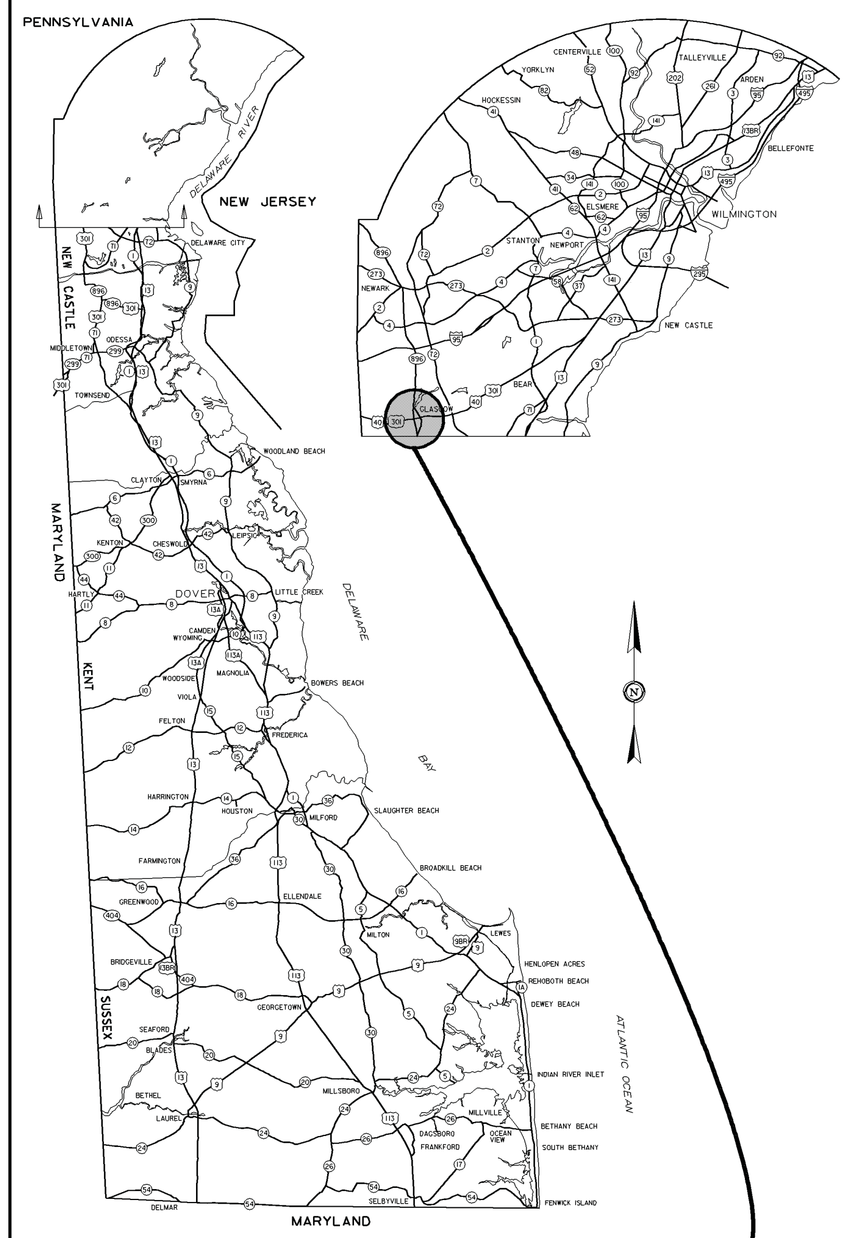
THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS



GENERAL LOCATION OF CONTRACT

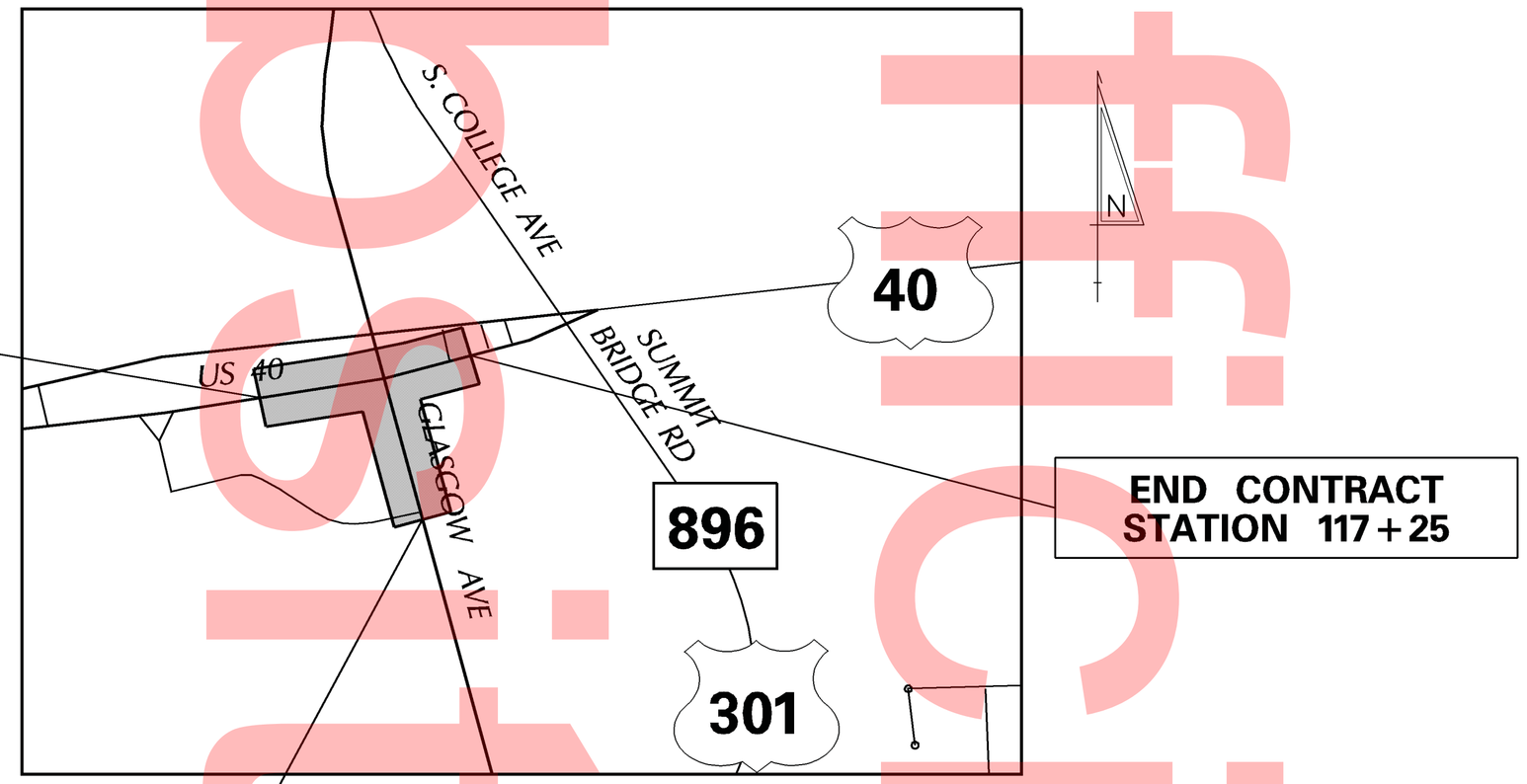
CONSTRUCTION PLANS FOR:

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT NUMBER: T201300101

FEDERAL AID PROJECT NUMBER: ESTP- N032 (16)

COUNTY: NEW CASTLE **M.R. #:** N032



BEGIN CONTRACT STATION 111+25

END CONTRACT STATION 117+25

LIMIT OF CONTRACT STATION 299+75

DESIGN DESIGNATION- US 40

FUNCTIONAL CLASS: PRINCIPAL ARTERIAL		D.H.V. PROJECTED: 1755	YEAR: 2040
TYPE OF CONSTRUCTION: SAFETY		DESIGN SPEED: 45 M.P.H.	
A.A.D.T. CURRENT: 28768	YEAR: 2012	TRUCKS: 9 %	
A.A.D.T. PROJECTED: 39000	YEAR: 2040	DIRECTION OF DISTRIBUTION: 50 %	

DESIGN DESIGNATION- GLASGOW AVE

FUNCTIONAL CLASS: MAJOR COLLECTOR		D.H.V. PROJECTED: 807	YEAR: 2040
TYPE OF CONSTRUCTION: SAFETY		DESIGN SPEED: 40 M.P.H.	
A.A.D.T. CURRENT: 13595	YEAR: 2012	TRUCKS: 12 %	
A.A.D.T. PROJECTED: 18350	YEAR: 2040	DIRECTION OF DISTRIBUTION: 55 %	

INDEX OF SHEETS

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TOTAL SHEETS: 20

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
87-108-02	RIGHT-OF-WAY PLANS CONTRACT NUMBER 87-108-02
CN 12	PLAN FOR CONSTRUCTION OF CONTRACT NO. CN-12
CN 6	PLAN FOR CONSTRUCTION OF CONTRACT NO. CN-6

RECOMMENDED

SQUAD MANAGER, CONSTRUCTION — DATE 03/03/2015

GROUP ENGINEER, CONSTRUCTION — DATE 03/03/2015

ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) — DATE 03/03/2015

RECOMMENDED

STORMWATER ENGINEER

DATE 03/03/2015

VINCENT W. DAVIS REGISTERED No. 12898 DELAWARE PROFESSIONAL ENGINEER — SEAL

RECOMMENDED

SQUAD MANAGER, TRANSPORTATION SOLUTIONS (PROJECT DEVELOPMENT OR BRIDGE DESIGN)

DATE 03/02/2015

JENNA LYNNE FRYE LICENSE No. 18184 DELAWARE PROFESSIONAL ENGINEER — SEAL

RECOMMENDED

BRIDGE DESIGN ENGINEER

DATE 03/02/2015

JASON M. HASTINGS REGISTERED No. 13545 DELAWARE PROFESSIONAL ENGINEER — SEAL

RECOMMENDED

GROUP ENGINEER, PROJECT DEVELOPMENT

DATE 03/04/2015

DARREN M. O'NEILL REGISTERED No. 10857 DELAWARE PROFESSIONAL ENGINEER — SEAL

RECOMMENDED

ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS

DATE 03/04/2015

MARK CHRISTOPHER TUDOR REGISTERED No. 10803 DELAWARE PROFESSIONAL ENGINEER — SEAL

APPROVED

CHIEF ENGINEER

DATE 03/04/2015

ROBERT BRIAN McCLEARY REGISTERED No. 8567 DELAWARE PROFESSIONAL ENGINEER — SEAL

LAST REVISED: 8/7/2008
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DO NOT USE
Preliminary

EXISTING SYMBOLS

DRAINAGE

	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
C.B. / D.I.	DRAINAGE INLET
J.B.	DRAINAGE JUNCTION BOX
Ⓓ	DRAINAGE MANHOLE
SIZE/TYPE LABEL	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES

	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
(TYPE LABEL)	CURB
(TYPE LABEL)	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
F.P.	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
LAMP	LAMP AND POST - RESIDENTIAL
MB	MAILBOX
P.M.	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
WL	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS

C.M.	PROPERTY MARKER - CONCRETE MON.
I.P.	PROPERTY MARKER - IRON PIPE
100+00	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
PL	EXISTING PROPERTY LINE
EASEMENT TYPE	EXISTING EASEMENT
DA	EXISTING DENIAL OF ACCESS
R/W-DA	EXISTING R/W & DENIAL OF ACCESS

SURVEY CONTROL & MONUMENTATION

B.M.	SURVEY BENCHMARK LOCATION
T.P.	SURVEY TIE POINT LOCATION
△	SURVEY TRAVERSE POINT
◎	POINT OF CURVATURE OR TANGENCY
◎	POINT OF INTERSECTING TANGENTS

UTILITY

	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
TV	CABLE TV DISTRIBUTION BOX
Ⓔ	ELECTRIC MANHOLE
EM	ELECTRIC METER
E	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
Ⓖ	GAS MANHOLE
G.M.	GAS METER
G.V.	GAS VALVE
G.P.	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
Ⓢ	SANITARY SEWER MANHOLE
S.V.	SANITARY SEWER VALVE
VENT	SANITARY SEWER VENT OR CLEANOUT
S.D.F.	SEPTIC DRAIN FIELD
B	TELEPHONE BOOTH
Ⓣ	TELEPHONE MANHOLE
T	TELEPHONE TEST POINT
J.W.	TRAFFIC - CONDUIT JUNCTION WELL
◎	TRAFFIC - LIGHT POLE AND BASE
◎	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
⊗	TRAFFIC - SIGNAL POLE AND BASE
U	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
F.H.	WATER - FIRE HYDRANT
W.M.	WATER METER
W.V.	WATER VALVE
WELL	WELL HEAD
?	MANHOLE - UNDETERMINED OWNER

UTILITY COMPANY FACILITIES

AW-W	ARTESIAN WATER COMPANY
COM-C	COMCAST CABLE
DP-E	DELMARVA POWER- ELECTRIC
DP-G	DELMARVA POWER- GAS
LVLT	LEVEL3 COMMUNICATIONS LLC
NCC-S	NEW CASTLE COUNTY- SEWER
VER-C	VERIZON

PROPOSED SYMBOLS

CONSTRUCTION

	CONCRETE SAFETY BARRIER - PERMANENT
BFS	BIOFILTRATION SWALE
	BRICK PATTERNED SURFACE
	BUTT JOINT
100+00	CONSTRUCTION BASELINE
CSF	CONSTRUCTION SAFETY FENCE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
CZ	CLEAR ZONE
■	DRAINAGE INLET
	DITCH
	FENCE - METAL
	FENCE - WOOD
	FLARED END SECTION
	GUARDRAIL, TYPE 1
	GUARDRAIL, TYPE 2
	GUARDRAIL, TYPE 3
	GUARDRAIL END ANCHORAGE
	GUARDRAIL END TREATMENT, TYPE 1
	GUARDRAIL END TREATMENT, TYPE 2
	GUARDRAIL END TREATMENT, TYPE 3
	IMPACT ATTENUATOR
■	JUNCTION BOX - DRAINAGE
LO	LATERAL OFFSET
LOC	LIMIT OF CONSTRUCTION
MB	MAILBOX
●	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	UNDERDRAIN
	UNDERDRAIN OUTLET

RIGHT-OF-WAY SYMBOLS

▣	PROPOSED RIGHT-OF-WAY MONUMENT
DA	PROPOSED DENIAL OF ACCESS
PE	PROPOSED PERMANENT EASEMENT
R/W	PROPOSED RIGHT-OF-WAY
R/W-DA	PROPOSED R/W & DENIAL OF ACCESS
TCE	TEMPORARY CONSTRUCTION EASEMENT
100+00	PROPOSED RIGHT-OF-WAY BASELINE

IDENTIFIERS

(A/C)	ADJUST BY CONTRACTOR
(A/O)	ADJUST BY OTHERS
(B)	CONCRETE SAFETY BARRIER
(C)	CURB OR CURB & GUTTER
(C.JB.)	CONVERT TO JUNCTION BOX
(C.MH.)	CONVERT TO DRAINAGE MANHOLE
(C/O)	CURB OPENING
(CR)	CURB RAMP / TYPE
(CR-N)	CURB RAMP / TYPE - WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
(CSF)	CONSTRUCTION SAFETY FENCE
(DI)	DRAINAGE INLET
(DND)	DO NOT DISTURB
(ED)	ENERGY DISSIPATOR
(F)	FENCE
(FES)	FLARED END SECTION
(FF/C)	FILL WITH FLOWABLE FILL
(FS)	FILTRATION STRUCTURE
(GR)	GUARDRAIL
(JB)	JUNCTION BOX
(MH)	MANHOLE
(M)	MONUMENT - RIGHT-OF-WAY
(P)	PIPE
(RL/C)	RELOCATE BY CONTRACTOR
(RL/O)	RELOCATE BY OTHERS
(RM/C)	REMOVE BY CONTRACTOR
(RM/O)	REMOVE BY OTHERS
(UD)	UNDERDRAIN / LENGTH
(UDO)	UNDERDRAIN OUTLET PIPE

LANDSCAPING

(LS)	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

TRAFFIC

ITMS-CON	ITMS CONDUIT
SIG-CON	SIGNAL CONDUIT
■	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

PAVEMENT SECTION(S)

	MILL AND OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	DRIVEWAY AND ENTRANCE PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS

UTILITY COMPANY FACILITIES

AW-W	ARTESIAN WATER COMPANY

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LAST REVISED: 01/09/2014
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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO.	N/A
T201300101	DESIGNED BY: BLK	
COUNTY	CHECKED BY: JLF	
NC		

LEGEND

SHEET NO.
2
TOTAL SHTS.
20

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2.

EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
( ) INSIGNIFICANT	NONE
( ) MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
(X) MEDIUM	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
( ) MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 6.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

3. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

( )	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	ALL PLAN SHEETS, IN PDF FORMAT.
( )	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
( )	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
( )	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

4. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

( )	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

5. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

( )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
(X)	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 743000.
( )	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE ATSSA SUPERVISOR'S SOLE JOB SHALL BE SUPERVISION OF THE INSTALLATION, OPERATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT SHALL NOT BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR SHALL BE PAID FOR UNDER ITEM 743031.

6. THE DISTURBED AREA FOR THIS PROJECT IS .31 ACRES.

7. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A THREE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE THREE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

PROJECT NOTES

SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

SECTION 200

2. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S TEAM SUPPORT SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

3. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   - JUNCTION BOX

SECTION 300

4. A. THE CONTRACTOR MAY ELECT TO USE ANY OF THE FOLLOWING MATERIALS TO MEET THE REQUIREMENTS OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B':
   a. CRUSHED STONE (PER STANDARD SPECIFICATION 821)
   b. CRUSHED CONCRETE (PER STANDARD SPECIFICATION 821)
   c. HOT-MIX MILLINGS (PER SPECIAL PROVISION 302514 MILLED HOT-MIX BASE COURSE)

   THE CONTRACTOR WILL NOT BE ALLOWED TO MIX DIFFERENT MATERIALS (OR SIMILAR MATERIALS FROM DIFFERENT SOURCES) TO MEET THE REQUIREMENTS OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.

   ALL OF THE ABOVE LISTED MATERIALS ARE PERMITTED FOR USE ON THE JOB, PROVIDED THEY ARE SEPARATED INTO APPROVED AREAS. EACH AREA OF BASE COURSE MUST BE CONSTRUCTED USING MATERIALS FROM A SINGULAR SOURCE, FULL DEPTH, IN ORDER THAT PROPER TESTING MAY BE ACCOMPLISHED. THE CONTRACTOR AND DELDOT'S PROJECT ENGINEER SHALL AGREE ON THE LIMITS OF EACH SOURCE OF MATERIAL PRIOR TO PLACEMENT.

   B. THE QUANTITY USED FOR BASE OF EACH OF THE ABOVE LISTED MATERIALS WILL BE THE CONTRACTOR'S CHOICE, WITH THE TOTAL MEETING THE ADVERTISED QUANTITY OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.

   C. THE CONTRACTOR MAY ALSO ELECT TO RECYCLE MILLINGS FOR USE IN HOT-MIX AS PERMITTED BY THE STANDARD SPECIFICATIONS. THE CHOICE OF THE QUANTITY OF MILLINGS USED FOR THIS PURPOSE, OR FOR BASE COURSE, LIES WITH THE CONTRACTOR. ALL MILLING MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

   D. HOT-MIX MILLINGS MAY BE GENERATED FROM THE FOLLOWING SOURCES:
   a. MATERIAL MADE AVAILABLE WHEN MILLED ON THIS CONTRACT UNDER ITEM 760000.
   b. MATERIAL MILLED ON THIS CONTRACT AT THE CONTRACTOR'S CHOICE UNDER ITEM 202000.
   c. MILLED MATERIAL FURNISHED ON THE JOB FROM THE CONTRACTOR'S YARD OR OTHER OUTSIDE SOURCE.
   ALL MILLED MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS OF ITEM 302514 - MILLED HOT-MIX BASE COURSE.

   E. PAYMENT CLARIFICATION:
   a. SHOULD THE CONTRACTOR ELECT TO MILL PORTIONS OF HOT-MIX SHOWN ON THE PLANS TO BE REMOVED UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT THE COST OF MILLING THIS HOT-MIX WILL BE PAID AS ITEM 202000 - EXCAVATION AND EMBANKMENT. THE MILLINGS GENERATED MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE, OR DISPOSED OF TO AN APPROVED SITE. HAULING COSTS FOR DISPOSAL AND/OR RECYCLING ARE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.

   b. MILLINGS GENERATED UNDER ITEM 760000 - PAVEMENT MILLINGS, HOT-MIX MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE OR DISPOSED OF BY THE CONTRACTOR TO AN APPROVED SITE. NO SEPARATE PAYMENT WILL BE MADE FOR TRANSPORTING MILLINGS ON SITE OR TO AN APPROVED DISPOSAL SITE.

   c. SHOULD THE CONTRACTOR ELECT TO TEMPORARILY STOCKPILE MILLINGS ON THE JOB SITE FOR LATER USE, ALL COSTS FOR STOCKPILING AND SUBSEQUENT REHANDLING SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.

   d. MILLINGS USED FOR BASE COURSE SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE. NO SEPARATE PAYMENT WILL BE MADE TO FURNISH MILLINGS FROM AN OUTSIDE SOURCE OR TRANSPORT MILLINGS WITHIN THE PROJECT LIMITS. MILLINGS USED FOR BASE COURSE WILL BE PAID IN PLACE AT THE UNIT BID PRICE FOR ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.

   e. ALL COSTS TO UTILIZE MILLINGS IN RECYCLED HOT-MIX WILL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE HOT-MIX ITEM USING THE RECYCLED MATERIAL.

   f. SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE IS PROVIDED TO SPECIFY THE MEANS OF LAY DOWN AND COMPACTION AS WELL AS THE MATERIAL REQUIREMENTS FOR MILLINGS USED AS BASE COURSE. ALL COSTS TO BRING THE MILLINGS INTO COMPLIANCE WITH THE REQUIREMENTS OF ITEM - 302514 MILLED HOT-MIX BASE COURSE ARE INCIDENTAL TO ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'. NO PAYMENT WILL BE MADE FOR ITEM 302514 - MILLED HOT-MIX BASE COURSE. THE QUANTITY OF MILLINGS USED FOR BASE COURSE WILL BE PAID FOR UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE.

SECTION 600

5. THE DEPARTMENT AND THE CONTRACTOR SHALL INSPECT ALL EXISTING PIPES AND DRAINAGE STRUCTURES TO BE USED IN THE FINAL DRAINAGE SYSTEM AND AGREE ON THE CONDITION PRIOR TO THE START OF CONSTRUCTION. EXISTING PIPES AND DRAINAGE STRUCTURES DAMAGED DUE TO CONTRACTOR OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND AT THE CONTRACTOR'S EXPENSE. THE DEPARTMENT WILL VIDEO INSPECT NEW PIPE RUNS TO CONFIRM CONDITION PRIOR TO ACCEPTANCE. PIPE CLEANING PRIOR TO VIDEO INSPECTION AND MAINTENANCE OF TRAFFIC DURING THE VIDEO INSPECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO THE PIPE ITEM THAT IS BEING VIDEO INSPECTED.

SECTION 700

6. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.

7. WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762002 - SAWCUTTING, CONCRETE, FULL DEPTH.

8. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

MISCELLANEOUS

9. THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.

10. THE CONTRACTOR SHALL SUPPORT THE EXISTING WATER METER ON PARCEL NUMBER 11-026.00-075 WHILE INSTALLING PIPE P2. THIS COST IS INCIDENTAL TO ITEM NUMBER 612005.

EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	464 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	0 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	0 C.Y.
BORROW TYPE 'F' REQUIRED	5 C.Y.
TOPSOIL REQUIRED	65 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	0 C.Y.
BORROW TYPE 'F'	-5 C.Y.
TOPSOIL	-65 C.Y.
UNSUITABLE MATERIAL	+464 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

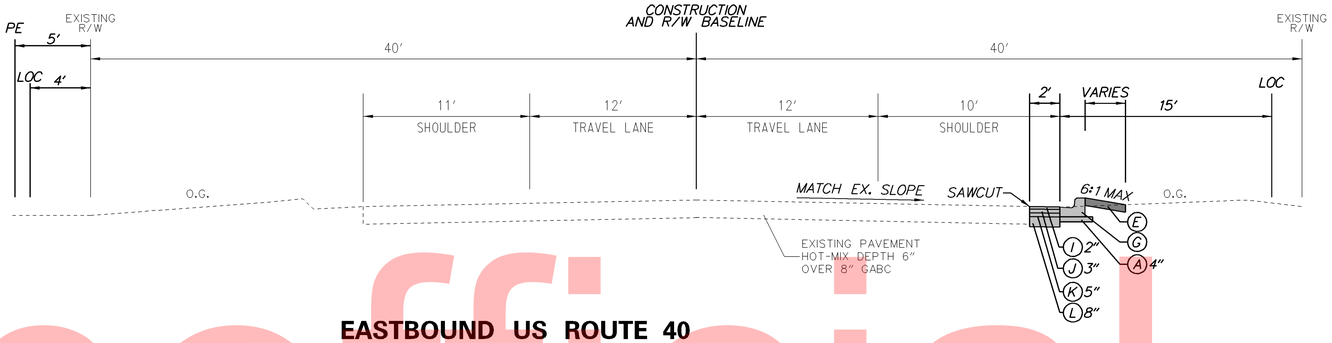
NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO.	N/A
T201300101	DESIGNED BY: BLK	
COUNTY	CHECKED BY: JLF	
NC		

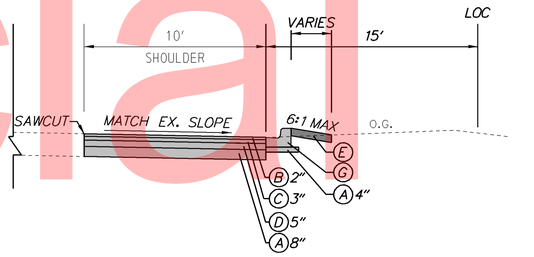
NOTES

SHEET NO.	3
TOTAL SHTS.	20



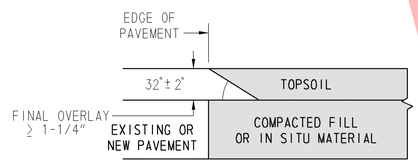
EASTBOUND US ROUTE 40

STATION 115+70 TO STATION 117+00



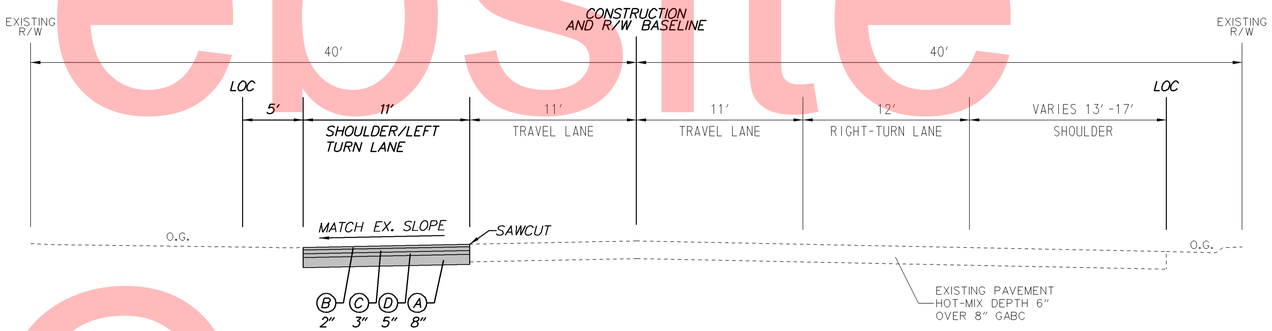
EASTBOUND US ROUTE 40

STATION 114+68 TO STATION 115+70



BITUMINOUS PAVEMENTS AND OVERLAYS
NOT TO SCALE

SAFETY EDGE DETAIL
NOT TO SCALE



EASTBOUND US ROUTE 40

STATION 111+54 TO STATION 114+20

**THE LATERAL OFFSET IS 1.5' FROM THE FACE OF THE CURB. IN AREAS WHERE CURB IS NOT PRESENT, THE LATERAL OFFSET IS 8" FROM THE EDGE OF THE TRAVEL LANE.*

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	3"	8"

LEGEND

- (A) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (B) ITEM 401807 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (CARBONATE STONE)
- (C) ITEM 401816 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22
- (D) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (E) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (F) ITEM 760000 - PAVEMENT-MILLING, HOT-MIX
- (G) ITEM 701022 - INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-8
- (H) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (I) ITEM 401821- WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING
- (J) ITEM 401822 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
- (K) ITEM 401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING
- (L) ITEM 302008 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	HEP NCC, US 40 AT GLASGOW AVENUE	CONTRACT T201300101 / COUNTY NC	BRIDGE NO. N/A / DESIGNED BY: BLK / CHECKED BY: JLF
TYPICAL SECTIONS	SHEET NO. 4 / TOTAL SHTS. 20				

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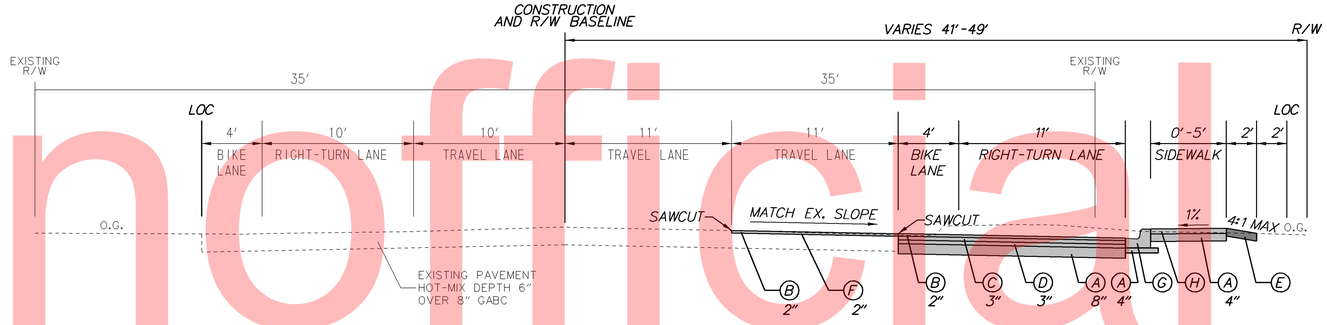
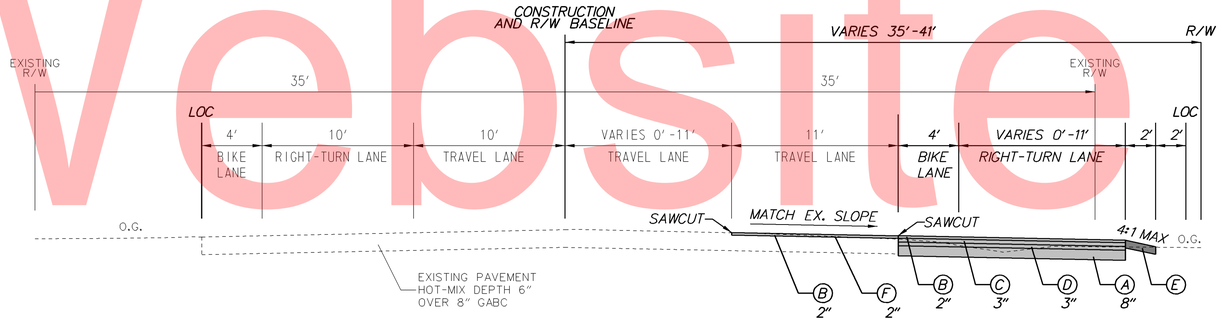


GLASGOW AVENUE
STATION 302+40 TO STATION 303+95



GLASGOW AVENUE
STATION 300+00 TO STATION 302+40

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	3"	8"

*THE LATERAL OFFSET IS 1.5' FROM THE FACE OF THE CURB. IN AREAS WHERE CURB IS NOT PRESENT, THE LATERAL OFFSET IS 8' FROM THE EDGE OF THE TRAVEL LANE.

