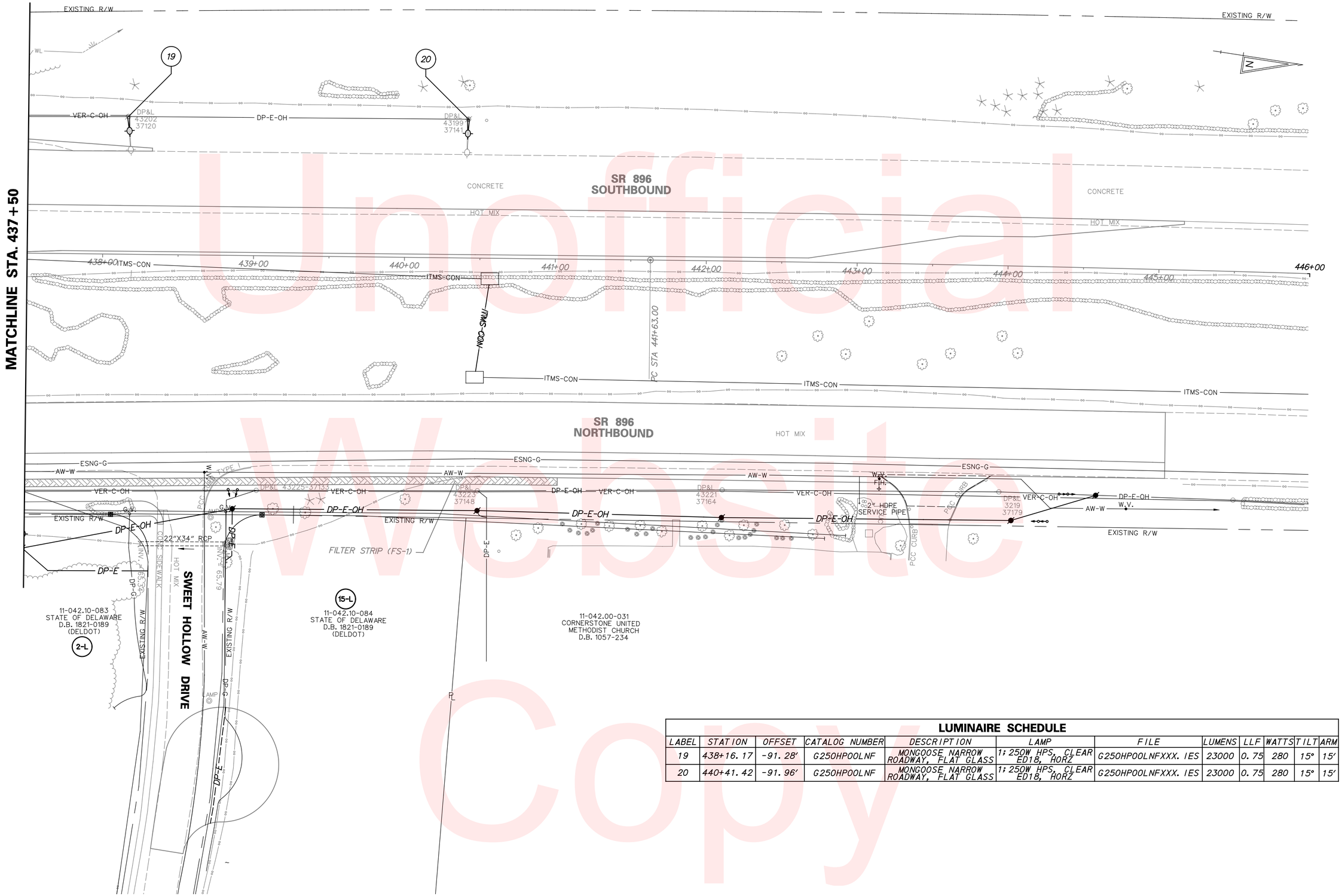

LUMINAIRE SCHEDULE

LABEL	STATION	OFFSET	CATALOG NUMBER	DESCRIPTION	LAMP	FILE	LUMENS	LLF	WATTS	TILT	ARM
19	438+16.17	-91.28'	G250HP00LNF	MONGOOSE NARROW ROADWAY, FLAT GLASS	1: 250W HPS, CLEAR ED18, HORZ	G250HP00LNFXXX.IES	23000	0.75	280	15°	15'
20	440+41.42	-91.96'	G250HP00LNF	MONGOOSE NARROW ROADWAY, FLAT GLASS	1: 250W HPS, CLEAR ED18, HORZ	G250HP00LNFXXX.IES	23000	0.75	280	15°	15'

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

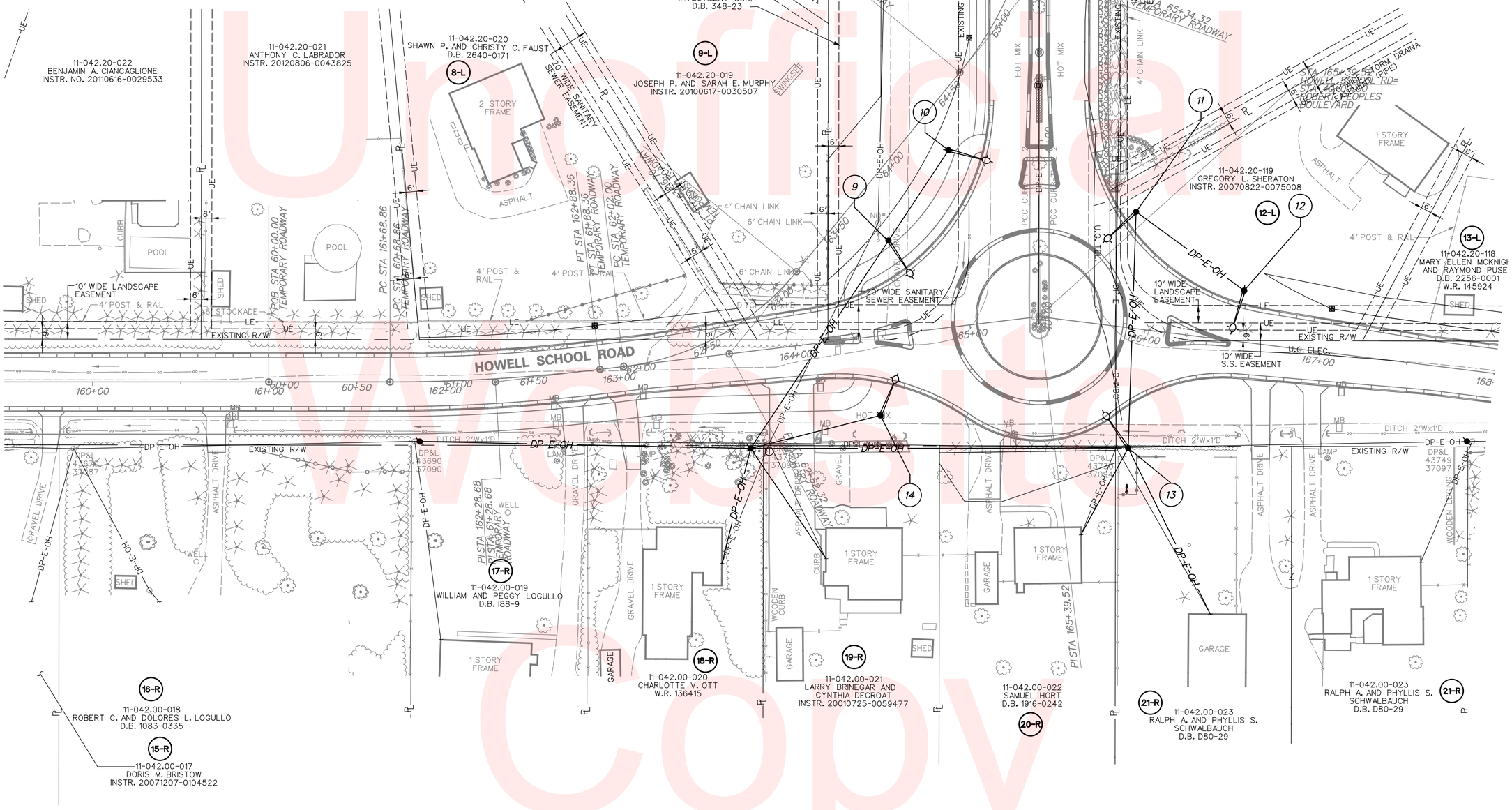
LIGHTING PLANS

SHEET NO. 114

TOTAL SHTS. 138

LUMINAIRE SCHEDULE

LABEL	STATION	OFFSET	CATALOG NUMBER	DESCRIPTION	LAMP	FILE	LUMENS	LLF	WATTS	ARM
9	164+59.75	53.08'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'
10	164+99.77	99.93'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'
11	165+86.86	65.87'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'
12	166+53.29	29.07'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'
13	165+99.00	67.79'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'
14	164+43.39	44.96'	M*RL40S****RMC2	M-250	1: 250W HPS, CLEAR ED18, HORZ	GE451014.IES	23000	0.75	280	8'



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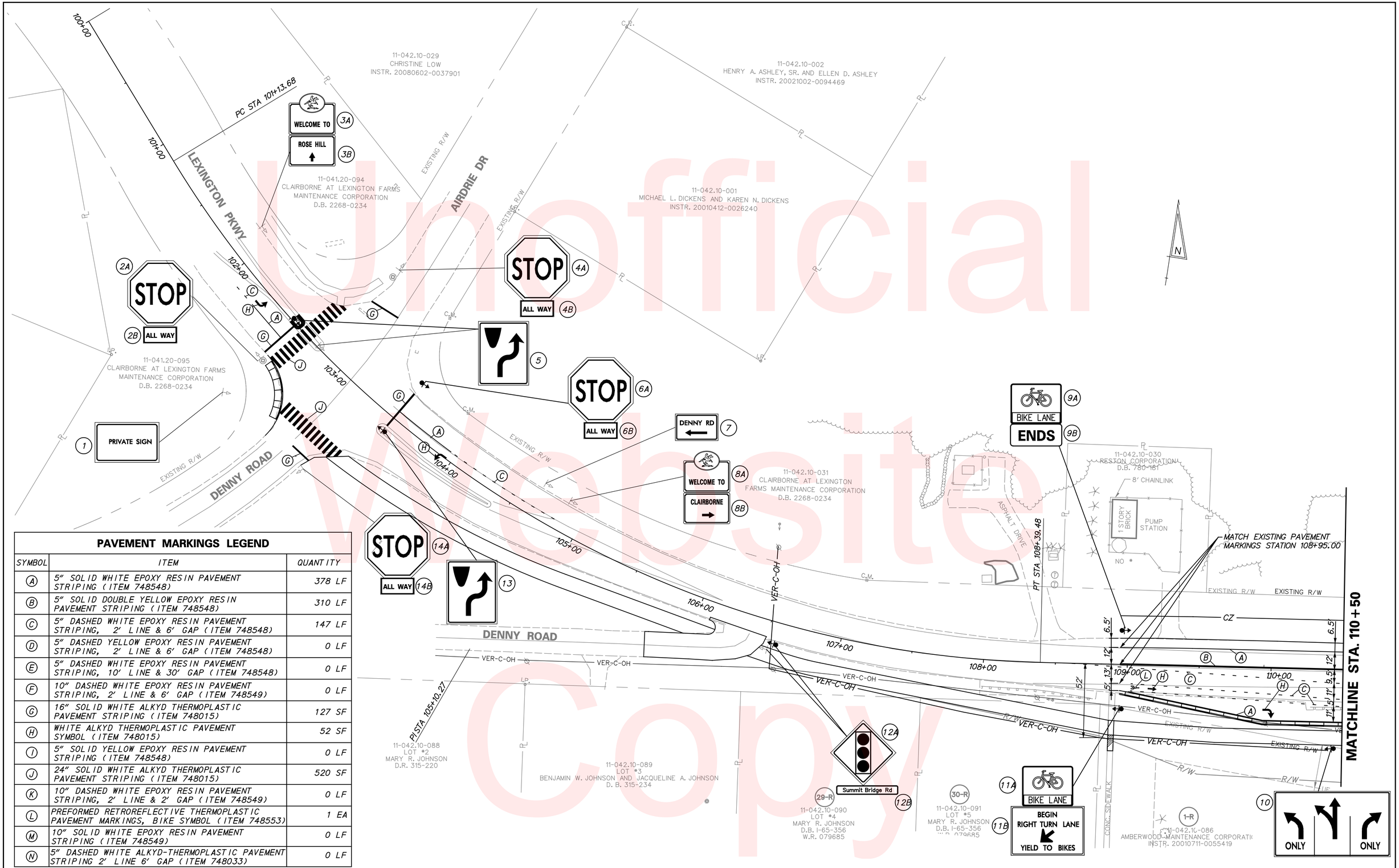
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71	CONTRACT T200504110	BRIDGE NO. BR 1-376 & 1-378	LIGHTING PLANS	SHEET NO. 115
				COUNTY NEW CASTLE	DESIGNED BY: RMG		TOTAL SHTS. 138
					CHECKED BY: PAH		



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	378 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	310 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	147 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	127 SF
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	52 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	520 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	1 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

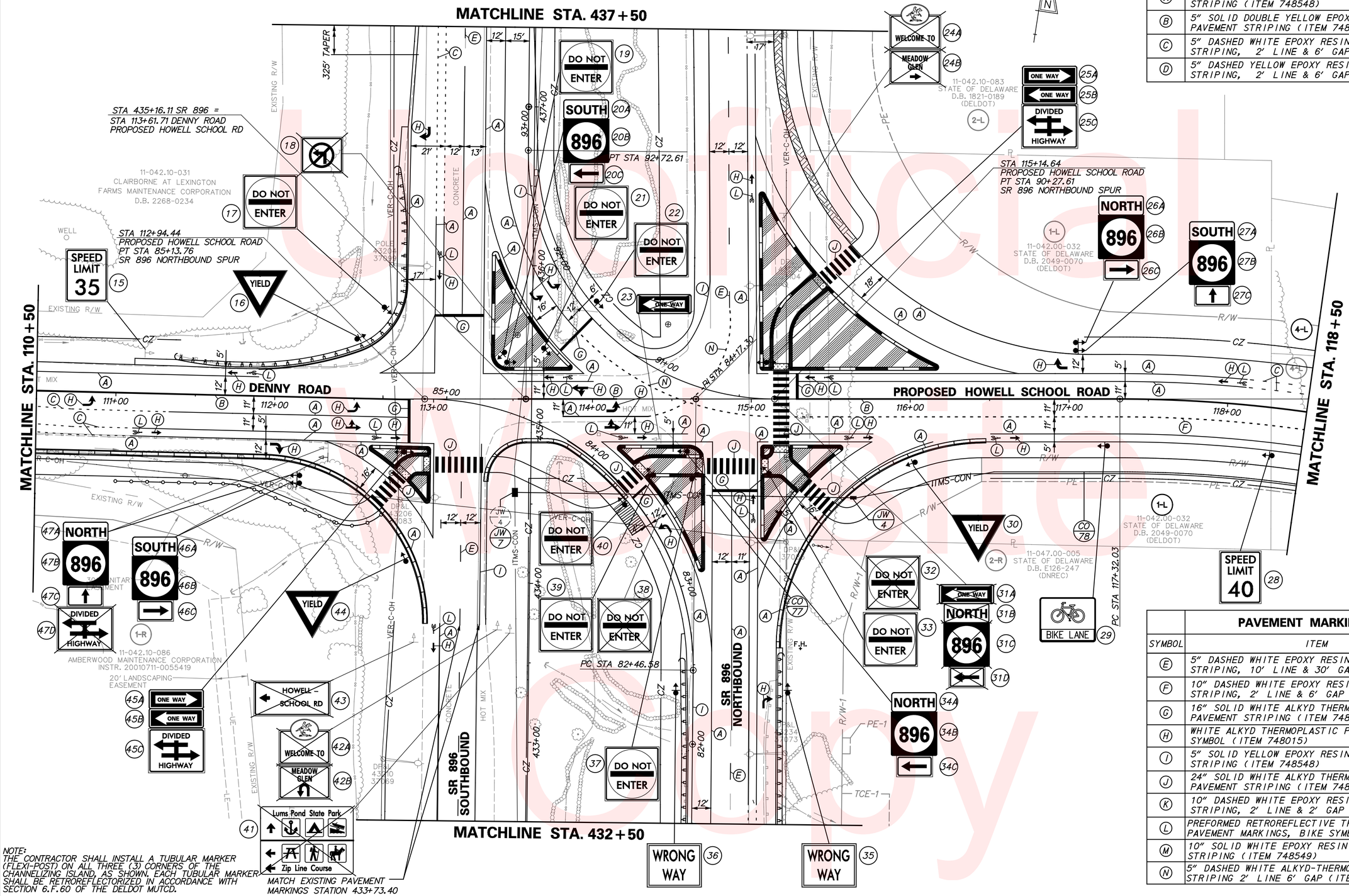
CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 116
TOTAL SHTS. 138

CONDUIT SCHEDULE				
NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
77	210'	4" SCH80 PVC	TRENCH	COMM. CABLE
78	280'	4" SCH80 PVC	TRENCH	COMM. CABLE

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	6,038 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,239 LF
(C)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	148 LF
(D)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	27 LF



NOTE:
THE CONTRACTOR SHALL INSTALL A TUBULAR MARKER (FLEXI-POST) ON ALL THREE (3) CORNERS OF THE CHANNELIZING ISLAND, AS SHOWN. EACH TUBULAR MARKER SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH SECTION 6.F.60 OF THE DELDOT MUTCD.

