACH EMBANKMENT TO FULL HEIGHT AND TEMPORARY SLOPE FOR PRELOAD OVER PLANNED FOOTING PLAN. (SEE THIS SHEET)
2. WAIT FOR REQUIRED SETTLEMENT PERIOD (60 DAYS).
3. EXCAVATE TO FOOTING ELEVATION AND CONSTRUCT THE DEEP FOUNDATION SYSTEM.
4. CONSTRUCT BRIDGE FOOTING AND ABUTMENT.
5. BACKFILL ABUTMENTS BEFORE CONSTRUCTION OF SUPERSTRUCTURE.



EMBANKMENT CONSTRUCTION DETAIL

SR 5 JOB NO. 7416 SHEET 5

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE>window files\CONSTRUCTION EMBED.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B				10	WASH.				
Designed By	Lee, CS				JOB NUMBER					
Checked By										
Detailed By	Foote, N									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APPD					

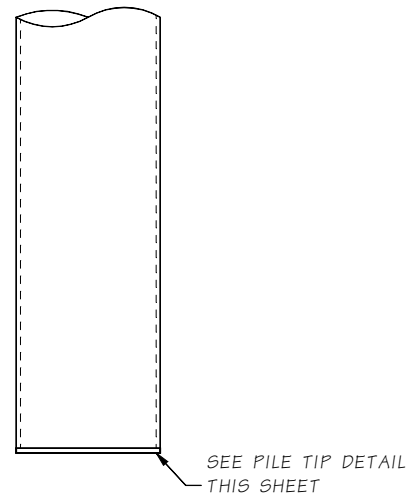
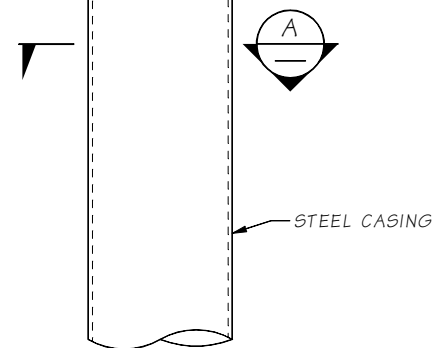
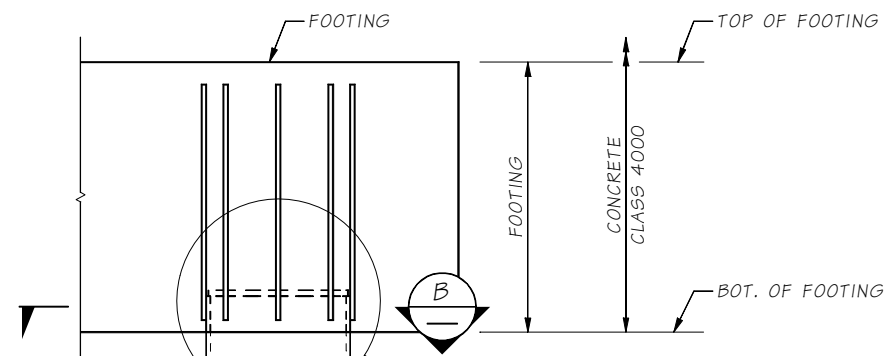


BRIDGE AND STRUCTURES OFFICE

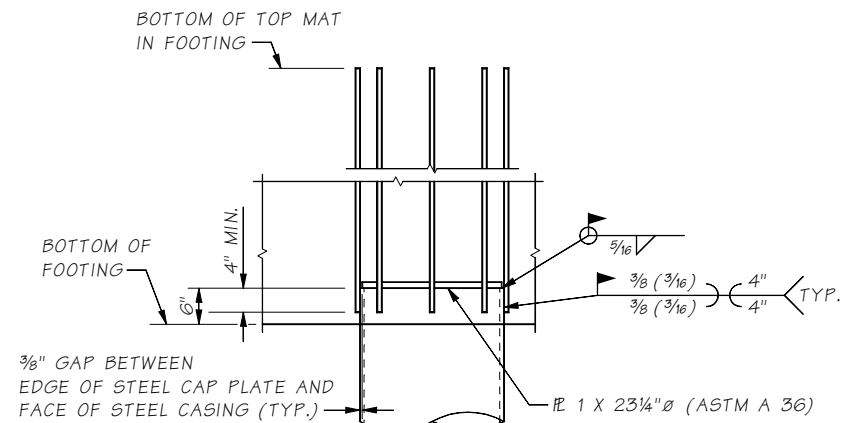


I-5
I-5 / SR 502 INTERCHANGE
SR 502 OVER I-5 BRIDGE NO. 502/1
EMBANKMENT CONSTRUCTION SEQUENCE AND DETAIL

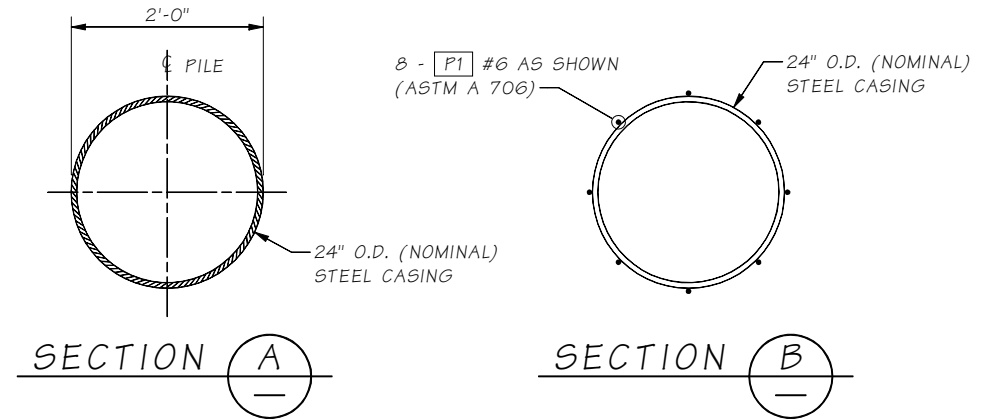
BRIDGE SHEET NO. 5 OF SHEETS



TYPICAL PILE ELEVATION

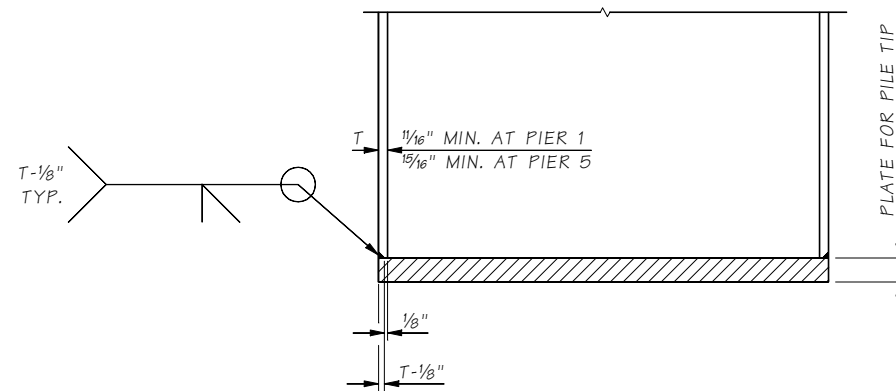


PILE HEAD DETAIL



NOTES:

1. STEEL CASING THICKNESS FOR PILE DRIVING AND PILE TIP THICKNESS SHALL BE DETERMINED BY THE CONTRACTOR.
2. THE MATERIAL FOR STEEL PILING SHALL CONFORM TO STANDARD SPECIFICATION SECTION 9-10.5. THE STEEL CAP PLATES SHALL CONFORM TO ASTM A 36.