LEGEND

- (A) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (B) ITEM 401807 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (CARBONATE STONE)
- (C) ITEM 401816 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22
- (D) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (E) ITEM 908004- TOPSOIL, 6" DEPTH
  ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (F) ITEM 760000 - PAVEMENT-MILLING, HOT-MIX
- (G) ITEM 701022 - INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-8
- (H) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (I) ITEM 401821- WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING
- (J) ITEM 401822 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
- (K) ITEM 401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING
- (L) ITEM 302008 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO. N/A
T201300101	DESIGNED BY: BLK
COUNTY	CHECKED BY: JLF
NC	

TYPICAL SECTIONS

SHEET NO.
5
TOTAL SHTS.
20

DATUM REFERENCE:
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

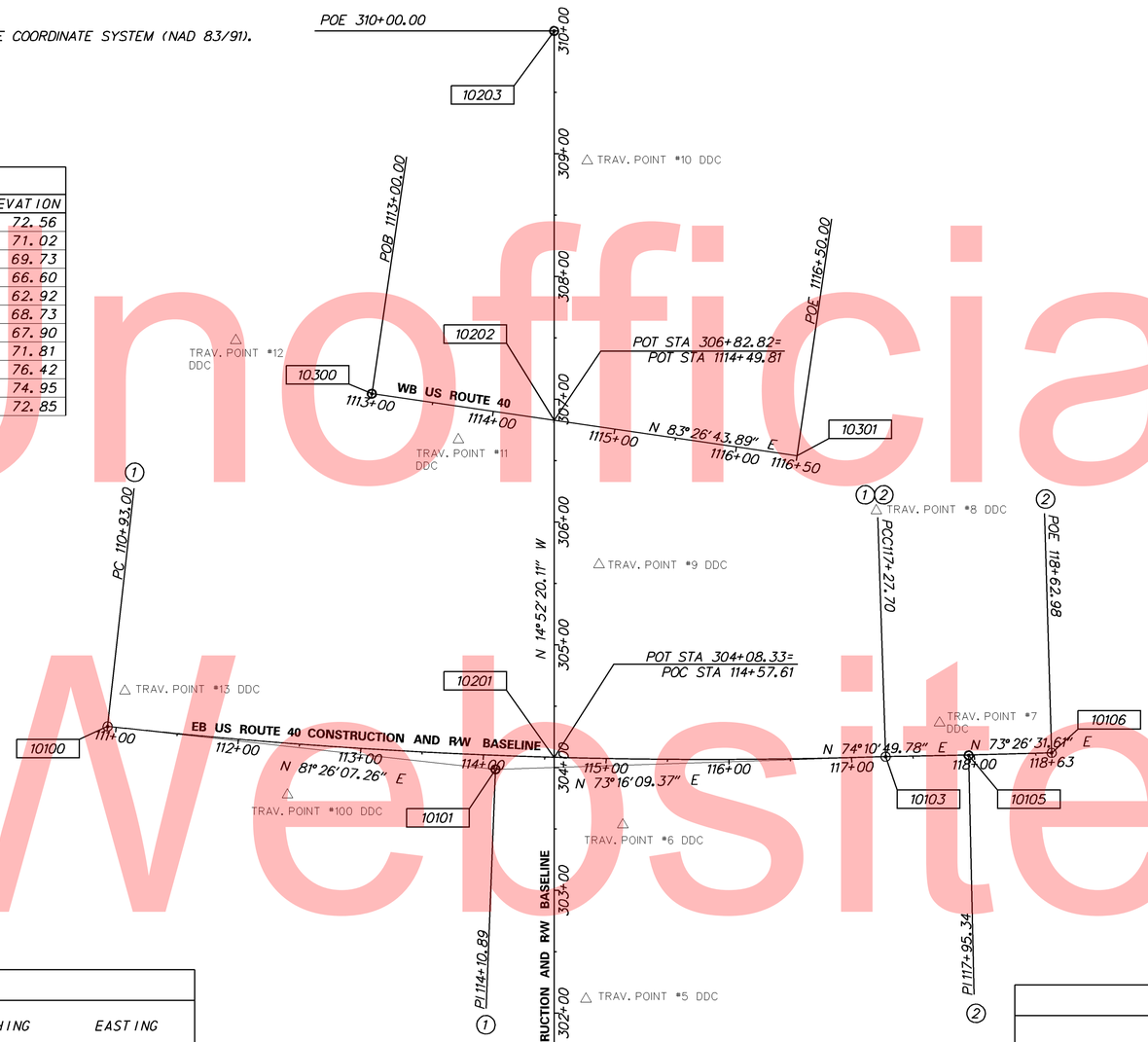
VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

HORIZONTAL / VERTICAL CONTROL DATA

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
4	301+00.01	-32.04	584382.6134	563699.2245	72.56
5	302+11.44	71.02	584505.2311	563726.8003	71.02
6	115+14.55	53.72	584650.1049	563719.3520	69.73
7	117+72.28	-26.64	584796.5324	563947.4030	66.60
8	1117+20.44	34.82	584950.3959	563853.2552	62.92
9	305+65.30	36.66	584849.9476	563646.1959	68.73
10	308+94.13	27.07	585165.2990	563552.5259	67.90
11	1113+75.18	26.80	584918.9537	563509.3342	71.81
12	307+47.87	-259.14	584950.4800	563313.4526	76.42
13	111+03.99	-74.95	584651.4058	563299.4124	74.95
100	112+43.42	72.85	584603.5802	563449.0953	72.85

CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
10200	300+00.00	0	584294.1765	563755.8585
10201	304+08.33	0	584688.8283	563651.0544
10202	306+82.82	0	584954.1217	563580.6028
10203	310+00.00	0	585260.6736	563499.1946
10300	113+00.00	0	584936.9995	563431.5832
10301	116+50.00	0	584976.9513	563779.2956



CIRCULAR CURVE NO.①

	STATION	NORTHING	EASTING
Element: Circular			
PC (10100)	110+93.00	584619.8374	563293.1330
PI (10101)	114+10.89	584667.1790	563607.4765
CC (10102)		589023.4267	562629.9315
PCC (10103)	117+27.70	584758.6908	563911.9078
Radius:	4453.25		
Delta:	8°09'57.9148" Left		
Degree of Curvature(Arc):	1°17'11.7814"		
Length:	634.70		
Tangent:	317.89		
Chord:	634.16		
Middle Ordinate:	11.30		
External:	11.33		
Tangent Direction:	N 81°26'07.2602" E		
Radial Direction:	S 8°33'52.7398" E		
Chord Direction:	N 77°21'08.3134" E		
Radial Direction:	S 16°43'50.6546" E		
Tangent Direction:	N 73°16'09.3754" E		

CIRCULAR CURVE NO.②

	STATION	NORTHING	EASTING
Element: Circular			
PCC (10103)	117+27.70	584758.6908	563911.9078
PI (10105)	117+95.34	584777.1293	563976.9834
CC (10104)		594858.6006	561050.2075
PT (10106)	118+62.98	584796.4062	564041.8209
Radius:	10497.50		
Delta:	0°44'18.0689" Left		
Degree of Curvature(Arc):	0°32'44.8946"		
Length:	135.28		
Tangent:	67.64		
Chord:	135.28		
Middle Ordinate:	0.22		
External:	0.22		
Tangent Direction:	N 74°10'49.7827" E		
Radial Direction:	S 15°49'10.2173" E		
Chord Direction:	N 73°48'40.6979" E		
Radial Direction:	S 16°33'28.2862" E		
Tangent Direction:	N 73°26'31.6138" E		

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

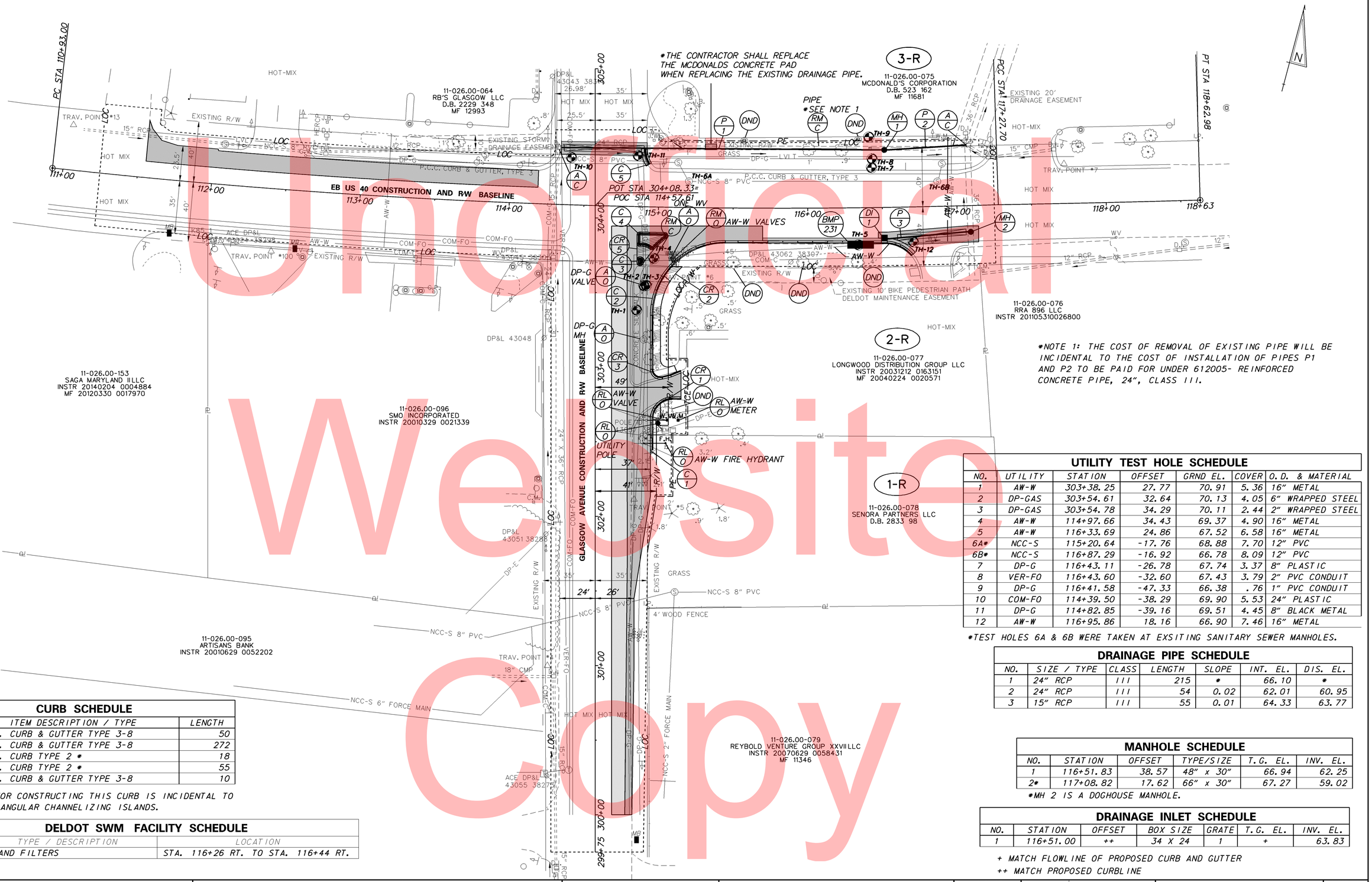
SCALE 0 60 120 180 FEET

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO.	N/A
T201300101	DESIGNED BY: BLK	
COUNTY	CHECKED BY: JLF	
NC		

HORIZONTAL AND VERTICAL CONTROL

SHEET NO. 6
TOTAL SHTS. 20



*NOTE 1: THE COST OF REMOVAL OF EXISTING PIPE WILL BE INCIDENTAL TO THE COST OF INSTALLATION OF PIPES P1 AND P2 TO BE PAID FOR UNDER 612005- REINFORCED CONCRETE PIPE, 24", CLASS III.

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
1	AW-W	303+38.25	27.77	70.91	5.36	16" METAL
2	DP-GAS	303+54.61	32.64	70.13	4.05	6" WRAPPED STEEL
3	DP-GAS	303+54.78	34.29	70.11	2.44	2" WRAPPED STEEL
4	AW-W	114+97.66	34.43	69.37	4.90	16" METAL
5	AW-W	116+33.69	24.86	67.52	6.58	16" METAL
6A*	NCC-S	115+20.64	-17.76	68.88	7.70	12" PVC
6B*	NCC-S	116+87.29	-16.92	66.78	8.09	12" PVC
7	DP-G	116+43.11	-26.78	67.74	3.37	8" PLASTIC
8	VER-FO	116+43.60	-32.60	67.43	3.79	2" PVC CONDUIT
9	DP-G	116+41.58	-47.33	66.38	.76	1" PVC CONDUIT
10	COM-FO	114+39.50	-38.29	69.90	5.53	24" PLASTIC
11	DP-G	114+82.85	-39.16	69.51	4.45	8" BLACK METAL
12	AW-W	116+95.86	18.16	66.90	7.46	16" METAL

*TEST HOLES 6A & 6B WERE TAKEN AT EXSITING SANITARY SEWER MANHOLES.

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
1	24" RCP	III	215	*	66.10	*
2	24" RCP	III	54	0.02	62.01	60.95
3	15" RCP	III	55	0.01	64.33	63.77

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P.C.C. CURB & GUTTER TYPE 3-8	50
2	P.C.C. CURB & GUTTER TYPE 3-8	272
3	P.C.C. CURB TYPE 2 *	18
4	P.C.C. CURB TYPE 2 *	55
5	P.C.C. CURB & GUTTER TYPE 3-8	10

*THE COST FOR CONSTRUCTING THIS CURB IS INCIDENTAL TO 705530- TRIANGULAR CHANNELIZING ISLANDS.

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
231	2 SAND FILTERS	STA. 116+26 RT. TO STA. 116+44 RT.

MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INV. EL.
1	116+51.83	38.57	48" x 30"	66.94	62.25
2*	117+08.82	17.62	66" x 30"	67.27	59.02

*MH 2 IS A DOGHOUSE MANHOLE.

