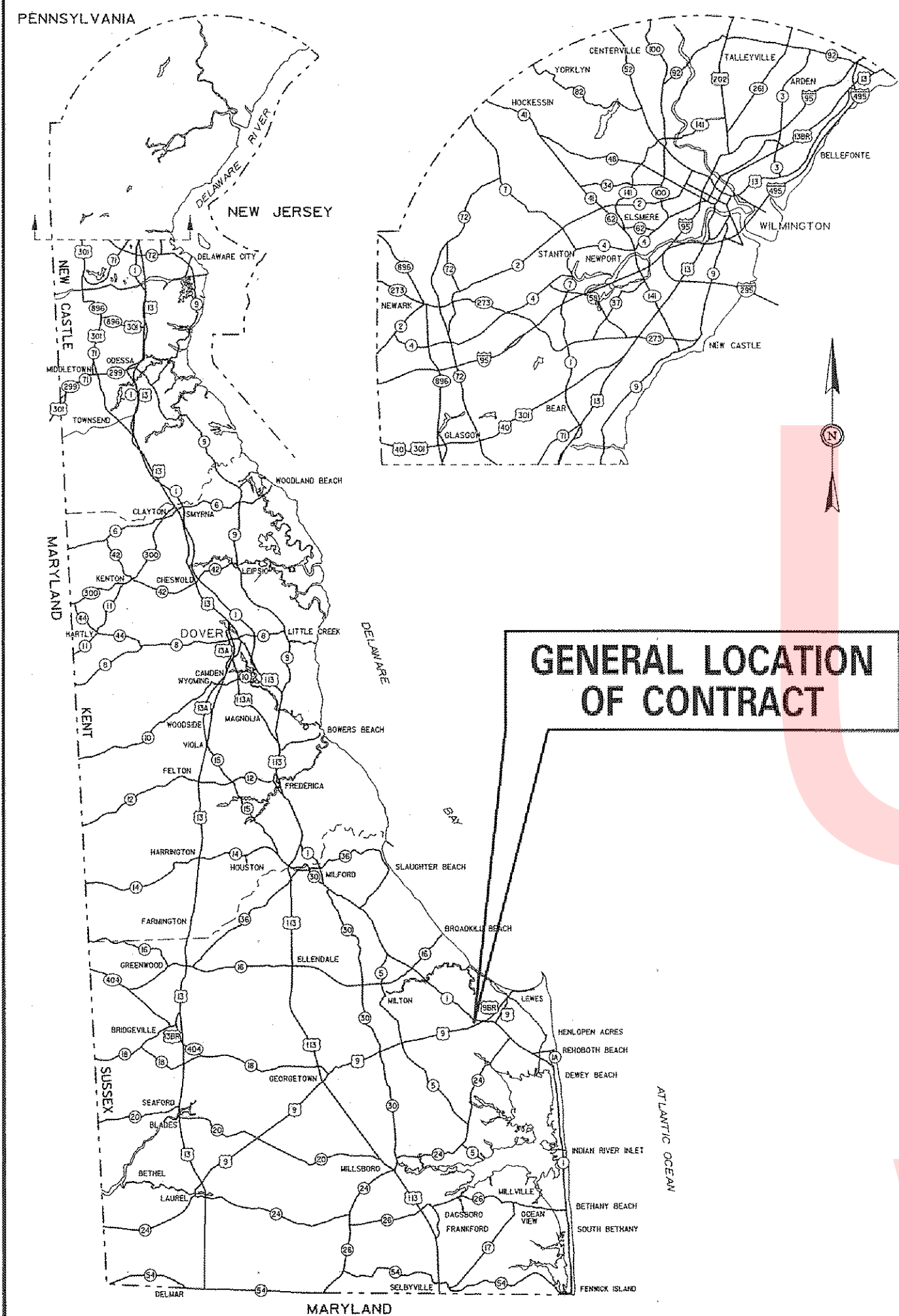


THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY
UNITS

DESIGN DESIGNATION - SHADY ROAD			
FUNCTIONAL CLASS: LOCAL	D.H.V. PROJECTED: -	YEAR: -	
TYPE OF CONSTRUCTION: -	DESIGN SPEED: 40 M.P.H.		
A.A.D.T. CURRENT: 3,779	YEAR: 2012	TRUCKS: -	
A.A.D.T. PROJECTED: 4,782	YEAR: 2020	DIRECTION OF DISTRIBUTION: -	



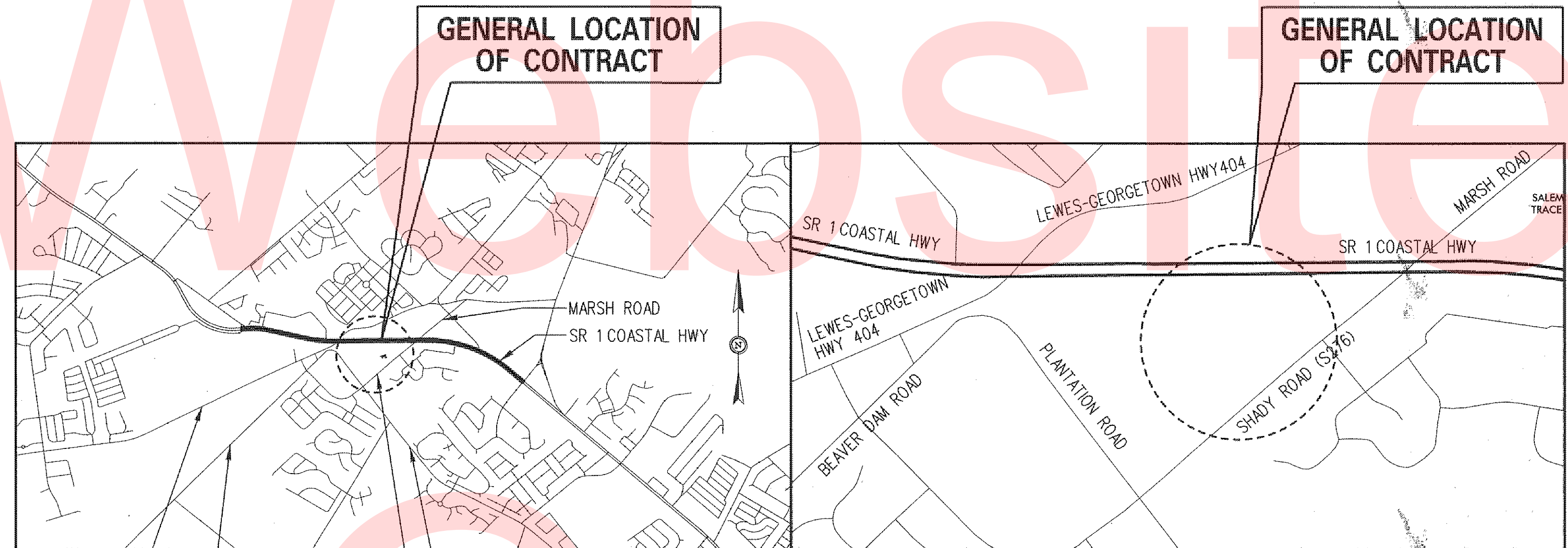
GENERAL LOCATION OF CONTRACT

CONSTRUCTION PLANS FOR:

LEWES PARK & RIDE AND SITE WORK

CONTRACT NUMBER: T200612502.02
FEDERAL AID PROJECT NUMBER: DE-04-0003

COUNTY: SUSSEX



GENERAL LOCATION OF CONTRACT

GENERAL LOCATION OF CONTRACT

VICINITY MAP
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS	
DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS	
CONTRACT NO.	CONTRACT NAME

PREPARED BY
THE CONSULTING FIRM OF

Whitman, Requardt & Associates, LLP

RECOMMENDED *[Signature]* DATE 10/28/15

RECOMMENDED

SQUAD MANAGER, CONSTRUCTION _____ DATE _____

GROUP ENGINEER, CONSTRUCTION _____ DATE _____

ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) _____ DATE _____

SEAL

<p style="font-weight: bold;">RECOMMENDED</p> <p><i>Vincent W. Davis</i></p> <p style="font-size: small;">STORMWATER ENGINEER</p> <p>DATE <u>9 Nov 2015</u></p>	<p>SEAL</p>	<p style="font-weight: bold;">RECOMMENDED</p> <p style="font-size: small;">SQUAD MANAGER, TRANSPORTATION SOLUTIONS (PROJECT DEVELOPMENT OR BRIDGE DESIGN)</p> <p>DATE _____</p>	<p style="font-weight: bold;">RECOMMENDED</p> <p style="font-size: small;">BRIDGE DESIGN ENGINEER</p> <p>DATE _____</p>	<p style="font-weight: bold;">RECOMMENDED</p> <p style="font-size: small;">GROUP ENGINEER, PROJECT DEVELOPMENT</p> <p>DATE _____</p>	<p style="font-weight: bold;">RECOMMENDED</p> <p style="font-size: small;">ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS</p> <p>DATE _____</p>	<p style="font-weight: bold;">RECOMMENDED AS TO PROCESS</p> <p><i>Robert B. McCleary</i></p> <p style="font-size: small;">CHIEF ENGINEER</p> <p>DATE <u>11/09/2015</u></p>
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LAST REVISED: 8/7/2008
N:\90181-019\CADD\CP01-90181004G-001.DGN

DRAWING INDEX

DRAWING INDEX (CONTINUED)

No	CADD FILES	DRAWING No	DRAWING NAMES
GENERAL			
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2	CP01-90181004G-002	G-002	DRAWING INDEX
CIVIL			
3	CP01-90181004C-101	C-101	EXISTING CONDITION / DEMOLITION PLAN
4	CP01-90181004C-102	C-102	SITE PLAN
5	CP01-90181004C-103	C-103	GRADING PLAN
6	CP01-90181004C-104	C-104	STORM DRAIN PLAN
7	CP01-90181004C-105	C-105	WATER & SEWER PLAN
8	CP01-90181004C-106	C-106	STAKEOUT & LAYOUT PLAN
9	CP01-90181004C-107	C-107	STORM DRAIN PROFILES
10	CP01-90181004C-108	C-108	WATER & SEWER PROFILES
11	CP01-90181004C-301	C-301	ENLARGED GRADING PLAN
12	CP01-90181004C-401	C-401	SITE DETAILS
13	CP01-90181004C-402	C-402	WATER & SEWER DETAILS
14	CP01-90181004C-403	C-403	DRAINAGE DETAILS
15	CP01-90181004C-404	C-404	PAVEMENT DETAILS
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18	CS02_LEWES	CS-02	EROSION AND SEDIMENT CONTROL PLAN - STAGE 2
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22	LD-03_LEWES	LD-03	LANDSCAPE DETAILS
23	LD-03_LEWES	LD-04	LANDSCAPE DETAILS
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25	SW02_LEWES	SW-02	STORMWATER MANAGEMENT PLAN
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27	SW04_LEWES	SW-04	STORMWATER MANAGEMENT STAKEOUT PLAN
28	SW05_LEWES	SW-05	STORMWATER MANAGEMENT PROFILES
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31	CP01-90181004H1-01	H1-01	TYPICAL SECTIONS
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39	CP01-90181004H8-01	H8-01	CONSTRUCTION DETAILS
40	CP01-90181004H12-01	H12-01	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN
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42	CP01-90181004H12-03	H12-03	CONSTRUCTION PHASING AND M.O.T. PLAN - PHASE 1
43	CP01-90181004H12-04	H12-04	CONSTRUCTION PHASING AND M.O.T. PLAN - PHASE 1
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45	CP01-90181004H12-06	H12-06	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2
46	CP01-90181004H12-07	H12-07	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3
47	CP01-90181004H12-08	H12-08	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3
48	CP01-90181004H12-09	H12-09	DETOUR PLAN
49	CP01-90181004H13-01	H13-01	SIGNING AND STRIPING PLAN
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56	CP01-90181004H13-08	H13-08	SIGNING SCHEDULE

No	CADD FILES	DRAWING No	DRAWING NAMES
ELECTRICAL			
57	CP01-90181019E-001	E-001	ELECTRICAL LEGEND
58	CP01-901810194E-002	E-002	ELECTRICAL ABBREVIATIONS & DIAGRAM LEGEND
59	CP01-90181019E-003	E-003	ELECTRICAL GENERAL NOTES
60	CP01-90181019ED-100	ED-100	ELECTRICAL EXISTING SITE PLAN DEMOLITION
61	CP01-90181019E-100	E-100	ELECTRICAL SITE PLAN
62	CP01-90181019E-301	E-301	ELECTRICAL FLOOR PLANS - UTILITY BUILDING
63	CP01-90181019E-501	E-501	ELECTRICAL SINGLE LINE DIAGRAM
64	CP01-90181019E-601	E-601	ELECTRICAL DETAILS
65	CP01-90181019E-602	E-602	ELECTRICAL DETAILS
66	CP01-90181019E-603	E-603	ELECTRICAL DETAILS
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69	CP01-90181019E-606	E-606	ELECTRICAL DETAILS
70	CP01-90181019E-607	E-607	ELECTRICAL DETAILS
71	CP01-90181019E-701	E-701	LIGHTING FIXTURE SCHEDULE
72	CP01-90181019E-702	E-702	ELECTRICAL PANEL SCHEDULES

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Website
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ADDENDUMS / REVISIONS

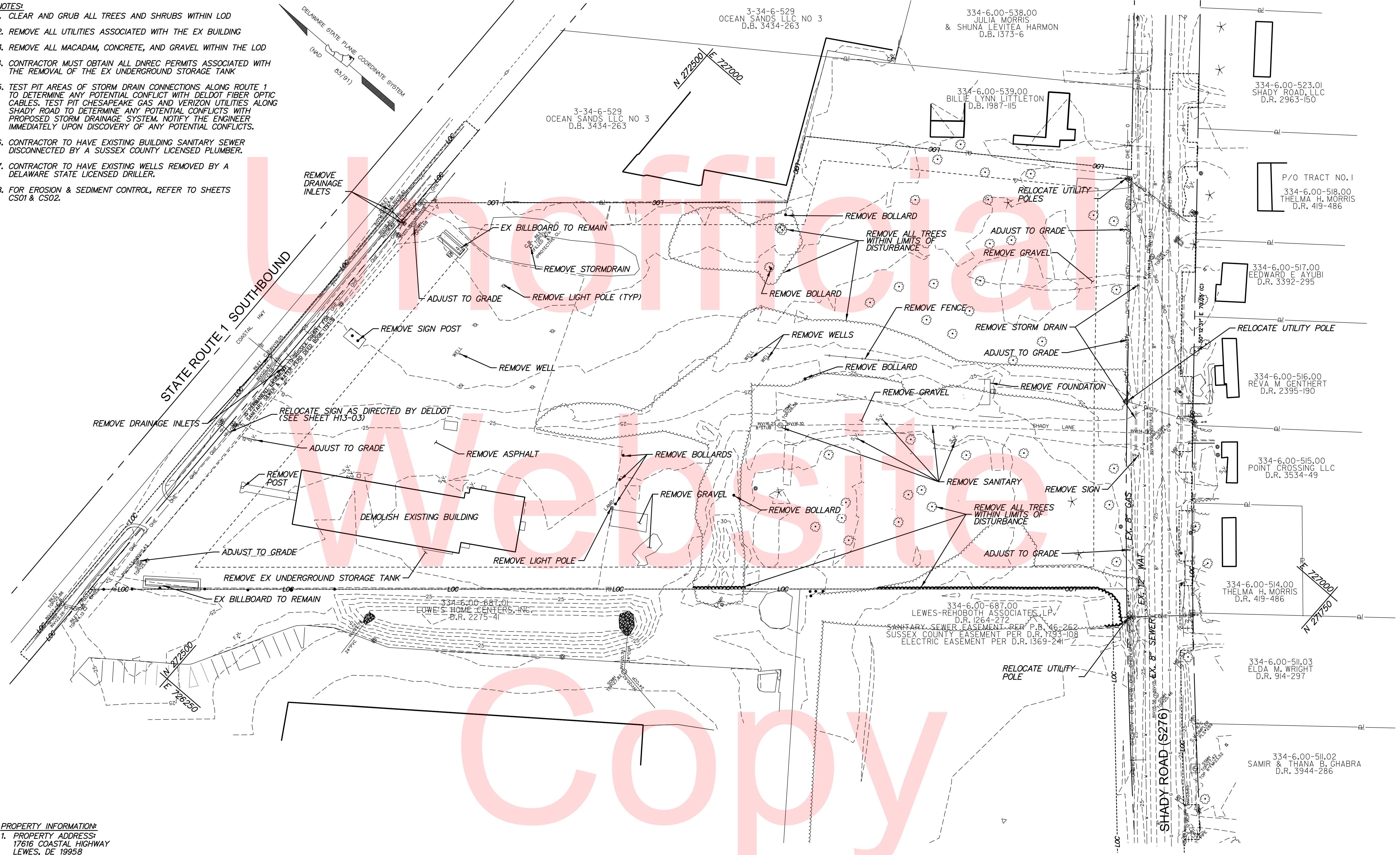
LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

DRAWING INDEX

G-002
SHEET NO.
2
TOTAL SHTS.
72

- NOTES:**
1. CLEAR AND GRUB ALL TREES AND SHRUBS WITHIN LOD
 2. REMOVE ALL UTILITIES ASSOCIATED WITH THE EX BUILDING
 3. REMOVE ALL MACADAM, CONCRETE, AND GRAVEL WITHIN THE LOD
 4. CONTRACTOR MUST OBTAIN ALL DNREC PERMITS ASSOCIATED WITH THE REMOVAL OF THE EX UNDERGROUND STORAGE TANK
 5. TEST PIT AREAS OF STORM DRAIN CONNECTIONS ALONG ROUTE 1 TO DETERMINE ANY POTENTIAL CONFLICT WITH DELDOT FIBER OPTIC CABLES. TEST PIT CHESAPEAKE GAS AND VERIZON UTILITIES ALONG SHADY ROAD TO DETERMINE ANY POTENTIAL CONFLICTS WITH PROPOSED STORM DRAINAGE SYSTEM. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY POTENTIAL CONFLICTS.
 6. CONTRACTOR TO HAVE EXISTING BUILDING SANITARY SEWER DISCONNECTED BY A SUSSEX COUNTY LICENSED PLUMBER.
 7. CONTRACTOR TO HAVE EXISTING WELLS REMOVED BY A DELAWARE STATE LICENSED DRILLER.
 8. FOR EROSION & SEDIMENT CONTROL, REFER TO SHEETS CS01 & CS02.

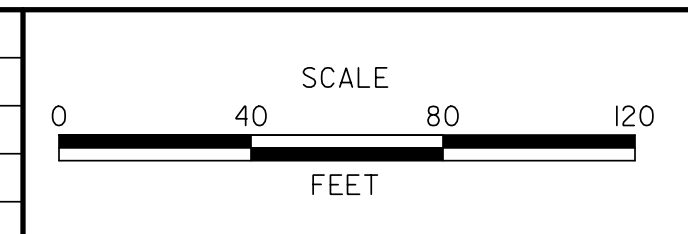


PROPERTY INFORMATION:

1. PROPERTY ADDRESS:
17616 COASTAL HIGHWAY
LEWES, DE 19958
2. ZONING: C-1 COMMERCIAL



ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: PMG
	CHECKED BY: PMG

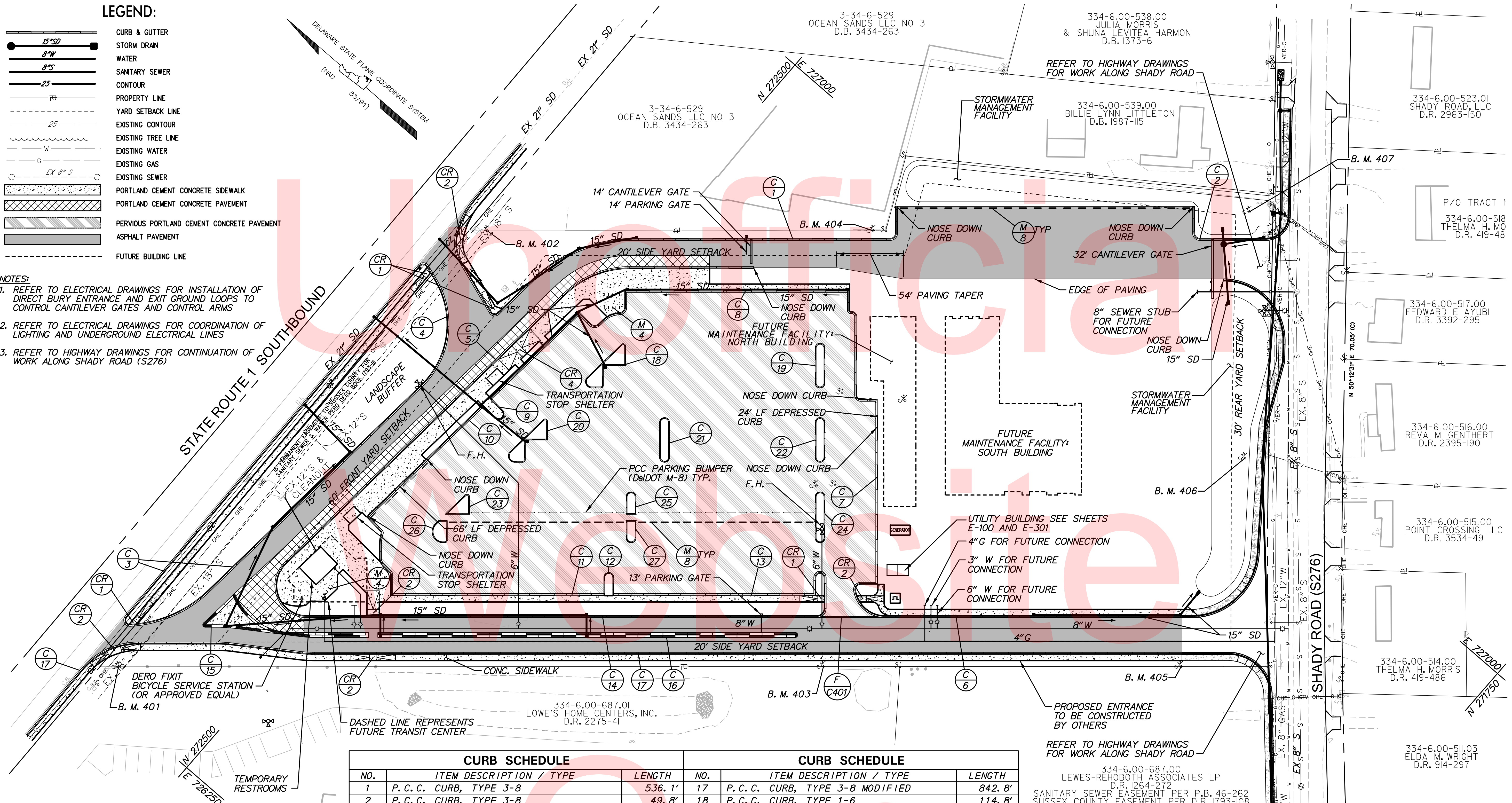
**EXISTING CONDITIONS /
DEMOLITION PLAN**

C-101
SHEET NO. 3
TOTAL SHTS. 72

LEGEND:

	CURB & GUTTER
	STORM DRAIN
	WATER
	SANITARY SEWER
	CONTOUR
	PROPERTY LINE
	YARD SETBACK LINE
	EXISTING CONTOUR
	EXISTING TREE LINE
	EXISTING WATER
	EXISTING GAS
	EXISTING SEWER
	PORTLAND CEMENT CONCRETE SIDEWALK
	PORTLAND CEMENT CONCRETE PAVEMENT
	PERVIOUS PORTLAND CEMENT CONCRETE PAVEMENT
	ASPHALT PAVEMENT
	FUTURE BUILDING LINE

- NOTES:**
- REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF DIRECT BURY ENTRANCE AND EXIT GROUND LOOPS TO CONTROL CANTILEVER GATES AND CONTROL ARMS
 - REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF LIGHTING AND UNDERGROUND ELECTRICAL LINES
 - REFER TO HIGHWAY DRAWINGS FOR CONTINUATION OF WORK ALONG SHADY ROAD (S276)



BENCH MARK INFORMATION:

POINT#	NORTHING	EASTING	ELEV.	DESCRIPTION
401	272594.8598	726275.4614	24.49	CONCRETE MONUMENT
402	272600.0252	726736.2719	22.16	CONCRETE MONUMENT
403	272164.8638	726648.1142	29.40	CONCRETE MONUMENT
404	272364.6158	726940.3069	22.41	CONCRETE MONUMENT
405	271946.6363	726837.2111	26.77	CONCRETE MONUMENT
406	272017.8375	726997.9937	25.07	CONCRETE MONUMENT
407	272145.2257	727150.6042	23.38	CONCRETE MONUMENT

CURB SCHEDULE			CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH	NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB, TYPE 3-8	536.1'	17	P. C. C. CURB, TYPE 3-8 MODIFIED	842.8'
2	P. C. C. CURB, TYPE 3-8	49.8'	18	P. C. C. CURB, TYPE 1-6	114.8'
3	P. C. C. CURB, TYPE 3-8	724.5'	19	P. C. C. CURB, TYPE 1-6	81.0'
4	P. C. C. CURB, TYPE 3-8 MODIFIED	82.6'	20	P. C. C. CURB, TYPE 1-6	112.3'
5	P. C. C. CURB, TYPE 3-8 MODIFIED	504.0'	21	P. C. C. CURB, TYPE 1-6	81.0'
6	P. C. C. CURB, TYPE 3-8	262.0'	22	P. C. C. CURB, TYPE 1-6	81.0'
7	P. C. C. CURB, TYPE 3-6 MODIFIED	290.5'	23	P. C. C. CURB, TYPE 1-6	60.9'
8	P. C. C. CURB, TYPE 3-6	240.8'	24	P. C. C. CURB, TYPE 1-6	91.0'
9	P. C. C. CURB, TYPE 1-6	42.6'	25	P. C. C. CURB, TYPE 1-6	48.6'
10	P. C. C. CURB, TYPE 3-6	128.1'	26	P. C. C. CURB, TYPE 1-6	52.1'
11	P. C. C. CURB, TYPE 3-6 MODIFIED	242.1'	27	P. C. C. CURB, TYPE 1-6	48.6'
12	P. C. C. CURB, TYPE 1-6	42.1'			
13	P. C. C. CURB, TYPE 3-6 MODIFIED	215.1'			
14	P. C. C. CURB, TYPE 3-8	452.6'			
15	P. C. C. CURB, TYPE 2	296.1'			
16	P. C. C. CURB, TYPE 2	684.1'			

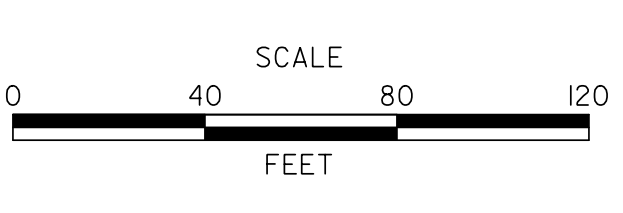
*SEE SITE DETAILS (SHEET C-401) FOR MODIFIED CURB DETAILS

BUILDING NAME	BUILDING DESCRIPTION	AREA	STORIES / HEIGHT	SPRINKLERS	CONSTRUCTION TYPE	OCCUPANCY / USE
MAINTENANCE FACILITY: NORTH BUILDING (FUTURE)	DRIVERS LOUNGE AND DISPATCH	4,474 SF	1 / 15'-0"	YES	II (000)	ASSEMBLY (<300)
MAINTENANCE FACILITY: SOUTH BUILDING (FUTURE)	BUS MAINTENANCE SHOPS	11,220 SF	1 / 32'-0"	YES	II (000)	INDUSTRIAL (MINOR REPAIR GARAGE)
TEMPORARY RESTROOMS	PRECAST CONCRETE MODULAR TOILET ROOMS	460 SF	1 / 12'-0"	NO	II (000)	BUSINESS
FUTURE TRANSIT CENTER	FUTURE PERMANENT TOILET ROOMS AND VISITOR CENTER	+/- 2,500 SF	1 / 21'-0"	PROPOSED	II (000)	ASSEMBLY (<300)
TEMPORARY ELECTRICAL BUILDING	PRECAST CONCRETE MODULAR BUILDING FOR ELECTRICAL SERVICE	500 SF	1 / 21'-0"	NO	II (000)	UTILITY

- THESE STRUCTURES WILL BE PROTECTED BY AUTOMATIC SPRINKLERS IN ACCORDANCE WITH NFPA 13.
- ALL FIRE LANES, FIRE HYDRANTS, AND FIRE DEPARTMENT CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH THE DELAWARE STATE FIRE PREVENTION REGULATIONS.
- LOCK BOXES REQUIRED, CONTACT LOCAL FIRE CHIEF FOR ORDERING INFORMATION AND LOCATION OF BOXES ON THE BUILDINGS.



ADDENDUMS / REVISIONS	

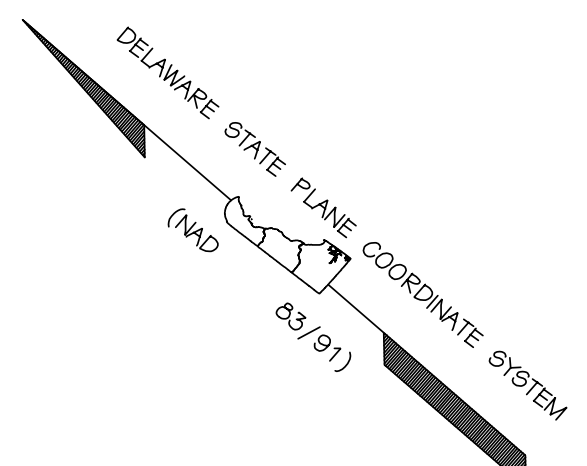


LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY:
	CHECKED BY:

SITE PLAN	
SHEET NO. 4	TOTAL SHTS. 72

NO: 9019-019 CAD: C:\P01-90181004-C-102.dgn 10/30/2015 10:28:52 AM



3-34-6-529
OCEAN SANDS LLC NO 3
D.B. 3434-263

334-6.00-538.00
JULIA MORRIS
& SHUNA LEVITEA HARMON
D.B. 1373-6

3-34-6-529
OCEAN SANDS LLC NO 3
D.B. 3434-263

334-6.00-539.00
BILLIE LYNN LITTLETON
D.B. 1987-115

334-6.00-523.01
SHADY ROAD, LLC
D.R. 2963-150

P/O TRACT NO.
334-6.00-518.00
THELMA H. MORRI
D.R. 419-486

334-6.00-517.00
EEDWARD E. AYUBI
D.R. 3392-295

334-6.00-516.00
REVA M. GENTHERT
D.R. 2395-190

334-6.00-515.00
POINT CROSSING LLC
D.R. 3534-49

334-6.00-514.00
THELMA H. MORRIS
D.R. 419-486

334-6.00-511.03
ELDA M. WRIGHT
D.R. 914-297

334-6.00-511.02
SAMIR & THANA B. GHAB
D.R. 3944-286

STATE ROUTE 1 SOUTHBOUND

SHADY ROAD (S276)

REFER TO SHEET SW-01
FOR DETAILS OF STORMWATER
MANAGEMENT FACILITY

REFER TO SHEET SW-02
FOR DETAILS OF STORMWATER
MANAGEMENT FACILITY

REFER TO SHEET C-301 FOR
GRADING DETAILS OF HANDICAP
PARKING AREA

REFER TO SHEET C-301 FOR
GRADING DETAILS OF HANDICAP
PARKING AREA

FUTURE MAINTENANCE FACILITY:
NORTH BUILDING

FUTURE MAINTENANCE FACILITY:
SOUTH BUILDING

PROPOSED ENTRANCE
TO BE CONSTRUCTED
BY OTHERS

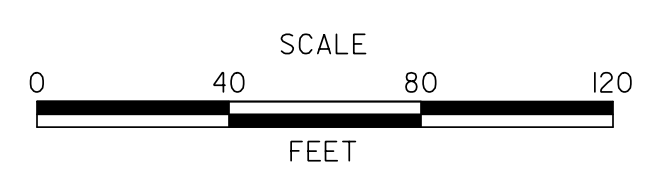
334-6.00-687.01
LOWE'S HOME CENTERS, INC.
D.R. 2275-41

334-6.00-687.00
LEWES-REHOBOTH ASSOCIATES LP
D.R. 1264-272
SANITARY SEWER EASEMENT PER P.B. 46-262
SUSSEX COUNTY EASEMENT PER D.R. 1793-108
ELECTRIC EASEMENT PER D.R. 1369-241

NOTE:
1. THE CROSS SLOPE WITHIN CROSSWALKS SHALL BE A MAXIMUM OF 2%.

GRADING ABBREVIATIONS
M.E.G. MATCH EXISTING GRADE, REPORT ANY DISCREPANCY TO THE ENGINEER
TC TOP OF CURB
BC BOTTOM OF CURB

ADDENDUMS / REVISIONS



LEWES PARK & RIDE
AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: PMG
	CHECKED BY: PMG

GRADING PLAN

C-103
SHEET NO. 5
TOTAL SHTS. 72



NO. 90181-019 CADW/CADD/CPQ-190181004-C-103.dgn
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WATER MATERIAL LIST	
ITEM DESCRIPTION	QUANTITY
8" PVC (CL. 150)	804 LF
6" PVC (CL. 150)	267 LF
6" DIP (CL. 52)	19 LF
3" PVC (CL. 150)	76 LF
2" PVC (CL. 150)	35 LF
6" FIRE HYDRANTS	3
8" VALVES	3
6" VALVES	2
3" VALVES	2
8" X6" TEE	4
3" 45° HORZ. BENDS	1
2" 45° HORZ. BENDS	1
6" 45° HORZ. BENDS	1
6" 45° VERT. BENDS	4
8" 45° VERT. BENDS	4
8" CAP	1
6" CAP	2
3" CAP	1
12" X8" TAPPING SLEEVE	1
12" X6" TAPPING SLEEVE	1
2" BLOW OFF ASSEMBLY W/ VAULT	3
RESTRAINED JOINTS	823 LF

SANITARY SEWER MATERIAL LIST	
ITEM DESCRIPTION	QUANTITY
8" PVC (SDR-35)	80 LF
4" PVC (SDR-35)	49 LF
SEWER CLEANOUT	1

- NOTES:
- REFER TO SHEETS C-104 FOR ADDITIONAL STORM DRAIN PIPING INFORMATION.
 - INSTALLATION OF WATER AND SEWER SHALL BE IN ACCORDANCE WITH SUSSEX COUNTY STANDARDS AND SPECIFICATIONS.
 - REFER TO SHEET C-108 FOR WATER AND SEWER PROFILES.

