

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	374	897
				07307		LAYOUT		55228

**FOR R/W DATA AND GUARDRAIL
DETAILS, SEE ROADWAY PLANS**

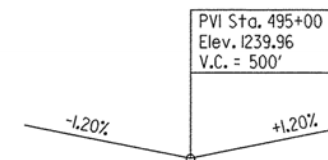
Notes:
Use Type A approach gutters (W=8'-0") at each end of bridge. See Std. Dwg. No. 55030A.

Use Type N-2 inlets at begin bridge only.

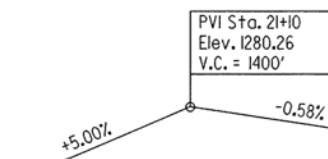
For GENERAL NOTES, see Dwg. No. 55230.

For BORING LEGEND & "N" VALUES, see Dwg. No. 55229.

- Retaining walls accommodate a future bridge width consisting of a 12' painted median and four 11' lanes with two 6'-6" sidewalks.
- Shoring will be required, as needed, to excavate existing embankment and construct Retaining Wall Nos. 4 & 5 while maintaining traffic on existing Hwy. 112. See SP JOB CA0907 "SHORING". Location to be determined by Contractor.



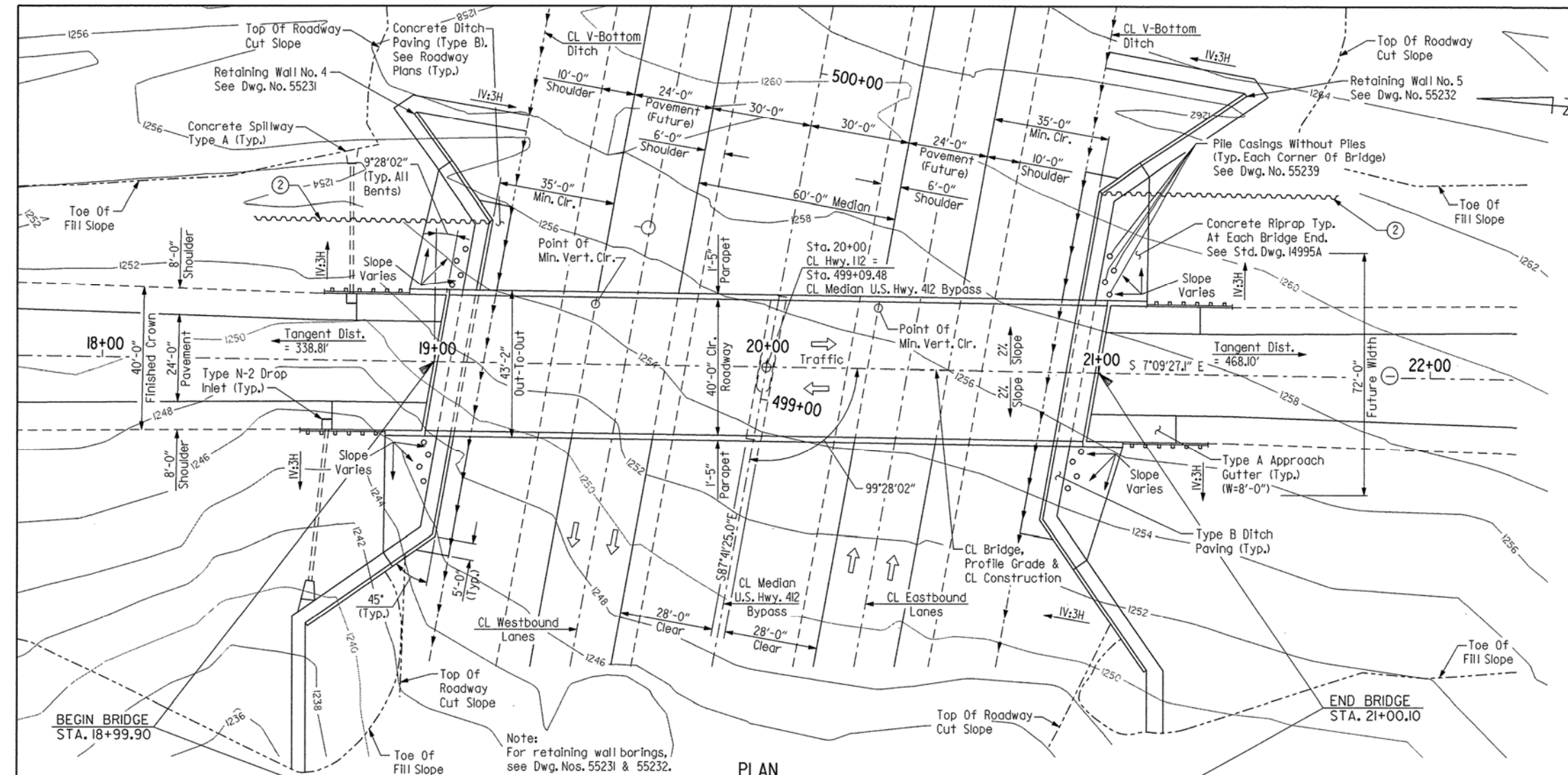
VERTICAL CURVE DATA
U.S. Highway 412 Bypass
(Profile Grade Along
Inside Edge Of Pavement)



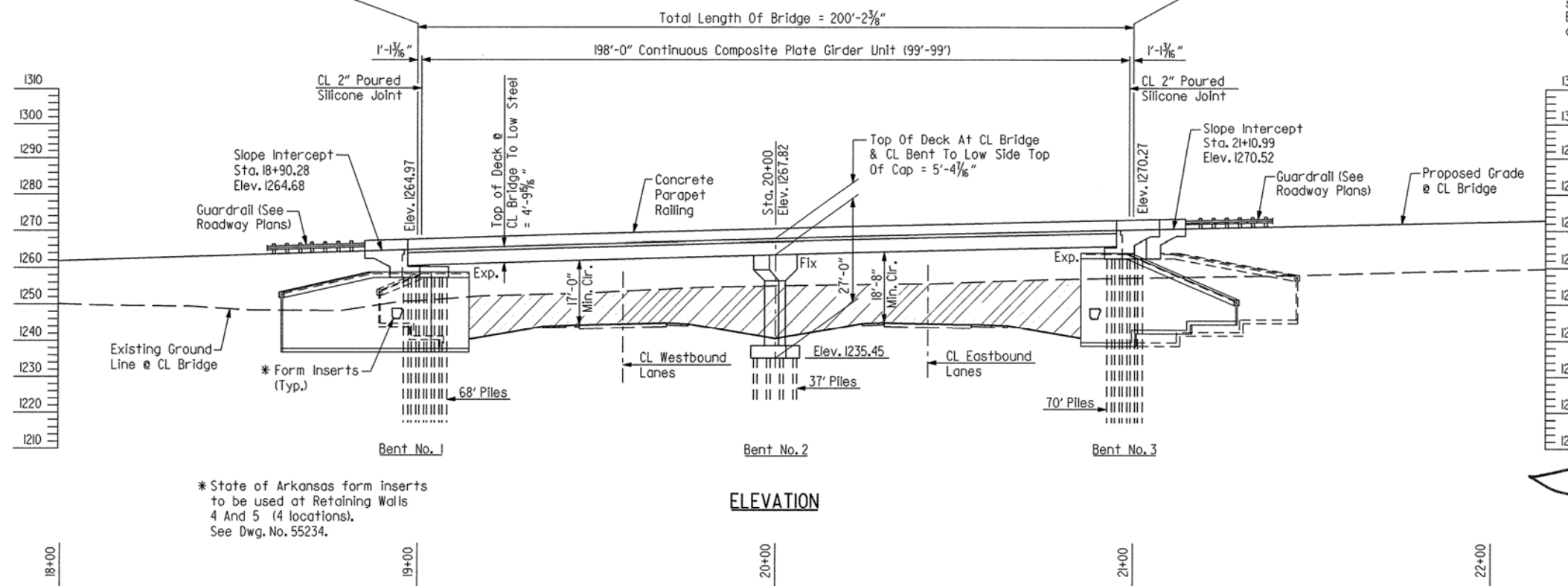
VERTICAL CURVE DATA
Highway 112
(Profile Grade Along
CL Highway 112)

Note:
Stations and elevations shown are along CL Bridge. Elevations shown are at working point.

