

THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

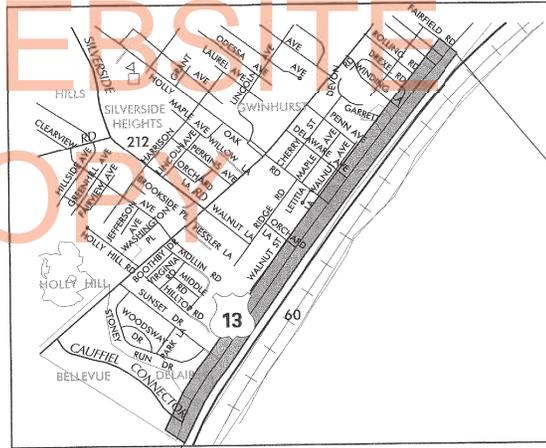


CONSTRUCTION PLANS FOR:
GOVERNOR PRINTZ BOULEVARD
RESTORATION

CONTRACT NUMBER: T201404401

COUNTY: NEW CASTLE M.R. #: 050

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WEBSITE
COPY



END CONTRACT
STATION 281+75

BEGIN CONTRACT
STATION 198+00

U.S. CUSTOMARY
UNITS

DESIGN DESIGNATION

FUNCTIONAL CLASS: ARTERIAL DESIGN SPEED: 55 M.P.H. YEAR: 2013
TYPE OF CONSTRUCTION: RESTORATION A.A.D.T. CURRENT: 6943

INDEX OF SHEETS

SHEET NO	TITLE
1	TITLE
2	PLAN SHEET INDEX
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49-59	SIGNING, STRIPING, AND CONDUIT PLANS

TOTAL SHEETS: 59

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME

RECOMMENDED

[Signature]
SQUAD MANAGER, CONSTRUCTION 9/5/13
DATE

[Signature]
GROUP ENGINEER, CONSTRUCTION 9/5/13
DATE

ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) DATE

RECOMMENDED

Vincent W. Davis
STORMWATER ENGINEER
DATE 4 Sep 2013



RECOMMENDED

Dawn O'Neil
SQUAD MANAGER, TRANSPORTATION SOLUTIONS (PROJECT DEVELOPMENT OR BRIDGE DESIGN)
DATE August 28, 2013



RECOMMENDED

BRIDGE DESIGN ENGINEER
DATE

RECOMMENDED

Dawn O'Neil
GROUP ENGINEER, PROJECT DEVELOPMENT
DATE August 28, 2013



RECOMMENDED

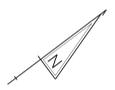
Mah C. Juch
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS
DATE Sep 9, 2013



APPROVED

[Signature]
CHIEF ENGINEER (ACTING)
DATE SEPTEMBER 9, 2013

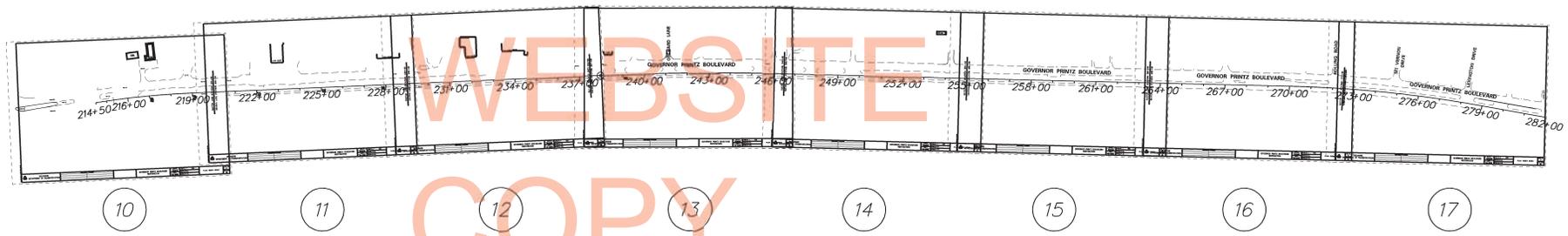




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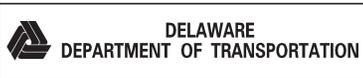
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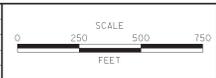


CONSTRUCTION PLAN	10	11	12	13	14	15	16	17
CONSTRUCTION PHASING, M.G.I., AND E&S	24, 33, 41	25, 34, 42	26, 35, 43	27, 36, 44	28, 37, 45	29, 38, 46	30, 39, 47	31, 40, 48
SIGNING, STRIPING AND CONDUIT PLAN	49	50	51	52	53	54	55	56

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ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMG	
NEW CASTLE		

PLAN SHEET INDEX

SHEET NO.	2
TOTAL SHTS.	59

EXISTING SYMBOLS

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

MANMADE ROADSIDE FEATURES	
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	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
	MAILBOX
	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
	DELIMITED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS	
	PROPERTY MARKER - CONCRETE MON.
	PROPERTY MARKER - IRON PIPE
	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING DENIAL OF ACCESS
	EXISTING R/W & DENIAL OF ACCESS

SURVEY CONTROL & MONUMENTATION	
	SURVEY BENCHMARK LOCATION
	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS

UTILITY	
	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
	CABLE TV DISTRIBUTION BOX
	ELECTRIC MANHOLE
	ELECTRIC METER
	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
	MANHOLE - UNDETERMINED OWNER

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BRICK PATTERNED SURFACE
	BUTT JOINT
	CONSTRUCTION BASELINE
	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
	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
	HORIZONTAL CLEARANCE
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LIMIT OF CONSTRUCTION
	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
	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

PROPOSED SYMBOLS

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
	CONSTRUCTION SAFETY FENCE
	DRAINAGE INLET
	DO NOT DISTURB
	ENERGY DISSIPATOR
	FENCE
	FLARED END SECTION
	FILL WITH FLOWABLE FILL
	FILTRATION STRUCTURE
	GUARDRAIL
	JUNCTION BOX
	MANHOLE
	MONUMENT - RIGHT-OF-WAY
	PIPE
	RELOCATE BY CONTRACTOR
	RELOCATE BY OTHERS
	REMOVE BY CONTRACTOR
	REMOVE BY OTHERS
	UNDERDRAIN / LENGTH
	UNDERDRAIN OUTLET PIPE

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

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

PAVEMENT SECTION(S)	
	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

ADDENDUMS / REVISIONS

NOT TO SCALE

GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO. 3	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	CHECKED BY: DMO

LEGEND

SHEET NO.	3
TOTAL SHTS.	59

GENERAL NOTES

- 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.
- THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FUTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR CASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
- THE ENDS OF ALL CURBS SHALL BE DEPRESSED FLUSH WITH THE PAVEMENT AT A RATIO OF TWELVE TO ONE (12:1) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC SLEEVES (4" INSIDE MINIMUM DIAMETER, 6" INSIDE MAXIMUM DIAMETER) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL SIT ON THE TOP OF THE SUBBASE MATERIAL. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
- STAGING AREAS - PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS. ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE CONTRACT. IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF THE AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH DELAWARE STANDARD SPECIFICATIONS 732, 734 AND 735, FOR TOPSOIL, SEED AND MULCH RESPECTIVELY. TO THE SATISFACTION OF THE ENGINEER. THE SEED SHALL ADHERE TO THE SPECIFICATIONS OF SECTION 734 FOR PERMANENT GRASS SEEDING - DRY GROUND. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE. IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH REESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTOR'S EXPENSE.

6. **SITE REVIEWER** - AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DREG CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE NAME OF THE DELAWARE REGISTERED PROFESSIONAL ENGINEER PROVIDING DIRECTION AND SUPERVISION OF THE SITE REVIEWER, AS REQUIRED IN SECTION 12.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, SHALL ALSO BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE MARKED WITH AN "X" BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
() INSIGNIFICANT	NONE
(X) MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY, AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MEDIUM	AT THE TIME OF BID OF THE CONTRACT, EITHER THE SUPERINTENDENT OR A SEPARATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MAJOR	SUPERINTENDENT AND AN INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR AT THE TIME OF BID OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

7. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR INCLUDE:

()	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	RASTER FILES, IN .CAL FILE FORMAT, FOR ALL PLAN SHEETS.
()	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.

8. 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.

9. THE DISTURBED AREA FOR THIS PROJECT IS 1.05 ACRES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO THE CONSTRUCTION SITE POLLUTION PREVENTION SPECIFICATIONS AS DETAILED IN SECTION 3.6 OF THE "DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK". ALL COSTS ASSOCIATED WITH ADHERING TO THE STANDARDS SHALL BE INCIDENTAL TO THE OVERALL CONTRACT COSTS.

11. THE EROSION AND SEDIMENT CONTROL PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE EROSION AND SEDIMENT CONTROL 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 SHALL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE EROSION AND SEDIMENT CONTROL PLAN APPROVAL. DELDOT WILL REVIEW THE CURRENT EROSION AND SEDIMENT CONTROL 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 NDIS 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 NDICAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

SECTION 300

3. 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 B21)
 b. CRUSHED CONCRETE (PER STANDARD SPECIFICATION B21)
 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 SINGLE SOURCE, FULL DEPTH, IN ORDER THAT PROPER TESTING MAY BE ACCOMPLISHED. THE CONTRACTOR AND 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 BEING EQUAL TO THE ACTUAL QUANTITY USED UNDER 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 EXCESS MILLING MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

SECTION 700

4. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO BE ADDED TO THE EXISTING PAVEMENT.

MISCELLANEOUS

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

6. PUMPING MAY BE REQUIRED IN ORDER TO DRY THE SURFACE ALONG NORTHBOUND GOVERNOR PRINTZ BOULEVARD PRIOR TO PLACING THE WMA. THE COST ASSOCIATED WITH PUMPING WILL BE INCIDENTAL TO ITEM NUMBER 40180.

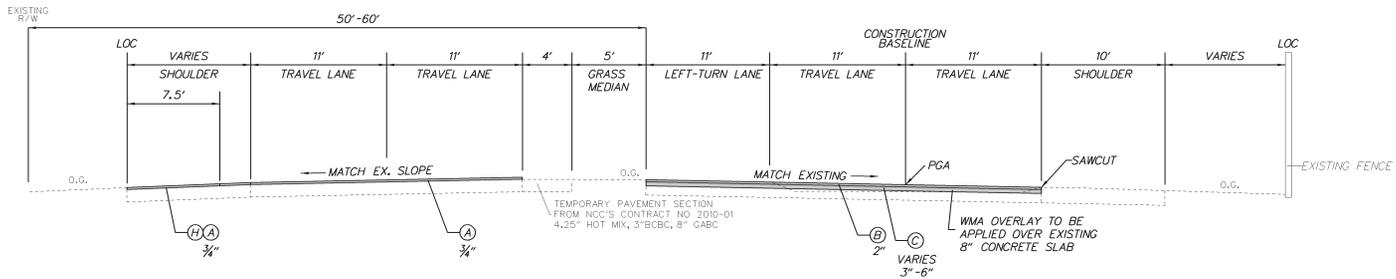
7. REMOVAL OF TUBULAR MARKERS ON SOUTHERNBOUND GOVERNOR PRINTZ BOULEVARD DURING PHASE 2 WILL BE INCIDENTAL TO ITEM NUMBER 743000- MAINTENANCE OF TRAFFIC.

UTILITY PROVISIONS

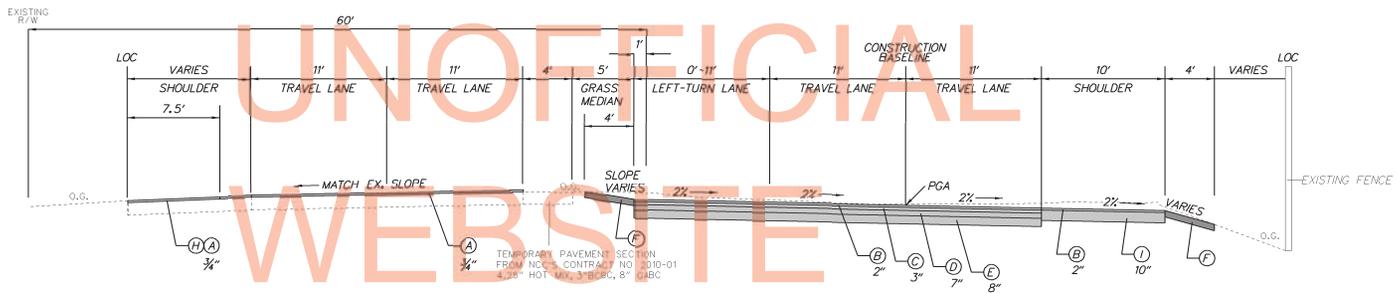
- DELDOT AND ITS CONTRACTORS SHALL COMPLY WITH THE DELAWARE CODE, TITLE 26, CHAPTER 8, THE UNDERGROUND UTILITY DAMAGE PREVENTION AND SAFETY ACT.
- ANY WORK PERFORMED SHALL MAINTAIN A MINIMUM OF 24" CLEARANCE ABOVE OR BELOW THE LINDE GROUP'S EXISTING PIPELINE.
- DELDOT WILL PROVIDE A MINIMUM NOTICE OF 48 HOURS TO THE LINDE GROUP PRIOR TO INITIATING EXCAVATION SO THAT THE LINDE GROUP MAY ASSIGN A REPRESENTATIVE TO BE PRESENT DURING THE WORK.
- NO EQUIPMENT SHALL WORK DIRECTLY OVER THE PIPELINE ESPECIALLY THE VIBRATORY ROLLERS UNLESS APPROVED BY THE LINDE GROUP'S PIPELINE ENGINEERING MANAGER.
- WHEN EXCAVATING OVER THE LINDE GROUP'S FACILITIES AS DEPICTED ON THE PROJECT PLANS, THE ENCROACHING PARTY'S EXCAVATOR SHALL HAVE A PLATE WELDED OVER THE TEETH OF THE EXCAVATOR BUCKET, AND THE SIDE CUTTERS MUST BE REMOVED PRIOR TO EXCAVATION TO HELP PREVENT PIPELINE DAMAGE.
- ANY EXCAVATION TAKING PLACE WITHIN 24 INCHES OF THE OUTER EDGE OF THE PIPE SHALL BE DONE BY HAND EXCAVATION ONLY. AIR CUTTING AND VACUUM EXCAVATION ARE PERMITTED WITH THE APPROVAL OF A LINDE GROUP REPRESENTATIVE PRESENT ON-SITE DURING THE EXCAVATION OPERATION.
- EXCAVATORS MUST WORK/DIG PARALLEL TO THE LINDE GROUP'S PIPELINE FACILITIES AS PRACTICALLY POSSIBLE.
- UPON REQUEST BY THE LINDE GROUP, THE CONTRACTOR WILL INSTALL SAND BAGS OR OTHER SUITABLE INSULATING MATERIAL TO MAINTAIN PROPER VERTICAL CLEARANCE FROM THE PIPELINE.
- THE WORK SHALL NOT INTERFERE WITH CURRENT OPERATIONS OF THE LINDE GROUP FACILITIES LOCATED IN STATE RIGHT-OF-WAY.

