PHASE I: STAGE 1, 2, & 3

PHASE I

STAGE 1:

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, SOUTHBOUND CLAPHAM ROAD, BARRATTS CHAPEL ROAD AND BOWERS BEACH ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION.

2. INSTALL PERMANENT ADVANCE WARNING SIGNS, INCLUDING SPEED REDUCTION SIGNAGE ON SR1 TO 45 MPH.

STAGE 2:

1. PLACE E&S MEASURES FOR EXISTING DRAINAGE SYSTEM AND THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR AS DIRECTED BY THE ENGINEER. PLACE SAFETY FENCE ALONG PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN. INSTALL ALL STABILIZED CONSTRUCTION ENTRANCES REQUIRED FOR PHASE I, SHOWN IN THESE PLANS OR AS DIRECTED IN THE FIELD. WORK IN THIS OPERATION SHALL BE PERFORMED DURING OFF PEAK HOURS.

2. CLEAR ALL EXISTING VEGETATION AND DEBRIS WITHIN THE PROPOSED LIMITS OF CONSTRUCTION. DEMOLISH EXISTING BUILDINGS AS SHOW ON THE PLANS AND HAUL MATERIAL TO AN APPROVED OFFSITE FACILITY.

STAGE 3:

1. COMPLETE UTILITY RELOCATION OF KENT COUNTY SEWER, DELMARVA ELECTRIC AND VERIZON FACILITIES AS DESCRIBED ON THE PLANS AND UTILITY STATEMENT.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

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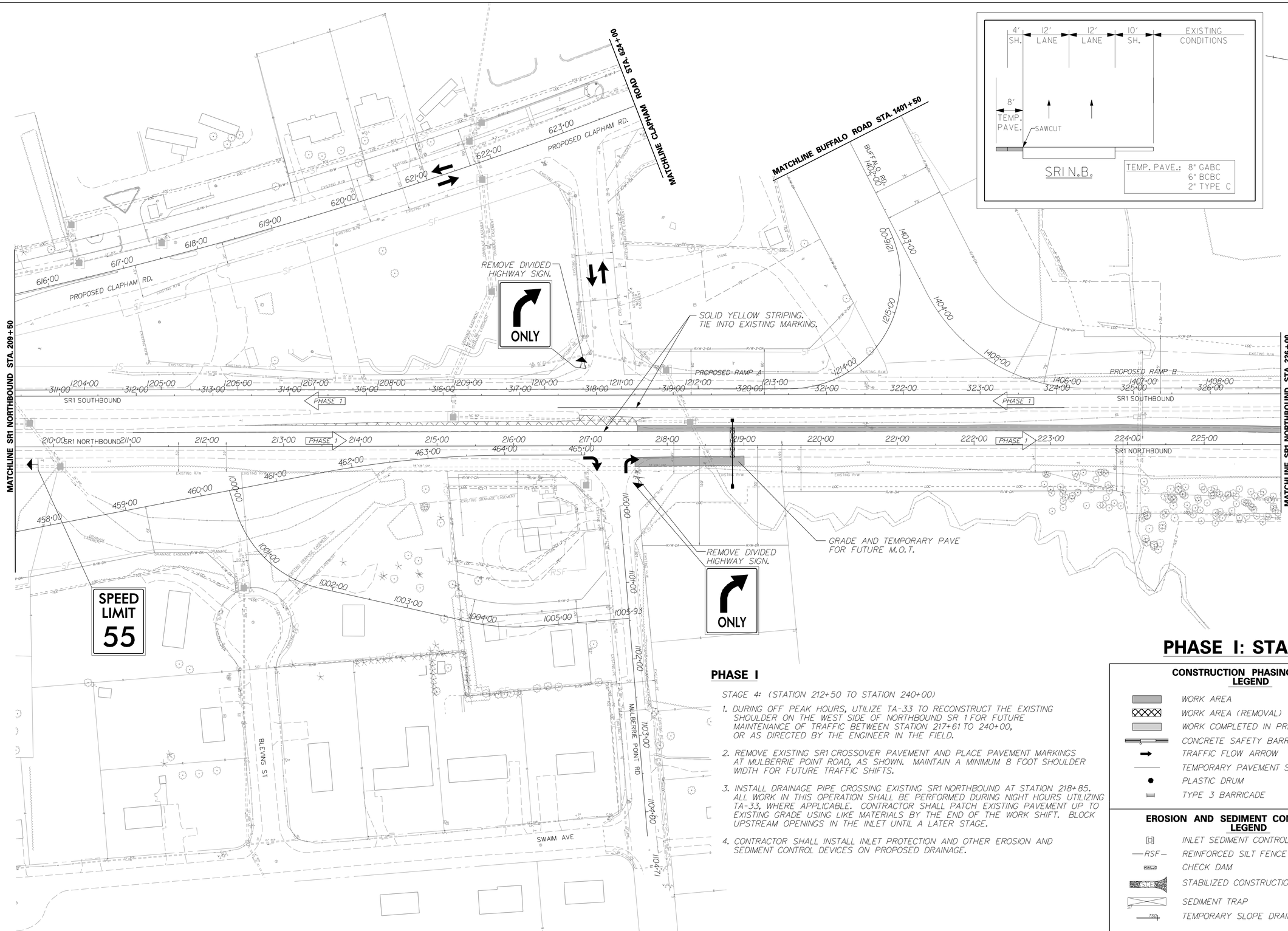

PHASE I: STAGE 4

PHASE I

STAGE 4: (STATION 212+50 TO STATION 240+00)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RECONSTRUCT THE EXISTING SHOULDER ON THE WEST SIDE OF NORTHBOUND SR 1 FOR FUTURE MAINTENANCE OF TRAFFIC BETWEEN STATION 217+61 TO 240+00, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
2. REMOVE EXISTING SR1 CROSSOVER PAVEMENT AND PLACE PAVEMENT MARKINGS AT MULBERRIE POINT ROAD, AS SHOWN. MAINTAIN A MINIMUM 8 FOOT SHOULDER WIDTH FOR FUTURE TRAFFIC SHIFTS.
3. INSTALL DRAINAGE PIPE CROSSING EXISTING SR1 NORTHBOUND AT STATION 218+85. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. BLOCK UPSTREAM OPENINGS IN THE INLET UNTIL A LATER STAGE.
4. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
302
TOTAL SHTS.
641

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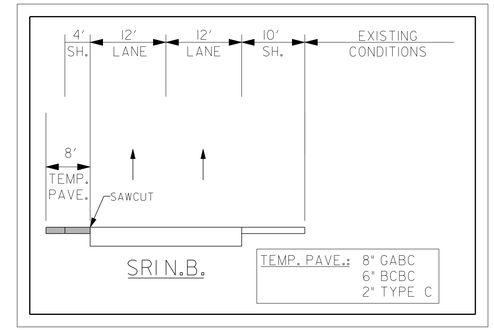

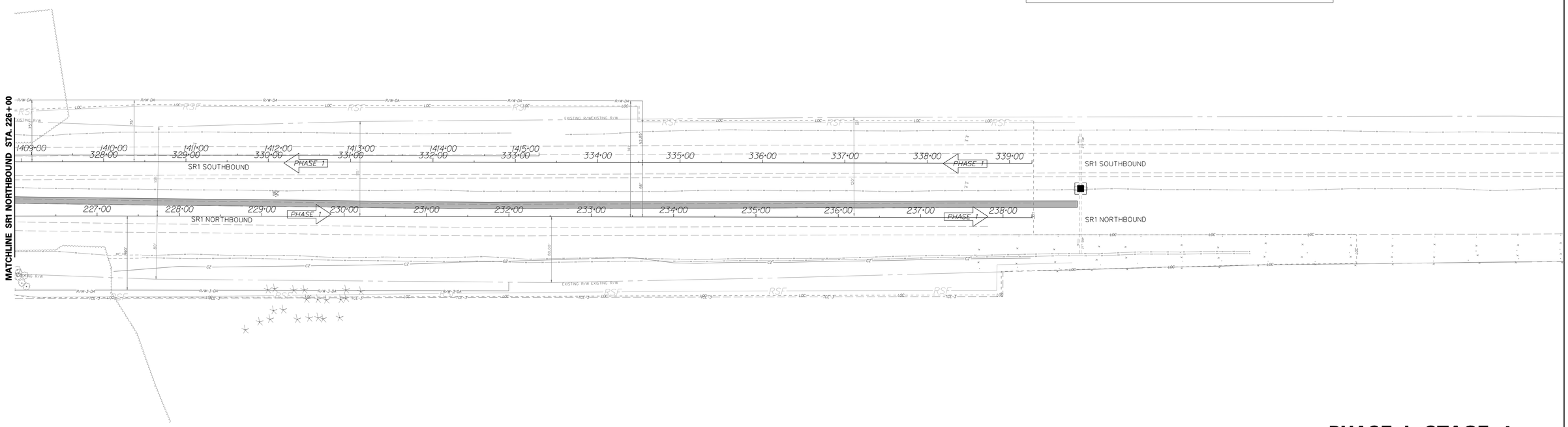

PHASE I: STAGE 4

PHASE I

STAGE 4: (STATION 212+50 TO STATION 240+00)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RECONSTRUCT THE EXISTING SHOULDER ON THE WEST SIDE OF NORTHBOUND SR 1 FOR FUTURE MAINTENANCE OF TRAFFIC BETWEEN STATION 217+61 TO 240+00, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
2. REMOVE EXISTING SR1 CROSSOVER PAVEMENT AND PLACE PAVEMENT MARKINGS AT MULBERRIE POINT ROAD, AS SHOWN. MAINTAIN A MINIMUM 8 FOOT SHOULDER WIDTH FOR FUTURE TRAFFIC SHIFTS.
3. INSTALL DRAINAGE PIPE CROSSING EXISTING SR1 NORTHBOUND AT STATION 218+85. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. BLOCK UPSTREAM OPENINGS IN THE INLET UNTIL A LATER STAGE.
4. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 303
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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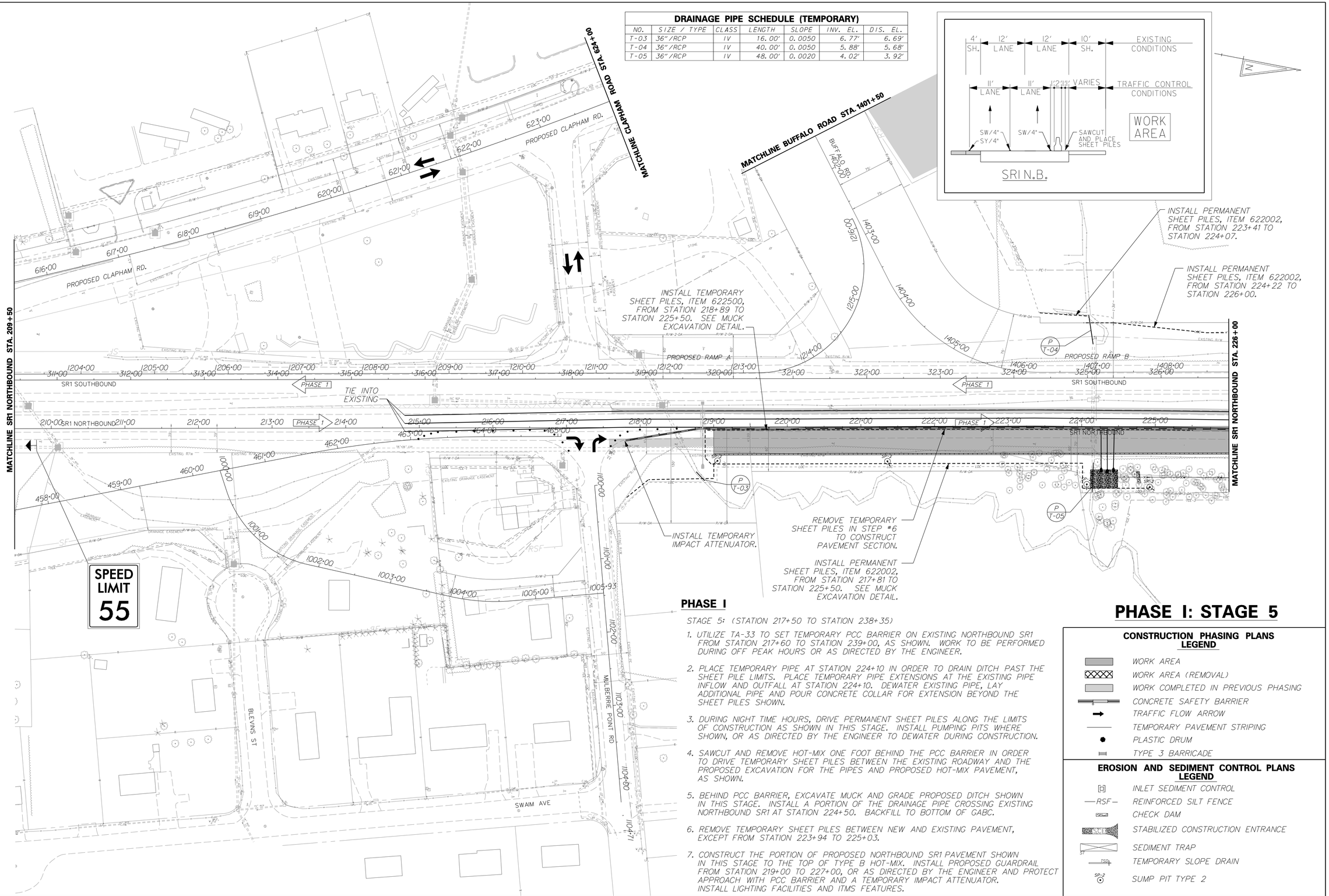
DRAINAGE PIPE SCHEDULE (TEMPORARY)						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-03	36"/RCP	IV	16.00'	0.0050	6.77'	6.69'
T-04	36"/RCP	IV	40.00'	0.0050	5.88'	5.68'
T-05	36"/RCP	IV	48.00'	0.0020	4.02'	3.92'



PHASE I: STAGE 5

PHASE I

STAGE 5: (STATION 217+50 TO STATION 238+35)

1. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING NORTHBOUND SR1 FROM STATION 217+60 TO STATION 239+00, AS SHOWN. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
2. PLACE TEMPORARY PIPE AT STATION 224+10 IN ORDER TO DRAIN DITCH PAST THE SHEET PILE LIMITS. PLACE TEMPORARY PIPE EXTENSIONS AT THE EXISTING PIPE INFLOW AND OUTFALL AT STATION 224+10. DEWATER EXISTING PIPE, LAY ADDITIONAL PIPE AND POUR CONCRETE COLLAR FOR EXTENSION BEYOND THE SHEET PILES SHOWN.
3. DURING NIGHT TIME HOURS, DRIVE PERMANENT SHEET PILES ALONG THE LIMITS OF CONSTRUCTION AS SHOWN IN THIS STAGE. INSTALL PUMPING PITS WHERE SHOWN, OR AS DIRECTED BY THE ENGINEER TO DEWATER DURING CONSTRUCTION.
4. SAWCUT AND REMOVE HOT-MIX ONE FOOT BEHIND THE PCC BARRIER IN ORDER TO DRIVE TEMPORARY SHEET PILES BETWEEN THE EXISTING ROADWAY AND THE PROPOSED EXCAVATION FOR THE PIPES AND PROPOSED HOT-MIX PAVEMENT, AS SHOWN.
5. BEHIND PCC BARRIER, EXCAVATE MUCK AND GRADE PROPOSED DITCH SHOWN IN THIS STAGE. INSTALL A PORTION OF THE DRAINAGE PIPE CROSSING EXISTING NORTHBOUND SR1 AT STATION 224+50. BACKFILL TO BOTTOM OF GABC.
6. REMOVE TEMPORARY SHEET PILES BETWEEN NEW AND EXISTING PAVEMENT, EXCEPT FROM STATION 223+94 TO 225+03.
7. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 PAVEMENT SHOWN IN THIS STAGE TO THE TOP OF TYPE B HOT-MIX. INSTALL PROPOSED GUARDRAIL FROM STATION 219+00 TO 227+00, OR AS DIRECTED BY THE ENGINEER AND PROTECT APPROACH WITH PCC BARRIER AND A TEMPORARY IMPACT ATTENUATOR. INSTALL LIGHTING FACILITIES AND ITMS FEATURES.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN
- SP-2 SUMP PIT TYPE 2

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
304
TOTAL SHTS.
641

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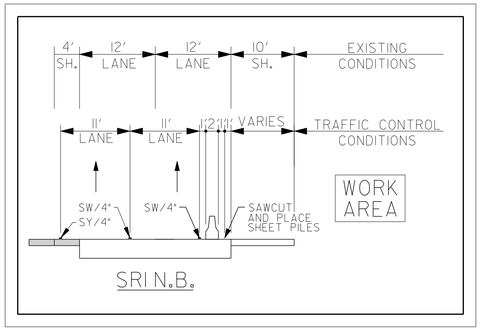

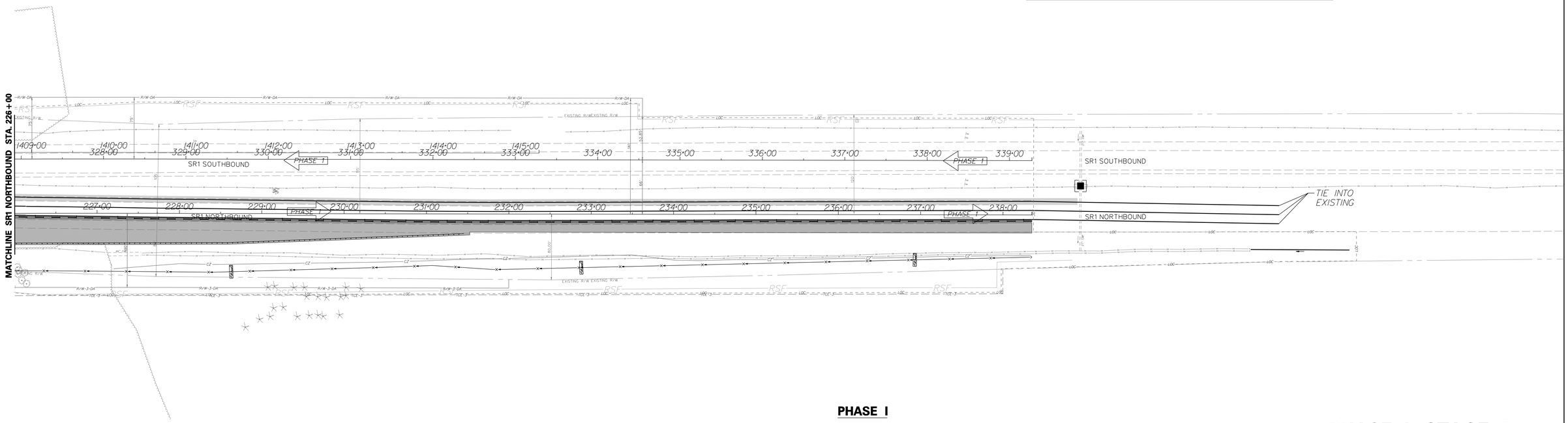

PHASE I

STAGE 5: (STATION 217+50 TO STATION 238+35)

1. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING NORTHBOUND SR1 FROM STATION 217+60 TO STATION 239+00, AS SHOWN. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
2. PLACE TEMPORARY PIPE AT STATION 224+10 IN ORDER TO DRAIN DITCH PAST THE SHEET PILE LIMITS. PLACE TEMPORARY PIPE EXTENSIONS AT THE EXISTING PIPE INFLOW AND OUTFALL AT STATION 224+10. DEWATER EXISTING PIPE, LAY ADDITIONAL PIPE AND POUR CONCRETE COLLAR FOR EXTENSION BEYOND THE SHEET PILES SHOWN.
3. DURING NIGHT TIME HOURS, DRIVE PERMANENT SHEET PILES ALONG THE LIMITS OF CONSTRUCTION AS SHOWN IN THIS STAGE. INSTALL PUMPING PITS WHERE SHOWN, OR AS DIRECTED BY THE ENGINEER TO DEWATER DURING CONSTRUCTION.
4. SAWCUT AND REMOVE HOT-MIX ONE FOOT BEHIND THE PCC BARRIER IN ORDER TO DRIVE TEMPORARY SHEET PILES BETWEEN THE EXISTING ROADWAY AND THE PROPOSED EXCAVATION FOR THE PIPES AND PROPOSED HOT-MIX PAVEMENT, AS SHOWN.
5. BEHIND PCC BARRIER, EXCAVATE MUCK AND GRADE PROPOSED DITCH SHOWN IN THIS STAGE. INSTALL A PORTION OF THE DRAINAGE PIPE CROSSING EXISTING NORTHBOUND SR1 AT STATION 224+50. BACKFILL TO BOTTOM OF GABC.
6. REMOVE TEMPORARY SHEET PILES BETWEEN NEW AND EXISTING PAVEMENT, EXCEPT FROM STATION 223+94 TO 225+03.
7. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 PAVEMENT SHOWN IN THIS STAGE TO THE TOP OF TYPE B HOT-MIX. INSTALL PROPOSED GUARDRAIL FROM STATION 219+00 TO 227+00, OR AS DIRECTED BY THE ENGINEER AND PROTECT APPROACH WITH PCC BARRIER AND A TEMPORARY IMPACT ATTENUATOR. INSTALL LIGHTING FACILITIES AND ITMS FEATURES.

PHASE I: STAGE 5

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 305
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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PHASE I

STAGE 6: (STATION 202+00 TO STATION 238+35)

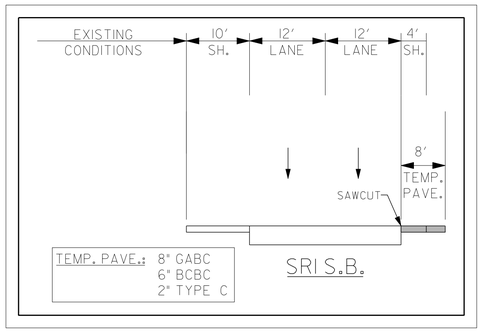
1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND AND SOUTHBOUND SR1 TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION AND AN UPCOMING LANE SHIFT.

2. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RECONSTRUCT THE EXISTING SHOULDER ON THE EAST SIDE OF SOUTHBOUND SR 1 FOR FUTURE MAINTENANCE OF TRAFFIC BETWEEN STATION 303+00 TO 309+00, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

3. UTILIZE TA-33 TO REMOVE BARRIER PREVIOUSLY PLACED IN STAGE 5 AND SET TEMPORARY PCC BARRIER ON EXISTING NORTHBOUND SR1 FROM STATION 215+00 TO STATION 233+00 ON THE LEFT SIDE, AS SHOWN ONE FOOT TO THE RIGHT OF THE REMAINING SHEET PILES. SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 313+50 TO 341+00 ON THE RIGHT SIDE AS SHOWN ON THE MOT TYPICAL SECTION IN THIS STAGE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

4. ONE FOOT BEHIND PCC BARRIER, SAWCUT AND REMOVE HOTMIX ON SOUTHBOUND SR1 IN ORDER TO DRIVE TEMPORARY SHEET PILES BETWEEN THE EXISTING ROADWAY AND THE PROPOSED EXCAVATION FOR THE PIPES, AS SHOWN.

5. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 224+25 TO 235+50 IN THE MEDIAN. PROPOSED INLETS LOCATED AT 224+50, 226+00, AND 228+50 SHALL BE CONSTRUCTED AS JUNCTION BOXES AND LATER CONVERTED INTO CATCH BASINS TO DRAIN AT PROPOSED GRADES. INSTALL THE SECOND PORTION OF THE DRAINAGE PIPE CROSSING EXISTING NORTHBOUND SR1 AND THE MEDIAN AT STATION 224+50. SHEET PILES AT THE DOWN STREAM END SHALL BE REMOVED TO INSTALL PIPES. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS. CONSTRUCT TEMPORARY PAVEMENT AND PLACE TEMPORARY STRIPING IN THE MEDIAN FOR NEW TRAFFIC CONFIGURATION IN THE NEXT STAGE, AS SHOWN.



PHASE I: STAGE 6

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
306
TOTAL SHTS.
641

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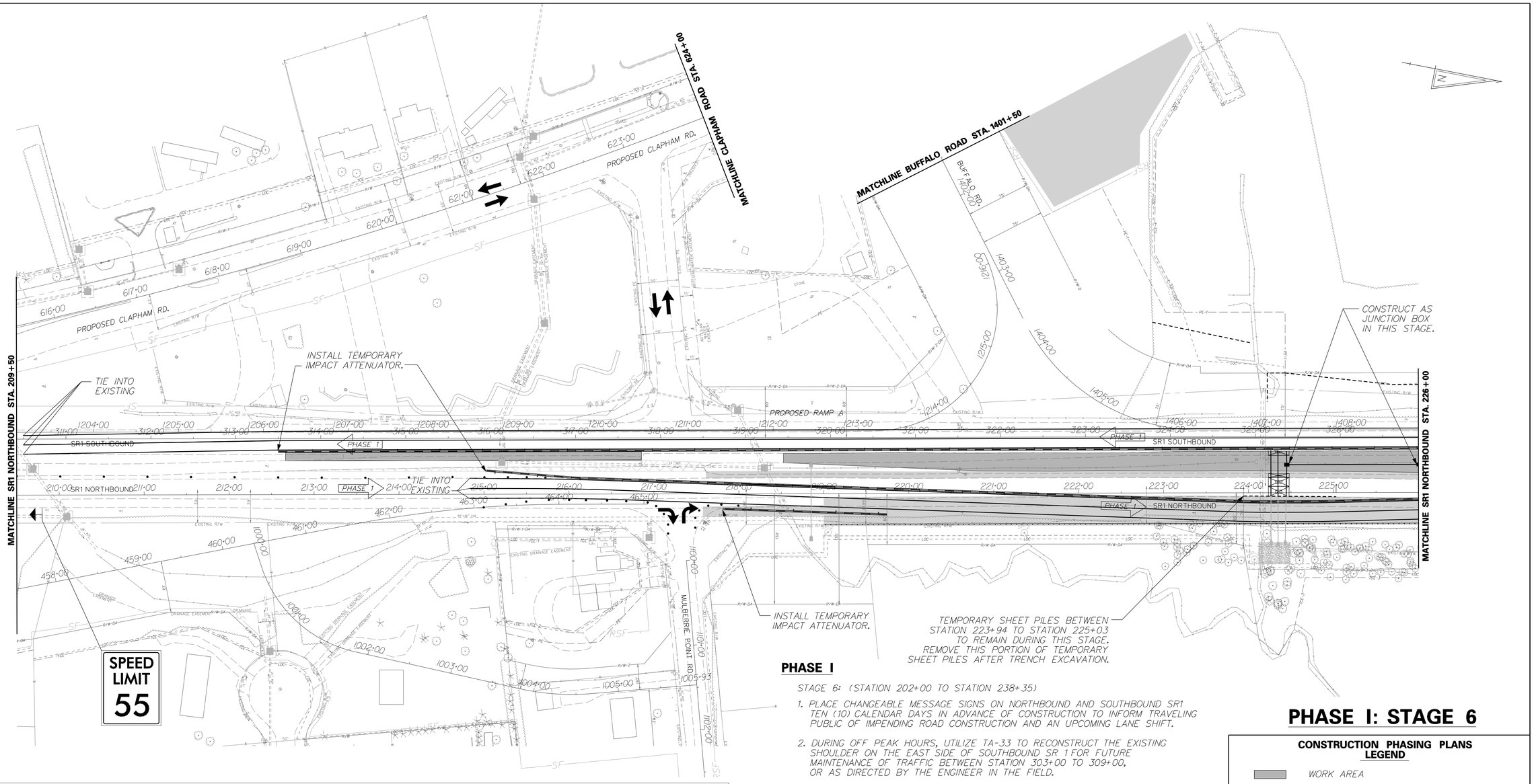

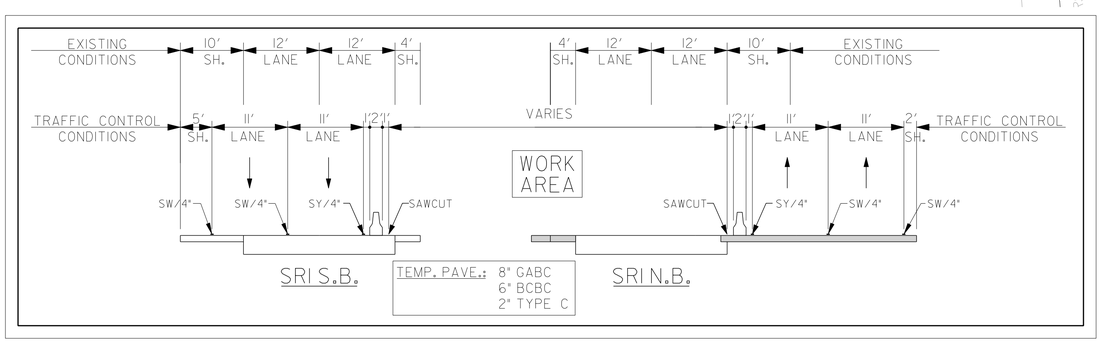

PHASE I

STAGE 6: (STATION 202+00 TO STATION 238+35)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND AND SOUTHBOUND SR1 TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION AND AN UPCOMING LANE SHIFT.

2. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RECONSTRUCT THE EXISTING SHOULDER ON THE EAST SIDE OF SOUTHBOUND SR 1 FOR FUTURE MAINTENANCE OF TRAFFIC BETWEEN STATION 303+00 TO 309+00, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

3. UTILIZE TA-33 TO REMOVE BARRIER PREVIOUSLY PLACED IN STAGE 5 AND SET TEMPORARY PCC BARRIER ON EXISTING NORTHBOUND SR1 FROM STATION 215+00 TO STATION 233+00 ON THE LEFT SIDE, AS SHOWN ONE FOOT TO THE RIGHT OF THE REMAINING SHEET PILES. SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 313+50 TO 341+00 ON THE RIGHT SIDE AS SHOWN ON THE MOT TYPICAL SECTION IN THIS STAGE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

4. ONE FOOT BEHIND PCC BARRIER, SAWCUT AND REMOVE HOTMIX ON SOUTHBOUND SR1 IN ORDER TO DRIVE TEMPORARY SHEET PILES BETWEEN THE EXISTING ROADWAY AND THE PROPOSED EXCAVATION FOR THE PIPES, AS SHOWN.

5. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 224+25 TO 235+50 IN THE MEDIAN. PROPOSED INLETS LOCATED AT 224+50, 226+00, AND 228+50 SHALL BE CONSTRUCTED AS JUNCTION BOXES AND LATER CONVERTED INTO CATCH BASINS TO DRAIN AT PROPOSED GRADES. INSTALL THE SECOND PORTION OF THE DRAINAGE PIPE CROSSING EXISTING NORTHBOUND SR1 AND THE MEDIAN AT STATION 224+50. SHEET PILES AT THE DOWN STREAM END SHALL BE REMOVED TO INSTALL PIPES. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS. CONSTRUCT TEMPORARY PAVEMENT AND PLACE TEMPORARY STRIPING IN THE MEDIAN FOR NEW TRAFFIC CONFIGURATION IN THE NEXT STAGE, AS SHOWN.

PHASE I: STAGE 6

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 · BRIDGE NO. - · COUNTY KENT · DESIGNED BY: SFP · CHECKED BY: WFC · CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL · SHEET NO. 307 · TOTAL SHTS. 641

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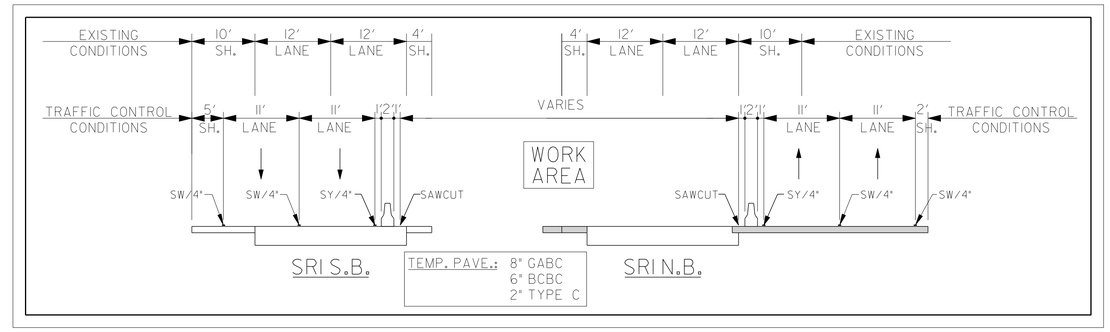

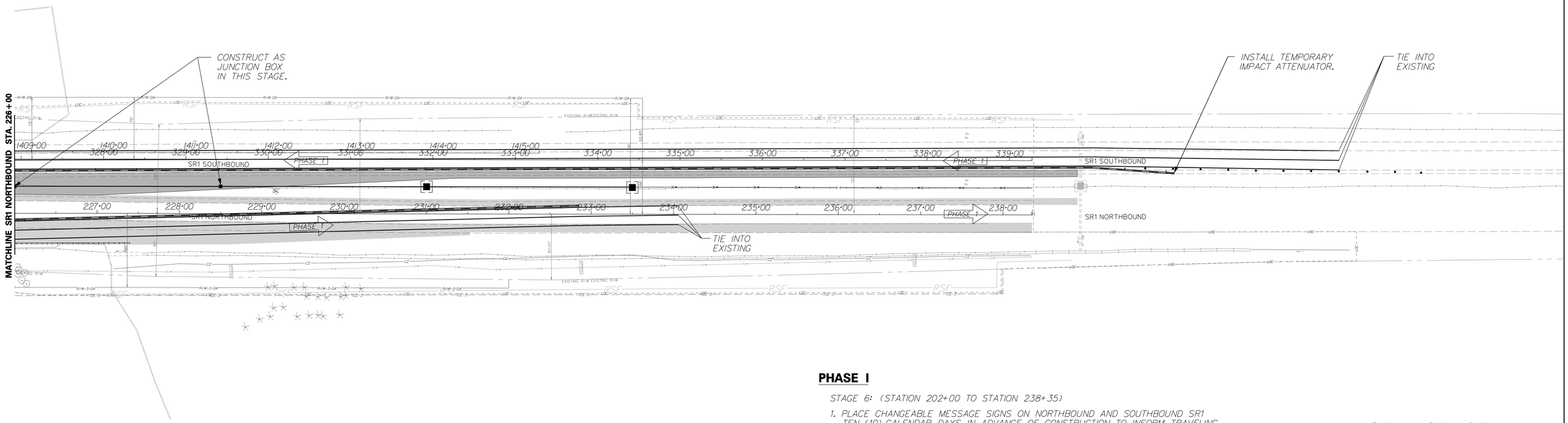

PHASE I

STAGE 6: (STATION 202+00 TO STATION 238+35)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND AND SOUTHBOUND SR1 TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION AND AN UPCOMING LANE SHIFT.

2. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RECONSTRUCT THE EXISTING SHOULDER ON THE EAST SIDE OF SOUTHBOUND SR 1 FOR FUTURE MAINTENANCE OF TRAFFIC BETWEEN STATION 303+00 TO 309+00, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

3. UTILIZE TA-33 TO REMOVE BARRIER PREVIOUSLY PLACED IN STAGE 5 AND SET TEMPORARY PCC BARRIER ON EXISTING NORTHBOUND SR1 FROM STATION 215+00 TO STATION 233+00 ON THE LEFT SIDE, AS SHOWN ONE FOOT TO THE RIGHT OF THE REMAINING SHEET PILES. SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 313+50 TO 341+00 ON THE RIGHT SIDE AS SHOWN ON THE MOT TYPICAL SECTION IN THIS STAGE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

4. ONE FOOT BEHIND PCC BARRIER, SAWCUT AND REMOVE HOTMIX ON SOUTHBOUND SR1 IN ORDER TO DRIVE TEMPORARY SHEET PILES BETWEEN THE EXISTING ROADWAY AND THE PROPOSED EXCAVATION FOR THE PIPES, AS SHOWN.

5. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 224+25 TO 235+50 IN THE MEDIAN. PROPOSED INLETS LOCATED AT 224+50, 226+00, AND 228+50 SHALL BE CONSTRUCTED AS JUNCTION BOXES AND LATER CONVERTED INTO CATCH BASINS TO DRAIN AT PROPOSED GRADES. INSTALL THE SECOND PORTION OF THE DRAINAGE PIPE CROSSING EXISTING NORTHBOUND SR1 AND THE MEDIAN AT STATION 224+50. SHEET PILES AT THE DOWN STREAM END SHALL BE REMOVED TO INSTALL PIPES. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS. CONSTRUCT TEMPORARY PAVEMENT AND PLACE TEMPORARY STRIPING IN THE MEDIAN FOR NEW TRAFFIC CONFIGURATION IN THE NEXT STAGE, AS SHOWN.

PHASE I: STAGE 6

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC
CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 308 / TOTAL SHTS. 641				

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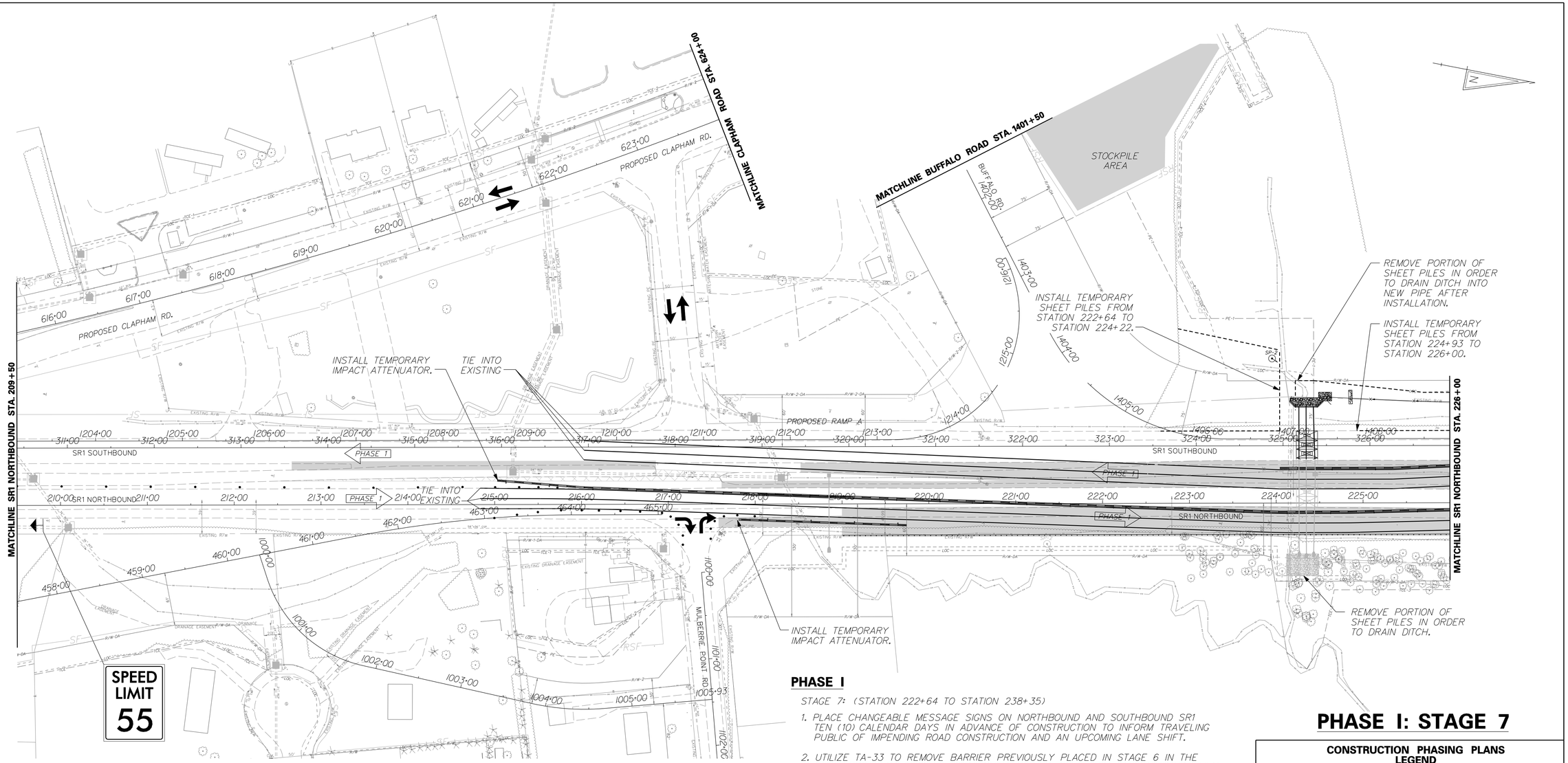

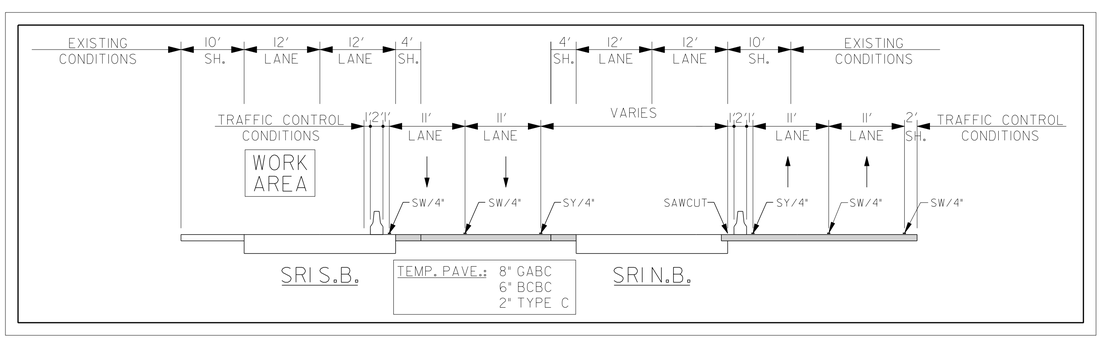

PHASE I

STAGE 7: (STATION 222+64 TO STATION 238+35)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND AND SOUTHBOUND SR1 TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION AND AN UPCOMING LANE SHIFT.
2. UTILIZE TA-33 TO REMOVE BARRIER PREVIOUSLY PLACED IN STAGE 6 IN THE SOUTHBOUND DIRECTION ON SR1. SHIFT TRAFFIC ONTO THE TEMPORARY PAVEMENT AND RESET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 325+00 TO STATION 335+00 ON THE LEFT SIDE, AS SHOWN. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. DRIVE TEMPORARY SHEET PILES ALONG THE SOUTHBOUND SR1 SHOULDER, AS SHOWN IN THIS STAGE. INSTALL PUMPING PITS WHERE SHOWN, OR AS DIRECTED BY THE ENGINEER TO DEWATER DURING CONSTRUCTION.
4. CONTRACTOR SHALL INSTALL PIPE CROSSING EXISTING SR1 SOUTHBOUND AT STATION 325+40 AND BUILD HEADWALL. SHEET PILES AT THE DOWNSTREAM END SHALL BE REMOVED TO CONNECT PIPES.
5. REMOVE A PORTION OF SHEET PILES IN ORDER FOR THE EXISTING DITCH TO DRAIN INTO THE NEW PIPE. BLOCK THE UPSTREAM END OF THE EXISTING PIPE CROSSING SR1 AT STATION 325+10 AND FILL PIPE WITH FLOWABLE FILL CONCRETE.
6. CONSTRUCT ALL THE REMAINING DRAINAGE SHOWN IN THIS STAGE FROM STATION 325+00 TO THE PROJECT'S LIMITS ON THE WEST SIDE OF EXISTING SR1 AND THE MEDIAN. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS.
7. UTILIZE TA-33 TO REMOVE TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND AND NORTHBOUND SR1. SHIFT TRAFFIC TO THE ORIGINAL CONDITIONS AND PLACE TEMPORARY STRIPING. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
8. CONTRACTOR SHALL INSTALL SEDIMENT TRAP AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 7

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN
- SP-2 SUMP PIT TYPE 2

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 309 / TOTAL SHTS. 641

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SEDIMENT TRAP SCHEDULE							
NO.	D.A.	VOL. PROVIDED	LENGTH	WIDTH	BOTTOM EL.	WIER CREST EL.	CLEAN OUT EL.
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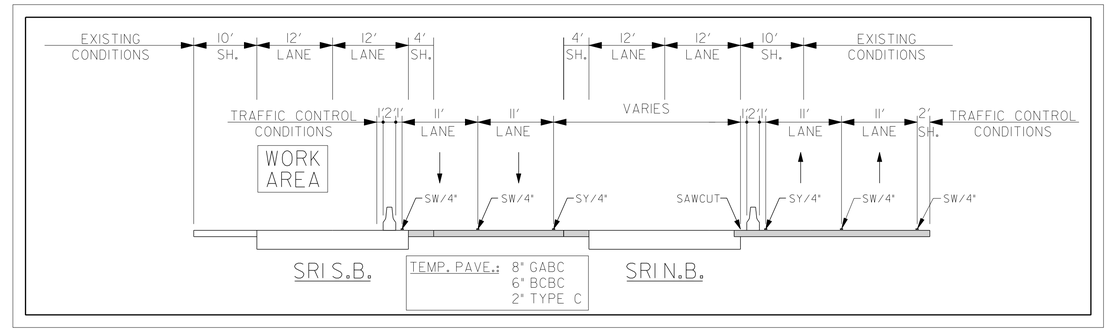

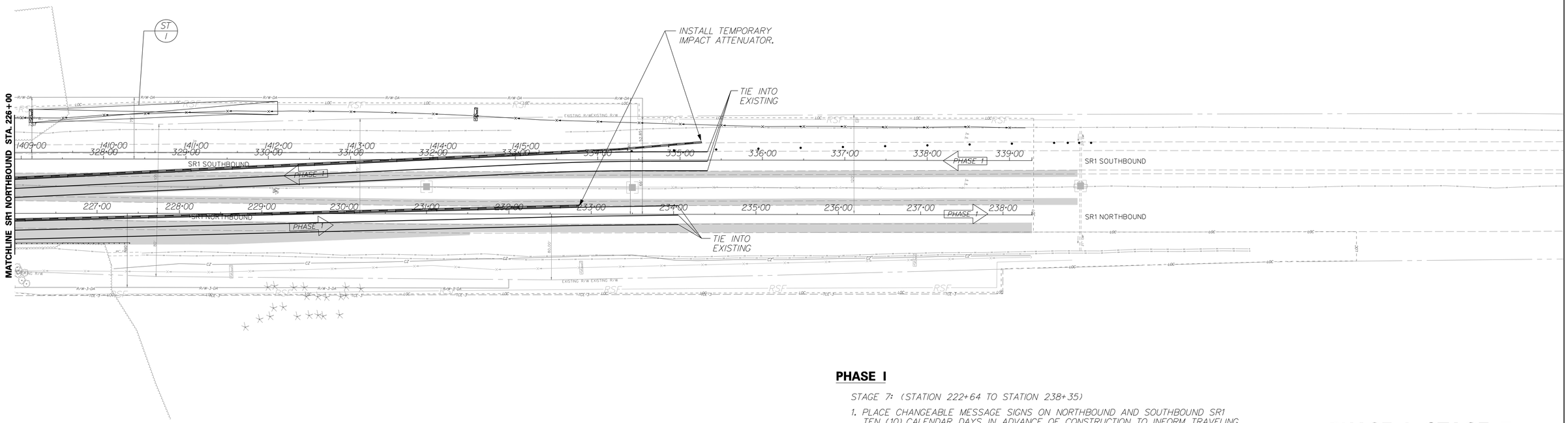

PHASE I

STAGE 7: (STATION 222+64 TO STATION 238+35)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND AND SOUTHBOUND SR1 TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION AND AN UPCOMING LANE SHIFT.
2. UTILIZE TA-33 TO REMOVE BARRIER PREVIOUSLY PLACED IN STAGE 6 IN THE SOUTHBOUND DIRECTION ON SR1. SHIFT TRAFFIC ONTO THE TEMPORARY PAVEMENT AND RESET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 325+00 TO STATION 335+00 ON THE LEFT SIDE, AS SHOWN. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. DRIVE TEMPORARY SHEET PILES ALONG THE SOUTHBOUND SR1 SHOULDER, AS SHOWN IN THIS STAGE. INSTALL PUMPING PITS WHERE SHOWN, OR AS DIRECTED BY THE ENGINEER TO DEWATER DURING CONSTRUCTION.
4. CONTRACTOR SHALL INSTALL PIPE CROSSING EXISTING SR1 SOUTHBOUND AT STATION 325+40 AND BUILD HEADWALL. SHEET PILES AT THE DOWNSTREAM END SHALL BE REMOVED TO CONNECT PIPES.
5. REMOVE A PORTION OF SHEET PILES IN ORDER FOR THE EXISTING DITCH TO DRAIN INTO THE NEW PIPE. BLOCK THE UPSTREAM END OF THE EXISTING PIPE CROSSING SR1 AT STATION 325+10 AND FILL PIPE WITH FLOWABLE FILL CONCRETE.
6. CONSTRUCT ALL THE REMAINING DRAINAGE SHOWN IN THIS STAGE FROM STATION 325+00 TO THE PROJECT'S LIMITS ON THE WEST SIDE OF EXISTING SR1 AND THE MEDIAN. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS.
7. UTILIZE TA-33 TO REMOVE TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND AND NORTHBOUND SR1. SHIFT TRAFFIC TO THE ORIGINAL CONDITIONS AND PLACE TEMPORARY STRIPING. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
8. CONTRACTOR SHALL INSTALL SEDIMENT TRAP AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 7

