1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO:
TYPICAL APPLICATION 3 - WORK ON THE SHOULDER OF A TWO-LANE ROAD
TYPICAL APPLICATION 10 - LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS
TYPICAL APPLICATION 20 - DETOUR FOR A CLOSED STREET
OF THE DELAWARE MUTCD.

2. THIS PROJECT IS CONSIDERED A SIGNIFICANT PROJECT AS DEFINED BY DELDOT'S WORK ZONE MOBILITY PROCEDURES AND GUIDELINES. A TYPE B TRANSPORTATION MANAGEMENT PLAN (TMP) HAS BEEN PREPARED AND IS AVAILABLE FOR VIEWING BY CONTACTING THE DEPARTMENT'S SAFETY PROGRAMS MANAGER AT (302)659-4060. ALL MONITORING REQUIREMENTS OF THE TMP SHALL BE CONDUCTED BY DELDOT FORCES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MODIFICATIONS TO THE TMP SHALL BE COMPLETED BY THE CONTRACTOR IF CHANGES TO THE TIME RESTRICTIONS OR THE TRAFFIC CONTROL PLAN ARE DESIRED. THE MODIFIED TMP SHALL BE PREPARED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF DELAWARE.

3. A TYPE II TRUCK MOUNTED ATTENUATOR (TMA) SHALL BE REQUIRED ON THIS PROJECT DURING THE FOLLOWING OPERATIONS: TEMPORARY/PERMANENT PAVEMENT MARKINGS, ROADSIDE SPRAYING, PATCHING, MILLING, SWEEPING, TEMPORARY TRAFFIC BARRIER PLACEMENT OR AS DIRECTED BY THE ENGINEER. THE ROLL AHEAD DISTANCE SHALL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS. THE TMA SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6F.82 OF THE DELAWARE MUTCD.

4. AT THE COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY TRAFFIC CONTROL DEVICES TO REMAIN AS SHOWN ON DRAWINGS CS-65 & CS-66 (PHASE 5). THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AND SERVE TO TEMPORARILY CLOSE THE NEW US 301 ROADWAY UNTIL ITS OFFICIAL OPENING. FURNISHING AND INSTALLATION OF THE TEMPORARY TRAFFIC CONTROL DEVICES TO REMAIN BY THE CONTRACT T200911308 CONTRACTOR WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC. MAINTENANCE AND REMOVAL OF THE TEMPORARY TRAFFIC CONTROL DEVICES DURING THE INTERIM CLOSURE PERIOD AND UPON OPENING OF THE US 301 ROADWAY SHALL BE THE RESPONSIBILITY OF OTHERS (CONTRACT T200911303 CONTRACTOR).

5. AT THE END OF EACH DAY, THE CONTRACTOR SHALL CLEAN THE ROADWAY OF ANY MATERIAL TRACKED ONTO THE ROAD FROM HAULING OPERATIONS. THE METHOD OF CLEANING THE ROADWAY SHALL BE SUCH THAT THAT AIRBORNE DUST IS MINIMIZED AND SHALL BE APPROVED BY THE ENGINEER.

6. NO HAULING EQUIPMENT SHALL USE JAMISON CORNER ROAD OR THE TEMPORARY RUNAROUND ROAD FOR JAMISON CORNER ROAD THROUGHOUT ALL CONSTRUCTION PHASES OTHER THAN AT THE APPROVED HAUL CROSSING LOCATIONS.

7. FLAGGING OPERATIONS (ALTERNATING ONE-WAY OPERATIONS) ALONG BOYDS CORNER ROAD WITH VICINITY OF THE PROPOSED US 301 OVERPASS SHALL BE PERMITTED DURING THE FOLLOWING H
- MONDAY THROUGH FRIDAY FROM 9:00 AM - 3:00 PM
- MONDAY THROUGH THURSDAY FROM 7:00 PM - 6:00 AM (THE FOLLOWING MORNING)

8. A. TEMPORARY ROADWAY CLOSURES OF BOYDS CORNER ROAD FOR HAULING OPERATIONS USIN DURING TWO-WAY OPERATIONS SHALL BE LIMITED TO A MAXIMUM OF TWO (2) MINUTES AND SH. PERMITTED DURING THE FOLLOWING HOURS:
- MONDAY THROUGH FRIDAY FROM 9:00 AM - 3:00 PM
- MONDAY THROUGH THURSDAY FROM 7:00 PM - 6:00 AM (THE FOLLOWING MORNING)

B. WHEN CONSTRUCTION ACTIVITIES REQUIRE TEMPORARY ROADWAY CLOSURES CONCURRENTLY FLAGGING OPERATIONS (ALTERNATING ONE-WAY OPERATIONS), THE TEMPORARY ROADWAY CLOSU SHALL BE NO MORE THAN 30 SECONDS AND SHALL ONLY BE PERMITTED DURING THE FOLLOWI
- MONDAY THROUGH FRIDAY FROM 9:00 AM - 3:00 PM
- MONDAY THROUGH THURSDAY FROM 7:00 PM - 6:00 AM (THE FOLLOWING MORNING)

9. THE DETOUR OF SR 896 (BOYDS CORNER ROAD) FOR BRIDGE GIRDER ERECTION ASSOCIATED W.... THE PROPOSED US 301 OVERPASSES SHALL BE PERMITTED MONDAY THROUGH THURSDAY FROM 9:00 PM - 5:00 AM (THE FOLLOWING MORNING). THE CONTRACTOR SHALL COORDINATE THE DETOUR WITH THE ENGINEER AND OTHER US 301 CONTRACTORS. THE DETOUR SHALL NOT BE PERMITTED AT THE SAME TIME AS DETOURS FOR SR 1, US 13 OR EXISTING US 301 AS PROPOSED IN OTHER CONTRACTS FOR THE NEW US 301 ROADWAY.

10. A. TEMPORARY ROADWAY CLOSURES OF THE JAMISON CORNER ROAD RUNAROUND ROAD FOR HAULING OPERATIONS USING FLAGGERS DURING TWO-WAY OPERATIONS SHALL BE LIMITED TO A MAXIMUM OF TWO (2) MINUTES AND SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
- MONDAY THROUGH FRIDAY FROM 9:00 AM - 3:00 PM
- MONDAY THROUGH THURSDAY FROM 6:00 PM - 7:00 AM (THE FOLLOWING MORNING)

B. FLAGGING OPERATIONS (ALTERNATING ONE-WAY OPERATIONS) ON JAMISON CORNER ROAD OR JAMISON CORNER RUNAROUND ROAD SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
- MONDAY THROUGH FRIDAY FROM 9:00 AM - 3:00 PM
- MONDAY THROUGH THURSDAY FROM 6:00 PM - 7:00 AM (THE FOLLOWING MORNING)

11. A BICYCLE DETOUR PROPOSED BY OTHERS IN CONTRACT T200911302 UTILIZES JAMISON CORNER ROAD AND THE JAMISON CORNER ROAD RUNAROUND ROAD. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACT T200911302 CONTRACTOR TO ENSURE THAT THE DETOUR IS MAINTAINED AT ALL TIMES.

12. ALL TEMPORARY STRIPING INSTALLED ON THE RUNAROUND ROAD AND JAMISON CORNER ROAD DURING PHASE 2 AND PHASE 3 CONSTRUCTION SHALL BE EPOXY RESIN PAINT (ITEM 748548) OR ALKYD THERMOPLASTIC (ITEM 748015) AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL REFER TO SHEETS CS-44 THROUGH CS-47 FOR DETAILS OF TEMPORARY STRIPING ALONG THE RUNAROUND ROAD. IF JAMISON CORNER ROAD IS OPEN TO TRAFFIC DURING PHASE 3 CONSTRUCTION, PRIOR TO PLACING THE FINAL WMA PAVEMENT COURSE, TEMPORARY STRIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE PROPOSED STRIPING SHOWN ON SHEETS SS-21 THROUGH SS-24.

13. THE CONTRACTOR IS ADVISED THAT CONSTRUCTION OF CONTRACT T200911302 - US 301 AND SR 1 INTERCHANGE WILL OCCUR CONCURRENT WITH CONSTRUCTION OF THIS CONTRACT. THE T200911302 CONTRACTOR WILL REQUIRE ACCESS TO HYETTS CORNER ROAD THROUGH THE CONTRACT T200911301 WORK AREA FOR THE DURATION OF THAT PROJECT, VIA THE CONSTRUCTION EASEMENT SOUTH OF US 301 AND EAST OF HYETTS CORNER ROAD. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE CONTRACTOR FOR CONTRACT T200911302 TO PROVIDE CONSTRUCTION STAGING THAT DOES NOT INHIBIT ACCESS TO HYETTS CORNER ROAD FROM THIS EASEMENT TO THE SOUTH TOWARDS US 13. ALL COSTS FOR COORDINATING ACCESS WILL BE INCIDENTAL TO THE CONTRACT.

14. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TRAFFIC OFFICERS DURING THE FOLLOWING CONSTRUCTION ACTIVITIES:

-INSTALLATION OF TRAFFIC CONTROL DEVICES FOR ALL ROAD CLOSURES AND DETOURS, INCLUDING JAMISON CORNER ROAD, BOYDS CORNER ROAD (SR 896), AND HYETTS CORNER ROAD (THE CONTRACTOR MAY BE REQUIRED TO MAINTAIN TRAFFIC OFFICERS FOR A PERIOD AFTER THE ROAD CLOSURE IS COMPLETE, AS DIRECTED BY THE ENGINEER.)

-INSTALLATION OF TRAFFIC CONTROL DEVICES FOR ALL CONSTRUCTION REQUIRING LANE CLOSURES

-DURING TRAFFIC SHIFTS, SUCH AS JAMISON CORNER ROAD TRAFFIC SHIFTING TO THE RUNAROUND ROAD

-DURING ANY BRIDGE CONSTRUCTION REQUIRING LANE CLOSURES ALONG US 301 AFTER THE NEW ROADWAY IS OPEN TO TRAFFIC

-DURING ANY NIGHT WORK

15. BEFORE THE BEGINNING OF PHASE 2 CONSTRUCTION, THE CONTRACTOR SHALL CLOSE THE HYETTS CORNER ACCESS TO AIRMONT DRIVE WITH TYPE III BARRICADES AND TEMPORARY PCC BARRIER ACROSS THE FULL WIDTH OF AIRMONT DRIVE AND ON THE ADJACENT GRASSED AREAS AS DIRECTED BY THE ENGINEER TO PREVENT VEHICLES FROM DRIVING AROUND THE BARRIERS. THE CLOSURE SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION UNTIL HYETTS CORNER ROAD IS OPEN TO TRAFFIC. SEE SHEET CS-06 FOR MORE DETAILS.

16. PROPOSED ADVANCE NOTIFICATION REQUIREMENTS: AT LEAST TEN (10) CALENDAR DAYS BEFORE A ROAD CLOSURE OR MAJOR CHANGE IN THE ROADWAY CONFIGURATION OR TRAVEL PATTERN, THE CONTRACTOR SHALL USE AN ADVANCE WARNING SIGN OR PORTABLE CHANGEABLE MESSAGE SIGN TO WARN MOTORISTS OF THE PENDING CHANGES. THIS SIGN SHALL REMAIN IN PLACE AT LEAST TEN (10) BUT NO MORE THAN FOURTEEN (14) CALENDAR DAYS BEFORE A MAJOR CHANGE IN THE ROADWAY CONFIGURATION OR TRAVEL PATTERN.

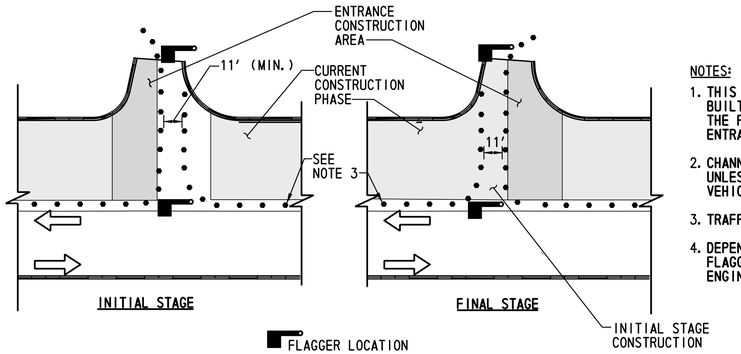
17. THE CONTRACTOR IS REQUIRED TO SUBMIT REQUESTS FOR TRAFFIC RESTRICTIONS TO THE GEC AND DELDOT IN ACCORDANCE WITH THE TABLE BELOW:

Advance Notification		
Type of Restriction	Minimum Advance Notice	Maximum Advance Notice
1*	30 Days	45 Days
2*, 3*, 4*	10 Days	14 Days

Type 1: Planned and acceptable closures of an arterial or local street, traffic switches, new ramp openings, or changed traffic patterns.
Type 2: A lane(s) closure that would have significant impact on traffic, such as temporarily stopping traffic completely (traffic drags), closing 2 or more lanes, closing an exit or entrance ramp at freeway interchanges, or flagging operations.
Type 3: A lane closure that would have minor or no impact on the flow of traffic, such as closing one lane on a three-lane freeway during off-peak hours.
Type 4: A lane closure that would close a shoulder (right or left)

Unofficial Website Copy

18. FOR TYPE 1 CLOSURES, THE CONTRACTOR SHALL MAKE PROVISIONS IN THE TEMPORARY TRAFFIC CONTROL PLAN FOR LOCAL TRAFFIC TO ACCESS PROPERTIES AND BUSINESSES AT ALL TIMES ON THE CLOSED ARTERIAL OR LOCAL STREET. TYPE 1 AND 2 CLOSURES WILL REQUIRE EXTENSIVE MEDIA AND STAKEHOLDER NOTIFICATION EFFORT AND COORDINATION AMONG VARIOUS LOCAL AND STATE AGENCIES.



TYPICAL DRIVEWAY/ ENTRANCE RECONSTRUCTION
NOT TO SCALE

NOTES:

1. THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE AS INDICATED ON THE PLANS, DURING DAYLIGHT HOURS ONLY, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
2. CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT 10' ON CENTER, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
3. TRAFFIC CONTROL DEVICES ALONG MAINLINE ROADWAY SHALL BE AS SHOWN ON CONSTRUCTION PHASING PLANS.
4. DEPENDING ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF ENGINEER.

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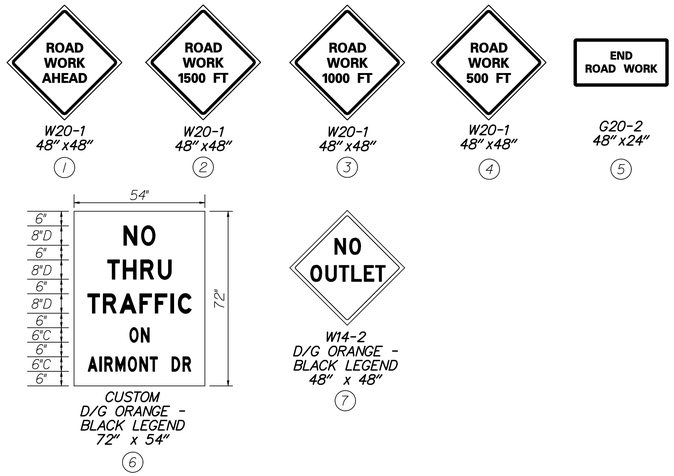
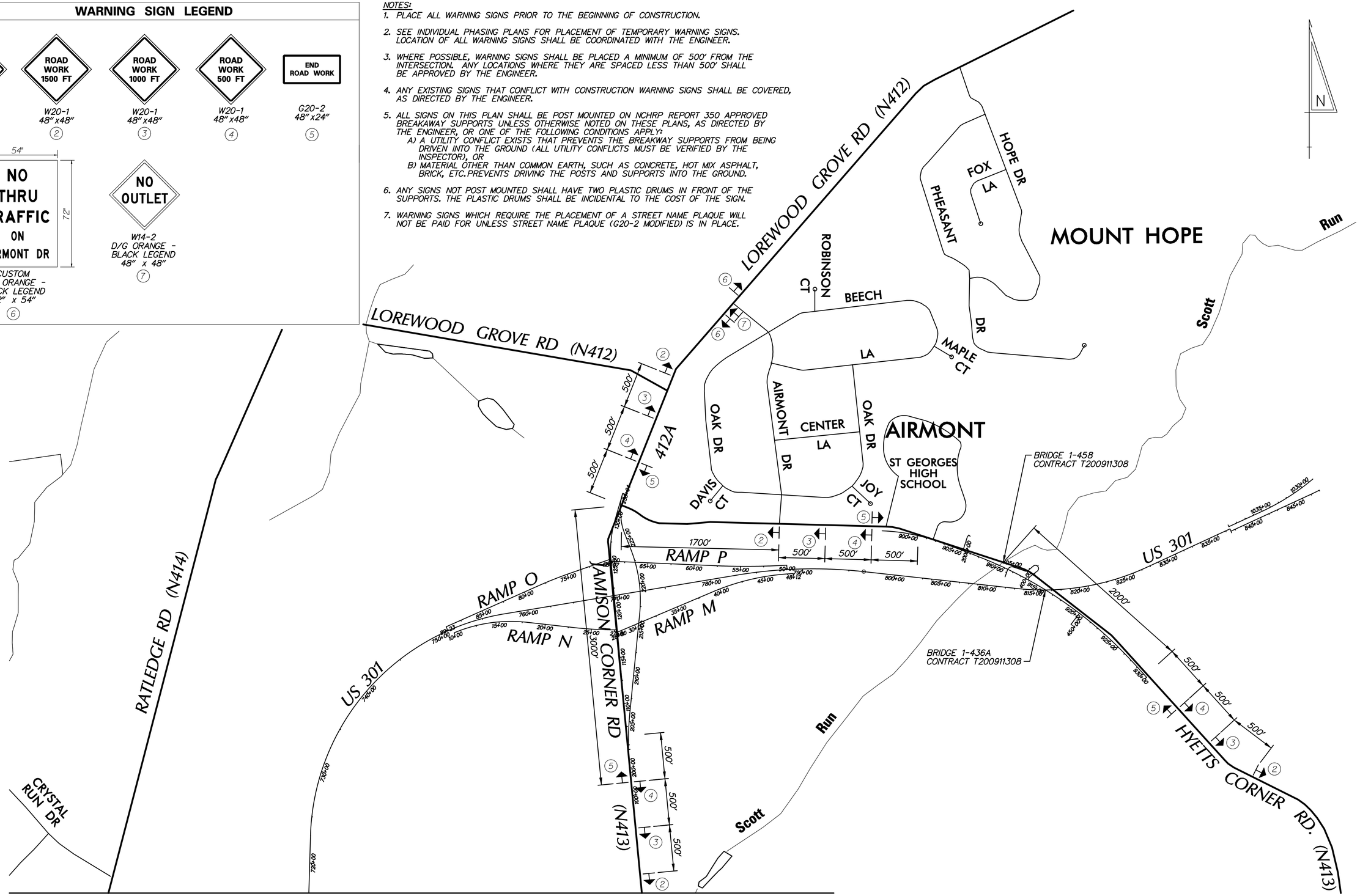
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	GENERAL TRAFFIC CONTROL NOTES	CS-01
				COUNTY NEW CASTLE	DESIGNED BY: SHH		SHEET NO. 674
					CHECKED BY: TAO		TOTAL SHTS. 875

WARNING SIGN LEGEND



NOTES:

1. PLACE ALL WARNING SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION.
2. SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. LOCATION OF ALL WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
3. WHERE POSSIBLE, WARNING SIGNS SHALL BE PLACED A MINIMUM OF 500' FROM THE INTERSECTION. ANY LOCATIONS WHERE THEY ARE SPACED LESS THAN 500' SHALL BE APPROVED BY THE ENGINEER.
4. ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED, AS DIRECTED BY THE ENGINEER.
5. ALL SIGNS ON THIS PLAN SHALL BE POST MOUNTED ON NCHRP REPORT 350 APPROVED BREAKAWAY SUPPORTS UNLESS OTHERWISE NOTED ON THESE PLANS, AS DIRECTED BY THE ENGINEER, OR ONE OF THE FOLLOWING CONDITIONS APPLY:
   A) A UTILITY CONFLICT EXISTS THAT PREVENTS THE BREAKWAY SUPPORTS FROM BEING DRIVEN INTO THE GROUND (ALL UTILITY CONFLICTS MUST BE VERIFIED BY THE INSPECTOR), OR
   B) MATERIAL OTHER THAN COMMON EARTH, SUCH AS CONCRETE, HOT MIX ASPHALT, BRICK, ETC.PREVENTS DRIVING THE POSTS AND SUPPORTS INTO THE GROUND.
6. ANY SIGNS NOT POST MOUNTED SHALL HAVE TWO PLASTIC DRUMS IN FRONT OF THE SUPPORTS. THE PLASTIC DRUMS SHALL BE INCIDENTAL TO THE COST OF THE SIGN.
7. WARNING SIGNS WHICH REQUIRE THE PLACEMENT OF A STREET NAME PLAQUE WILL NOT BE PAID FOR UNLESS STREET NAME PLAQUE (G20-2 MODIFIED) IS IN PLACE.