PLAN



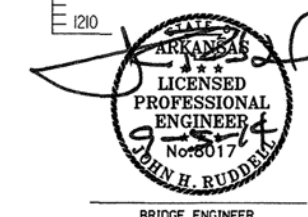
ELEVATION



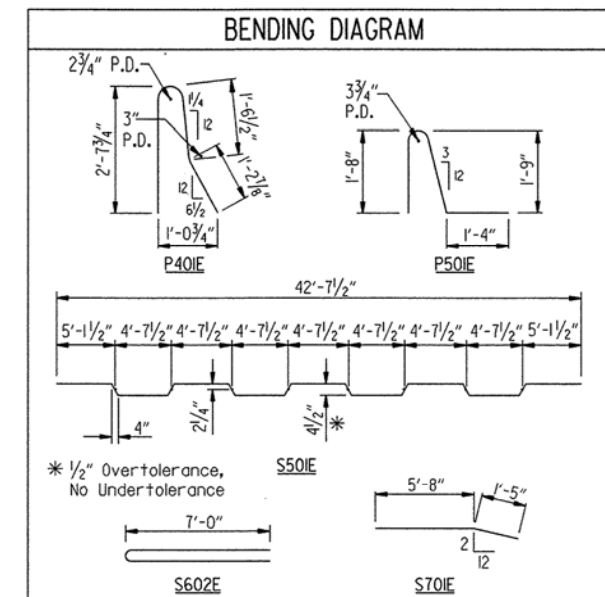
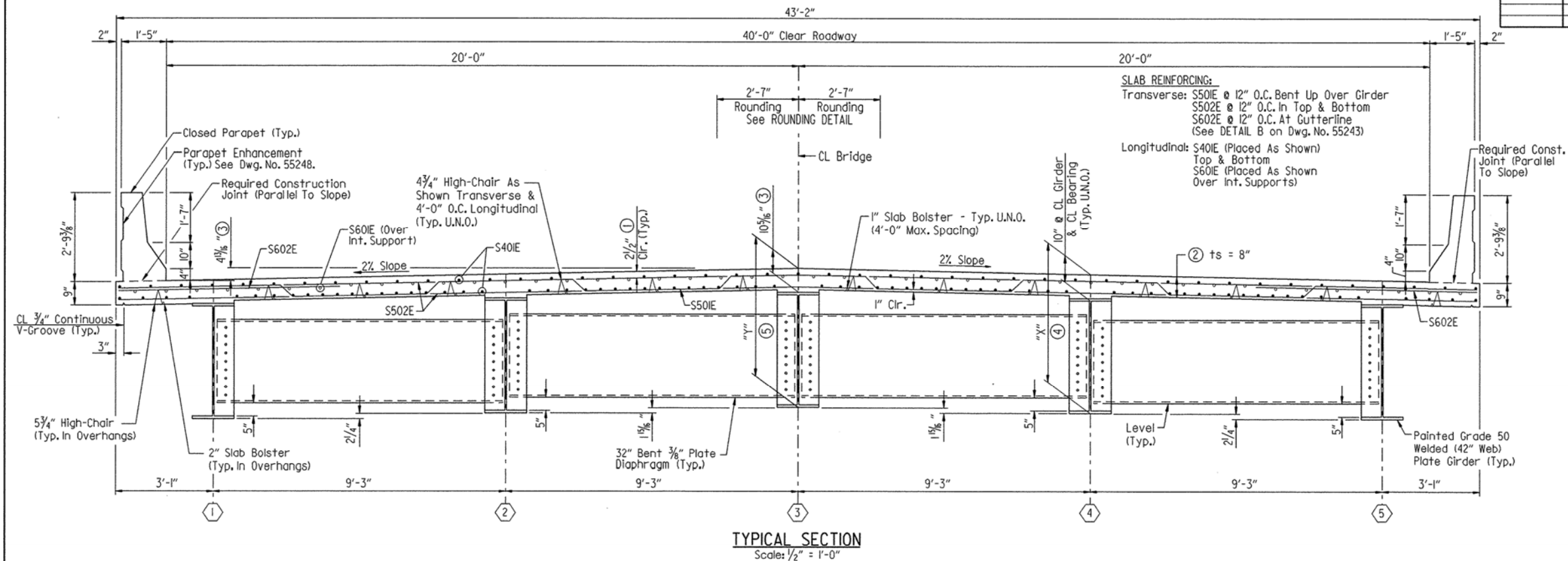
* State of Arkansas form inserts to be used at Retaining Walls 4 And 5 (4 locations). See Dwg. No. 55234.

SHEET 1 OF 7
LAYOUT OF BRIDGE
HIGHWAY 112
OVER U.S. HIGHWAY 412
HWY. 112 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: HEW DATE: MAY 2007 FILENAME: BCA0907X4.LLDGN
CHECKED BY: JHR DATE: MAY 2007 SCALE: 1"=20'
DESIGNED BY: JRD DATE: MAY 2007
BRIDGE NO. 07307 DRAWING NO. 55228

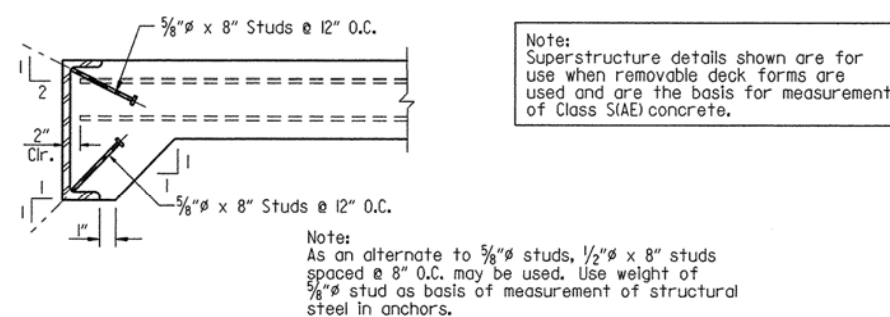
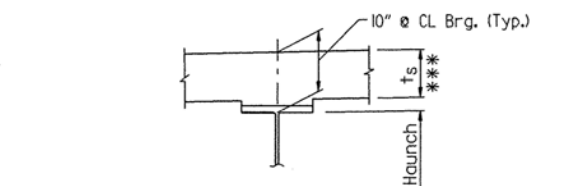


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	388	897
				07307		SPAN DETAILS		55242

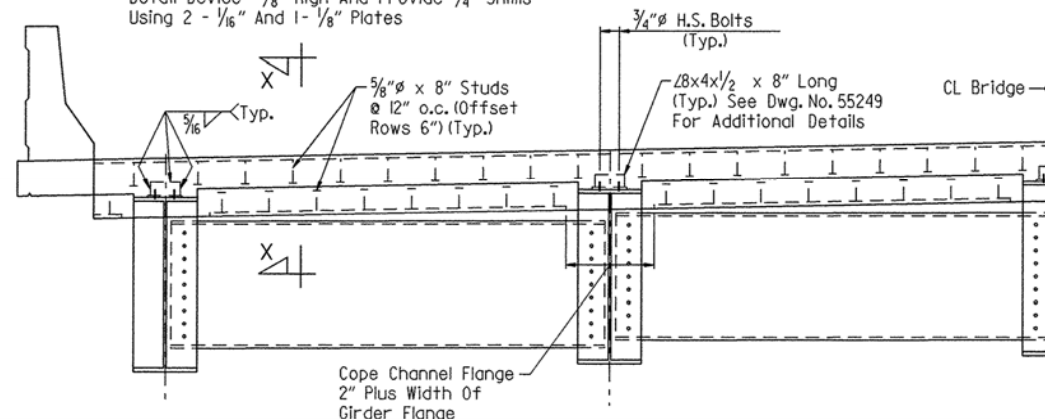


Mark	No. Req'd.	Length	Pin. Dia.
S401E	702	35'-1"	STR.
S501E	191	43'-5 1/2"	3"
S502E	382	42'-10"	STR.
S503E	4 Each	6'-5"	STR.
To		To	
S514E		39'-5"	STR.
S601E	132	27'-0"	STR.
S602E	393	14'-3"	5/4" (6)
S701E	8	7'-1"	5/4"
P401E	788	5'-6"	2 3/4", 3"
P402E	48	28'-3"	STR.
P403E	84	9'-8"	STR.
P404E	16	9'-4"	STR.
P501E	788	4'-10"	3 3/4"

Note:
Dimensions of bars are out-to-out.
Bar designations ending with "E" indicate epoxy coated bars.



EXPANSION DEVICE:
Rdwy. Channel MC18x42.7
Conn. Angles 28x4x1/2 x 8" Long
Detail Device 1/8" High And Provide 1/4" Shims
Using 2 - 1/8" And 1 - 1/8" Plates



- ① TOLERANCE:
Minus = 1/4"
Plus = Equal To Amount Of Slab Thickening Used To Meet Slab Thickness Tolerance - See ADJUSTMENT FOR SLAB THICKNESS TOLERANCE WHEN REMOVABLE DECK FORMING IS USED.
- ② See ADJUSTMENT FOR SLAB THICKNESS TOLERANCE WHEN REMOVABLE DECK FORMING IS USED.
- ③ Measured To Working Point - See ROUNDING DETAIL.
- ④ "X" = 4'-4" + bottom flange thickness, measured at CL Bearing & CL Girder.
- ⑤ "Y" = 4'-4 1/2" + bottom flange thickness, measured at CL Bearing & CL Girder (measured to working point - see ROUNDING DETAIL).
- ⑥ Non-typical pin diameter
- Note:
One epoxy coated #5 bar in the top and one epoxy coated #5 bar in the bottom may be substituted for each bar S501E. Payment will be based on the weight of bar S501E.
- Note:
Class 2 protective surface treatment shall be applied to the roadway surface and the face and top of parapet rail.