PILE TIP DETAIL

PILE BAR LIST

ALL REINFORCING SHALL BE ASTM A 706

PIER 1							
PILES REQUIRED	MARK	BAR SIZE	BAR PER PILE	LENGTH	BEND TYPE	WT. (LBS.) PER PILE	WT. (LBS.) PER PIER
27	P1	#6	8	4'-6"	STRAIGHT	54	1458
PIER 5							
PILES REQUIRED	MARK	BAR SIZE	BAR PER PILE	LENGTH	BEND TYPE	WT. (LBS.) PER PILE	WT. (LBS.) PER PIER
30	P1	#6	8	5'-0"	STRAIGHT	60	1800
						TOTAL	3258

Bridge Design Engr. Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PILE ELEVATION.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor Khaleghi, B			10	WASH.			
Designed By Lee, CS			JOB NUMBER				
Checked By							
Detailed By Foote, N							
Bridge Projects Engr.							
Prelim. Plan By							
Architect/Specialist	DATE	REVISION	BY	APPD			



BRIDGE AND STRUCTURES OFFICE



I-5
I-5 / SR 502 INTERCHANGE
SR 502 OVER I-5 BRIDGE NO. 502/1
PIER 1 & 5 PILE ELEVATION & DETAILS

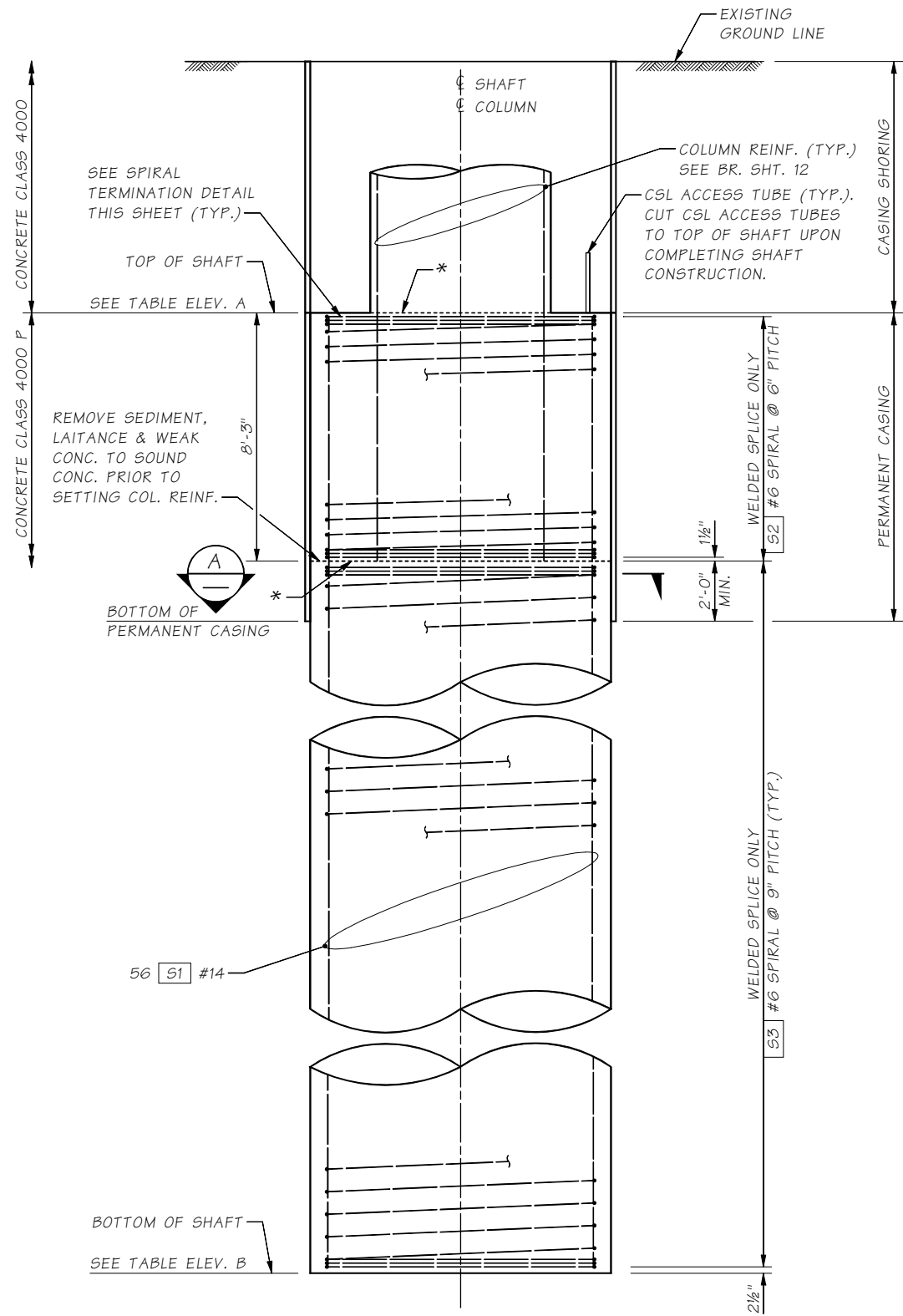
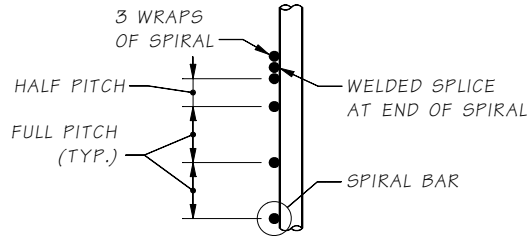
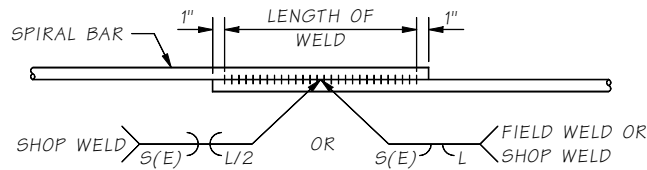


TABLE OF ELEVATIONS		
PIER	ELEV. A	ELEV. B
2	219.0	161.0
3	210.0	159.0
4	216.0	158.0



**SPIRAL TERMINATION
DETAIL**

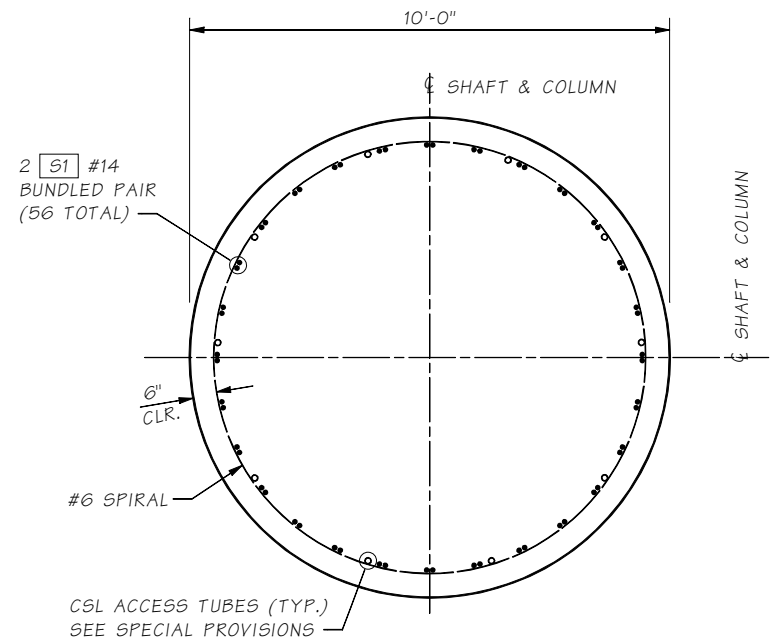


WELDED LAP SPLICE DETAIL

WELDING SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION 6-02.3(24)E FOR WELD DIMENSIONS, SEE TABLE BELOW.

