

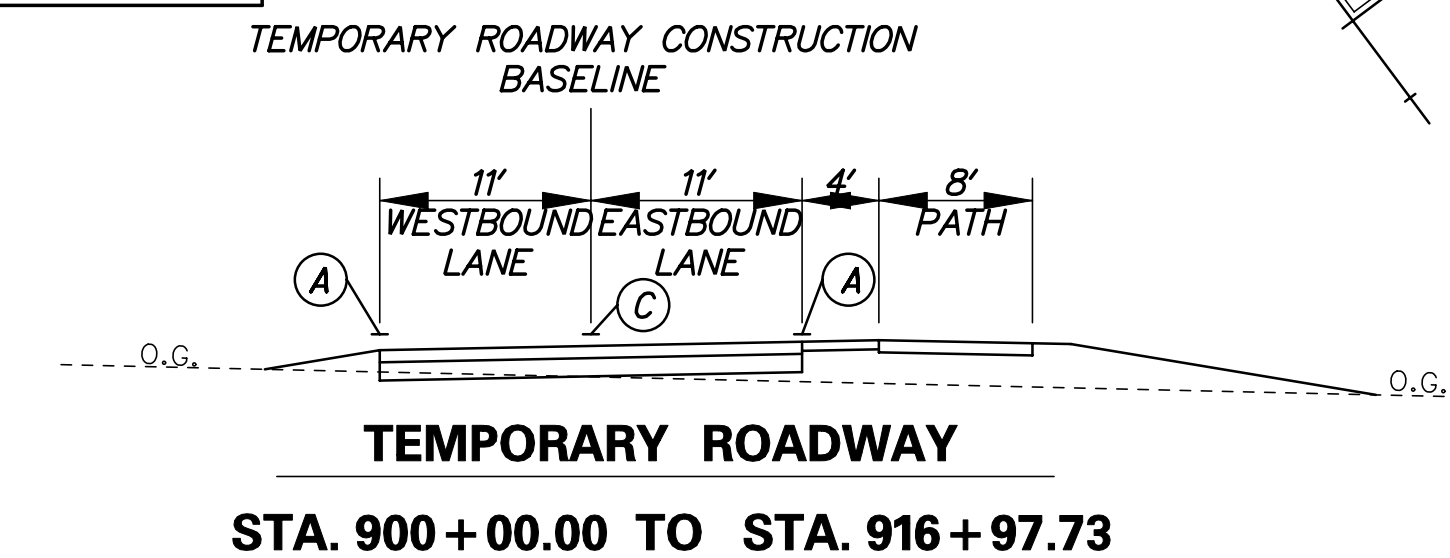
**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO BUNKER HILL TEMPORARY ROAD AND LANES DESIGNATED FOR PHASE 2-2.
- 4 SHIFT PEDESTRIAN TRAFFIC FROM EXISTING PATH TO BUNKER HILL TEMPORARY ROAD PATH.
- 5 INSTALL DRUMS ALONG EDGE OF PHASE 2-2 CONSTRUCTION AREA.
- 6 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 7 WHILE TRUCK CROSSING IS ACTIVE UTILIZE TRAFFIC CONTROL CONFORMING TO TA-14B OF THE DELAWARE MUTCD.
- 8 CONSTRUCT PROPOSED BUNKER HILL ROAD AND BRIDGE AS SHOWN. INSTALL DRAINAGE INLET DI 300 AND ADJUST SWALE TO MAINTAIN DRAINAGE AS PROPOSED BUNKER HILL ROAD FILL IS PLACED.
- 9 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- 10 REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-3A TRAFFIC CONTROL.

EROSION CONTROL BLANKET				
NO.	SY	LENGTH	WIDTH	TYPE
306	912	300'	20'	3
307	2920	600'	40'	3
308	210	315'	6'	5
309	545	200'	40'	3
310	2271	400'	40'	3
311	194	291'	6'	5
312	984	164'	6'	5
313	3808	700'	40'	3
314	197	295'	6'	5

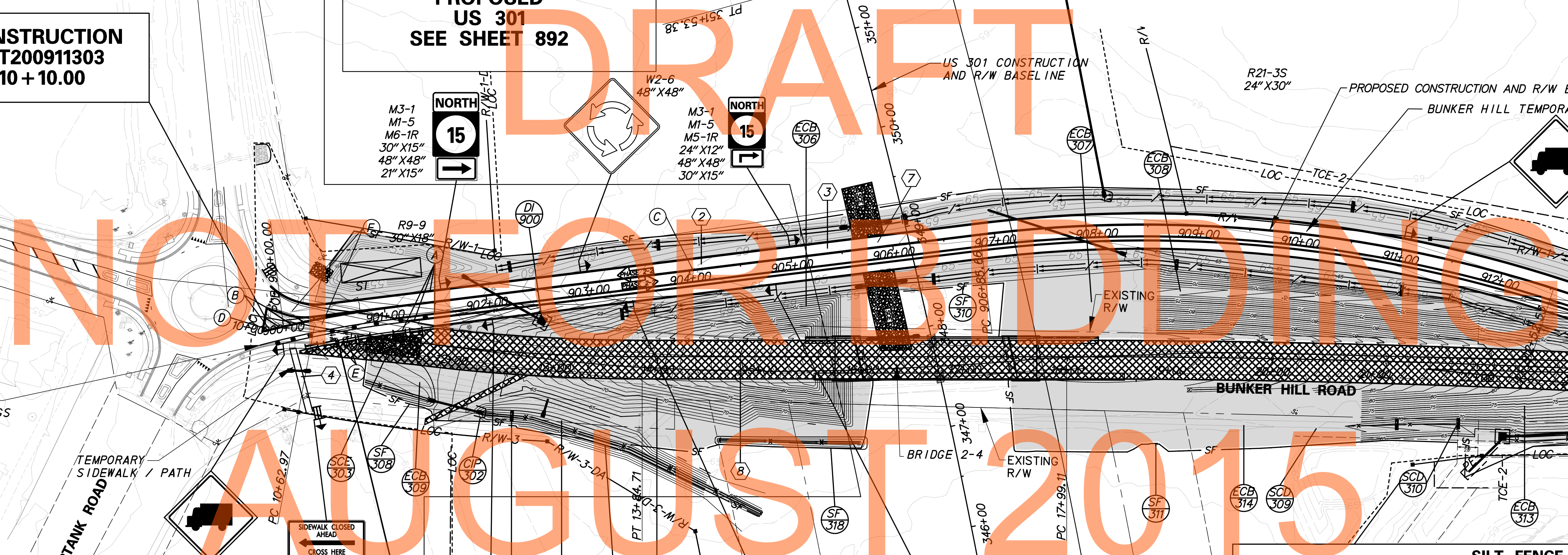
STONE CHECK DAM			
NO.	D. AREA	DEPTH	STATION
308	1.14	1.00	12+62
309	0.29	1.00	21+20
310	0.43	1.00	21+84

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW



**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 10+10.00**

**PROPOSED  
US 301  
SEE SHEET 892**



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
D	YELLOW TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	73 SF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	21 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	INV. EL.
900	902+48.13	25.80	34" X 18"	1	60.50	58.43

SILT FENCE			
NO	STATION FROM	STATION TO	LENGTH
308	11+18	11+88	106 LF
309	11+90	14+99	452 LF
310	16+40	17+33	150 LF
311	17+42	24+00	726 LF
318	13+74	16+00	294 LF

STABILIZED CONSTRUCTION ENTRANCE			
NO.	STA.	LENGTH	WIDTH
303	11+15	50'	20'

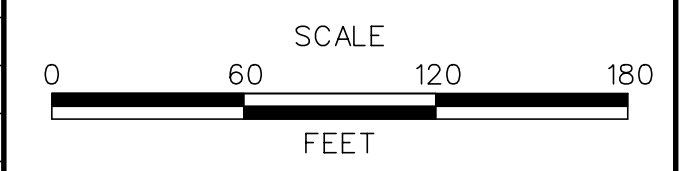
CULVERT INLET PROTECTION		
NO.	D. AREA	STATION
302	1.14	12+34

**BUNKER HILL ROAD**

NOTE: FOR BUNKER HILL TEMPORARY ROAD ALIGNMENT SEE HORIZONTAL AND VERTICAL CONTROL PLANS.  
FOR BUNKER HILL TEMPORARY ROAD TYPICAL SECTIONS SEE SHEET 951-952.



ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 2-2**

CS-85
SHEET NO.
946
TOTAL SHTS.
1256

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MATCHLINE STA. 24+00 SEE SHEET CS-86



**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO BUNKER HILL TEMPORARY ROAD AND LANES DESIGNATED FOR PHASE 2-2.
- 4 SHIFT PEDESTRIAN TRAFFIC FROM EXISTING PATH TO BUNKER HILL TEMPORARY ROAD PATH.
- 5 INSTALL DRUMS ALONG EDGE OF PHASE 2-2 CONSTRUCTION AREA.
- 6 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 7 WHILE TRUCK CROSSING IS ACTIVE UTILIZE TRAFFIC CONTROL CONFORMING TO TA-14B OF THE DELAWARE MUTCD.
- 8 CONSTRUCT PROPOSED BUNKER HILL ROAD AND BRIDGE AS SHOWN. INSTALL DRAINAGE INLET DI 900 AND ADJUST SWALE TO MAINTAIN DRAINAGE AS BUNKER HILL ROAD FILL IS PLACED.
- 9 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- 10 REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-3A TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

- WORK AREA THIS PHASE
- TEMPORARY CONSTRUCTION
- EROSION CONTROL BLANKET
- EXISTING TRAFFIC FLOW ARROW
- TEMPORARY WHITE PAVEMENT MARKING ARROW

**STONE CHECK DAM**

NO.	D. AREA	DEPTH	STATION
311	0.35	1.00	25+57
312	0.21	1.00	28+80
313	0.08	1.00	32+34
314	0.20	1.00	31+94

**SILT FENCE**

NO	STATION FROM	STATION TO	LENGTH
312	24+00	33+93	998 LF
313	27+57	28+63	110 LF
314	29+07	36+09	708 LF

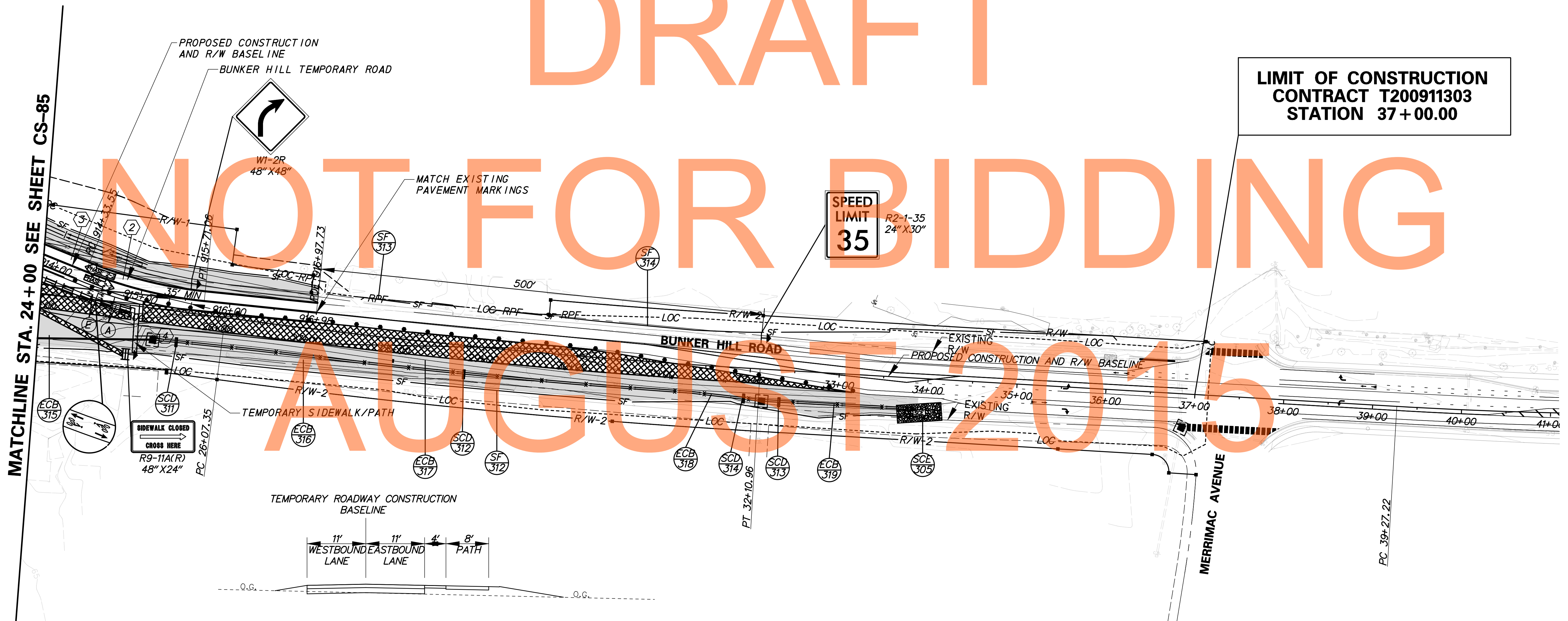
**EROSION CONTROL BLANKET**

NO.	SY	LENGTH	WIDTH	TYPE
315	166	100'	15'	3
316	601	900'	6'	5
317	2406	900'	20'	3
318	53	80'	6'	5
319	118	176'	6'	5

**STABILIZED CONSTRUCTION ENTRANCE**

NO.	STA.	LENGTH	WIDTH
305	34+17	50'	20'

DRAFT  
NOT FOR BIDDING  
AUGUST 2015



MATCHLINE STA. 24+00 SEE SHEET CS-85

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 37+00.00**

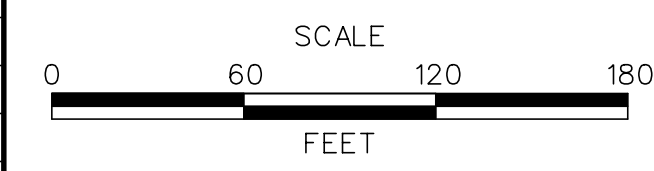
**TEMPORARY ROADWAY  
STA. 900+00.00 TO STA. 916+97.73**

NOTE: FOR BUNKER HILL TEMPORARY ROAD ALIGNMENT SEE HORIZONTAL AND VERTICAL CONTROL PLANS.  
FOR BUNKER HILL TEMPORARY ROAD TYPICAL SECTIONS SEE SHEET 951-952.

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ADDENDUMS / REVISIONS



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT T200911303	BRIDGE NO.	
COUNTY NEW CASTLE	DESIGNED BY:	EM
	CHECKED BY:	MT

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 2-2**

CS-86
SHEET NO. 947
TOTAL SHTS. 1256

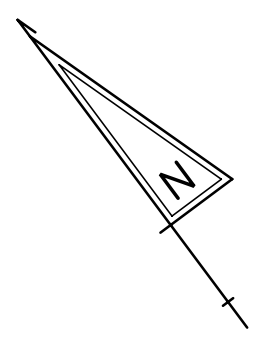


**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO THE LANES DESIGNATED FOR PHASE 2-3A.
- 4 INSTALL DRUMS ALONG EDGE OF PHASE 2-3A CONSTRUCTION AREA.
- 5 WHILE TRUCK CROSSING IS ACTIVE UTILIZE TRAFFIC CONTROL CONFORMING TO TA-14B OF THE DELAWARE MUTCD.
- 6 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 7 CONSTRUCT PORTION OF BUNKER HILL ROAD AS SHOWN UNDER SHORT TERM LANE CLOSURE AND LANE SHIFT CONFORMING TO TA-10 OF THE DELAWARE MUTCD WITH THE ADDITIONAL FLAGGERS SHOWN. FLAGGERS SHALL CONTROL TRAFFIC FLOW ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. A LEAD FLAGGER SHALL BE DESIGNATED AND RADIO COMMUNICATION SHALL BE USED BY THE FLAGGERS. A SUPPLEMENTAL FLAGGER SHALL BE USED IN THE ROUNDABOUT ISLAND TO HELP DIRECT TRAFFIC. WORK MUST BE COMPLETED BY END OF CONSTRUCTION DAY.
- 8 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- 9 REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-3B TRAFFIC CONTROL.