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
310
TOTAL SHTS.
641

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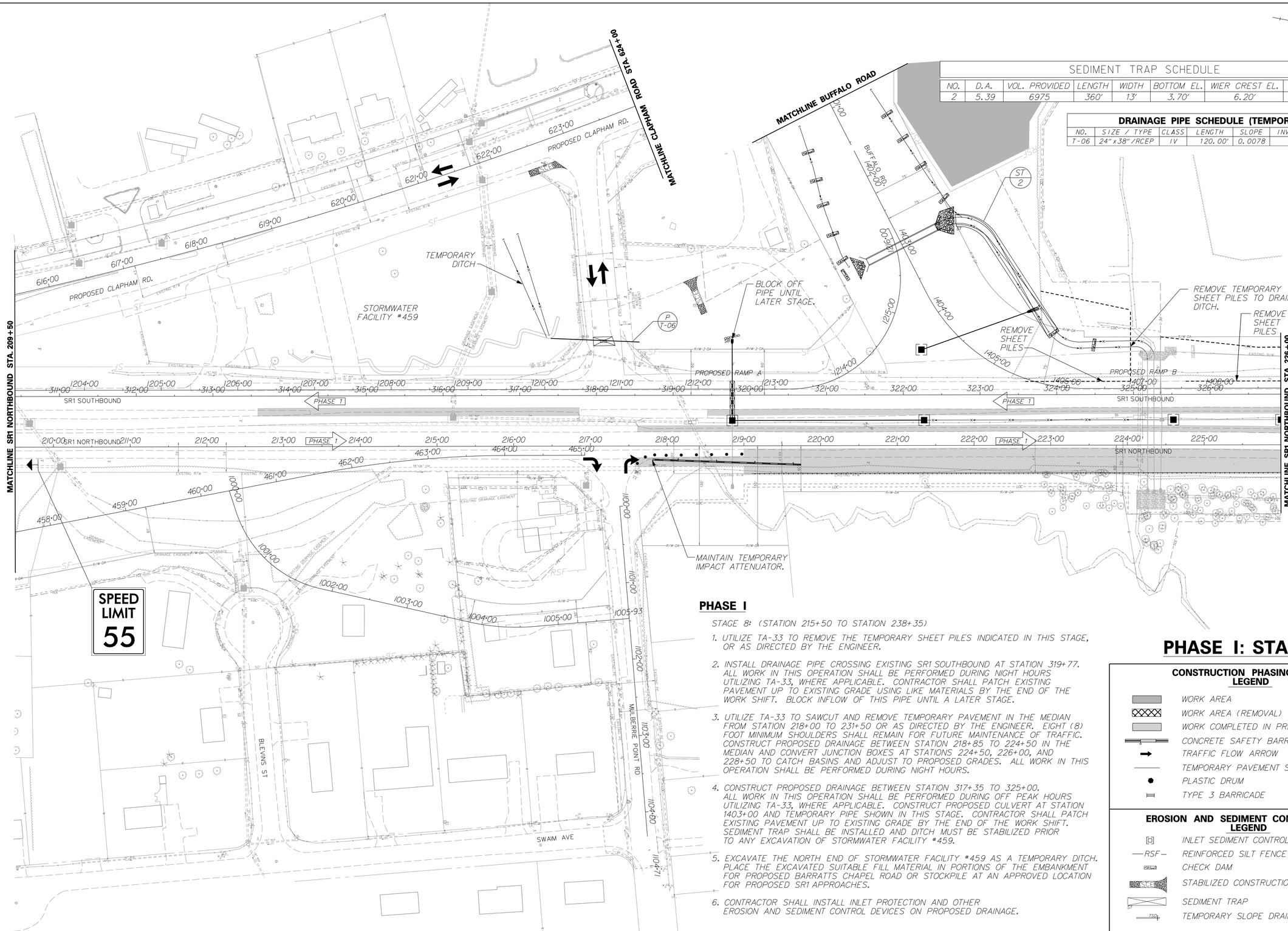

SEDIMENT TRAP SCHEDULE

NO.	D.A.	VOL. PROVIDED	LENGTH	WIDTH	BOTTOM EL.	WIER CREST EL.	CLEAN OUT EL.
2	5.39	6975	360'	13'	3.70'	6.20'	4.70'

DRAINAGE PIPE SCHEDULE (TEMPORARY)

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-06	24" x 38" / RCEP	IV	120.00'	0.0078	9.00'	8.06'

PHASE I

STAGE 8: (STATION 215+50 TO STATION 238+35)

1. UTILIZE TA-33 TO REMOVE THE TEMPORARY SHEET PILES INDICATED IN THIS STAGE, OR AS DIRECTED BY THE ENGINEER.
2. INSTALL DRAINAGE PIPE CROSSING EXISTING SR1 SOUTHBOUND AT STATION 319+77. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. BLOCK INFLOW OF THIS PIPE UNTIL A LATER STAGE.
3. UTILIZE TA-33 TO SAWCUT AND REMOVE TEMPORARY PAVEMENT IN THE MEDIAN FROM STATION 218+00 TO 231+50 OR AS DIRECTED BY THE ENGINEER. EIGHT (8) FOOT MINIMUM SHOULDERS SHALL REMAIN FOR FUTURE MAINTENANCE OF TRAFFIC. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 218+85 TO 224+50 IN THE MEDIAN AND CONVERT JUNCTION BOXES AT STATIONS 224+50, 226+00, AND 228+50 TO CATCH BASINS AND ADJUST TO PROPOSED GRADES. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS.
4. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 317+35 TO 325+00. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING OFF PEAK HOURS UTILIZING TA-33, WHERE APPLICABLE. CONSTRUCT PROPOSED CULVERT AT STATION 1403+00 AND TEMPORARY PIPE SHOWN IN THIS STAGE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT. SEDIMENT TRAP SHALL BE INSTALLED AND DITCH MUST BE STABILIZED PRIOR TO ANY EXCAVATION OF STORMWATER FACILITY #459.
5. EXCAVATE THE NORTH END OF STORMWATER FACILITY #459 AS A TEMPORARY DITCH. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES.
6. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 8

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 311 / TOTAL SHTS. 641

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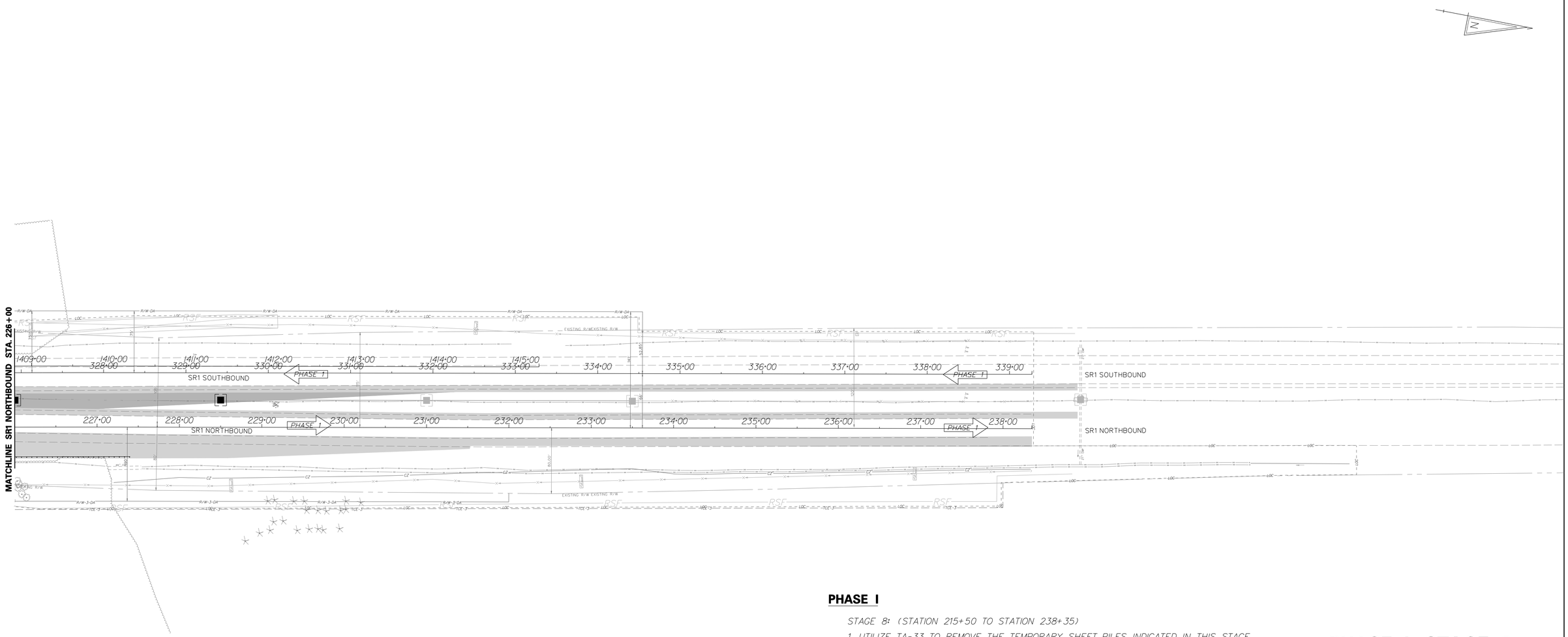

PHASE I

STAGE 8: (STATION 215+50 TO STATION 238+35)

1. UTILIZE TA-33 TO REMOVE THE TEMPORARY SHEET PILES INDICATED IN THIS STAGE, OR AS DIRECTED BY THE ENGINEER.

2. INSTALL DRAINAGE PIPE CROSSING EXISTING SR1 SOUTHBOUND AT STATION 319+77. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. BLOCK INFLOW OF THIS PIPE UNTIL A LATER STAGE.

3. UTILIZE TA-33 TO SAWCUT AND REMOVE TEMPORARY PAVEMENT IN THE MEDIAN FROM STATION 218+00 TO 231+50 OR AS DIRECTED BY THE ENGINEER. EIGHT (8) FOOT MINIMUM SHOULDERS SHALL REMAIN FOR FUTURE MAINTENANCE OF TRAFFIC. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 218+85 TO 224+50 IN THE MEDIAN AND CONVERT JUNCTION BOXES AT STATIONS 224+50, 226+00, AND 228+50 TO CATCH BASINS AND ADJUST TO PROPOSED GRADES. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS.

4. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 317+35 TO 325+00. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING OFF PEAK HOURS UTILIZING TA-33, WHERE APPLICABLE. CONSTRUCT PROPOSED CULVERT AT STATION 1403+00 AND TEMPORARY PIPE SHOWN IN THIS STAGE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT. SEDIMENT TRAP SHALL BE INSTALLED AND DITCH MUST BE STABILIZED PRIOR TO ANY EXCAVATION OF STORMWATER FACILITY #459.

5. EXCAVATE THE NORTH END OF STORMWATER FACILITY #459 AS A TEMPORARY DITCH. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES.

6. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 8

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
312
TOTAL SHTS.
641

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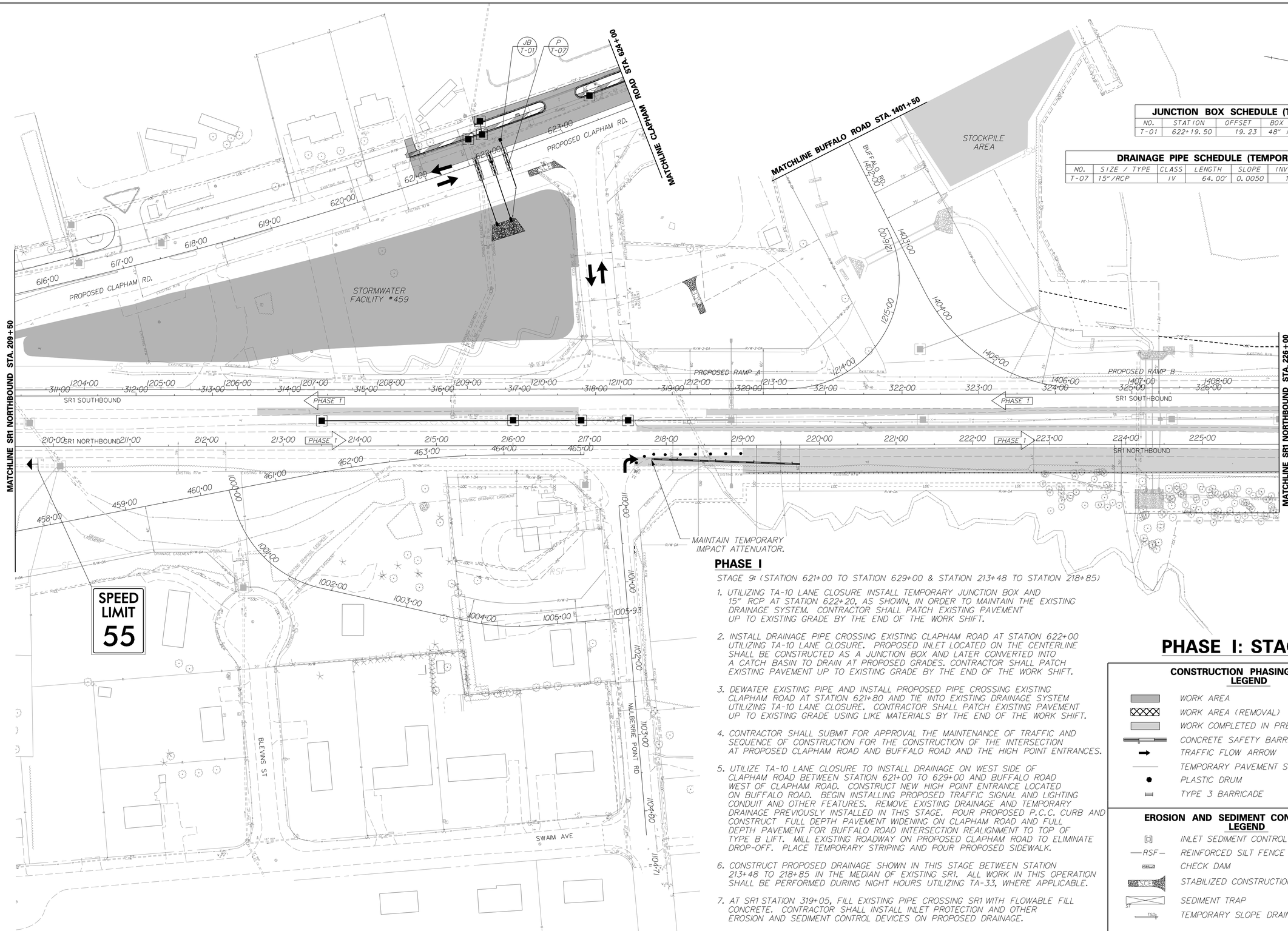

JUNCTION BOX SCHEDULE (TEMPORARY)				
NO.	STATION	OFFSET	BOX SIZE	INV. EL.
T-01	622+19.50	19.23	48" x 48"	11.25'

DRAINAGE PIPE SCHEDULE (TEMPORARY)						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-07	15"/RCP	IV	64.00'	0.0050	11.25'	10.93'

PHASE I

STAGE 9: (STATION 621+00 TO STATION 629+00 & STATION 213+48 TO STATION 218+85)

1. UTILIZING TA-10 LANE CLOSURE INSTALL TEMPORARY JUNCTION BOX AND 15" RCP AT STATION 622+20, AS SHOWN, IN ORDER TO MAINTAIN THE EXISTING DRAINAGE SYSTEM. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT.
2. INSTALL DRAINAGE PIPE CROSSING EXISTING CLAPHAM ROAD AT STATION 622+00 UTILIZING TA-10 LANE CLOSURE. PROPOSED INLET LOCATED ON THE CENTERLINE SHALL BE CONSTRUCTED AS A JUNCTION BOX AND LATER CONVERTED INTO A CATCH BASIN TO DRAIN AT PROPOSED GRADES. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT.
3. DEWATER EXISTING PIPE AND INSTALL PROPOSED PIPE CROSSING EXISTING CLAPHAM ROAD AT STATION 621+80 AND TIE INTO EXISTING DRAINAGE SYSTEM UTILIZING TA-10 LANE CLOSURE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.
4. CONTRACTOR SHALL SUBMIT FOR APPROVAL THE MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION FOR THE CONSTRUCTION OF THE INTERSECTION AT PROPOSED CLAPHAM ROAD AND BUFFALO ROAD AND THE HIGH POINT ENTRANCES.
5. UTILIZE TA-10 LANE CLOSURE TO INSTALL DRAINAGE ON WEST SIDE OF CLAPHAM ROAD BETWEEN STATION 621+00 TO 629+00 AND BUFFALO ROAD WEST OF CLAPHAM ROAD. CONSTRUCT NEW HIGH POINT ENTRANCE LOCATED ON BUFFALO ROAD. BEGIN INSTALLING PROPOSED TRAFFIC SIGNAL AND LIGHTING CONDUIT AND OTHER FEATURES. REMOVE EXISTING DRAINAGE AND TEMPORARY DRAINAGE PREVIOUSLY INSTALLED IN THIS STAGE. POUR PROPOSED P.C.C. CURB AND CONSTRUCT FULL DEPTH PAVEMENT WIDENING ON CLAPHAM ROAD AND FULL DEPTH PAVEMENT FOR BUFFALO ROAD INTERSECTION REALIGNMENT TO TOP OF TYPE B LIFT. MILL EXISTING ROADWAY ON PROPOSED CLAPHAM ROAD TO ELIMINATE DROP-OFF. PLACE TEMPORARY STRIPING AND POUR PROPOSED SIDEWALK.
6. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 213+48 TO 218+85 IN THE MEDIAN OF EXISTING SR1. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE.
7. AT SR1 STATION 319+05, FILL EXISTING PIPE CROSSING SR1 WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 9

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 313 TOTAL SHTS. 641

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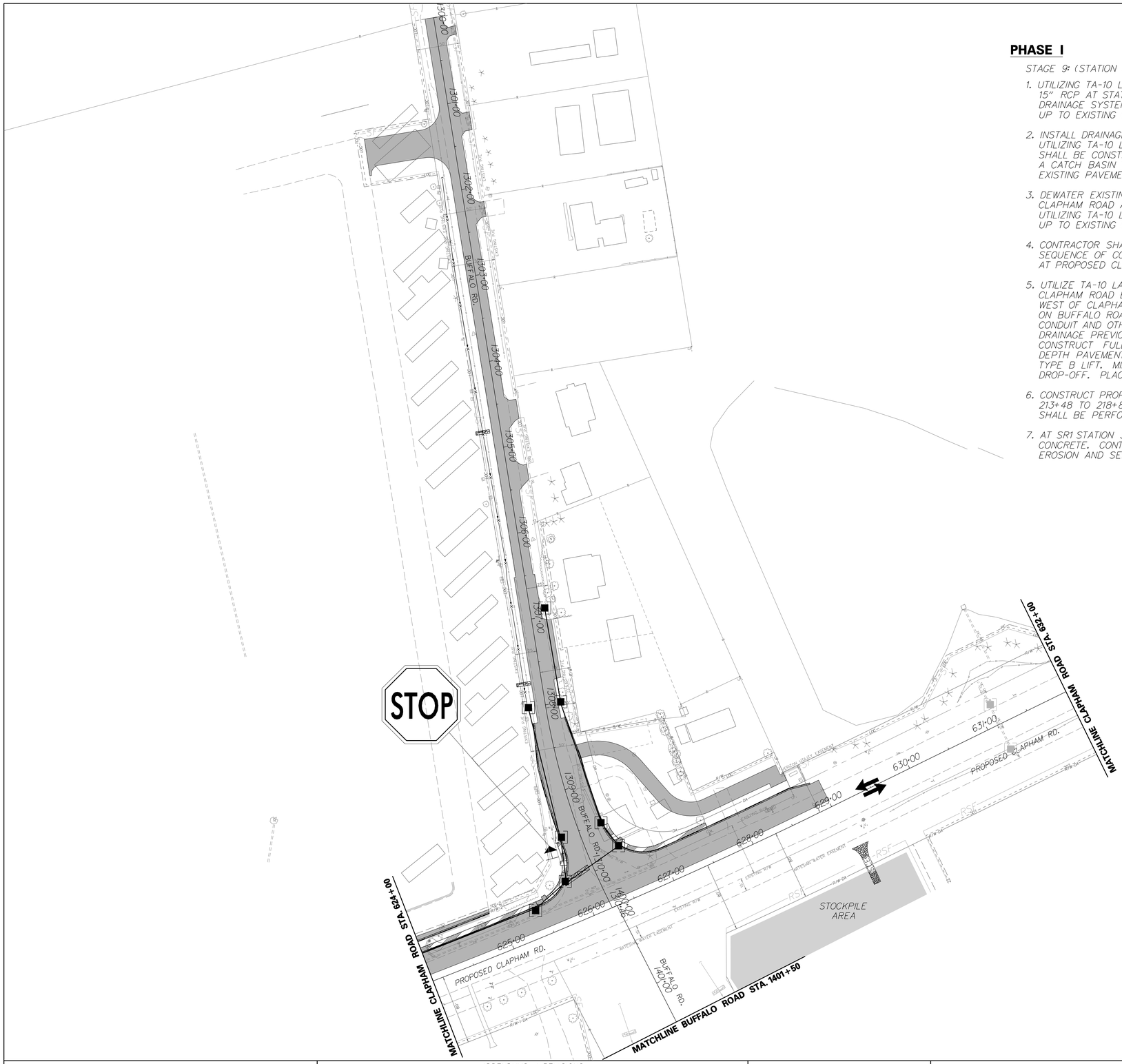

PHASE I

STAGE 9: (STATION 621+00 TO STATION 629+00 & STATION 213+48 TO STATION 218+85)

1. UTILIZING TA-10 LANE CLOSURE INSTALL TEMPORARY JUNCTION BOX AND 15" RCP AT STATION 622+20, AS SHOWN, IN ORDER TO MAINTAIN THE EXISTING DRAINAGE SYSTEM. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT.

2. INSTALL DRAINAGE PIPE CROSSING EXISTING CLAPHAM ROAD AT STATION 622+00 UTILIZING TA-10 LANE CLOSURE. PROPOSED INLET LOCATED ON THE CENTERLINE SHALL BE CONSTRUCTED AS A JUNCTION BOX AND LATER CONVERTED INTO A CATCH BASIN TO DRAIN AT PROPOSED GRADES. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE BY THE END OF THE WORK SHIFT.

3. DEWATER EXISTING PIPE AND INSTALL PROPOSED PIPE CROSSING EXISTING CLAPHAM ROAD AT STATION 621+80 AND TIE INTO EXISTING DRAINAGE SYSTEM UTILIZING TA-10 LANE CLOSURE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

4. CONTRACTOR SHALL SUBMIT FOR APPROVAL THE MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION FOR THE CONSTRUCTION OF THE INTERSECTION AT PROPOSED CLAPHAM ROAD AND BUFFALO ROAD AND THE HIGH POINT ENTRANCES.

5. UTILIZE TA-10 LANE CLOSURE TO INSTALL DRAINAGE ON WEST SIDE OF CLAPHAM ROAD BETWEEN STATION 621+00 TO 629+00 AND BUFFALO ROAD WEST OF CLAPHAM ROAD. CONSTRUCT NEW HIGH POINT ENTRANCE LOCATED ON BUFFALO ROAD. BEGIN INSTALLING PROPOSED TRAFFIC SIGNAL AND LIGHTING CONDUIT AND OTHER FEATURES. REMOVE EXISTING DRAINAGE AND TEMPORARY DRAINAGE PREVIOUSLY INSTALLED IN THIS STAGE. POUR PROPOSED P.C.C. CURB AND CONSTRUCT FULL DEPTH PAVEMENT WIDENING ON CLAPHAM ROAD AND FULL DEPTH PAVEMENT FOR BUFFALO ROAD INTERSECTION REALIGNMENT TO TOP OF TYPE B LIFT. MILL EXISTING ROADWAY ON PROPOSED CLAPHAM ROAD TO ELIMINATE DROP-OFF. PLACE TEMPORARY STRIPING AND POUR PROPOSED SIDEWALK.

6. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 213+48 TO 218+85 IN THE MEDIAN OF EXISTING SR1. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE.

7. AT SR1 STATION 319+05, FILL EXISTING PIPE CROSSING SR1 WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

PHASE I: STAGE 9

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 314 / TOTAL SHTS. 641

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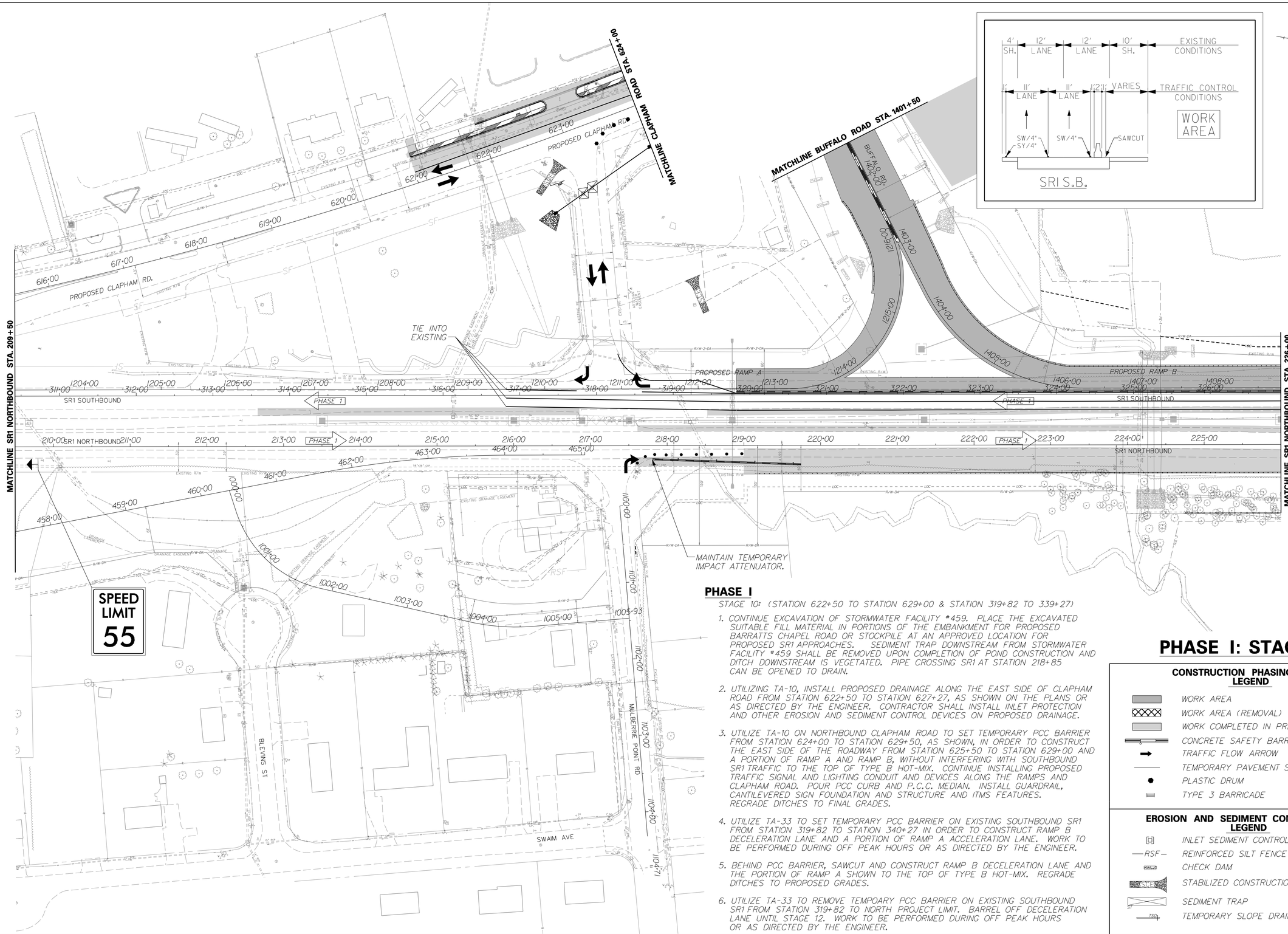

PHASE I

STAGE 10: (STATION 622+50 TO STATION 629+00 & STATION 319+82 TO 339+27)

1. CONTINUE EXCAVATION OF STORMWATER FACILITY #459. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. SEDIMENT TRAP DOWNSTREAM FROM STORMWATER FACILITY #459 SHALL BE REMOVED UPON COMPLETION OF POND CONSTRUCTION AND DITCH DOWNSTREAM IS VEGETATED. PIPE CROSSING SR1 AT STATION 218+85 CAN BE OPENED TO DRAIN.

2. UTILIZING TA-10, INSTALL PROPOSED DRAINAGE ALONG THE EAST SIDE OF CLAPHAM ROAD FROM STATION 622+50 TO STATION 627+27, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. UTILIZE TA-10 ON NORTHBOUND CLAPHAM ROAD TO SET TEMPORARY PCC BARRIER FROM STATION 624+00 TO STATION 629+50, AS SHOWN, IN ORDER TO CONSTRUCT THE EAST SIDE OF THE ROADWAY FROM STATION 625+50 TO STATION 629+00 AND A PORTION OF RAMP A AND RAMP B, WITHOUT INTERFERING WITH SOUTHBOUND SR1 TRAFFIC TO THE TOP OF TYPE B HOT-MIX. CONTINUE INSTALLING PROPOSED TRAFFIC SIGNAL AND LIGHTING CONDUIT AND DEVICES ALONG THE RAMPS AND CLAPHAM ROAD. POUR PCC CURB AND P.C.C. MEDIAN. INSTALL GUARDRAIL, CANTILEVERED SIGN FOUNDATION AND STRUCTURE AND ITMS FEATURES. REGRADE DITCHES TO FINAL GRADES.

4. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO STATION 340+27 IN ORDER TO CONSTRUCT RAMP B DECELERATION LANE AND A PORTION OF RAMP A ACCELERATION LANE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

5. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT RAMP B DECELERATION LANE AND THE PORTION OF RAMP A SHOWN TO THE TOP OF TYPE B HOT-MIX. REGRADE DITCHES TO PROPOSED GRADES.

6. UTILIZE TA-33 TO REMOVE TEMPOARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO NORTH PROJECT LIMIT. BARREL OFF DECELERATION LANE UNTIL STAGE 12. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

PHASE I: STAGE 10

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
315
TOTAL SHTS.
641

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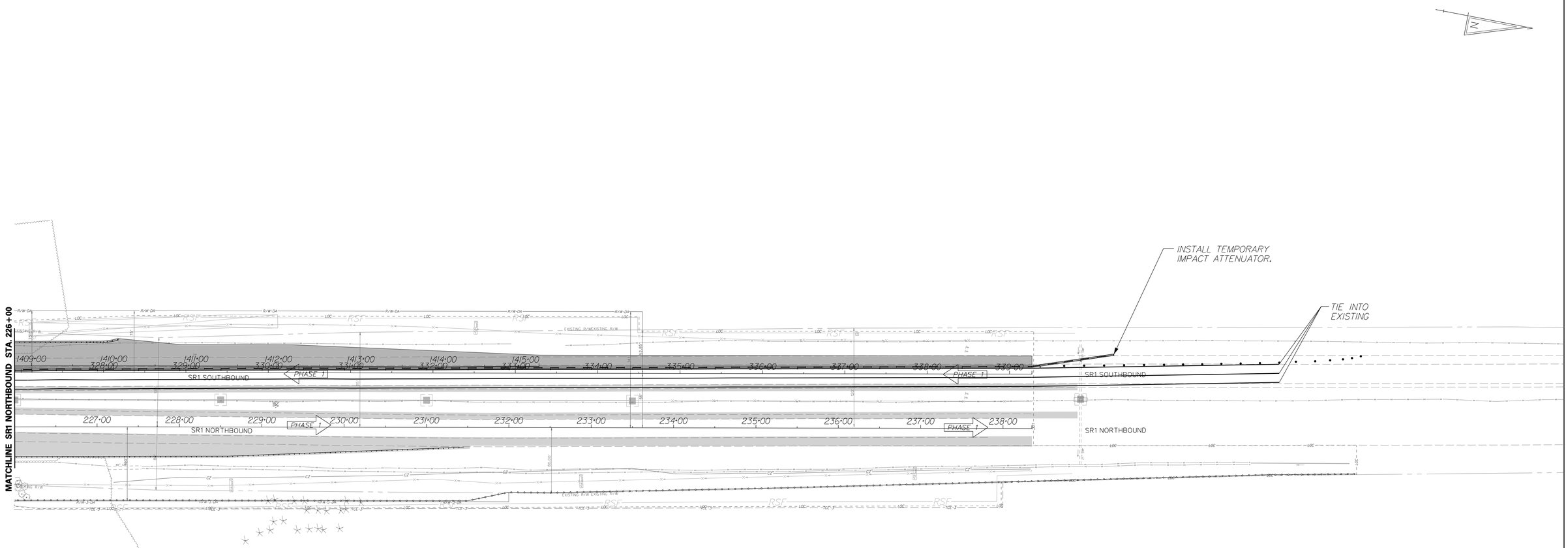


PHASE I

STAGE 10: (STATION 622+50 TO STATION 629+00 & STATION 319+82 TO 339+27)

1. CONTINUE EXCAVATION OF STORMWATER FACILITY #459. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. SEDIMENT TRAP DOWNSTREAM FROM STORMWATER FACILITY #459 SHALL BE REMOVED UPON COMPLETION OF POND CONSTRUCTION AND DITCH DOWNSTREAM IS VEGETATED. PIPE CROSSING SR1 AT STATION 218+85 CAN BE OPENED TO DRAIN.

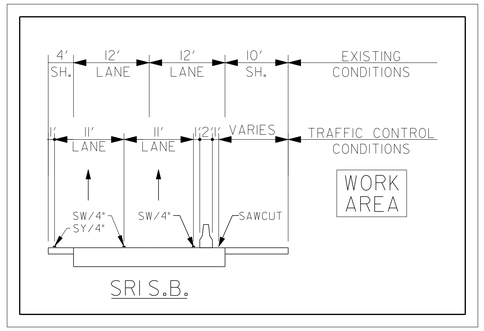
2. UTILIZING TA-10, INSTALL PROPOSED DRAINAGE ALONG THE EAST SIDE OF CLAPHAM ROAD FROM STATION 622+50 TO STATION 627+27, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. UTILIZE TA-10 ON NORTHBOUND CLAPHAM ROAD TO SET TEMPORARY PCC BARRIER FROM STATION 624+00 TO STATION 629+50, AS SHOWN, IN ORDER TO CONSTRUCT THE EAST SIDE OF THE ROADWAY FROM STATION 625+50 TO STATION 629+00 AND A PORTION OF RAMP A AND RAMP B, WITHOUT INTERFERING WITH SOUTHBOUND SR1 TRAFFIC TO THE TOP OF TYPE B HOT-MIX. CONTINUE INSTALLING PROPOSED TRAFFIC SIGNAL AND LIGHTING CONDUIT AND DEVICES ALONG THE RAMPS AND CLAPHAM ROAD. POUR PCC CURB AND P.C.C. MEDIAN. INSTALL GUARDRAIL, CANTILEVERED SIGN FOUNDATION AND STRUCTURE AND ITMS FEATURES. REGRADE DITCHES TO FINAL GRADES.

4. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO STATION 340+27 IN ORDER TO CONSTRUCT RAMP B DECELERATION LANE AND A PORTION OF RAMP A ACCELERATION LANE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

5. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT RAMP B DECELERATION LANE AND THE PORTION OF RAMP A SHOWN TO THE TOP OF TYPE B HOT-MIX. REGRADE DITCHES TO PROPOSED GRADES.

6. UTILIZE TA-33 TO REMOVE TEMPOARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO NORTH PROJECT LIMIT. BARREL OFF DECELERATION LANE UNTIL STAGE 12. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.



PHASE I: STAGE 10

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 316
TOTAL SHTS. 641

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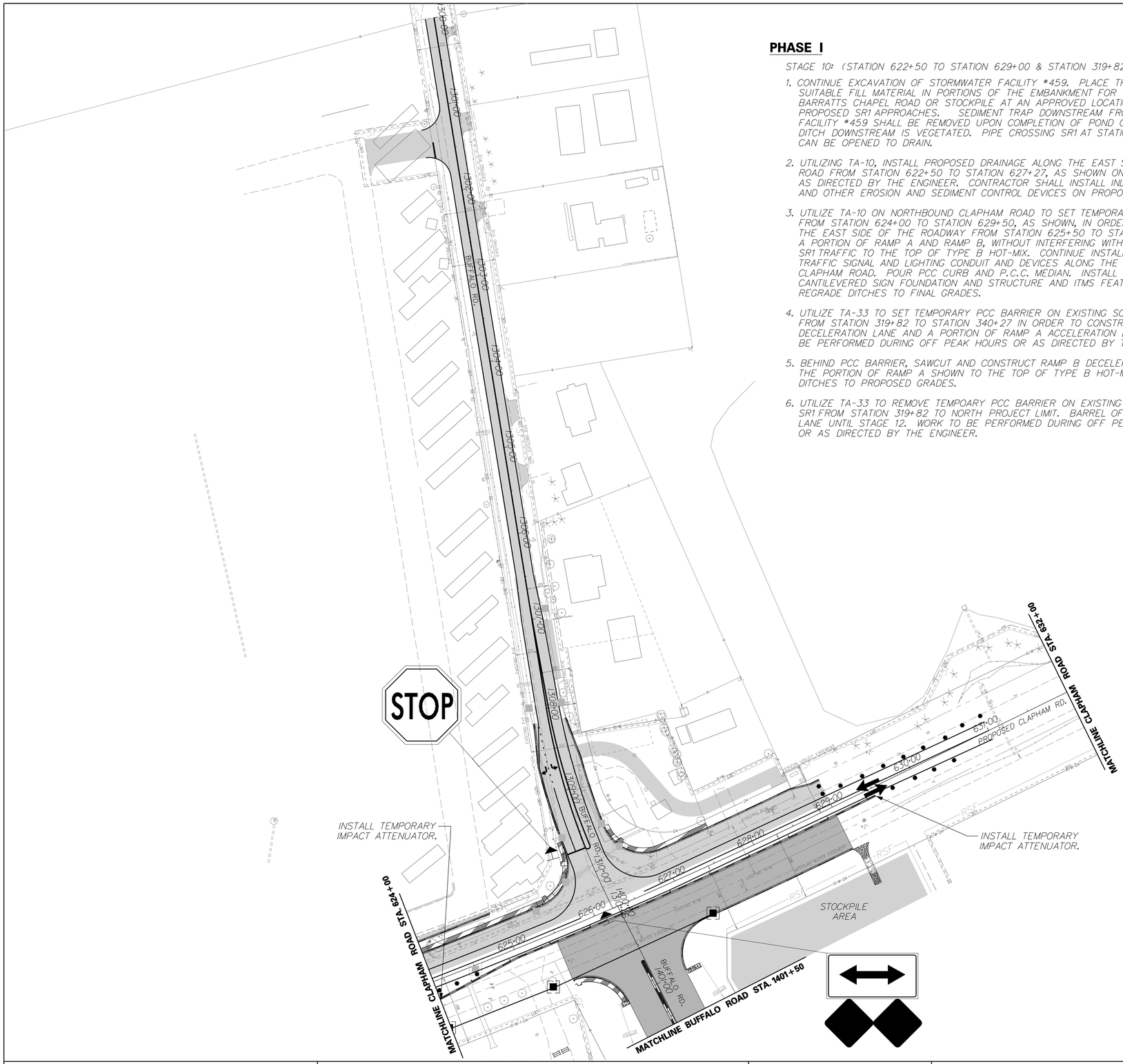

PHASE I

STAGE 10: (STATION 622+50 TO STATION 629+00 & STATION 319+82 TO 339+27)

1. CONTINUE EXCAVATION OF STORMWATER FACILITY #459. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. SEDIMENT TRAP DOWNSTREAM FROM STORMWATER FACILITY #459 SHALL BE REMOVED UPON COMPLETION OF POND CONSTRUCTION AND DITCH DOWNSTREAM IS VEGETATED. PIPE CROSSING SR1 AT STATION 218+85 CAN BE OPENED TO DRAIN.

2. UTILIZING TA-10, INSTALL PROPOSED DRAINAGE ALONG THE EAST SIDE OF CLAPHAM ROAD FROM STATION 622+50 TO STATION 627+27, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. UTILIZE TA-10 ON NORTHBOUND CLAPHAM ROAD TO SET TEMPORARY PCC BARRIER FROM STATION 624+00 TO STATION 629+50, AS SHOWN, IN ORDER TO CONSTRUCT THE EAST SIDE OF THE ROADWAY FROM STATION 625+50 TO STATION 629+00 AND A PORTION OF RAMP A AND RAMP B, WITHOUT INTERFERING WITH SOUTHBOUND SR1 TRAFFIC TO THE TOP OF TYPE B HOT-MIX. CONTINUE INSTALLING PROPOSED TRAFFIC SIGNAL AND LIGHTING CONDUIT AND DEVICES ALONG THE RAMPS AND CLAPHAM ROAD. POUR PCC CURB AND P.C.C. MEDIAN. INSTALL GUARDRAIL, CANTILEVERED SIGN FOUNDATION AND STRUCTURE AND ITMS FEATURES. REGRADE DITCHES TO FINAL GRADES.

4. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO STATION 340+27 IN ORDER TO CONSTRUCT RAMP B DECELERATION LANE AND A PORTION OF RAMP A ACCELERATION LANE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

5. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT RAMP B DECELERATION LANE AND THE PORTION OF RAMP A SHOWN TO THE TOP OF TYPE B HOT-MIX. REGRADE DITCHES TO PROPOSED GRADES.

6. UTILIZE TA-33 TO REMOVE TEMPOARY PCC BARRIER ON EXISTING SOUTHBOUND SR1 FROM STATION 319+82 TO NORTH PROJECT LIMIT. BARREL OFF DECELERATION LANE UNTIL STAGE 12. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

PHASE I: STAGE 10

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 317
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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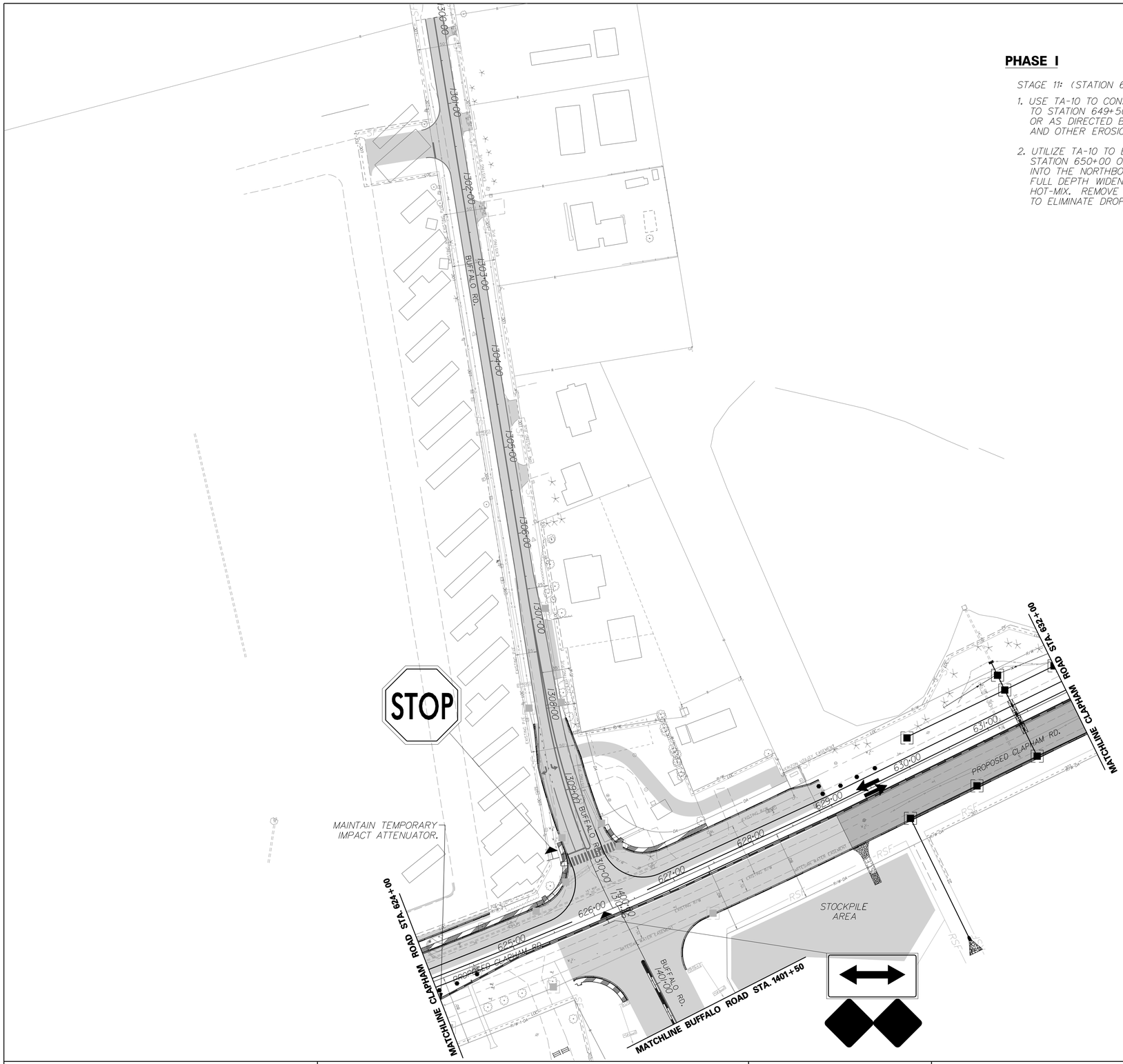

PHASE I

STAGE 11: (STATION 629+00 TO STATION 649+50)

1. USE TA-10 TO CONSTRUCT PROPOSED DRAINAGE DEVICES FROM STATION 629+00 TO STATION 649+50 ON BOTH SIDES OF CLAPHAM ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

2. UTILIZE TA-10 TO EXTEND TEMPORARY PCC BARRIER FROM STATION 629+50 TO STATION 650+00 ON NORTHBOUND CLAPHAM ROAD, AS SHOWN. SAWCUT ONE FOOT INTO THE NORTHBOUND TRAVEL LANE, EXCAVATE, POUR P.C.C. CURB, AND CONSTRUCT FULL DEPTH WIDENING BETWEEN STATION 629+00 TO 649+50, TO THE TOP OF TYPE B HOT-MIX. REMOVE TEMPORARY PCC BARRIER AND TAPER MILL EXISTING PAVEMENT TO ELIMINATE DROP-OFF.