SHAFT SPIRAL OPTIONS

DEFORMED BAR AASHTO M 31 GR. 60 #6	PLAIN STEEL BAR AASHTO M 31 GR. 60 3/4" Ø	COLD DRAWN WIRE AASHTO M 32 W44	DEFORMED WIRE AASHTO M 225 D44	WELD DIMENSIONS S E LENGTH (L) 3/8 3/16 6
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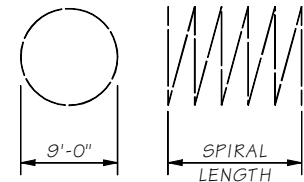
SECTION A

SHAFT BARLIST

ALL REINFORCING SHALL BE AASHTO M 31, GR. 60
QUANTITIES ARE PER SHAFT

PIER	MARK	SIZE	NO.	LENGTH	BEND TYPE	WT. (lbs.)
2 & 4	S1	14	56	57'-8"	STR.	24704
2 & 4	S2	6	1	449'-4"	67	675
2 & 4	S3	6	1	1850'-8"	67	2780
TOTAL						28159

PIER	MARK	SIZE	NO.	LENGTH	BEND TYPE	WT. (lbs.)
3	S1	14	56	50'-8"	STR.	21706
3	S2	6	1	449'-4"	67	675
3	S3	6	1	1588'-6"	67	2386
TOTAL						24767



SPIRALS (BEND TYPE 67)
WEIGHT DOES NOT INCLUDE SPIRAL SPLICES

SR 5 JOB NO. 7416 SHEET 7

Bridge Design Engr. Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 2 COL. AND SHAFT.WND	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor Khaleghi, B		10	WASH.			
Designed By Lee, CS		JOB NUMBER				
Checked By						
Detailed By Foote, N.						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		



BRIDGE AND STRUCTURES OFFICE

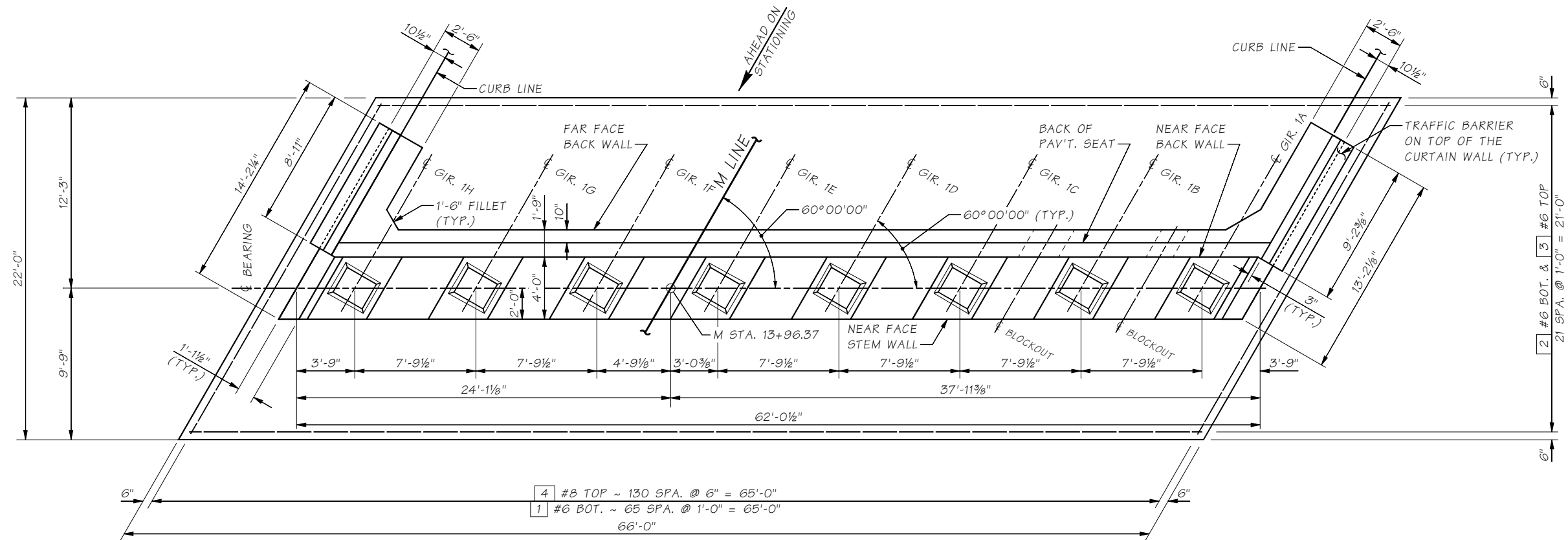


**I-5
I-5 / SR 502 INTERCHANGE**

SR 502 OVER I-5 BRIDGE NO. 502/1

PIER 2, 3 & 4
SHAFT ELEVATION & DETAILS

BRIDGE SHEET NO. 7 OF SHEETS



PLAN

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE>window files\PIER 1.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B			10	WASH.			
Designed By	Lee, CS			JOB NUMBER				
Checked By								
Detailed By	Foote, N.							
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist		DATE	REVISION	BY	APPD			