MATCH LINE SEE SHEET CS-03

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 500 1000 1500 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	WARNING SIGN LOCATION PLAN	CS-02
				COUNTY NEW CASTLE	DESIGNED BY: SHH		SHEET NO. 675
					CHECKED BY: TAO		TOTAL SHTS. 875

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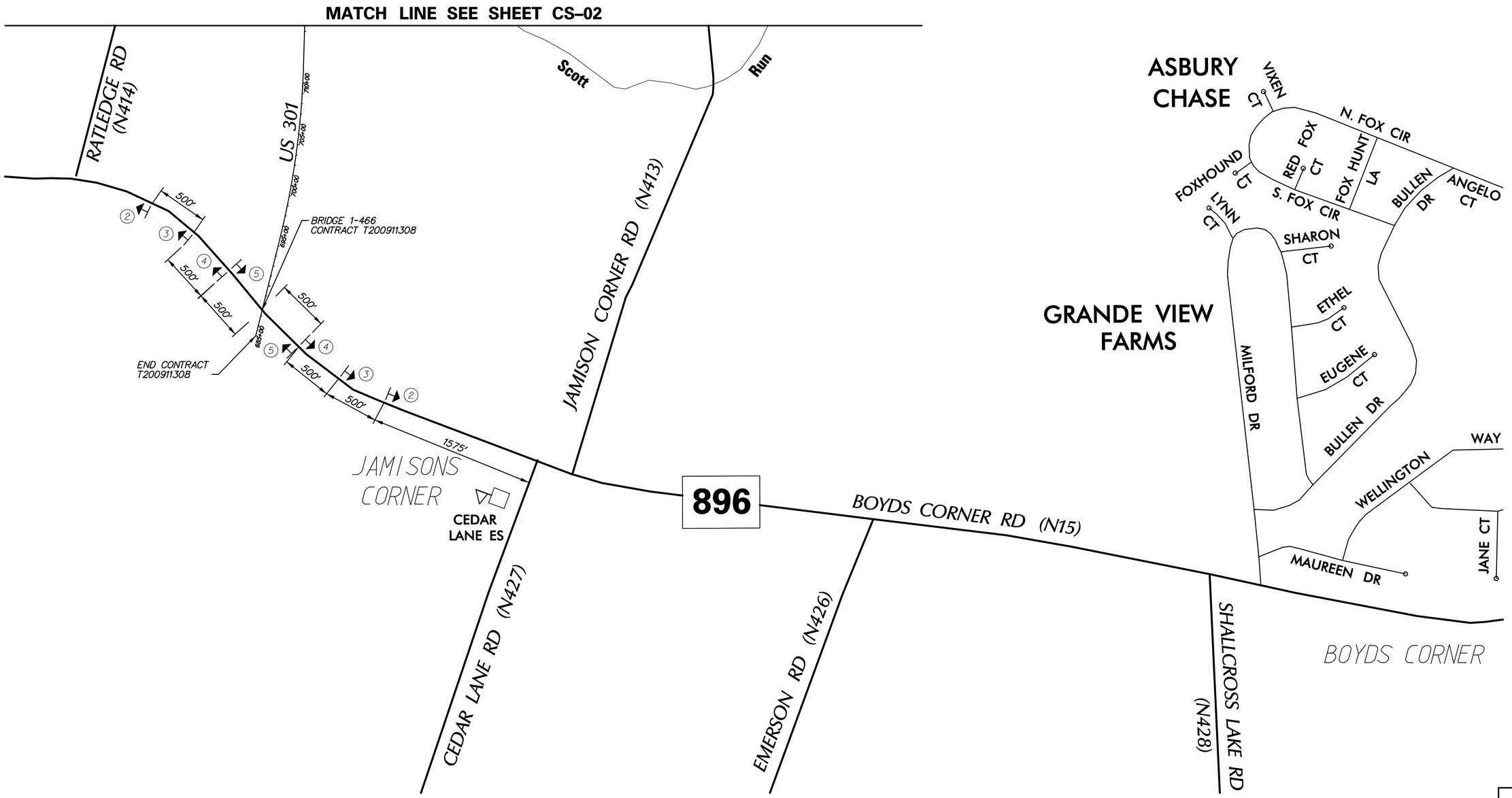
WARNING SIGN LEGEND

W20-1 48" x48"	W20-1 48" x48"	W20-1 48" x48"	W20-1 48" x48"	G20-2 48" x24"
1	2	3	4	5



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 500 1000 1500 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	WARNING SIGN LOCATION PLAN	CS-03
				COUNTY NEW CASTLE	DESIGNED BY: SHH		SHEET NO. 676
					CHECKED BY: TAO		TOTAL SHTS. 875

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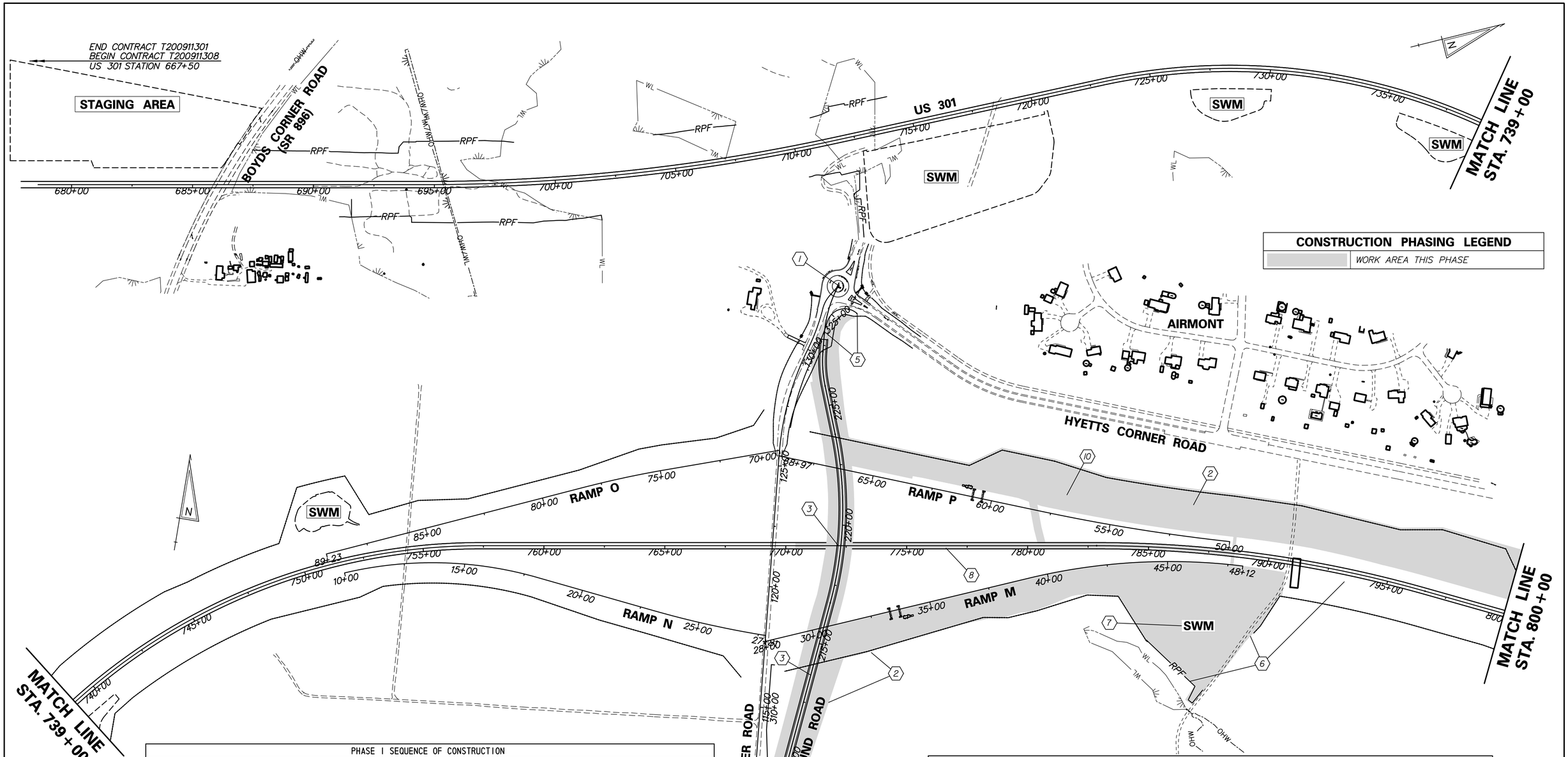

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

PHASE I SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE. CONTRACTOR UNDER DIRECTION OF ENGINEER SHALL LOCATE STAGING AREAS AND HAUL ROAD ACCESS FROM HYETTS CORNER ROAD TO JAMISON CORNER ROAD SO AS TO AVOID IMPACTS TO EROSION AND SEDIMENT CONTROL DEVICES.
2. INSTALL SCES AND ALL EROSION AND SEDIMENT CONTROL MEASURES FOR RUNAROUND ROAD CONSTRUCTION, AS SHOWN ON SHEETS CS-11 THROUGH CS-14. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES - REINFORCED SILT FENCE (RSF), EARTH DIKES (ED-3 THROUGH ED-11), PERIMETER/DIKE SWALES (PDS-2 THROUGH PDS-3), AND ASSOCIATED CHECK DAMS.
3. EXCAVATE FOR AND CONSTRUCT TEMPORARY STORM DRAIN DEVICES UNDER RUNAROUND ROAD, AS SHOWN ON SHEETS CS-11 THROUGH CS-14. EXCAVATE FOR AND CONSTRUCT PERMANENT STORM DRAIN DEVICES FROM D1261 TO D1262, UNDER RUNAROUND ROAD, AS SHOWN ON SHEET CS-13. EXCAVATE FOR AND CONSTRUCT TEMPORARY RUNAROUND ROAD FOR JAMISON CORNER ROAD (STA. 205+00 TO STA. 228+00).
4. CONSTRUCT PROPOSED RUNAROUND ROAD TO MATCH PAVEMENT CONSTRUCTED UNDER CONTRACT T200712003.
5. CONSTRUCT PROPOSED RUNAROUND ROAD TO MATCH PAVEMENT CONSTRUCTED UNDER CONTRACT T200912001.
6. INSTALL EROSION AND SEDIMENT CONTROL DEVICES - RSF, ED-6, ED-7, PDS-3, AND RESOURCE PROTECTION FENCE FOR REMAINING PHASE I CONSTRUCTION. MAINTAIN CHANNEL FLOW (STA. 799+50) AT HAUL ROAD CROSSING AND AT UPSTREAM END OF PDS-3 AND DOWNSTREAM END OF ED-7 UNTIL CONSTRUCTION OF ED-12 AND CULVERT P-392 AT STA. 801+75.

PHASE I SEQUENCE OF CONSTRUCTION

7. EXCAVATE FOR AND COMPLETE GRADING FOR SEDIMENT BASIN SB731 NEAR 785+50 RT AND FOR SEDIMENT BASIN SB733 NEAR STA. 805+00 LT.
8. EXCAVATE FOR AND CONSTRUCT STORM DRAIN NETWORKS FROM STA. 770+50 TO STA. 789+00. INSTALL INLET SEDIMENT CONTROL DEVICES.
9. INSTALL EROSION AND SEDIMENT CONTROL DEVICE ED-12 AND CHECK DAM AND ADJUST PDS-3 AND ED-7 TO DIVERT CHANNEL FLOW TO SEDIMENT CONTROL DEVICES. EXCAVATE FOR AND CONSTRUCT CULVERT P-392. INSTALL TSP-24" HDPE AND ENSURE THAT OFF-SITE, CLEAN-WATER RUNOFF IS DIVERTED THROUGH P-392. UPON COMPLETION OF CULVERT P-392 AND OFF-SITE FLOWS HAVE BEEN DIVERTED, ED-12 SHALL BE REMOVED.
10. CONSTRUCT PROPOSED EARTH BERM (STA. 780+79 LT TO STA. 798+00 LT). COMPLETE GRADING FOR SIDE SLOPES AND DITCHES OR SWALES CONVEYING SEDIMENT-LADEN RUNOFF TO SB731 AND SB733. INSTALL CHECK DAMS AND SILT FENCE PER NOTE ON PHASE I CS SHEETS.
11. EXCEPT WHERE NOTED IN NOTE 9, ALL PHASE I EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE DURING PHASE 2 CONSTRUCTION.
12. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH, PER SPECIFICATIONS PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
13. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES FROM PHASE I PRIOR TO START OF PHASE 2 CONSTRUCTION.

CS-04

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.	
T200911308	DESIGNED BY: SHH	
COUNTY		
NEW CASTLE	CHECKED BY: TAO	

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

SHEET NO. 677
TOTAL SHTS. 875

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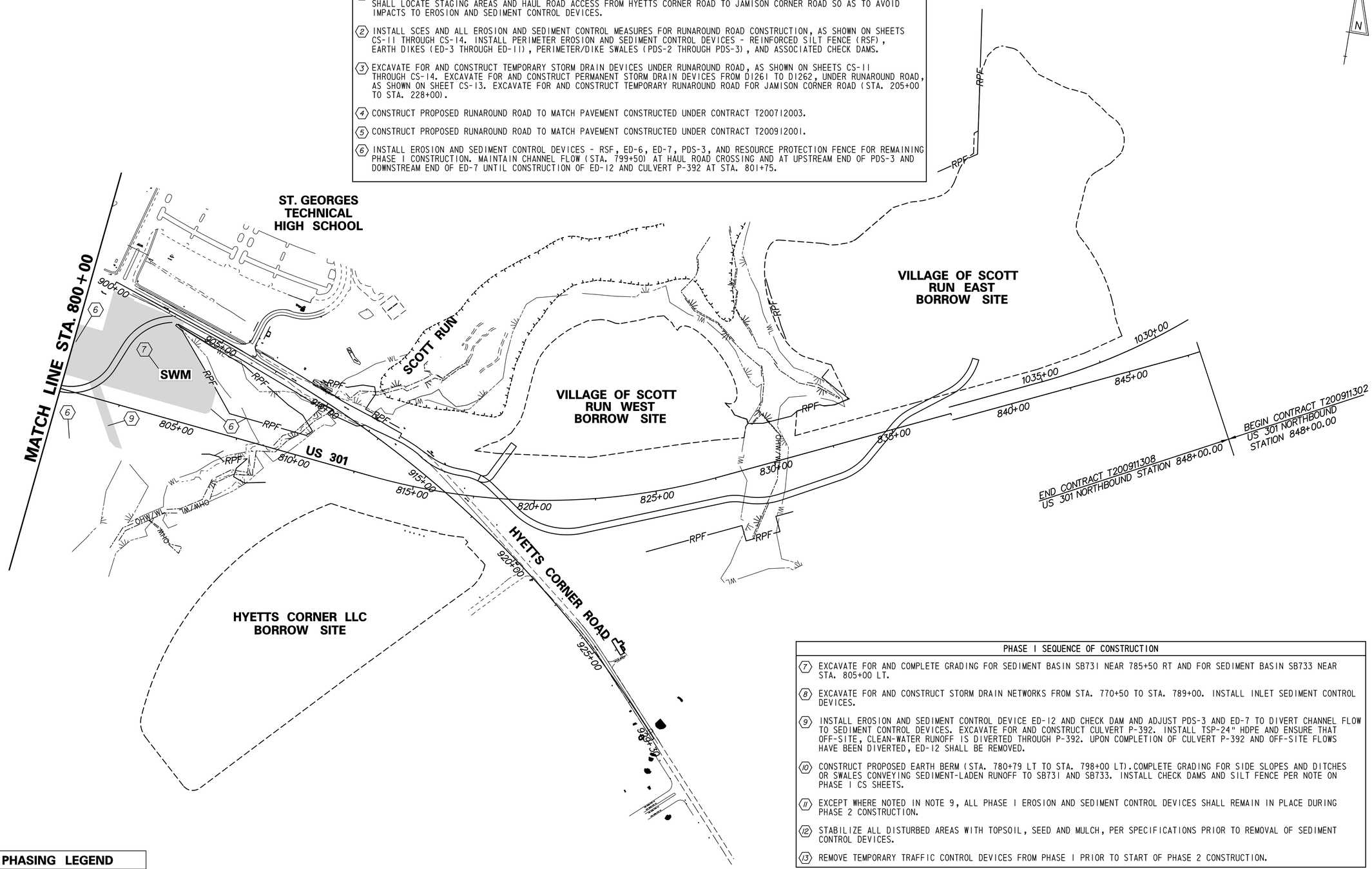
PHASE I SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE. CONTRACTOR UNDER DIRECTION OF ENGINEER SHALL LOCATE STAGING AREAS AND HAUL ROAD ACCESS FROM HYETTS CORNER ROAD TO JAMISON CORNER ROAD SO AS TO AVOID IMPACTS TO EROSION AND SEDIMENT CONTROL DEVICES.
2. INSTALL SCES AND ALL EROSION AND SEDIMENT CONTROL MEASURES FOR RUNAROUND ROAD CONSTRUCTION, AS SHOWN ON SHEETS CS-11 THROUGH CS-14. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES - REINFORCED SILT FENCE (RSF), EARTH DIKES (ED-3 THROUGH ED-11), PERIMETER/DIKE SWALES (PDS-2 THROUGH PDS-3), AND ASSOCIATED CHECK DAMS.
3. EXCAVATE FOR AND CONSTRUCT TEMPORARY STORM DRAIN DEVICES UNDER RUNAROUND ROAD, AS SHOWN ON SHEETS CS-11 THROUGH CS-14. EXCAVATE FOR AND CONSTRUCT PERMANENT STORM DRAIN DEVICES FROM D1261 TO D1262, UNDER RUNAROUND ROAD, AS SHOWN ON SHEET CS-13. EXCAVATE FOR AND CONSTRUCT TEMPORARY RUNAROUND ROAD FOR JAMISON CORNER ROAD (STA. 205+00 TO STA. 228+00).
4. CONSTRUCT PROPOSED RUNAROUND ROAD TO MATCH PAVEMENT CONSTRUCTED UNDER CONTRACT T200712003.
5. CONSTRUCT PROPOSED RUNAROUND ROAD TO MATCH PAVEMENT CONSTRUCTED UNDER CONTRACT T200912001.
6. INSTALL EROSION AND SEDIMENT CONTROL DEVICES - RSF, ED-6, ED-7, PDS-3, AND RESOURCE PROTECTION FENCE FOR REMAINING PHASE I CONSTRUCTION. MAINTAIN CHANNEL FLOW (STA. 799+50) AT HAUL ROAD CROSSING AND AT UPSTREAM END OF PDS-3 AND DOWNSTREAM END OF ED-7 UNTIL CONSTRUCTION OF ED-12 AND CULVERT P-392 AT STA. 801+75.



PHASE I SEQUENCE OF CONSTRUCTION

7. EXCAVATE FOR AND COMPLETE GRADING FOR SEDIMENT BASIN SB731 NEAR 785+50 RT AND FOR SEDIMENT BASIN SB733 NEAR STA. 805+00 LT.
8. EXCAVATE FOR AND CONSTRUCT STORM DRAIN NETWORKS FROM STA. 770+50 TO STA. 789+00. INSTALL INLET SEDIMENT CONTROL DEVICES.
9. INSTALL EROSION AND SEDIMENT CONTROL DEVICE ED-12 AND CHECK DAM AND ADJUST PDS-3 AND ED-7 TO DIVERT CHANNEL FLOW TO SEDIMENT CONTROL DEVICES. EXCAVATE FOR AND CONSTRUCT CULVERT P-392. INSTALL TSP-24" HDPE AND ENSURE THAT OFF-SITE, CLEAN-WATER RUNOFF IS DIVERTED THROUGH P-392. UPON COMPLETION OF CULVERT P-392 AND OFF-SITE FLOWS HAVE BEEN DIVERTED, ED-12 SHALL BE REMOVED.
10. CONSTRUCT PROPOSED EARTH BERM (STA. 780+79 LT TO STA. 798+00 LT). COMPLETE GRADING FOR SIDE SLOPES AND DITCHES OR SWALES CONVEYING SEDIMENT-LADEN RUNOFF TO SB731 AND SB733. INSTALL CHECK DAMS AND SILT FENCE PER NOTE ON PHASE I CS SHEETS.
11. EXCEPT WHERE NOTED IN NOTE 9, ALL PHASE I EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE DURING PHASE 2 CONSTRUCTION.
12. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH, PER SPECIFICATIONS PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
13. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES FROM PHASE I PRIOR TO START OF PHASE 2 CONSTRUCTION.

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

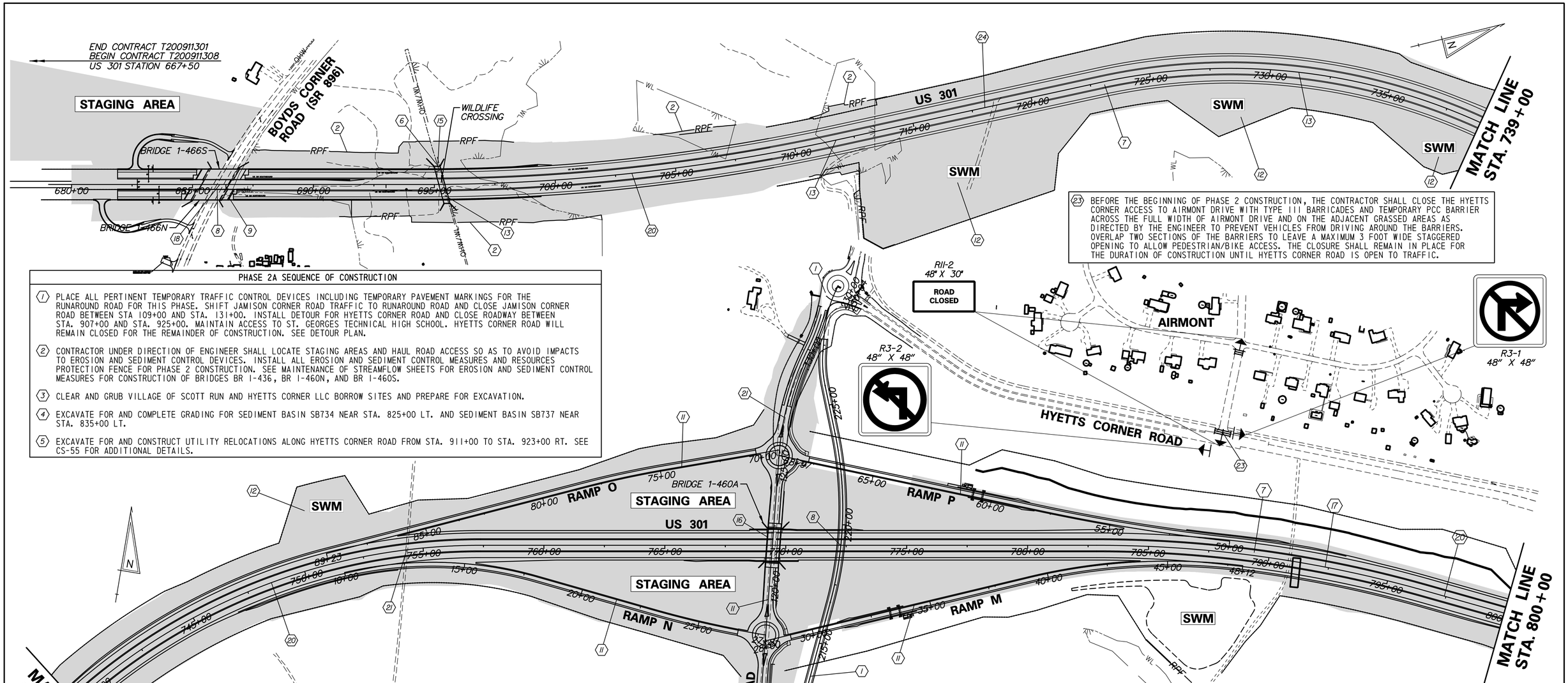
CONTRACT	BRIDGE NO.	
T200911308	DESIGNED BY: SHH	
COUNTY		
NEW CASTLE	CHECKED BY: TAO	

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

CS-05

SHEET NO. 678

TOTAL SHTS. 875



(23) BEFORE THE BEGINNING OF PHASE 2 CONSTRUCTION, THE CONTRACTOR SHALL CLOSE THE HYETTS CORNER ACCESS TO AIRMONT DRIVE WITH TYPE III BARRICADES AND TEMPORARY PCC BARRIER ACROSS THE FULL WIDTH OF AIRMONT DRIVE AND ON THE ADJACENT GRASSED AREAS AS DIRECTED BY THE ENGINEER TO PREVENT VEHICLES FROM DRIVING AROUND THE BARRIERS. OVERLAP TWO SECTIONS OF THE BARRIERS TO LEAVE A MAXIMUM 3 FOOT WIDE STAGGERED OPENING TO ALLOW PEDESTRIAN/BIKE ACCESS. THE CLOSURE SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION UNTIL HYETTS CORNER ROAD IS OPEN TO TRAFFIC.

PHASE 2A SEQUENCE OF CONSTRUCTION

(1) PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY PAVEMENT MARKINGS FOR THE RUNAROUND ROAD FOR THIS PHASE. SHIFT JAMISON CORNER ROAD TRAFFIC TO RUNAROUND ROAD AND CLOSE JAMISON CORNER ROAD BETWEEN STA 109+00 AND STA. 131+00. INSTALL DETOUR FOR HYETTS CORNER ROAD AND CLOSE ROADWAY BETWEEN STA. 907+00 AND STA. 925+00. MAINTAIN ACCESS TO ST. GEORGES TECHNICAL HIGH SCHOOL. HYETTS CORNER ROAD WILL REMAIN CLOSED FOR THE REMAINDER OF CONSTRUCTION. SEE DETOUR PLAN.

(2) CONTRACTOR UNDER DIRECTION OF ENGINEER SHALL LOCATE STAGING AREAS AND HAUL ROAD ACCESS SO AS TO AVOID IMPACTS TO EROSION AND SEDIMENT CONTROL DEVICES. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AND RESOURCES PROTECTION FENCE FOR PHASE 2 CONSTRUCTION. SEE MAINTENANCE OF STREAMFLOW SHEETS FOR EROSION AND SEDIMENT CONTROL MEASURES FOR CONSTRUCTION OF BRIDGES BR 1-436, BR 1-460N, AND BR 1-460S.

(3) CLEAR AND GRUB VILLAGE OF SCOTT RUN AND HYETTS CORNER LLC BORROW SITES AND PREPARE FOR EXCAVATION.

(4) EXCAVATE FOR AND COMPLETE GRADING FOR SEDIMENT BASIN SB734 NEAR STA. 825+00 LT. AND SEDIMENT BASIN SB737 NEAR STA. 835+00 LT.

(5) EXCAVATE FOR AND CONSTRUCT UTILITY RELOCATIONS ALONG HYETTS CORNER ROAD FROM STA. 911+00 TO STA. 923+00 RT. SEE CS-55 FOR ADDITIONAL DETAILS.

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE

PHASE 2B SEQUENCE OF CONSTRUCTION

(6) CONSTRUCT TEMPORARY CHANNEL DIVERSION AND TEMPORARY WETLAND ACCESS ROAD AT STA. 695+40 LT.