NOTE: CONTRACTOR TO TEST PIT FOR LOCATION AND INVERT OF EXISTING SEWER, CLEANOUT BEFORE STARTING WORK

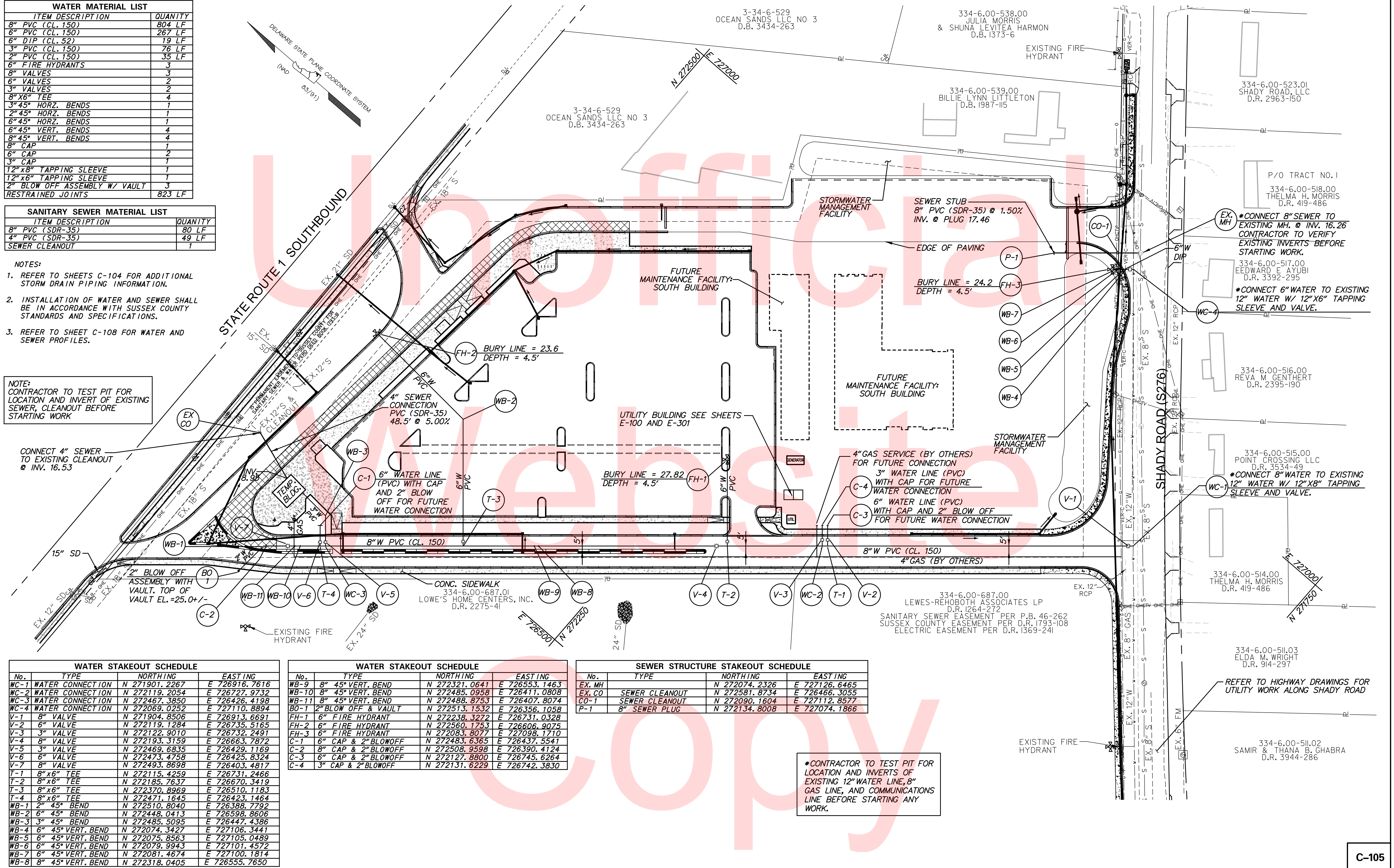
CONNECT 4" SEWER TO EXISTING CLEANOUT @ INV. 16.53

WATER STAKEOUT SCHEDULE			
No.	TYPE	NORTHING	EASTING
WC-1	WATER CONNECTION	N 271901.2267	E 726916.7616
WC-2	WATER CONNECTION	N 272119.2054	E 726727.9732
WC-3	WATER CONNECTION	N 272467.3850	E 726426.4198
WC-4	WATER CONNECTION	N 272069.0252	E 727110.8894
V-1	8" VALVE	N 271904.8506	E 726913.6691
V-2	6" VALVE	N 272119.1284	E 726735.5165
V-3	3" VALVE	N 272122.9010	E 726732.2491
V-4	8" VALVE	N 272193.3159	E 726663.7872
V-5	3" VALVE	N 272469.6835	E 726429.1169
V-6	6" VALVE	N 272473.4758	E 726425.8324
V-7	8" VALVE	N 272493.8698	E 726403.4817
T-1	8" X6" TEE	N 272115.4259	E 726731.2466
T-2	8" X6" TEE	N 272185.7637	E 726670.3419
T-3	8" X6" TEE	N 272370.8969	E 726510.1183
T-4	8" X6" TEE	N 272471.1645	E 726423.1464
WB-1	2" 45° BEND	N 272510.8040	E 726388.7792
WB-2	6" 45° BEND	N 272448.0413	E 726598.8606
WB-3	3" 45° BEND	N 272485.5095	E 726447.4386
WB-4	6" 45° VERT. BEND	N 272074.3427	E 727106.3441
WB-5	6" 45° VERT. BEND	N 272075.8563	E 727105.0489
WB-6	6" 45° VERT. BEND	N 272079.9943	E 727101.4572
WB-7	6" 45° VERT. BEND	N 272081.4674	E 727100.1814
WB-8	8" 45° VERT. BEND	N 272318.0405	E 726555.7650

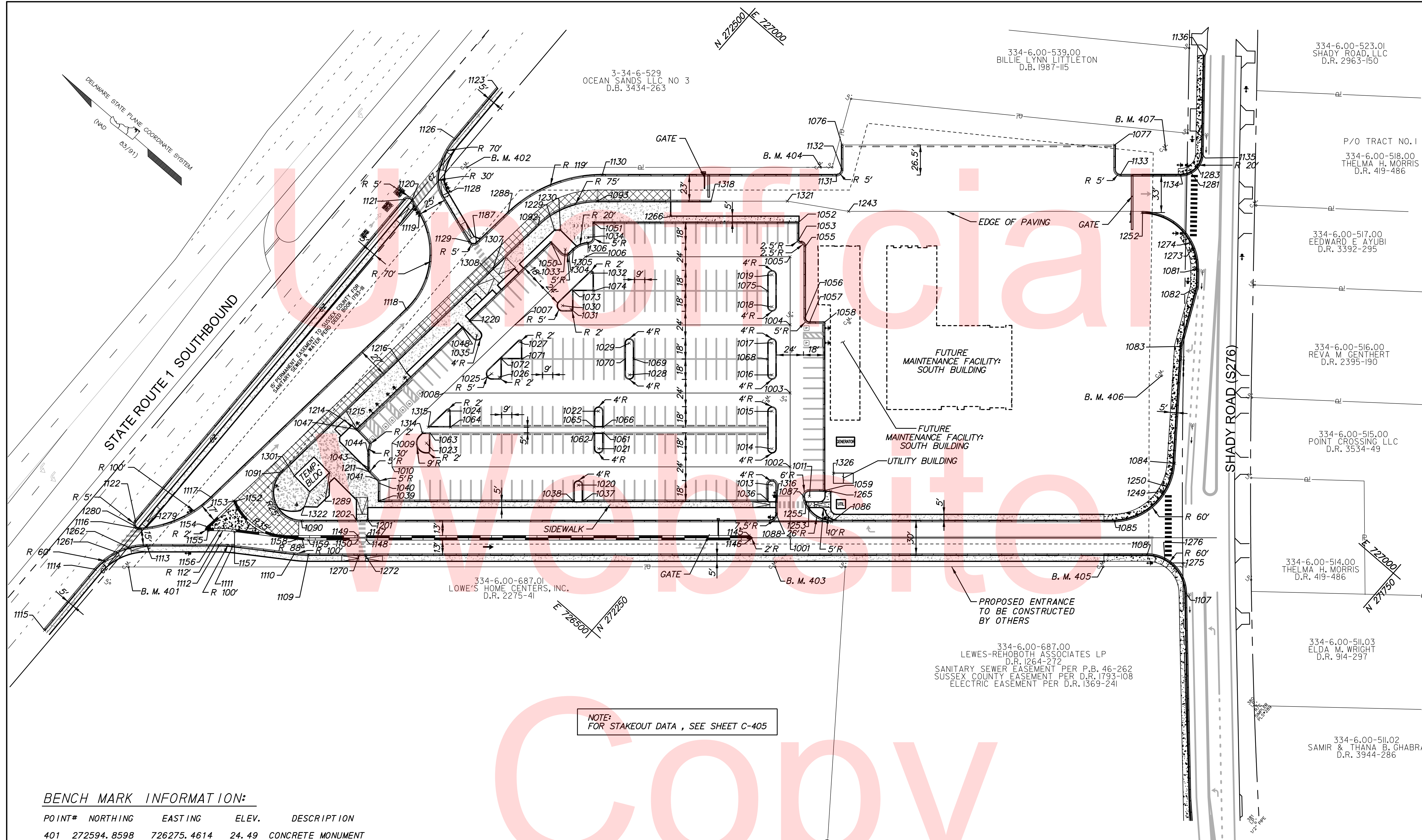
WATER STAKEOUT SCHEDULE			
No.	TYPE	NORTHING	EASTING
WB-9	8" 45° VERT. BEND	N 272321.0641	E 726553.1463
WB-10	8" 45° VERT. BEND	N 272485.0958	E 726411.0808
WB-11	8" 45° VERT. BEND	N 272488.8753	E 726407.8074
BO-1	2" BLOW OFF & VAULT	N 272513.1532	E 726356.1058
FH-1	6" FIRE HYDRANT	N 272238.3272	E 726731.0328
FH-2	6" FIRE HYDRANT	N 272560.1753	E 726606.9075
FH-3	6" FIRE HYDRANT	N 272083.8077	E 727098.1710
C-1	6" CAP & 2" BLOWOFF	N 272483.6365	E 726437.5541
C-2	8" CAP & 2" BLOWOFF	N 272508.9598	E 726390.4124
C-3	6" CAP & 2" BLOWOFF	N 272127.8800	E 726745.6264
C-4	3" CAP & 2" BLOWOFF	N 272131.6229	E 726742.3830

SEWER STRUCTURE STAKEOUT SCHEDULE			
No.	TYPE	NORTHING	EASTING
EX. MH		N 272074.2326	E 727126.6465
EX. CO	SEWER CLEANOUT	N 272581.8734	E 726466.3055
CO-1	SEWER CLEANOUT	N 272090.1604	E 727112.8577
P-1	8" SEWER PLUG	N 272134.8008	E 727074.1866

*CONTRACTOR TO TEST PIT FOR LOCATION AND INVERTS OF EXISTING 12" WATER LINE, 8" GAS LINE, AND COMMUNICATIONS LINE BEFORE STARTING ANY WORK.



NO. 9018-019-CAD05_VP01-90181004-C-105.dgn 10/20/2015 10:53:53 AM



NOTE:
FOR STAKEOUT DATA, SEE SHEET C-405

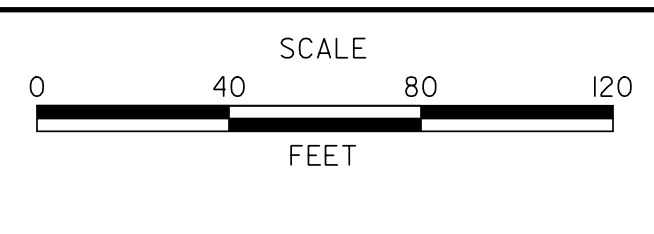
BENCH MARK INFORMATION:

POINT#	NORTHING	EASTING	ELEV.	DESCRIPTION
401	272594.8598	726275.4614	24.49	CONCRETE MONUMENT
402	272600.0252	726736.2719	22.16	CONCRETE MONUMENT
403	272164.8638	726648.1142	29.40	CONCRETE MONUMENT
404	272364.6158	726940.3069	22.41	CONCRETE MONUMENT
405	271946.6363	726837.2111	26.77	CONCRETE MONUMENT
406	272017.8375	726997.9937	25.07	CONCRETE MONUMENT
407	272145.2257	727150.6042	23.38	CONCRETE MONUMENT

NO. 9018-019-CADD CP01-90181004-C-106.dgn
 07/20/2015 10:22:10 AM



ADDENDUMS / REVISIONS

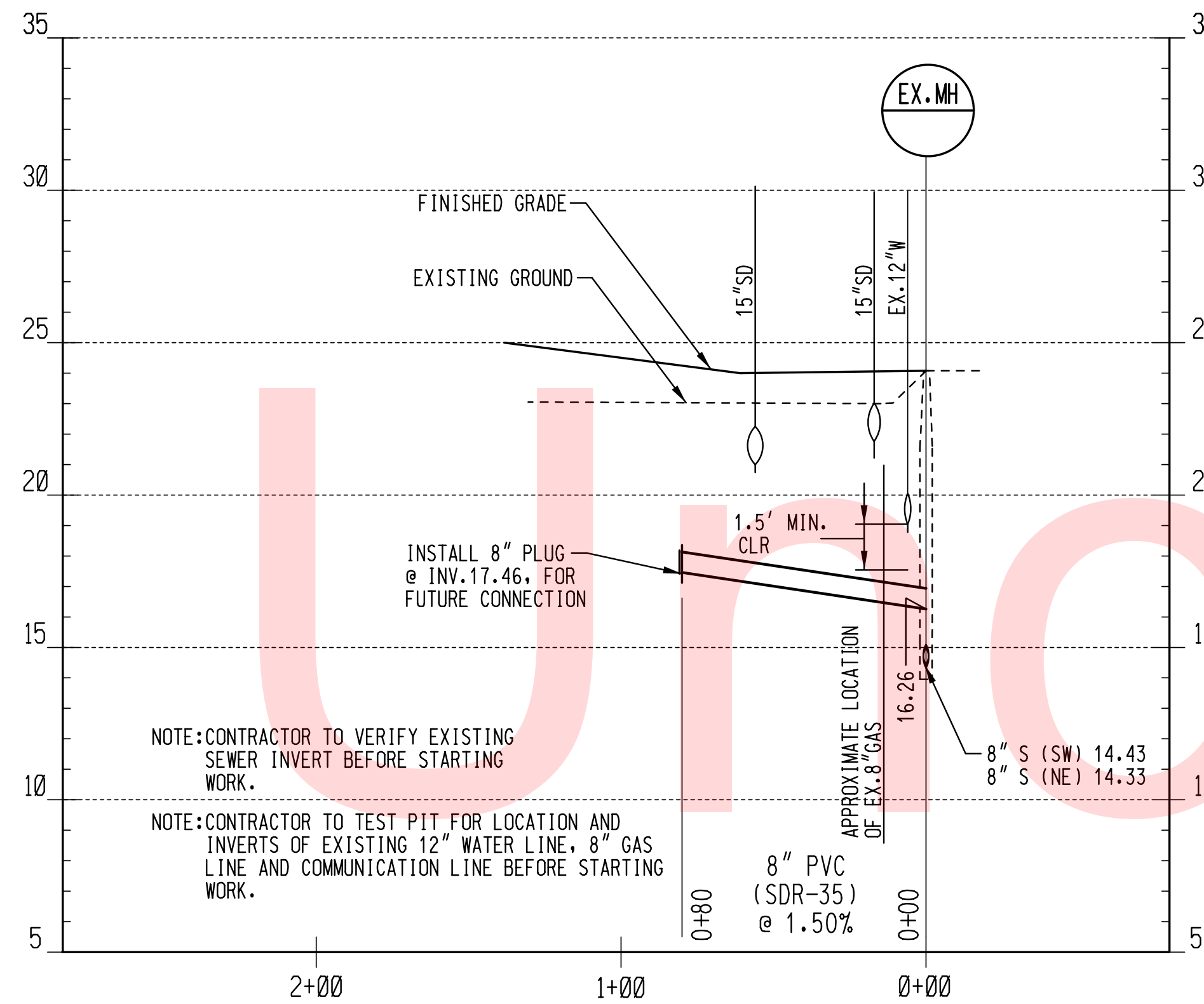


**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: DJL
	CHECKED BY: PMG

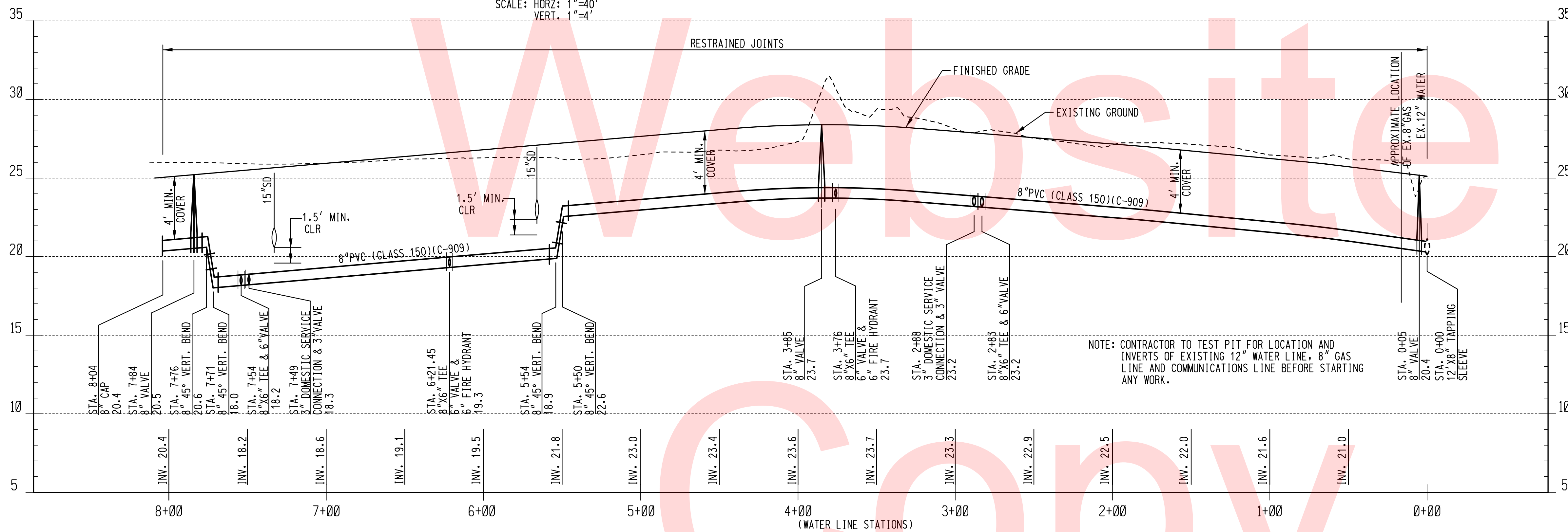
STAKEOUT & LAYOUT PLAN

C-106
SHEET NO. 8
TOTAL SHTS. 72



SEWER PROFILE

SCALE: HORZ: 1"=40'
VERT: 1"=4'



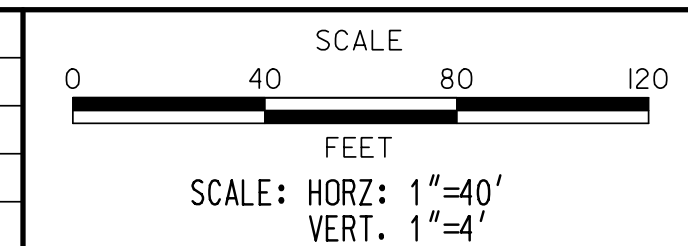
WATER PROFILE

SCALE: HORZ: 1"=40'
VERT: 1"=4'

NO 905-019.CADD.CPO-90181004-c-008.dgn
10/30/2015 10:35:58 AM



ADDENDUMS / REVISIONS	

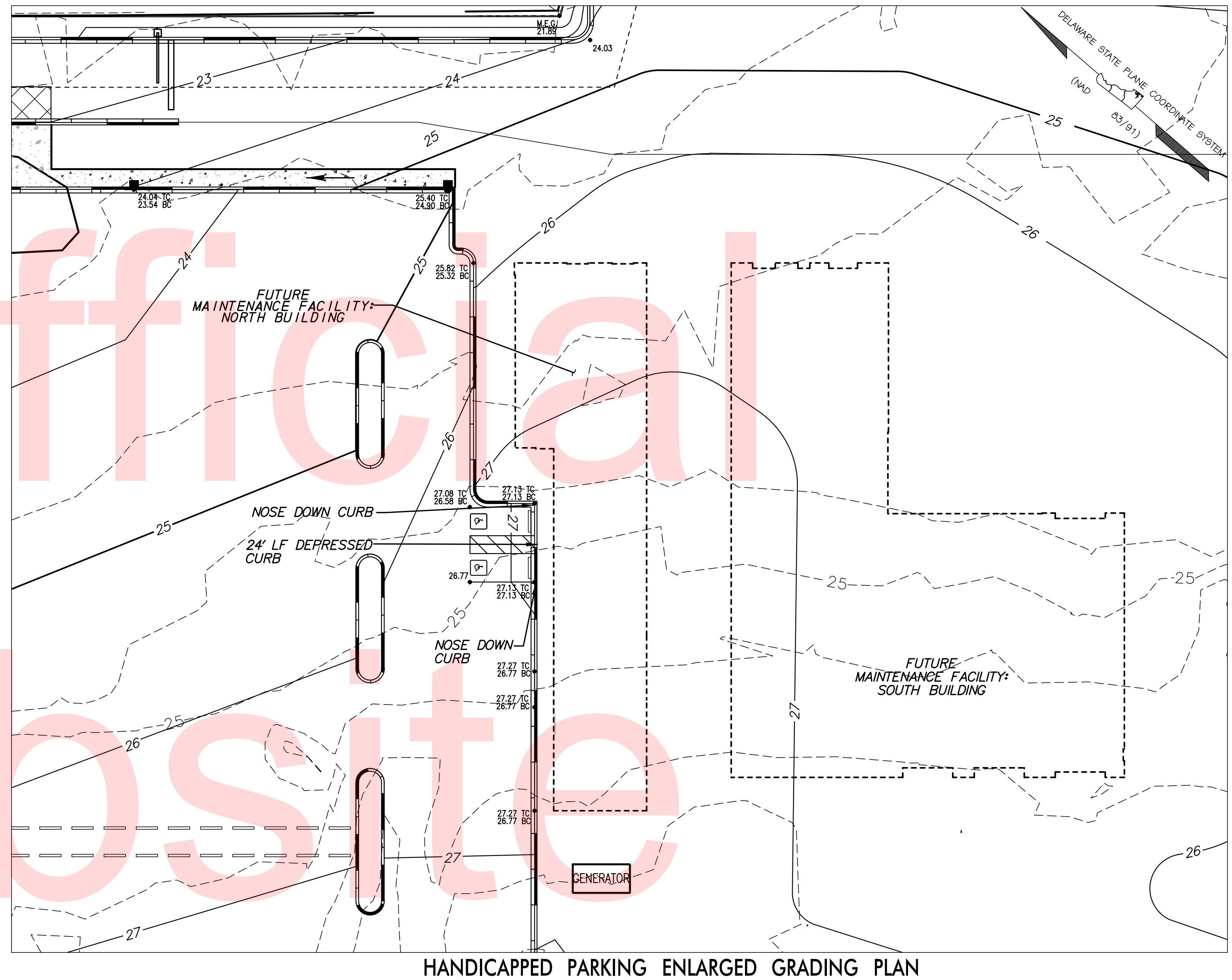
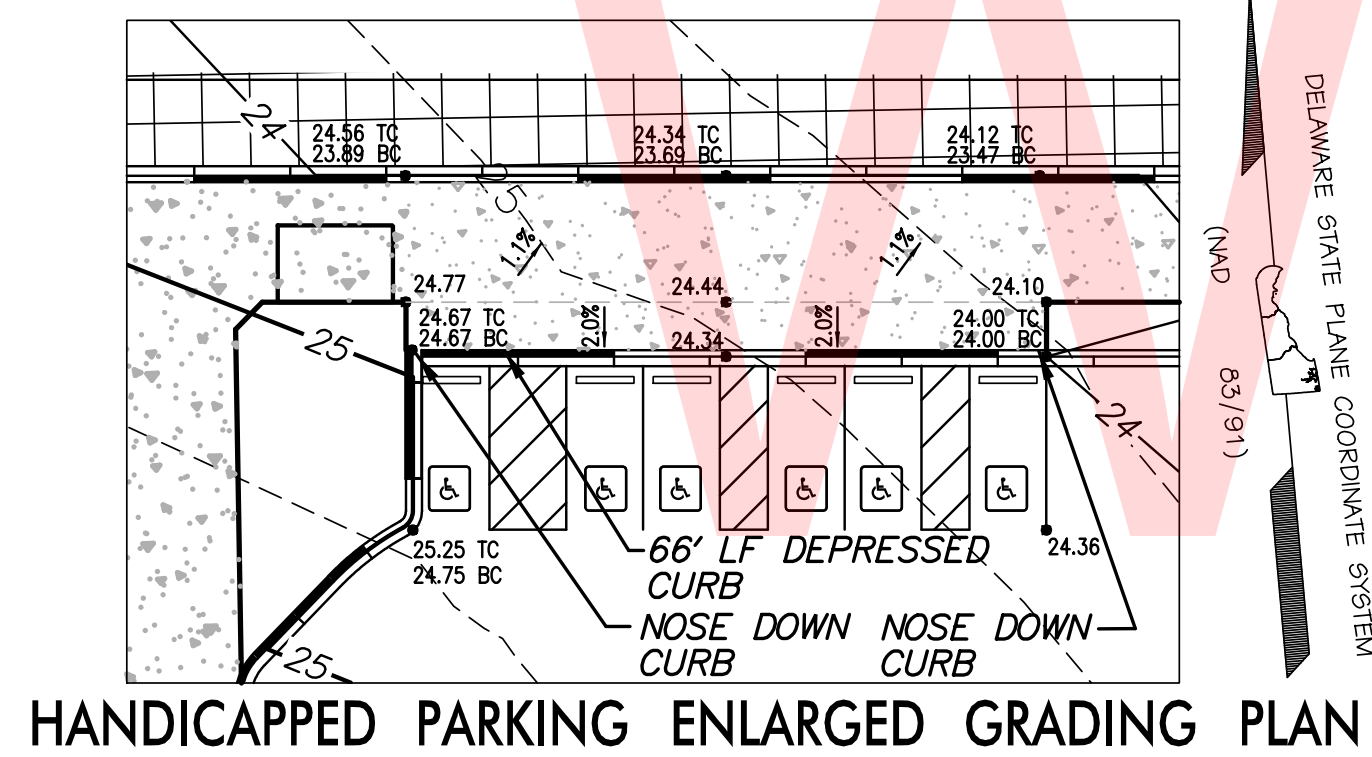


LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.J.L.
	CHECKED BY: P.M.G.

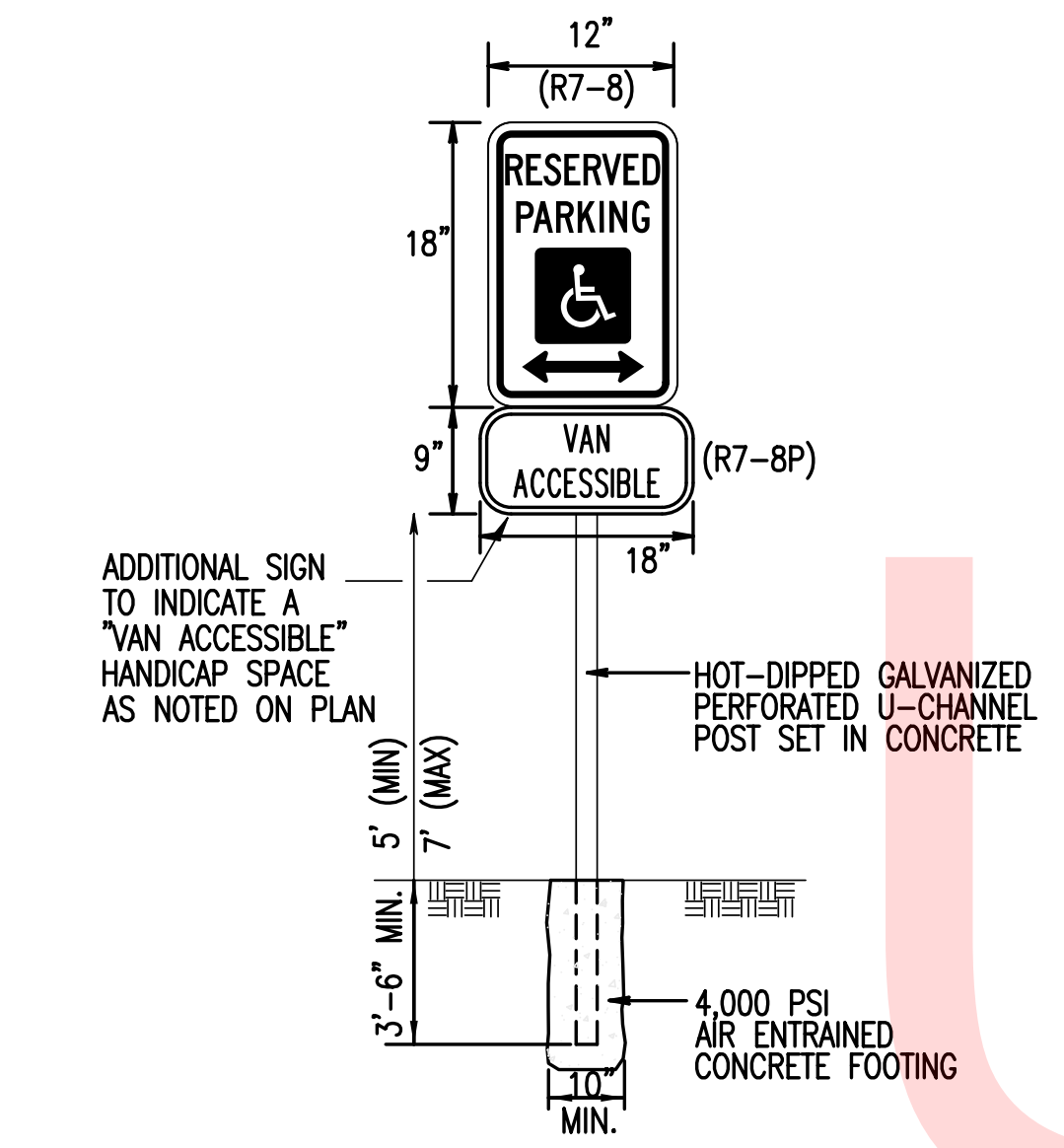
WATER AND SEWER PROFILES

C-108
SHEET NO. 10
TOTAL SHTS. 72

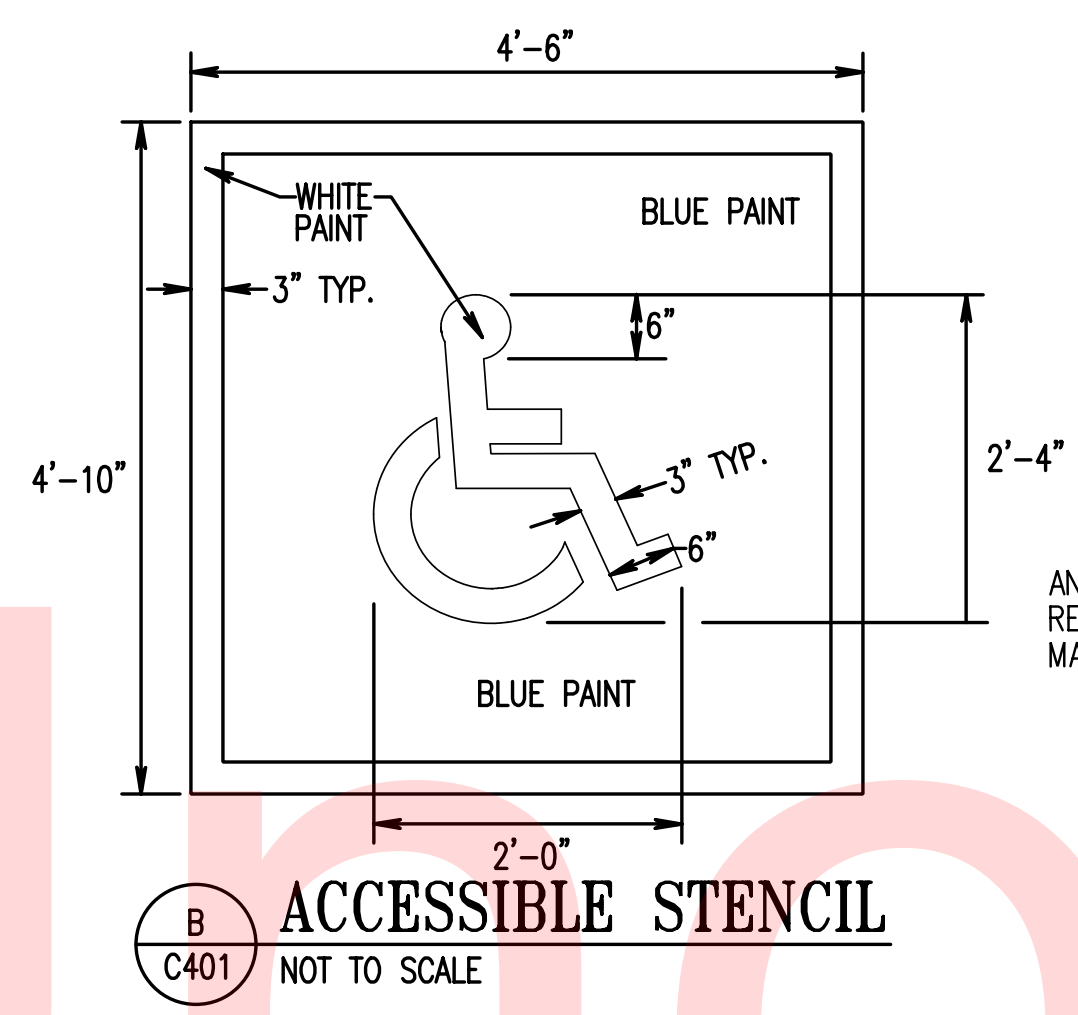


NO 19051-019 CAD05 CP01-90181004-C-301.dgn
 10/30/2015 10:28:55 AM

- NOTES:**
- REFER TO SIGNAGE AND STRIPING PLAN FOR HANDICAP SIGN LOCATIONS.
 - CONTRACTOR IS TO ENSURE THAT ALL SIDEWALK, RAMPS, AND HANDI-CAP PARKING SPACE MEET THE GRADING REQUIREMENTS OF THE LATEST ADA GUIDELINES.



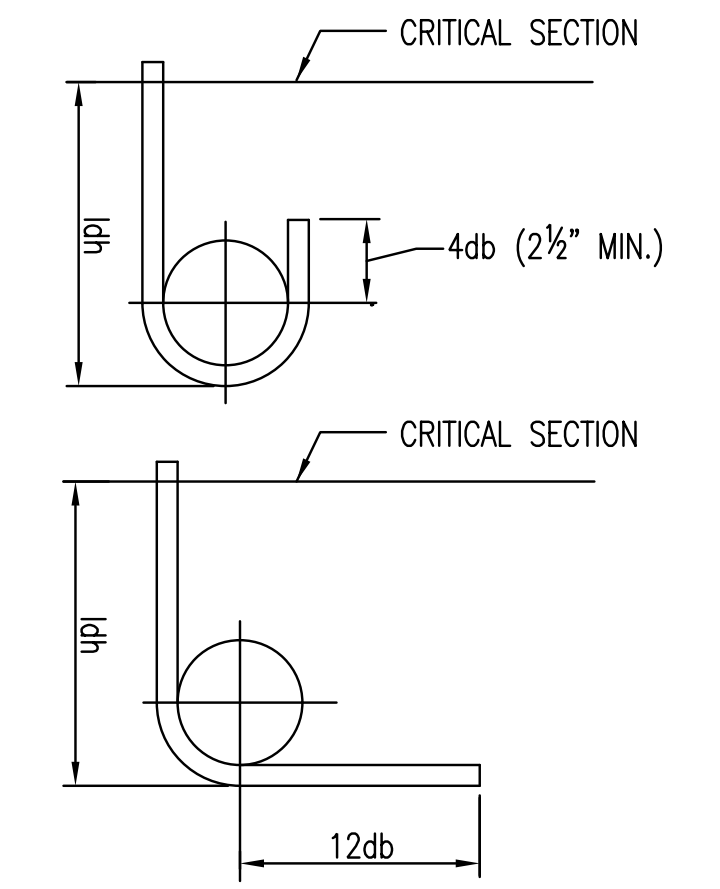
A HANDICAP PARKING SIGNS DETAIL
C401 NOT TO SCALE



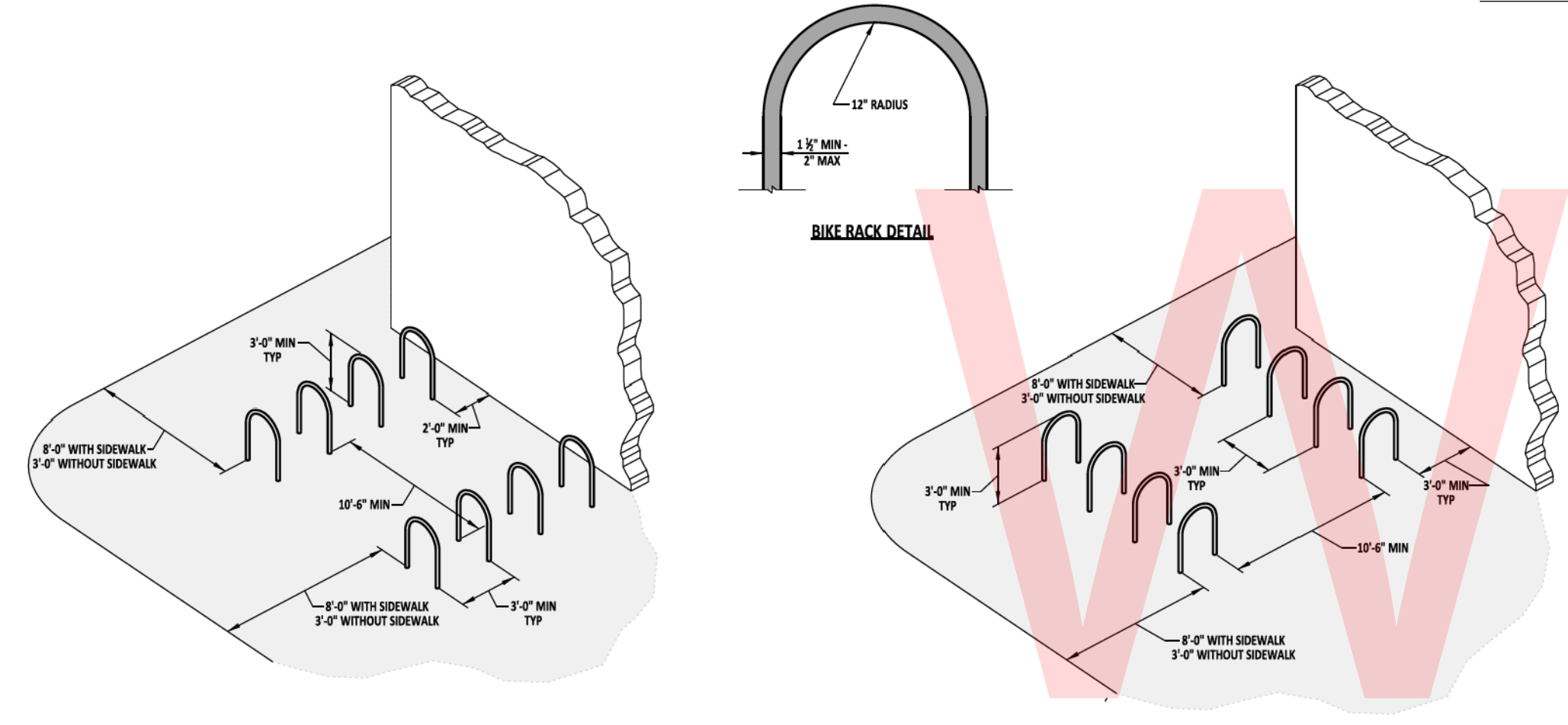
B ACCESSIBLE STENCIL
C401 NOT TO SCALE

BAR SIZE	LAP SPLICE LENGTH					MINIMUM TENSION EMBEDMENTS				
	SOFT METRIC	ENGLISH	OTHER BARS	TOP BARS	OTHER BARS	BEAM	STD 90° HOOK	STD 180° HOOK	STD 90° HOOK	STD 180° HOOK
#10	#3	12"	14"	12"	14"	6"	5"	6"	3"	3"
#13	#4	14"	19"	18"	23"	7"	6"	7"	3"	3"
#16	#5	18"	23"	26"	34"	8"	8"	8"	3"	3"
#19	#6	21"	28"	35"	46"	10"	9"	10"	3"	3"
#22	#7	35"	45"	51"	67"	11"	11"	11"	4"	4"
#25	#8	44"	57"	59"	76"	13"	12"	13"	4"	4"
#29	#9	54"	70"	66"	86"	15"	14"	15"	5"	5"
#32	#10	66"	86"	74"	96"	16"	16"	16"	6"	6"
#36	#11	79"	103"	82"	107"	18"	17"	18"	6"	6"

LAP SPLICE ASSUMPTIONS:
 CONCRETE: 4500 PSI COMPRESSIVE STRENGTH (NORMALWEIGHT CONCRETE)
 SLAB AND WALL: 6" MINIMUM REBAR SPACING WITH CONCRETE COVER = 1.5" CLEAR
 BEAM: MINIMUM CLEAR SPACING BETWEEN BARS = 1.5 db (1.5" MIN). MINIMUM CONCRETE COVER = 1.5" CLEAR. MINIMUM STIRRUP #4@12" PROVIDED.
 TOP BAR: TOP BAR FOR SLAB AND BEAM SHALL BE DEFINED AS REINFORCEMENT SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST BELOW THE SPLICE.