LEGEND
U.N.O. = Unless Noted Otherwise

SHEET 1 OF 8
DETAILS OF 198'-0" COMPOSITE
PLATE GIRDER UNIT
HIGHWAY 112
OVER U.S. HIGHWAY 412
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: HEW DATE: MAR. 2011 FILENAME: BCA0907X4_S1.DGN
CHECKED BY: ABH DATE: OCT. 2011 SCALE: AS SHOWN
DESIGNED BY: WRF DATE: MAR. 2011
BRIDGE NO. 07307 DRAWING NO. 55242

9/4/2014 10:519 AM
WORKSPACE: AHTD Bridge
\\G:\IT\CON\IT\Projects\2005\0591680 - AHTD Springdale Bypass Drawings\BRC\WHY12\BCA0907X4_S1.dgn
REVISED DATE:

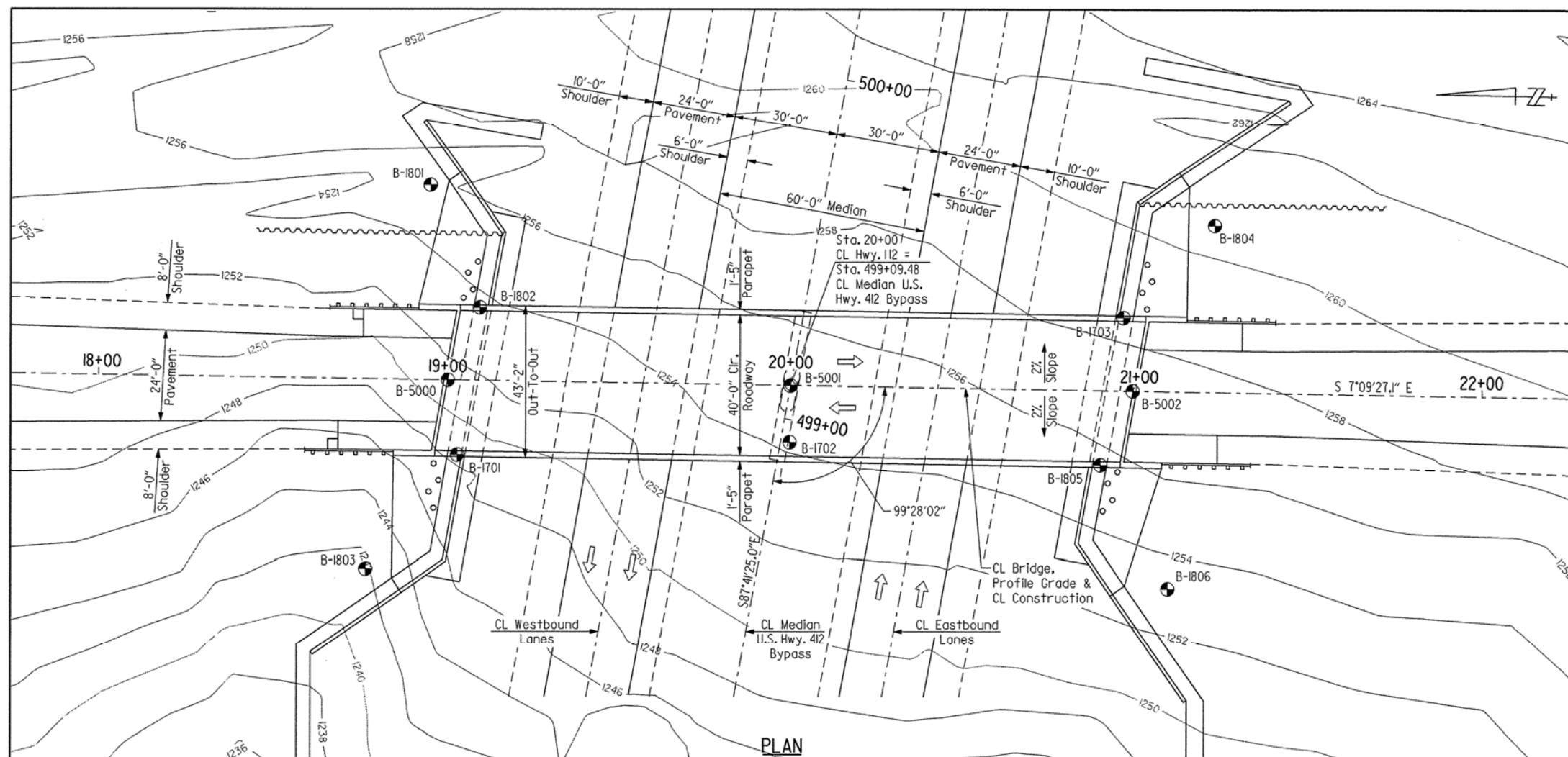
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	375	897
				07307		LAYOUT		55229

BORING LEGEND

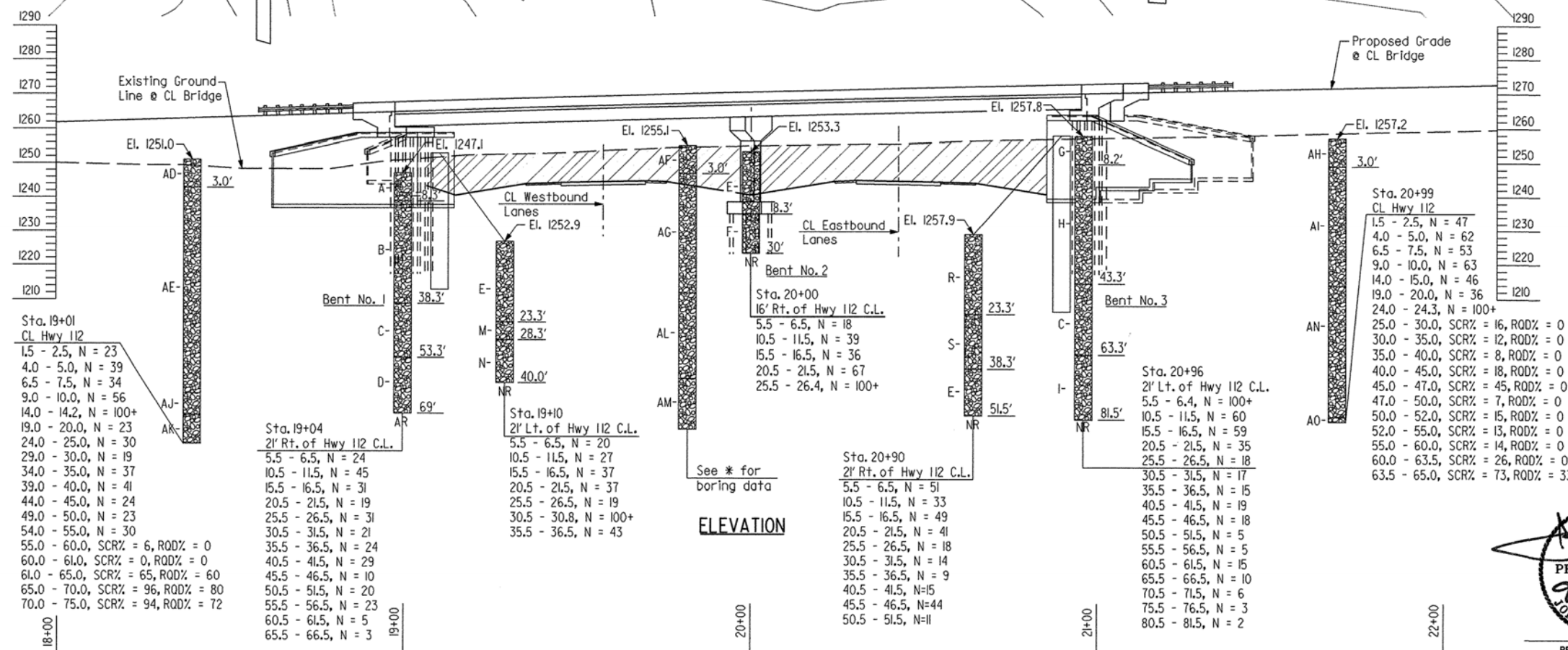
- A - Red, medium dense, silty gravel with sand.
- B - Red, medium dense to dense, silty gravel with sand.
- C - Brown, loose to medium dense, silty gravel with sand.
- D - Brown, very loose to medium dense, silty gravel with sand.
- E - Brown, medium dense to dense, silty gravel with sand.
- F - Brown, very dense, silty gravel with sand.
- G - Red, very dense, silty gravel with sand.
- H - Brown, medium dense to very dense, silty gravel with sand.
- I - Brown & gray, very loose to loose, silty gravel with sand.
- J - Red, loose to very dense, silty gravel with sand.
- K - Red, dense to very dense, silty gravel with sand.
- L - Red, dense, silty gravel with sand.
- M - Brown, medium dense, silty gravel with sand.
- N - Brown & white, dense to very dense, silty gravel with sand.
- O - Brown, dense, silty gravel with sand.
- P - Brown, dense to very dense, silty gravel with sand.
- Q - Red & brown, medium dense to dense, silty gravel with sand.
- R - Tan, reddish brown & white, dense to very dense, silty gravel with sand.
- S - Reddish tan, reddish brown, tan & beige, loose to medium dense, silty gravel with sand.
- T - Red, medium dense to very dense, silty gravel with sand.
- U - White & tan, medium dense to very dense, silty gravel with sand.