(7) CONSTRUCT HAUL ROAD AND BEGIN MASS HAULING OPERATIONS TO CONSTRUCT APPROACHES FOR BRIDGES 1-460A, 1-436, 1-466N AND 1-466S.

(8) HAUL ROAD CROSSINGS AT THE RUNAROUND ROAD AND SR 896 SHALL OPERATE UNDER FLAGGER CONTROL. THE CROSSING AT SR 896 SHALL BE PROHIBITED BETWEEN THE HOURS OF 6AM TO 9AM AND 3PM TO 6PM.

(9) CONSTRUCT MSE WALLS AT BRIDGES 1-466N AND 1-466S AND PLACE BORROW MATERIAL TO BEGIN 60-DAY SURCHARGE.

(10) PLACE BORROW MATERIAL ALONG APPROACHES TO BRIDGE 1-436 TO BEGIN 60-DAY SURCHARGE.

(11) CONTINUE MASS HAULING OPERATIONS TO JAMISON CORNER ROAD AND CONSTRUCT APPROACHES TO BRIDGE 1-460A. COMPLETE ROUGH GRADING FOR RAMP APPROACHES AT RAMPS M, N, O, AND P.

(12) INSTALL TEMPORARY SLOPE DRAINS (TSD-24" HDPE) AT STA. 712+00 AND STA. 731+50. EXCAVATE FOR AND CONSTRUCT CULVERTS P-395, P-397, P-391, AND P-398. UPON COMPLETION OF CULVERTS, ADJUST EROSION AND SEDIMENT CONTROL DEVICES UPSTREAM AND DOWNSTREAM SO OFFSITE, CLEAN-WATER FLOWS ARE DIVERTED TO STABLE OUTFALLS AND ONSITE SEDIMENT-LADEN RUNOFF IS DIVERTED TO A SEDIMENT CONTROL DEVICE.

(13) EXCAVATE FOR AND COMPLETE GRADING FOR ALL REMAINING SEDIMENT BASINS SB720, SB722, SB723, AND SB725.

PHASE 2C SEQUENCE OF CONSTRUCTION

(14) COORDINATE EXCAVATION FOR AND CONSTRUCTION OF STORM DRAIN NETWORKS ALONG ALIGNMENT WITH FINAL CONSTRUCTION OF MAJOR CULVERTS AND BRIDGES. INSTALL INLET SEDIMENT CONTROL DEVICES. COMPLETE ROUGH GRADING ALONG US 301 FROM STA. 690+00 TO STA. 800+00. COMPLETE GRADING OF DITCHES AND SWALES CONVEYING SEDIMENT-LADEN RUNOFF TO THE SEDIMENT BASINS. INSTALL CHECK DAMS AND SILT FENCE AT TOE OF SLOPE PER NOTE ON PHASE 2 CS SHEETS.

(15) CONSTRUCT CULVERT AND WILDLIFE CROSSING AT STA. 695+40. REMOVE TEMPORARY WETLAND ACCESS ROAD AND CHANNEL DIVERSION AT STA. 695+40. STABILIZE ALL WETLAND AREAS PER ENVIRONMENTAL COMPLIANCE SPECIFICATIONS.

(16) COMPLETE BRIDGE CONSTRUCTION FOR BRIDGES 1-460A AND 1-436.

(17) INSTALL EROSION AND SEDIMENT CONTROL DEVICES FOR SCOTT RUN STREAM RESTORATION ACTIVITIES. PROCEED WITH SCOTT RUN STREAM RESTORATION ACTIVITIES UNDER PROPOSED BRIDGES BR 1-460N AND BR 1-460S. REFER TO STREAM RESTORATION PLANS AND MAINTENANCE OF STREAMFLOW PLANS (SEE MS 7-01 AND MS 7-02) FOR DETAILS. CONSTRUCT WETLAND ACCESS ROAD FOR CONSTRUCTION OF BRIDGES BR 1-460N AND BR 1-460S (SEE MS 7-03 AND MS 7-04).

(18) CONSTRUCT BRIDGES 1-436A, 1-460N, 1-460S, 1-466N AND 1-466S. RE-GRADE FOR APPROACHES TO BRIDGES 1-436, 1-460N, 1-460S, 1-466N AND 1-466S.

(19) COMPLETE GRADING FOR AROUND WINGWALLS AND MSE WALLS, AS WELL AS, SIDE SLOPES AND DITCHES OR SWALES CONVEYING SEDIMENT LADEN RUNOFF TO ALL SEDIMENT BASINS.

(20) PROCEED WITH ROUGH GRADING ALONG US 301 FROM STA. 800+00 TO STA. 848+00 AND RAMP Q FROM STA. 1028+50 TO STA. 1038+95.

PHASE 2D SEQUENCE OF CONSTRUCTION

(21) COMPLETE FINAL GRADING AND INSTALL PROPOSED STORM DRAIN NETWORK ALONG JAMISON CORNER ROAD. EXCAVATE FOR AND INSTALL UNDERDRAIN ALONG US 301 FROM STA. 680+00 TO STA. 848+00 BEGINNING AT THE DOWNSTREAM END OF EACH OUTFALL.

(22) EXCEPT WHERE NOTED, ALL PHASE 2 EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE DURING PHASE 3 CONSTRUCTION. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH, PER SPECIFICATIONS PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

CS-06

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: SHH
COUNTY	
NEW CASTLE	CHECKED BY: TAO

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

SHEET NO. 679

TOTAL SHTS. 875

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PHASE 2A SEQUENCE OF CONSTRUCTION

(1) PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY PAVEMENT MARKINGS FOR THE RUNAROUND ROAD FOR THIS PHASE. SHIFT JAMISON CORNER ROAD TRAFFIC TO MRUNAROUND ROAD AND CLOSE JAMISON CORNER ROAD BETWEEN STA 109+00 AND STA. 131+00. INSTALL DETOUR FOR HYETTS CORNER ROAD AND CLOSE ROADWAY BETWEEN STA. 907+00 AND STA. 925+00. MAINTAIN ACCESS TO ST. GEORGES TECHNICAL HIGH SCHOOL. HYETTS CORNER ROAD WILL REMAIN CLOSED FOR THE REMAINDER OF CONSTRUCTION. SEE DETOUR PLAN.

(2) CONTRACTOR UNDER DIRECTION OF ENGINEER SHALL LOCATE STAGING AREAS AND HAUL ROAD ACCESS SO AS TO AVOID IMPACTS TO EROSION AND SEDIMENT CONTROL DEVICES. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AND RESOURCES PROTECTION FENCE FOR PHASE 2 CONSTRUCTION. SEE MAINTENANCE OF STREAMFLOW SHEETS FOR EROSION AND SEDIMENT CONTROL MEASURES FOR CONSTRUCTION OF BRIDGES BR 1-436, BR 1-460N, AND BR 1-460S.

(3) CLEAR AND GRUB VILLAGE OF SCOTT RUN AND HYETTS CORNER LLC BORROW SITES AND PREPARE FOR EXCAVATION.

(4) EXCAVATE FOR AND COMPLETE GRADING FOR SEDIMENT BASIN SB734 NEAR STA. 825+00 LT. AND SEDIMENT BASIN SB737 NEAR STA. 835+00 LT.

(5) EXCAVATE FOR AND CONSTRUCT UTILITY RELOCATIONS ALONG HYETTS CORNER ROAD FROM STA. 911+00 TO STA. 923+00 RT. SEE CS-55 FOR ADDITIONAL DETAILS.

PHASE 2B SEQUENCE OF CONSTRUCTION

(6) CONSTRUCT TEMPORARY CHANNEL DIVERSION AND TEMPORARY WETLAND ACCESS ROAD AT STA. 695+40 LT.

(7) CONSTRUCT HAUL ROAD AND BEGIN MASS HAULING OPERATIONS TO CONSTRUCT APPROACHES FOR BRIDGES 1-460A, 1-436, 1-466N AND 1-466S.

(8) HAUL ROAD CROSSINGS AT THE RUNAROUND ROAD AND SR 896 SHALL OPERATE UNDER FLAGGER CONTROL. THE CROSSING AT SR 896 SHALL BE PROHIBITED BETWEEN THE HOURS OF 6AM TO 9AM AND 3PM TO 6PM.

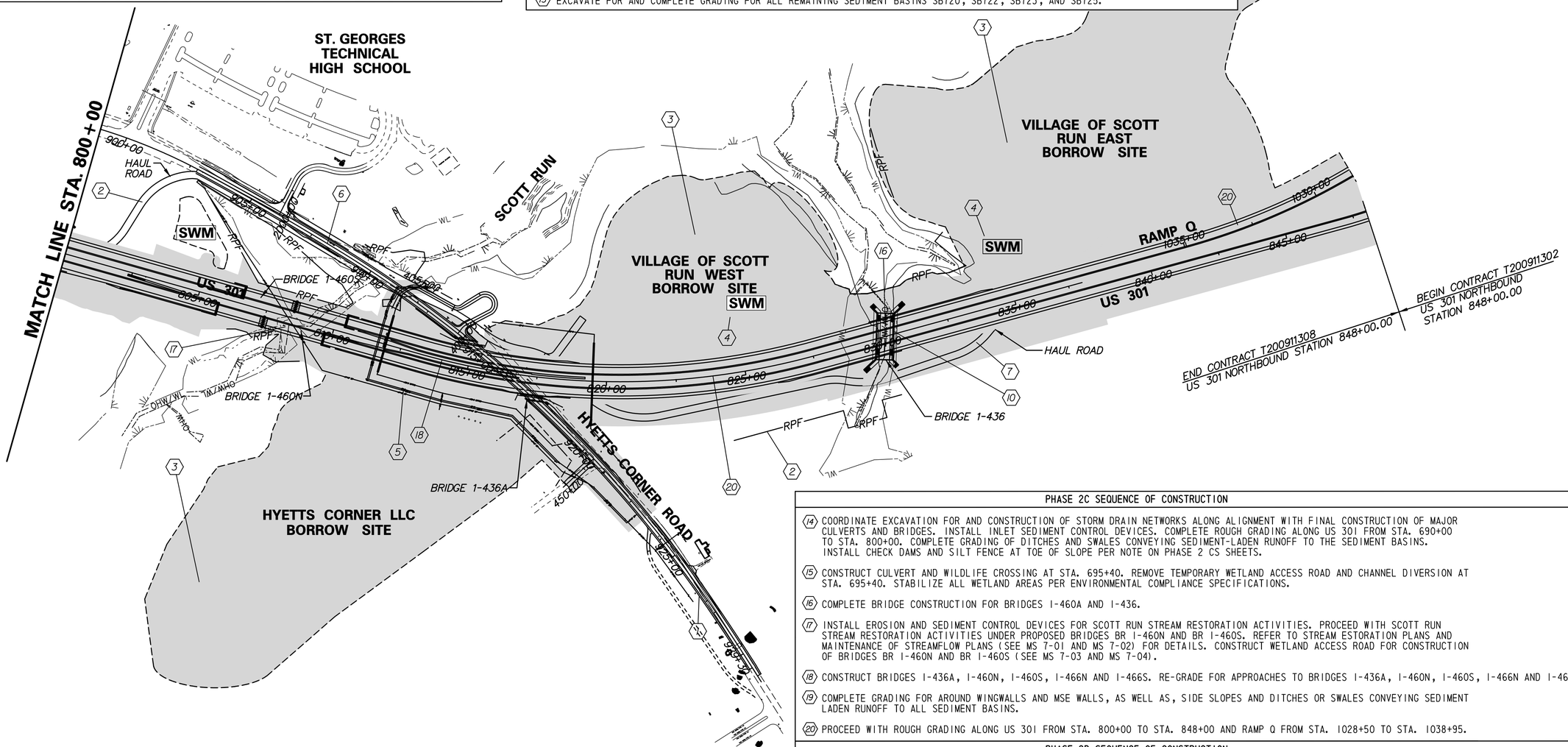
(9) CONSTRUCT MSE WALLS AT BRIDGES 1-466N AND 1-466S AND PLACE BORROW MATERIAL TO BEGIN 60-DAY SURCHARGE.

(10) PLACE BORROW MATERIAL ALONG APPROACHES TO BRIDGE 1-436 TO BEGIN 60-DAY SURCHARGE.

(11) CONTINUE MASS HAULING OPERATIONS TO JAMISON CORNER ROAD AND CONSTRUCT APPROACHES TO BRIDGE 1-460A. COMPLETE ROUGH GRADING FOR RAMP APPROACHES AT RAMPS M, N, O, AND P.

(12) INSTALL TEMPORARY SLOPE DRAINS (TSD-24" HDPE) AT STA. 712+00 AND STA. 731+50. EXCAVATE FOR AND CONSTRUCT CULVERTS P-395, P-397, P-391, AND P-398. UPON COMPLETION OF CULVERTS, ADJUST EROSION AND SEDIMENT CONTROL DEVICES UPSTREAM AND DOWNSTREAM SO OFFSITE, CLEAN-WATER FLOWS ARE DIVERTED TO STABLE OUTFALLS AND ONSITE SEDIMENT-LADEN RUNOFF IS DIVERTED TO A SEDIMENT CONTROL DEVICE.

(13) EXCAVATE FOR AND COMPLETE GRADING FOR ALL REMAINING SEDIMENT BASINS SB720, SB722, SB723, AND SB725.



PHASE 2C SEQUENCE OF CONSTRUCTION

(14) COORDINATE EXCAVATION FOR AND CONSTRUCTION OF STORM DRAIN NETWORKS ALONG ALIGNMENT WITH FINAL CONSTRUCTION OF MAJOR CULVERTS AND BRIDGES. INSTALL INLET SEDIMENT CONTROL DEVICES. COMPLETE ROUGH GRADING ALONG US 301 FROM STA. 690+00 TO STA. 800+00. COMPLETE GRADING OF DITCHES AND SWALES CONVEYING SEDIMENT-LADEN RUNOFF TO THE SEDIMENT BASINS. INSTALL CHECK DAMS AND SILT FENCE AT TOE OF SLOPE PER NOTE ON PHASE 2 CS SHEETS.

(15) CONSTRUCT CULVERT AND WILDLIFE CROSSING AT STA. 695+40. REMOVE TEMPORARY WETLAND ACCESS ROAD AND CHANNEL DIVERSION AT STA. 695+40. STABILIZE ALL WETLAND AREAS PER ENVIRONMENTAL COMPLIANCE SPECIFICATIONS.

(16) COMPLETE BRIDGE CONSTRUCTION FOR BRIDGES 1-460A AND 1-436.

(17) INSTALL EROSION AND SEDIMENT CONTROL DEVICES FOR SCOTT RUN STREAM RESTORATION ACTIVITIES. PROCEED WITH SCOTT RUN STREAM RESTORATION ACTIVITIES UNDER PROPOSED BRIDGES BR 1-460N AND BR 1-460S. REFER TO STREAM ESTORATION PLANS AND MAINTENANCE OF STREAMFLOW PLANS (SEE MS 7-01 AND MS 7-02) FOR DETAILS. CONSTRUCT WETLAND ACCESS ROAD FOR CONSTRUCTION OF BRIDGES BR 1-460N AND BR 1-460S (SEE MS 7-03 AND MS 7-04).

(18) CONSTRUCT BRIDGES 1-436A, 1-460N, 1-460S, 1-466N AND 1-466S. RE-GRADE FOR APPROACHES TO BRIDGES 1-436A, 1-460N, 1-460S, 1-466N AND 1-466S.

(19) COMPLETE GRADING FOR AROUND WINGWALLS AND MSE WALLS, AS WELL AS, SIDE SLOPES AND DITCHES OR SWALES CONVEYING SEDIMENT LADEN RUNOFF TO ALL SEDIMENT BASINS.

(20) PROCEED WITH ROUGH GRADING ALONG US 301 FROM STA. 800+00 TO STA. 848+00 AND RAMP Q FROM STA. 1028+50 TO STA. 1038+95.

PHASE 2D SEQUENCE OF CONSTRUCTION

(21) COMPLETE FINAL GRADING AND INSTALL PROPOSED STORM DRAIN NETWORK ALONG JAMISON CORNER ROAD. EXCAVATE FOR AND INSTALL UNDERDRAIN ALONG US 301 FROM STA. 680+00 TO STA. 848+00 BEGINNING AT THE DOWNSTREAM END OF EACH OUTFALL.

(22) EXCEPT WHERE NOTED, ALL PHASE 2 EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE DURING PHASE 3 CONSTRUCTION. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH, PER SPECIFICATIONS PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

CS-07

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.	
T200911308	DESIGNED BY: SHH	
COUNTY		
NEW CASTLE	CHECKED BY: TAO	

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

SHEET NO. 680

TOTAL SHTS. 875

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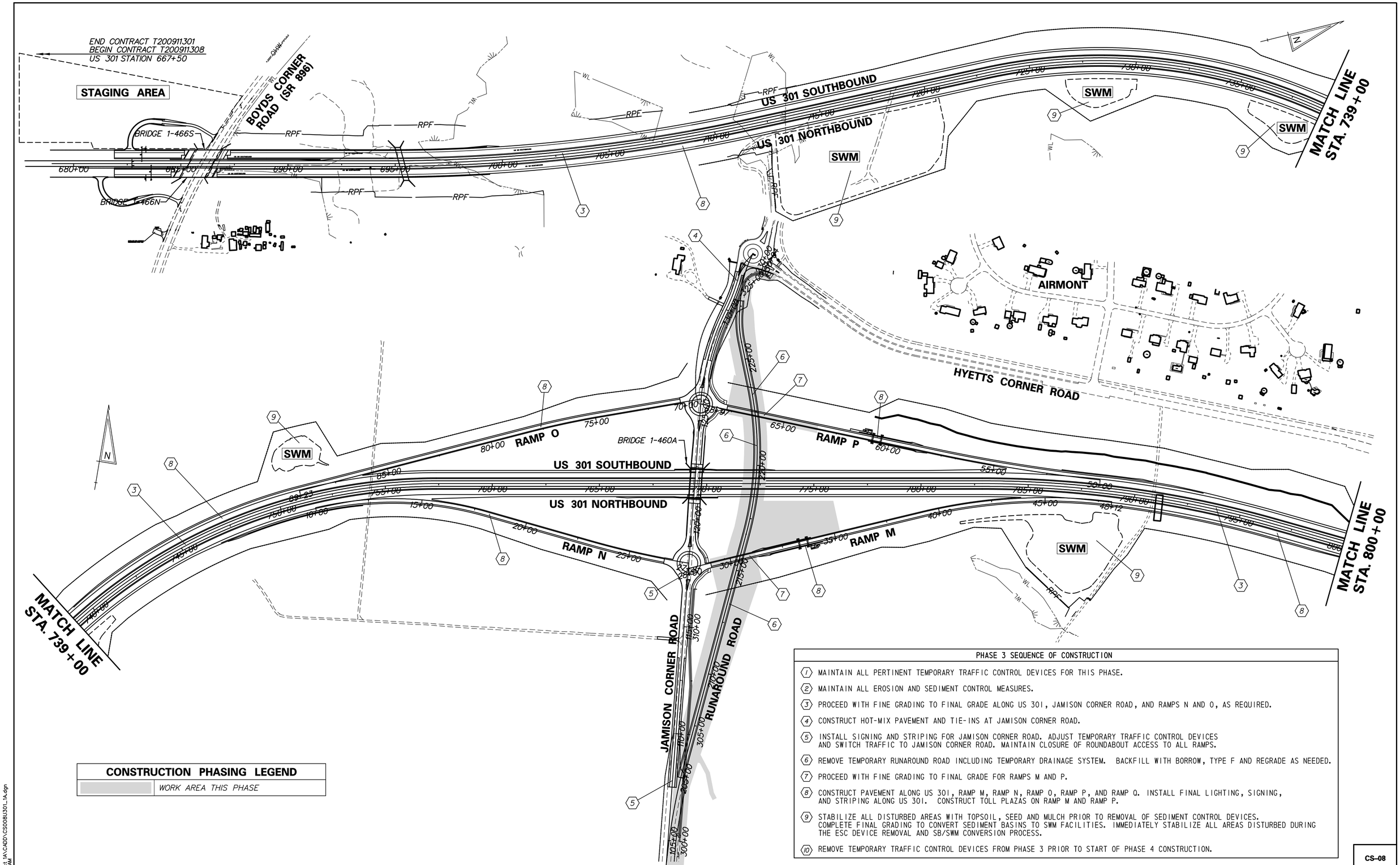

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

PHASE 3 SEQUENCE OF CONSTRUCTION

1. MAINTAIN ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE.
2. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
3. PROCEED WITH FINE GRADING TO FINAL GRADE ALONG US 301, JAMISON CORNER ROAD, AND RAMPS N AND O, AS REQUIRED.
4. CONSTRUCT HOT-MIX PAVEMENT AND TIE-INS AT JAMISON CORNER ROAD.
5. INSTALL SIGNING AND STRIPING FOR JAMISON CORNER ROAD. ADJUST TEMPORARY TRAFFIC CONTROL DEVICES AND SWITCH TRAFFIC TO JAMISON CORNER ROAD. MAINTAIN CLOSURE OF ROUNDABOUT ACCESS TO ALL RAMPS.
6. REMOVE TEMPORARY RUNAROUND ROAD INCLUDING TEMPORARY DRAINAGE SYSTEM. BACKFILL WITH BORROW, TYPE F AND REGRADE AS NEEDED.
7. PROCEED WITH FINE GRADING TO FINAL GRADE FOR RAMPS M AND P.
8. CONSTRUCT PAVEMENT ALONG US 301, RAMP M, RAMP N, RAMP O, RAMP P, AND RAMP Q. INSTALL FINAL LIGHTING, SIGNING, AND STRIPING ALONG US 301. CONSTRUCT TOLL PLAZAS ON RAMP M AND RAMP P.
9. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES. COMPLETE FINAL GRADING TO CONVERT SEDIMENT BASINS TO SWM FACILITIES. IMMEDIATELY STABILIZE ALL AREAS DISTURBED DURING THE ESC DEVICE REMOVAL AND SB/SWM CONVERSION PROCESS.
10. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES FROM PHASE 3 PRIOR TO START OF PHASE 4 CONSTRUCTION.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