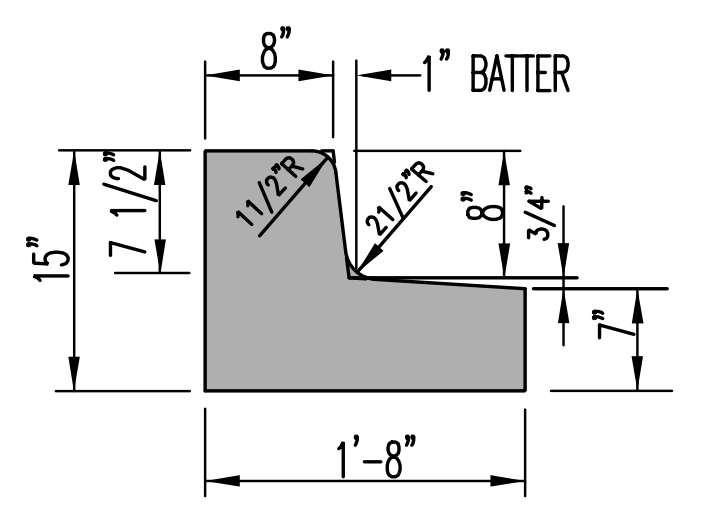


STANDARD HOOK ASSUMPTIONS:
 SIDE COVER SHALL NOT BE LESS THAN 2.5"
 END COVER ON 90° HOOK SHALL NOT BE LESS THAN 2"
STANDARD 180° AND 90° END HOOKS

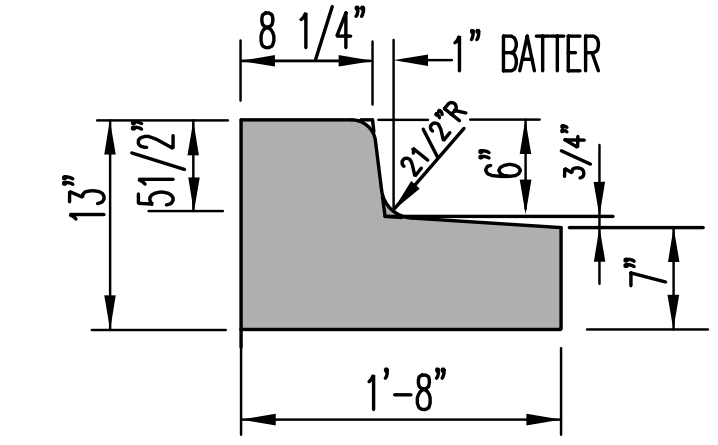


M BIKE RACK LAYOUT DETAILS
4 NOT TO SCALE

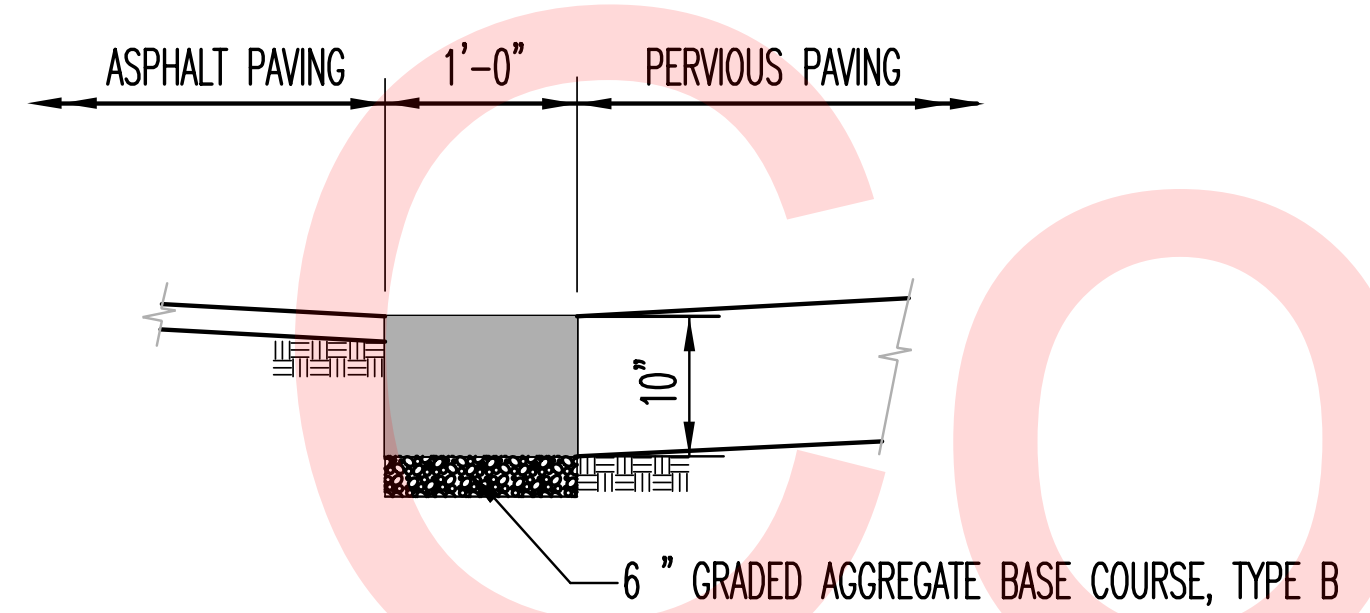
NOTES:
 1. BIKE RACK SHALL BE ANCHORED AS PER MANUFACTURER'S RECOMMENDATIONS AFTER APPROVAL FROM ENGINEER IN THE FIELD.
 2. DETAIL SHOWN WITH P.C. CURB TYPE 1-8, HOWEVER ACTUAL CURB VARIES AND SHOULD BE PLACED AS SHOWN ON PLANS.
 3. SPECIAL CONSIDERATIONS SHOULD BE TAKEN WHEN PLACING BIKE RACKS NEAR CURB RAMPS AND MAY REQUIRE A DETAIL ON THE PLANS.



D INTERGAL P.C.C. CURB AND GUTTER
C401 TYPE 3-8 MODIFIED NOT TO SCALE

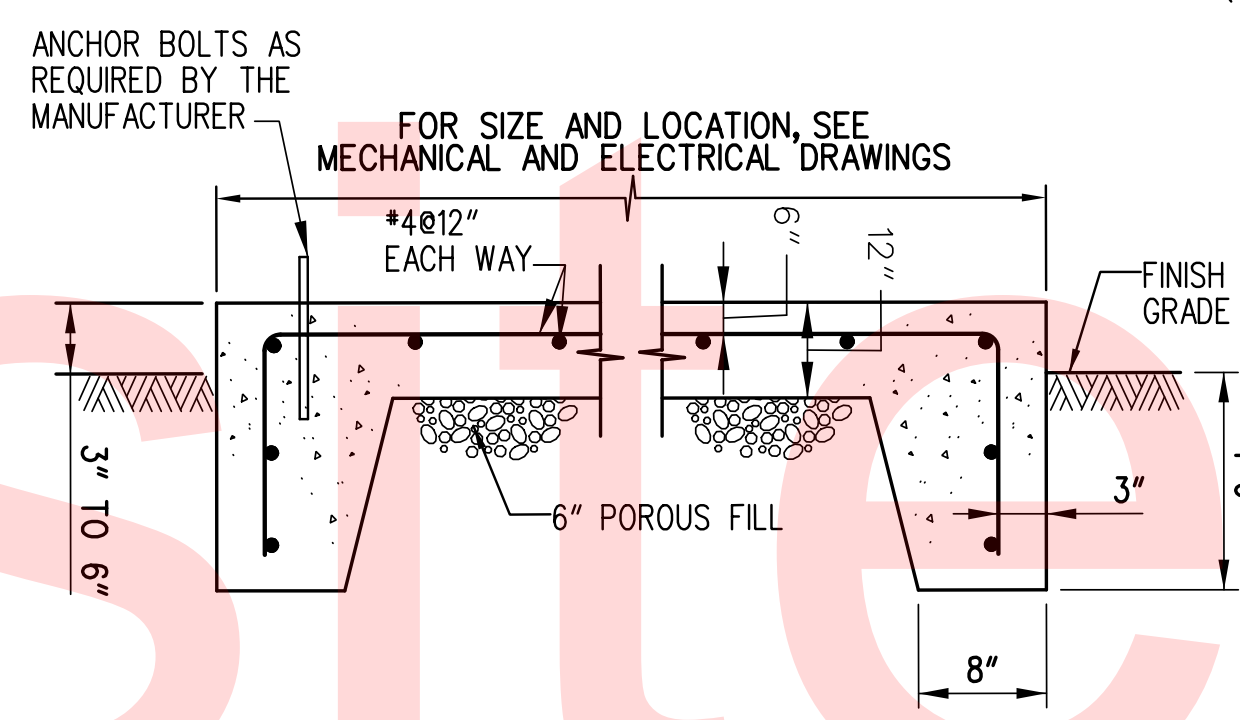


E INTERGAL P.C.C. CURB AND GUTTER
C401 TYPE 3-6 MODIFIED NOT TO SCALE

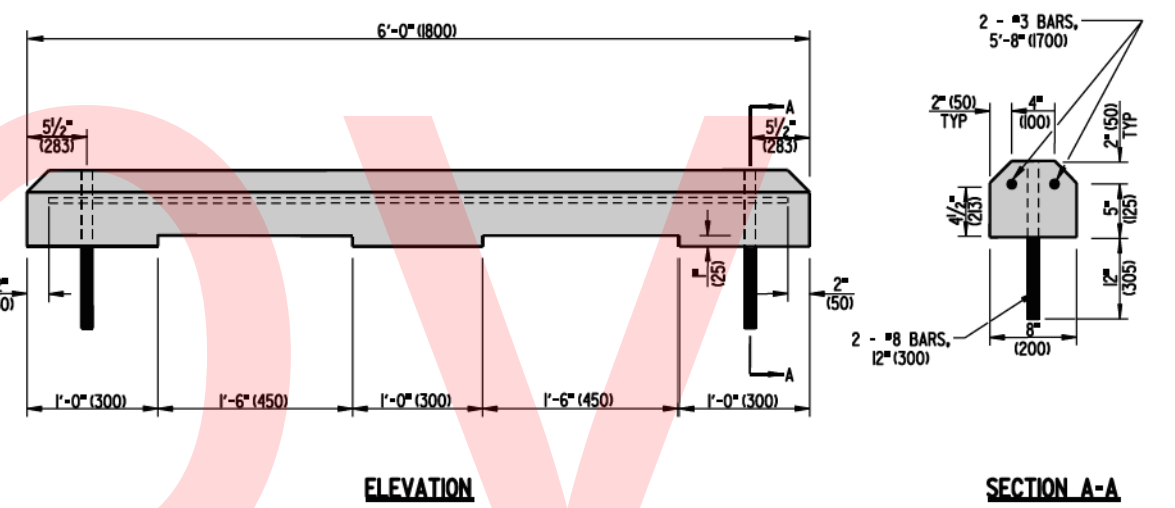


F CONCRETE STRIP DETAIL
C401 NOT TO SCALE

NOTES:
 1. CONCRETE STRIP SHALL BE PAID UNDER ITEM 501004, PORTLAND CEMENT CONCRETE PAVEMENT, 10".



TYPICAL EXTERIOR EQUIPMENT PAD DETAIL
NO SCALE



M P.C.C. PARKING BUMPER
8

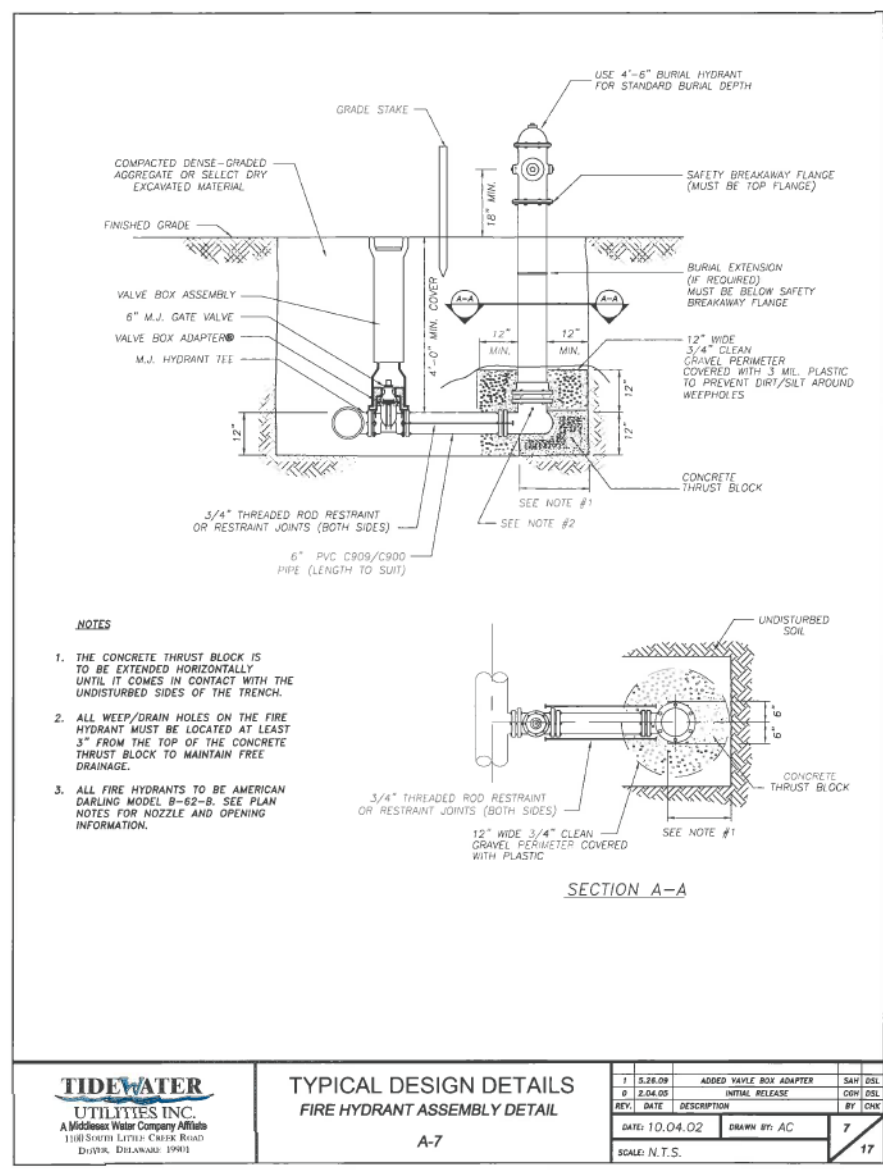
- STRUCTURAL CONCRETE NOTES:**
- PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS.
 - DETAIL AND CONSTRUCT REINFORCED CONCRETE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE."
 - DETAIL REINFORCING STEEL IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE SP-66, "ACI DETAILING MANUAL," WHICH INCLUDES ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
 - PROVIDE REINFORCEMENT CONFORMING TO ASTM A615, GRADE 60, DEFORMED BARS.
 - UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
 - A. BOTTOM BARS IN FOOTINGS AND IN SLABS ON EARTH OR GRAVEL: 3".
 - B. SLABS AND WALLS EXPOSED TO GROUND, WEATHER AFTER REMOVAL OF FORMS: 2".
 - SUBMIT REINFORCING STEEL DETAILS (SHOP DRAWINGS) AND RECEIVE APPROVAL BEFORE PROCEEDING WITH FABRICATION.
 - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.
 - DETAIL ALL SPLICES FOR REINFORCING BARS NOT DIMENSIONED ON THE DRAWINGS AS TABULATED ON SHEET S-002.
 - SIZE AND LOCATE ANCHOR BOLTS AND EQUIPMENT PADS OR PEDESTALS TO SUIT EQUIPMENT FURNISHED.
 - REVIEW ALL DRAWINGS FROM OTHER DISCIPLINES AND COORDINATE ALL OPENINGS AND EMBEDDED ITEMS SUCH AS SLEEVES, ANCHORS, CONDUIT, ETC. THAT WILL BE INCORPORATED INTO CONCRETE WORK.

NO 9019-019.C401 CP01-90181004-C-401.dgn P: 30/2015 10:58:17 AM

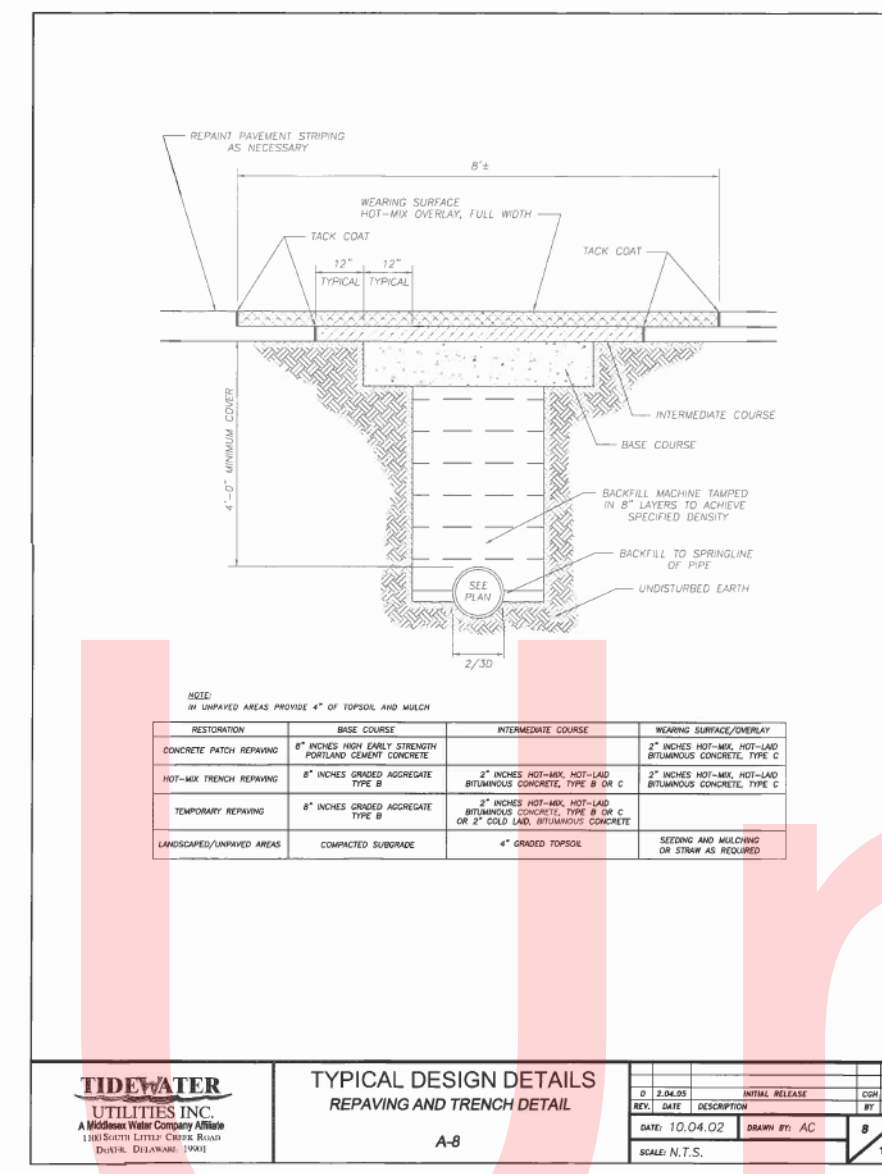
ADDENDUMS / REVISIONS	

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.J.L.
	CHECKED BY: P.M.G.

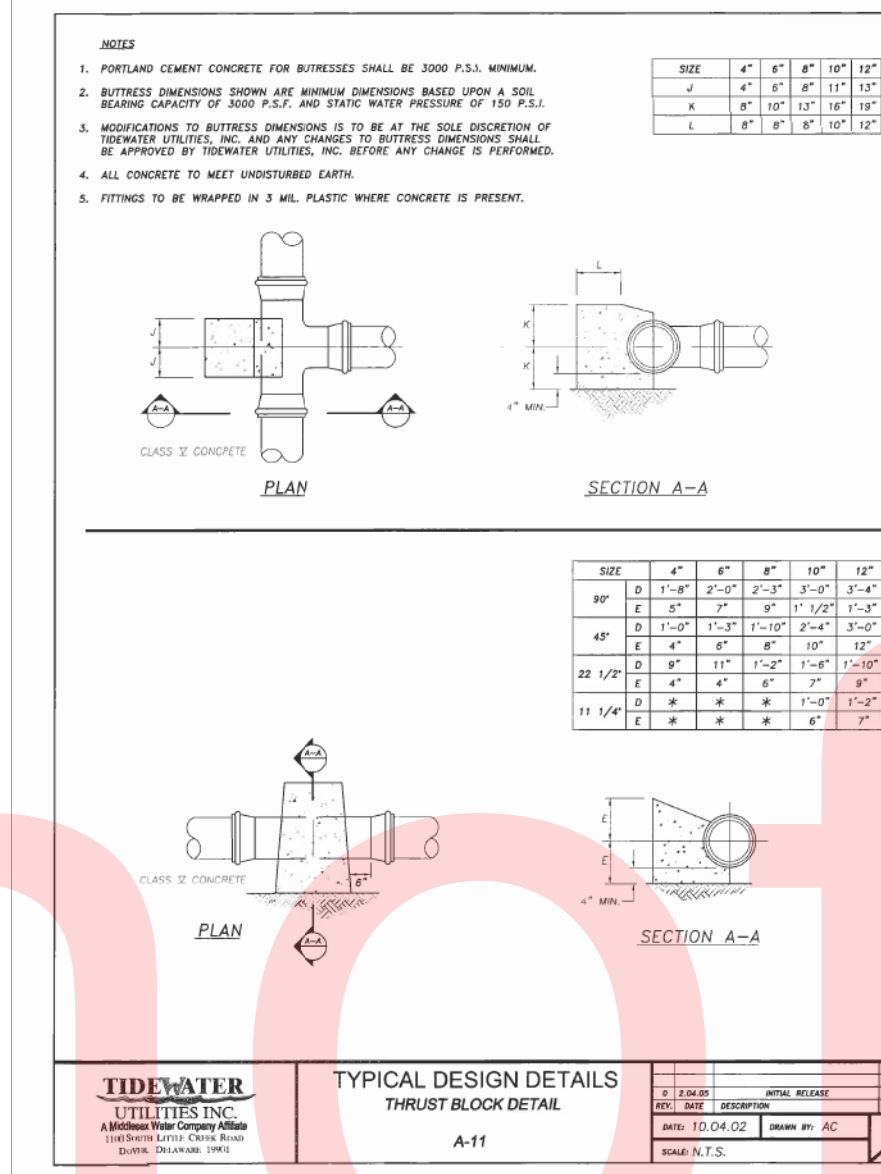
C-401
SHEET NO. 12
TOTAL SHTS. 72



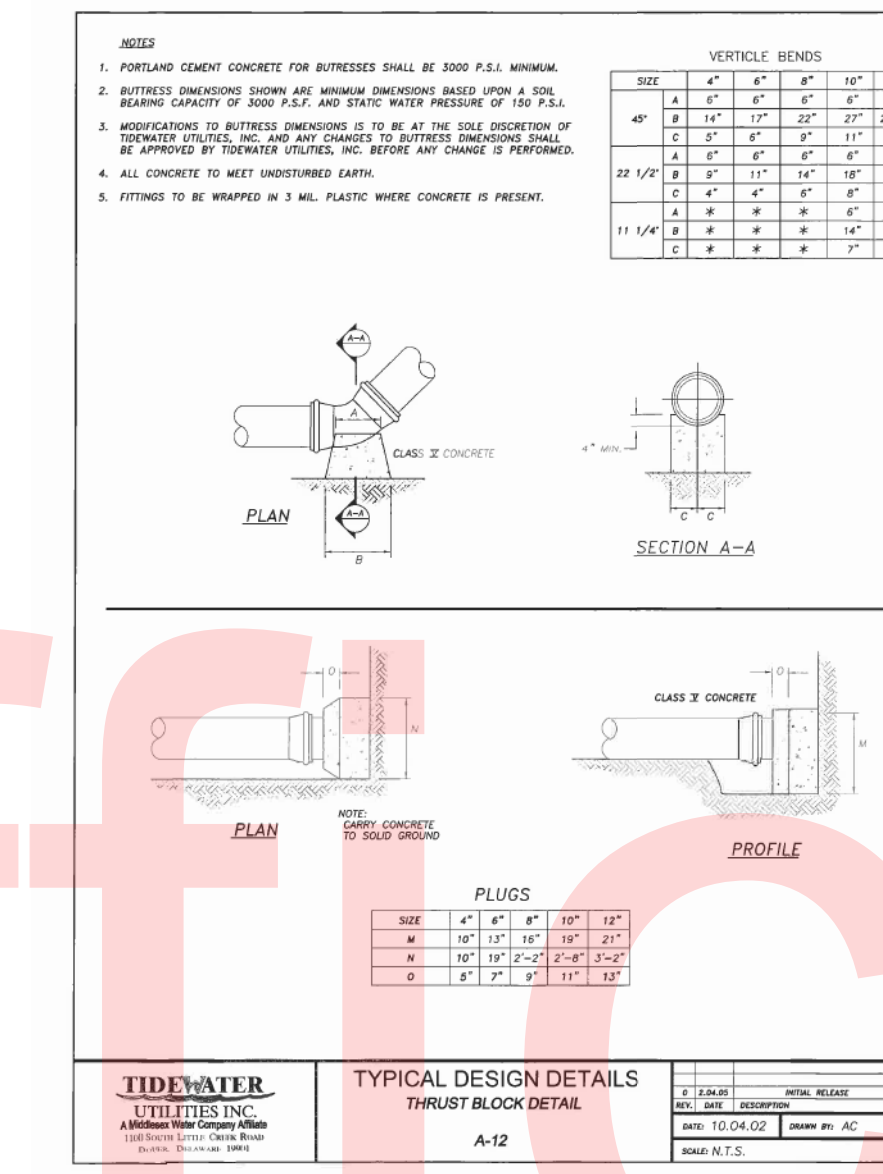
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
FIRE HYDRANT ASSEMBLY DETAIL
A-7



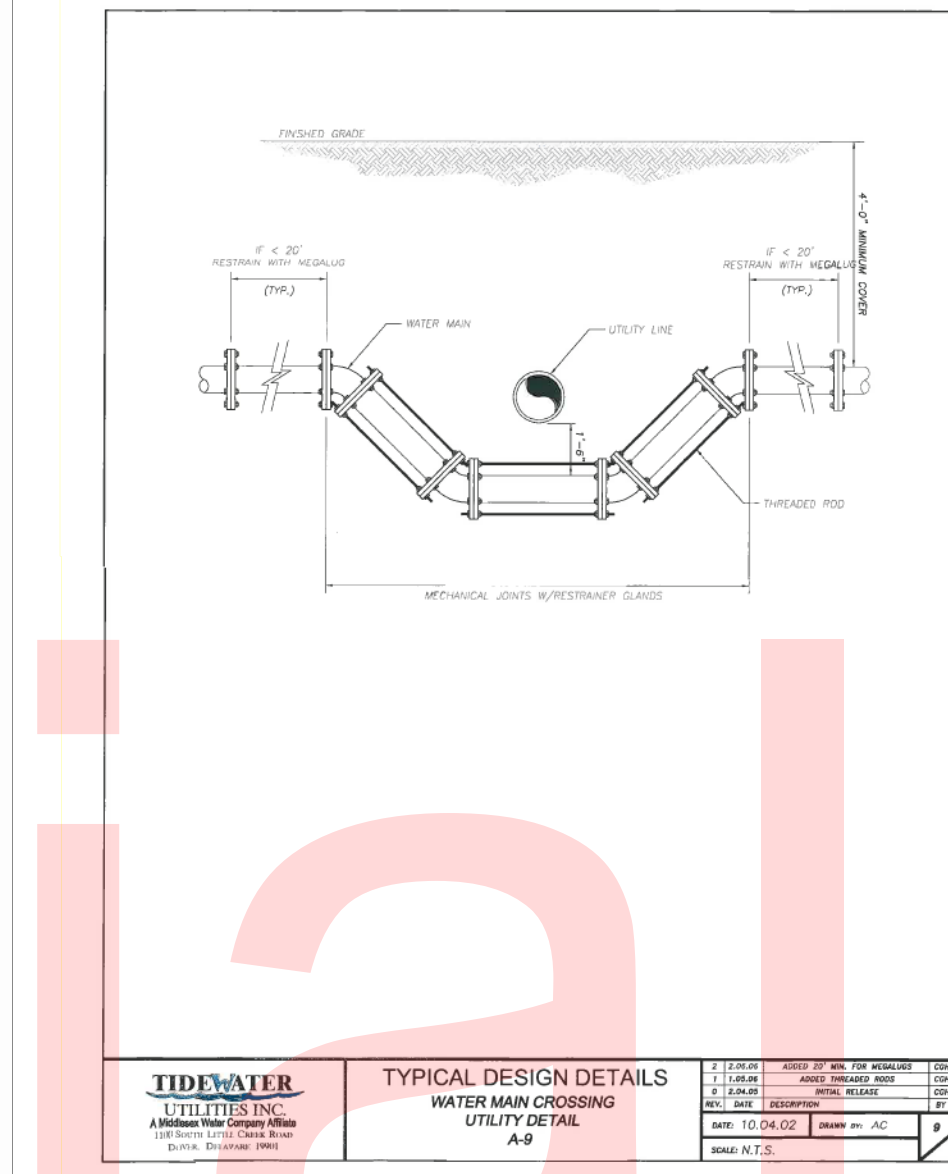
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
REPAVING AND TRENCH DETAIL
A-8



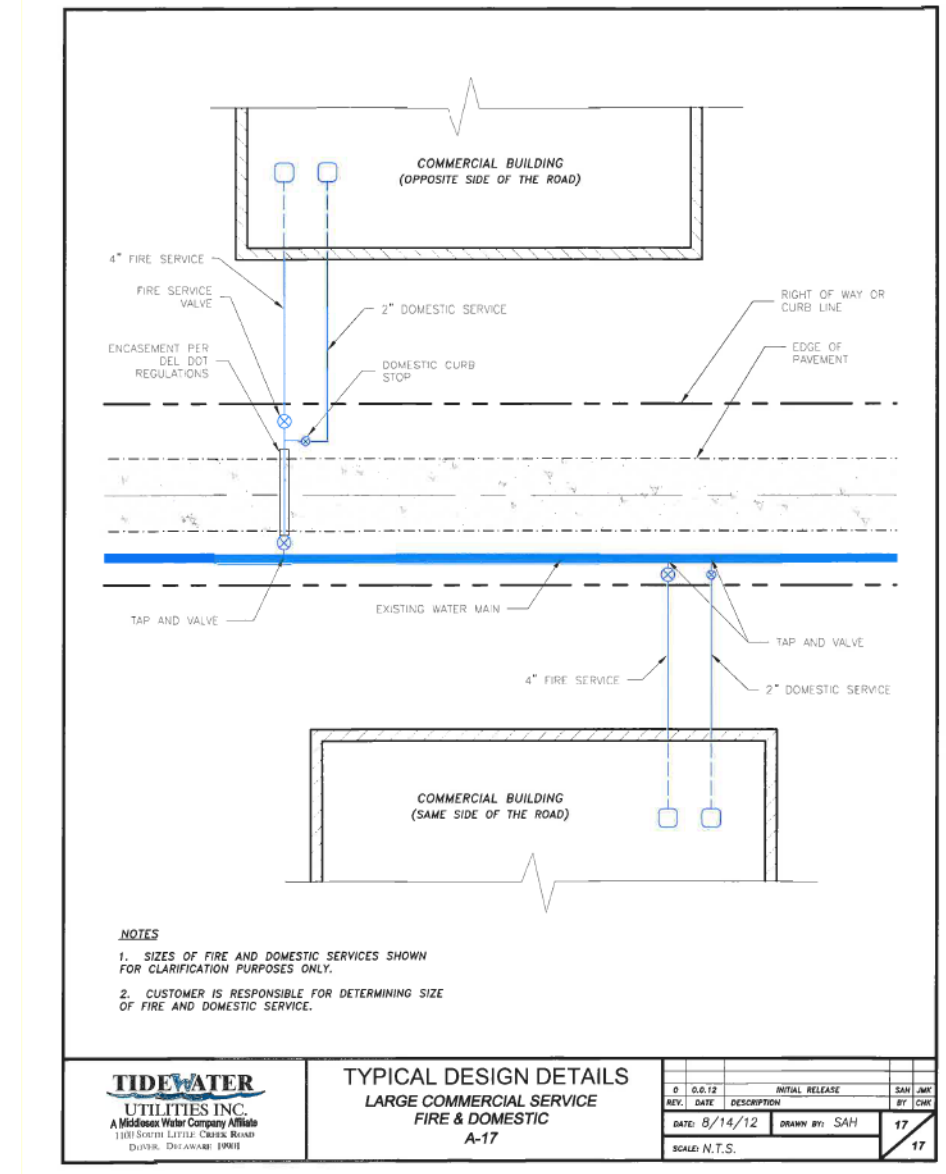
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
A-11



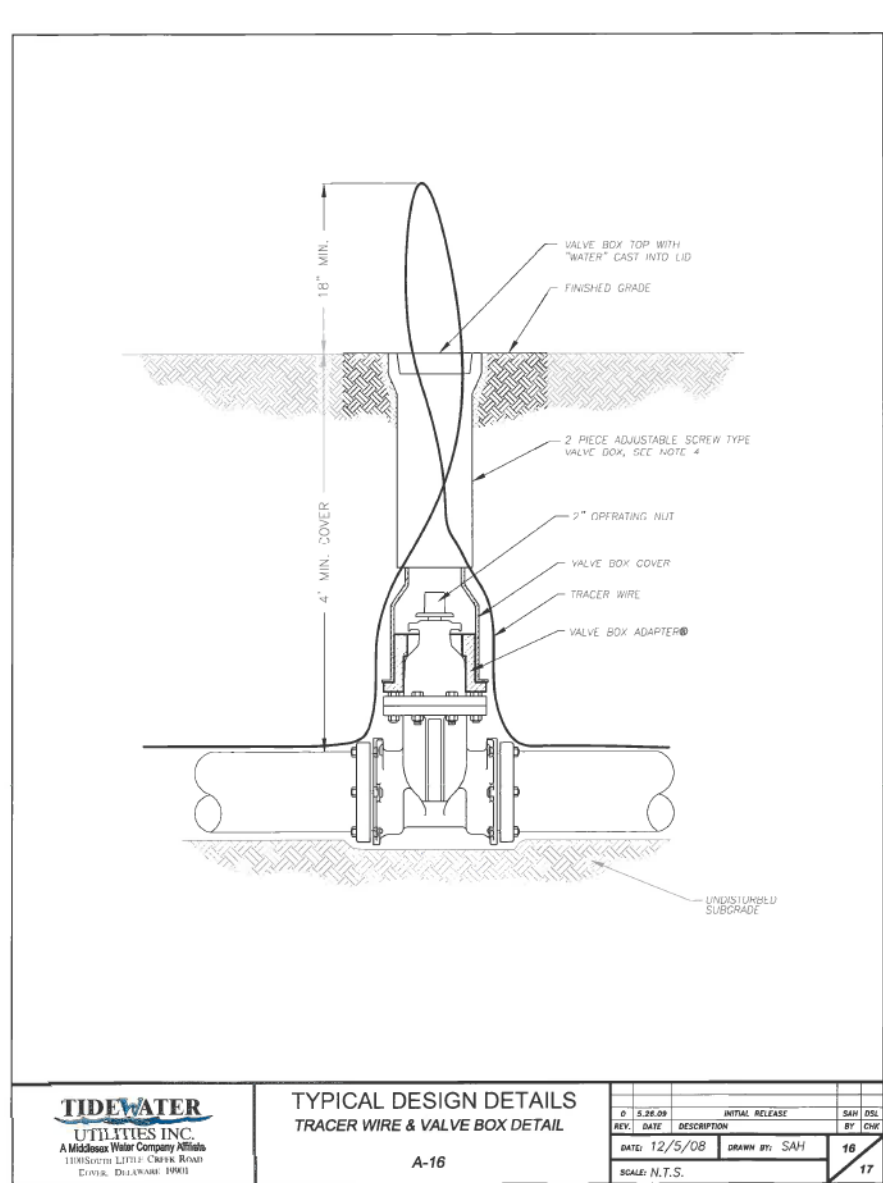
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
A-12