LEGEND

- AR - Auger Refusal
- NR - No Refusal



PLAN



ELEVATION

- * Sta. 20+00
CL Hwy 112
1.5 - 2.5, N = 45
4.0 - 5.0, N = 38
6.5 - 7.5, N = 49
9.0 - 10.0, N = 50
14.0 - 14.3, N = 100+
19.0 - 20.0, N = 51
24.0 - 25.0, N = 40
29.0 - 30.0, N = 63
34.0 - 35.0, N = 36
35.0 - 40.0, SCR% = 14, ROD% = 0
40.0 - 45.0, SCR% = 8, ROD% = 0
45.0 - 50.0, SCR% = 18, ROD% = 0
50.0 - 55.0, SCR% = 8, ROD% = 0
55.0 - 60.0, SCR% = 64, ROD% = 42
60.0 - 65.0, SCR% = 96, ROD% = 88
65.0 - 70.0, SCR% = 98, ROD% = 72

- Sta. 20+99
CL Hwy 112
1.5 - 2.5, N = 47
4.0 - 5.0, N = 62
6.5 - 7.5, N = 53
9.0 - 10.0, N = 63
14.0 - 15.0, N = 46
19.0 - 20.0, N = 36
24.0 - 24.3, N = 100+
25.0 - 30.0, SCR% = 16, ROD% = 0
30.0 - 35.0, SCR% = 12, ROD% = 0
35.0 - 40.0, SCR% = 8, ROD% = 0
40.0 - 45.0, SCR% = 18, ROD% = 0
45.0 - 47.0, SCR% = 45, ROD% = 0
47.0 - 50.0, SCR% = 7, ROD% = 0
50.0 - 52.0, SCR% = 15, ROD% = 0
52.0 - 55.0, SCR% = 13, ROD% = 0
55.0 - 60.0, SCR% = 14, ROD% = 0
60.0 - 63.5, SCR% = 26, ROD% = 0
63.5 - 65.0, SCR% = 73, ROD% = 33

- Sta. 20+96
21' Lt. of Hwy 112 C.L.
5.5 - 6.4, N = 100+
10.5 - 11.5, N = 60
15.5 - 16.5, N = 59
20.5 - 21.5, N = 35
25.5 - 26.5, N = 18
30.5 - 31.5, N = 17
35.5 - 36.5, N = 15
40.5 - 41.5, N = 19
45.5 - 46.5, N = 18
50.5 - 51.5, N = 5
55.5 - 56.5, N = 5
60.5 - 61.5, N = 15
65.5 - 66.5, N = 10
70.5 - 71.5, N = 6
75.5 - 76.5, N = 3
80.5 - 81.5, N = 2

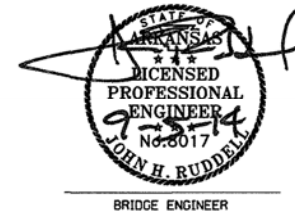
- Sta. 20+90
21' Rt. of Hwy 112 C.L.
5.5 - 6.5, N = 51
10.5 - 11.5, N = 33
15.5 - 16.5, N = 49
20.5 - 21.5, N = 41
25.5 - 26.5, N = 18
30.5 - 31.5, N = 14
35.5 - 36.5, N = 9
40.5 - 41.5, N = 15
45.5 - 46.5, N = 44
50.5 - 51.5, N = 11

- Sta. 19+04
21' Rt. of Hwy 112 C.L.
5.5 - 6.5, N = 24
10.5 - 11.5, N = 45
15.5 - 16.5, N = 31
20.5 - 21.5, N = 19
25.5 - 26.5, N = 31
30.5 - 31.5, N = 21
35.5 - 36.5, N = 24
40.5 - 41.5, N = 29
45.5 - 46.5, N = 10
50.5 - 51.5, N = 20
55.5 - 56.5, N = 23
60.5 - 61.5, N = 5
65.5 - 66.5, N = 3

- Sta. 19+01
CL Hwy 112
1.5 - 2.5, N = 23
4.0 - 5.0, N = 39
6.5 - 7.5, N = 34
9.0 - 10.0, N = 56
14.0 - 14.2, N = 100+
19.0 - 20.0, N = 23
24.0 - 25.0, N = 30
29.0 - 30.0, N = 19
34.0 - 35.0, N = 37
39.0 - 40.0, N = 41
44.0 - 45.0, N = 24
49.0 - 50.0, N = 23
54.0 - 55.0, N = 30
55.0 - 60.0, SCR% = 6, ROD% = 0
60.0 - 61.0, SCR% = 0, ROD% = 0
61.0 - 65.0, SCR% = 65, ROD% = 60
65.0 - 70.0, SCR% = 96, ROD% = 80
70.0 - 75.0, SCR% = 94, ROD% = 72

SHEET 2 OF 7
LAYOUT OF BRIDGE
HIGHWAY 112
OVER U.S. HIGHWAY 412
HWY. 112 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: HEW DATE: MAY 2007 FILENAME: BCA0907X4.L2.DGN
CHECKED BY: JHR DATE: MAY 2007 SCALE: 1"=20'
DESIGNED BY: JRD DATE: MAY 2007
BRIDGE NO. 07307 DRAWING NO. 55229



GENERAL NOTES

BENCH MARK: TBM 924 CPS. 1.80' Rt. Of Sta. 500+43.07
Elevation = 1264.41

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department
Standard Specifications For Highway Construction (2014 Edition) with Applicable
Supplemental Specifications And Special Provisions. Unless otherwise noted in the
plans, section and subsection refer to The Standard Construction Specifications.

DESIGN SPECIFICATIONS: AASHTO LRFD Bridge Design Specifications 4th Edition (2007)
with 2008 Interim Revisions

LIVE LOADING: HL93

SEISMIC PERFORMANCE ZONE: I S_{ps}= 0.125 Site Class = D

MATERIALS AND STRENGTHS:
Class S(AE) - Bridge Concrete (Superstructure) f'c = 4000 psi
Class S - Bridge Concrete (Substructure) f'c = 3500 psi
Reinforcing Steel (AASHTO M31 Or M322 Type A, GR. 60) fy = 60,000 psi
Structural Steel (AASHTO M270, GR. 50) Fy = 50,000 psi
Structural Steel (AASHTO M270, GR. 36) Fy = 36,000 psi

FORM INSERT: State Of Arkansas Form Insert to be used on Retaining Walls (4 Locations).
See Dwg. No. 55234.

TEXTURED COATING FINISH: Class 3 Textured Coating Finish shall be applied to bridge
surfaces as specified in Special Provision Job CA0907 "TEXTURED COATING FINISH"
and in accordance with Subsection 802.19(b)(3). Textured Coating Finish shall not be
applied on surfaces where Class 2 Protective Surface Treatment is applied.

PAINT: All structural steel except galvanized members, some surfaces in contact
with concrete, and as otherwise noted, shall be painted as specified in Subsection
807.75. The color of the paint shall be Dark Brown and shall match Federal
Standard 595B, Color Chip No. 20108.

PREBORING: Preboring is required for all piling in Bent 3 to obtain the minimum pile
penetration requirements. Quantities of preboring shown are for bidding purposes
only. The actual size and depth of preboring are to be determined in the field by
the Engineer. The Contractor shall be responsible for keeping prebored holes free
from debris prior to backfilling which may require casings or other methods. After
driving is completed, the prebored hole shall be backfilled in accordance with
Subsection 805.08(a) to completely fill voids. The backfill and any required casing will
not be paid for directly but shall be considered subsidiary to the item "PREBORING".

STEEL PILING: All Piling shall be HPI2x53 (Grade 50) and shall be driven with an approved
air, steam or diesel hammer to a minimum safe bearing capacity of 95 tons. Drive all piles
in Bents 1 & 3 to a minimum penetration of 15' below leveling pad and all piles in Bent 2 to
a minimum penetration of 15' below bottom of footing. Lengths of piling shown are for
estimating quantities and for use in determining payment for cut-off and build-up in
accordance with Section 805. Actual lengths are to be determined in the field. The
Contractor shall use approved steel H-pile driving points.

The Contractor may drive the piling in Bents 1 and 3 in one of the following sequences:

Piling may be driven after excavation to bottom of leveling pad is complete and prior
to backfilling.

Piling may be driven after embankment construction. Pile casings shall be used for all
piling and shall be installed prior to or during embankment construction, extending
from bottom of leveling pad to bottom of cap. Pile casing material shall have sufficient
strength to retain its original form free from harmful distortions after compaction of
the fill material surrounding it. The minimum inside diameter of the casing shall be 18".
Piles shall be driven through the open casings after embankment to bottom of cap is
in place. After driving is completed, the pile casing shall be backfilled with an approved
non-shrink grout or other approved material in a single continuous operation to
completely fill voids. Pile casings and backfill shall not be paid for directly but shall be
considered subsidiary to the item "STEEL PILING (HPI2x53)".

PILE CASINGS WITHOUT PILES: Additional pile casings will be required in accordance with
Dwg. No. 55239 to provide for future widening. These casings shall be installed during
embankment construction and shall extend from top of leveling pad to approximately
one foot below the finished ground. Pile casing diameter and material shall conform
to the above. No piling shall be driven through these casings, but they shall be kept
clean from debris and capped at the top with a durable waterproof material as
approved by the Engineer. Payment for this work and materials shall be considered
subsidiary to other contract items in the job.