BRIDGE AND STRUCTURES OFFICE



I-5 / SR 502 INTERCHANGE

SR 502 OVER I-5 BRIDGE NO. 502/1

PIER 1 PLAN

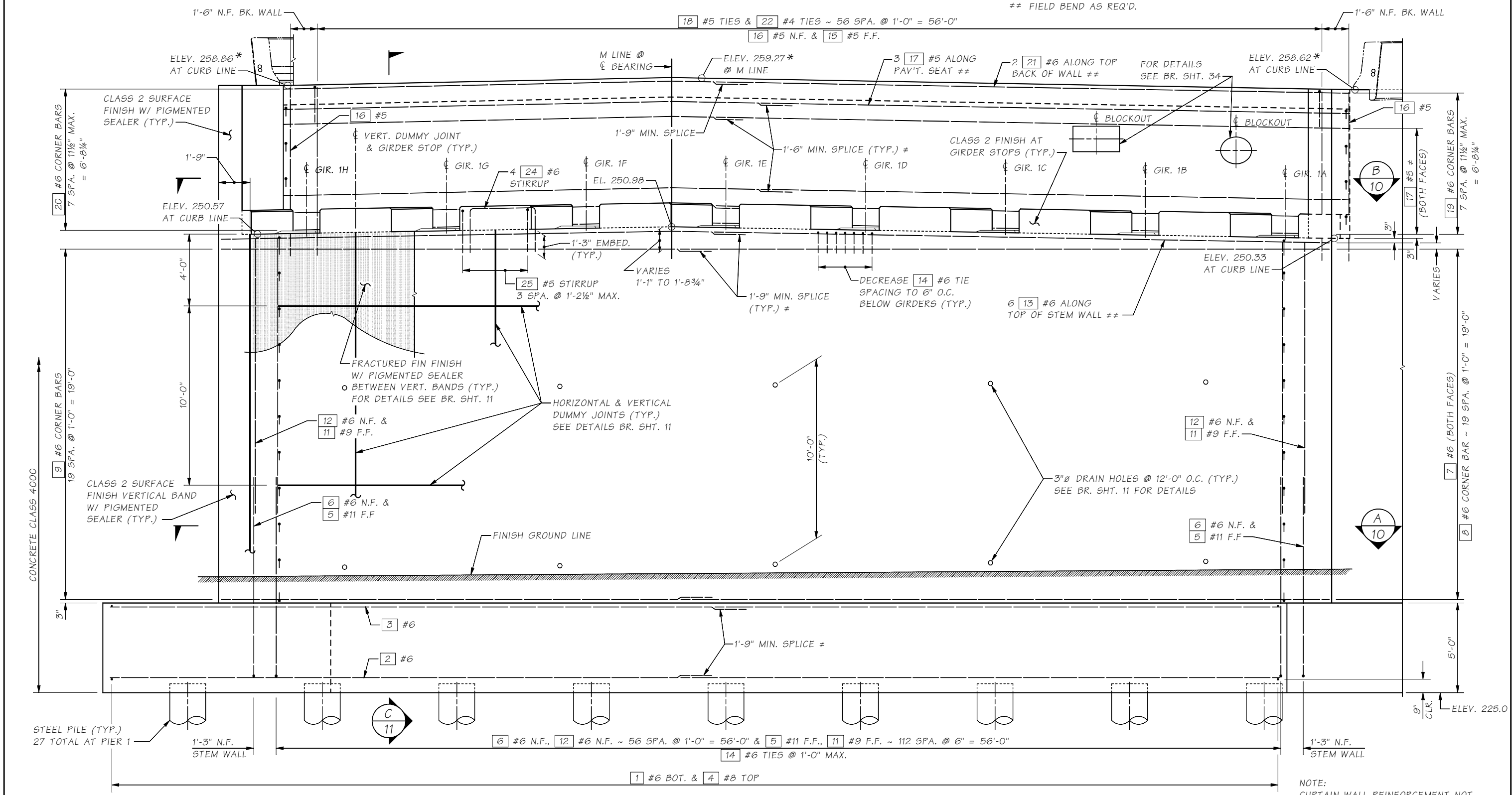
BRIDGE SHEET NO. 8 OF SHEETS

TOP OF GROUT PAD ELEVATIONS								
GIRDER	1H	1G	1F	1E	1D	1C	1B	1A
ELEV.	250.75	250.88	251.02	251.05	250.91	250.78	250.64	250.50

ALL ELEVATIONS ARE AT CENTERLINE BEARING EXCEPT THOSE MARKED WITH AN ASTERISK (*) WHICH ARE AT BACK OF PAVEMENT SEAT

* DO NOT SPLICE MORE THAN 50% OF BARS AT ANY ONE LOCATION. STAGGER SPLICES A MINIMUM OF 2'-6".

** FIELD BEND AS REQ'D.



ELEVATION
LOOKING BACK ON STATIONING

NOTE: CURTAIN WALL REINFORCEMENT NOT SHOWN FOR CLARITY. SEE BR. SHT. 10 & 20 FOR DETAILS

SR 5 JOB NO. 7416 SHEET 9

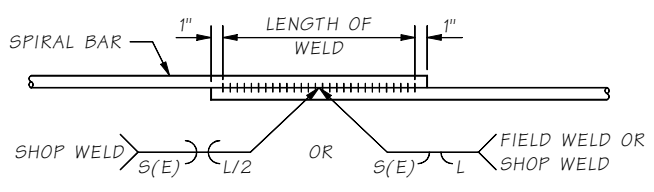
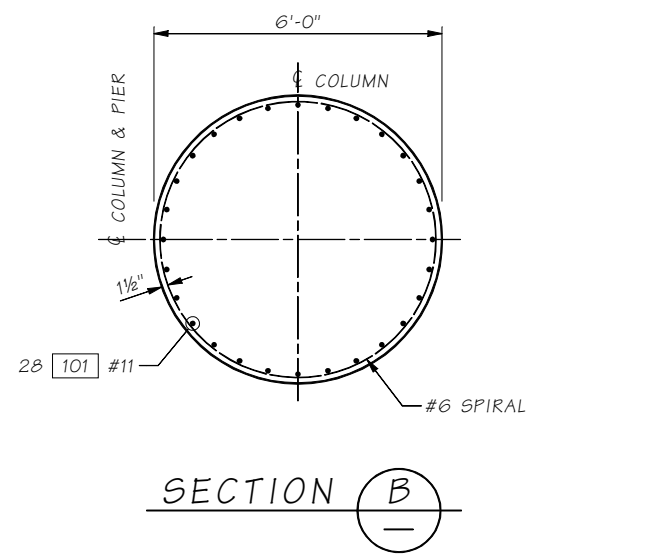
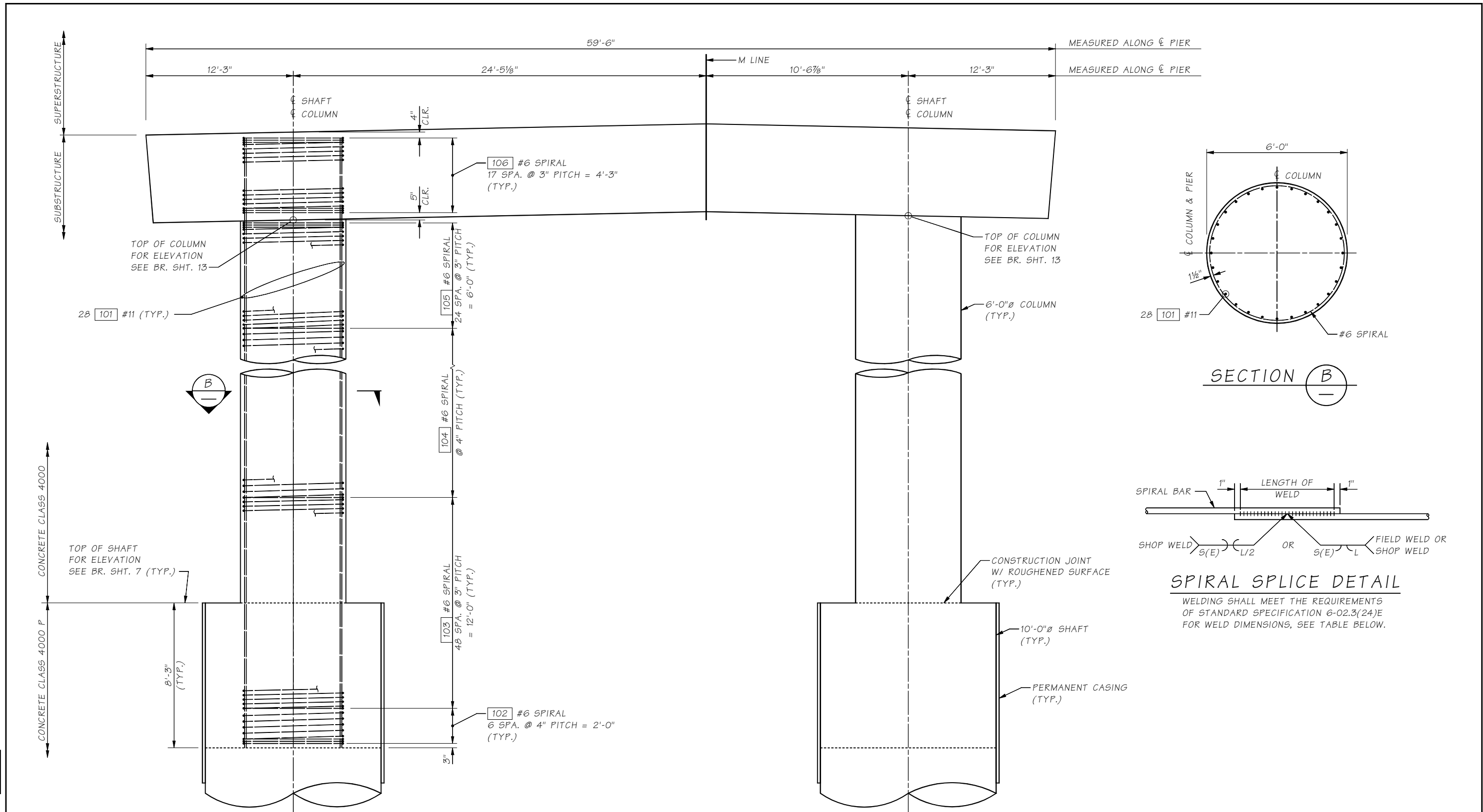
Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 1 ELEVATION.WND	
Supervisor	Khaleghi, B	REGION NO.	STATE
Designed By	Lee, CS	10	WASH.
Checked By		JOB NUMBER	
Detailed By	Foote, N.		
Bridge Projects Engr.			
Prelim. Plan By			
Architect/Specialist		DATE	REVISION
		BY	APPD