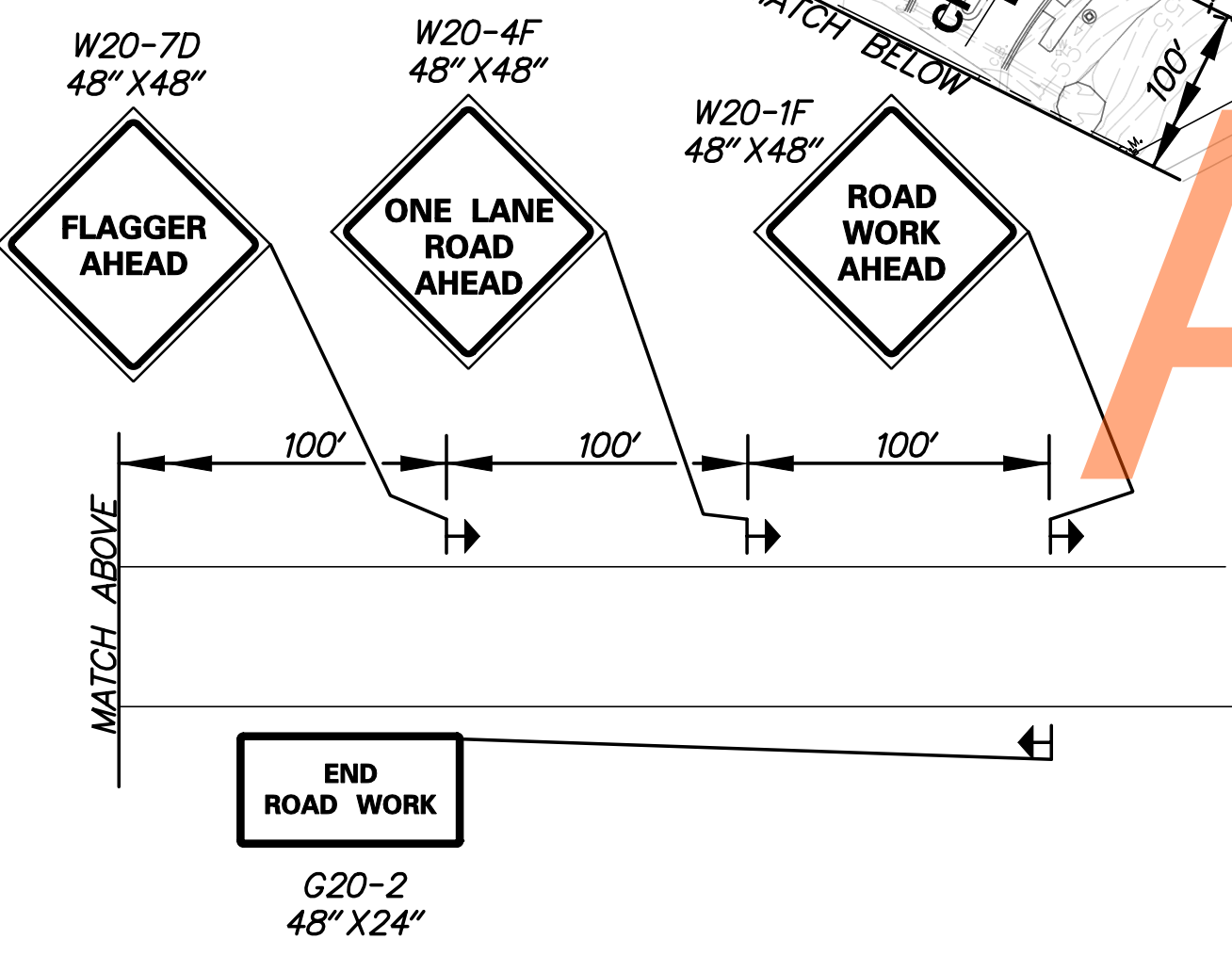
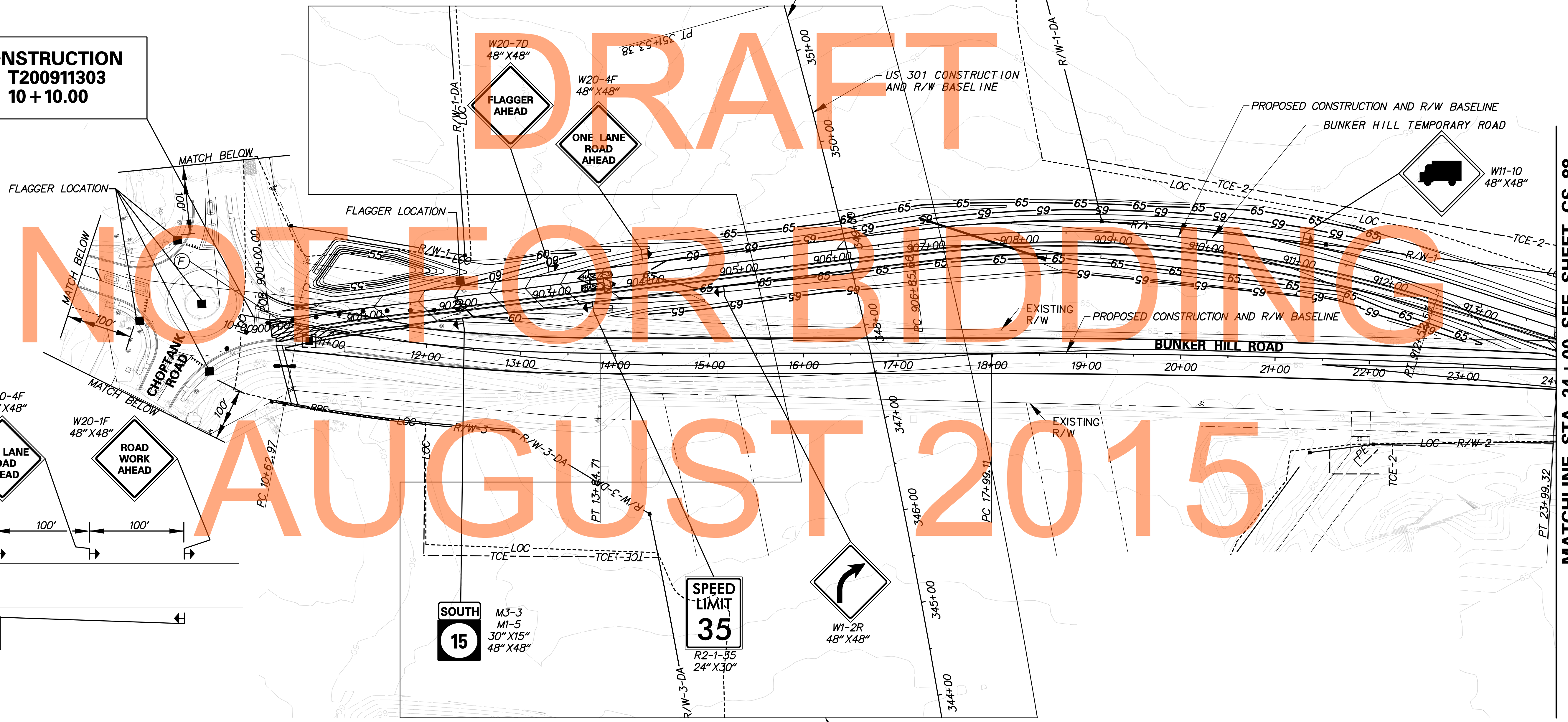
**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW



**PROPOSED  
US 301  
SEE SHEET 892**

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 10+10.00**



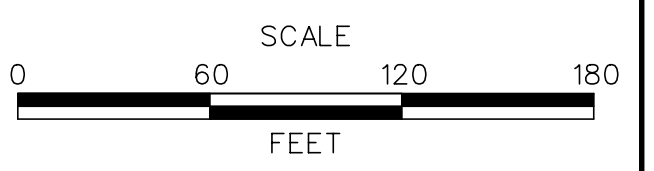
**MATCHLINE STA. 24+00 SEE SHEET CS-88**

REFER TO US 301, CONSTRUCTION, PHASING, M.O.T., AND EROSION CONTROL PLANS  
NOTE: FOR BUNKER HILL TEMPORARY ROAD ALIGNMENT SEE HORIZONTAL AND VERTICAL CONTROL PLAN. FOR BUNKER HILL TEMPORARY ROAD TYPICAL SECTIONS SEE SHEET 951-952.

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ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT	T200911303	BRIDGE NO.	
COUNTY	NEW CASTLE	DESIGNED BY:	EM
		CHECKED BY:	MT

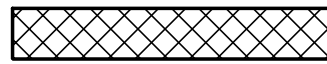
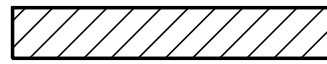

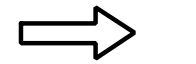

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN -  
PHASE 2-3A**

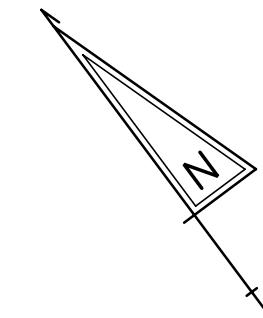
CS-87	SHEET NO.	948
	TOTAL SHTS.	1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO THE LANES DESIGNATED FOR PHASE 2-3A.
- ④ INSTALL DRUMS ALONG EDGE OF PHASE 2-3A CONSTRUCTION AREA.
- ⑤ WHILE TRUCK CROSSING IS ACTIVE UTILIZE TRAFFIC CONTROL CONFORMING TO TA-14B OF THE DELAWARE MUTCD.
- ⑥ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑦ CONSTRUCT PORTION OF BUNKER HILL ROAD AS SHOWN UNDER SHORT TERM LANE CLOSURE AND LANE SHIFT CONFORMING TO TA-10 OF THE DELAWARE MUTCD WITH THE ADDITIONAL FLAGGERS SHOWN. FLAGGERS SHALL CONTROL TRAFFIC FLOW ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. A LEAD FLAGGER SHALL BE DESIGNATED AND RADIO COMMUNICATION SHALL BE USED BY THE FLAGGERS. A SUPPLEMENTAL FLAGGER SHALL BE USED IN THE ROUNDABOUT ISLAND TO HELP DIRECT TRAFFIC. WORK MUST BE COMPLETED BY END OF CONSTRUCTION DAY.
- ⑧ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- ⑨ REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-3B TRAFFIC CONTROL.

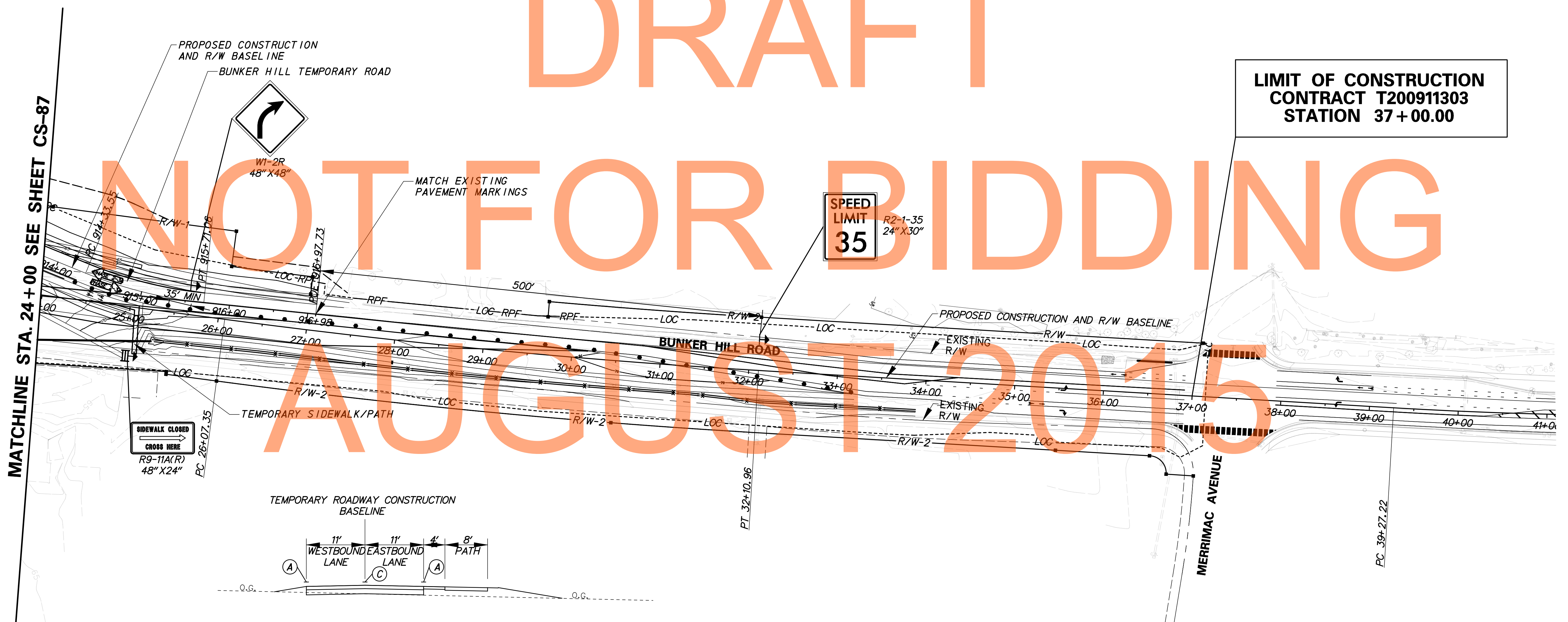
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW



DRAFT

NOT FOR BIDDING

AUGUST 2015



MATCHLINE STA. 24+00 SEE SHEET CS-87

**LIMIT OF CONSTRUCTION**  
**CONTRACT T200911303**  
**STATION 37+00.00**

**TEMPORARY ROADWAY**  
**STA. 900+00.00 TO STA. 916+97.73**

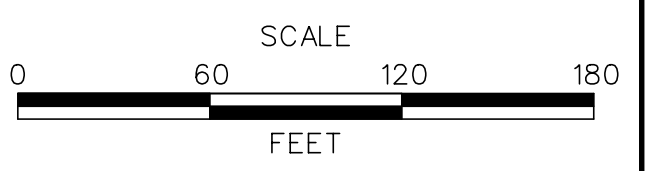
**BUNKER HILL ROAD**

NOTE: FOR BUNKER HILL TEMPORARY ROAD ALIGNMENT SEE HORIZONTAL AND VERTICAL CONTROL PLANS.  
 FOR BUNKER HILL TEMPORARY ROAD TYPICAL SECTIONS SEE SHEET 951-952.

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ADDENDUMS / REVISIONS	



**US 301**  
**LEVELS ROAD**  
**TO BUNKER HILL ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,**  
**M.O.T., AND EROSION**  
**CONTROL PLAN -**  
**PHASE 2-3A**

CS-88
SHEET NO.
949
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO THE LANES DESIGNATED FOR PHASE 2-3B.
- 4 INSTALL DRUMS ALONG EDGE OF PHASE 2-3B CONSTRUCTION AREA.
- 5 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 6 CONSTRUCT PORTION OF BUNKER HILL ROAD AS SHOWN UNDER SHORT TERM LANE CLOSURE AND LANE SHIFT CONFORMING TO TA-10 OF THE DELAWARE MUTCD WITH THE ADDITIONAL FLAGGERS SHOWN. FLAGGERS SHALL CONTROL TRAFFIC FLOW ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. A LEAD FLAGGER SHALL BE DESIGNATED AND RADIO COMMUNICATION SHALL BE USED BY THE FLAGGERS. A SUPPLEMENTAL FLAGGER SHALL BE USED IN THE ROUNDABOUT ISLAND TO HELP DIRECT TRAFFIC. WORK MUST BE COMPLETED BY END OF CONSTRUCTION DAY.
- 7 CONSTRUCT PROPOSED TRAFFIC ISLAND.
- 8 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- 9 REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-4A TRAFFIC CONTROL.