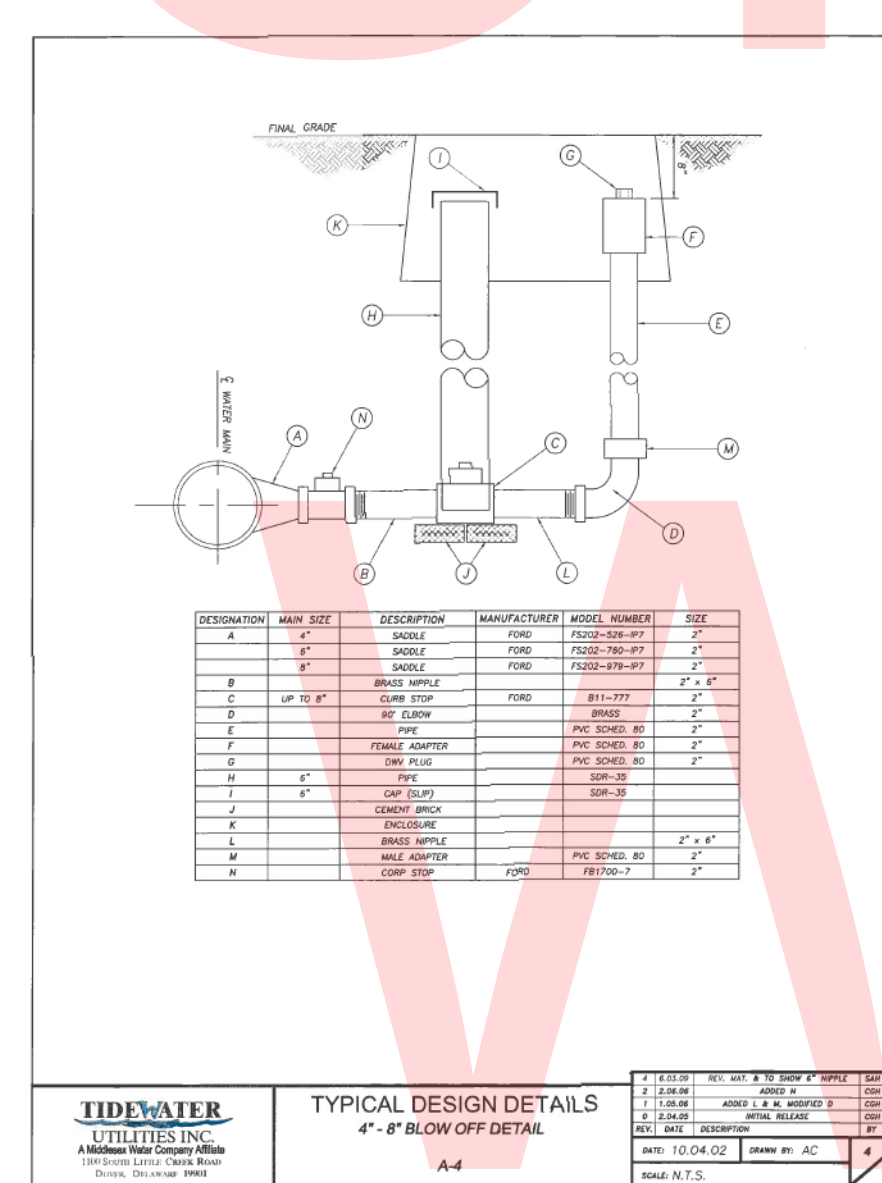
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
WATER MAIN CROSSING UTILITY DETAIL
A-9



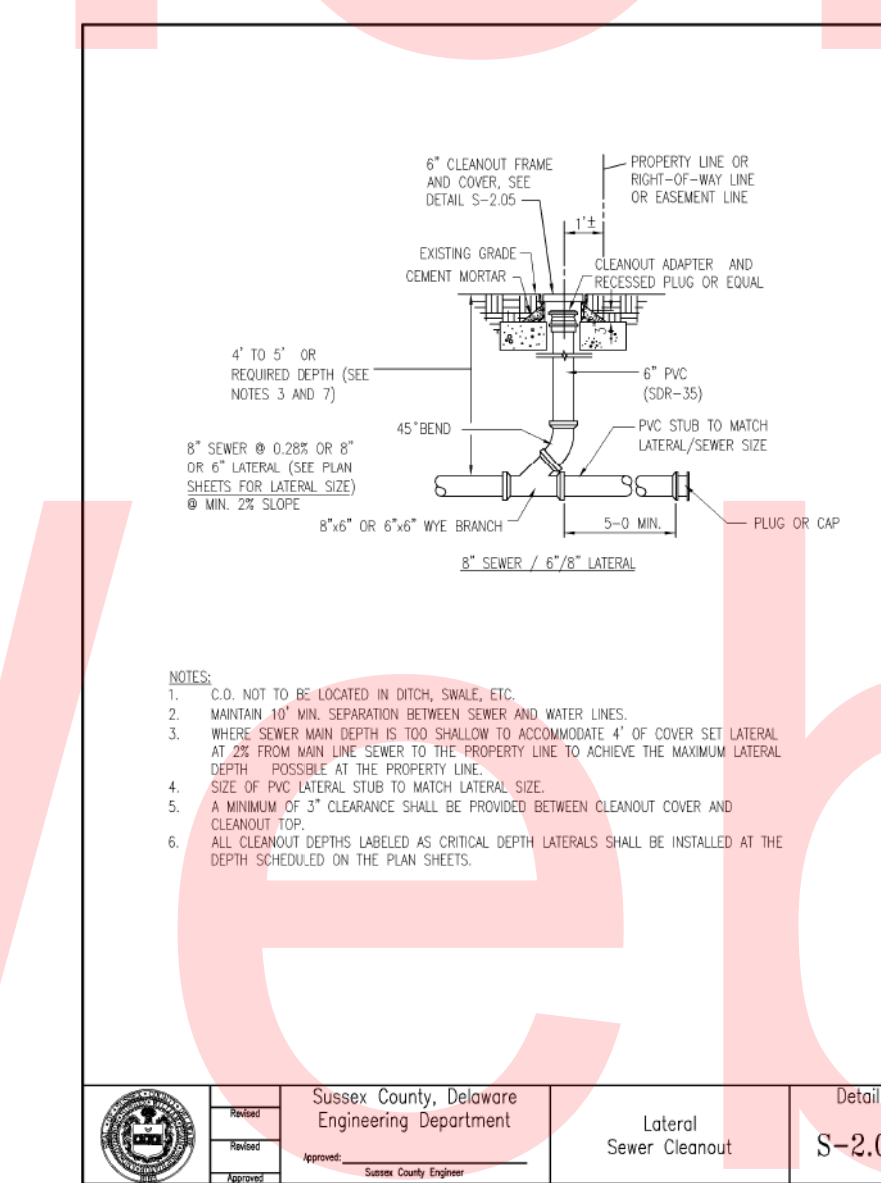
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
LARGE COMMERCIAL SERVICE FIRE & DOMESTIC
A-17



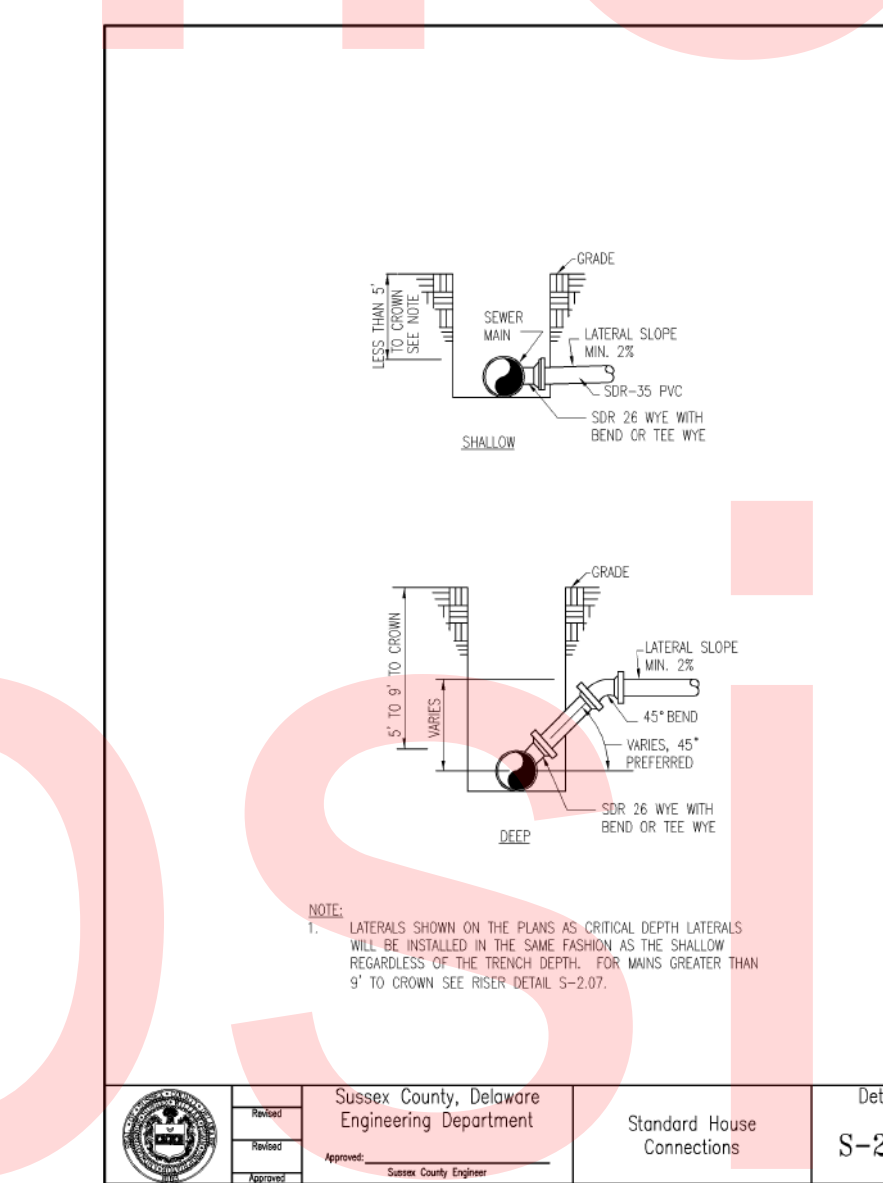
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
TRACER WIRE & VALVE BOX DETAIL
A-16



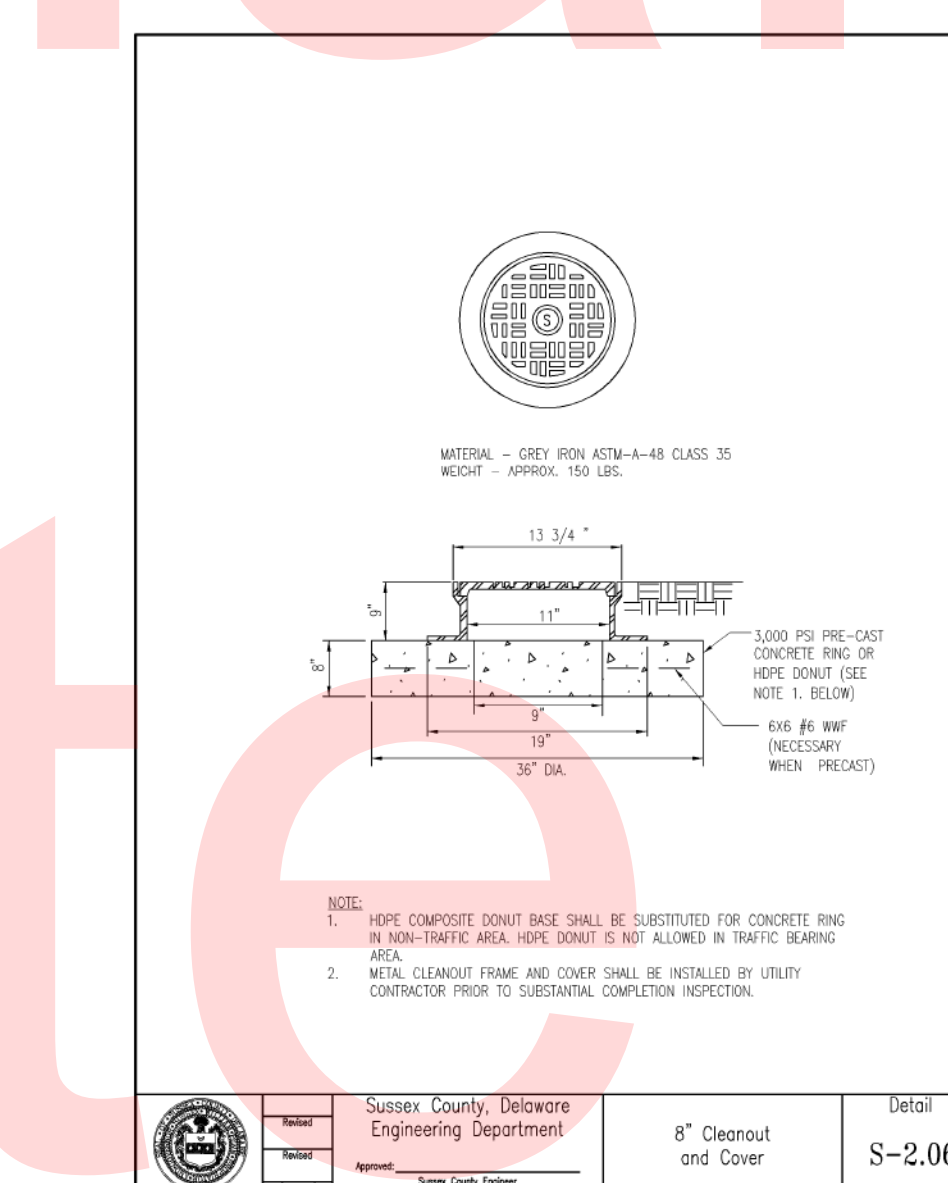
TIDEWATER UTILITIES INC.
TYPICAL DESIGN DETAILS
4\"/>



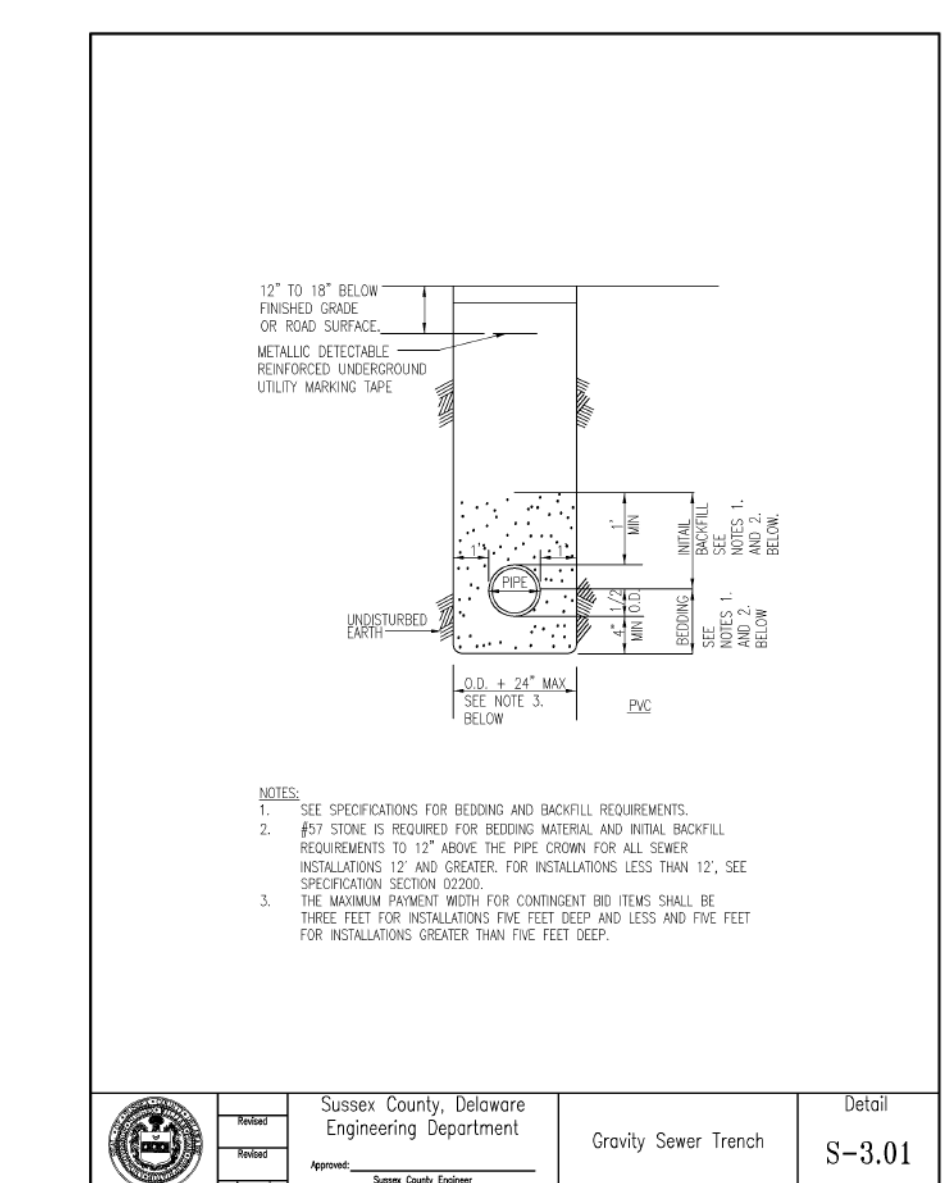
Sussex County, Delaware Engineering Department
Lateral Sewer Cleanout
Detail S-2.02



Sussex County, Delaware Engineering Department
Standard House Connections
Detail S-2.03



Sussex County, Delaware Engineering Department
8\"/>

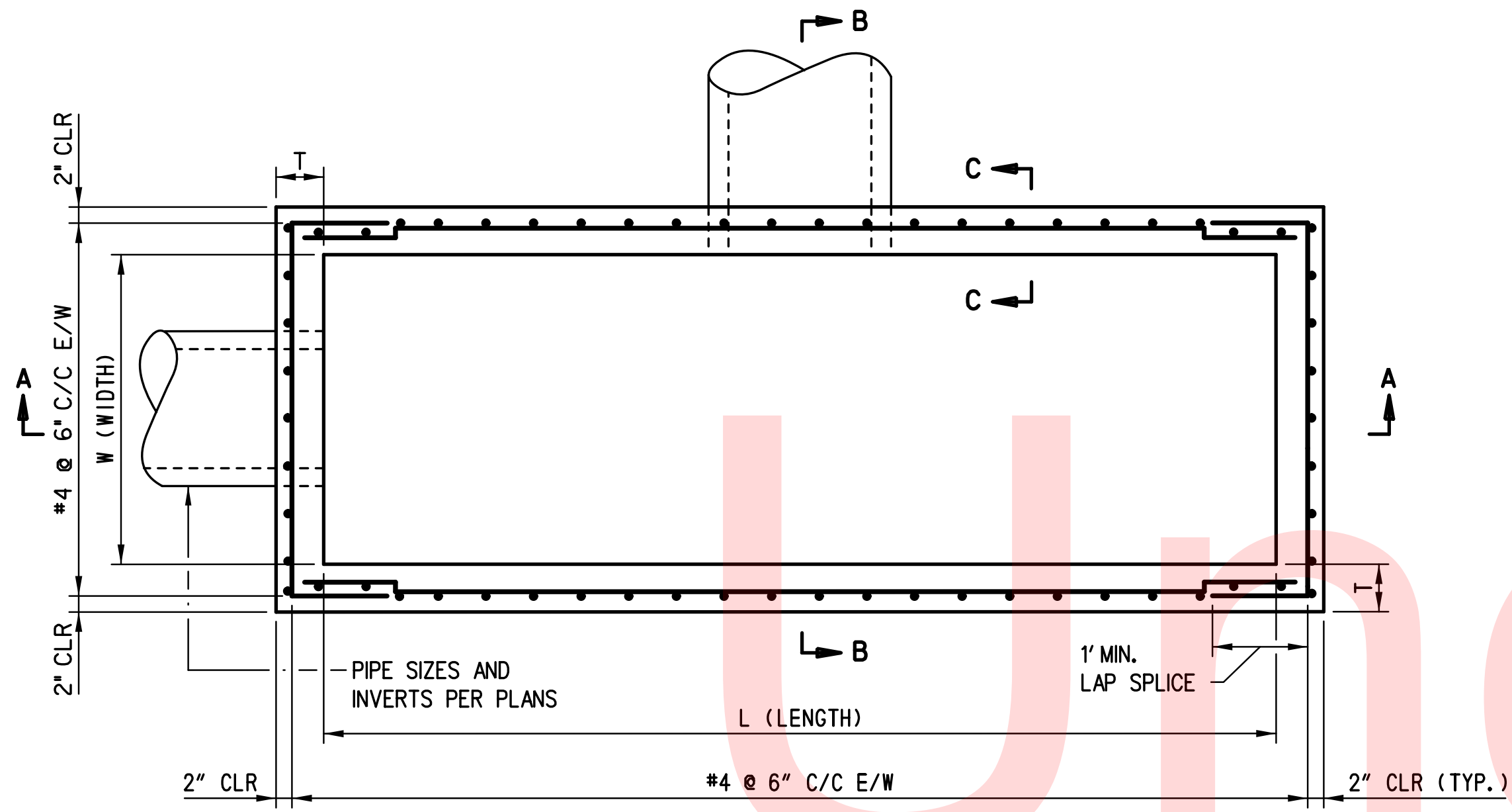


Sussex County, Delaware Engineering Department
Gravity Sewer Trench
Detail S-3.01

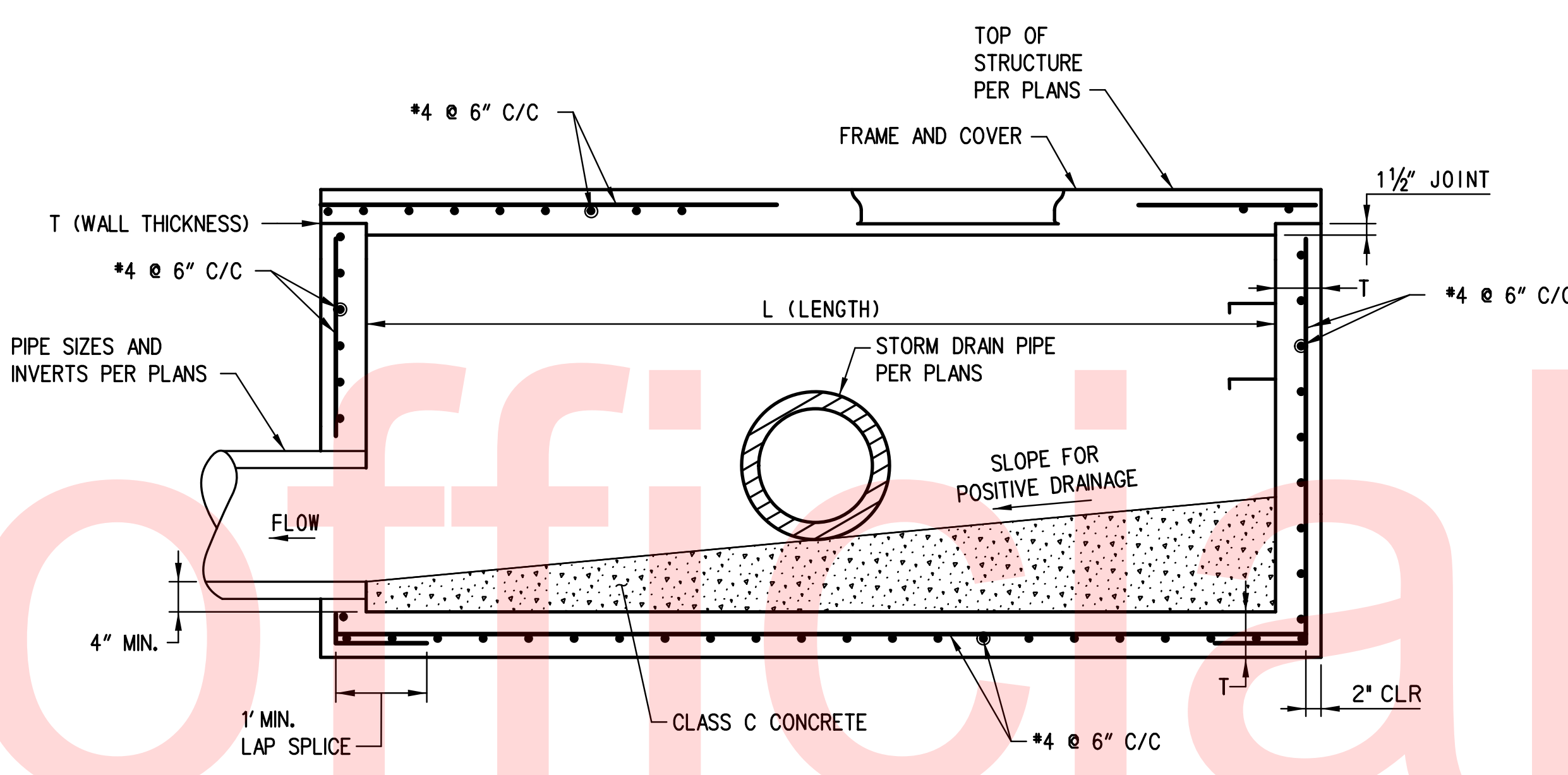
No. 9050-019-C-402.dwg (CPD) 9/30/2015 10:38:50 AM

ADDENDUMS / REVISIONS	

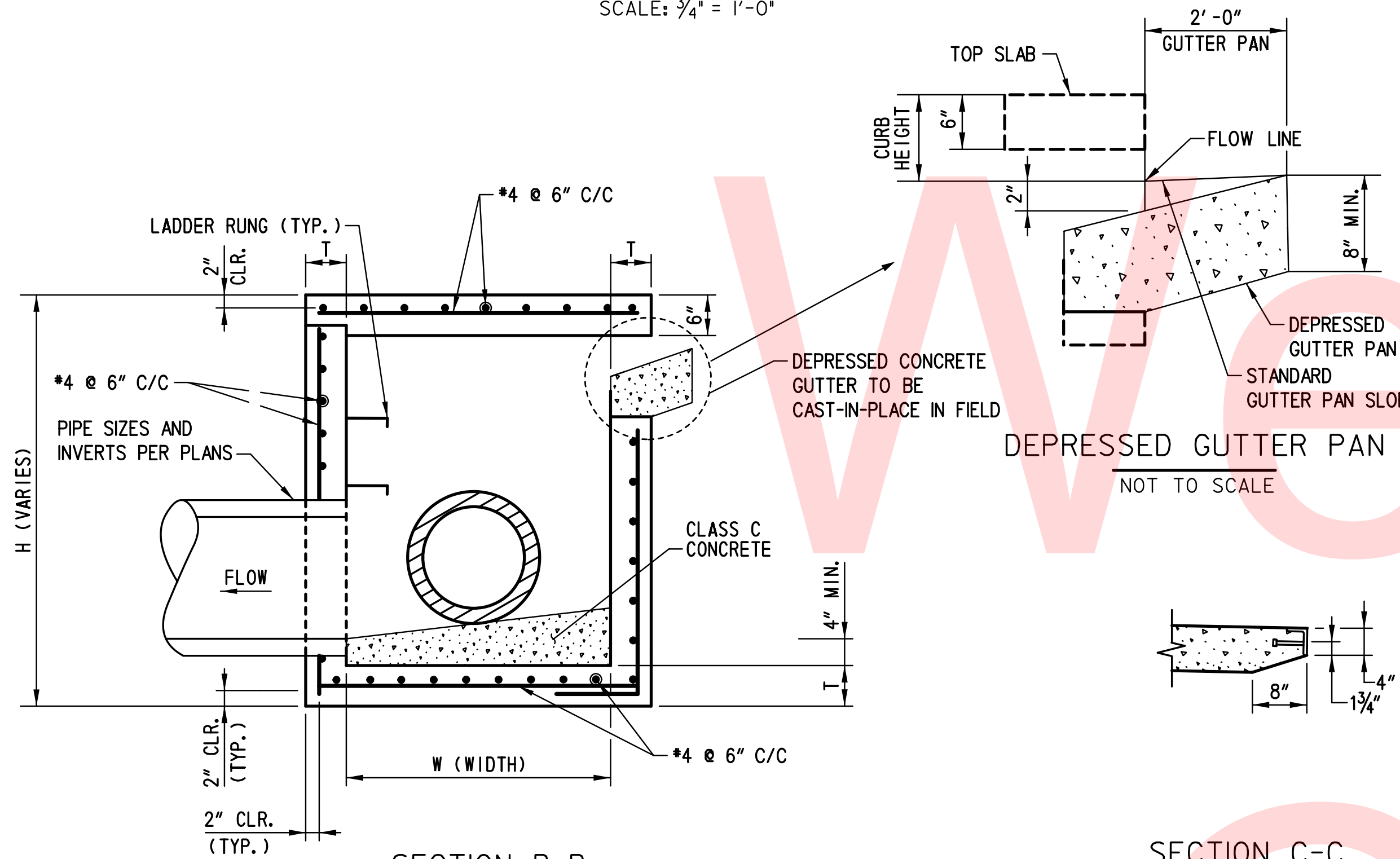
CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: D.J.L.
SUSSEX	CHECKED BY: P.M.G.



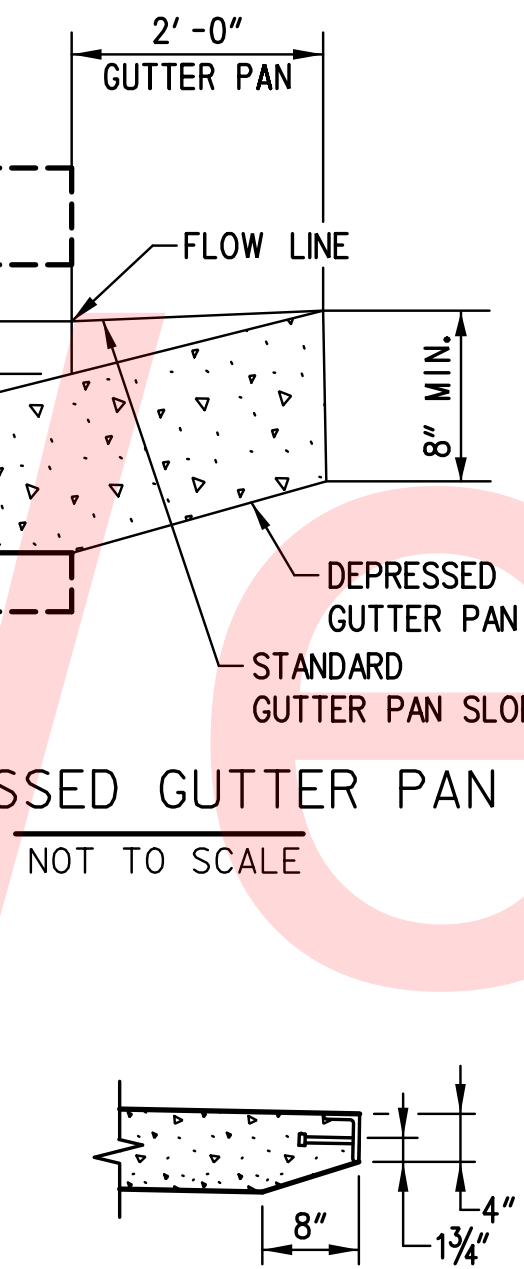
PLAN - SHALLOW COG INLET
SCALE: 3/4" = 1'-0"



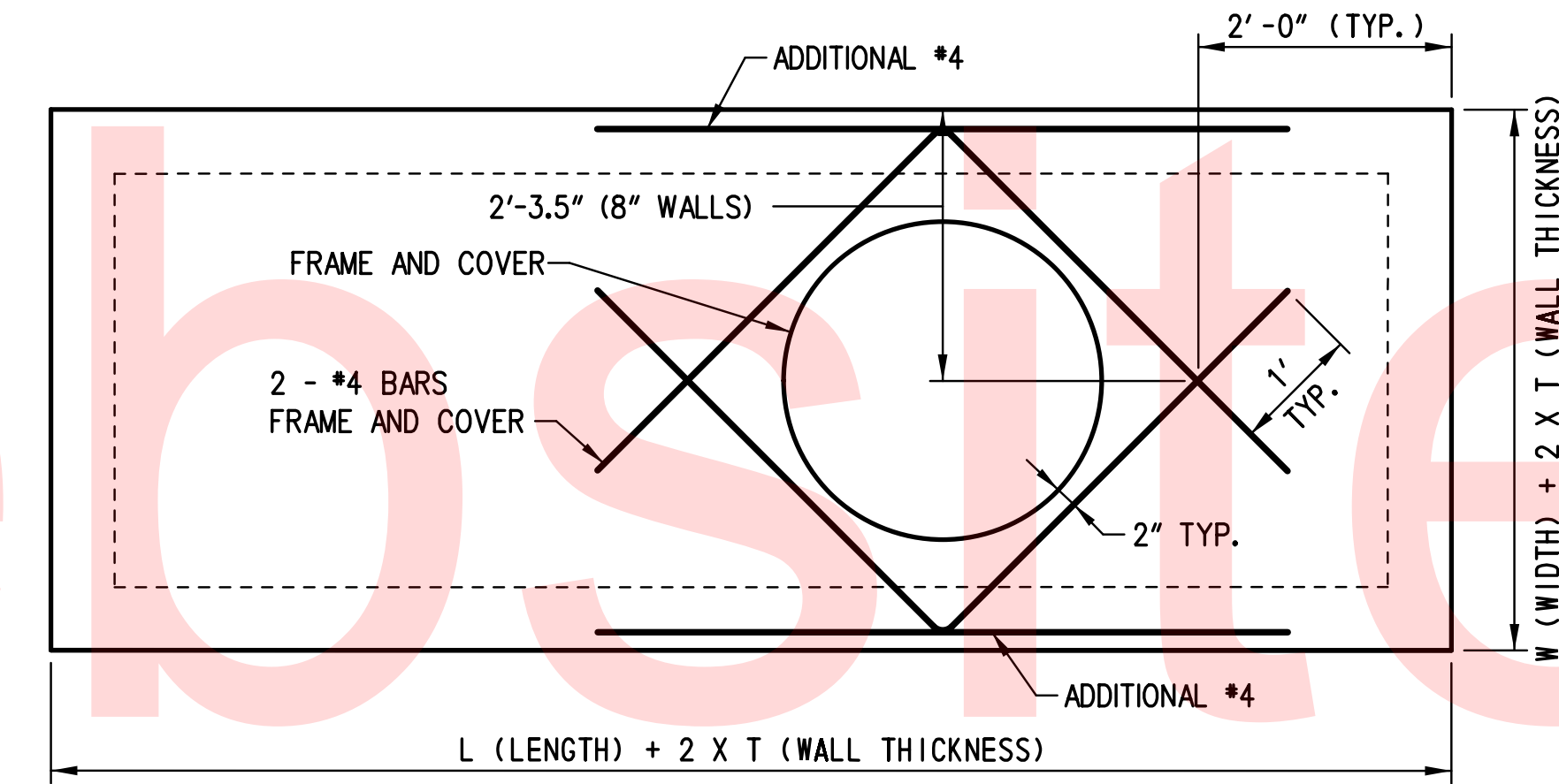
SECTION A-A
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"



SECTION C-C
SCALE: 3/4" = 1'-0"



PLAN - TOP SLAB - SHALLOW COG INLET
SCALE: 3/4" = 1'-0"

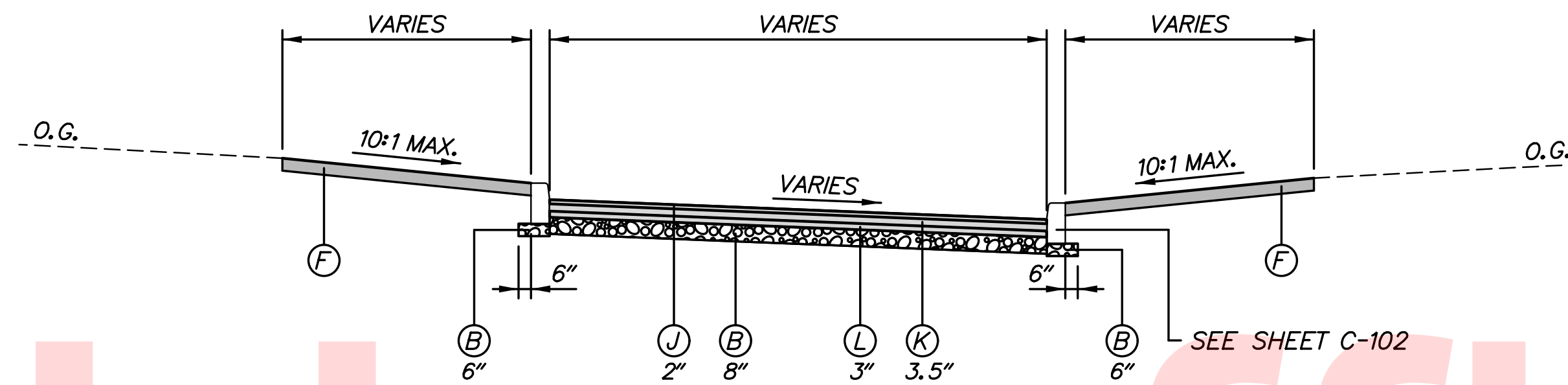
INLET TYPE	T (WALL THICKNESS)	W (WIDTH)	L (LENGTH)	REINFORCEMENT
MODIFIED 5' COG/COS	8"	2'-0"	5'-0"	#4 @ 6" E.W.