LAST REVISED: 03/22/2011
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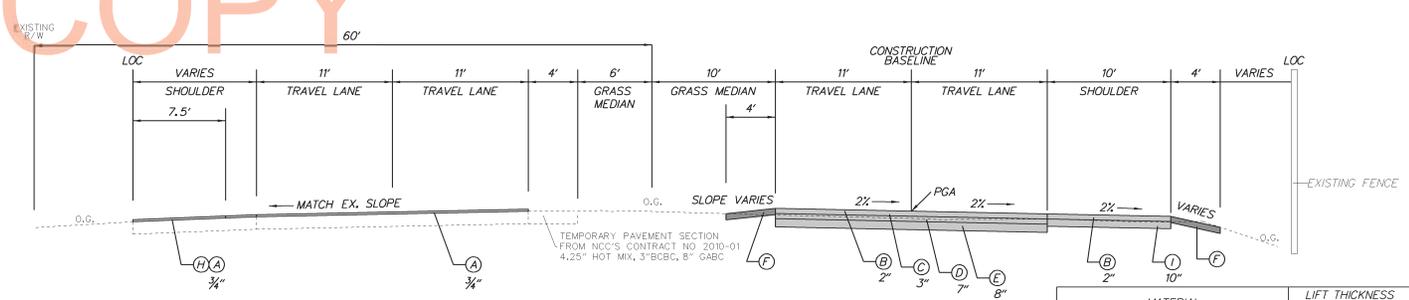
<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	NOT TO SCALE	<p>GOVERNOR PRINTZ BOULEVARD RESTORATION</p>	CONTRACT	BRIDGE NO.	IVA	NOTES	SHEET NO.
				T201044401	4			
				COUNTY	DESIGNED BY: BLK	TOTAL SHTS:		
				NEW CASTLE	CHECKED BY: DMO			59



**GOVERNOR PRINTZ BOULEVARD
STATION 228+40 TO STATION 232+18**

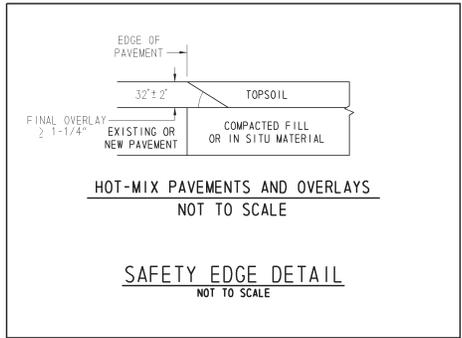


**GOVERNOR PRINTZ BOULEVARD
STATION 222+00 TO STATION 223+50**



**GOVERNOR PRINTZ BOULEVARD
STATION 215+40 TO STATION 222+00
STATION 223+50 TO STATION 228+40**

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



**HOT-MIX PAVEMENTS AND OVERLAYS
NOT TO SCALE**

**SAFETY EDGE DETAIL
NOT TO SCALE**

LEGEND

- (A) ITEM 401836 - THIN WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22
- (B) ITEM 401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22
- (C) ITEM 401810 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22
- (D) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (E) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (F) ITEM 732002 - TOPSOIL 6" DEPTH
- (G) ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
- (H) ITEM 760502 - PAVEMENT MILLING, TAPER CUT
- (I) ITEM 302513 - CRUSHED P.C.C. BASE COURSE

ADDENDUMS / REVISIONS



NOT TO SCALE

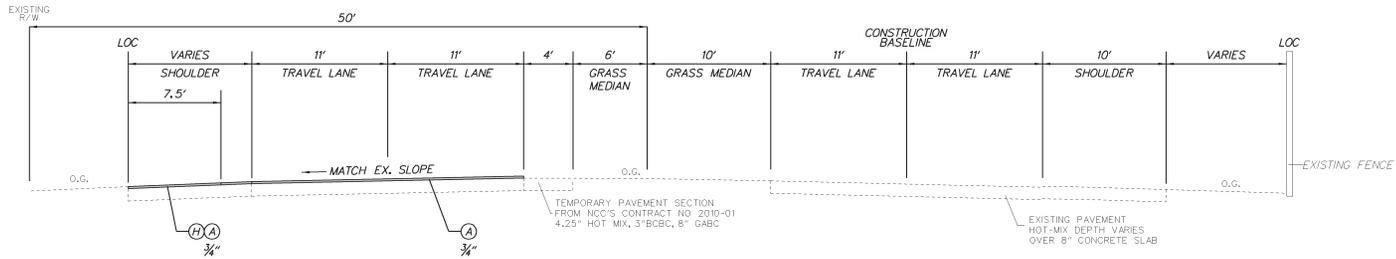
**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

CONTRACT T201404401	BRIDGE NO.	IVA
COUNTY	DESIGNED BY: BLK	
NEW CASTLE	CHECKED BY: DMO	

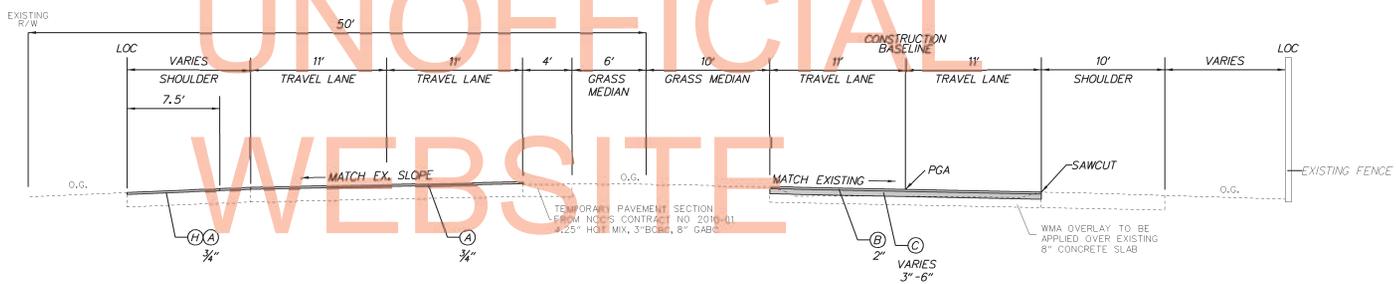
TYPICAL SECTIONS

SHEET NO.	5
TOTAL SHTS.	59

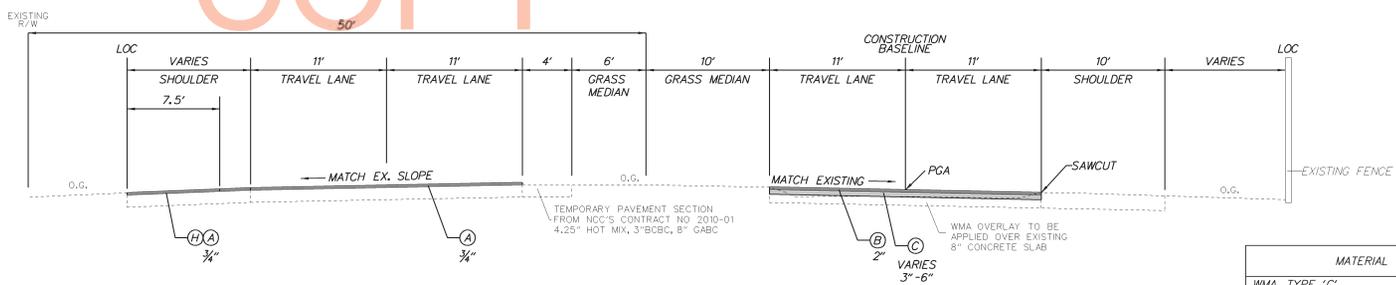
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**GOVERNOR PRINTZ BOULEVARD
STATION 262+00 TO STATION 281+50**



**GOVERNOR PRINTZ BOULEVARD
STATION 249+00 TO STATION 262+00**



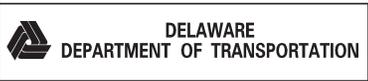
**GOVERNOR PRINTZ BOULEVARD
STATION 232+18 TO STATION 249+00**

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

LEGEND

- (A) ITEM 401836 - THIN WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22
- (B) ITEM 401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22
- (C) ITEM 401810 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22
- (D) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (E) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (F) ITEM 732002 - TOPSOIL 6" DEPTH
- (G) ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
- (H) ITEM 760502 - PAVEMENT MILLING, TAPER CUT
- (I) ITEM 302513 - CRUSHED P.C.C. BASE COURSE

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ADDENDUMS / REVISIONS

NOT TO SCALE

**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

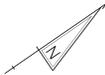
CONTRACT T201404401	BRIDGE NO.	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

TYPICAL SECTIONS

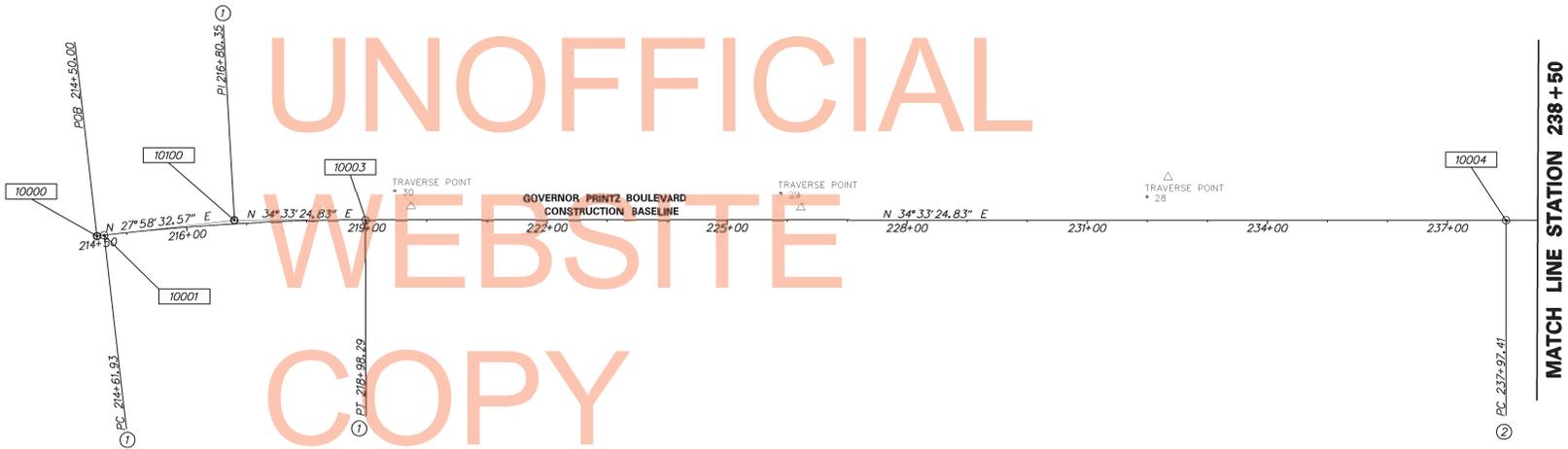
SHEET NO.	6
TOTAL SHTS.	59

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
30	219+74.12	-22.70	646916.1050	638230.2810	9.32
29	226+22.71	-19.94	647448.6940	638600.4660	10.45
28	232+34.59	-71.75	647981.9990	638904.8820	11.07

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
10000	214+50.00	0.00	646457.4551	637974.0349



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.
 THE CONTROL IS BASED ON THE CONTROL POINTS FROM NEW CASTLE COUNTY'S SEWER PROJECT CONTRACT NO. 2010-01.