BRIDGE AND STRUCTURES OFFICE



I-5	
I-5 / SR 502 INTERCHANGE	
SR 502 OVER I-5 BRIDGE NO. 502/1	
PIER 1 ELEVATION	
BRIDGE SHEET NO.	9
SHEET	OF
SHEETS	SHEETS



SPIRAL SPLICE DETAIL
 WELDING SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION 6-02.3(24)E FOR WELD DIMENSIONS, SEE TABLE BELOW.

PIER 2, 3 & 4 - ELEVATION
 REINFORCING TYPICAL FOR EACH COLUMN

COLUMN SPIRAL OPTIONS

DEFORMED BAR AASHTO M 31 GR. 60	PLAIN STEEL BAR AASHTO M 31 GR. 60	COLD DRAWN WIRE AASHTO M 32	DEFORMED WIRE AASHTO M 225	WELD DIMENSIONS	
				S	E
#6	3/4"Ø	W44	D44	3/8"	3/16"
					LENGTH (L)
					6

Bridge Design Engr. Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 2 ELEVATION.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor Khaleghi, B			10	WASH.			
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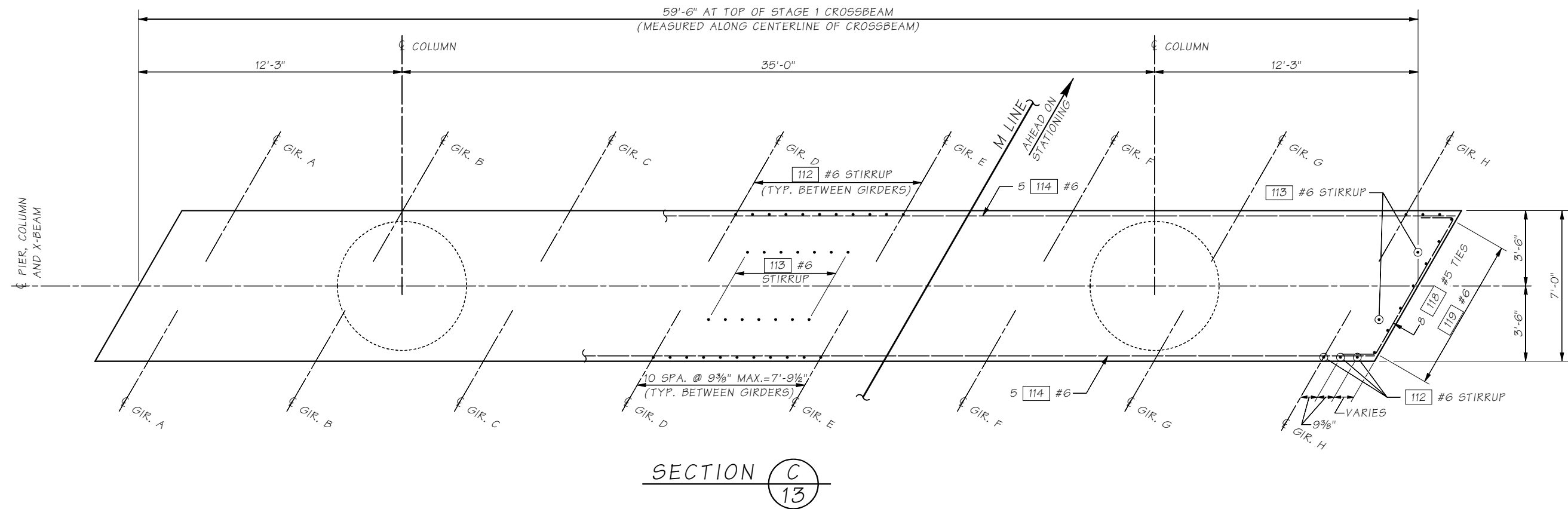
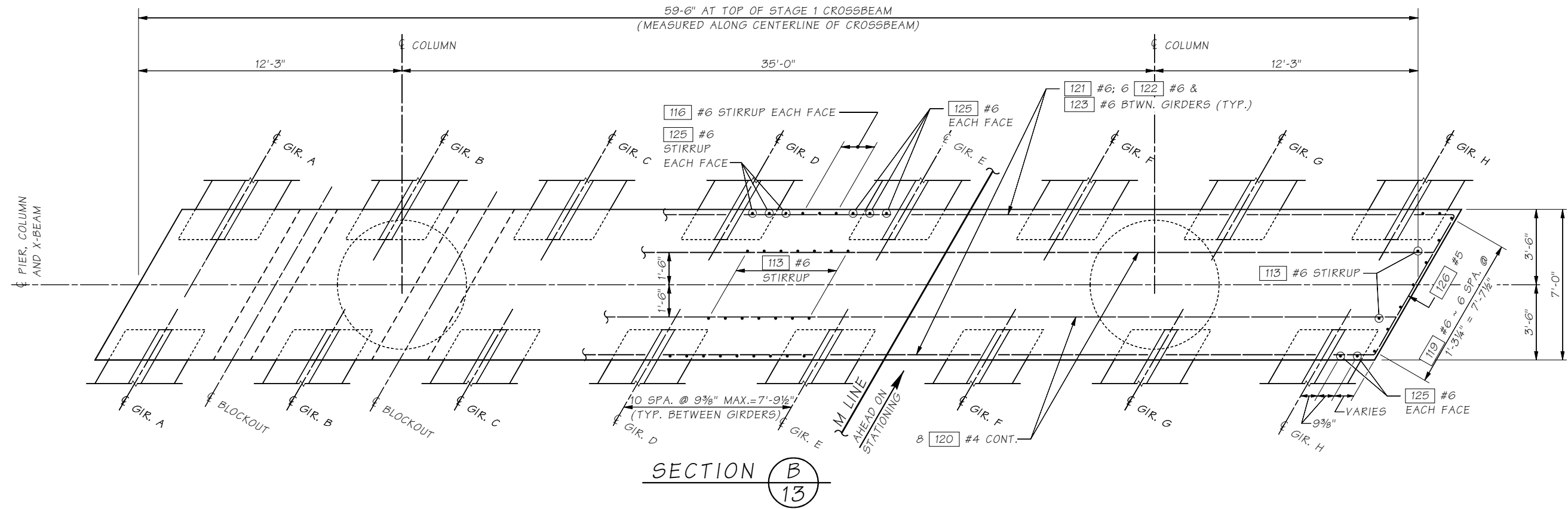