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	122 LF
(F)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	82 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	192 SF
(H)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	267 SF
(J)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	720 LF
(J)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	1,040 SF
(K)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
(L)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	12 EA
(M)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
(N)	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	58 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

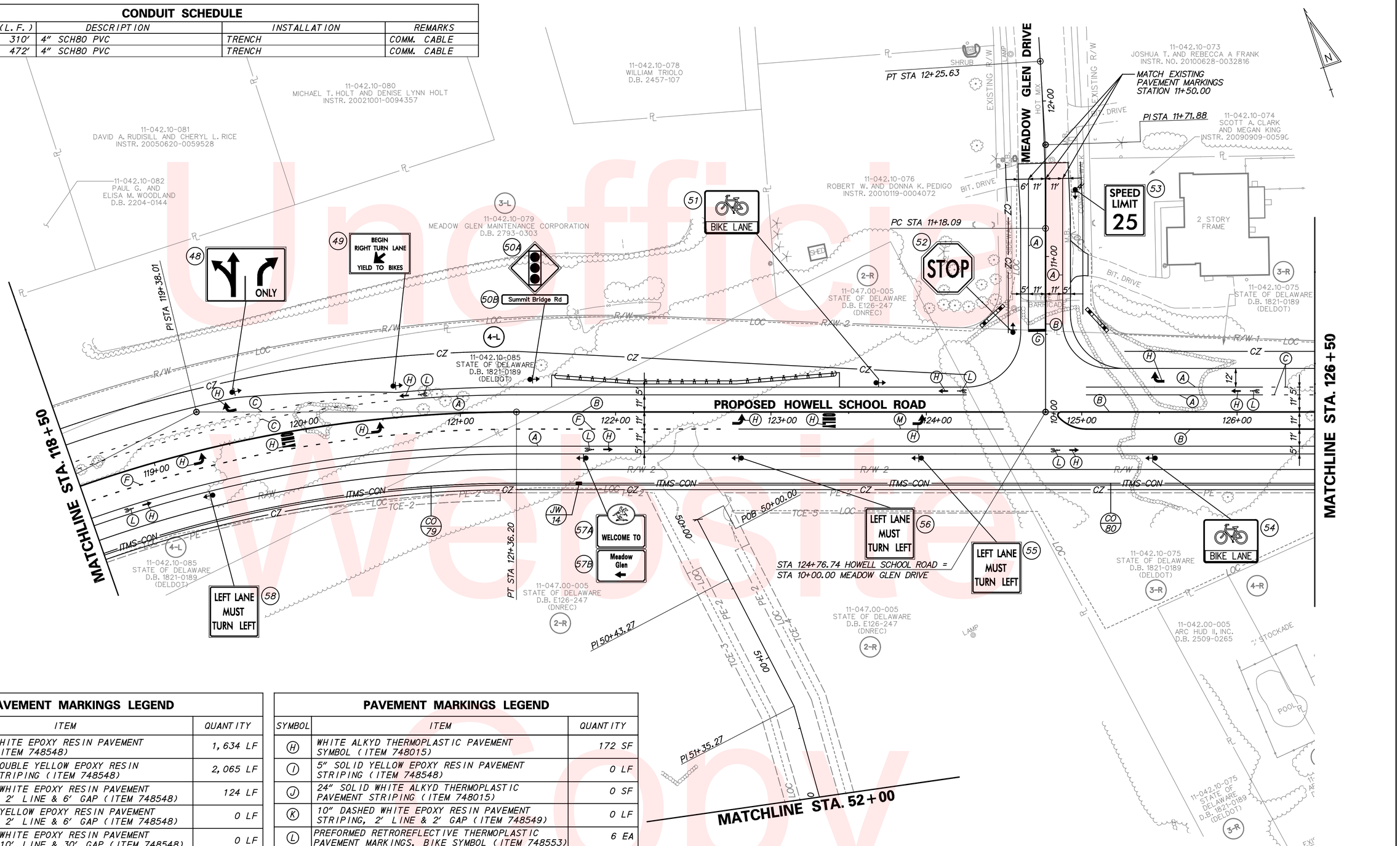
HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO.
117
TOTAL SHTS.
138

CONDUIT SCHEDULE				
NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
79	310′	4″ SCH80 PVC	TRENCH	COMM. CABLE
80	472′	4″ SCH80 PVC	TRENCH	COMM. CABLE



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	5″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,634 LF
B	5″ SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2,065 LF
C	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	124 LF
D	5″ DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	0 LF
E	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10′ LINE & 30′ GAP (ITEM 748548)	0 LF
F	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748549)	107 LF
G	16″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	15 SF

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	172 SF
I	5″ SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 2′ GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	6 EA
M	10″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	172 LF
N	5″ DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2′ LINE 6′ GAP (ITEM 748033)	0 LF

NOTE:

THE CONTRACTOR SHALL INSTALL A TUBULAR MARKER (FLEXI-POST) ON ALL THREE (3) CORNERS OF THE CHANNELIZING ISLAND, AS SHOWN. EACH TUBULAR MARKER SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH SECTION 6.F.60 OF THE DELDOT MUTCD.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

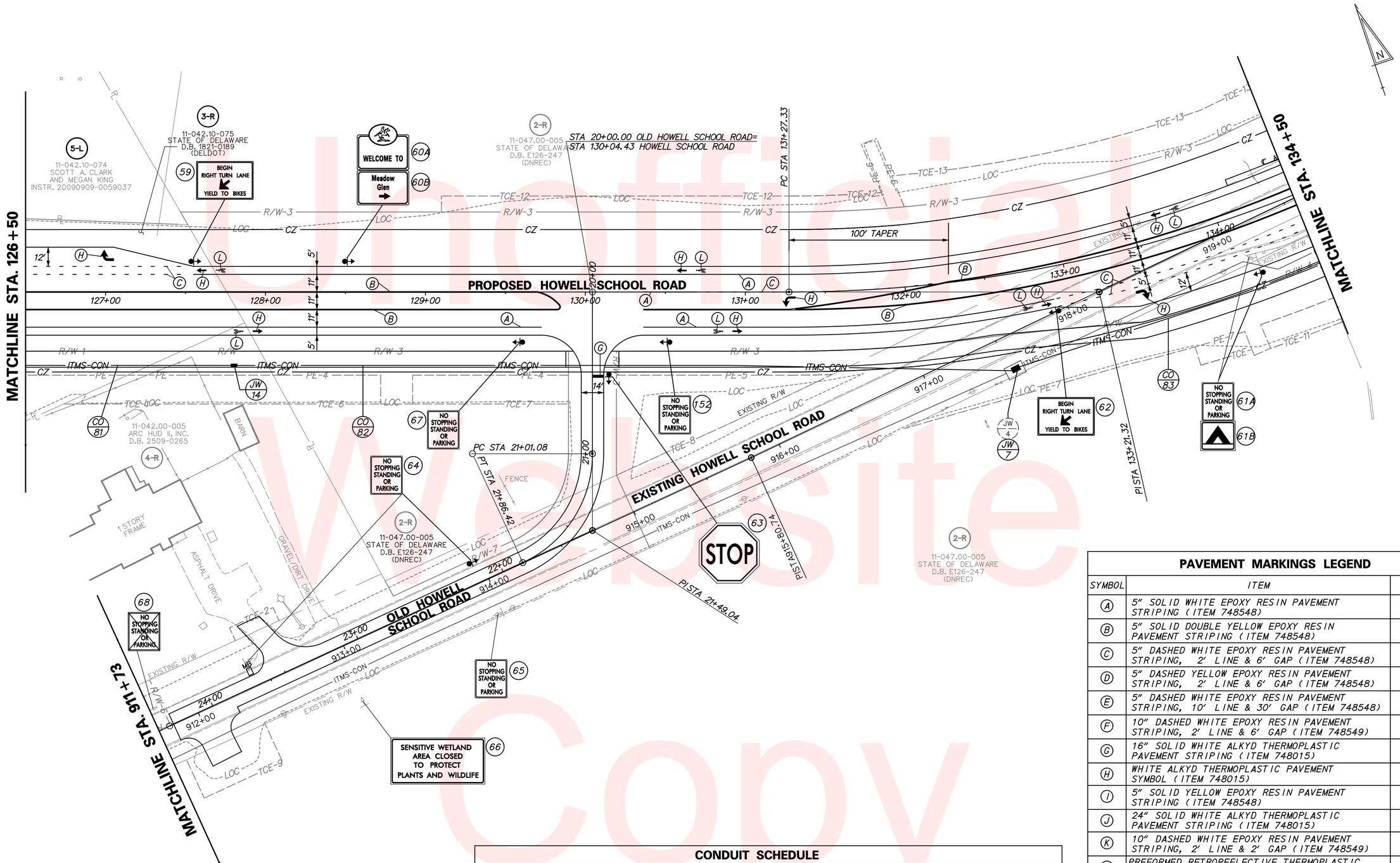
SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	CHECKED BY: PAH
NEW CASTLE	

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO.
118
TOTAL SHTS.
138



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,304 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2,818 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	175 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	10 SF
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	80 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	6 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
81	130'	4" SCH80 PVC	TRENCH	COMM. CABLE
82	485'	4" SCH80 PVC	TRENCH	COMM. CABLE
83	200'	4" SCH80 PVC	TRENCH	COMM. CABLE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

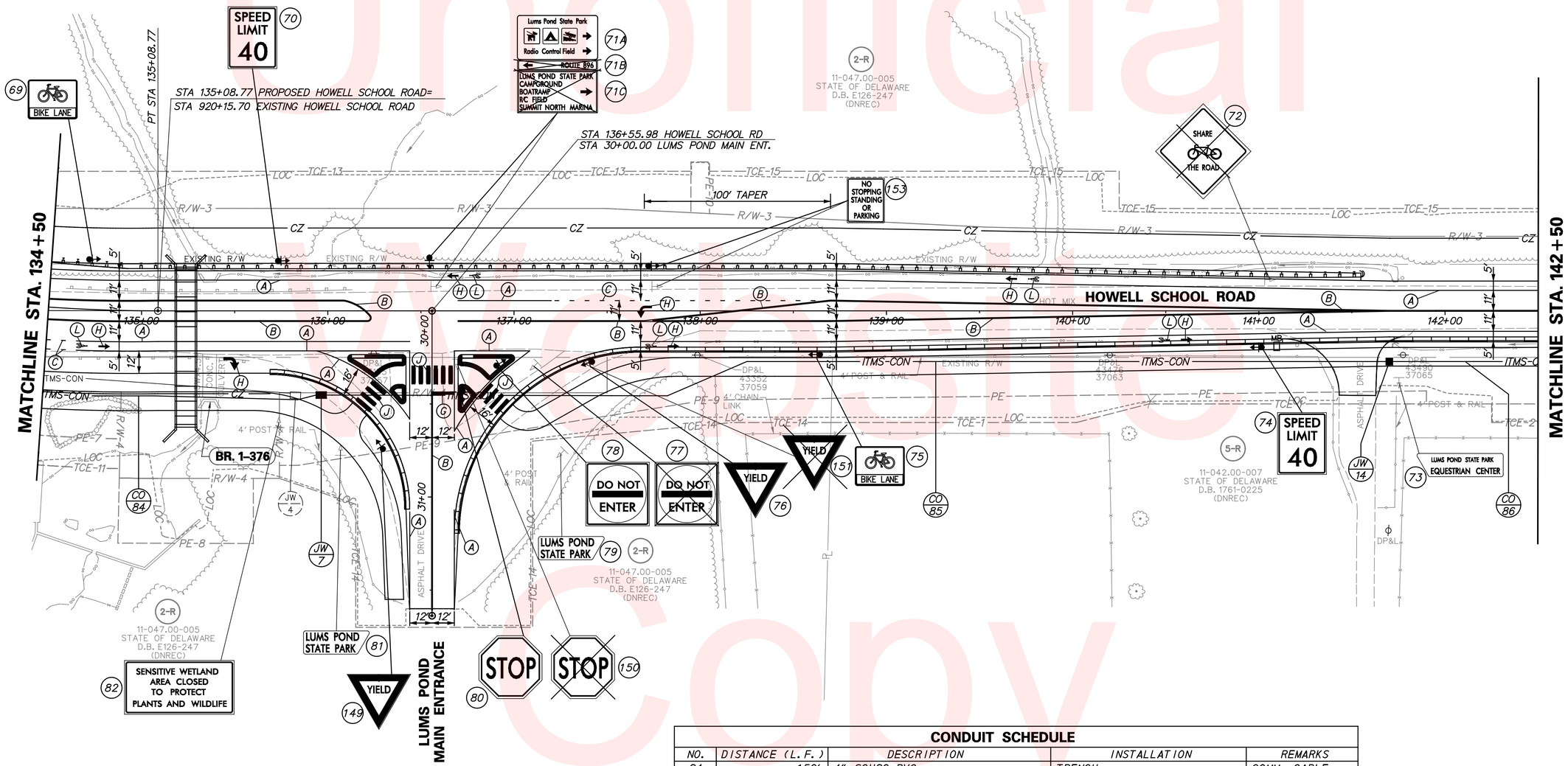
CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	CHECKED BY: PAH
NEW CASTLE	

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 119
TOTAL SHTS. 138

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2,039 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2,861 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	46 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	16 SF

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	59 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	280 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	5 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF



CONDUIT SCHEDULE				
NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
84	150'	4" SCH80 PVC	TRENCH	COMM. CABLE
85	575'	4" SCH80 PVC	TRENCH	COMM. CABLE
86	80'	4" SCH80 PVC	TRENCH	COMM. CABLE

NOTE:
THE CONTRACTOR SHALL INSTALL A TUBULAR MARKER (FLEXI-POST) ON ALL THREE (3) CORNERS OF THE CHANNELIZING ISLAND, AS SHOWN. EACH TUBULAR MARKER SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH SECTION 6.F.60 OF THE DELDOT MUTCD.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT T200504110 | COUNTY NEW CASTLE | BRIDGE NO. BR 1-376 & 1-378 | DESIGNED BY: RMG | CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

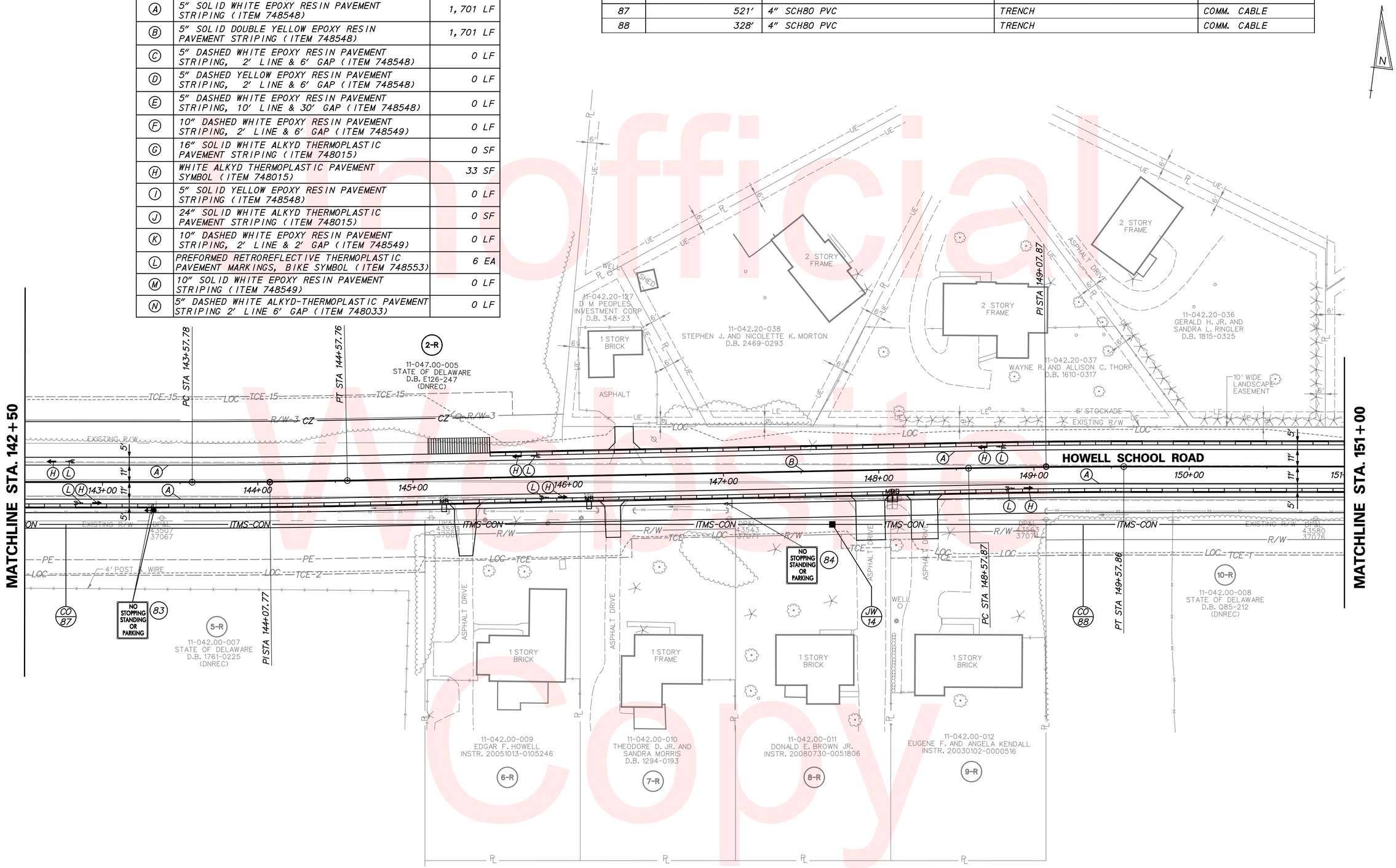
SHEET NO. 120 | TOTAL SHTS. 138

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,701 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,701 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	33 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	6 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
87	521'	4" SCH80 PVC	TRENCH	COMM. CABLE
88	328'	4" SCH80 PVC	TRENCH	COMM. CABLE