CIRCULAR CURVE NO. ①			
Element: Circular	STATION	NORTHING	EASTING
PC (10001)	214+61.93	646467.9928	637979.6321
PI (10100)	216+80.35	646660.8869	638082.0909
CC (10002)		644685.9428	641334.6107
PT (10003)	218+98.29	646840.7671	638205.9823
Radius:	3798.89		
Delta:	6°34'52.2638" Right		
Degree of Curvature (Arc):	1°30'29.6038"		
Length:	436.35		
Tangent:	218.42		
Chord:	436.11		
Middle Ordinate:	6.26		
External:	6.27		
Tangent Direction:	N 27°58'32.5659" E		
Radial Direction:	S 62°01'27.4341" E		
Chord Direction:	N 3°15'58.6978" E		
Radial Direction:	S 55°26'35.1703" E		
Tangent Direction:	N 34°33'24.8297" E		

CIRCULAR CURVE NO. ②			
Element: Circular	STATION	NORTHING	EASTING
PC (10004)	237+97.41	648404.8171	639283.2124
PI (10200)	242+14.75	648748.5223	639519.9374
CC (10005)		641312.1048	649581.2499
PT (10006)	246+31.78	649075.6785	639779.0529
Radius:	12504.24		
Delta:	3°49'23.3972" Right		
Degree of Curvature (Arc):	0°27'29.5583"		
Length:	834.37		
Tangent:	417.34		
Chord:	834.21		
Middle Ordinate:	6.96		
External:	6.96		
Tangent Direction:	N 34°33'24.8298" E		
Radial Direction:	S 55°26'35.1702" E		
Chord Direction:	N 36°28'06.5285" E		
Radial Direction:	S 51°37'11.7729" E		
Tangent Direction:	N 38°22'48.2271" E		

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ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

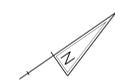
CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMO	
NEW CASTLE		

HORIZONTAL AND VERTICAL CONTROL

SHEET NO.	7
TOTAL SHTS.	59

MATCH LINE STATION 238+50

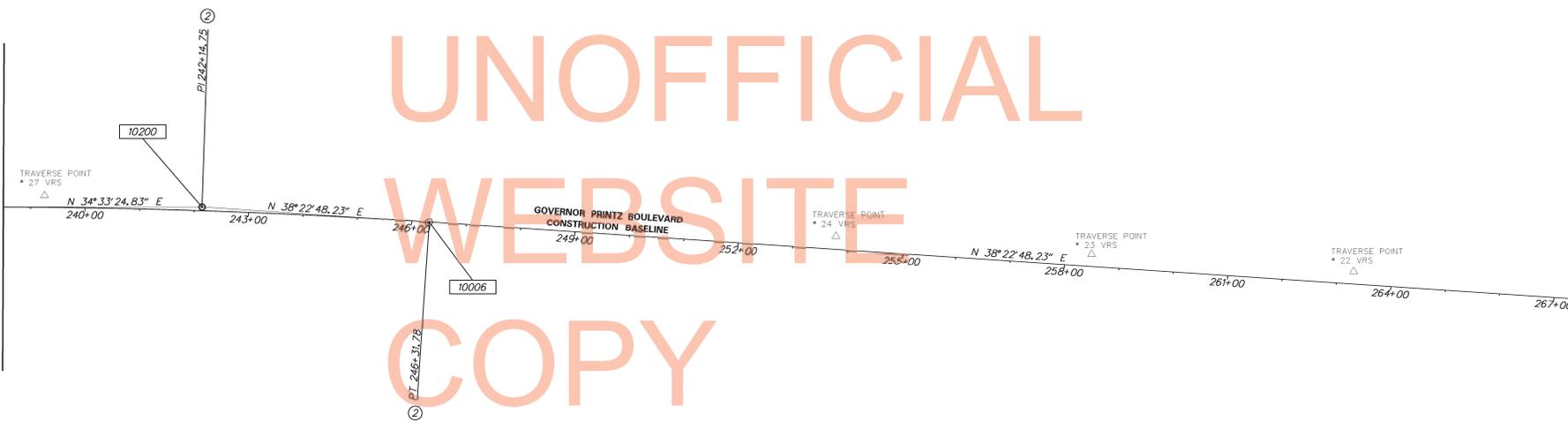
HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
27	239+25.63	-21.63	648522.4930	639338.7860	15.27
24	253+77.95	-23.86	649675.4240	640223.6280	10.41
23	258+48.56	-22.59	650043.5460	640516.8120	10.24
22	263+30.26	-23.00	650421.4060	640815.5670	14.14



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MATCH LINE STATION 238+50

MATCH LINE STATION 267+50



CIRCULAR CURVE NO. ②			
Element:	STATION	NORTHING	EASTING
Circular			
PC (10004)	237+97.41	648404.8171	639283.2124
PI (10200)	242+14.75	648748.5223	639519.9374
CC (10005)	246+31.78	641312.1048	649581.2499
PT (10006)	246+31.78	649075.6785	639779.0529
Radius:	12504.24		
Delta:	3° 49' 23.3972" Right		
Degree of Curvature (Arc):	0° 27' 29.5583"		
Length:	834.37		
Tangent:	417.34		
Chord:	834.21		
Middle Ordinate:	6.96		
External:	6.98		
Tangent Direction:	N 34° 33' 24.8298" E		
Radial Direction:	S 55° 26' 35.1702" E		
Chord Direction:	N 36° 28' 06.5285" E		
Radial Direction:	S 51° 37' 11.7729" E		
Tangent Direction:	N 38° 22' 48.2271" 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.
THE CONTROL IS BASED ON THE CONTROL POINTS FROM NEW CASTLE COUNTY'S SEWER PROJECT CONTRACT NO. 2010-01.

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ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMO	
NEW CASTLE		

HORIZONTAL AND VERTICAL CONTROL

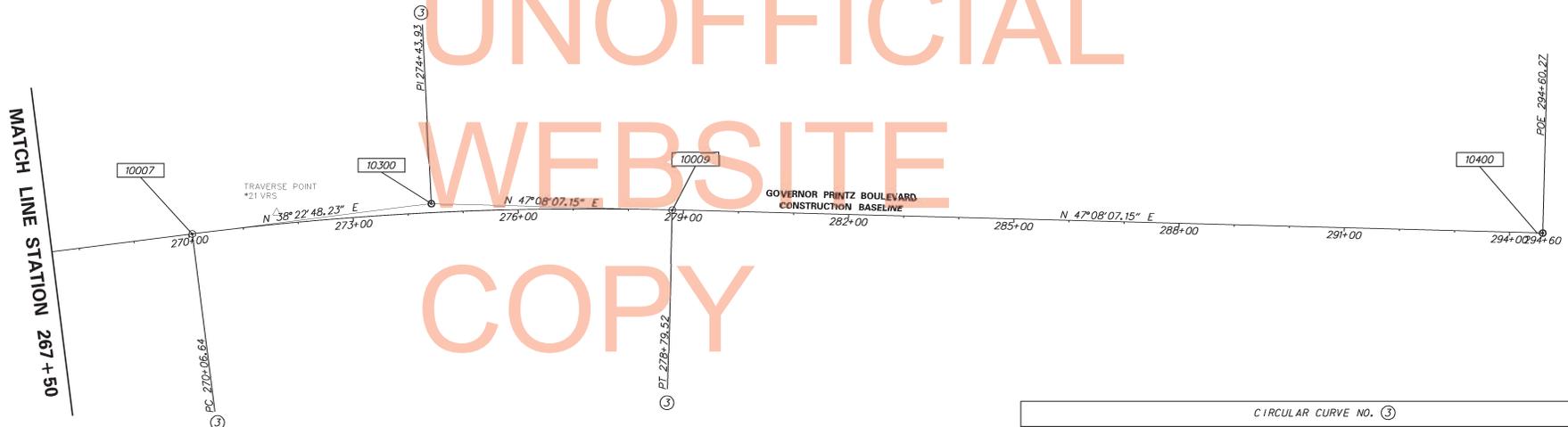
SHEET NO.	8
TOTAL SHTS.	59

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
10400	294+50.00	0.00	652645.9757	642996.6688

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
21	271+63.01	-20.99	651072.0740	641336.2080	23.49



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WEBSITE
COPY



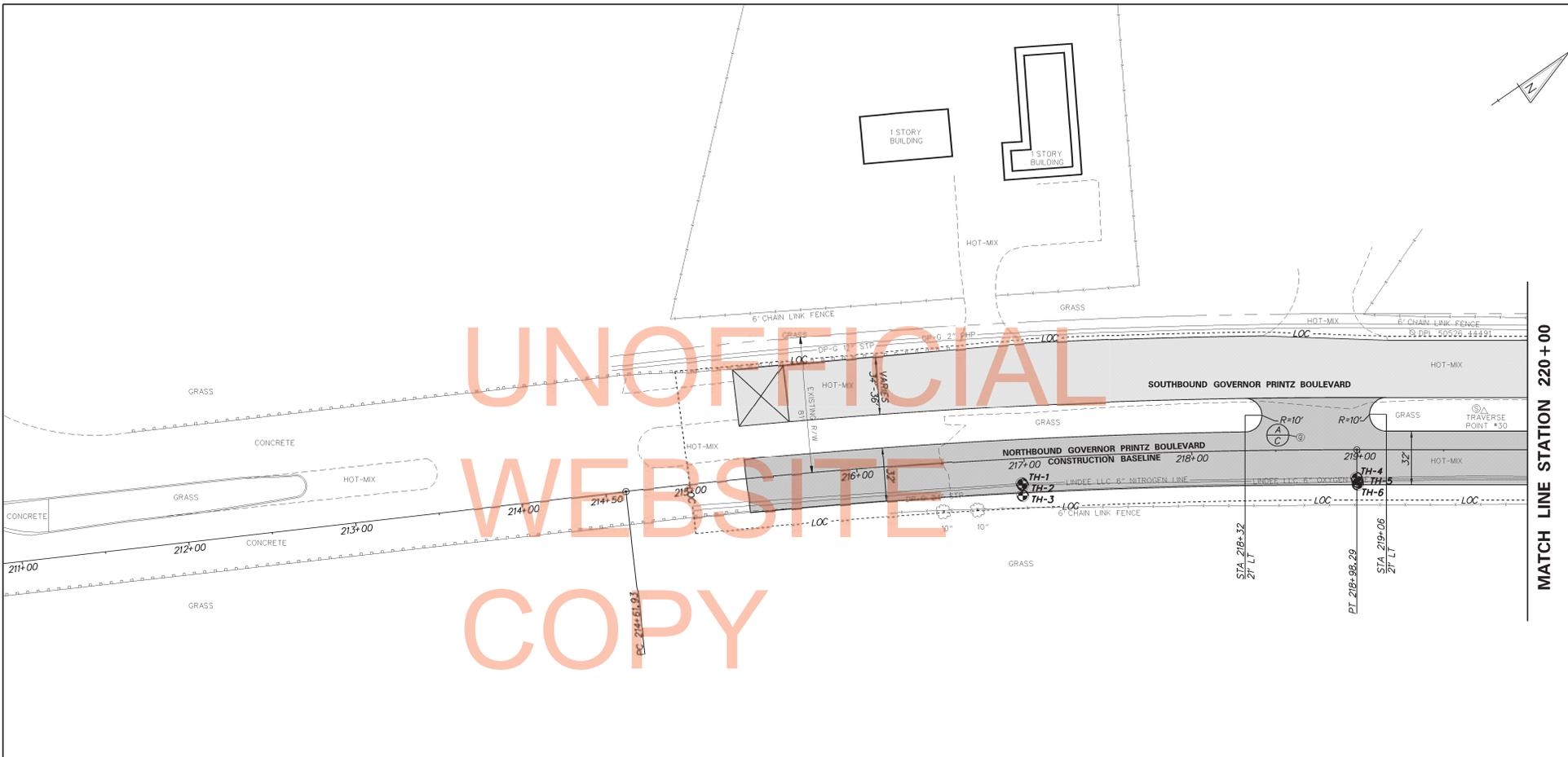
CIRCULAR CURVE NO. ③			
Element: Circular	STATION	NORTHING	EASTING
PC (10007)	270+06.64	650937.3547	641253.5449
PI (10300)	274+43.93	651280.1494	641525.0464
CC (10008)	278+79.52	647390.7746	645731.4154
PT (10009)	278+79.52	651577.6233	641845.5624
Radius:	5712.23		
Delta:	8° 45' 18.9258" Right		
Degree of Curvature (Arc):	1° 00' 10.9340"		
Length:	872.87		
Tangent:	457.29		
Chord:	872.03		
Middle Ordinate:	16.66		
External:	16.71		
Tangent Direction:	N 38° 22' 48.2271" E		
Radial Direction:	S 51° 37' 11.7729" E		
Chord Direction:	N 42° 45' 27.6900" E		
Radial Direction:	S 42° 51' 52.8471" E		
Tangent Direction:	N 47° 08' 07.1529" 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.
 THE CONTROL IS BASED ON THE CONTROL POINTS FROM NEW CASTLE COUNTY'S SEWER PROJECT CONTRACT NO. 2010-01.