- NOTES:
- MATERIAL PROPERTIES: $f'_c = 4500$ PSI
 $WWF: f_y = 65$ ksi
 $REBAR: f_y = 60$ ksi
 ALL STRUCTURE CONCRETE SHALL BE CLASS A, 4500 PSI.
 - GRADE AND SLOPE ADJUSTMENTS TO BE COMPLETED IN FIELD.
 - MIN. PIPE OPENINGS = PIPE O.D. + 4". REFER TO PLANS FOR LOCATION AND ELEVATIONS.
 - THREADED INSERTS TO BE PROVIDED FOR HANDLING.
 - ANGLE IRON AND SHEAR STUD CONNECTORS SHALL BE GALVANIZED AFTER WELDING IN ACCORDANCE WITH ASTM A123.
 - CLASS C CONCRETE CHANNEL SHALL BE PROVIDED IN THE FIELD AND SHALL SLOPE TOWARD OUTLET TO PROVIDE POSITIVE DRAINAGE.
 - SHALLOW COG INLETS SHALL BE PAID UNDER ITEM 708512, DRAINAGE INLET SPECIAL, I.

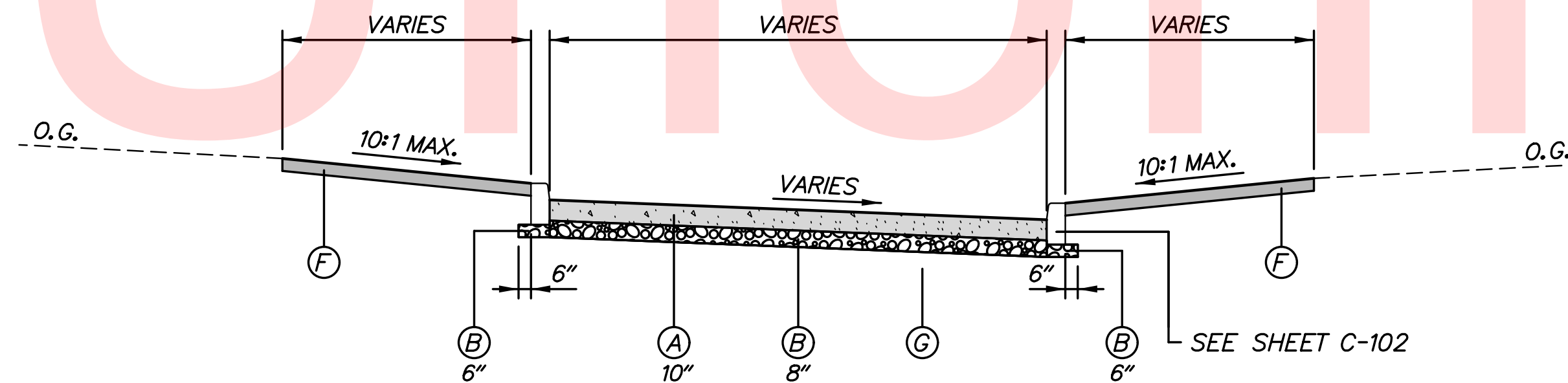
NO 9059-019 CADIS CP01-90181004C-403.dgn
 10/30/2015 10:41:52 AM

ADDENDUMS / REVISIONS

CONTRACT	BRIDGE NO.	DESIGNED BY: C.S.C.
T200612502	CHECKED BY: J.D.C.	
COUNTY	SUSSEX	

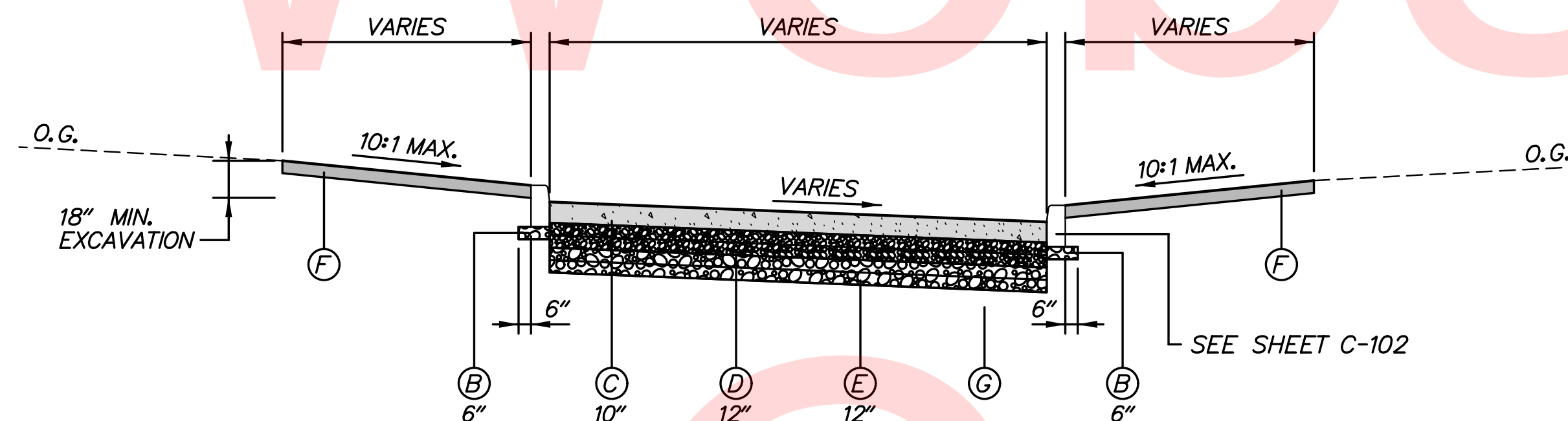


ASPHALT PAVEMENT TYPICAL SECTION



PORTLAND CEMENT CONCRETE PAVEMENT TYPICAL SECTION

- NOTES:**
1. PRIOR TO FORMING CONCRETE PAVEMENT SECTION, CONTRACTOR SHALL SUBMIT A JOINT PLAN FOR APPROVAL BY THE ENGINEER.
 2. PORTLAND CEMENT CONCRETE PAVEMENT PER SECTION 501 OF DELDOT STANDARD SPECIFICATIONS
 3. EMBEDDED REINFORCEMENT PER SECTION 824 OF DELDOT STANDARD SPECIFICATIONS



PERVIOUS PORTLAND CEMENT CONCRETE PAVEMENT TYPICAL SECTION

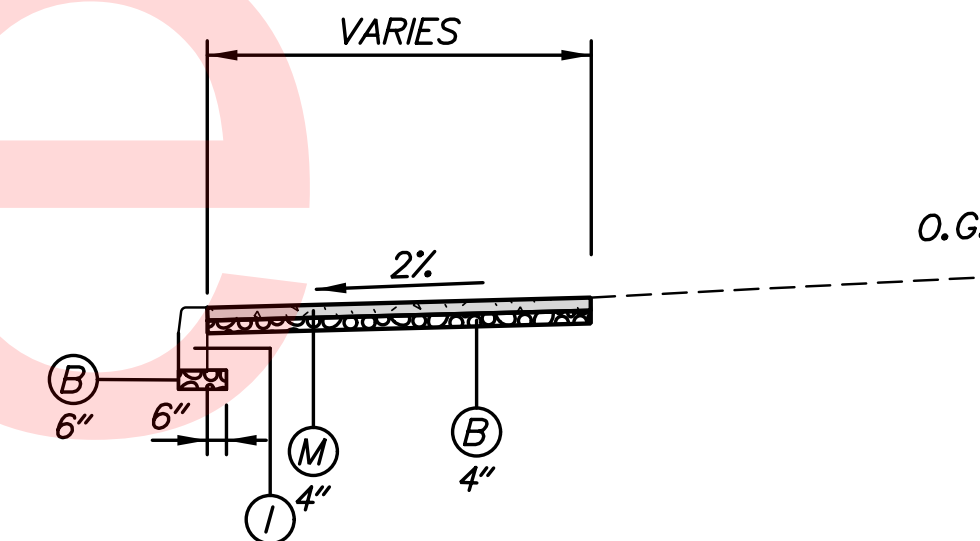
- NOTES:**
1. PRIOR TO FORMING CONCRETE PAVEMENT SECTION, CONTRACTOR SHALL SUBMIT A JOINT PLAN FOR APPROVAL BY THE ENGINEER.
 2. SUBGRADE FOR PERVIOUS CONCRETE SHALL NOT BE COMPACTED AND SHALL BE CLEAR OF SEDIMENT ABOVE THE EXISTING SAND SUBGRADE.
 3. SEE CONTRACT SPECIFICATIONS FOR PERVIOUS CONCRETE INSTALLATION REQUIREMENTS.
 4. DELAWARE NO. 57 STONE AND DELAWARE NO. 3 STONE SUBBASE SHALL BE CONSTRUCTED IN MAXIMUM 6" LIFTS. SEE CONTRACT SPECIFICATIONS.

LEGEND	
(A)	ITEM 501004 - PORTLAND CEMENT CONCRETE PAVEMENT, 10"
(B)	ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
(C)	ITEM 501532 - PERVIOUS PORTLAND CEMENT CONCRETE
(D)	ITEM 302012 - DELAWARE NO. 57 STONE
(E)	ITEM 302011 - DELAWARE NO. 3 STONE
(F)	ITEM 732002 - TOPSOIL, 6" DEPTH ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
(G)	ITEM 209001 - BORROW, TYPE A (IF REQUIRED TO FILL VOIDS)
(H)	ITEM 701023 - INTEGRAL PORTLAND CEMENT CONCRETE CURB, TYPE 3-6
(I)	ITEM 701014 - PORTLAND CEMENT CONCRETE CURB, TYPE 1-6
(J)	ITEM 401833 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22 (NON-CARBONATE STONE)
(K)	ITEM 401816 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22
(L)	ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
(M)	ITEM 705001 - P.C.C. SIDEWALK, 4"

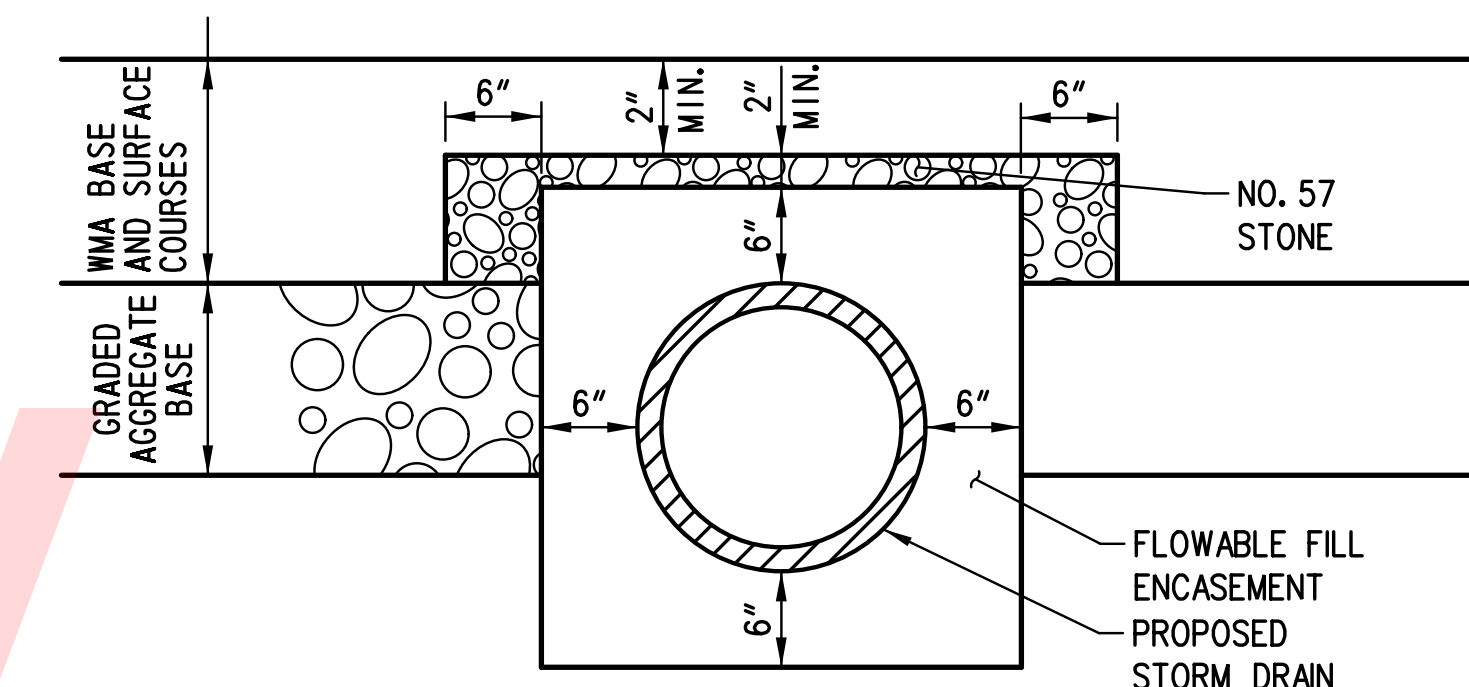
PR - POINT OF ROTATION
 PDGA - PROFILE DITCH GRADE APPLICATION
 PGA - PROFILE GRADE APPLICATION

MAXIMUM SINGLE LIFTS FOR THE FOLLOWING MATERIALS AFTER COMPACTION ARE:
 2" = WARM-MIX, TYPE C
 4" = WARM-MIX, TYPE B
 6" = WARM-MIX, BCBC
 8" = GABC

- NOTES:**
1. CONTRACTOR SHALL PROOF ROLL ALL SUBGRADE FOR THE ASPHALT PAVEMENT AND PORTLAND CEMENT CONCRETE PAVEMENT SECTIONS, BUT NOT FOR THE PERVIOUS PORTLAND CEMENT CONCRETE PAVEMENT SECTION. ALL UNSUITABLE MATERIAL FOUND SHALL BE EXCAVATED TO THE DEPTH OF STABLE SOIL AND BACKFILLED WITH APPROVED MATERIAL. THE CONTRACTOR SHALL COMPACT ALL MATERIALS TO MEET THE DELDOT STANDARD SPECIFICATIONS.
 2. IF REQUIRED, BORROW, TYPE A SHALL BE PLACED IN SUCCESSIVE LAYERS NOT TO EXCEED 8" IN DEPTH, LOOSE MEASUREMENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 3. SEE GRADING PLAN AND GRADES AND GEOMETRICS SHEETS FOR FURTHER DETAILS.
 4. THE PERVIOUS CONCRETE SHALL BE INSTALLED BY CERTIFIED INSTALLERS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.



PORTLAND CEMENT CONCRETE SIDEWALK TYPICAL SECTION



STORM DRAIN ENCASEMENT DETAIL

- NOTES:**
1. DETAIL SHALL BE USED WHERE OUTSIDE TOP OF STORM DRAIN TO BOTTOM OF WMA CLEARANCE IS LESS THAN 2 INCHES. WHERE TOP OF FLOWABLE FILL ENCASEMENT DOES NOT ENCRACH INTO THE GABC THE NO. 57 STONE LAYER SHALL BE PLACED ON TOP OF THE GABC.
 2. FLOWABLE FILL ENCASEMENT AND NO. 57 STONE SHALL BE MEASURED AND PAID AS ITEMS 208001 AND 302012, RESPECTIVELY.

NO. 90181-019-CADD-C:\P01-90181004-C-404.dgn
 10/30/2015 10:53:03 AM

ADDENDUMS / REVISIONS	

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CSC
	CHECKED BY: JDC

SITE STAKEOUT DATA

POINT	NORTHING	EASTING	DESCRIPTION	POINT	NORTHING	EASTING	DESCRIPTION	POINT	NORTHING	EASTING	DESCRIPTION
1001	272171.5873	726676.0583	BASELINE P I	1062	272362.7667	726632.6734	CURB LINE @ ISLAND	1149	272460.4058	726428.4959	END OF CURB
1002	272212.4172	726723.2014	BASELINE P I	1063	272471.6173	726538.3995	CURB LINE @ ISLAND	1150	272457.7871	726425.4722	END OF CURB
1003	272254.9715	726772.3353	BASELINE P I	1064	272461.2843	726553.9633	CURB LINE @ ISLAND	1152	272561.4803	726381.0646	CURB PC
1004	272294.2523	726817.6898	BASELINE P I	1065	272365.7078	726636.7407	CURB LINE @ ISLAND	1153	272562.9184	726380.2576	CURB PT
1005	272333.5331	726863.0442	BASELINE P I	1066	272359.6606	726641.9781	CURB LINE @ ISLAND	1154	272566.1120	726347.2733	CURB PC
1006	272469.7185	726745.0961	BASELINE P I	1068	272289.6670	726781.9736	CURB LINE @ ISLAND	1155	272562.8254	726345.4606	CURB PRC
1007	272477.4943	726659.0135	BASELINE P I	1069	272378.5319	726705.0090	CURB LINE @ ISLAND	1156	272555.7219	726351.6129	CURB PT
1008	272485.2753	726572.8726	BASELINE P I	1070	272384.5792	726699.7715	CURB LINE @ ISLAND	1157	272544.6973	726360.0253	CURB PC
1009	272490.9807	726509.7109	BASELINE P I	1071	272452.9430	726640.5626	CURB LINE @ ISLAND	1158	272499.2932	726390.4168	CURB PC
1010	272477.2383	726493.8437	BASELINE P I	1072	272466.5494	726628.7783	CURB LINE @ ISLAND	1159	272490.6310	726397.0266	CURB PT
1011	272182.6658	726714.8167	RADIUS POINT	1073	272458.2081	726715.3776	CURB LINE	1187	272549.9321	726691.6886	CURB PT
1013	272214.1153	726700.6739	RADIUS POINT	1074	272444.6017	726727.1619	CURB LINE	1201	272462.7561	726444.5402	CORNER OF
1014	272234.9278	726724.8168	RADIUS POINT	1075	272328.9478	726827.3280	CURB LINE	1202	272470.3152	726437.9934	CORNER OF
1015	272256.5869	726749.8247	RADIUS POINT	1076	272363.4315	726927.3551	END OF CURB	1211	272488.6396	726477.6893	CURB PC
1016	272277.4820	726773.9503	RADIUS POINT	1077	272181.9776	727124.4975	END OF CURB	1214	272527.8978	726498.4018	EDGE OF SIDEWALK
1017	272295.8677	726795.1792	RADIUS POINT	1081	272055.4150	727089.3850	CURB PC	1215	272523.0071	726497.9794	CURB P I
1018	272316.7629	726819.3052	RADIUS POINT	1082	272045.5264	727077.3958	CURB LINE	1216	272521.8479	726564.8965	EDGE OF SIDEWALK
1019	272335.1485	726840.5336	RADIUS POINT	1083	272021.9951	727028.8160	CURB LINE	1220	272510.4484	726636.2065	CURB P I
1020	272342.9016	726589.0242	RADIUS POINT	1084	271958.6147	726947.1098	CURB LINE	1229	272505.6244	726745.1001	FENCE CORNER
1021	272350.2453	726624.9972	RADIUS POINT	1085	271965.5244	726874.1113	CURB PT	1230	272501.6495	726748.4763	FENCE CORNER
1022	272371.8498	726649.9421	RADIUS POINT	1086	272153.2391	726710.4069	CURB PT	1243	272320.7406	726926.9190	EDGE OF PAV
1023	272468.1044	726529.5357	RADIUS POINT	1087	272186.0530	726711.2529	CURB PCC	1249	271949.7216	726922.2014	CORNER OF HC RAMP
1024	272472.0767	726563.3695	RADIUS POINT	1088	272194.6217	726684.1910	CURB PC	1250	271950.7568	726927.1678	CORNER OF HC RAMP
1025	272464.5535	726613.3090	RADIUS POINT	1090	272506.4493	726405.8162	CURB PC	1252	272124.9288	727095.1859	END OF CURB
1026	272457.5863	726615.3744	RADIUS POINT	1091	272547.6604	726426.8999	CURB PT	1253	272176.6056	726706.9231	CORNER OF HC RAMP
1027	272464.2053	726650.5112	RADIUS POINT	1092	272519.3925	726738.9169	CURB PC	1255	272181.7027	726709.0362	CORNER OF HC RAMP
1028	272372.3900	726691.8075	RADIUS POINT	1093	272493.8258	726788.8091	CURB PT	1261	272610.0538	726278.8552	CORNER OF HC RAMP
1029	272390.7211	726712.9730	RADIUS POINT	1107	271876.9501	726867.2057	CURBPT	1262	272604.4529	726288.9202	CORNER OF HC RAMP
1030	272456.7751	726699.4207	RADIUS POINT	1108	271924.2974	726870.3371	CURB PT	1265	272171.2683	726730.3104	EDGE OF SIDEWALK
1031	272449.2450	726701.9737	RADIUS POINT	1109	272482.1202	726387.1998	CURB PC	1266	272436.4568	726821.3157	EDGE OF SIDEWALK
1032	272456.3338	726737.6531	RADIUS POINT	1110	272492.0620	726379.6136	CURB PT	1270	272448.2729	726415.6325	CORNER OF HC RAMP
1033	272487.3835	726738.4999	RADIUS POINT	1111	272537.4654	726349.2226	CURB PC	1272	272443.7374	726419.5606	CORNER OF HC RAMP
1034	272479.1385	726759.4016	RADIUS POINT	1112	272547.2111	726341.7861	CURB PT	1273	272070.5746	727100.6069	CORNER OF HC RAMP
1035	272496.6465	726630.3949	RADIUS POINT	1114	272615.5168	726254.6074	CURB PC	1274	272075.6247	727102.9599	CORNER OF HC RAMP
1036	272207.8469	726687.4537	CURB LINE	1115	272614.2898	726184.9122	CURB END	1275	271904.7367	726877.6906	CORNER OF HC RAMP
1037	272330.6579	726580.9972	CURB LINE	1116	272609.7149	726307.1498	CORNER OF HC RAMP	1276	271909.6792	726876.9350	CORNER OF HC RAMP
1038	272336.7051	726575.7598	CURB LINE	1117	272579.9658	726369.3832	CURB PT	1279	272605.8888	726312.0497	CURB PC
1039	272466.2974	726463.5218	CURB LINE	1118	272558.4955	726607.0721	CURB PC	1280	272610.8002	726307.1472	CURB PCC
1040	272476.7845	726475.6303	CURB PC	1119	272605.2077	726678.7016	CURB PT	1281	272116.2254	727150.4008	CORNER OF HC RAMP
1041	272479.5132	726477.0007	CURB PT	1120	272617.7787	726682.9181	CURB PC	1283	272115.1105	727157.4577	CORNER OF HC RAMP
1043	272492.3265	726479.7010	CURB PT	1121	272623.1785	726679.0708	CURB PT	1288	272547.0776	726730.6462	CURB PC
1044	272499.7213	726488.2393	CURB PC	1122	272616.5187	726309.9358	CURB PC	1289	272515.5262	726453.8063	BUILDING CORNER
1047	272522.1014	726498.6507	EDGE OF SIDEWALK	1123	272625.4256	726806.7452	END OF CURB	1301	272537.1063	726431.6579	BUILDING CORNER
1048	272510.5796	726627.1351	CURB P I	1126	272624.4161	726748.6561	CURB PT	1304	272482.5673	726737.5121	CURB PC
1050	272500.8561	726734.7802	CURB P I	1128	272599.9743	726703.2949	CURB PT	1305	272482.0567	726742.9677	CURB PT
1051	272483.9999	726772.5248	CURB P I	1129	272555.2047	726688.2569	CURB PC	1306	272475.8677	726755.7211	CURB PRC
1052	272347.8107	726890.4763	CURB P I	1130	272505.7040	726809.1768	CURB PT	1307	272523.3882	726694.0634	CORNER OF HC RAMP
1053	272337.5849	726878.6701	CURB PC	1131	272349.9432	726944.0779	CURB PC	1308	272523.8619	726689.0858	CORNER OF HC RAMP
1055	272329.9257	726878.7362	CURB PT	1132	272349.4487	726951.0171	CURB PT	1314	272476.7412	726533.9617	CURB P I
1056	272288.4194	726830.8135	CURB PC	1133	272160.9604	727107.7481	CURB PC	1315	272476.0930	726541.1377	CURB P I
1057	272282.8240	726830.4773	CURB PT	1134	272120.9877	727142.3756	CURB PT	1316	272201.4064	726692.0390	CORNER OF HC RAMP
1058	272272.9539	726839.0107	CURB P I	1135	272118.8438	727168.9112	CURB PC	1318	272418.0717	726854.4195	END OF CURB
1059	272175.9949	726727.0987	CURB P I	1136	272174.2199	727235.2470	END OF CURB	1321	272367.4260	726898.2831	BEGIN PAV. TAPER
1061	272356.3872	726638.1986	CURB ISLAND	1145	272200.0762	726653.9635	CURB PT	1322	272517.6733	726430.0369	BUILDING CORNER
				1146	272197.4575	726650.9399	CURB PC	1326	272180.0835	726744.0392	BUILDING CORNER
				1147	272454.7365	726433.4060	END OF CURB				
				1148	272452.1178	726430.3823	END OF CURB				

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ADDENDUMS / REVISIONS	

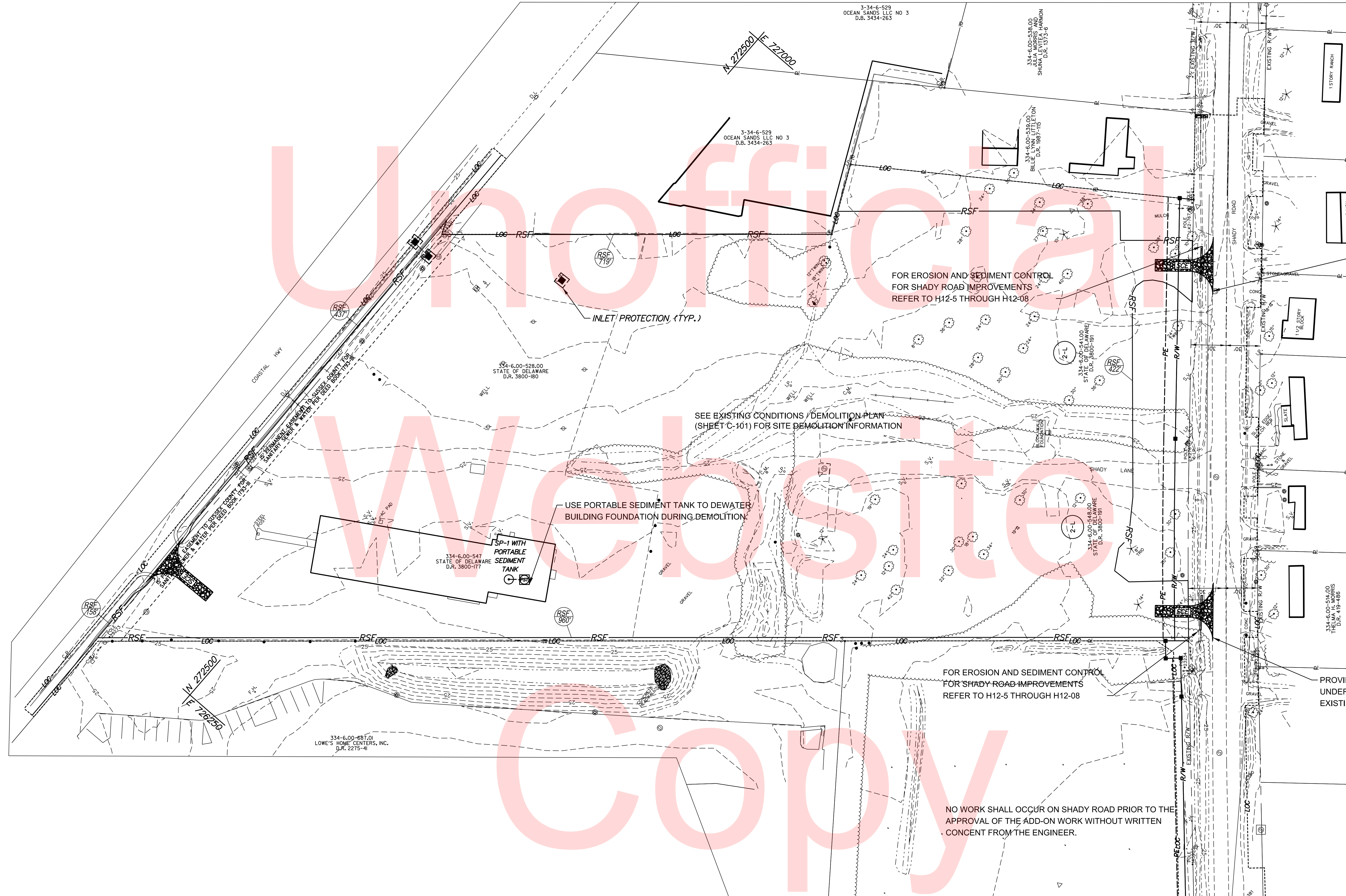
**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: PMG
SUSSEX	CHECKED BY: PMG

STAKEOUT DATA

C-405
SHEET NO.
16
TOTAL SHTS.
72

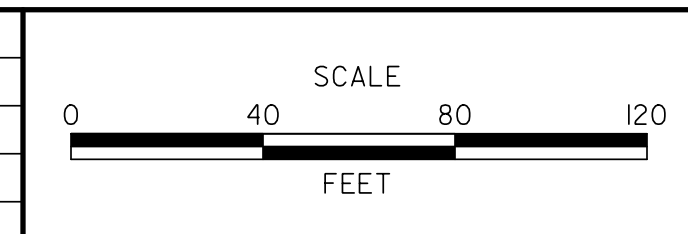
NO 19018-019A.CADD\SSO1_LEWES_AB.dgn
01/28/2015 9:53:06 AM



PROVIDE TEMPORARY PIPE UNDER SCE TO MAINTAIN EXISTING DITCH FLOW

PROVIDE TEMPORARY PIPE UNDER SCE TO MAINTAIN EXISTING DITCH FLOW

ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: H.P., C.R.
	CHECKED BY: S.P.

**EROSION AND SEDIMENT
CONTROL PLAN
STAGE 1**

CS-01
SHEET NO. 17
TOTAL SHTS. 72

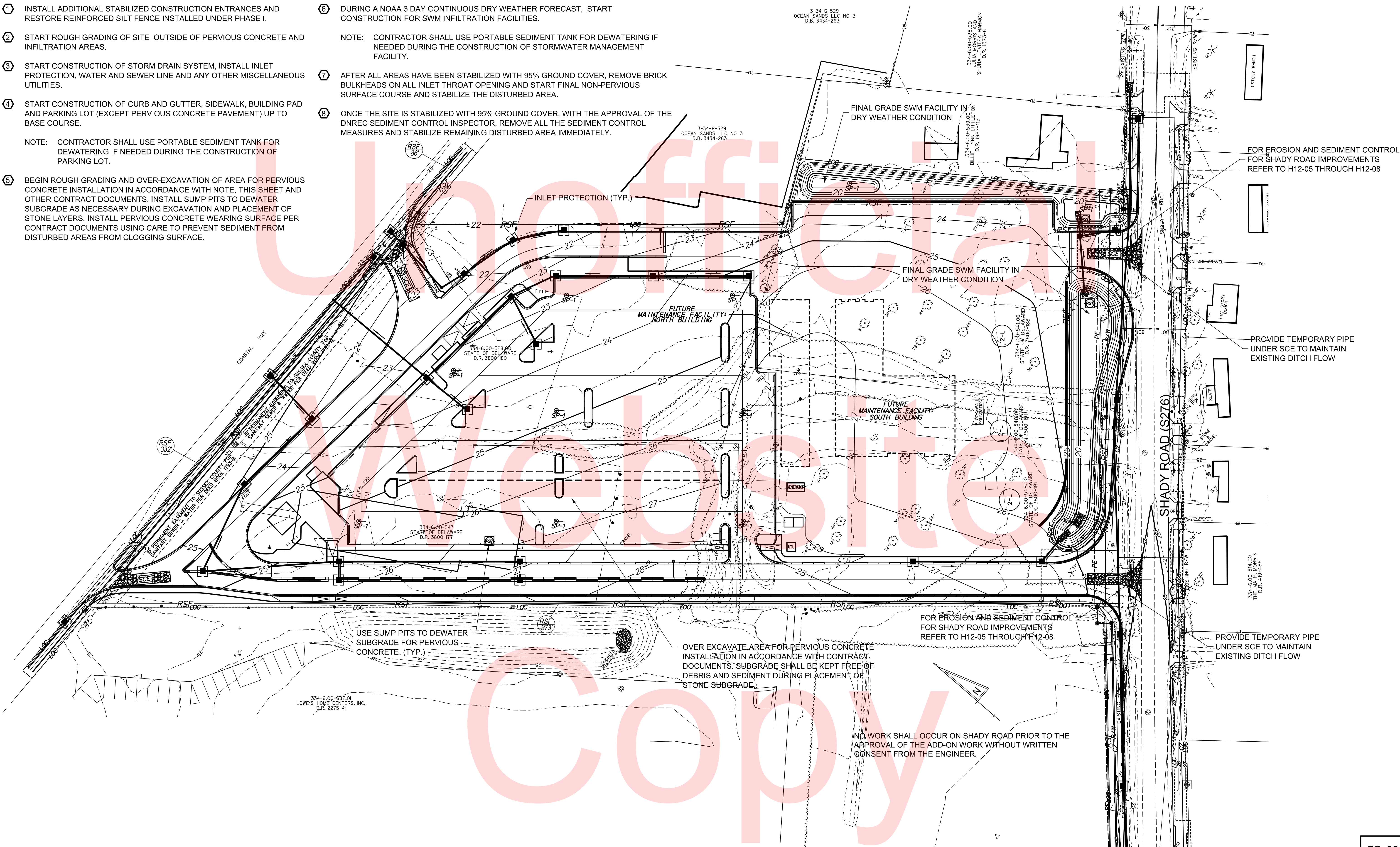
SEQUENCE OF CONSTRUCTION - STAGE II

- ① INSTALL ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES AND RESTORE REINFORCED SILT FENCE INSTALLED UNDER PHASE I.
- ② START ROUGH GRADING OF SITE OUTSIDE OF PERVIOUS CONCRETE AND INFILTRATION AREAS.
- ③ START CONSTRUCTION OF STORM DRAIN SYSTEM, INSTALL INLET PROTECTION, WATER AND SEWER LINE AND ANY OTHER MISCELLANEOUS UTILITIES.
- ④ START CONSTRUCTION OF CURB AND GUTTER, SIDEWALK, BUILDING PAD AND PARKING LOT (EXCEPT PERVIOUS CONCRETE PAVEMENT) UP TO BASE COURSE.
- ⑤ BEGIN ROUGH GRADING AND OVER-EXCAVATION OF AREA FOR PERVIOUS CONCRETE INSTALLATION IN ACCORDANCE WITH NOTE, THIS SHEET AND OTHER CONTRACT DOCUMENTS. INSTALL SUMP PITS TO DEWATER SUBGRADE AS NECESSARY DURING EXCAVATION AND PLACEMENT OF STONE LAYERS. INSTALL PERVIOUS CONCRETE WEARING SURFACE PER CONTRACT DOCUMENTS USING CARE TO PREVENT SEDIMENT FROM DISTURBED AREAS FROM CLOGGING SURFACE.
- ⑥ DURING A NOAA 3 DAY CONTINUOUS DRY WEATHER FORECAST, START CONSTRUCTION FOR SWM INFILTRATION FACILITIES.
- ⑦ AFTER ALL AREAS HAVE BEEN STABILIZED WITH 95% GROUND COVER, REMOVE BRICK BULKHEADS ON ALL INLET THROAT OPENING AND START FINAL NON-PERVIOUS SURFACE COURSE AND STABILIZE THE DISTURBED AREA.
- ⑧ ONCE THE SITE IS STABILIZED WITH 95% GROUND COVER, WITH THE APPROVAL OF THE DNREC SEDIMENT CONTROL INSPECTOR, REMOVE ALL THE SEDIMENT CONTROL MEASURES AND STABILIZE REMAINING DISTURBED AREA IMMEDIATELY.