SHORING: Shoring will be required to excavate existing embankment and construct MSE
Retaining Wall Nos. 4 and 5 while maintaining traffic on existing Hwy. 112. Location of the
shoring shall be determined by the Contractor. Shoring shall be constructed and paid
for in accordance with SP JOB CA0907 "SHORING".

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for
final finishing in Subsection 802.19 for Class 5 Tined Bridge Roadway Surface Finish.

CLASS 2 PROTECTIVE SURFACE TREATMENT: Class 2 Protective Surface Treatment shall
be applied to the roadway surface and to the roadway face and top of the
concrete parapet rail.

BORING LOGS: Boring Logs may be obtained from Programs And Contracts Division.

PILE FOOTING: The top of footings shall be set a minimum of 2'-0" below finished ground.
Foundations for footings shall be prepared in accordance with Subsection 801.04 and
backfilled in accordance with Subsection 801.08.

MAINTENANCE OF TRAFFIC: See Roadway Drawings.

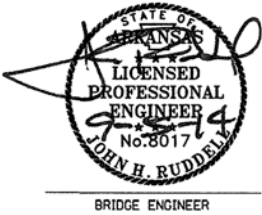
DETAIL DRAWINGS: DRAWING NOS:

End Bents 55235-55239
Intermediate Bent 55240 & 55241
198' Cont. Comp. Plate Girder Unit 55242-55249
Elastomeric Bearings 55250
Type A Approach Gutters 55030A
Concrete Riprap 55002
Steel Piling 55020

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	376	897
				07307		LAYOUT		55230

SHEET 3 OF 7
LAYOUT OF BRIDGE
HIGHWAY 112
OVER U.S. HIGHWAY 412
HWY. 112 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

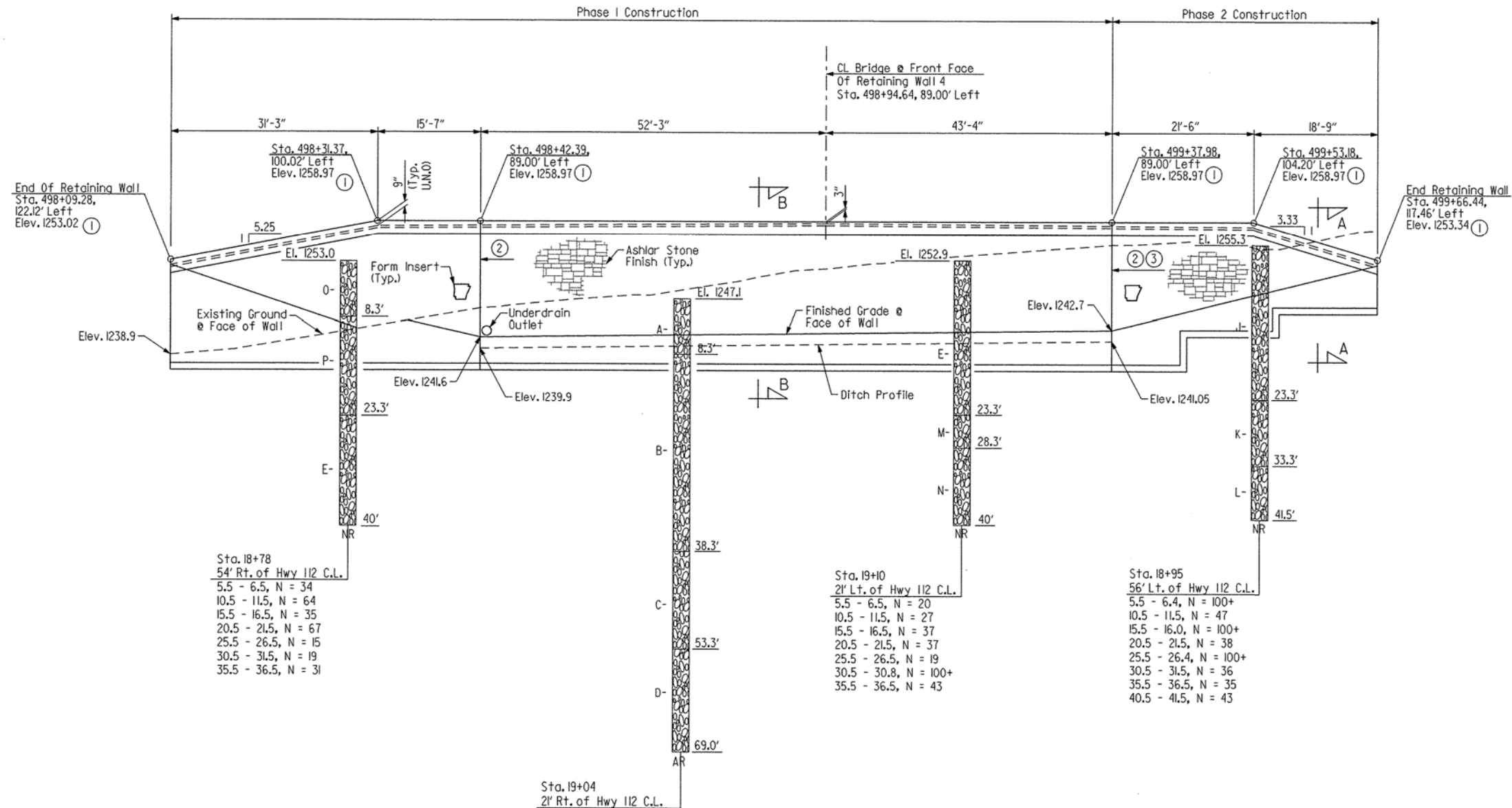
DRAWN BY: HEW DATE: 2008 FILENAME: BCA0907X4.L3.DGN
CHECKED BY: JRD DATE: 2008 SCALE: AS SHOWN
DESIGNED BY: JRD DATE: 2008
BRIDGE NO. 07307 DRAWING NO. 55230



d:\good 9/4/2014 10:54:3 AM
WORKSPACE: AHTD Bridge
\\GLTDCOR\LT\Projects\2005\0591680 - AHTD Spr-Ingdale Bypass\Drawings\BRC\HWY112\BCA0907X4.L3.dgn
REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	377	897
				07307		LAYOUT		55231

- ① Stationing shown is along CL Median.
- ② 45° break in horizontal alignment of retaining wall.
- ③ Construction joint required to accommodate Phase Construction of Wall. Location to be determined by Contractor.



Notes:
 For SECTION A-A & SECTION B-B, see Dwg. No. 55233.
 Offset dimensions are measured from CL Median to outside vertical face of retaining wall.
 For details of form insert, see Dwg. No. 55234.
 Underdrain outlet to penetrate front face of retaining wall.
 For BORING LEGEND, see Dwg. No. 55229.

LEGEND

U.N.O - Unless Noted Otherwise
 AR - Auger Refusal
 NR - No Refusal

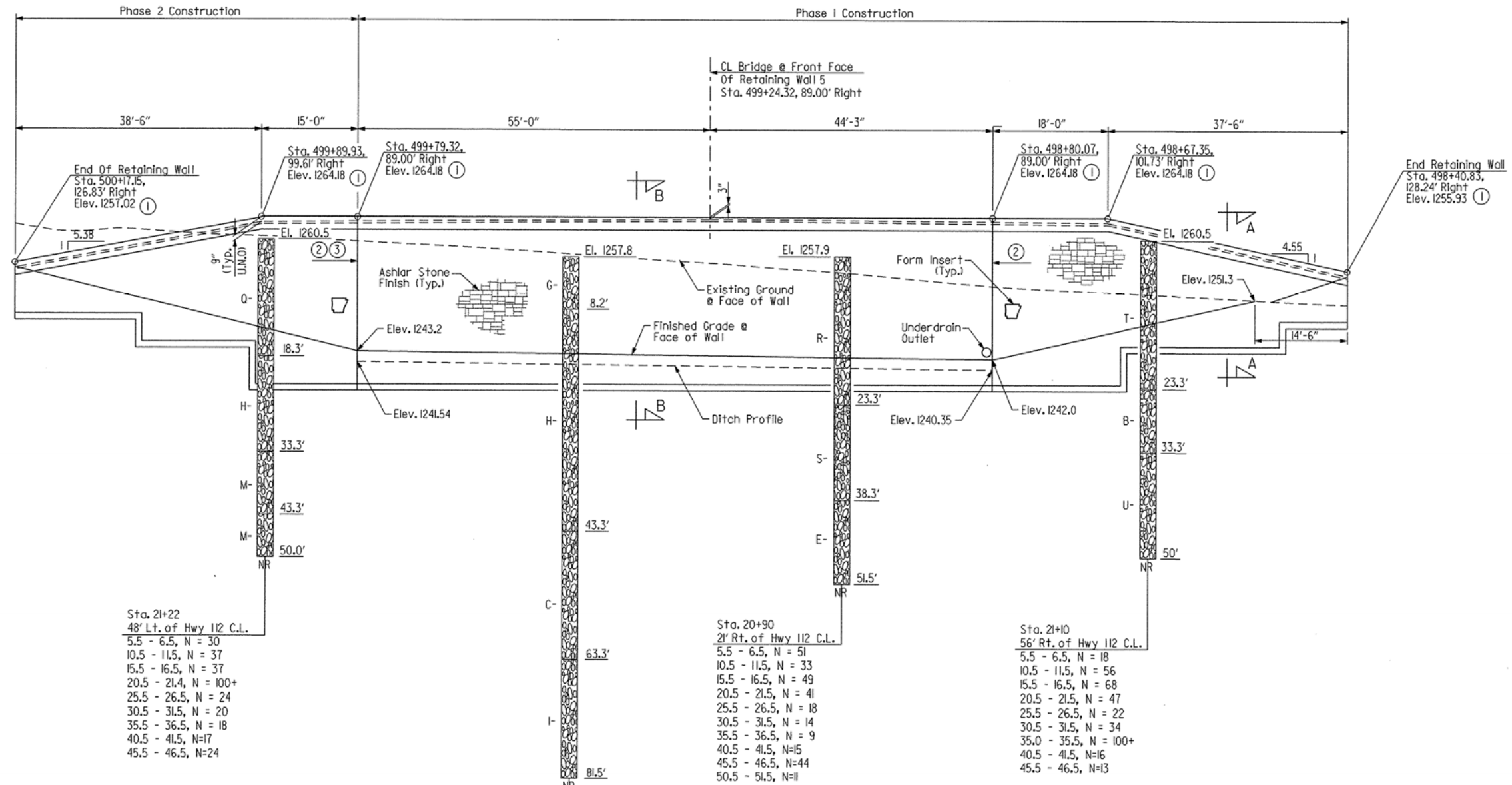
ELEVATION - RETAINING WALL 4
 (Looking From Front Face of Wall)
 Scale: NTS