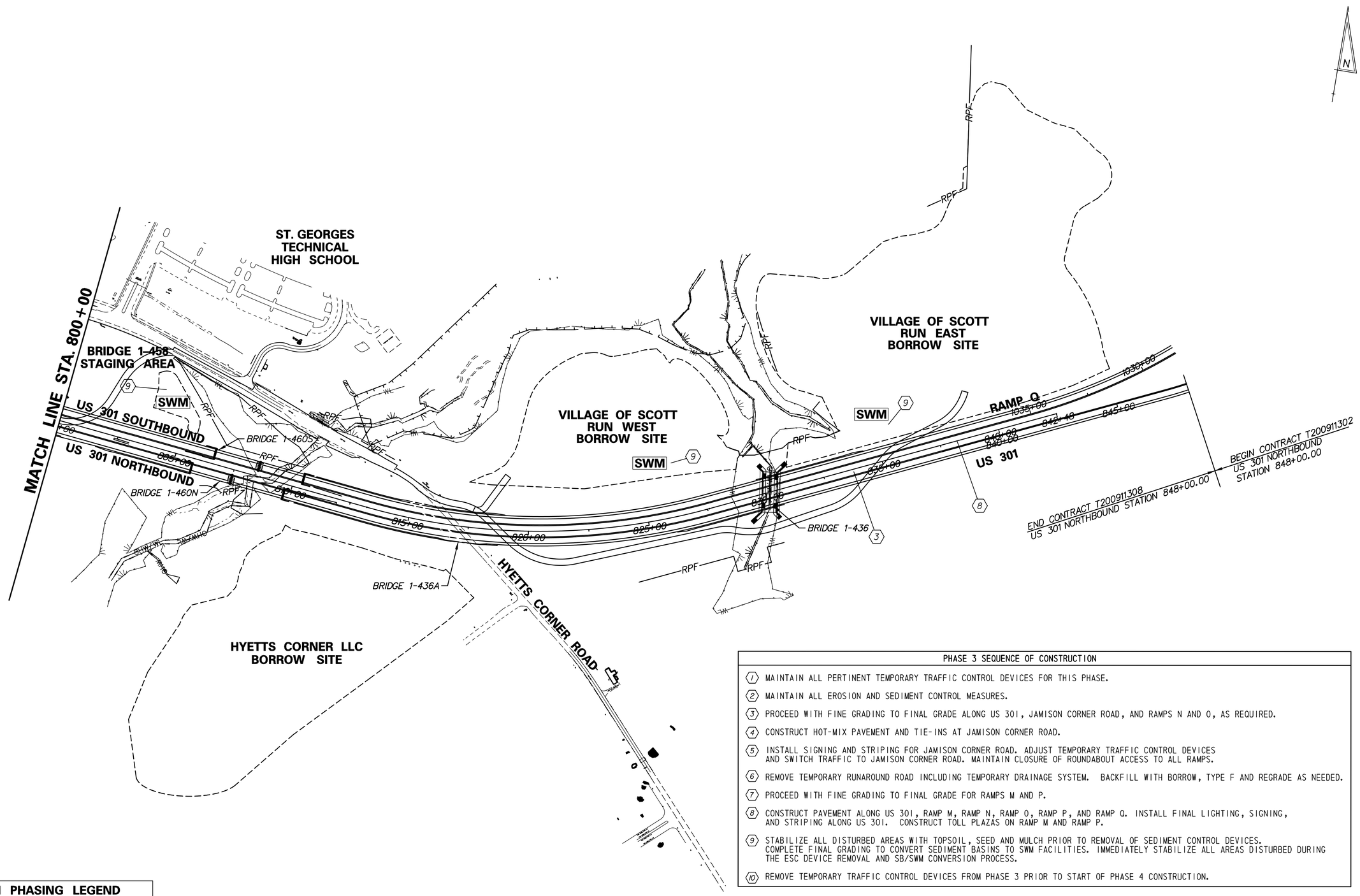
US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: SHH
COUNTY	
NEW CASTLE	CHECKED BY: TAO

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3

CS-08

SHEET NO.
681
TOTAL SHTS.
875



PHASE 3 SEQUENCE OF CONSTRUCTION

1. MAINTAIN ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE.
2. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
3. PROCEED WITH FINE GRADING TO FINAL GRADE ALONG US 301, JAMISON CORNER ROAD, AND RAMPS N AND O, AS REQUIRED.
4. CONSTRUCT HOT-MIX PAVEMENT AND TIE-INS AT JAMISON CORNER ROAD.
5. INSTALL SIGNING AND STRIPING FOR JAMISON CORNER ROAD. ADJUST TEMPORARY TRAFFIC CONTROL DEVICES AND SWITCH TRAFFIC TO JAMISON CORNER ROAD. MAINTAIN CLOSURE OF ROUNDABOUT ACCESS TO ALL RAMPS.
6. REMOVE TEMPORARY RUNAROUND ROAD INCLUDING TEMPORARY DRAINAGE SYSTEM. BACKFILL WITH BORROW, TYPE F AND REGRADE AS NEEDED.
7. PROCEED WITH FINE GRADING TO FINAL GRADE FOR RAMPS M AND P.
8. CONSTRUCT PAVEMENT ALONG US 301, RAMP M, RAMP N, RAMP O, RAMP P, AND RAMP Q. INSTALL FINAL LIGHTING, SIGNING, AND STRIPING ALONG US 301. CONSTRUCT TOLL PLAZAS ON RAMP M AND RAMP P.
9. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES. COMPLETE FINAL GRADING TO CONVERT SEDIMENT BASINS TO SWM FACILITIES. IMMEDIATELY STABILIZE ALL AREAS DISTURBED DURING THE ESC DEVICE REMOVAL AND SB/SWM CONVERSION PROCESS.
10. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES FROM PHASE 3 PRIOR TO START OF PHASE 4 CONSTRUCTION.

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

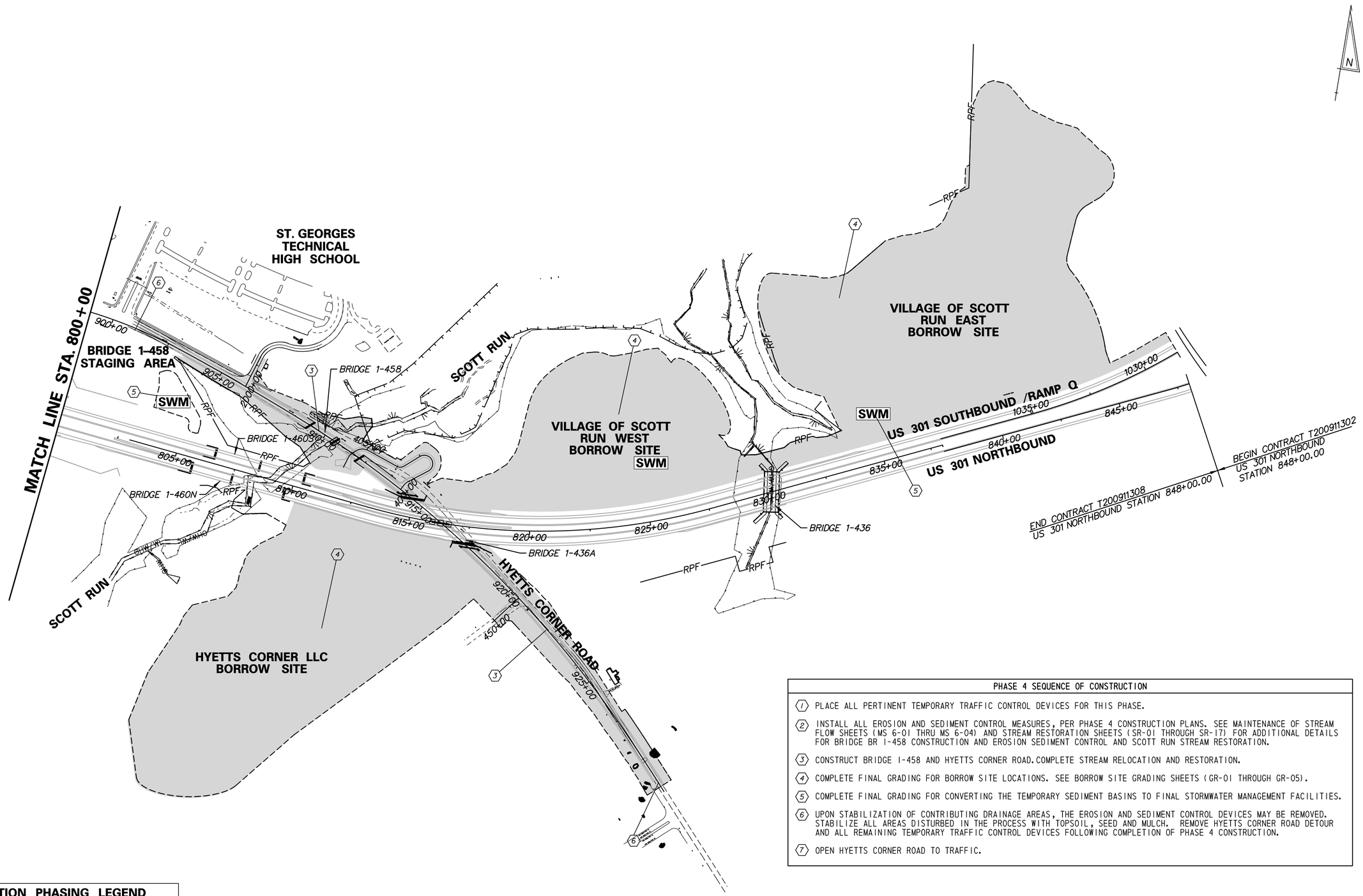
CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: SHH
COUNTY	
NEW CASTLE	CHECKED BY: TAO

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3

CS-09

SHEET NO. 682

TOTAL SHTS. 875



PHASE 4 SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES, PER PHASE 4 CONSTRUCTION PLANS. SEE MAINTENANCE OF STREAM FLOW SHEETS (MS 6-01 THRU MS 6-04) AND STREAM RESTORATION SHEETS (SR-01 THROUGH SR-17) FOR ADDITIONAL DETAILS FOR BRIDGE BR 1-458 CONSTRUCTION AND EROSION SEDIMENT CONTROL AND SCOTT RUN STREAM RESTORATION.
3. CONSTRUCT BRIDGE 1-458 AND HYETTS CORNER ROAD. COMPLETE STREAM RELOCATION AND RESTORATION.
4. COMPLETE FINAL GRADING FOR BORROW SITE LOCATIONS. SEE BORROW SITE GRADING SHEETS (GR-01 THROUGH GR-05).
5. COMPLETE FINAL GRADING FOR CONVERTING THE TEMPORARY SEDIMENT BASINS TO FINAL STORMWATER MANAGEMENT FACILITIES.
6. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREAS, THE EROSION AND SEDIMENT CONTROL DEVICES MAY BE REMOVED. STABILIZE ALL AREAS DISTURBED IN THE PROCESS WITH TOPSOIL, SEED AND MULCH. REMOVE HYETTS CORNER ROAD DETOUR AND ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES FOLLOWING COMPLETION OF PHASE 4 CONSTRUCTION.
7. OPEN HYETTS CORNER ROAD TO TRAFFIC.

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

US 301, SR 896 TO SR 1

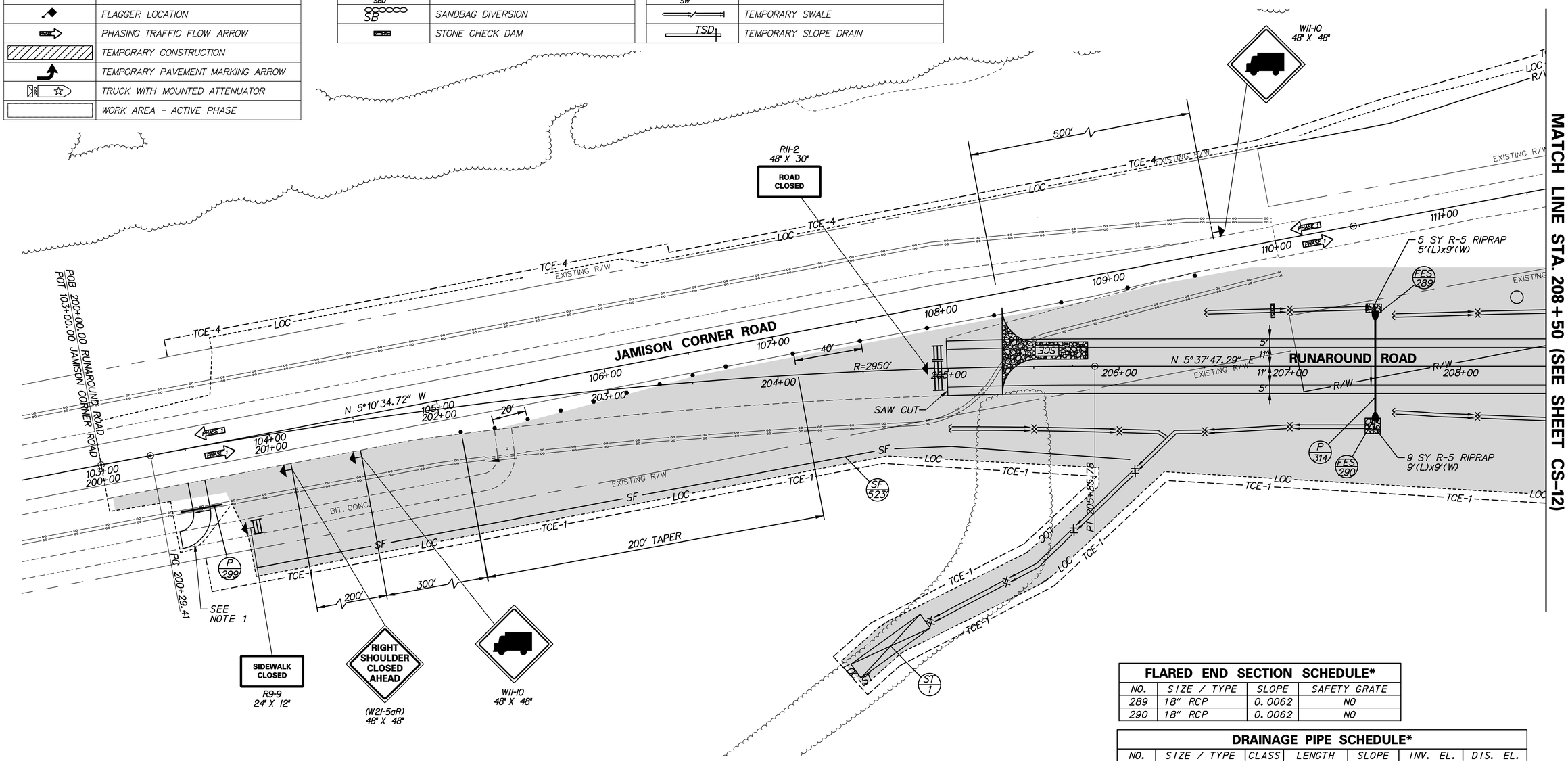
CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: SHH
COUNTY	
NEW CASTLE	CHECKED BY: TAO

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4

CS-10
SHEET NO. 683
TOTAL SHTS. 875

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
—CSF—	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
PHASE	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

EROSION & SEDIMENT CONTROL			
DWB	DEWATERING BASIN	SCE	STABILIZED CONSTRUCTION ENTRANCE
	EROSION CONTROL BLANKET	—SF—	SILT FENCE
ED	EARTH DIKE	SP-1	SUMP PIT, TYPE 1
	INLET SEDIMENT CONTROL	SP-2	SUMP PIT, TYPE 2
	PERIMETER DIKE/SWALE	ST	SEDIMENT TRAP
PST	PORTABLE SEDIMENT TANK	ST	SEDIMENT TRAP WITH INLET AS OUTLET
—RSF—	REINFORCED SILT FENCE	ST	SEDIMENT TRAP PIPE OUTLET
SBD	SANDBAG DIKE	SW	STILLING WELL
SB	SANDBAG DIVERSION		TEMPORARY SWALE
	STONE CHECK DAM	TSD	TEMPORARY SLOPE DRAIN



FLARED END SECTION SCHEDULE*			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
289	18" RCP	0.0062	NO
290	18" RCP	0.0062	NO

DRAINAGE PIPE SCHEDULE*						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
314	18" RCP	IV	63'	0.0062	66.82	66.43
299	15" RCP	III	24'	*	MATCH EX.	MATCH EX.

*THE PROPOSED PIPE SLOPE SHALL MATCH THE SLOPE OF THE EXISTING DITCH

*NOTE:
COST OF TEMPORARY DRAINAGE DEVICE REMOVAL SHALL BE INCIDENTAL TO CONTRACT UNIT COST FOR DEVICE INSTALLATION.

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
1	1.31 AC	208'	5'	2.00'	STONE	66.00	64.00	5.00'	67.00

NOTES:

1. A TEMPORARY CONNECTION BETWEEN THE PATH AND THE EXISTING ROADWAY SHALL BE CONSTRUCTED PRIOR TO THE POINT OF SIDEWALK CLOSURE IN ORDER TO MAINTAIN BIKE ACCESS. THE TEMPORARY CONNECTION SECTION SHALL BE 2" WMA, TYPE C OVER 8" GABC. AT COMPLETION OF PHASE 1 CONSTRUCTION THE TEMPORARY PATH CONNECTION AND PIPE SHALL BE REMOVED AND THE DITCH REGRADED AND STABILIZED. IF THE TEMPORARY PIPE REMAINS IN GOOD CONDITION IT MAY BE REUSED ELSEWHERE ON THE PROJECT.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	
NEW CASTLE	CHECKED BY: TAO

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

CS-11

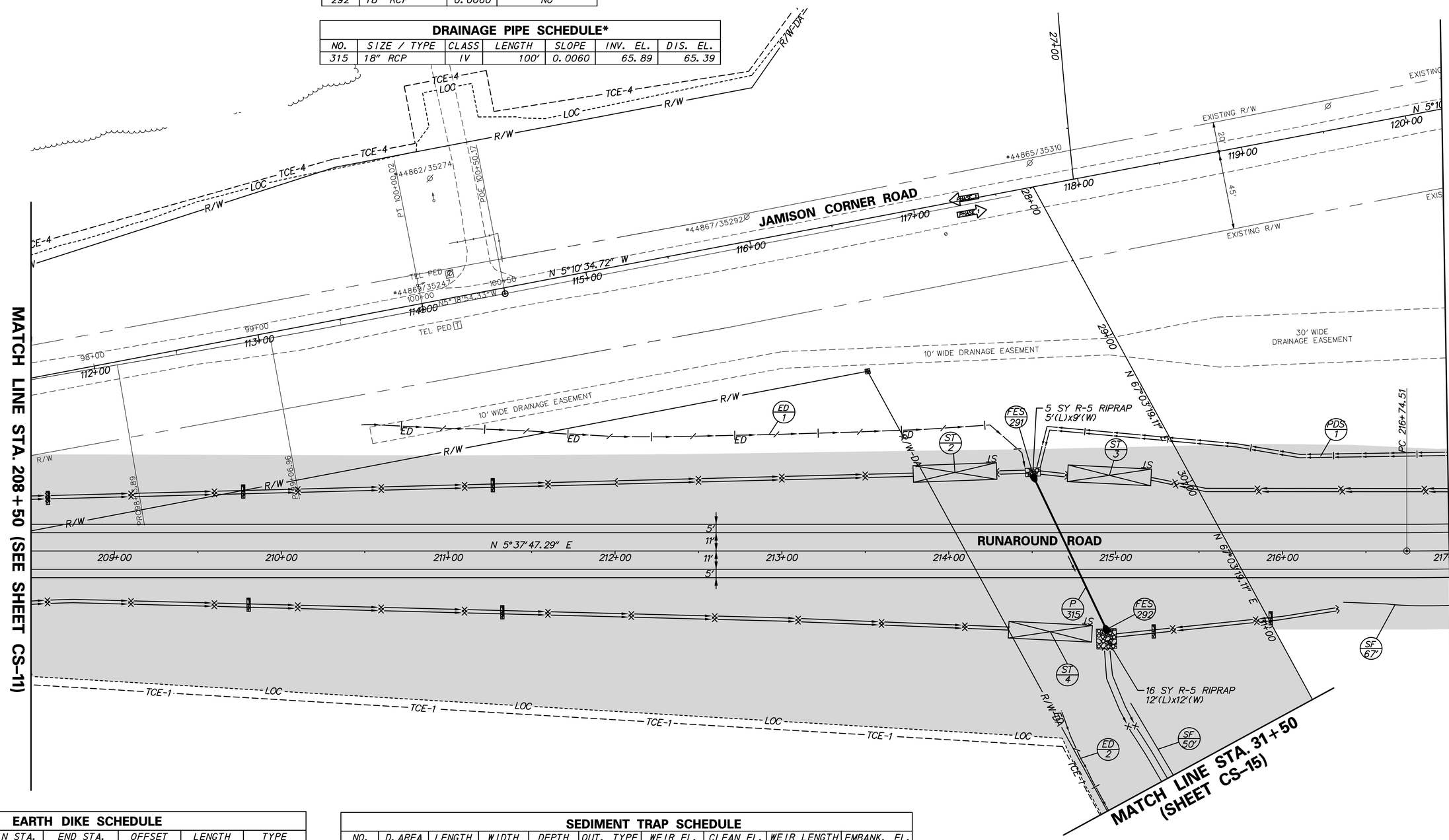
SHEET NO. 684

TOTAL SHTS. 875

FLARED END SECTION SCHEDULE*			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
291	18" RCP	0.0060	NO
292	18" RCP	0.0060	NO

*NOTE:
COST OF TEMPORARY DRAINAGE DEVICE REMOVAL SHALL BE INCIDENTAL TO CONTRACT UNIT COST FOR DEVICE INSTALLATION.

DRAINAGE PIPE SCHEDULE*						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
315	18" RCP	IV	100'	0.0060	65.89	65.39



EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
1	210+48	214+46	-70	412'	A-1
*2	30+84	39+54	125	873'	B-2

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*1	214+54	226+00	-60'	1145'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
2	1.22 AC	66'	24'	2.00'	STONE	72.00	70.00	5.00'	73.00
3	1.67 AC	88'	24'	2.00'	STONE	72.00	70.00	7.00'	73.00
4	0.99 AC	50'	27'	2.00'	STONE	72.00	70.00	4.00'	73.00

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

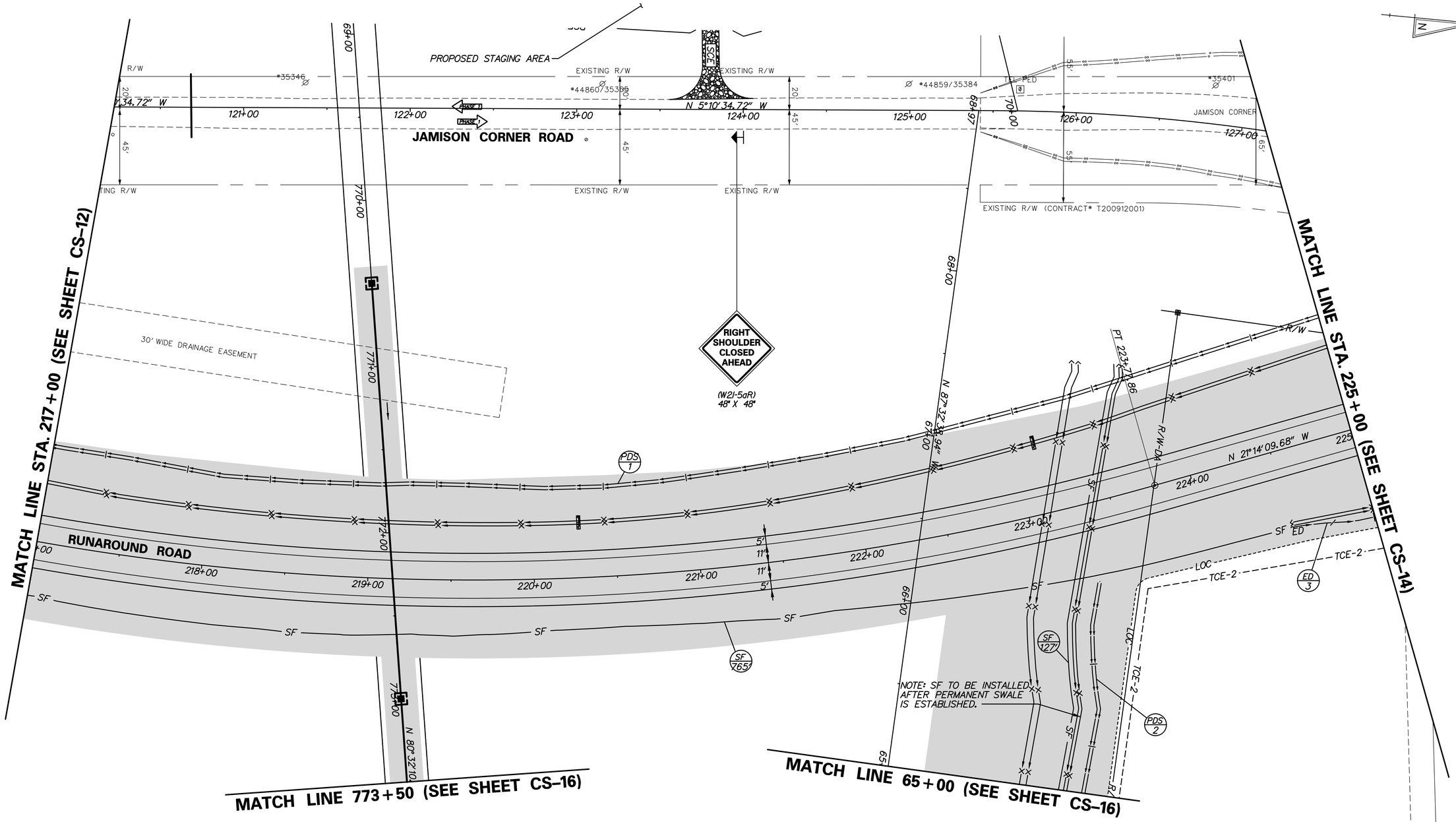
CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	
NEW CASTLE	CHECKED BY: TAO

