

DEPARTMENT OF TRANSPORTATION
OFFICE OF TRANSPORTATION SOLUTIONS
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER - T201206307.01

SOUTH MAINTENANCE

FEDERAL AID NUMBER - ESTP-S113(16)

PRIMAVERA ID - 12-06307

CONTRACT TITLE - PAVEMENT & REHABILITATION - SOUTH II-VII, 2012

PAGE 1 OF 23

PLANS PREPARED BY: Paul Farkas
DESIGN TECHNICIAN

DATE RECOMMENDED: 9/2/2011

Bradford L. Salvo
GROUP ENGINEER, CONSTRUCTION

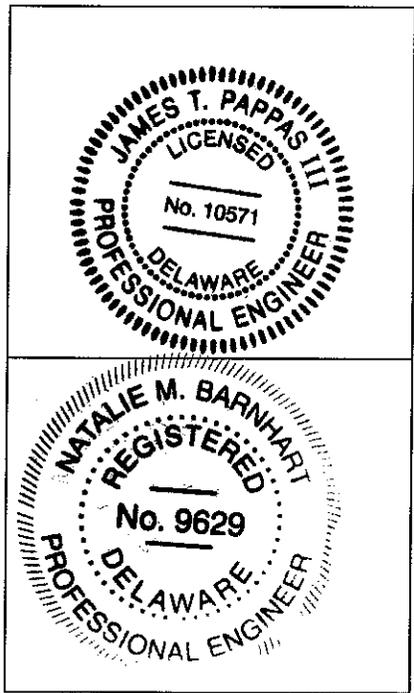
DATE RECOMMENDED: 9.29.11

James T. Pappas III
ASSIST. DIRECTOR, DESIGN

DATE RECOMMENDED: 9-29-11

Natalie Barnhart
CHIEF ENGINEER

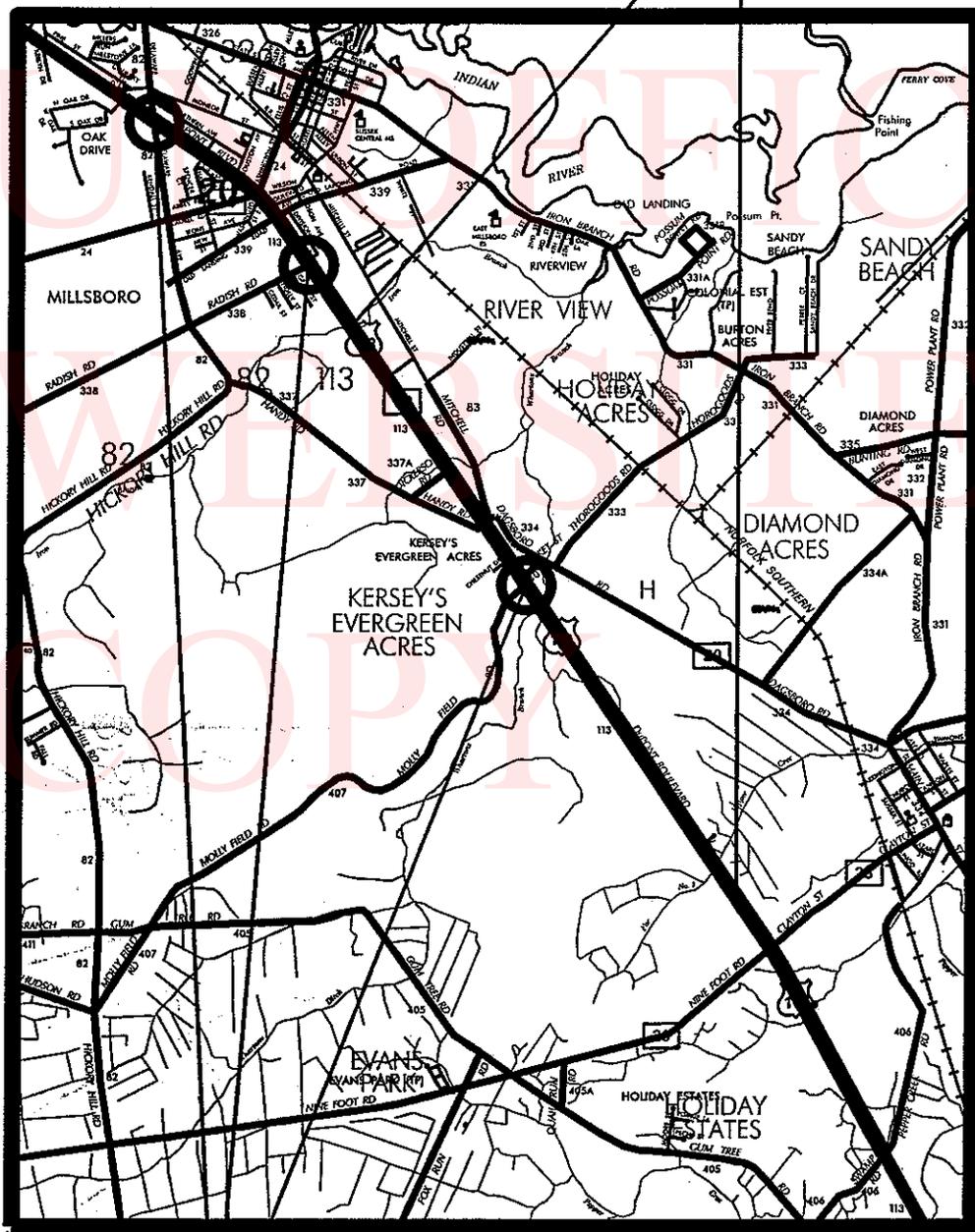
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US113 DUPONT BLVD

LOCATION MAP

Location 2



Location 1

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

GENERAL CONTRACT PLAN NOTES

REVISED 7/11

GENERAL

1. CONSTRUCTION OF THIS CONTRACT SHALL CONFORM TO DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED AUGUST 2001 AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS, THE SPECIAL PROVISIONS, THE MOST RECENT STANDARD CONSTRUCTION DETAILS, DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THESE PLANS.

2. THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS WITHIN THE DISTRICT HEREIN SPECIFIED. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE LOCATIONS AND/OR QUANTITIES FOR THIS CONTRACT. SUCH LOCATION OR QUANTITY ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. NO ITEM PRICES ARE TO BE RENEGOTIATED DUE TO EITHER AN INCREASE OR DECREASE IN QUANTITY USAGE RESULTING FROM SAID ADDITIONS OR DELETIONS.

3. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS AND BUSINESSES WHO LIVE ADJACENT TO THE WORK ZONE A MINIMUM 48 HR. PRIOR WRITTEN NOTICE FOR THE START OF CONSTRUCTION WORK. THIS NOTIFICATION SHALL INCLUDE THE SCOPE OF WORK, WORKING HOURS, ANTICIPATED START AND COMPLETION DATES, CONTRACTOR NAME & ADDRESS, AND DELDOT CONTACT NUMBERS. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS CONTRACT. ANY TEMPORARY CLOSURE OF A DRIVEWAY FOR TIE-IN PURPOSES SHALL BE COORDINATED WITH THE ENGINEER AND/OR PROPERTY OWNER IN ADVANCE OF THE CLOSURE.

4. THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.04 PRIOR TO OR AT THE PRECONSTRUCTION MEETING. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER/ MANAGER NO LATER THAN NOON OF EACH THURSDAY. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

MAINTENANCE OF TRAFFIC

5. THE CONTRACTOR SHALL BE REQUIRED TO SHOW PROOF THAT HE HAS SUFFICIENT APPROVED STRIPING MATERIALS ON HAND TO ENSURE STRIPING IS COMPLETED PRIOR TO FULL OPENING ROADWAY TO TRAFFIC.

6. AT THE END OF EACH DAY'S OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY STRIPING SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT STRIPING, SHALL BE INSTALLED IN ACCORDANCE WITH THE TEMPORARY STRIPING POLICY. TEMPORARY PAVEMENT STRIPING MUST MATCH PERMANENT PAVEMENT STRIPING IN ALL REGARDS. TEMPORARY PAVEMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY MARKINGS IN GOOD CONDITION SUCH THAT THE PAVEMENT IS PROPERLY DELINEATED AT ALL TIMES. ANY REFRESHING OF THE TEMPORARY MARKINGS WILL BE AT THE CONTRACTOR'S EXPENSE.

7. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL REASONABLY PROVIDE THE LEAST

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

GENERAL CONTRACT PLAN NOTES

PRACTICABLE OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN AND BICYCLE TRAFFIC, AND SHALL CONFORM TO THE REQUIREMENTS OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT FOR BIDS.

8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN FACILITIES AT ALL TIMES DURING CONSTRUCTION. EARTH, STONE AND GRAVEL SURFACES ARE NOT ACCEPTABLE FOR PROVIDING PEDESTRIAN ACCESS. WHERE PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED USING TA-28 AND/OR TA-29 OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR TO THE SATISFACTION OF THE ENGINEER. PEDESTRIAN DETOUR ROUTES OR ALTERNATE PEDESTRIAN FACILITIES SHALL CONSIST OF ADA COMPLIANT FACILITIES TO THE LEVEL OF WHICH EXISTS ON THE PEDESTRIAN ROUTE. THE COST FOR ANY PROVISIONS SHALL BE INCIDENTAL TO ITEM 763XXX - MAINTENANCE OF TRAFFIC.

PEDESTRIAN MAINTENANCE OF TRAFFIC: THIS WORK SHALL CONSIST OF PROVIDING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE THROUGHOUT THE PROJECT'S LIMITS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130.

THE CONTRACTOR SHALL BE REQUIRED TO REVIEW EACH CURB RAMP LOCATION AND SUBMIT THE APPROPRIATE MAINTENANCE OF TRAFFIC DETAIL AND DEVICES TO THE ENGINEER FOR EACH LOCATION AT LEAST 2 WEEKS BEFORE CONSTRUCTION FOR REVIEW, COMMENT, AND APPROVAL. THE FOLLOWING CONSIDERATIONS SHALL BE TAKEN INTO ACCOUNT WHEN ADDRESSING ACCESSIBLE PEDESTRIAN MAINTENANCE OF TRAFFIC:

- **ALL PEDESTRIANS, INCLUDING PERSONS WITH DISABILITIES, SHALL BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS MUCH AS PRACTICABLE THE EXISTING PEDESTRIAN FACILITIES.**
- **MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES.**
- **PROVIDE PEDESTRIAN ACCESS THROUGH OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.**
- **WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.**
- **TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS AND FEATURES SHALL NOT INTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.**
- **SIGNS AND OTHER DEVICES MOUNTED LOWER THAN 7FT ABOVE THE TEMPORARY PEDESTRIAN PATHWAY SHALL NOT PROJECT MORE THAN 4 IN. INTO ACCESSIBLE PEDESTRIAN ROUTE.**

A SMOOTH, CONTINUOUS HARD SURFACE SHALL BE PROVIDED THROUGHOUT THE ENTIRE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN ¼ IN. IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

9. AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR SHALL BE REQUIRED FOR ALL LOCATIONS SPECIFIED IN THE CONTRACT PLANS. A

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

GENERAL CONTRACT PLAN NOTES

COPY OF THE CERTIFICATION CARD FOR THE ATSSA TRAFFIC CONTROL SUPERVISOR SHALL BE SUBMITTED AT THE PRECONSTRUCTION MEETING. THE PAPER CERTIFICATE IS NOT ACCEPTABLE.

PAVEMENT MARKINGS

10. AT THE PRECONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS (INCLUDING BUT NOT LIMITED TO EXISTING STRIPING LENGTHS, LANE AND SHOULDER WIDTHS, TURN LANE LENGTHS, LOCATIONS OF STOP BARS, TURN ARROWS, CROSSWALKS AND RAILROAD CROSSINGS) THAT DEPICT THE EXISTING PAVEMENT MARKINGS FOR EACH PROJECT LOCATION. THESE DRAWINGS WILL BE REVIEWED BY THE DEPARTMENT'S TRAFFIC SECTION TO DETERMINE IF ANY CHANGES TO THE FINAL PAVEMENT MARKINGS ARE REQUIRED. FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE DEPARTMENT WILL PROVIDE STRIPING LAYOUT AT LOCATIONS WHERE NO PAVEMENT MARKINGS PREVIOUSLY EXISTED. IF DEPARTMENT FORCES PROVIDE STRIPING LAYOUT ON LOCATIONS WHERE MARKINGS PREVIOUSLY EXISTED, THEN THE CONTRACTOR SHALL REIMBURSE THE DEPARTMENT FOR THE LAYOUT COSTS.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, WHITE EDGE LINES SHALL WRAP AROUND THE RADIUS OF ALL SIDE STREETS AND MAJOR COMMERCIAL ENTRANCES TO A TANGENT POINT. YELLOW CENTERLINES SHALL BE CONTINUOUS AROUND MEDIAN ISLANDS. ALL DOUBLE YELLOW CENTERLINES SHALL BE PLACED IN A 5-6-5 CONFIGURATION (2 EACH, 5" YELLOW STRIPES WITH A 6" GAP BETWEEN).

11. ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTORS EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING AS DIRECTED BY THE ENGINEER. NO OTHER REMOVAL METHODS WILL BE ALLOWED. A FLAT BLACK PAINT OR DRIVEWAY SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED / REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.

12. STOP LINES "BARS" SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.16 OF THE 2011 DELAWARE MUTCD.

13. ALL CROSSWALKS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.18 OF THE 2011 DELAWARE MUTCD.

TRAFFIC SIGNAL NOTES

14. TRAFFIC DETECTION LOOPS SHALL BE PLACED IN THE FINAL WEARING SURFACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

15. TRAFFIC DETECTION LOOPS THAT ARE CURRENTLY 5'x7' SHALL BE REPLACED WITH LOOPS THAT ARE 6'x6' AT THE SAME LOCATION. STOP BAR DETECTION LOOPS SHALL BE THE SAME SIZE AS CURRENTLY EXISTING, AND SHOULD BE PLACED STARTING TWO FEET BEHIND THE STOP BAR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF SEPARATE SIGNAL PLANS HAVE BEEN DEVELOPED, THE PLANS SUPERSEDE THIS NOTE.

PROJECT

16. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

GENERAL CONTRACT PLAN NOTES

17. THE COST OF CLIPPING BACK THE EDGES OF THE ROADWAY, SHOULDERS, AND THE FIRST 3' OF UNPAVED DRIVEWAY ENTRANCES, PICKING UP AND DISPOSING OF WASTE AND EXCESS MATERIAL, AND CLEANING THE EXISTING PAVEMENT PRIOR TO OVERLAY SHALL BE INCIDENTAL TO SECTION 401(). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30200X.