SHEET 4 OF 7
 LAYOUT OF BRIDGE
 HIGHWAY 112
 OVER U.S. HIGHWAY 412
 HWY. 112 - I-49(S)
 BENTON COUNTY
 ROUTE 412 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: HEW DATE: 2008 FILENAME: BCA0907X4_L4.DGN
 CHECKED BY: MRA/SFH DATE: 2008 SCALE: AS SHOWN
 DESIGNED BY: ABH DATE: 2008
 BRIDGE NO. 07307 DRAWING NO. 55231

- ① Stationing shown is along CL Median.
- ② 45° break in horizontal alignment of retaining wall.
- ③ Construction joint required to accommodate Phase Construction of Wall. Location to be determined by Contractor.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	378	897
				07307		LAYOUT		55232

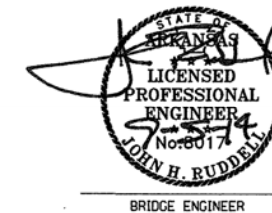


Notes:
For SECTION A-A & SECTION B-B, see Dwg. No. 55233.
Offset dimensions are measured from CL Median to outside vertical face of retaining wall.
For details of form insert, see Dwg. No. 55234.
Underdrain outlet to penetrate front face of retaining wall.
For BORING LEGEND, see Dwg. No. 55229.

LEGEND

UNLO - Unless Noted Otherwise
AR - Auger Refusal
NR - No Refusal

ELEVATION - RETAINING WALL 5
(Looking From Front Face of Wall)
Scale: NTS

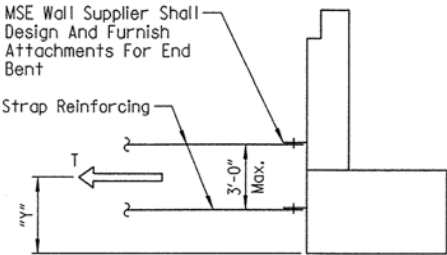


SHEET 5 OF 7
LAYOUT OF BRIDGE
HIGHWAY 112
OVER U.S. HIGHWAY 412
HWY. 112 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: HEW DATE: 2008 FILENAME: BCAA0907X4.L5.DGN
CHECKED BY: SFH DATE: 2008 SCALE: AS SHOWN
DESIGNED BY: ABH DATE: 2008
BRIDGE NO. 07307 DRAWING NO. 55232

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	379	897
				07307		LAYOUT		55233

- ① Excavation required for reinforcing zone, leveling pad and placement of SM-I material will be paid for under the pay item "UNCLASSIFIED EXCAVATION". See SP Job CA0907 "RETAINING WALL".
- Note:
All backfill and drainage fill material within the reinforcement zone shall be included in the price bid for "SELECT GRANULAR MATERIAL". Select material required behind reinforced zone shall be included in the price bid for "SELECTED MATERIAL (CLASS SM-I)". See SP Job CA0907 "RETAINING WALL".
- ② The 4'-0" concrete ditch paving shall be constructed without the 3" weep holes shown on Standard Drawing CDP-1.



END BENT STRAP DETAIL

LIMIT STATE	T	Y
	Kips/Ft.	Ft.
Service Strength	3.0	3

NOTES:

DESIGN SPECIFICATIONS: AASHTO LRFD Bridge Design Specifications 4th Edition (2007) with 2008 Interim Revisions

4" pipe underdrain shall maintain a minimum slope of 1/8" per foot toward nearest outlet.

Elevations are approximate. Wall dimensions may vary depending on wall design selected.

Placement of reinforcing for retaining walls may be affected by end bent construction. See Dwg. Nos. 55235-55239 for pile locations and wingwall details.

For ditch paving, see Standard Dwg. No. CDP-1.

See Special Provision Job CA0907 "RETAINING WALL" for additional information.

Boring logs, including laboratory results, may be obtained from Programs and Contracts Division.

Joint filler, joint sealer, polystyrene foam board and rodent screen will not be paid for directly but will be considered subsidiary to SP Job CA0907 "RETAINING WALL".

See Dwg. No. 55234 for form insert location and details.

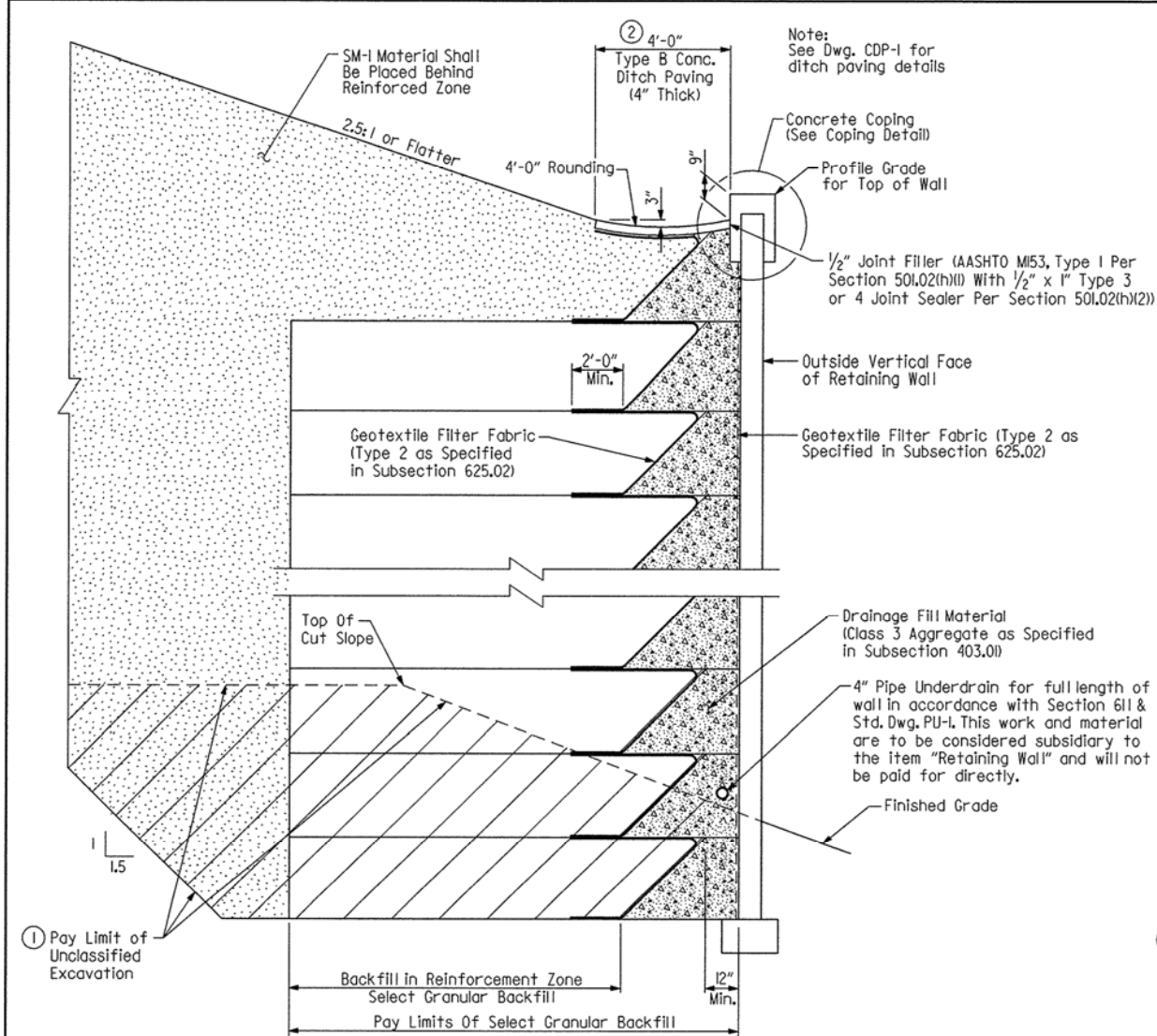
Large scale undercut is not anticipated, however some undercutting and backfilling may be required to satisfy factored bearing resistance requirements based on the final wall design.