NOTE: CONTRACTOR SHALL USE PORTABLE SEDIMENT TANK FOR DEWATERING IF NEEDED DURING THE CONSTRUCTION OF PARKING LOT.

NOTE: CONTRACTOR SHALL USE PORTABLE SEDIMENT TANK FOR DEWATERING IF NEEDED DURING THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITY.

NOTE: CONTRACTOR SHALL USE PORTABLE SEDIMENT TANK FOR DEWATERING IF NEEDED DURING THE CONSTRUCTION OF PARKING LOT.



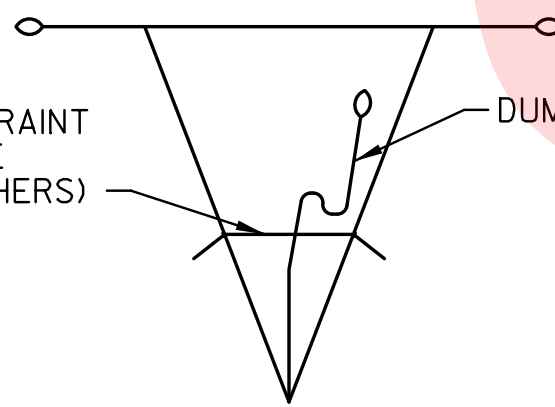
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ADDENDUMS / REVISIONS	

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: H.P., C.R.
SUSSEX	CHECKED BY: S.P.

EXPANSION RESTRAINT
(1/4" NYLON ROPE
W/ 2" FLAT SASHERS)

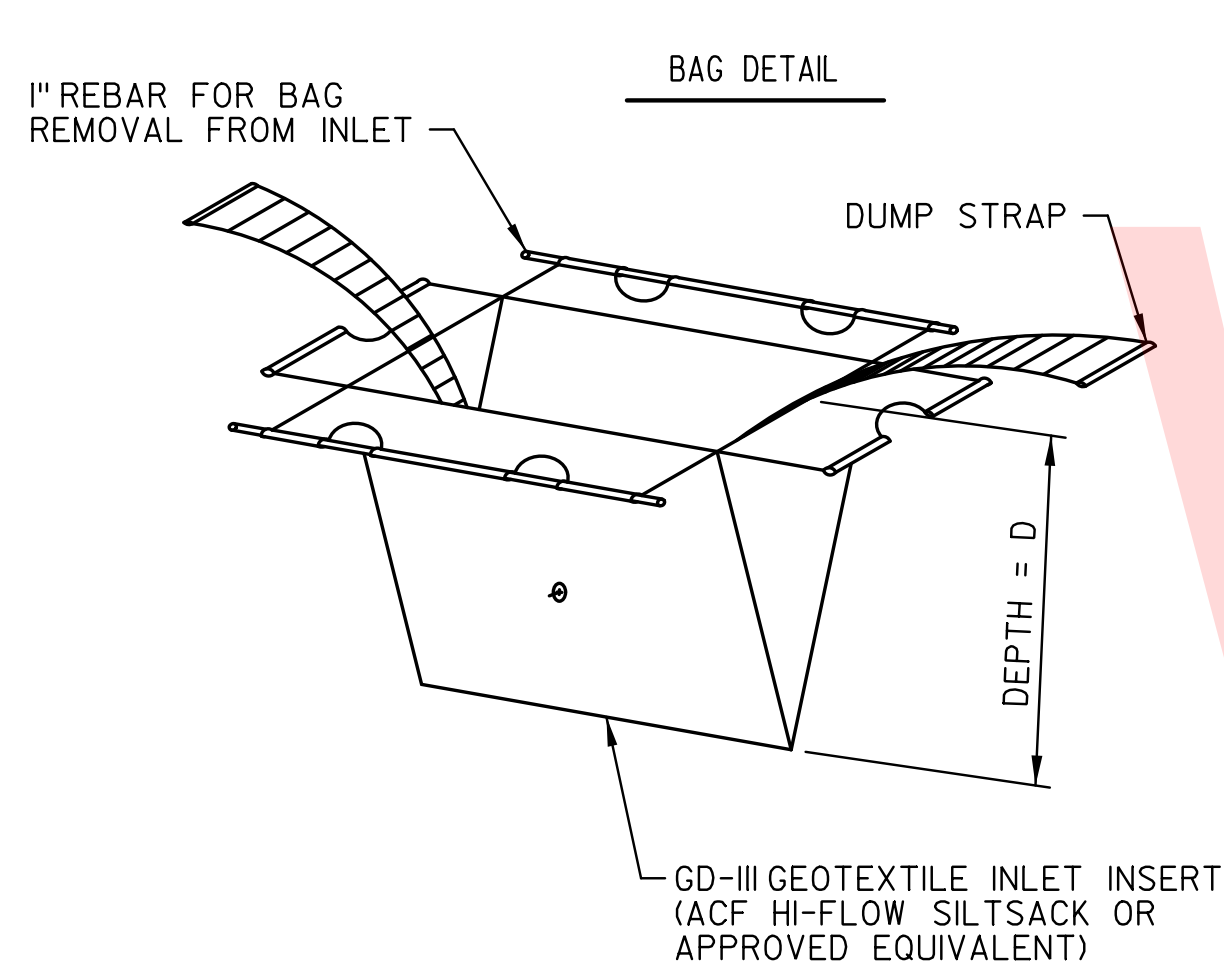
DUMP STRAPS, 2 EA.



BAG DETAIL

1" REBAR FOR BAG
REMOVAL FROM INLET

DUMP STRAP



GD-II GEOTEXTILE INLET INSERT
(ACF HI-FLOW SILTSACK OR
APPROVED EQUIVALENT)

PERSPECTIVE VIEW

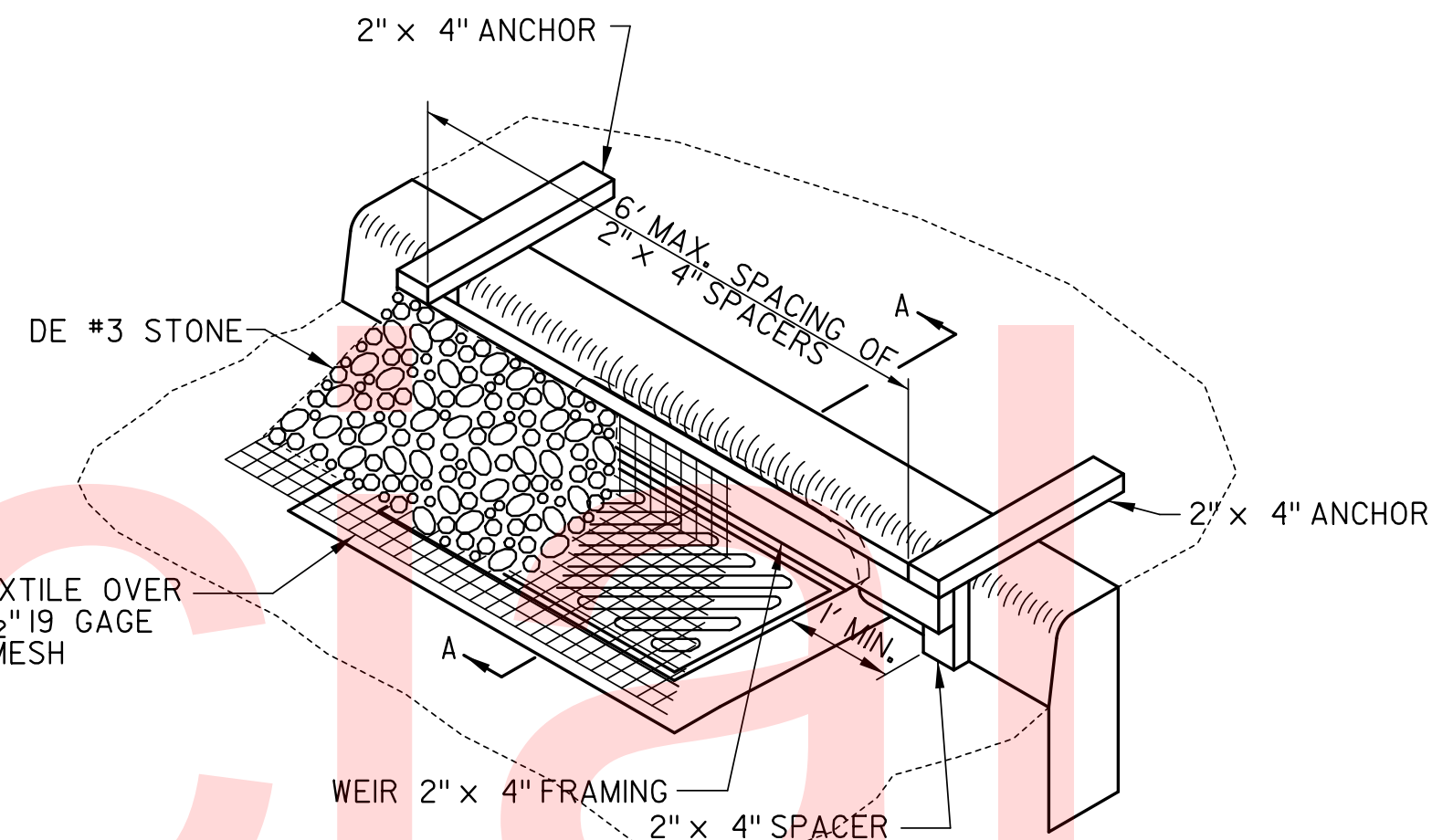
PLAN SYMBOL



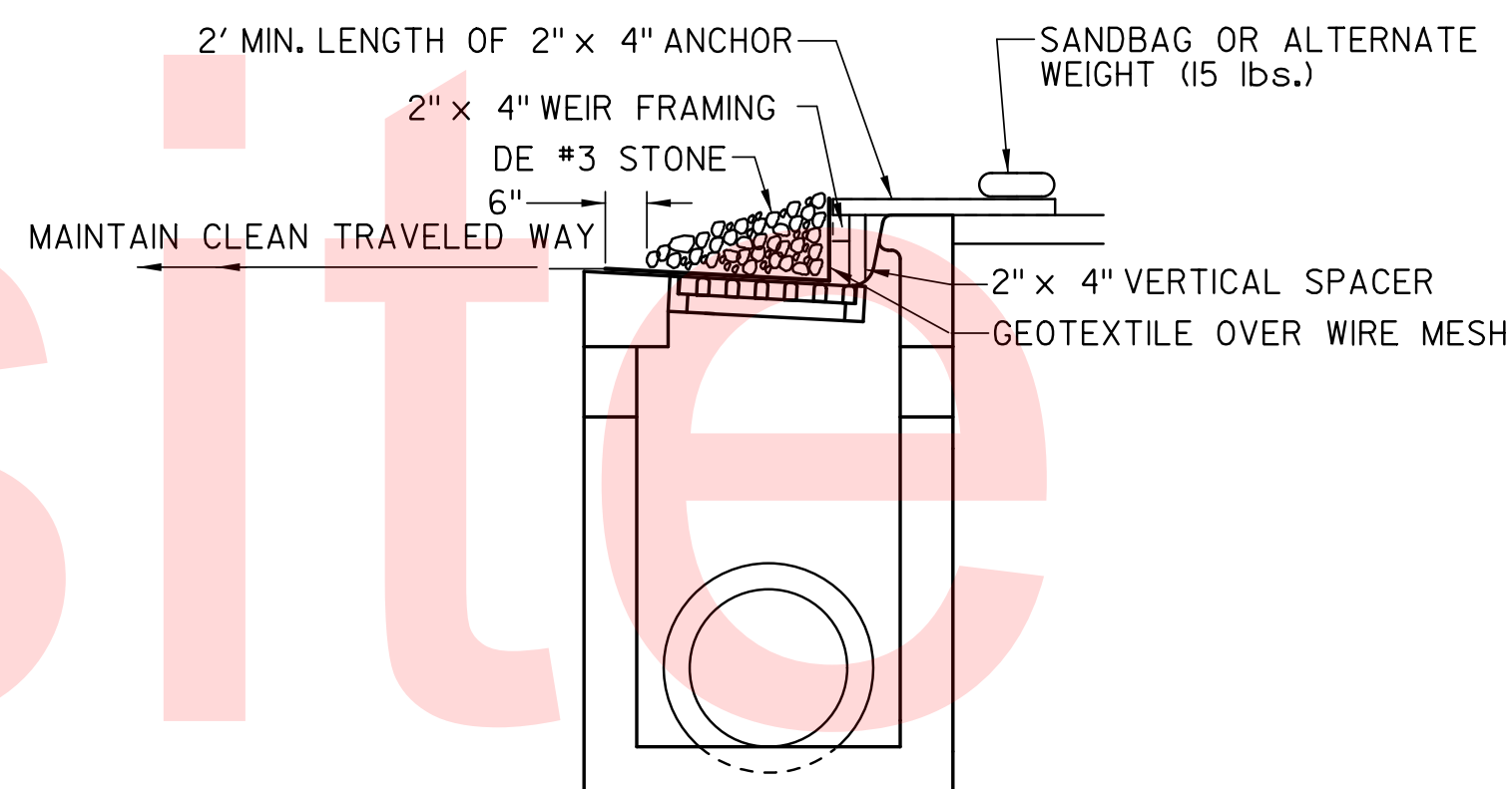
INLET SEDIMENT CONTROL
ITEM 905004
SCALE: NONE

NOTES:

1. TO BE USED FOR GRATE INLETS.



ISOMETRIC VIEW



SECTION A-A

PLAN SYMBOL



INLET SEDIMENT CONTROL
ITEM 905005
SCALE: NONE

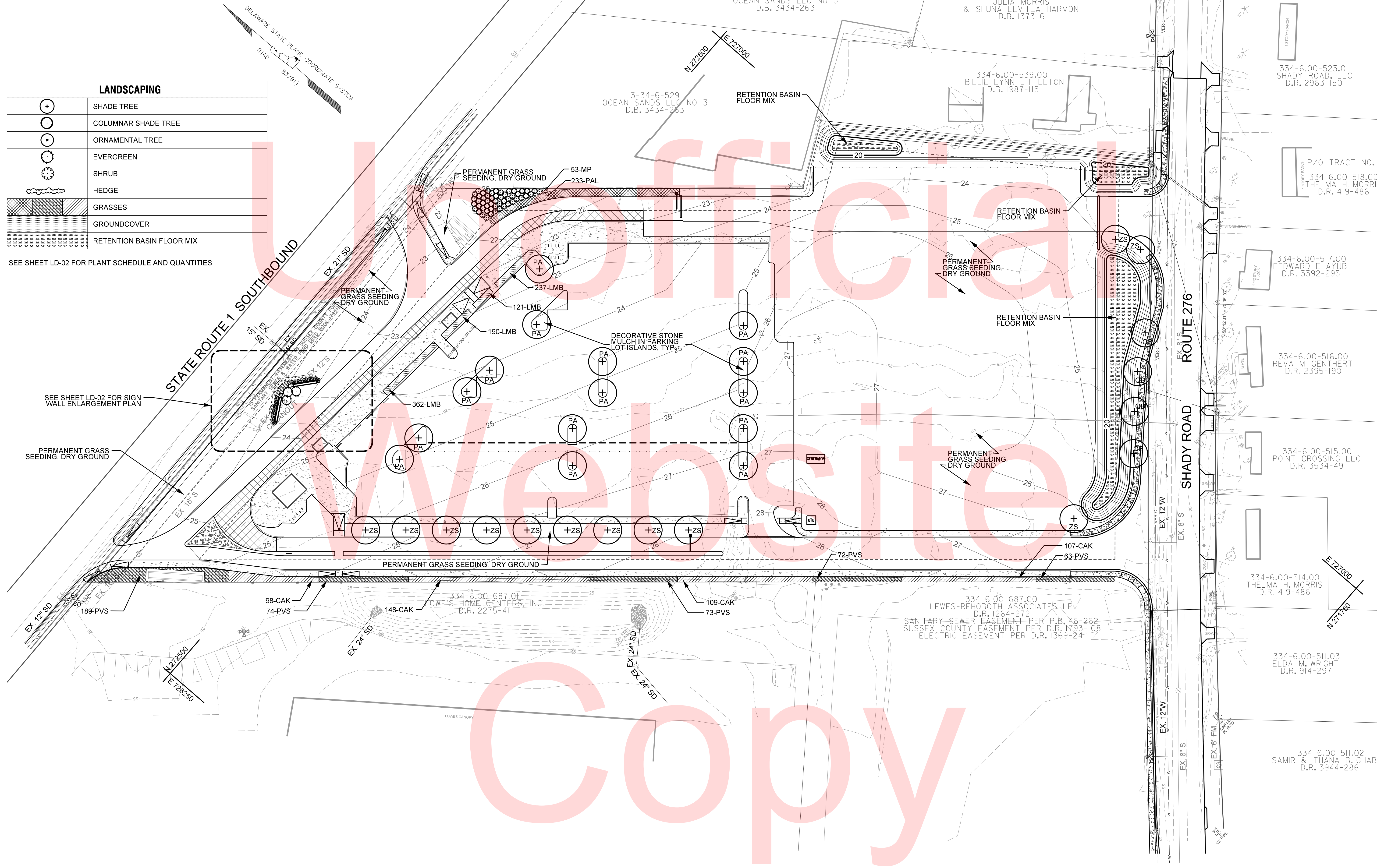
NOTES:

1. TO BE USED FOR CURB OPENING INLETS.
2. IN AREAS OF PERVIOUS PAVEMENT, STONE PLACEMENT SHALL NOT
EXTEND BEYOND THE GUTTER PAN.

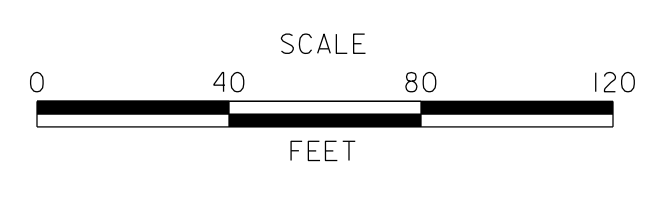
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01/28/2015 9:53:47 AM

LANDSCAPING	
	SHADE TREE
	COLUMNAR SHADE TREE
	ORNAMENTAL TREE
	EVERGREEN
	SHRUB
	HEDGE
	GRASSES
	GROUNDCOVER
	RETENTION BASIN FLOOR MIX

SEE SHEET LD-02 FOR PLANT SCHEDULE AND QUANTITIES



ADDENDUMS / REVISIONS



LEWES PARK & RIDE AND SITE WORK

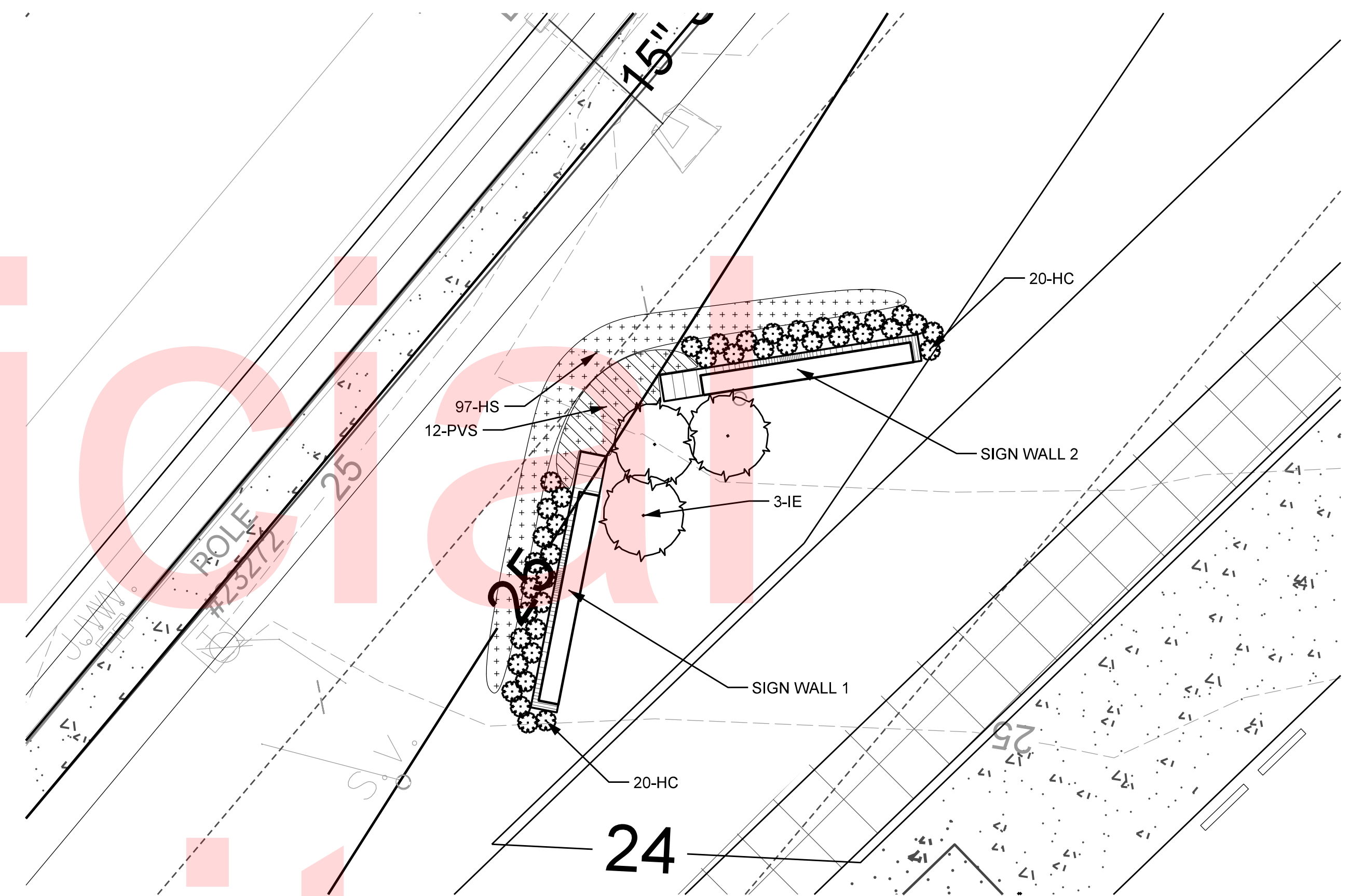
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TB
	CHECKED BY: JKS

LANDSCAPE PLAN

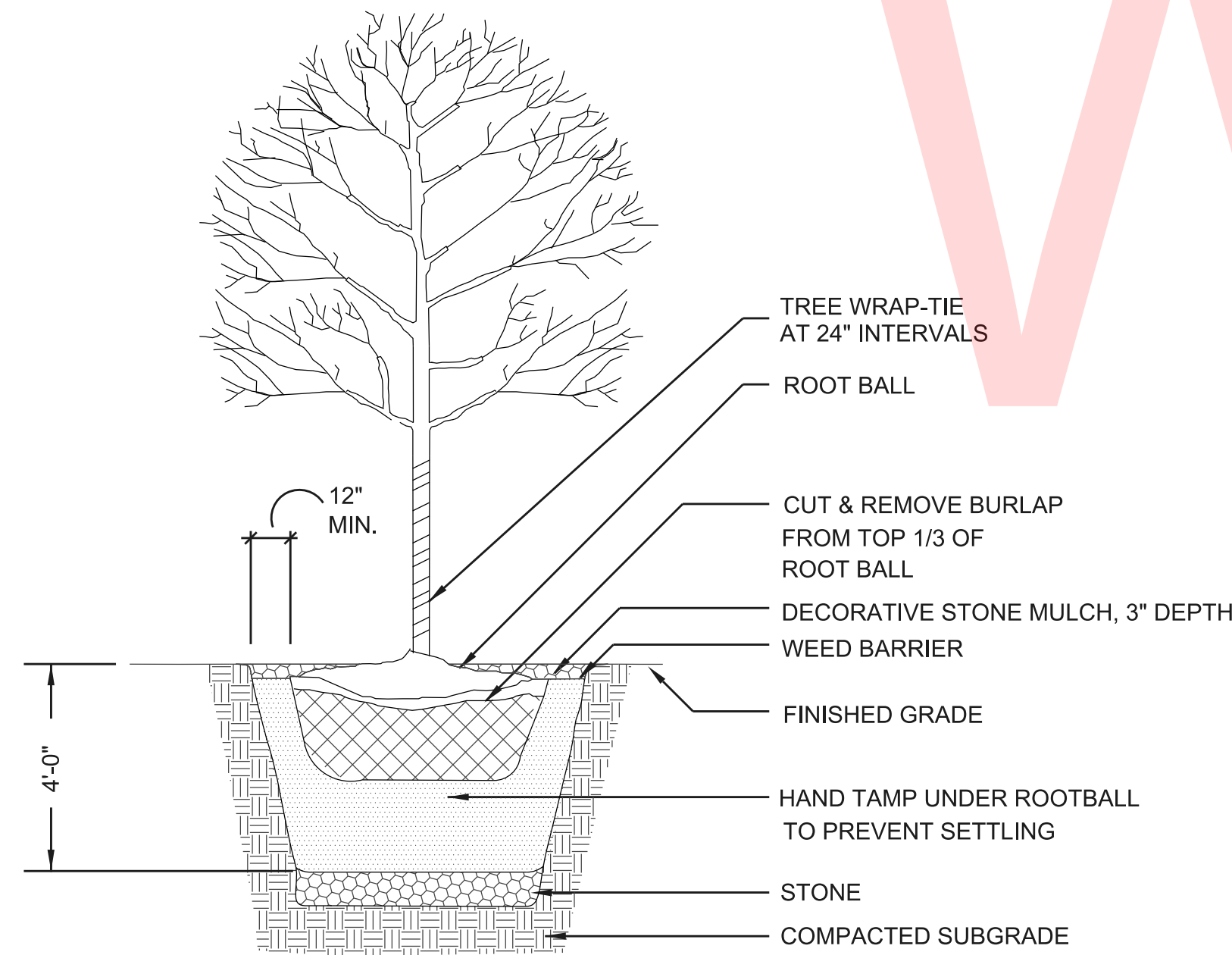
LD-01
SHEET NO. 20
TOTAL SHTS. 72

PLANT SCHEDULE

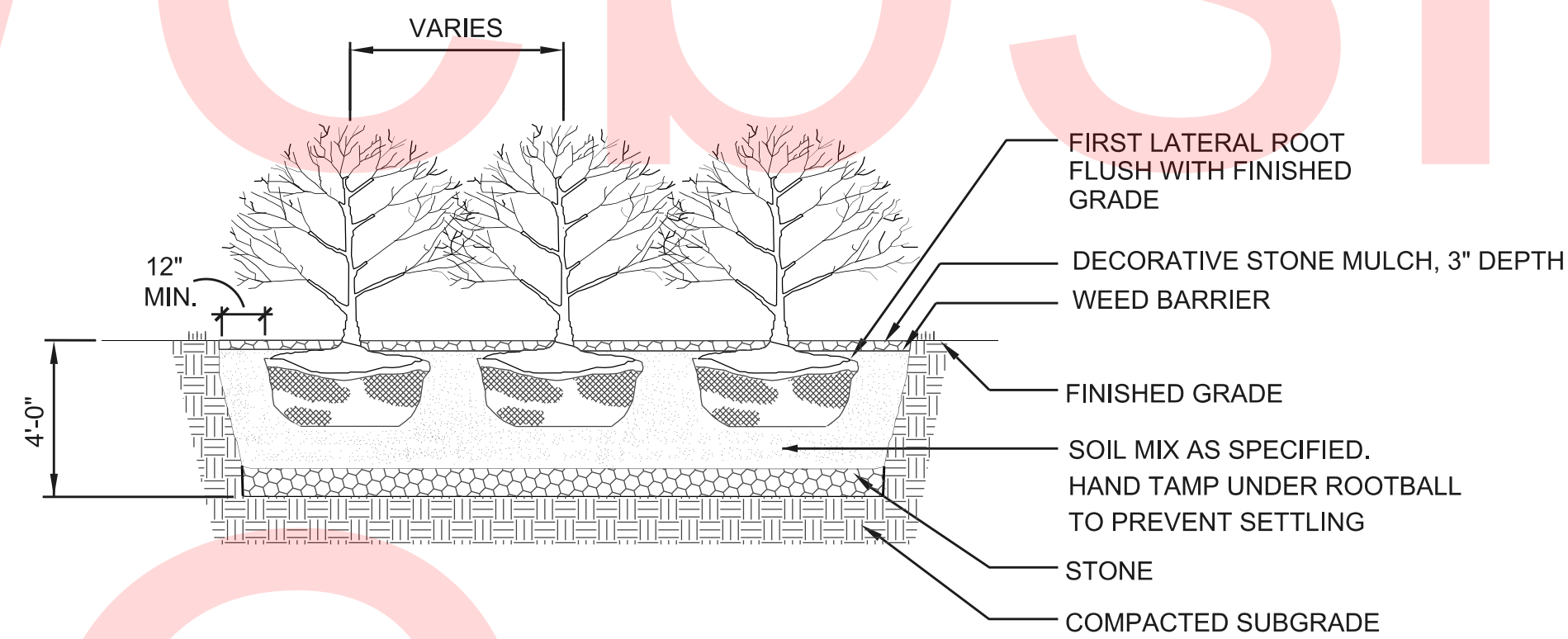
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
SHADE TREE						
PA	15	PLANTANUS X ACERIFOLIA 'COLUMBIA'	COLUMBIA LONDON PLANETREE	3" CAL.	B&B	MATCHED
QB	4	QUERCUS BICOLOR	SWAMP WHITE OAK	3" CAL.	B&B	MATCHED, BRANCHED AT 7'
ZS	12	ZELKOVA SERRATA	JAPANESE ZELKOVA	3" CAL.	B&B	MATCHED, BRANCHED AT 7'
EVERGREEN						
IE	3	ILEX X 'EMILY BRUNER'	EMILY BRUNER HOLLY	5' HT.	B&B	MATCHED
SHRUB						
HC	40	HYPERICUM CALYGINUM	ST. JOHN'S WORT	#2	CONT.	
MP	53	MYRICA PENNSYLVANICA	NORTHER BAYBERRY	#7	CONT.	4' HT.
GRASSES/GROUNDCOVERS/PERENNIALS						
CAK	532	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#2	CONT.	
HS	97	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO DAYLILY	#1	CONT.	
LMB	980	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	#1	CONT.	
PAL	233	PENNISETUM ALOPECUROIDES	FOUNTAINGRASS	#2	CONT.	
PVS	483	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCHGRASS	#2	CONT.	
NM	405	NARCISSUS 'MINNOW'	MINNOW TAZETTA DAFFODIL	BULB	DN1	INTERPLANTING TO BE RANDOMLY SPACED
ST	405	SEDUM TERNATUM	WHORLED STONECROP	#1	CONT.	INTERPLANTING TO BE RANDOMLY SPACED



3 SIGN WALL ENLARGEMENT PLAN
LD-02 1"=10'



1 TREE PLANTING
LD-02 NTS



NOTE:
1. CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL AS SHOWN.

2 SHRUB PLANTING
LD-02 NTS

ADDENDUMS / REVISIONS

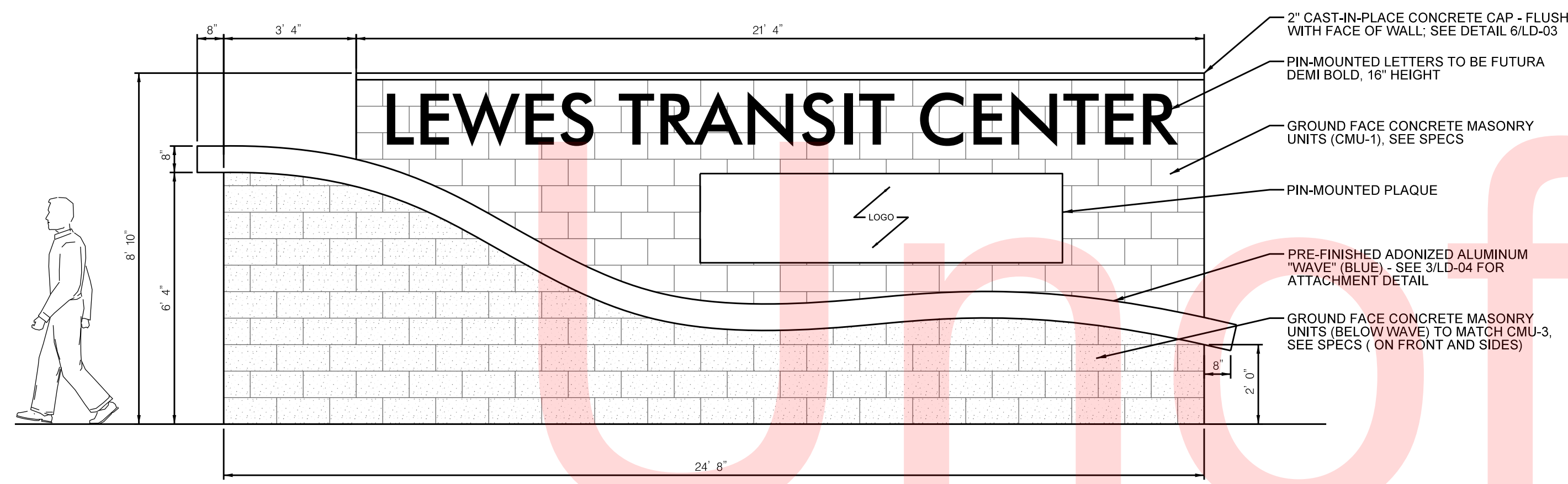


**LEWES PARK & RIDE
AND SITE WORK**

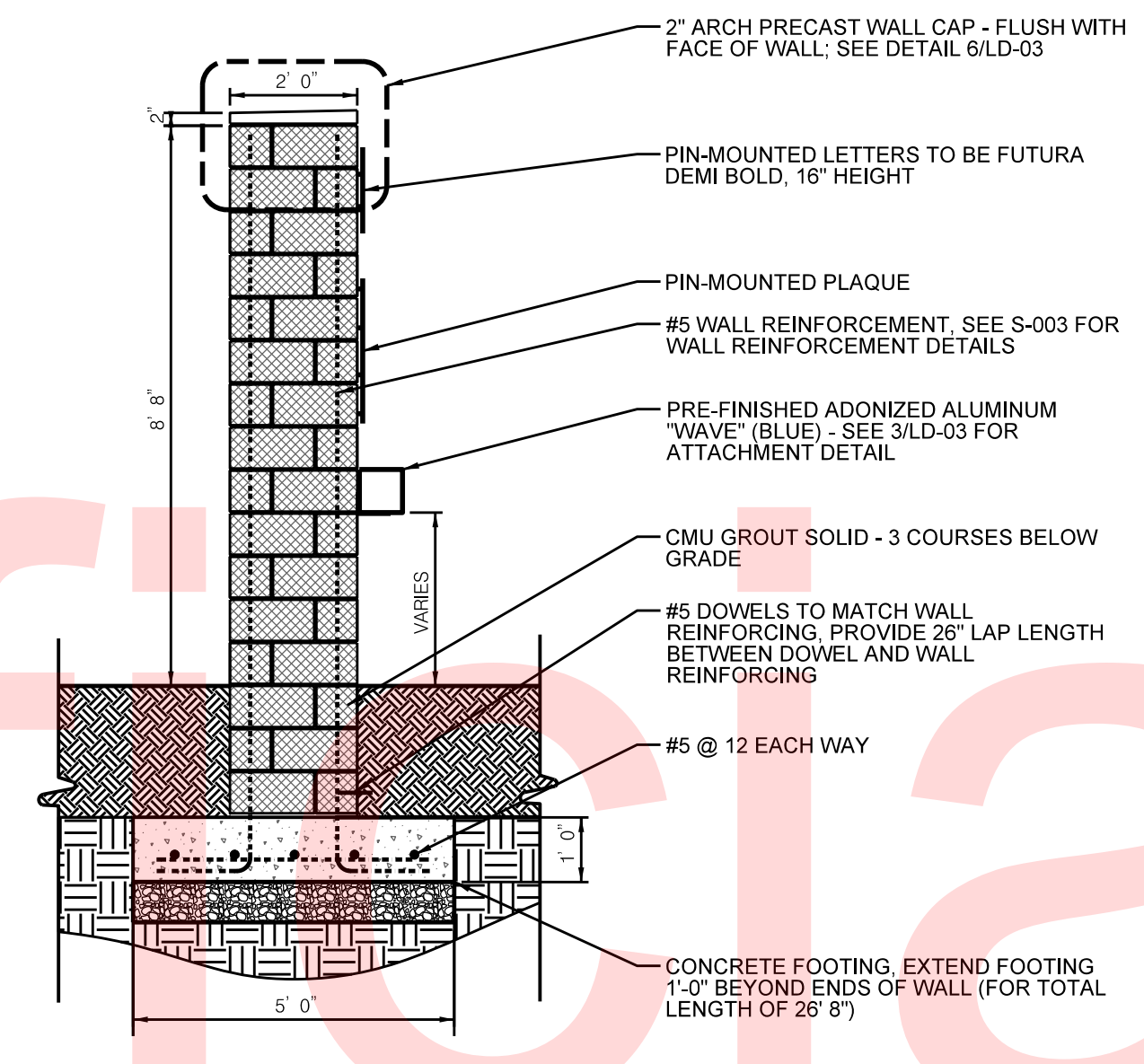
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TB
	CHECKED BY: JKS