18. BUTT JOINTS SHALL BE PLACED AT ALL INTERSECTING HOT MIX ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL OR LOCATION NOTES. BUTT JOINTS CUT PRIOR TO THE DAY OF THE PAVEMENT OVERLAY SHALL BE RAMPED WITH HOT MIX TRM. IN MILLING AREAS, THERE WILL BE NO SEPARATE PAYMENT FOR BUTT JOINTS. AFTER PAVEMENT MILLING, ALL TRANSVERSE VERTICAL DIFFERENCES, RAISED EDGES OF MANHOLES, CATCH BASINS, WATER VALVE BOXES, ETC...SHALL BE RAMPED WITH HOT-MIX TRM AT A 20:1 OR FLATTER SLOPE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. PAVEMENT MILLINGS WILL NOT BE ALLOWED FOR USE AS RAMPING MATERIAL.

19. TAPER MILLING IS INTENDED FOR MILLING IN THE AREA OF FIXED STRUCTURES (I.E. CURBS GUARDRAIL, ETC.) THE MILLED DEPTH AT THE STRUCTURE SHALL BE THE DEPTH OF THE PROPOSED OVERLAY AND 0" AT A DISTANCE OF +/- 6½' FROM THE STRUCTURE. THE COMPUTED DEPTH FOR PAYMENT PURPOSES IS THE AVERAGE OF THE TWO DEPTHS.

20. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED.

21. EXCAVATION FOR P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE BID PRICE FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BE REMOVED FROM THE CONTRACT AT THE CONTRACTORS EXPENSE. ITEM 732XXX, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" IS PRESENT IN MATERIAL USED FOR BACKFILL. AT EACH LOCATION, BACKFILLING SHALL BE PERFORMED IMMEDIATELY UPON REMOVAL OF FORMS FOR CURB OR SIDEWALK WORK. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF THE ITEM OF WORK. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

22. ALL ADJUSTMENTS SHALL BE MADE NO MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF HOT MIX UNLESS OTHERWISE APPROVED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

23. ALL PAVING, INCLUDING TURN LANES, SHOULDERS AND INTERSECTIONS, IS TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FROM THE TIME THE AREA WAS MILLED. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

24. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBING, ETC. SO THAT EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTHS IS NOT DAMAGED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

GENERAL CONTRACT PLAN NOTES

REMAINING AFTER MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING AND/OR RECLAMATION ITEMS.

25. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT UNLESS OTHERWISE APPROVED BY THE ENGINEER. ONLY CALIBRATED VOLUMETRIC CONCRETE TRUCKS WILL BE PERMITTED TO PROVIDE ON-SITE MIXTURES. THIS PERTAINS TO BOTH WORK OCCURRING DURING NORMAL WORKING HOURS AND NIGHTTIME RESTRICTED WORK.

26. DRAINAGE INLETS, WHICH ARE 4' GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 708.07 OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 710001.

27. THE PORTLAND CEMENT CONCRETE USED WITHIN ITEM 701002 - ADJUST AND REPAIR EXISTING MAN HOLES AND ITEM 750000 - ADJUST WATER VALVE BOX SHALL CONFORM TO THE REQUIREMENTS OF CLASS A CONCRETE AS STATED WITHIN SECTION 503.02 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.

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CONTRACT NUMBER- T201206307

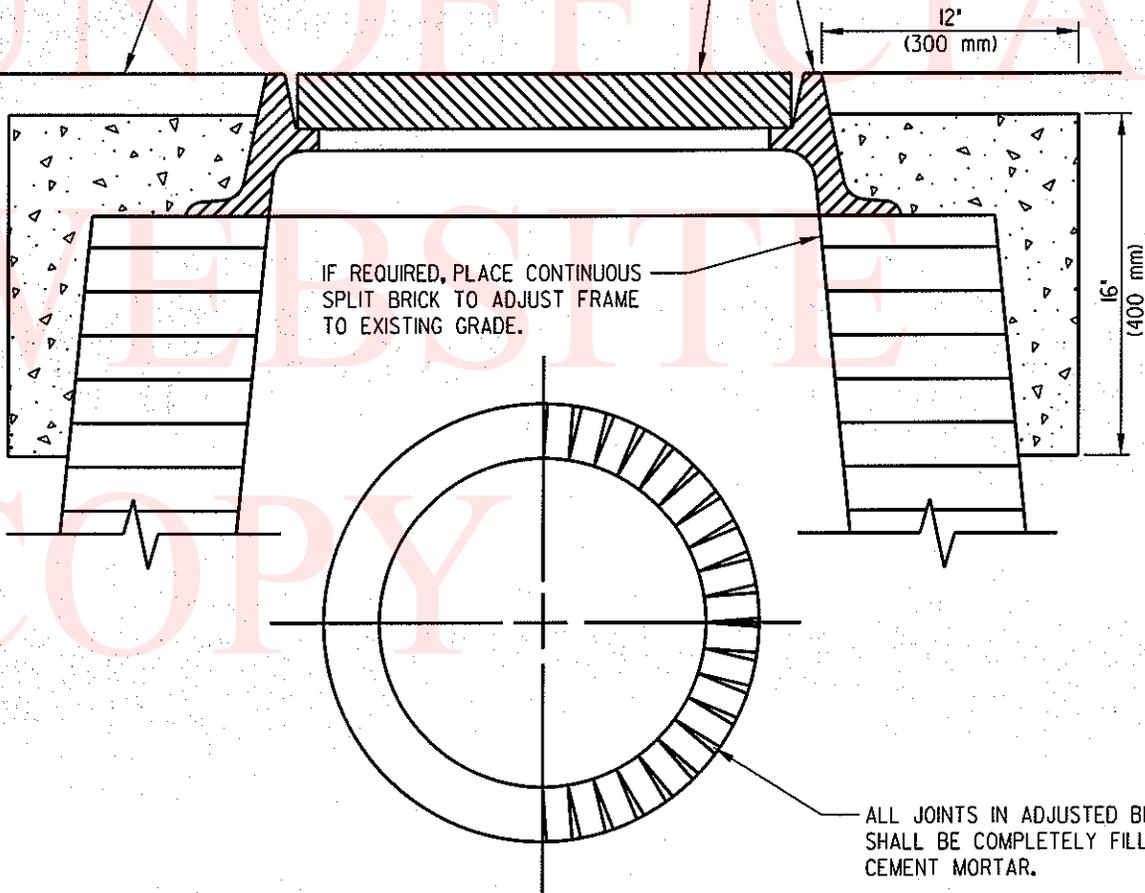
PAGE 8 OF 23

SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET

REMOVE AND DISPOSE OF EXISTING FRAME AND COVER AS DIRECTED BY OWNER IF NOT UTILIZED IN THE ADJUSTMENT. PLACE NEW OR EXISTING FRAME AND COVER (AS REQUIRED), TO CORRECT ELEVATION AND RECOLLAR. NEW FRAME AND COVER (IF REQUIRED) TO BE PROVIDED BY OWNER.

REMOVE HOT MIX AND CONCRETE COLLAR FROM AROUND MANHOLE.



ADJUSTING AND REPAIRING MANHOLE

N.T.S.

NOTE: MANHOLES IN CONCRETE ROADWAYS SHALL BE SAWCUT FULL DEPTH TO THE SPECIFIED DIMENSION PRIOR TO ANY ADJUSTMENT BEING MADE. THE SAWCUTTING SHALL BE INCIDENTAL TO ITEM 710002.

ANY ADJUSTMENTS AND/OR RELOCATIONS OF MUNICIPALLY OWNED SEWER OR WATER FACILITIES SHALL BE DONE IN ACCORDANCE TO THE RESPECTIVE AGENCIES STANDARD SPECIFICATIONS AS DIRECTED BY THE ENGINEER.

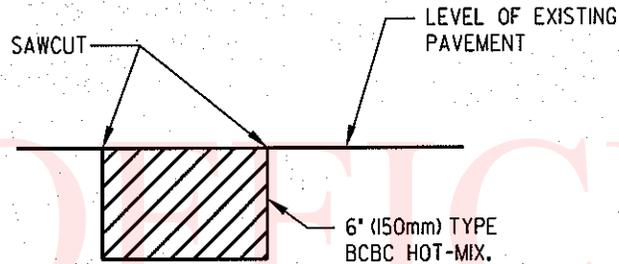
DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 9 OF 23

SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET



HOT MIX PATCH DETAIL

N.T.S.

NOTE: ALL EDGES TO BE SAWCUT. CUTTING BY USE OF AIR HAMMERS MAY BE SUBSTITUTED FOR SAWCUTTING IF THE AREA IS TO BE OVERLAID UNDER THE SAME CONTRACT. THIS DETAIL SHALL BE USED FOR ALL HOT-MIX PATCHES UNLESS OTHERWISE SHOWN ON THE PLANS.

WHEN PCC PATCHING IS REQUIRED ON A COMPOSITE PAVEMENT(HOT-MIX OVER CONCRETE), THE CONTRACTOR MAY ELECT TO ELIMINATE ANY GRADE DIFFERENCE BETWEEN THE TOP OF THE CONCRETE PATCH AND THE TOP OF THE EXISTING HOT-MIX PAVEMENT BY EITHER PLACING HOT-MIX TRM MATERIAL(PAYMENT UNDER ITEM 402000) OR PLACING CONCRETE FLUSH WITH EXISTING HOT-MIX PAVEMENT(ADDITIONAL CONCRETE PAID AS ITEM 503503). IF CONCRETE IS PLACED FLUSH WITH EXISTING HOT MIX, THE MILLING OF THE CONCRETE WILL BE PAID FOR AS MILLING HOT-MIX.

P.C.C. PATCHING NOTES

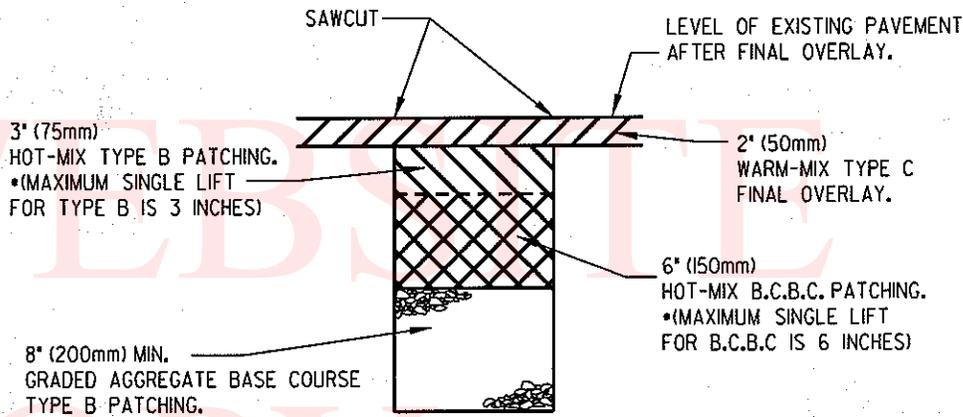
DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 10 OF 23

SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET



HOT-MIX PATCHING DETAIL FOR
HSIP INTERSECTIONS ON LOCATION I
N.T.S.

NOTE: ALL EDGES TO BE SAWCUT. CUTTING BY USE OF AIR HAMMERS MAY BE SUBSTITUTED FOR SAWCUTTING IF THE AREA IS TO BE OVERLAID UNDER THE SAME CONTRACT. THIS DETAIL SHALL BE USED FOR ALL HOT-MIX PATCHES UNLESS OTHERWISE SHOWN ON THE PLANS.

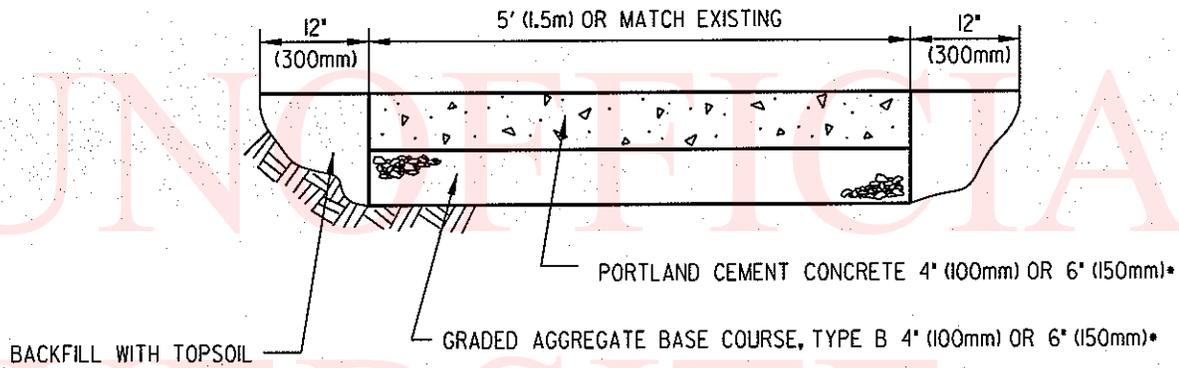
DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 11 OF 23

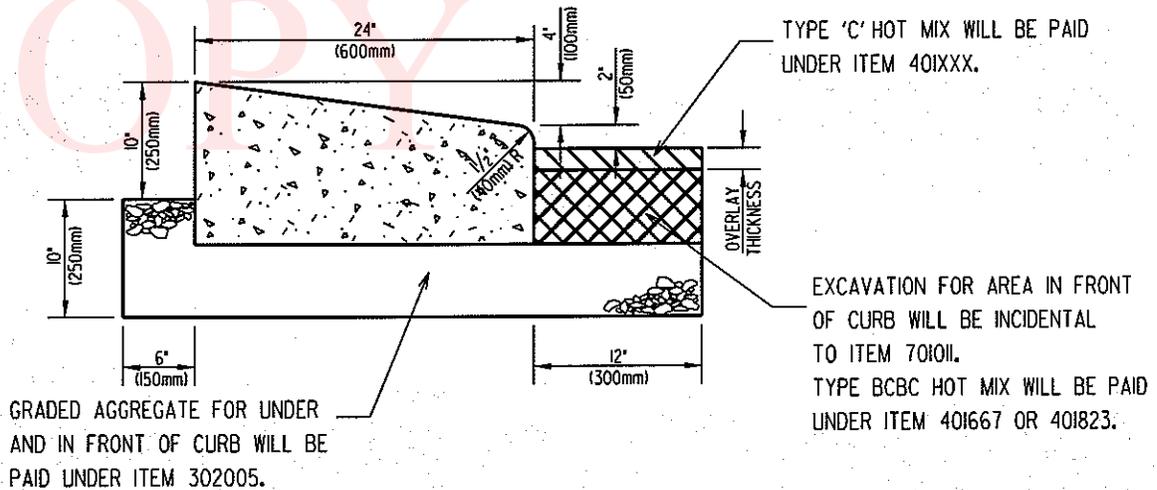
SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET



P.C.C. SIDEWALK
N.T.S.

* NOTE: 6" (150mm) CONCRETE OVER 6" (150mm) GRADED AGGREGATE TO BE USED FOR DRIVEWAY PLACEMENT



P.C.C. CURB TYPE 2
N.T.S.