PHASE I: STAGE 11

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
318
TOTAL SHTS.
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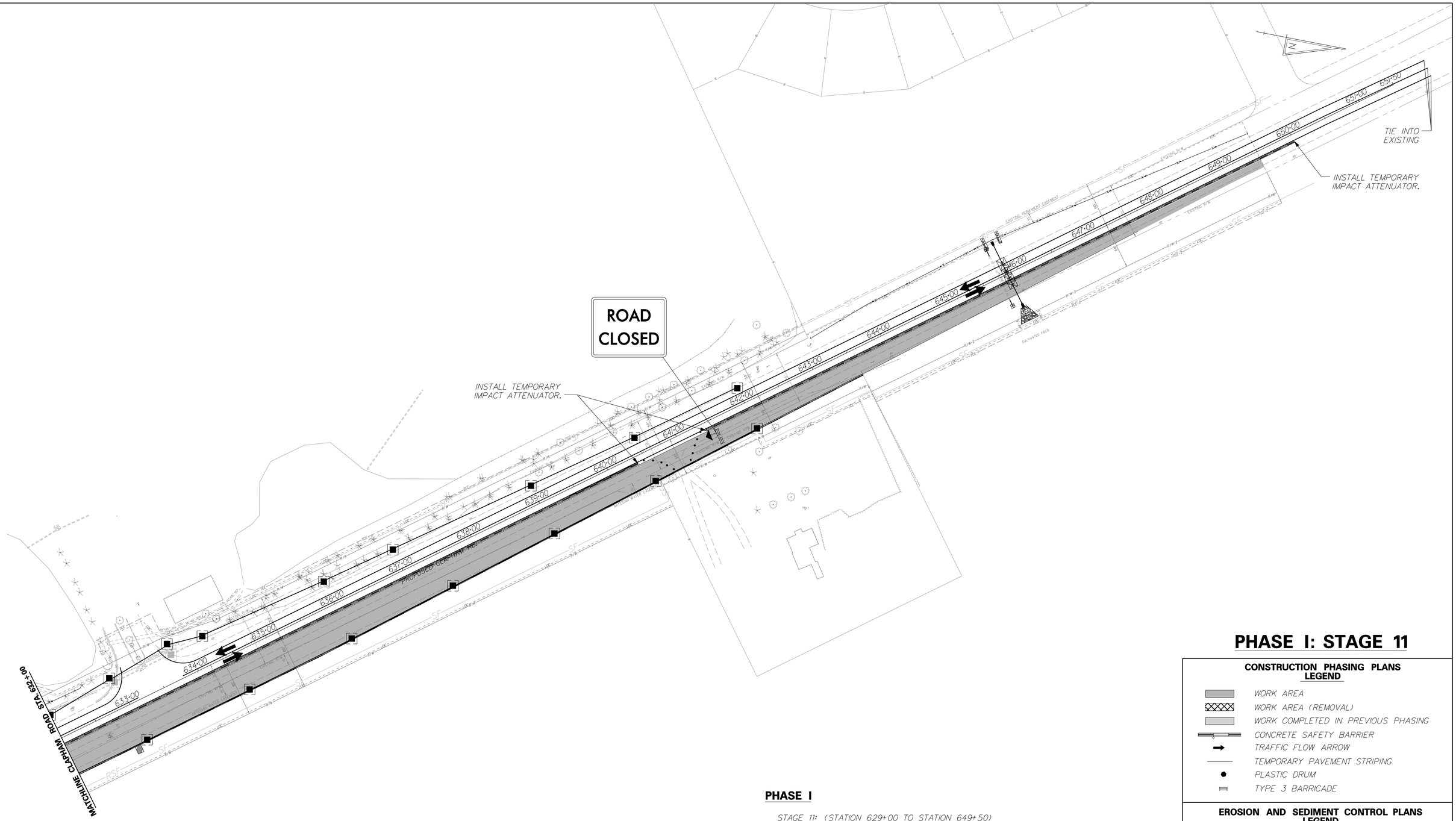

PHASE I: STAGE 11

PHASE I

STAGE 11: (STATION 629+00 TO STATION 649+50)

1. USE TA-10 TO CONSTRUCT PROPOSED DRAINAGE DEVICES FROM STATION 629+00 TO STATION 649+50 ON BOTH SIDES OF CLAPHAM ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

2. UTILIZE TA-10 TO EXTEND TEMPORARY PCC BARRIER FROM STATION 629+50 TO STATION 650+00 ON NORTHBOUND CLAPHAM ROAD, AS SHOWN. SAWCUT ONE FOOT INTO THE NORTHBOUND TRAVEL LANE, EXCAVATE, POUR P.C.C. CURB, AND CONSTRUCT FULL DEPTH WIDENING BETWEEN STATION 629+00 TO 649+50, TO THE TOP OF TYPE B HOT-MIX. REMOVE TEMPORARY PCC BARRIER AND TAPER MILL EXISTING PAVEMENT TO ELIMINATE DROP-OFF.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CD — CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 319
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WEC		

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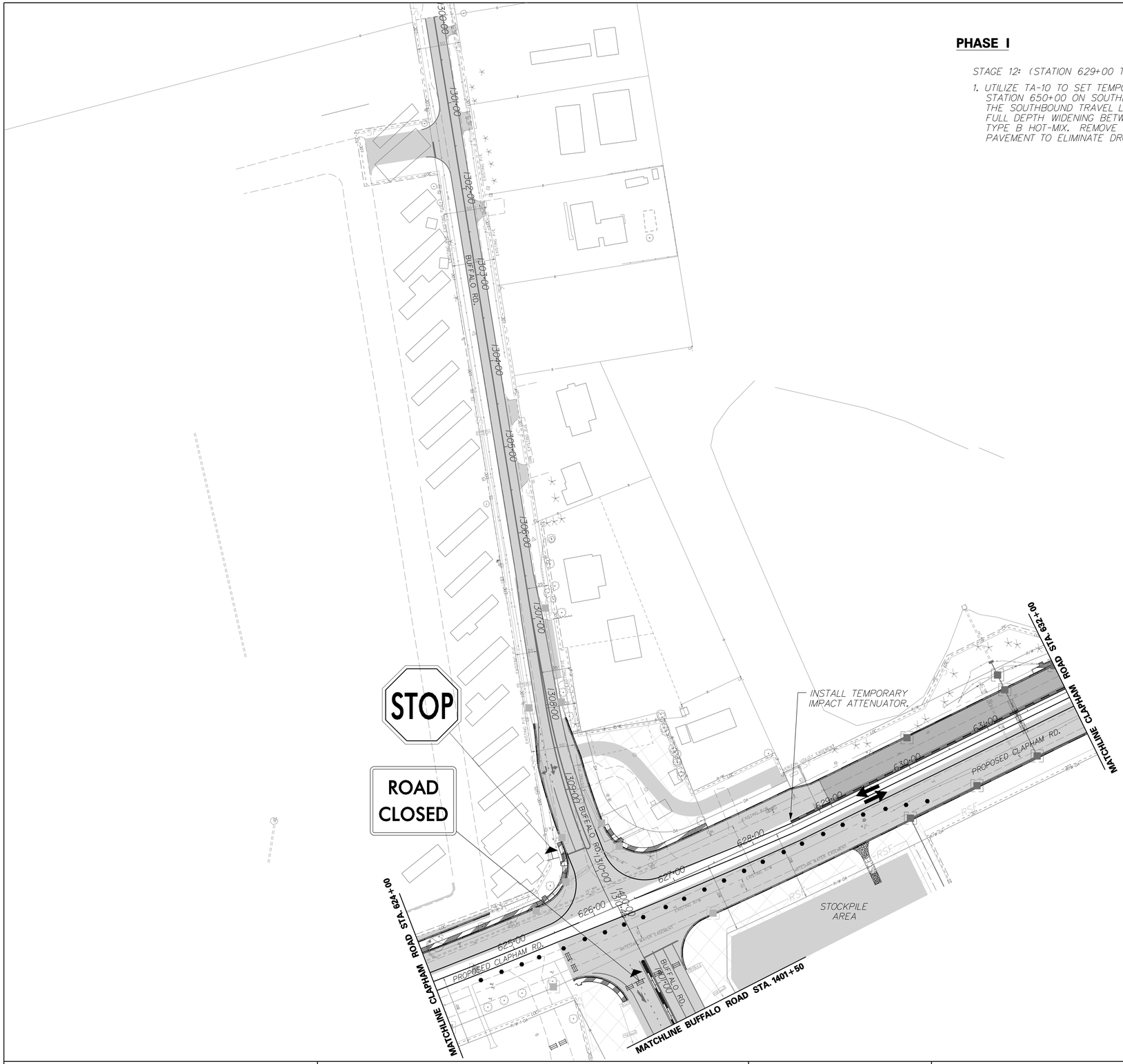
PHASE I

STAGE 12: (STATION 629+00 TO STATION 649+50)

1. UTILIZE TA-10 TO SET TEMPORARY PCC BARRIER FROM STATION 628+50 TO STATION 650+00 ON SOUTHBOUND CLAPHAM ROAD. SAWCUT ONE FOOT INTO THE SOUTHBOUND TRAVEL LANE, EXCAVATE, POUR P.C.C. CURB, AND CONSTRUCT FULL DEPTH WIDENING BETWEEN STATION 629+00 TO 649+50, TO THE TOP OF TYPE B HOT-MIX. REMOVE TEMPORARY PCC BARRIER AND TAPER MILL EXISTING PAVEMENT TO ELIMINATE DROP-OFF. REGRADE DITCHES TO FINAL GRADES.



PHASE I: STAGE 12

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 320 / TOTAL SHTS. 641

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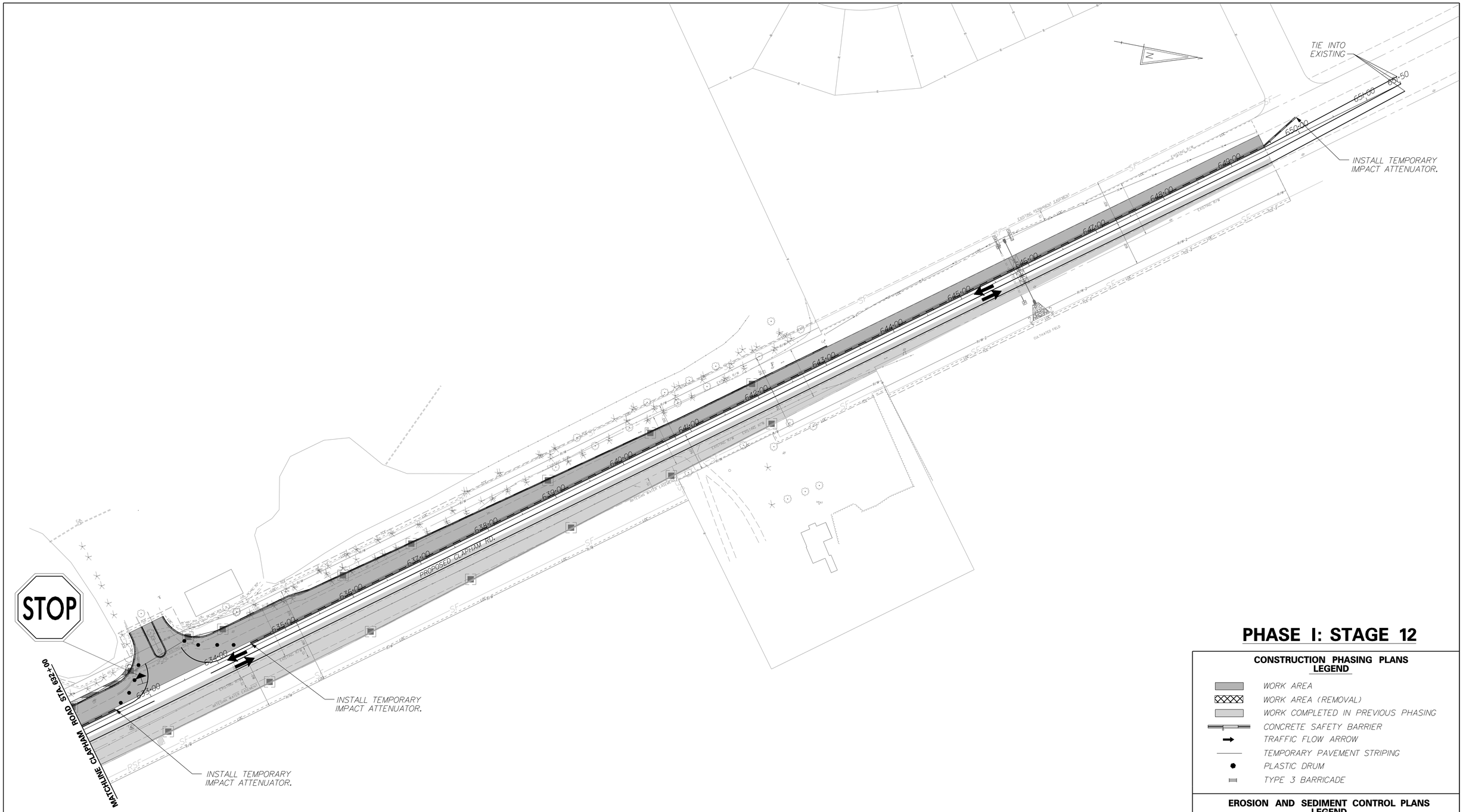

PHASE I: STAGE 12

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CDAM — CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

PHASE I

STAGE 12: (STATION 629+00 TO STATION 649+50)

1. UTILIZE TA-10 TO SET TEMPORARY PCC BARRIER FROM STATION 628+50 TO STATION 650+00 ON SOUTHBOUND CLAPHAM ROAD. SAWCUT ONE FOOT INTO THE SOUTHBOUND TRAVEL LANE, EXCAVATE, POUR P.C.C. CURB, AND CONSTRUCT FULL DEPTH WIDENING BETWEEN STATION 629+00 TO 649+50, TO THE TOP OF TYPE B HOT-MIX. REMOVE TEMPORARY PCC BARRIER AND TAPER MILL EXISTING PAVEMENT TO ELIMINATE DROP-OFF. REGRADE DITCHES TO FINAL GRADES.

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 321
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WEC		

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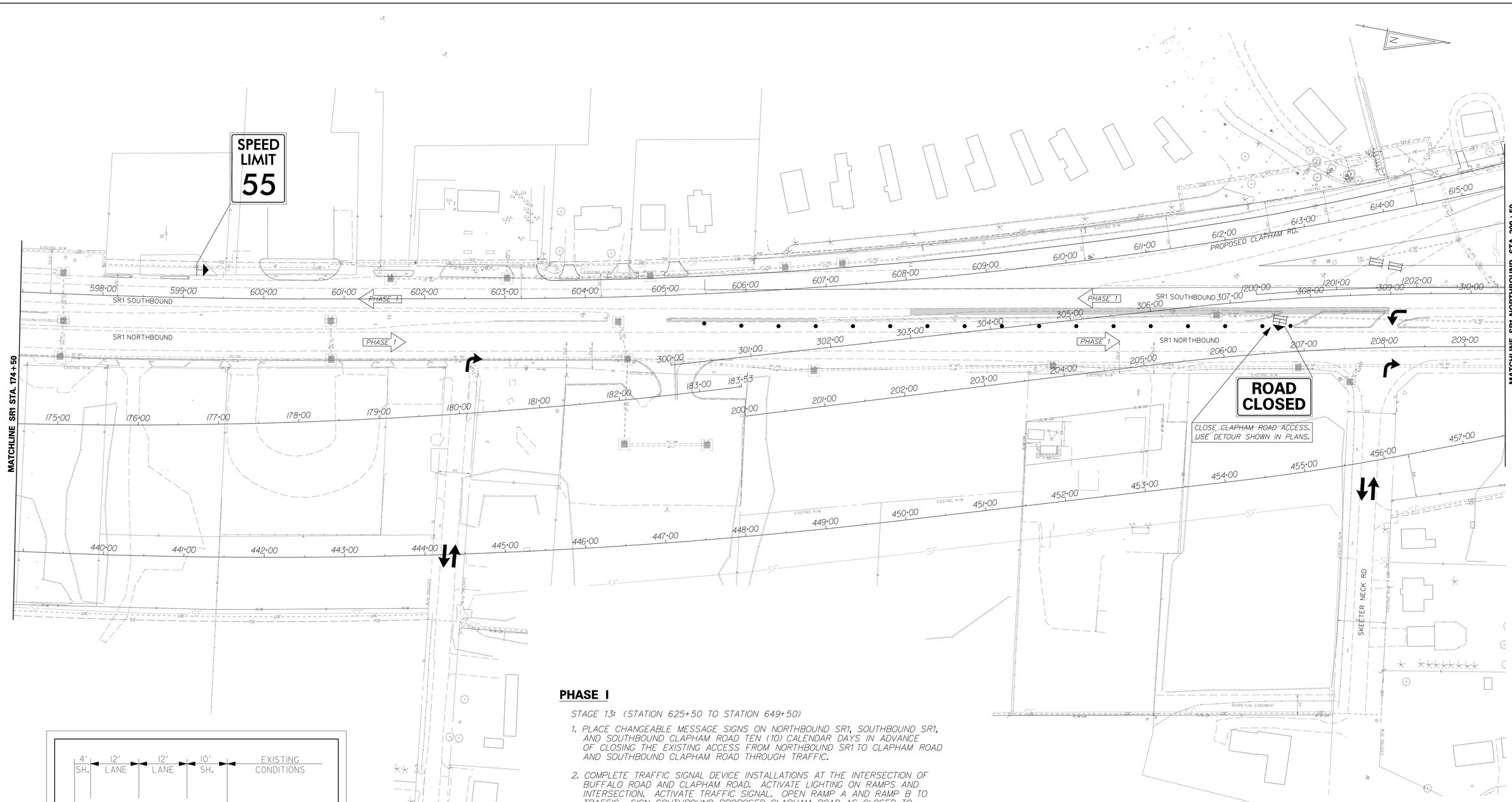

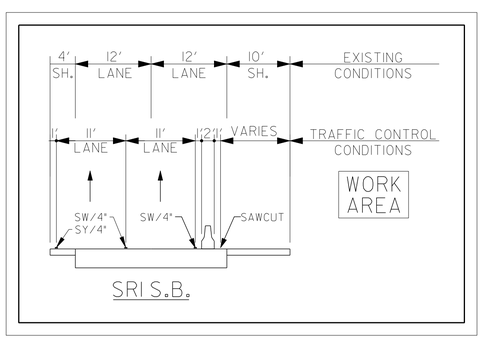

PHASE I

STAGE 13: (STATION 625+50 TO STATION 649+50)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND SOUTHBOUND CLAPHAM ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CLOSING THE EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD AND SOUTHBOUND CLAPHAM ROAD THROUGH TRAFFIC.

2. COMPLETE TRAFFIC SIGNAL DEVICE INSTALLATIONS AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. ACTIVATE LIGHTING ON RAMPS AND INTERSECTION. ACTIVATE TRAFFIC SIGNAL. OPEN RAMP A AND RAMP B TO TRAFFIC. SIGN SOUTHBOUND PROPOSED CLAPHAM ROAD AS CLOSED TO THROUGH TRAFFIC AS SHOWN ON DETOUR PLANS. USE DETOUR, SHOWN IN PLANS, TO CLOSE EXISTING CLAPHAM ROAD ACCESS TO SR1. AT SR1 AND CLAPHAM ROAD JUNCTION, COVER EXISTING SIGNAL HEADS AND LEAVE SIGNAL DEVICES IN-PLACE FOR LATER USE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

3. UTILIZE TA-10 LANE CLOSURE TO MILL EXISTING PAVEMENT AND OVERLAY PROPOSED CLAPHAM ROAD TO FINAL GRADE WITH TYPE C HOT-MIX FROM STATION 625+50 TO 649+50. PAVE BUFFALO ROAD, RAMP A AND RAMP B WITH TYPE C HOT-MIX TO FINAL GRADE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

4. LAYOUT AND PLACE PERMANENT PAVEMENT MARKING ON PROPOSED CLAPHAM ROAD, BUFFALO ROAD, RAMPS AND ALL CONNECTING STREETS FOR FINAL STRIPING SCHEME, WHERE APPLICABLE OR AS DIRECTED BY THE ENGINEER.

5. REMOVE ALL E&S CONTROL DEVICES AS DIRECTED BY ENGINEER IN THE FIELD.

PHASE I: STAGE 13

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
322
TOTAL SHTS.
641

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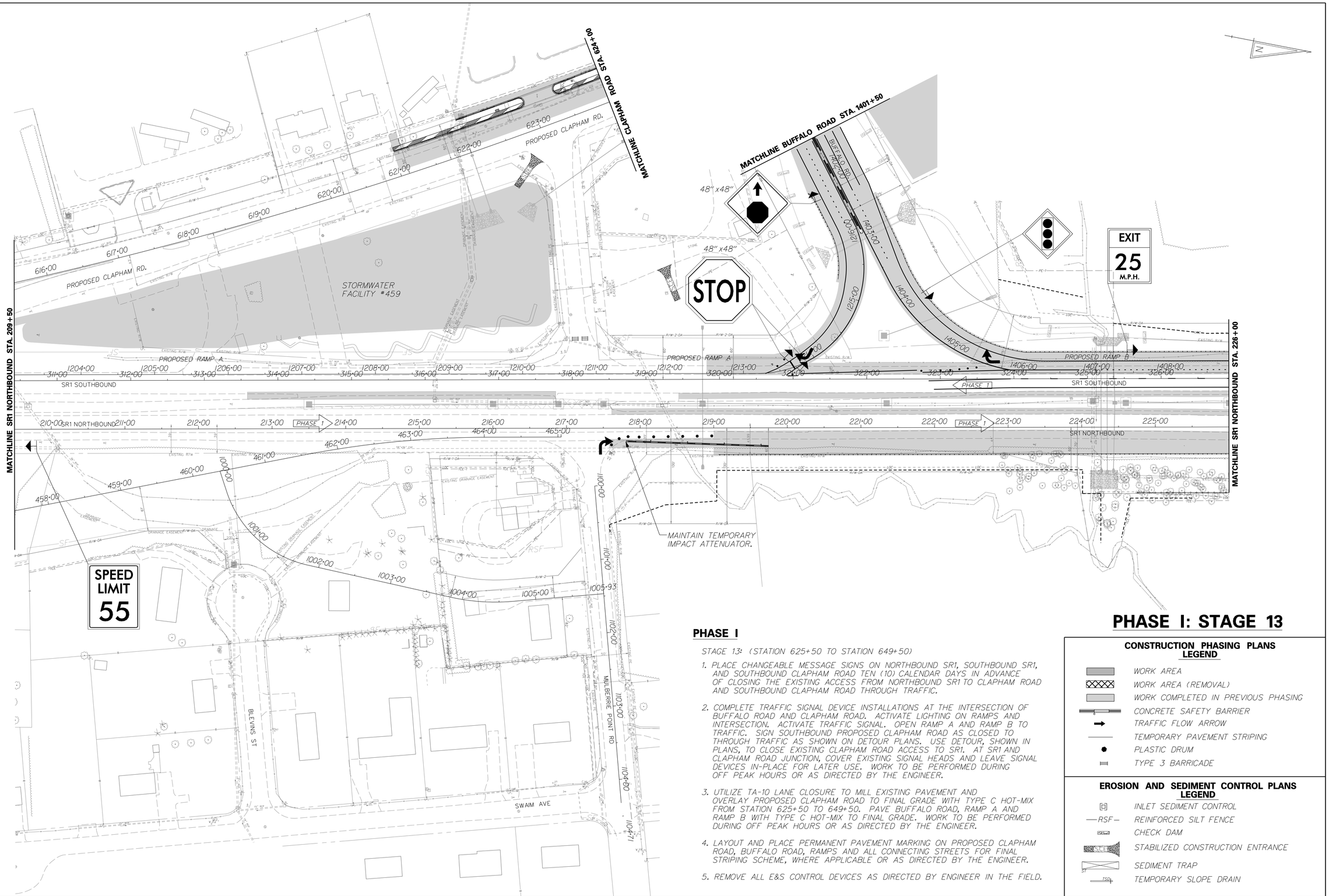

PHASE I: STAGE 13

PHASE I

STAGE 13: (STATION 625+50 TO STATION 649+50)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND SOUTHBOUND CLAPHAM ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CLOSING THE EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD AND SOUTHBOUND CLAPHAM ROAD THROUGH TRAFFIC.
2. COMPLETE TRAFFIC SIGNAL DEVICE INSTALLATIONS AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. ACTIVATE LIGHTING ON RAMPS AND INTERSECTION. ACTIVATE TRAFFIC SIGNAL. OPEN RAMP A AND RAMP B TO TRAFFIC. SIGN SOUTHBOUND PROPOSED CLAPHAM ROAD AS CLOSED TO THROUGH TRAFFIC AS SHOWN ON DETOUR PLANS. USE DETOUR, SHOWN IN PLANS, TO CLOSE EXISTING CLAPHAM ROAD ACCESS TO SR1. AT SR1 AND CLAPHAM ROAD JUNCTION, COVER EXISTING SIGNAL HEADS AND LEAVE SIGNAL DEVICES IN-PLACE FOR LATER USE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. UTILIZE TA-10 LANE CLOSURE TO MILL EXISTING PAVEMENT AND OVERLAY PROPOSED CLAPHAM ROAD TO FINAL GRADE WITH TYPE C HOT-MIX FROM STATION 625+50 TO 649+50. PAVE BUFFALO ROAD, RAMP A AND RAMP B WITH TYPE C HOT-MIX TO FINAL GRADE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
4. LAYOUT AND PLACE PERMANENT PAVEMENT MARKING ON PROPOSED CLAPHAM ROAD, BUFFALO ROAD, RAMPS AND ALL CONNECTING STREETS FOR FINAL STRIPING SCHEME, WHERE APPLICABLE OR AS DIRECTED BY THE ENGINEER.
5. REMOVE ALL E&S CONTROL DEVICES AS DIRECTED BY ENGINEER IN THE FIELD.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 323
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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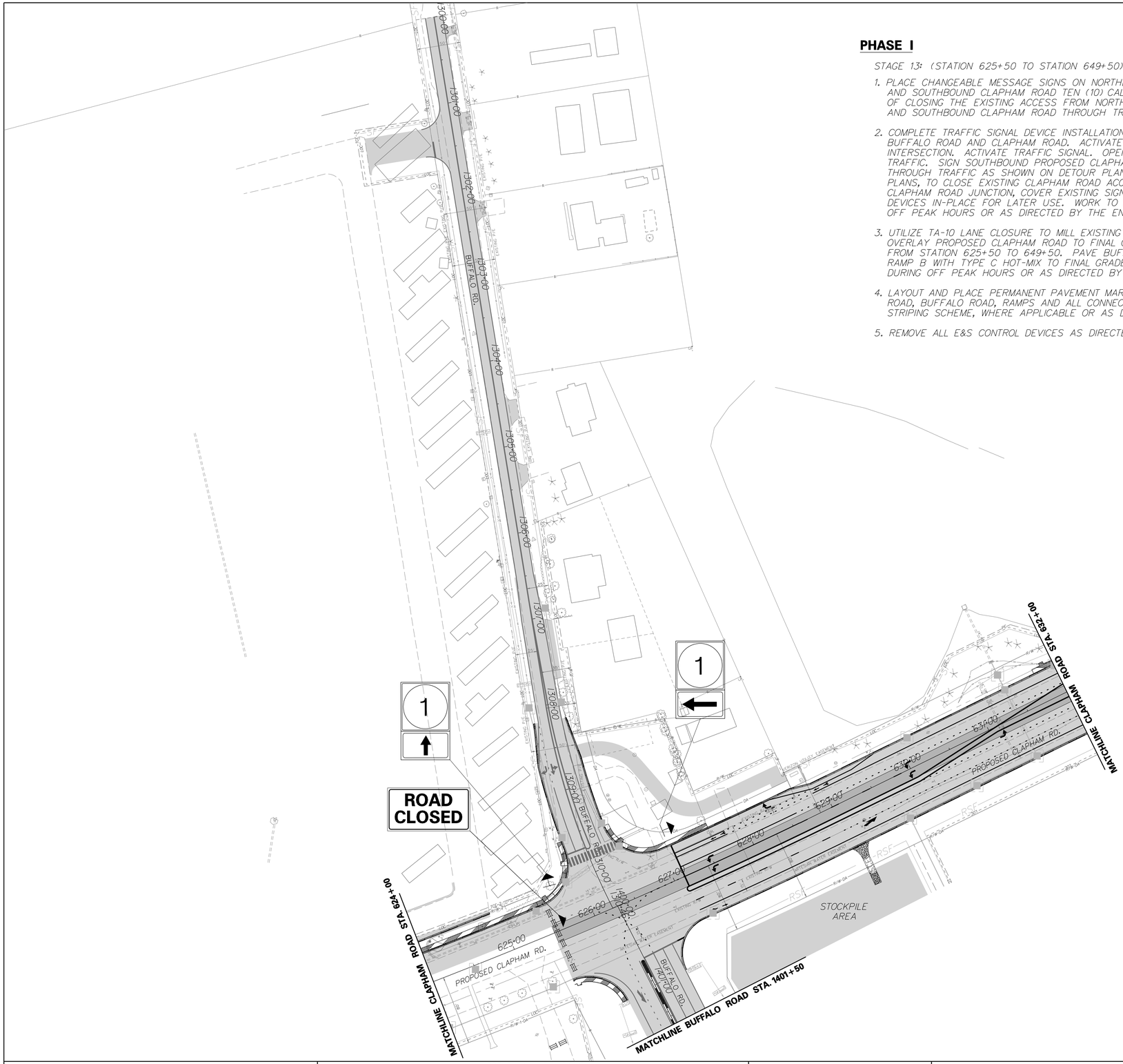

PHASE I

STAGE 13: (STATION 625+50 TO STATION 649+50)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND SOUTHBOUND CLAPHAM ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CLOSING THE EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD AND SOUTHBOUND CLAPHAM ROAD THROUGH TRAFFIC.
2. COMPLETE TRAFFIC SIGNAL DEVICE INSTALLATIONS AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. ACTIVATE LIGHTING ON RAMPS AND INTERSECTION. ACTIVATE TRAFFIC SIGNAL. OPEN RAMP A AND RAMP B TO TRAFFIC. SIGN SOUTHBOUND PROPOSED CLAPHAM ROAD AS CLOSED TO THROUGH TRAFFIC AS SHOWN ON DETOUR PLANS. USE DETOUR, SHOWN IN PLANS, TO CLOSE EXISTING CLAPHAM ROAD ACCESS TO SR1. AT SR1 AND CLAPHAM ROAD JUNCTION, COVER EXISTING SIGNAL HEADS AND LEAVE SIGNAL DEVICES IN-PLACE FOR LATER USE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. UTILIZE TA-10 LANE CLOSURE TO MILL EXISTING PAVEMENT AND OVERLAY PROPOSED CLAPHAM ROAD TO FINAL GRADE WITH TYPE C HOT-MIX FROM STATION 625+50 TO 649+50. PAVE BUFFALO ROAD, RAMP A AND RAMP B WITH TYPE C HOT-MIX TO FINAL GRADE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
4. LAYOUT AND PLACE PERMANENT PAVEMENT MARKING ON PROPOSED CLAPHAM ROAD, BUFFALO ROAD, RAMPS AND ALL CONNECTING STREETS FOR FINAL STRIPING SCHEME, WHERE APPLICABLE OR AS DIRECTED BY THE ENGINEER.
5. REMOVE ALL E&S CONTROL DEVICES AS DIRECTED BY ENGINEER IN THE FIELD.

PHASE I: STAGE 13

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 324
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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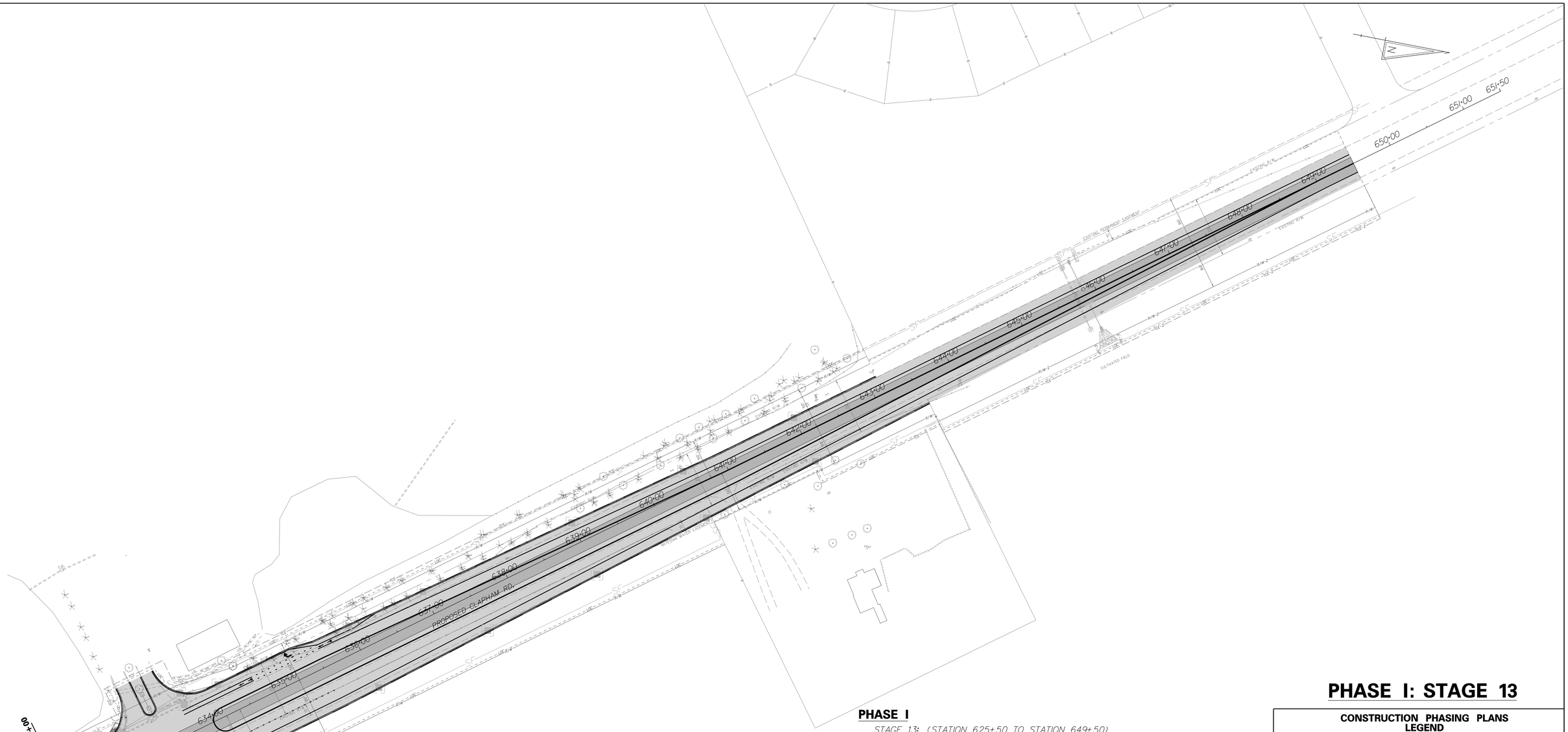

PHASE I

STAGE 13: (STATION 625+50 TO STATION 649+50)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND SOUTHBOUND CLAPHAM ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CLOSING THE EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD AND SOUTHBOUND CLAPHAM ROAD THROUGH TRAFFIC.

2. COMPLETE TRAFFIC SIGNAL DEVICE INSTALLATIONS AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. ACTIVATE LIGHTING ON RAMPS AND INTERSECTION. ACTIVATE TRAFFIC SIGNAL. OPEN RAMP A AND RAMP B TO TRAFFIC. SIGN SOUTHBOUND PROPOSED CLAPHAM ROAD AS CLOSED TO THROUGH TRAFFIC AS SHOWN ON DETOUR PLANS. USE DETOUR, SHOWN IN PLANS, TO CLOSE EXISTING CLAPHAM ROAD ACCESS TO SR1. AT SR1 AND CLAPHAM ROAD JUNCTION, COVER EXISTING SIGNAL HEADS AND LEAVE SIGNAL DEVICES IN-PLACE FOR LATER USE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

3. UTILIZE TA-10 LANE CLOSURE TO MILL EXISTING PAVEMENT AND OVERLAY PROPOSED CLAPHAM ROAD TO FINAL GRADE WITH TYPE C HOT-MIX FROM STATION 625+50 TO 649+50. PAVE BUFFALO ROAD, RAMP A AND RAMP B WITH TYPE C HOT-MIX TO FINAL GRADE. WORK TO BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

4. LAYOUT AND PLACE PERMANENT PAVEMENT MARKING ON PROPOSED CLAPHAM ROAD, BUFFALO ROAD, RAMPS AND ALL CONNECTING STREETS FOR FINAL STRIPING SCHEME, WHERE APPLICABLE OR AS DIRECTED BY THE ENGINEER.

5. REMOVE ALL E&S CONTROL DEVICES AS DIRECTED BY ENGINEER IN THE FIELD.

PHASE I: STAGE 13

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CD — CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY: SFP	
COUNTY		
KENT	CHECKED BY: WEC	

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
325
TOTAL SHTS.
641

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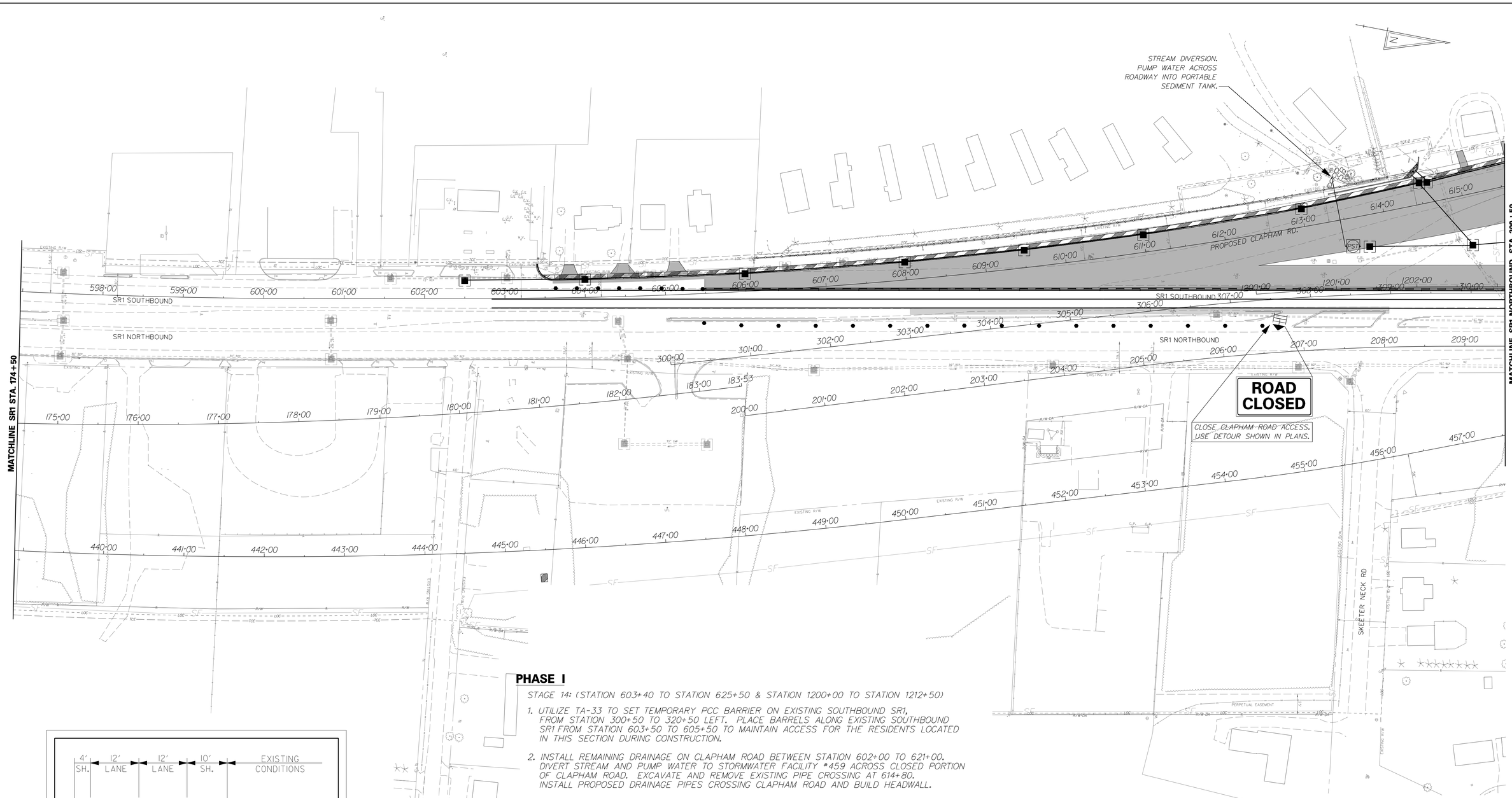


PHASE I

STAGE 14: (STATION 603+40 TO STATION 625+50 & STATION 1200+00 TO STATION 1212+50)

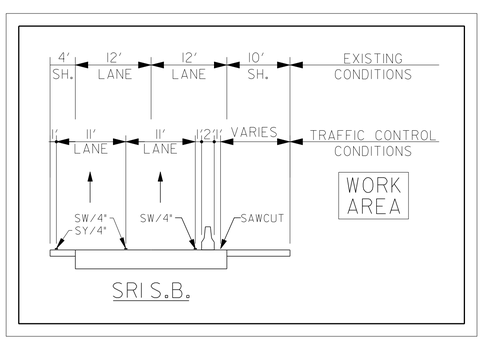
1. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1, FROM STATION 300+50 TO 320+50 LEFT. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 603+50 TO 605+50 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION.

2. INSTALL REMAINING DRAINAGE ON CLAPHAM ROAD BETWEEN STATION 602+00 TO 621+00. DIVERT STREAM AND PUMP WATER TO STORMWATER FACILITY #459 ACROSS CLOSED PORTION OF CLAPHAM ROAD. EXCAVATE AND REMOVE EXISTING PIPE CROSSING AT 614+80. INSTALL PROPOSED DRAINAGE PIPES CROSSING CLAPHAM ROAD AND BUILD HEADWALL.

3. CONSTRUCT PROPOSED FULL DEPTH PAVEMENT TO THE TOP OF THE TYPE B LIFT BETWEEN STATION 605+50 TO 625+50. CONSTRUCT P.C.C. CURB, CONCRETE MEDIAN AT INTERSECTION, POUR PROPOSED SIDEWALK, BUILD RETAINING WALLS, INSTALL FENCE, INSTALL LIGHTING FACILITIES AND PLACE TEMPORARY STRIPING.

4. COMPLETE CONSTRUCTION OF FACILITY #459. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT REMAINING PORTION OF RAMP A. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. TEMPORARY PAVEMENT SHALL BE CONSTRUCTED BETWEEN STATION 307+00 TO 312+00, AS SHOWN, TO TIE INTO THE EXISTING CLAPHAM ROAD CONNECTION FOR FUTURE LANE SHIFTS AND TO MAINTAIN ACCESS FROM NORTHBOUND SR1 UNTIL PHASE IV. PROPOSED ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

5. PLACE TEMPORARY PAVEMENT MARKINGS ON RAMP A. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE, AS DIRECTED IN THE FIELD BY THE ENGINEER. REMOVE TEMPORARY DRAINAGE PIPE. REMOVE TEMPORARY BARRIER UNDER TA-33 LANE CLOSURE AND OPEN ACCELERATION LANE.



PHASE I: STAGE 14

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 326

TOTAL SHTS. 641

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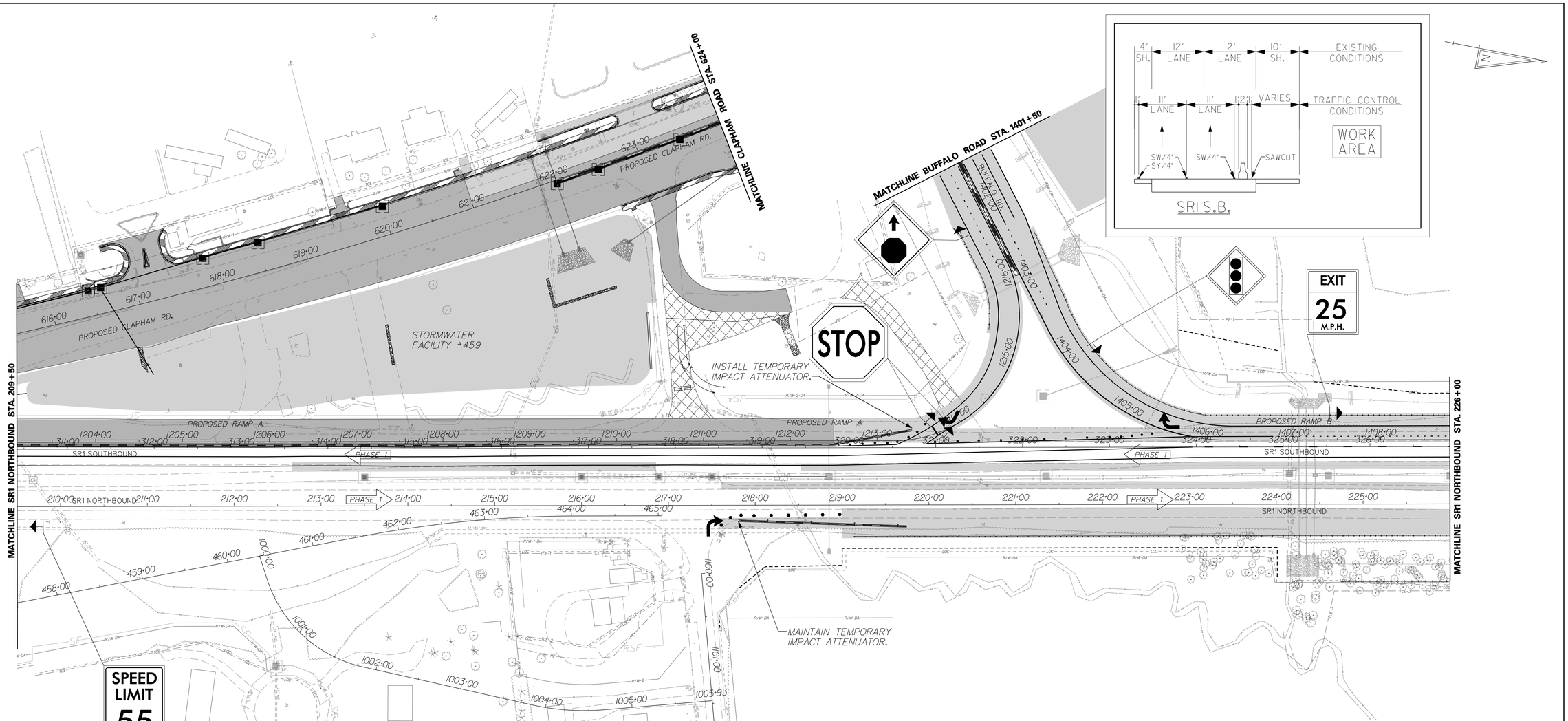

PHASE I

STAGE 14: (STATION 603+40 TO STATION 625+50 & STATION 1200+00 TO STATION 1212+50)

1. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1, FROM STATION 300+50 TO 320+50 LEFT. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 603+50 TO 605+50 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION.
2. INSTALL REMAINING DRAINAGE ON CLAPHAM ROAD BETWEEN STATION 602+00 TO 621+00. DIVERT STREAM AND PUMP WATER TO STORMWATER FACILITY #459 ACROSS CLOSED PORTION OF CLAPHAM ROAD. EXCAVATE AND REMOVE EXISTING PIPE CROSSING AT 614+80. INSTALL PROPOSED DRAINAGE PIPES CROSSING CLAPHAM ROAD AND BUILD HEADWALL.
3. CONSTRUCT PROPOSED FULL DEPTH PAVEMENT TO THE TOP OF THE TYPE B LIFT BETWEEN STATION 605+50 TO 625+50. CONSTRUCT P.C.C. CURB, CONCRETE MEDIAN AT INTERSECTION, POUR PROPOSED SIDEWALK, BUILD RETAINING WALLS, INSTALL FENCE, INSTALL LIGHTING FACILITIES AND PLACE TEMPORARY STRIPING.
4. COMPLETE CONSTRUCTION OF FACILITY #459. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT REMAINING PORTION OF RAMP A. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. TEMPORARY PAVEMENT SHALL BE CONSTRUCTED BETWEEN STATION 307+00 TO 312+00, AS SHOWN, TO TIE INTO THE EXISTING CLAPHAM ROAD CONNECTION FOR FUTURE LANE SHIFTS AND TO MAINTAIN ACCESS FROM NORTHBOUND SR1 UNTIL PHASE IV. PROPOSED ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.
5. PLACE TEMPORARY PAVEMENT MARKINGS ON RAMP A. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE, AS DIRECTED IN THE FIELD BY THE ENGINEER. REMOVE TEMPORARY DRAINAGE PIPE. REMOVE TEMPORARY BARRIER UNDER TA-33 LANE CLOSURE AND OPEN ACCELERATION LANE.