BRIDGE AND STRUCTURES OFFICE



BRIDGE SHEET NO.	12
SHEET	
OF	
SHEETS	

**I-5
I-5 / SR 502 INTERCHANGE**
 SR 502 OVER I-5 BRIDGE NO. 502/1
 PIER 2, 3 & 4
 COLUMN ELEVATION & DETAILS



SR 5 JOB NO. 7416 SHEET 14

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 2 X-BEAM.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B			10	WASH.			
Designed By	Lee, CS							
Checked By								
Detailed By	Foote, N.							
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist		DATE	REVISION	BY	APPD			



BRIDGE AND STRUCTURES OFFICE

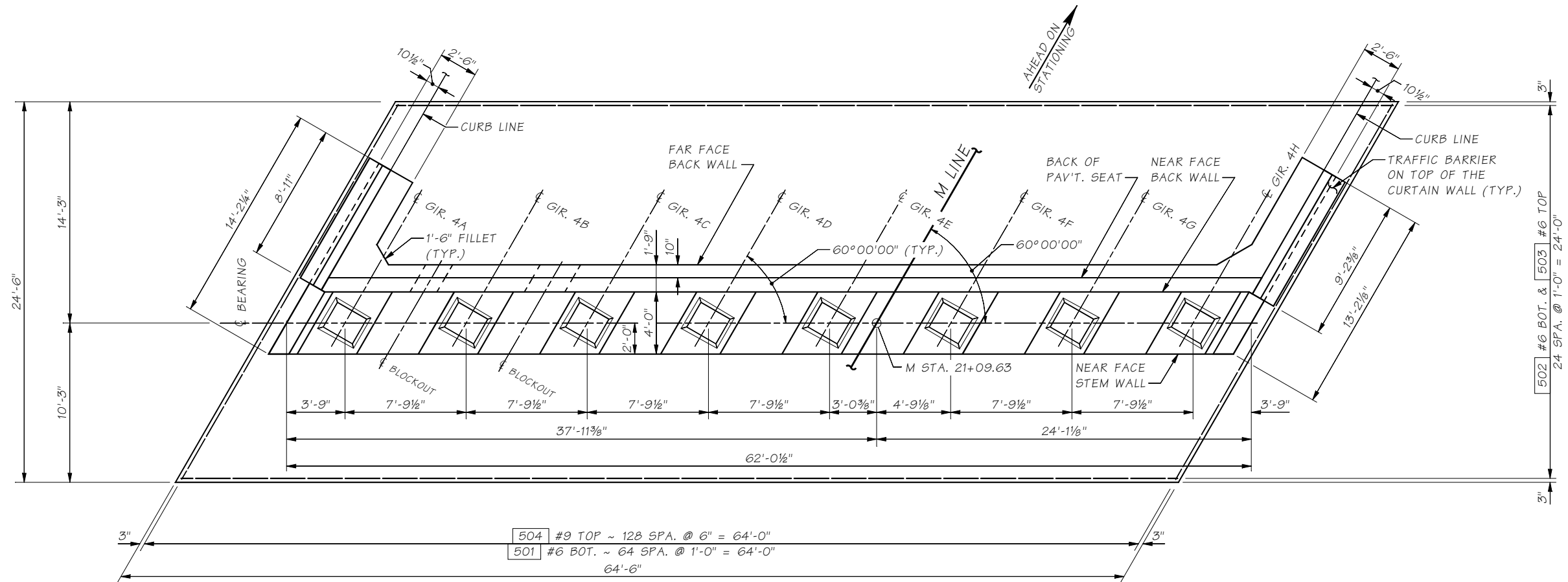


I-5
I-5 / SR 502 INTERCHANGE

SR 502 OVER I-5 BRIDGE NO. 502/1

PIER 2, 3 & 4
CROSSBEAM PLAN

BRIDGE SHEET NO. 14
SHEET OF SHEETS



Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE>window files\PIER 5.WND	
Supervisor	Khaleghi, B	REGION NO.	STATE
Designed By	Lee, CS	10	WASH.
Checked By		JOB NUMBER	
Detailed By	Foote, N.		
Bridge Projects Engr.			
Prelim. Plan By			
Architect/Specialist		DATE	REVISION
		BY	APPD



BRIDGE AND STRUCTURES OFFICE



I-5 / SR 502 INTERCHANGE

SR 502 OVER I-5 BRIDGE NO. 502/1

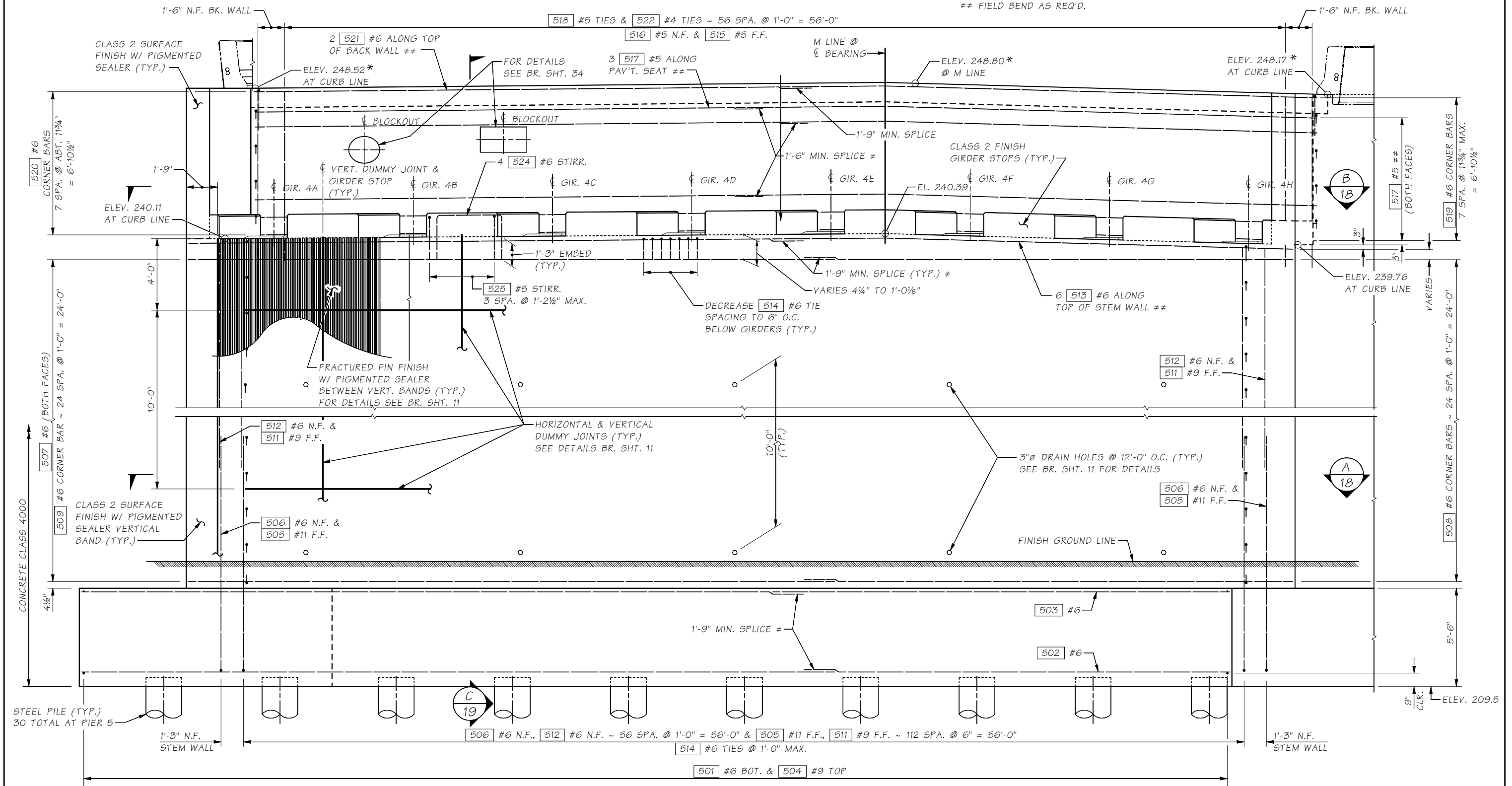
PIER 5 PLAN

TOP OF GROUT PAD ELEVATIONS								
GIRDER	4A	4B	4C	4D	4E	4F	4G	4H
ELEV.	240.25	240.31	240.37	240.43	240.49	240.38	240.17	239.96

ALL ELEVATIONS ARE AT CENTERLINE BEARING EXCEPT THOSE MARKED WITH AN ASTERISK (*) WHICH ARE AT BACK OF PAVEMENT SEAT

* DO NOT SPLICE MORE THAN 50% OF BARS AT ANY ONE LOCATION. STAGGER SPLICES A MINIMUM OF 2'-6".