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748032)	3975 LF
B	5" SOLID YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748032)	306 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748032)	2780 LF
D	5" DASHED WHITE TEMPORARY PAVEMENT STRIPING, 3' LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF

**PROPOSED  
US 301  
SEE SHEET 892**

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 10+10.00**

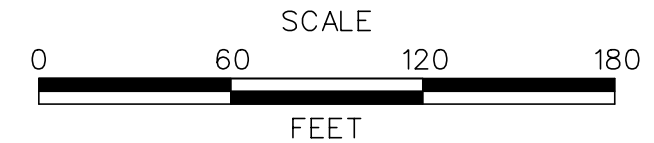


MATCHLINE STA. 24+00 SEE SHEET CS-90

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ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT T200911303	BRIDGE NO.	
COUNTY NEW CASTLE	DESIGNED BY:	EM
	CHECKED BY:	MT

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN -  
PHASE 2-3B**

CS-89	SHEET NO.	950
	TOTAL SHTS.	1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO THE LANES DESIGNATED FOR PHASE 2-3B.
- ④ INSTALL DRUMS ALONG EDGE OF PHASE 2-3B CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ CONSTRUCT PORTION OF BUNKER HILL ROAD AS SHOWN UNDER SHORT TERM LANE CLOSURE AND LANE SHIFT CONFORMING TO TA-10 OF THE DELAWARE MUTCD WITH THE ADDITIONAL FLAGGERS SHOWN. FLAGGERS SHALL CONTROL TRAFFIC FLOW ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. A LEAD FLAGGER SHALL BE DESIGNATED AND RADIO COMMUNICATION SHALL BE USED BY THE FLAGGERS. A SUPPLEMENTAL FLAGGER SHALL BE USED IN THE ROUNDABOUT ISLAND TO HELP DIRECT TRAFFIC. WORK MUST BE COMPLETED BY END OF CONSTRUCTION DAY.
- ⑦ CONSTRUCT PROPOSED TRAFFIC ISLAND.
- ⑧ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- ⑨ REMOVE/RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-4A TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

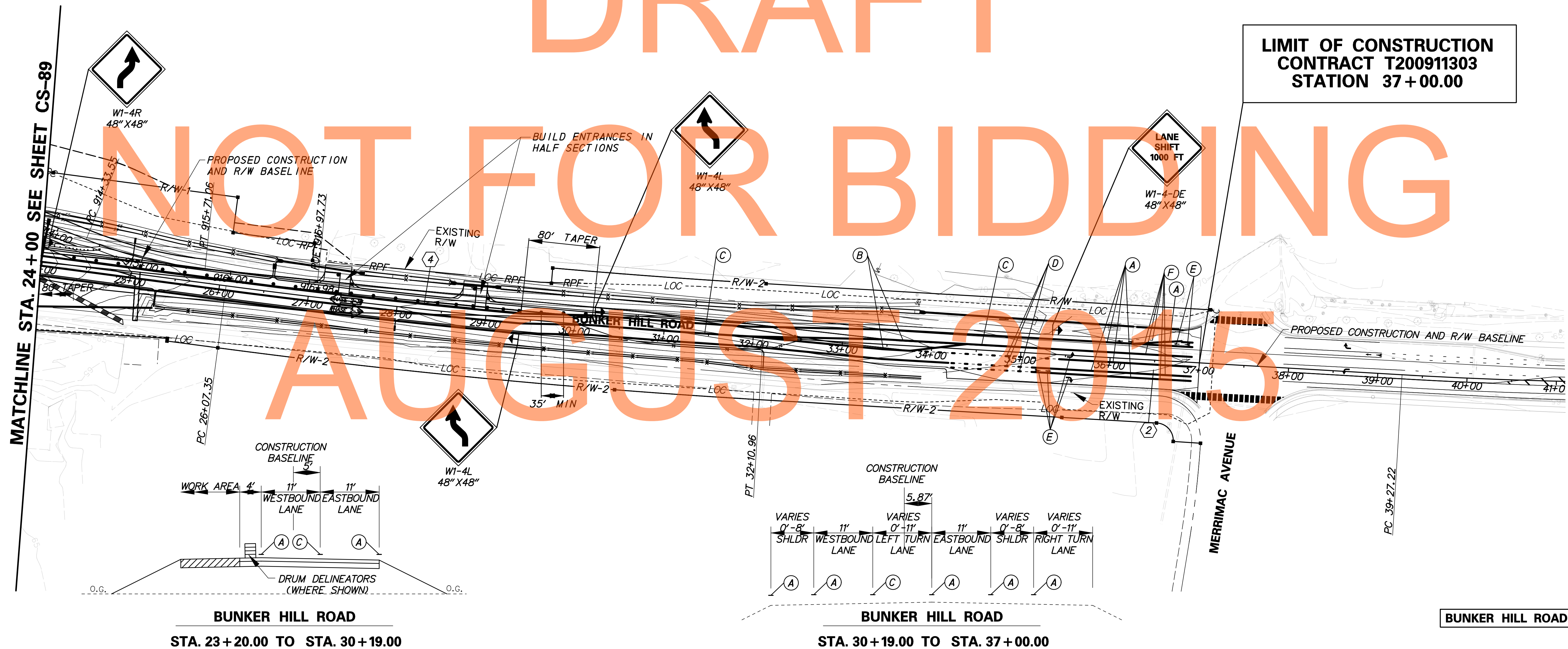
**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2877 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	543 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1982 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12' GAP (ITEM 748032)	72 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	49 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	2528 SF

DRAFT

NOT FOR BIDDING

AUGUST 2015

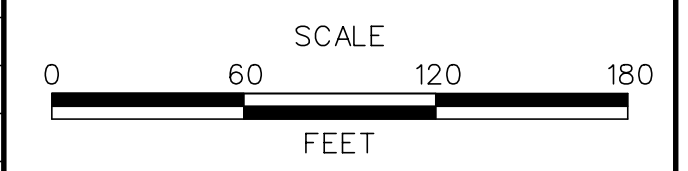


**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 37+00.00**

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ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT	T200911303	BRIDGE NO.	
COUNTY	NEW CASTLE	DESIGNED BY:	EM
		CHECKED BY:	MT

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN -  
PHASE 2-3B**

CS-90	SHEET NO.	951
	TOTAL SHTS.	1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO BUNKER HILL ROAD LANES DESIGNATED FOR PHASE 2-4A.
- ④ INSTALL DRUMS ALONG EDGE OF PHASE 2-4A CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ REMOVE BUNKER HILL TEMPORARY ROAD.
- ⑦ CONSTRUCT DRAINAGE SWALES ON NORTH SIDE OF BUNKER HILL ROAD.
- ⑧ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- ⑨ REMOVE / RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-4B TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**PROPOSED  
US 301  
SEE SHEET 892**

**SILT FENCE**

NO	STATION FROM	STATION TO	LENGTH
315	11+36	16+00	511 LF
316	17+33	18+65	484 LF
319	18+83	24+00	517 LF

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 10+10.00**

DRAFT  
NOT FOR BIDDING  
AUGUST 2015



MATCHLINE STA. 24+00 SEE SHEET CS-92

**BUNKER HILL ROAD  
STA. 12+00.00 TO STA. 23+20.00**

**BUNKER HILL ROAD  
STA. 23+20.00 TO STA. 30+19.00**

REFER TO US 301, CONSTRUCTION, PHASING, M.O.T., AND EROSION CONTROL PLANS

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**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO BUNKER HILL ROAD LANES DESIGNATED FOR PHASE 2-4A.
- 4 INSTALL DRUMS ALONG EDGE OF PHASE 2-4A CONSTRUCTION AREA.
- 5 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 6 REMOVE BUNKER HILL TEMPORARY ROAD.
- 7 CONSTRUCT DRAINAGE SWALES ON NORTH SIDE OF BUNKER HILL ROAD.
- 8 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- 9 REMOVE / RELOCATE DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2-4B TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**STONE CHECK DAM**

NO.	D. AREA	DEPTH	STATION
315	0.62	1.00	24+60
316	0.17	1.00	29+27
317	0.24	1.00	32+58

**CULVERT INLET PROTECTION**

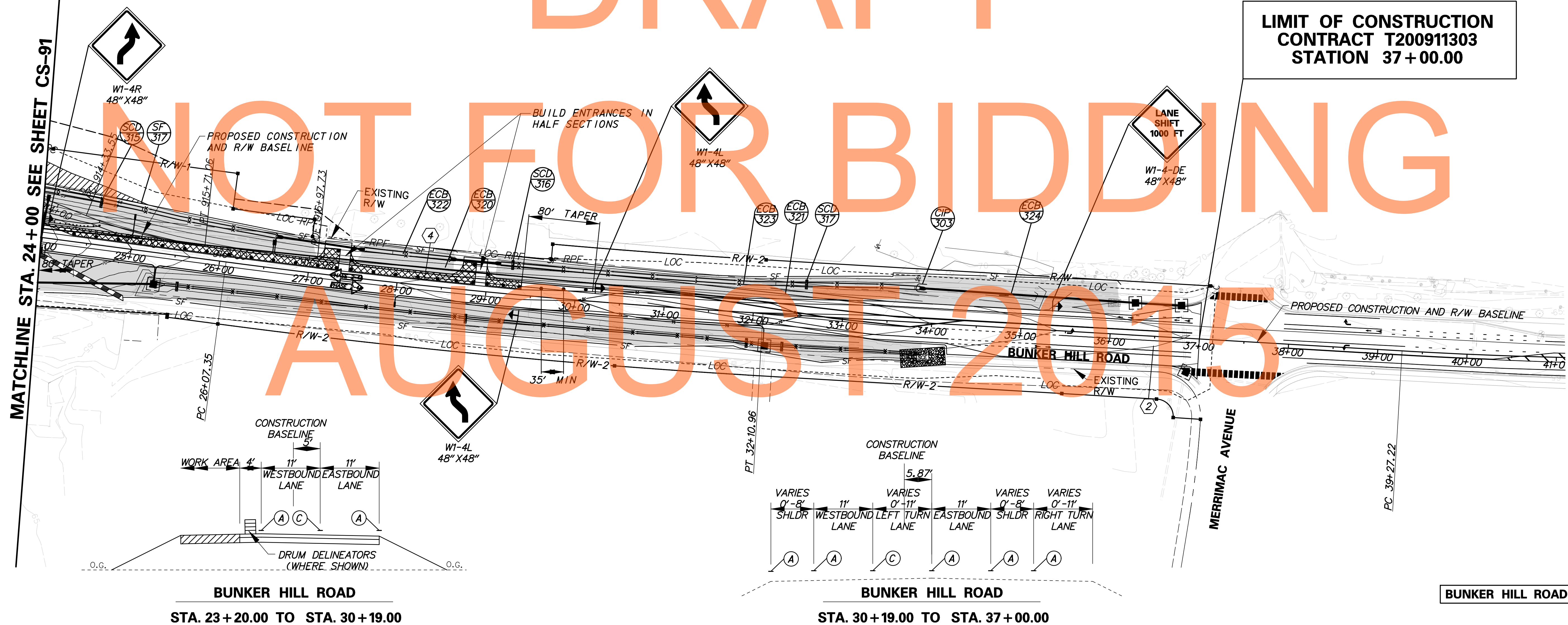
NO.	D. AREA	STATION
303	0.28	33+84

**EROSION CONTROL BLANKET**

NO.	SY	LENGTH	WIDTH	TYPE
320	273	100'	20'	3
321	1623	700'	20'	3
322	67	100'	6'	5
323	148	221'	6'	5
324	314	470'	6'	5

**SILT FENCE**

NO	STATION FROM	STATION TO	LENGTH
317	24+00	27+05	311 LF



**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 37+00.00**

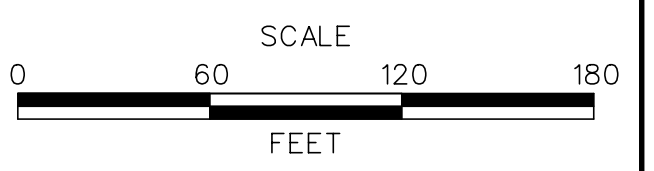
**BUNKER HILL ROAD  
STA. 23+20.00 TO STA. 30+19.00**

**BUNKER HILL ROAD  
STA. 30+19.00 TO STA. 37+00.00**

**BUNKER HILL ROAD**

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ADDENDUMS / REVISIONS



CONTRACT	T200911303	BRIDGE NO.	
COUNTY	NEW CASTLE	DESIGNED BY:	EM
		CHECKED BY:	MT

CS-92
SHEET NO.
953
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ④ REMOVE TEMPORARY BARRIER.
- ⑤ PERFORM OVERLAY ON NORTH SIDE OF BUNKER HILL ROAD BETWEEN STATIONS 29+39.00 AND 37+00.00 WHILE MAINTAINING TRAFFIC ON SOUTH SIDE CONFORMING TO TA-10 OF THE DELAWARE MUTCD.
- ⑥ PERFORM OVERLAY ON SOUTH SIDE OF BUNKER HILL ROAD BETWEEN STATIONS 29+39.00 AND 37+00.00 WHILE MAINTAINING TRAFFIC ON NORTH SIDE CONFORMING TO TA-10 OF THE DELAWARE MUTCD.

**CONSTRUCTION PHASING LEGEND**

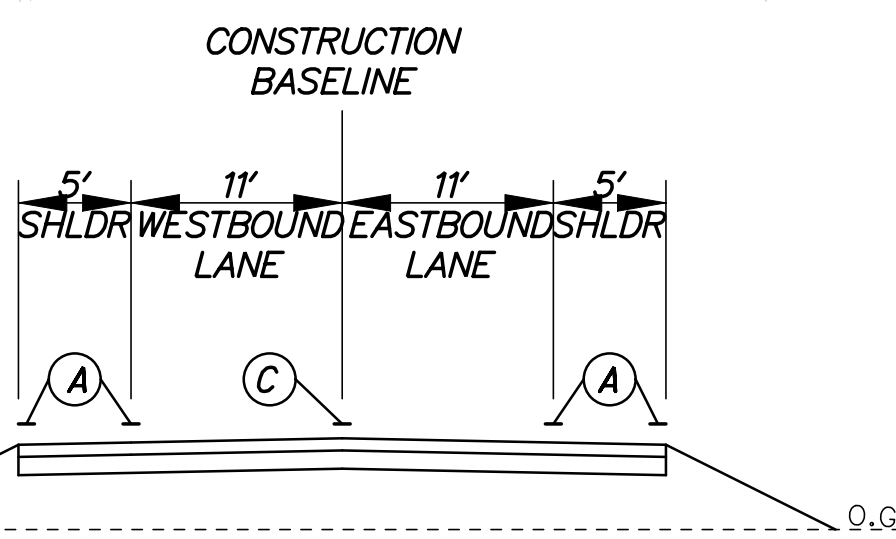
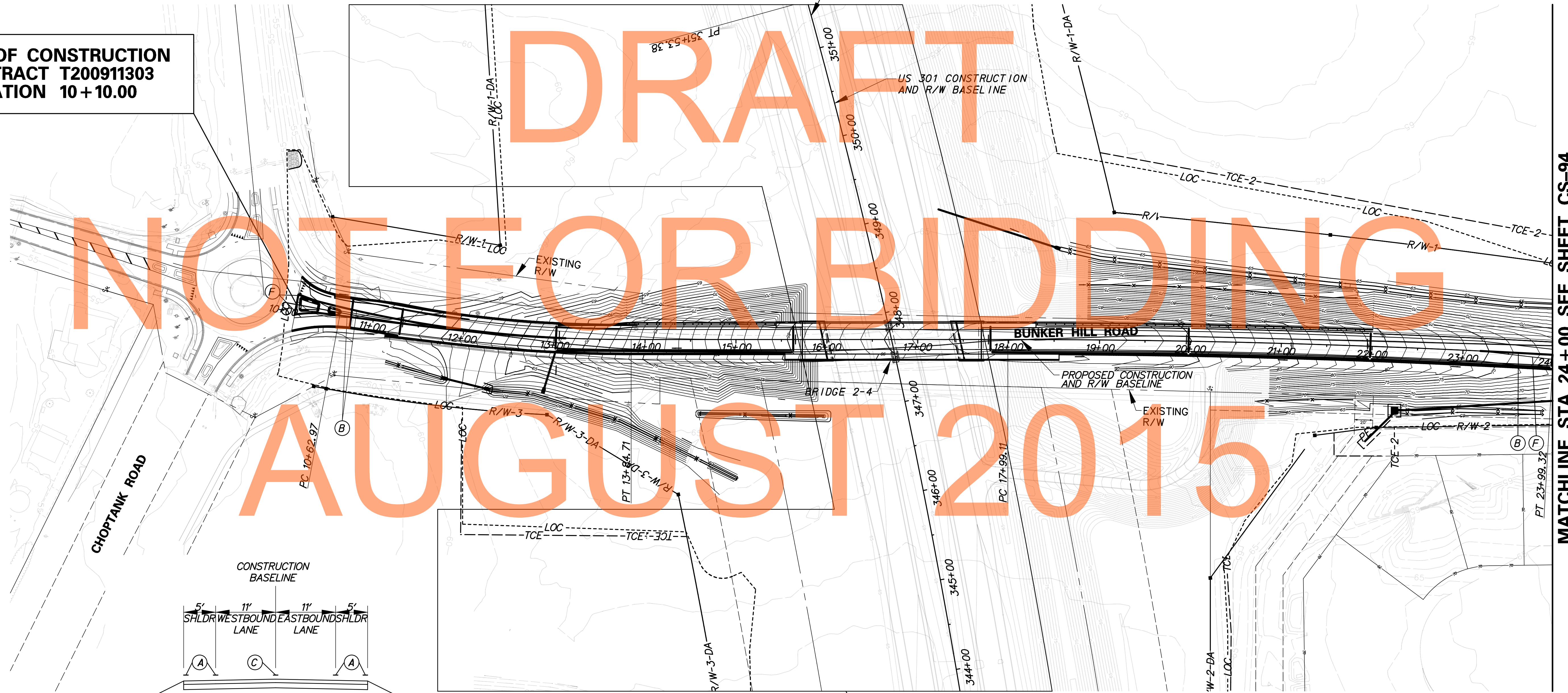
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	164 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	619 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	162 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3" LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	248 SF

**PROPOSED  
US 301  
SEE SHEET 892**

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 10+10.00**



**BUNKER HILL ROAD  
STA. 23+20.00 TO STA. 30+19.00**

REFER TO US 301, CONSTRUCTION, PHASING, M.O.T., AND EROSION CONTROL PLANS

MATCHLINE STA. 24+00 SEE SHEET CS-94

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**SEQUENCE OF CONSTRUCTION**

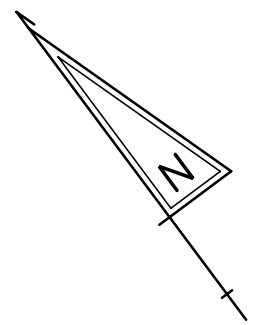
- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ④ REMOVE TEMPORARY BARRIER.
- ⑤ PERFORM OVERLAY ON NORTH SIDE OF BUNKER HILL ROAD BETWEEN STATIONS 29+39.00 AND 37+00.00 WHILE MAINTAINING TRAFFIC ON SOUTH SIDE CONFORMING TO TA-10 OF THE DELAWARE MUTCD.
- ⑥ PERFORM OVERLAY ON SOUTH SIDE OF BUNKER HILL ROAD BETWEEN STATIONS 29+39.00 AND 37+00.00 WHILE MAINTAINING TRAFFIC ON NORTH SIDE CONFORMING TO TA-10 OF THE DELAWARE MUTCD.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1158 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1238 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12' GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	1905 SF