LANDSCAPE SCHEDULE & DETAILS

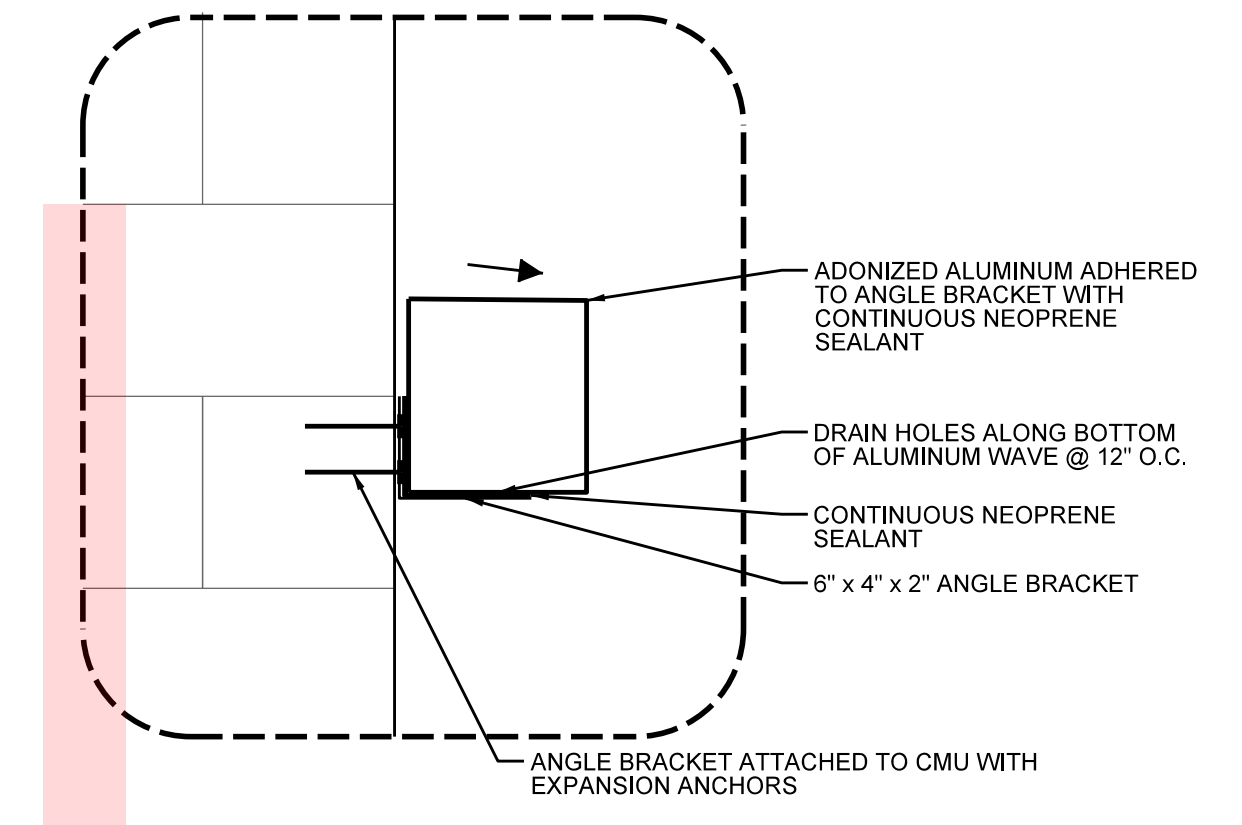
LD-02
SHEET NO. 21
TOTAL SHTS. 72



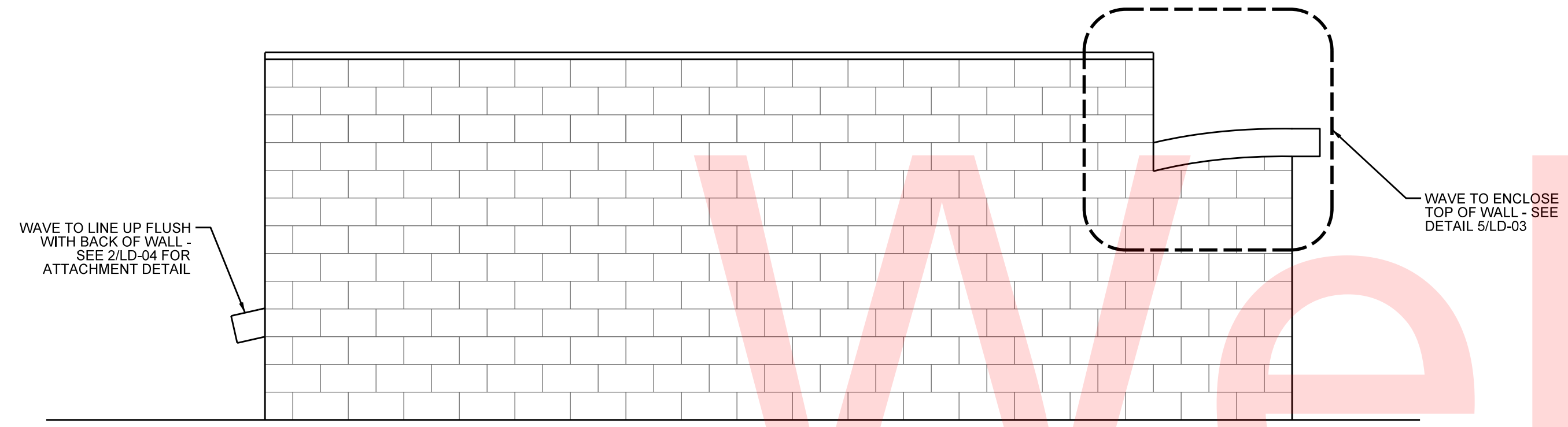
1 SIGN WALL 1 - FRONT ELEVATION
LD-03
3/8" = 1'



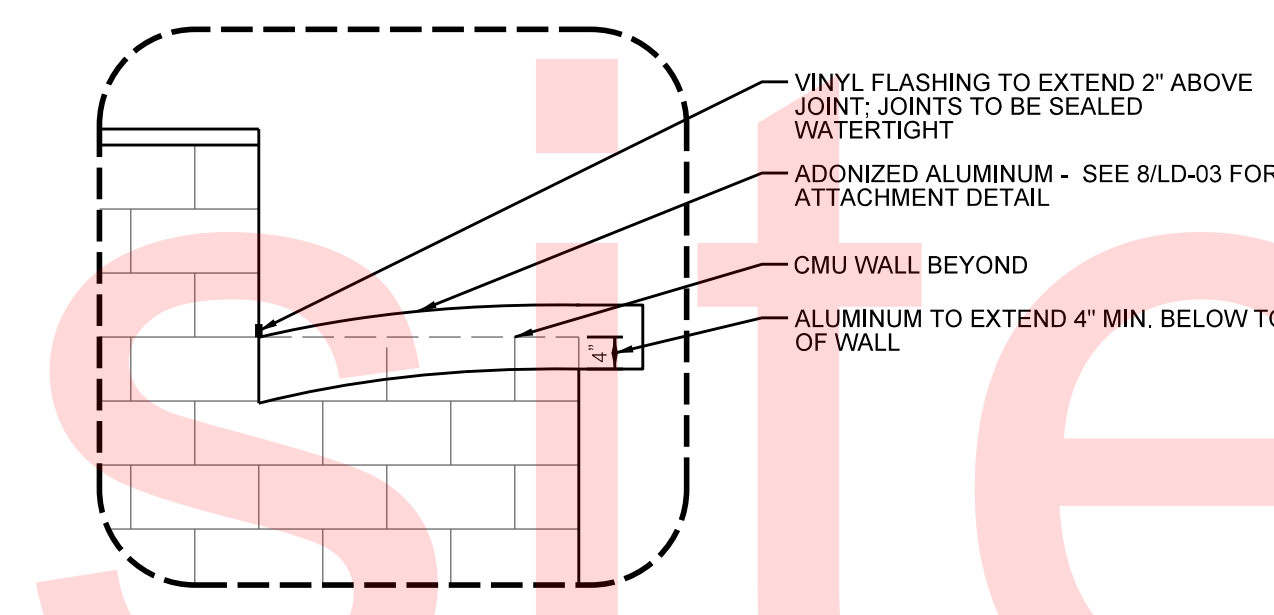
2 WALL SECTION
LD-03
3/8" = 1'



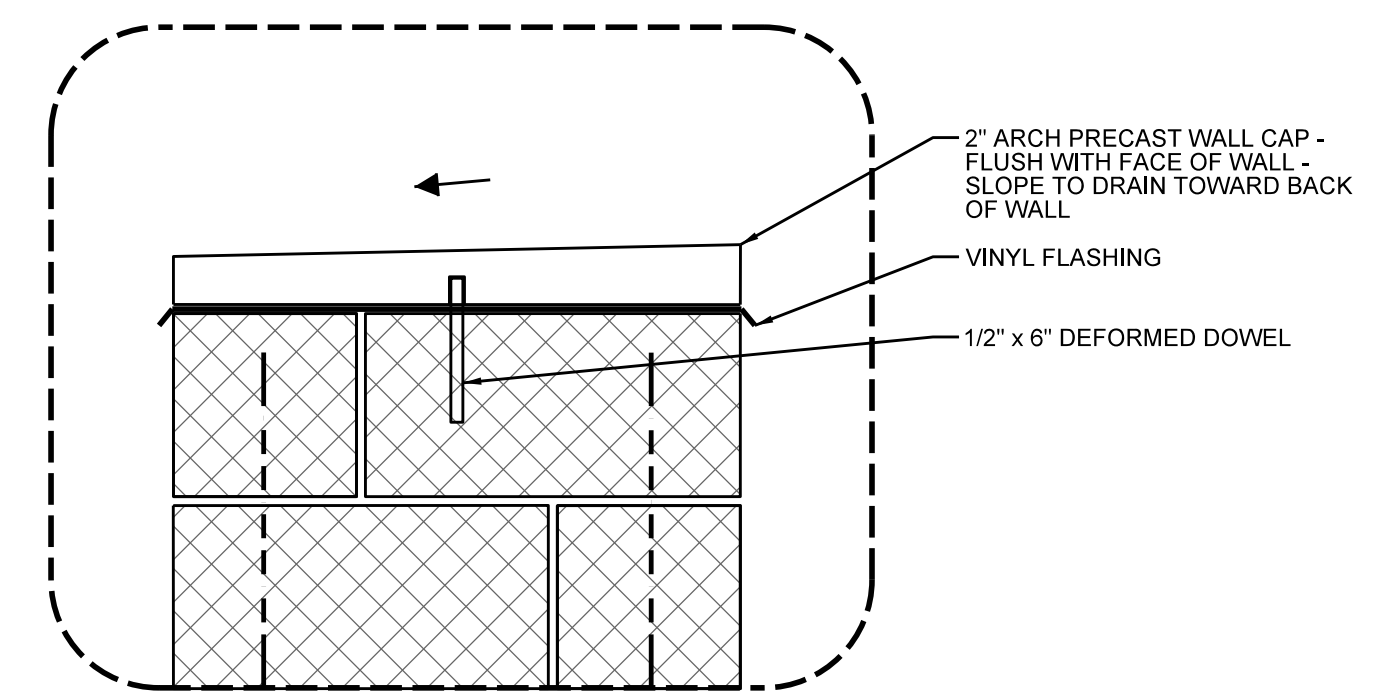
3 WAVE ALONG LENGTH OF WALL
LD-03
1-1/2" = 1'



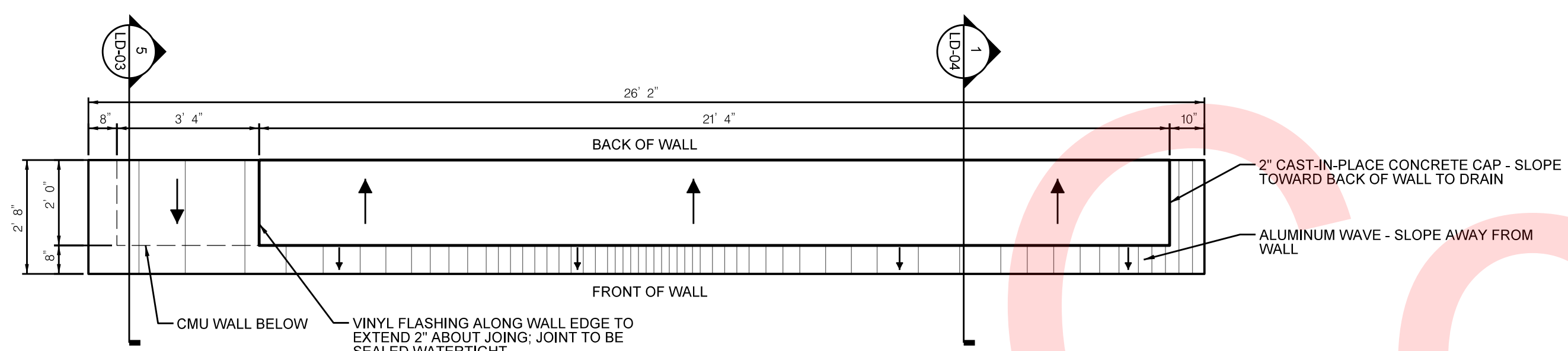
4 SIGN WALL 1 - BACK ELEVATION
LD-03
3/8" = 1'



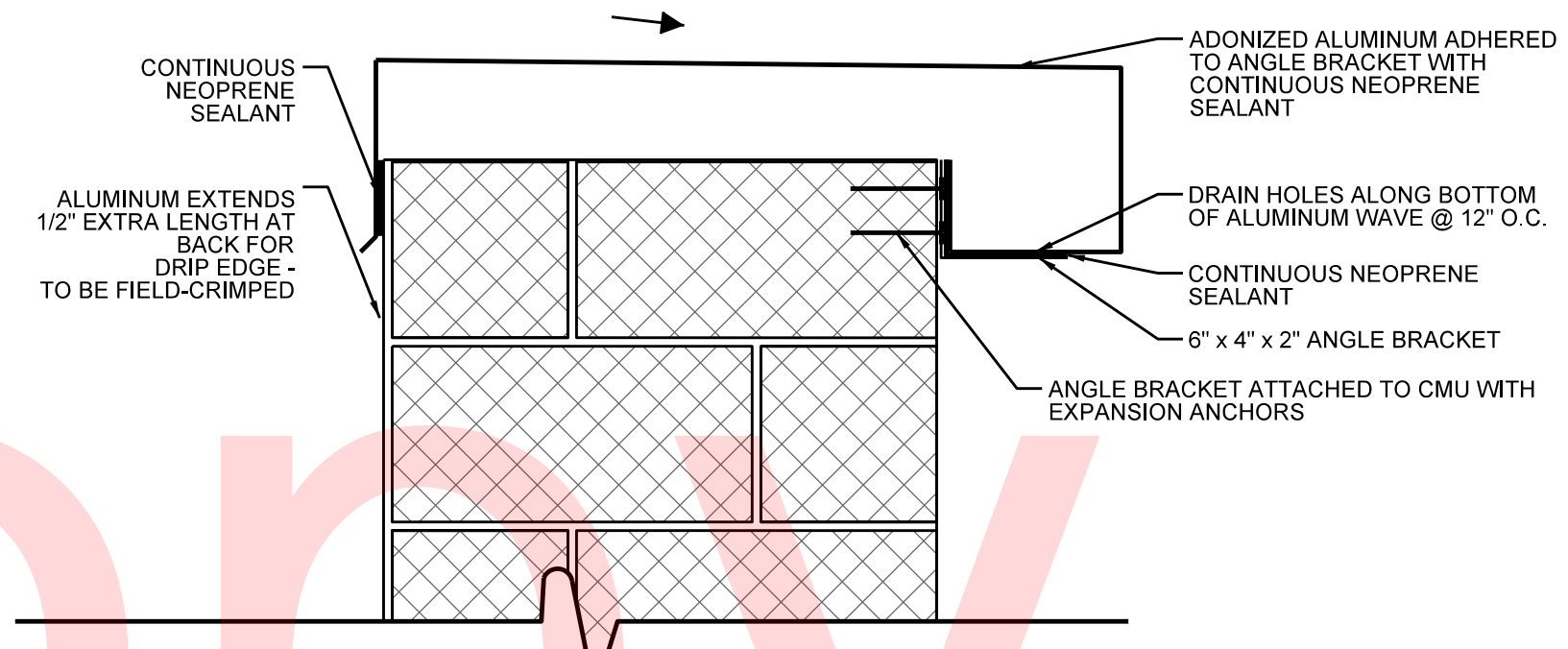
5 WAVE / WALL COPING
LD-03
1/2" = 1'



6 ARCH PRECAST CAP
LD-03
1-1/2" = 1'



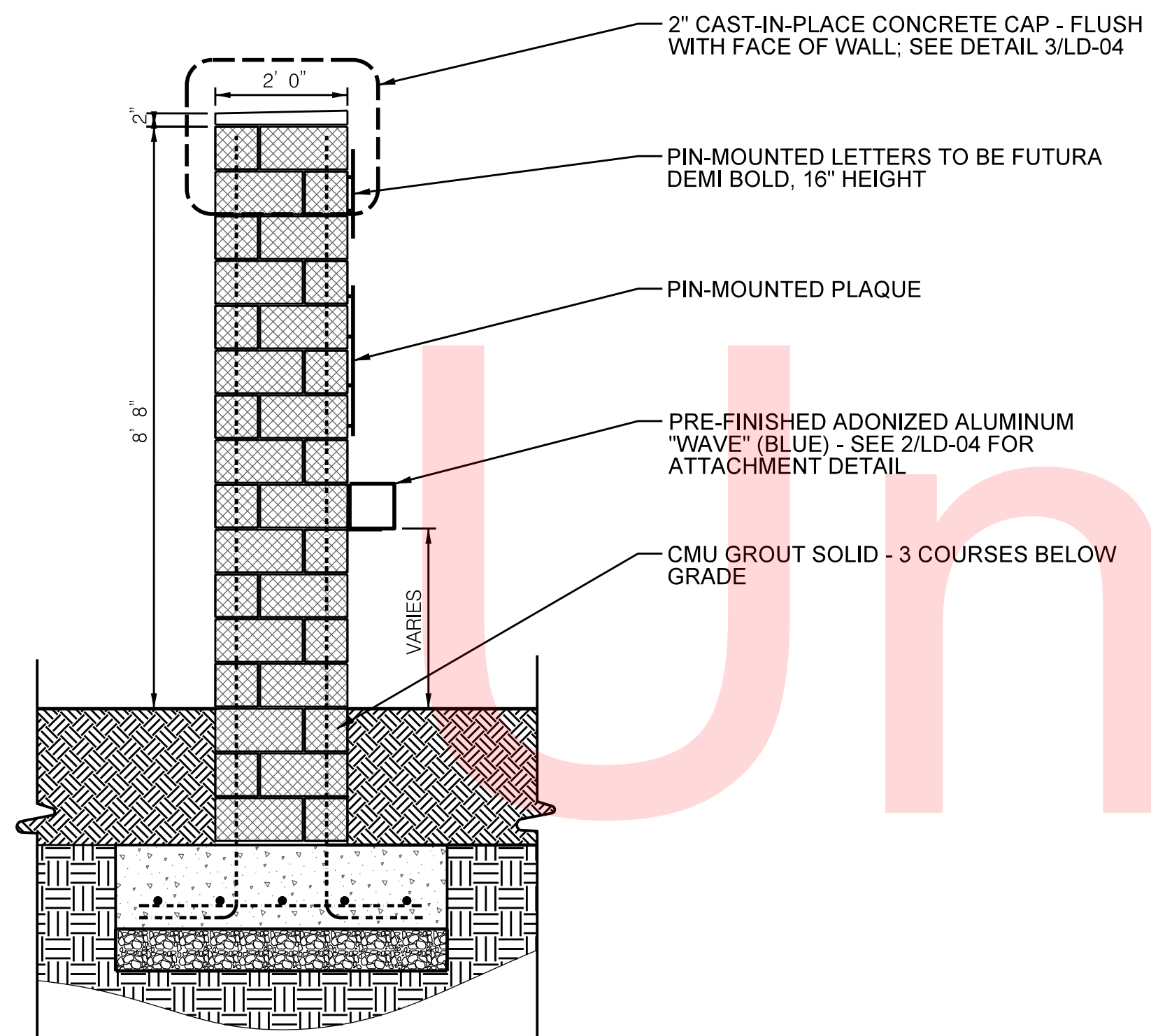
7 SIGN WALL 1 - PLAN
LD-03
3/8" = 1'



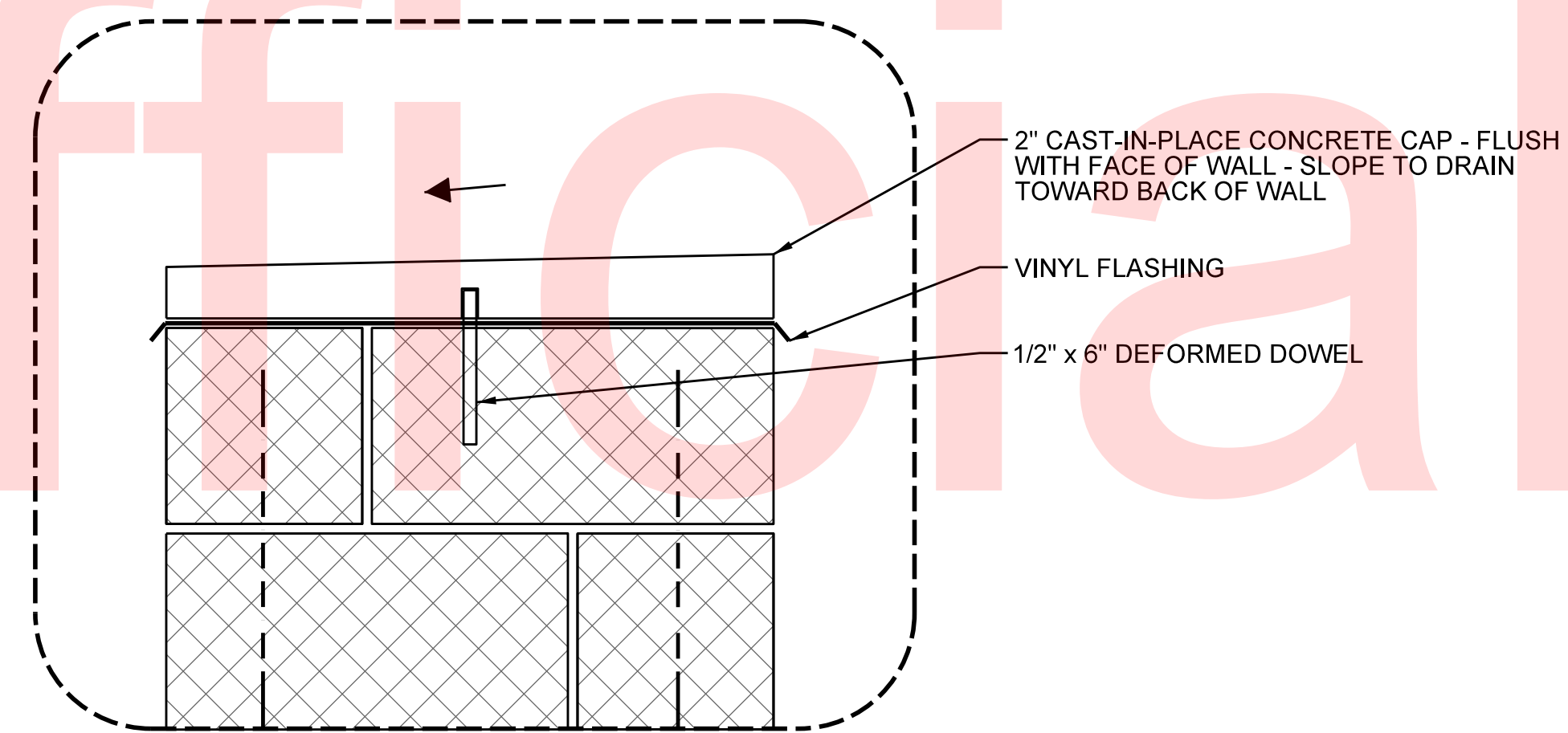
8 WAVE / WALL COPING AT TOP OF WALL
LD-03
1-1/2" = 1'

NOTE: SIGN WALL 2 TO BE MIRRORED
- SEE DETAIL 4/LD-04

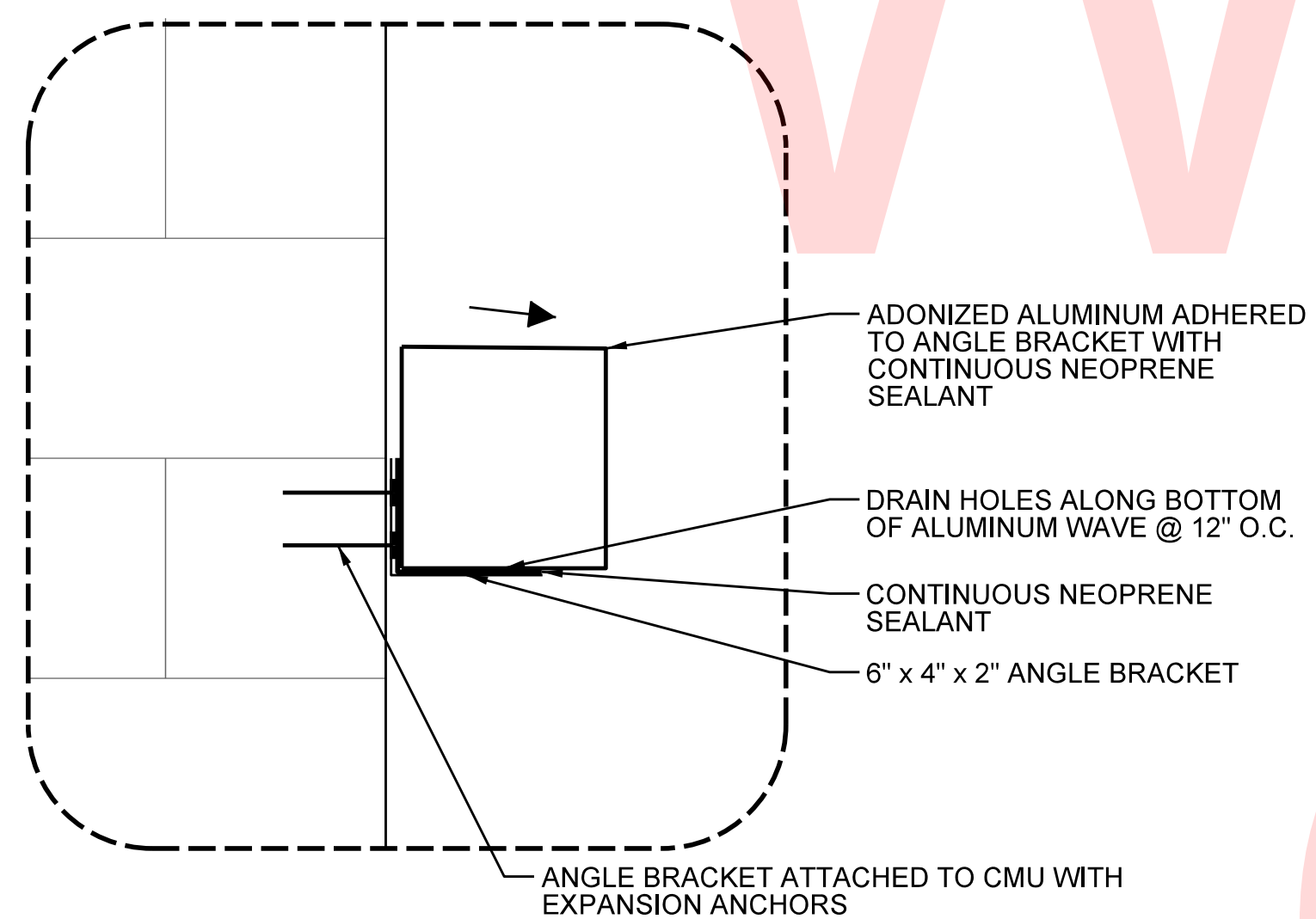
S:\DRAWINGS\2015\12\15\LD-03



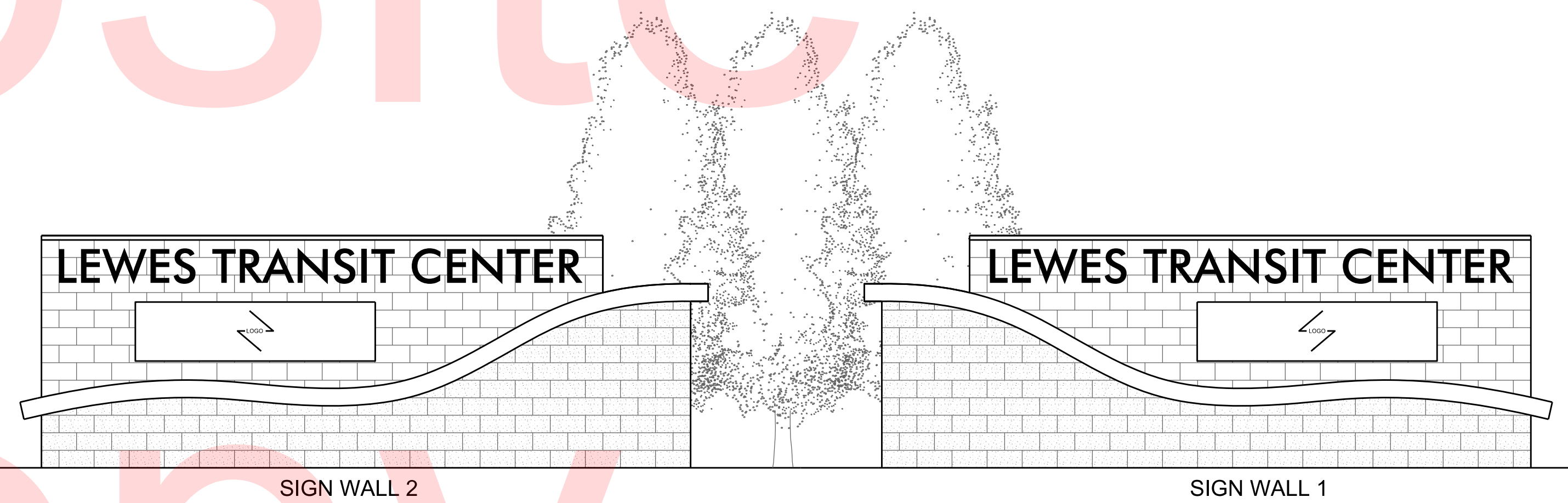
1 WALL SECTION
LD-04 1/2"=1'



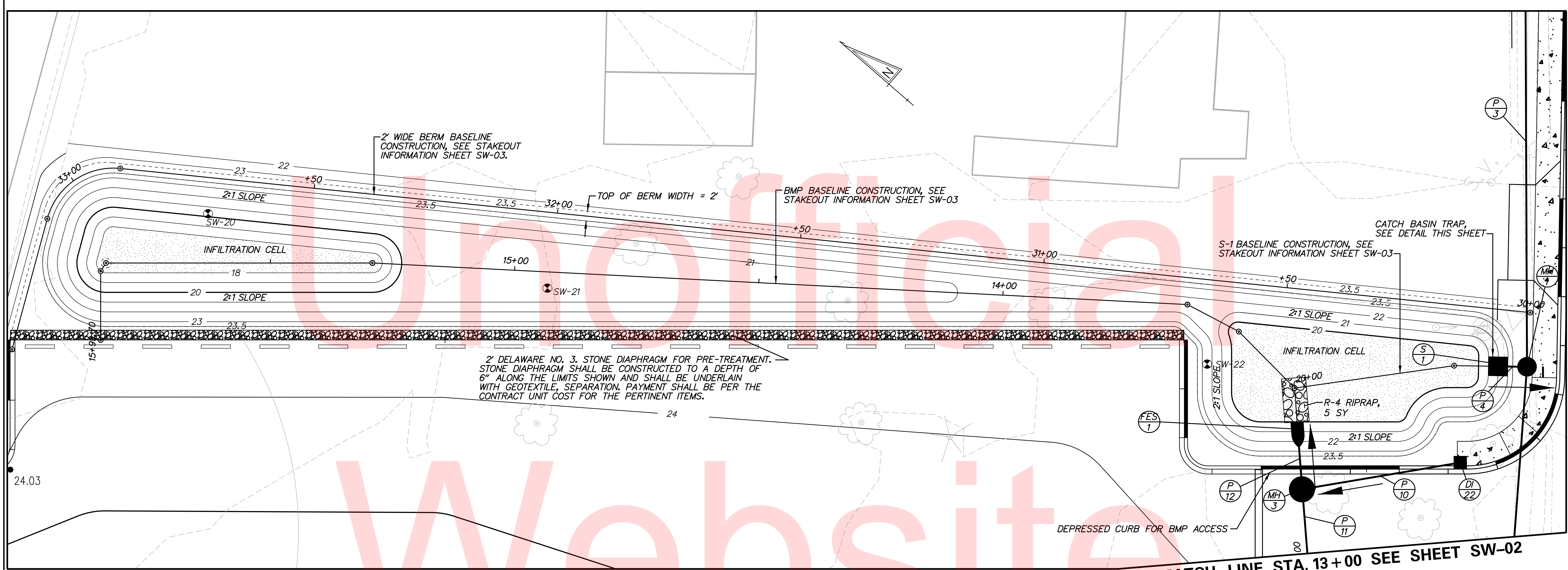
3 ARCH PRECAST CAP
LD-04 2"=1'



2 WAVE ALONG LENGTH OF WALL
LD-04 2"=1'

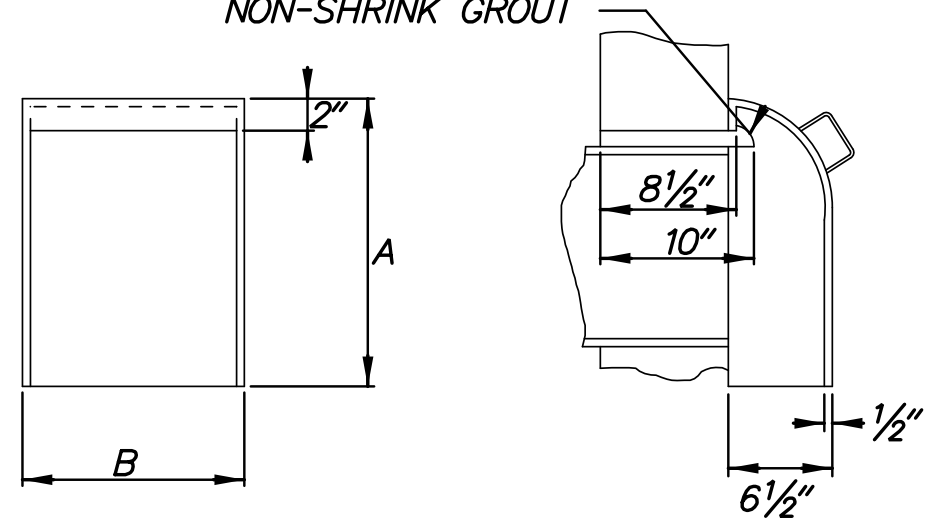


4 ELEVATION - BOTH SIGN WALLS
LD-04 NTS



PLAN - LTC BMP NO.1 EAST CELL
SCALE: 1" = 10'

CAST IRON SUPPORT HOOK TO BE SET INTO RISER STRUCTURE AND SEALED WITH NON-SHRINK GROUT



DIMENSIONS IN INCHES			
A	B	PIPE SIZE	SETTING METHOD
16	12	TO 6	ON 2 HOOKS

CATCH BASIN TRAP
SCALE: NONE

CATCH BASIN TRAP NOTES:

- CATCH BASIN TRAP AND SUPPORT HOOKS SHALL BE FABRICATED FROM CAST IRON
- BOTTOM OF TRAP SHALL EXTEND A MINIMUM OF 6-INCHES BELOW THE BOTTOM OF THE COVERED ORIFICE.
- THE COST OF ALL CATCH BASIN TRAPS SHALL BE INCIDENTAL TO THE CONTRACT UNIT COST FOR THE POND OUTLET STRUCTURE.

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	INV. EL.
*S-1	20+42	0 RT	48"X48"	I	23.00	21.00

* A FOUR INCH DIAMETER CIRCULAR ORIFICE SHALL BE CAST AT THE UPSTREAM FACE OF S-1 AT ELEVATION 21.00. A CATCH BASIN TRAP SHALL BE INSTALLED OVER THE ORIFICE PER DETAIL THIS SHEET. INLET SHALL BE PAID UNDER ITEM NO. 910006, POND OUTLET STRUCTURE, CONCRETE, NO. 1.

BMP NO. 1 - DESIGN SUMMARY				
DESIGN STORM	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	WATER SURFACE ELEVATION	STORAGE VOLUME (CF)
INFILTRATION	3.56	N. A.	21.00	11925
2-YEAR	7.00	0.40	22.21	12078
10-YEAR	9.40	0.50	22.97	21156

HAZARD CLASSIFICATION "A" AS PER POND CODE 378
DRAINAGE AREA TO FACILITY: 2.61 ACRES

MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY CONTROL VIA INFILTRATION FOR 2-INCH STORM (1 INCH RUNOFF) AND QUANTITY CONTROL FOR THE 2, AND 10-YEAR EVENTS.