PHASE I: STAGE 14

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 327 / TOTAL SHTS. 641

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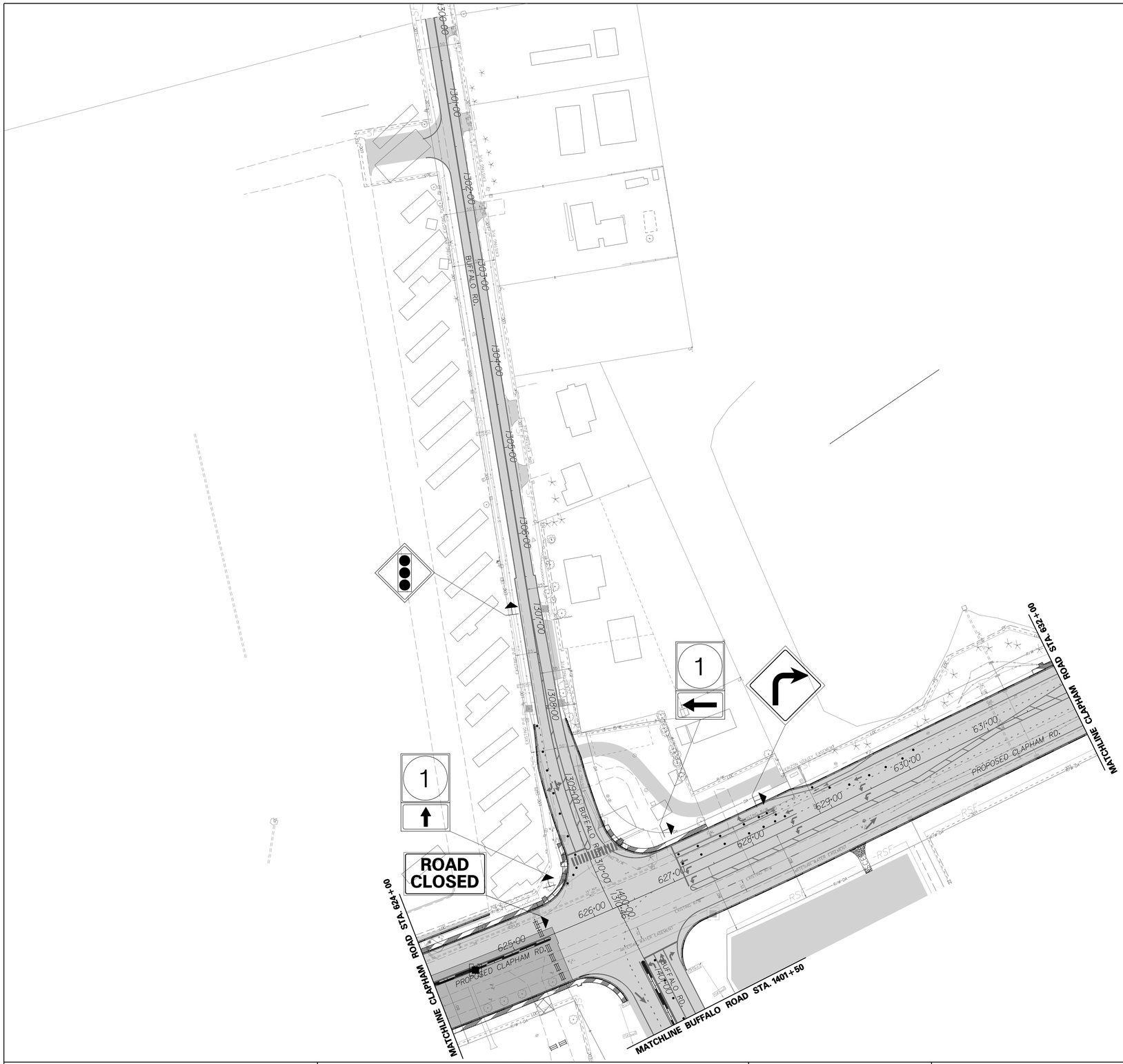

PHASE I

STAGE 14: (STATION 603+40 TO STATION 625+50 & STATION 1200+00 TO STATION 1212+50)

1. UTILIZE TA-33 TO SET TEMPORARY PCC BARRIER ON EXISTING SOUTHBOUND SR1, FROM STATION 300+50 TO 320+50 LEFT. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 603+50 TO 605+50 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION.
2. INSTALL REMAINING DRAINAGE ON CLAPHAM ROAD BETWEEN STATION 602+00 TO 621+00. DIVERT STREAM AND PUMP WATER TO STORMWATER FACILITY #459 ACROSS CLOSED PORTION OF CLAPHAM ROAD. EXCAVATE AND REMOVE EXISTING PIPE CROSSING AT 614+80. INSTALL PROPOSED DRAINAGE PIPES CROSSING CLAPHAM ROAD AND BUILD HEADWALL.
3. CONSTRUCT PROPOSED FULL DEPTH PAVEMENT TO THE TOP OF THE TYPE B LIFT BETWEEN STATION 605+50 TO 625+50. CONSTRUCT P.C.C. CURB, CONCRETE MEDIAN AT INTERSECTION, POUR PROPOSED SIDEWALK, BUILD RETAINING WALLS, INSTALL FENCE, INSTALL LIGHTING FACILITIES AND PLACE TEMPORARY STRIPING.
4. COMPLETE CONSTRUCTION OF FACILITY #459. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT REMAINING PORTION OF RAMP A. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. TEMPORARY PAVEMENT SHALL BE CONSTRUCTED BETWEEN STATION 307+00 TO 312+00, AS SHOWN, TO TIE INTO THE EXISTING CLAPHAM ROAD CONNECTION FOR FUTURE LANE SHIFTS AND TO MAINTAIN ACCESS FROM NORTHBOUND SR1 UNTIL PHASE IV. PROPOSED ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.
5. PLACE TEMPORARY PAVEMENT MARKINGS ON RAMP A. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE, AS DIRECTED IN THE FIELD BY THE ENGINEER. REMOVE TEMPORARY DRAINAGE PIPE. REMOVE TEMPORARY BARRIER UNDER TA-33 LANE CLOSURE AND OPEN ACCELERATION LANE.

PHASE I: STAGE 14

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 328
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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STAGE 15: (STATION 206+00 TO STATION 219+00)

1. ADJUST SIGNAL HEADS AND ACTIVATE FINAL TRAFFIC SIGNAL CONFIGURATION AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. RE-ACTIVATE EXISTING SIGNAL AND OPEN EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD.

2. CONSTRUCT PROPOSED PIPE CROSSING EXISTING SR1 SOUTHBOUND AND NORTHBOUND AT STATION 310+00 AND BETWEEN STATION 310+00 TO 314+00 IN THE MEDIAN. TIE-IN TO THE EXISTING DRAINAGE IN THE MEDIAN AND THE EAST SIDE OF EXISTING SR1. FILL EXISTING PIPE AT STATION 209+70 WITH FLOWABLE FILL. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33 LANE CLOSURE, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

3. CONSTRUCT PROPOSED DRAINAGE ALONG MULLBERRIE POINT CONNECTOR ROAD AND LITTLE HEAVEN ROAD. DRAINAGE SHALL BE CONSTRUCTED FROM NORTHBOUND SR1 STATION 219+00 RT. TO LITTLE HEAVEN ROAD STATION 454+50. PATCH MULBERRIE POINT ROAD EXISTING PAVEMENT BY THE END OF THE WORK SHIFT.

4. UTILIZING TA-33 AND, WHEN APPLICABLE, USE THE DETOUR ROUTE SHOWN IN THE PLANS (MULBERRIE POINT ROAD ACCESS TO SR1) TO REMOVE EXISTING 58"x36" PIPE FROM STATION 214+00 TO 218+50 RT. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

5. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. SEDIMENT TRAP SHALL BE INSTALLED AND DITCH MUST BE STABILIZED PRIOR TO ANY EXCAVATION OF STORMWATER FACILITY #458.

6. PERMANENT SHEET PILES SHALL BE CUT OFF 2 FEET BELOW PROPOSED GRADE, AS INDICATED IN THE CONSTRUCTION DETAILS.

PHASE I: STAGE 15

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 329
TOTAL SHTS. 641

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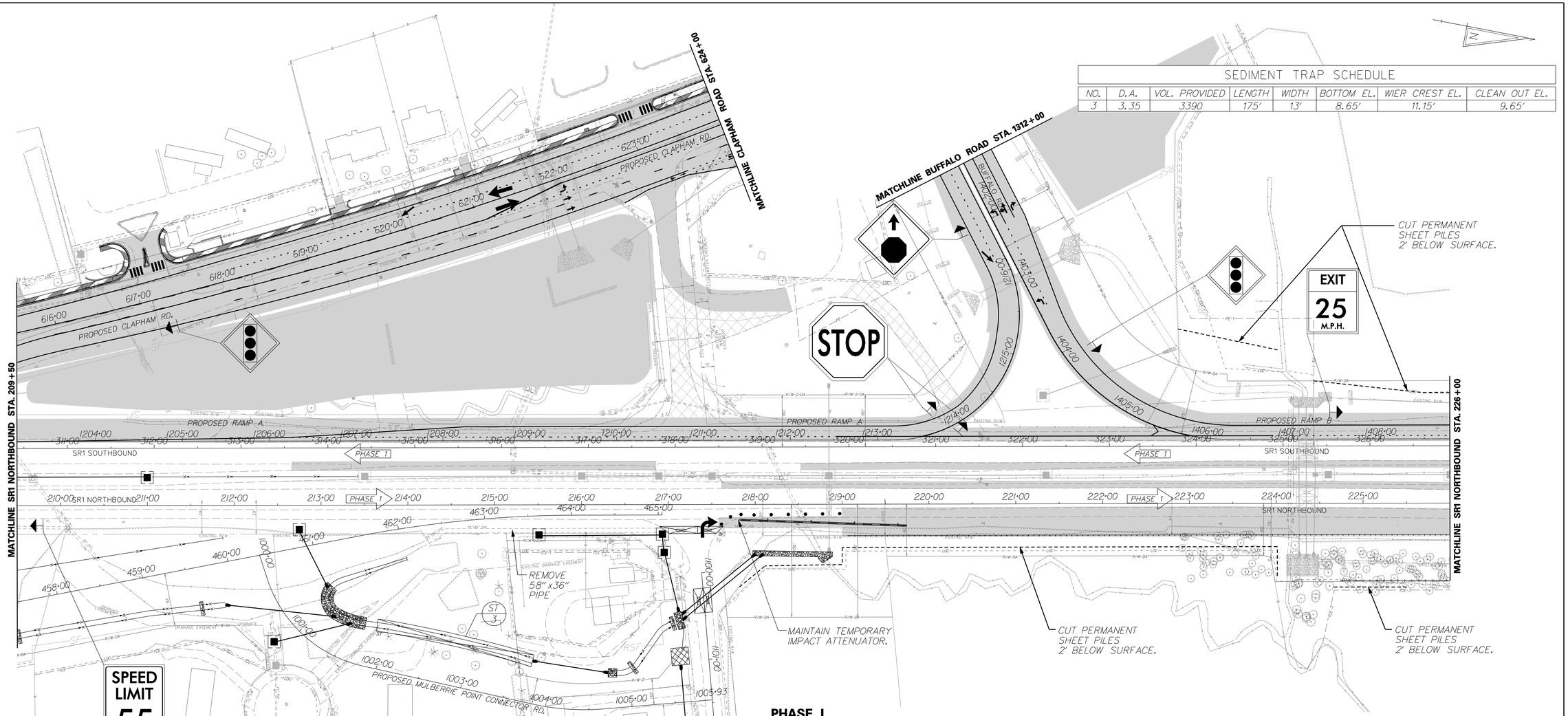

SEDIMENT TRAP SCHEDULE

NO.	D.A.	VOL. PROVIDED	LENGTH	WIDTH	BOTTOM EL.	WIER CREST EL.	CLEAN OUT EL.
3	3.35	3390	175'	13'	8.65'	11.15'	9.65'

PHASE I

STAGE 15: (STATION 206+00 TO STATION 219+00)

1. ADJUST SIGNAL HEADS AND ACTIVATE FINAL TRAFFIC SIGNAL CONFIGURATION AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. RE-ACTIVATE EXISTING SIGNAL AND OPEN EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD.
2. CONSTRUCT PROPOSED PIPE CROSSING EXISTING SR1 SOUTHBOUND AND NORTHBOUND AT STATION 310+00 AND BETWEEN STATION 310+00 TO 314+00 IN THE MEDIAN. TIE-IN TO THE EXISTING DRAINAGE IN THE MEDIAN AND THE EAST SIDE OF EXISTING SR1. FILL EXISTING PIPE AT STATION 209+70 WITH FLOWABLE FILL. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33 LANE CLOSURE, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.
3. CONSTRUCT PROPOSED DRAINAGE ALONG MULLBERRIE POINT CONNECTOR ROAD AND LITTLE HEAVEN ROAD. DRAINAGE SHALL BE CONSTRUCTED FROM NORTHBOUND SR1 STATION 219+00 RT. TO LITTLE HEAVEN ROAD STATION 454+50. PATCH MULBERRIE POINT ROAD EXISTING PAVEMENT BY THE END OF THE WORK SHIFT.
4. UTILIZING TA-33 AND, WHEN APPLICABLE, USE THE DETOUR ROUTE SHOWN IN THE PLANS (MULBERRIE POINT ROAD ACCESS TO SR1) TO REMOVE EXISTING 58"x36" PIPE FROM STATION 214+00 TO 218+50 RT. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.
5. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. SEDIMENT TRAP SHALL BE INSTALLED AND DITCH MUST BE STABILIZED PRIOR TO ANY EXCAVATION OF STORMWATER FACILITY #458.
6. PERMANENT SHEET PILES SHALL BE CUT OFF 2 FEET BELOW PROPOSED GRADE, AS INDICATED IN THE CONSTRUCTION DETAILS.

PHASE I: STAGE 15

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 330 / TOTAL SHTS. 641

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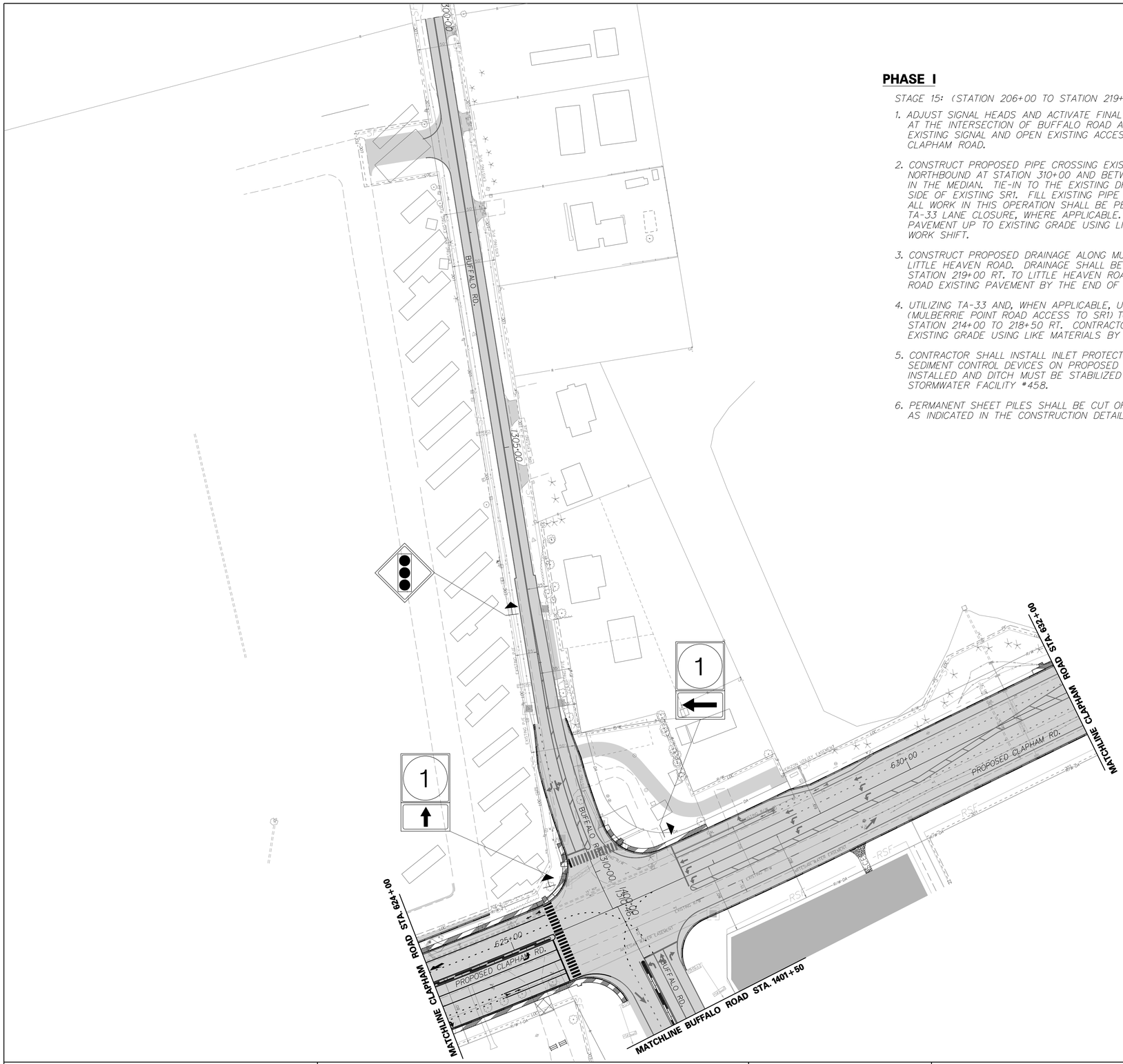

PHASE I

STAGE 15: (STATION 206+00 TO STATION 219+00)

1. ADJUST SIGNAL HEADS AND ACTIVATE FINAL TRAFFIC SIGNAL CONFIGURATION AT THE INTERSECTION OF BUFFALO ROAD AND CLAPHAM ROAD. RE-ACTIVATE EXISTING SIGNAL AND OPEN EXISTING ACCESS FROM NORTHBOUND SR1 TO CLAPHAM ROAD.

2. CONSTRUCT PROPOSED PIPE CROSSING EXISTING SR1 SOUTHBOUND AND NORTHBOUND AT STATION 310+00 AND BETWEEN STATION 310+00 TO 314+00 IN THE MEDIAN. TIE-IN TO THE EXISTING DRAINAGE IN THE MEDIAN AND THE EAST SIDE OF EXISTING SR1. FILL EXISTING PIPE AT STATION 209+70 WITH FLOWABLE FILL. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33 LANE CLOSURE, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

3. CONSTRUCT PROPOSED DRAINAGE ALONG MULLBERRIE POINT CONNECTOR ROAD AND LITTLE HEAVEN ROAD. DRAINAGE SHALL BE CONSTRUCTED FROM NORTHBOUND SR1 STATION 219+00 RT. TO LITTLE HEAVEN ROAD STATION 454+50. PATCH MULBERRIE POINT ROAD EXISTING PAVEMENT BY THE END OF THE WORK SHIFT.

4. UTILIZING TA-33 AND, WHEN APPLICABLE, USE THE DETOUR ROUTE SHOWN IN THE PLANS (MULBERRIE POINT ROAD ACCESS TO SR1) TO REMOVE EXISTING 58"x36" PIPE FROM STATION 214+00 TO 218+50 RT. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

5. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. SEDIMENT TRAP SHALL BE INSTALLED AND DITCH MUST BE STABILIZED PRIOR TO ANY EXCAVATION OF STORMWATER FACILITY #458.

6. PERMANENT SHEET PILES SHALL BE CUT OFF 2 FEET BELOW PROPOSED GRADE, AS INDICATED IN THE CONSTRUCTION DETAILS.

PHASE I: STAGE 15

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 331 / TOTAL SHTS. 641

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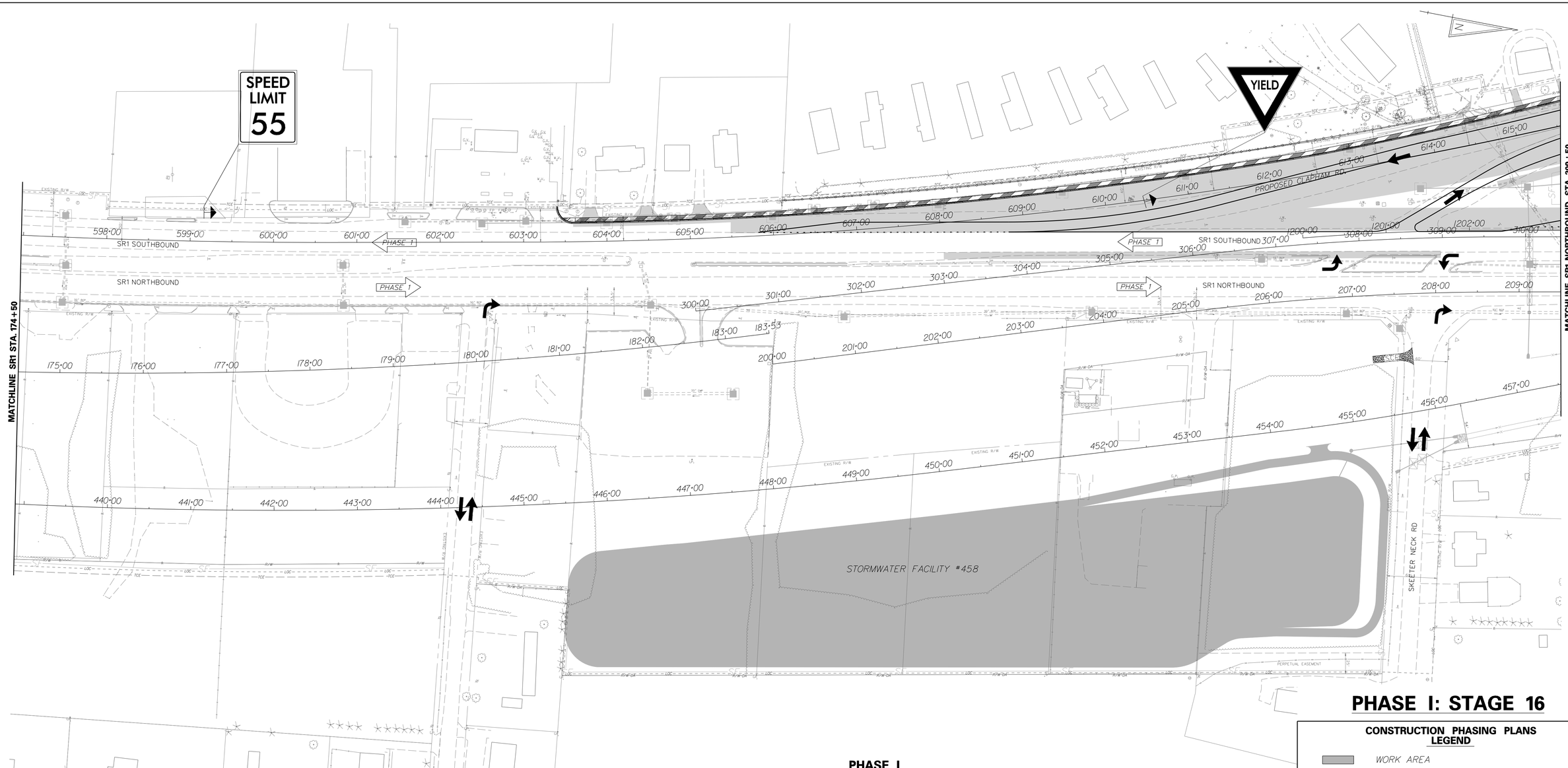

PHASE I: STAGE 16

PHASE I

STAGE 16: (STATION 445+50 TO STATION 455+50)

1. CONSTRUCT STORMWATER FACILITY #458. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. SEDIMENT TRAP DOWNSTREAM FROM STORMWATER FACILITY #458 SHALL BE REMOVED UPON COMPLETION OF POND CONSTRUCTION AND DITCH DOWNSTREAM IS VEGETATED.
2. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL, PERMANENT SEEDING AND MULCH BLANKET ON ALL AREAS IN FINAL CONDITIONS OR DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FINAL SIGNAGE WITH STATE FORCES PRIOR TO PROCEEDING TO THE NEXT PHASE, WHERE APPLICABLE. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SIGNAGE UNLESS APPROVED BY THE ENGINEER IN THE FIELD.
4. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL SYSTEMS STILL REMAINING IN THIS PHASE PER THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC
CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 332 / TOTAL SHTS. 641				

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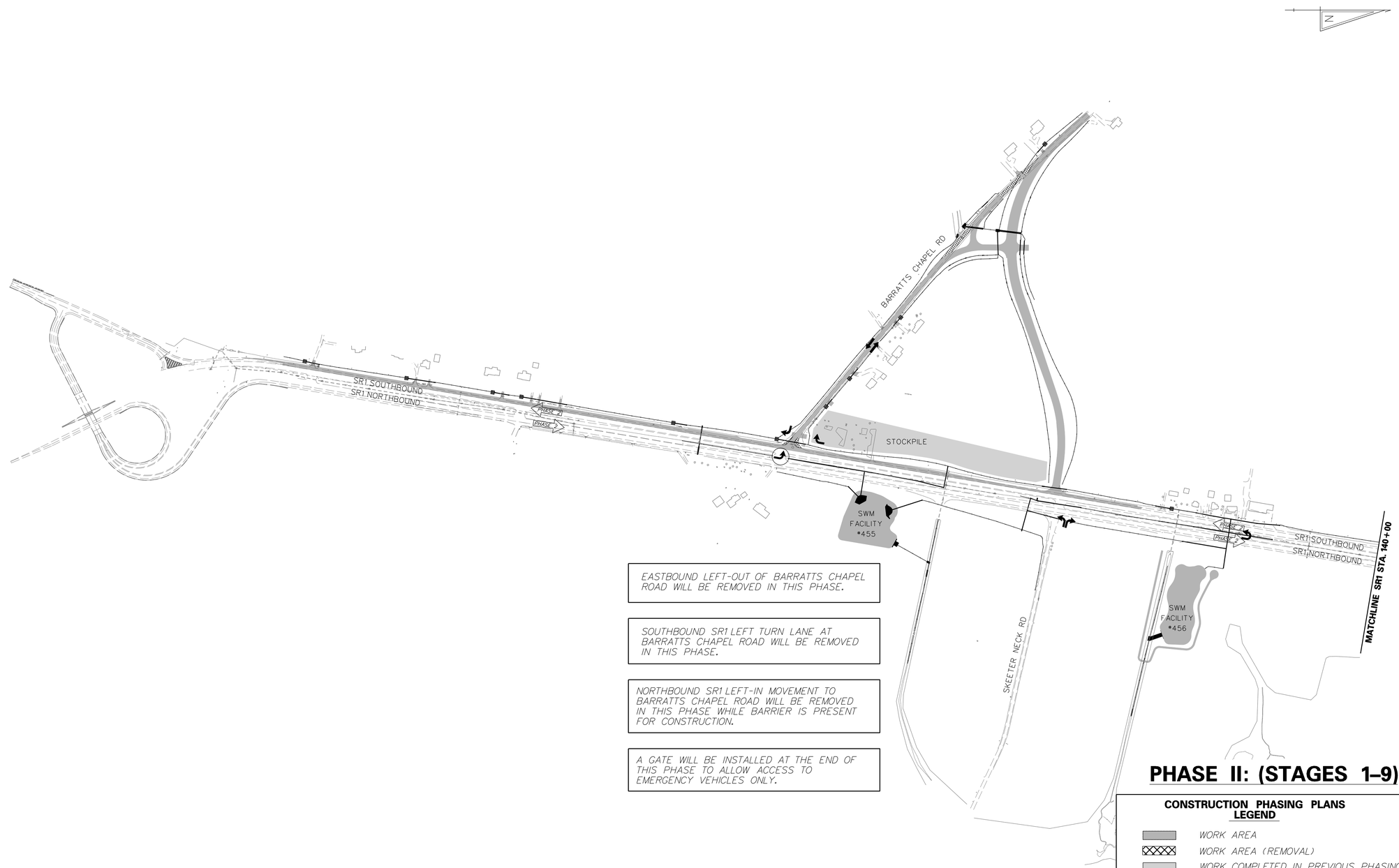

EASTBOUND LEFT-OUT OF BARRATTS CHAPEL ROAD WILL BE REMOVED IN THIS PHASE.

SOUTHBOUND SR1 LEFT TURN LANE AT BARRATTS CHAPEL ROAD WILL BE REMOVED IN THIS PHASE.

NORTHBOUND SR1 LEFT-IN MOVEMENT TO BARRATTS CHAPEL ROAD WILL BE REMOVED IN THIS PHASE WHILE BARRIER IS PRESENT FOR CONSTRUCTION.

A GATE WILL BE INSTALLED AT THE END OF THIS PHASE TO ALLOW ACCESS TO EMERGENCY VEHICLES ONLY.

PHASE II: (STAGES 1–9)

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- PHASE — 2-WAY SR1 TRAFFIC FLOW ARROW

* SEE 60 SCALE PLANS FOR STAGING

EROSION AND SEDIMENT CONTROL PLANS LEGEND

* SEE 60 SCALE PLANS FOR STAGING

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE: 0 300 600 900 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	–
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
333
TOTAL SHTS.
641

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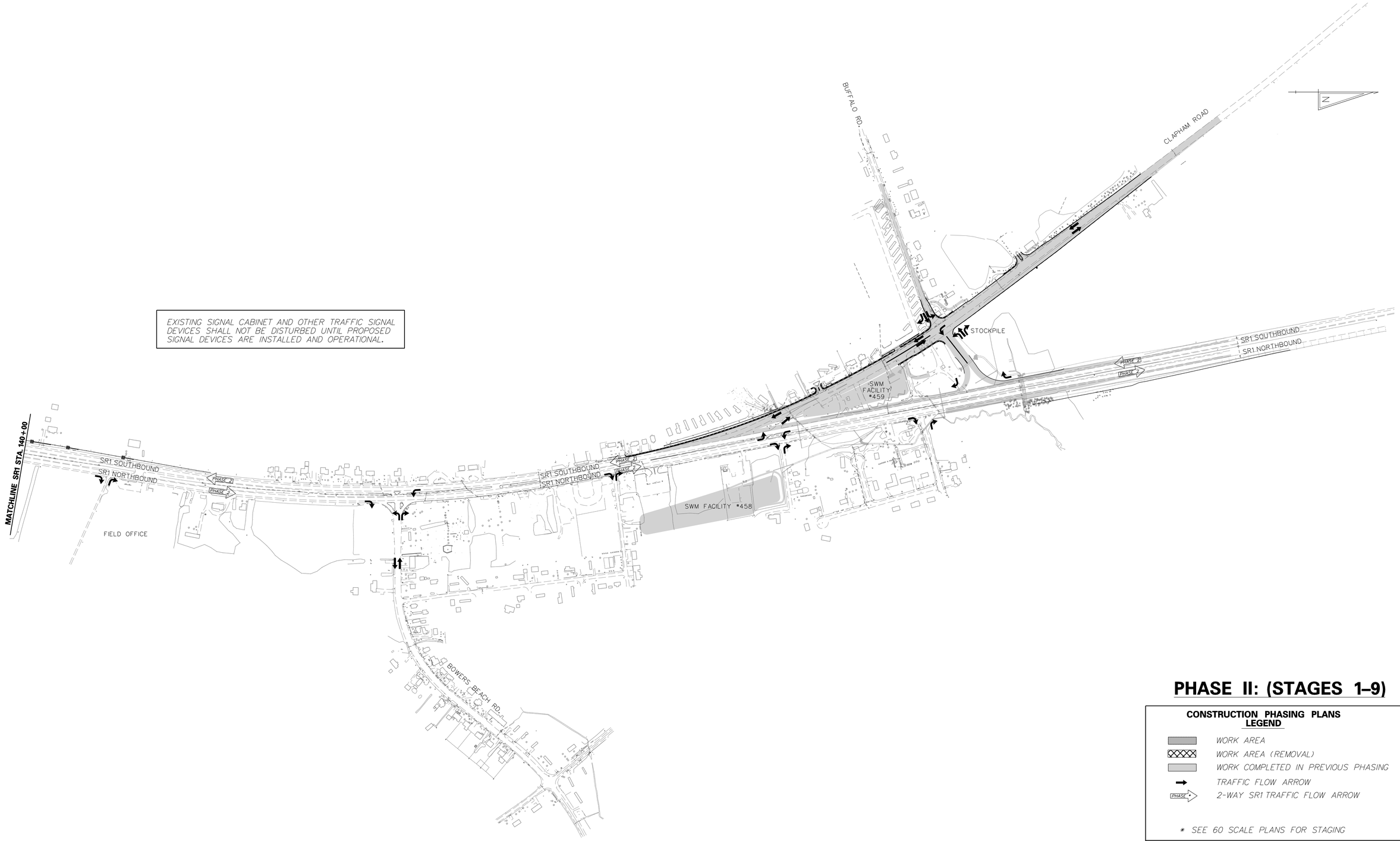
EXISTING SIGNAL CABINET AND OTHER TRAFFIC SIGNAL DEVICES SHALL NOT BE DISTURBED UNTIL PROPOSED SIGNAL DEVICES ARE INSTALLED AND OPERATIONAL.



PHASE II: (STAGES 1–9)

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- 2-WAY SR1 TRAFFIC FLOW ARROW

* SEE 60 SCALE PLANS FOR STAGING

EROSION AND SEDIMENT CONTROL PLANS LEGEND

* SEE 60 SCALE PLANS FOR STAGING

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 300 600 900 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 334
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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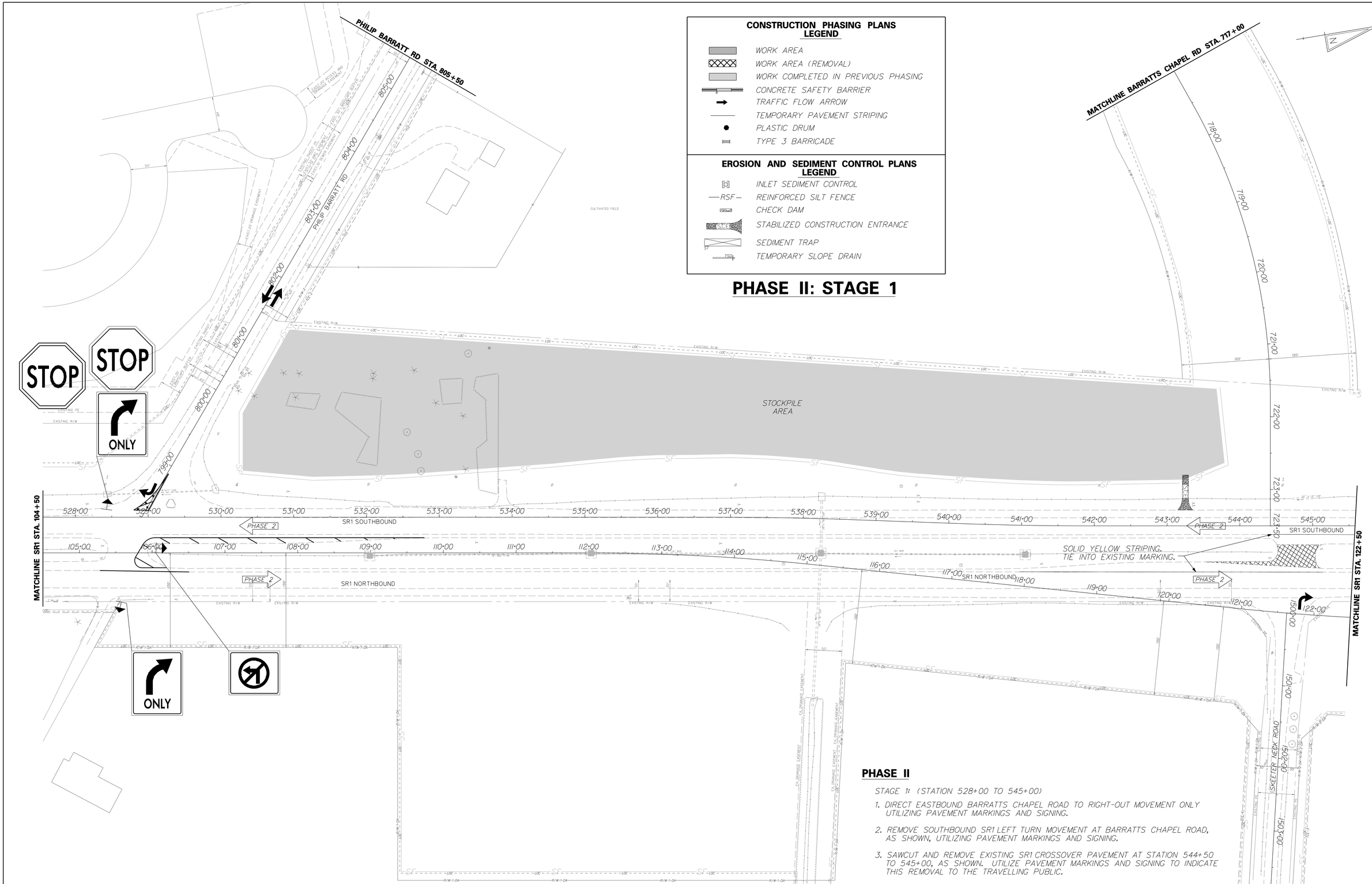
CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 1



PHASE II

STAGE 1: (STATION 528+00 TO 545+00)

1. DIRECT EASTBOUND BARRATTS CHAPEL ROAD TO RIGHT-OUT MOVEMENT ONLY UTILIZING PAVEMENT MARKINGS AND SIGNING.
2. REMOVE SOUTHBOUND SR1 LEFT TURN MOVEMENT AT BARRATTS CHAPEL ROAD, AS SHOWN, UTILIZING PAVEMENT MARKINGS AND SIGNING.
3. SAWCUT AND REMOVE EXISTING SR1 CROSSOVER PAVEMENT AT STATION 544+50 TO 545+00, AS SHOWN. UTILIZE PAVEMENT MARKINGS AND SIGNING TO INDICATE THIS REMOVAL TO THE TRAVELLING PUBLIC.

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
335
TOTAL SHTS.
641

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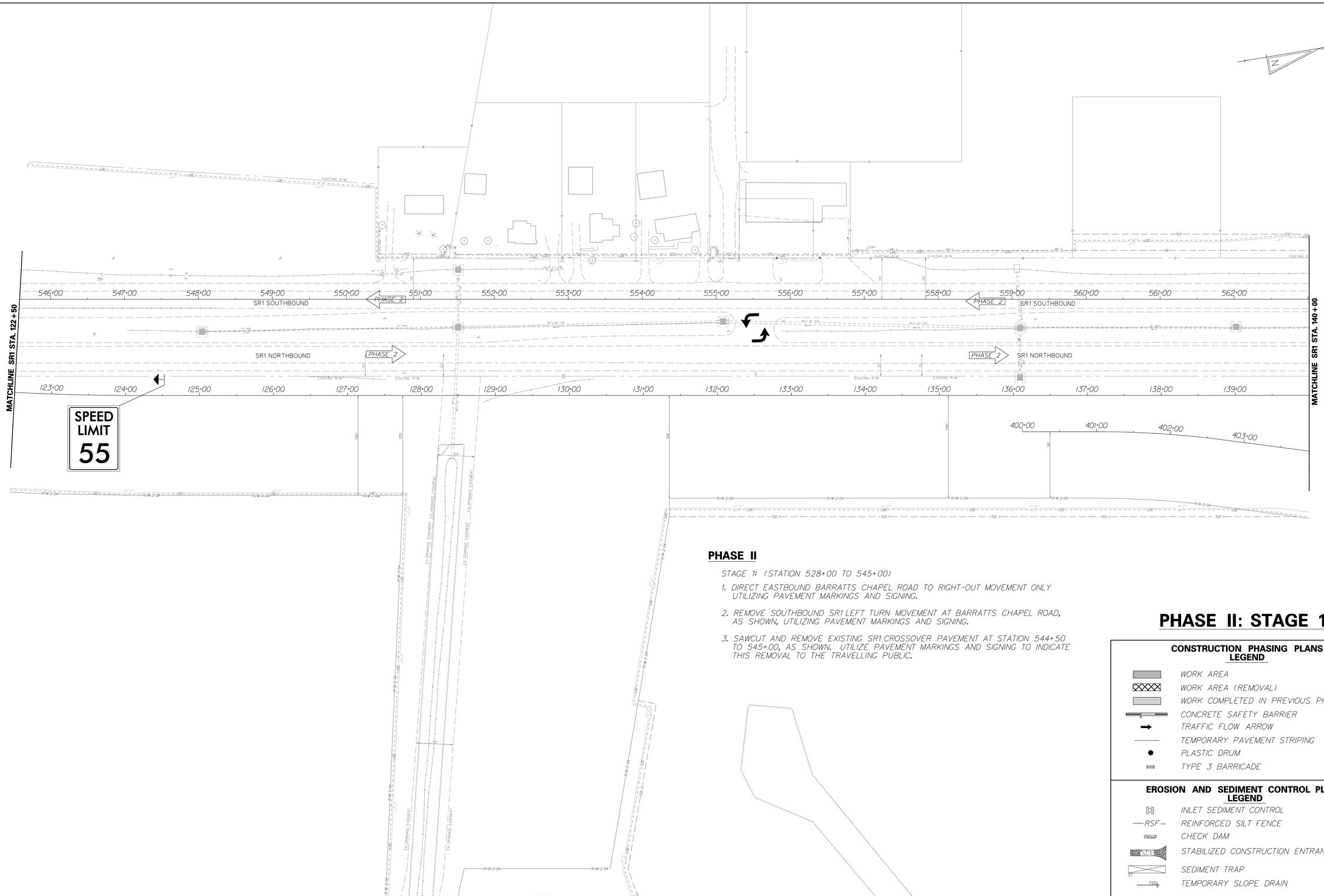

PHASE II

STAGE 1: (STATION 528+00 TO 545+00)

1. DIRECT EASTBOUND BARRATTS CHAPEL ROAD TO RIGHT-OUT MOVEMENT ONLY UTILIZING PAVEMENT MARKINGS AND SIGNING.
2. REMOVE SOUTHBOUND SR1 LEFT TURN MOVEMENT AT BARRATTS CHAPEL ROAD, AS SHOWN, UTILIZING PAVEMENT MARKINGS AND SIGNING.
3. SAWCUT AND REMOVE EXISTING SR1 CROSSOVER PAVEMENT AT STATION 544+50 TO 545+00, AS SHOWN. UTILIZE PAVEMENT MARKINGS AND SIGNING TO INDICATE THIS REMOVAL TO THE TRAVELLING PUBLIC.

PHASE II: STAGE 1

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 336 / TOTAL SHTS. 641

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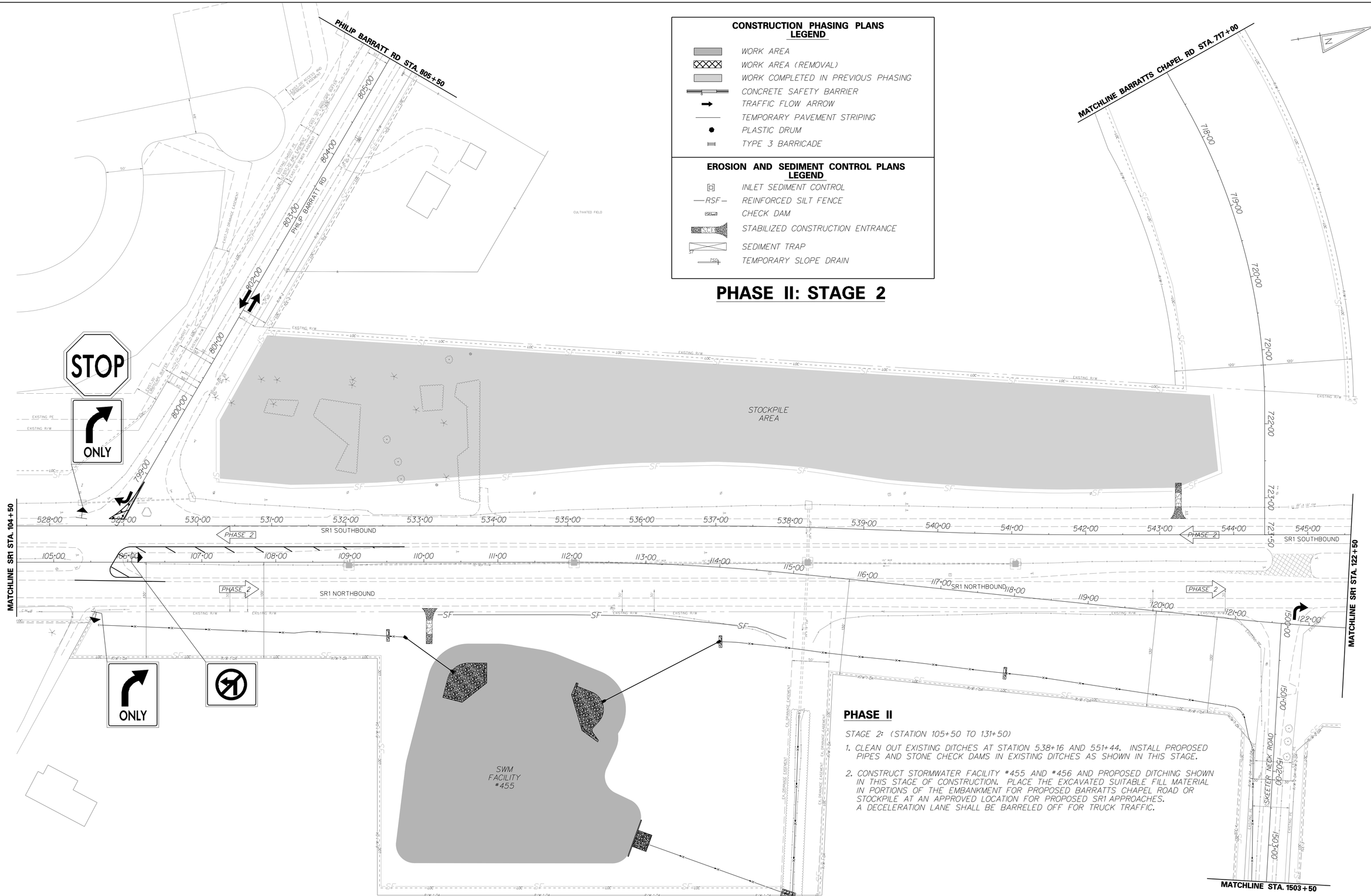
CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 2



PHASE II

STAGE 2: (STATION 105+50 TO 131+50)

1. CLEAN OUT EXISTING DITCHES AT STATION 538+16 AND 551+44. INSTALL PROPOSED PIPES AND STONE CHECK DAMS IN EXISTING DITCHES AS SHOWN IN THIS STAGE.
2. CONSTRUCT STORMWATER FACILITY #455 AND #456 AND PROPOSED DITCHING SHOWN IN THIS STAGE OF CONSTRUCTION. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. A DECELERATION LANE SHALL BE BARRELED OFF FOR TRUCK TRAFFIC.