DRAFT

NOT FOR BIDDING

AUGUST 2015

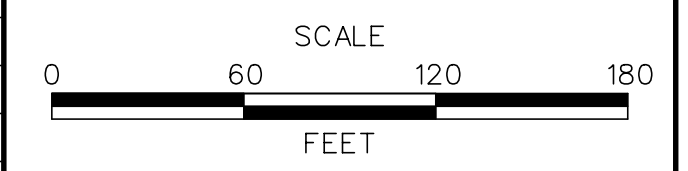


**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 37+00.00**

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ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO BUNKER HILL ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN -  
PHASE 2-4B**

CS-94
SHEET NO.
955
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-1.
- 4 INSTALL TEMPORARY BARRIER/DRUMS ALONG EDGE OF PHASE 1-1 CONSTRUCTION AREA.
- 5 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 6 CONSTRUCT PORTION OF CULVERT AND CROSS PIPE DRAINAGE.
- 7 CONSTRUCT PORTION OF PROPOSED MAINLINE BRIDGE ABUTMENT.
- 8 CONSTRUCT TEMPORARY CULVERT EXTENSION (SEE SHEET CS53).
- 9 CONSTRUCT TEMPORARY SUMMIT BRIDGE ROAD WIDENING AND PAVEMENT.
- 10 REMOVE / RELOCATE TEMPORARY BARRIER AS NEEDED PRIOR TO SWITCHING TO PHASE 1-2 TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**SILT FENCE**

NO	STATION FROM	STATION TO	LENGTH
350	43+27	46+37	322 LF
351	47+23	50+42	270 LF
352	50+92	51+43	52 LF
353	51+73	54+35	262 LF
354	54+48	55+76	82 LF

**EROSION CONTROL BLANKET**

NO.	SY	LENGTH	WIDTH	TYPE
350	596	500'	10'	3

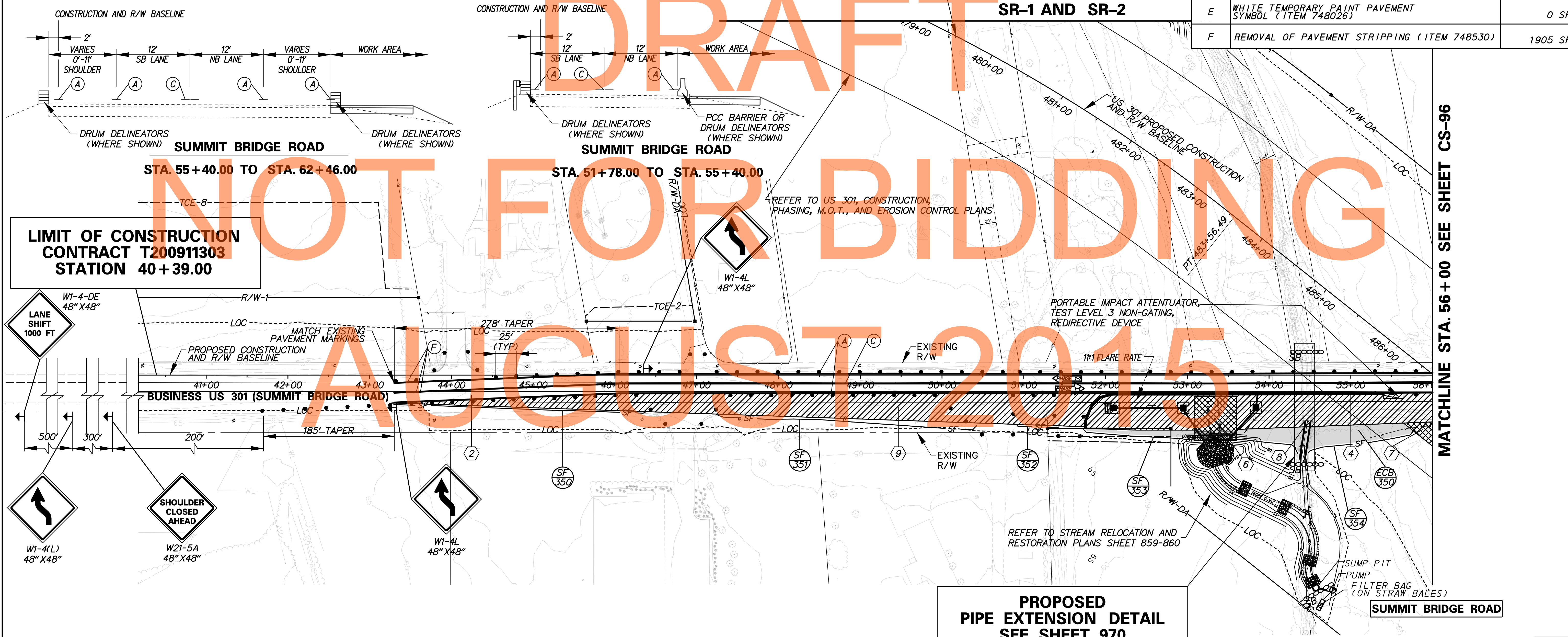
**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	1905 SF

**PROPOSED  
US 301  
SEE SHEET 883**

**SEE SHEET  
SR-1 AND SR-2**

DRAFT  
NOT FOR BIDDING  
AUGUST 2015



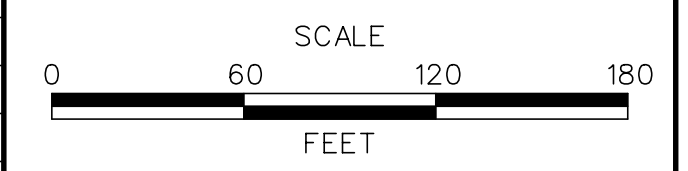
**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 40+39.00**

**PROPOSED  
PIPE EXTENSION DETAIL  
SEE SHEET 970**

**MATCHLINE STA. 56+00 SEE SHEET CS-96**

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ADDENDUMS / REVISIONS	



CONTRACT T200911303	BRIDGE NO.	
COUNTY NEW CASTLE	DESIGNED BY:	EM
	CHECKED BY:	MT

CS-95	SHEET NO.	956
	TOTAL SHTS.	1256



**SEQUENCE OF CONSTRUCTION**

- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
- 2 REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- 3 SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-1.
- 4 INSTALL TEMPORARY BARRIER/DRUMS ALONG EDGE OF PHASE 1-1 CONSTRUCTION AREA.
- 5 INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- 6 CONSTRUCT PORTION OF CULVERT.
- 7 CONSTRUCT PORTION OF PROPOSED MAINLINE BRIDGE ABUTMENT.
- 8 CONSTRUCT TEMPORARY CULVERT EXTENSION.
- 9 CONSTRUCT TEMPORARY SUMMIT BRIDGE ROAD WIDENING AND PAVEMENT.
- 10 REMOVE / RELOCATE TEMPORARY BARRIER AS NEEDED PRIOR TO SWITCHING TO PHASE 1-2 TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

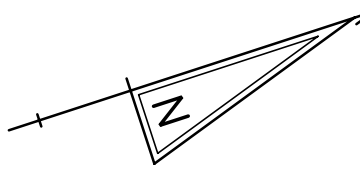
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL PLANS
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12' GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	646 SF

**STABILIZED CONSTRUCTION ENTRANCE**

NO.	STA.	LENGTH	WIDTH
350	58+17	50'	20'

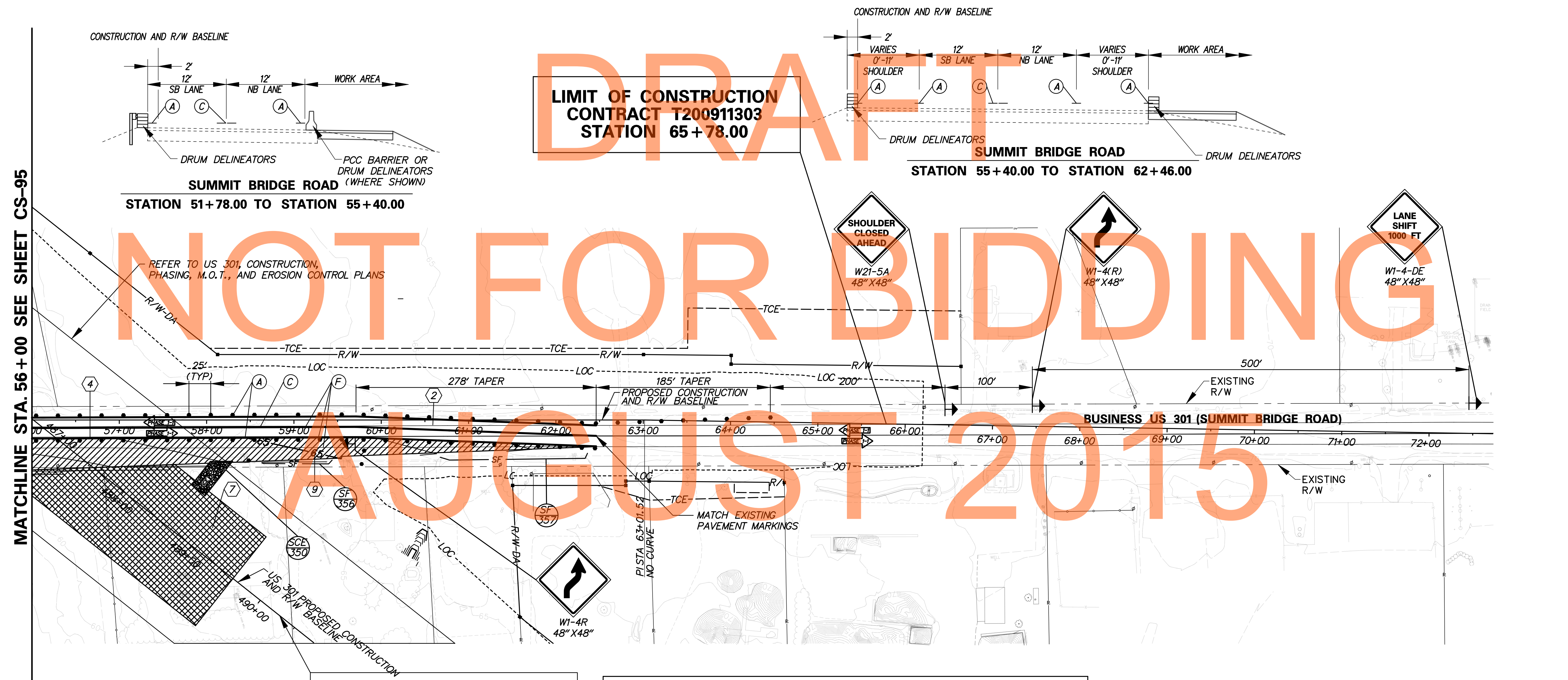


DRAFT

NOT FOR BIDDING

AUGUST 2015

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 65+78.00**



**PROPOSED  
US 301  
SEE SHEET 894**

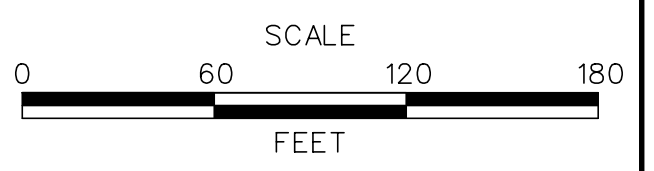
SILT FENCE			
NO	STATION FROM	STATION TO	LENGTH
356	58+63	59+43	83'
357	60+67	62+36	173'

**SUMMIT BRIDGE ROAD**

T:\NEW CASTLE\301\ROAD\T200911303\PLANS\CP\CS019\_STG1L2A\_URS.DGN



ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1-1**

CS-96
SHEET NO.
957
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-2.
- ④ INSTALL TEMPORARY BARRIER/DRUMS ALONG EDGE OF PHASE 1-2 CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ CONSTRUCT PROPOSED 301 MAINLINE BRIDGE PIER, MEDIAN, AND PAVEMENT AS SHOWN.
- ⑦ CONSTRUCT PORTION OF CULVERT CROSS PIPE DRAINAGE AND ASSOCIATED TEMPORARY PAVEMENT AS SHOWN.
- ⑧ REMOVE / RELOCATE TEMPORARY BARRIER AS NEEDED PRIOR TO SWITCHING TO PHASE 1-3 TRAFFIC CONTROL.

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**STABILIZED CONSTRUCTION ENTRANCE**

NO.	STA.	LENGTH	WIDTH
351	52+80	50'	20'

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	1588 SF

**FLARED END SECTION SCHEDULE**

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
686	15" HDPE	0.0030	NO
687	18" HDPE	0.0286	NO
688	18" HDPE	0.0286	NO

**CULVERT INLET PROTECTION**

NO.	D. AREA	STATION
305	1.10	53+90

**DRAINAGE PIPE SCHEDULE**

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
905	18" HDPE		35	0.0286	62.00	61.00

REFER TO US 301, CONSTRUCTION, PHASING, M.O.T., AND EROSION CONTROL PLANS

**PROPOSED US 301  
SEE SHEET 883**

CONSTRUCTION AND R/W BASELINE  
VARIES 11' TO 41'

WORK AREA

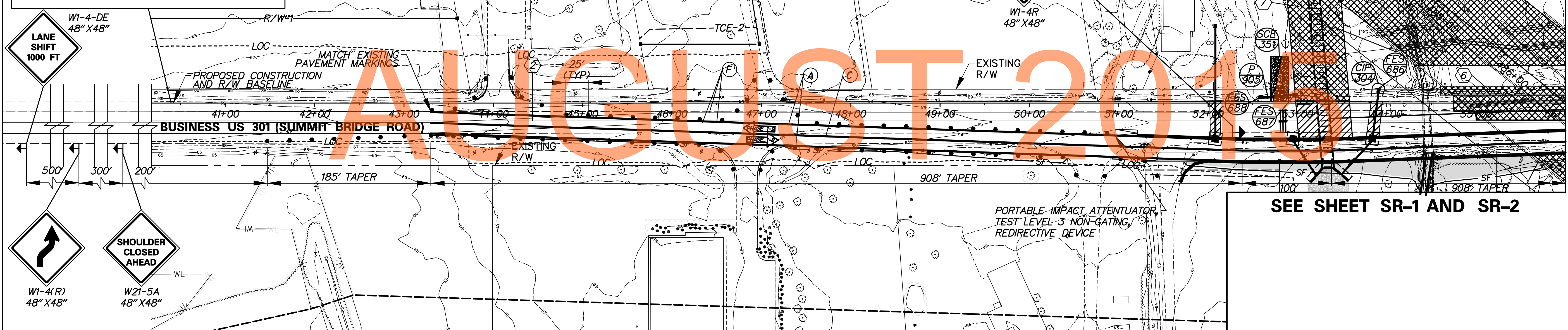
12' SB LANE

12' NB LANE

PCC BARRIER OR DRUM DELINEATORS (WHERE SHOWN)

**SUMMIT BRIDGE ROAD  
STATION 52+00.00 TO STATION 61+00.00**

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 40+39.00**

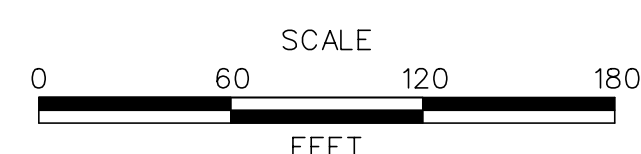


SEE SHEET SR-1 AND SR-2

MATCHLINE STA. 56+00 SEE SHEET CS-98

**SUMMIT BRIDGE ROAD**

ADDENDUMS / REVISIONS



**US 301  
LEVELS ROAD  
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1-2**

CS-97
SHEET NO.
958
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-2.
- ④ INSTALL TEMPORARY BARRIER/DRUMS ALONG EDGE OF PHASE 1-2 CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ CONSTRUCT PROPOSED 301 MAINLINE BRIDGE PIER, MEDIAN, AND PAVEMENT AS SHOWN.
- ⑦ CONSTRUCT PORTION OF CULVERT AND TEMPORARY PAVEMENT AS SHOWN.
- ⑧ REMOVE / RELOCATE TEMPORARY BARRIER AS NEEDED PRIOR TO SWITCHING TO PHASE 1-3 TRAFFIC CONTROL.