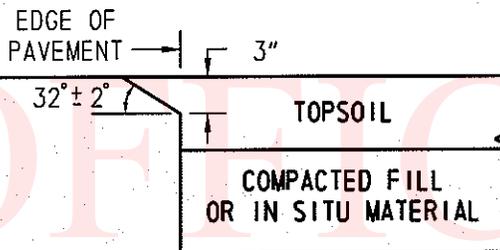
DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 12 OF 23

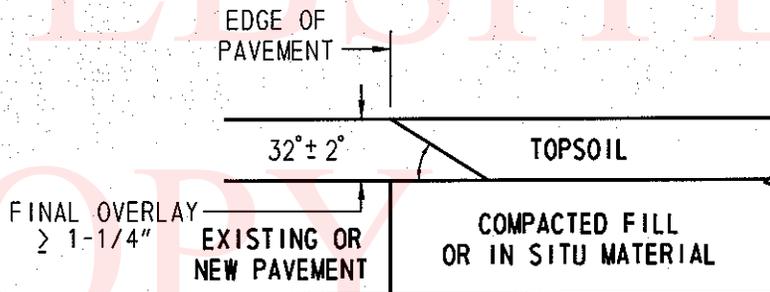
SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET



CONCRETE PAVEMENTS

NOT TO SCALE



HOT-MIX PAVEMENTS AND OVERLAYS

NOT TO SCALE

SAFETY EDGE DETAIL

NOT TO SCALE

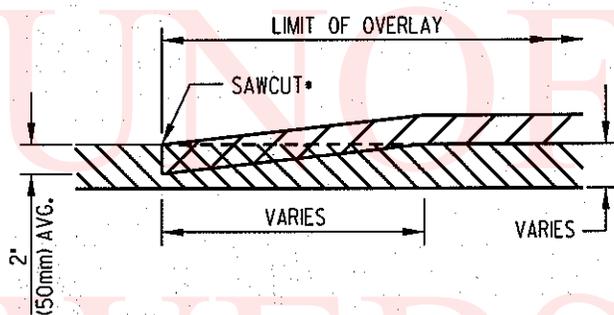
DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 13 OF 23

SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET

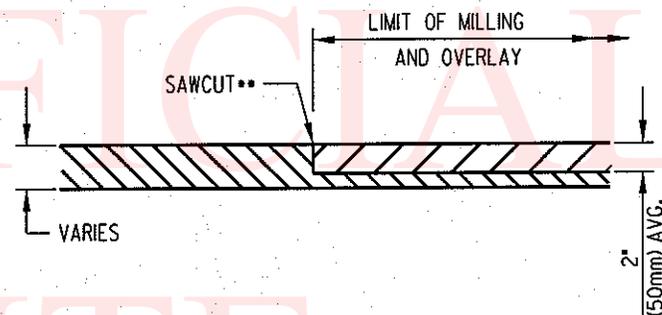


LEGEND

-  — PROPOSED OVERLAY
-  — EXISTING PAVEMENT
-  — EXISTING PAVEMENT TO BE REMOVED

**BUTT JOINT
FOR OVERLAY SECTION***

PAYMENT UNDER ITEM 761001.
*SAWCUT IS INCIDENTAL TO ITEM 761001.



LEGEND

-  — PROPOSED FULL WIDTH MILLING AND HOT MIX OVERLAY
-  — EXISTING PAVEMENT (TO REMAIN)

**HOT MIX JOINT
FOR FULL WIDTH MILLING SECTION****

PAYMENT INCIDENTAL TO ITEM 760XXX, MILLING.
**SAWCUT SHALL BE PAID UNDER ITEM 762001.

NOTES:

- THE FOLLOWING LENGTHS ARE BASED ON THE POSTED SPEED OF THE ROADWAY:
1. LESS THAN 50 MPH = 20 FT (6m) PER 1" (25mm) OF OVERLAY DEPTH.
 2. EQUAL TO OR GREATER THAN 50 MPH = 30 FT (9.1m) PER 1" (25mm) OF OVERLAY DEPTH.
 3. AT STOP SIGNS = 15 FT (4.6m) PER 1" (25mm) OF OVERLAY DEPTH.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201206307

PAGE 14 OF 23

SOUTH MAINTENANCE US113 DUPONT BLVD

DETAILS SHEET

Section 100 Project Note:

Unless otherwise noted on the plans, the Contractor shall, as part of his Project Schedule, submit to the Engineer an estimate of the monthly payments expected to be received on the contract. This will be referenced as the "Monthly Payment Chart".

A chart in Microsoft Excel, Microsoft Word, or hand written format will be acceptable for this purpose. The chart should include, as a minimum, columns for the month, year, and estimated monthly payments. The total of all estimated monthly payments should equal the awarded contract total bid price.

The Engineer may request an updated "Monthly Payment Chart" at his discretion, depending on the accuracy of the initial estimates and according to the overall needs of the Department.

The "Monthly Payment Chart" will not be considered a binding document by either the Contractor or the Department and is considered solely informational.

On projects requiring CPM Schedules, the Contractor may, but is not required to, "Cost Load" the CPM Schedule in order to generate the monthly payment estimates.

Costs to prepare and/or update the "Monthly Payment Chart" are addressed as follows:

- a. On Contracts requiring CPM Schedules and Updates, preparation of the initial chart shall be incidental to Item 763508. Updates shall be incidental to Item 763509.
- b. On contracts not requiring CPM Schedules, the cost to prepare and update the "Monthly Payment Chart" shall be included in Item 763000, Initial Expense.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206307

PAGE 16 OF 23

SOUTH
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

LOCATION 1

DUPONT BOULEVARD - HSIP INTERSECTION IMPROVEMENTS @ MOLLY FIELD
RD, RADISH RD AND HICKORY HILL RD.

LENGTH

AADT 15127

GENERAL IMPROVEMENTS

INSTALL/RE-CONSTRUCT P.C.C. CURB, BARRIER ISLANDS AND TURN LANES.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

763501

CONSTRUCTION ENGINEERING

1.00 L.S.

** DENOTES FIXED PRICE ITEM

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CONTRACT T201206307

PAGE 18 OF 23

SOUTH
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

LOCATION 2 US113, DUPONT BLVD, N.B. & S.B. FROM PEPPER CREEK/SWAMP RD (S406) TO OAK AVENUE

LENGTH 18056.352 m 59240 L.F. AADT 15127

GENERAL IMPROVEMENTS

HM PATCHING AND 2" FULL WIDTH OVERLAY.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 2

302005	GRADED AGGREGATE BASE COURSE, TYPE B	50.00 TON
401517	STONE MATRIX ASPHALT WEARING SURFACE	17,952.00 TON
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	500.00 TON
401755	RECYCLED ASPHALT PAVEMENT MILLINGS FOR ROADWAY EDGE	150.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	14,873.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	100.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	100.00 TON
406001	HOT-MIX PATCHING	700.00 SY-IN
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00 S.F.
705008	CURB RAMP, TYPE 1	180.00 S.F.
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	5.00 EACH
743003	ARROWPANELS, TYPE C	110.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	20.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	440.00 EA-DY
743007	** TRAFFIC OFFICERS	1,100.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	110.00 EA-DY
743052	** FLAGGER, SUSSEX COUNTY, STATE	3,300.00 HOUR
743064	** FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	330.00 HOUR
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	9,860.00 L.F.
746776	LOOP DETECTOR SPLICE	130.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	2,300.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	177,800.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	2,300.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	750.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	177,800.00 L.F.
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	194.00 EACH
749688	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" DEPTH	16.00 EACH

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206307

PAGE 19 OF 23

SOUTH
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

LOCATION 2 US113, DUPONT BLVD, N.B. & S.B. FROM PEPPER CREEK/SWAMP RD (S406) TO
OAK AVENUE

LENGTH 18056.352 m 59240 L.F. AADT 15127

GENERAL IMPROVEMENTS

HM PATCHING AND 2" FULL WIDTH OVERLAY.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 2

760012	RUMBLE STRIPS, BIKE-FRIENDLY, HOT-MIX	59,500.00 L.F.
760016	RUMBLE STRIPS, HOT-MIX	59,500.00 L.F.
760502	PAVEMENT MILLING, TAPER CUT	47,400.00 SY-IN
760507	PROFILE MILLING, HOT-MIX	118,300.00 SY-IN
761001	BUTT JOINTS, HOT MIX	1,700.00 S.Y.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

** DENOTES FIXED PRICE ITEM

COPY

SOUTH
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

LOCATION 2 US113, DUPONT BLVD, N.B. & S.B. FROM PEPPER CREEK/SWAMP RD (S406) TO OAK AVENUE

COMMENTS:

1. RECOMMENDED M.O.T. CASE NO. TA-35 (TRAVEL LANES).
 . CASE NO. TA-4A (SHOULDERS).
 . CASE NO. TA-29 (SIDEWALK).
2. NIGHTTIME WORK HOURS;
 . BEFORE SEPTEMBER 15 - 8:00PM TO 6:00AM(SUNDAY TO THURSDAY).
 . AFTER SEPTEMBER 15 - 8:00PM TO 6:00AM(MONDAY TO FRIDAY).
3. COORDINATION WITH ADJACENT CONTRACTORS FOR THE FOLLOWING PROJECTS MAY BE NECESSARY FOR M.O.T. LANE CLOSURES AND SIGNAGE.
 A. PAVEMENT & REHABILITATION PROJECT T201206306
 - ANTICIPATED CONSTRUCTION START LATE SUMMER 2012.
 B. HSIP SUSSEX COUNTY, US113 INTERSECTION IMPROVEMENTS PROJECT T200800902
 - ANTICIPATED CONSTRUCTION START LATE FALL 2012.
 C. THE EASTERN SHORE NATURAL GAS WORCESTER(SP) EXPANSION DELAWARE PORTION PROJECT
 - SCHEDULED TO BEGIN LATE FALL 2011 WITH ANTICIPATED COMPLETION IN LATE SPRING 2012.
4. ON THE MAIN CONSTRUCTION ROAD AND ALL INTERSECTING ROADS, "ROAD WORK AHEAD AND END" SIGNS FACING THE TRAFFIC SHALL BE PLACED AT 1500', 1000' AND 500' APPROACHING THE WORK ZONE. IN THOSE CASES, WHERE IT IS DIFFICULT TO MEET THE ABOVE CRITERIA BECAUSE OF DISTANCE LIMITATIONS, THE SIGN SHALL BE PLACED AS DIRECTED BY THE FIELD ENGINEER.
5. GABC ITEM 302005 AND QUANTITY IS FOR UNIMPROVED DRIVEWAYS.
6. 2" TAPER MILL IN FRONT OF EXISTING CURB AND/OR GUARDRAIL.
7. MILL SIGNALIZED INTERSECTION TO MAINTAIN SIGNAL HEAD CLEARANCE.
8. THE TEMPORARY STRIPING SHALL BE PAID FOR ONE TIME PER LIFT.
9. HOT-MIX OVERLAY NOTES*

 A. USE SMA HOT-MIX FOR TRAVEL LANES AND INTERSECTIONS.
 . USE 64-22 (C) TYPE C WARM-MIX FOR TURN LANES, MEDIAN CROSSOVERS AND OUTSIDE SHOULDERS.
 B. *THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS SHALL BE INCIDENTAL TO THE OVERLAY INCLUDING PLACING BACK COMPACTED HOT-MIX MATERIAL TO FILL THE EXPOSED VOID.
 C. ALL PAVING OPERATIONS MUST BE COMPLETED IN ONE DIRECTION, EITHER NORTHBOUND OR SOUTHBOUND, BEFORE PAVING OPERATIONS CAN BEGIN IN THE OTHER DIRECTION.
10. CONSTRUCTION LIMITS

 SKIP OVER HANDY/DAGSBORO RD INTERSECTION FOR FUTURE HSIP INTERSECTION IMPROVEMENTS PROJECT T200800902.
 THE HSIP CONSTRUCTION PROJECT LIMITS ARE AS FOLLOWS;
 A. 1640' NORTH FROM CENTERLINE OF HANDY/DAGSBORO RD INTERSECTION.
 B. 310' SOUTH FROM CENTERLINE OF HANDY/DAGSBORO RD INTERSECTION.
11. CURB RAMPS *DOMES

SOUTH
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH II-VII, 2012

LOCATION 2 US113, DUPONT BLVD, N.B. & S.B. FROM PEPPER CREEK/SWAMP RD (S406) TO OAK AVENUE

- . ROYAL FARMS - TYPE 1*, 2 EA.
- . CENTERVIEW - SHOULD BE OK NEW CONSTRUCT.
- . INTERSECTION @ ARBY'S - SHOULD BE OK NEW CONSTRUCT.
- . MILLSBORO/LAUREL RD - SHOULD BE OK NEW CONSTRUCT.

THIS LOCATION SHALL MEET THE TOLERANCES OF SUBSECTION 401580 - RIDE QUALITY OF HOT-MIX PAVEMENT REQUIREMENTS, AS SPECIFIED IN THE SPECIAL PROVISIONS.

ALL ITEMS AND QUANTITIES FOR THIS LOCATION ARE TO BE TRACKED SEPARATLEY FROM THE OTHER CONTRACT LOCATION.