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 337 / TOTAL SHTS. 641

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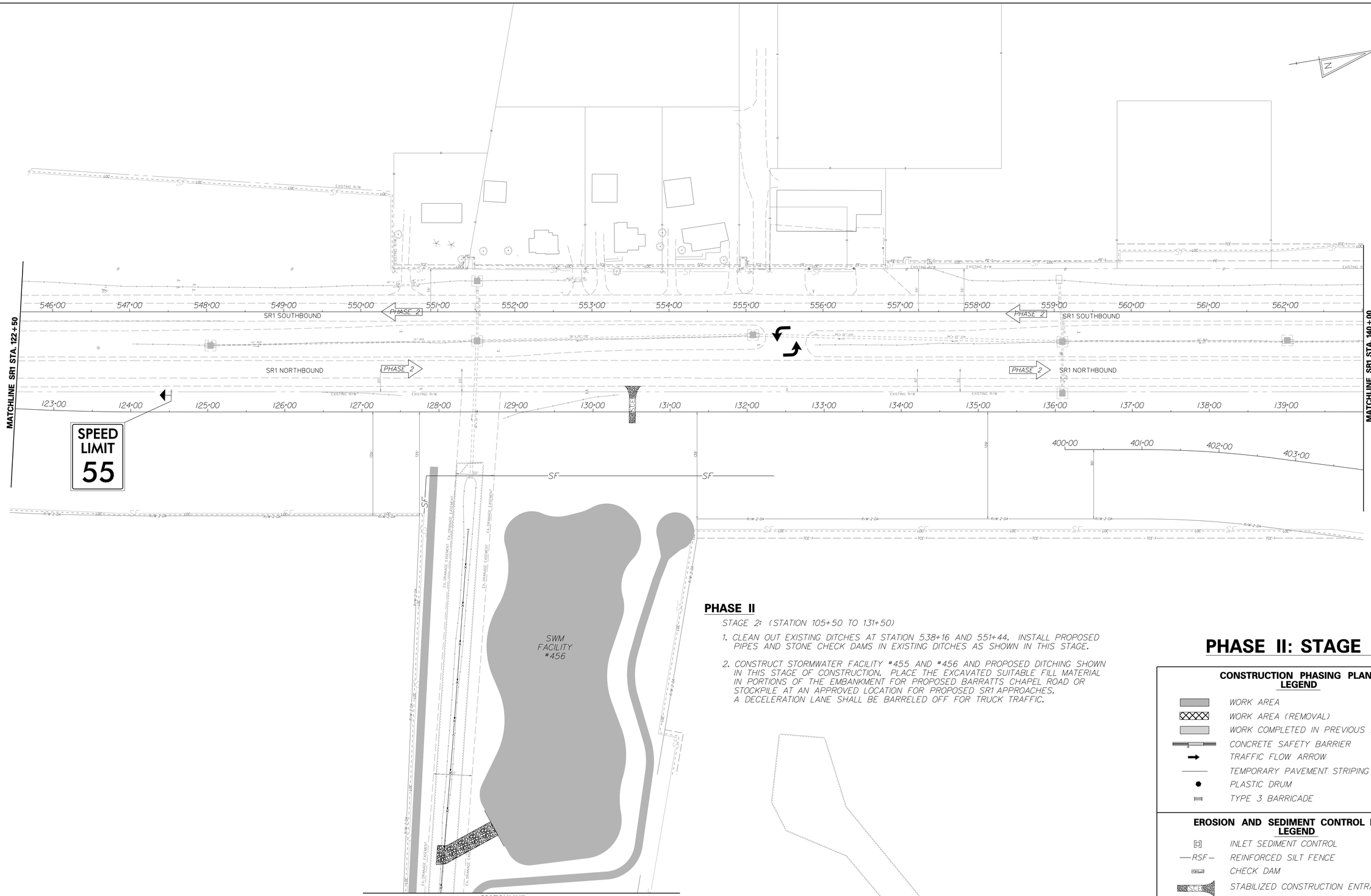

PHASE II

STAGE 2: (STATION 105+50 TO 131+50)

1. CLEAN OUT EXISTING DITCHES AT STATION 538+16 AND 551+44. INSTALL PROPOSED PIPES AND STONE CHECK DAMS IN EXISTING DITCHES AS SHOWN IN THIS STAGE.
2. CONSTRUCT STORMWATER FACILITY #455 AND #456 AND PROPOSED DITCHING SHOWN IN THIS STAGE OF CONSTRUCTION. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. A DECELERATION LANE SHALL BE BARRELED OFF FOR TRUCK TRAFFIC.

PHASE II: STAGE 2

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 338
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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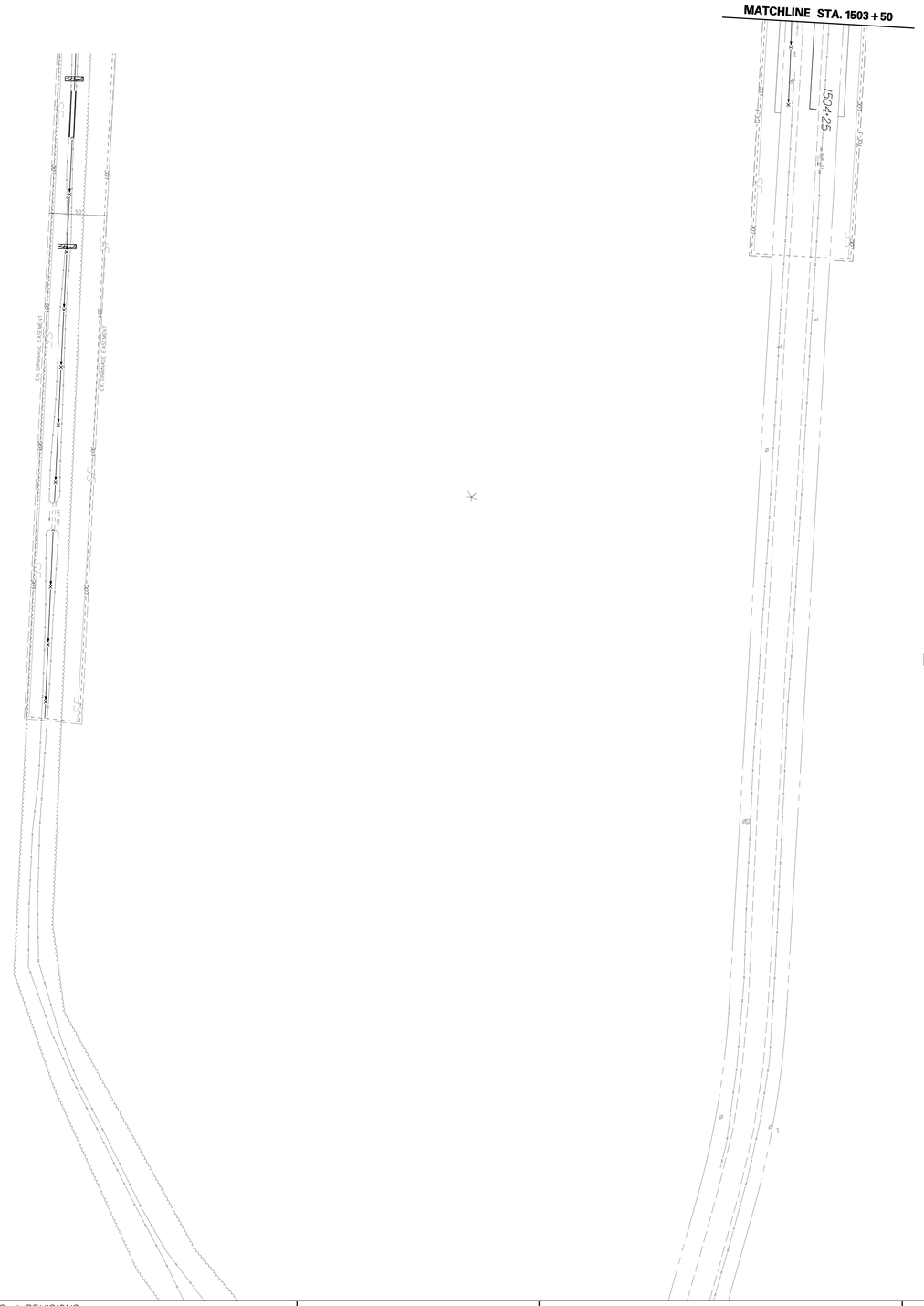

PHASE II

STAGE 2: (STATION 105+50 TO 131+50)

1. CLEAN OUT EXISTING DITCHES AT STATION 538+16 AND 551+44. INSTALL PROPOSED PIPES AND STONE CHECK DAMS IN EXISTING DITCHES AS SHOWN IN THIS STAGE.
2. CONSTRUCT STORMWATER FACILITY #455 AND #456 AND PROPOSED DITCHING SHOWN IN THIS STAGE OF CONSTRUCTION. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. A DECELERATION LANE SHALL BE BARRELED OFF FOR TRUCK TRAFFIC.

PHASE II: STAGE 2

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 339 / TOTAL SHTS. 641

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PHASE II

STAGE 2: (STATION 105+50 TO 131+50)

1. CLEAN OUT EXISTING DITCHES AT STATION 538+16 AND 551+44. INSTALL PROPOSED PIPES AND STONE CHECK DAMS IN EXISTING DITCHES AS SHOWN IN THIS STAGE.

2. CONSTRUCT STORMWATER FACILITY #455 AND #456 AND PROPOSED DITCHING SHOWN IN THIS STAGE OF CONSTRUCTION. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS OF THE EMBANKMENT FOR PROPOSED BARRATTS CHAPEL ROAD OR STOCKPILE AT AN APPROVED LOCATION FOR PROPOSED SR1 APPROACHES. A DECELERATION LANE SHALL BE BARRELED OFF FOR TRUCK TRAFFIC.

PHASE II: STAGE 2

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 340 / TOTAL SHTS. 641

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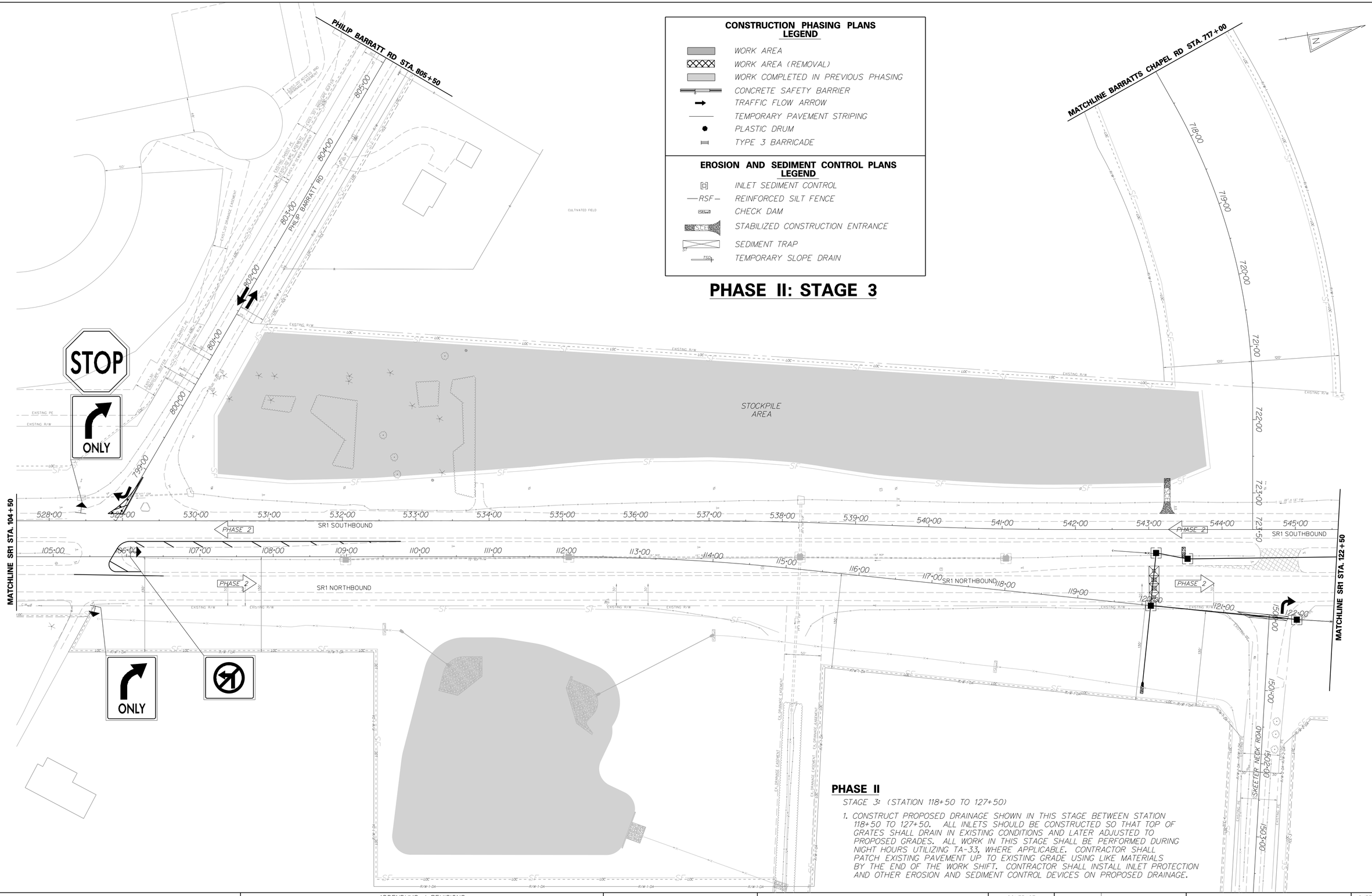

CONSTRUCTION PHASING PLANS
LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS
LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

PHASE II: STAGE 3

PHASE II

STAGE 3: (STATION 118+50 TO 127+50)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 118+50 TO 127+50. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 341
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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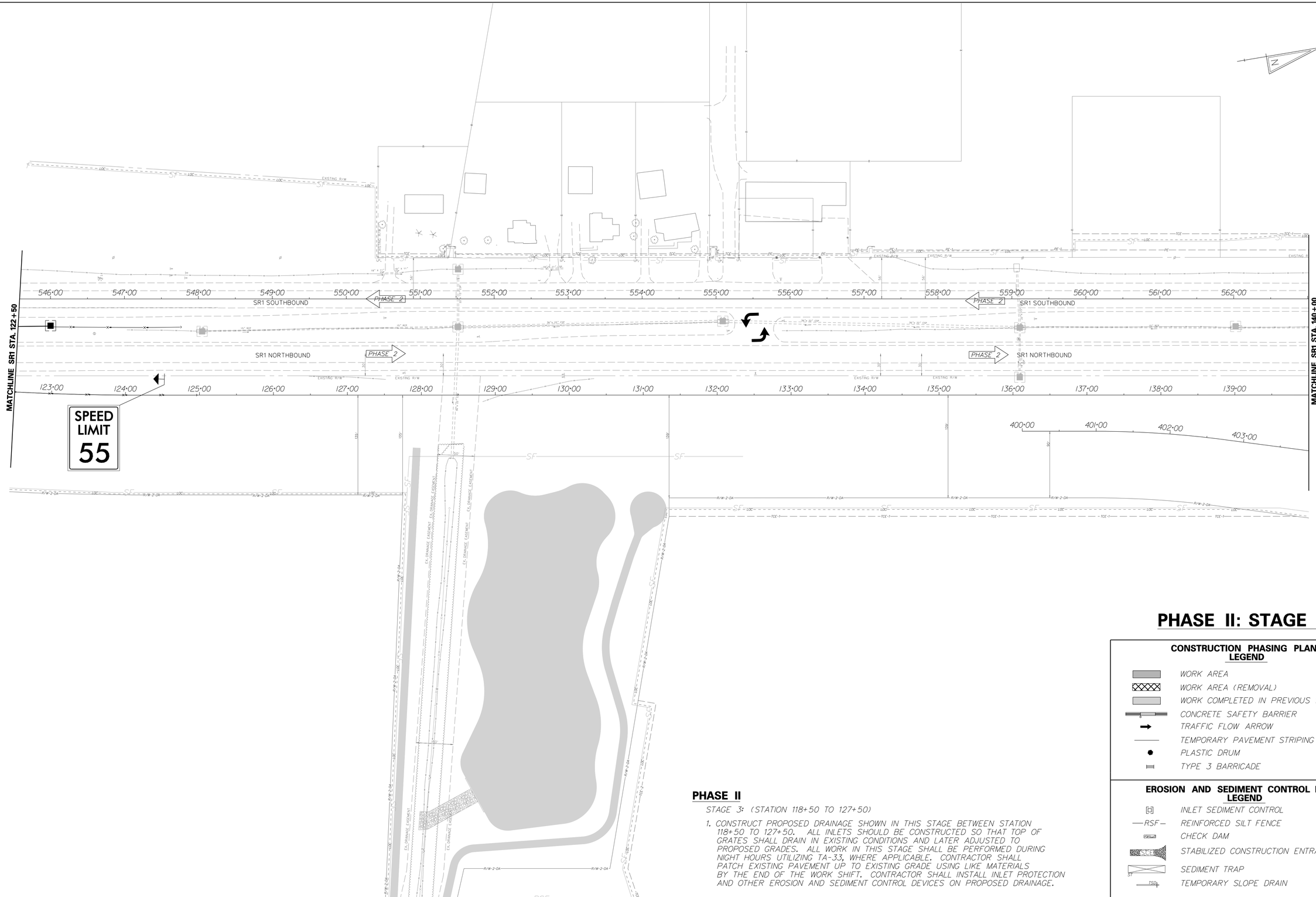

PHASE II: STAGE 3

PHASE II

STAGE 3: (STATION 118+50 TO 127+50)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 118+50 TO 127+50. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 342 / TOTAL SHTS. 641

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCB — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

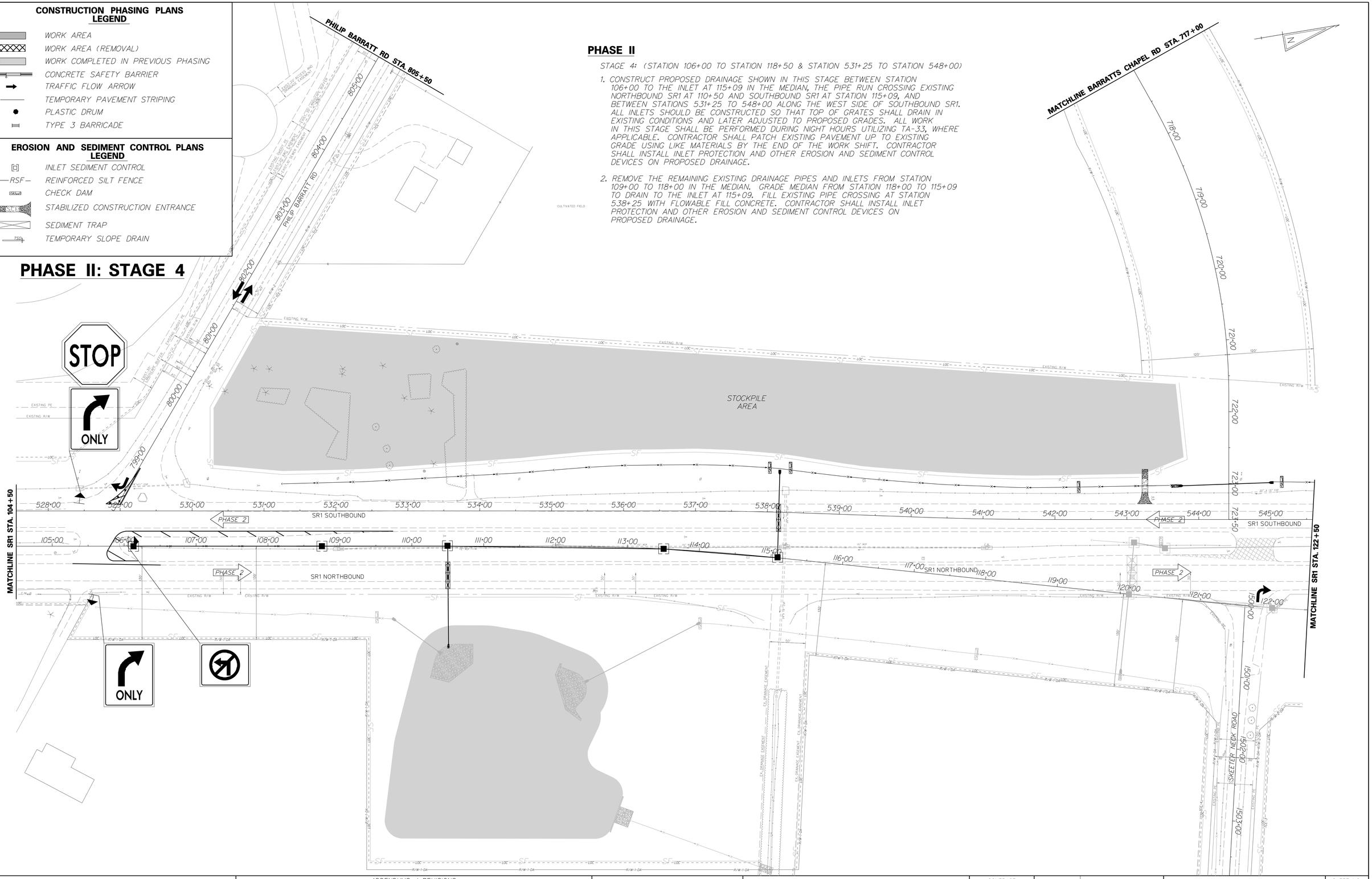
PHASE II: STAGE 4

PHASE II

STAGE 4: (STATION 106+00 TO STATION 118+50 & STATION 531+25 TO STATION 548+00)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 106+00 TO THE INLET AT 115+09 IN THE MEDIAN, THE PIPE RUN CROSSING EXISTING NORTHBOUND SR1 AT 110+50 AND SOUTHBOUND SR1 AT STATION 115+09, AND BETWEEN STATIONS 531+25 TO 548+00 ALONG THE WEST SIDE OF SOUTHBOUND SR1. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

2. REMOVE THE REMAINING EXISTING DRAINAGE PIPES AND INLETS FROM STATION 109+00 TO 118+00 IN THE MEDIAN. GRADE MEDIAN FROM STATION 118+00 TO 115+09 TO DRAIN TO THE INLET AT 115+09. FILL EXISTING PIPE CROSSING AT STATION 538+25 WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 343
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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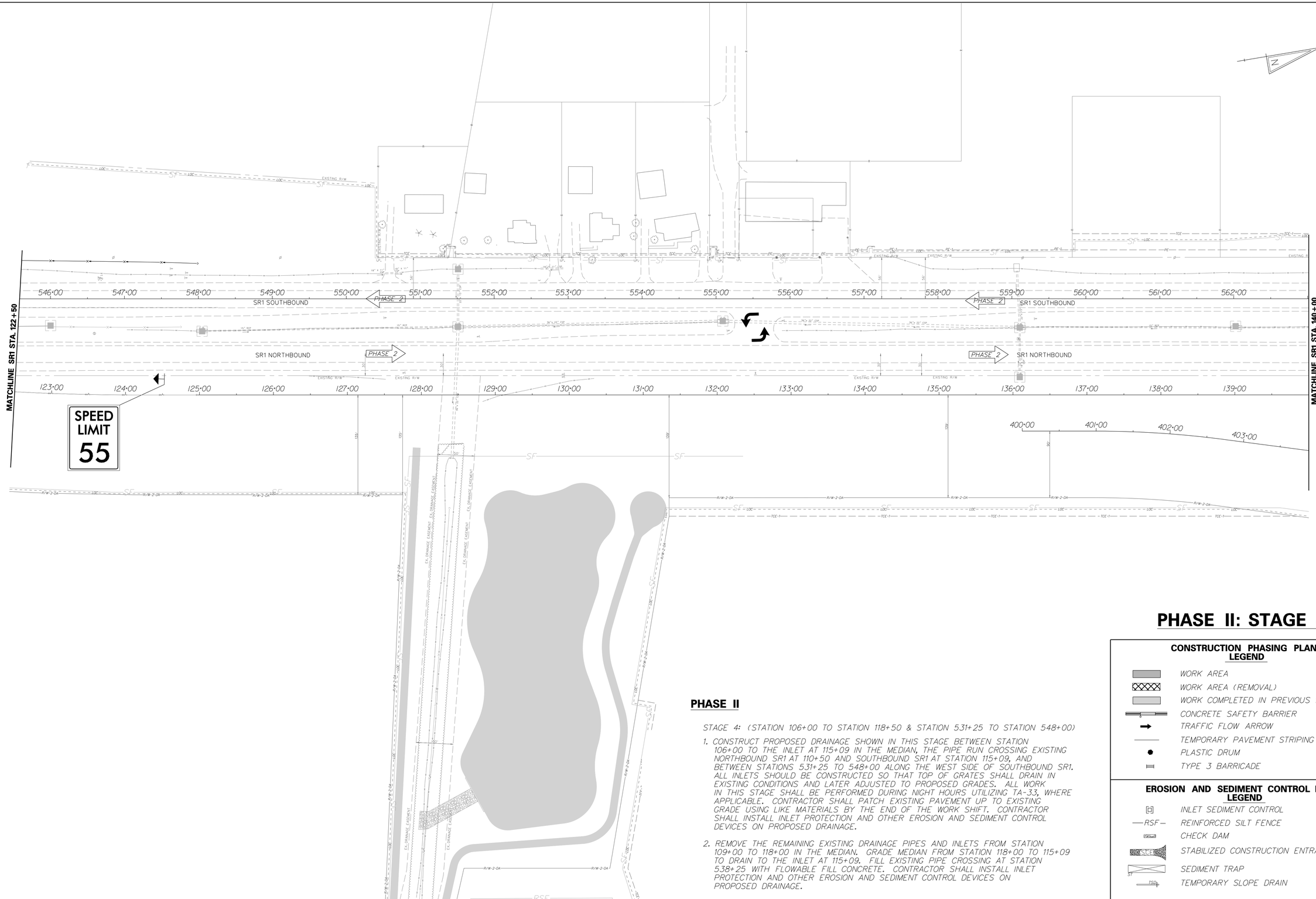

PHASE II: STAGE 4

PHASE II

STAGE 4: (STATION 106+00 TO STATION 118+50 & STATION 531+25 TO STATION 548+00)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 106+00 TO THE INLET AT 115+09 IN THE MEDIAN, THE PIPE RUN CROSSING EXISTING NORTHBOUND SR1 AT 110+50 AND SOUTHBOUND SR1 AT STATION 115+09, AND BETWEEN STATIONS 531+25 TO 548+00 ALONG THE WEST SIDE OF SOUTHBOUND SR1. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

2. REMOVE THE REMAINING EXISTING DRAINAGE PIPES AND INLETS FROM STATION 109+00 TO 118+00 IN THE MEDIAN. GRADE MEDIAN FROM STATION 118+00 TO 115+09 TO DRAIN TO THE INLET AT 115+09. FILL EXISTING PIPE CROSSING AT STATION 538+25 WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
344
TOTAL SHTS.
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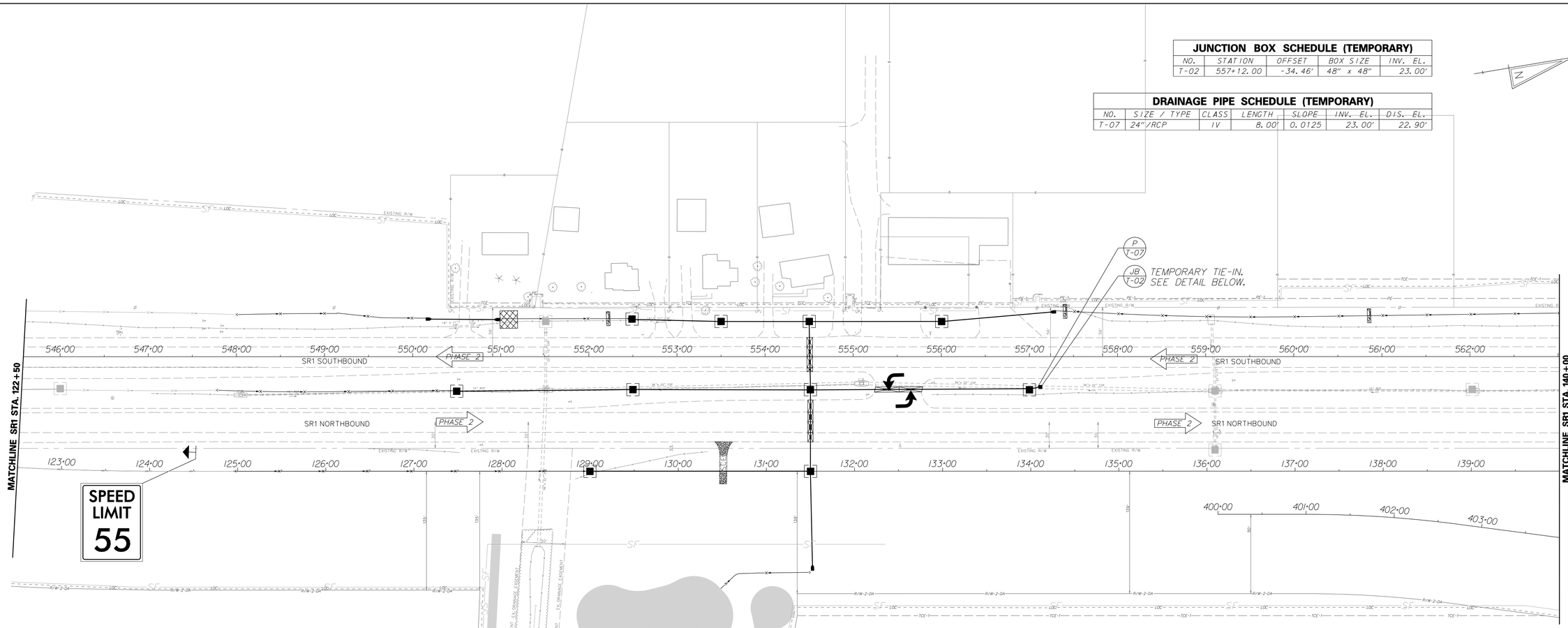
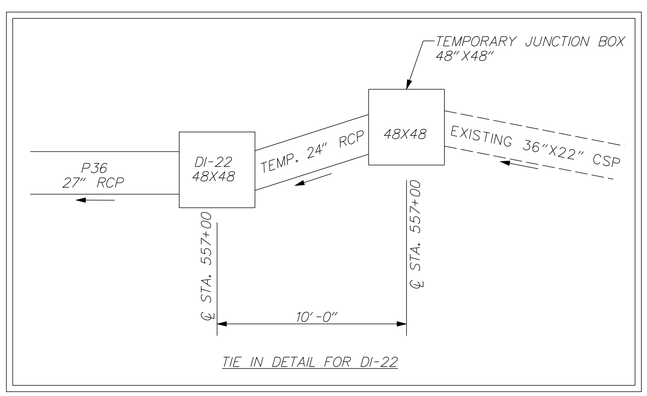
JUNCTION BOX SCHEDULE (TEMPORARY)				
NO.	STATION	OFFSET	BOX SIZE	INV. EL.
T-02	557+12.00	-34.46'	48" x 48"	23.00'

DRAINAGE PIPE SCHEDULE (TEMPORARY)						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-07	24"/RCP	IV	8.00'	0.0125	23.00'	22.90'





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PHASE II: STAGE 5

PHASE II

STAGE 5: (STATION 125+00 TO STATION 134+00 & STATION 548+00 TO STATION 575+50)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 125+00 TO THE INLET AT STATION 131+50 ON BOTH EAST AND WEST SIDES OF EXISTING NORTHBOUND SR1, THE PIPE RUN CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 131+50, AND BETWEEN STATION 548+00 TO 575+50, ALONG THE WEST SIDE OF SOUTHBOUND SR1. CONSTRUCT THE DRAINAGE IN THE MEDIAN FROM STATION 131+50 TO 134+00 AND TIE-IN TO EXISTING DRAINAGE SYSTEM. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

2. REMOVE THE REMAINING EXISTING DRAINAGE PIPES AND INLETS FROM STATION 125+00 TO 131+50 IN THE MEDIAN. EXCAVATE, SAWCUT AND REMOVE EXISTING PIPE AT STATION 128+50 TO CONSTRUCT PROPOSED DITCH ON THE EAST SIDE OF NORTHBOUND SR1. FILL THE REMAINING EXISTING PIPE CROSSING WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY	CHECKED BY:	WFC
KENT		

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
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TOTAL SHTS.
641

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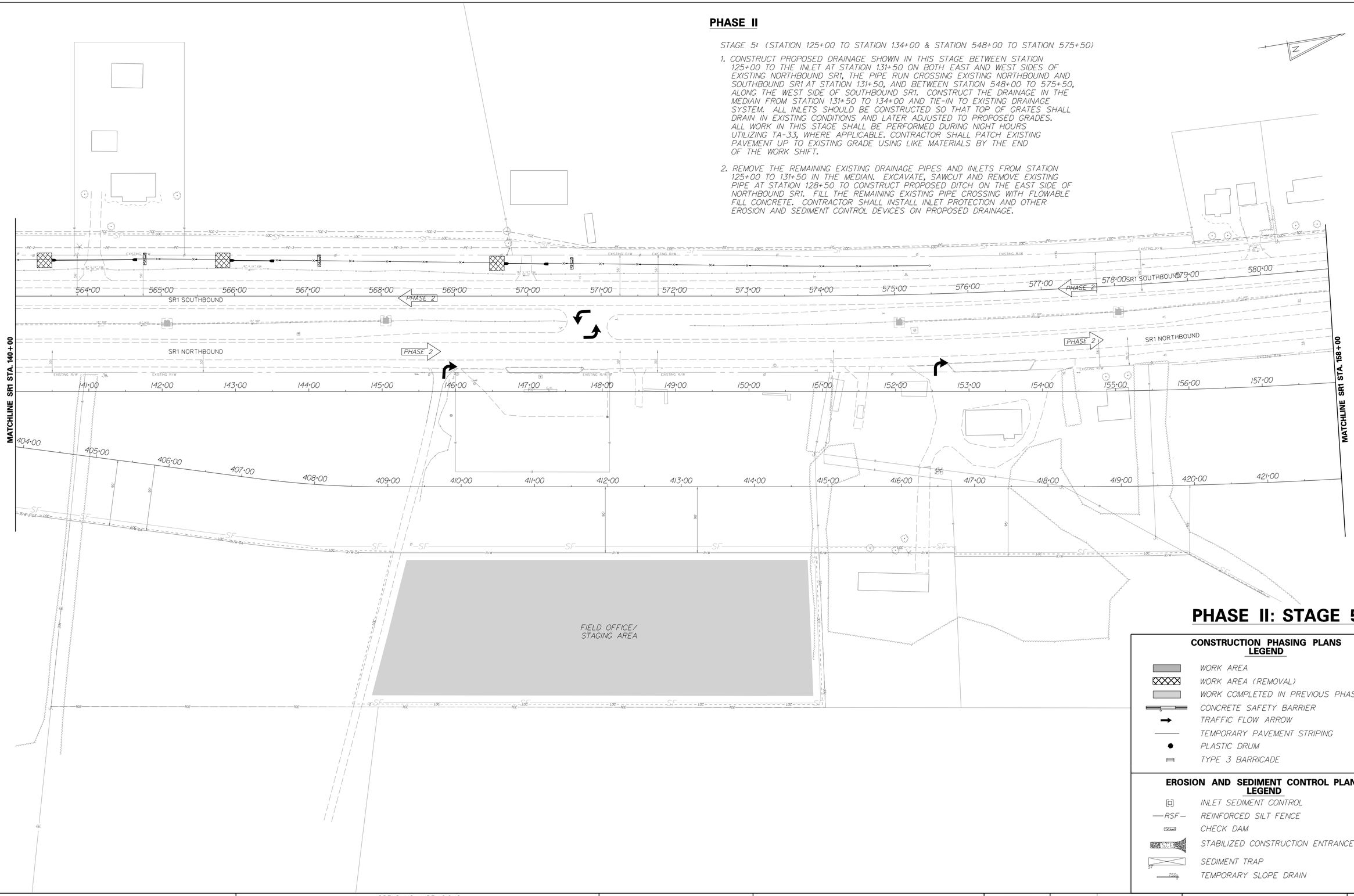
PHASE II

STAGE 5: (STATION 125+00 TO STATION 134+00 & STATION 548+00 TO STATION 575+50)

1. CONSTRUCT PROPOSED DRAINAGE SHOWN IN THIS STAGE BETWEEN STATION 125+00 TO THE INLET AT STATION 131+50 ON BOTH EAST AND WEST SIDES OF EXISTING NORTHBOUND SR1, THE PIPE RUN CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 131+50, AND BETWEEN STATION 548+00 TO 575+50, ALONG THE WEST SIDE OF SOUTHBOUND SR1. CONSTRUCT THE DRAINAGE IN THE MEDIAN FROM STATION 131+50 TO 134+00 AND TIE-IN TO EXISTING DRAINAGE SYSTEM. ALL INLETS SHOULD BE CONSTRUCTED SO THAT TOP OF GRATES SHALL DRAIN IN EXISTING CONDITIONS AND LATER ADJUSTED TO PROPOSED GRADES. ALL WORK IN THIS STAGE SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

2. REMOVE THE REMAINING EXISTING DRAINAGE PIPES AND INLETS FROM STATION 125+00 TO 131+50 IN THE MEDIAN. EXCAVATE, SAWCUT AND REMOVE EXISTING PIPE AT STATION 128+50 TO CONSTRUCT PROPOSED DITCH ON THE EAST SIDE OF NORTHBOUND SR1. FILL THE REMAINING EXISTING PIPE CROSSING WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.



PHASE II: STAGE 5

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 346
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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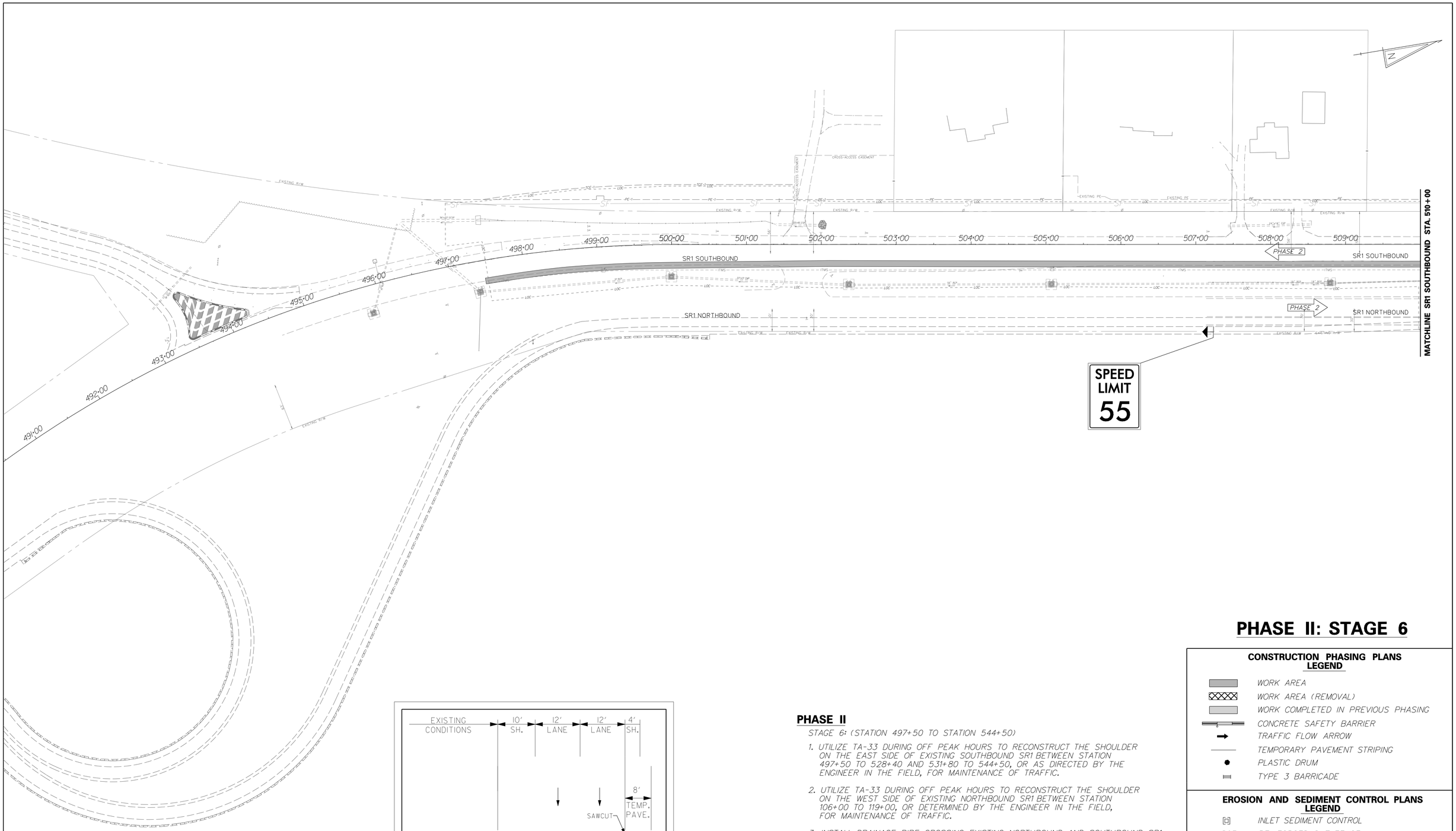

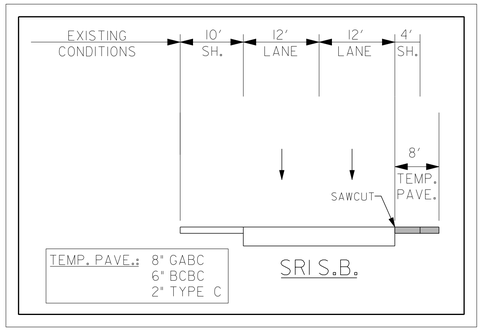

PHASE II: STAGE 6

PHASE II

STAGE 6: (STATION 497+50 TO STATION 544+50)

1. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE EAST SIDE OF EXISTING SOUTHBOUND SR1 BETWEEN STATION 497+50 TO 528+40 AND 531+80 TO 544+50, OR AS DIRECTED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.

2. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE WEST SIDE OF EXISTING NORTHBOUND SR1 BETWEEN STATION 106+00 TO 119+00, OR DETERMINED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.

3. INSTALL DRAINAGE PIPE CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 101+00 AND GRADE DITCH FROM STATION 100+00 TO 105+00 IN THE MEDIAN, UTILIZING TA-33 LANE CLOSURE. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 347 / TOTAL SHTS. 641

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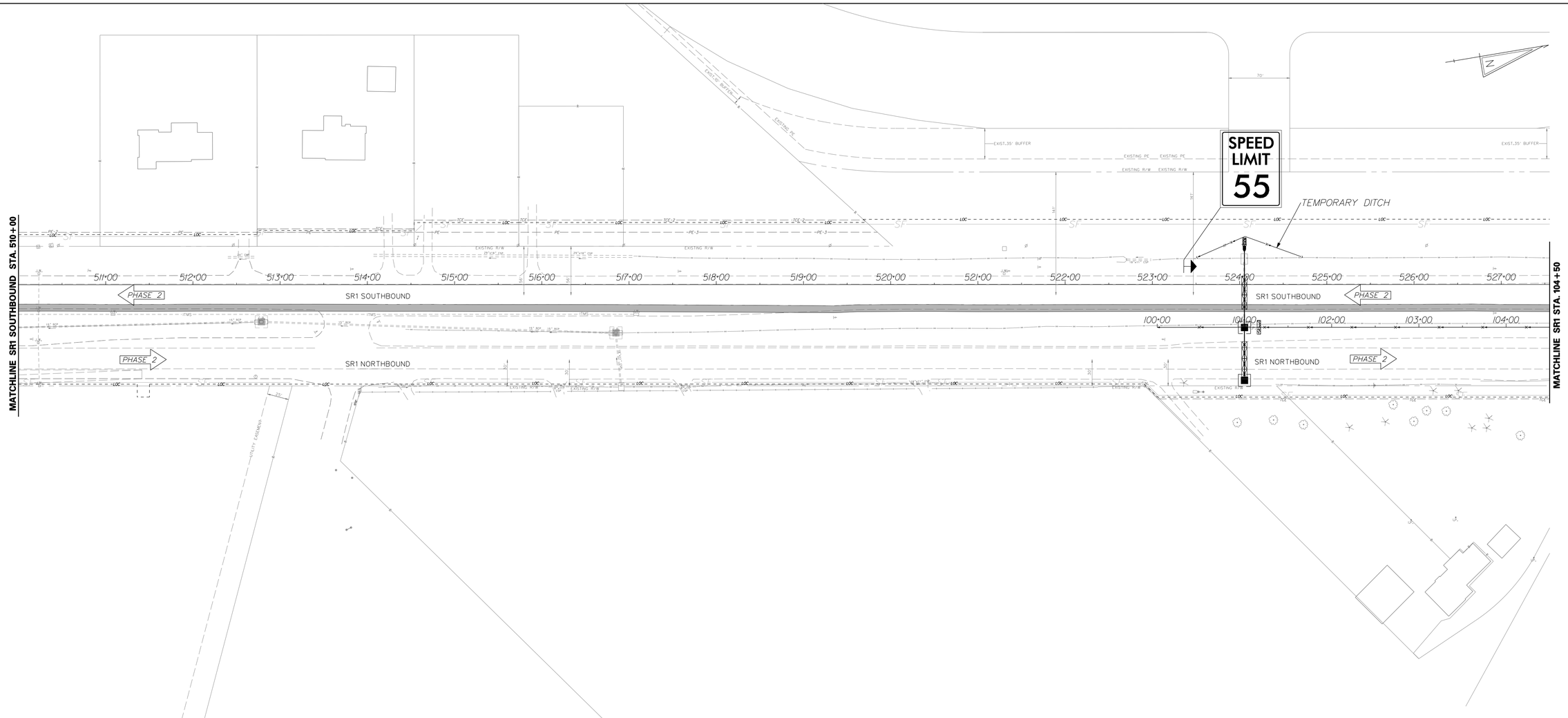

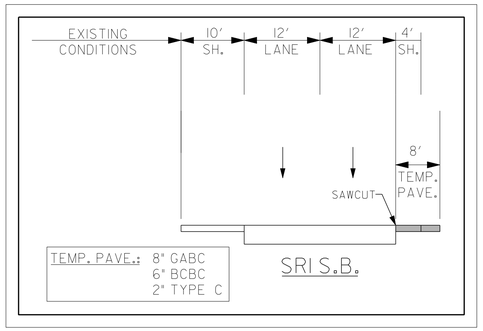

PHASE II

STAGE 6: (STATION 497+50 TO STATION 544+50)

1. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE EAST SIDE OF EXISTING SOUTHBOUND SR1 BETWEEN STATION 497+50 TO 528+40 AND 531+80 TO 544+50, OR AS DIRECTED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.

2. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE WEST SIDE OF EXISTING NORTHBOUND SR1 BETWEEN STATION 106+00 TO 119+00, OR DETERMINED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.