Undercutting, if required, shall be backfilled with Select Material (Class SM-I) meeting the requirements of Section 302.

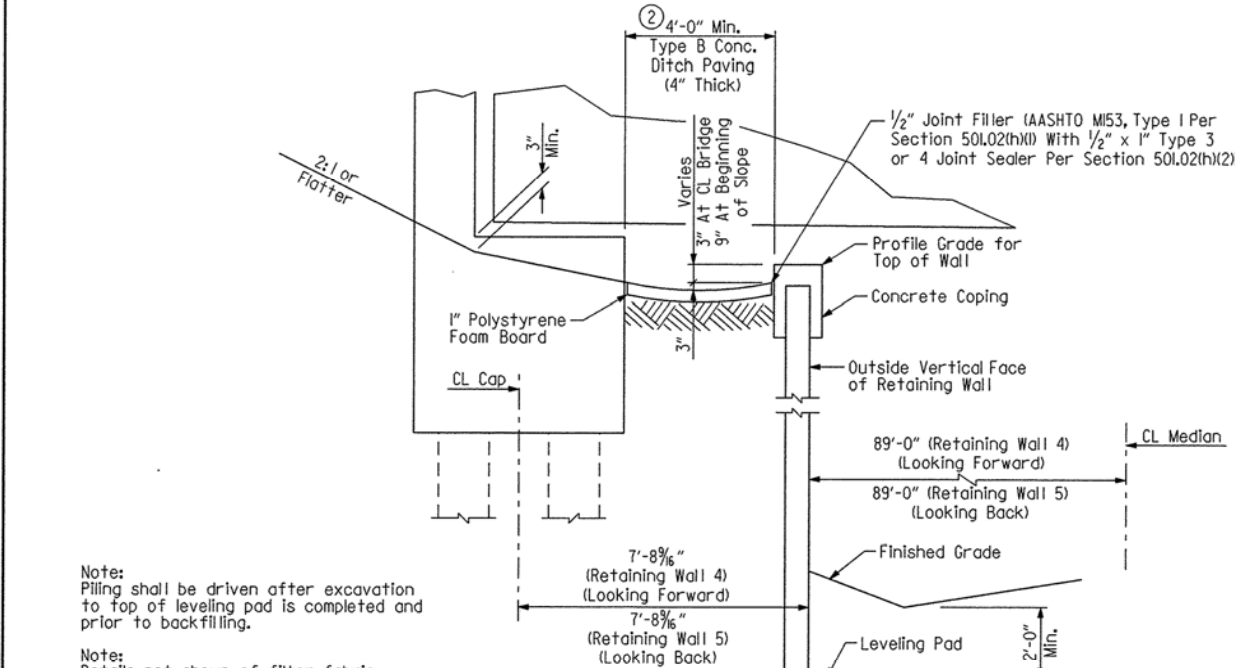
Any excavation and backfill required for undercutting shall be paid for as "Select Material (Class SM-I)" in accordance with SP Job CA0907 "RETAINING WALL".

SHEET 6 OF 7
LAYOUT OF BRIDGE
HIGHWAY 112
OVER U.S. HIGHWAY 412
HWY. 112 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

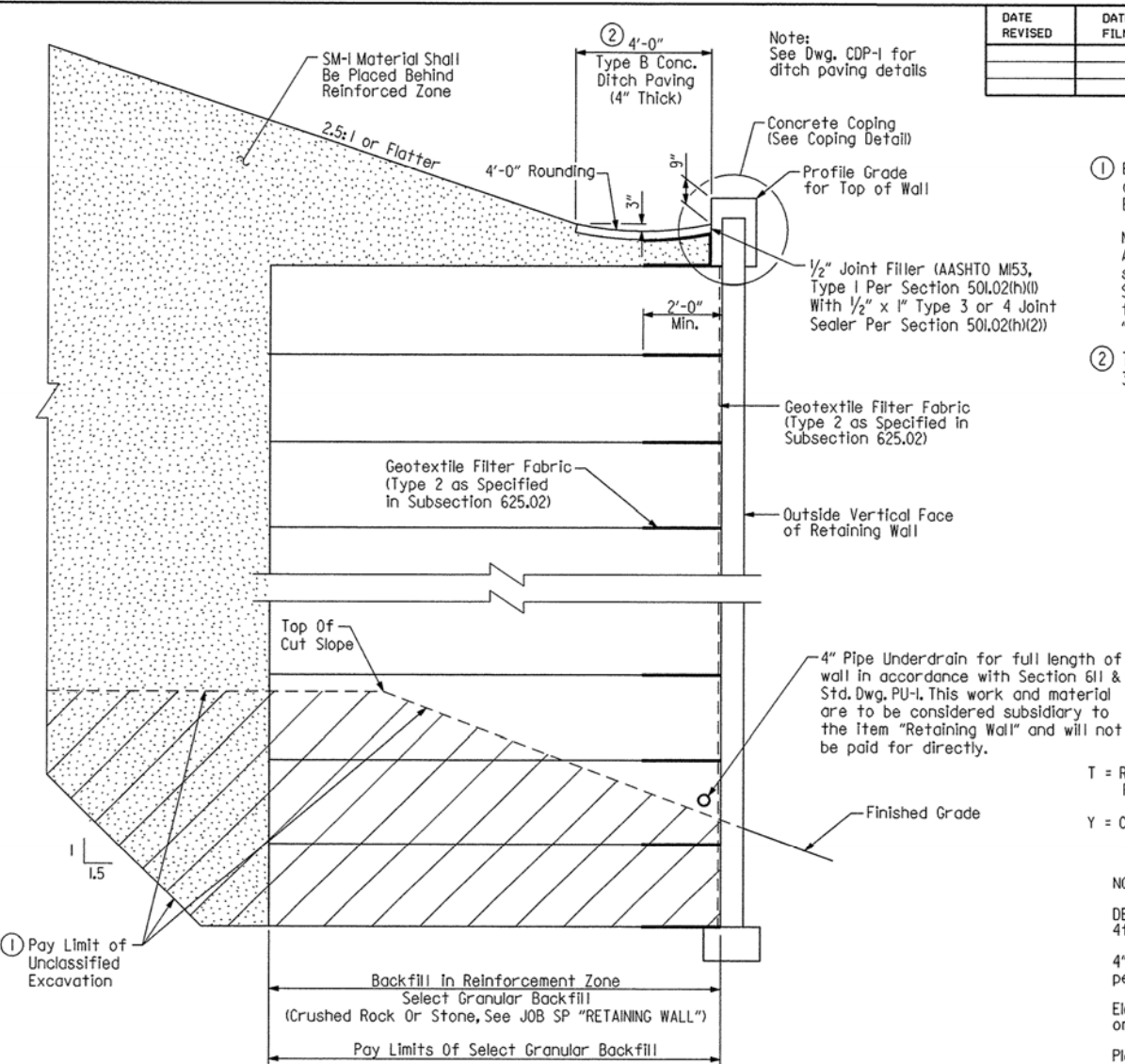
DRAWN BY: HEW DATE: MAR. 2011 FILENAME: BCA0907X4.L6.DGN
CHECKED BY: ABH DATE: OCT. 2011 SCALE: AS SHOWN
DESIGNED BY: WRF DATE: MAR. 2011
BRIDGE NO. 07307 DRAWING NO. 55233



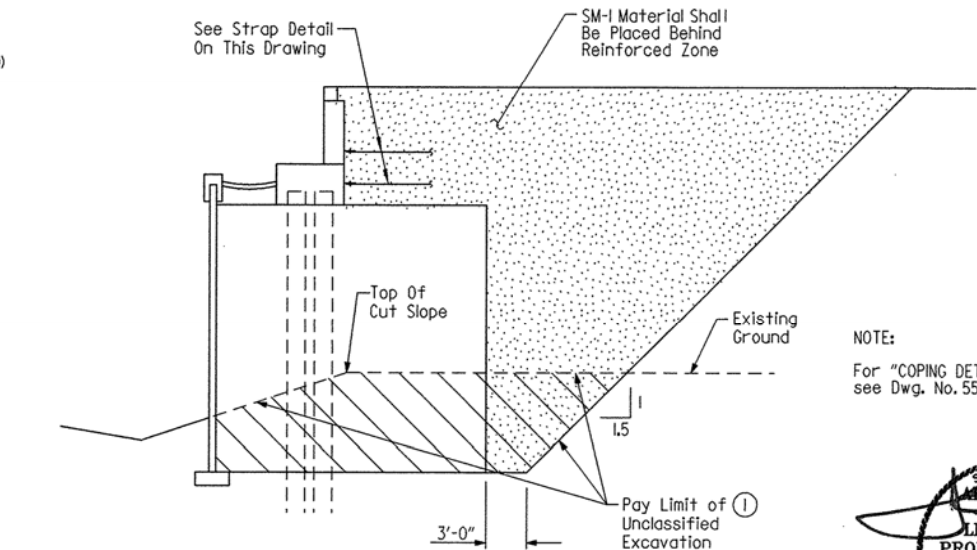
SECTION A-A
(Backfill Method A)
No Scale



SECTION B-B
No Scale

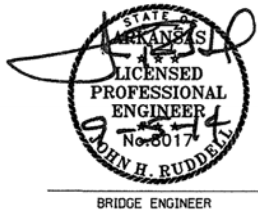


SECTION A-A
(Backfill Method B)
No Scale



EMBANKMENT DETAIL
No Scale

NOTE:
For "COPING DETAIL" and "OUTLET DETAIL", see Dwg. No. 55234.