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WEBSITE
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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201206307

PAGE 22 OF 23

**SOUTH PAVEMENT & REHABILITATION, SOUTH II-VII, 2012
MAINTENANCE**

CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	195.00 C.Y.
209010	BORROW, TYPE C	37.00 TON
302005	GRADED AGGREGATE BASE COURSE, TYPE B	218.00 TON
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	56.00 C.Y.
401517	STONE MATRIX ASPHALT WEARING SURFACE	17,952.00 TON
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	500.00 TON
401755	RECYCLED ASPHALT PAVEMENT MILLINGS FOR ROADWAY EDGE	150.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	14,903.00 TON
401822	WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	42.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	257.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	100.00 TON
406001	HOT-MIX PATCHING	5,450.00 SY-IN
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	1,850.00 L.F.
705002	P.C.C. SIDEWALK, 6"	9,263.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00 S.F.
705008	CURB RAMP, TYPE 1	180.00 S.F.
708111	MANHOLE, 48" X 30"	1.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	5.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00 EACH
716500	CONVERTING EXISTING MANHOLE TO JUNCTION BOX	1.00 EACH
732004	TOPSOIL (TON)	54.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	64.00 S.Y.
743003	ARROWPANELS, TYPE C	196.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	20.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	562.00 EA-DY
743007	** TRAFFIC OFFICERS	1,594.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	970.00 EA-DY
743052	** FLAGGER, SUSSEX COUNTY, STATE	3,429.00 HOUR

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201206307

PAGE 23 OF 23

**SOUTH PAVEMENT & REHABILITATION, SOUTH II-VII, 2012
MAINTENANCE**

CONTRACT QUANTITIES SUMMARY SHEET

743064	** FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	416.00 HOUR
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	9,860.00 L.F.
746776	LOOP DETECTOR SPLICE	130.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	2,300.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	177,800.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	2,300.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	750.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	177,800.00 L.F.
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	325.00 EACH
749688	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" DEPTH	16.00 EACH
749690	INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLE SIGN POSTS	200.00 S.F.
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	594.00 S.Y.
760012	RUMBLE STRIPS, BIKE-FRIENDLY, HOT-MIX	59,500.00 L.F.
760016	RUMBLE STRIPS, HOT-MIX	59,500.00 L.F.
760502	PAVEMENT MILLING, TAPER CUT	47,400.00 SY-IN
760507	PROFILE MILLING, HOT-MIX	118,300.00 SY-IN
761001	BUTT JOINTS, HOT MIX	1,700.00 S.Y.
762001	SAW CUTTING, HOT MIX	1,874.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	110.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763501	CONSTRUCTION ENGINEERING	1.00 L.S.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

** DENOTES FIXED PRICE ITEM

EXISTING SYMBOLS

DRAINAGE	
	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
	DRAINAGE CATCH BASIN
	DRAINAGE JUNCTION BOX
	DRAINAGE MANHOLE
	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES	
	CURB
	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
	LAMP AND POST - RESIDENTIAL
	MALBOX
	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE

NATURAL ROADSIDE FEATURES	
	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	TREE STUMP
	SHRUBBERY
	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

SURVEY CONTROL & MONUMENTATION	
	SURVEY BENCHMARK LOCATION
	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS
	PROPERTY MARKER - CONCRETE MON.
	PROPERTY MARKER - IRON PIPE

UTILITY	
	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
	CABLE TV DISTRIBUTION BOX
	ELECTRIC MANHOLE
	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
	GAS MANHOLE
	GAS METER
	GAS VALVE
	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
	SANITARY SEWER MANHOLE
	SANITARY SEWER VALVE
	SANITARY SEWER VENT OR CLEANOUT
	SEPTIC DRAIN FIELD
	TELEPHONE BOOTH
	TELEPHONE MANHOLE
	TELEPHONE TEST POINT
	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
	WATER - FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL HEAD

UTILITY COMPANY FACILITIES	
	TOWN OF MILLSBORO WATER
	EASTERN SHORE NATURAL GAS
	VERIZON DELAWARE, LLC
	VERIZON BUSINESS/MCI WORLDCOM

PROPOSED SYMBOLS

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BUTT JOINT
	CONSTRUCTION BASELINE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
	CLEAR ZONE
	DRAINAGE INLET
	DITCH
	FENCE - METAL
	FENCE - WOOD
	FLARED END SECTION
	GUARDRAIL, TYPES 1 & 3
	GUARDRAIL, TYPE 2
	GUARDRAIL END TREATMENT - PARALLEL
	GUARDRAIL END TREATMENT - PARABOLIC
	HORIZONTAL CLEARANCE
	JUNCTION BOX - DRAINAGE
	LIMIT OF CONSTRUCTION
	MANHOLE
	PAVEMENT PATCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK @ 4"
	P.C.C. SIDEWALK @ 6"
	UNDERDRAIN
	UNDERDRAIN OUTLET

CONSTRUCTION PHASING SYMBOLS	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	PHASING TRAFFIC FLOW ARROW

LANDSCAPING	
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

EROSION & SEDIMENT CONTROL	
	DEWATERING BASIN
	EROSION CONTROL BLANKET
	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
	PORTABLE SEDIMENT TANK
	REINFORCED SILT FENCE
	SANDBAG DIKE
	SANDBAG DIVERSION
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE
	SUMP PIT, TYPE 1
	SUMP PIT, TYPE 2
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
	SEDIMENT TRAP PIPE OUTLET
	STILLING WELL
	TEMPORARY SWALE
	TEMPORARY SLOPE DRAIN

IDENTIFIERS	
	ADJUST BY CONTRACTOR
	ADJUST BY OTHERS
	CONCRETE SAFETY BARRIER
	CURB OR CURB & GUTTER
	CONVERT TO JUNCTION BOX
	CONVERT TO DRAINAGE MANHOLE
	CURB OPENING
	CURB RAMP / TYPE
	CURB RAMP / TYPE - WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
	DRAINAGE INLET
	DO NOT DISTURB
	FLARED END SECTION
	FILTRATION STRUCTURE
	GUARDRAIL
	JUNCTION BOX
	LANDSCAPE PLANTINGS
	MANHOLE
	MONUMENT - RIGHT-OF-WAY
	PIPE
	RELOCATE BY CONTRACTOR
	RELOCATE BY OTHERS
	REMOVE BY CONTRACTOR
	REMOVE BY OTHERS
	SEDIMENT TRAP
	SILT FENCE
	UNDERDRAIN

PAVEMENT SECTION(S)	
	HOT-MIX PAVEMENT RECONSTRUCTION 2" SUPERPAVE, TYPE C HOT-MIX 3" SUPERPAVE, TYPE B HOT-MIX 8" SUPERPAVE, BCB 6" GRADED AGGREGATE BASE COURSE, TYPE B
	MILL AND OVERLAY - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	HOT-MIX DRIVEWAY SECTION 2" SUPERPAVE, TYPE C HOT-MIX 6" GRADED AGGREGATE BASE COURSE, TYPE B
	REMOVAL OF EXISTING PAVEMENT

RIGHT-OF-WAY SYMBOLS	
	PROPOSED RIGHT-OF-WAY MONUMENT
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	PROPOSED DENIAL OF ACCESS
	PROPOSED PERMANENT EASEMENT
	PROPOSED RIGHT-OF-WAY
	PROPOSED R/W & DENIAL OF ACCESS
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY BASELINE
	HISTORIC RIGHT-OF-WAY BASELINE

TRAFFIC	
	ITMS CONDUIT
	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

MISCELLANEOUS	
	ABANDON BY CONTRACTOR
	SAFETY END STRUCTURE
	UTILITY POLE
	GRASS FILTER STRIP
	CONSTRUCTION SAFETY FENCE
	TOWN LIMITS

UTILITY COMPANY FACILITIES	
	VERIZON
	UTILITY POLE
	UTILITY POLE GUY WIRE ANCHOR
	FIRE HYDRANT

ADDENDUMS / REVISIONS

NOT TO SCALE

HSIP SUSSEX COUNTY,
US 113 INTERSECTION
IMPROVEMENTS

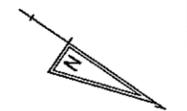
CONTRACT
T201206307
COUNTY
SUSSEX

BRIDGE NO.
DESIGNED BY: D.A.D.
CHECKED BY: J.R.R.

NA

LEGEND

SHEET NO.
1
TOTAL SHTS.
11

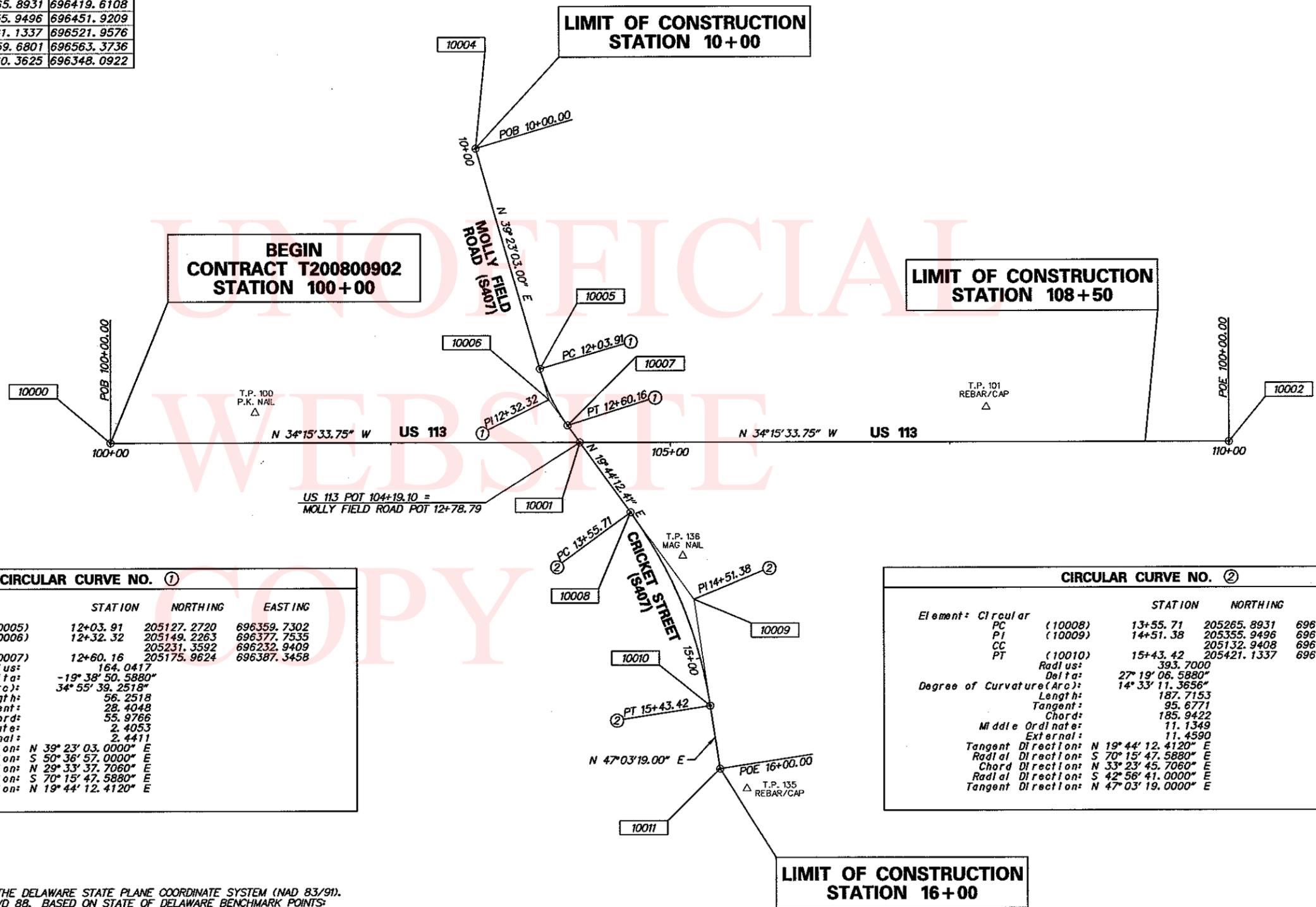


CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	*OFFSET	NORTHING	EASTING
10000	100+00.00	0.00'	204847.1137	696629.5623
10001	104+19.10	0.00'	205193.4957	696393.6363
10002	110+00.00	0.00'	205673.6114	696066.6222
10004	10+00.00	0.00'	204969.6673	696230.3452
10005	12+03.91	0.00'	205127.2720	696359.7302
10006	12+32.32	2.44'	205149.2263	696377.7535
10007	12+60.16	0.00'	205175.9624	696387.3458
10008	13+55.71	0.00'	205265.8931	696419.6108
10009	14+51.38	-11.45'	205355.9496	696451.9209
10010	15+43.42	0.00'	205421.1337	696521.9576
10011	16+00.00	0.00'	205459.6801	696563.3736
10071	105+00.00	0.00'	205260.3625	696348.0922

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	*OFFSET	NORTHING	EASTING	ELEVATION
100	101+28.91	-26.83'	204938.5516	696534.8195	25.52'
101	107+82.44	-30.89'	205476.4105	696163.5666	25.53'
135	**	**	205489.5958	696564.4480	25.54'
136	14+11.72	-18.45'	205325.9178	696425.5494	24.95'

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE
 ** TRAVERSE POINTS OUTSIDE LIMITS OF BASELINE



CIRCULAR CURVE NO. ①				
Element:		STATION	NORTHING	EASTING
PC	(10005)	12+03.91	205127.2720	696359.7302
PI	(10006)	12+32.32	205149.2263	696377.7535
CC		205231.3592	696232.9409	
PT	(10007)	12+60.16	205175.9624	696387.3458
Radius:		164.0417		
Delta:		-19° 38' 50.5880"		
Degree of Curvature (Arc):		34° 55' 39.2518"		
Length:		56.2518		
Tangent:		28.4048		
Chord:		55.9766		
Middle Ordinate:		2.4053		
External:		2.4411		
Tangent Direction:		N 39° 23' 03.0000" E		
Radial Direction:		S 50° 36' 57.0000" E		
Chord Direction:		N 29° 33' 37.7060" E		
Radial Direction:		S 70° 15' 47.5880" E		
Tangent Direction:		N 19° 44' 12.4120" E		

CIRCULAR CURVE NO. ②				
Element:		STATION	NORTHING	EASTING
PC	(10008)	13+55.71	205265.8931	696419.6108
PI	(10009)	14+51.38	205355.9496	696451.9209
CC		205132.9408	696790.1825	
PT	(10010)	15+43.42	205421.1337	696521.9576
Radius:		393.7000		
Delta:		27° 19' 06.5880"		
Degree of Curvature (Arc):		14° 33' 11.3656"		
Length:		187.7153		
Tangent:		95.6771		
Chord:		185.9422		
Middle Ordinate:		11.1349		
External:		11.4590		
Tangent Direction:		N 19° 44' 12.4120" E		
Radial Direction:		S 70° 15' 47.5880" E		
Chord Direction:		N 33° 23' 45.7060" E		
Radial Direction:		S 42° 56' 41.0000" E		
Tangent Direction:		N 47° 03' 19.0000" E		

DATUM REFERENCE:
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).
 VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88, BASED ON STATE OF DELAWARE BENCHMARK POINTS:

POINT	NORTH	EAST	ELEV.
HU2670	199819.7398	732912.3541	25.6348
HU2675	240018.8301	668394.2155	46.7076
HU2680	332978.7837	660636.2863	35.2447