3. INSTALL DRAINAGE PIPE CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 101+00 AND GRADE DITCH FROM STATION 100+00 TO 105+00 IN THE MEDIAN, UTILIZING TA-33 LANE CLOSURE. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

PHASE II: STAGE 6

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 348 / TOTAL SHTS. 641

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

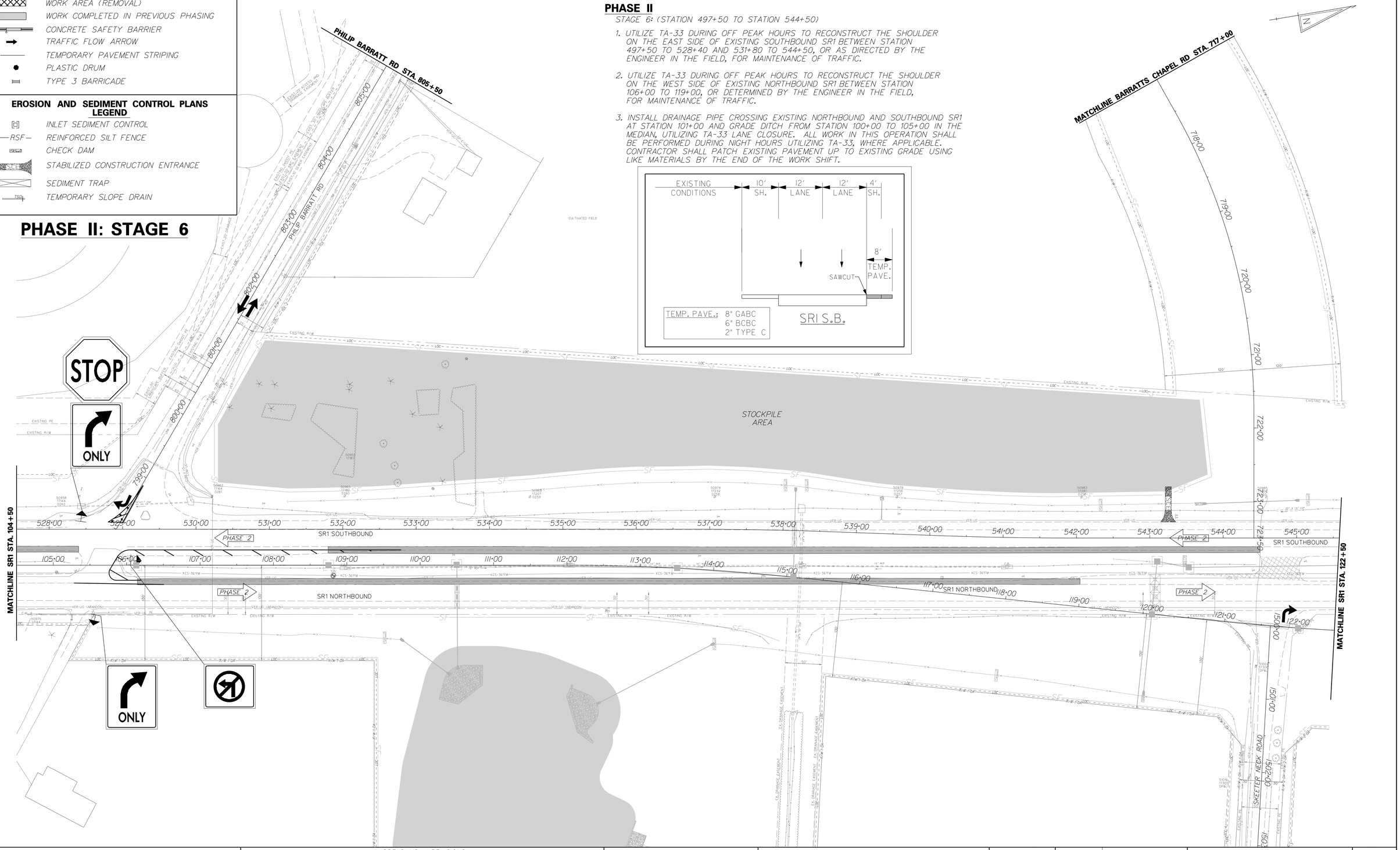
- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 6

PHASE II

STAGE 6: (STATION 497+50 TO STATION 544+50)

1. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE EAST SIDE OF EXISTING SOUTHBOUND SR1 BETWEEN STATION 497+50 TO 528+40 AND 531+80 TO 544+50, OR AS DIRECTED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.
2. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE WEST SIDE OF EXISTING NORTHBOUND SR1 BETWEEN STATION 106+00 TO 119+00, OR DETERMINED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.
3. INSTALL DRAINAGE PIPE CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 101+00 AND GRADE DITCH FROM STATION 100+00 TO 105+00 IN THE MEDIAN, UTILIZING TA-33 LANE CLOSURE. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. –	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 349
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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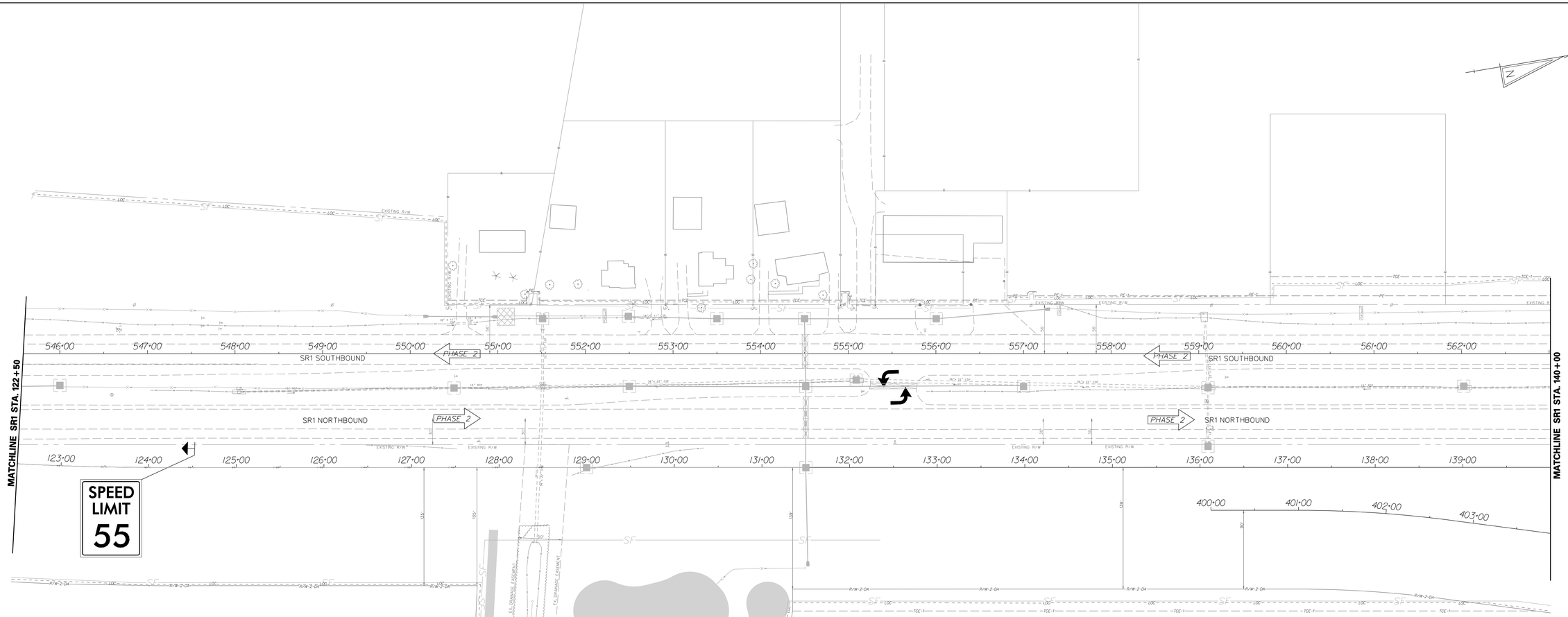

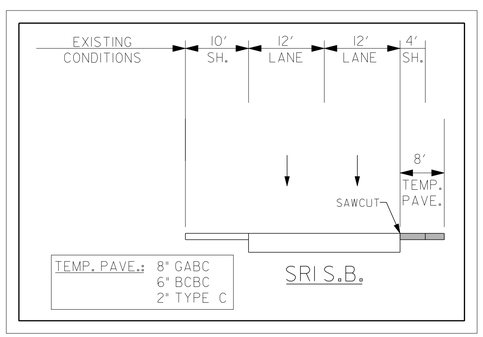

PHASE II: STAGE 6

PHASE II

STAGE 6: (STATION 497+50 TO STATION 544+50)

1. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE EAST SIDE OF EXISTING SOUTHBOUND SR1 BETWEEN STATION 497+50 TO 528+40 AND 531+80 TO 544+50, OR AS DIRECTED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.
2. UTILIZE TA-33 DURING OFF PEAK HOURS TO RECONSTRUCT THE SHOULDER ON THE WEST SIDE OF EXISTING NORTHBOUND SR1 BETWEEN STATION 106+00 TO 119+00, OR DETERMINED BY THE ENGINEER IN THE FIELD, FOR MAINTENANCE OF TRAFFIC.
3. INSTALL DRAINAGE PIPE CROSSING EXISTING NORTHBOUND AND SOUTHBOUND SR1 AT STATION 101+00 AND GRADE DITCH FROM STATION 100+00 TO 105+00 IN THE MEDIAN, UTILIZING TA-33 LANE CLOSURE. ALL WORK IN THIS OPERATION SHALL BE PERFORMED DURING NIGHT HOURS UTILIZING TA-33, WHERE APPLICABLE. CONTRACTOR SHALL PATCH EXISTING PAVEMENT UP TO EXISTING GRADE USING LIKE MATERIALS BY THE END OF THE WORK SHIFT.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 350
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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SEDIMENT TRAP SCHEDULE							
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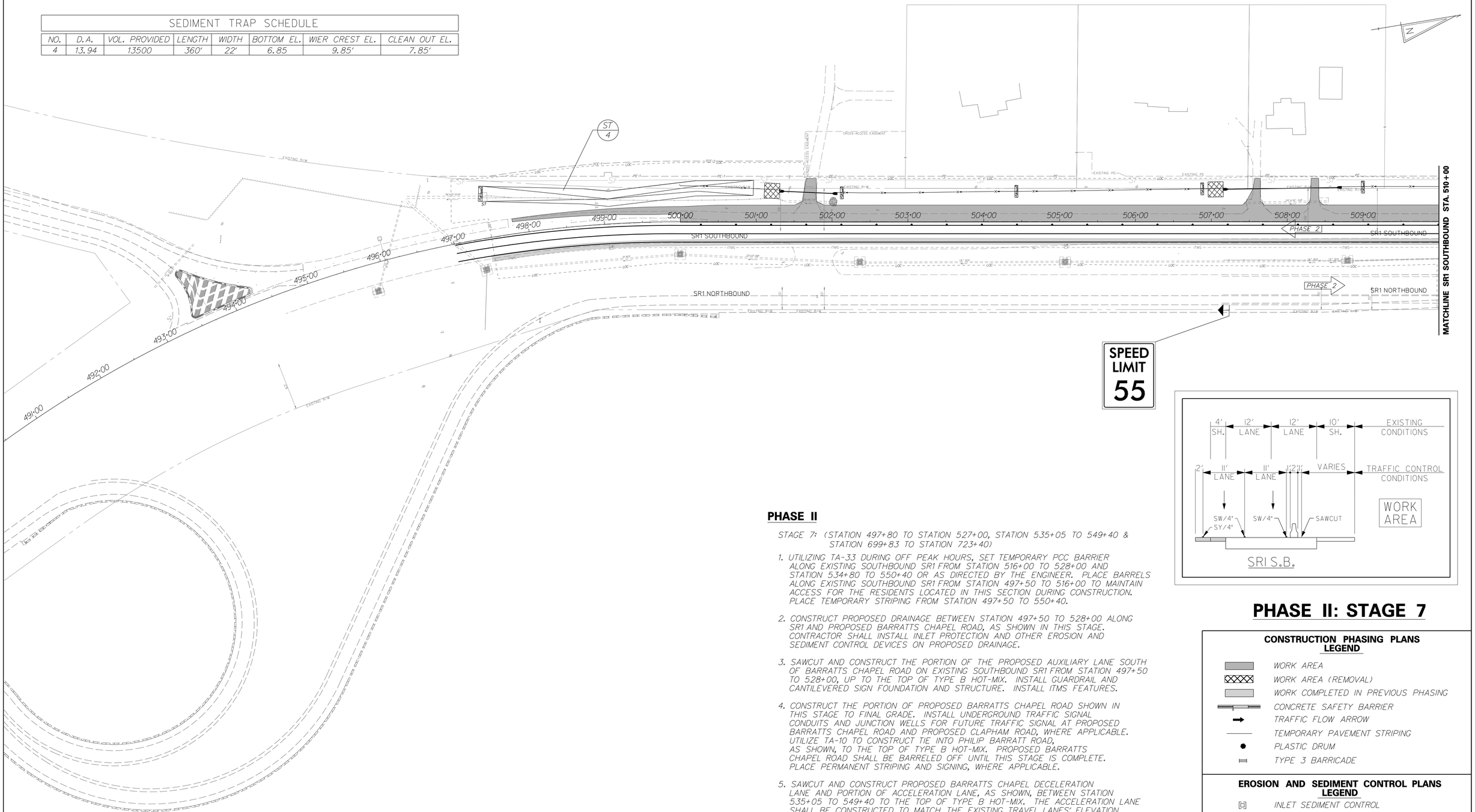

PHASE II: STAGE 7

PHASE II

STAGE 7: (STATION 497+80 TO STATION 527+00, STATION 535+05 TO 549+40 & STATION 699+83 TO STATION 723+40)

1. UTILIZING TA-33 DURING OFF PEAK HOURS, SET TEMPORARY PCC BARRIER ALONG EXISTING SOUTHBOUND SR1 FROM STATION 516+00 TO 528+00 AND STATION 534+80 TO 550+40 OR AS DIRECTED BY THE ENGINEER. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 516+00 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION. PLACE TEMPORARY STRIPING FROM STATION 497+50 TO 550+40.

2. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 497+50 TO 528+00 ALONG SR1 AND PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN IN THIS STAGE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. SAWCUT AND CONSTRUCT THE PORTION OF THE PROPOSED AUXILIARY LANE SOUTH OF BARRATTS CHAPEL ROAD ON EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 528+00, UP TO THE TOP OF TYPE B HOT-MIX. INSTALL GUARDRAIL AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. INSTALL ITMS FEATURES.

4. CONSTRUCT THE PORTION OF PROPOSED BARRATTS CHAPEL ROAD SHOWN IN THIS STAGE TO FINAL GRADE. INSTALL UNDERGROUND TRAFFIC SIGNAL CONDUITS AND JUNCTION WELLS FOR FUTURE TRAFFIC SIGNAL AT PROPOSED BARRATTS CHAPEL ROAD AND PROPOSED CLAPHAM ROAD, WHERE APPLICABLE. UTILIZE TA-10 TO CONSTRUCT TIE INTO PHILIP BARRATT ROAD, AS SHOWN, TO THE TOP OF TYPE B HOT-MIX. PROPOSED BARRATTS CHAPEL ROAD SHALL BE BARRELED OFF UNTIL THIS STAGE IS COMPLETE. PLACE PERMANENT STRIPING AND SIGNING, WHERE APPLICABLE.

5. SAWCUT AND CONSTRUCT PROPOSED BARRATTS CHAPEL DECELERATION LANE AND PORTION OF ACCELERATION LANE, AS SHOWN, BETWEEN STATION 535+05 TO 549+40 TO THE TOP OF TYPE B HOT-MIX. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

6. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP OFF FROM STATION 497+81 TO 550+65, WHERE APPLICABLE. PLACE TEMPORARY STRIPING. CONTRACTOR SHALL NOT STRIPE THE LEFT OUT MOVEMENT FROM PROPOSED BARRATTS CHAPEL ROAD ONTO SR1 AND INSTALL NECESSARY "RIGHTS ONLY" SIGNING.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 351
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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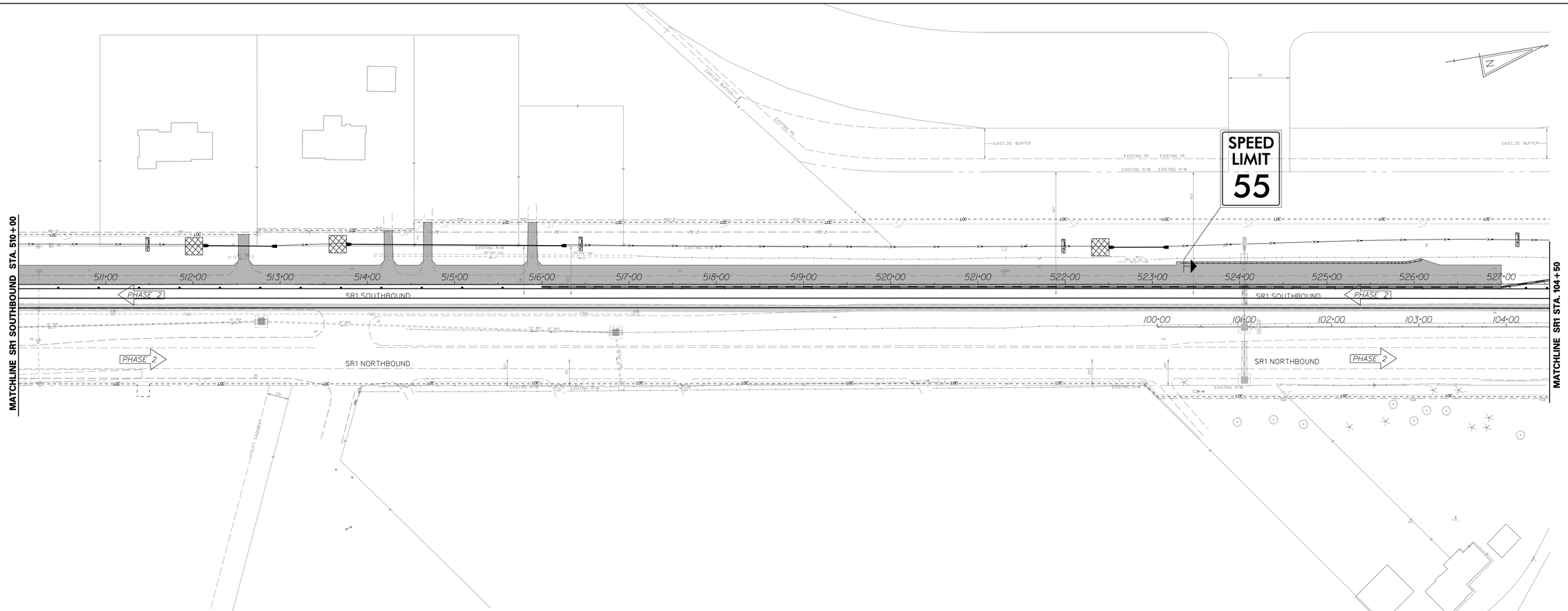


PHASE II

STAGE 7: (STATION 497+80 TO STATION 527+00, STATION 535+05 TO 549+40 & STATION 699+83 TO STATION 723+40)

1. UTILIZING TA-33 DURING OFF PEAK HOURS, SET TEMPORARY PCC BARRIER ALONG EXISTING SOUTHBOUND SR1 FROM STATION 516+00 TO 528+00 AND STATION 534+80 TO 550+40 OR AS DIRECTED BY THE ENGINEER. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 516+00 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION. PLACE TEMPORARY STRIPING FROM STATION 497+50 TO 550+40.

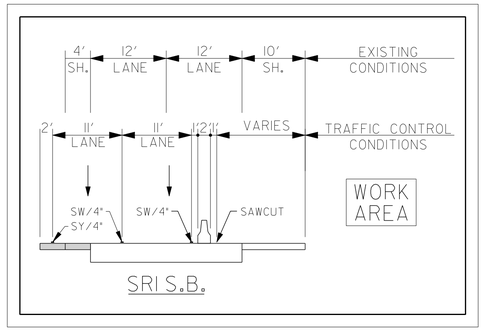
2. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 497+50 TO 528+00 ALONG SR1 AND PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN IN THIS STAGE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. SAWCUT AND CONSTRUCT THE PORTION OF THE PROPOSED AUXILIARY LANE SOUTH OF BARRATTS CHAPEL ROAD ON EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 528+00, UP TO THE TOP OF TYPE B HOT-MIX. INSTALL GUARDRAIL AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. INSTALL ITMS FEATURES.

4. CONSTRUCT THE PORTION OF PROPOSED BARRATTS CHAPEL ROAD SHOWN IN THIS STAGE TO FINAL GRADE. INSTALL UNDERGROUND TRAFFIC SIGNAL CONDUITS AND JUNCTION WELLS FOR FUTURE TRAFFIC SIGNAL AT PROPOSED BARRATTS CHAPEL ROAD AND PROPOSED CLAPHAM ROAD, WHERE APPLICABLE. UTILIZE TA-10 TO CONSTRUCT TIE INTO PHILIP BARRATT ROAD, AS SHOWN, TO THE TOP OF TYPE B HOT-MIX. PROPOSED BARRATTS CHAPEL ROAD SHALL BE BARRELED OFF UNTIL THIS STAGE IS COMPLETE. PLACE PERMANENT STRIPING AND SIGNING, WHERE APPLICABLE.

5. SAWCUT AND CONSTRUCT PROPOSED BARRATTS CHAPEL DECELERATION LANE AND PORTION OF ACCELERATION LANE, AS SHOWN, BETWEEN STATION 535+05 TO 549+40 TO THE TOP OF TYPE B HOT-MIX. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

6. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP OFF FROM STATION 497+81 TO 550+65, WHERE APPLICABLE. PLACE TEMPORARY STRIPING. CONTRACTOR SHALL NOT STRIPE THE LEFT OUT MOVEMENT FROM PROPOSED BARRATTS CHAPEL ROAD ONTO SR1 AND INSTALL NECESSARY "RIGHTS ONLY" SIGNING.



PHASE II: STAGE 7

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
352
TOTAL SHTS.
641

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 7

PHASE II

STAGE 7: (STATION 497+80 TO STATION 527+00, STATION 535+05 TO 549+40 & STATION 699+83 TO STATION 723+40)

1. UTILIZING TA-33 DURING OFF PEAK HOURS, SET TEMPORARY PCC BARRIER ALONG EXISTING SOUTHBOUND SR1 FROM STATION 516+00 TO 528+00 AND STATION 534+80 TO 550+40 OR AS DIRECTED BY THE ENGINEER. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 516+00 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION. PLACE TEMPORARY STRIPING FROM STATION 497+50 TO 550+40.

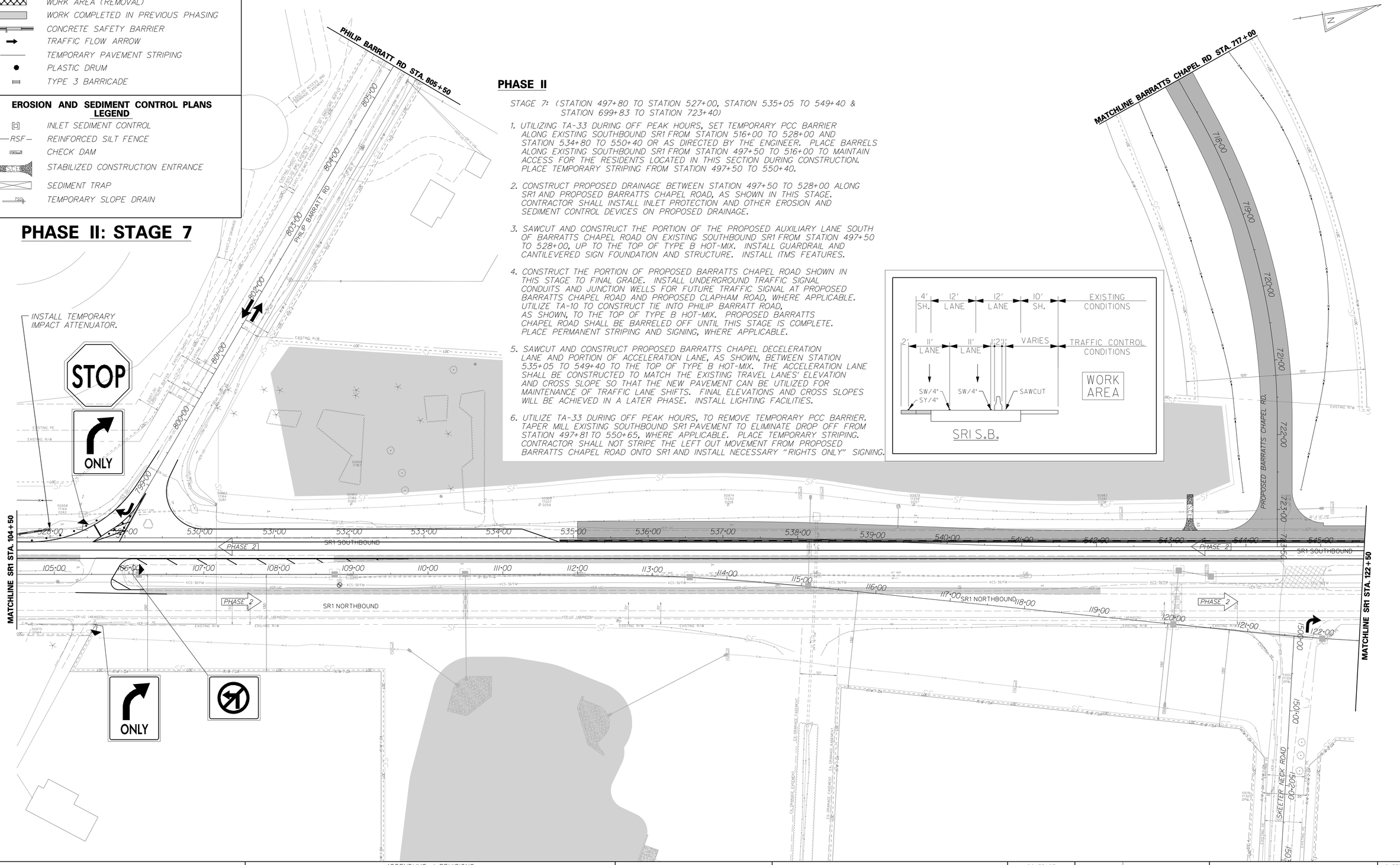
2. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 497+50 TO 528+00 ALONG SR1 AND PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN IN THIS STAGE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. SAWCUT AND CONSTRUCT THE PORTION OF THE PROPOSED AUXILIARY LANE SOUTH OF BARRATTS CHAPEL ROAD ON EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 528+00, UP TO THE TOP OF TYPE B HOT-MIX. INSTALL GUARDRAIL AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. INSTALL ITMS FEATURES.

4. CONSTRUCT THE PORTION OF PROPOSED BARRATTS CHAPEL ROAD SHOWN IN THIS STAGE TO FINAL GRADE. INSTALL UNDERGROUND TRAFFIC SIGNAL CONDUITS AND JUNCTION WELLS FOR FUTURE TRAFFIC SIGNAL AT PROPOSED BARRATTS CHAPEL ROAD AND PROPOSED CLAPHAM ROAD, WHERE APPLICABLE. UTILIZE TA-10 TO CONSTRUCT TIE INTO PHILIP BARRATT ROAD, AS SHOWN, TO THE TOP OF TYPE B HOT-MIX. PROPOSED BARRATTS CHAPEL ROAD SHALL BE BARRELED OFF UNTIL THIS STAGE IS COMPLETE. PLACE PERMANENT STRIPING AND SIGNING, WHERE APPLICABLE.

5. SAWCUT AND CONSTRUCT PROPOSED BARRATTS CHAPEL DECELERATION LANE AND PORTION OF ACCELERATION LANE, AS SHOWN, BETWEEN STATION 535+05 TO 549+40 TO THE TOP OF TYPE B HOT-MIX. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

6. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP OFF FROM STATION 497+81 TO 550+65, WHERE APPLICABLE. PLACE TEMPORARY STRIPING. CONTRACTOR SHALL NOT STRIPE THE LEFT OUT MOVEMENT FROM PROPOSED BARRATTS CHAPEL ROAD ONTO SR1 AND INSTALL NECESSARY "RIGHTS ONLY" SIGNING.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC
CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 353 / TOTAL SHTS. 641				

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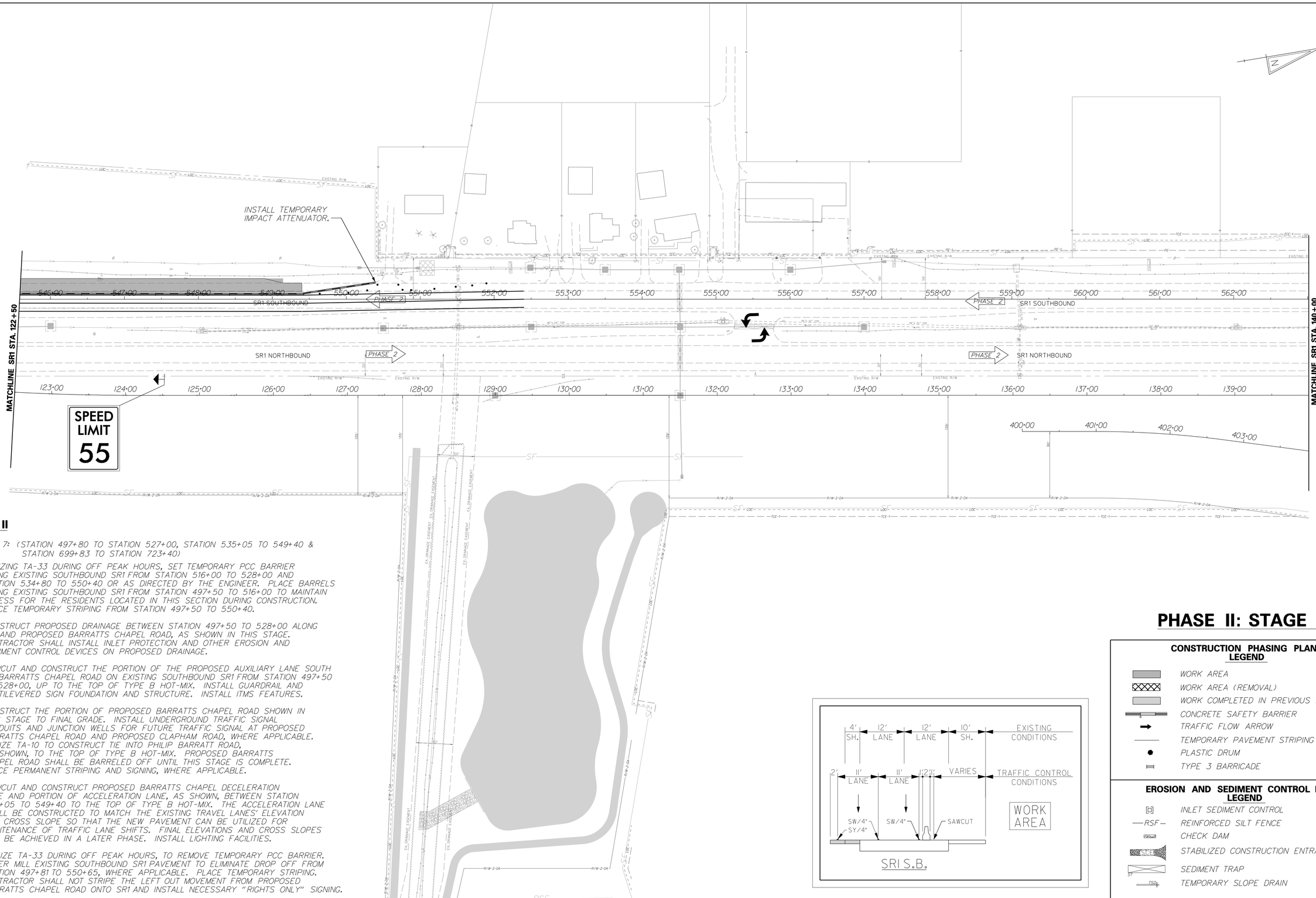

PHASE II

STAGE 7: (STATION 497+80 TO STATION 527+00, STATION 535+05 TO 549+40 & STATION 699+83 TO STATION 723+40)

1. UTILIZING TA-33 DURING OFF PEAK HOURS, SET TEMPORARY PCC BARRIER ALONG EXISTING SOUTHBOUND SR1 FROM STATION 516+00 TO 528+00 AND STATION 534+80 TO 550+40 OR AS DIRECTED BY THE ENGINEER. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 516+00 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION. PLACE TEMPORARY STRIPING FROM STATION 497+50 TO 550+40.

2. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 497+50 TO 528+00 ALONG SR1 AND PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN IN THIS STAGE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. SAWCUT AND CONSTRUCT THE PORTION OF THE PROPOSED AUXILIARY LANE SOUTH OF BARRATTS CHAPEL ROAD ON EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 528+00, UP TO THE TOP OF TYPE B HOT-MIX. INSTALL GUARDRAIL AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. INSTALL ITMS FEATURES.

4. CONSTRUCT THE PORTION OF PROPOSED BARRATTS CHAPEL ROAD SHOWN IN THIS STAGE TO FINAL GRADE. INSTALL UNDERGROUND TRAFFIC SIGNAL CONDUITS AND JUNCTION WELLS FOR FUTURE TRAFFIC SIGNAL AT PROPOSED BARRATTS CHAPEL ROAD AND PROPOSED CLAPHAM ROAD, WHERE APPLICABLE. UTILIZE TA-10 TO CONSTRUCT TIE INTO PHILIP BARRATT ROAD, AS SHOWN, TO THE TOP OF TYPE B HOT-MIX. PROPOSED BARRATTS CHAPEL ROAD SHALL BE BARRELED OFF UNTIL THIS STAGE IS COMPLETE. PLACE PERMANENT STRIPING AND SIGNING, WHERE APPLICABLE.

5. SAWCUT AND CONSTRUCT PROPOSED BARRATTS CHAPEL DECELERATION LANE AND PORTION OF ACCELERATION LANE, AS SHOWN, BETWEEN STATION 535+05 TO 549+40 TO THE TOP OF TYPE B HOT-MIX. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

6. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP OFF FROM STATION 497+81 TO 550+65, WHERE APPLICABLE. PLACE TEMPORARY STRIPING. CONTRACTOR SHALL NOT STRIPE THE LEFT OUT MOVEMENT FROM PROPOSED BARRATTS CHAPEL ROAD ONTO SR1 AND INSTALL NECESSARY "RIGHTS ONLY" SIGNING.

PHASE II: STAGE 7

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 354 / TOTAL SHTS. 641

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SEDIMENT TRAP SCHEDULE							
NO.	D.A.	VOL. PROVIDED	LENGTH	WIDTH	BOTTOM EL.	WIER CREST EL.	CLEAN OUT EL.
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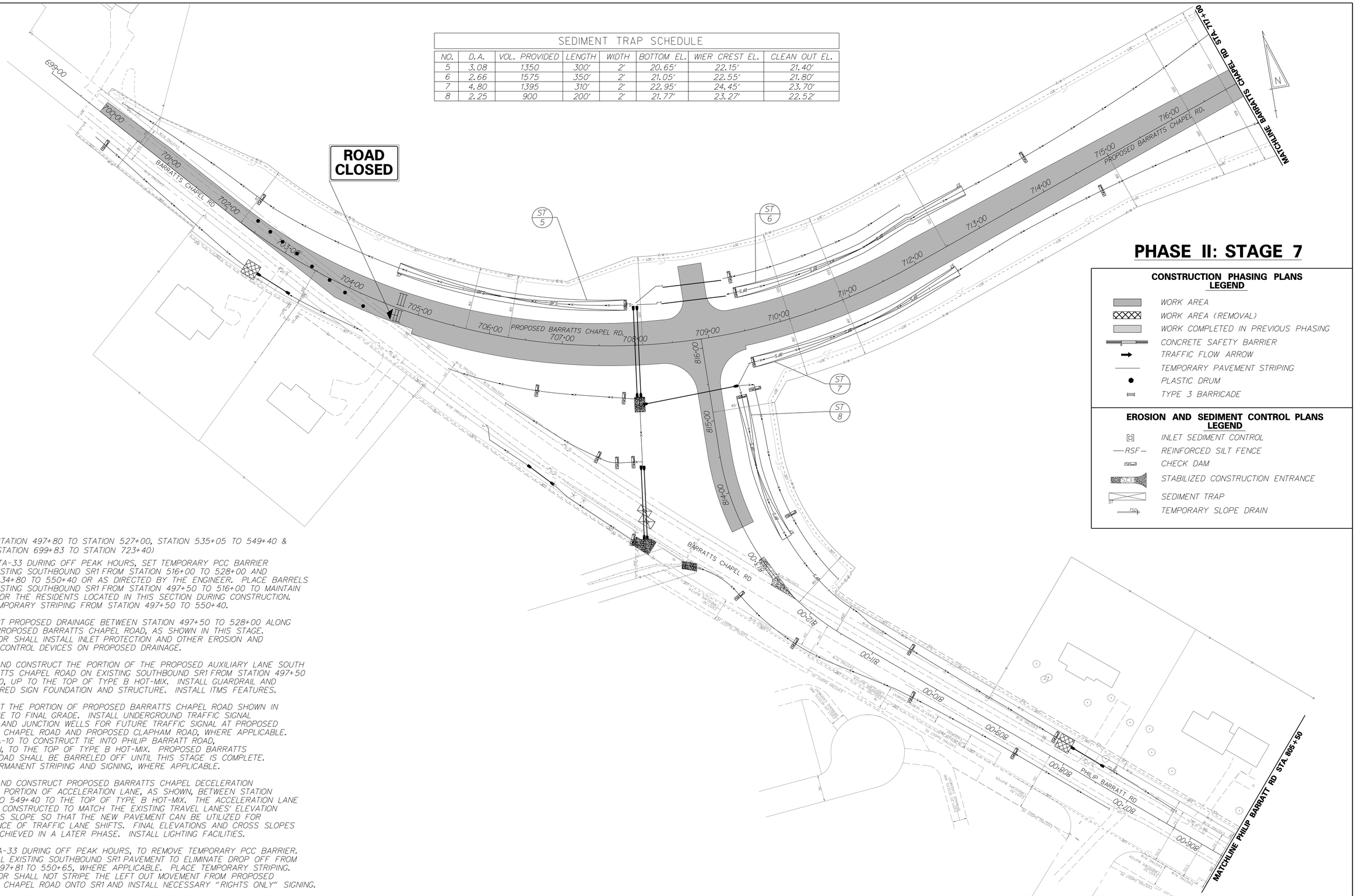
6	2.66	1575	350'	2'	21.05'	22.55'	21.80'
7	4.80	1395	310'	2'	22.95'	24.45'	23.70'
8	2.25	900	200'	2'	21.77'	23.27'	22.52'



PHASE II: STAGE 7

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II

STAGE 7: (STATION 497+80 TO STATION 527+00, STATION 535+05 TO 549+40 & STATION 699+83 TO STATION 723+40)

1. UTILIZING TA-33 DURING OFF PEAK HOURS, SET TEMPORARY PCC BARRIER ALONG EXISTING SOUTHBOUND SR1 FROM STATION 516+00 TO 528+00 AND STATION 534+80 TO 550+40 OR AS DIRECTED BY THE ENGINEER. PLACE BARRELS ALONG EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 516+00 TO MAINTAIN ACCESS FOR THE RESIDENTS LOCATED IN THIS SECTION DURING CONSTRUCTION. PLACE TEMPORARY STRIPING FROM STATION 497+50 TO 550+40.

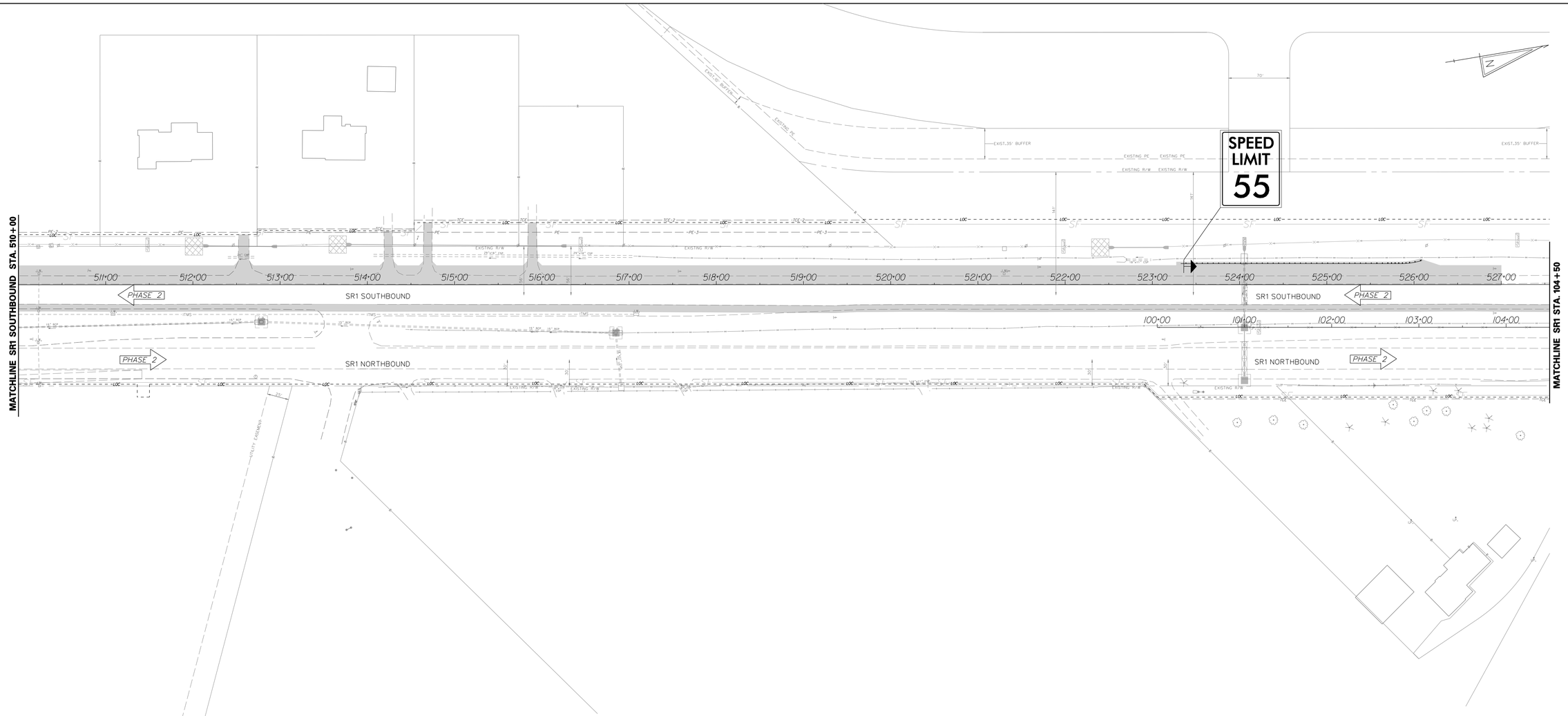
2. CONSTRUCT PROPOSED DRAINAGE BETWEEN STATION 497+50 TO 528+00 ALONG SR1 AND PROPOSED BARRATTS CHAPEL ROAD, AS SHOWN IN THIS STAGE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

3. SAWCUT AND CONSTRUCT THE PORTION OF THE PROPOSED AUXILIARY LANE SOUTH OF BARRATTS CHAPEL ROAD ON EXISTING SOUTHBOUND SR1 FROM STATION 497+50 TO 528+00, UP TO THE TOP OF TYPE B HOT-MIX. INSTALL GUARDRAIL AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. INSTALL ITMS FEATURES.

4. CONSTRUCT THE PORTION OF PROPOSED BARRATTS CHAPEL ROAD SHOWN IN THIS STAGE TO FINAL GRADE. INSTALL UNDERGROUND TRAFFIC SIGNAL CONDUITS AND JUNCTION WELLS FOR FUTURE TRAFFIC SIGNAL AT PROPOSED BARRATTS CHAPEL ROAD AND PROPOSED CLAPHAM ROAD, WHERE APPLICABLE. UTILIZE TA-10 TO CONSTRUCT TIE INTO PHILIP BARRATT ROAD, AS SHOWN, TO THE TOP OF TYPE B HOT-MIX. PROPOSED BARRATTS CHAPEL ROAD SHALL BE BARRELED OFF UNTIL THIS STAGE IS COMPLETE. PLACE PERMANENT STRIPING AND SIGNING, WHERE APPLICABLE.

5. SAWCUT AND CONSTRUCT PROPOSED BARRATTS CHAPEL DECELERATION LANE AND PORTION OF ACCELERATION LANE, AS SHOWN, BETWEEN STATION 535+05 TO 549+40 TO THE TOP OF TYPE B HOT-MIX. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES.

6. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP OFF FROM STATION 497+81 TO 550+65, WHERE APPLICABLE. PLACE TEMPORARY STRIPING. CONTRACTOR SHALL NOT STRIPE THE LEFT OUT MOVEMENT FROM PROPOSED BARRATTS CHAPEL ROAD ONTO SR1 AND INSTALL NECESSARY "RIGHTS ONLY" SIGNING.