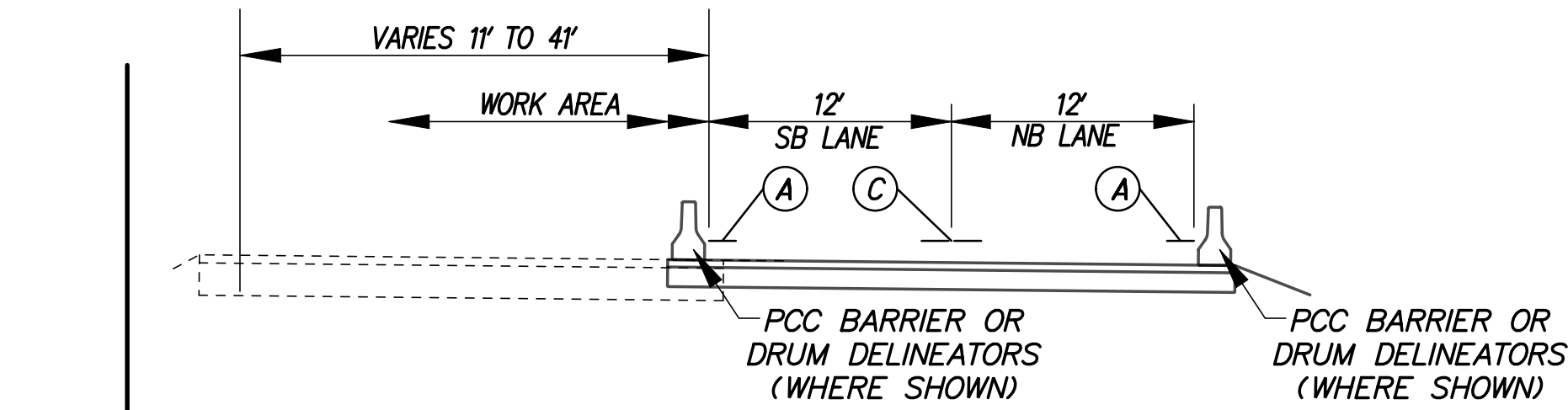
**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	1077 SF

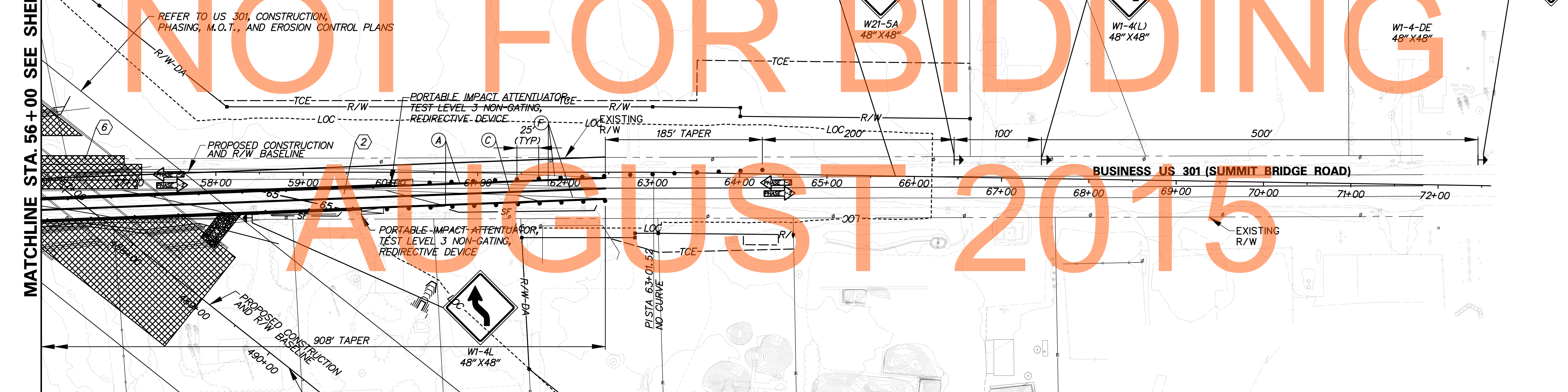
CONSTRUCTION AND R/W BASELINE



**SUMMIT BRIDGE ROAD**  
STATION 52+00.00 TO STATION 61+00.00

MATCHLINE STA. 56+00 SEE SHEET CS-97

DRAFT  
NOT FOR BIDDING  
AUGUST 2015



**PROPOSED US 301**  
SEE SHEET 894

**SUMMIT BRIDGE ROAD**

ADDENDUMS / REVISIONS



**US 301**  
**LEVELS ROAD**  
**TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,**  
**M.O.T., AND EROSION**  
**CONTROL PLAN - PHASE 1-2**

CS-98
SHEET NO.
959
TOTAL SHTS.
1256

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**SEQUENCE OF CONSTRUCTION**

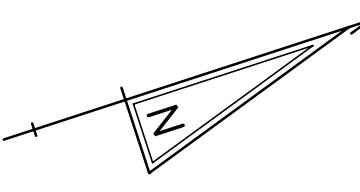
- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-3.
- ④ INSTALL TEMPORARY BARRIER/DRUMS ALONG EDGE OF PHASE 1-3 CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ RELOCATE EXISTING DRAWYERS BRANCH AND ABANDON EXISTING 48" CULVERTS

**CONSTRUCTION PHASING LEGEND**

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

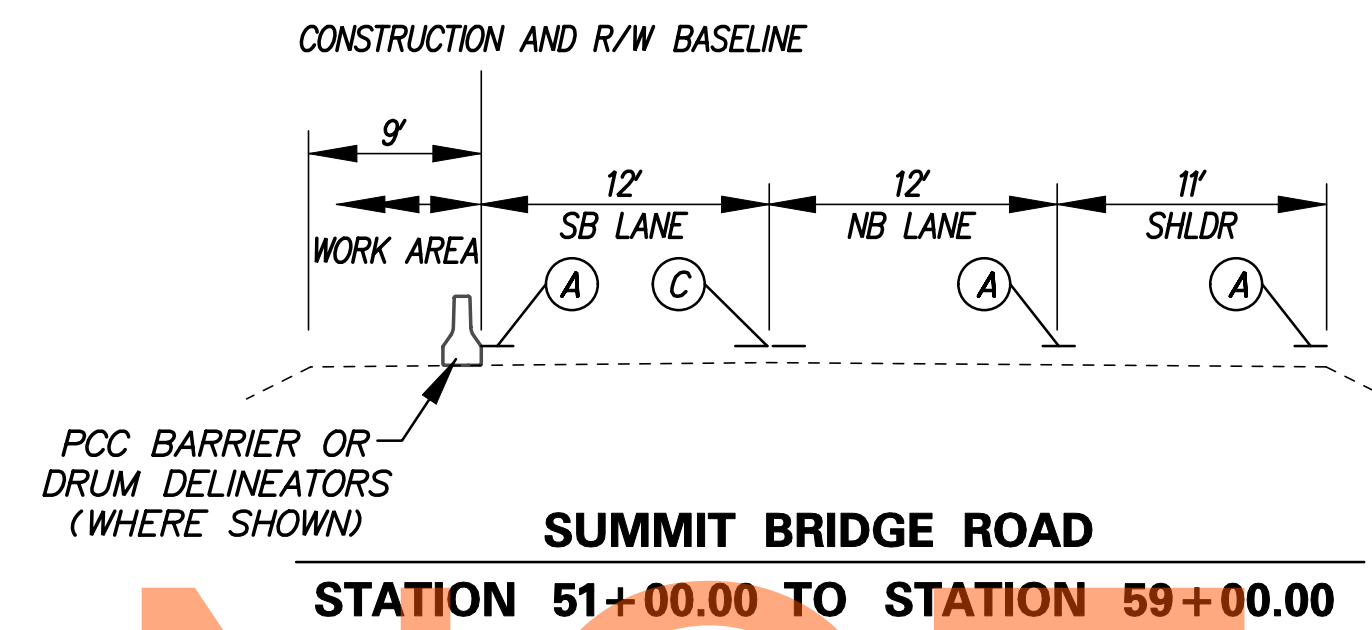
**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	2540 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3" LINE & 12" GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPING (ITEM 478530)	2117 SF



**EROSION CONTROL BLANKET**

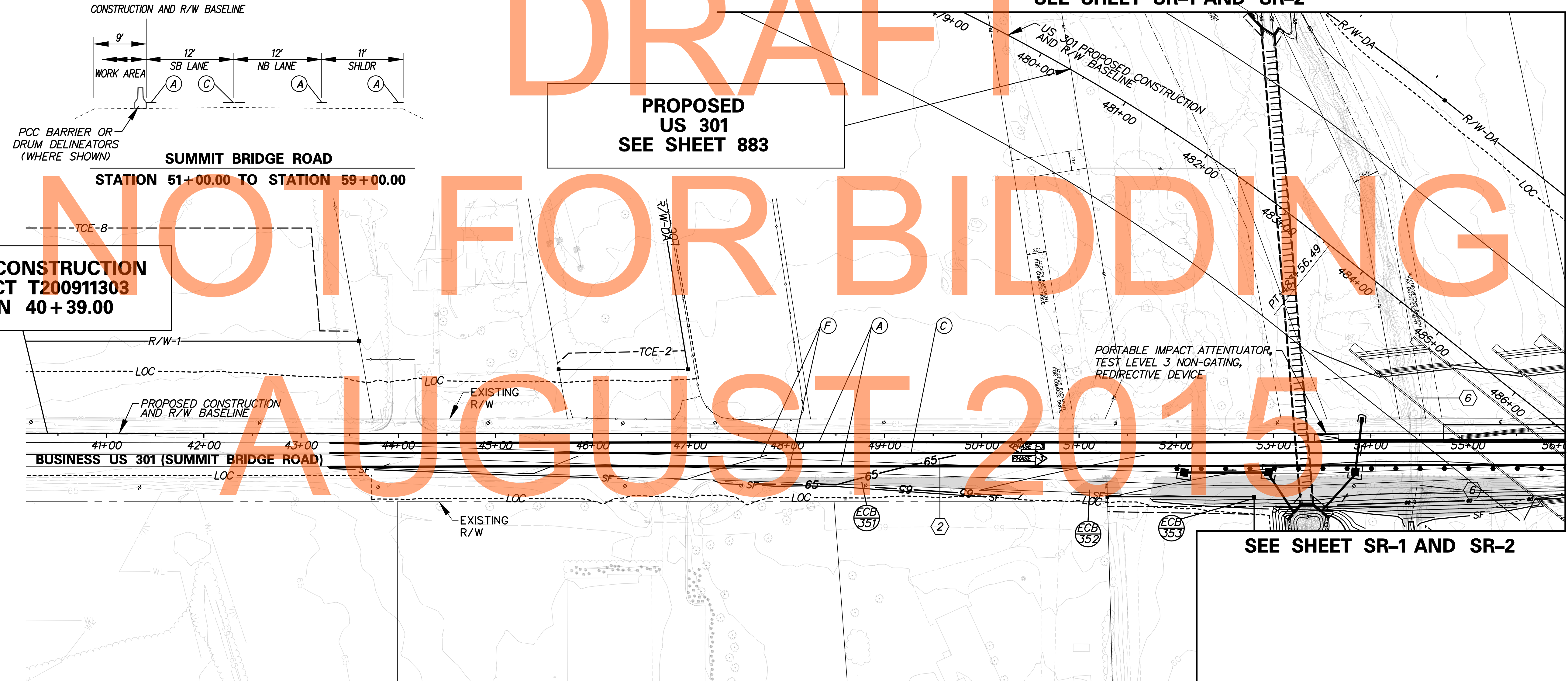
NO.	SY	LENGTH	WIDTH	TYPE
351	248	400'	5'	3
352	68	50'	8'	3
353	1467	500'	20'	3



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**PROPOSED  
US 301  
SEE SHEET 883**

**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 40+39.00**



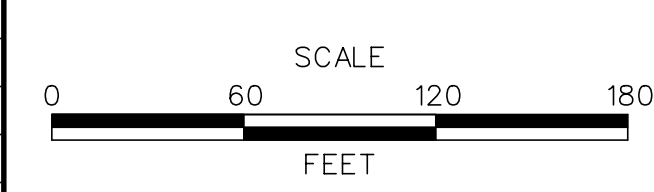
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301  
LEVELS ROAD  
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1-3**

CS-99
SHEET NO.
960
TOTAL SHTS.
1256



**SEQUENCE OF CONSTRUCTION**

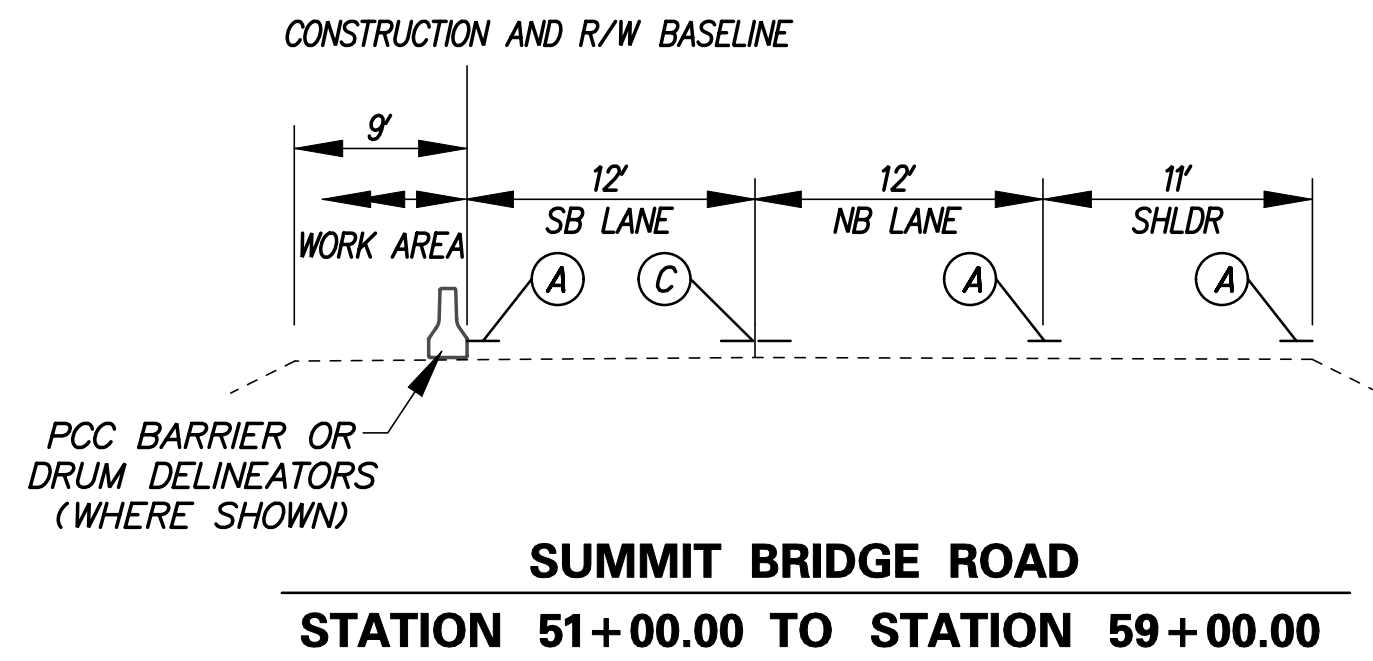
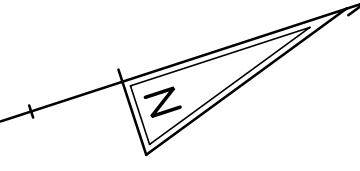
- ① PLACE ALL PERMANENT WARNING SIGNS AS SHOWN.
- ② REMOVE EXISTING STRIPING AS NECESSARY, PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN.
- ③ SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1-3.
- ④ INSTALL TEMPORARY BARRIER/BARRELS ALONG EDGE OF PHASE 1-3 CONSTRUCTION AREA.
- ⑤ INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN.
- ⑥ RELOCATE EXISTING DRAWYERS BRANCH AND ABANDON EXISTING 48" CULVERTS

**CONSTRUCTION PHASING LEGEND**

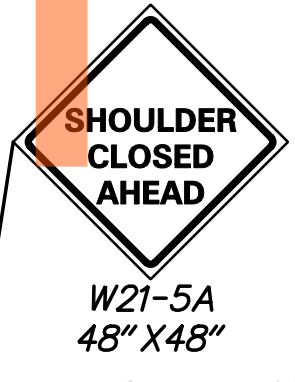
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	EROSION CONTROL BLANKET
	EXISTING TRAFFIC FLOW ARROW
	TEMPORARY WHITE PAVEMENT MARKING ARROW

**TEMPORARY PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
B	5" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	0 LF
C	5" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748032)	1292 LF
D	5" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 3' LINE & 12' GAP (ITEM 748032)	0 LF
E	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	0 SF
F	REMOVAL OF PAVEMENT STRIPPING (ITEM 748530)	1292 SF