LOCATION 1:
 US 113 @ MOLLY FIELD ROAD/
 CRICKET STREET

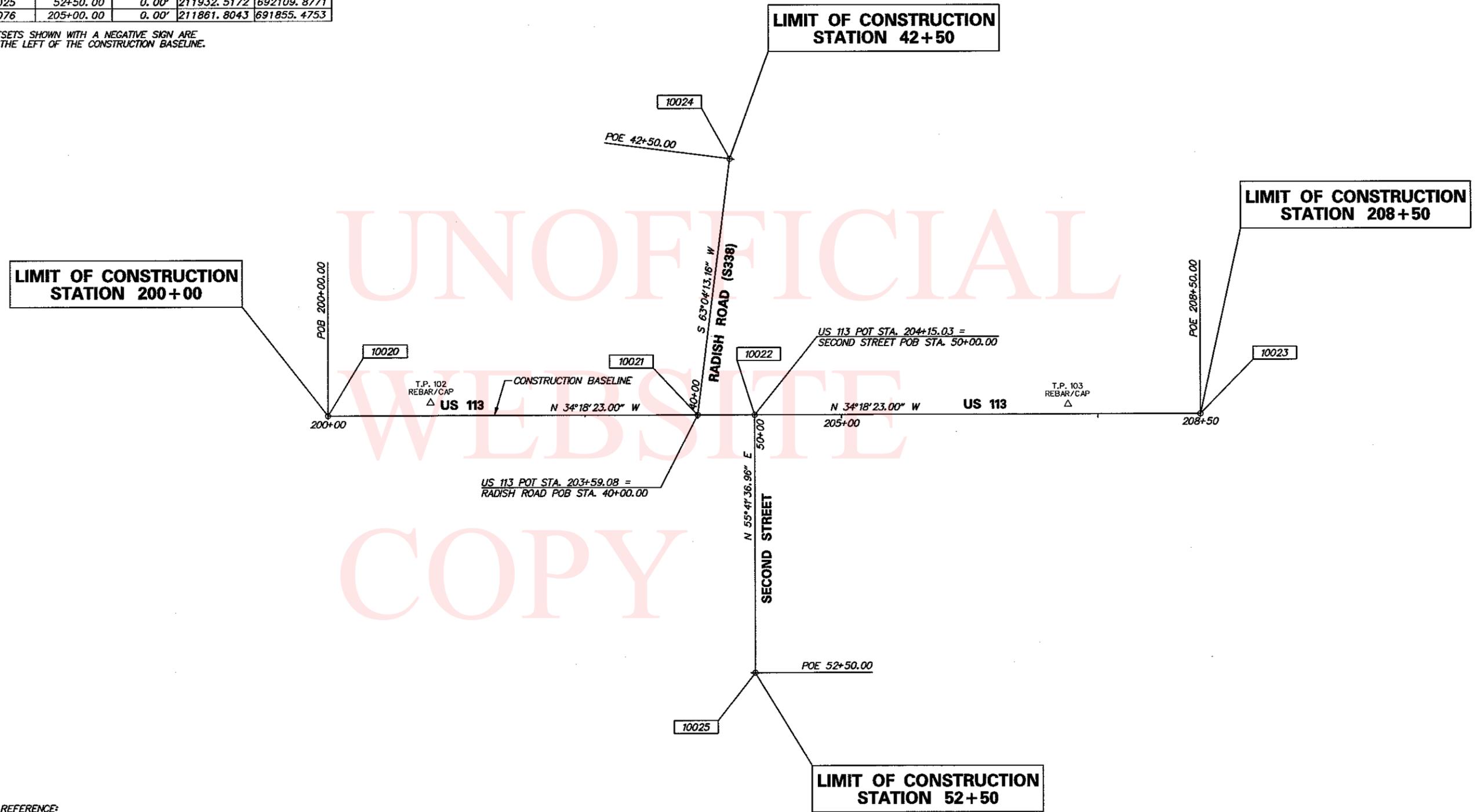
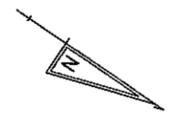
	ADDENDUMS / REVISIONS		NOT TO SCALE	HSIP SUSSEX COUNTY, US 113 INTERSECTION IMPROVEMENTS	CONTRACT	BRIDGE NO.	N/A	HORIZONTAL AND VERTICAL CONTROL	SHEET NO.	
					T201206307				DESIGNED BY: D.A.D.	2
					SUSSEX				CHECKED BY: J.R.R.	TOTAL SHTS.
										11

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	*OFFSET	NORTHING	EASTING
10020	200+00.00	0.00'	211448.7866	692137.2843
10021	203+59.08	0.00'	211745.3991	691934.9005
10022	204+15.03	0.00'	211791.6126	691903.3683
10023	208+50.00	0.00'	212150.9167	691658.2089
10024	42+50.00	0.00'	211632.1749	691712.0098
10025	52+50.00	0.00'	211932.5172	692109.8771
10076	205+00.00	0.00'	211861.8043	691855.4753

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	*OFFSET	NORTHING	EASTING	ELEVATION
102	200+99.41	-12.31	211523.9557	692071.0848	23.10'
103	207+20.69	-9.31	212038.8582	691723.3972	22.61'

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.



UNOFFICIAL WEBSITE COPY

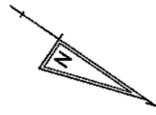
DATUM REFERENCE:
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).
 VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88, BASED ON STATE OF DELAWARE BENCHMARK POINTS:

POINT	NORTH	EAST	ELEV.
HU2670	199819.7398	732912.3541	25.6348
HU2675	240018.8301	668394.2155	46.7076
HU2680	332978.7837	660636.2863	35.2447

LOCATION 3:
**US 113 @ RADISH ROAD/
 SECOND STREET**

10/23/2013 10:59:54 AM 103.dwg
 10/23/2013 10:59:54 AM 103.dwg

 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	HSIP SUSSEX COUNTY, US 113 INTERSECTION IMPROVEMENTS	CONTRACT	BRIDGE NO.	NA	HORIZONTAL AND VERTICAL CONTROL	SHEET NO.
				T201206307		DESIGNED BY: D.A.D.		3
				SUSSEX		CHECKED BY: J.R.R.		TOTAL SHTS.
								11

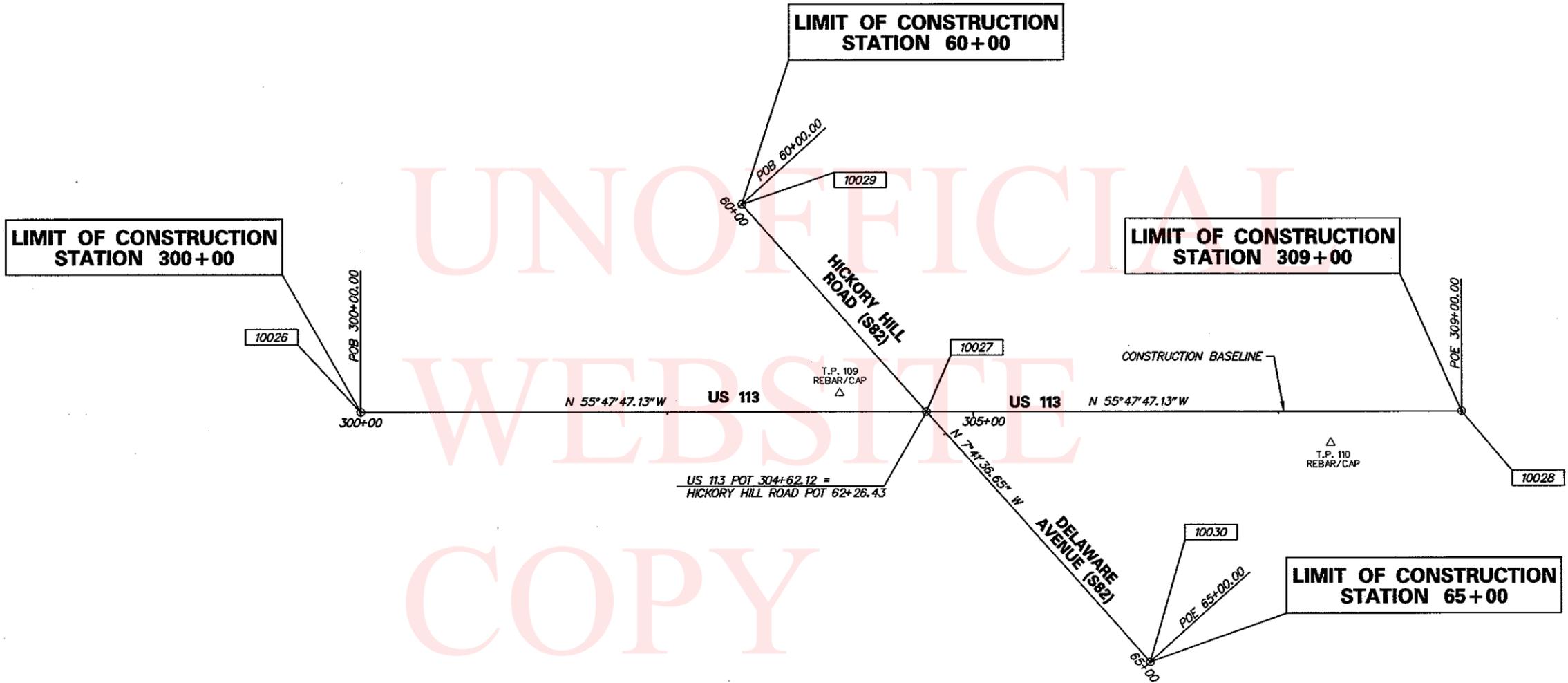


CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	*OFFSET	NORTHING	EASTING
10026	300+00.00	0.00'	214570.1510	689136.2144
10027	304+62.12	0.00'	214829.9225	688754.0235
10028	309+00.00	0.00'	215076.0724	688391.8735
10029	60+00.00	0.00'	214605.5312	688784.3366
10030	65+00.00	0.00'	215101.0304	688717.3996
10077	305+00.00	0.00'	214851.2184	688722.6917

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	*OFFSET	NORTHING	EASTING	ELEVATION
109	303+90.97	-15.22	214777.3435	688804.3050	26.71'
110	307+92.57	25.60	215036.8266	688495.1306	26.50'

* OFFSETS SHOWN WITH A NEGATIVE SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.



UNOFFICIAL
WEBSITE
COPY

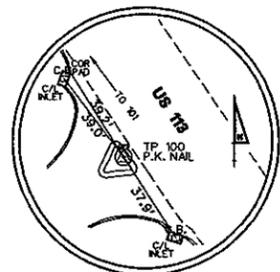
DATUM REFERENCE:
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).
VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88, BASED ON STATE OF DELAWARE BENCHMARK POINTS:

POINT	NORTH	EAST	ELEV.
HU2670	199819.7398	732912.3541	25.6348
HU2675	240018.8301	668394.2155	46.7076
HU2680	332978.7837	660636.2863	35.2447

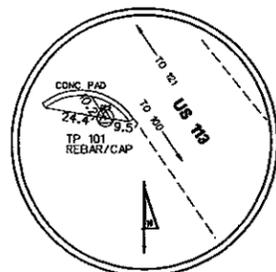
LOCATION 4:
US 113 @ HICKORY HILL ROAD
DELAWARE AVENUE

D:\11956-00\11956-00.dwg 10/4/2013 10:41:24 AM

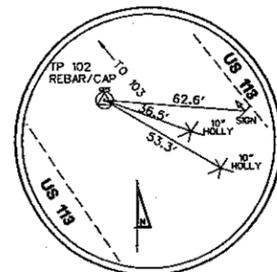
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	T201206307			DESIGNED BY: D.A.D.	4			
	SUSSEX			CHECKED BY: J.R.R.	11			



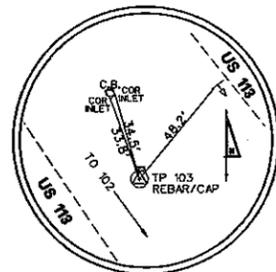
TRAVERSE POINT #100
P.K. NAIL



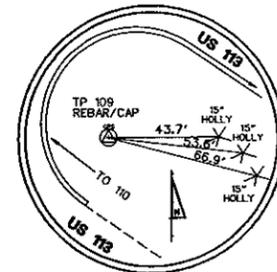
TRAVERSE POINT #101
REBAR/CAP



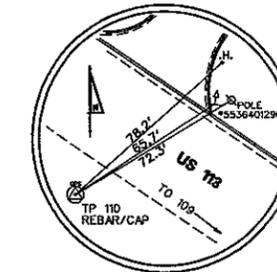
TRAVERSE POINT #102
REBAR/CAP



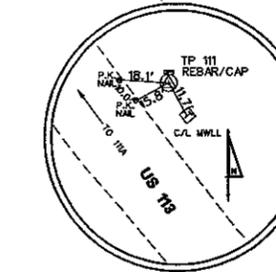
TRAVERSE POINT #103
REBAR/CAP



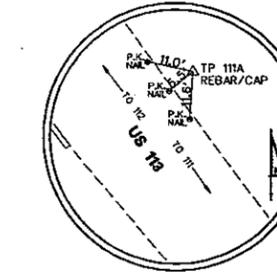
TRAVERSE POINT #109
REBAR/CAP



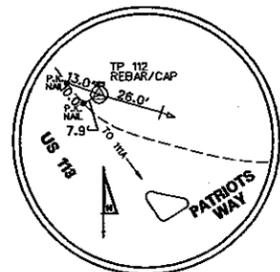
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REBAR/CAP