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
1	116+51.00	++	34 X 24	1	+	63.83

+ MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
++ MATCH PROPOSED CURBLINE

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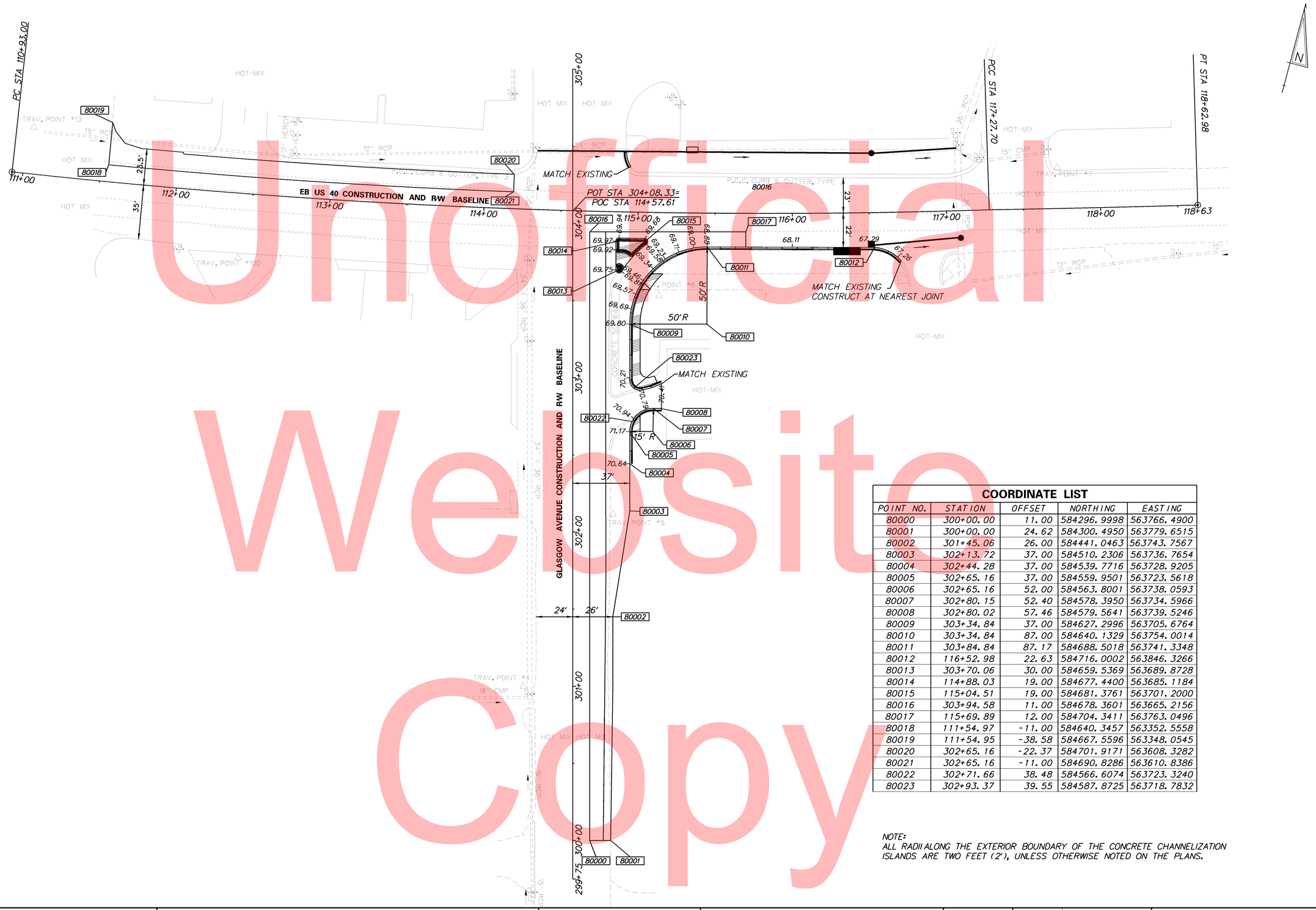
DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO. N/A	CONSTRUCTION PLAN	SHEET NO.
T201300101	DESIGNED BY: BLK		7
COUNTY NC	CHECKED BY: JLF		TOTAL SHTS. 20



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COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80000	300+00.00	11.00	584296.9998	563766.4900
80001	300+00.00	24.62	584300.4950	563779.6515
80002	301+45.06	26.00	584441.0463	563743.7567
80003	302+13.72	37.00	584510.2306	563736.7654
80004	302+44.28	37.00	584539.7716	563728.9205
80005	302+65.16	37.00	584559.9501	563723.5618
80006	302+65.16	52.00	584563.8001	563738.0593
80007	302+80.15	52.40	584578.3950	563734.5966
80008	302+80.02	57.46	584579.5641	563739.5246
80009	303+34.84	37.00	584627.2996	563705.6764
80010	303+34.84	87.00	584640.1329	563754.0014
80011	303+84.84	87.17	584688.5018	563741.3348
80012	116+52.98	22.63	584716.0002	563846.3266
80013	303+70.06	30.00	584659.5369	563689.8728
80014	114+88.03	19.00	584677.4400	563685.1184
80015	115+04.51	19.00	584681.3761	563701.2000
80016	303+94.58	11.00	584678.3601	563665.2156
80017	115+69.89	12.00	584704.3411	563763.0496
80018	111+54.97	-11.00	584640.3457	563352.5558
80019	111+54.95	-38.58	584667.5596	563348.0545
80020	302+65.16	-22.37	584701.9171	563608.3282
80021	302+65.16	-11.00	584690.8286	563610.8386
80022	302+71.66	38.48	584566.6074	563723.3240
80023	302+93.37	39.55	584587.8725	563718.7832

NOTE:
ALL RADII ALONG THE EXTERIOR BOUNDARY OF THE CONCRETE CHANNELIZATION ISLANDS ARE TWO FEET (2'), UNLESS OTHERWISE NOTED ON THE PLANS.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

HEP NCC, US 40 AT
GLASGOW AVENUE

CONTRACT	BRIDGE NO.	N/A
T201300101	DESIGNED BY: BLK	
COUNTY	CHECKED BY: JLF	
NC		

GRADES AND
GEOMETRICS

SHEET NO. 8
TOTAL SHTS. 20

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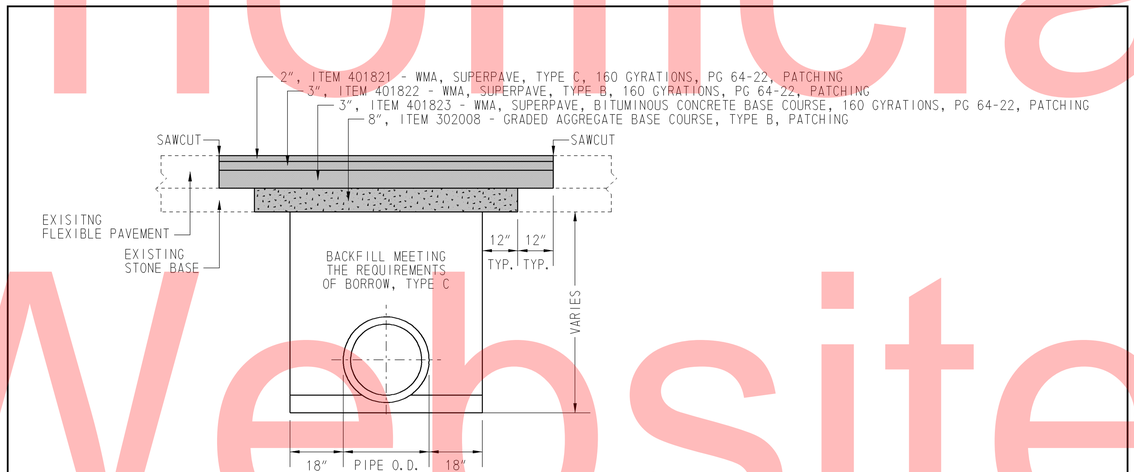

NOTES:
1) SEE STANDARD CONSTRUCTION DETAILS FOR PIPE BEDDING REQUIREMENTS.

2) THIS DETAIL SHOWS THE MINIMUM PAVEMENT PATCH REQUIREMENTS. IF THE EXISTING ROADWAY HAS A HEAVIER CROSS SECTION, THE PROPOSED PAVEMENT PATCH WILL MATCH THE HEAVIER CROSS SECTION, OR AS DIRECTED BY THE ENGINEER.

FLEXIBLE PAVEMENT PATCH

NOT TO SCALE

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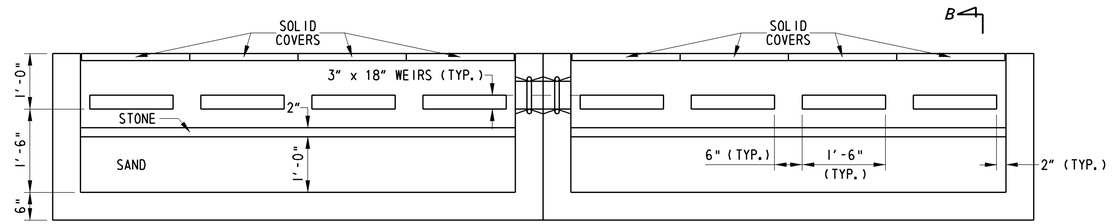
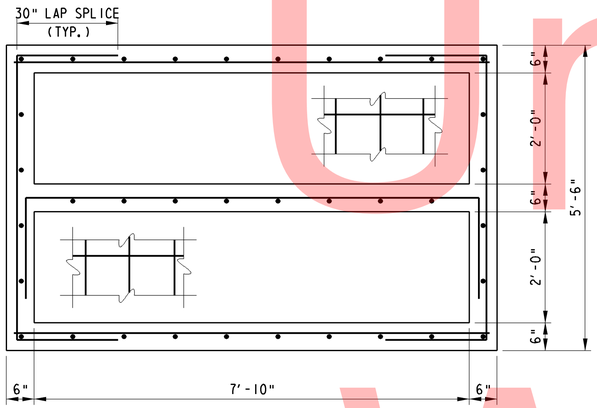
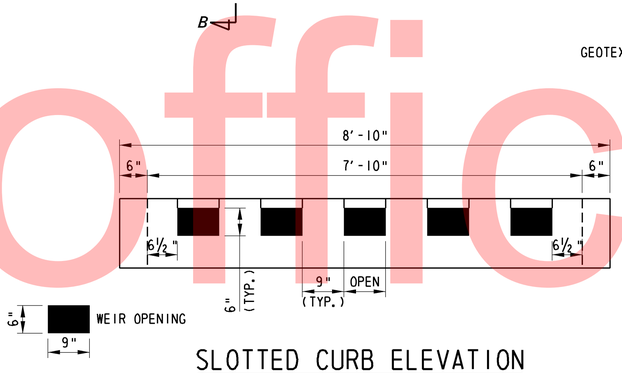
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	**NOT TO SCALE**	**HEP NCC, US 40 AT GLASGOW AVENUE**	CONTRACT T201300101	BRIDGE NO. N/A	**CONSTRUCTION DETAILS**	SHEET NO. 9
				COUNTY NC	DESIGNED BY: BLK		TOTAL SHTS. 20
					CHECKED BY: JLF		



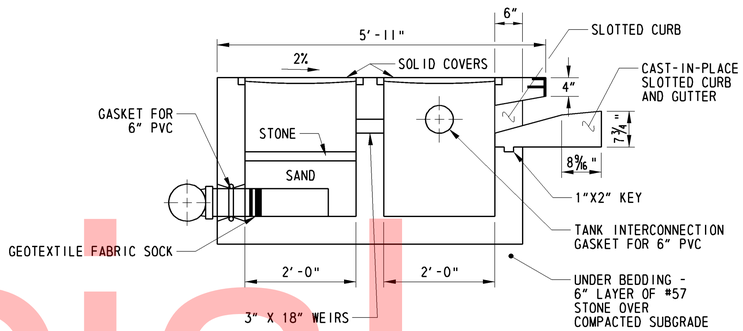
SECTION A-A



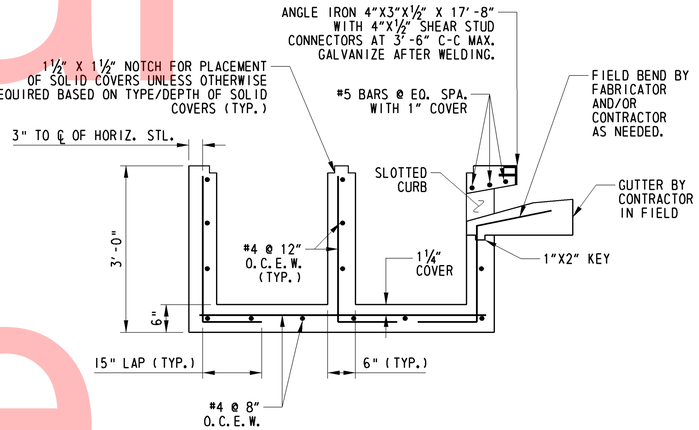
TYPICAL SAND FILTER PLAN (REINFORCEMENT)



SLOTTED CURB ELEVATION

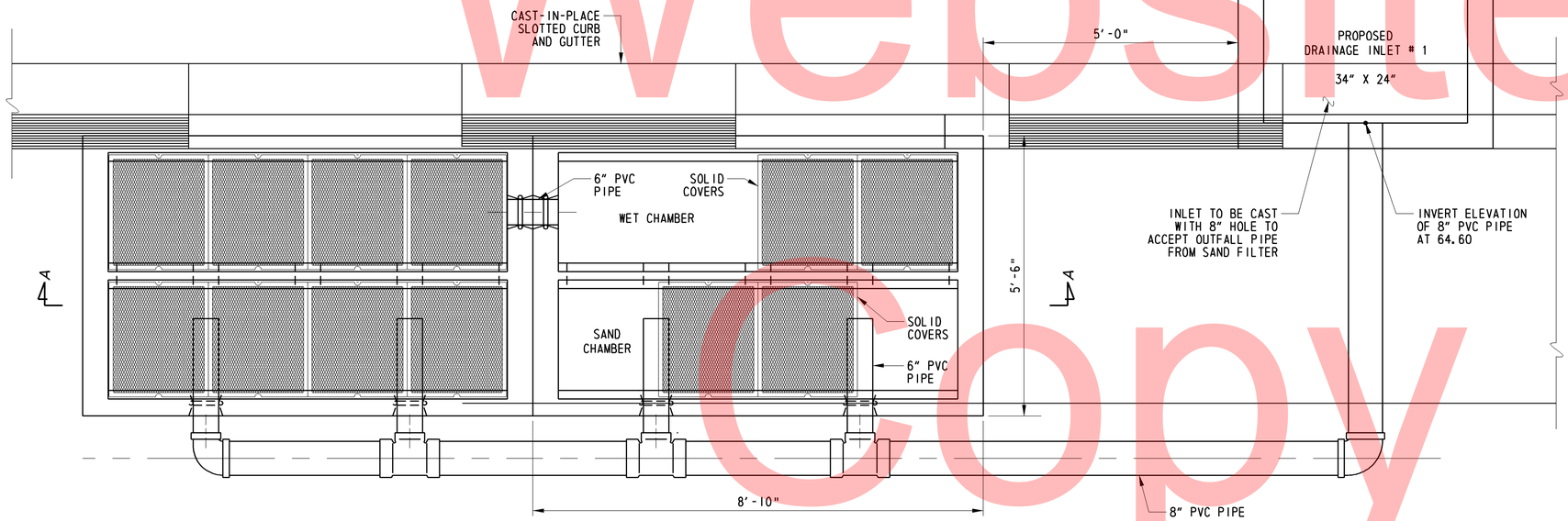


SECTION B-B



SECTION B-B (REINFORCEMENT)

NOTE: SLOTTED CURB NOT REINFORCED.



SAND FILTER PLAN

NOTES:
1. PRECAST PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM OF F'c = 5.0 KSI AT 28 DAYS.
   - MIX REQUIREMENTS SHALL CONFORM TO SECTION 812 OF THE SPECIFICATIONS.
   - ALL EXPOSED EDGES SHALL BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.
   - THE VERTICAL REINFORCEMENT TO BE FIELD BEND AS SHOWN UNDER 'SECTION B-B (REINFORCEMENT)' SHALL HAVE SAME LENGTH AS VERTICAL REINFORCEMENT FROM TWO OTHER WALLS. THE BARS SHOULD BE SUFFICIENTLY BEND BY THE FABRICATOR AS NOT TO INTERFERE WITH PLACEMENT OF TOP PORTION OF THE OPENING. THE CONTRACTOR MAY BEND THE REINFORCEMENT FURTHER AS NEEDED IN THE FIELD.
2. REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60. ALL REINFORCING STEEL SHALL HAVE A CLEAR COVER OF 2" MINIMUM UNLESS OTHERWISE SPECIFIED ON PLANS. ALL REINFORCING STEEL SHALL BE PROTECTED WITH EPOXY COATED REINFORCING CONFORMING TO AASHTO M284 (ASTM D3963).
   - ALL FIELD BENDING AND FIELD CUTTING MUST BE APPROVED BY THE ENGINEER. PAYMENT INCIDENTAL TO 708538 - SAND FILTER.
3. REFER TO SPECIAL PROVISIONS FOR 708538 - SAND FILTERS FOR MORE INFORMATION.