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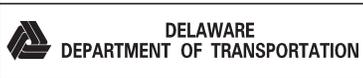
 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE FEET	GOVERNOR PRINTZ BOULEVARD RESTORATION	CONTRACT	BRIDGE NO.	NA	HORIZONTAL AND VERTICAL CONTROL	SHEET NO.
				T201404401	DESIGNED BY: BLK	9		
				NEW CASTLE	CHECKED BY: DMO	TOTAL SHTS: 59		

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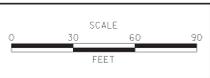


**NOTE: THE TEMPORARY PAVEMENT STRIPING USED IN NCC'S SEWER PROJECT LOCATED ON THE CONCRETE PAVEMENT SECTION FROM APPROXIMATELY STATION 198+00 TO STATION 215+25 IS TO BE HYDROBLASTED. THE PAVEMENT WILL BE RESTRIPTED TO THE CONDITIONS PRIOR TO NCC'S SEWER PROJECT- TWO 11' TRAVEL LANES AND A 10' SHOULDER.*

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ADDENDUMS / REVISIONS



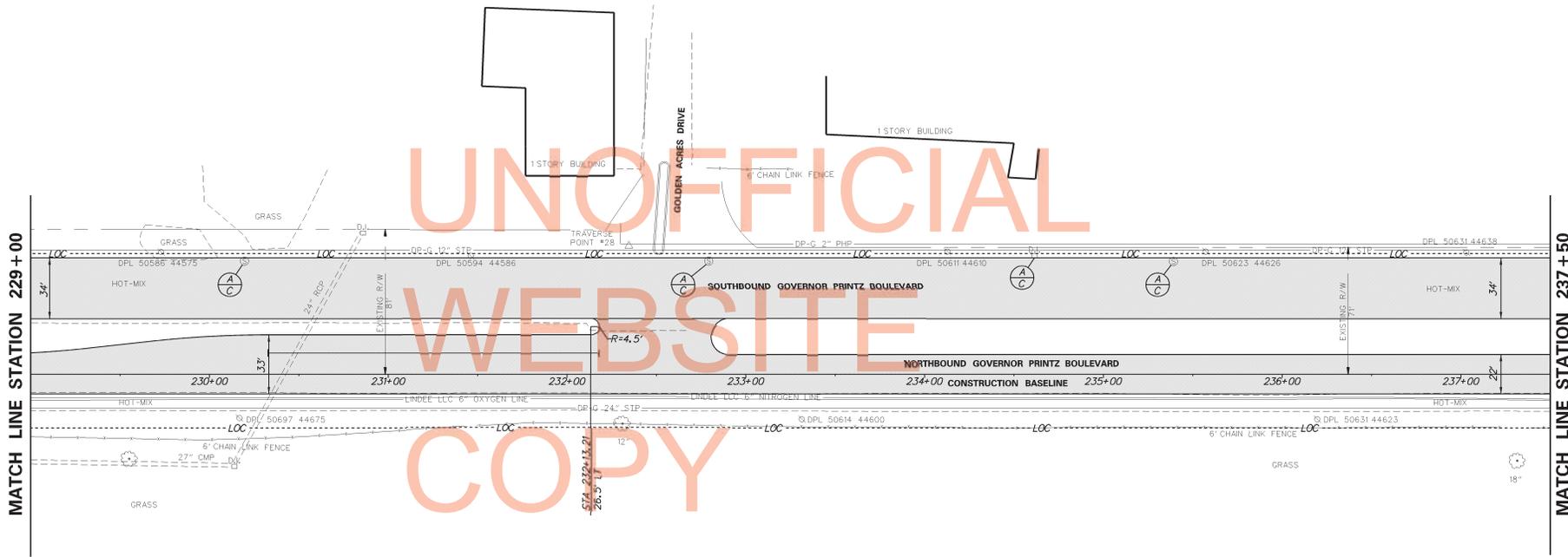
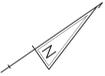
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO.	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	CHECKED BY: DMO

CONSTRUCTION PLAN

SHEET NO. 10
TOTAL SHTS. 59

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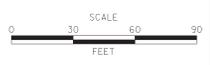
MATCH LINE STATION 229+00

MATCH LINE STATION 237+50

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ADDENDUMS / REVISIONS

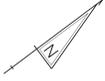


**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

CONTRACT T201404401	BRIDGE NO. 	
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

SHEET NO.	12
TOTAL SHTS.	59

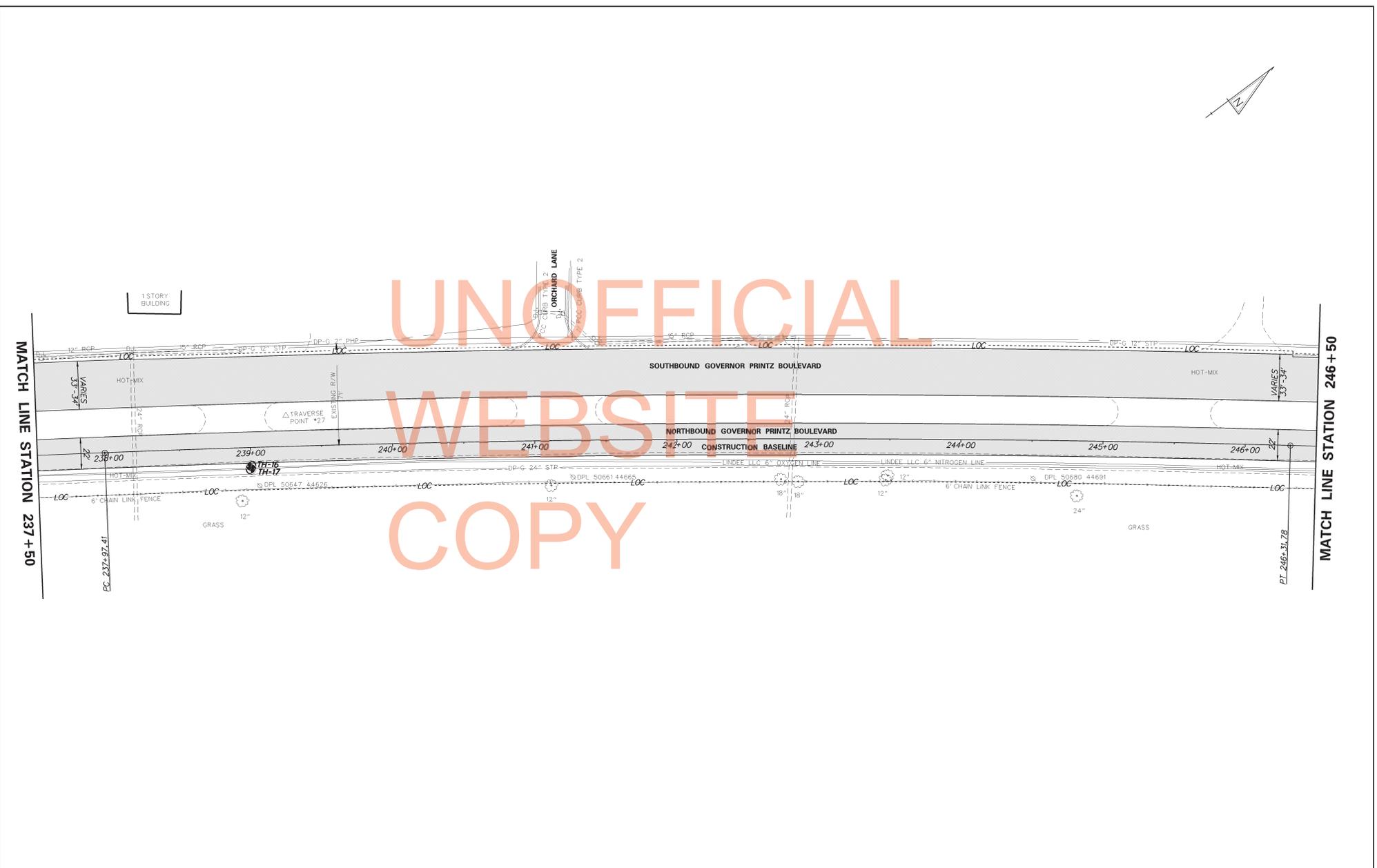
CONSTRUCTION PLAN



MATCH LINE STATION 237 + 50

MATCH LINE STATION 246 + 50

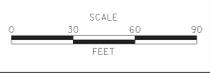
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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

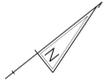


**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

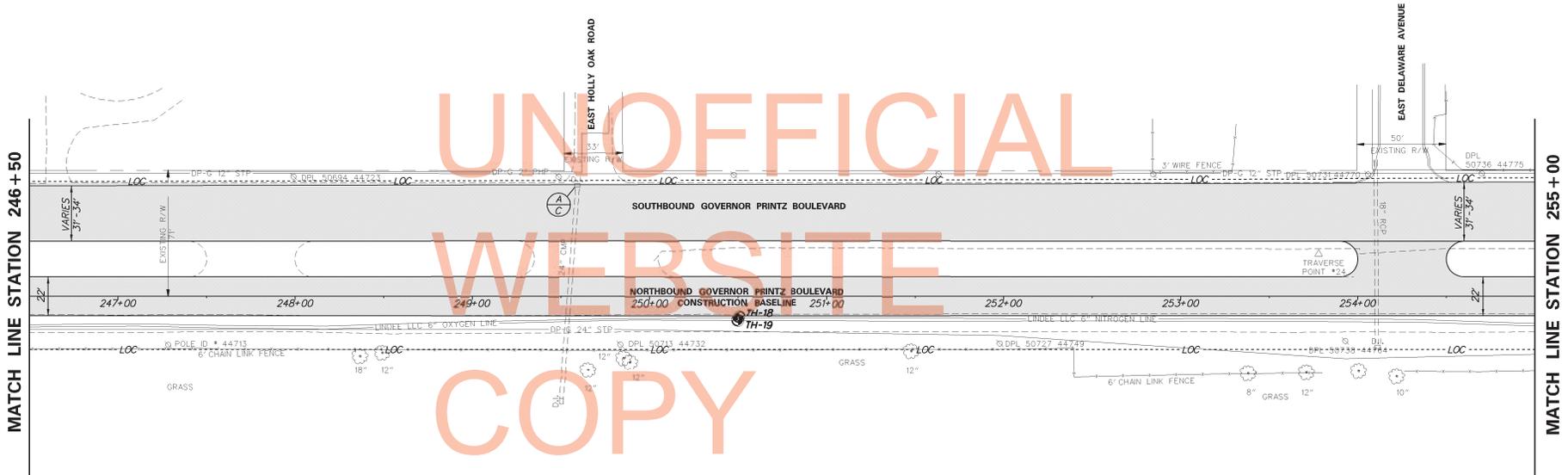
CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY:	BLK
COUNTY	CHECKED BY:	DMO
NEW CASTLE		

CONSTRUCTION PLAN

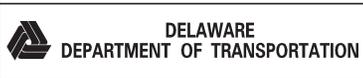
SHEET NO.	13
TOTAL SHTS.	59



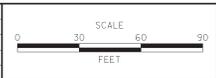
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ADDENDUMS / REVISIONS

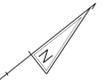


**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	CHECKED BY: DMO

CONSTRUCTION PLAN

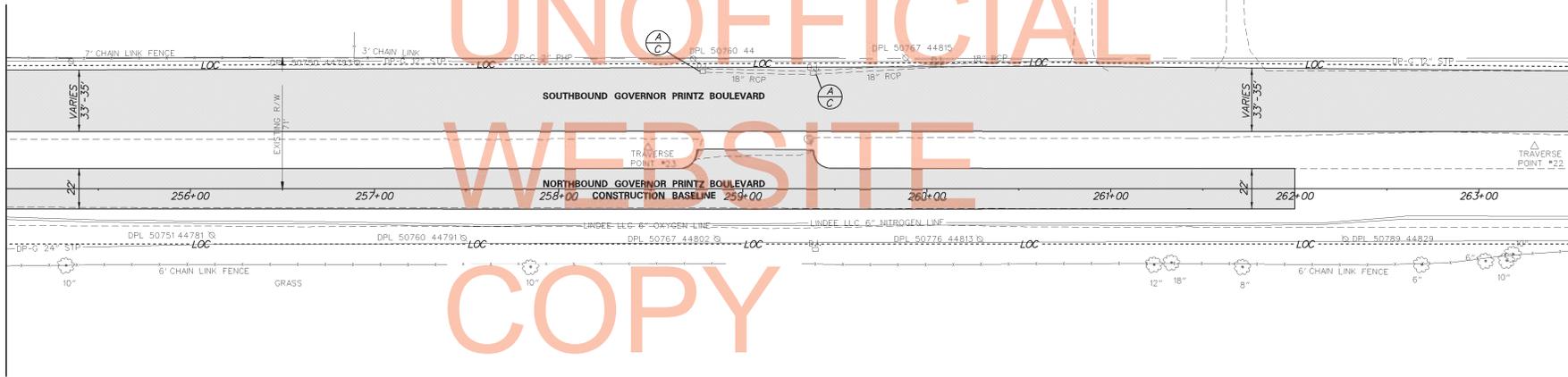
SHEET NO. 14
TOTAL SHTS. 59



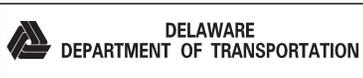
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WEBSITE
COPY