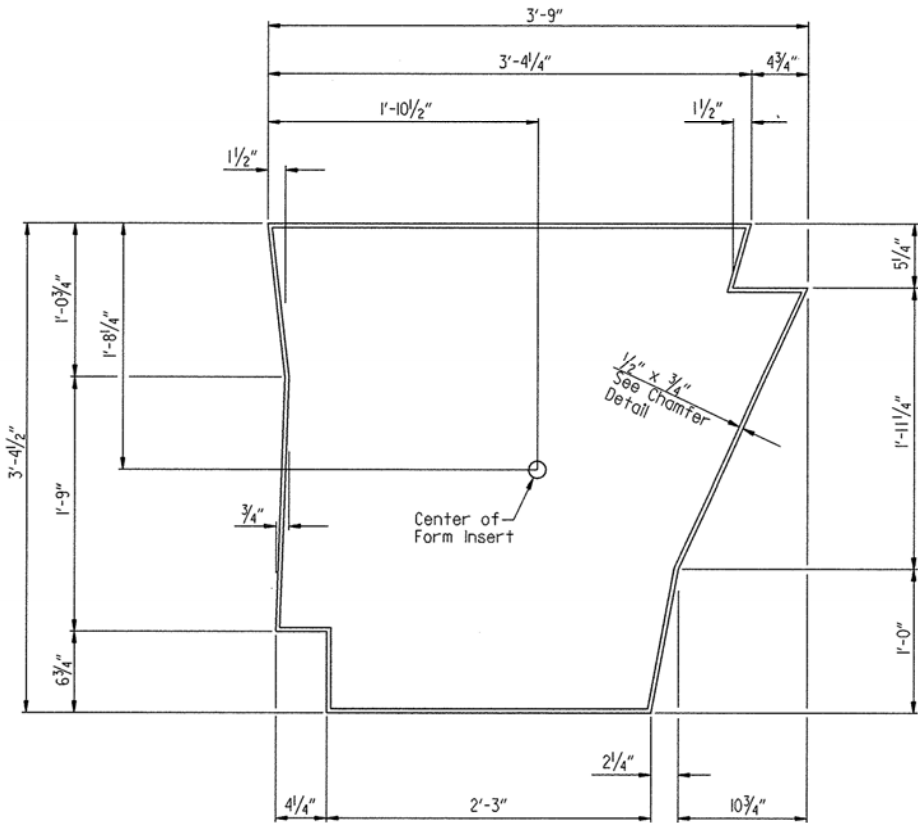


9/4/2014 10:51:44 AM
WORKSPACE: AHTD Bridge
\\GLTDCON\IT\Projects\2005\0591680 - AHTD Spr-Ingdale Bypass Drawings\BRC HWY112\BCA0907X4.L6.dgn
REVISED DATE:

Note:
Piling shall be driven after excavation to top of leveling pad is completed and prior to backfilling.

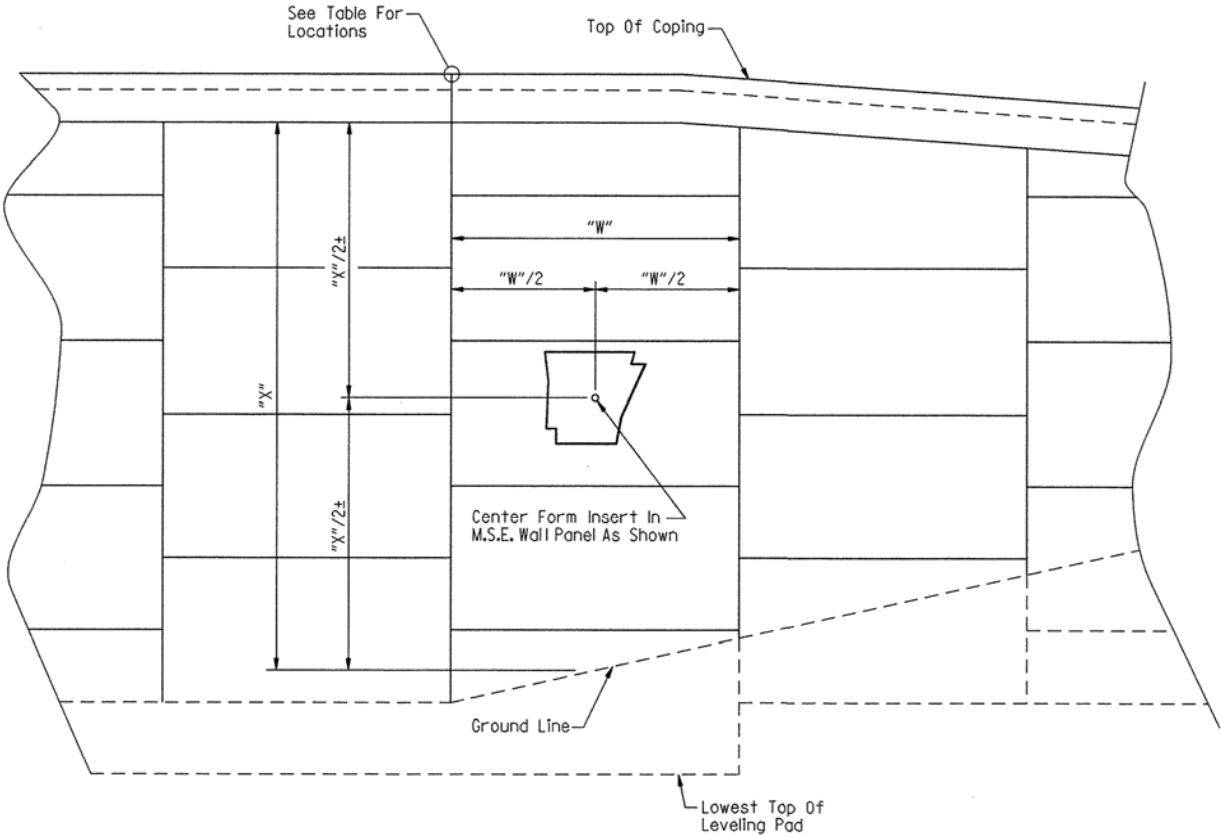
Note:
Details not shown of filter fabric, drainage fill, backfill and pay limits of unclassified excavation are similar to SECTION A-A.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0907	380	897
				07307		ARK. FORM INSERT		55234



Note:
Use form insert on designated walls as noted
on details of M.S.E. Walls, Dwg. Nos. 55231 & 55232.

FORM INSERT DETAILS AT MSE WALL
Scale: 1 1/2" = 1'-0"



DEVELOPED ELEVATION AT MSE WALL
Scale: NTS

LOCATION OF FORM INSERT	
Location	Station
Retaining Wall 4	498+42.39 And 499+37.98
Retaining Wall 5	498+80.07 And 499+79.32

GENERAL NOTES:

Fabricate form insert as a one piece unit, without the use of splices, joints or glue.

Wash and clean multi-use form inserts before each use.

All work and materials for inserts shall be included in the unit price bid for the item "RETAINING WALL".

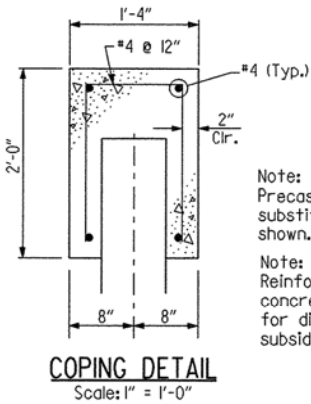
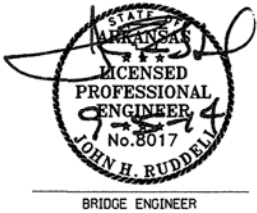
Damaged or worn form inserts shall be replaced at the Contractor's expense.

The form shall be approved by the Engineer before its use.

Recessed Image (including chamfers) of State of Arkansas insert shall be given a Class 3 Textured Coating Finish as specified in SP Job CA0907 "TEXTURED COATING FINISH."

SHEET 7 OF 7
LAYOUT OF BRIDGE
HIGHWAY I12
OVER U.S. HIGHWAY 412
HWY. I12 - I-49(S)
BENTON COUNTY
ROUTE 412 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: HEW DATE: FEB. 2011 FILENAME: BCA0907X4.L7.DGN
CHECKED BY: ABH DATE: OCT. 2011 SCALE: AS SHOWN
DESIGNED BY: PCC DATE: FEB. 2011
BRIDGE NO. 07307 DRAWING NO. 55234



Note:
Precast concrete coping may be substituted for cast-in-place coping shown.

Note:
Reinforcing steel and concrete for concrete coping shall not be paid for directly but will be considered subsidiary to the item "RETAINING WALL".