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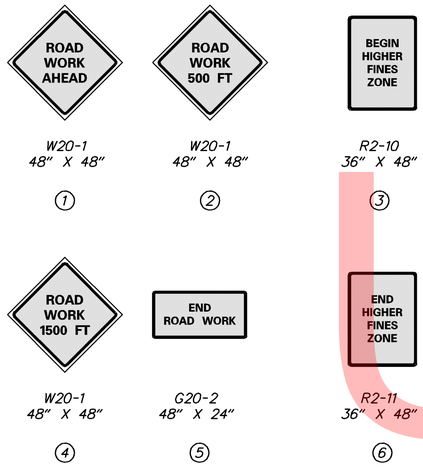
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	HEP NCC, US 40 AT GLASGOW AVENUE	CONTRACT T201300101	BRIDGE NO. N/A	STORMWATER MANAGEMENT PLAN	SHEET NO. 10
				COUNTY NC	DESIGNED BY: BLK		TOTAL SHTS. 20
					CHECKED BY: JLF		

WARNING SIGN LEGEND



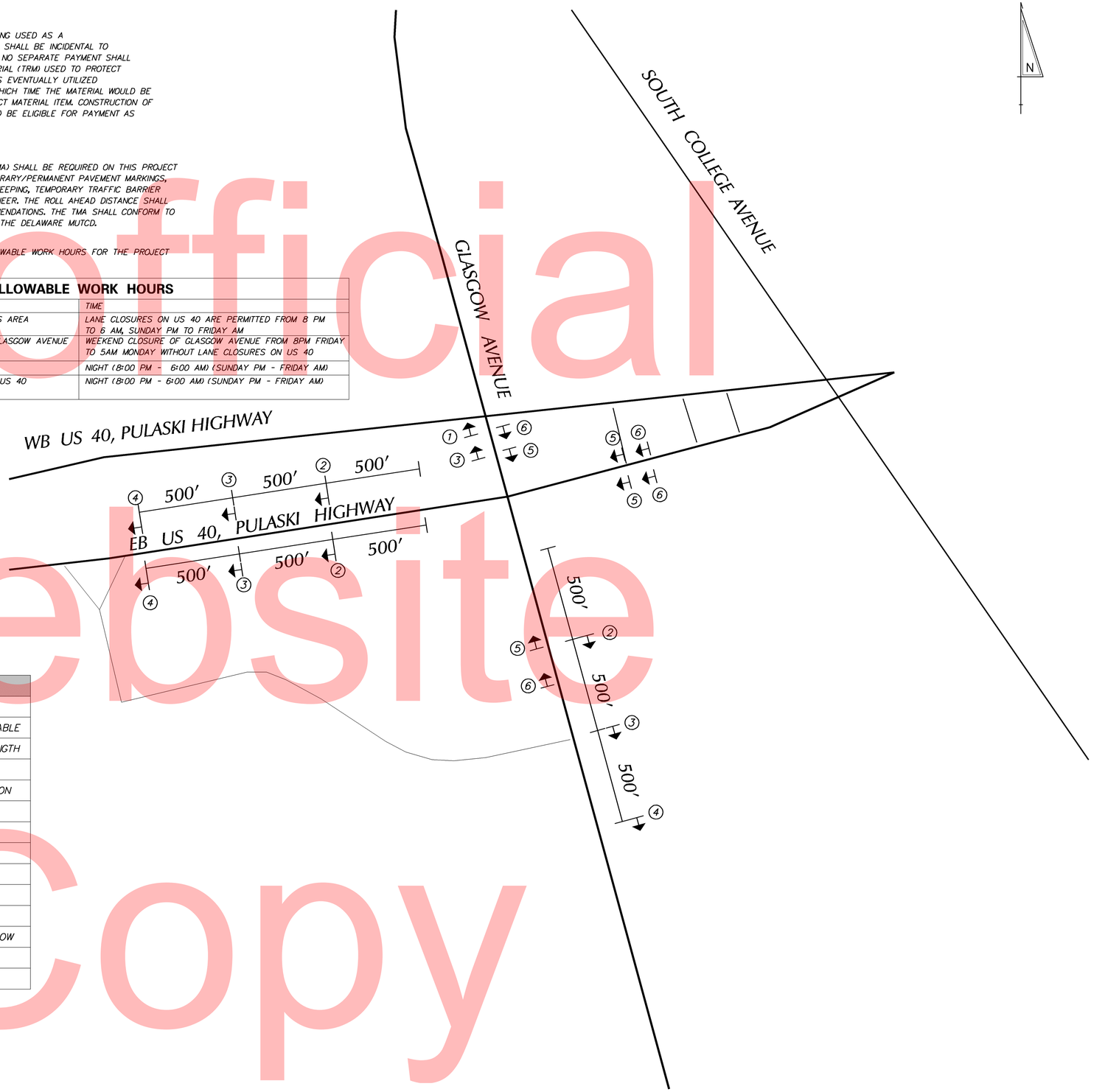
GENERAL NOTES:

1. GRADING AND MAINTAINING TRM THAT IS BEING USED AS A TRAVELWAY, DRIVEWAY, ACCESS RAMP, ETC. SHALL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC. NO SEPARATE PAYMENT SHALL BE MADE FOR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM. CONSTRUCTION OF A PLANNED RUNAROUND OR DETOUR WOULD BE ELIGIBLE FOR PAYMENT AS SPECIFIED IN THE CONTRACT.

2. 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.

3. THE FOLLOWING CHART INDICATES THE ALLOWABLE WORK HOURS FOR THE PROJECT BROKEN DOWN BY PHASE:

ALLOWABLE WORK HOURS	
PHASE DESCRIPTION	TIME
PHASE 1 - PIPE REPLACEMENT IN GRASS AREA	LANE CLOSURES ON US 40 ARE PERMITTED FROM 8 PM TO 6 AM, SUNDAY PM TO FRIDAY AM
PHASE 1 - DETOUR FOR CLOSURE OF GLASGOW AVENUE	WEEKEND CLOSURE OF GLASGOW AVENUE FROM 8PM FRIDAY TO 5AM MONDAY WITHOUT LANE CLOSURES ON US 40
PHASE 2 - LEFT-TURN LANE	NIGHT (8:00 PM - 6:00 AM) (SUNDAY PM - FRIDAY AM)
PHASE 3 - GLASGOW AVENUE AND EB US 40 REQUIRING LANE CLOSURES	NIGHT (8:00 PM - 6:00 AM) (SUNDAY PM - FRIDAY AM)



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

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

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

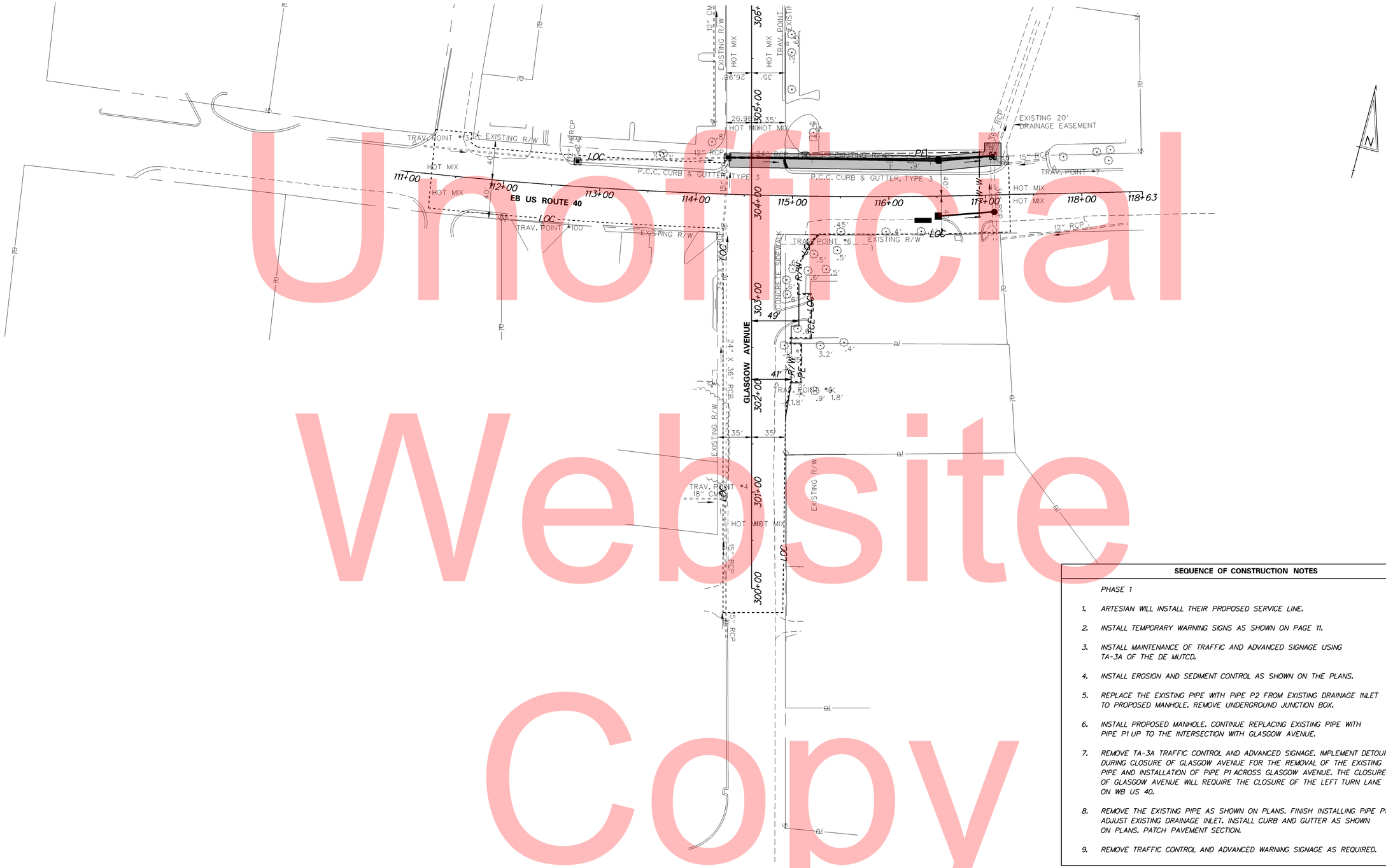
NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT T201300101 | COUNTY NC | BRIDGE NO. N/A | DESIGNED BY: BLK | CHECKED BY: JLF

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

SHEET NO. 11 | TOTAL SHTS. 20



SEQUENCE OF CONSTRUCTION NOTES

PHASE 1

1. *ARTESIAN WILL INSTALL THEIR PROPOSED SERVICE LINE.*
2. *INSTALL TEMPORARY WARNING SIGNS AS SHOWN ON PAGE 11.*
3. *INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE USING TA-3A OF THE DE MUTCD.*
4. *INSTALL EROSION AND SEDIMENT CONTROL AS SHOWN ON THE PLANS.*
5. *REPLACE THE EXISTING PIPE WITH PIPE P2 FROM EXISTING DRAINAGE INLET TO PROPOSED MANHOLE. REMOVE UNDERGROUND JUNCTION BOX.*
6. *INSTALL PROPOSED MANHOLE. CONTINUE REPLACING EXISTING PIPE WITH PIPE P1 UP TO THE INTERSECTION WITH GLASGOW AVENUE.*
7. *REMOVE TA-3A TRAFFIC CONTROL AND ADVANCED SIGNAGE. IMPLEMENT DETOUR DURING CLOSURE OF GLASGOW AVENUE FOR THE REMOVAL OF THE EXISTING PIPE AND INSTALLATION OF PIPE P1 ACROSS GLASGOW AVENUE. THE CLOSURE OF GLASGOW AVENUE WILL REQUIRE THE CLOSURE OF THE LEFT TURN LANE ON WB US 40.*
8. *REMOVE THE EXISTING PIPE AS SHOWN ON PLANS. FINISH INSTALLING PIPE P1. ADJUST EXISTING DRAINAGE INLET. INSTALL CURB AND GUTTER AS SHOWN ON PLANS. PATCH PAVEMENT SECTION.*
9. *REMOVE TRAFFIC CONTROL AND ADVANCED WARNING SIGNAGE AS REQUIRED.*

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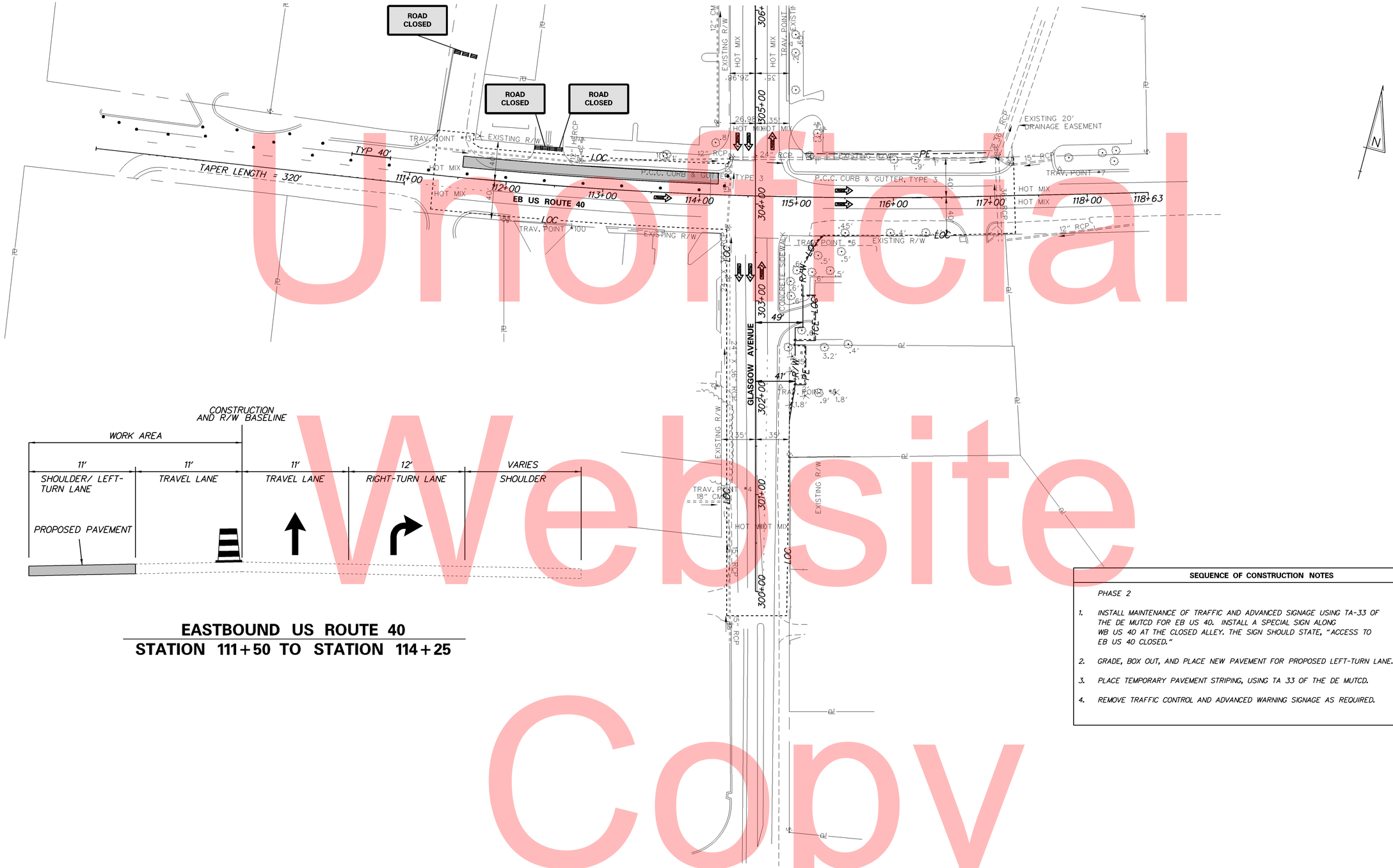
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	HEP NCC, US 40 AT GLASGOW AVENUE	CONTRACT T201300101	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1	SHEET NO. 12
				COUNTY NC	DESIGNED BY: BLK		TOTAL SHTS. 20
					CHECKED BY: JLF		