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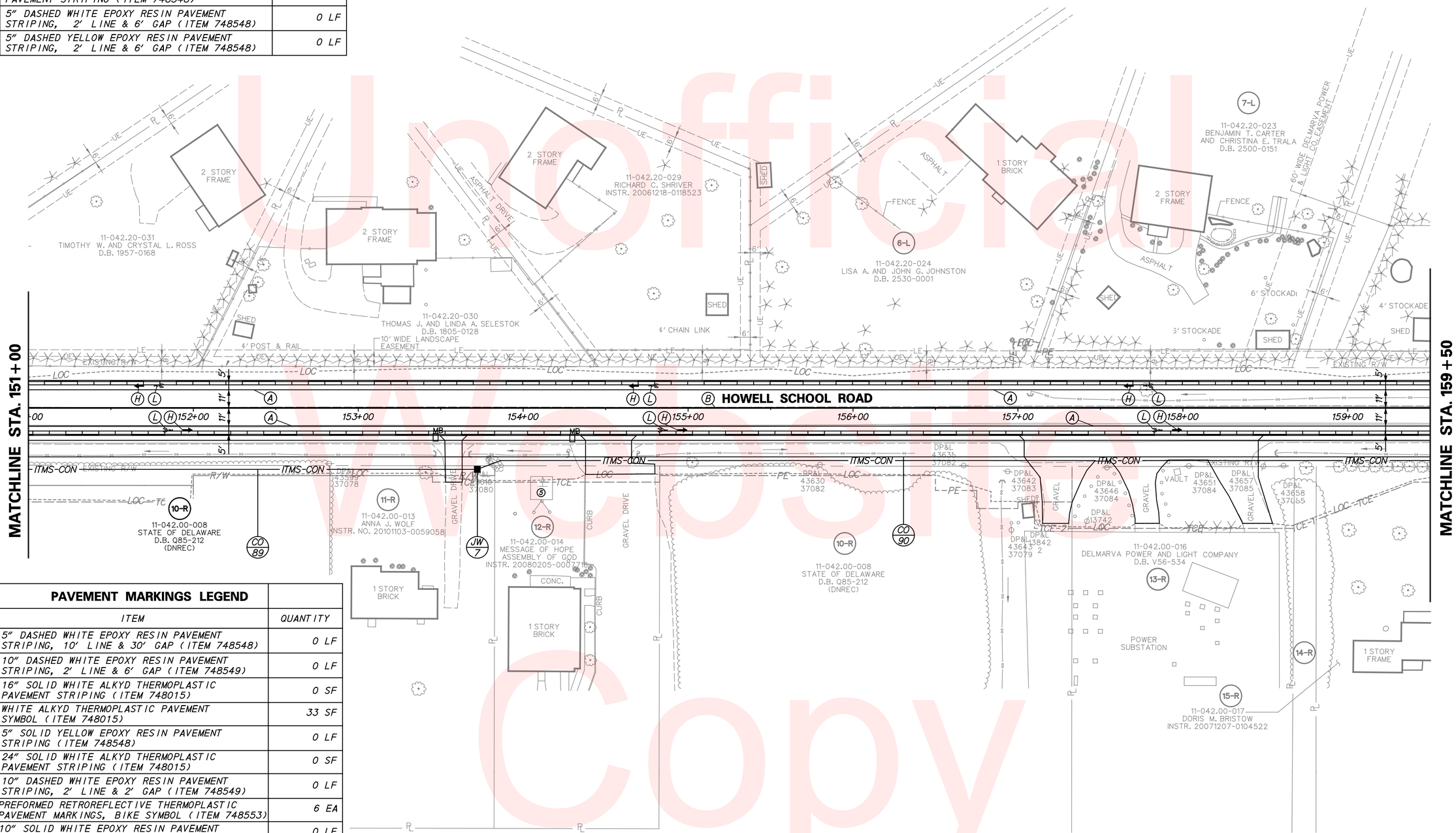
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71	CONTRACT T200504110	BRIDGE NO. BR 1-376 & 1-378	SIGNING, STRIPING AND CONDUIT PLAN	SHEET NO. 121
				COUNTY NEW CASTLE	DESIGNED BY: RMG		TOTAL SHTS. 138
					CHECKED BY: PAH		

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,700 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,700 LF
(C)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
(D)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF

CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
89	273'	4" SCH80 PVC	TRENCH	COMM. CABLE
90	580'	4" SCH80 PVC	TRENCH	COMM. CABLE



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
(F)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
(H)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	33 SF
(I)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
(J)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
(K)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
(L)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	6 EA
(M)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
(N)	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

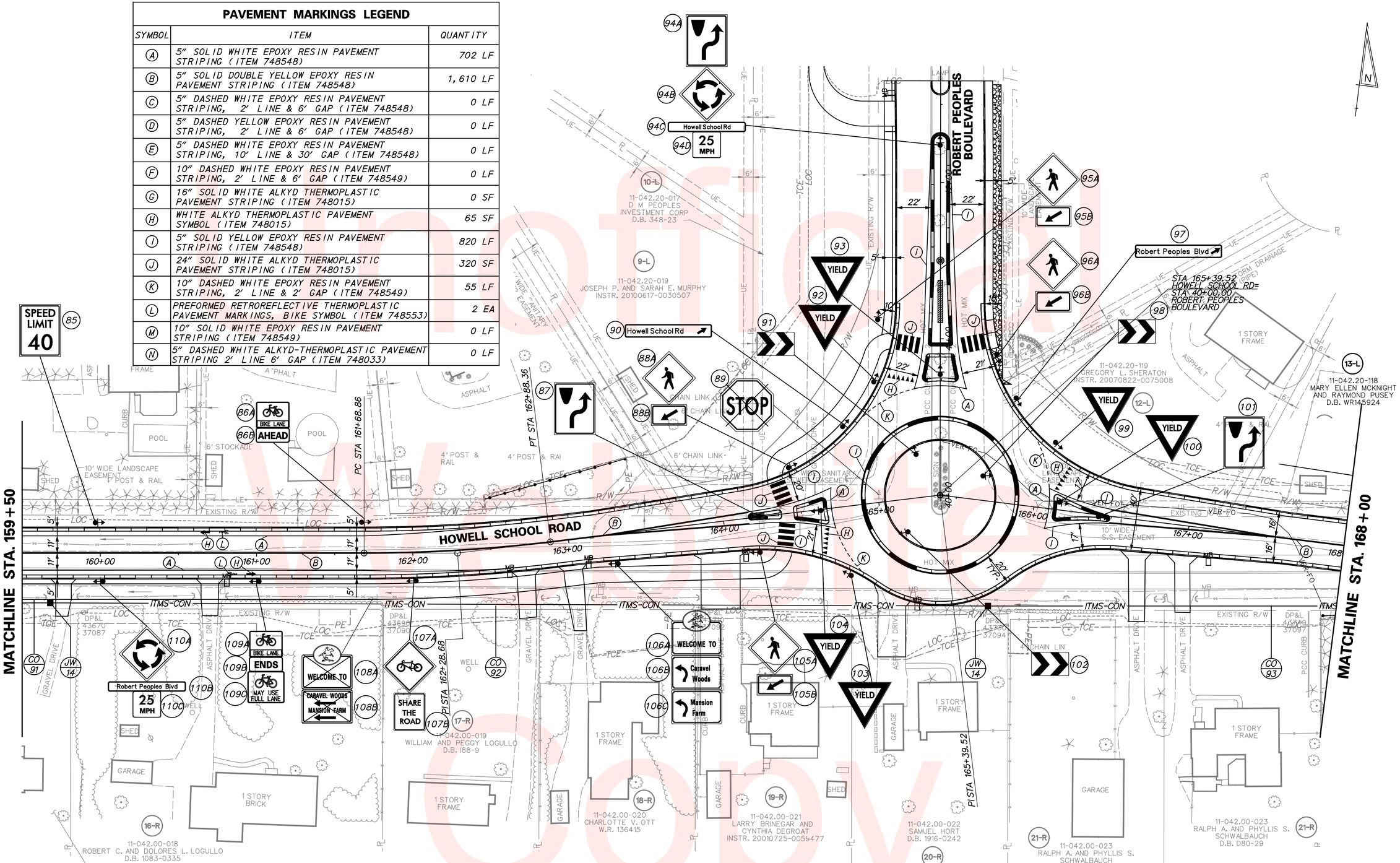
SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 122

TOTAL SHTS. 138

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	702 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,610 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	65 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	820 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	320 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	55 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	2 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF



CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
91	19'	4" SCH80 PVC	TRENCH	COMM. CABLE
92	599'	4" SCH80 PVC	TRENCH	COMM. CABLE
93	224'	4" SCH80 PVC	TRENCH	COMM. CABLE

NOTE:

THE CONTRACTOR SHALL INSTALL A TUBULAR MARKER (FLEXI-POST) ON ALL THREE (3) CORNERS OF THE CHANNELIZING ISLAND, AS SHOWN. EACH TUBULAR MARKER SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH SECTION 6.F.60 OF THE DELDOT MUTCD.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

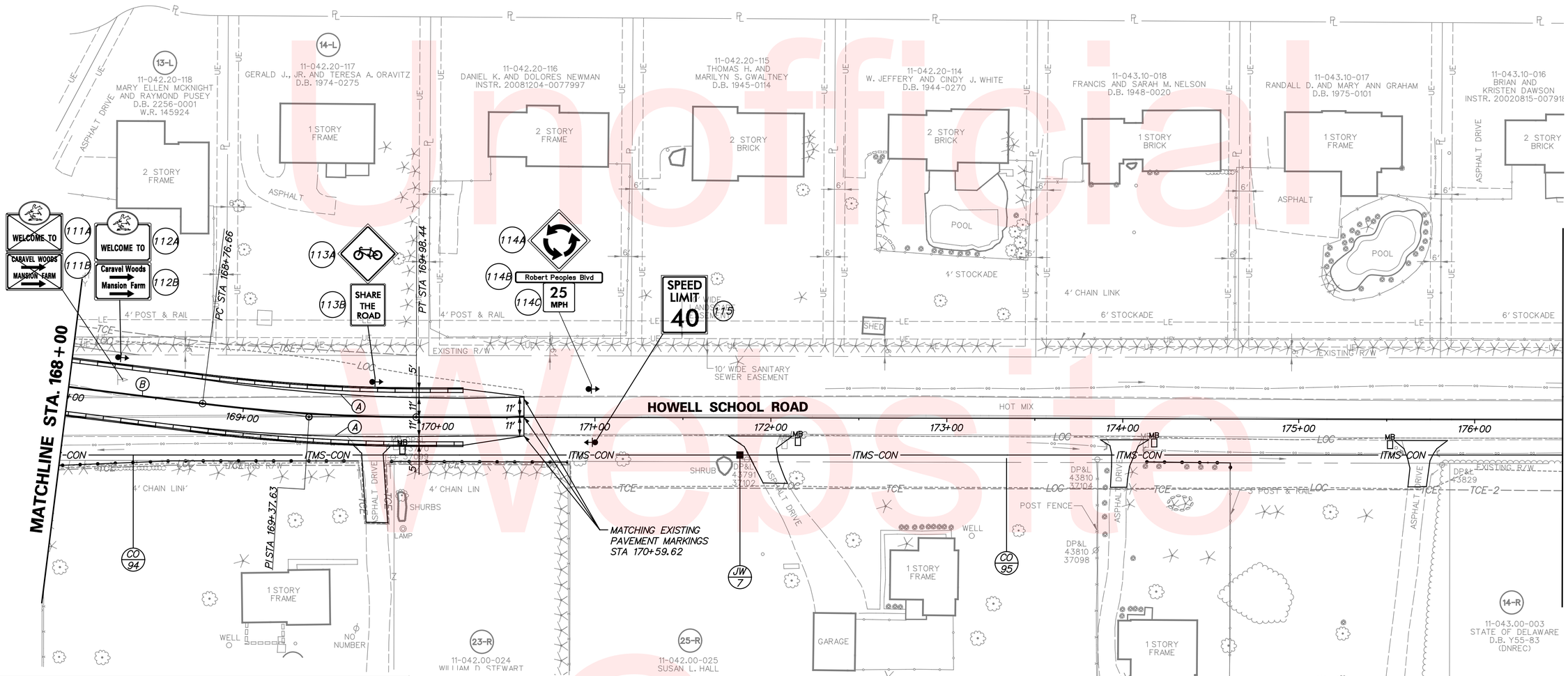
SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378	SIGNING, STRIPING AND CONDUIT PLAN	SHEET NO.
T200504110	DESIGNED BY: RMG		123
COUNTY			TOTAL SHTS.
NEW CASTLE	CHECKED BY: PAH		138

CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
94	387′	4″ SCH80 PVC	TRENCH	COMM. CABLE
95	468′	4″ SCH80 PVC	TRENCH	COMM. CABLE



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	5″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	383 LF
(B)	5″ SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	500 LF
(C)	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	0 LF
(D)	5″ DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	0 LF
(E)	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10′ LINE & 30′ GAP (ITEM 748548)	0 LF
(F)	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748549)	0 LF
(G)	16″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(H)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	0 SF
(I)	5″ SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
(J)	24″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
(K)	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 2′ GAP (ITEM 748549)	0 LF
(L)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA
(M)	10″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
(N)	5″ DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2′ LINE 6′ GAP (ITEM 748033)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

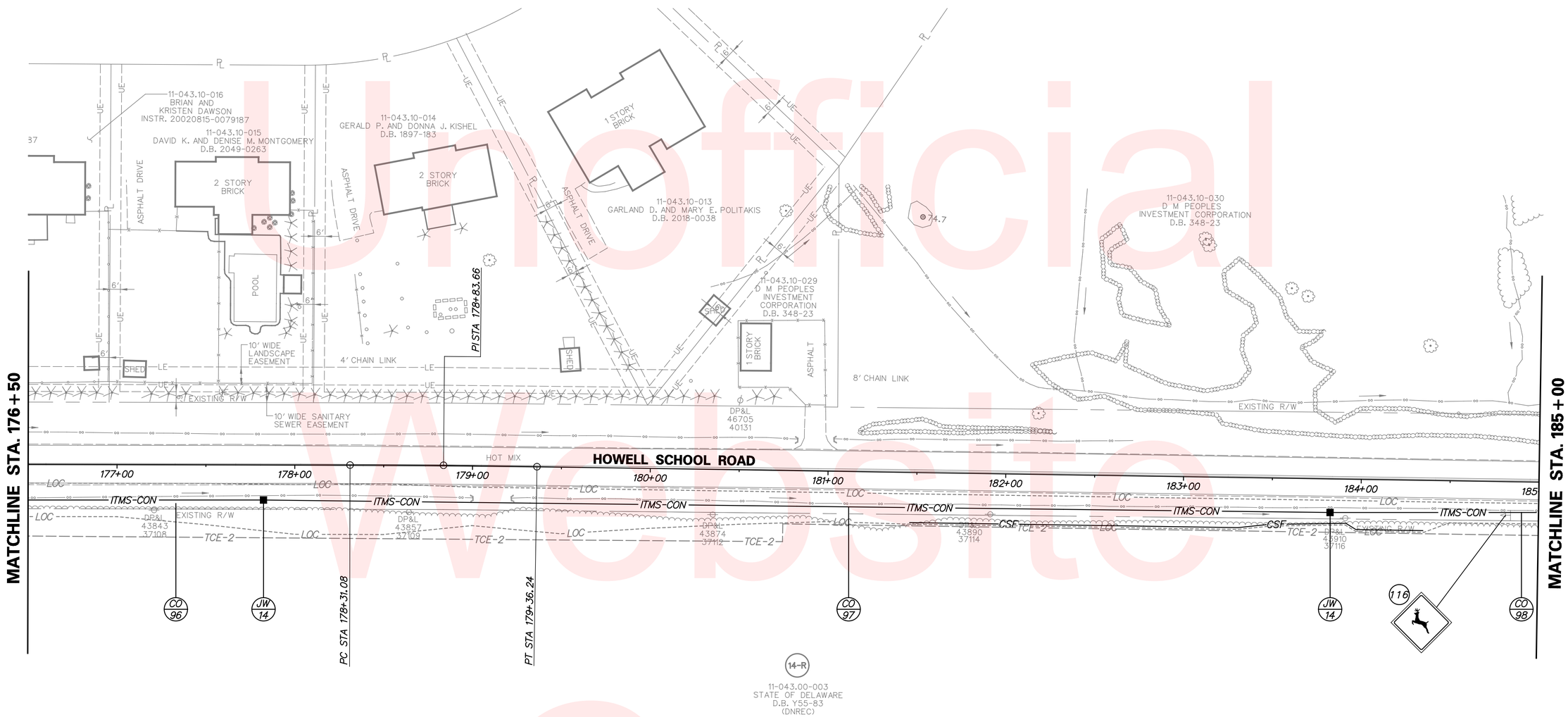
SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 124

TOTAL SHTS. 138

CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
96	133′	4″ SCH80 PVC	TRENCH	COMM. CABLE
97	601′	4″ SCH80 PVC	TRENCH	COMM. CABLE
98	118′	4″ SCH80 PVC	TRENCH	COMM. CABLE



	PAVEMENT MARKINGS LEGEND	
SYMBOL	ITEM	QUANTITY
A	5″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
B	5″ SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
C	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	0 LF
D	5″ DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748548)	0 LF
E	5″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10′ LINE & 30′ GAP (ITEM 748548)	0 LF
F	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 6′ GAP (ITEM 748549)	0 LF
G	16″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF

	PAVEMENT MARKINGS LEGEND	
SYMBOL	ITEM	QUANTITY
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	0 SF
I	5″ SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24″ SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10″ DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2′ LINE & 2′ GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA
M	10″ SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5″ DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2′ LINE 6′ GAP (ITEM 748033)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

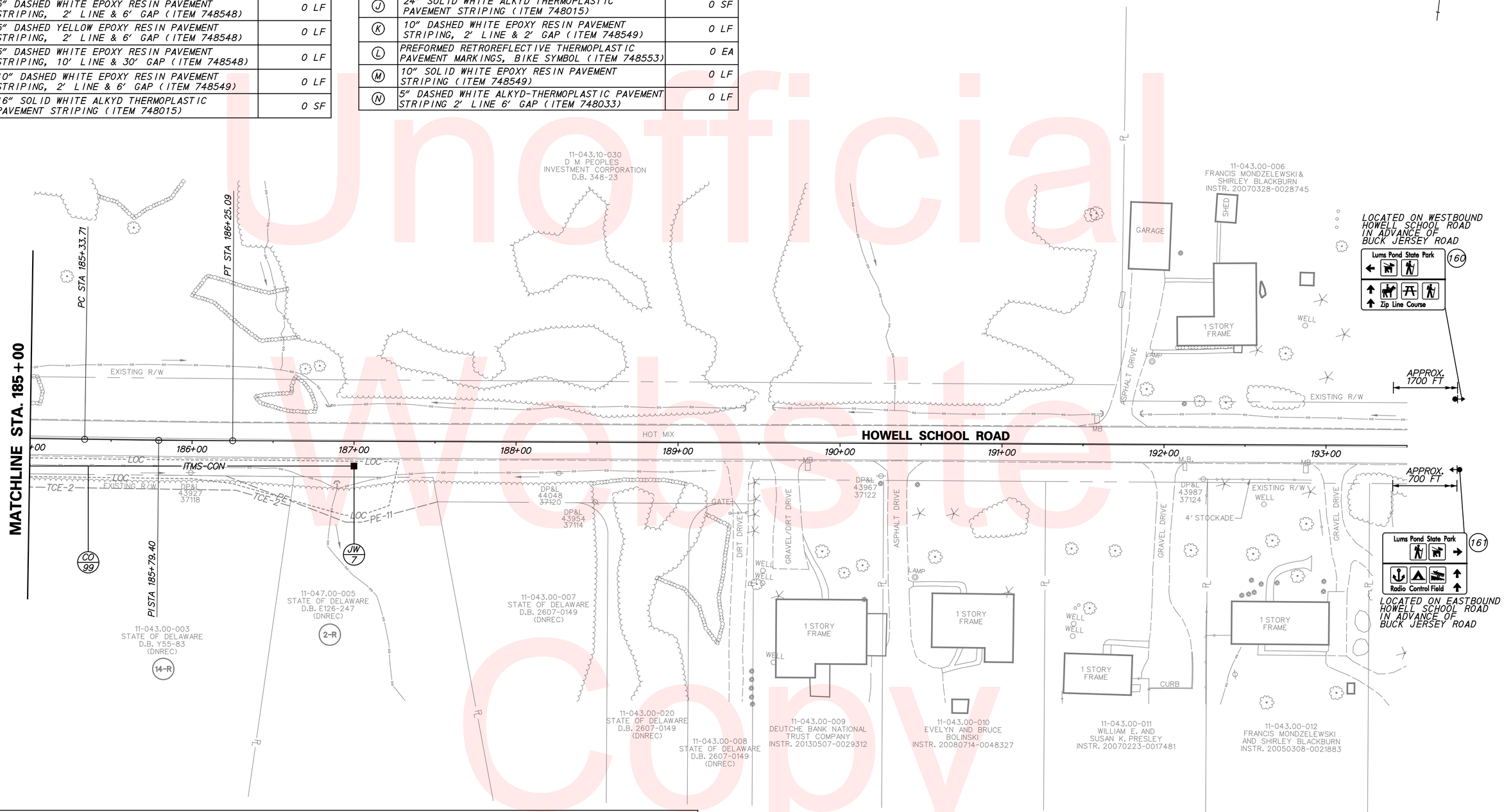
SHEET NO.
125
TOTAL SHTS.
138

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	0 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF



CONDUIT SCHEDULE

NO.	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	REMARKS
99	200'	4" SCH80 PVC	TRENCH	COMM. CABLE

Unofficial Website Copy

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

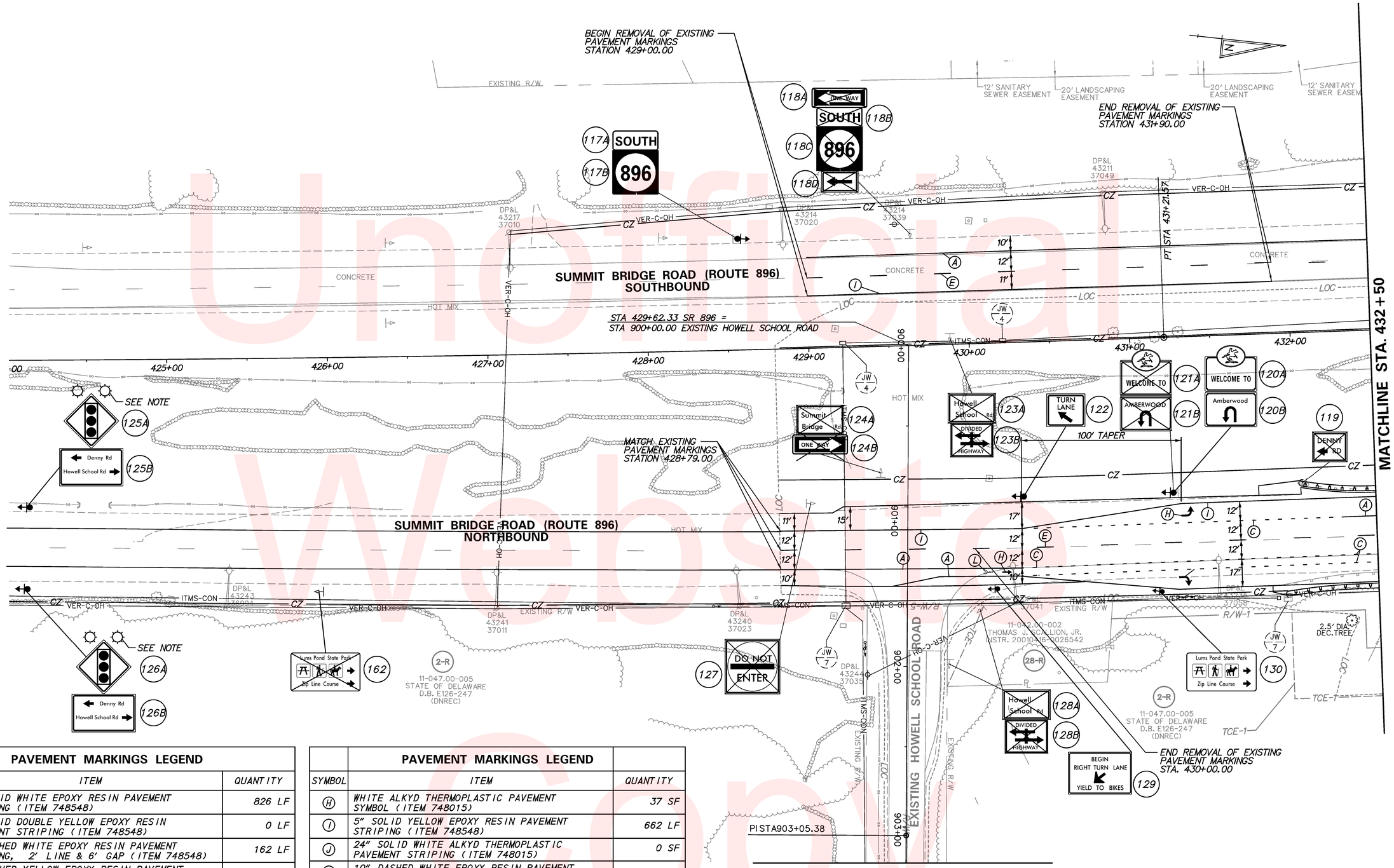
HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 126

TOTAL SHTS. 138



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	826 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	162 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	181 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	37 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	662 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	1 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

NOTE:

RELOCATE EXISTING SIGNAL AHEAD SIGN AND BEACONS LOCATED APPROXIMATELY 1100' SOUTH OF HOWELL SCHOOL RD. INSTALL NEW W16-8aP WARNING PLAQUES AS SHOWN.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

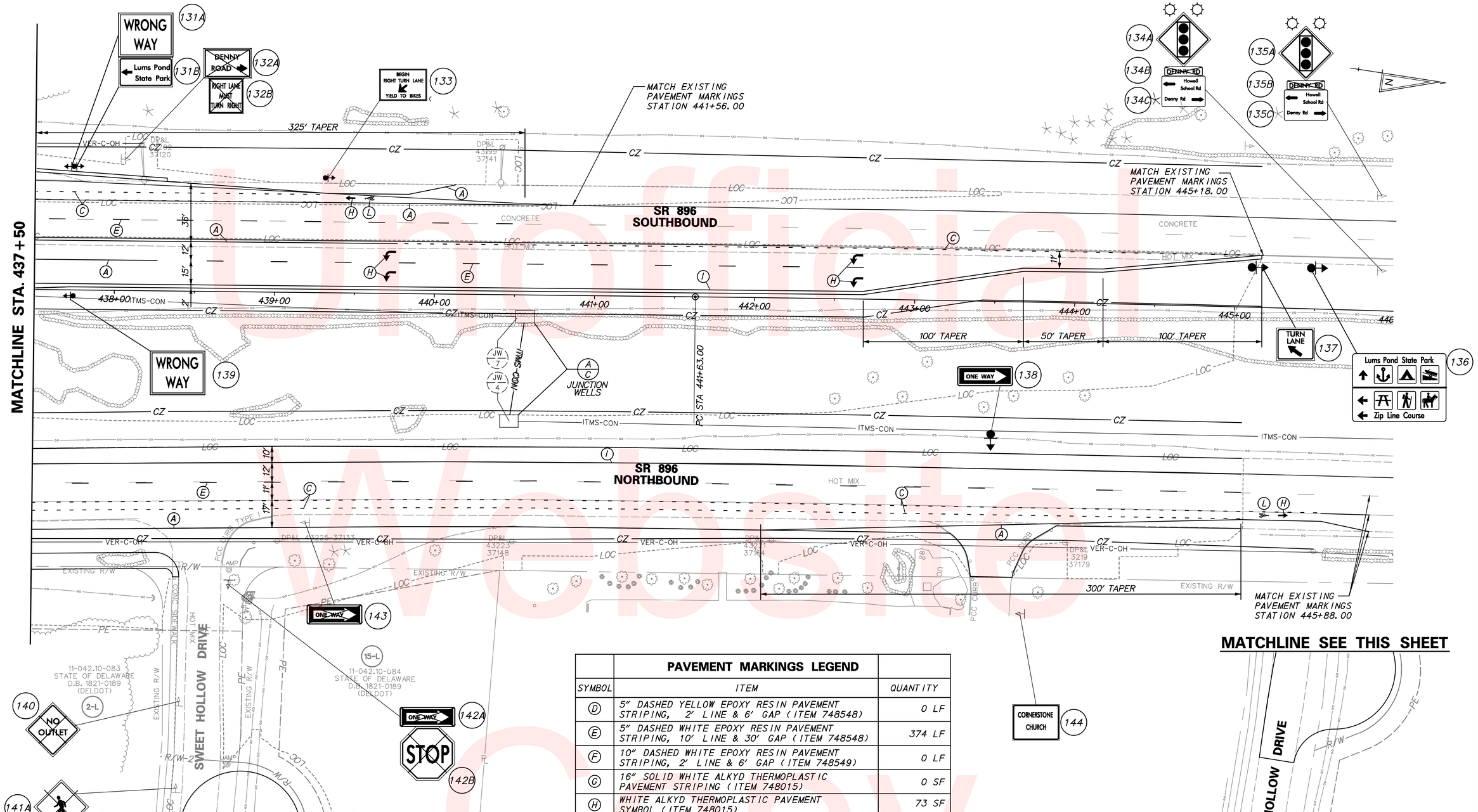
HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 127

TOTAL SHTS. 138



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,478 LF
Ⓑ	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
Ⓒ	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	605 LF

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓓ	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
Ⓔ	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	374 LF
Ⓕ	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
Ⓖ	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
Ⓗ	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	73 SF
Ⓘ	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,525 LF
Ⓙ	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
Ⓚ	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
Ⓛ	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	2 EA
Ⓜ	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
Ⓝ	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

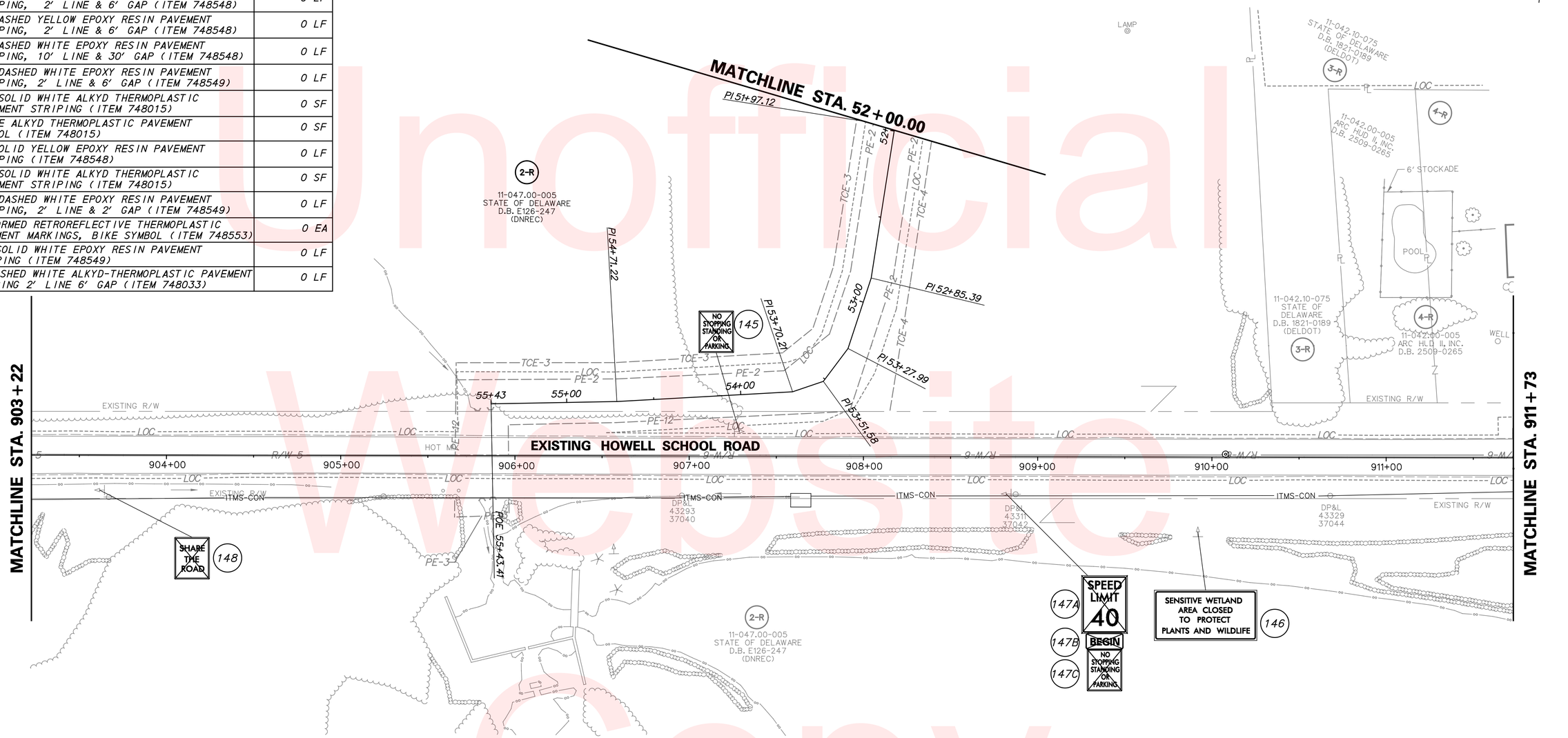
CONTRACT	BRIDGE NO. BR 1-376 & 1-378
T200504110	DESIGNED BY: RMG
COUNTY	
NEW CASTLE	CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO.
128
TOTAL SHTS.
138

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
B	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
C	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
D	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
F	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748549)	0 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
H	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	0 SF
I	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
J	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
K	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 2' GAP (ITEM 748549)	0 LF
L	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA
M	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	0 LF
N	5" DASHED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING 2' LINE 6' GAP (ITEM 748033)	0 LF



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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71	CONTRACT T200504110	BRIDGE NO. BR 1-376 & 1-378	SIGNING, STRIPING AND CONDUIT PLAN	SHEET NO. 129
				COUNTY NEW CASTLE	DESIGNED BY: RMG		TOTAL SHTS. 138
					CHECKED BY: PAH		

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 (SF)			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					
0	116	1	-	1	PRIVATE SIGN	1	-	-	-	REMAIN							0	0	0	
4	116	2A	R1-1(36)	1	STOP	1	36"	36"	9	REMAIN							0	0	0	
18	116	2B	R1-3P(18)	1	ALL WAY(plaque)		18"	6"	0.75	NEW							0	0	0	
1685	116	3A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMAIN							0	0	0	
1686	116	3B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	REMAIN							0	0	0	
4	116	4A	R1-1(36)	1	STOP	1	36"	36"	9	REMAIN							0	0	0	
18	116	4B	R1-3P(18)	1	ALL WAY(plaque)		18"	6"	0.75	NEW							0	0	0	
311	116	5	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	1	24"	30"	5	REPOSITION		1					0	0	0	
4	116	6A	R1-1(36)	1	STOP	1	36"	36"	9	NEW		1				SOIL	1	0	0	
18	116	6B	R1-3P(18)	1	ALL WAY(plaque)		18"	6"	0.75	NEW						SOIL	0	0	0	
-	116	7	-	1	DENNY ROAD, LEFT	1	-	-	-	REMAIN						SOIL	0	0	0	
1685	116	8A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMAIN							0	0	0	
1686	116	8B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	REMAIN							0	0	0	
244	116	9A	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
246	116	9B	R3-17bP	1	ENDS (plaque)		24"	8"	1.33	NEW						SOIL	0	0	0	
141	116	10	R3-8a(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Right) - 48"x30"	1	48"	30"	10				NEW		10	SOIL	2	0	0	
244	116	11A	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
304	116	11B	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES		36"	30"	7.5	NEW						SOIL	0	0	0	
877	116	12A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	1	30"	30"	6.25	NEW		1				SOIL	1	0	0	
1367	116	12B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)		60"	8"	3.33	NEW						SOIL	0	0	0	
311	116	13	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	1	24"	30"	5	NEW		1				SOIL	1	0	0	
4	116	14A	R1-1(36)	1	STOP	1	36"	36"	9	REMAIN							0	0	0	
18	116	14B	R1-3P(18)	1	ALL WAY(plaque)		18"	6"	0.75	NEW							0	0	0	
50	117	15	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	1	24"	30"	5	REMAIN							0	0	0	
9	117	16	R1-2(48)	1	YIELD	1	48"	48"	8				NEW		8	SOIL	2	0	0	
359	117	17	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
111	117	18	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	1	36"	36"	9	REMOVE	1						0	0	0	
359	117	19	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	NEW		1				CONCRETE	1	1	0	
1514	117	20A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	1	24"	12"	2	NEW		1				CONCRETE	1	1	0	
1489	117	20B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						CONCRETE	0	0	0	
1605	117	20C	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15		21"	15"	2.2	NEW						CONCRETE	0	0	0	
359	117	21	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	NEW		1				CONCRETE	1	1	0	
359	117	22	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
393	117	23	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75	REMOVE	1						0	0	0	
1685	117	24A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMOVE	1						0	0	0	
1686	117	24B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	REMOVE							0	0	0	
393	117	25A	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75				NEW		6.75	CONCRETE	2	2	0	
395	117	25B	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18		54"	18"	6.75				NEW		6.75	CONCRETE	0	0	0	
407	117	25C	R6-3(36)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 36x30		36"	30"	7.5				NEW		7.5	CONCRETE	0	0	0	
																	0	0	0	
					PAGE TOTALS				229.36		3	11		0	39		16	5	0	