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

CS-12

SHEET NO. 685

TOTAL SHTS. 875



EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*3	224+50	228+13	60'	350'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*1	214+54	226+00	-60'	1145'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*2	50+00	66+29	130'	1636'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

CS-13

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	
NEW CASTLE	CHECKED BY: TAO

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

SHEET NO. 686

TOTAL SHTS. 875

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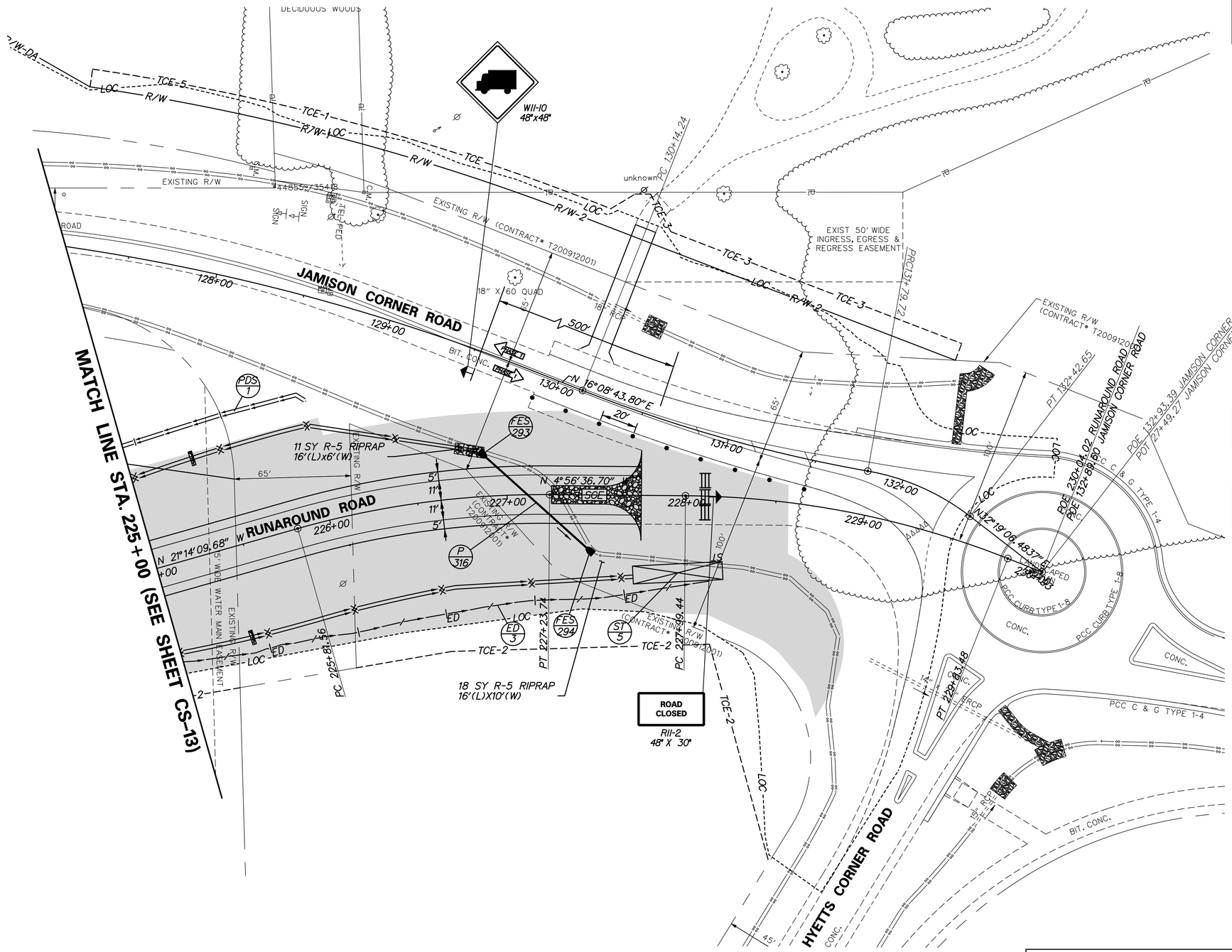
FLARED END SECTION SCHEDULE*			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
293	18" RCP	0.0153	NO
294	18" RCP	0.0153	NO

DRAINAGE PIPE SCHEDULE*						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
316	18" RCP	IV	74'	0.0153	71.39	70.26

*NOTE
COST OF TEMPORARY DRAINAGE DEVICE REMOVAL SHALL BE INCIDENTAL TO CONTRACT UNIT COST FOR DEVICE INSTALLATION.



PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*1	214+54	226+00	-60'	1145'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*3	224+50	228+13	60'	350'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
5	0.68 AC	72'	14'	2.00'	STONE	77.00	75.00	3.00'	78.00

CS-14

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

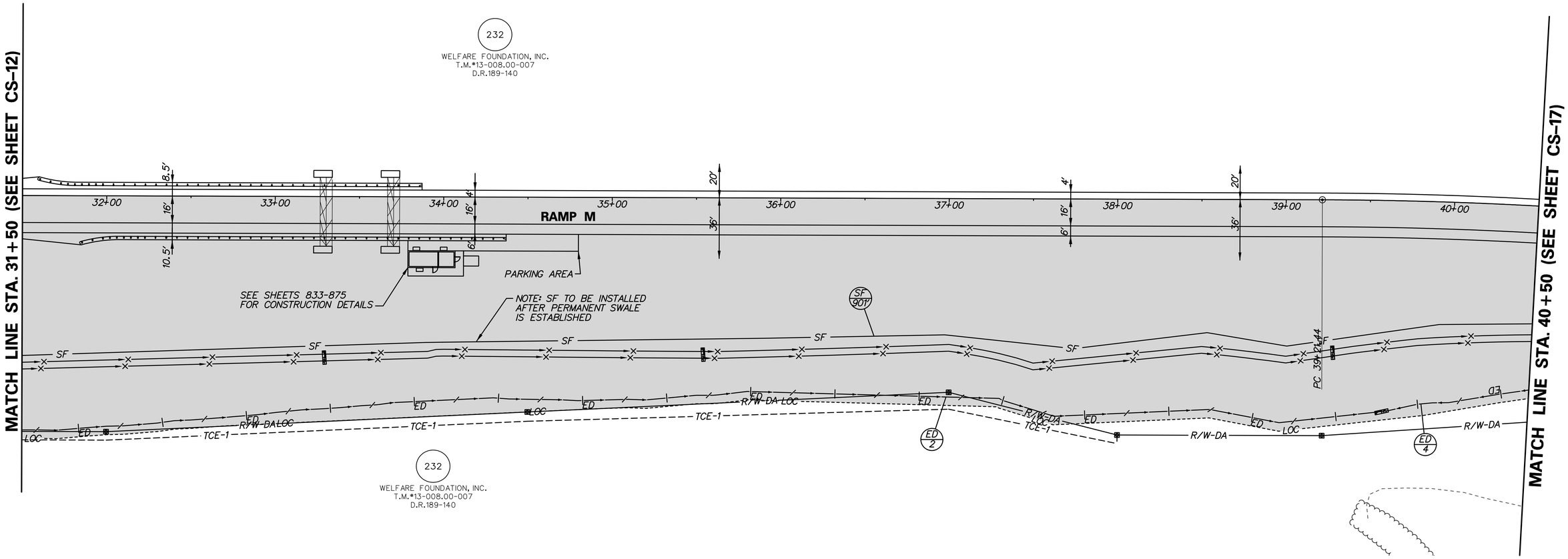
SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT T200911308 | COUNTY NEW CASTLE | BRIDGE NO. | DESIGNED BY: GRP | CHECKED BY: TAO

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

SHEET NO. 687 | TOTAL SHTS. 875



EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*2	30+84	39+54	125'	873'	B-2
*4	41+37	39+62	110'	168'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

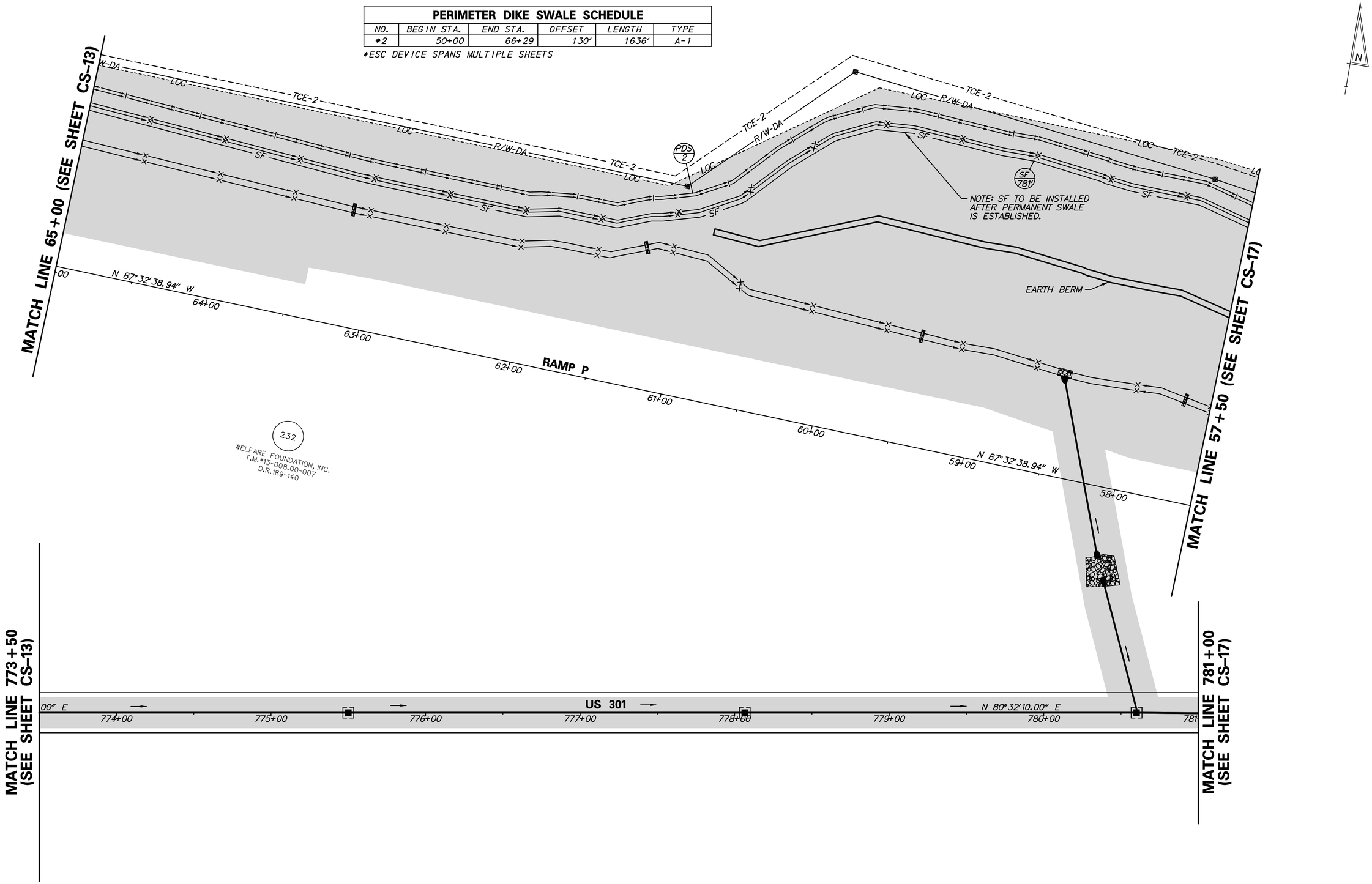
CS-15

SHEET NO. 688

TOTAL SHTS. 875

PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*2	50+00	66+29	130'	1636'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1	CS-16
				COUNTY NEW CASTLE	DESIGNED BY: GRP		SHEET NO. 689
					CHECKED BY: TAO		TOTAL SHTS. 875

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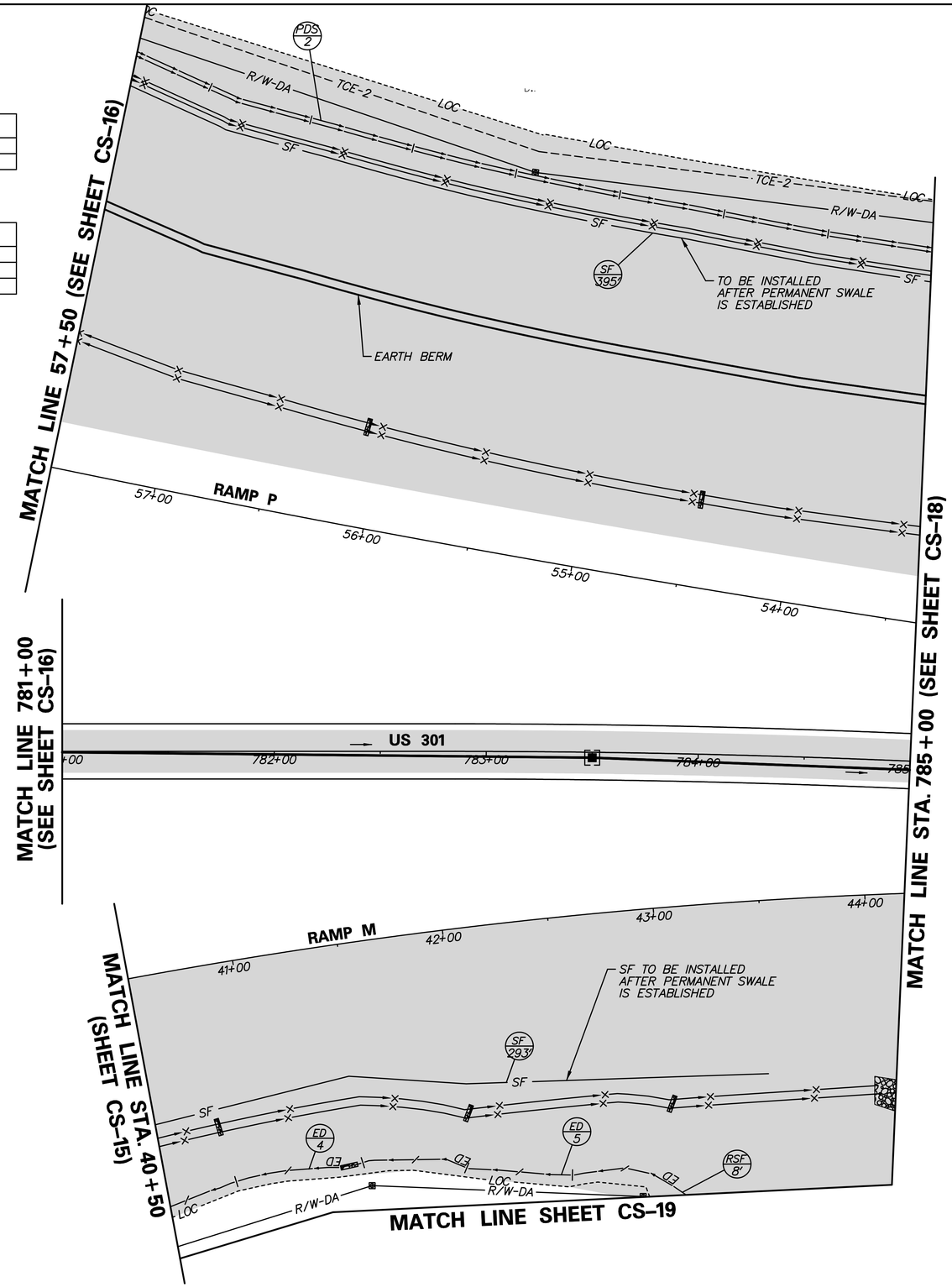
PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*2	50+00	66+29	130'	1636'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*4	41+37	39+62	110'	168'	A-2
5	43+00	41+45	120'	153'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS



DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	
NEW CASTLE	CHECKED BY: TAO

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

CS-17
SHEET NO.
690
TOTAL SHTS.
875

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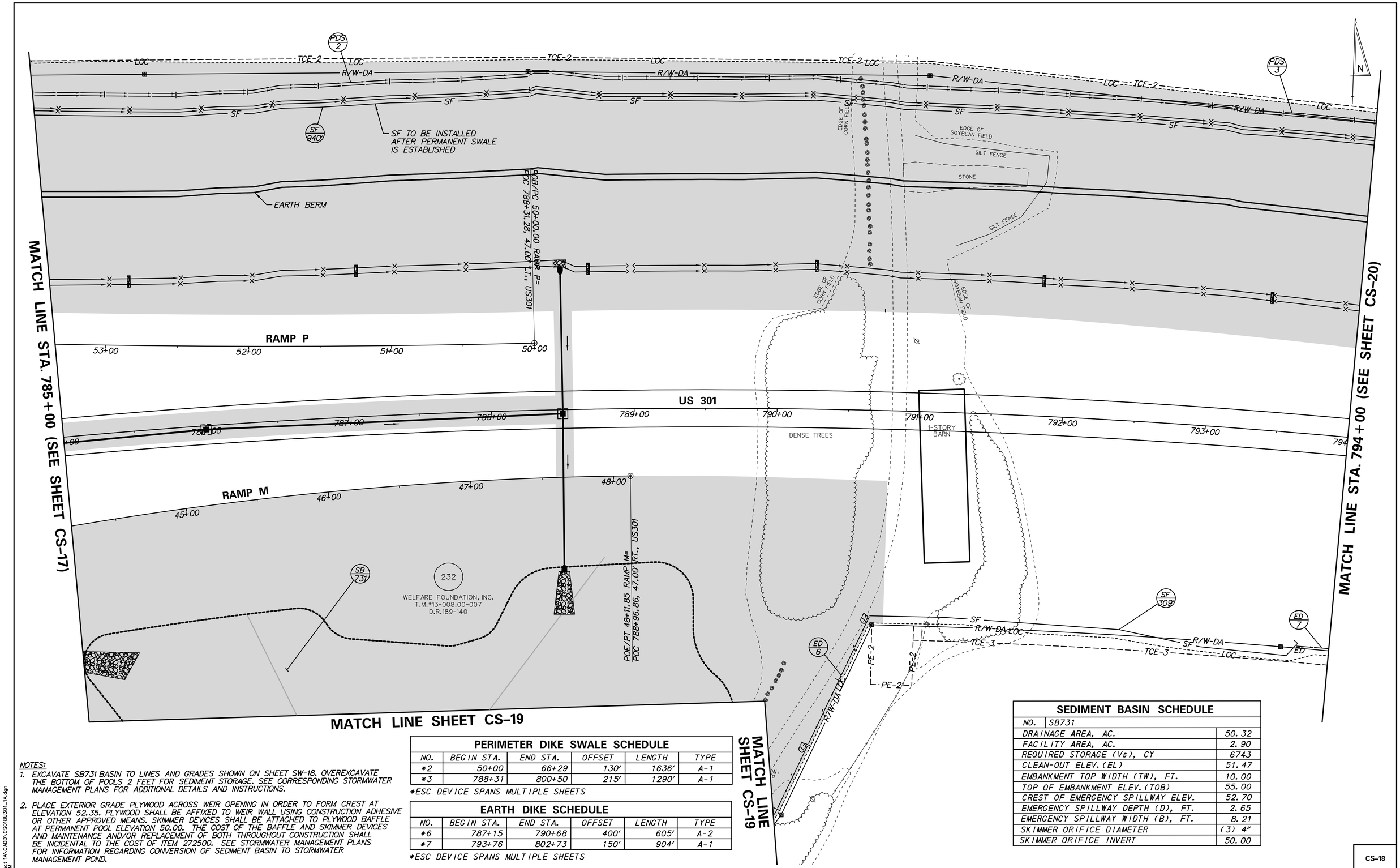

NOTES:

1. EXCAVATE SB731 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-18. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 52.35. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 50.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO THE COST OF ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

PERIMETER DIKE SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*2	50+00	66+29	130'	1636'	A-1
*3	788+31	800+50	215'	1290'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*6	787+15	790+68	400'	605'	A-2
*7	793+76	802+73	150'	904'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

SEDIMENT BASIN SCHEDULE

NO.	SB731
DRAINAGE AREA, AC.	50.32
FACILITY AREA, AC.	2.90
REQUIRED STORAGE (Vs), CY	6743
CLEAN-OUT ELEV. (EL)	51.47
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	55.00
CREST OF EMERGENCY SPILLWAY ELEV.	52.70
EMERGENCY SPILLWAY DEPTH (D), FT.	2.65
EMERGENCY SPILLWAY WIDTH (B), FT.	8.21
SKIMMER ORIFICE DIAMETER	(3) 4"
SKIMMER ORIFICE INVERT	50.00

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

CS–18

SHEET NO. 691

TOTAL SHTS. 875

SEDIMENT BASIN SCHEDULE	
NO.	SB731
DRAINAGE AREA, AC.	50.32
FACILITY AREA, AC.	2.90
REQUIRED STORAGE (Vs), CY	6743
CLEAN-OUT ELEV. (EL)	51.47
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	55.00
CREST OF EMERGENCY SPILLWAY ELEV.	52.35
EMERGENCY SPILLWAY DEPTH (D), FT.	2.65
EMERGENCY SPILLWAY WIDTH (B), FT.	8.21
SKIMMER ORIFICE DIAMETER	(3) 4"
SKIMMER ORIFICE INVERT	50.00

EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*6	787+15	790+68	400'	605'	A-2
8	45+95	46+05	500'	120'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

NOTES:

1. EXCAVATE SB731 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-18. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 52.35. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 50.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

CS-19

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

SHEET NO. 692

TOTAL SHTS. 875

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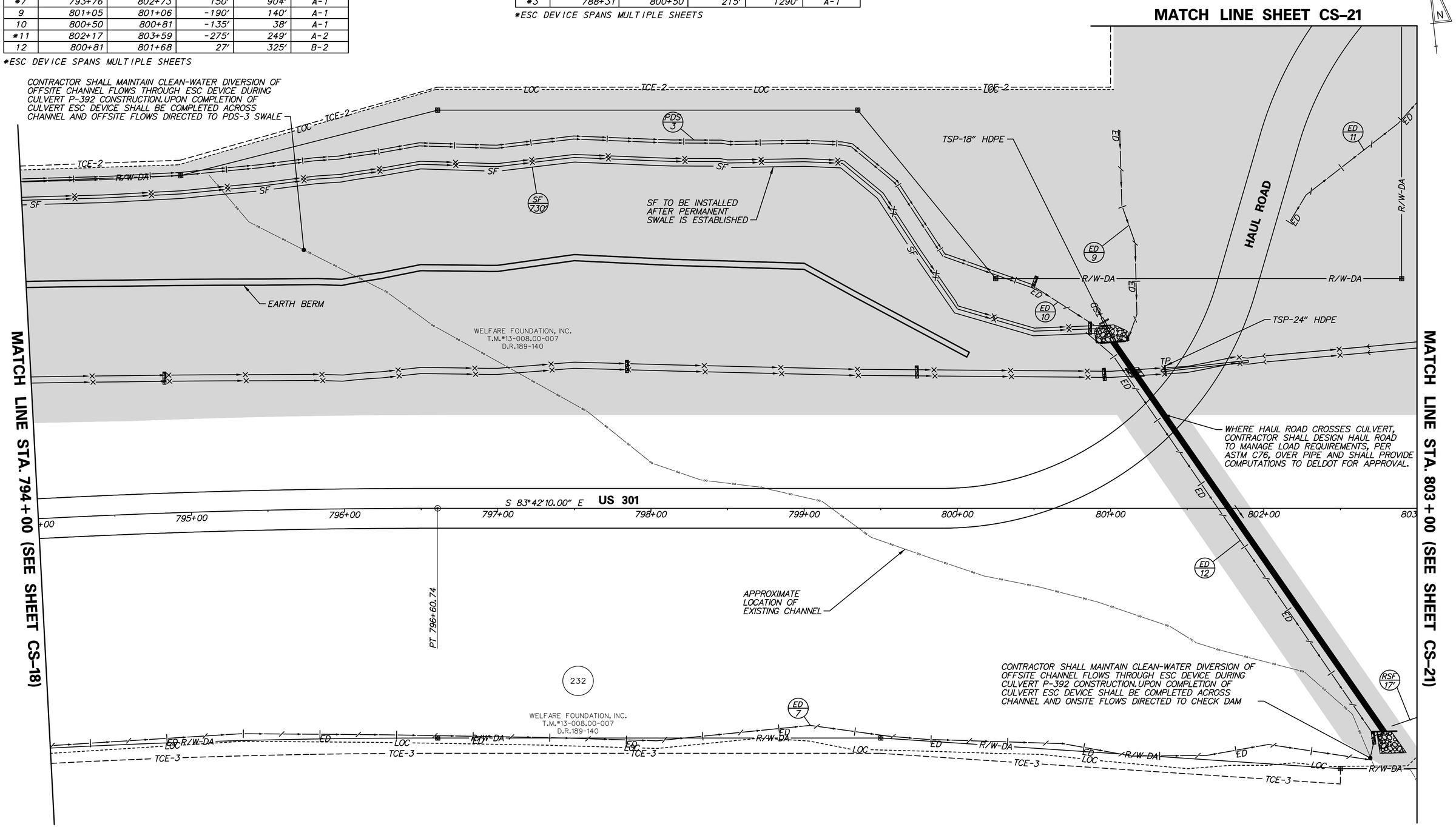
EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*7	793+76	802+73	150'	904'	A-1
9	801+05	801+06	-190'	140'	A-1
10	800+50	800+81	-135'	38'	A-1
*11	802+17	803+59	-275'	249'	A-2
12	800+81	801+68	27'	325'	B-2