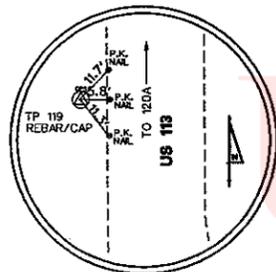
TRAVERSE POINT #111
REBAR/CAP



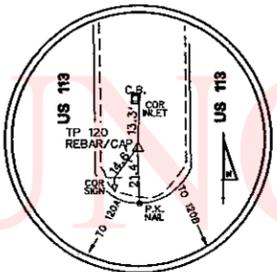
TRAVERSE POINT #111A
REBAR/CAP



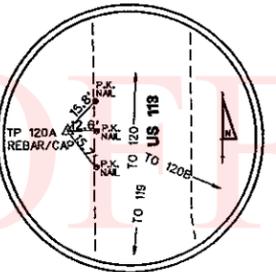
TRAVERSE POINT #112
REBAR/CAP



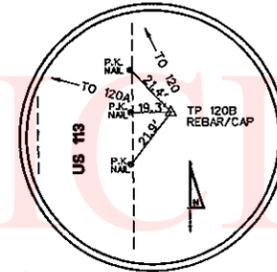
TRAVERSE POINT #119
REBAR/CAP



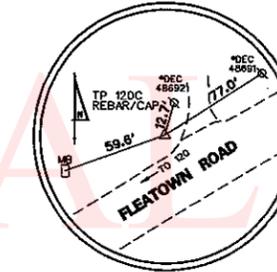
TRAVERSE POINT #120
REBAR/CAP



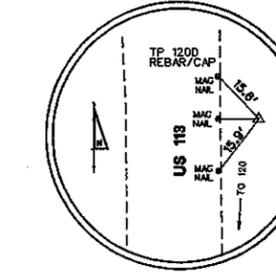
TRAVERSE POINT #120A
REBAR/CAP



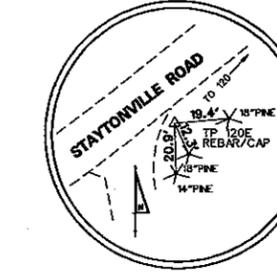
TRAVERSE POINT #120B
REBAR/CAP



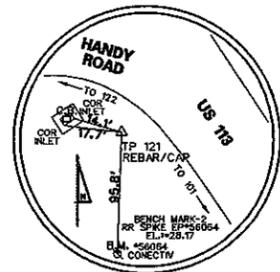
TRAVERSE POINT #120C
REBAR/CAP



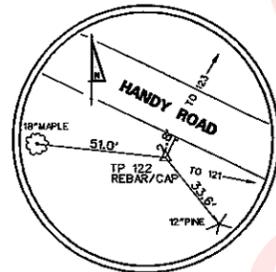
TRAVERSE POINT #120D
REBAR/CAP



TRAVERSE POINT #120E
REBAR/CAP



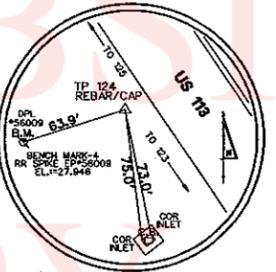
TRAVERSE POINT #121
REBAR/CAP



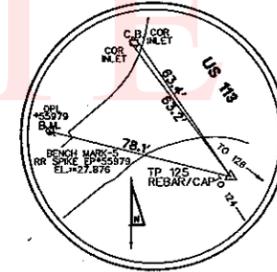
TRAVERSE POINT #122
REBAR/CAP



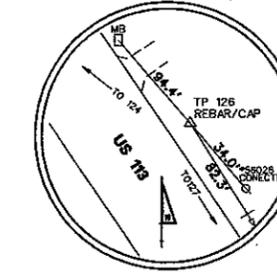
TRAVERSE POINT #123
REBAR/CAP



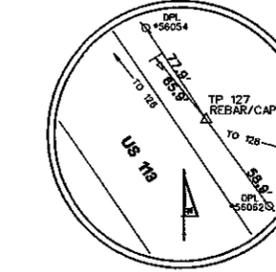
TRAVERSE POINT #124
REBAR/CAP



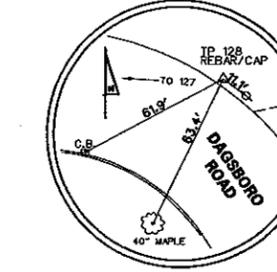
TRAVERSE POINT #125
REBAR/CAP



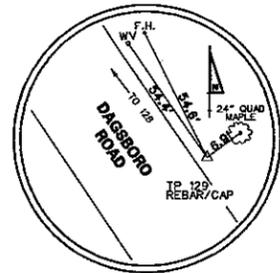
TRAVERSE POINT #126
REBAR/CAP



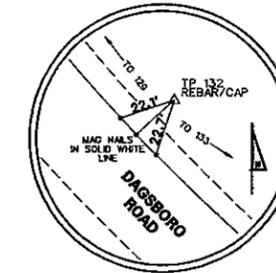
TRAVERSE POINT #127
REBAR/CAP



TRAVERSE POINT #128
REBAR/CAP



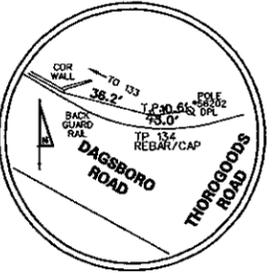
TRAVERSE POINT #129
REBAR/CAP



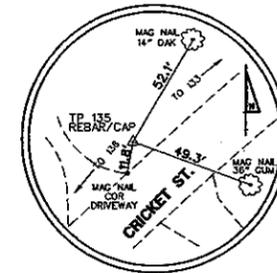
TRAVERSE POINT #132
REBAR/CAP



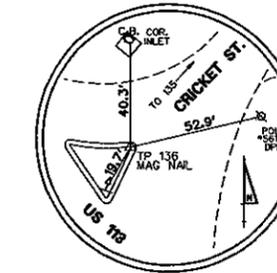
TRAVERSE POINT #133
REBAR/CAP



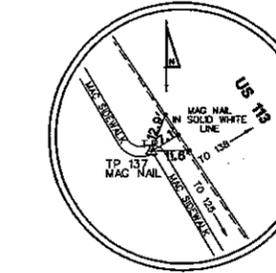
TRAVERSE POINT #134
REBAR/CAP



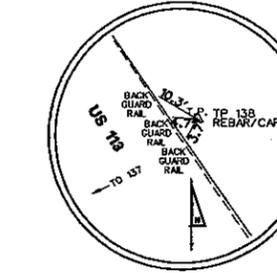
TRAVERSE POINT #135
REBAR/CAP



TRAVERSE POINT #136
MAG NAIL



TRAVERSE POINT #137
MAG NAIL



TRAVERSE POINT #138
REBAR/CAP

COPY WEBSITE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

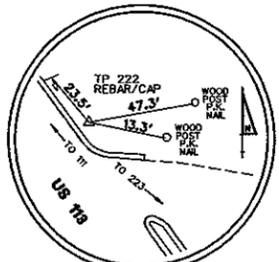
**HSIP SUSSEX COUNTY,
US 113 INTERSECTION
IMPROVEMENTS**

CONTRACT
T201206307
COUNTY
SUSSEX

BRIDGE NO. **NA**
DESIGNED BY: D.A.D.
CHECKED BY: J.R.R.

**HORIZONTAL AND
VERTICAL CONTROL**

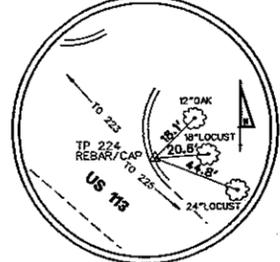
SHEET NO.
5
TOTAL SHTS.
11



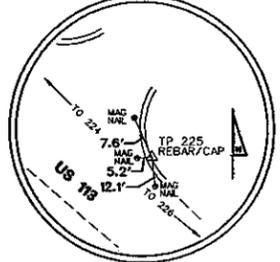
TRAVERSE POINT #222
REBAR/CAP



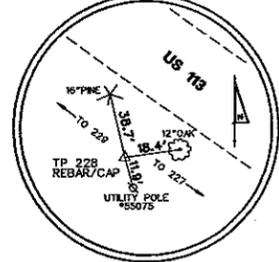
TRAVERSE POINT #223
REBAR/CAP



TRAVERSE POINT #224
REBAR/CAP



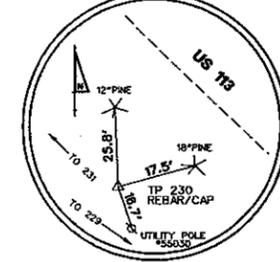
TRAVERSE POINT #225
REBAR/CAP



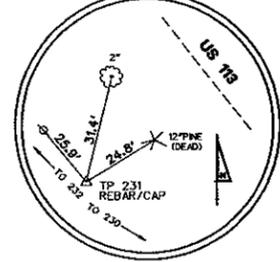
TRAVERSE POINT #228
REBAR/CAP



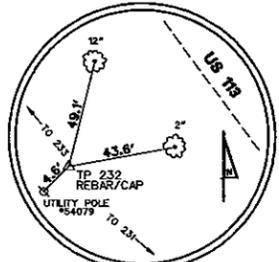
TRAVERSE POINT #229
REBAR/CAP



TRAVERSE POINT #230
REBAR/CAP



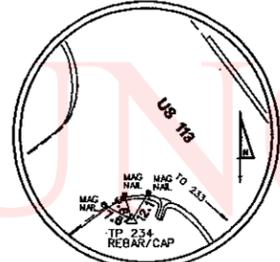
TRAVERSE POINT #231
REBAR/CAP



TRAVERSE POINT #232
REBAR/CAP



TRAVERSE POINT #233
REBAR/CAP



TRAVERSE POINT #234
REBAR/CAP

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COPY

10/19/08 09:59:28 10080013.dgn

ADDENDUMS / REVISIONS	

NOT TO SCALE

HSIP SUSSEX COUNTY,
US 113 INTERSECTION
IMPROVEMENTS

CONTRACT	BRIDGE NO.	NA
T201206307	DESIGNED BY:	D.A.D.
COUNTY	CHECKED BY:	J.R.R.
SUSSEX		

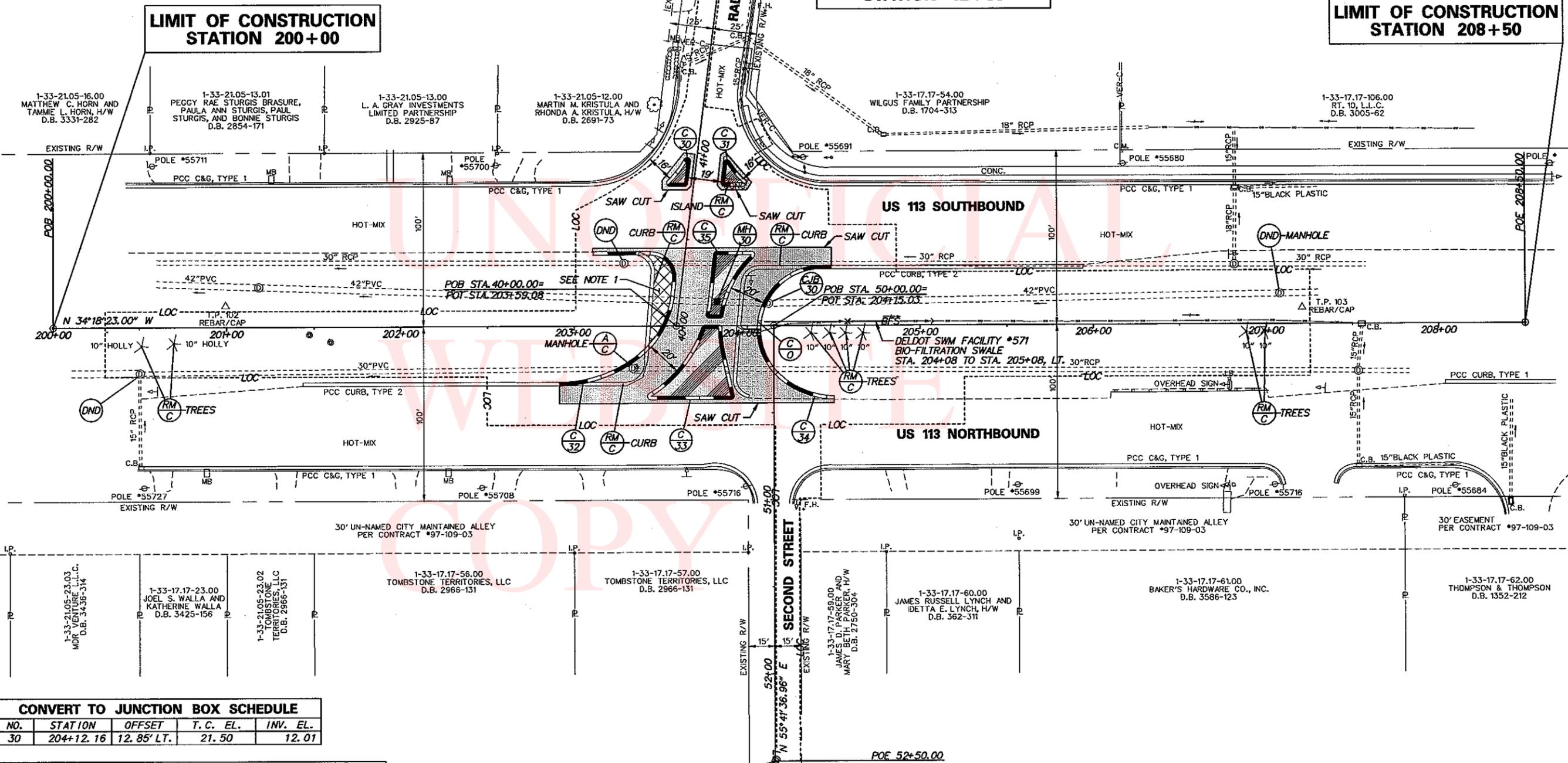
HORIZONTAL AND
VERTICAL CONTROL

SHEET NO.	6
TOTAL SHTS.	11

NOTE:
THIS INTERSECTION IS LOCATED WITHIN THE TOWN OF MILLSBORO.

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
30	PCC CURB, TYPE 2	50'
31	PCC CURB, TYPE 2	49'
32	PCC CURB, TYPE 2	159'
33	PCC CURB, TYPE 2	159'
34	PCC CURB, TYPE 2	130'
35	PCC CURB, TYPE 2	115'

NOTES:
1. REMOVE EXISTING PAVEMENT AND SUBGRADE MATERIAL, THEN BACKFILL. AFTER REGRADING, SOIL SHALL BE LOOSENEED, TOPSOILED, SEEDED AND MULCHED WITH SOIL RETENTION BLANKET, TYPE 4.



CONVERT TO JUNCTION BOX SCHEDULE

NO.	STATION	OFFSET	T. C. EL.	INV. EL.
30	204+12.16	12.85' LT.	21.50	12.01

MANHOLE SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	T. C. EL.	INV. EL.
30	203+82.68	13.80' LT.	48" x 30"	24.30	11.85

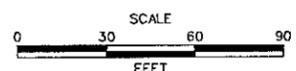
**LIMIT OF CONSTRUCTION
STATION 52+50**

**LOCATION 3:
US 113 @ RADISH
ROAD/SECOND STREET**

03/19/05 001:59:54:00 07:44:13:00
 03/21/05 11:39:47:00

**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



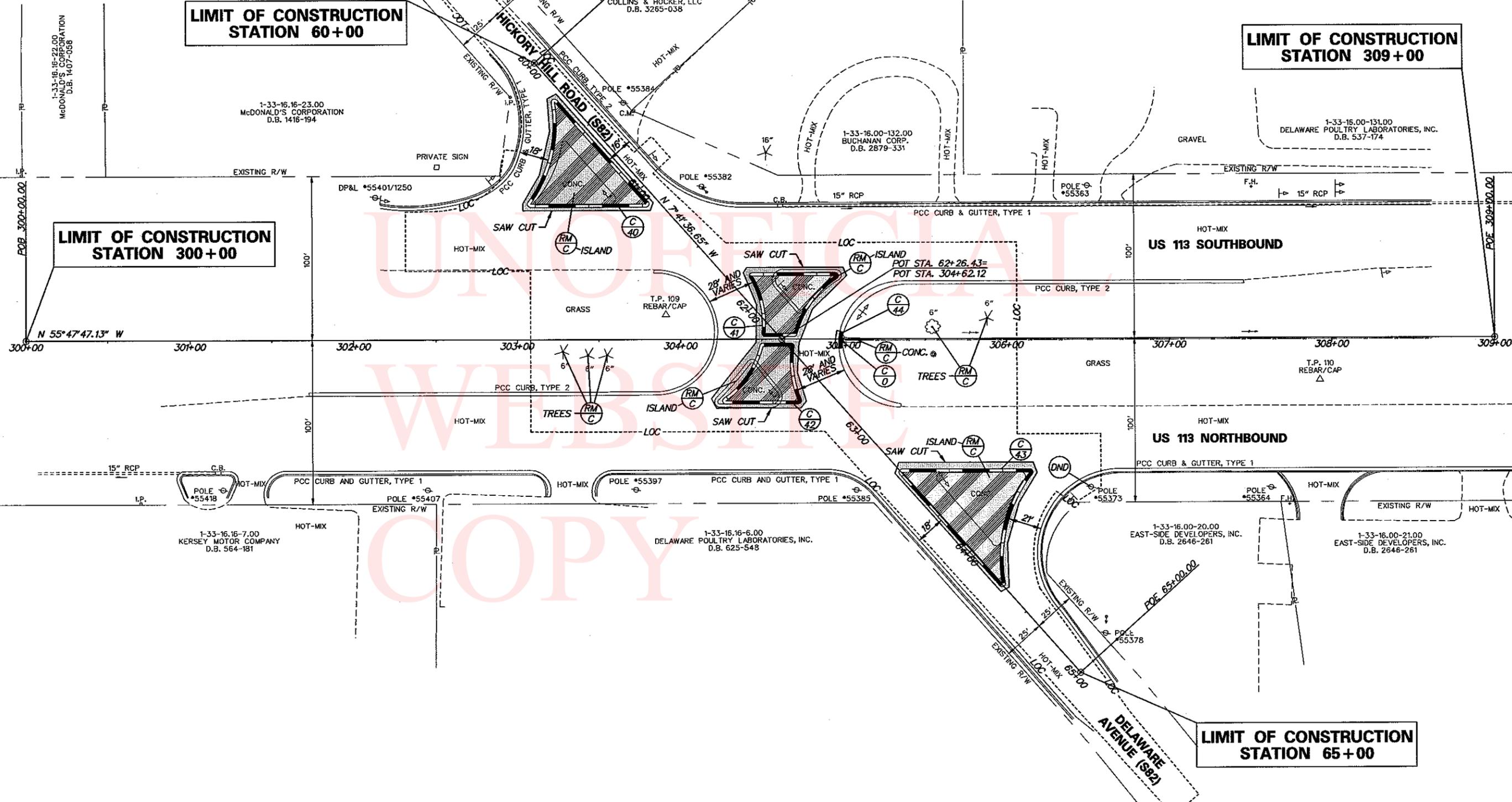
**HSIP SUSSEX COUNTY,
US 113 INTERSECTION
IMPROVEMENTS**

CONTRACT T201206307	BRIDGE NO. NA
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: J.R.R.