SIGN SCHEDULE

NO.	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DISCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST (EACH)			ITEM 749690 MULTI POST (SF)			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					
1508	117	26A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	1	24"	12"	2	NEW		1				SOIL	1	0	0	
1489	117	26B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						SOIL	0	0	0	
1604	117	26C	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15		21"	15"	2.2	NEW						SOIL	0	0	0	
1514	117	27A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	1	24"	12"	2	NEW		1				SOIL	1	0	0	
1489	117	27B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						SOIL	0	0	0	
1619	117	27C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15		21"	15"	2.2	NEW						SOIL	0	0	0	
54	117	28	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
244	117	29	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
9	117	30	R1-2(48)	1	YIELD	1	48"	48"	8				NEW		8	SOIL	2	0	0	
395	117	31A	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18	1	54"	18"	6.75	REMOVE	1						0	0	0	
1508	117	31B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12		24"	12"	2	REMOVE							0	0	0	
1489	117	31C	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	REMOVE							0	0	0	
1605	117	31D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15		21"	15"	2.2	REMOVE							0	0	0	
359	117	32	R5-1(36)	1	DO NOT ENTER - 36x36		36"	36"	9	REMOVE	1						0	0	0	
360	117	33	R5-1(48)	1	DO NOT ENTER - 48x48	1	48"	48"	16				NEW		16	CONCRETE	2	2	0	
1508	117	34A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	1	24"	12"	2	NEW		1				CONCRETE	1	1	0	
1489	117	34B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						CONCRETE	0	0	0	
1605	117	34C	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15		21"	15"	2.2	NEW						CONCRETE	0	0	0	
363	117	35	R5-1a(42)	1	WRONG WAY - 42x30	1	42"	30"	8.75				NEW		8.75	SOIL	2	0	0	
363	117	36	R5-1a(42)	1	WRONG WAY - 42x30	1	42"	30"	8.75				NEW		8.75	SOIL	2	0	0	
360	117	37	R5-1(48)	1	DO NOT ENTER - 48x48	1	48"	48"	16				NEW		16	CONCRETE	2	2	0	
359	117	38	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	REMOVE	1						0	0	0	
360	117	39	R5-1(48)	1	DO NOT ENTER - 48x48	1	48"	48"	16				NEW		16	CONCRETE	2	2	0	
360	117	40	R5-1(48)	1	DO NOT ENTER - 48x48	1	48"	48"	16				NEW		16	SOIL	2	0	0	
-	117	41	-	1	LUMS POND STATE PARK	1	114"	90"	71.25				REMOVE	71.25			0	0	0	
1685	117	42A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMOVE	1						0	0	0	
1686	117	42B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	REMOVE							0	0	0	
-	117	43	-	1	HOWELL SCHOOL ROAD, LEFT	1	48"	24"	8				REMOVE	8			0	0	0	
9	117	44	R1-2(48)	1	YIELD	1	48"	48"	8				NEW		8	SOIL	2	0	0	
393	117	45A	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75				NEW		6.75	CONCRETE	2	2	0	
395	117	45B	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18		54"	18"	6.75				NEW		6.75	CONCRETE	2	0	0	
407	117	45C	R6-3(36)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 36x30		36"	30"	7.5				NEW		7.5	CONCRETE	2	0	0	
1514	117	46A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	1	24"	12"	2	NEW		1				SOIL	1	0	0	
1489	117	46B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						SOIL	0	0	0	
1619	117	46C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15		21"	15"	2.2	NEW						SOIL	0	0	0	
1508	117	47A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	1	24"	12"	2	NEW		1				SOIL	1	0	0	
1489	117	47B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						SOIL	0	0	0	
1619	117	47C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15		21"	15"	2.2	NEW						SOIL	0	0	0	
407	117	47D	R6-3(36)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 36x30		36"	30"	7.5	REMOVE							0	0	0	
																	0	0	0	
					PAGE TOTALS				310.2		4	7		79.25	118.5		29	9	0	

Working Copy

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT: T200504110
COUNTY: NEW CASTLE
BRIDGE NO. BR 1-376 & 1-378
DESIGNED BY: RMG
CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 130
TOTAL SHTS. 138

SIGN SCHEDULE

NO.	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DISCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST (EACH)			ITEM 749690 MULTI POST (SF)			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					
143	118	48	R3-8b(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Ahead, Right) - 48"x30"	1	48"	30"	10				NEW		10	SOIL	2	0	0	
304	118	49	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	1	36"	30"	7.5	NEW		1				SOIL	1	0	0	
877	118	50A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	1	30"	30"	6.25	NEW		1				SOIL	1	0	0	
1367	118	50B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)		60"	8"	3.33	NEW						SOIL	0	0	0	
244	118	51	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
4	118	52	R1-1(36)	1	STOP	1	36"	36"	9	NEW		1				SOIL	1	0	0	
42	118	53	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
244	118	54	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
137	118	55	R3-7_L(36)	1	LEFT LANE MUST TURN LEFT - 36"x36"	1	36"	36"	9	NEW		1				SOIL	1	0	0	
137	118	56	R3-7_L(36)	1	LEFT LANE MUST TURN LEFT - 36"x36"	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1685	118	57A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	NEW		1				SOIL	1	0	0	
1686	118	57B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	NEW						SOIL	0	0	0	
137	118	58	R3-7_L(36)	1	LEFT LANE MUST TURN LEFT - 36"x36"	1	36"	36"	9	NEW		1				SOIL	1	0	0	
304	119	59	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	1	36"	30"	7.5	NEW		1				SOIL	1	0	0	
1685	119	60A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	NEW		1				SOIL	1	0	0	
1686	119	60B	D3-2-DE2	1	DEVELOPMENT NAME		36"	36	9	NEW						SOIL	0	0	0	
423	119	61A	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REPOSITION		1				SOIL	0	0	0	
1755	119	61B	D9-3(24)	1	CAMPING (Symbol) - 24x24		24"	24"	4	REPOSITION						SOIL	0	0	0	
304	119	62	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	1	36"	30"	7.5	NEW		1				SOIL	1	0	0	
4	119	63	R1-1(36)	1	STOP	1	36"	36"	9	NEW		1				SOIL	1	0	0	
423	119	152	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	NEW		1				SOIL	1	0	0	
423	119	64	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REPOSITION		1				SOIL	0	0	0	
423	119	65	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REMAIN							0	0	0	
-	119	66	-	1	SENSITIVE WETLAND AREA, CLOSED TO PROTECT WILDLIFE	1	60"	48"	20				REMAIN				0	0	0	
423	119	67	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	NEW		1				SOIL	1	0	0	
423	119	68	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REMOVE	1						0	0	0	
244	120	69	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
54	120	70	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
-	120	71A	-	1	LUMS POND STATE PARK RIGHT (BROWN BACKGROUND)	1	114"	45"	35.625				NEW		35.625	SOIL	2	0	0	
-	120	71B	-	1	ROUTE 896 LEFT		102"	18"	13				REMOVE	13			0	0	0	
-	120	71C	-	1	LUMS POND STATE PARK RIGHT		102"	60"	43				REMOVE	43			0	0	0	
423	120	153	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REPOSITION		1				SOIL	0	0	0	
1334	120	72	W16-1P(24)	1	SHARE THE ROAD (plaque) - 24x30	1	24"	30"	5	REMOVE	1						0	0	0	
-	120	73	-	1	LUMS POND STATE PARK EQUESTRIAN CENTER	1	24"	24"	4	REMAIN							0	0	0	
54	120	74	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
244	120	75	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
8	120	151	R1-2(36)	1	YIELD	1	36"	36"	4.5	REMOVE	1						0	0	0	
8	120	76	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				SOIL	1	0	0	
358	120	77	R5-1(30)	1	DO NOT ENTER - 30x30	1	30"	30"	6.25	REMOVE	1						0	0	0	
358	120	78	R5-1(30)	1	DO NOT ENTER - 30x30	1	30"	30"	6.25	NEW		1				CONCRETE	1	1	0	
					PAGE TOTALS				**304.705**		4	25		56	45.625		26	1	0	

SIGN SCHEDULE

NO.	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DISCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST			ITEM 749690 MULTI POST			POST INSTALLATION	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					
-	120	79	-	1	LUMS POND STATE PARK	1				REMAIN										SIGN TO BE RELOCATED BY DNREC
4	120	150	R1-1(36)	1	STOP	1	36"	36"	9	REMOVE	1						0	0	0	
4	120	80	R1-1(36)	1	STOP	1	36"	36"	9	NEW		1				CONCRETE	1	1	0	
8	120	149	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				SOIL	1	0	0	
-	120	81	-	1	LUMS POND STATE PARK	1				REMAIN							0	0	0	SIGN TO BE RELOCATED BY DNREC
-	120	82	-	1	SENSITIVE WETLAND AREA, CLOSED TO PROTECT WILDLIFE	1	60"	48"	20				REMAIN				0	0	0	
423	121	83	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REPOSITION		1				SOIL	0	0	0	
423	121	84	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REMAIN							0	0	0	
54	123	85	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
244	123	86A	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
245	123	86B	R3-17aP	1	AHEAD (plaque)		24"	8"	1.33	NEW						SOIL	0	0	0	
311	123	87	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	1	24"	30"	5	NEW		1				CONCRETE	1	1	0	
1170	123	88A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1359	123	88B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12		24"	18"	3	NEW						SOIL	0	0	0	
4	123	89	R1-1(36)	1	STOP	1	36"	36"	9	REMOVE	1						0	0	0	
1367	123	90	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	1	60"	8"	3.33	NEW		1				SOIL	1	0	0	
410	123	91	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	1	30"	24"	5	NEW		1				CONCRETE	1	1	0	
8	123	92	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				SOIL	1	0	0	
8	123	93	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				CONCRETE	1	1	0	
311	123	94A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	1	24"	30"	5	NEW		1				SOIL	1	0	0	
852	123	94B	W2-6(36)	1	CIRCULAR INTERSECTION - 36x36		36"	36"	9	NEW						SOIL	0	0	0	
1367	123	94C	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)		60"	8"	3.33	NEW						SOIL	0	0	0	
1285	123	94D	W13-1P-25(18)	1	ADVISORY SPEED (25 MPH) 18x18		18"	18"	2.25	NEW						SOIL	0	0	0	
1170	123	95A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1359	123	95B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12		24"	18"	3	NEW						SOIL	0	0	0	
1170	123	96A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1359	123	96B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12		24"	18"	3	NEW						SOIL	0	0	0	
1367	123	97	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	1	60"	8"	3.33	NEW		1				SOIL	1	0	0	
410	123	98	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	1	30"	24"	5	NEW		1				CONCRETE	1	1	0	
8	123	99	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				SOIL	1	0	0	
8	123	100	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				CONCRETE	1	1	0	
311	123	101	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	1	24"	30"	5	NEW		1				CONCRETE	1	1	0	
410	123	102	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	1	30"	24"	5	NEW		1				CONCRETE	1	1	0	
8	123	103	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				SOIL	1	0	0	
8	123	104	R1-2(36)	1	YIELD	1	36"	36"	4.5	NEW		1				CONCRETE	1	1	0	
1170	123	105A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1359	123	105B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12		24"	18"	3	NEW						SOIL	0	0	0	
1685	123	106A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	NEW		1				SOIL	1	0	0	
1686	123	106B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	NEW						SOIL	0	0	0	
1686	123	106C	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	NEW						SOIL	0	0	0	
																	0	0	0	
					PAGE TOTALS				**198.07**		2	24		0	0		23	9	0	

WEBSITE ONLY

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT T200504110

COUNTY NEW CASTLE

BRIDGE NO. BR 1-376 & 1-378

DESIGNED BY: RMG

CHECKED BY: PAH

SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 131

TOTAL SHTS. 138

SIGN SCHEDULE

NO.	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DISCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST SIGN DISPOSTION	REMOVE	INSTALL	ITEM 749690 MULTI POST SIGN DISPOSTION	REMOVE	INSTALL	POST INSTALLATION	Code X11 12' Post (W/Basepost)	ITEM 749688 4"HOLE, 0-6" (EACH)	ITEM 749689 4"HOLE, >6" (EACH)	REMARKS
1165	123	107A	W11-1(36)	1	BICYCLE (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1333	123	107B	W16-1P(18)	1	SHARE THE ROAD (plaque) - 18x24		18"	24"	3	NEW						SOIL	0	0	0	
1685	123	108A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMOVE	1						0	0	0	
1686	123	108B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	REMOVE							0	0	0	
244	123	109A	R3-17	1	BIKE LANE (Symbol)	1	24"	18"	3	NEW		1				SOIL	1	0	0	
246	123	109B	R3-17bP	1	ENDS (plaque)		24"	8"	1.33	NEW						SOIL	0	0	0	
341	123	109C	R4-11	1	BICYCLES MAY USE FULL LANE		30"	30"	6.25	NEW						SOIL	0	0	0	
852	123	110A	W2-6(36)	1	CIRCULAR INTERSECTION - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1367	123	110B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)		60"	8"	3.33	NEW						SOIL	0	0	0	
1285	123	110C	W13-1P-25(18)	1	ADVISORY SPEED (25 MPH) 18x18		18"	18"	2.25	NEW						SOIL	0	0	0	
1685	124	111A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMOVE	1						0	0	0	
1686	124	111B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	REMOVE							0	0	0	
1685	124	112A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	NEW		1				SOIL	1	0	0	
1686	124	112B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	NEW						SOIL	0	0	0	
1165	124	113A	W11-1(36)	1	BICYCLE (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1334	124	113B	W16-1P(24)	1	SHARE THE ROAD (plaque) - 24x30		24"	30"	5	NEW						SOIL	0	0	0	
852	124	114A	W2-6(36)	1	CIRCULAR INTERSECTION - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
1367	124	114B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)		60"	8"	3.33	NEW						SOIL	0	0	0	
1285	124	114C	W13-1P-25(18)	1	ADVISORY SPEED (25 MPH) 18x18		18"	18"	2.25	NEW						SOIL	0	0	0	
54	124	115	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	NEW		1				SOIL	1	0	0	
1174	125	116	W11-3(36)	1	DEER (Symbol) - 36x36	1	36"	36"	9	NEW		1				SOIL	1	0	0	
-	126	160	-	1	LUMS POND STATE PARK	1	114"	90"	71.25				NEW		71.25	SOIL	2	0	0	
-	126	161	-	1	LUMS POND STATE PARK	1	114"	90"	71.25				NEW		71.25	SOIL	2	0	0	
1514	127	117A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	1	24"	12"	2	NEW		1				SOIL	1	0	0	
1489	127	117B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	NEW						SOIL	0	0	0	
395	127	118A	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18		54"	18"	6.75	REMOVE	1						0	0	0	
1514	127	118B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	1	24"	12"	2	REMOVE							0	0	0	
1489	127	118C	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24		30"	24"	5	REMOVE							0	0	0	
1605	127	118D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15		21"	15"	2.2	REMOVE							0	0	0	
-	127	119	-	1	DENNY ROAD LEFT	1				REMOVE	1						0	0	0	
1685	127	120A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	REMOVE	1						0	0	0	
1686	127	120B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	REMOVE							0	0	0	
1685	127	121A	D3-2-DE1	1	WELCOME TO	1	36"	32"	8	NEW		1				SOIL	1	0	0	
1686	127	121B	D3-2-DE2	1	DEVELOPMENT NAME		36"	0	0	NEW						SOIL	0	0	0	
1682	127	123A	D3-2(30)	1	ADVANCE STREET NAME (2 Line)	1	0	30"	0	REMOVE	1						0	0	0	
409	127	123B	R6-3a(36)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 36x30		36"	30"	7.5	REMOVE							0	0	0	
1682	127	124A	D3-2(30)	1	ADVANCE STREET NAME (2 Line)	1	48	30"	10				REMOVE	10			0	0	0	
393	127	124B	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18		54"	18"	6.75				REMOVE	6.75			0	0	0	
877	127	125A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	1	30"	30"	6.25				REPOSITION		6.25	SOIL	0	0	0	
-	127	125B	-	1	DENNY RD, LEFT, HOWELL SCHOOL RD, RIGHT		48	30	10				NEW		10	SOIL	2	0	0	
877	127	126A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	1	30"	30"	6.25				REPOSITION		6.25		0	0	0	
-	127	126B	-	1	DENNY RD, LEFT, HOWELL SCHOOL RD, RIGHT		48	30	10				NEW		10	SOIL	2	0	0	
					PAGE TOTALS				**341.94**		6	10		16.75	175		18	0	0	

SIGN SCHEDULE

NO.	SHEET NO.	PLAN INDICATOR	CODE	QTY.	DISCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST SIGN DISPOSTION	REMOVE	INSTALL	ITEM 749690 MULTI POST SIGN DISPOSTION	REMOVE	INSTALL	POST INSTALLATION	Code X11 12' Post (W/Basepost)	ITEM 749688 4"HOLE, 0-6" (EACH)	ITEM 749689 4"HOLE, >6" (EACH)	REMARKS
-	127	162	-	1	LUMS POND STATE PARK	1	114"	45"	35.625				REMOVE	35.625						
359	127	127	R5-1(36)	1	DO NOT ENTER - 36x36	1	36"	36"	9	REMOVE	1						0	0	0	
1682	127	128A	D3-2(30)	1	ADVANCE STREET NAME (2 Line)	1	0	30"	0	REMOVE	1						0	0	0	
409	127	128B	R6-3a(36)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 36x30		36"	30"	7.5	REMOVE							0	0	0	
304	127	129	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	1	36"	30"	7.5	NEW		1				SOIL	1	0	0	
-	127	130	-	1	LUMS POND STATE PARK	1	114"	45"	35.625				NEW		35.625	SOIL	2	0	0	
363	128	131A	R5-1a(42)	1	WRONG WAY - 42x30	1	42"	30"	8.75	NEW		1				SOIL	1	0	0	
1682	128	131B	D3-2(30)	1	ADVANCE STREET NAME (2 Line)		0	30"	0	NEW						SOIL	0	0	0	
1682	128	132A	D3-2(30)	1	ADVANCE STREET NAME (2 Line)	1	0	30"	0	REMOVE	1						0	0	0	
135	128	132B	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"		36"	36"	9	REMOVE							0	0	0	
304	128	133	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	1	36"	30"	7.5	NEW		1				SOIL	1	0	0	
877	128	134A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	1	30"	30"	6.25				REMAIN				0	0	0	
1671	128	134B	D3-1(6)	1	STREET NAME (1 Line)		0	6"	0				REMOVE				0	0	0	
1682	128	134C	D3-2(30)	1	ADVANCE STREET NAME (2 Line)		0	30"	0				NEW			SOIL	0	0	0	
877	128	135A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30		30"	30"	6.25				REMAIN				0	0	0	
1671	128	135B	D3-1(6)	1	STREET NAME (1 Line)	1	0	6"	0				REMOVE				0	0	0	
1682	128	135C	D3-2(30)	1	ADVANCE STREET NAME (2 Line)		0	30"	0				NEW			SOIL	0	0	0	
-	128	136	-	1	LUMS POND STATE PARK	1	114"	90"	71.25				NEW		71.25	SOIL	2	0	0	
252	128	137	R3-20-DE	1	TURN LANE	1	18"	18"	2.25	NEW		1				SOIL	1	0	0	
393	128	138	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75				NEW		2	SOIL	2	0	0	
363	128	139	R5-1a(42)	1	WRONG WAY - 42x30	1	42"	30"	8.75	NEW		1				SOIL	1	0	0	
1321	128	140	W14-2(36)	1	NO OUTLET - 36x36	1	36"	36"	9	REMOVE	1						0	0	0	
1170	128	141A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	1	36"	36"	9	REMOVE	1						0	0	0	
42	128	141B	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)		24"	30"	5	REMOVE							0	0	0	
393	128	142A	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75	REMOVE	1						0	0	0	
4	128	142B	R1-1(36)	1	STOP		36"	36"	9	REMOVE							0	0	0	
393	128	143	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	1	54"	18"	6.75	REMOVE	1						0	0	0	
-	128	144	-	1	CORNERSTONE CHURCH	1				REMAIN							0	0	0	
423	129	145	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	1	12"	18"	1.5	REMOVE	1						0	0	0	
-	129	146	-	1	SENSITIVE WETLAND AREA CLOSED TO PROTECT PLANTS AND WILDLIFE	1	60	48	20				REMAIN				0	0	0	
54	129	147A	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	1	24"	30"	5	REMOVE	1						0	0	0	
1576	129	147B	M4-14(24)	1	BEGIN - 24x12		24"	12"	2	REMOVE							0	0	0	
423	129	147C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18		12"	18"	1.5	REMOVE							0	0	0	
1333	129	148	W16-1P(18)	1	SHARE THE ROAD (plaque) - 18x24	1	18"	24"	3	REMOVE	1						0	0	0	
0	137	154	-	1	DENNY ROAD RIGHT (OVERHEAD SIGN)	1	96	18	12								0	0	0	
0	137	155	-	1	SUMMIT BRIDGE ROAD (OVERHEAD SIGN)	1	126	24	21								0	0	0	
0	137	156	-	1	SUMMIT BRIDGE ROAD (OVERHEAD SIGN)	1	126	24	21								0	0	0	
0	137	157	-	1	HOWELL SCHOOL ROAD RIGHT (OVERHEAD SIGN)	1	144	18	18								0	0	0	
0	137	158	-	1	DENNY ROAD LEFT (OVERHEAD SIGN)	1	96	18	12								0	0	0	
0	137	159	-	1	HOWELL SCHOOL ROAD LEFT (OVERHEAD SIGN)	1	144	18	18								0	0	0	
																	0	0	0	
					PAGE TOTALS				**366.875**		10	5		35.625	108.875		11	0	0	
					JOB TOTALS				**844.265**		29	82		187.625	487		71	15	0	