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*3	788+31	800+50	215'	1290'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS



CS-20

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

SHEET NO. 693

TOTAL SHTS. 875

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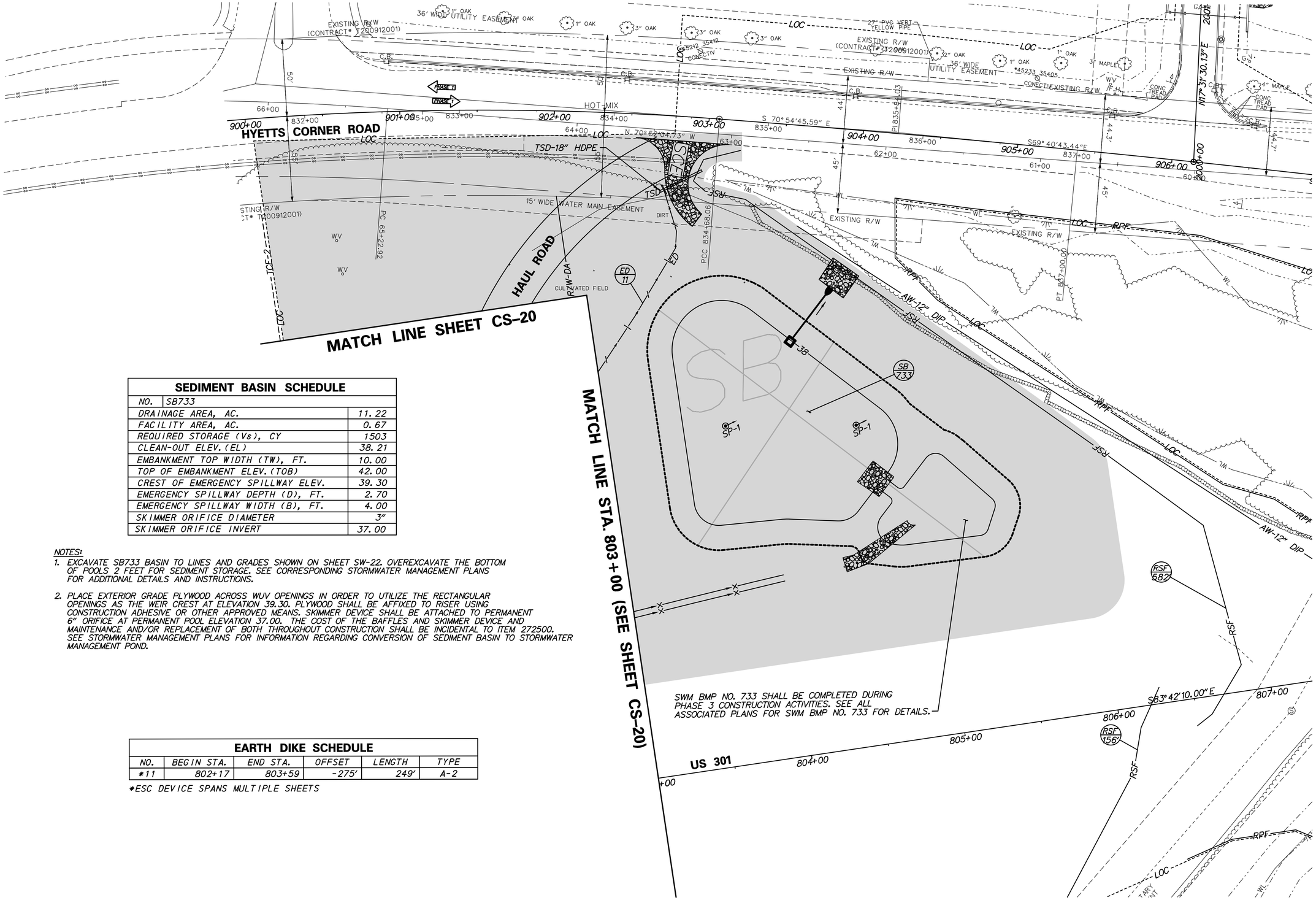

SEDIMENT BASIN SCHEDULE	
NO.	SB733
DRAINAGE AREA, AC.	11.22
FACILITY AREA, AC.	0.67
REQUIRED STORAGE (Vs), CY	1503
CLEAN-OUT ELEV. (EL)	38.21
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	42.00
CREST OF EMERGENCY SPILLWAY ELEV.	39.30
EMERGENCY SPILLWAY DEPTH (D), FT.	2.70
EMERGENCY SPILLWAY WIDTH (B), FT.	4.00
SKIMMER ORIFICE DIAMETER	3"
SKIMMER ORIFICE INVERT	37.00

NOTES:

1. EXCAVATE SB733 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-22. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WUV OPENINGS IN ORDER TO UTILIZE THE RECTANGULAR OPENINGS AS THE WEIR CREST AT ELEVATION 39.30. PLYWOOD SHALL BE AFFIXED TO RISER USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICE SHALL BE ATTACHED TO PERMANENT 6" ORIFICE AT PERMANENT POOL ELEVATION 37.00. THE COST OF THE BAFFLES AND SKIMMER DEVICE AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
*11	802+17	803+59	-275'	249'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT T200911308
COUNTY NEW CASTLE
BRIDGE NO.
DESIGNED BY: GRP
CHECKED BY: TAO

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

CS-21
SHEET NO. 694
TOTAL SHTS. 875

NOTE: SEE LARGE-SCALE PLANS FOR STAGING AREA

BEGIN CONTRACT T200911308 STATION 680+00

W20-1 48" X 48" — ROAD WORK AHEAD

W11-10 48" X 48"

W20-7a 48" X 48"

END DA

END ROAD WORK — G20-2 48" X 24"

PT 202+64.15

PC 204+27.79

PT 204+93.03

PC 9030+16.52

CULT. FIELD

STONE OUTLET PC 200 +97.36

SHOULDER CLOSURE PER TA-5 OF THE DE-MUTCD

40' - 24" HDPE PIPE

NOTE: TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED.

BRIDGE 1-466 SB

BRIDGE 1-466 NB

US 301 SOUTHBOUND

US 301 NORTHBOUND

WOODS

TRAV. PT 171

PC 400+87.96

STONE OUTLET

MATCH LINE STA. 401+50

MATCH LINE STA 698+00

MATCH LINE SHEET CS-23

SEDIMENT TRAP SCHEDULE

NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
200	0.70AC	50'	18'	4.00'	SCD	66.50	64.50	4'	68.00
201	1.52AC	70'	25'	4.00'	SCD	67.50	65.50	5'	69.00

PERIMETER DIKE/SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
24	201+18	204+94	*VARIES	506'	A-1

*NOTE: PERIMETER DIKE SWALE SHALL BE ESTABLISHED ALONG TOE OF PROPOSED EMBANKMENT

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

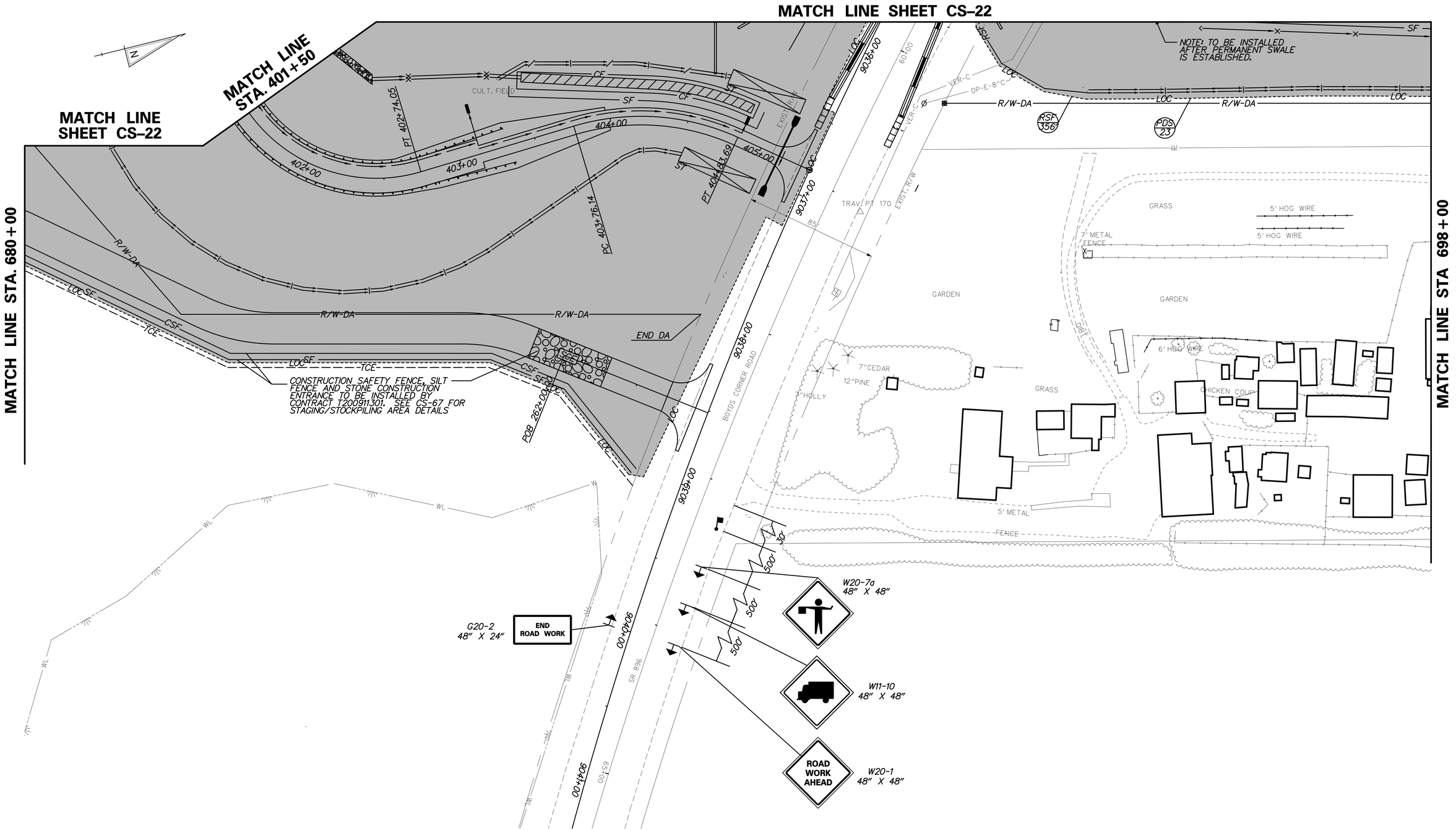
CONTRACT	BRIDGE NO. 1-9
T200911308	DESIGNED BY: WJD
COUNTY	
NEW CASTLE	CHECKED BY: BT

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

CS-22

SHEET NO. 695

TOTAL SHTS. 875



SEDIMENT TRAP SCHEDULE

NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
202	1.56AC	70'	25'	4.00'	SCD	67.00	65.00	5'	68.50
203	0.75AC	50'	20'	4.00'	SCD	66.00	64.00	4'	67.50

PERIMETER DIKE/SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
25	401+07	404+49	*VARIES	475'	A-1

*NOTE: PERIMETER DIKE SWALE SHALL BE ESTABLISHED ALONG TOE OF PROPOSED EMBANKMENT

CS–23

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT T200911308 | COUNTY NEW CASTLE | BRIDGE NO. 1-9 | DESIGNED BY: WJD | CHECKED BY: BT

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

SHEET NO. 696 | TOTAL SHTS. 875

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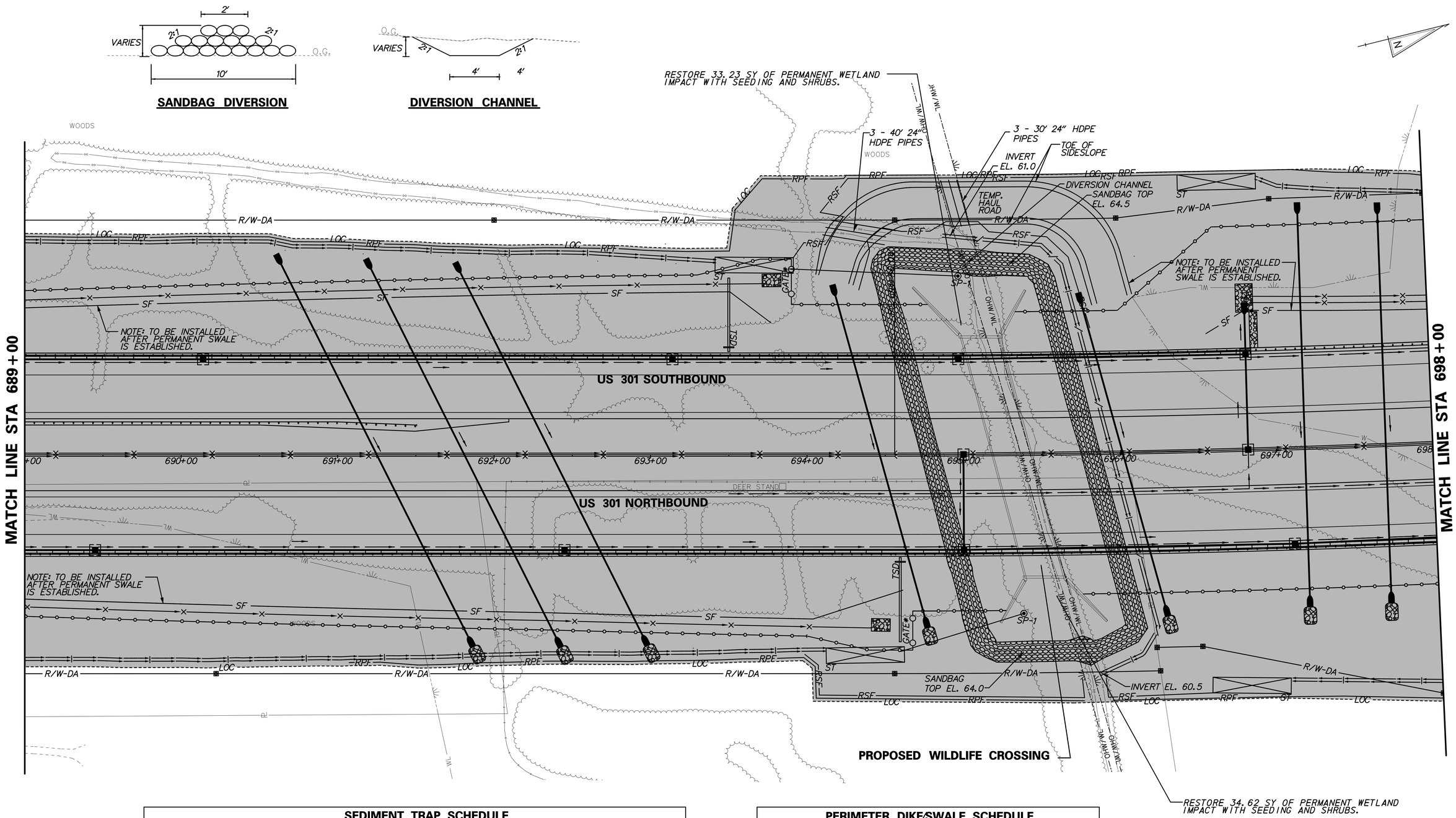

SEDIMENT TRAP SCHEDULE

NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
204	2.21AC	80'	30'	4.00'	SCD	63.50	61.50	6'	65.00
205	2.46AC	90'	30'	4.00'	SCD	62.50	60.50	6'	64.00
206	4.42AC	125'	35'	4.00'	SCD	62.50	60.50	10'	64.00
207	4.68AC	125'	35'	4.00'	SCD	61.50	59.50	12'	63.00

PERIMETER DIKE/SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
20*	696+92	709+45	-138	1253'	A-1
21*	697+05	710+10	135	1305'	A-1
22*	687+62	693+35	-131	573'	A-1
23*	686+81	694+10	129'	729'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

CS-24

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT T200911308
COUNTY NEW CASTLE
BRIDGE NO. 1-9
DESIGNED BY: WJD
CHECKED BY: BT

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

SHEET NO. 697
TOTAL SHTS. 875

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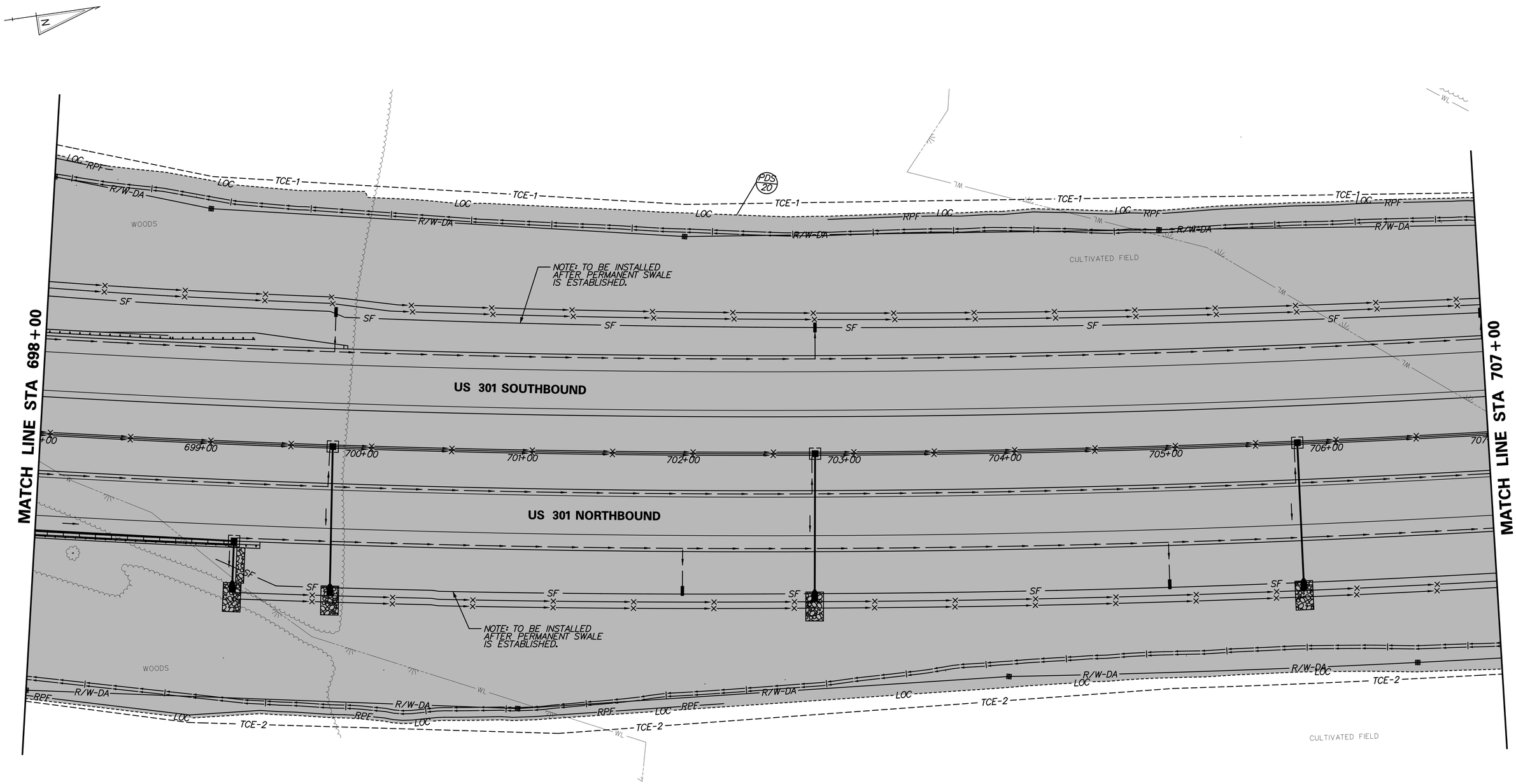

CS-25

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308 / COUNTY NEW CASTLE	BRIDGE NO. 1-9 / DESIGNED BY: WJD / CHECKED BY: BT	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2

SHEET NO. 698 / TOTAL SHTS. 875

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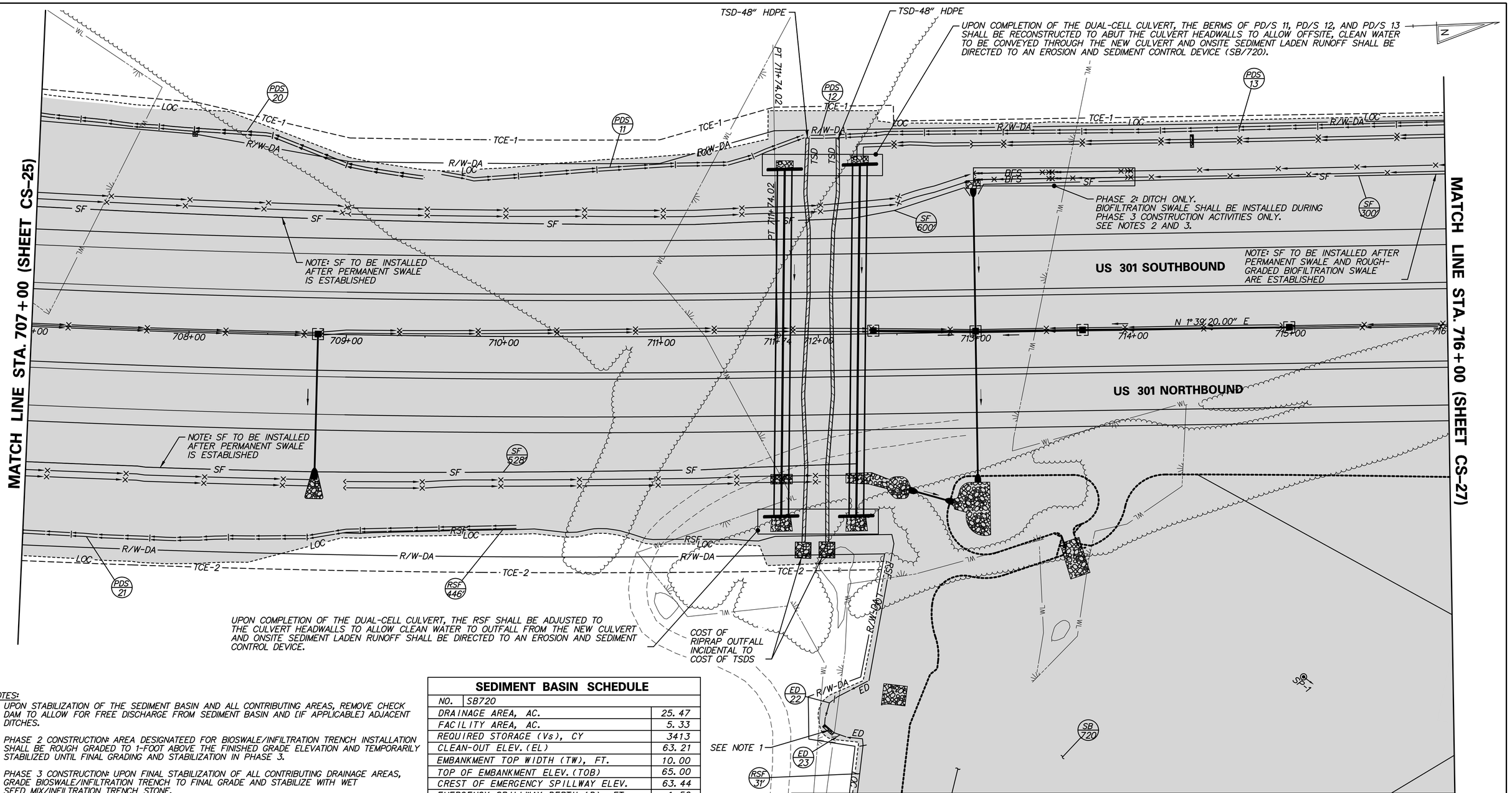

NOTES:

1. UPON STABILIZATION OF THE SEDIMENT BASIN AND ALL CONTRIBUTING AREAS, REMOVE CHECK DAM TO ALLOW FOR FREE DISCHARGE FROM SEDIMENT BASIN AND [IF APPLICABLE] ADJACENT DITCHES.
2. PHASE 2 CONSTRUCTION: AREA DESIGNATEED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
3. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.
4. EXCAVATE SB720 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-01. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
5. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 63.44. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 63.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

SEDIMENT BASIN SCHEDULE

NO.	SB720
DRAINAGE AREA, AC.	25.47
FACILITY AREA, AC.	5.33
REQUIRED STORAGE (Vs), CY	3413
CLEAN-OUT ELEV. (EL)	63.21
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	65.00
CREST OF EMERGENCY SPILLWAY ELEV.	63.44
EMERGENCY SPILLWAY DEPTH (D), FT.	1.56
EMERGENCY SPILLWAY WIDTH (B), FT.	13.25
SKIMMER ORIFICE DIAMETER	(4) 4"
SKIMMER ORIFICE INVERT	63.00

SWM BMP NO. 720 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP NO. 720 FOR DETAILS.

EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
22	712+03	712+34	230.00	45'	A-1
23	712+06	712+24	256.00	25'	A-1

PERIMETER DIKE/SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
11	709+60	711+92	-103.00	231'	A-2
12	711+97	712+13	-127.00	16'	A-2
13*	712+15	726+94	-127.00	1505'	A-2
20*	696+92	709+45	-138.00	1253'	A-1
21*	697+05	710+10	135.00	1305'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

CS-26

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT T200911308 | COUNTY NEW CASTLE | BRIDGE NO. | DESIGNED BY: GRP | CHECKED BY: TAO

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

SHEET NO. 699 | TOTAL SHTS. 875

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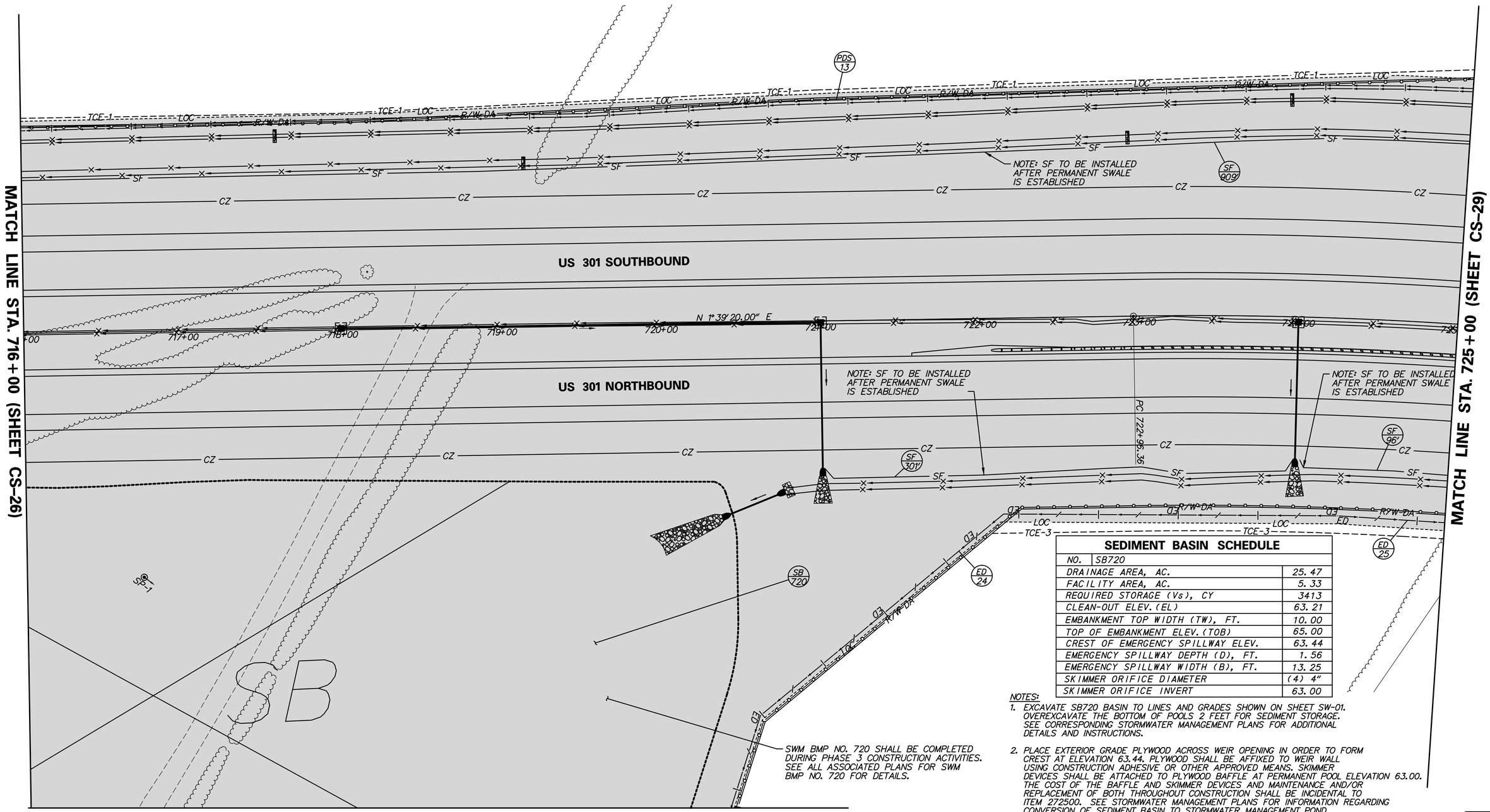
EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
24*	713+44	724+28	420.00	1230'	A-1
25*	724+28	727+08	140.00	745'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE/SWALE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
13*	712+15	726+94	-127.00	1505'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS



SEDIMENT BASIN SCHEDULE	
NO.	SB720
DRAINAGE AREA, AC.	25.47
FACILITY AREA, AC.	5.33
REQUIRED STORAGE (Vs), CY	3413
CLEAN-OUT ELEV. (EL)	63.21
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	65.00
CREST OF EMERGENCY SPILLWAY ELEV.	63.44
EMERGENCY SPILLWAY DEPTH (D), FT.	1.56
EMERGENCY SPILLWAY WIDTH (B), FT.	13.25
SKIMMER ORIFICE DIAMETER	(4) 4"
SKIMMER ORIFICE INVERT	63.00

NOTES:

1. EXCAVATE SB720 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-01. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 63.44. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 63.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

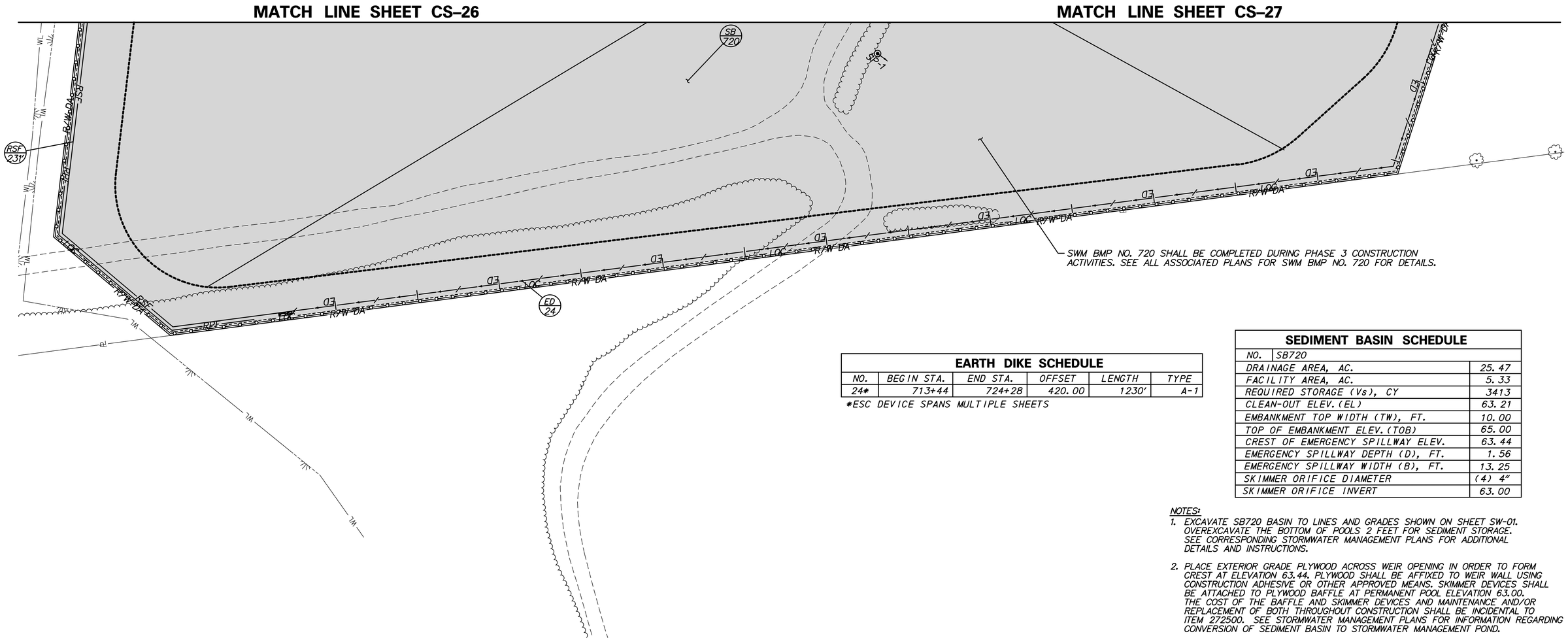
CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

CS-27

SHEET NO. 700

TOTAL SHTS. 875



EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
24*	713+44	724+28	420.00	1230'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

SEDIMENT BASIN SCHEDULE

NO.	SB720
DRAINAGE AREA, AC.	25.47
FACILITY AREA, AC.	5.33
REQUIRED STORAGE (Vs), CY	3413
CLEAN-OUT ELEV. (EL)	63.21
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	65.00
CREST OF EMERGENCY SPILLWAY ELEV.	63.44
EMERGENCY SPILLWAY DEPTH (D), FT.	1.56
EMERGENCY SPILLWAY WIDTH (B), FT.	13.25
SKIMMER ORIFICE DIAMETER	(4) 4"
SKIMMER ORIFICE INVERT	63.00

NOTES:

1. EXCAVATE SB720 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-01. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.

2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 63.44. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 63.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

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SEDIMENT BASIN SCHEDULE	
NO.	SB722
DRAINAGE AREA, AC.	6.13
FACILITY AREA, AC.	0.60
REQUIRED STORAGE (Vs), CY	821
CLEAN-OUT ELEV. (EL)	67.24
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	70.00
CREST OF EMERGENCY SPILLWAY ELEV.	67.83
EMERGENCY SPILLWAY DEPTH (D), FT.	2.17
EMERGENCY SPILLWAY WIDTH (B), FT.	1.10
SKIMMER ORIFICE DIAMETER	3"
SKIMMER ORIFICE INVERT	66.50

EARTH DIKE SCHEDULE

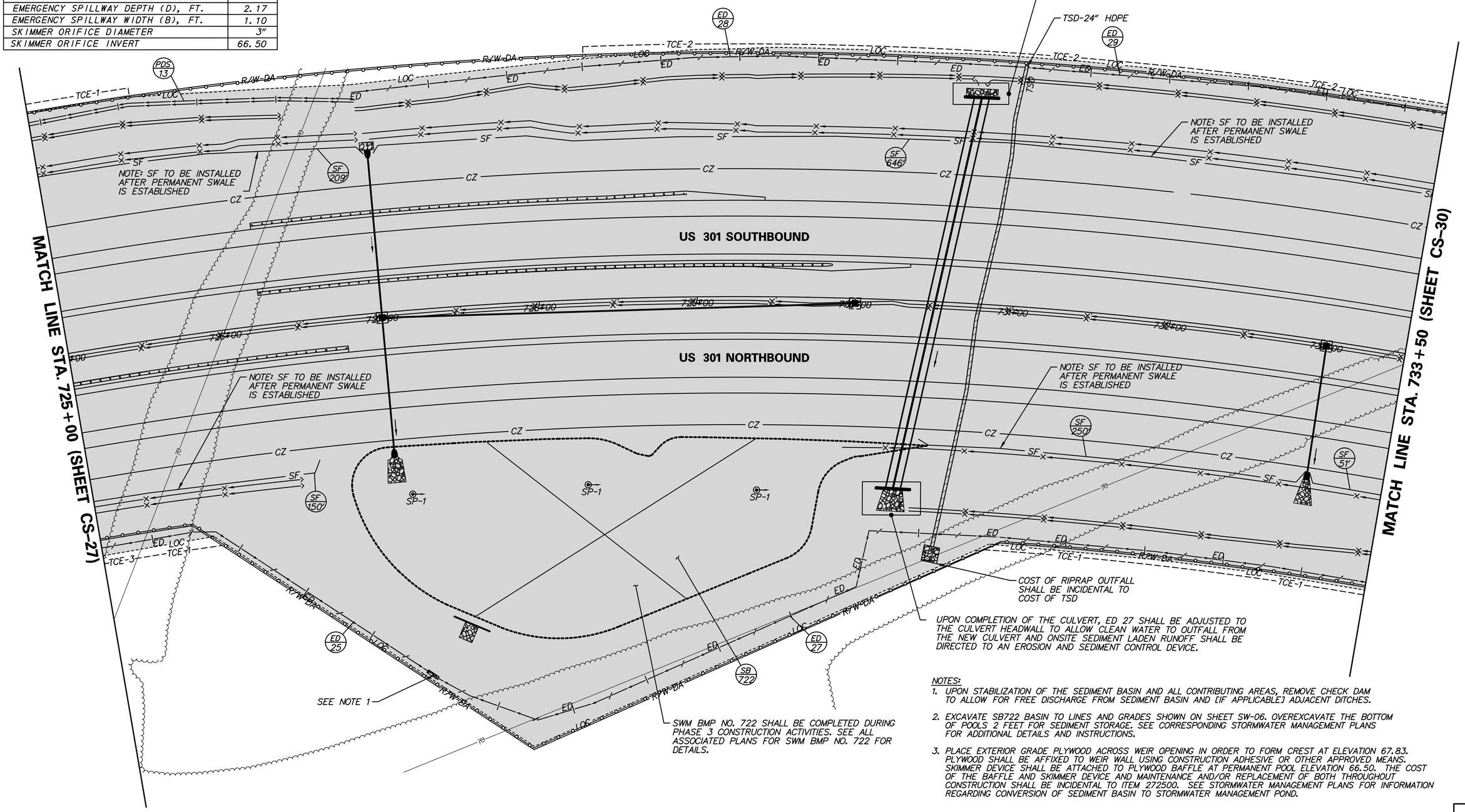
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
25*	724+28	727+08	140.00	300'	A-1
27*	727+18	734+64	200.00	745'	A-1
28	726+87	730+97	-152.00	442'	A-1
29*	730+99	743+82	-150.00	1362'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

PERIMETER DIKE/SWALE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
13*	712+15	726+94	-127.00	1505'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

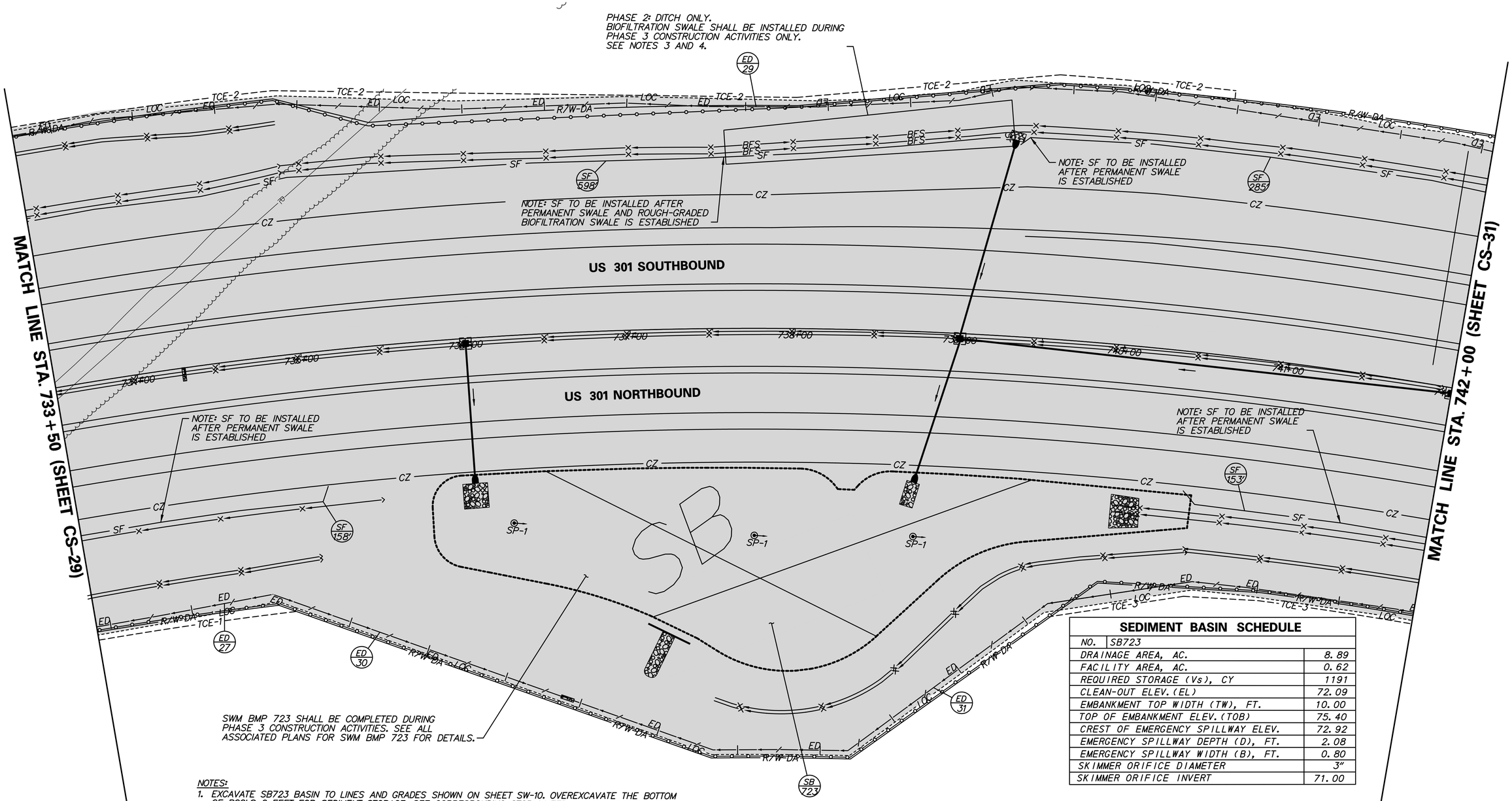


NOTES:

1. UPON STABILIZATION OF THE SEDIMENT BASIN AND ALL CONTRIBUTING AREAS, REMOVE CHECK DAM TO ALLOW FOR FREE DISCHARGE FROM SEDIMENT BASIN AND [IF APPLICABLE] ADJACENT DITCHES.
2. EXCAVATE SB722 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-06. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
3. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 67.83. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICE SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 66.50. THE COST OF THE BAFFLE AND SKIMMER DEVICE AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
27*	727+18	734+64	200.00	745'	A-1
29*	730+99	743+82	-150.00	1362'	A-2
30	734+66	736+47	183.00	185'	A-1
31*	736+60	743+09	145.00	647'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS



SEDIMENT BASIN SCHEDULE	
NO.	SB723
DRAINAGE AREA, AC.	8.89
FACILITY AREA, AC.	0.62
REQUIRED STORAGE (Vs), CY	1191
CLEAN-OUT ELEV. (EL)	72.09
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	75.40
CREST OF EMERGENCY SPILLWAY ELEV.	72.92
EMERGENCY SPILLWAY DEPTH (D), FT.	2.08
EMERGENCY SPILLWAY WIDTH (B), FT.	0.80
SKIMMER ORIFICE DIAMETER	3"
SKIMMER ORIFICE INVERT	71.00

NOTES:

1. EXCAVATE SB723 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-10. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.

2. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 72.92. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICE SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 71.00. THE COST OF THE BAFFLE AND SKIMMER DEVICE AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

NOTES:

3. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.

4. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

CS-30

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.	
T200911308	DESIGNED BY: GRP	
COUNTY		
NEW CASTLE	CHECKED BY: TAO	

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

SHEET NO. 703

TOTAL SHTS. 875

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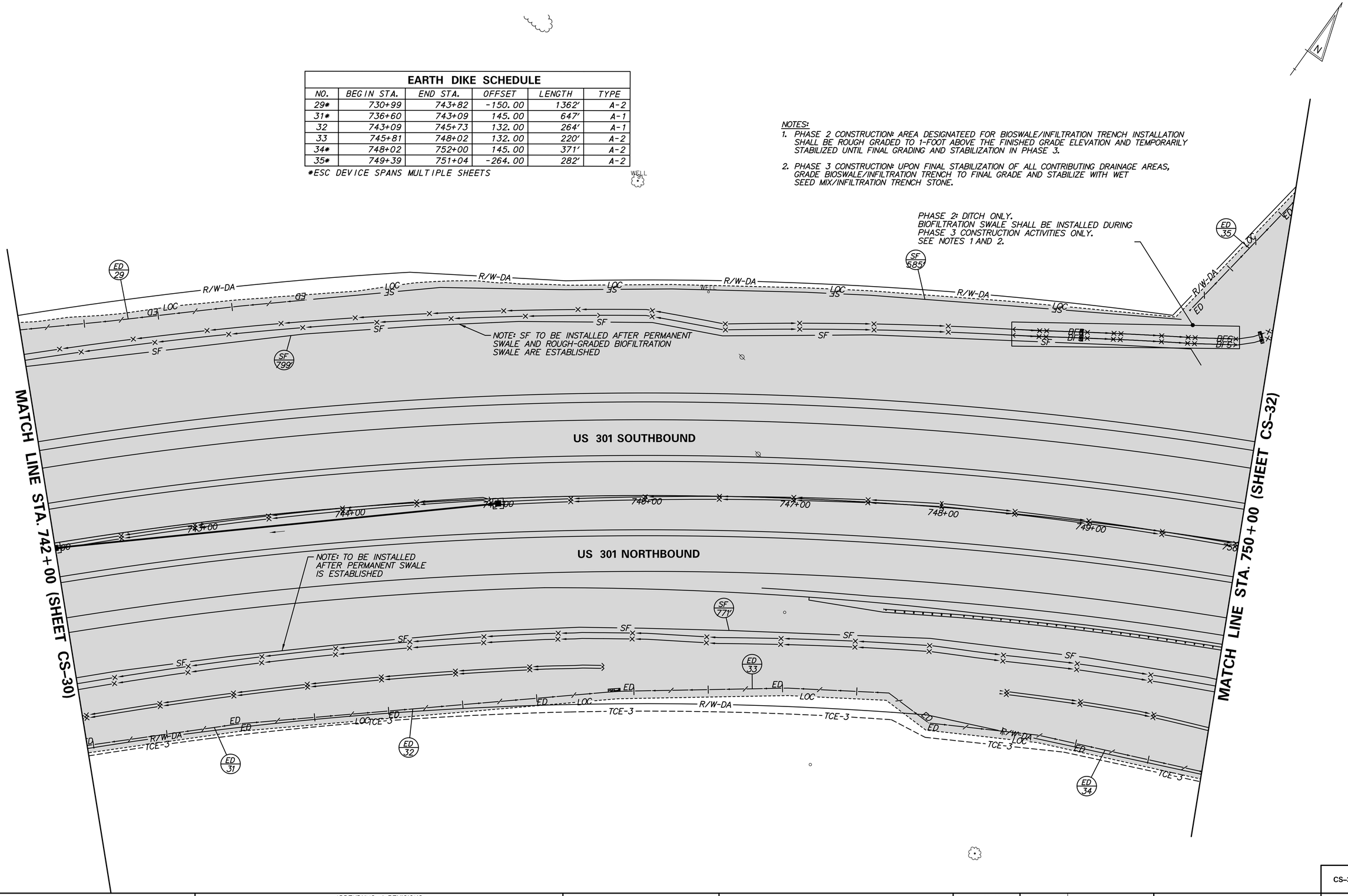
EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
29*	730+99	743+82	-150.00	1362'	A-2
31*	736+60	743+09	145.00	647'	A-1
32	743+09	745+73	132.00	264'	A-1
33	745+81	748+02	132.00	220'	A-2
34*	748+02	752+00	145.00	371'	A-2
35*	749+39	751+04	-264.00	282'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

NOTES:

1. PHASE 2 CONSTRUCTION: AREA DESIGNATEED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
2. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	CS-31 SHEET NO. 704
				COUNTY NEW CASTLE	DESIGNED BY: GRP		TOTAL SHTS. 875
					CHECKED BY: TAO		

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SEDIMENT BASIN SCHEDULE

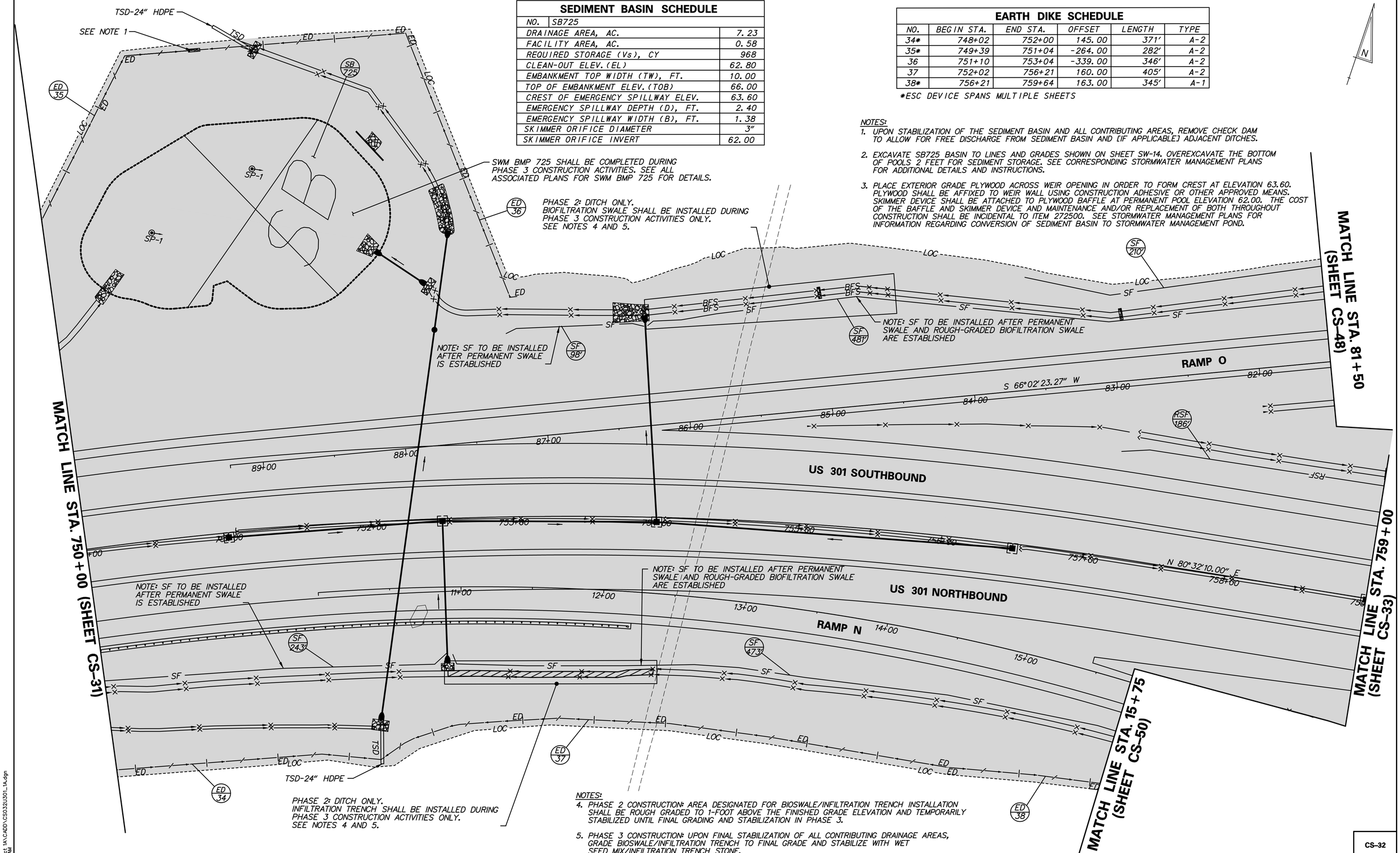
NO.	SB725
DRAINAGE AREA, AC.	7.23
FACILITY AREA, AC.	0.58
REQUIRED STORAGE (Vs), CY	968
CLEAN-OUT ELEV. (EL)	62.80
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	66.00
CREST OF EMERGENCY SPILLWAY ELEV.	63.60
EMERGENCY SPILLWAY DEPTH (D), FT.	2.40
EMERGENCY SPILLWAY WIDTH (B), FT.	1.38
SKIMMER ORIFICE DIAMETER	3"
SKIMMER ORIFICE INVERT	62.00

EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
34*	748+02	752+00	145.00	371'	A-2
35*	749+39	751+04	-264.00	282'	A-2
36	751+10	753+04	-339.00	346'	A-2
37	752+02	756+21	160.00	405'	A-2
38*	756+21	759+64	163.00	345'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

NOTES:
1. UPON STABILIZATION OF THE SEDIMENT BASIN AND ALL CONTRIBUTING AREAS, REMOVE CHECK DAM TO ALLOW FOR FREE DISCHARGE FROM SEDIMENT BASIN AND [IF APPLICABLE] ADJACENT DITCHES.
2. EXCAVATE SB725 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-14. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
3. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 63.60. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICE SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 62.00. THE COST OF THE BAFFLE AND SKIMMER DEVICE AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.



NOTES:
4. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
5. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

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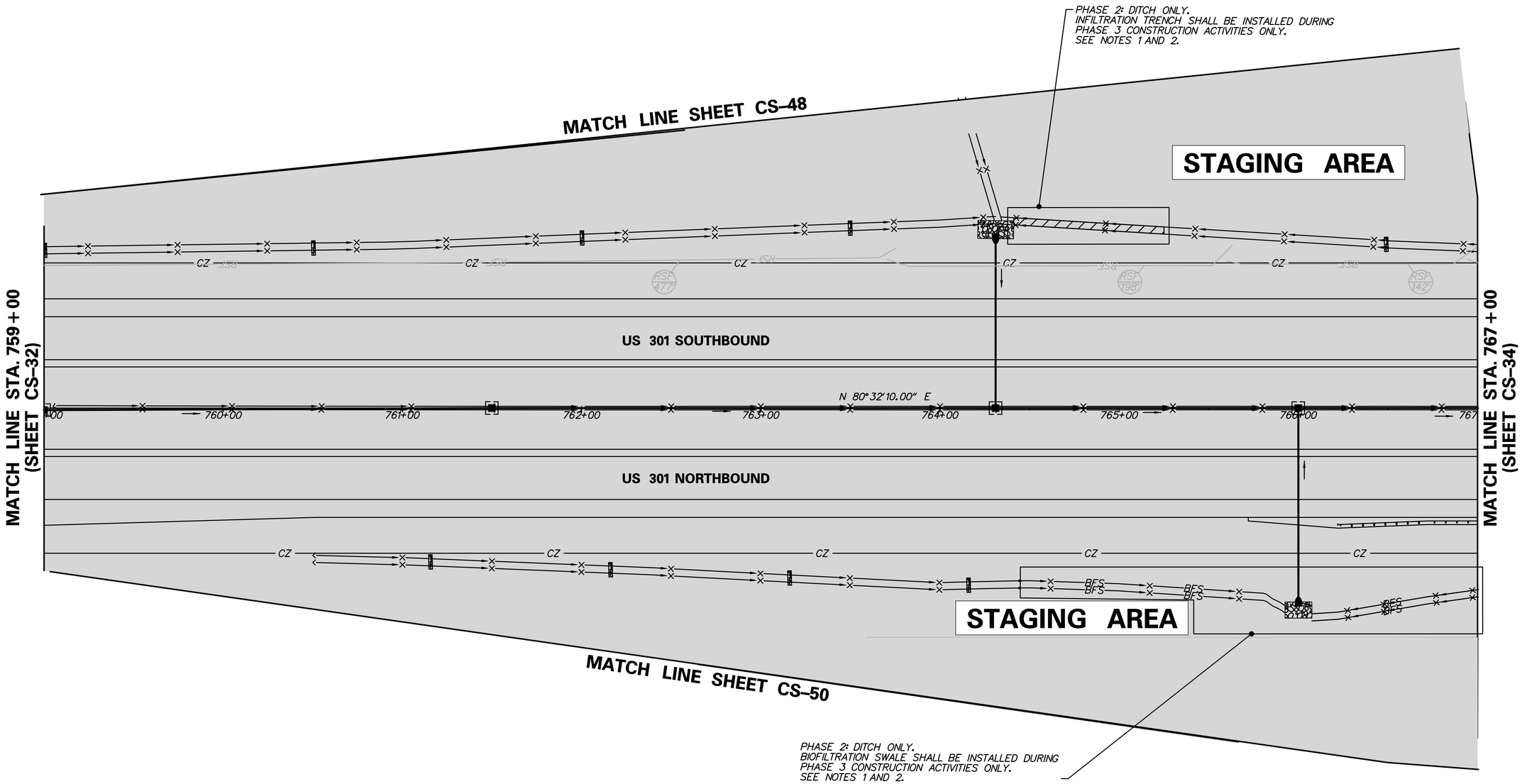
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	CS-32 SHEET NO. 705
				COUNTY NEW CASTLE	DESIGNED BY: GRP		TOTAL SHTS. 875
					CHECKED BY: TAO		



NOTES:

1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
2. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

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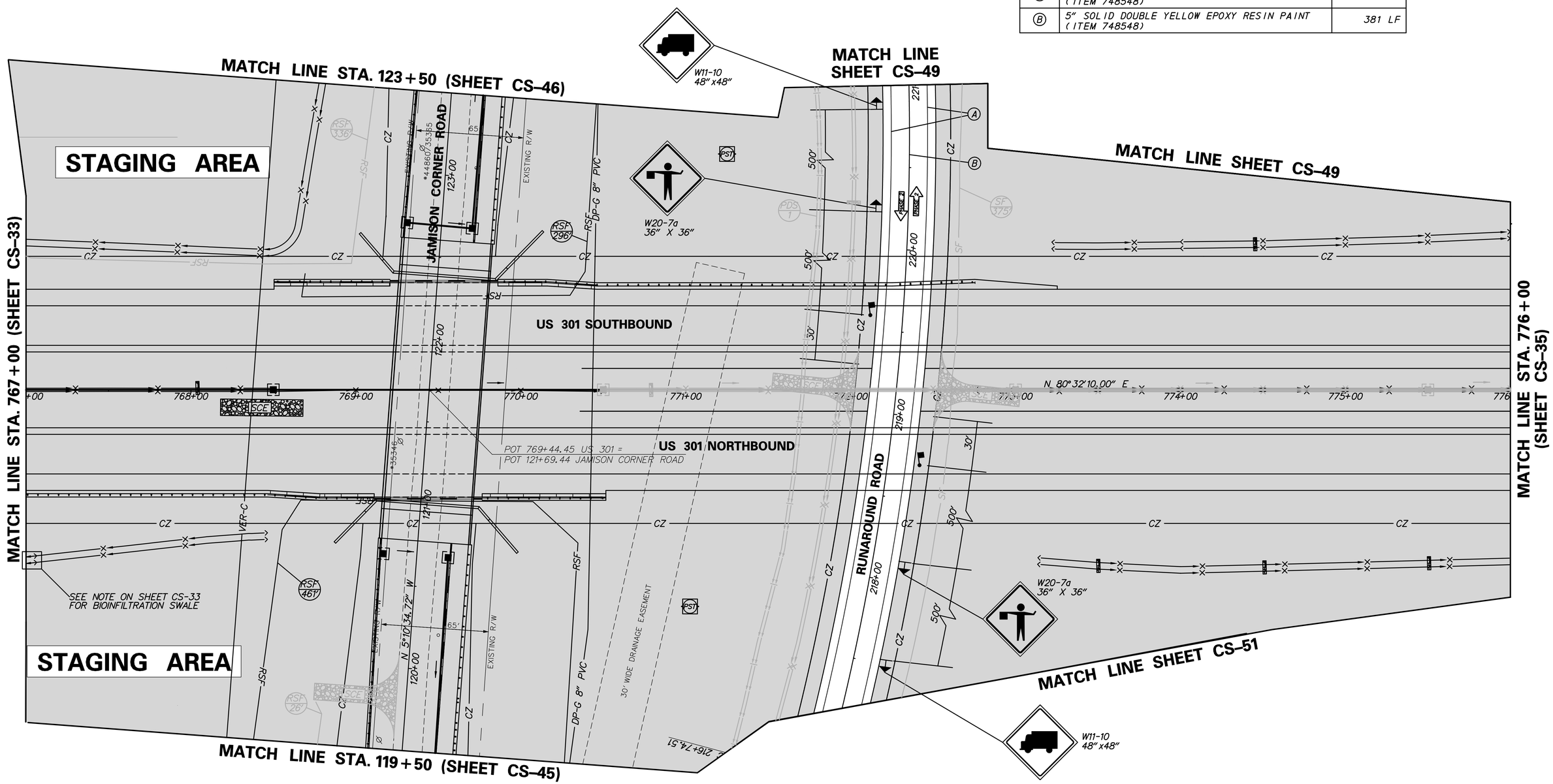
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	CS-33
				COUNTY NEW CASTLE	DESIGNED BY: GRP		SHEET NO. 706
					CHECKED BY: TAO		TOTAL SHTS. 875

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	762 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	381 LF



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	CS-34
				COUNTY NEW CASTLE	DESIGNED BY: GRP		SHEET NO. 707
					CHECKED BY: TAO		TOTAL SHTS. 875

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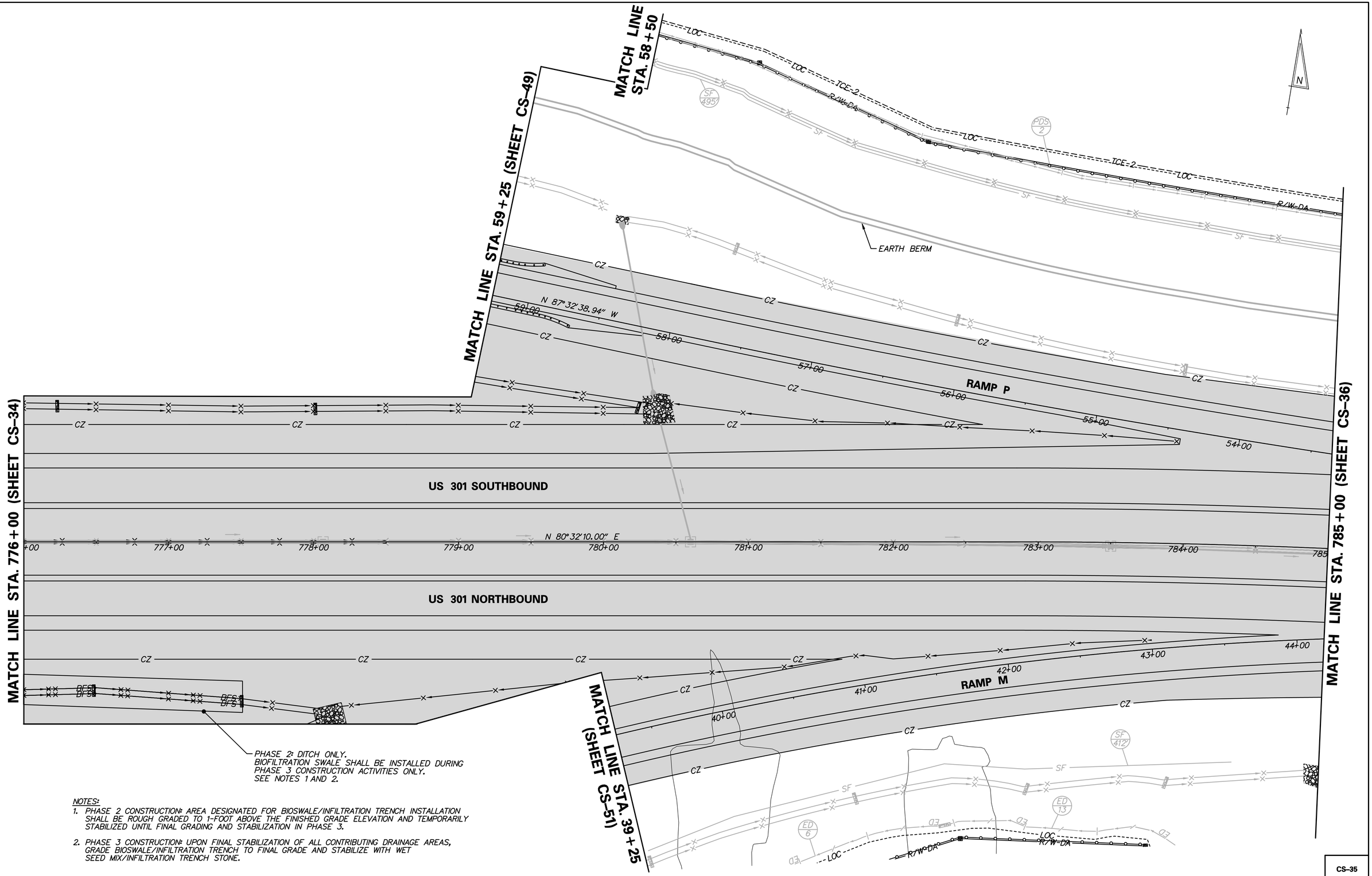

PHASE 2: DITCH ONLY.
BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY.
SEE NOTES 1 AND 2.

NOTES:

1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
2. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

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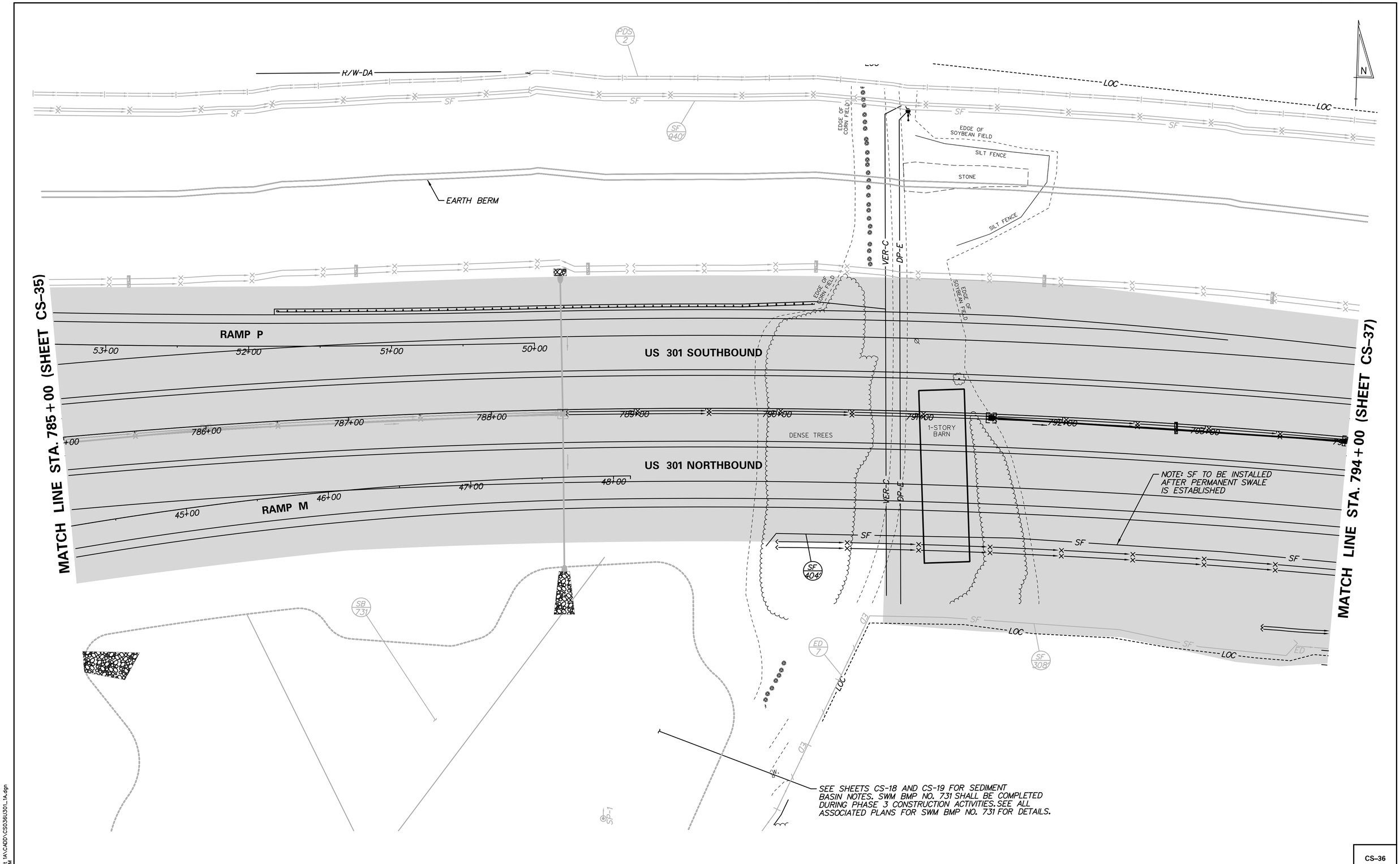
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301, SR 896 TO SR 1	CONTRACT T200911308	BRIDGE NO.	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	CS-35
				COUNTY NEW CASTLE	DESIGNED BY: GRP		SHEET NO. 708
					CHECKED BY: TAO		TOTAL SHTS. 875



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7/30/2015 3:25:03 PM

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE: 0 30 60 90 FEET

US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.	
T200911308	DESIGNED BY: GRP	
COUNTY		
NEW CASTLE	CHECKED BY: TAO	

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

CS-36
SHEET NO.
709
TOTAL SHTS.
875