CONSTRUCTION PLAN

SHEET NO. 7
TOTAL SHTS. 11

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
40	PCC CURB, TYPE 2	232'
41	PCC CURB, TYPE 2	164'
42	PCC CURB, TYPE 2	151'
43	PCC CURB, TYPE 2	254'
44	PCC CURB, TYPE 2	10'



**LIMIT OF CONSTRUCTION
STATION 60+00**

**LIMIT OF CONSTRUCTION
STATION 309+00**

**LIMIT OF CONSTRUCTION
STATION 300+00**

**LIMIT OF CONSTRUCTION
STATION 65+00**

NOTE:
THIS INTERSECTION IS LOCATED WITHIN THE TOWN OF MILLSBORO.

**LOCATION 4:
US 113 @ HICKORY HILL ROAD/
DELAWARE AVENUE**

2019/05/01 09:59:50 pjburns.dgn

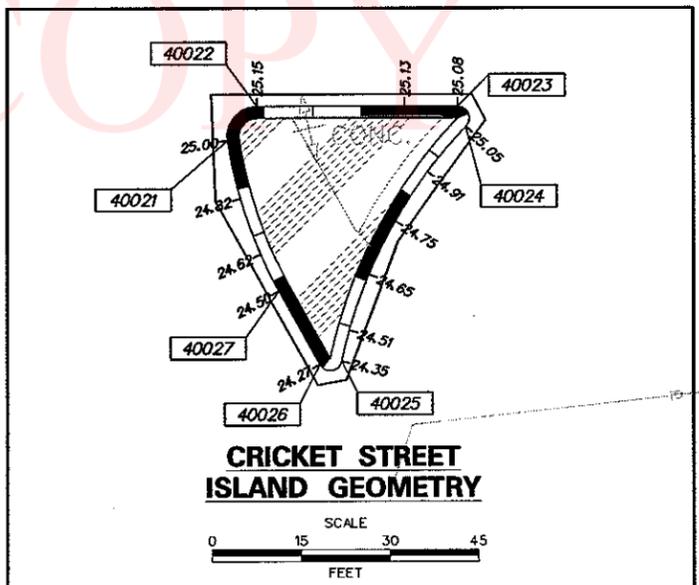
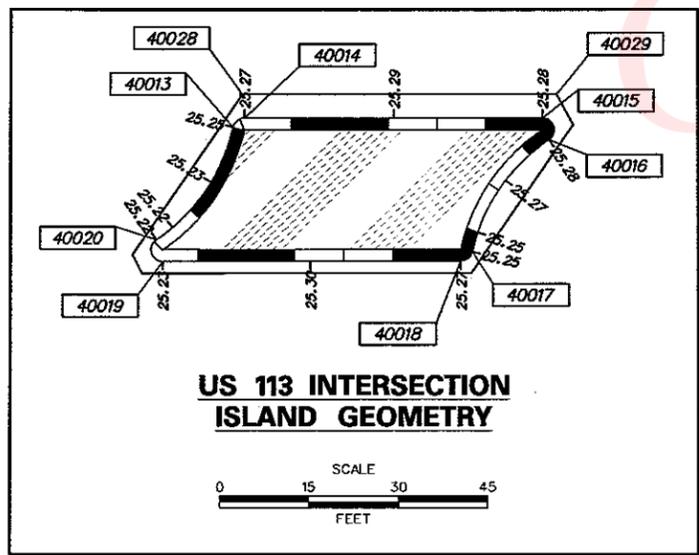
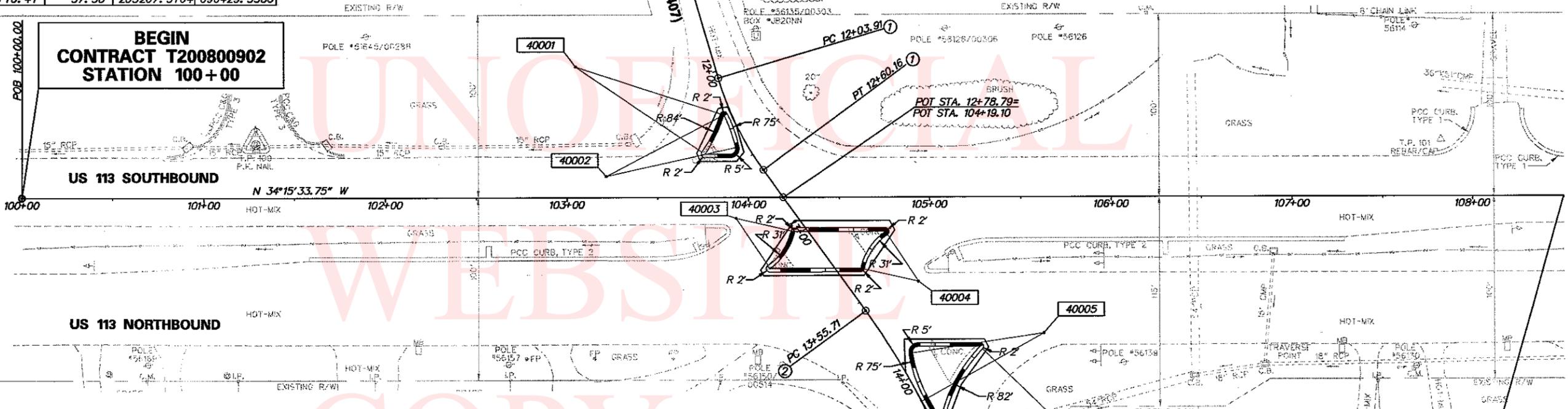
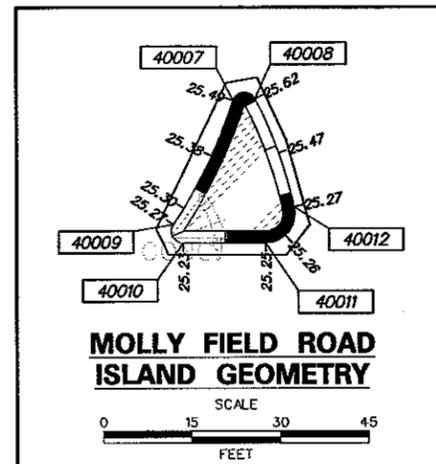
<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	<p>SCALE</p> <p>0 30 60 90</p> <p>FEET</p>	<p>HSIP SUSSEX COUNTY, US 113 INTERSECTION IMPROVEMENTS</p>	CONTRACT	BRIDGE NO.	<p>NA</p>	<p>SHEET NO. 8</p> <p>TOTAL SHTS. 11</p>
					T201206307		
				SUSSEX	CHECKED BY: J.R.R.		

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40001	11+75.63	73.82	205058.5731	696398.8459
40002	12+27.22	76.91	205106.3873	696438.9532
40003	103+93.15	11.49	205178.5196	696417.7435
40004	104+93.71	46.11	205281.1184	696389.7449
40005	14+12.52	-77.17	205354.0309	696374.4483
40006	14+71.61	-74.05	205411.8508	696414.6826
40007	12+22.44	5.55	205139.2085	696375.3103
40008	12+23.57	2.04	205142.0802	696372.9910
40009	12+35.83	23.63	205142.5712	696398.2863
40010	12+38.92	23.63	205145.6970	696399.9260
40011	12+45.12	11.57	205157.1743	696392.1086
40012	12+42.46	4.28	205157.7862	696384.3349
40013	104+23.43	18.37	205207.4164	696406.3800
40014	104+25.38	16.81	205208.1517	696403.9951
40015	104+75.48	16.81	205249.5625	696375.7896
40016	104+76.59	20.48	205252.5426	696378.1922
40017	104+63.64	39.32	205252.4462	696401.0563
40018	104+61.69	40.88	205251.7146	696403.4413
40019	104+11.53	40.97	205210.3000	696431.7571
40020	104+10.41	37.30	205207.3164	696429.3580

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40021	13+88.27	-7.10	205298.9947	696425.3995
40022	13+86.01	-14.31	205299.8491	696417.8703
40023	14+02.05	-43.64	205327.9510	696398.7296
40024	14+05.35	-43.25	205331.0477	696400.7231
40025	14+29.39	-6.42	205335.7759	696445.2867
40026	14+28.31	-2.84	205333.0233	696447.8206
40027	14+14.28	-2.19	205320.3892	696441.4800
40028	104+24.99	12.81	205205.5821	696400.9056
40029	104+77.88	12.81	205249.2968	696371.1309

NOTE:
1. OFFSETS SHOWN WITH A MINUS SIGN DENOTE LEFT OF THE BASELINE.

**LIMIT OF CONSTRUCTION
STATION 10+00**



**LIMIT OF CONSTRUCTION
STATION 108+50**

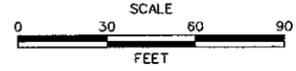
**LIMIT OF CONSTRUCTION
STATION 16+00**

**LOCATION 1:
US 113 @ MOLLY FIELD ROAD/
CRICKET STREET**

25/3/2016 10:58:58 AM



ADDENDUMS / REVISIONS	



**HSIP SUSSEX COUNTY,
US 113 INTERSECTION
IMPROVEMENTS**

CONTRACT T201206307	BRIDGE NO. NA
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: J.R.R.

GRADES AND GEOMETRICS

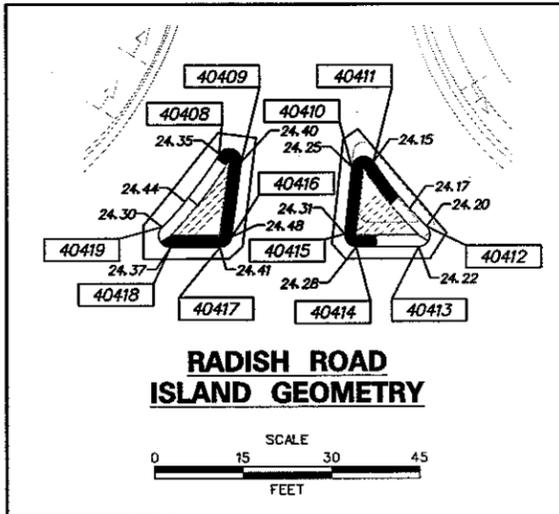
SHEET NO. 9
TOTAL SHTS. 11

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40401	41+25.58	-71.63	211624.6616	691855.3753
40402	41+43.72	72.27	211744.7445	691774.0307
40403	202+91.49	-40.89	211666.5180	691939.2158
40404	203+05.04	-24.10	211687.1792	691945.4471
40405	203+44.04	-27.77	211717.3220	691920.4413
40406	204+42.58	2.47	211815.7658	691889.8824
40407	204+50.77	-7.62	211816.8496	691876.9277
40408	40+95.65	-7.25	211695.6188	691852.9085
40409	40+94.80	-3.43	211699.4002	691851.9322
40410	40+96.32	15.31	211715.4196	691842.0898
40411	40+97.67	18.82	211717.9407	691839.3010
40412	40+87.99	29.16	211731.5484	691843.2450
40413	40+84.41	28.21	211732.3220	691846.8655
40414	40+83.06	17.76	211723.6133	691852.8076
40415	40+85.01	15.50	211720.7188	691852.0919
40416	40+82.07	-3.43	211705.1721	691863.2787
40417	40+80.09	-5.17	211704.5167	691865.8376
40418	40+79.00	-13.58	211697.5129	691870.6164
40419	40+82.21	-15.42	211694.4206	691868.5920
40420	203+10.98	-42.77	211681.5618	691926.6821
40421	203+44.04	-42.77	211708.8678	691908.0508
40422	203+58.94	-26.10	211730.5767	691913.4189
40423	204+43.70	-34.51	211795.8453	691858.7028
40424	204+48.70	-34.50	211799.9810	691855.8928
40425	204+49.87	42.38	211844.2798	691918.7318
40426	204+19.25	31.19	211812.6811	691926.7536
40427	203+38.60	17.47	211738.3233	691960.8720

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40428	202+91.34	34.11	211708.6676	692001.2513
40429	203+77.56	-12.59	211753.5643	691914.0873
40430	203+80.74	-40.99	211740.1851	691888.8341
40431	203+82.72	-42.77	211740.8251	691886.2457
40432	204+02.44	-42.77	211757.1105	691875.1340
40433	204+03.80	-39.30	211760.1878	691877.2300
40434	203+86.82	14.31	211776.3823	691931.0885
40435	203+92.27	39.96	211795.3354	691949.2033
40436	203+90.31	42.38	211795.0807	691952.3012
40437	203+44.17	42.38	211756.9661	691978.3075
40438	203+43.13	38.67	211754.0181	691975.8278
40439	203+76.40	-6.82	211755.8639	691919.5079
40440	203+78.34	-4.32	211758.8698	691920.4783
40441	203+75.92	-0.32	211759.1297	691925.1409
40442	203+74.04	0.99	211758.3178	691927.2886
40443	203+85.58	1.71	211768.2558	691921.3753
40444	203+83.59	-0.32	211765.4629	691920.8273
40445	203+84.23	-4.32	211763.7455	691917.1574
40446	203+86.21	-6.02	211764.4212	691914.6358
40447	204+05.92	-2.58	211782.6404	691906.3659