WEBSITE VERSION

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

HSIP NCC, N54, HOWELL SCHOOL ROAD, SR 896 TO SR 71

CONTRACT T200504110
COUNTY NEW CASTLE
BRIDGE NO. BR 1-376 & 1-378
DESIGNED BY: RMG
CHECKED BY: PAH

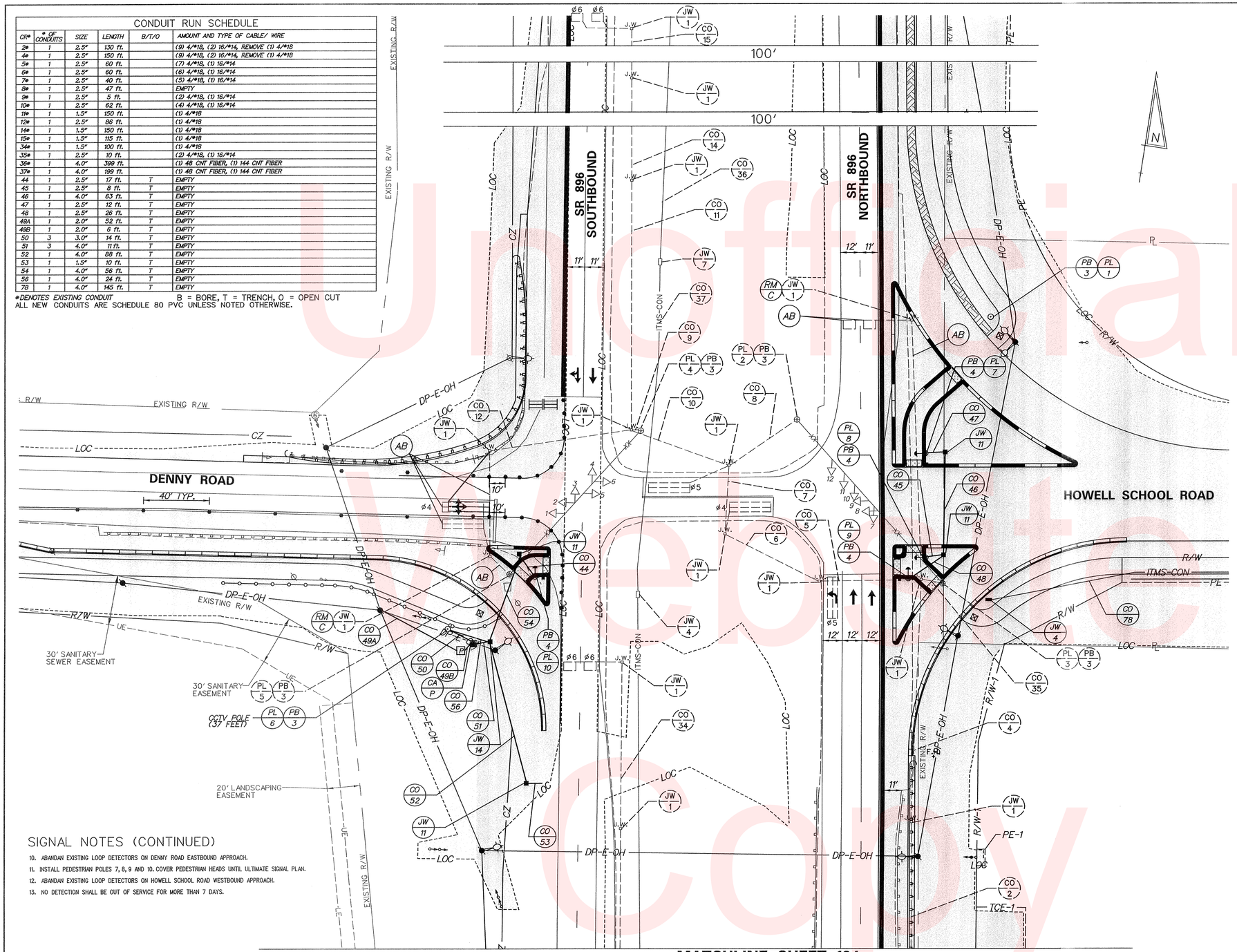
SIGNING, STRIPING AND CONDUIT PLAN

SHEET NO. 132
TOTAL SHTS. 138

CONDUIT RUN SCHEDULE

CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
2#	1	2.5"	130 ft.		(9) 4/#18, (2) 16/#14, REMOVE (1) 4/#18
4#	1	2.5"	150 ft.		(9) 4/#18, (2) 16/#14, REMOVE (1) 4/#18
5#	1	2.5"	60 ft.		(7) 4/#18, (1) 16/#14
6#	1	2.5"	60 ft.		(6) 4/#18, (1) 16/#14
7#	1	2.5"	40 ft.		(5) 4/#18, (1) 16/#14
8#	1	2.5"	47 ft.		EMPTY
9#	1	2.5"	5 ft.		(2) 4/#18, (1) 16/#14
10#	1	2.5"	62 ft.		(4) 4/#18, (1) 16/#14
11#	1	1.5"	150 ft.		(1) 4/#18
12#	1	2.5"	86 ft.		(1) 4/#18
14#	1	1.5"	150 ft.		(1) 4/#18
15#	1	1.5"	115 ft.		(1) 4/#18
34#	1	1.5"	100 ft.		(1) 4/#18
35#	1	2.5"	10 ft.		(2) 4/#18, (1) 16/#14
36#	1	4.0"	399 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
37#	1	4.0"	189 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
44	1	2.5"	17 ft.	T	EMPTY
45	1	2.5"	8 ft.	T	EMPTY
46	1	4.0"	63 ft.	T	EMPTY
47	1	2.5"	12 ft.	T	EMPTY
48	1	2.5"	26 ft.	T	EMPTY
49A	1	2.0"	52 ft.	T	EMPTY
49B	1	2.0"	6 ft.	T	EMPTY
50	3	3.0"	14 ft.	T	EMPTY
51	3	4.0"	11 ft.	T	EMPTY
52	1	4.0"	88 ft.	T	EMPTY
53	1	1.5"	10 ft.	T	EMPTY
54	1	4.0"	56 ft.	T	EMPTY
56	1	4.0"	24 ft.	T	EMPTY
78	1	4.0"	145 ft.	T	EMPTY

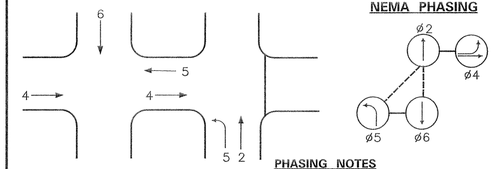
#DENOTES EXISTING CONDUIT B = BORE, T = TRENCH, O = OPEN CUT
ALL NEW CONDUITS ARE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.



SIGNAL NOTES (CONTINUED)

10. ABANDAN EXISTING LOOP DETECTORS ON DENNY ROAD EASTBOUND APPROACH.
11. INSTALL PEDESTRIAN POLES 7, 8, 9 AND 10. COVER PEDESTRIAN HEADS UNTIL ULTIMATE SIGNAL PLAN.
12. ABANDAN EXISTING LOOP DETECTORS ON HOWELL SCHOOL ROAD WESTBOUND APPROACH.
13. NO DETECTION SHALL BE OUT OF SERVICE FOR MORE THAN 7 DAYS.

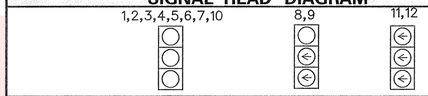
SIGNAL PHASING



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
- 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)
- RM/C — REMOVE BY CONTRACTOR
- RM/TC — REMOVE BY TRAFFIC CONTRACTOR
- RM/O — REMOVE BY OTHERS
- AB — ABANDON
- PB/X — PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PB/X — EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PL/X — PROPOSED POLE IDENTIFIER (# OF POLE)
- PL/X — EXISTING POLE IDENTIFIER (# OF POLE)
- JW/X — PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- JW/X — EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CO/# — PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- CO/# — EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- OH/# — PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- OH/# — EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- MA/XX — PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
- MA/XX — EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
- CA/X — PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
- CA/X — EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
- PROPOSED SPAN WIRE
- XX — EXISTING SPAN WIRE
- RIGHT-OF-WAY OR PROPERTY LINE
- PROPOSED SPAN INSULATOR
- EXISTING SPAN INSULATOR
- P — SERVICE PEDESTAL

GENERAL SIGNAL NOTES

1. ALL SIGNAL POLES WILL BE 28 FEET, EXCEPT WHERE SHOWN.

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

3. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.

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.

5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY OR 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 A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK IS IDENTIFIED, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC (302-659-2400) IMMEDIATELY BEFORE CONSTRUCTION.

6. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING, AND CONDUIT PLAN.

7. ALL NEW PEDESTRIAN SIGNAL SHALL CONTAIN COUNTDOWN PEDESTRIAN SIGNAL HEADS.

8. PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE CONSTRUCTED IMMEDIATELY ADJACENT TO FLAT (SOH 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. THE PEDESTRIAN PUSHBUTTON SHALL BE INSTALLED AT A HEIGHT OF 42 TO 48 INCHES ABOVE LANDING AREA/SIDEWALK, AND SHALL BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE IS 10 INCHES FROM THE LANDING AREA TO THE FACE OF THE PUSHBUTTON.PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE SIDEWALK LEVEL.SHALL BE RETROREFLECTRIZED IN ACCORDANCE WITH SECTION 6F.60 OF THE DELDOT MUTCD.

9. ALL PROPOSED LOOP DETECTOR LEAD-IN CONDUIT SHALL BE 1" FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT.

RECOMMENDED [signature] DATE: 10/9/14

RECOMMENDED _____ DATE: _____

RECOMMENDED [signature] DATE: 10/9/14

APPROVED TRAFFIC ENGINEER [signature] DATE: 10/14/14

APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER [signature] DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

N54, HOWELL SCHOOL ROAD AND SR 896

CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
COUNTY		
NEW CASTLE	CHECKED BY: TKF	

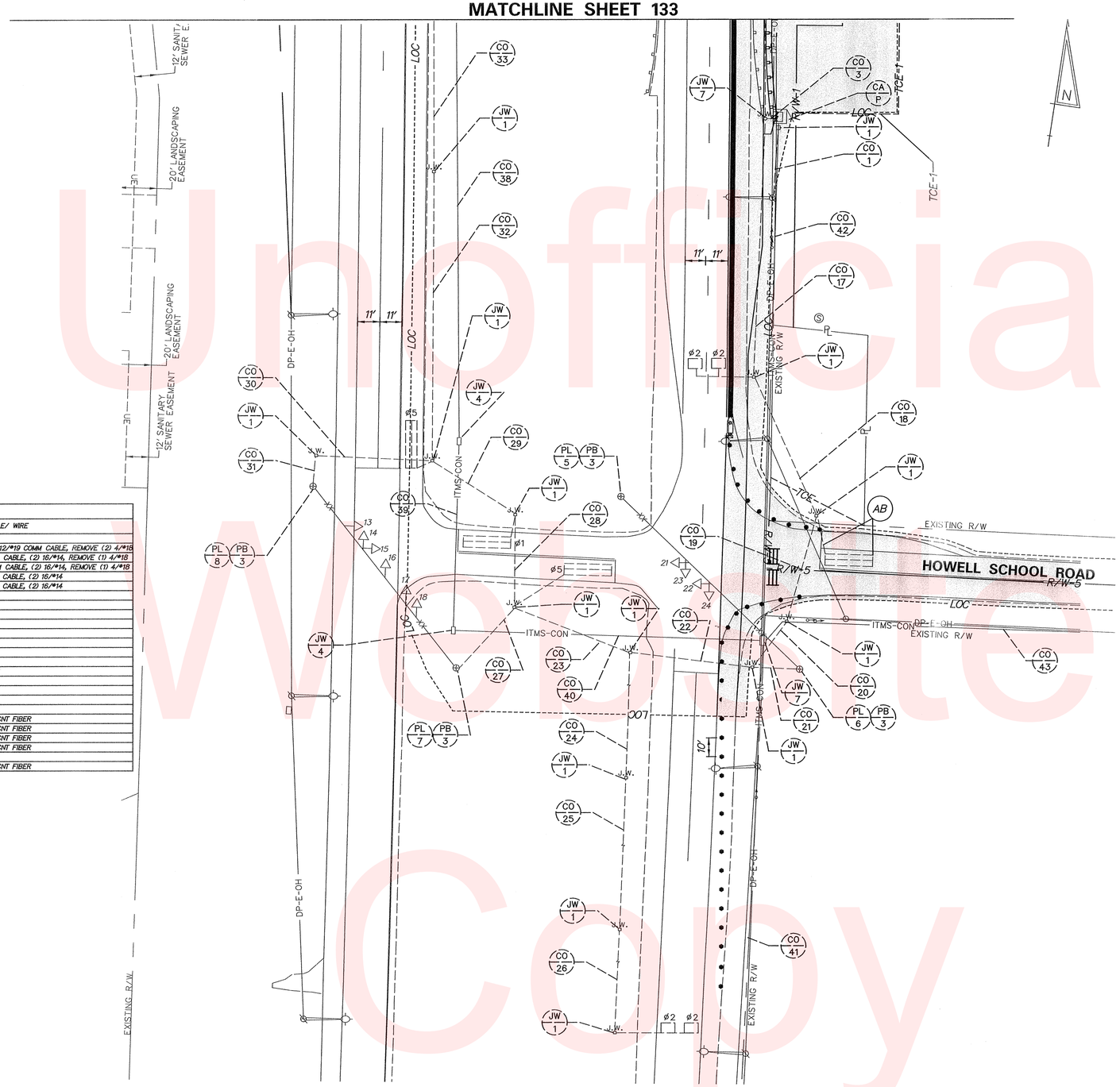
TEMPORARY SIGNAL PLAN PHASE 1A

SHEET NO. 133
TOTAL SHTS. 138

H:\TRANSPORTATION\DDOT\0806 (HOWELL SCHOOL ROAD)\03 FINAL ENGINEERING\DGNS\SG01.DGN

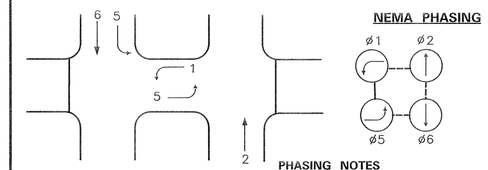
Unofficial Website Copy

MATCHLINE SHEET 133



CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1#	1	1.5"	100 ft.		(1) 2/#8 U.F. W/GROUND
3#	3	2.5"	5 ft.		(20) 4/#18, (4) 16/#14, (1) 12/#19 COMM CABLE, REMOVE (2) 4/#18
17#	1	2.5"	135 ft.		(11) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14, REMOVE (1) 4/#18
18#	1	2.5"	79 ft.		(10) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14, REMOVE (1) 4/#18
19#	1	2.5"	57 ft.		(9) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
20#	1	2.5"	29 ft.		(9) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
21#	1	2.5"	23 ft.		(2) 4/#18, (1) 16/#14
22#	1	2.5"	64 ft.		(7) 4/#18, (1) 16/#14
23#	1	2.5"	60 ft.		(6) 4/#18, (1) 16/#14
24#	1	1.5"	150 ft.		(1) 4/#18
25#	1	1.5"	150 ft.		(1) 4/#18
26#	1	1.5"	100 ft.		(1) 4/#18
27#	1	2.5"	43 ft.		(2) 4/#18, (1) 16/#14
28#	1	2.5"	48 ft.		(3) 4/#18
29#	1	2.5"	51 ft.		(2) 4/#18
30#	1	2.5"	60 ft.		EMPTY
31#	1	2.5"	15 ft.		EMPTY
32#	1	2.5"	150 ft.		(1) 4/#18
33#	1	1.5"	150 ft.		(1) 4/#18
38#	1	4.0"	430 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
39#	1	4.0"	96 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
40#	1	4.0"	163 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
41#	1	4.0"	586 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
42#	1	4.0"	266 ft.		(1) 6 CNT FIBER
43#	1	4.0"	313 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER

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

13,14,15,16,17,18,21,22,23,24

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
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- EXISTING MICROWAVE DETECTION
- OVERHEAD SIGNING
- PROPOSED OPTICOM RECEIVER
- EXISTING OPTICOM RECEIVER
- PROPOSED MAST ARM
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- PROPOSED LOOP DETECTOR (TYPE 1 OR 2)
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- RM/C — REMOVE BY CONTRACTOR
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- RM/O — REMOVE BY OTHERS
- AB — ABANDON
- PB/X — PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PB/X — EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PL/X — PROPOSED POLE IDENTIFIER (# OF POLE)
- PL/X — EXISTING POLE IDENTIFIER (# OF POLE)
- JW/X — PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- JW/X — EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CO/# — PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- CO/# — EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- OH/# — PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
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- MA/XX — PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
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- PROPOSED SPAN WIRE
- XX — EXISTING SPAN WIRE
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- PROPOSED SPAN INSULATOR
- EXISTING SPAN INSULATOR
- P — SERVICE PEDESTAL

GENERAL SIGNAL NOTES

1. ALL SIGNAL POLES WILL BE 28 FEET, EXCEPT WHERE SHOWN.
2. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC DOVER, DELAWARE.
3. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.
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.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY OR 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 A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK IS IDENTIFIED, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC (302-659-2400) IMMEDIATELY BEFORE CONSTRUCTION.
6. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING, AND CONDUIT PLAN.
7. ALL PROPOSED LOOP DETECTOR LEAD-IN CONDUIT SHALL BE 1" FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT.
8. NO DETECTION SHALL BE OUT OF SERVICE FOR MORE THAN 7 DAYS.