MATCH LINE STATION 255 + 00

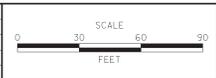
MATCH LINE STATION 263 + 50



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ADDENDUMS / REVISIONS	

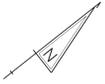


**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

CONSTRUCTION PLAN

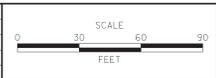
SHEET NO. 15
TOTAL SHTS. 59



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ADDENDUMS / REVISIONS

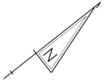


**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

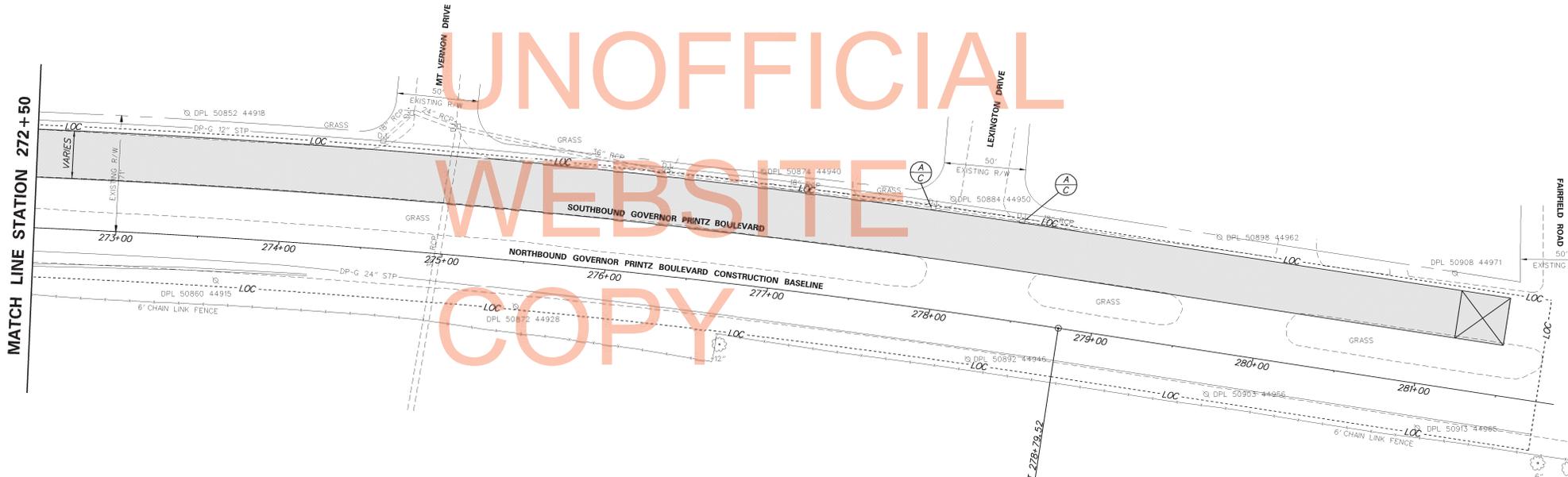
CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	CHECKED BY: DMG

CONSTRUCTION PLAN
SHEET NO. 16
TOTAL SHTS. 59

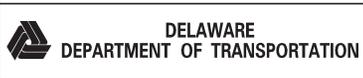
WWW.SURVEILLANCEPROJECTS.COM



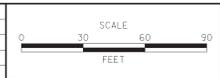
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ADDENDUMS / REVISIONS



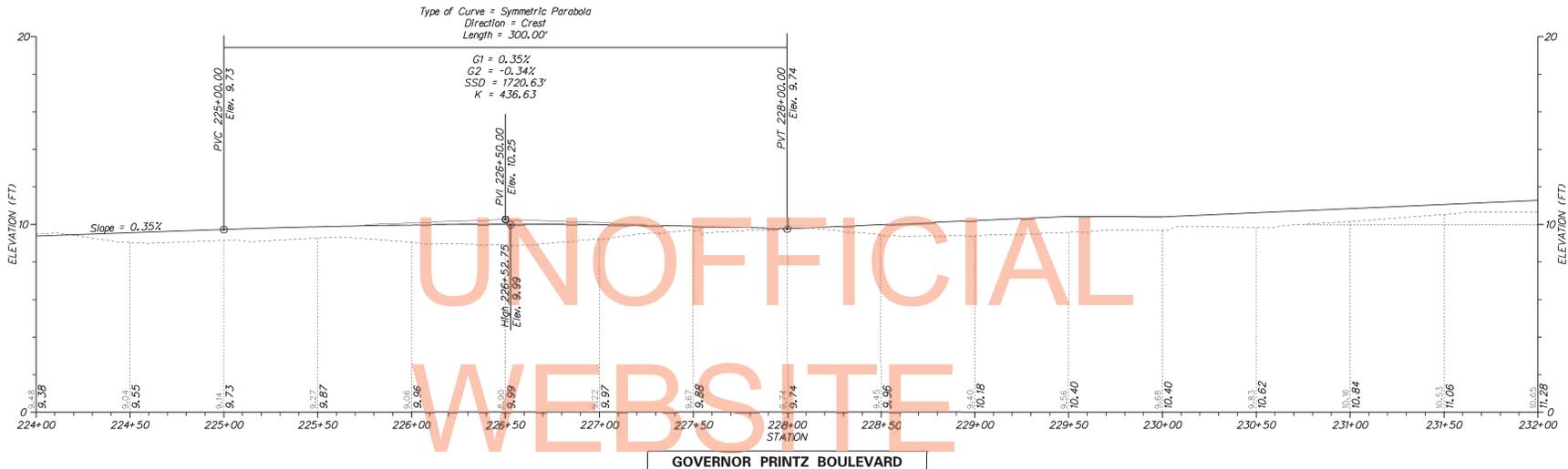
**GOVERNOR PRINTZ BOULEVARD
RESTORATION**

CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMO	
NEW CASTLE		

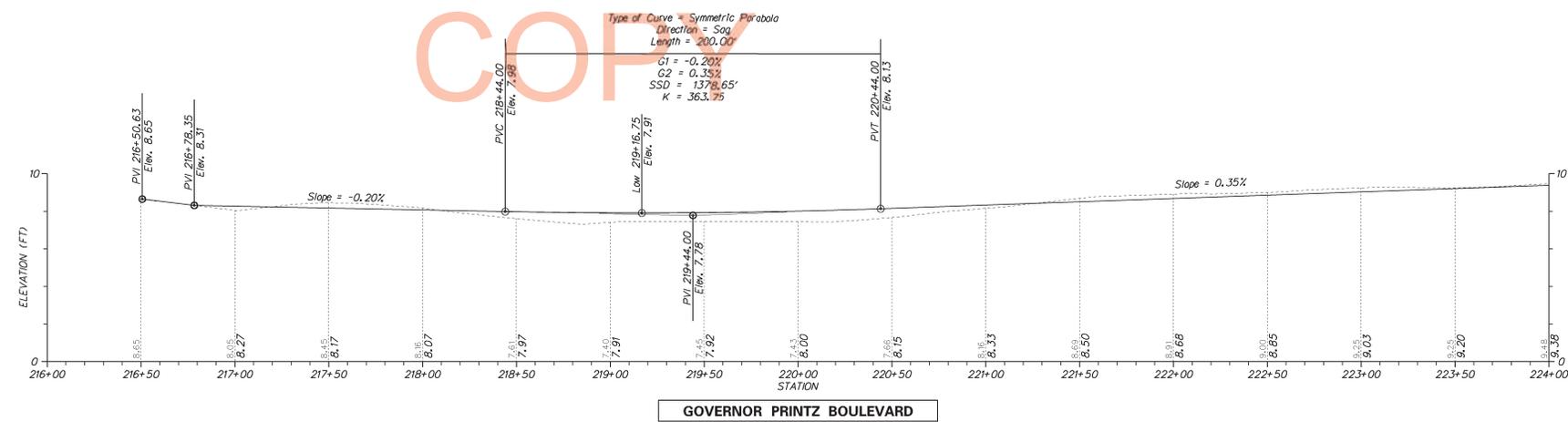
CONSTRUCTION PLAN

SHEET NO.	17
TOTAL SHTS.	59

*THE PROFILE SHOWN IS APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. THE CONTRACTOR WILL ESTABLISH THE EXISTING AND PROPOSED PROFILE IN THE FIELD AS NEEDED. THIS WORK WILL NOT BE PAID FOR DIRECTLY. IT WILL BE INCIDENTAL TO ITEM *76.3501 CONSTRUCTION ENGINEERING.



GOVERNOR PRINTZ BOULEVARD



GOVERNOR PRINTZ BOULEVARD

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ADDENDUMS / REVISIONS



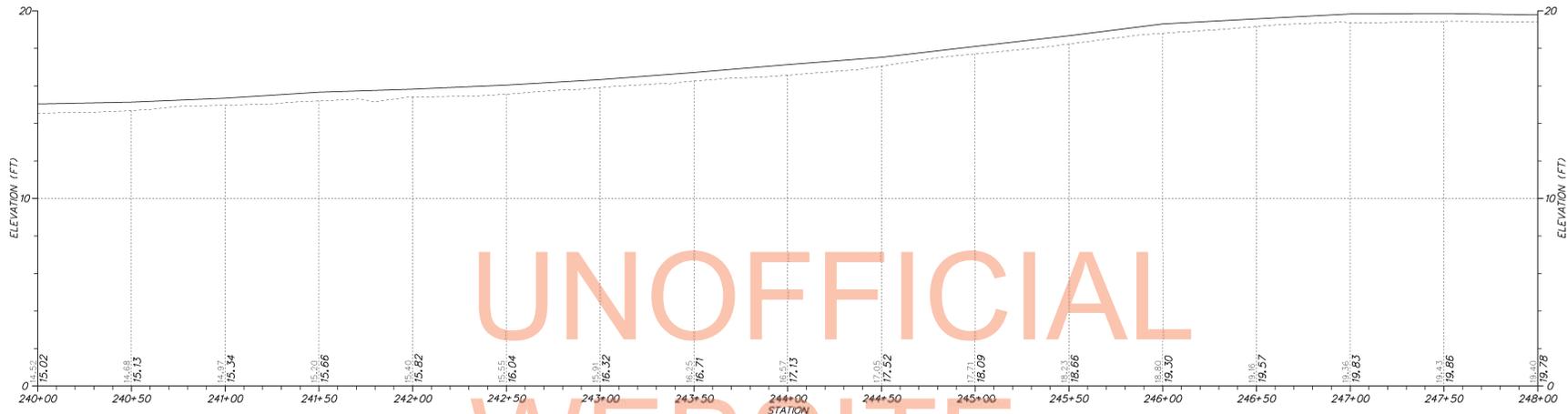
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

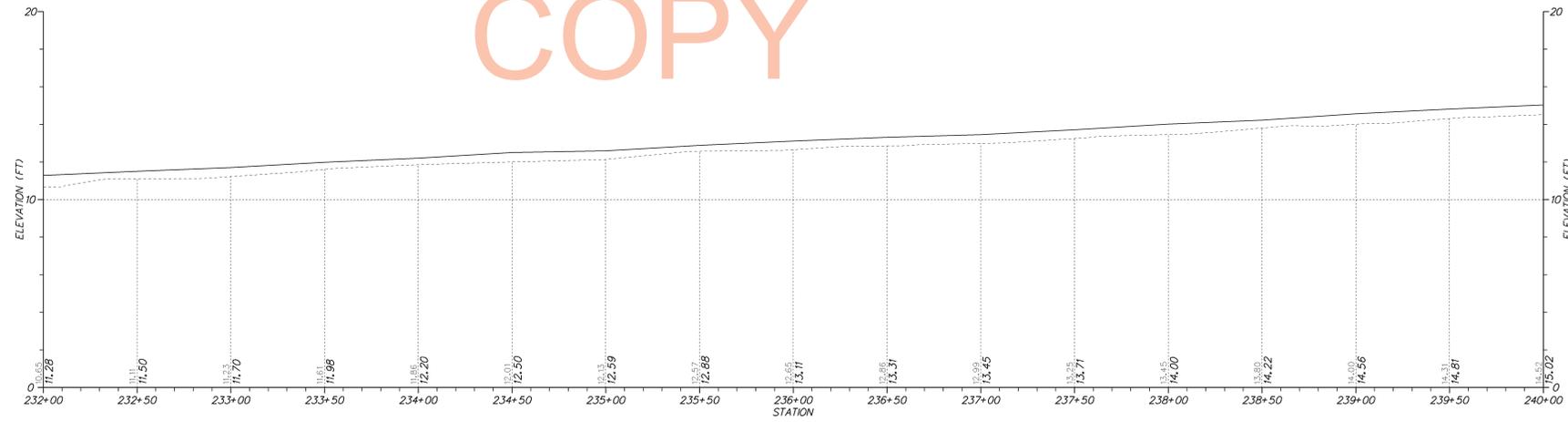
PROFILES

SHEET NO.	18
TOTAL SHTS.	59

•THE PROFILE SHOWN IS APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. THE CONTRACTOR WILL ESTABLISH THE EXISTING AND PROPOSED PROFILE IN THE FIELD AS NEEDED. THIS WORK WILL NOT BE PAID FOR DIRECTLY. IT WILL BE INCIDENTAL TO ITEM *763501 CONSTRUCTION ENGINEERING.