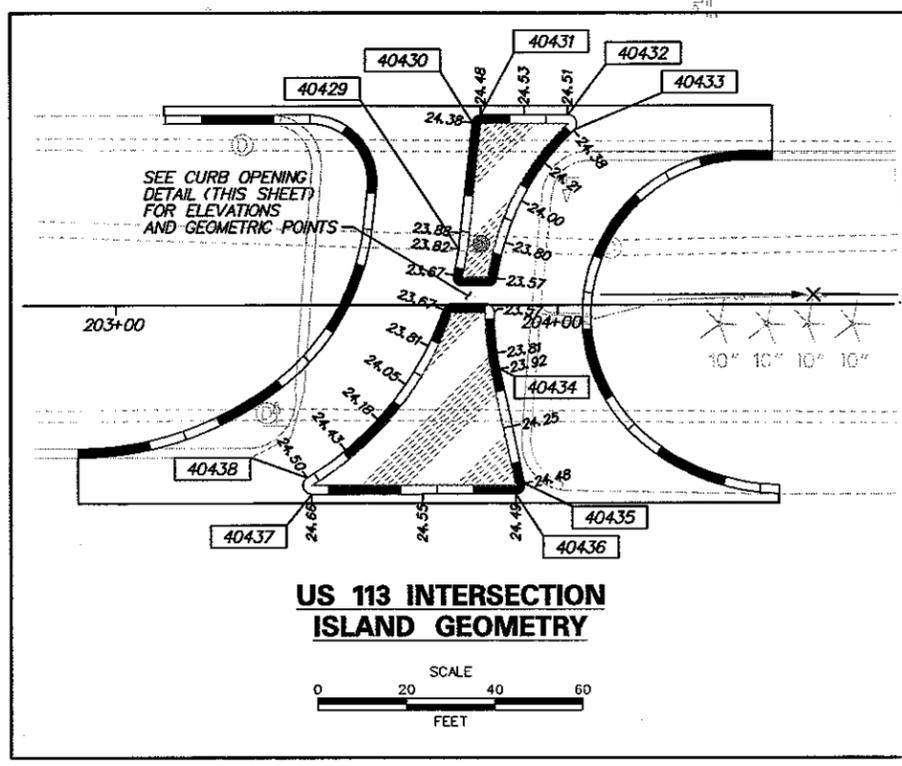
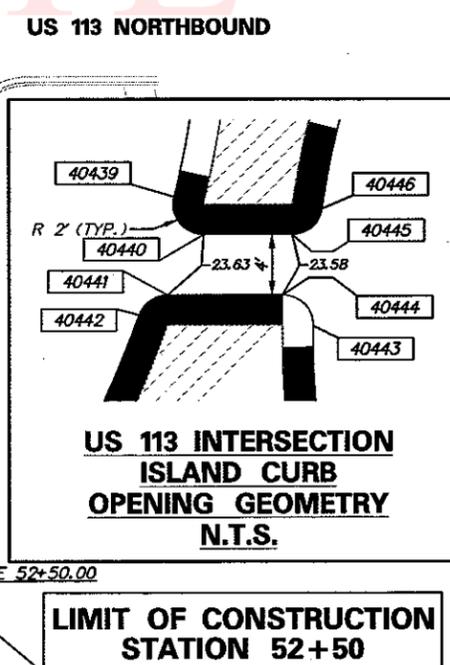
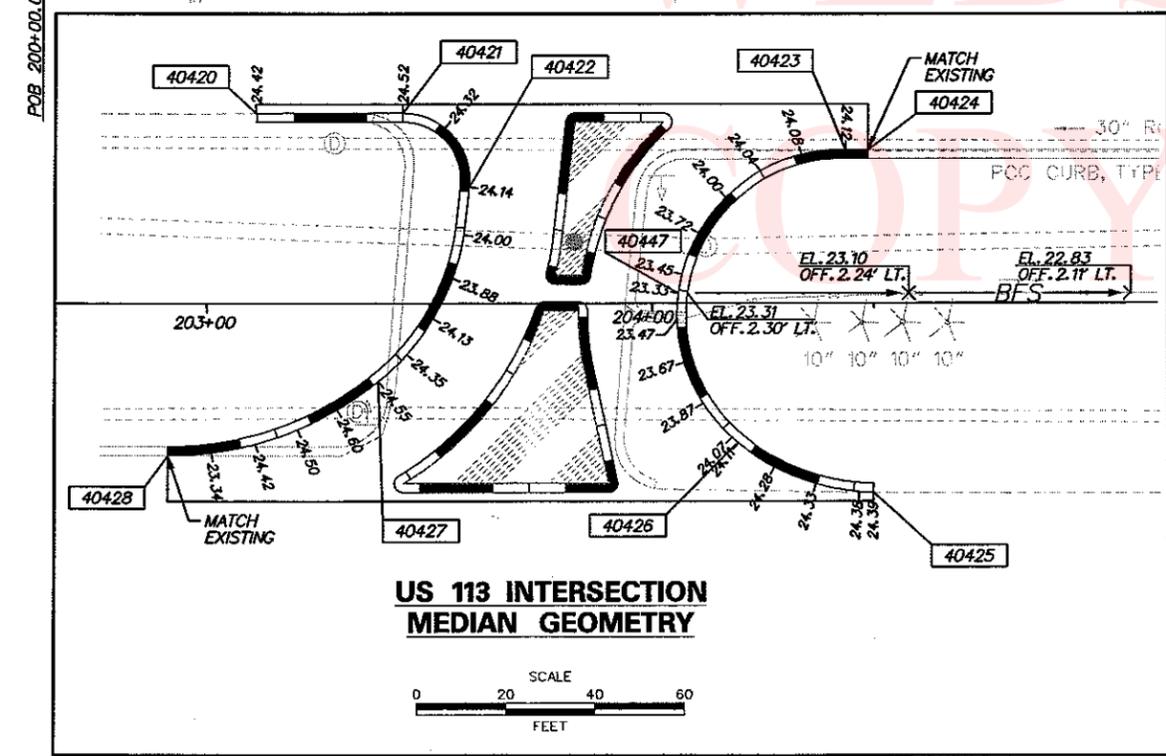
NOTE:
 1. OFFSETS SHOWN WITH A MINUS SIGN DENOTE LEFT OF THE BASELINE.
 2. POINT NO. 40447 IS LOCATED ON THE EDGE OF PAVEMENT AND DENOTES THE CENTER OF THE CURB OPENING.

LIMIT OF CONSTRUCTION
STATION 42+50



LIMIT OF CONSTRUCTION
STATION 208+50

LIMIT OF CONSTRUCTION
STATION 200+00



LOCATION 3:
US 113 @ RADISH
ROAD/SECOND STREET

13/2008.dwg

ADDENDUMS / REVISIONS

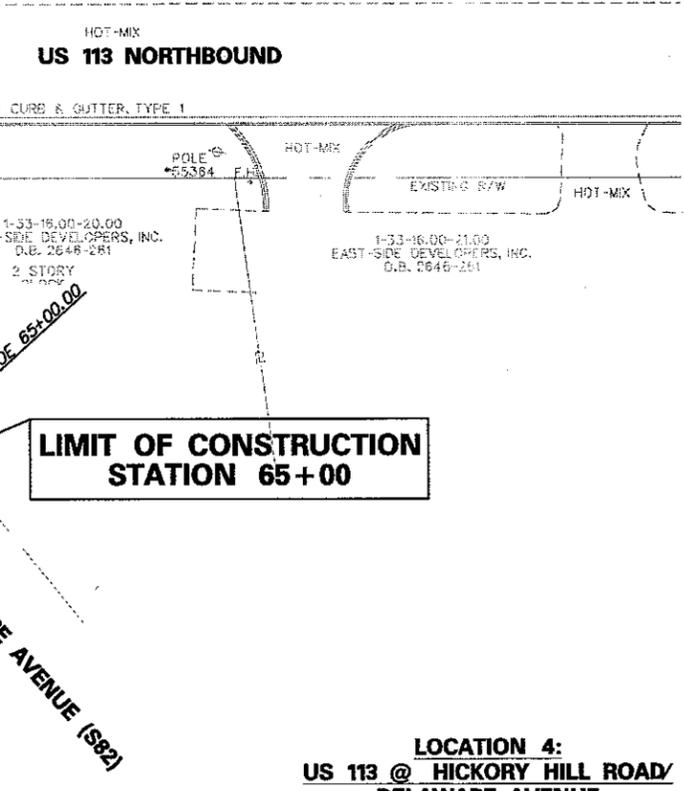
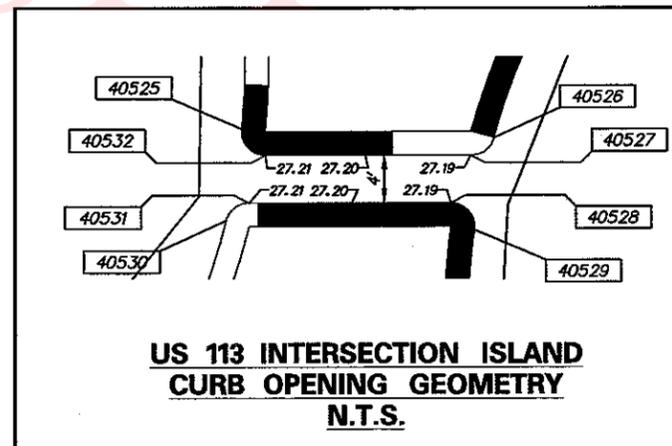
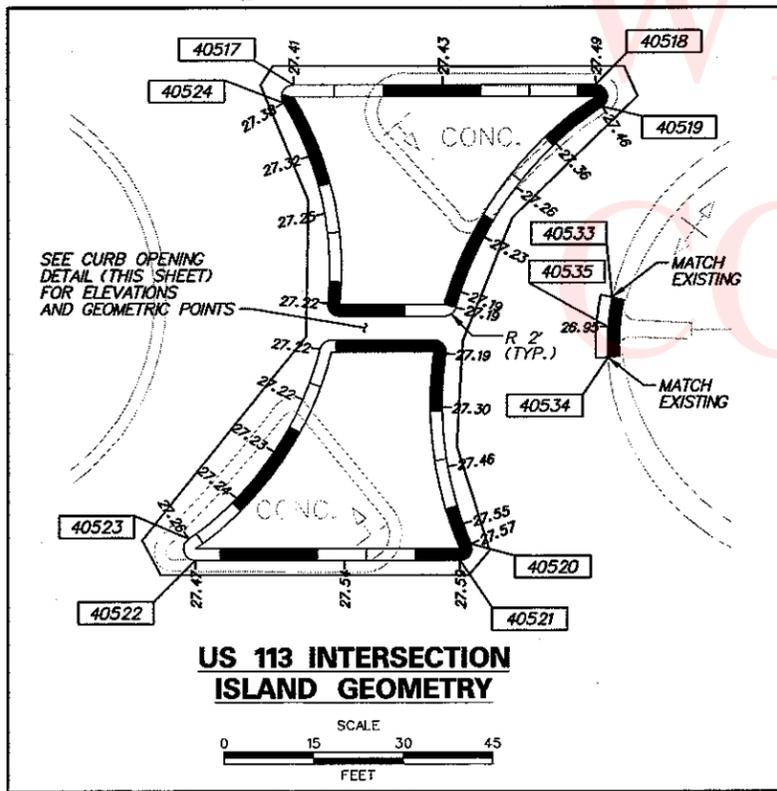
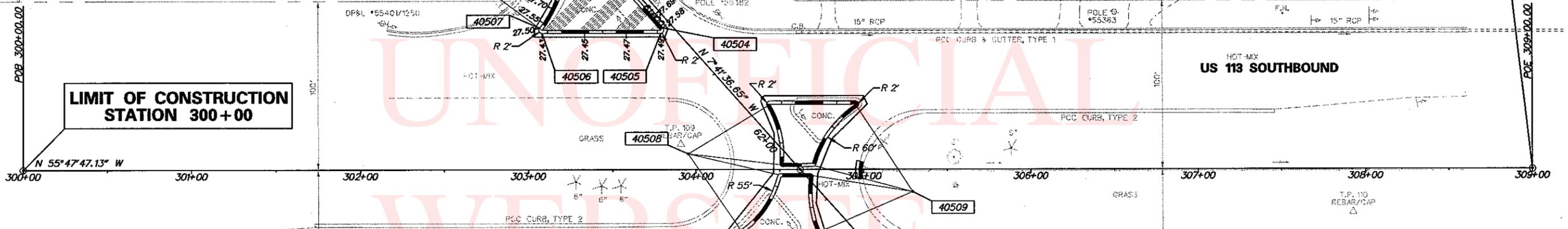
CONTRACT T201206307	BRIDGE NO. N/A	DESIGNED BY: B.S.S.	CHECKED BY: J.R.R.
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GRADES AND GEOMETRICS	SHEET NO. 10
	TOTAL SHTS. 11

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40501	302+42.27	-131.36	214597.6982	688861.9981
40502	60+24.89	8.48	214631.3280	688789.4100
40503	60+25.96	4.80	214631.9010	688785.6133
40504	61+09.17	4.80	214714.3568	688774.4743
40505	61+10.65	8.13	214716.2786	688777.5806
40506	60+63.61	60.56	214676.6805	688835.8397
40507	60+60.17	59.64	214673.1404	688835.3809
40508	303+95.33	-9.38	214784.6248	688803.9890
40509	305+29.20	13.17	214878.5246	688705.9424
40510	63+34.69	-1.77	214936.9717	688737.7759
40511	63+86.85	-59.91	214980.8793	688673.1765
40512	63+90.31	-58.93	214984.4367	688673.6863
40513	64+73.96	-73.98	215065.3251	688647.5700
40514	64+28.56	-2.13	215029.9465	688724.8575

NOTE:
 1. OFFSETS SHOWN WITH A MINUS SIGN DENOTE LEFT OF THE BASELINE.
 2. POINT NO. 40535 IS LOCATED ON THE EDGE OF PAVEMENT AND DENOTES THE CENTER OF THE CURB OPENING.

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40515	64+27.49	1.57	215029.3818	688728.6581
40516	63+36.18	1.57	214938.8935	688740.8821
40517	304+44.27	-40.60	214786.3099	688745.9626
40518	304+95.09	-40.60	214814.8768	688703.9333
40519	304+96.19	-36.93	214818.5307	688705.0861
40520	304+74.00	36.68	214866.9440	688764.8142
40521	304+72.16	39.47	214868.2120	688767.9008
40522	304+27.80	39.47	214843.2765	688804.5875
40523	304+26.66	35.82	214839.6225	688803.4817
40524	304+42.55	-37.58	214787.8469	688749.0835
40525	304+50.05	-3.80	214819.9937	688761.8696
40526	304+71.44	-3.06	214832.6339	688744.5953
40527	304+68.42	-1.60	214832.1417	688747.9152
40528	304+67.83	2.40	214835.1181	688750.6519
40529	304+69.80	4.68	214838.1191	688750.2976
40530	304+48.70	3.92	214825.6204	688767.3234
40531	304+51.45	2.40	214825.9103	688764.1989
40532	304+52.04	-1.60	214822.9339	688761.4622
40533	304+97.89	-4.75	214846.1014	688721.7658
40534	304+97.13	5.38	214854.0542	688728.0834
40535	304+97.20	0.40	214849.9742	688725.2322



LOCATION 4:
 US 113 @ HICKORY HILL ROAD/
 DELAWARE AVENUE

10:38:05 10/10/2011 10:38:05 10/10/2011

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



**HSIP SUSSEX COUNTY,
 US 113 INTERSECTION
 IMPROVEMENTS**

CONTRACT	BRIDGE NO.	NA
T201206307	DESIGNED BY: B.S.S.	
COUNTY	CHECKED BY: J.R.R.	
SUSSEX		

GRADES AND GEOMETRICS

SHEET NO.	11
TOTAL SHTS.	11