RECOMMENDED _____ DATE: 10/9/14 | RECOMMENDED _____ DATE: _____ | RECOMMENDED _____ DATE: 10/9/14 | APPROVED TRAFFIC ENGINEER _____ DATE: 10/10/14 | APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER _____ DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

N54, HOWELL SCHOOL ROAD AND SR 896

CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
COUNTY	CHECKED BY: TKF	
NEW CASTLE		

TEMPORARY SIGNAL PLAN PHASE 1A

SHEET NO. 134 | TOTAL SHTS. 138

\\WLM-SVR-01\PUBLIC\TRANSPORTATION\DDOT\0806 (HOWELL SCHOOL ROAD)\03 FINAL ENGINEERING\DGNS\SG01A.DGN

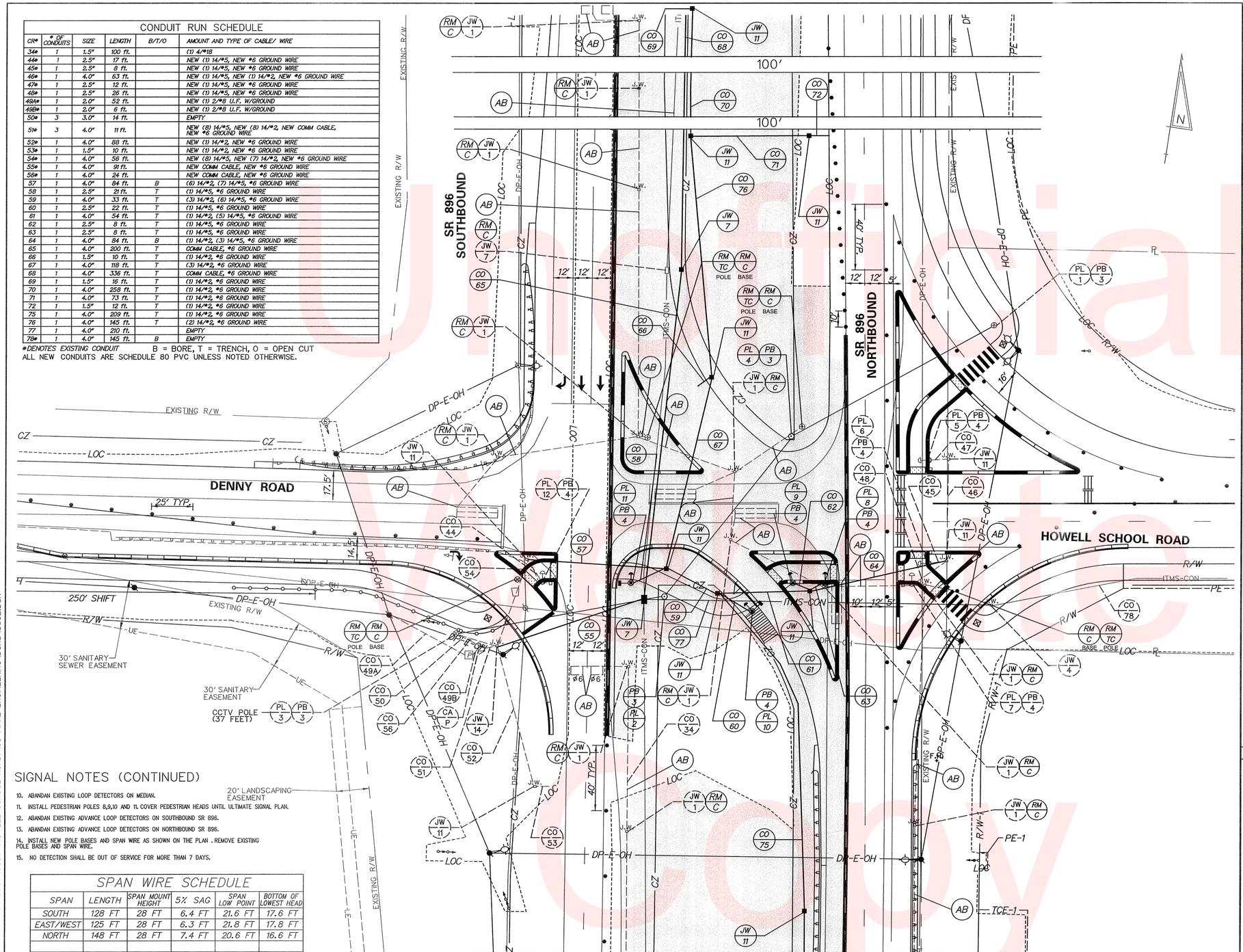
Unofficial Website Copy

CONDUIT RUN SCHEDULE

CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
34#	1	1.5"	100 ft.		(1) 4/*1B
44#	1	2.5"	17 ft.		NEW (1) 14/*5, NEW *6 GROUND WIRE
45#	1	2.5"	8 ft.		NEW (1) 14/*5, NEW *6 GROUND WIRE
46#	1	4.0"	63 ft.		NEW (1) 14/*5, NEW (1) 14/*2, NEW *6 GROUND WIRE
47#	1	2.5"	12 ft.		NEW (1) 14/*5, NEW *6 GROUND WIRE
48#	1	2.5"	28 ft.		NEW (1) 14/*5, NEW *6 GROUND WIRE
49A#	1	2.0"	52 ft.		NEW (1) 2/*8 U.F. W/GROUND
49B#	1	2.0"	6 ft.		NEW (1) 2/*8 U.F. W/GROUND
50#	3	3.0"	14 ft.		EMPTY
51#	3	4.0"	11 ft.		NEW (8) 14/*5, NEW (8) 14/*2, NEW COMM CABLE, NEW *6 GROUND WIRE
52#	1	4.0"	88 ft.		NEW (1) 14/*2, NEW *6 GROUND WIRE
53#	1	1.5"	10 ft.		NEW (1) 14/*2, NEW *6 GROUND WIRE
54#	1	4.0"	56 ft.		NEW (8) 14/*5, NEW (7) 14/*2, NEW *6 GROUND WIRE
55#	1	4.0"	91 ft.		NEW COMM CABLE, NEW *6 GROUND WIRE
56#	1	4.0"	24 ft.		NEW COMM CABLE, NEW *6 GROUND WIRE
57	1	4.0"	84 ft.	B	(6) 14/*2, (7) 14/*5, *6 GROUND WIRE
58	1	2.5"	21 ft.	T	(1) 14/*5, *6 GROUND WIRE
59	1	4.0"	33 ft.	T	(3) 14/*2, (6) 14/*5, *6 GROUND WIRE
60	1	2.5"	22 ft.	T	(1) 14/*5, *6 GROUND WIRE
61	1	4.0"	54 ft.	T	(1) 14/*2, (5) 14/*5, *6 GROUND WIRE
62	1	2.5"	8 ft.	T	(1) 14/*5, *6 GROUND WIRE
63	1	2.5"	8 ft.	T	(1) 14/*5, *6 GROUND WIRE
64	1	4.0"	84 ft.	B	(1) 14/*2, (3) 14/*5, *6 GROUND WIRE
65	1	4.0"	200 ft.	T	COMM CABLE, *6 GROUND WIRE
66	1	1.5"	10 ft.	T	(1) 14/*2, *6 GROUND WIRE
67	1	4.0"	118 ft.	T	(3) 14/*2, *6 GROUND WIRE
68	1	4.0"	336 ft.	T	COMM CABLE, *6 GROUND WIRE
69	1	1.5"	16 ft.	T	(1) 14/*2, *6 GROUND WIRE
70	1	4.0"	258 ft.	T	(1) 14/*2, *6 GROUND WIRE
71	1	4.0"	73 ft.	T	(1) 14/*2, *6 GROUND WIRE
72	1	1.5"	12 ft.	T	(1) 14/*2, *6 GROUND WIRE
75	1	4.0"	209 ft.	T	(1) 14/*2, *6 GROUND WIRE
76	1	4.0"	145 ft.	T	(2) 14/*2, *6 GROUND WIRE
77	1	4.0"	210 ft.		EMPTY
78#	1	4.0"	145 ft.	B	EMPTY

*DENOTES EXISTING CONDUIT B = BORE, T = TRENCH, O = OPEN CUT

ALL NEW CONDUITS ARE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.



SIGNAL NOTES (CONTINUED)

10. ABANDAN EXISTING LOOP DETECTORS ON MEDIAN.
11. INSTALL PEDESTRIAN POLES 8,9,10 AND 11. COVER PEDESTRIAN HEADS UNTIL ULTIMATE SIGNAL PLAN.
12. ABANDAN EXISTING ADVANCE LOOP DETECTORS ON SOUTHBOUND SR 896.
13. ABANDAN EXISTING ADVANCE LOOP DETECTORS ON NORTHBOUND SR 896.
14. INSTALL NEW POLE BASES AND SPAN WIRE AS SHOWN ON THE PLAN . REMOVE EXISTING POLE BASES AND SPAN WIRE.
15. NO DETECTION SHALL BE OUT OF SERVICE FOR MORE THAN 7 DAYS.

SPAN WIRE SCHEDULE

SPAN	LENGTH	SPAN MOUNT HEIGHT	5% SAG	SPAN LOW POINT	BOTTOM OF LOWEST HEAD
SOUTH	128 FT	28 FT	6.4 FT	21.6 FT	17.6 FT
EAST/WEST	125 FT	28 FT	6.3 FT	21.8 FT	17.8 FT
NORTH	148 FT	28 FT	7.4 FT	20.6 FT	16.6 FT

* FIELD ADJUSTMENTS AS REQUIRED

SIGNAL PHASING

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
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- EXISTING UTILITY POLE
- PROPOSED JUNCTION WELL
- EXISTING JUNCTION WELL
- PROPOSED SIGNAL HEAD
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- EXISTING PEDESTRIAN SIGNAL HEAD
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- EXISTING PEDESTRIAN PUSHBUTTON
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- CO/# — PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
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- EXISTING SPAN INSULATOR
- P — SERVICE PEDESTAL

GENERAL SIGNAL NOTES

1. ALL SIGNAL POLES WILL BE 28 FEET, EXCEPT WHERE SHOWN.
2. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC DOVER, DELAWARE.
3. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.
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.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY OR 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 A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK IS IDENTIFIED, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC (302-659-2400) IMMEDIATELY BEFORE CONSTRUCTION.
6. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING, AND CONDUIT PLAN.
7. ALL NEW PEDESTRIAN SIGNAL SHALL CONTAIN COUNTDOWN PEDESTRIAN SIGNAL HEADS.
8. PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE CONSTRUCTED IMMEDIATELY ADJACENT TO FLAT (5%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. THE PEDESTRIAN PUSHBUTTON SHALL BE INSTALLED AT A HEIGHT OF 42 TO 48 INCHES ABOVE LANDING AREA/SIDEWALK, AND SHALL BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE IS 10 INCHES FROM THE LANDING AREA TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE SIDEWALK LEVEL. SHALL BE RETROREFLECTIZED IN ACCORDANCE WITH SECTION 6F.60 OF THE DELDOT MUTCD.
9. ALL PROPOSED LOOP DETECTOR LEAD-IN CONDUIT SHALL BE 1" FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT.

RECOMMENDED _____ DATE: 10/9/14 | RECOMMENDED _____ DATE: _____ | RECOMMENDED _____ DATE: 10/9/14 | APPROVED TRAFFIC ENGINEER _____ DATE: 10/10/14 | APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER _____ DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

N54, HOWELL SCHOOL ROAD AND SR 896

CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
COUNTY	CHECKED BY: TKF	
NEW CASTLE		

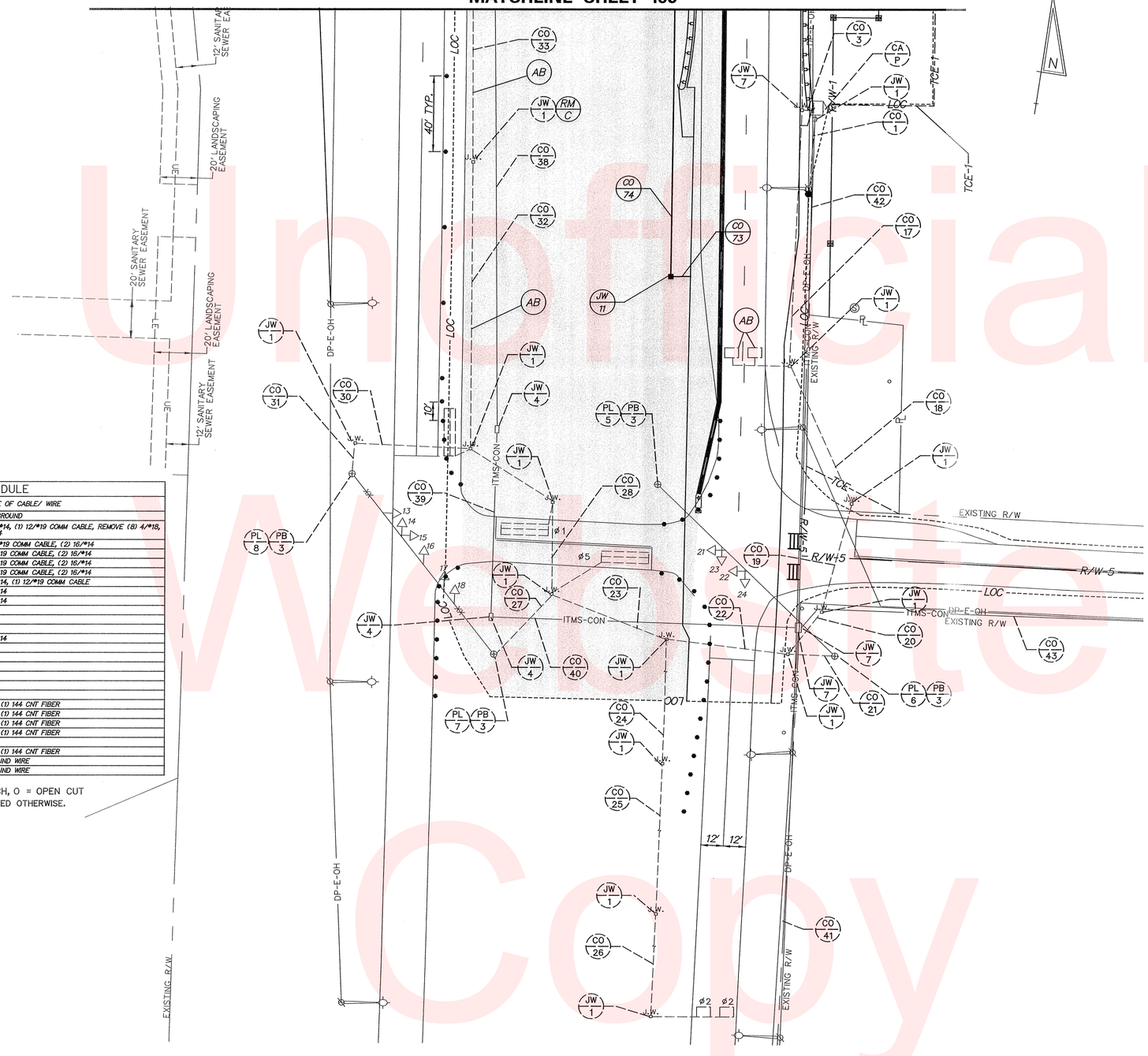
TEMPORARY SIGNAL PLAN PHASE 1B

SHEET NO. 135 | TOTAL SHTS. 138

\\WLM-SVR-01\PUBLIC\TRANSPORTATION\DDOT\0866 (HOWELL SCHOOL ROAD)\03 FINAL ENGINEERING\DGNS\SG02.DGN

Unofficial Web Copy

MATCHLINE SHEET 135

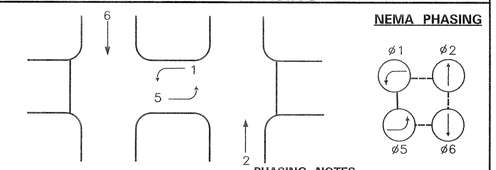


CONDUIT RUN SCHEDULE

CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1#	1	1.5"	100 ft.		(1) 2/#8 U.F. W/GROUND
3#	3	2.5"	5 ft.		(11) 4/#18, (2) 16/#14, (1) 12/#19 COMM CABLE, REMOVE (8) 4/#18, REMOVE (2) 16/#14
17#	1	2.5"	135 ft.		(10) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
18#	1	2.5"	79 ft.		(9) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
19#	1	2.5"	57 ft.		(9) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
20#	1	2.5"	29 ft.		(9) 4/#18, (1) 12/#19 COMM CABLE, (2) 16/#14
21#	1	2.5"	23 ft.		(2) 4/#18, (1) 16/#14, (1) 12/#19 COMM CABLE
22#	1	2.5"	64 ft.		(7) 4/#18, (1) 16/#14
23#	1	2.5"	60 ft.		(6) 4/#18, (1) 16/#14
24#	1	1.5"	150 ft.		(1) 4/#18
25#	1	1.5"	150 ft.		(1) 4/#18
26#	1	1.5"	100 ft.		(1) 4/#18
27#	1	2.5"	43 ft.		(2) 4/#18, (1) 16/#14
28#	1	2.5"	48 ft.		(3) 4/#18
29#	1	2.5"	51 ft.		(2) 4/#18
30#	1	2.5"	60 ft.		EMPTY
31#	1	2.5"	15 ft.		EMPTY
32#	1	2.5"	150 ft.		(1) 4/#18
33#	1	1.5"	150 ft.		(1) 4/#18
38#	1	4.0"	430 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
39#	1	4.0"	96 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
40#	1	4.0"	163 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
41#	1	4.0"	586 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
42#	1	4.0"	266 ft.		(1) 6 CNT FIBER
43#	1	4.0"	313 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
73	1	1.5"	11 ft.	T	(1) 14/#2, #6 GROUND WIRE
74	1	4.0"	166 ft.	T	(1) 14/#2, #6 GROUND WIRE

#DENOTES EXISTING CONDUIT B = BORE, T = TRENCH, O = OPEN CUT
ALL NEW CONDUITS ARE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.