PHASE II: STAGE 8

PHASE II

STAGE 8: (STATION 699+83 TO STATION 811+00 - BARRATTS CHAPEL ROAD TIE-INS)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT PHILIP BARRATT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
2. OPEN PROPOSED BARRATTS CHAPEL ROAD TO TRAFFIC. WEDGE TRANSITION ONTO EXISTING BARRATTS CHAPEL ROAD WITH TYPE C HOT-MIX TO ACHIEVE SUPER ELEVATED FINAL GRADES. CLOSE PORTION OF PHILIP BARRATT ROAD FOR CONSTRUCTION, AS SHOWN.
3. CONSTRUCT TIE-INS OF PROPOSED BARRATTS CHAPEL ROAD AND REMOVE EXISTING PAVEMENT, AS SHOWN.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 356
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

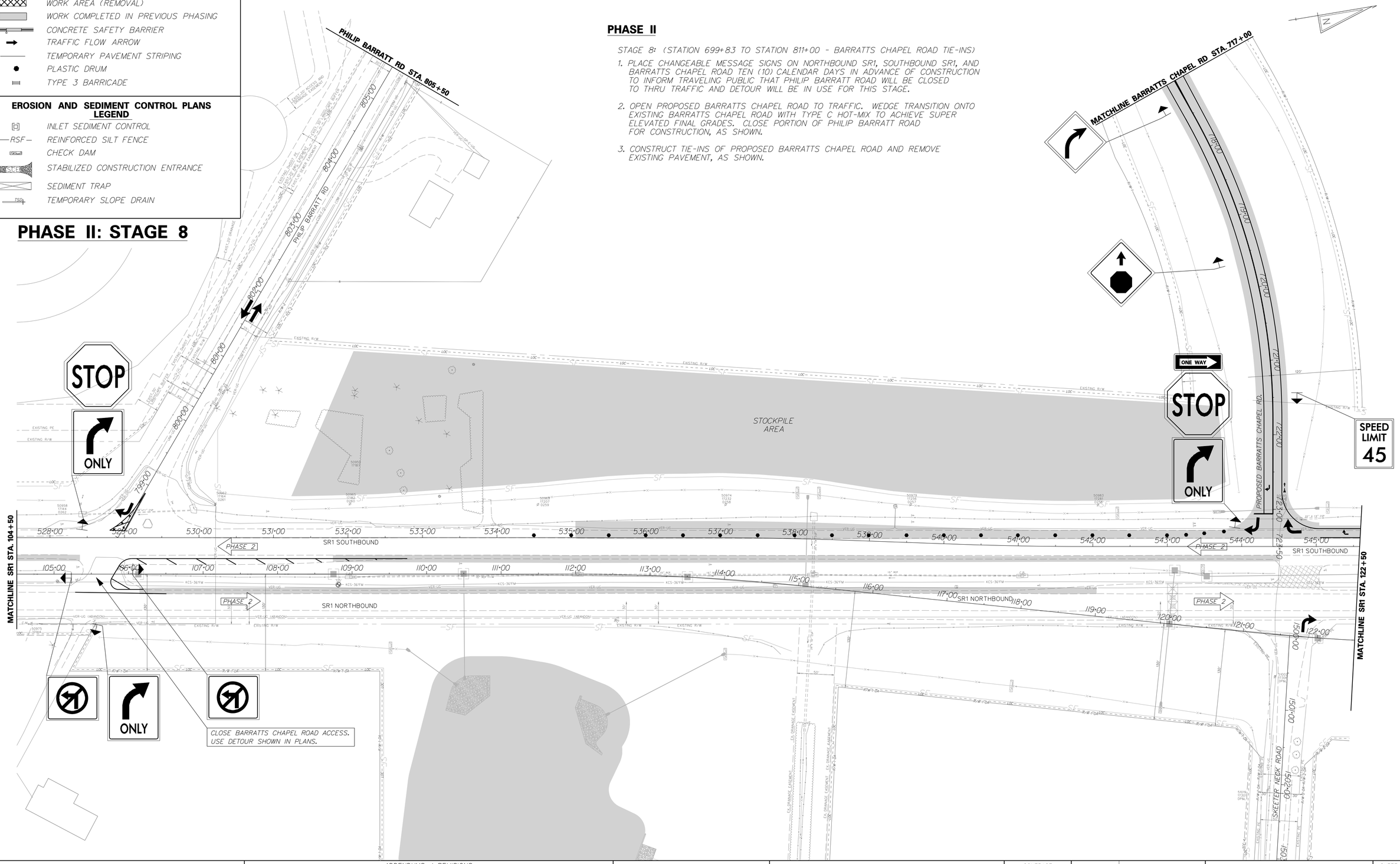
- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 8

PHASE II

STAGE 8: (STATION 699+83 TO STATION 811+00 - BARRATTS CHAPEL ROAD TIE-INS)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT PHILIP BARRATT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
2. OPEN PROPOSED BARRATTS CHAPEL ROAD TO TRAFFIC. WEDGE TRANSITION ONTO EXISTING BARRATTS CHAPEL ROAD WITH TYPE C HOT-MIX TO ACHIEVE SUPER ELEVATED FINAL GRADES. CLOSE PORTION OF PHILIP BARRATT ROAD FOR CONSTRUCTION, AS SHOWN.
3. CONSTRUCT TIE-INS OF PROPOSED BARRATTS CHAPEL ROAD AND REMOVE EXISTING PAVEMENT, AS SHOWN.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 357 / TOTAL SHTS. 641

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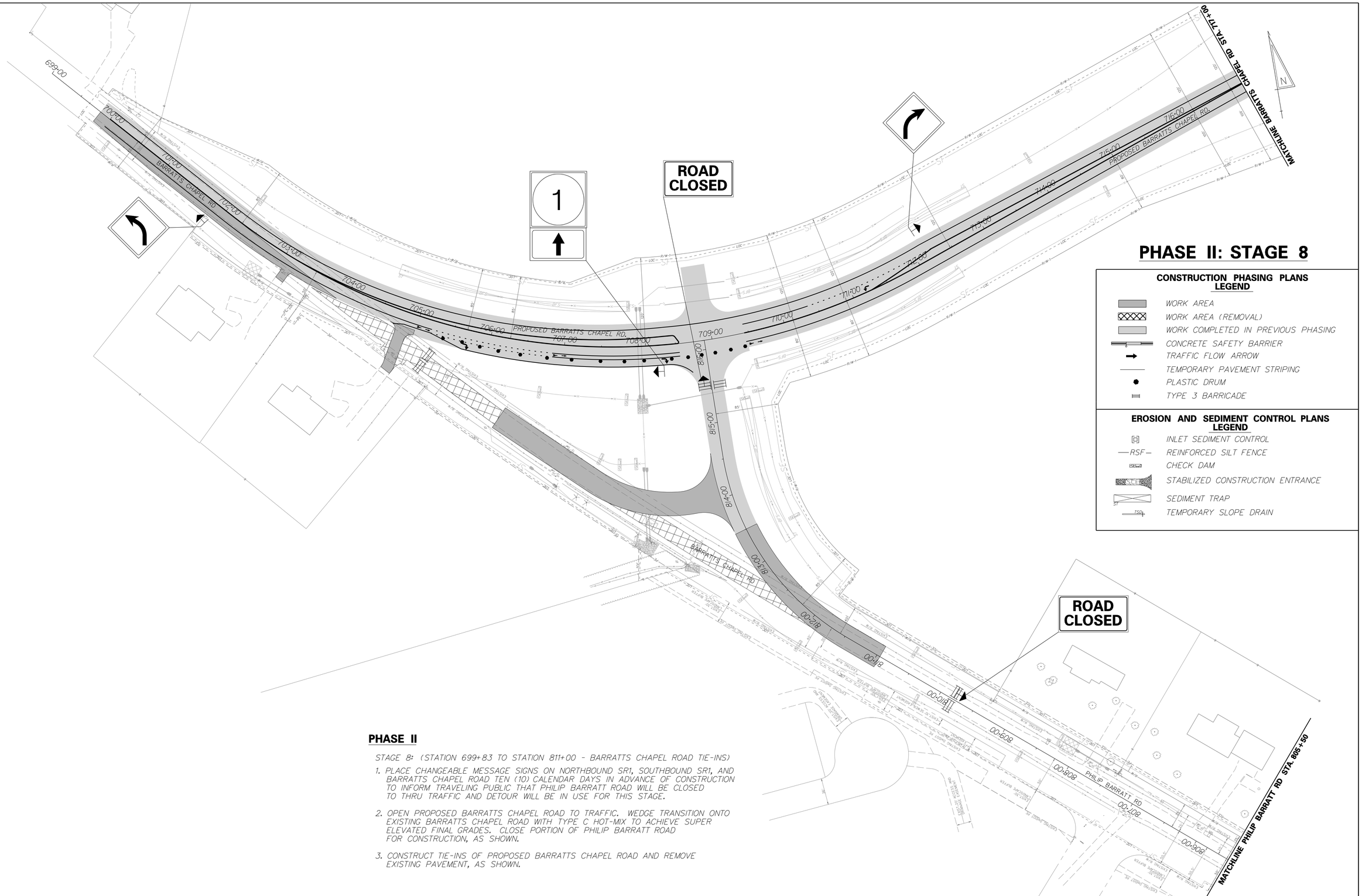

PHASE II: STAGE 8

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II

STAGE 8: (STATION 699+83 TO STATION 811+00 - BARRATTS CHAPEL ROAD TIE-INS)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT PHILIP BARRATT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
2. OPEN PROPOSED BARRATTS CHAPEL ROAD TO TRAFFIC. WEDGE TRANSITION ONTO EXISTING BARRATTS CHAPEL ROAD WITH TYPE C HOT-MIX TO ACHIEVE SUPER ELEVATED FINAL GRADES. CLOSE PORTION OF PHILIP BARRATT ROAD FOR CONSTRUCTION, AS SHOWN.
3. CONSTRUCT TIE-INS OF PROPOSED BARRATTS CHAPEL ROAD AND REMOVE EXISTING PAVEMENT, AS SHOWN.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

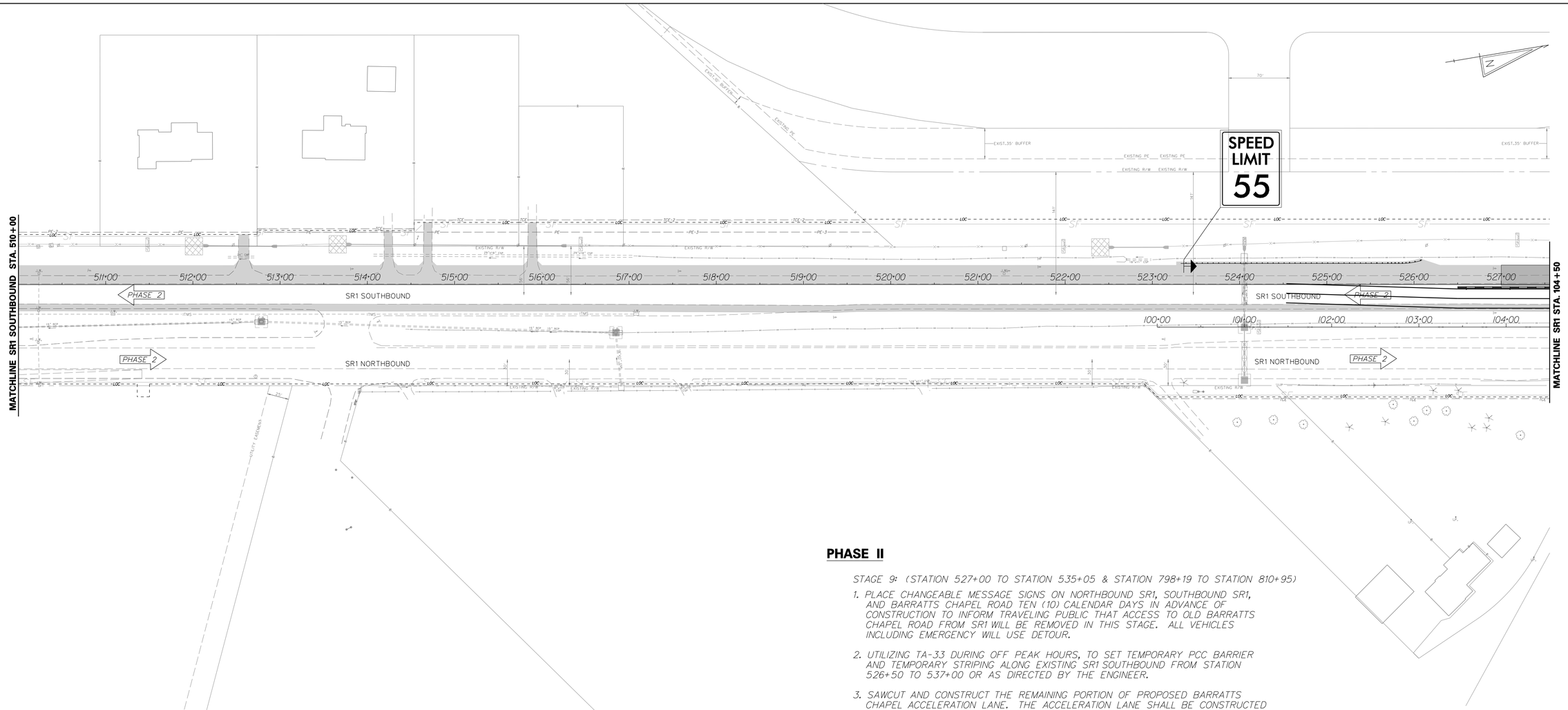
SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
358
TOTAL SHTS.
641



PHASE II

STAGE 9: (STATION 527+00 TO STATION 535+05 & STATION 798+19 TO STATION 810+95)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT ACCESS TO OLD BARRATTS CHAPEL ROAD FROM SR1 WILL BE REMOVED IN THIS STAGE. ALL VEHICLES INCLUDING EMERGENCY WILL USE DETOUR.

2. UTILIZING TA-33 DURING OFF PEAK HOURS, TO SET TEMPORARY PCC BARRIER AND TEMPORARY STRIPING ALONG EXISTING SR1 SOUTHBOUND FROM STATION 526+50 TO 537+00 OR AS DIRECTED BY THE ENGINEER.

3. SAWCUT AND CONSTRUCT THE REMAINING PORTION OF PROPOSED BARRATTS CHAPEL ACCELERATION LANE. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES AND ITMS FEATURES.

4. COMPLETE CONSTRUCTING PROPOSED DRAINAGE ON PHILIP BARRATT ROAD, AS SHOWN IN THIS STAGE. BLOCK THE UPSTREAM END OF THE EXISTING PIPE CROSSING OLD BARRATS CHAPEL ROAD AT STATION 798+57 AND FILL PIPE WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

5. UTILIZE TA-10 ON BARRATTS CHAPEL ROAD TO MILL AND OVERLAY THE EXISTING PAVEMENT WITH 3" TYPE C HOT-MIX TO FINAL GRADE BETWEEN STATION 798+19 TO STATION 810+95. CONSTRUCT TURN AROUND AT STATION 799+25. PLACE PERMANENT STRIPING AND SIGNING.

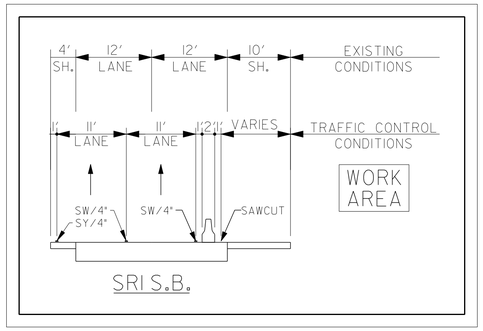
6. INSTALL SECURITY GATE TO ALLOW ACCESS TO EMERGENCY VEHICLES ONLY.

7. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP-OFF, WHERE NECESSARY. PLACE TEMPORARY STRIPING.

8. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL, PERMANENT SEEDING AND MULCH BLANKET ON ALL AREAS IN FINAL CONDITIONS OR DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FINAL SIGNAGE WITH STATE FORCES PRIOR TO PROCEEDING TO THE NEXT PHASE, WHERE APPLICABLE. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SIGNAGE UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

10. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL SYSTEMS STILL REMAINING IN THIS PHASE PER THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.



PHASE II: STAGE 9

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 359 / TOTAL SHTS. 641

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

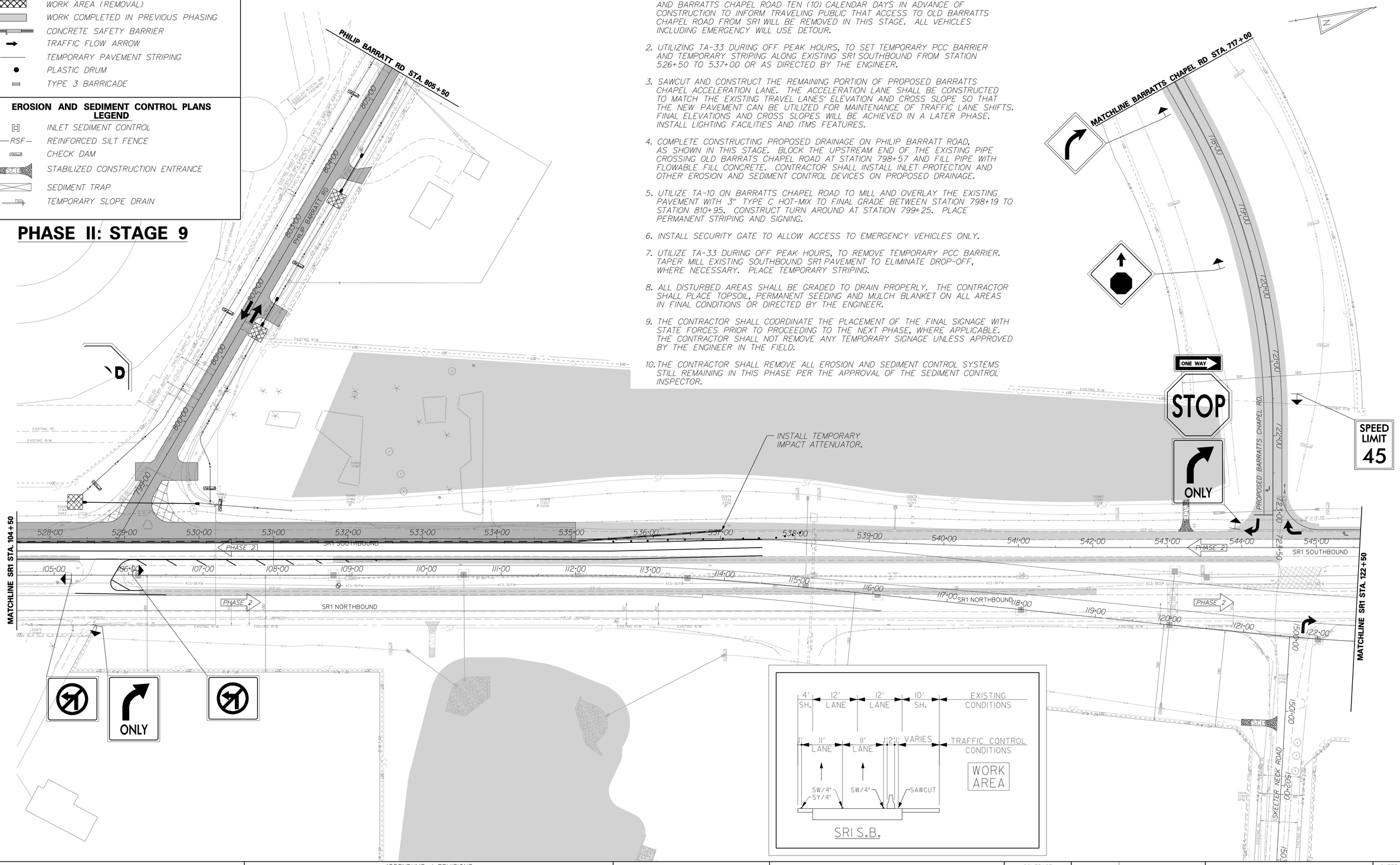
- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II: STAGE 9

PHASE II

STAGE 9: (STATION 527+00 TO STATION 535+05 & STATION 798+19 TO STATION 810+95)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT ACCESS TO OLD BARRATTS CHAPEL ROAD FROM SR1 WILL BE REMOVED IN THIS STAGE. ALL VEHICLES INCLUDING EMERGENCY WILL USE DETOUR.
2. UTILIZING TA-33 DURING OFF PEAK HOURS, TO SET TEMPORARY PCC BARRIER AND TEMPORARY STRIPING ALONG EXISTING SR1 SOUTHBOUND FROM STATION 526+50 TO 537+00 OR AS DIRECTED BY THE ENGINEER.
3. SAWCUT AND CONSTRUCT THE REMAINING PORTION OF PROPOSED BARRATTS CHAPEL ACCELERATION LANE. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES AND ITMS FEATURES.
4. COMPLETE CONSTRUCTING PROPOSED DRAINAGE ON PHILIP BARRATT ROAD, AS SHOWN IN THIS STAGE. BLOCK THE UPSTREAM END OF THE EXISTING PIPE CROSSING OLD BARRATS CHAPEL ROAD AT STATION 798+57 AND FILL PIPE WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
5. UTILIZE TA-10 ON BARRATTS CHAPEL ROAD TO MILL AND OVERLAY THE EXISTING PAVEMENT WITH 3" TYPE C HOT-MIX TO FINAL GRADE BETWEEN STATION 798+19 TO STATION 810+95. CONSTRUCT TURN AROUND AT STATION 799+25. PLACE PERMANENT STRIPING AND SIGNING.
6. INSTALL SECURITY GATE TO ALLOW ACCESS TO EMERGENCY VEHICLES ONLY.
7. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP-OFF, WHERE NECESSARY. PLACE TEMPORARY STRIPING.
8. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL, PERMANENT SEEDING AND MULCH BLANKET ON ALL AREAS IN FINAL CONDITIONS OR DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FINAL SIGNAGE WITH STATE FORCES PRIOR TO PROCEEDING TO THE NEXT PHASE, WHERE APPLICABLE. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SIGNAGE UNLESS APPROVED BY THE ENGINEER IN THE FIELD.
10. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL SYSTEMS STILL REMAINING IN THIS PHASE PER THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC
CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 360 / TOTAL SHTS. 641				

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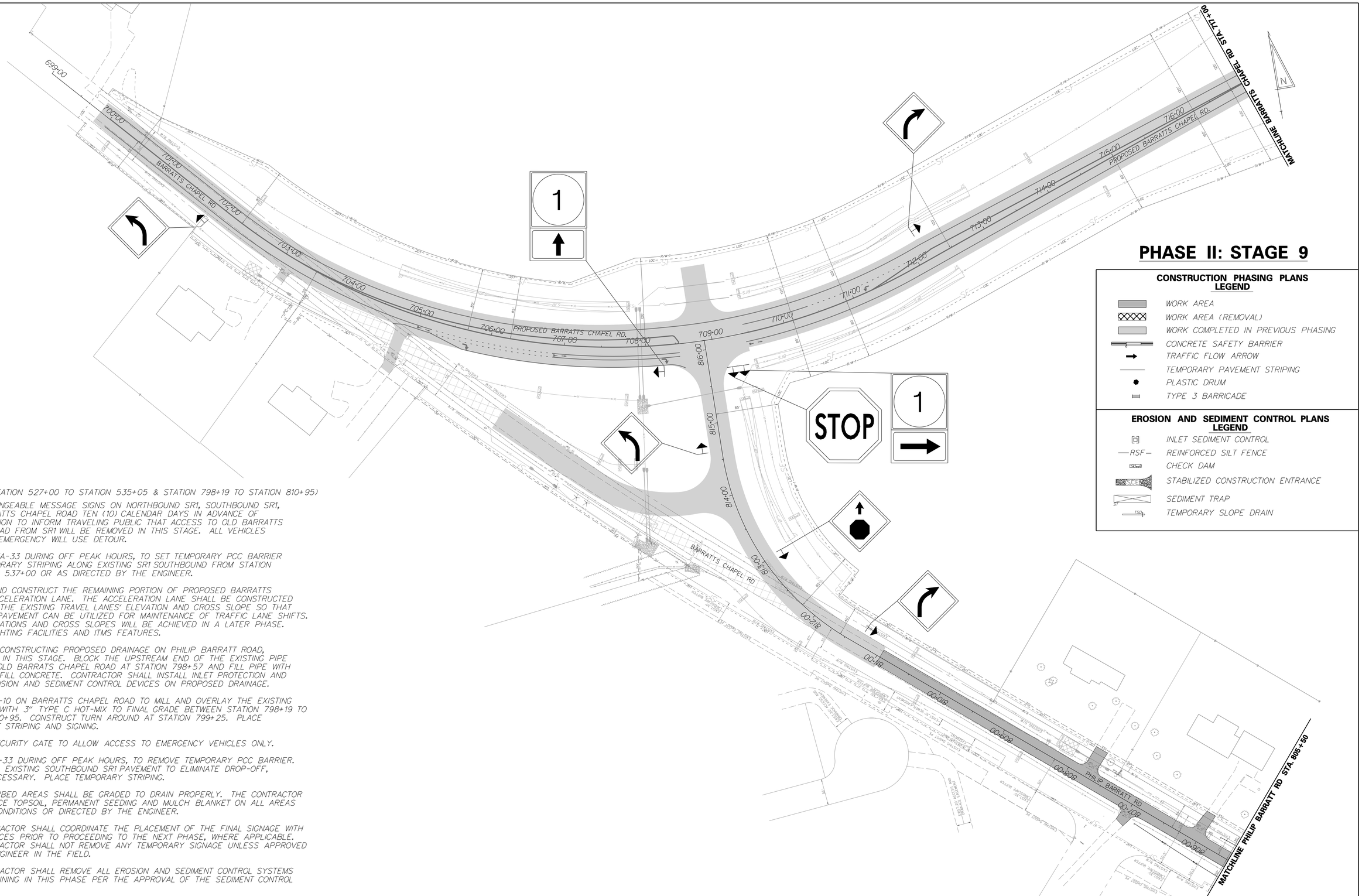

PHASE II: STAGE 9

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE II

STAGE 9: (STATION 527+00 TO STATION 535+05 & STATION 798+19 TO STATION 810+95)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BARRATTS CHAPEL ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT ACCESS TO OLD BARRATTS CHAPEL ROAD FROM SR1 WILL BE REMOVED IN THIS STAGE. ALL VEHICLES INCLUDING EMERGENCY WILL USE DETOUR.

2. UTILIZING TA-33 DURING OFF PEAK HOURS, TO SET TEMPORARY PCC BARRIER AND TEMPORARY STRIPING ALONG EXISTING SR1 SOUTHBOUND FROM STATION 526+50 TO 537+00 OR AS DIRECTED BY THE ENGINEER.

3. SAWCUT AND CONSTRUCT THE REMAINING PORTION OF PROPOSED BARRATTS CHAPEL ACCELERATION LANE. THE ACCELERATION LANE SHALL BE CONSTRUCTED TO MATCH THE EXISTING TRAVEL LANES' ELEVATION AND CROSS SLOPE SO THAT THE NEW PAVEMENT CAN BE UTILIZED FOR MAINTENANCE OF TRAFFIC LANE SHIFTS. FINAL ELEVATIONS AND CROSS SLOPES WILL BE ACHIEVED IN A LATER PHASE. INSTALL LIGHTING FACILITIES AND ITMS FEATURES.

4. COMPLETE CONSTRUCTING PROPOSED DRAINAGE ON PHILIP BARRATT ROAD, AS SHOWN IN THIS STAGE. BLOCK THE UPSTREAM END OF THE EXISTING PIPE CROSSING OLD BARRATS CHAPEL ROAD AT STATION 798+57 AND FILL PIPE WITH FLOWABLE FILL CONCRETE. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

5. UTILIZE TA-10 ON BARRATTS CHAPEL ROAD TO MILL AND OVERLAY THE EXISTING PAVEMENT WITH 3" TYPE C HOT-MIX TO FINAL GRADE BETWEEN STATION 798+19 TO STATION 810+95. CONSTRUCT TURN AROUND AT STATION 799+25. PLACE PERMANENT STRIPING AND SIGNING.

6. INSTALL SECURITY GATE TO ALLOW ACCESS TO EMERGENCY VEHICLES ONLY.

7. UTILIZE TA-33 DURING OFF PEAK HOURS, TO REMOVE TEMPORARY PCC BARRIER. TAPER MILL EXISTING SOUTHBOUND SR1 PAVEMENT TO ELIMINATE DROP-OFF, WHERE NECESSARY. PLACE TEMPORARY STRIPING.

8. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL, PERMANENT SEEDING AND MULCH BLANKET ON ALL AREAS IN FINAL CONDITIONS OR DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FINAL SIGNAGE WITH STATE FORCES PRIOR TO PROCEEDING TO THE NEXT PHASE, WHERE APPLICABLE. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SIGNAGE UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

10. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL SYSTEMS STILL REMAINING IN THIS PHASE PER THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.

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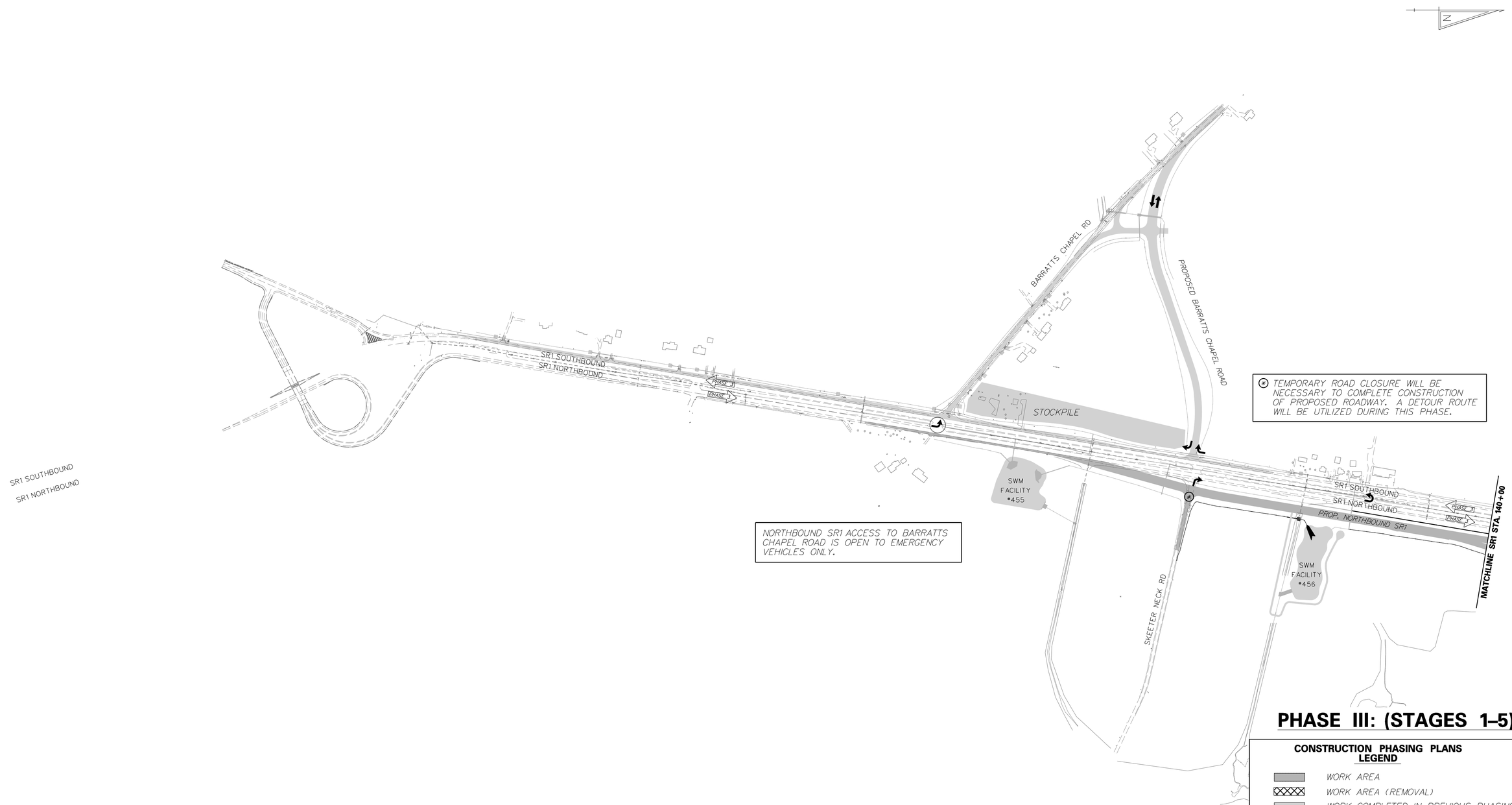
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 361
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		



* TEMPORARY ROAD CLOSURE WILL BE NECESSARY TO COMPLETE CONSTRUCTION OF PROPOSED ROADWAY. A DETOUR ROUTE WILL BE UTILIZED DURING THIS PHASE.

NORTHBOUND SR1 ACCESS TO BARRATTS CHAPEL ROAD IS OPEN TO EMERGENCY VEHICLES ONLY.

PHASE III: (STAGES 1–5)

CONSTRUCTION PHASING PLANS
LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- PHASE 2-WAY SR1 TRAFFIC FLOW ARROW

* SEE 60 SCALE PLANS FOR STAGING

EROSION AND SEDIMENT CONTROL PLANS
LEGEND

* SEE 60 SCALE PLANS FOR STAGING

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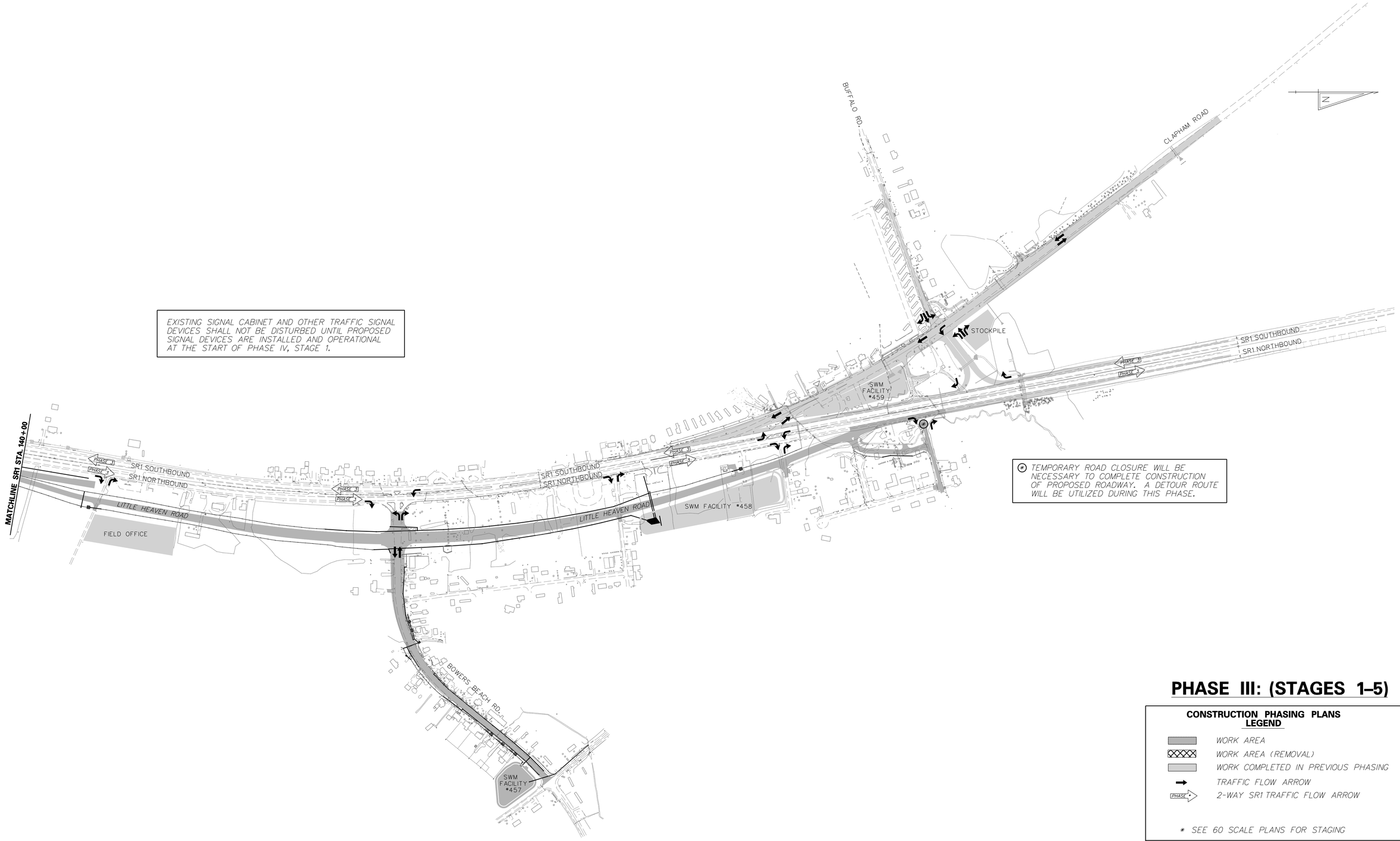
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 300 600 900 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 362
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

EXISTING SIGNAL CABINET AND OTHER TRAFFIC SIGNAL DEVICES SHALL NOT BE DISTURBED UNTIL PROPOSED SIGNAL DEVICES ARE INSTALLED AND OPERATIONAL AT THE START OF PHASE IV, STAGE 1.



* TEMPORARY ROAD CLOSURE WILL BE NECESSARY TO COMPLETE CONSTRUCTION OF PROPOSED ROADWAY. A DETOUR ROUTE WILL BE UTILIZED DURING THIS PHASE.

PHASE III: (STAGES 1–5)

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- 2-WAY SR1 TRAFFIC FLOW ARROW

* SEE 60 SCALE PLANS FOR STAGING

EROSION AND SEDIMENT CONTROL PLANS LEGEND

* SEE 60 SCALE PLANS FOR STAGING

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 300 600 900 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 363
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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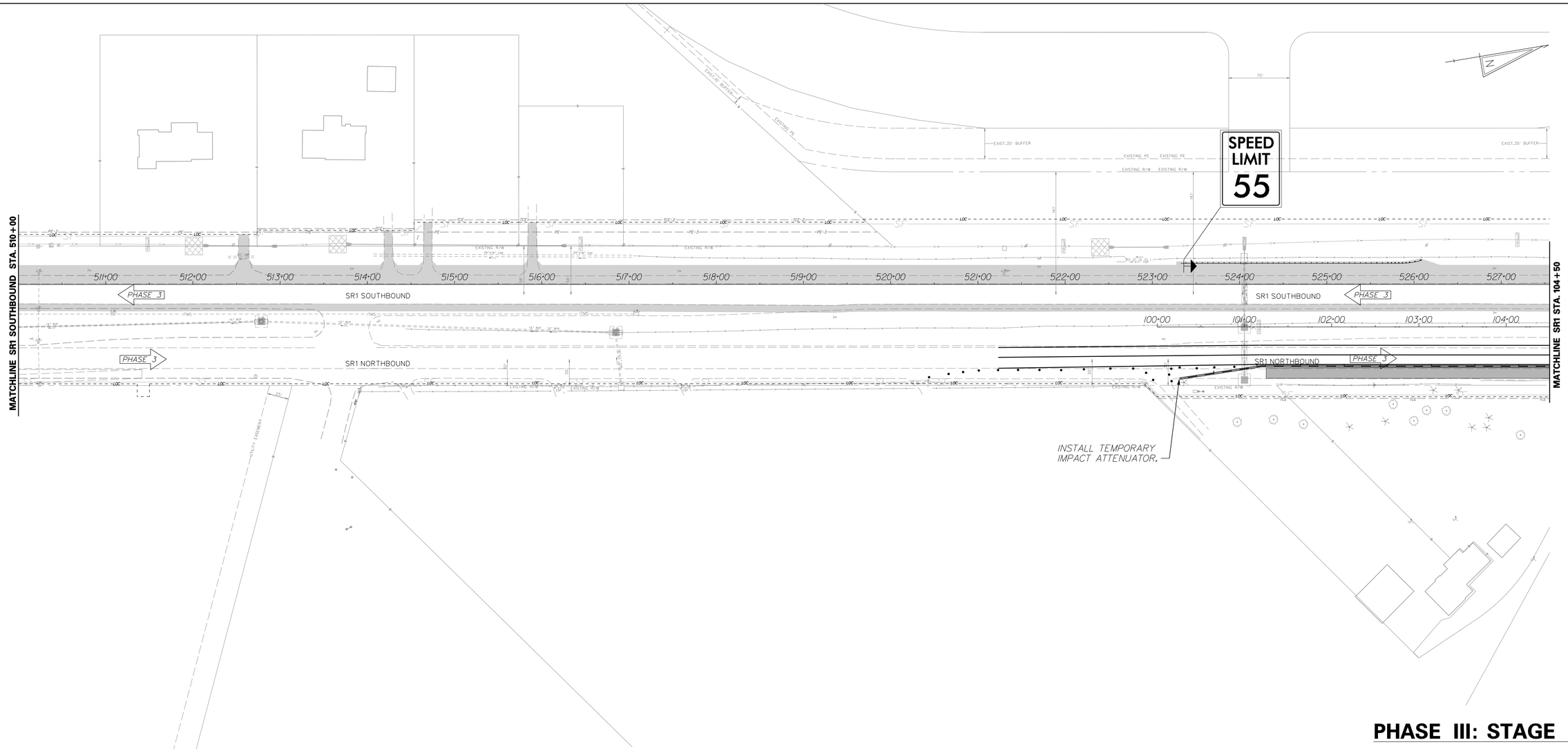
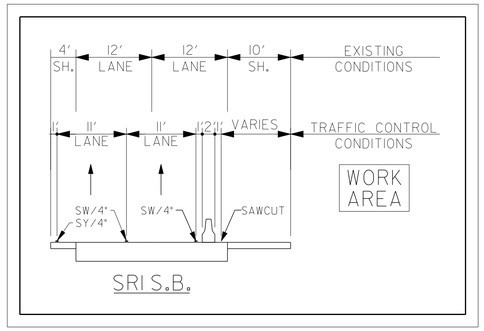


PHASE III: STAGE 1

PHASE III

STAGE 1: (STATION 101+25 TO STATION 122+25)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1 AND SKEETER NECK ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT SKEETER NECK ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
2. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE OF EXISTING SR1 NORTHBOUND FROM STATION 100+20 TO 122+25 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING SKEETER NECK ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.
3. REGRADE DRAINAGE FACILITIES FOR THIS PORTION OF WORK TO FINAL GRADES. CONTRACTOR SHALL RESTORE ANY EROSION AND SEDIMENT CONTROL DEVICES DISTURBED IN THIS OPERATION.
4. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 BETWEEN STATION 101+25 TO 122+24. COMPLETE TIE-IN CONSTRUCTION TO EXISTING NORTHBOUND SR1 TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT SKEETER NECK ROAD ACCESS TO PROPOSED NORTHBOUND SR1 FULL DEPTH PAVEMENT. INSTALL GUARDRAIL, ITMS FEATURES, AND LIGHTING FACILITIES WITHIN THESE LIMITS.



CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 364
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

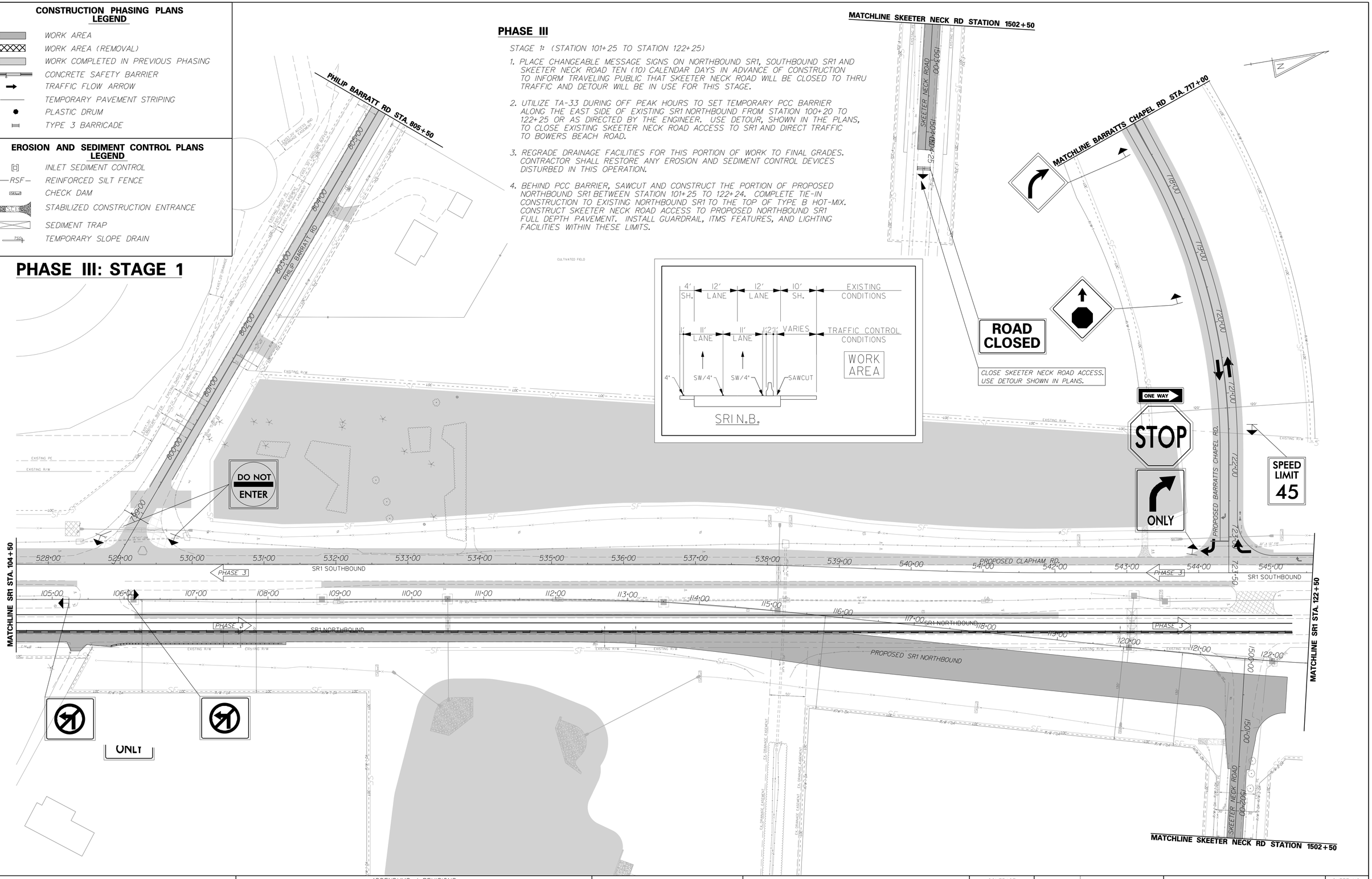
- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE III: STAGE 1

PHASE III

STAGE 1: (STATION 101+25 TO STATION 122+25)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1 AND SKEETER NECK ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT SKEETER NECK ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
2. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE OF EXISTING SR1 NORTHBOUND FROM STATION 100+20 TO 122+25 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING SKEETER NECK ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.
3. REGRADE DRAINAGE FACILITIES FOR THIS PORTION OF WORK TO FINAL GRADES. CONTRACTOR SHALL RESTORE ANY EROSION AND SEDIMENT CONTROL DEVICES DISTURBED IN THIS OPERATION.
4. BEHIND PCC BARRIER, SAWCUT AND CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 BETWEEN STATION 101+25 TO 122+24. COMPLETE TIE-IN CONSTRUCTION TO EXISTING NORTHBOUND SR1 TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT SKEETER NECK ROAD ACCESS TO PROPOSED NORTHBOUND SR1 FULL DEPTH PAVEMENT. INSTALL GUARDRAIL, ITMS FEATURES, AND LIGHTING FACILITIES WITHIN THESE LIMITS.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 365 / TOTAL SHTS. 641

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CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

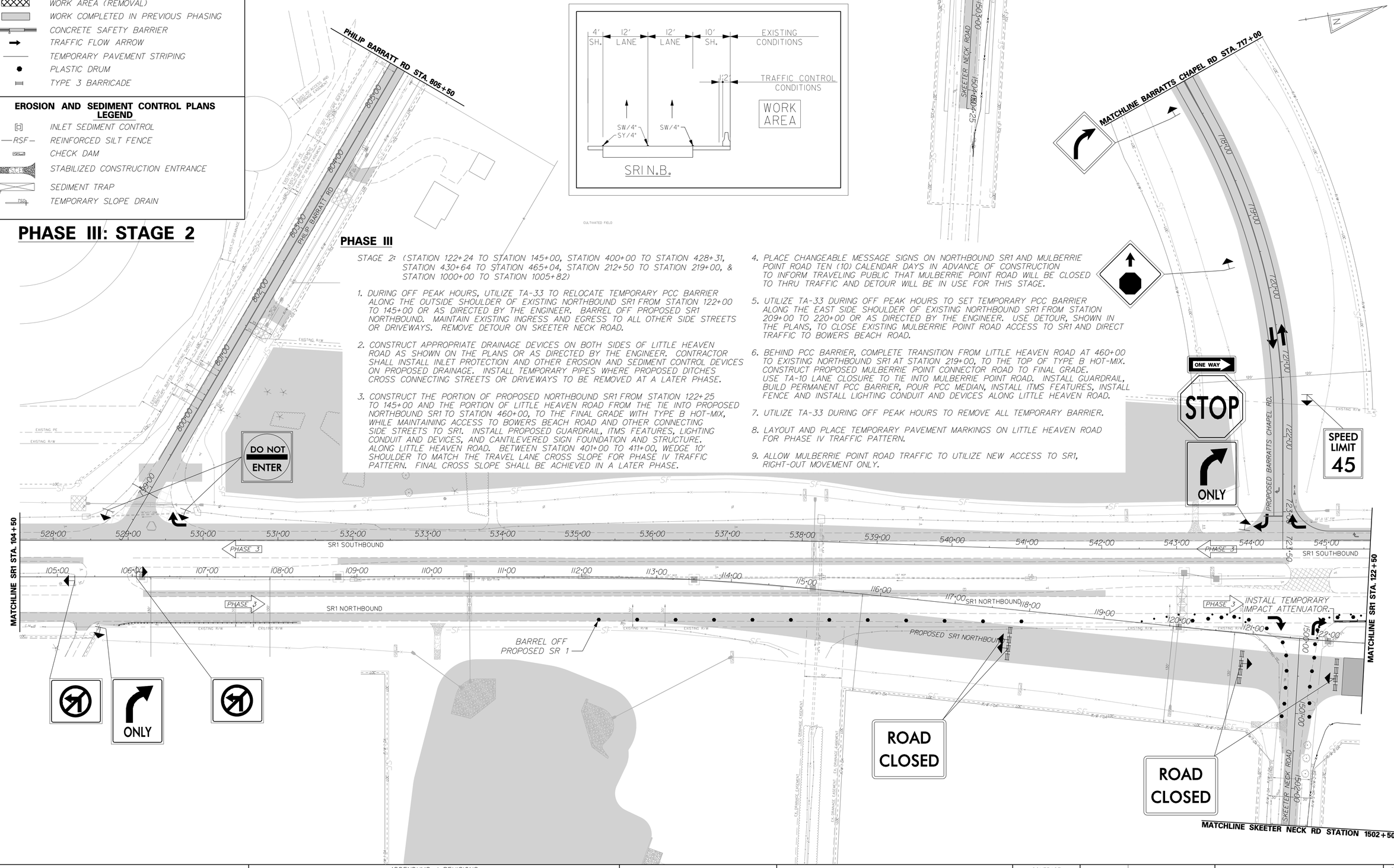
- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

PHASE III: STAGE 2

PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.
2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.
3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.
4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.
6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.
7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.
8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.
9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 366 / TOTAL SHTS. 641

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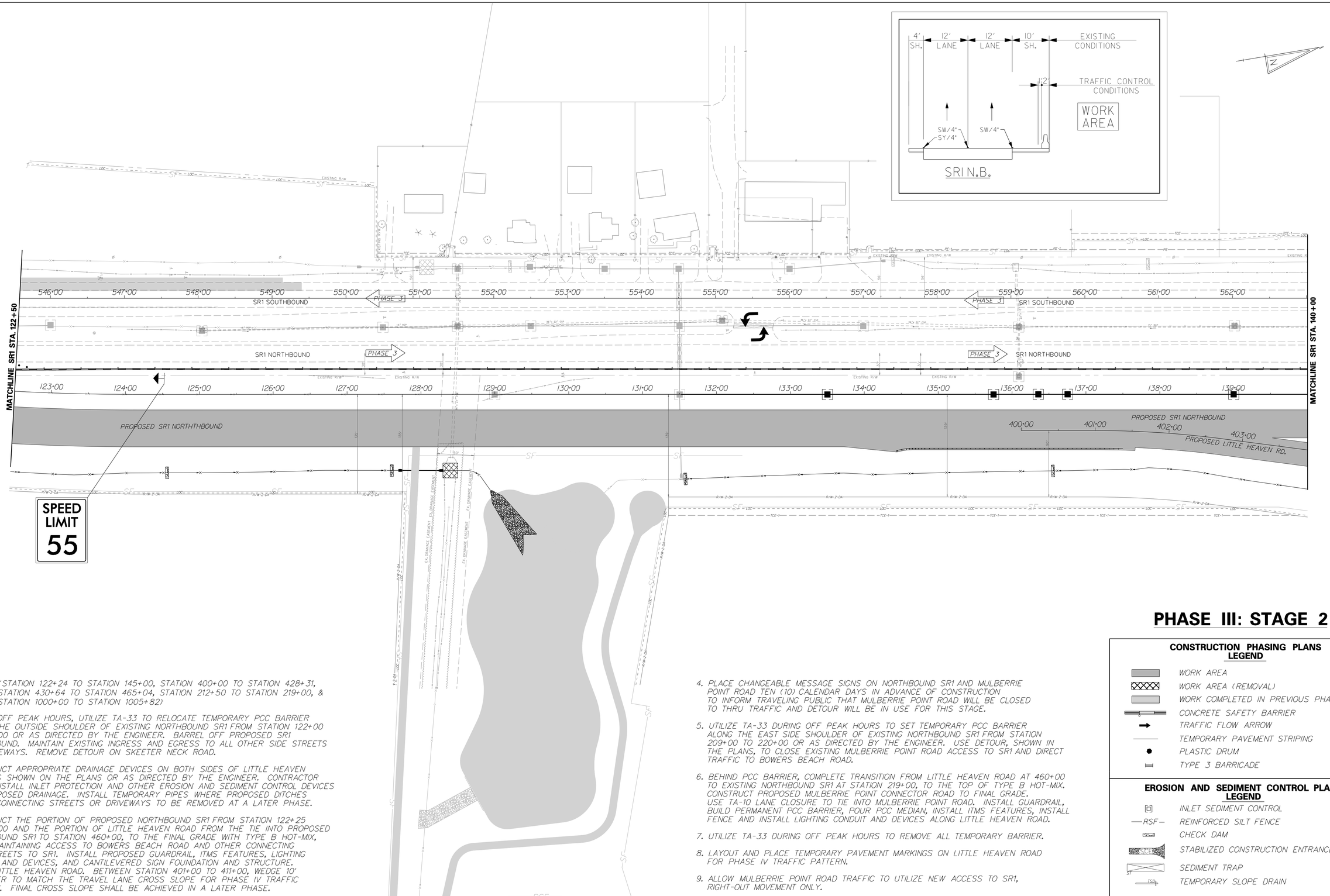

PHASE III: STAGE 2

PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.