GOVERNOR PRINTZ BOULEVARD



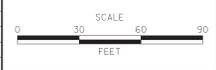
GOVERNOR PRINTZ BOULEVARD

•THE PROFILE SHOWN IS APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. THE CONTRACTOR WILL ESTABLISH THE EXISTING AND PROPOSED PROFILE IN THE FIELD AS NEEDED. THIS WORK WILL NOT BE PAID FOR DIRECTLY. IT WILL BE INCIDENTAL TO ITEM *763501 CONSTRUCTION ENGINEERING.

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ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

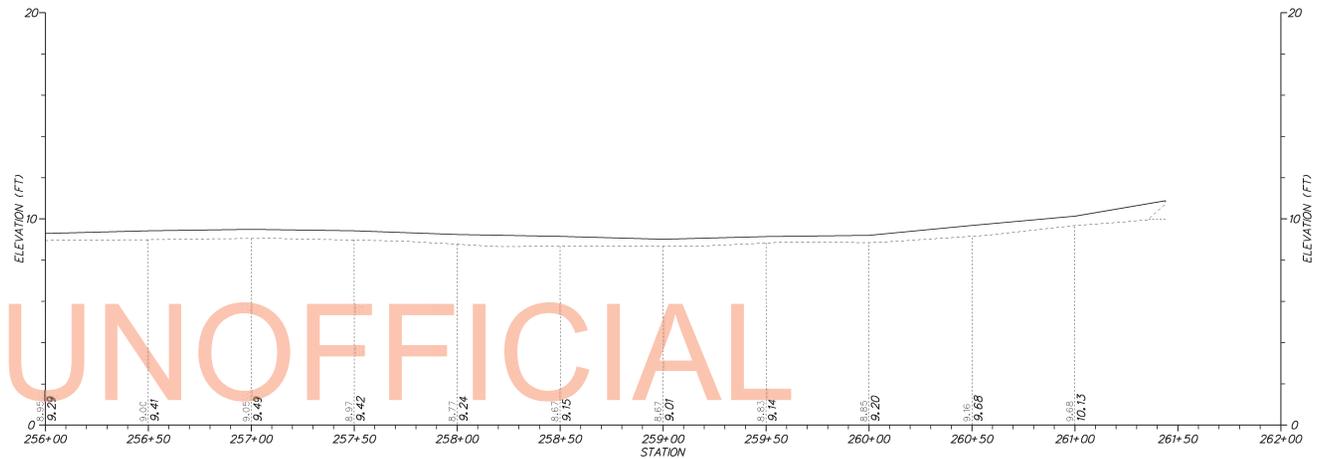
CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

PROFILES

SHEET NO.	19
TOTAL SHTS.	59

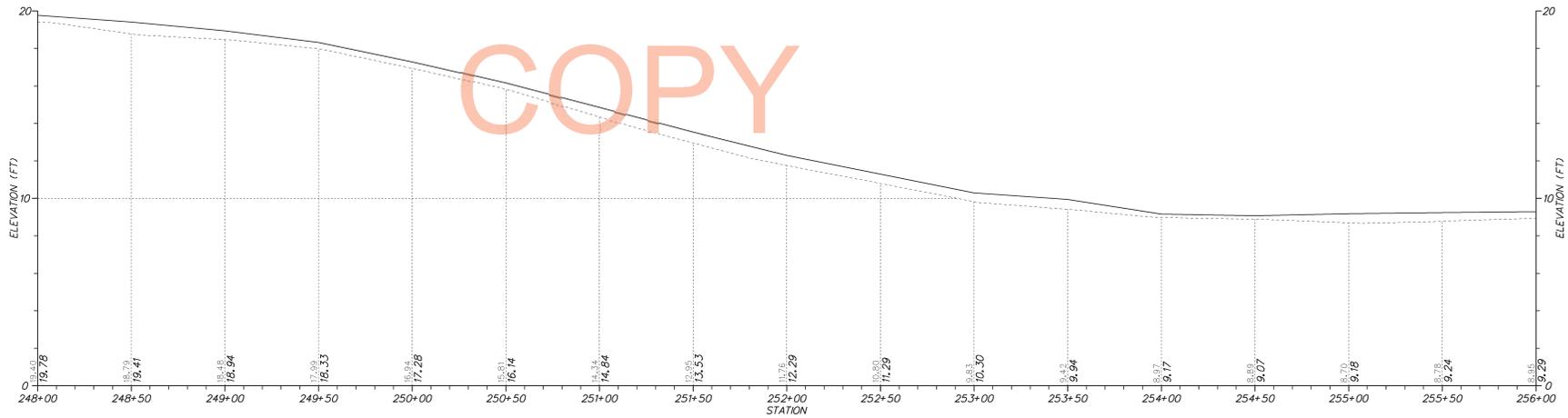
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*THE PROFILE SHOWN IS APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. THE CONTRACTOR WILL ESTABLISH THE EXISTING AND PROPOSED PROFILE IN THE FIELD AS NEEDED. THIS WORK WILL NOT BE PAID FOR DIRECTLY. IT WILL BE INCIDENTAL TO ITEM *763501 CONSTRUCTION ENGINEERING.



GOVERNOR PRINTZ BOULEVARD

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GOVERNOR PRINTZ BOULEVARD

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ADDENDUMS / REVISIONS



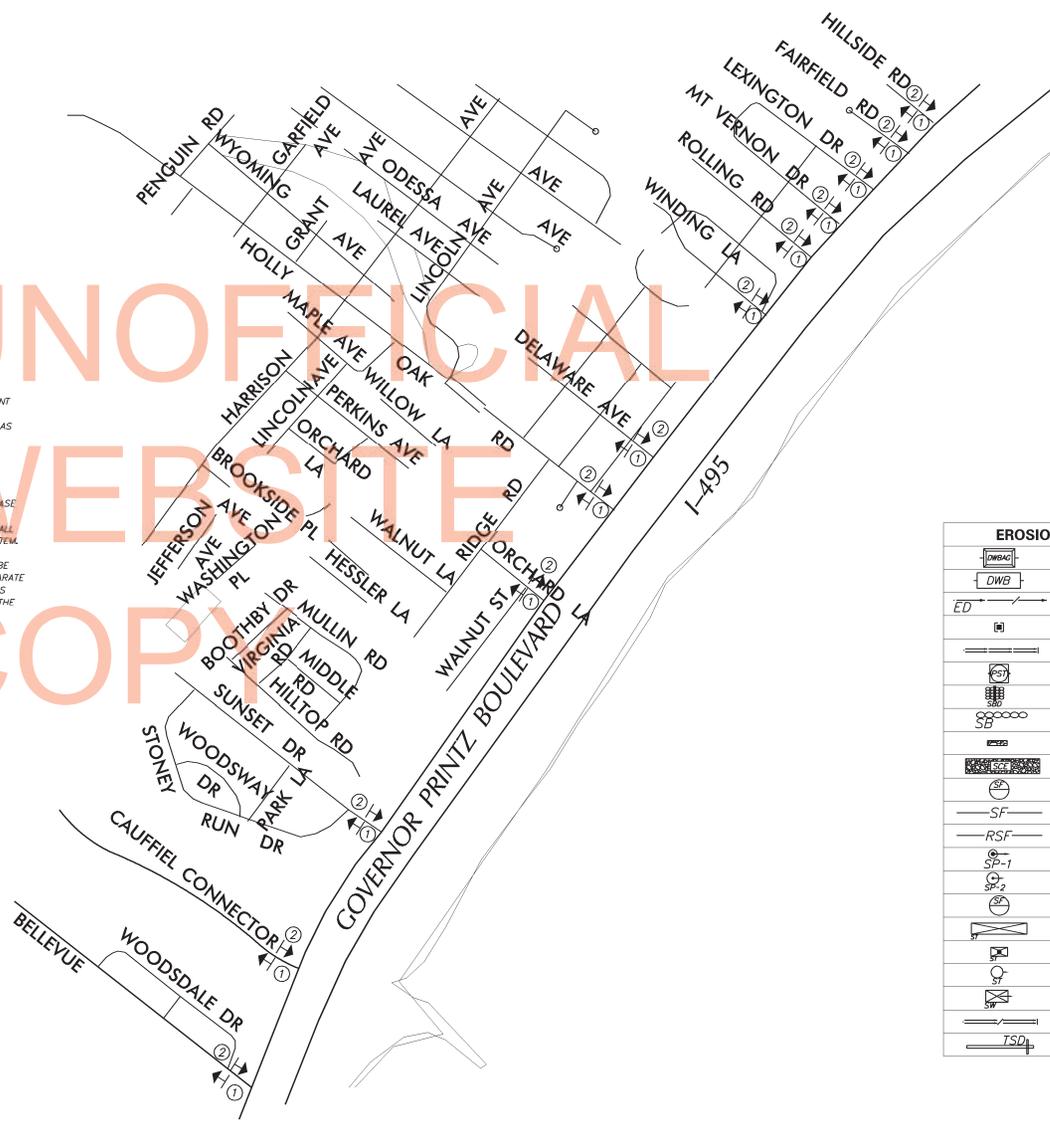
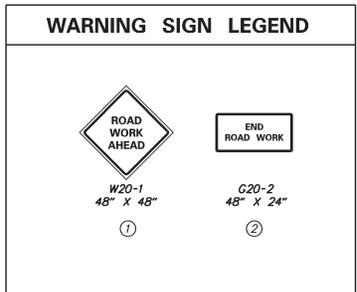
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	IVA
T201404401	DESIGNED BY:	BLK
COUNTY	CHECKED BY:	DMO
NEW CASTLE		

PROFILES



SHEET NO.	20
TOTAL SHTS.	59



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- NOTES**
1. A TYPE II TRUCK MOUNTED ATTENUATOR (TMA) SHALL BE REQUIRED ON THIS PROJECT DURING THE FOLLOWING PAVEMENT 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 OF THE DELAWARE MUTCD.
 2. LONGITUDINAL EDGE DROP-OFFS SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 66-1 OF THE DELAWARE MUTCD.
 - a) WHERE PLACEMENT OF A WEDGE/FILLET BETWEEN TRAVEL LANES AND A PAVEMENT BOX IS REQUIRED, APPROVED BASE COURSE MATERIAL SHALL BE USED FOR THE FILLET MATERIAL. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 66-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE ITEM.
 - b) WHERE PLACEMENT OF A WEDGE/FILLET AT THE EDGE OF THE ROADWAY IS REQUIRED, PAVEMENT MILLINGS SHALL BE USED FOR THE FILLET MATERIAL. PAYMENT FOR PAVEMENT MILLINGS SHALL BE INCIDENTAL TO ITEM 743000. NO SEPARATE PAYMENT SHALL BE MADE FOR PAVEMENT MILLINGS TO CORRECT PAVEMENT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY USED AS PART OF A PERMANENT ROADWAY, AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT BID ITEM.

EROSION & SEDIMENT CONTROL	
	DEWATERING BAG
	DEWATERING BASIN
	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
	PORTABLE SEDIMENT TANK
	SANDBAG DIKE
	SANDBAG DIVERSION
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE / LENGTH
	SILT FENCE
	SILT FENCE - REINFORCED
	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

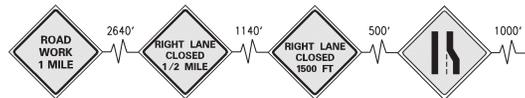
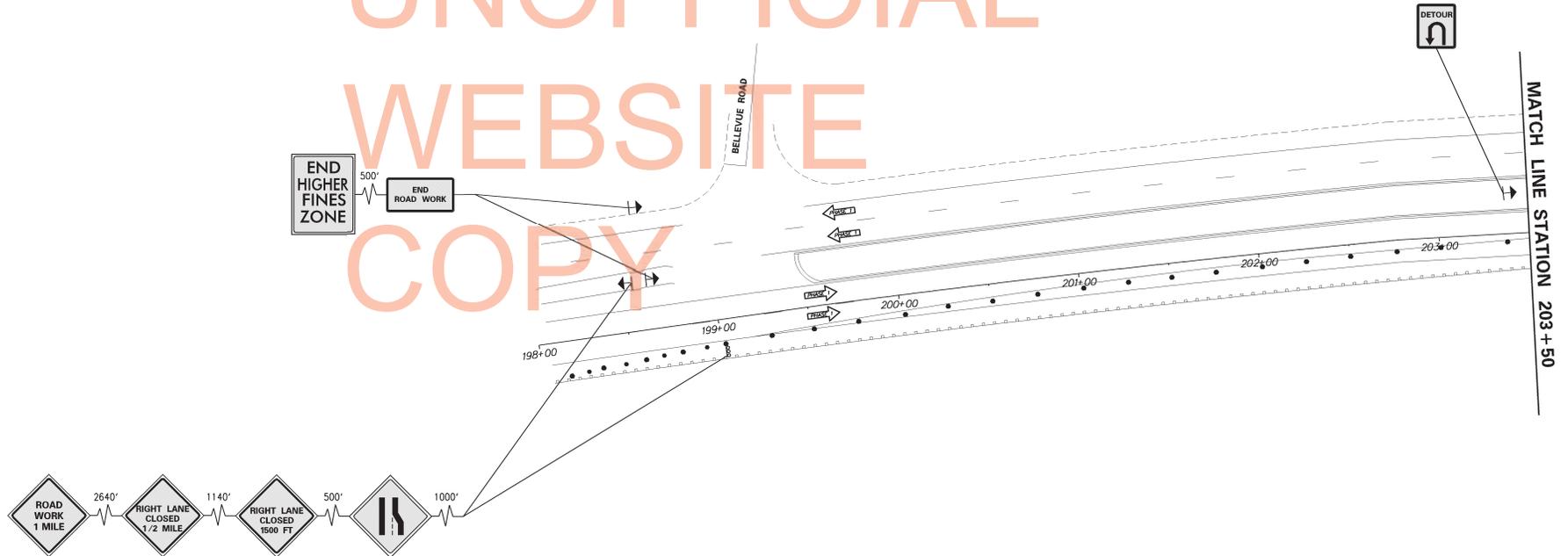
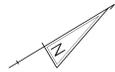
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<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	NOT TO SCALE	GOVERNOR PRINTZ BOULEVARD RESTORATION	CONTRACT	BRIDGE NO.	NA	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SHEET NO.	21	
					T201404401	DESIGNED BY: BLK			TOTAL SHTS:	59
					NEW CASTLE	CHECKED BY: DMO				