**LIMIT OF CONSTRUCTION**  
CONTRACT T200911303  
STATION 65+78.00

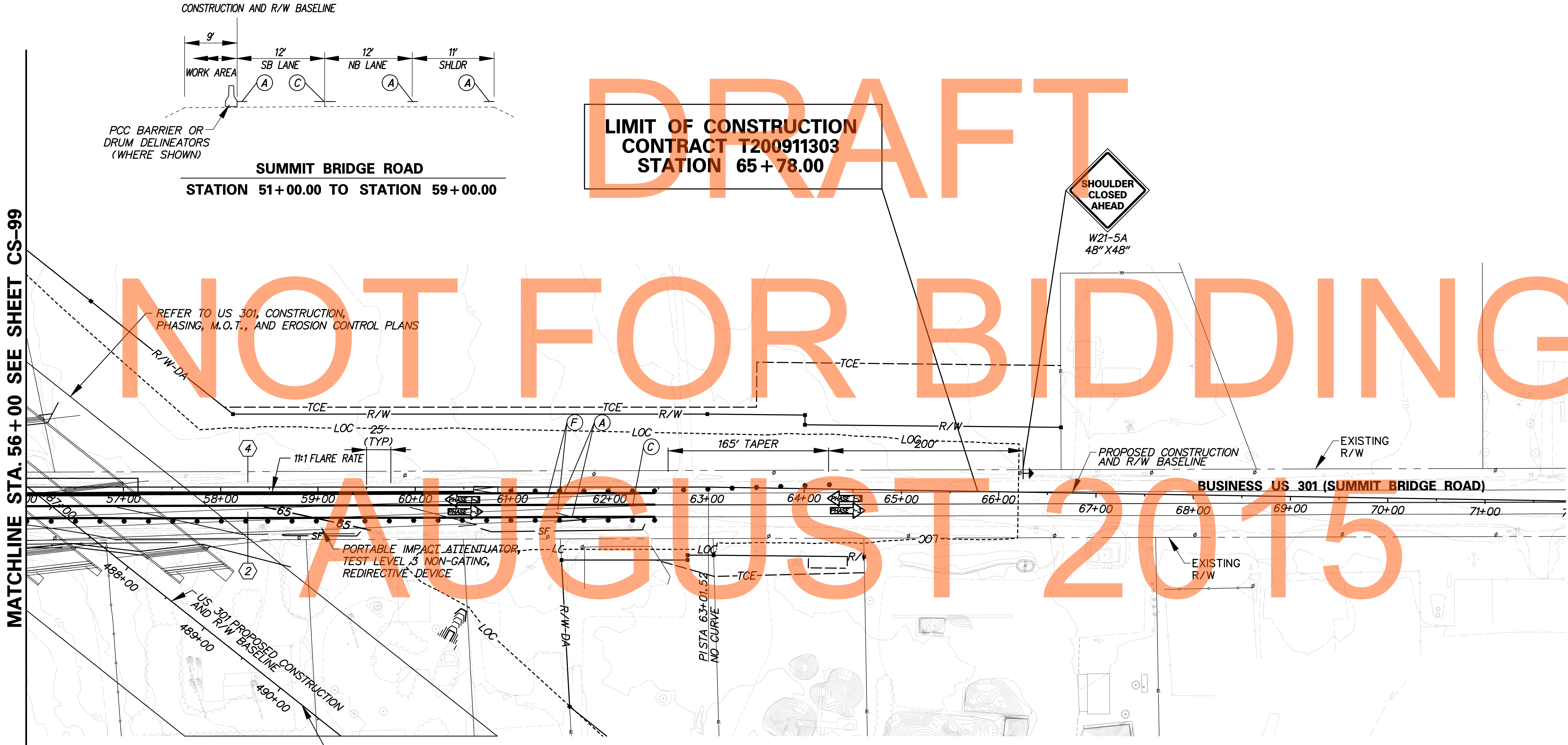


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NOT FOR BIDDING

AUGUST 2015

MATCHLINE STA. 56+00 SEE SHEET CS-99



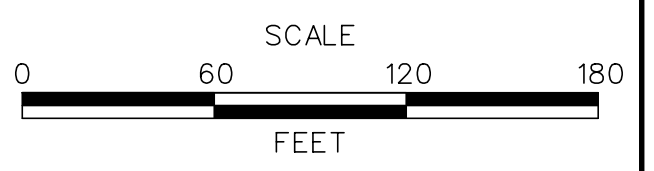
**PROPOSED US 301**  
SEE SHEET 894

**SUMMIT BRIDGE ROAD**

T:\NEW CASTLE\501\ROAD\T200911303\PLANS\CP\CS023-STG3-2A.URS.DGN



ADDENDUMS / REVISIONS	



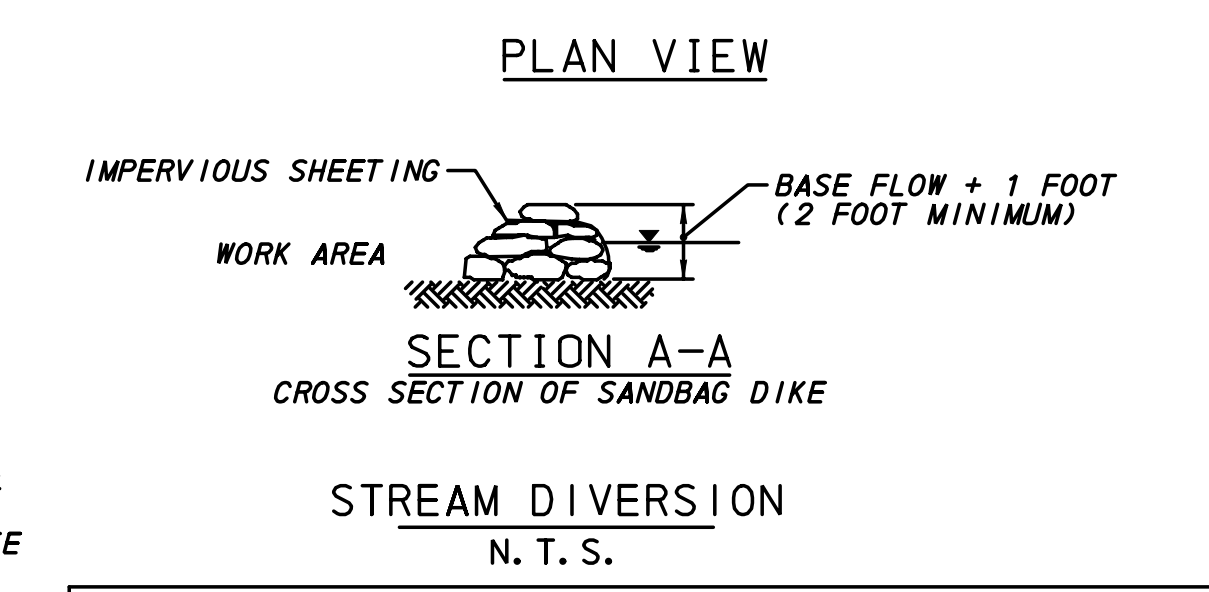
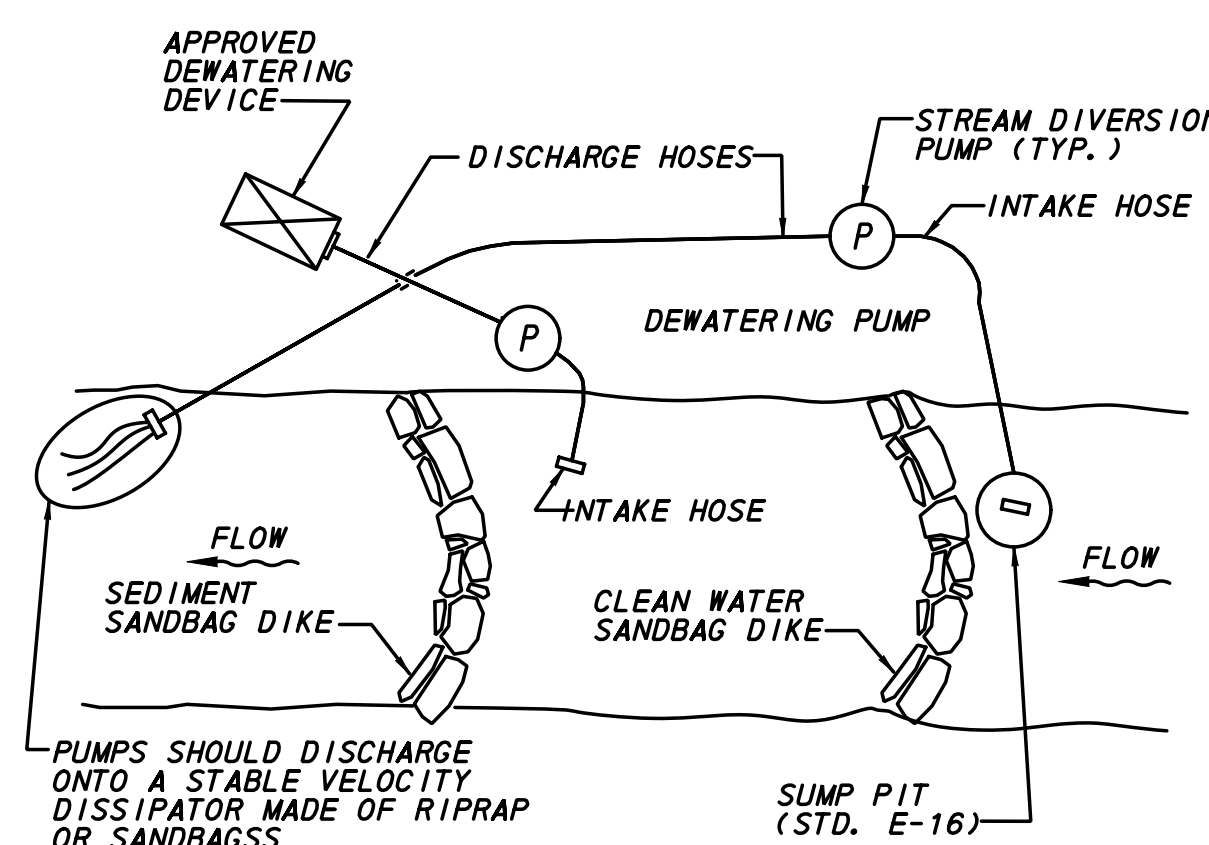
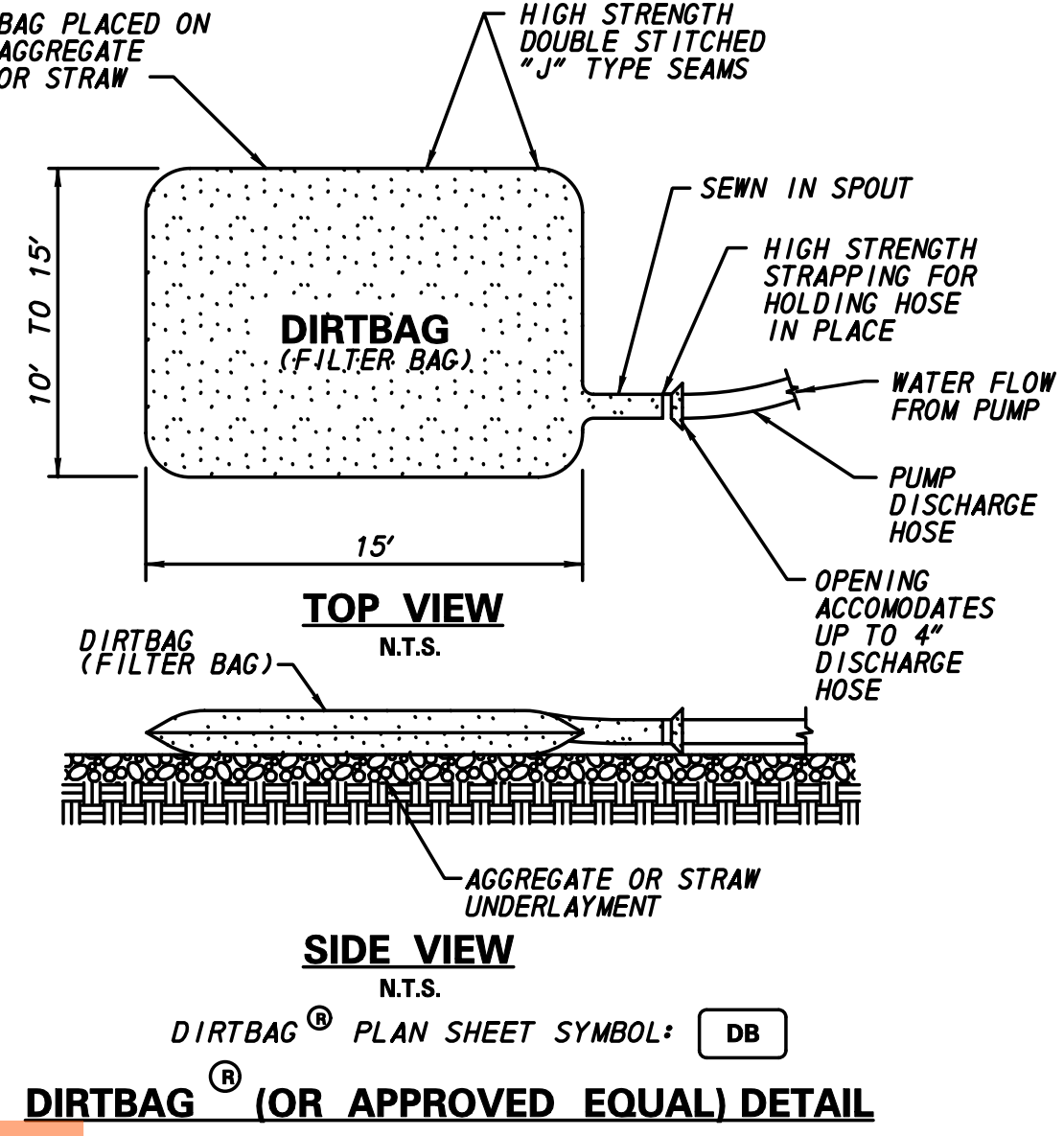
**US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	EM
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1-3**