CONSTRUCTION AND R/W BASELINE

EASTBOUND US ROUTE 40
STATION 111+50 TO STATION 114+25

SEQUENCE OF CONSTRUCTION NOTES

PHASE 2

1. *INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE USING TA-33 OF THE DE MUTCD FOR EB US 40. INSTALL A SPECIAL SIGN ALONG WB US 40 AT THE CLOSED ALLEY. THE SIGN SHOULD STATE, "ACCESS TO EB US 40 CLOSED."*
2. *GRADE, BOX OUT, AND PLACE NEW PAVEMENT FOR PROPOSED LEFT-TURN LANE.*
3. *PLACE TEMPORARY PAVEMENT STRIPING, USING TA 33 OF THE DE MUTCD.*
4. *REMOVE TRAFFIC CONTROL AND ADVANCED WARNING SIGNAGE AS REQUIRED.*

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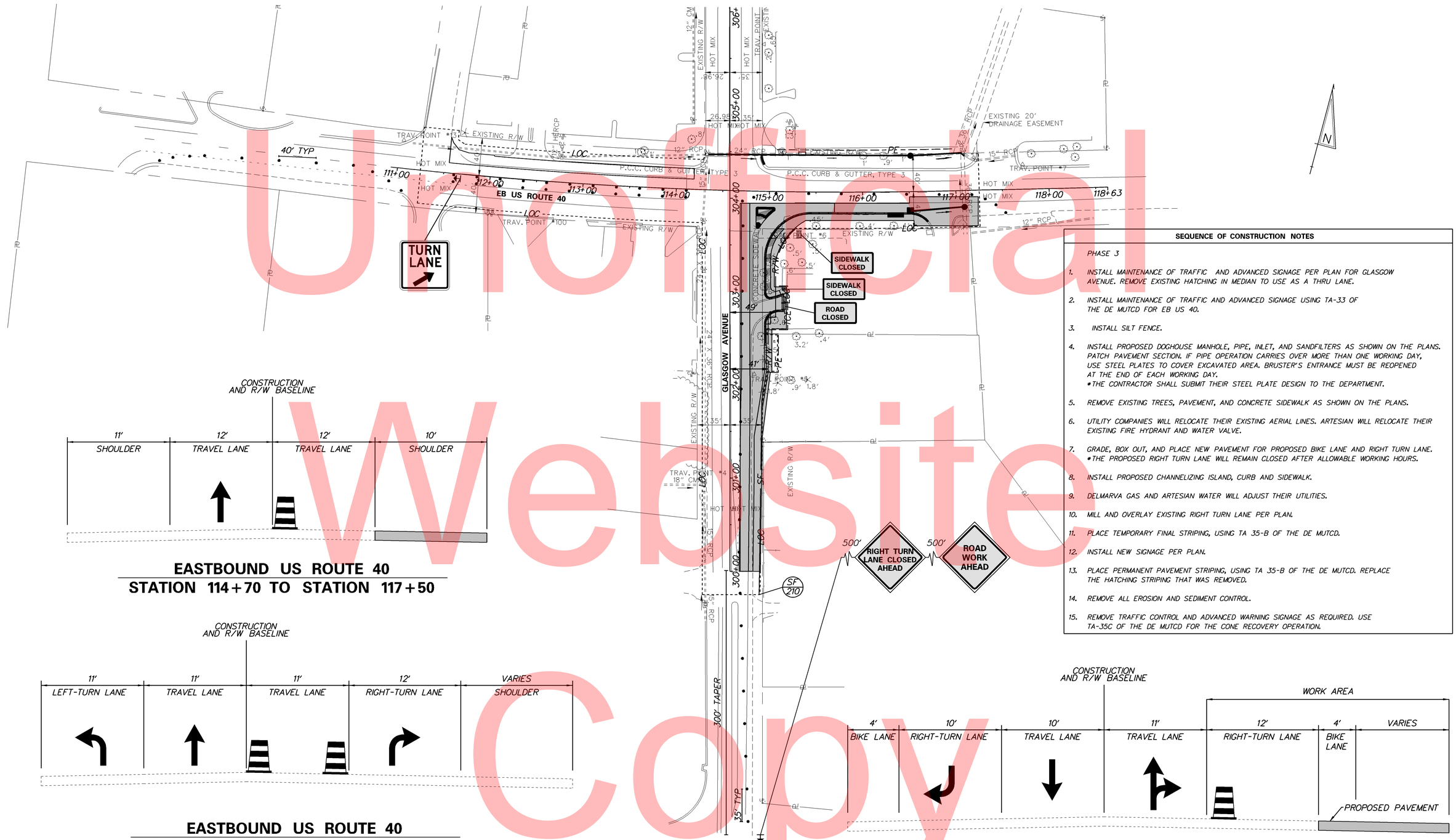
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	**HEP NCC, US 40 AT GLASGOW AVENUE**	CONTRACT T201300101	BRIDGE NO. N/A	**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2**
				COUNTY NC	DESIGNED BY: BLK	SHEET NO. 13
					CHECKED BY: JLF	TOTAL SHTS. 20



CONSTRUCTION AND R/W BASELINE

11′	12′	12′	10′
SHOULDER	TRAVEL LANE	TRAVEL LANE	SHOULDER

EASTBOUND US ROUTE 40
STATION 114+70 TO STATION 117+50

CONSTRUCTION AND R/W BASELINE

11′	11′	11′	12′	VARIES
LEFT-TURN LANE	TRAVEL LANE	TRAVEL LANE	RIGHT-TURN LANE	SHOULDER

EASTBOUND US ROUTE 40
STATION 111+00 TO STATION 114+70

CONSTRUCTION AND R/W BASELINE

WORK AREA

4′	10′	10′	11′	12′	4′	VARIES
BIKE LANE	RIGHT-TURN LANE	TRAVEL LANE	TRAVEL LANE	RIGHT-TURN LANE	BIKE LANE	PROPOSED PAVEMENT

GLASGOW AVENUE
STATION 300+00 TO STATION 304+00

SEQUENCE OF CONSTRUCTION NOTES

PHASE 3

1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE PER PLAN FOR GLASGOW AVENUE. REMOVE EXISTING HATCHING IN MEDIAN TO USE AS A THRU LANE.
2. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE USING TA-33 OF THE DE MUTCD FOR EB US 40.
3. INSTALL SILT FENCE.
4. INSTALL PROPOSED DOGHOUSE MANHOLE, PIPE, INLET, AND SANDFILTERS AS SHOWN ON THE PLANS. PATCH PAVEMENT SECTION. IF PIPE OPERATION CARRIES OVER MORE THAN ONE WORKING DAY, USE STEEL PLATES TO COVER EXCAVATED AREA. BRUSTER'S ENTRANCE MUST BE REOPENED AT THE END OF EACH WORKING DAY.
   *THE CONTRACTOR SHALL SUBMIT THEIR STEEL PLATE DESIGN TO THE DEPARTMENT.
5. REMOVE EXISTING TREES, PAVEMENT, AND CONCRETE SIDEWALK AS SHOWN ON THE PLANS.
6. UTILITY COMPANIES WILL RELOCATE THEIR EXISTING AERIAL LINES. ARTESIAN WILL RELOCATE THEIR EXISTING FIRE HYDRANT AND WATER VALVE.
7. GRADE, BOX OUT, AND PLACE NEW PAVEMENT FOR PROPOSED BIKE LANE AND RIGHT TURN LANE. *THE PROPOSED RIGHT TURN LANE WILL REMAIN CLOSED AFTER ALLOWABLE WORKING HOURS.
8. INSTALL PROPOSED CHANNELIZING ISLAND, CURB AND SIDEWALK.
9. DELMARVA GAS AND ARTESIAN WATER WILL ADJUST THEIR UTILITIES.
10. MILL AND OVERLAY EXISTING RIGHT TURN LANE PER PLAN.
11. PLACE TEMPORARY FINAL STRIPING, USING TA 35-B OF THE DE MUTCD.
12. INSTALL NEW SIGNAGE PER PLAN.
13. PLACE PERMANENT PAVEMENT STRIPING, USING TA 35-B OF THE DE MUTCD. REPLACE THE HATCHING STRIPING THAT WAS REMOVED.
14. REMOVE ALL EROSION AND SEDIMENT CONTROL.
15. REMOVE TRAFFIC CONTROL AND ADVANCED WARNING SIGNAGE AS REQUIRED. USE TA-35C OF THE DE MUTCD FOR THE CONE RECOVERY OPERATION.

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	HEP NCC, US 40 AT GLASGOW AVENUE	CONTRACT T201300101	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3	SHEET NO. 14
				COUNTY NC	DESIGNED BY: BLK		TOTAL SHTS. 20
					CHECKED BY: JLF		

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PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

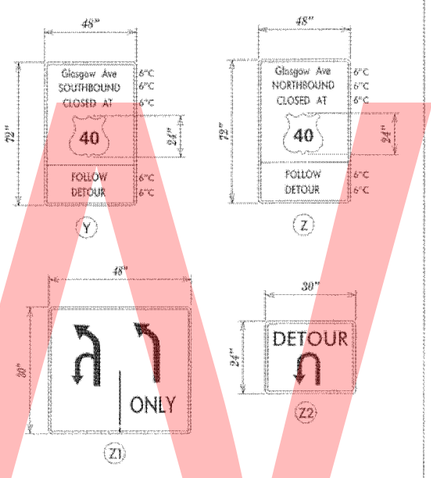
GLASGOW AVE AT US 40	TO CLOSE STARTING XX/XX/XX

DURING DETOUR
(DISPLAY FOR UP TO 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-1

GLASGOW AVE CLOSED	FOLLOW DETOUR

SPECIAL SIGNS



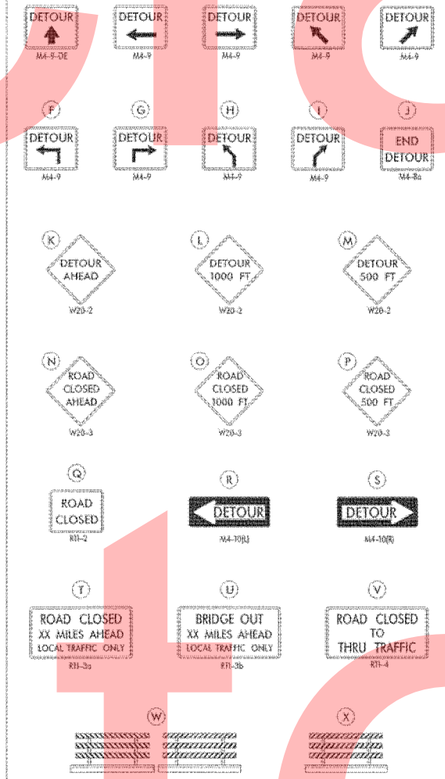
*D/G RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND

40 – WHITE BACKGROUND; BLACK LEGEND

SPECIAL NOTES

1. SIGN (Z1) SHALL BE MOUNTED ON THE LEFT AND RIGHT SIDE OF THE LEFT TURN LANES ON EB US 40 AT DE 896.
2. SIGN (Z2) SHALL BE MOUNTED ON THE FAR LEFT SIDE OF THE LEFT MOST TURN LANE ON EB US 40 AT DE 896.
3. NORTHBOUND AND SOUTHBOUND THRU LANES ON GLASGOW AVE AT US 40 SHALL BE CLOSED, IN COMPLIANCE WITH DE-MUTCD STANDARDS, USING APPROVED TEMPORARY TRAFFIC CONTROL DEVICES.
4. WB US 40 LEFT TURN LANE TO SB GLASGOW AVE, WEST OF MCDONALD'S ENTRANCE, SHALL BE CLOSED USING APPROVED TEMPORARY TRAFFIC CONTROL DEVICES.

LEGEND



GENERAL NOTES

1. ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD) WILL PREVAIL.
7. SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
8. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
9. "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
10. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED [signature] DATE: 12-17-13	RECOMMENDED [signature] DATE: 12/31/13	RECOMMENDED DATE:	APPROVED CHIEF SAFETY OFFICER [signature] DATE: 12-31-13	APPROVED TRAFFIC ENGINEER [signature] DATE: 12/31/13

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

HEP US 40
AT GLASGOW AVE

CONTRACT T201300101	ROAD NO. N387A	VEHICULAR DETOUR PLAN GLASGOW AVE AT US 40	SHEET NO. 15
COUNTY NEW CASTLE	DESIGNED BY: MER		TOTAL SHTS. 20
	CHECKED BY: ASW		

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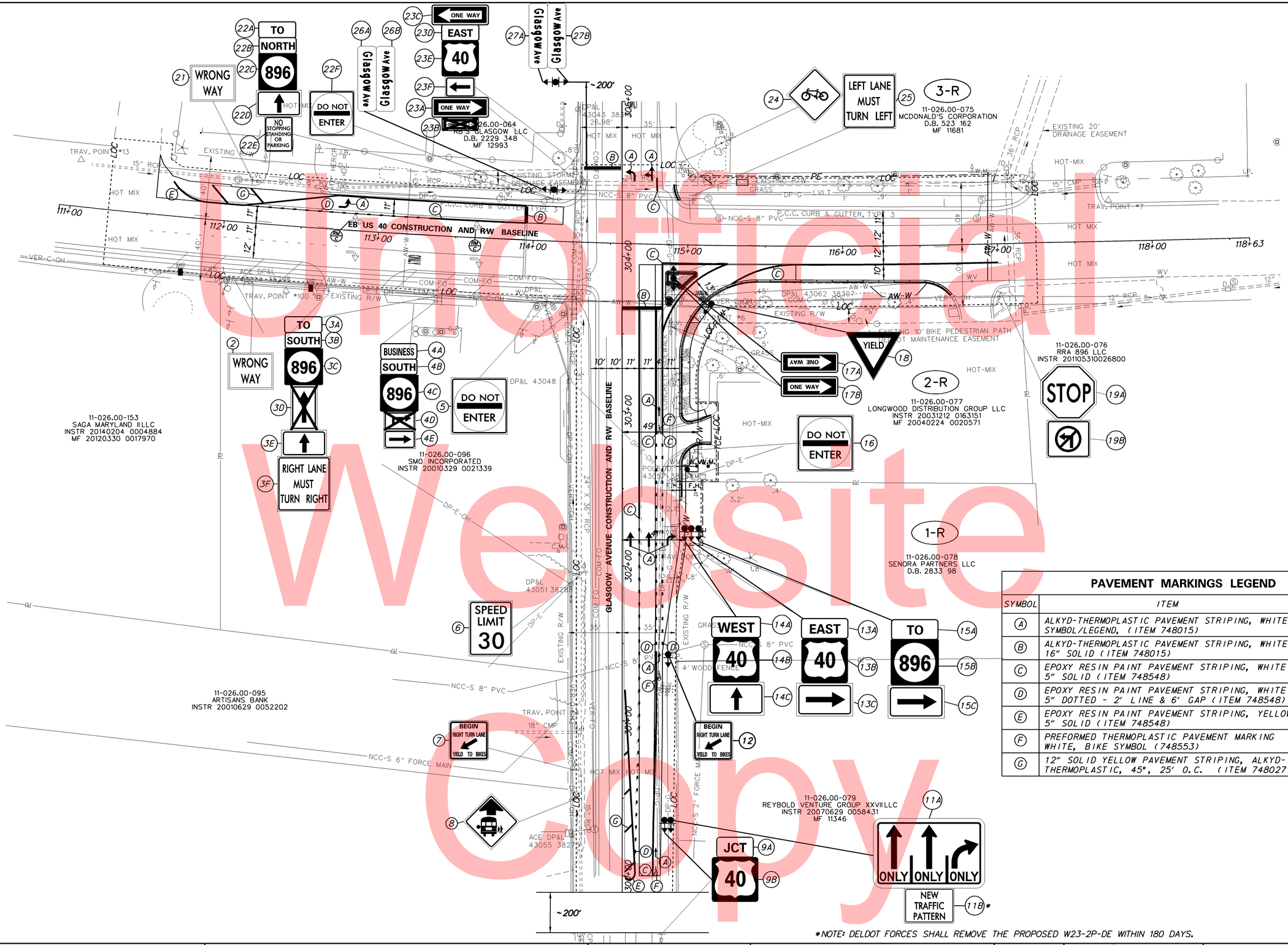