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

CONSTRUCTION PHASING NOTES	
PHASE 1	
1.	INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
2.	INSTALL EROSION AND SEDIMENT CONTROL, INCLUDING INLET PROTECTION ON ALL INLETS IN THE PROJECT LIMITS.
3.	GRADE AND BOX OUT FOR PROPOSED PAVEMENT. CONSTRUCT PAVEMENT BOX.
4.	OVERLAY EXISTING CONCRETE SECTION APPROXIMATELY STA 232+18 TO STA 262+00.
5.	STABILIZE ALL DISTURBED AREAS WITH TOPSOIL AND SEEDING.
6.	REMOVE TEMPORARY PAVEMENT STRIPING. PLACE PERMANENT PAVEMENT STRIPING ON NORTHBOUND GOVERNOR PRINTZ BOULEVARD.
7.	REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED.

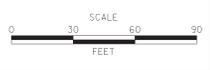
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WEBSITE
COPY



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ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY:	BLK
COUNTY	CHECKED BY:	DMO
NEW CASTLE		

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

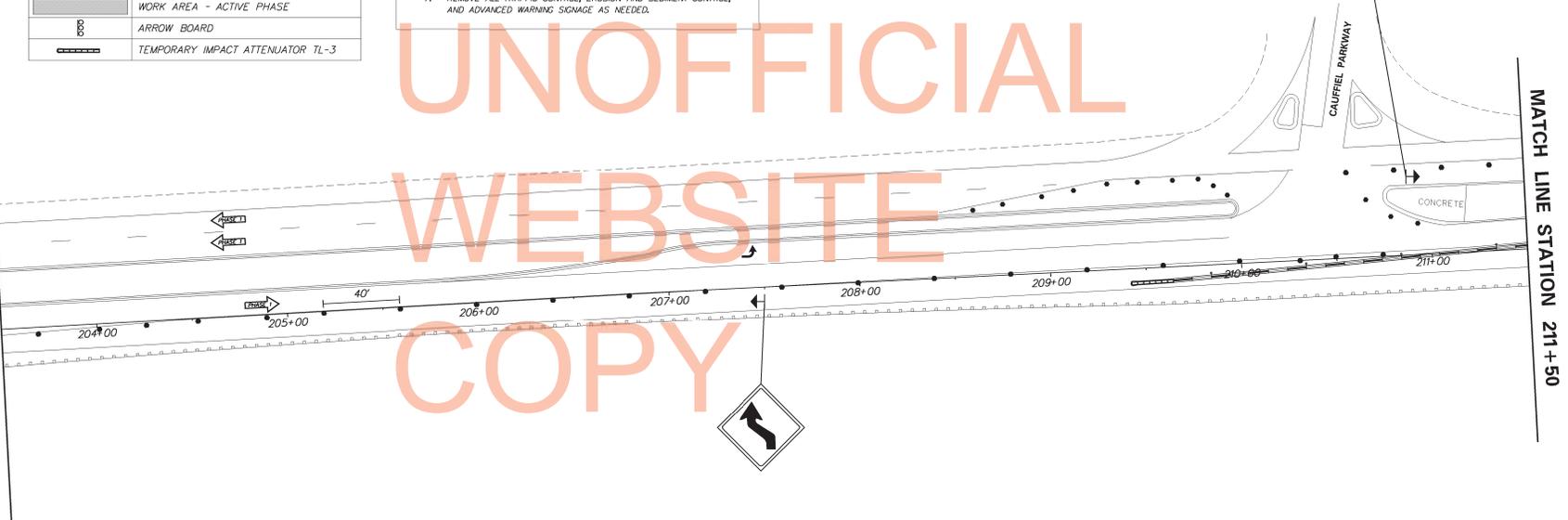
SHEET NO.	22
TOTAL SHTS.	59

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

- CONSTRUCTION PHASING NOTES**
- PHASE 1
1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
 2. INSTALL EROSION AND SEDIMENT CONTROL, INCLUDING INLET PROTECTION ON ALL INLETS IN THE PROJECT LIMITS.
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 5. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL AND SEEDING.
 6. REMOVE TEMPORARY PAVEMENT STRIPING. PLACE PERMANENT PAVEMENT STRIPING ON NORTHBOUND GOVERNOR PRINTZ BOULEVARD.
 7. REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED.

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MATCH LINE STATION 203 + 50



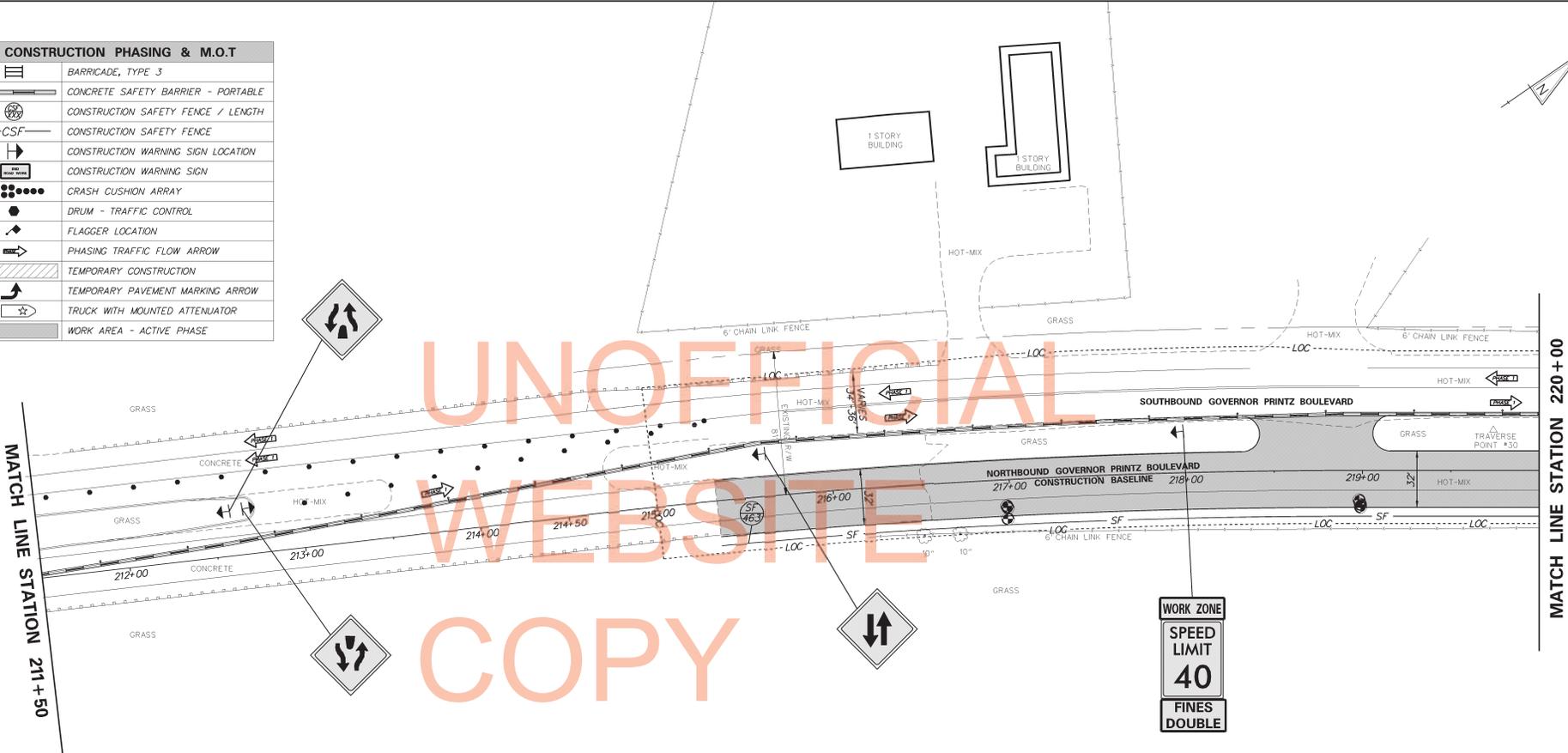
ADDENDUMS / REVISIONS



CONTRACT T201404401	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: BLK
	CHECKED BY: DMO

SHEET NO.	23
TOTAL SHTS.	59

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

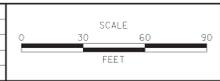


- CONSTRUCTION PHASING NOTES**
- PHASE 1
1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
 2. INSTALL EROSION AND SEDIMENT CONTROL, INCLUDING INLET PROTECTION ON ALL INLETS IN THE PROJECT LIMITS.
 3. GRADE AND BOX OUT FOR PROPOSED PAVEMENT. CONSTRUCT PAVEMENT BOX.
 4. OVERLAY EXISTING CONCRETE SECTION APPROXIMATELY STA 232+18 TO STA 262+00.
 5. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL AND SEEDING.
 6. PLACE PERMANENT PAVEMENT STRIPING.
 7. REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIER.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



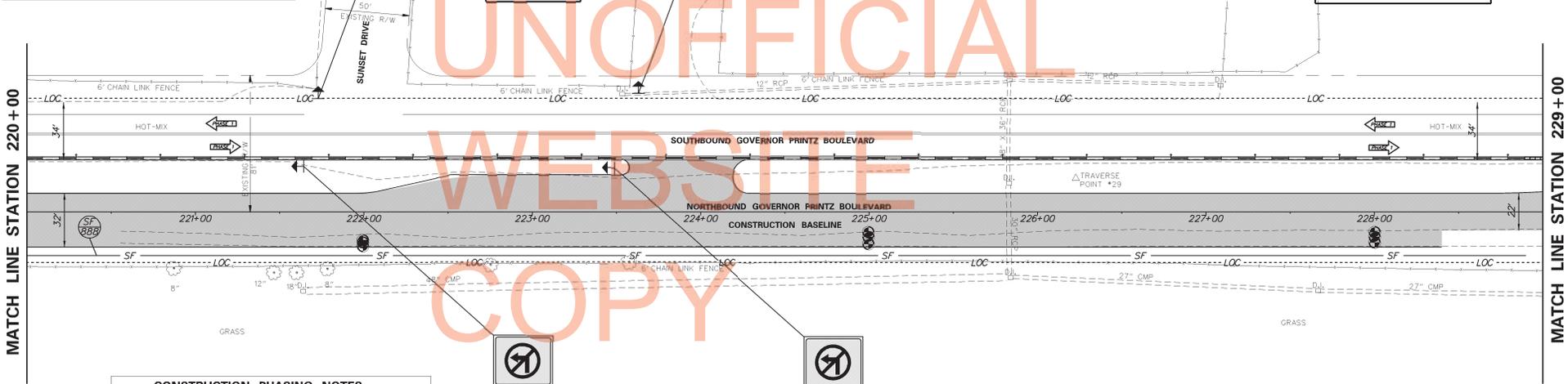
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO. 	IVA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMO	

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

SHEET NO.	24
TOTAL SHTS.	59

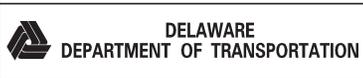
CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW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



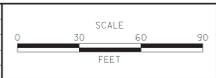
- CONSTRUCTION PHASING NOTES**
- PHASE 1
1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
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 7. REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIER.