CS-100
SHEET NO.
961
TOTAL SHTS.
1256

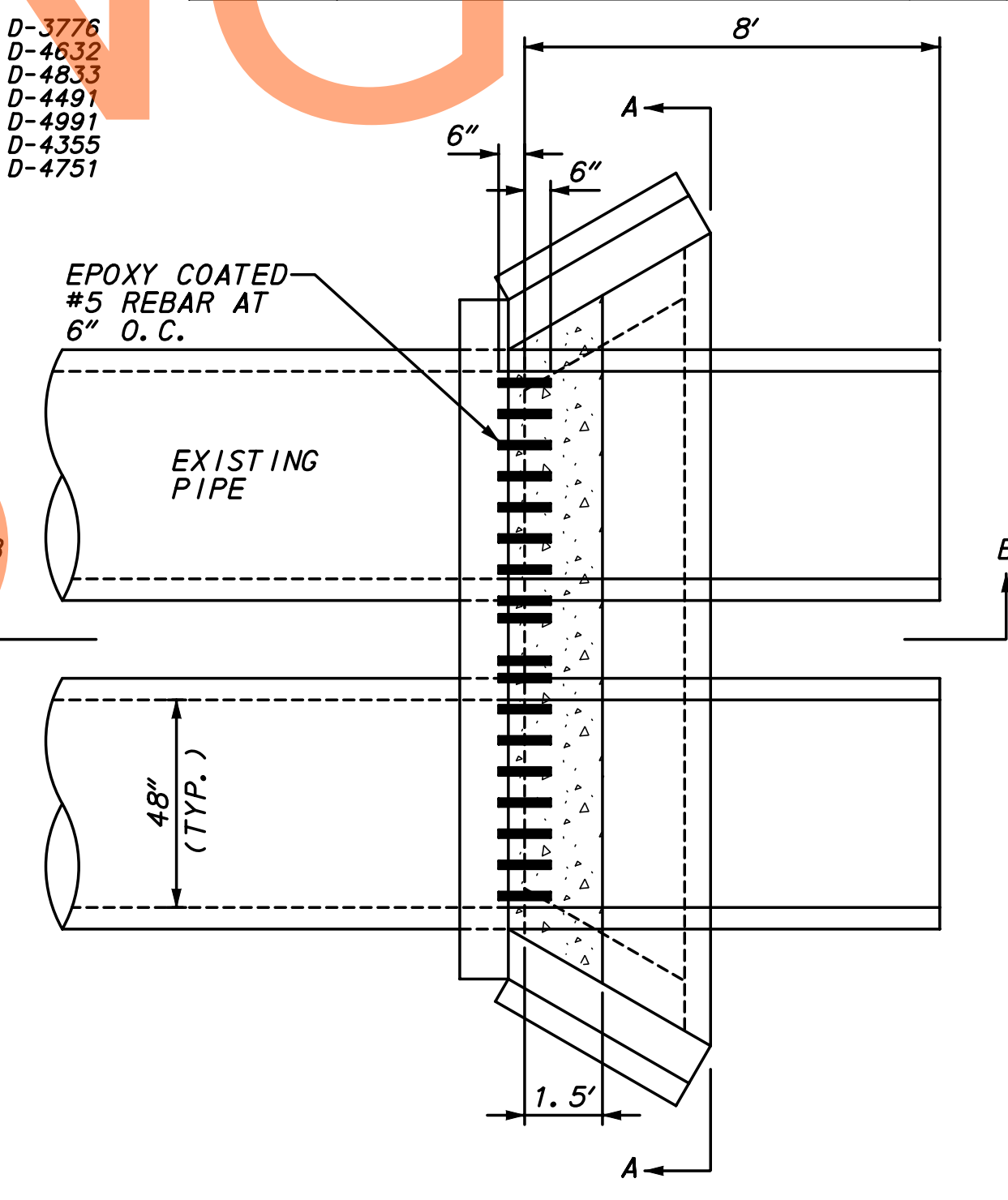
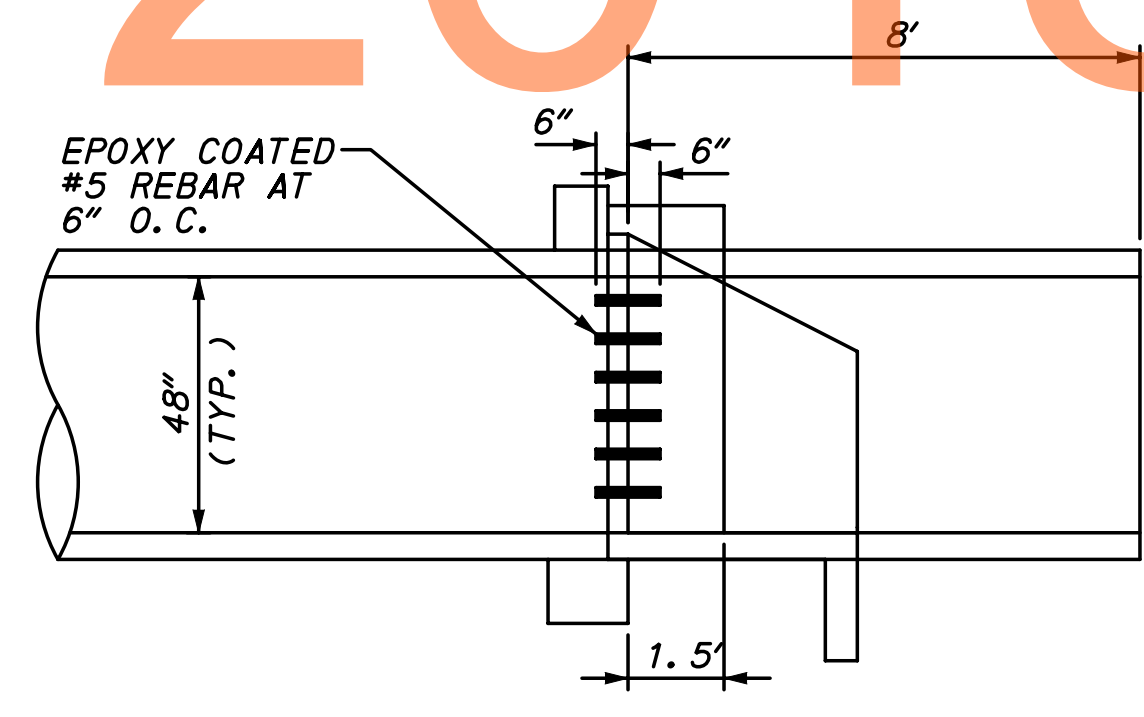
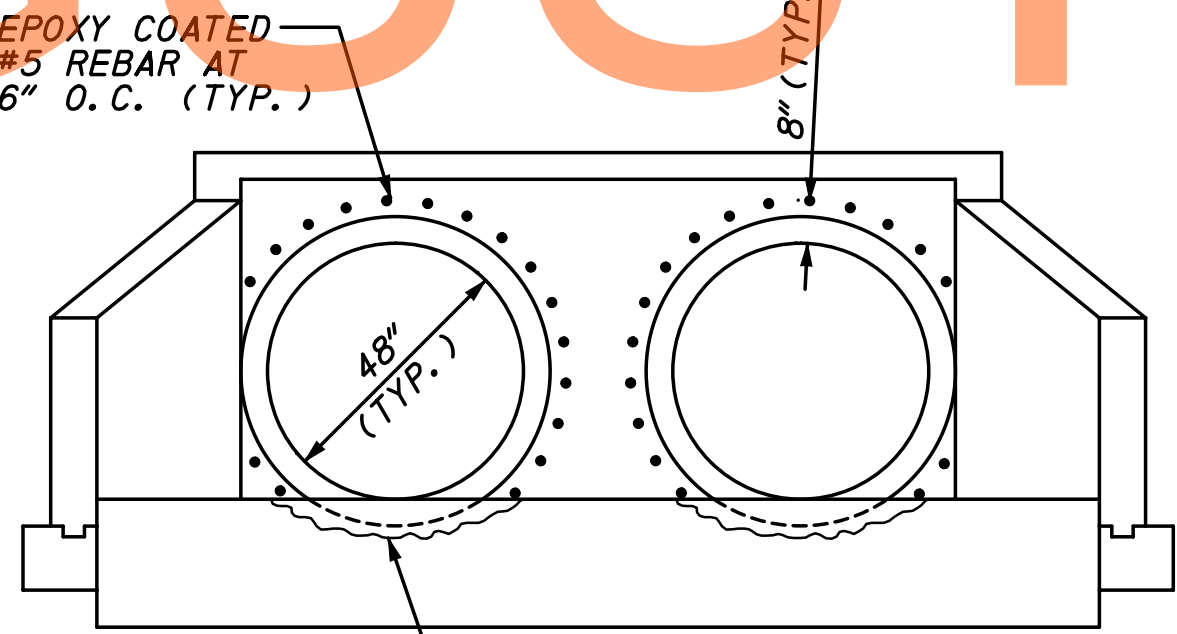
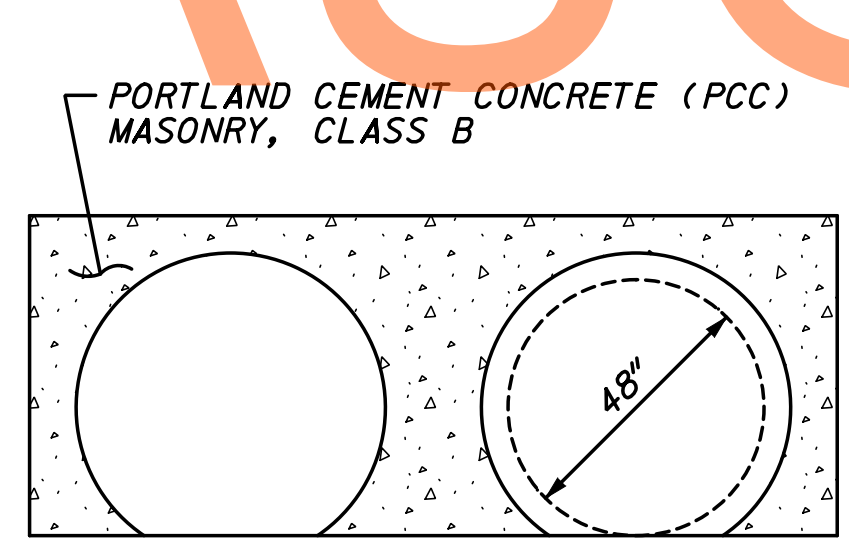




- FILTER BAG SPECIFICATION:**
1. FILTER BAG SHALL BE MADE OF NON-WOVEN GEOTEXTILE WITH A MINIMUM SURFACE AREA OF 225 SQUARE FEET PER SIDE.
  2. ALL STRUCTURAL SEAMS SHALL BE SEWN WITH A DOUBLE STITCH USING A DOUBLE NEEDLE MACHINE WITH HIGH STRENGTH THREAD. SEAM STRENGTH SHALL WITHSTAND 100 LB/IN USING ASTM D-4884 TEST METHOD.
  3. FILTER BAG SHALL HAVE A NOZZLE LARGE ENOUGH TO ACCOMMODATE A FOUR (4) INCH DIAMETER PUMP DISCHARGE HOSE.
  4. NOZZLE SHALL BE SEALED TIGHTLY AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE TO PREVENT UNFILTERED WATER FROM ESCAPING.
  5. FILTER BAG SHALL BE PLACED ON A LEVEL OR GENTLY SLOPING (5% MAXIMUM) VEGETATED AREA.
  6. FILTER BAG SHALL BE PLACED UPON A BASE OF STRAW BALES OR THREE (3) INCHES OF CLEAN STONE TO PROMOTE DEWATERING THROUGH BOTTOM SURFACE OF THE FILTER BAG.
  7. PUMPING RATE SHALL BE CONTROLLED TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG. AS THE BAG BECOMES FILLED WITH SEDIMENT THE PUMPING RATE SHALL BE REDUCED.
  8. THE FILTER BAG SHALL BE REMOVED AND DISPOSED OF AFTER IT IS FILLED WITH SEDIMENT AND HAS DEWATERED. THE DEWATERED SEDIMENT FROM THE BAG SHALL BE SPREAD IN AN UPLAND AREA AND STABILIZED WITHIN 24 HOURS.
  9. THE GEOTEXTILE FABRIC SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS WITH PROPERTIES DETERMINED IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:
- |                             |                  |             |
|-----------------------------|------------------|-------------|
| WEIGHT                      | 10 OZ/YD         | ASTM D-3776 |
| GRAB TENSILE                | 210 LBS          | ASTM D-4632 |
| PUNCTURE                    | 150 LBS          | ASTM D-4833 |
| FLOW RATE                   | 70 GAL/MIN/SQ FT | ASTM D-4491 |
| PERMITTIVITY (1/SEC)        | 1.3              | ASTM D-4991 |
| UV RESISTANCE               | 70%              | ASTM D-4355 |
| APPARENT OPENING SIZE (AOS) | 40-80            | ASTM D-4751 |

STREAM DIVERSION QUANTITIES		
ITEM NO.	ITEM	QTY. UNITS
263000	SUMP PIT, TYPE 1	1 EA
265500	STREAM DIVERSION	1 LS
266000	SANDBAG DIKES	24 CY
266500	WATER PUMPING FOR STREAM DIVERSION	1 LS
602002	PORTLAND CEMENT CONCRETE MASONRY, CLASS B	2 CY
712006	RIPRAP, R-5	30 CY
715503	TEMPORARY DRAINAGE PIPE, 48"	88 LF

- CONSTRUCTION SEQUENCE**
1. SAW CUT AND REMOVE EXISTING APRON AS SHOWN. APRON REMOVAL SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.
  2. INSTALL EPOXY COATED REBAR DOWELS AS SHOWN. REBAR SHALL BE INCIDENTAL TO THE COST OF THE PCC TYPE B.
  3. INSERT PIPES AS SHOWN SO NO GAP IS PRESENT (OR GROUT FOR SMALL GAPS AS DIRECTED BY THE ENGINEER).
  4. FORM CONCRETE COLLAR AROUND PIPE AND PLACE CONCRETE. (USE VIBRATORY COMPACTOR TO ENSURE CONCRETE SURROUNDS REBAR AND PIPE).
  5. CURE CONCRETE PER SPECIFICATIONS.
- NOTES:**
1. 11.5° BEND SHALL BE CONSTRUCTED USING PREFABRICATED ELBOW FOR 48" DIAMETER PIPE. BEND IS INCIDENTAL TO THE COST OF THE TEMPORARY DRAINAGE PIPE.
  2. CONTRACTOR SHALL VERIFY WALL THICKNESS OF PIPE PRIOR TO ORDERING MATERIALS. FROM DESIGN PLANS, WALL THICKNESS IS ESTIMATED TO BE WALL B PER CONCRETE PIPE DESIGN MANUAL.

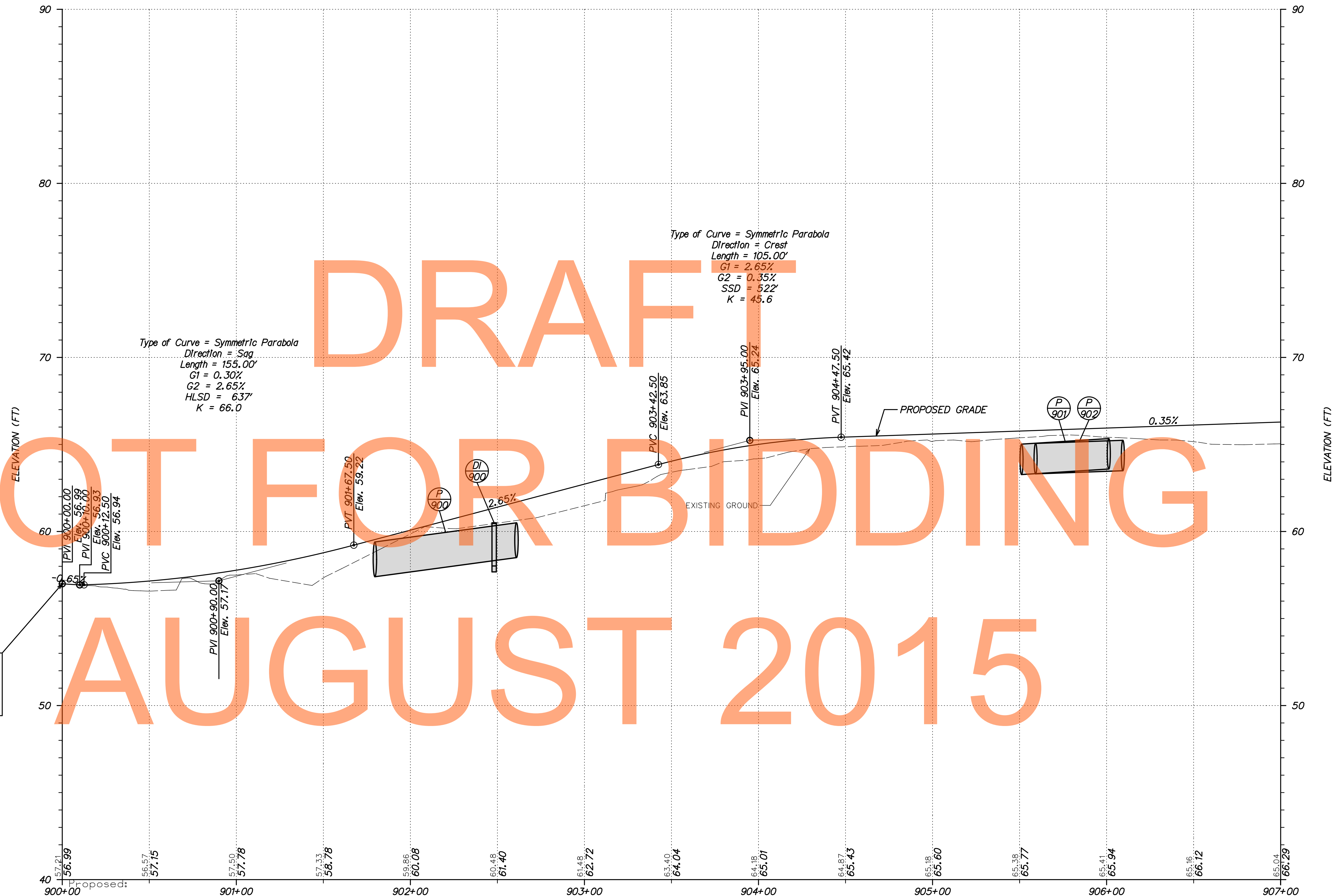


ADDENDUMS / REVISIONS

CONTRACT	T20091303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	B.S.M.
CHECKED BY:	A.T.N.

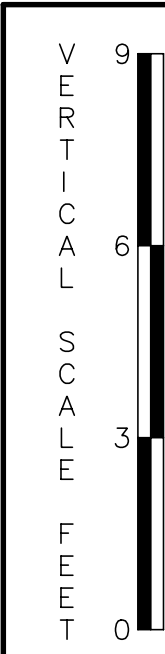


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AUGUST 2015



**LIMIT OF CONSTRUCTION  
CONTRACT T200911303  
STATION 900+00.00**

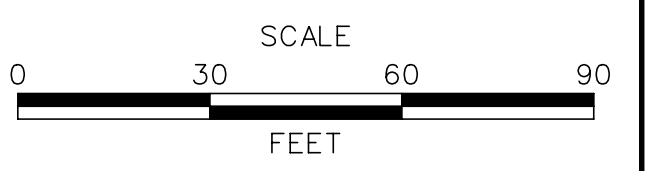
**BUNKER HILL TEMPORARY ROAD (SR 15)**



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ADDENDUMS / REVISIONS	



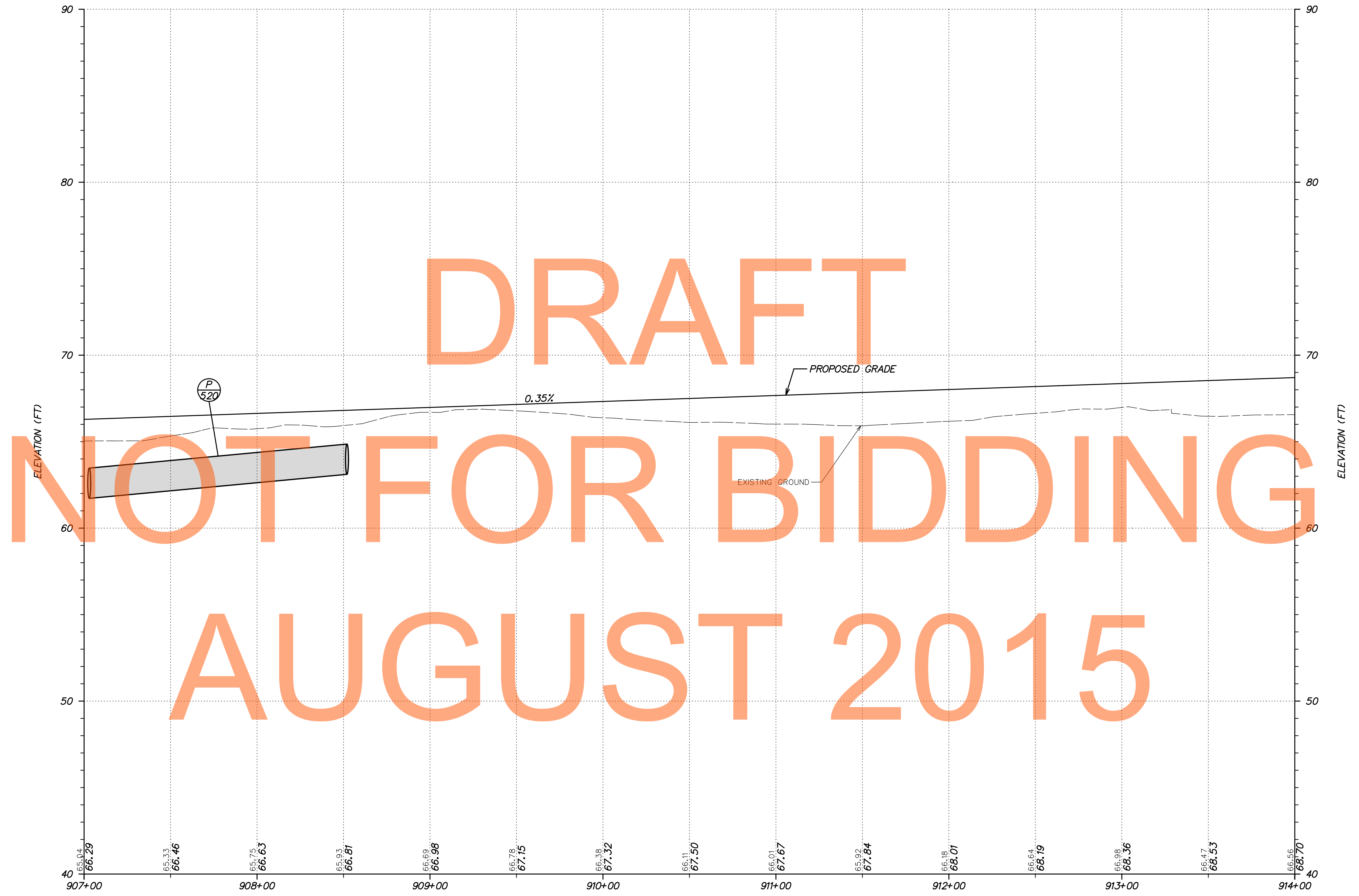
**US 301  
LEVELS ROAD  
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JL
COUNTY	CHECKED BY:	MT
NEW CASTLE		