SIGNAL PHASING



PHASING NOTES

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SIGNAL HEAD DIAGRAM

13,14,15,16,17,18,21,22,23,24

LEGEND

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GENERAL SIGNAL NOTES

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2. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC DOVER, DELAWARE.
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8. NO DETECTION SHALL BE OUT OF SERVICE FOR MORE THAN 7 DAYS.

RECOMMENDED _____ DATE: 10/9/14
RECOMMENDED _____ DATE: _____
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APPROVED TRAFFIC ENGINEER _____ DATE: 10/10/14
APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER _____ DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

N54, HOWELL SCHOOL ROAD AND SR 896

CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
COUNTY	CHECKED BY: TKF	
NEW CASTLE		

TEMPORARY SIGNAL PLAN PHASE 1B

SHEET NO.
136
TOTAL SHTS.
138

H:\TRANSPORTATION\DDOT\0806 (HOWELL SCHOOL ROAD)\03 FINAL ENGINEERING\DGNS\SG02A.DGN

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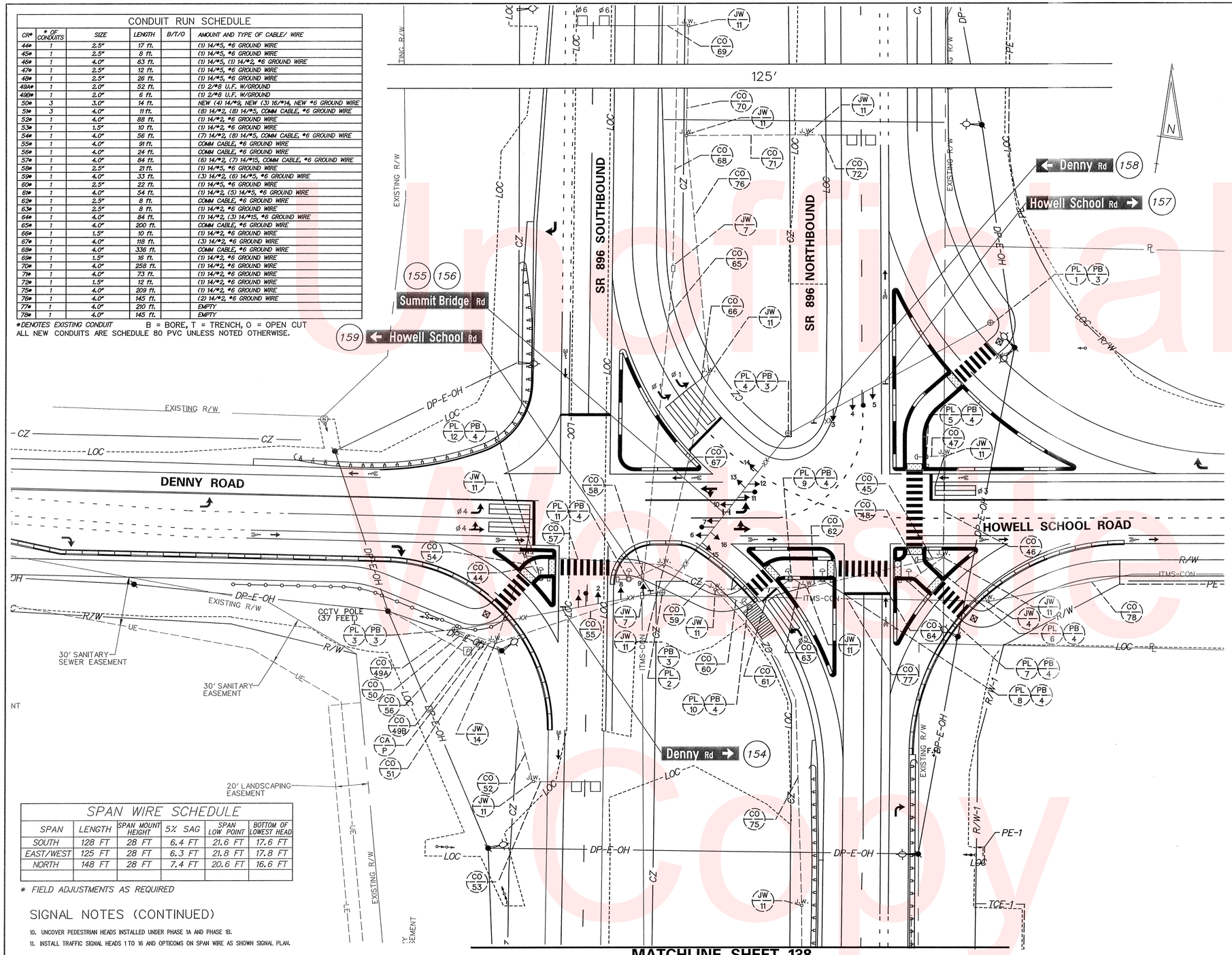
CONDUIT RUN SCHEDULE

CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
44#	1	2.5"	17 ft.		(1) 14/*5, *6 GROUND WIRE
45#	1	2.5"	8 ft.		(1) 14/*5, *6 GROUND WIRE
46#	1	4.0"	63 ft.		(1) 14/*5, (1) 14/*2, *6 GROUND WIRE
47#	1	2.5"	12 ft.		(1) 14/*5, *6 GROUND WIRE
48#	1	2.5"	26 ft.		(1) 14/*5, *6 GROUND WIRE
49A#	1	2.0"	52 ft.		(1) 2/*8 U.F. W/GROUND
49B#	1	2.0"	6 ft.		(1) 2/*8 U.F. W/GROUND
50#	3	3.0"	14 ft.		NEW (4) 14/*3, NEW (3) 16/*14, NEW *6 GROUND WIRE
51#	3	4.0"	11 ft.		(8) 14/*2, (8) 14/*5, COMM CABLE, *6 GROUND WIRE
52#	1	4.0"	88 ft.		(1) 14/*2, *6 GROUND WIRE
53#	1	1.5"	10 ft.		(1) 14/*2, *6 GROUND WIRE
54#	1	4.0"	56 ft.		(7) 14/*2, (8) 14/*5, COMM CABLE, *6 GROUND WIRE
55#	1	4.0"	91 ft.		COMM CABLE, *6 GROUND WIRE
56#	1	4.0"	24 ft.		COMM CABLE, *6 GROUND WIRE
57#	1	4.0"	84 ft.		(6) 14/*2, (7) 14/*15, COMM CABLE, *6 GROUND WIRE
58#	1	2.5"	21 ft.		(1) 14/*5, *6 GROUND WIRE
59#	1	4.0"	33 ft.		(3) 14/*2, (6) 14/*5, *6 GROUND WIRE
60#	1	2.5"	22 ft.		(1) 14/*5, *6 GROUND WIRE
61#	1	4.0"	54 ft.		(1) 14/*2, (5) 14/*5, *6 GROUND WIRE
62#	1	2.5"	8 ft.		COMM CABLE, *6 GROUND WIRE
63#	1	2.5"	8 ft.		(1) 14/*2, *6 GROUND WIRE
64#	1	4.0"	84 ft.		(1) 14/*2, (3) 14/*15, *6 GROUND WIRE
65#	1	4.0"	200 ft.		COMM CABLE, *6 GROUND WIRE
66#	1	1.5"	10 ft.		(1) 14/*2, *6 GROUND WIRE
67#	1	4.0"	118 ft.		(3) 14/*2, *6 GROUND WIRE
68#	1	4.0"	336 ft.		COMM CABLE, *6 GROUND WIRE
69#	1	1.5"	16 ft.		(1) 14/*2, *6 GROUND WIRE
70#	1	4.0"	258 ft.		(1) 14/*2, *6 GROUND WIRE
71#	1	4.0"	73 ft.		(1) 14/*2, *6 GROUND WIRE
72#	1	1.5"	12 ft.		(1) 14/*2, *6 GROUND WIRE
75#	1	4.0"	209 ft.		(1) 14/*2, *6 GROUND WIRE
76#	1	4.0"	145 ft.		(2) 14/*2, *6 GROUND WIRE
77#	1	4.0"	210 ft.		EMPTY
78#	1	4.0"	145 ft.		EMPTY

*DENOTES EXISTING CONDUIT B = BORE, T = TRENCH, O = OPEN CUT
ALL NEW CONDUITS ARE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.



SPAN WIRE SCHEDULE

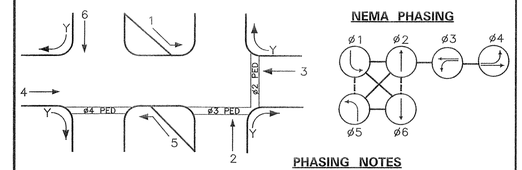
SPAN	LENGTH	SPAN MOUNT HEIGHT	5% SAG	SPAN LOW POINT	BOTTOM OF LOWEST HEAD
SOUTH	128 FT	28 FT	6.4 FT	21.6 FT	17.6 FT
EAST/WEST	125 FT	28 FT	6.3 FT	21.8 FT	17.8 FT
NORTH	148 FT	28 FT	7.4 FT	20.6 FT	16.6 FT

* FIELD ADJUSTMENTS AS REQUIRED

SIGNAL NOTES (CONTINUED)

10. UNCOVER PEDESTRIAN HEADS INSTALLED UNDER PHASE 1A AND PHASE 1B.
11. INSTALL TRAFFIC SIGNAL HEADS 1 TO 16 AND OPTICOMS ON SPAN WIRE AS SHOWN SIGNAL PLAN.

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

Note: Provide backplate for signal heads 13 to 16.

LEGEND

	PROPOSED SIGNAL CABINET	RM/C	REMOVE BY CONTRACTOR
	EXISTING SIGNAL CABINET	RM/TC	REMOVE BY TRAFFIC CONTRACTOR
	PROPOSED SIGNAL POLE BASE	RM/O	REMOVE BY OTHERS
	EXISTING SIGNAL POLE BASE	AB	ABANDON
	PROPOSED PEDESTRIAN POLE BASE	PB/X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
	EXISTING PEDESTRIAN POLE BASE	PB/X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
	PROPOSED WOOD POLE	PL/X	PROPOSED POLE IDENTIFIER (# OF POLE)
	EXISTING UTILITY POLE	PL/X	EXISTING POLE IDENTIFIER (# OF POLE)
	PROPOSED JUNCTION WELL	JW/X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
J.W.	EXISTING JUNCTION WELL	JW/X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
	PROPOSED SIGNAL HEAD	CO/#	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
	EXISTING SIGNAL HEAD	CO/#	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
	PROPOSED PEDESTRIAN SIGNAL HEAD	OH/#	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
	EXISTING PEDESTRIAN SIGNAL HEAD	OH/#	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
	PROPOSED PEDESTRIAN PUSHBUTTON	MA/XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
	EXISTING PEDESTRIAN PUSHBUTTON	MA/XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
	PROPOSED VIDEO DETECTION	CA/X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
	EXISTING VIDEO DETECTION	CA/X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
	PROPOSED MICROWAVE DETECTION		PROPOSED SPAN WIRE
	EXISTING MICROWAVE DETECTION	XX	EXISTING SPAN WIRE
	OVERHEAD SIGNING		RIGHT-OF-WAY OR PROPERTY LINE
	PROPOSED OPTICOM RECEIVER		PROPOSED SPAN INSULATOR
	EXISTING OPTICOM RECEIVER		EXISTING SPAN INSULATOR
	PROPOSED MAST ARM	P	SERVICE PEDESTAL
	EXISTING MAST ARM		
	PROPOSED LUMINAIRE		
	EXISTING LUMINAIRE		
	PROPOSED LOOP DETECTOR (TYPE 1 OR 2)		
	EXISTING LOOP DETECTOR (TYPE 1 OR 2)		

GENERAL SIGNAL NOTES

1. ALL SIGNAL POLES WILL BE 28 FEET, EXCEPT WHERE SHOWN.

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

3. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.

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.

5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY OR 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 A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK IS IDENTIFIED, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC (302-659-2400) IMMEDIATELY BEFORE CONSTRUCTION.

6. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING, AND CONDUIT PLAN.

7. ALL NEW PEDESTRIAN SIGNAL SHALL CONTAIN COUNTDOWN PEDESTRIAN SIGNAL HEADS.

8. PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE CONSTRUCTED IMMEDIATELY ADJACENT TO FLAT (SO1)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.THE PEDESTRIAN PUSHBUTTON SHALL BE INSTALLED AT A HEIGHT OF 42 TO 48 INCHES ABOVE LANDING AREA/SIDEWALK, AND SHALL BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE IS 10 INCHES FROM THE LANDING AREA TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE SIDEWALK LEVEL.SHALL BE RETROREFLECTRIZED IN ACCORDANCE WITH SECTION 6F.69 OF THE DELDOT MUTCD.

9. ALL PROPOSED LOOP DETECTOR LEAD-IN CONDUIT SHALL BE 1" FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT.

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RECOMMENDED _____ DATE: 10/9/14
RECOMMENDED _____ DATE: _____
RECOMMENDED _____ DATE: 10/9/14
APPROVED TRAFFIC ENGINEER _____ DATE: 10/10/14
APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER _____ DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

SCALE 0 30 60 90 FEET

N54, HOWELL SCHOOL ROAD AND SR 896

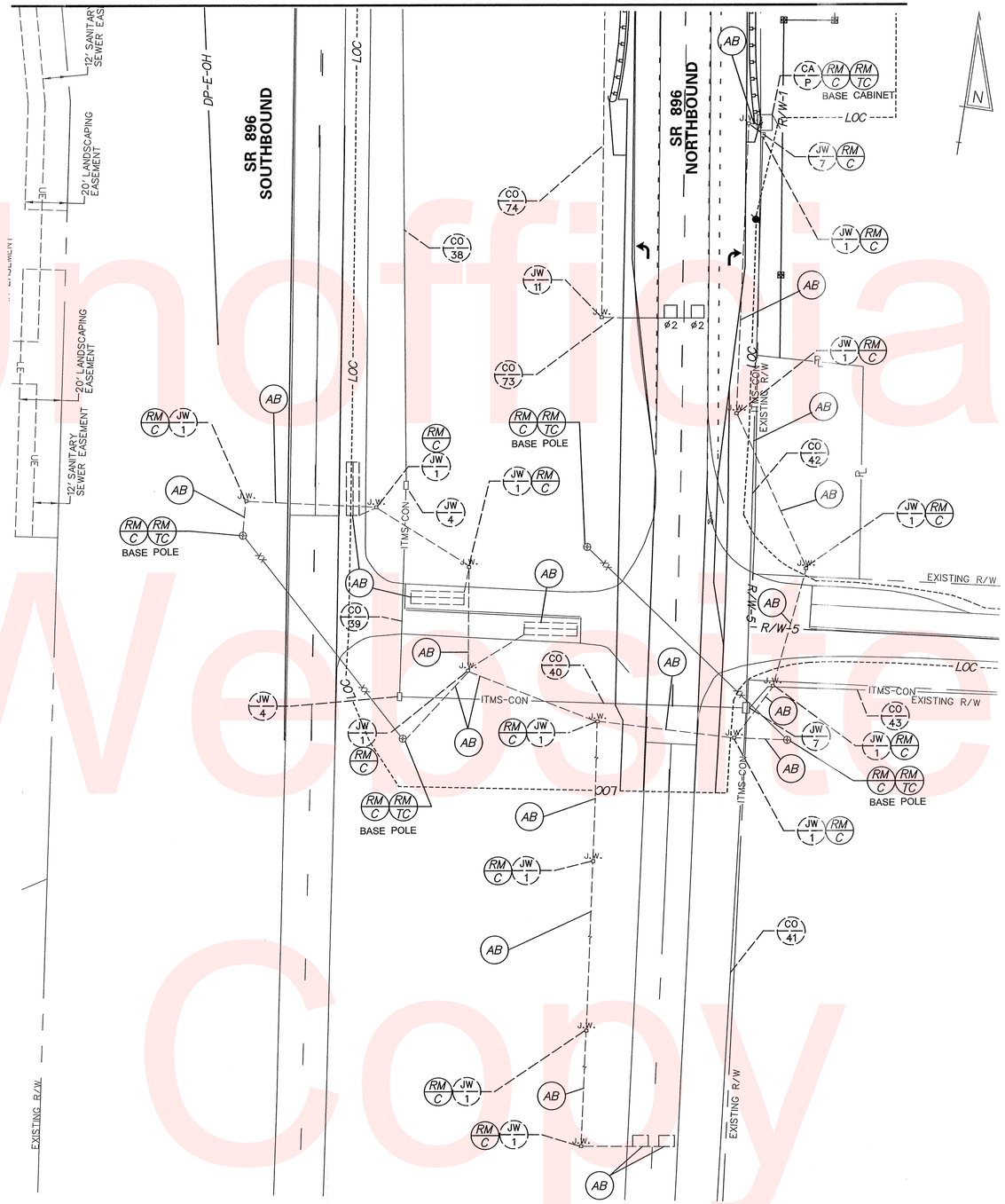
CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
COUNTY		
NEW CASTLE	CHECKED BY: TKF	

ULTIMATE SIGNAL PLAN

SHEET NO.
137
TOTAL SHTS.
138

MATCHLINE SHEET 140

CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
38#	1	4.0"	430 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
39#	1	4.0"	96 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
40#	1	4.0"	163 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
41#	1	4.0"	586 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
42#	1	4.0"	266 ft.		(1) 6 CNT FIBER
43#	1	4.0"	313 ft.		(1) 48 CNT FIBER, (1) 144 CNT FIBER
73#	1	1.5"	11 ft.		(1) 14/#2, #6 GROUND WIRE
74#	1	4.0"	166 ft.		(1) 14/#2, #6 GROUND WIRE



SIGNAL PHASING

SIGNAL HEAD DIAGRAM

LEGEND

PROPOSED SIGNAL CABINET	REMOVE BY CONTRACTOR
EXISTING SIGNAL CABINET	REMOVE BY TRAFFIC CONTRACTOR
PROPOSED SIGNAL POLE BASE	REMOVE BY OTHERS
EXISTING SIGNAL POLE BASE	ABANDON
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EXISTING SIGNAL HEAD	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
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EXISTING MAST ARM	
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CHIEF TRAFFIC ENGINEER [signature] DATE: 10/14/14

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

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N54, HOWELL SCHOOL ROAD AND SR 896

CONTRACT	PERMIT NO.	N531
T200504110	DESIGNED BY: AB	
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ULTIMATE SIGNAL PLAN

SHEET NO. 138

TOTAL SHTS. 138

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