** FIELD BEND AS REQ'D.



ELEVATION

SR 5 JOB NO. 7416 SHEET 17

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE>window files\PIER 5 ELEVATION.WND			
Supervisor	Khaleghi, B	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
Designed By	Lee, CS	10	WASH.		TOTAL SHEETS
Checked By		JOB NUMBER			
Detailed By	Foote, N.				
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist		DATE	REVISION	BY	APPD

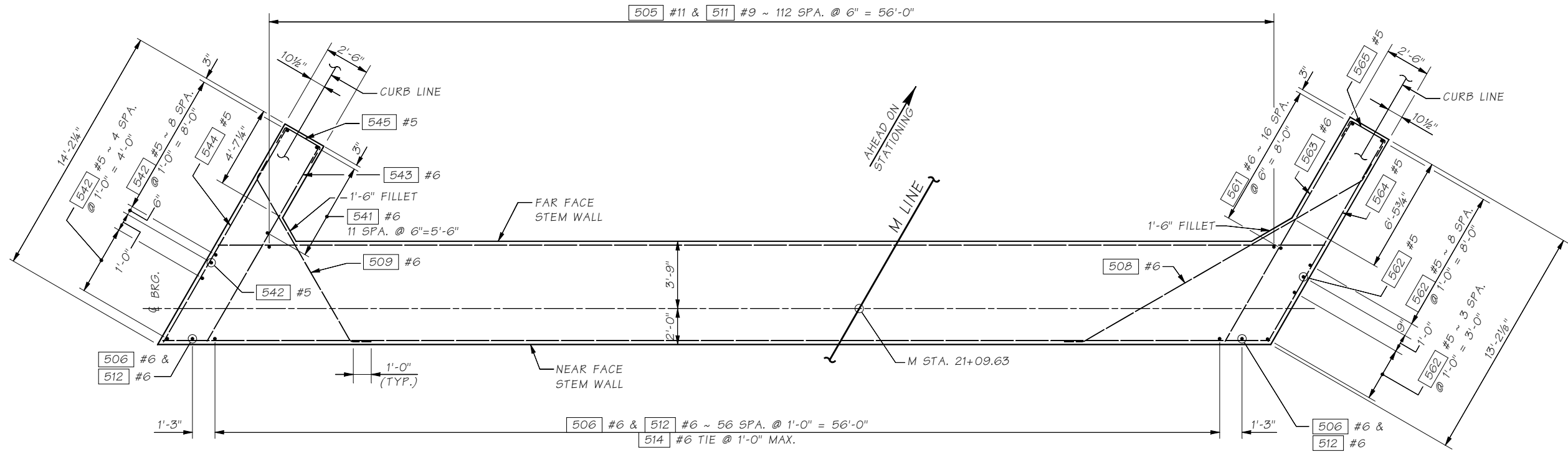


BRIDGE AND STRUCTURES OFFICE

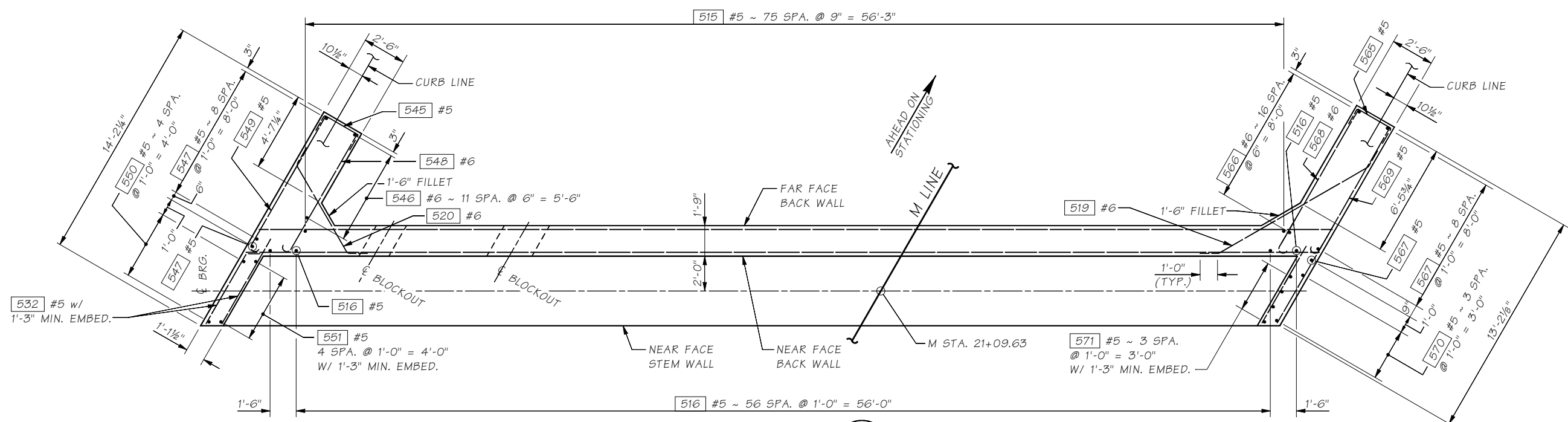


I-5	
I-5 / SR 502 INTERCHANGE	
SR 502 OVER I-5 BRIDGE NO. 502/1	
PIER 5 ELEVATION	

BRIDGE SHEET NO.	17
SHEET	
OF	
SHEETS	



SECTION A
17



SECTION B
17

SR 5 JOB NO. 7416 SHEET 18

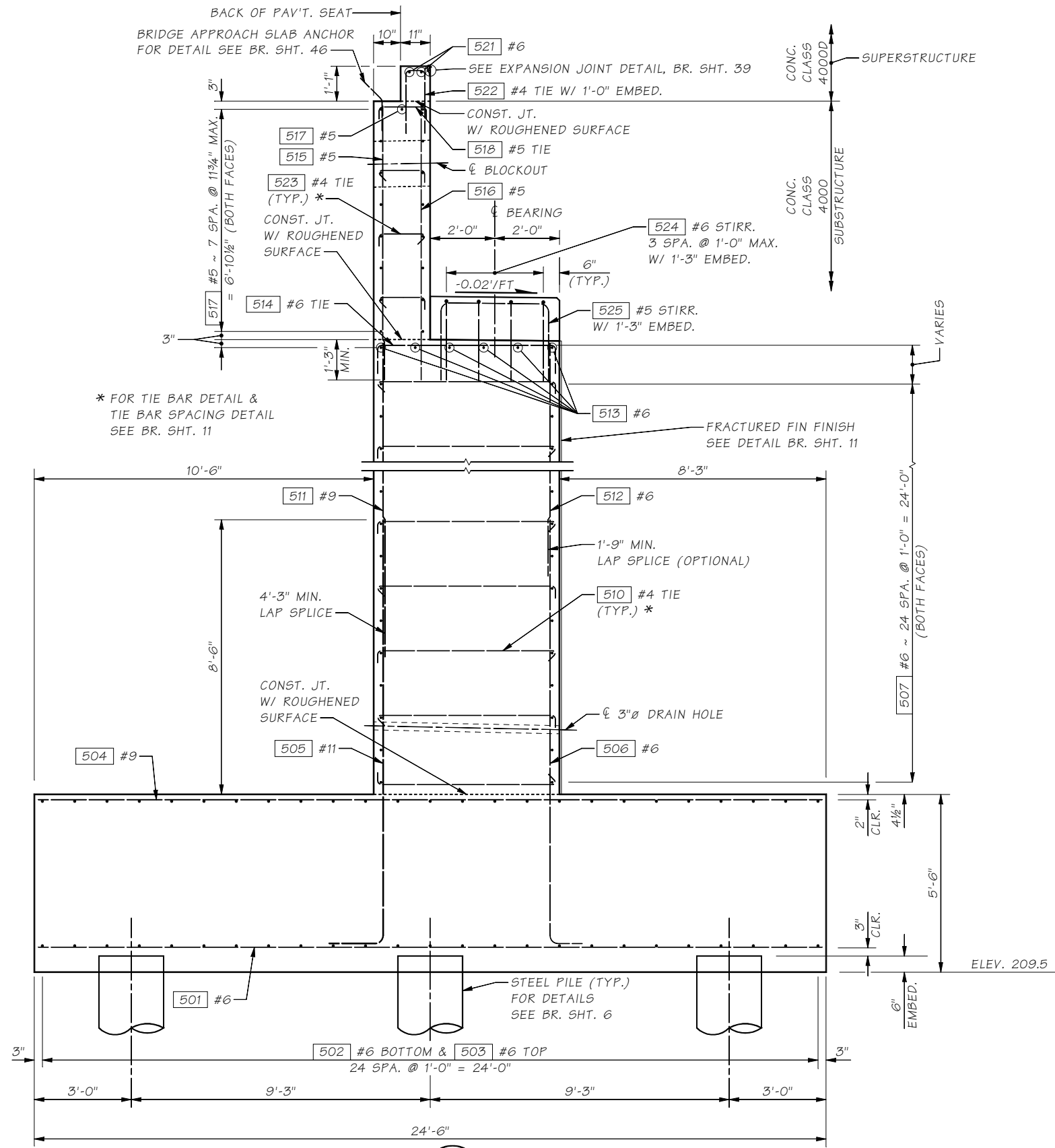
Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 5 SECTIONS.WND		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B			10	WASH.			
Designed By	Lee, CS							
Checked By								
Detailed By	Foote, N							
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist		DATE	REVISION	BY	APPD			



BRIDGE AND STRUCTURES OFFICE



I-5 I-5 / SR 502 INTERCHANGE		BRIDGE SHEET NO. 18
SR 502 OVER I-5 BRIDGE NO. 502/1		SHEET
PIER 5 SECTIONS		OF