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	144 SF
(B)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	100 SF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	818 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	154 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	615 LF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (748553)	3 EACH
(G)	12" SOLID YELLOW PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 45°, 25' O.C. (ITEM 748027)	119 LF

*NOTE: DELDOT FORCES SHALL REMOVE THE PROPOSED W23-2P-DE WITHIN 180 DAYS.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

HEP NCC, US 40 AT
GLASGOW AVENUE

CONTRACT	BRIDGE NO. N/A
T201300101	DESIGNED BY: BLK
COUNTY	CHECKED BY: JLF
NC	

SIGNING, STRIPING
AND CONDUIT PLAN

SHEET NO.
16
TOTAL SHTS.
20

SIGN SCHEDULE

#	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DESCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST (EACH)			ITEM 749690 MULTI POST (POST NEEDED)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
										SIGN DISPOSTION	REMOVE	INSTALL	SIGN DISPOSTION	REMOVE	INSTALL					
	16	2			WRONG WAY	2				REMAIN							0	0	0	
	16	3A			TO	3				REMAIN							0	0	0	
	16	3B			SOUTH	3				REMAIN							0	0	0	
	16	3C			STATE ROUTE 896	3				REMAIN							0	0	0	
	16	3D			DIRECTIONAL ARROW AUXILIARY	3				REMOVE	1						0	0	0	
1619	16	3E	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	3	21"	15"	2.2	NEW		1				SOIL	0	0	0	
	16	3F			RIGHT LANE MUST TURN RIGHT	3				REMAIN							0	0	0	
	16	4A			BUSINESS	4				REMAIN							0	0	0	
	16	4B			SOUTH	4				REMAIN							0	0	0	
	16	4C			STATE ROUTE 896	4				REMAIN							0	0	0	
	16	4D			ADVANCE TURN ARROW AUXILIARY (RIGHT)	4				REMOVE	1						0	0	0	
1604	16	4E	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	4	21"	15"	2.2	NEW		1				SOIL	0	0	0	
	16	5			DO NOT ENTER	5				REMAIN							0	0	0	
	16	6			SPEED LIMIT (30 MPH)	6				REMAIN							0	0	0	
	16	7			BEGIN RIGHT TURN LANE YIELD TO BIKES	7				REMAIN							0	0	0	
	16	8			BUS STOP AHEAD (SYMBOL)	8				REMAIN							0	0	0	
	16	9A			JUNCTION	9				REPOSITION	1	1				SOIL	0	0	0	
	16	9B			US ROUTE 40	9				REPOSITION	1	1				SOIL	0	0	0	
	16	11A	R3-8-CUSTOM	1	INTERSECTION LANE CONTROL (AHEAD, AHEAD, RIGHT)	11	48"	30"	10				NEW		10	SOIL	2	0	0	
1459	16	11B	W23-2P-DE(30)	1	NEW TRAFFIC PATTERN (plaque) - 30x24	11	30"	24"	5	NEW		1				SOIL		0	0	
304	16	12	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	12	36"	30"	7.5	NEW		1				SOIL	1	0	0	
	16	13A			EAST	13				REPOSITION	1	1				SOIL	0	0	0	
	16	13B			US ROUTE 40	13				REPOSITION	1	1				SOIL	0	0	0	
	16	13C			DIRECTIONAL ARROW AUXILIARY (RIGHT)	13				REPOSITION	1	1				SOIL	0	0	0	
	16	14A			WEST	14				REPOSITION	1	1				SOIL	0	0	0	
	16	14B			US ROUTE 40	14				REPOSITION	1	1				SOIL	0	0	0	
	16	14C			DIRECTIONAL ARROW AUXILIARY (UP)	14				REPOSITION	1	1				SOIL	0	0	0	
	16	15A			TO	15				REPOSITION	1	1				SOIL	0	0	0	
	16	15B			STATE ROUTE 896	15				REPOSITION	1	1				SOIL	0	0	0	
	16	15C			DIRECTIONAL ARROW AUXILIARY (RIGHT)	15				REPOSITION	1	1				SOIL	0	0	0	
	16	16			DO NOT ENTER	16				REMAIN							0	0	0	
	16	17A			ONE WAY (LEFT)	17							REPOSITION	6.75	6.75	CONCRETE	0	2	0	
	16	17B			ONE WAY (RIGHT)	17							REPOSITION	6.75	6.75	CONCRETE	0		0	
9	16	18	R1-2(48)	1	YIELD	18	48"	48"	8	NEW		1				SOIL	1	0	0	
	16	19A			STOP	19				REMAIN							0	0	0	
	16	19B			LEFT TURN PROHIBITION	19				REMAIN							0	0	0	
	16	21			WRONG WAY	21				REMAIN							0	0	0	
	16	22A			TO	22				REMAIN							0	0	0	
	16	22B			NORTH	22				REMAIN							0	0	0	
	16	22C			STATE ROUTE 896	22				REMAIN							0	0	0	
	16	22D			DIRECTIONAL ARROW AUXILIARY (UP)	22				REMAIN							0	0	0	
	16	22E			NO STOPPING, STANDING, OR PARKING	22				REMAIN							0	0	0	
	16	22F			DO NOT ENTER	22				REMAIN							0	0	0	
393	16	23A	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	23	54"	18"	6.75	NEW		1				SOIL	0	0	0	
	16	23B			ONE WAY (RIGHT)	23				REMOVE	1						0	0	0	
	16	23C			ONE WAY (LEFT)	23				REMAIN							0	0	0	
	16	23D			EAST	23				REMAIN							0	0	0	
	16	23E			US ROUTE 40	23				REMAIN							0	0	0	
	16	23F			DIRECTIONAL ARROW AUXILIARY (LEFT)	23				REMAIN							0	0	0	
	16	24			BICYCLE WARNING	24				REMAIN							0	0	0	
	16	25			LEFT LANE MUST TURN LEFT	25				REMAIN							0	0	0	
1674	16	26A	D3-1(12)	1	STREET NAME (1 Line)	26	42"	12"	3.5	NEW		1				SOIL	1	0	0	"Glasgow Ave" Back-to Back (6" & 4.5" C-Series)
1674	16	26B	D3-1(12)	1	STREET NAME (1 Line)	26	42"	12"	3.5	NEW		1				SOIL		0	0	"Glasgow Ave" Back-to Back (6" & 4.5" C-Series)
1674	16	27A	D3-1(12)	1	STREET NAME (1 Line)	27	42"	12"	3.5	NEW		1				SOIL	1	0	0	"Glasgow Ave" Back-to Back (6" & 4.5" C-Series)
1674	16	27B	D3-1(12)	1	STREET NAME (1 Line)	27	42"	12"	3.5	NEW		1				SOIL		0	0	"Glasgow Ave" Back-to Back (6" & 4.5" C-Series)
PAGE TOTALS									**55.65**		14	21		13.5	23.5		6	2	0	
JOB TOTALS									**55.65**		**14**	**21**		**13.5**	**23.5**		**6**	**2**	**0**	

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT T201300101

COUNTY NC

BRIDGE NO. N/A

DESIGNED BY: BLK

CHECKED BY: JLF

SIGNING, STRIPING & CONDUIT PLAN

SHEET NO. 17

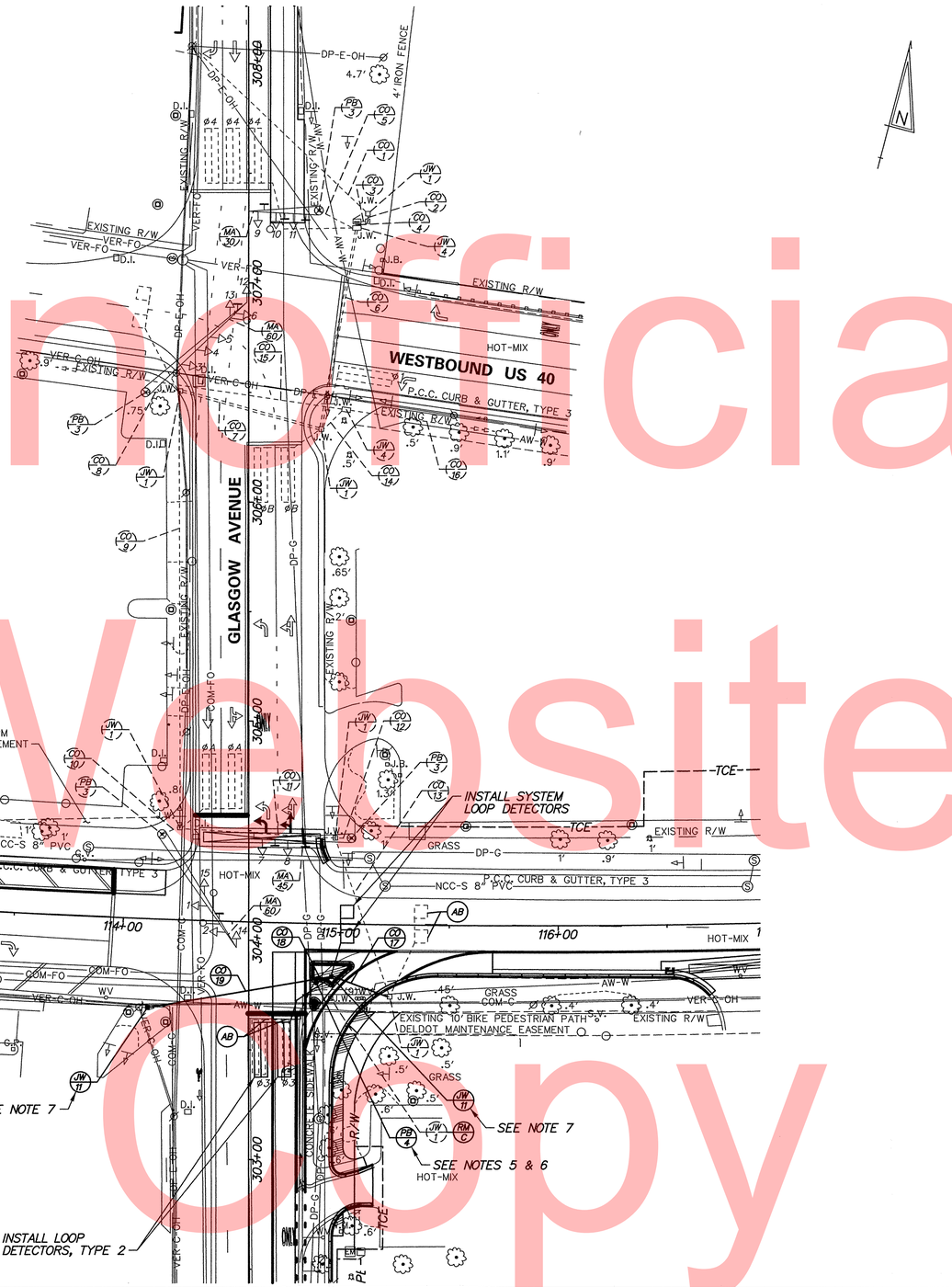
TOTAL SHTS. 20

CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2.5 IN	110 FT	-	TO REMAIN - EX. (1) 2/*8 U.F. W/GROUND - LINE SIDE
2*	1	2.0 IN	2 FT	-	TO REMAIN - EX. (1) 2/*8 U.F. W/GROUND - LINE SIDE
3*	1	2.0 IN	3 FT	-	TO REMAIN - EX. (1) 2/*8 U.F. W/GROUND - LOAD SIDE
4*	3	4.0 IN	1 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], [NEW (2) *6 GRD] TO REMAIN - EX. (12) 4/*18, EX. (4) 9/*14, EX. (1) FIBER OPTIC, EX. (1) *6 GRD
5*	1	3.0 IN	17 FT	-	TO REMAIN - EX. (1) 4/*18, EX. (1) 9/*14, EX. (1) *6 GRD
6*	2	4.0 IN	92 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], [NEW (1) *6 GRD] TO REMAIN - EX. (9) 4/*18, EX. (3) 9/*14, EX. (1) FIBER OPTIC, EX. (1) *6 GRD
7*	2	4.0 IN	65 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], [NEW (1) *6 GRD] TO REMAIN - EX. (7) 4/*18, EX. (3) 9/*14, EX. (1) *6 GRD
8*	1	3.0 IN	15 FT	-	TO REMAIN - EX. (2) 4/*18, EX. (1) 9/*14, EX. (1) *6 GRD
9*	1	4.0 IN	198 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], TO REMAIN - EX. (4) 4/*18, EX. (2) 9/*14, EX. (1) *6 GRD
10*	1	3.0 IN	8 FT	-	TO REMAIN - EX. (2) 4/*18, EX. (1) 9/*14, EX. (1) *6 GRD
11*	1	4.0 IN	67 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], TO REMAIN - EX. (1) 4/*18, EX. (1) 9/*14, EX. (1) *6 GRD
12*	1	3.0 IN	8 FT	-	TO REMAIN - EX. (1) 4/*18, EX. (1) 9/*14, EX. (1) *6 GRD
13*	1	4.0 IN	77 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14], [NEW (2) 5/*14], TO REMAIN - EX. (1) *6 GRD
14*	1	2.5 IN	14 FT	-	TO REMAIN - EX. (1) FIBER OPTIC
15*	1	4.0 IN	-	-	TO REMAIN - EX. (1) FIBER OPTIC
16*	1	4.0 IN	-	-	TO REMAIN - EX. (1) FIBER OPTIC
17	1	4.0 IN	29 FT	T	[NEW (4) 2/*14], [NEW (2) 5/*14], [NEW (1) *6 GRD]
18	1	2.5 IN	8 FT	T	EMPTY
19	1	4.0 IN	86 FT	B	[NEW (1) 5/*14], [NEW (1) *6 GRD]

*DENOTES EXISTING CONDUIT

B = BORE, T = TRENCH, O = OPEN CUT



NOTES:

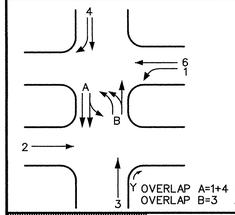
5. PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSHBUTTONS SHALL BE CONSTRUCTED IMMEDIATELY ADJACENT TO THE FLAT (50:1 OR FLATTER) LANDING AREA OF THE CURB RAMP OR SIDEWALK IN ACCORDANCE WITH CURRENT ADA BEST PRACTICES. THESE POLE BASES SHALL BE FLUSH WITH THE ADJOINING LANDING AREA.

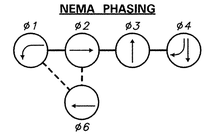
6. DELDOT TRAFFIC SHALL CAP THE PROPOSED POLE BASE, TYPE 4 WITH A 17" CAST ALUMINUM TRANSFORMER BASE (TO BE USED FOLLOWING PRIVATE DEVELOPER PROJECT).

7. DELDOT TRAFFIC SHALL RUN THE PROPOSED (1) 5/*14 AND (1) *6 GRD WIRES TO THE EXISTING SIGNAL CABINET AND COIL 25 FEET OF BOTH THE PROPOSED (1) 5/*14 AND (1) *6 GRD INSIDE THE PROPOSED JUNCTION WELL, TYPE 11 (TO BE USED FOLLOWING PRIVATE DEVELOPER PROJECT).

8. ALL WORK IS INTENDED TO OCCUR WITHIN DELDOT'S EXISTING AND PROPOSED RIGHT-OF-WAY OR IN ACCORDANCE WITH THE SIGNED "TRAFFIC SIGNAL INSTALLATION AND MAINTENANCE AGREEMENT" FOR PARCEL NOS. 11-026.00-064, 11-026.00-096, AND 11-026.00-117.