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ADDENDUMS / REVISIONS



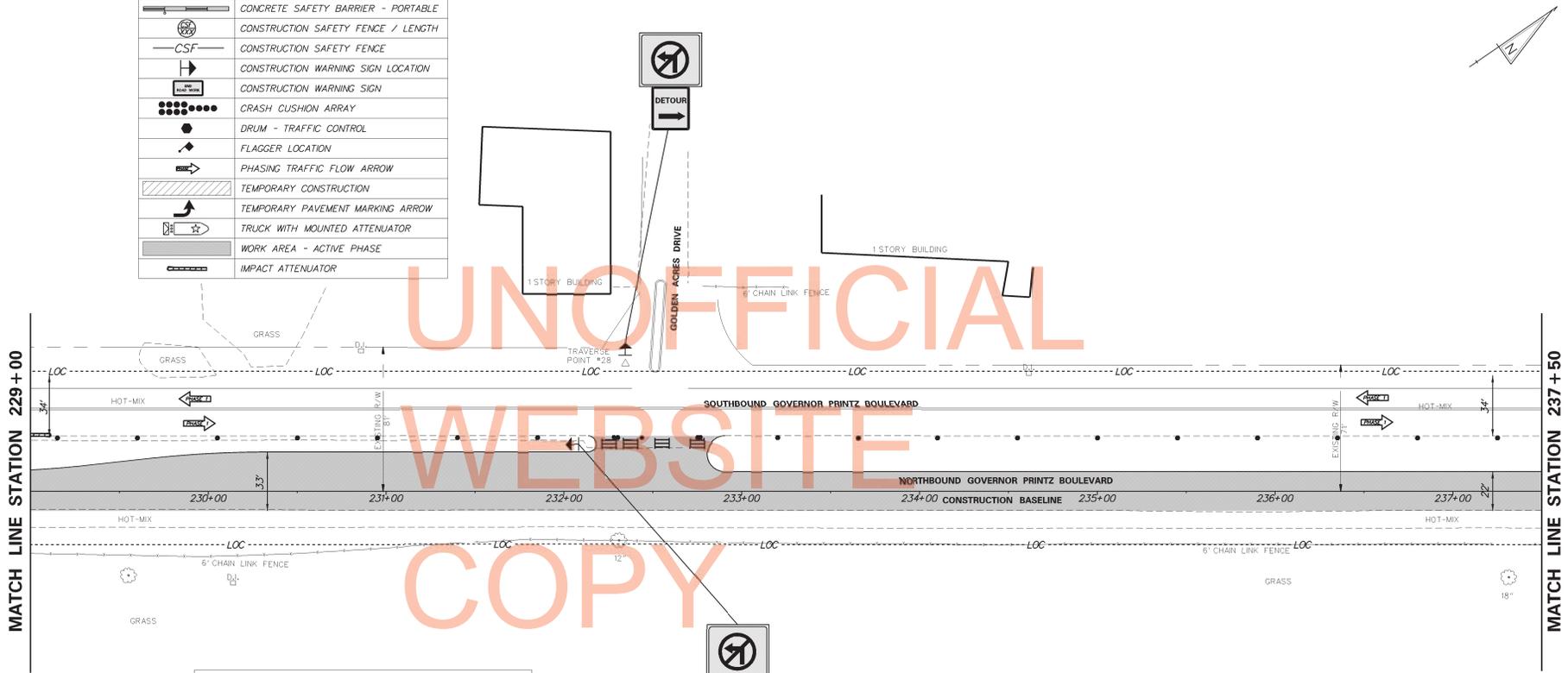
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO. 	NA
COUNTY NEW CASTLE	DESIGNED BY: BLK	
	CHECKED BY: DMG	

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

SHEET NO.	25
TOTAL SHTS.	59

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



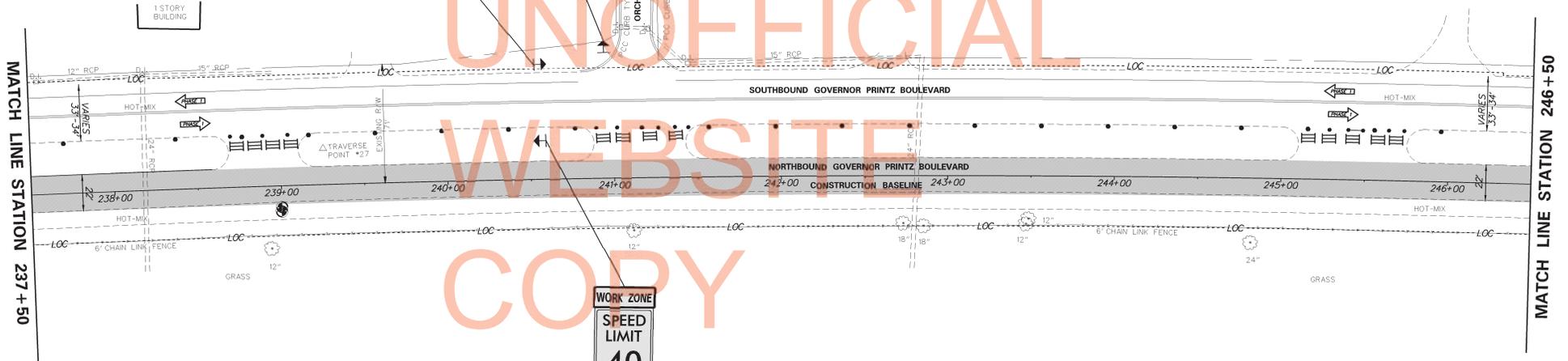
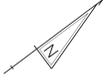
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WEBSITE
COPY

- CONSTRUCTION PHASING NOTES**
- PHASE 1
- INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE 1A-10 OR 1A-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
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 - PLACE PERMANENT PAVEMENT STRIPING.
 - REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIERS.

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<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	<p>SCALE</p> <p>FEET</p>	<p>GOVERNOR PRINTZ BOULEVARD RESTORATION</p>	CONTRACT	BRIDGE NO.	NA	<p>CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1</p>	SHEET NO.
					T201404401	DESIGNED BY: BLK		26
					NEW CASTLE	CHECKED BY: DMG		TOTAL SHTS:
								59

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



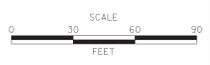
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WEBSITE
COPY

- CONSTRUCTION PHASING NOTES**
- PHASE 1
- INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
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 - PLACE PERMANENT PAVEMENT STRIPING.
 - REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIER.

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ADDENDUMS / REVISIONS



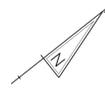
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT T201404401	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: BLK
	CHECKED BY: DMO

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

SHEET NO. 27
TOTAL SHTS. 59

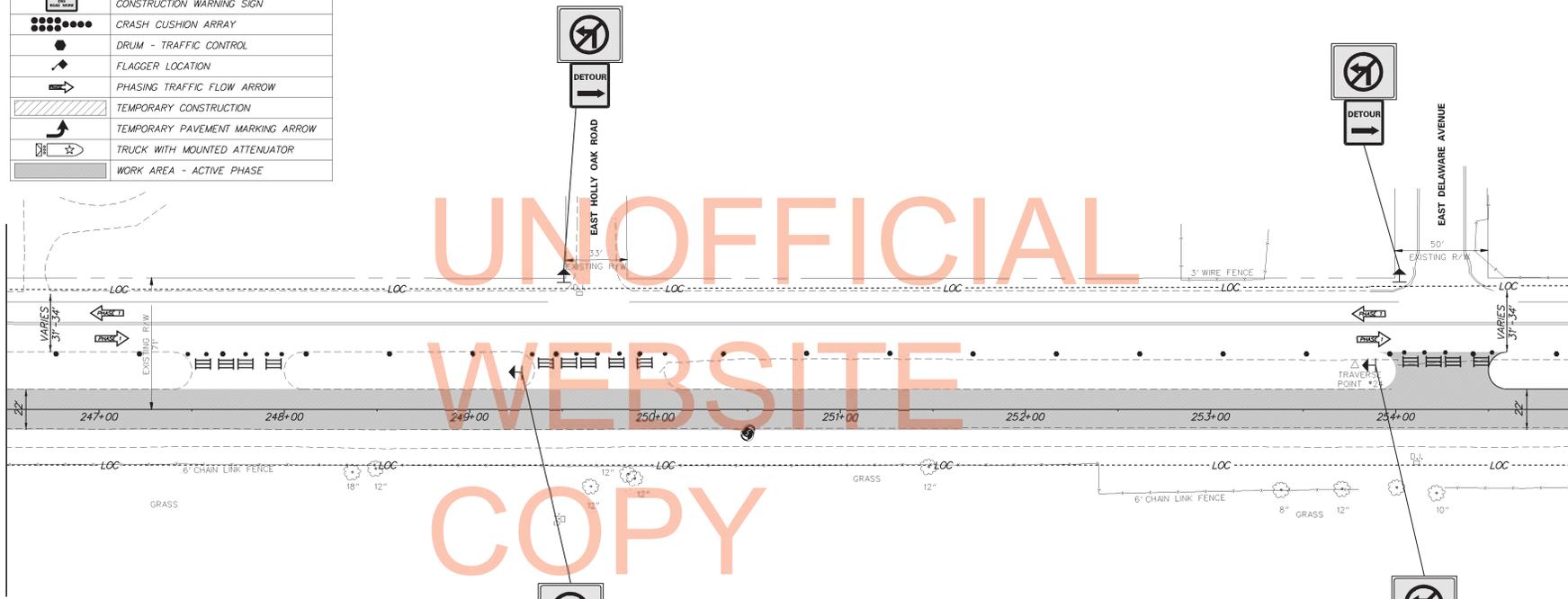
CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW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



MATCH LINE STATION 246 + 50

MATCH LINE STATION 255 + 00

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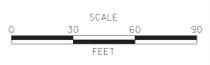


CONSTRUCTION PHASING NOTES
PHASE 1
1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE 1A-10 OR 1A-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
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7. REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIER.

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ADDENDUMS / REVISIONS



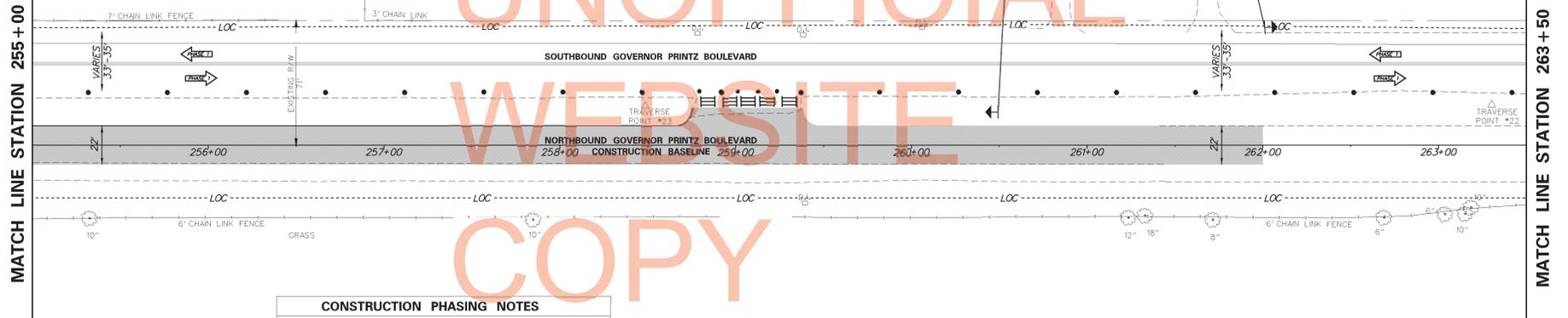
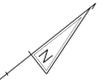
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	IVA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMO	
NEW CASTLE		

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

SHEET NO.	28
TOTAL SHTS.	59

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



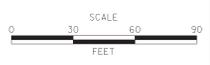
- CONSTRUCTION PHASING NOTES**
- PHASE 1
1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
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ADDENDUMS / REVISIONS



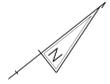
GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	NA
T201404401	DESIGNED BY: BLK	
COUNTY	CHECKED BY: DMO	
NEW CASTLE		

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

SHEET NO.	29
TOTAL SHTS.	59

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



MATCH LINE STATION 263+50

MATCH LINE STATION 272+50

UNOFFICIAL
WEBSITE
COPY



CONSTRUCTION PHASING NOTES

PHASE 1

1. INSTALL MAINTENANCE OF TRAFFIC AND ADVANCED SIGNAGE AS SHOWN ON THE PLANS UTILIZING THE EXISTING LANE CONFIGURATION. UTILIZE EXISTING TEMPORARY PAVEMENT STRIPING. USE TA-10 OR TA-11B WHEN WORKING ON THE MEDIAN CROSSOVER TIE-INS.
2. INSTALL EROSION AND SEDIMENT CONTROL, INCLUDING INLET PROTECTION ON ALL INLETS IN THE PROJECT LIMITS.
3. GRADE AND BOX OUT FOR PROPOSED PAVEMENT. CONSTRUCT PAVEMENT BOX.
4. OVERLAY EXISTING CONCRETE SECTION APPROXIMATELY STA 232+18 TO STA 262+00.
5. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL AND SEEDING.
6. PLACE PERMANENT PAVEMENT STRIPING.
7. REMOVE ALL TRAFFIC CONTROL, EROSION AND SEDIMENT CONTROL, AND ADVANCED WARNING SIGNAGE AS NEEDED. REMOVE TEMPORARY BARRIER.

ADDENDUMS / REVISIONS



GOVERNOR PRINTZ BOULEVARD RESTORATION

CONTRACT	BRIDGE NO.	N/A
T201404401	DESIGNED BY:	BLK
COUNTY	CHECKED BY:	DMO
NEW CASTLE		

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

SHEET NO.	30
TOTAL SHTS.	59

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