2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.

3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.

4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.

5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.

6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.

7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.

8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.

9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC
CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 367 / TOTAL SHTS. 641				

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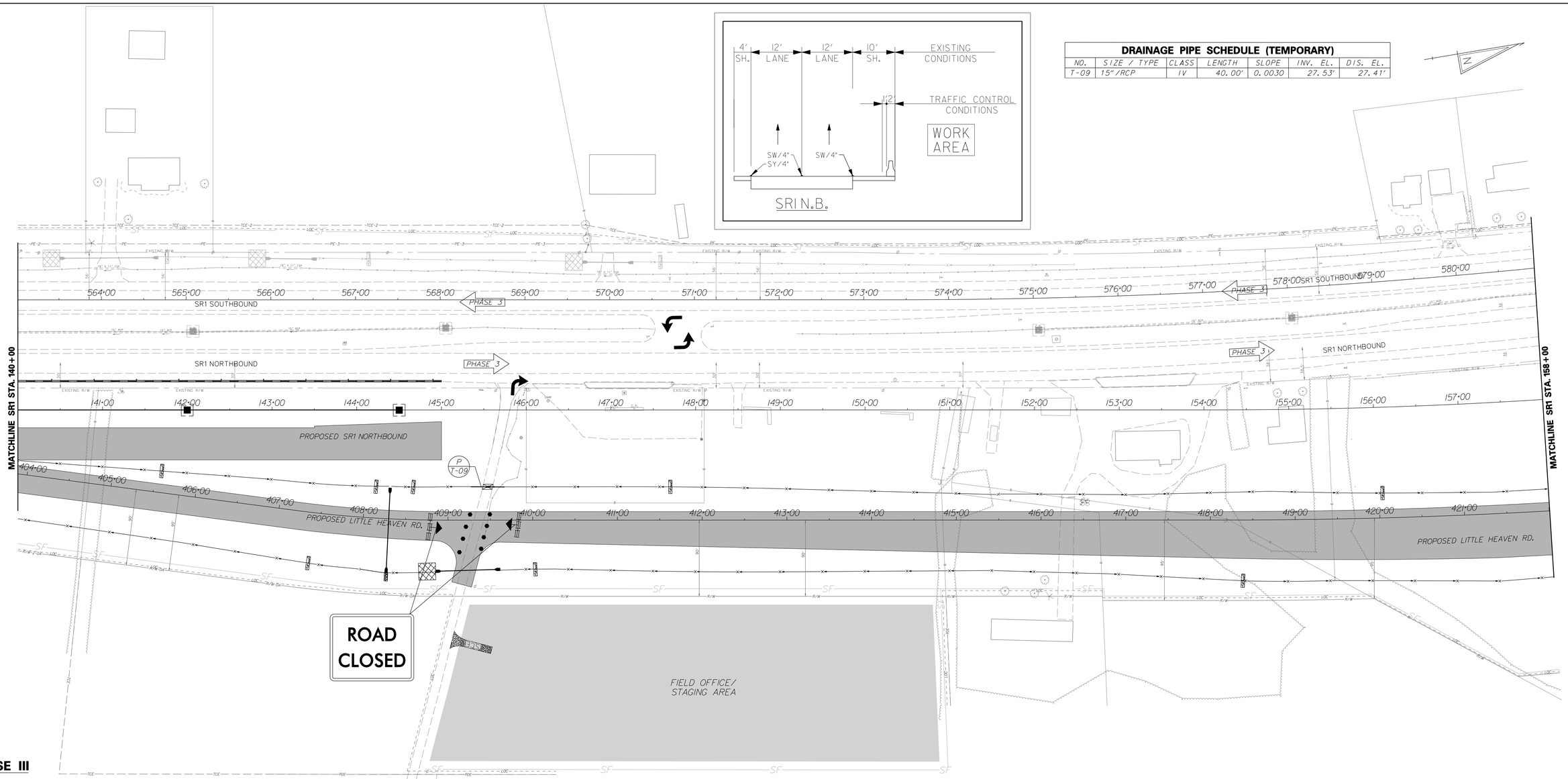
DRAINAGE PIPE SCHEDULE (TEMPORARY)						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-09	15"/RCP	IV	40.00'	0.0030	27.53'	27.41'



PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.

2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.

3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.

4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.

5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.

6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.

7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.

8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.

9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.

PHASE III: STAGE 2

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 368 TOTAL SHTS. 641

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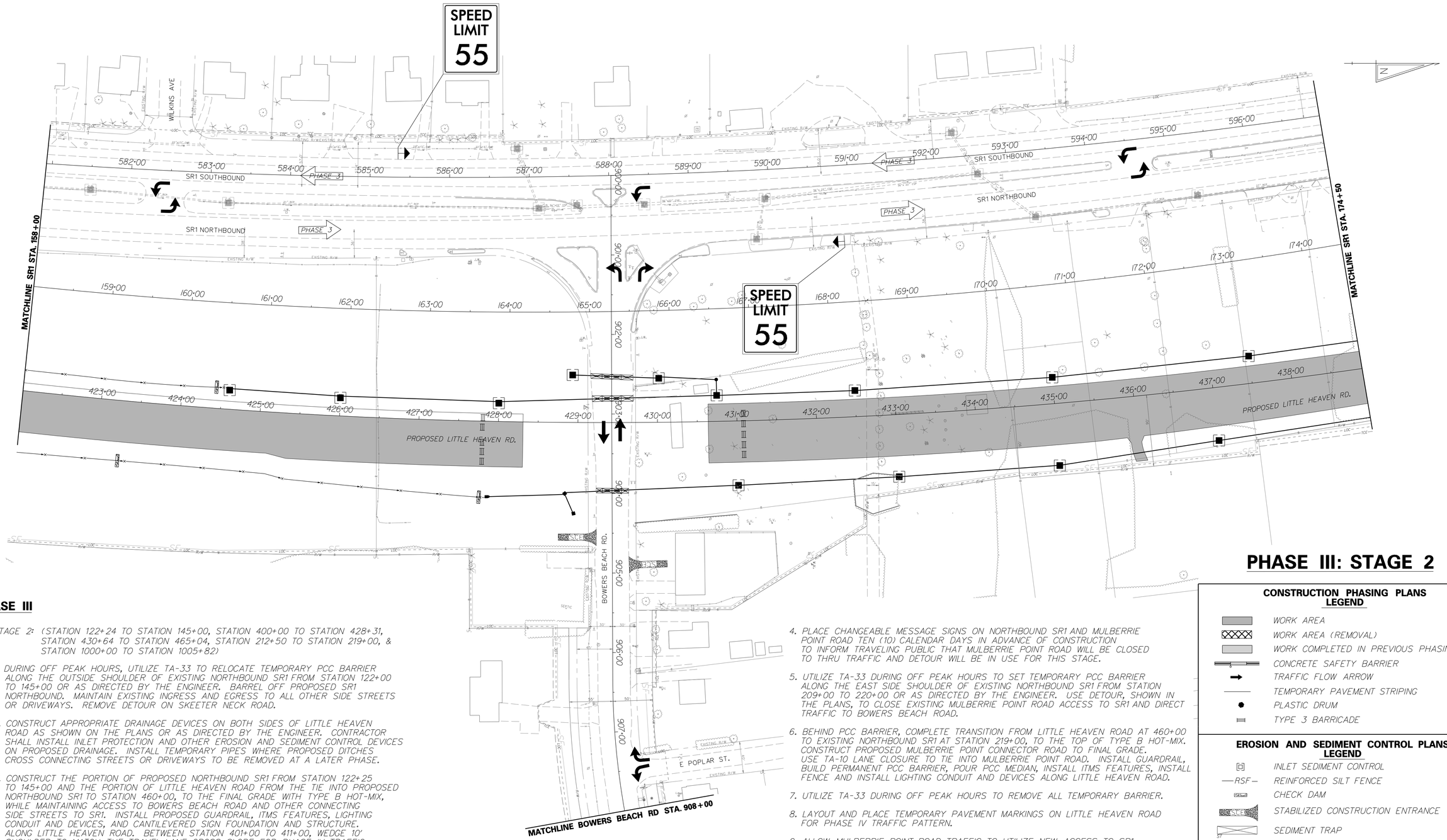

PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.

2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.

3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.

4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.

5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.

6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.

7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.

8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.

9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.

PHASE III: STAGE 2

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CDAM CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 369 / TOTAL SHTS. 641

1/16/2015
9:50:00 AM
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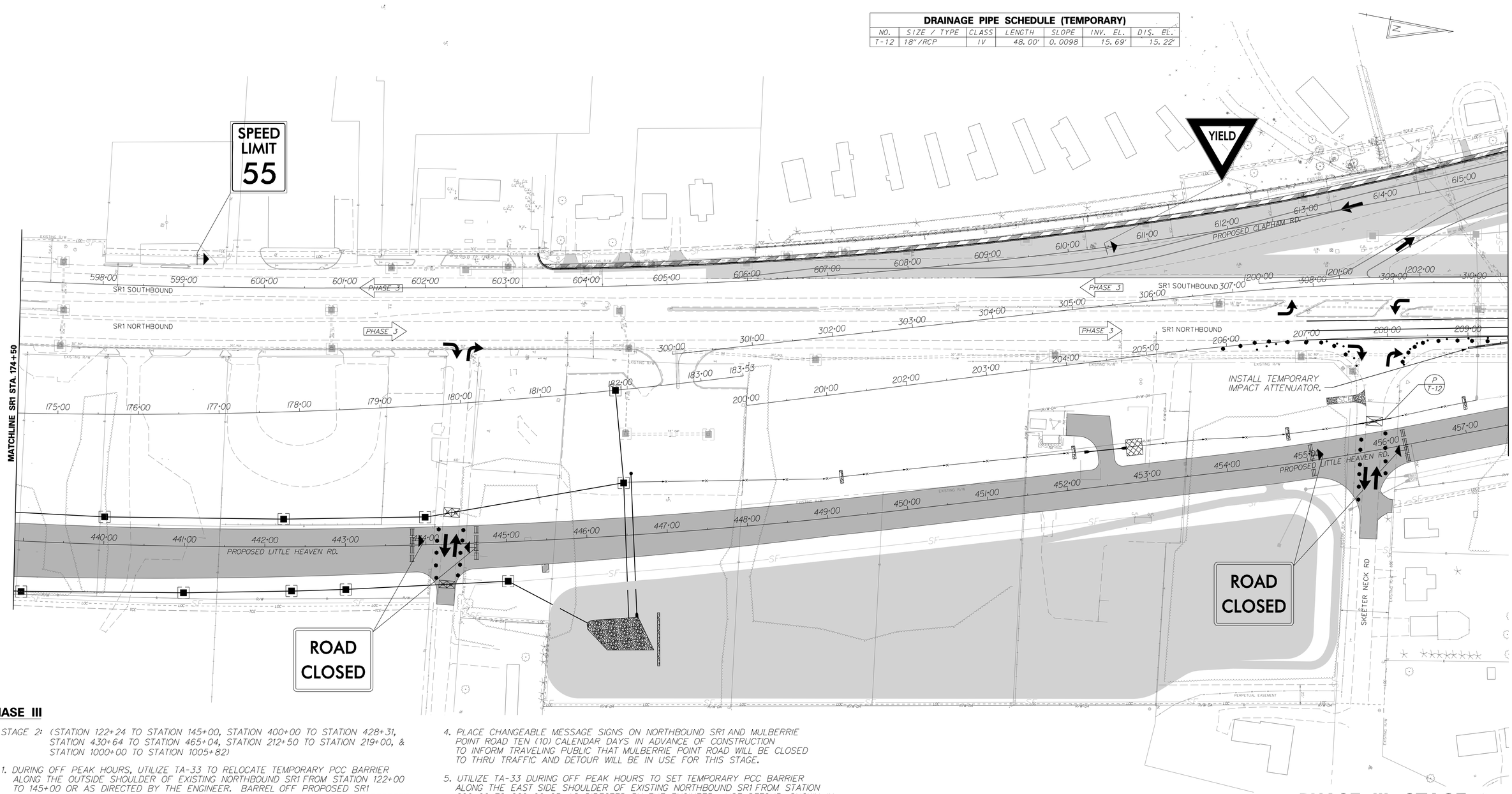
DRAINAGE PIPE SCHEDULE (TEMPORARY)						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
T-12	18"/RCP	IV	48.00'	0.0098	15.69'	15.22'



PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.
2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.
3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.
4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.
5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.
6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.
7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.
8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.
9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.

PHASE III: STAGE 2

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO. 370 TOTAL SHTS. 641

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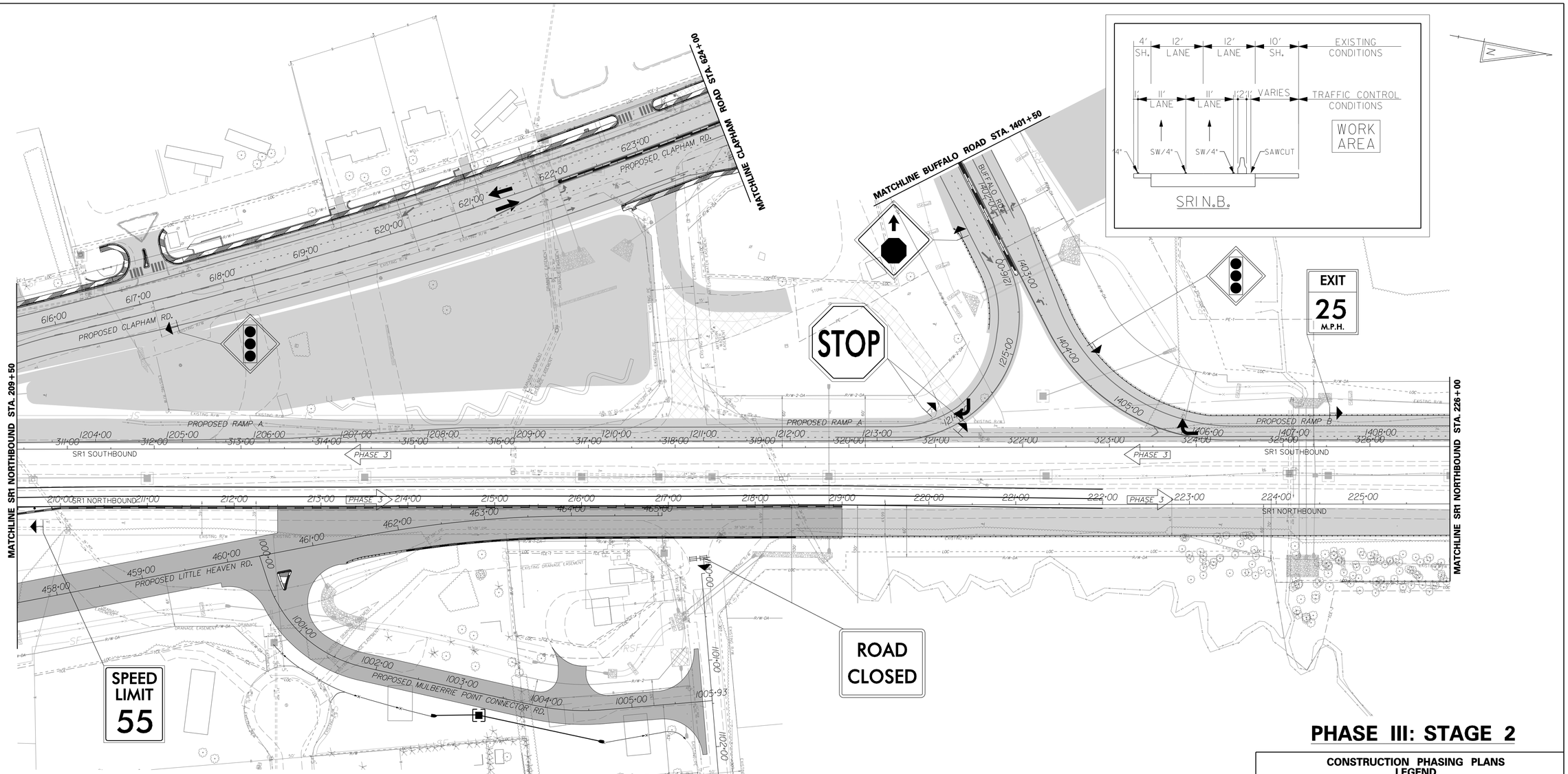

PHASE III: STAGE 2

PHASE III

STAGE 2: (STATION 122+24 TO STATION 145+00, STATION 400+00 TO STATION 428+31, STATION 430+64 TO STATION 465+04, STATION 212+50 TO STATION 219+00, & STATION 1000+00 TO STATION 1005+82)

1. DURING OFF PEAK HOURS, UTILIZE TA-33 TO RELOCATE TEMPORARY PCC BARRIER ALONG THE OUTSIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 122+00 TO 145+00 OR AS DIRECTED BY THE ENGINEER. BARREL OFF PROPOSED SR1 NORTHBOUND. MAINTAIN EXISTING INGRESS AND EGRESS TO ALL OTHER SIDE STREETS OR DRIVEWAYS. REMOVE DETOUR ON SKEETER NECK ROAD.

2. CONSTRUCT APPROPRIATE DRAINAGE DEVICES ON BOTH SIDES OF LITTLE HEAVEN ROAD AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE. INSTALL TEMPORARY PIPES WHERE PROPOSED DITCHES CROSS CONNECTING STREETS OR DRIVEWAYS TO BE REMOVED AT A LATER PHASE.

3. CONSTRUCT THE PORTION OF PROPOSED NORTHBOUND SR1 FROM STATION 122+25 TO 145+00 AND THE PORTION OF LITTLE HEAVEN ROAD FROM THE TIE INTO PROPOSED NORTHBOUND SR1 TO STATION 460+00, TO THE FINAL GRADE WITH TYPE B HOT-MIX, WHILE MAINTAINING ACCESS TO BOWERS BEACH ROAD AND OTHER CONNECTING SIDE STREETS TO SR1. INSTALL PROPOSED GUARDRAIL, ITMS FEATURES, LIGHTING CONDUIT AND DEVICES, AND CANTILEVERED SIGN FOUNDATION AND STRUCTURE. ALONG LITTLE HEAVEN ROAD. BETWEEN STATION 401+00 TO 411+00, WEDGE 10' SHOULDER TO MATCH THE TRAVEL LANE CROSS SLOPE FOR PHASE IV TRAFFIC PATTERN. FINAL CROSS SLOPE SHALL BE ACHIEVED IN A LATER PHASE.

4. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1 AND MULBERRIE POINT ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC THAT MULBERRIE POINT ROAD WILL BE CLOSED TO THRU TRAFFIC AND DETOUR WILL BE IN USE FOR THIS STAGE.

5. UTILIZE TA-33 DURING OFF PEAK HOURS TO SET TEMPORARY PCC BARRIER ALONG THE EAST SIDE SHOULDER OF EXISTING NORTHBOUND SR1 FROM STATION 209+00 TO 220+00 OR AS DIRECTED BY THE ENGINEER. USE DETOUR, SHOWN IN THE PLANS, TO CLOSE EXISTING MULBERRIE POINT ROAD ACCESS TO SR1 AND DIRECT TRAFFIC TO BOWERS BEACH ROAD.

6. BEHIND PCC BARRIER, COMPLETE TRANSITION FROM LITTLE HEAVEN ROAD AT 460+00 TO EXISTING NORTHBOUND SR1 AT STATION 219+00, TO THE TOP OF TYPE B HOT-MIX. CONSTRUCT PROPOSED MULBERRIE POINT CONNECTOR ROAD TO FINAL GRADE. USE TA-10 LANE CLOSURE TO TIE INTO MULBERRIE POINT ROAD. INSTALL GUARDRAIL, BUILD PERMANENT PCC BARRIER, POUR PCC MEDIAN, INSTALL ITMS FEATURES, INSTALL FENCE AND INSTALL LIGHTING CONDUIT AND DEVICES ALONG LITTLE HEAVEN ROAD.

7. UTILIZE TA-33 DURING OFF PEAK HOURS TO REMOVE ALL TEMPORARY BARRIER.

8. LAYOUT AND PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD FOR PHASE IV TRAFFIC PATTERN.

9. ALLOW MULBERRIE POINT ROAD TRAFFIC TO UTILIZE NEW ACCESS TO SR1, RIGHT-OUT MOVEMENT ONLY.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- ST SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 371 / TOTAL SHTS. 641

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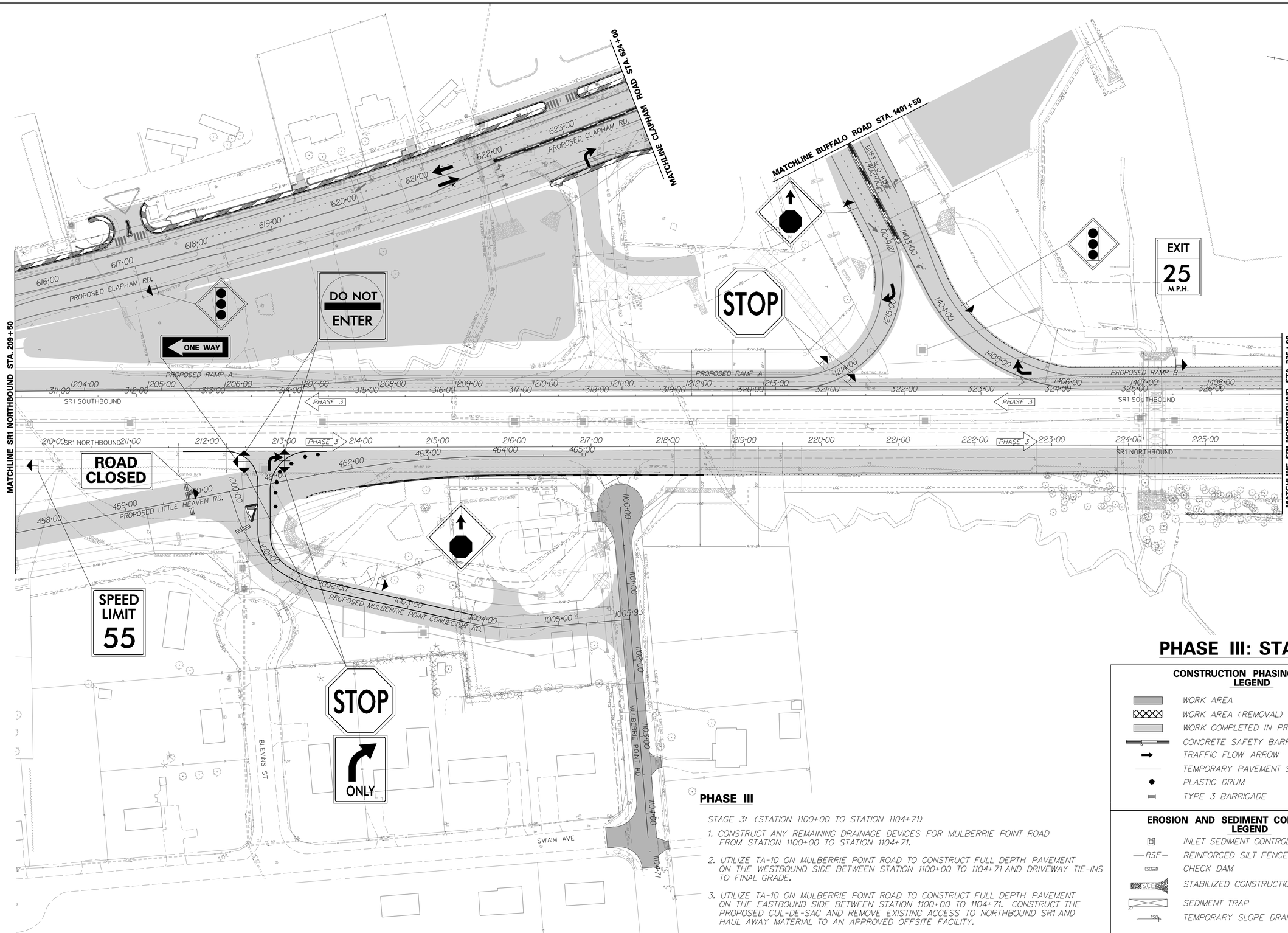

PHASE III: STAGE 3

PHASE III

STAGE 3: (STATION 1100+00 TO STATION 1104+71)

1. CONSTRUCT ANY REMAINING DRAINAGE DEVICES FOR MULBERRIE POINT ROAD FROM STATION 1100+00 TO STATION 1104+71.
2. UTILIZE TA-10 ON MULBERRIE POINT ROAD TO CONSTRUCT FULL DEPTH PAVEMENT ON THE WESTBOUND SIDE BETWEEN STATION 1100+00 TO 1104+71 AND DRIVEWAY TIE-INS TO FINAL GRADE.
3. UTILIZE TA-10 ON MULBERRIE POINT ROAD TO CONSTRUCT FULL DEPTH PAVEMENT ON THE EASTBOUND SIDE BETWEEN STATION 1100+00 TO 1104+71. CONSTRUCT THE PROPOSED CUL-DE-SAC AND REMOVE EXISTING ACCESS TO NORTHBOUND SR1 AND HAUL AWAY MATERIAL TO AN APPROVED OFFSITE FACILITY.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 372
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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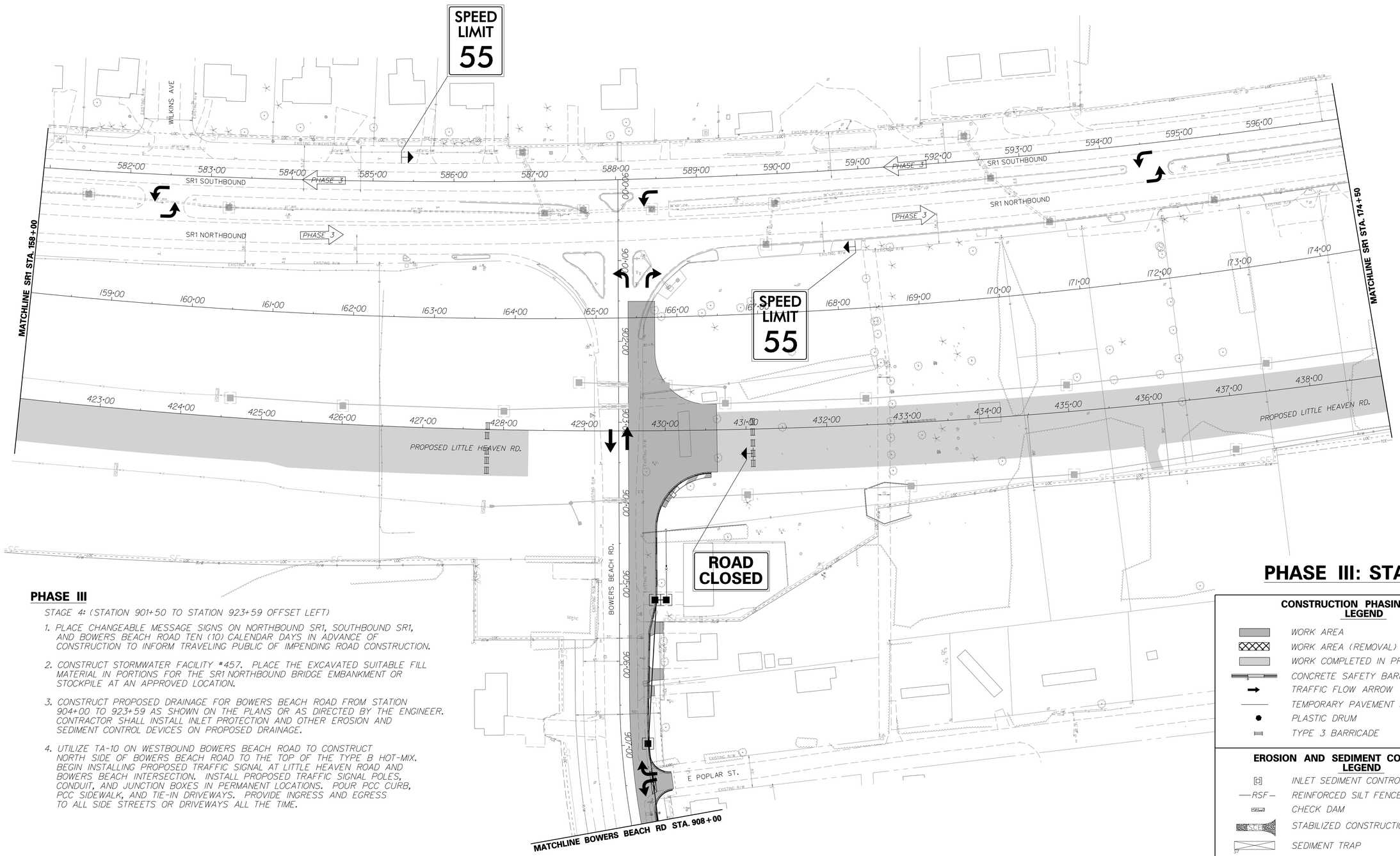

PHASE III: STAGE 4

PHASE III

STAGE 4: (STATION 901+50 TO STATION 923+59 OFFSET LEFT)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BOWERS BEACH ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION.
2. CONSTRUCT STORMWATER FACILITY #457. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS FOR THE SR1 NORTHBOUND BRIDGE EMBANKMENT OR STOCKPILE AT AN APPROVED LOCATION.
3. CONSTRUCT PROPOSED DRAINAGE FOR BOWERS BEACH ROAD FROM STATION 904+00 TO 923+59 AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
4. UTILIZE TA-10 ON WESTBOUND BOWERS BEACH ROAD TO CONSTRUCT NORTH SIDE OF BOWERS BEACH ROAD TO THE TOP OF THE TYPE B HOT-MIX. BEGIN INSTALLING PROPOSED TRAFFIC SIGNAL AT LITTLE HEAVEN ROAD AND BOWERS BEACH INTERSECTION. INSTALL PROPOSED TRAFFIC SIGNAL POLES, CONDUIT, AND JUNCTION BOXES IN PERMANENT LOCATIONS. POUR PCC CURB, PCC SIDEWALK, AND TIE-IN DRIVEWAYS. PROVIDE INGRESS AND EGRESS TO ALL SIDE STREETS OR DRIVEWAYS ALL THE TIME.

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- RSF — REINFORCED SILT FENCE
- CHECK DAM
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- ST — SEDIMENT TRAP
- TSD — TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202	BRIDGE NO. -	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 373
				COUNTY KENT	DESIGNED BY: SFP		TOTAL SHTS. 641
					CHECKED BY: WFC		

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PHASE III

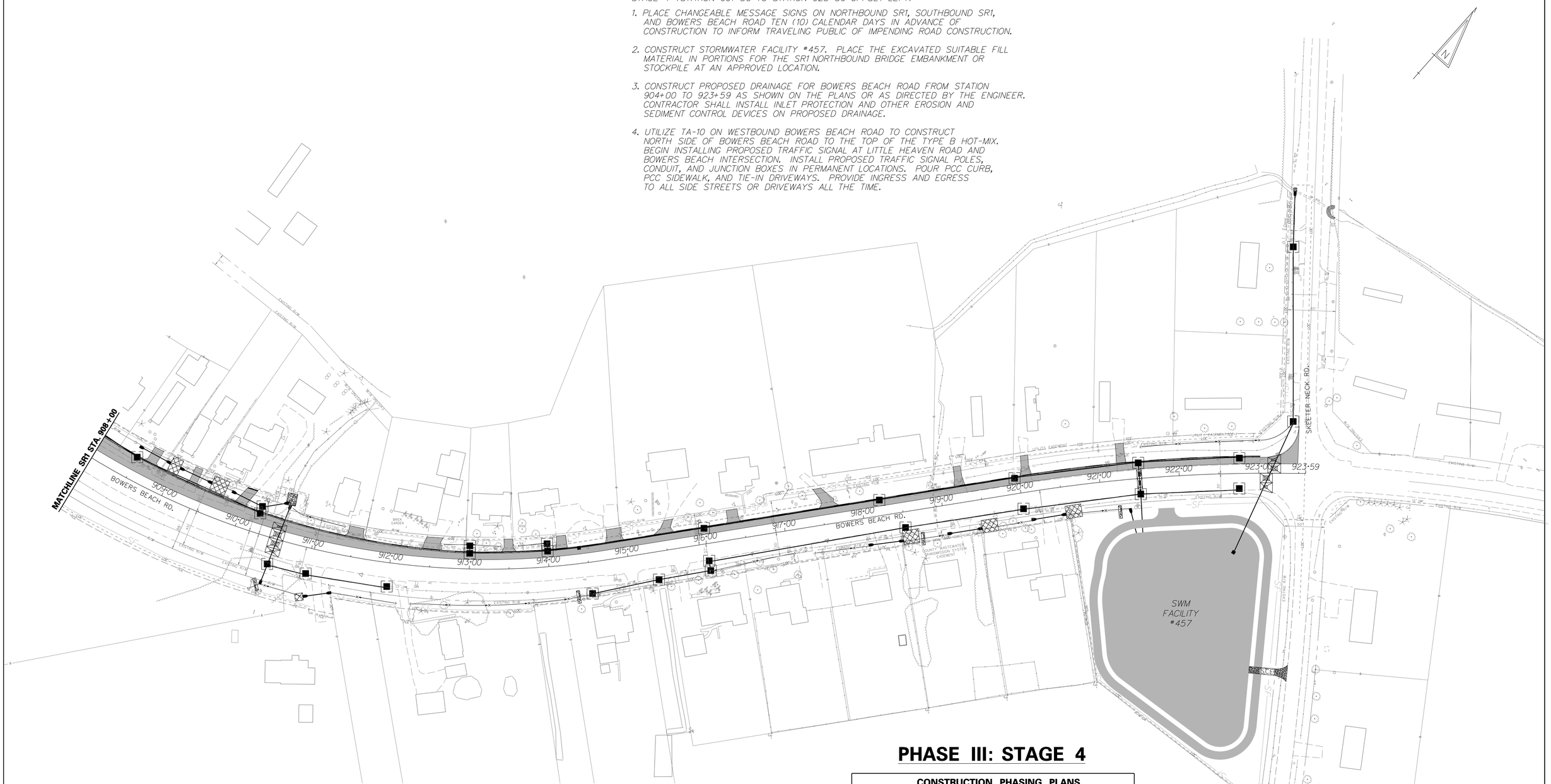
STAGE 4: (STATION 901+50 TO STATION 923+59 OFFSET LEFT)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BOWERS BEACH ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION.

2. CONSTRUCT STORMWATER FACILITY #457. PLACE THE EXCAVATED SUITABLE FILL MATERIAL IN PORTIONS FOR THE SR1 NORTHBOUND BRIDGE EMBANKMENT OR STOCKPILE AT AN APPROVED LOCATION.

3. CONSTRUCT PROPOSED DRAINAGE FOR BOWERS BEACH ROAD FROM STATION 904+00 TO 923+59 AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.

4. UTILIZE TA-10 ON WESTBOUND BOWERS BEACH ROAD TO CONSTRUCT NORTH SIDE OF BOWERS BEACH ROAD TO THE TOP OF THE TYPE B HOT-MIX. BEGIN INSTALLING PROPOSED TRAFFIC SIGNAL AT LITTLE HEAVEN ROAD AND BOWERS BEACH INTERSECTION. INSTALL PROPOSED TRAFFIC SIGNAL POLES, CONDUIT, AND JUNCTION BOXES IN PERMANENT LOCATIONS. POUR PCC CURB, PCC SIDEWALK, AND TIE-IN DRIVEWAYS. PROVIDE INGRESS AND EGRESS TO ALL SIDE STREETS OR DRIVEWAYS ALL THE TIME.



PHASE III: STAGE 4

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
402	12"/RCP	IV	32.00'		MATCH EX.	MATCH EX.

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- SCE STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	-
T200412202	DESIGNED BY:	SFP
COUNTY		
KENT	CHECKED BY:	WFC

CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL

SHEET NO.
374
TOTAL SHTS.
641

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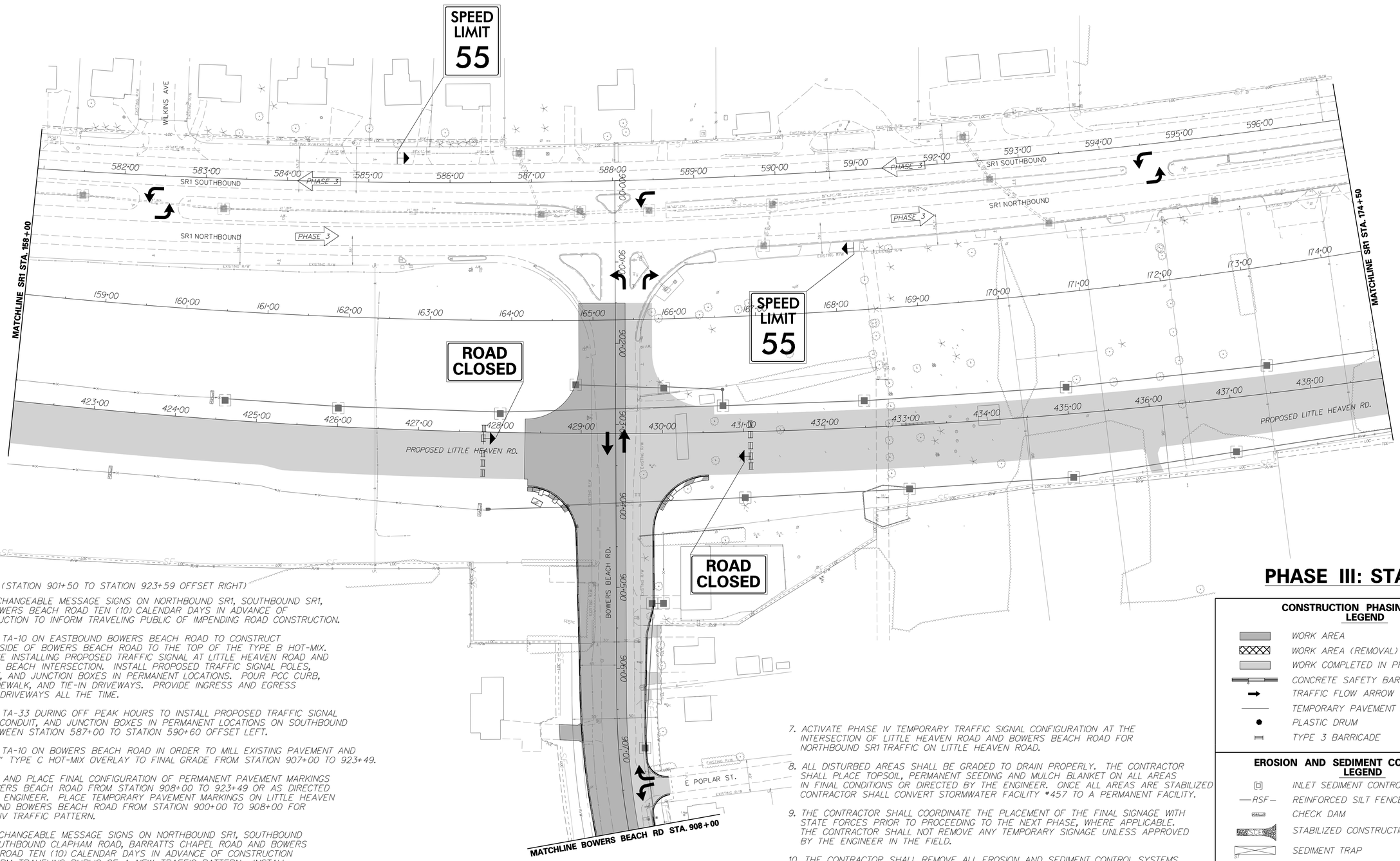

PHASE III

STAGE 5: (STATION 901+50 TO STATION 923+59 OFFSET RIGHT)

1. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, AND BOWERS BEACH ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF IMPENDING ROAD CONSTRUCTION.
2. UTILIZE TA-10 ON EASTBOUND BOWERS BEACH ROAD TO CONSTRUCT SOUTH SIDE OF BOWERS BEACH ROAD TO THE TOP OF THE TYPE B HOT-MIX. CONTINUE INSTALLING PROPOSED TRAFFIC SIGNAL AT LITTLE HEAVEN ROAD AND BOWERS BEACH INTERSECTION. INSTALL PROPOSED TRAFFIC SIGNAL POLES, CONDUIT, AND JUNCTION BOXES IN PERMANENT LOCATIONS. POUR PCC CURB, PCC SIDEWALK, AND TIE-IN DRIVEWAYS. PROVIDE INGRESS AND EGRESS TO ALL DRIVEWAYS ALL THE TIME.
3. UTILIZE TA-33 DURING OFF PEAK HOURS TO INSTALL PROPOSED TRAFFIC SIGNAL POLES, CONDUIT, AND JUNCTION BOXES IN PERMANENT LOCATIONS ON SOUTHBOUND SR1 BETWEEN STATION 587+00 TO STATION 590+60 OFFSET LEFT.
4. UTILIZE TA-10 ON BOWERS BEACH ROAD IN ORDER TO MILL EXISTING PAVEMENT AND PAVE 2" TYPE C HOT-MIX OVERLAY TO FINAL GRADE FROM STATION 907+00 TO 923+49.
5. LAYOUT AND PLACE FINAL CONFIGURATION OF PERMANENT PAVEMENT MARKINGS ON BOWERS BEACH ROAD FROM STATION 908+00 TO 923+49 OR AS DIRECTED BY THE ENGINEER. PLACE TEMPORARY PAVEMENT MARKINGS ON LITTLE HEAVEN ROAD AND BOWERS BEACH ROAD FROM STATION 900+00 TO 908+00 FOR PHASE IV TRAFFIC PATTERN.
6. PLACE CHANGEABLE MESSAGE SIGNS ON NORTHBOUND SR1, SOUTHBOUND SR1, SOUTHBOUND CLAPHAM ROAD, BARRATTS CHAPEL ROAD AND BOWERS BEACH ROAD TEN (10) CALENDAR DAYS IN ADVANCE OF CONSTRUCTION TO INFORM TRAVELING PUBLIC OF A NEW TRAFFIC PATTERN. INSTALL TEMPORARY SIGNING PER PHASE IV TRAFFIC PATTERN.
7. ACTIVATE PHASE IV TEMPORARY TRAFFIC SIGNAL CONFIGURATION AT THE INTERSECTION OF LITTLE HEAVEN ROAD AND BOWERS BEACH ROAD FOR NORTHBOUND SR1 TRAFFIC ON LITTLE HEAVEN ROAD.
8. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL, PERMANENT SEEDING AND MULCH BLANKET ON ALL AREAS IN FINAL CONDITIONS OR DIRECTED BY THE ENGINEER. ONCE ALL AREAS ARE STABILIZED CONTRACTOR SHALL CONVERT STORMWATER FACILITY #457 TO A PERMANENT FACILITY.
9. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FINAL SIGNAGE WITH STATE FORCES PRIOR TO PROCEEDING TO THE NEXT PHASE, WHERE APPLICABLE. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SIGNAGE UNLESS APPROVED BY THE ENGINEER IN THE FIELD.
10. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL SYSTEMS STILL REMAINING IN THIS PHASE PER THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.

PHASE III: STAGE 5

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- CONCRETE SAFETY BARRIER
- TRAFFIC FLOW ARROW
- TEMPORARY PAVEMENT STRIPING
- PLASTIC DRUM
- TYPE 3 BARRICADE

EROSION AND SEDIMENT CONTROL PLANS LEGEND

- INLET SEDIMENT CONTROL
- —RSF— REINFORCED SILT FENCE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- SEDIMENT TRAP
- TSD TEMPORARY SLOPE DRAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR1, LITTLE HEAVEN GRADE SEPARATED INTERSECTION	CONTRACT T200412202 / COUNTY KENT	BRIDGE NO. - / DESIGNED BY: SFP / CHECKED BY: WFC	CONSTRUCTION PHASING, M.O.T. AND E&S CONTROL	SHEET NO. 375 / TOTAL SHTS. 641

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