		SHEETS



* FOR TIE BAR DETAIL & TIE BAR SPACING DETAIL SEE BR. SHT. 11

SECTION C
SEE BR. SHT. 17 FOR UTILITY BLOCKOUTS

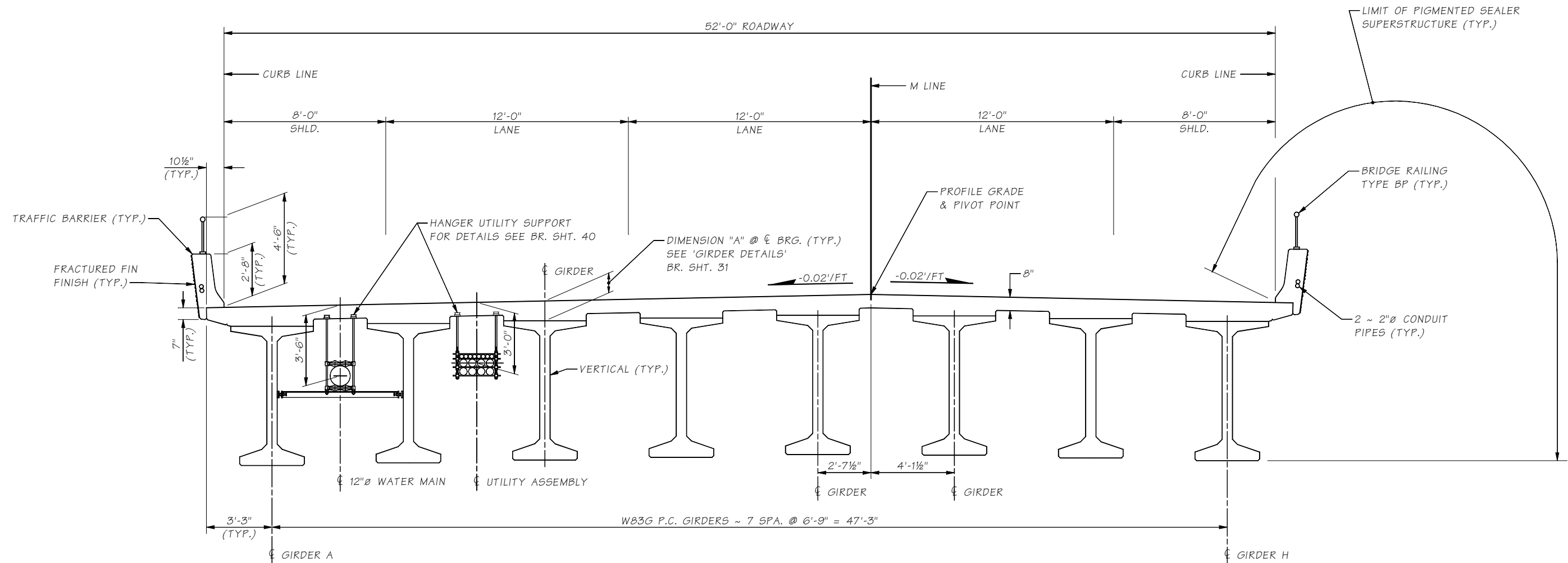
Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE\window files\PIER 5 DETAILS.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Khaleghi, B				10	WASH.				
Designed By	Lee, CS									
Checked By										
Detailed By	Foote, N									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APPD					



BRIDGE AND STRUCTURES OFFICE



I-5 I-5 / SR 502 INTERCHANGE	BRIDGE SHEET NO. 19
SR 502 OVER I-5 BRIDGE NO. 502/1	SHEET
PIER 5 DETAILS	OF
	SHEETS



TYPICAL SECTION

TRANSVERSE DIMENSIONS ARE NORMAL TO M LINE UNLESS AS NOTED.

Bridge Design Engr.	Stoddard, RB	M:\Y-Team\SR 502 INTERCHANGE>window files\TYP SECT.WND			
Supervisor	Khaleghi, B	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
Designed By	Lee, CS	10	WASH.		TOTAL SHEETS
Checked By		JOB NUMBER			
Detailed By	Foote, N.				
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist		DATE	REVISION	BY	APPD



BRIDGE AND STRUCTURES OFFICE



I-5 / SR 502 INTERCHANGE

SR 502 OVER I-5 BRIDGE NO. 502/1

TYPICAL SECTION

BRIDGE SHEET NO. 27 OF SHEETS