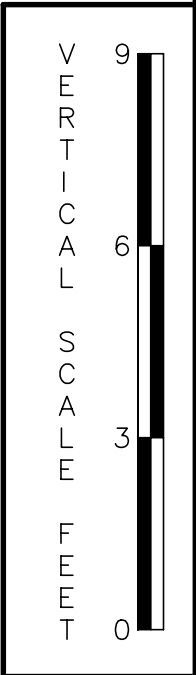
**CONSTRUCTION PHASING,  
M.O.T, AND EROSION  
CONTROL PLAN**

CS-102	SHEET NO.
	963
	TOTAL SHTS.
	1256





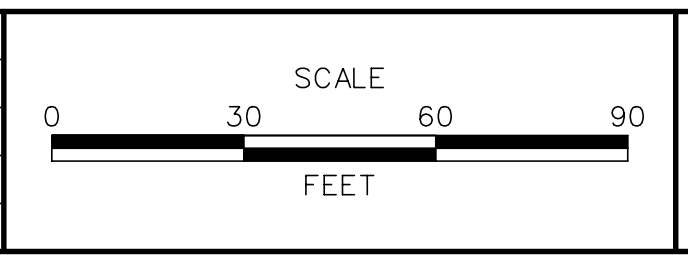
**BUNKER HILL TEMPORARY ROAD (SR 15)**



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



**US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JL
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING, M.O.T, AND EROSION CONTROL PLAN**

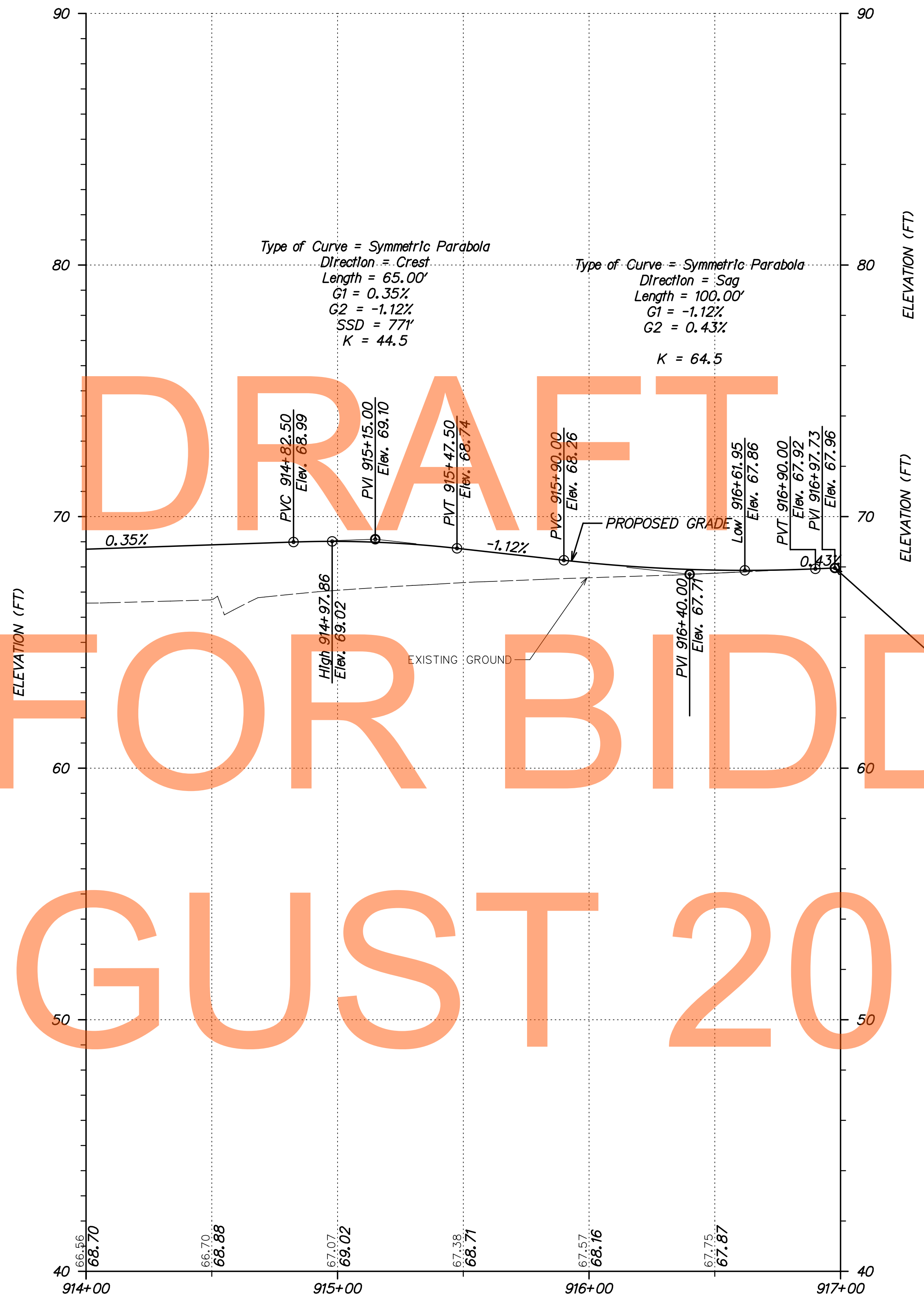
CS-103	SHEET NO.
	964
	TOTAL SHTS.
	1256



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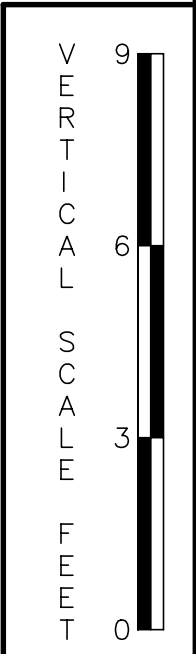
NOT FOR BIDDING

AUGUST 2015



**LIMIT OF CONSTRUCTION  
CONTRACT T20091303  
STATION 916+97.73**

**BUNKER HILL TEMPORARY ROAD (SR 15)**



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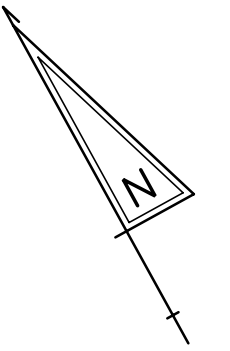
<p><b>DELAWARE DEPARTMENT OF TRANSPORTATION</b></p>	ADDENDUMS / REVISIONS	<p>SCALE</p>	<p><b>US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD</b></p>	<table border="1" style="width: 100%;"> <tr> <td>CONTRACT</td> <td>BRIDGE NO.</td> <td></td> </tr> <tr> <td>T20091303</td> <td>DESIGNED BY:</td> <td>JL</td> </tr> <tr> <td>COUNTY</td> <td>CHECKED BY:</td> <td>MT</td> </tr> <tr> <td>NEW CASTLE</td> <td></td> <td></td> </tr> </table>	CONTRACT	BRIDGE NO.		T20091303	DESIGNED BY:	JL	COUNTY	CHECKED BY:	MT	NEW CASTLE			<p><b>CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN</b></p>	<table border="1" style="width: 100%;"> <tr> <td>SHEET NO.</td> <td>965</td> </tr> <tr> <td>TOTAL SHTS.</td> <td>1256</td> </tr> </table>	SHEET NO.	965	TOTAL SHTS.	1256
	CONTRACT		BRIDGE NO.																			
T20091303	DESIGNED BY:	JL																				
COUNTY	CHECKED BY:	MT																				
NEW CASTLE																						
SHEET NO.	965																					
TOTAL SHTS.	1256																					



**NOTES:**

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT INTERSECTIONS ARE GIVEN AT 10 FOOT INTERVALS.
4. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PAID FOR UNDER ITEM 763501-CONSTRUCTION ENGINEERING.
5. PROPOSED CURBS OR PAVEMENT THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATION.
6. OFFSETS FOR TEMPORARY DITCH ARE STATIONED OFF OF THE BUNKER HILL ROAD TEMPORARY BASELINE.
7. PROPOSED OFFSETS FOR BUNKER HILL ROAD DITCHES ARE GIVEN ON BUNKER HILL ROAD GG SHEETS.

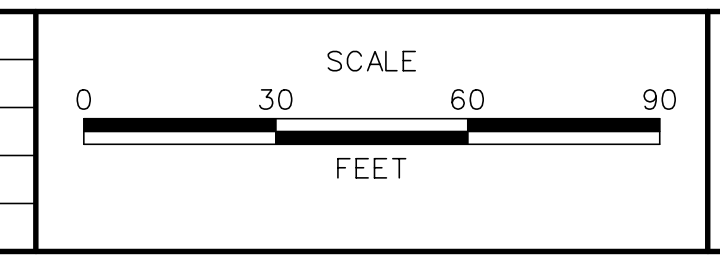
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61600	10+14.00	-30.6003	531057.1416	563958.8966
61601	900+42.97	-11.0000	531011.8074	563991.0715
61602	10+13.57	-26.7651	531018.5154	563916.4822
61603	901+09.83	-11.0000	530959.5811	564038.2637
61604	906+85.66	11.0000	530674.4044	564538.5181
61605	906+85.66	-11.0000	530693.5159	564549.4135



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



**US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JH
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**CONSTRUCTION PHASING, M.O.T, AND EROSION CONTROL PLAN**

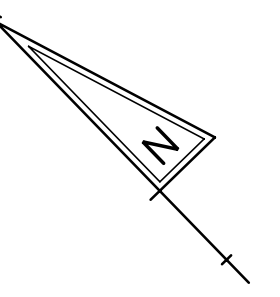
CS-105
SHEET NO.
966
TOTAL SHTS.
1256



**NOTES:**

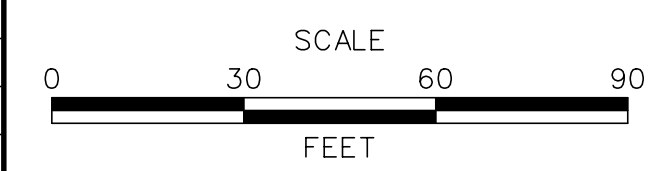
1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
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5. PROPOSED CURBS OR PAVEMENT THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATION.
6. OFFSETS FOR TEMPORARY DITCH ARE STATIONED OFF OF THE BUNKER HILL ROAD TEMPORARY BASELINE.
7. PROPOSED OFFSETS FOR BUNKER HILL ROAD DITCHES ARE GIVEN ON BUNKER HILL ROAD GG SHEETS

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
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61606	912+52.53	-11.0000	530313.3970	564970.3600



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ADDENDUMS / REVISIONS	



CONTRACT	T200911303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	JH
CHECKED BY:	MT

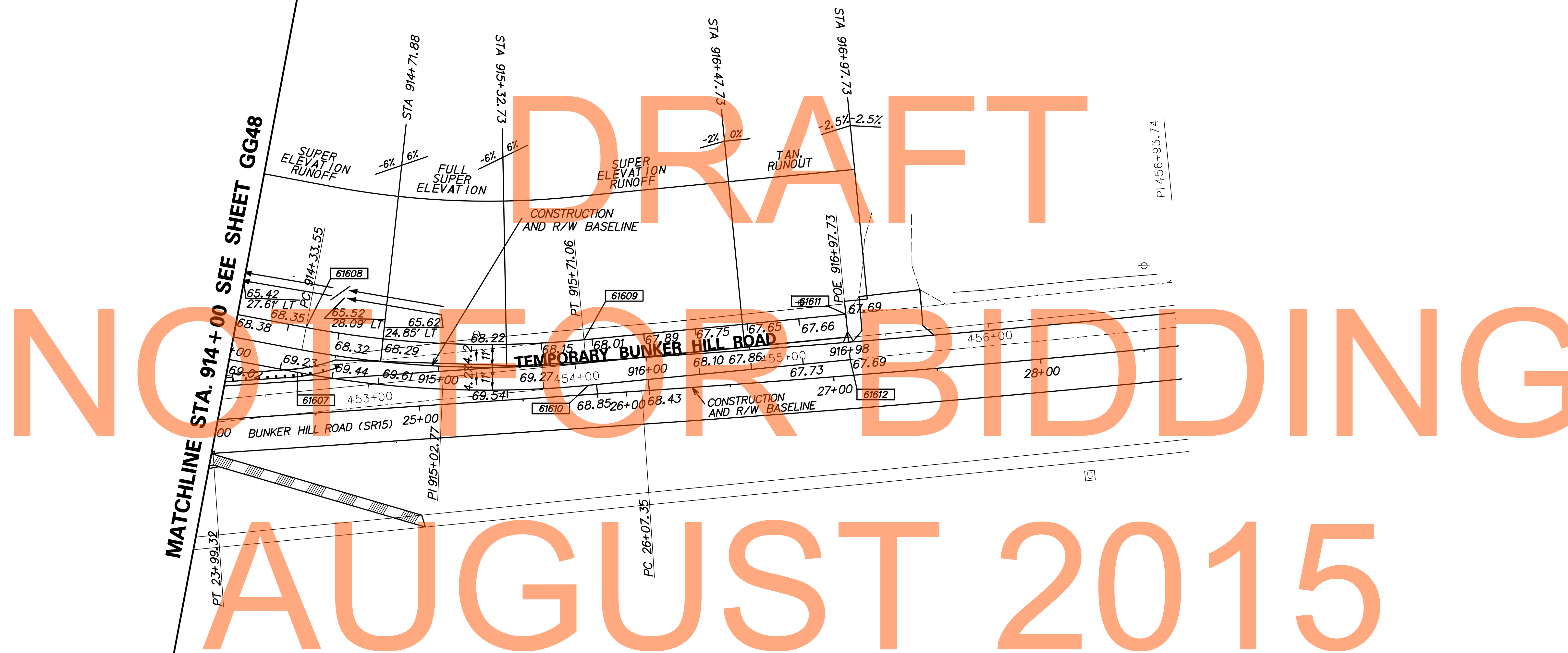
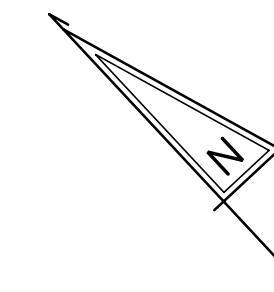
CS-106
SHEET NO.
967
TOTAL SHTS.
1256



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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61607	914+33.55	11.0000	530153.2819	565057.6275
61608	914+33.55	-11.0000	530166.0639	565075.5333
61609	915+71.06	-11.0000	530069.1337	565167.9802
61610	915+71.06	11.0000	530051.8528	565154.3651
61611	916+97.73	-11.0000	529990.7418	565267.4790
61612	916+97.73	11.0000	529973.4609	565253.8639



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	DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0      30      60      90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303 COUNTY NEW CASTLE	BRIDGE NO. DESIGNED BY: JH CHECKED BY: MT	CONSTRUCTION PHASING, M.O.T, AND EROSION CONTROL PLAN	CS-107 SHEET NO. 968 TOTAL SHTS. 1256