SIGNAL PHASING

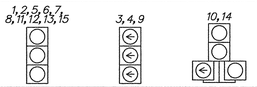




PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SIGNAL HEAD DIAGRAM



LEGEND

- PROPOSED SIGNAL CABINET
- EXISTING SIGNAL CABINET
- PROPOSED SIGNAL POLE BASE
- EXISTING SIGNAL POLE BASE
- PROPOSED PEDESTRIAN POLE BASE
- EXISTING PEDESTRIAN POLE BASE
- PROPOSED WOOD POLE
- EXISTING UTILITY POLE
- PROPOSED JUNCTION WELL
- EXISTING JUNCTION WELL
- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN PUSHBUTTON
- EXISTING PEDESTRIAN PUSHBUTTON
- PROPOSED VIDEO DETECTION
- EXISTING VIDEO DETECTION
- PROPOSED MICROWAVE DETECTION
- EXISTING MICROWAVE DETECTION
- EXISTING OVERHEAD SIGNING
- PROPOSED OPTICOM RECEIVER
- EXISTING OPTICOM RECEIVER
- PROPOSED MAST ARM
- EXISTING MAST ARM
- PROPOSED LUMINAIRE
- EXISTING LUMINAIRE
- PROPOSED LOOP DETECTOR (TYPE 1 OR 2)
- EXISTING LOOP DETECTOR (TYPE 1 OR 2)
- REMOVE BY CONTRACTOR
- REMOVE BY OTHERS
- ABANDON
- PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
- EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
- PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
- EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
- PROPOSED SPAN WIRE
- EXISTING SPAN WIRE
- RIGHT-OF-WAY OR PROPERTY LINE
- PROPOSED SPAN INSULATOR
- EXISTING SPAN INSULATOR
- EXISTING SERVICE PEDESTAL
- PROPOSED OVERHEAD SIGNING

GENERAL SIGNAL NOTES

1. EXISTING LOOP DETECTORS (TO REMAIN):
   TYPE *2 - 6' x 25' - NORTHBOUND GLASGOW AVENUE LEFT-TURN AND LEFT-TURN/THROUGH MOVEMENTS (NORTH OF EB US 40)
   TYPE *2 - 6' x 25' - SOUTHBOUND GLASGOW AVENUE RIGHT-TURN AND THROUGH MOVEMENTS (NORTH OF WB US 40)
   TYPE *2 - 6' x 25' - SOUTHBOUND GLASGOW AVENUE THROUGH AND LEFT-TURN/THROUGH MOVEMENTS (SOUTH OF WB US 40)
   TYPE *2 - 6' x 25' - WESTBOUND US 40 LEFT-TURN MOVEMENT
   SYSTEM - 6' x 6' - WESTBOUND US 40 RECEIVING LANES

   PROPOSED LOOP DETECTORS:
   TYPE *2 - 6' x 25' - NORTHBOUND GLASGOW AVE THROUGH MOVEMENTS (SOUTH OF EB US 40)
   SYSTEM - 6' x 6' - EASTBOUND US 40 RECEIVING LANES

2. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.

3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

4. ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED [signature] DATE: 3/19/15

APPROVED TRAFFIC ENGINEER [signature] DATE: 3/23/15

APPROVED FOR INSTALLATION
CHIEF TRAFFIC ENGINEER [signature] DATE: 3/23/15

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	PERMIT NO.	N187
T201300101	DESIGNED BY: B.S.S. (WRA)	
COUNTY	CHECKED BY: M.J.B. (WRA)	
NEW CASTLE		

SIGNAL PLAN US 40 @ GLASGOW AVE (A.K.A. SUMMIT BRIDGE ROAD)

SHEET NO.	TOTAL SHTS.
18	20

N:\3911-019\CADD\SIG\US40 @ Glasgow Ave Turn Lane.dgn
3/19/2015 2:56:44 PM

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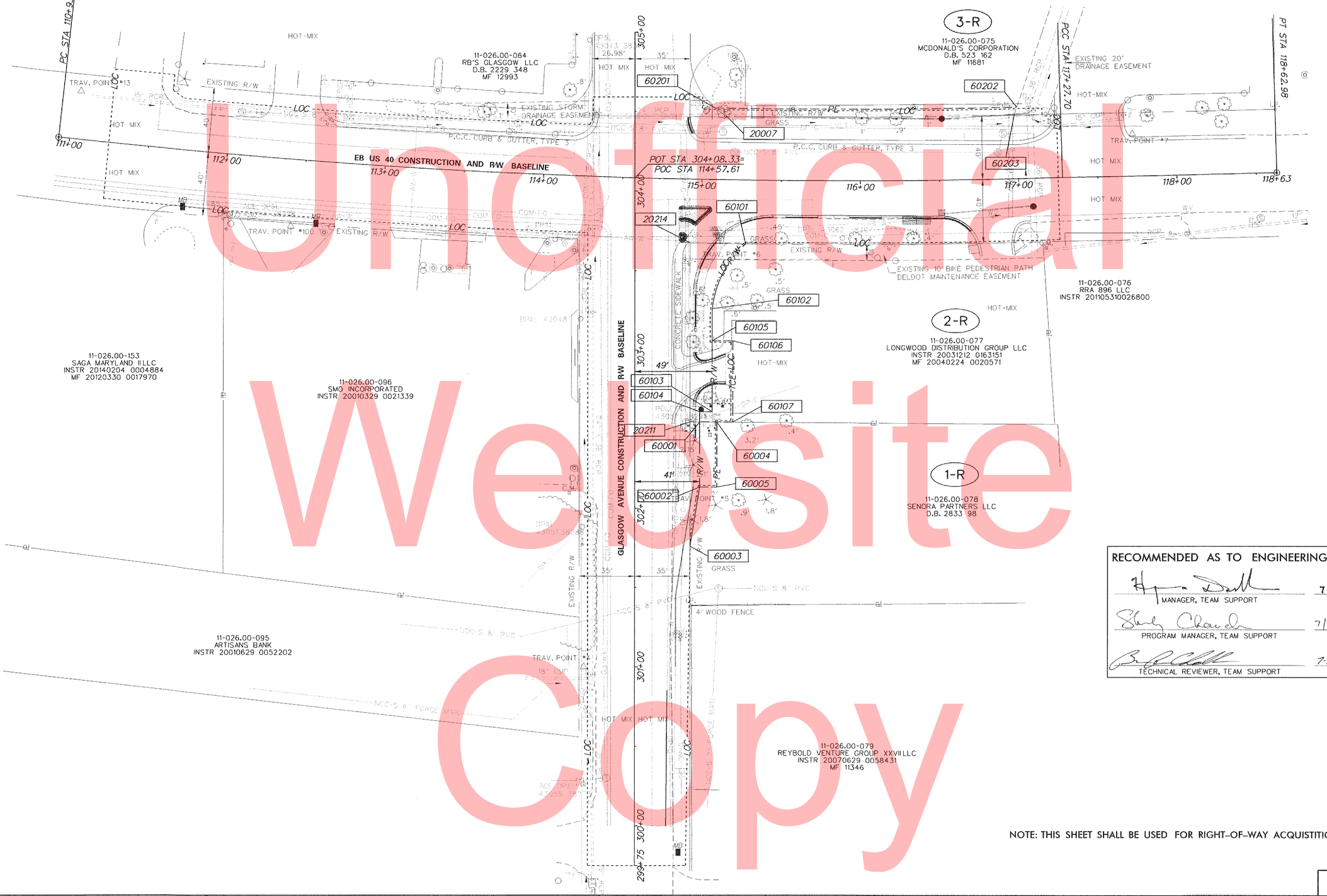

Unofficial Website Copy

RECOMMENDED AS TO ENGINEERING NEED

MANAGER, TEAM SUPPORT	DATE 7.30.14
PROGRAM MANAGER, TEAM SUPPORT	DATE 7/30/14
TECHNICAL REVIEWER, TEAM SUPPORT	DATE 7-30-14

NOTE: THIS SHEET SHALL BE USED FOR RIGHT-OF-WAY ACQUISITION PURPOSES ONLY.

RW SHEET 1 OF 2

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT	BRIDGE NO.	N/A
T201300101	DESIGNED BY: BLK	
COUNTY	CHECKED BY: JLF	
NC		

RIGHT-OF-WAY PLAN

SHEET NO.	TOTAL SHTS.
19	20

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ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
7 1-L	(11-026.00-096) SMO INCORPORATED	FEE	20010329 0021339	1.187

ALIGNMENT NUMBER & DESCRIPTION: 10100 - EB US 40, 10200 - GLASGOW AVENUE

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
60301	10100	114+04.20	40.00	584637.8522	563607.7002			N 77°18'13.99" E	20.00	20.00	-4493.25
20312	10200	303+69.43	-35.00	584642.2478	563627.2112	S 14°52'19.99" E	20.00				
60302	10200	303+49.43	-35.00	584622.9178	563632.3445	N 58°47'02.92" W	28.82				
60301	10100	114+04.20	40.00	584637.8522	563607.7002						

FIGURE 60300 AREA = 199.7072 SQ. FT. (0.0046 ACRES)

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
1-R	(11-026.00-078) SENORA PARTNERS LLC	P/E	2833 98	0.618

ALIGNMENT NUMBER & DESCRIPTION: 10200 - GLASGOW AVENUE

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
60001	10200	302+54.61	41.00	584550.7784	563730.1359	N 75°27'24.94" E	11.00				
60004	10200	302+54.54	52.00	584553.5406	563740.7835	S 14°52'22.06" E	41.23				
60005	10200	302+13.32	52.00	584513.6962	563751.3650	S 75°32'31.92" W	11.00				
60002	10200	302+13.40	41.00	584510.9498	563740.7131	N 14°52'21.30" W	41.21				
60001	10200	302+54.61	41.00	584550.7784	563730.1359						

FIGURE 60001 AREA = 453.3865 SQ. FT. (0.0104 ACRES)

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
1-R	(11-026.00-078) SENORA PARTNERS LLC	FEE	2833 98	0.618

ALIGNMENT NUMBER & DESCRIPTION: 10200 - GLASGOW AVENUE

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
20211	10200	302+54.64	35.00	584549.2718	563724.3282	N 75°27'24.94" E	6.00				
60001	10200	302+54.61	41.00	584550.7784	563730.1359	S 14°52'21.30" E	41.21				
60002	10200	302+13.40	41.00	584510.9498	563740.7131	S 5°46'13.26" E	37.93				
60003	10200	301+75.95	35.00	584473.2121	563744.5266	N 14°52'20.07" W	78.70				
20211	10200	302+54.64	35.00	584549.2718	563724.3282						

FIGURE 60000 AREA = 359.7190 SQ. FT. (0.0083 ACRES)

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
2-R	(11-026.00-077) LONGWOOD DISTRIBUTION GROUP LLC	TCE	20031212 0163151	0.588

ALIGNMENT NUMBER & DESCRIPTION: 10200 - GLASGOW AVENUE

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
60001	10200	302+54.61	41.00	584550.7784	563730.1359	N 14°52'21.30" W	6.44				
60104	10200	302+61.04	41.00	584556.9979	563728.4842	N 75°07'38.70" E	8.00				
60103	10200	302+61.04	49.00	584559.0513	563736.2162	N 14°52'21.30" W	44.88				
60105	10200	303+05.93	49.00	584602.4315	563724.6959	N 75°07'38.70" E	13.00				
60106	10200	303+05.93	62.00	584605.7683	563737.2603	S 14°52'19.91" E	51.44				
60107	10200	302+54.49	62.00	584556.0517	563750.4631	S 75°27'24.93" W	21.00				
60001	10200	302+54.61	41.00	584550.7784	563730.1359						

FIGURE 60101 AREA = 719.8870 SQ. FT. (0.0165 ACRES)

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
2-R	(11-026.00-077) LONGWOOD DISTRIBUTION GROUP LLC	FEE	20031212 0163151	0.588

ALIGNMENT NUMBER & DESCRIPTION: 10200 - GLASGOW AVENUE, 10100 - EB US 40

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
20211	10200	302+54.64	35.00	584549.2718	563724.3282	N 14°52'20.07" W	112.83				
20214	10200	303+67.47	35.00	584658.3220	563695.3687			N 76°03'38.84" E	34.92	34.92	-4493.25
60101	10100	115+28.03	40.00	584666.7330	563729.2565			S 12°14'40.75" W	45.88	46.92	-64.00
60102	10200	303+26.07	49.00	584621.8979	563719.5262	S 14°52'21.30" E	65.03				
60103	10200	302+61.04	49.00	584559.0513	563736.2162	S 75°07'38.70" W	8.00				
60104	10200	302+61.04	41.00	584556.9979	563728.4842	S 14°52'21.30" E	6.44				
60001	10200	302+54.61	41.00	584550.7784	563730.1359	S 75°27'24.93" W	6.00				
20211	10200	302+54.64	35.00	584549.2718	563724.3282						

FIGURE 60100 AREA = 1825.6755 SQ. FT. (0.0419 ACRES)

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
3-R	(11-026.00-075) MCDONALD'S CORPORATION	P/E	523 162	1.441

ALIGNMENT NUMBER & DESCRIPTION: 10100 - EB US 40

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
20007	10100	115+15.00	-40.00	584741.1590	563697.1515			N 70°01'30.00" W	8.96	8.97	45.00
60201	10100	115+07.49	-45.00	584744.2198	563688.7306			N 74°51'49.90" E	190.58	190.60	-4408.25
60202	10100	117+00.03	-45.00	584793.9836	563872.7022	S 3°42'26.03" W	5.32				
60203	10100	116+98.19	-40.00	584788.6715	563872.3580			S 74°49'38.74" W	181.53	181.55	4413.25
20007	10100	115+15.00	-40.00	584741.1590	563697.1515						

FIGURE 60200 AREA = 931.6898 SQ. FT. (0.0214 ACRES)

LEGEND

FEE	AREA OF ACQUISITION
R/W	AREA OCCUPIED BY EXISTING RW
P/E	PERMANENT EASEMENT
TCE	TEMPORARY CONSTRUCTION EASEMENT
*	"-" OFFSET IS LEFT OF BASELINE
**	"-" CURVE TURNS TO THE LEFT

COUNTY ASSESSMENT PARCEL NUMBER	PLAN SHEET NUMBER	OWNERSHIP OF RECORD	TITLE SOURCE	PROPERTY AREA BEFORE ACQUISITION (ACRE) D=DEED C=CALCULATED A=ASSESMENT	ACQUISITION CODE FEE, R/W, P/E, TCE	AREA TO BE ACQUIRED				PROPERTY AREA REMAINING (SQ. FEET /ACRES)	DEED RECORD OF ACQUISTITION	REMARKS
						ACQUISITION (SQ. FEET /ACRES)	AREA OCCUPIED BY EXISTING RIGHT OF WAY (SQ. FEET /ACRES)	EASEMENT PERMANENT (SQ. FEET /ACRES)	EASEMENT TEMPORARY (SQ. FEET /ACRES)			
7 1-L	19	(11-026.00-096) SMO INCORPORATED	20010329 0021339	C - 1.19	FEE	199.7072 / 0.00				51518.6366 / 1.18		
1-R	19	(11-026.00-078) SENORA PARTNERS LLC	2833 98	C - 0.62	P/E			453.3865 / 0.01				
					FEE	359.719 / 0.01				26556.7422 / 0.61		
2-R	19	(11-026.00-077) LONGWOOD DISTRIBUTION GROUP LLC	20031212 0163151	C - 0.59	TCE				719.887 / 0.02			
					FEE	1825.6755 / 0.04				23794.0877 / 0.55		
3-R	19	(11-026.00-075) MCDONALD'S CORPORATION	523 162	C - 1.44	P/E			931.6898 / 0.02		62767.8766 / 1.44		DRAINAGE EASEMENT

RW SHEET 2 OF 2

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS
7 PARCEL 1-L R/W AQUISITION BLK 1/21/15

NOT TO SCALE

HEP NCC, US 40 AT GLASGOW AVENUE

CONTRACT T201300101
COUNTY NEW CASTLE
BRIDGE NO. N/A
DESIGNED BY: BLK
CHECKED BY: JLF

RIGHT-OF-WAY DATA SHEET

SHEET NO. 20
TOTAL SHTS. 20

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