POND CONSTRUCTION SEQUENCE AND NOTES:
THE STORMWATER MANAGEMENT FACILITY SHALL NOT FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS:
SECTION 910 - STORMWATER MANAGEMENT FACILITIES

- SEE EROSION AND SEDIMENT CONTROL PLANS FOR SEQUENCE OF CONSTRUCTION.
- SEE LANDSCAPE PLANS FOR POND SEEDING AND PLANTINGS.

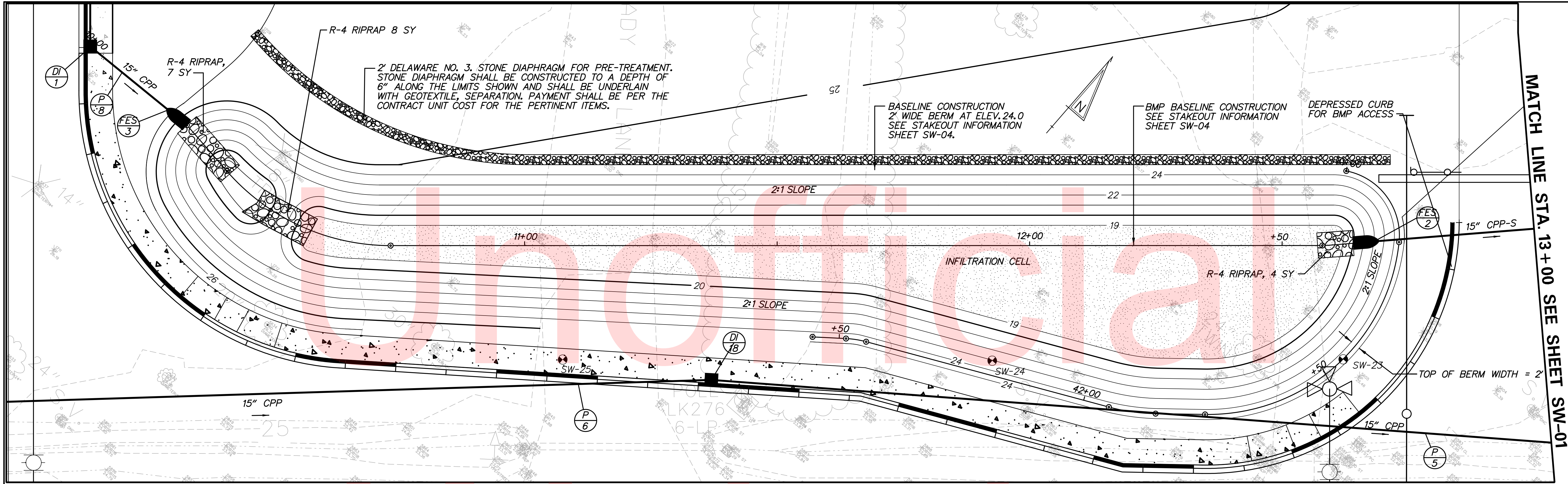
GENERAL NOTES:

- THE CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF ALL STORMWATER MANAGEMENT FACILITIES, SUCH AS PONDS, BIOFILTRATION SWALES, BIO-RETENTION AREAS, ETC. THE "AS-BUILT" DRAWINGS SHALL SHOW THE ACTUAL FINISHED GROUND CONTOURS, OUTLET STRUCTURE DIMENSIONS AND ELEVATIONS, ETC., AS THEY EXIST AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF DELAWARE. ALL "AS-BUILT" DRAWINGS SHALL BE SENT TO THE DELDOT STORMWATER ENGINEER. ALL COSTS FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
- NO SET-ASIDE AREA FOR DEPOSIT OF CLEAN-OUT MATERIAL IS PROVIDED. ALL CLEAN-OUT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED, OFFSITE LOCATION.

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ADDENDUMS / REVISIONS

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CSC
	CHECKED BY: JDC



PLAN - LTC BMP NO. 1 SOUTH CELL
SCALE: 1" = 10'

BMP NO. 1 - DESIGN SUMMARY				
DESIGN STORM	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	WATER SURFACE ELEVATION	STORAGE VOLUME (CF)
INFILTRATION	3.56	N. A.	21.00	11925
2-YEAR	7.00	0.40	22.21	12078
10-YEAR	9.40	0.50	22.97	21156

HAZARD CLASSIFICATION "A" AS PER POND CODE 378
DRAINAGE AREA TO FACILITY: 2.61 ACRES

MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY CONTROL VIA INFILTRATION FOR 2-INCH STORM (1 INCH RUNOFF) AND QUANTITY CONTROL FOR THE 2, AND 10-YEAR EVENTS.

POND CONSTRUCTION SEQUENCE AND NOTES:
THE STORMWATER MANAGEMENT FACILITY SHALL NOT FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS:
SECTION 910 - STORMWATER MANAGEMENT FACILITIES

- SEE EROSION AND SEDIMENT CONTROL PLANS FOR SEQUENCE OF CONSTRUCTION.
- SEE LANDSCAPE PLANS FOR POND SEEDING AND PLANTINGS.

- GENERAL NOTES:**
- THE CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF ALL STORMWATER MANAGEMENT FACILITIES, SUCH AS PONDS, BIOFILTRATION SWALES, BIO-RETENTION AREAS, ETC. THE "AS-BUILT" DRAWINGS SHALL SHOW THE ACTUAL FINISHED GROUND CONTOURS, OUTLET STRUCTURE DIMENSIONS AND ELEVATIONS, ETC., AS THEY EXIST AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF DELAWARE. ALL "AS-BUILT" DRAWINGS SHALL BE SENT TO THE DELDOT TRANSIT CORPORATION. ALL COSTS FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 76.3501 - CONSTRUCTION ENGINEERING.
 - NO SET-ASIDE AREA FOR DEPOSIT OF CLEAN-OUT MATERIAL IS PROVIDED. ALL CLEAN-OUT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED, OFFSITE LOCATION.

NO 19/08/2019 09:19 CAD/PL/SW02-LEWES.dgn
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ADDENDUMS / REVISIONS	

LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CSC
	CHECKED BY: JDC

STORMWATER MANAGEMENT PLAN

SW-02
SHEET NO.
25
TOTAL SHTS.
72



PLAN - LTC BMP NO.1 EAST CELL

SCALE: 1" = 10'

MATCH LINE STA. 13+00 SEE SHEET SW-04

BMP BASELINE CONSTRUCTION TABLE			
POINT NO.	STATION	NORTH	EAST
MH 3	PI STA. 13+13.19	272143.78	727117.16
5	PI STA. 12+33.96	272158.49	727131.83
6	PI STA. 13+50.19	272174.67	727133.10
7	PI STA. 13+62.07	272186.24	727130.40
8	PI STA. 15+29.00	272317.82	727027.68
9	PI STA. 15+83.50	272359.02	726992.00
10	PI STA. 15+85.48	272358.75	726990.04
11	POE STA. 15+99.70	272349.52	726979.39

2' WIDE BERM BASELINE CONSTRUCTION TABLE			
POINT NO.	STATION	NORTH	EAST
11	POB STA. 30+00.00	272132.17	727175.06
12	PC STA. 32+89.87	272369.45	727008.55
13	PT STA. 33+09.60	272374.02	726991.01
14	POE STA. 33+37.29	272361.98	726966.06

S-1 BASELINE CONSTRUCTION TABLE			
POINT NO.	STATION	NORTH	EAST
5	POB STA. 20+00.00	272158.49	727131.83
24	PI STA. 20+32.94	272136.83	727156.65
MH 6	POE STA. 20+47.86	272125.40	727166.24

STAKEOUT INFORMATION CONTOUR 20.0-A		
POINT	NORTH	EAST
PC 9'R	272173.31	727129.25
PRC 2'R	272175.72	727131.22
PT 2'R	272175.90	727134.60
PC 2'R	272137.05	727161.86
PT 2'R	272134.37	727161.50
PC 2.5'R	272131.74	727158.36
PT 2.5'R	272132.03	727154.86
PC 9'R	272134.90	727152.37
PRC 2'R	272137.49	727142.55
PT 2'R	272138.06	727140.37
PC 6'R	272159.17	727122.09
PT 6'R	272167.63	727122.70

STAKEOUT INFORMATION CONTOUR 20.0-B		
POINT	NORTH	EAST
PC 6'R	272366.82	726994.48
PT 6'R	272364.86	727002.00
PC 6'R	272321.26	727032.60
PT 6'R	272313.89	727023.15
PC 6'R	272355.04	726987.51
PT 6'R	272364.38	726989.43

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ADDENDUMS / REVISIONS

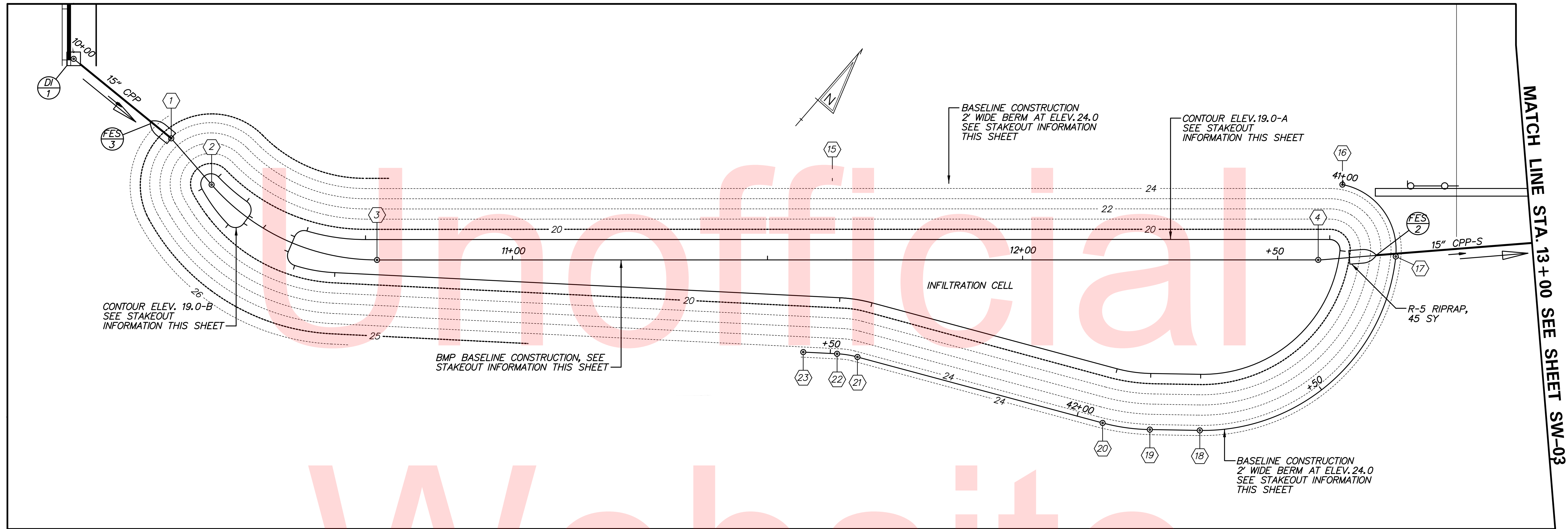
LEWES PARK & RIDE AND SITE WORK

CONTRACT	BRIDGE NO.	
T200612502	DESIGNED BY:	CSC
COUNTY	CHECKED BY:	JDC
SUSSEX		

STORMWATER MANAGEMENT STAKEOUT PLAN

SW-03

SHEET NO.	26
TOTAL SHTS.	72



PLAN - LTC BMP NO. 1 SOUTH CELL

SCALE: 1" = 10'

BMP BASELINE CONSTRUCTION TABLE

POINT NO.	STATION	NORTH	EAST
DI-1	POB STA. 10+00.00	271974.47	726868.21
1	PI STA. 10+24.68	271975.21	726892.88
2	PC STA. 10+36.72	271973.53	726904.80
3	PT STA. 10+73.46	271983.60	726938.98
4	PI STA. 12+57.96	272104.40	727078.43

2' WIDE BERM BASELINE CONSTRUCTION TABLE

POINT NO.	STATION	NORTH	EAST
16	POB STA. 41+00.00	272118.66	727072.35
17	PCC STA. 41+19.27	272114.85	727089.49
18	PT STA. 41+75.67	272063.93	727082.77
19	PC STA. 41+85.46	272057.64	727075.26
20	PT STA. 41+94.83	272052.56	727067.41
21	PC STA. 42+44.60	272030.87	727022.62
22	PT STA. 42+48.65	272028.73	727019.19
23	POE STA. 42+55.29	272024.64	727013.96

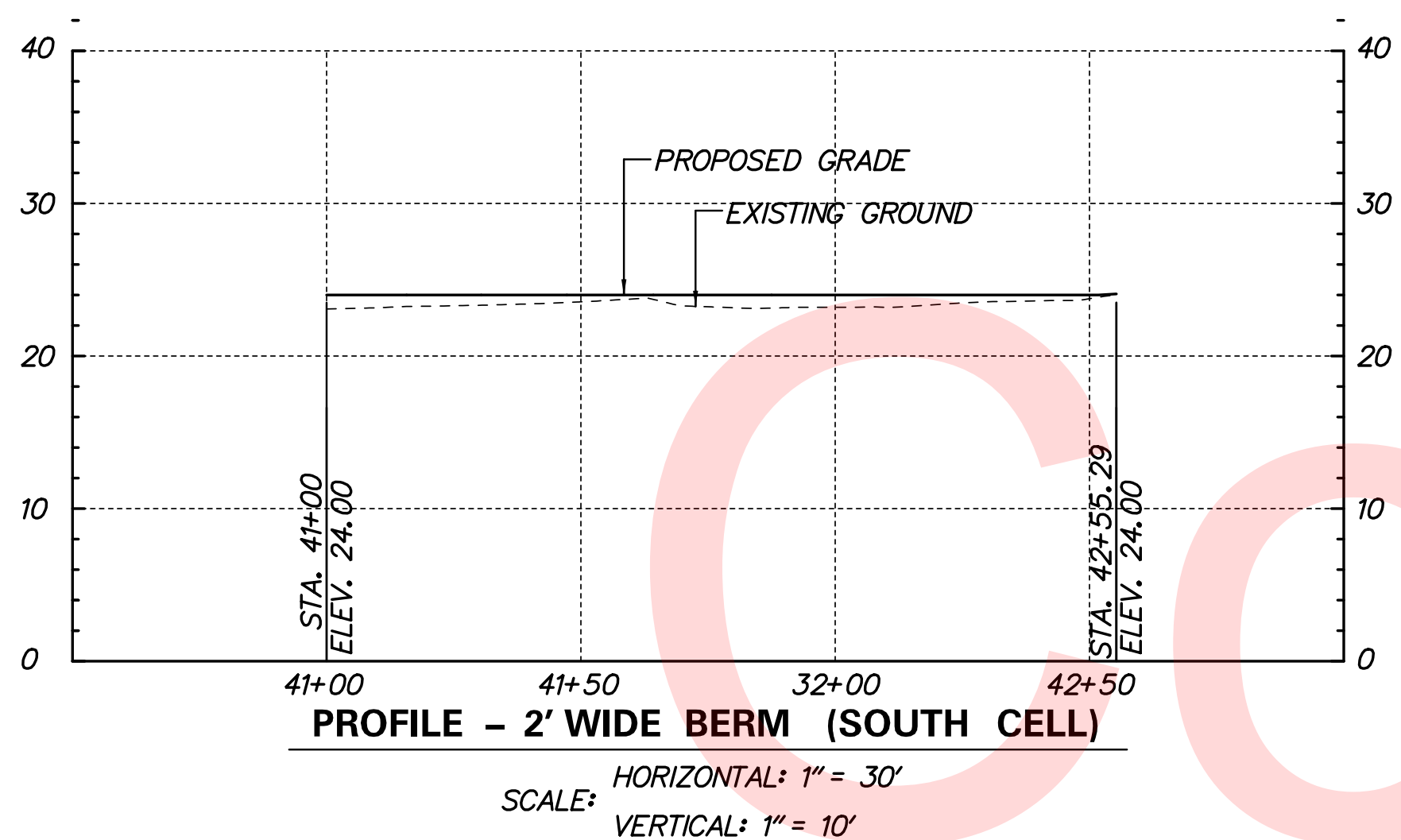
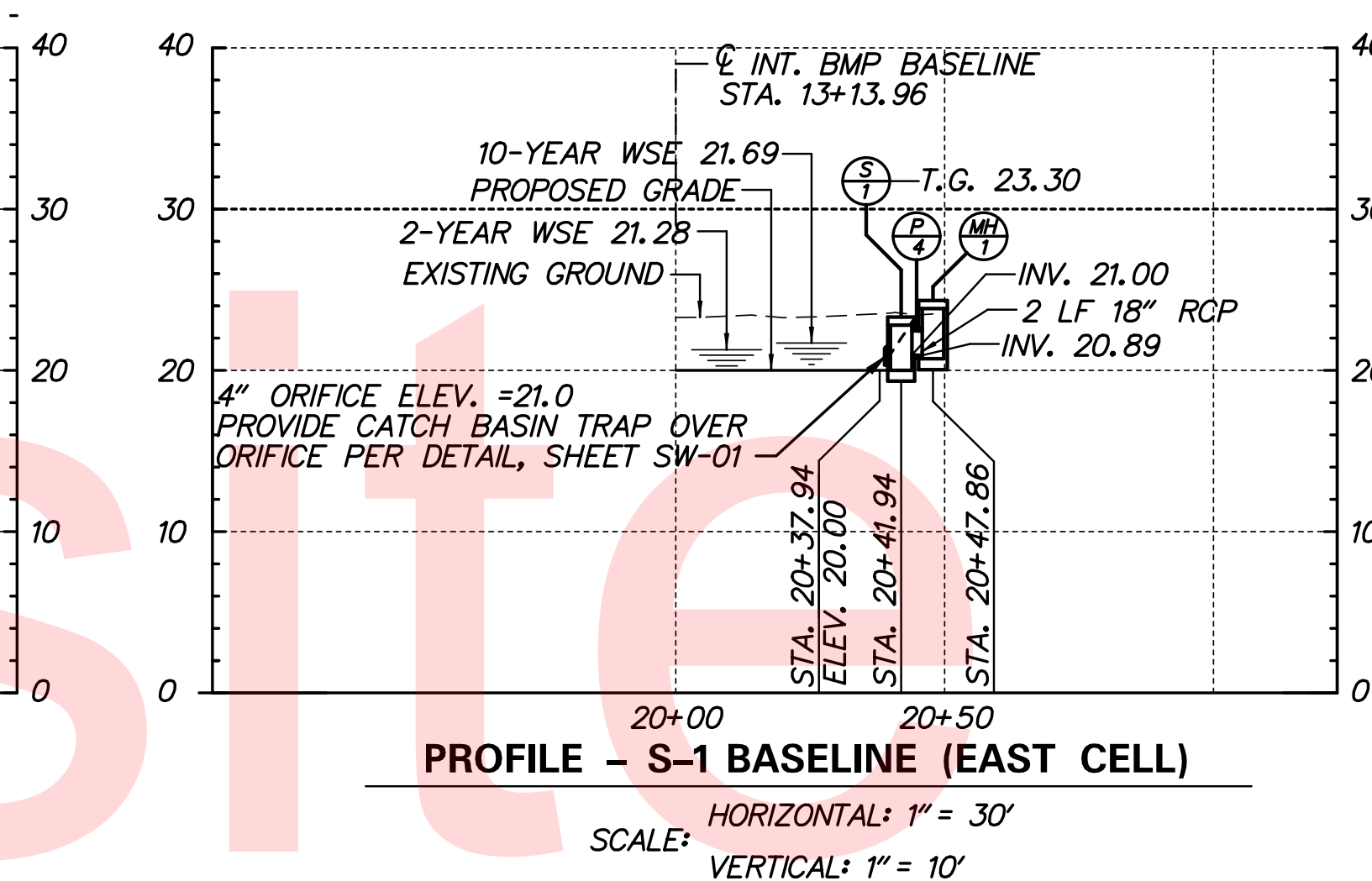
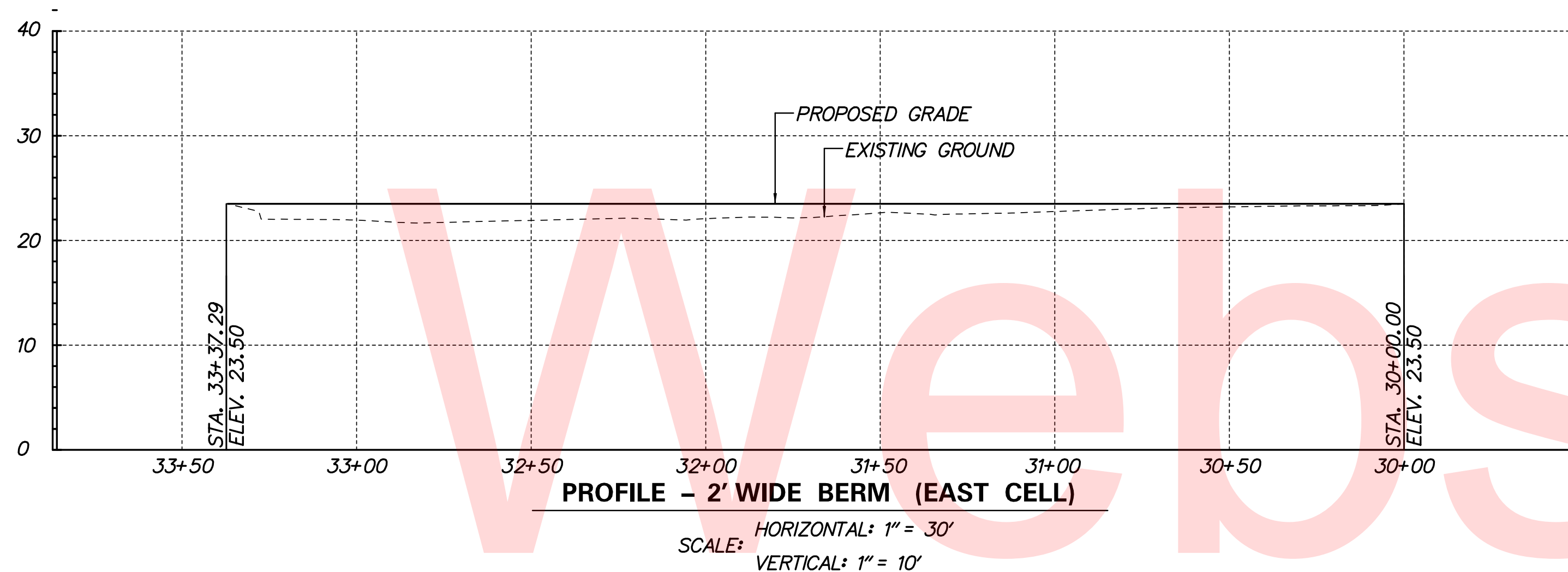
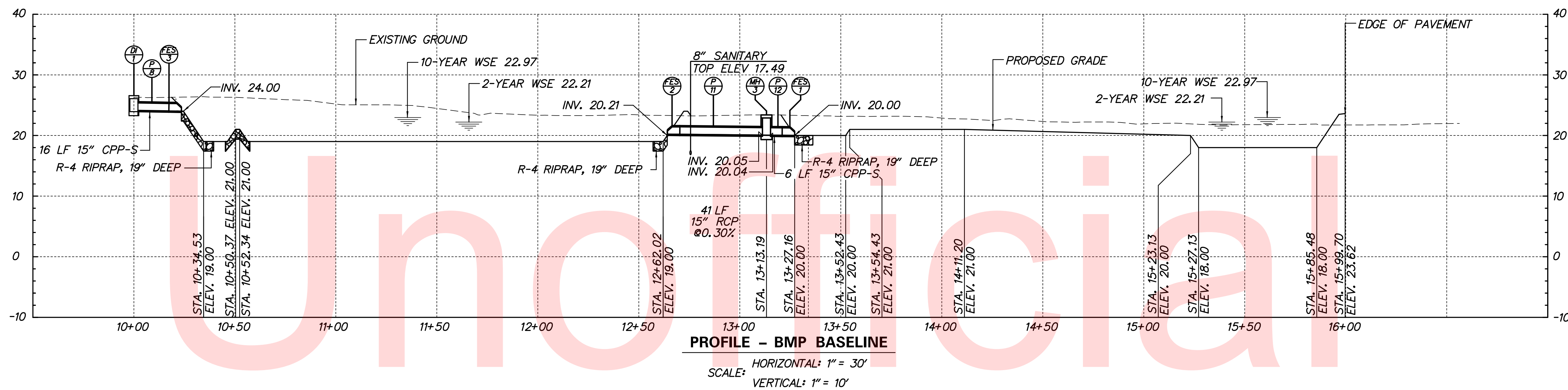
STAKEOUT INFORMATION CONTOUR 19.0-A

POINT	NORTH	EAST
PC 2'R	272108.91	727077.53
PCC 27'R	272108.54	727080.48
PT 27'R	272072.36	727075.70
PC 27'R	272066.07	727068.20
PT 27'R	272062.46	727062.62
PC 30'R	272040.77	727017.82
PT 30'R	272037.40	727012.41
PC 31'R	271976.30	726934.36
PCC 2'R	271972.21	726927.47
PT 2'R	271973.42	726924.78
PC 2'R	271976.45	726923.79
PRC 40'R	271978.90	726924.87
PT 40'R	271985.14	726934.65

STAKEOUT INFORMATION CONTOUR 19.0-B

POINT	NORTH	EAST
PC 2'R	271969.75	726912.36
PT 2'R	271971.91	726914.52
PC 2'R	271973.73	726914.37
PT 2'R	271975.55	726912.19
PC 2'R	271975.55	726904.80
PT 2'R	271971.67	726903.93

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ADDENDUMS / REVISIONS	

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: CSC
SUSSEX	CHECKED BY: JDC

EXISTING SYMBOLS

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

MANMADE ROADSIDE FEATURES	
	CURB
	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
	LAMP AND POST - RESIDENTIAL
	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
	DELINEATED 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 TRANSFORMER
	POLE MOUNTED LUMINAIRE
	GAS MANHOLE
	GAS METER
	GAS VALVE
	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
	SANITARY SEWER MANHOLE
	SANITARY SEWER VALVE
	SANITARY SEWER VENT OR CLEANOUT
	SEPTIC DRAIN FIELD
	TELEPHONE BOOTH
	TELEPHONE MANHOLE
	TELEPHONE TEST POINT
	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
	WATER - FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL HEAD

UTILITY COMPANY FACILITIES	
	CHESAPEAKE UTILITY - GAS
	SUSSEX COUNTY - SEWER
	TIDEWATER UTILITIES - WATER
	VERIZON

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
	CURB OPENING
	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"
	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
	CURB RAMP / TYPE
	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 SECTIONS	
	FULL DEPTH/RECONSTRUCTION - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	DRIVEWAY 2" WMA, SUPERPAVE, TYPE C 8" GABC, TYPE B

MISCELLANEOUS	
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE

ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION

NOT TO SCALE

LEWES PARK & RIDE
AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

LEGEND

H0-01

SHEET NO.	29
TOTAL SHTS.	72

GENERAL NOTES

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

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

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

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

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

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

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

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

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

6. THE DISTURBED AREA FOR THIS PROJECT IS 8.23 ACRES.

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

PROJECT NOTES

SECTION 100

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

SECTION 200

2. THE CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN CURBED SECTIONS, THE FACE OF THE MAILBOX SHALL BE FLUSH WITH THE BACK EDGE OF CURB. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL BE SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE SET 46 INCHES ABOVE THE ROADWAY SURFACE. MAILBOXES LOCATED AT DRIVEWAY ENTRANCES SHALL BE PLACED ON THE FAR SIDE OF THE DRIVEWAY IN THE DIRECTION OF TRAVEL. POSTS BEING RESET IN CONCRETE SIDEWALK SHALL BE PLACED IN AN APPROPRIATE SIZE PVC SLEEVE. COST FOR ALL WORK AND MATERIALS SHALL BE PAID FOR UNDER ITEM 201000 - CLEARING AND GRUBBING.
3. IN AREAS WHERE TREES OR SHRUBS WILL BE OVERHANGING THE PROPOSED SIDEWALK, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEAR SPACE OF 10 FEET ABOVE THE PROPOSED SIDEWALK ELEVATION. THE CONTRACTOR SHALL PRUNE EXISTING TREE AND SHRUB BRANCHES, WHICH OVERHANG THE SIDEWALK, IN ACCORDANCE WITH I.S.A. STANDARDS. THE CONTRACTOR SHALL NOTIFY DELDOT'S ROADSIDE ENVIRONMENTALIST ADMINISTRATOR, EUGENE "CHIP" ROSAN, JR. AT (302) 760-2185 AND/OR HIS DESIGNEE, AT LEAST TWO (2) DAYS PRIOR TO THE PRUNING OPERATION. ALL COSTS ASSOCIATED WITH THE ABOVE WORK TO BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.
4. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO EXCAVATE TEST PITS ALONG PROPOSED DRAINAGE RUNS AT POINTS OF POSSIBLE UTILITY CONFLICTS, TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR, WITH THE ENGINEER AND THE UTILITY COMPANY INVOLVED. THE ENGINEER SHALL ULTIMATELY DETERMINE THE SOLUTION TO THE UTILITY CONFLICT. TEST HOLES SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM 202000 - EXCAVATION AND EMBANKMENT, BUT ONLY TO THE ACTUAL DEPTH EXCAVATED.
5. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
- CONCRETE SUPPORT FOUNDATIONS FOR MISCELLANEOUS SMALL STRUCTURES NOT COVERED UNDER OTHER PAY ITEMS.
- DRAINAGE STRUCTURES.
6. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S TEAM SUPPORT SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

SECTION 300

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

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

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

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

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

- D. HOT-MIX MILLINGS MAY BE GENERATED FROM THE FOLLOWING SOURCES:
a. MATERIAL MADE AVAILABLE WHEN MILLED ON THIS CONTRACT UNDER ITEM 760502.
b. MATERIAL MILLED ON THIS CONTRACT AT THE CONTRACTOR'S CHOICE UNDER ITEM 202000.
c. MILLED MATERIAL FURNISHED ON THE JOB FROM THE CONTRACTOR'S YARD OR OTHER OUTSIDE SOURCE.
ALL MILLED MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS OF ITEM 302514 MILLED HOT-MIX BASE COURSE.

- E. PAYMENT CLARIFICATION:
a. SHOULD THE CONTRACTOR ELECT TO MILL PORTIONS OF HOT-MIX SHOWN ON THE PLANS TO BE REMOVED UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT THE COST OF MILLING THIS HOT-MIX WILL BE PAID AS ITEM 202000 - EXCAVATION AND EMBANKMENT. THE MILLINGS GENERATED MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE, OR DISPOSED OF TO AN APPROVED SITE. HAULING COSTS FOR DISPOSAL AND/OR RECYCLING ARE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
b. MILLINGS GENERATED UNDER ITEM 760502 - PAVEMENT MILLINGS, TAPER CUT MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE OR DISPOSED OF BY THE CONTRACTOR TO AN APPROVED SITE. NO SEPARATE PAYMENT WILL BE MADE FOR TRANSPORTING MILLINGS ON SITE OR TO AN APPROVED DISPOSAL SITE.
c. SHOULD THE CONTRACTOR ELECT TO TEMPORARILY STOCKPILE MILLINGS ON THE JOB SITE FOR LATER USE, ALL COSTS FOR STOCKPILING AND SUBSEQUENT REHANDLING SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
d. MILLINGS USED FOR BASE COURSE SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE. NO SEPARATE PAYMENT WILL BE MADE TO FURNISH MILLINGS FROM AN OUTSIDE SOURCE OR TRANSPORT MILLINGS WITHIN THE PROJECT LIMITS. MILLINGS USED FOR BASE COURSE WILL BE PAID IN PLACE AT THE UNIT BID PRICE FOR ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.
e. ALL COSTS TO UTILIZE MILLINGS IN RECYCLED HOT-MIX WILL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE HOT-MIX ITEM USING THE RECYCLED MATERIAL.
f. SPECIAL PROVISION 302514 MILLED HOT-MIX BASE COURSE IS PROVIDED TO SPECIFY THE MEANS OF LAY DOWN AND COMPACTION AS WELL AS THE MATERIAL REQUIREMENTS FOR MILLINGS USED AS BASE COURSE. ALL COSTS TO BRING THE MILLINGS INTO COMPLIANCE WITH THE REQUIREMENTS OF 302514 MILLED HOT-MIX BASE COURSE ARE INCIDENTAL TO ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'. NO PAYMENT WILL BE MADE FOR ITEM 302514 - MILLED HOT-MIX BASE COURSE. THE QUANTITY OF MILLINGS USED FOR BASE COURSE WILL BE PAID FOR UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE.

SECTION 400

8. THE PAVEMENT SECTION FOR WMA RESIDENTIAL DRIVEWAYS SHALL BE 2" WMA, TYPE 'C' OVER 8" GRADED AGGREGATE BASE COURSE, TYPE 'B', UNLESS OTHERWISE NOTED ON THE PLANS.

SECTION 600

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

SECTION 700

10. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
11. WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762002 - SAWCUTTING, CONCRETE, FULL DEPTH.
12. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

MISCELLANEOUS

13. THE CONTRACTOR SHALL CONTACT MICHAEL ELLER, THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6061.
14. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
15. THE CONTRACTOR SHALL REMOVE AND INSTALL ALL REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN CONTRACT LIMITS UNLESS OTHERWISE NOTED. DELDOT TO FURNISH ALL REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO CONTRACTOR FOR INSTALLATION. FOR COORDINATION AND PICK UP OF SIGNS AND POSTS THE CONTRACTOR SHALL CONTACT DELDOT'S TRANSPORTATION SYSTEM SPECIALIST AT 302-760-2581. THE CONTRACTOR SHALL ALLOW FOUR (4) WEEKS FOR THE DELIVERY OF SIGNS.
16. THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.
17. AT THE SIDEWALK TERMINATION LIMITS (STA. 110+80 LT.), THE CONTRACTOR SHALL TAPER THE SIDEWALK TO THE PROPOSED ROADWAY. THE SIDEWALK CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DELDOT'S SHARED-USE PATH AND/OR SIDEWALK TERMINATION POLICY (REVISED 9/16/2013).
18. THE CROSS SLOPE WITHIN CROSSWALKS SHALL BE A MAXIMUM OF 2%.

ADDENDUMS / REVISIONS

NOT TO SCALE

LEWES PARK & RIDE
AND SITE WORK

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: D.A.D.
SUSSEX	CHECKED BY: T.A.O.

NOTES

H0-02

SHEET NO.

30

TOTAL SHTS.

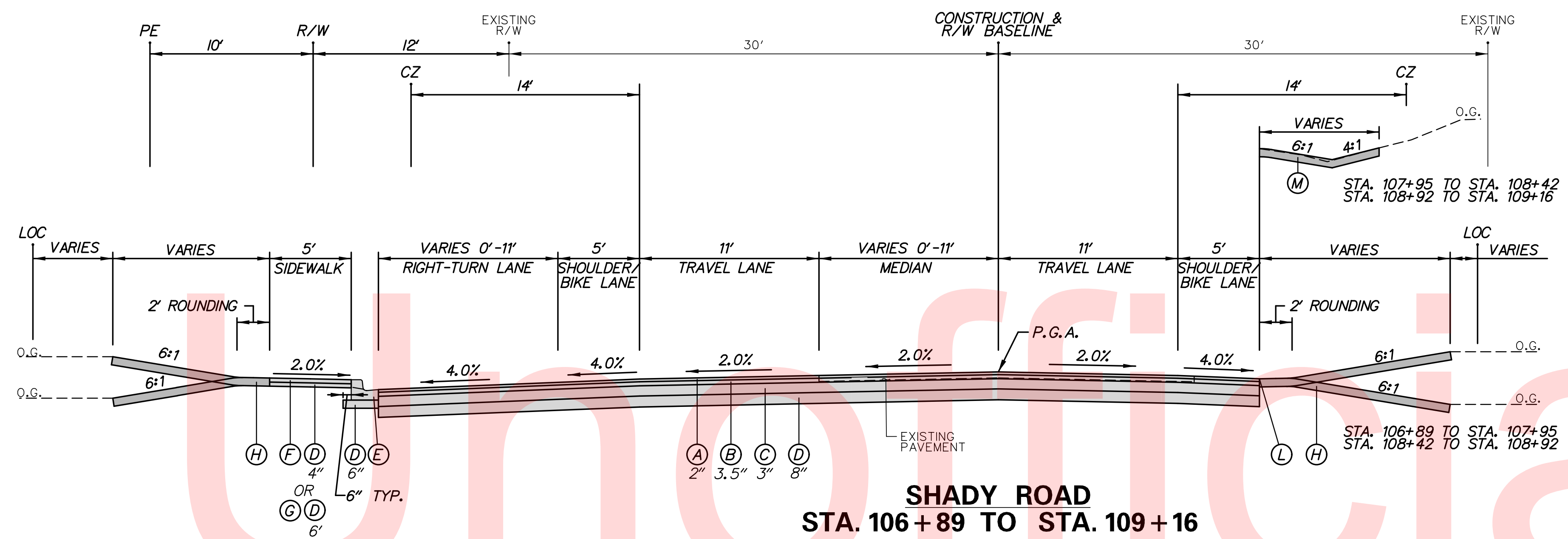
72



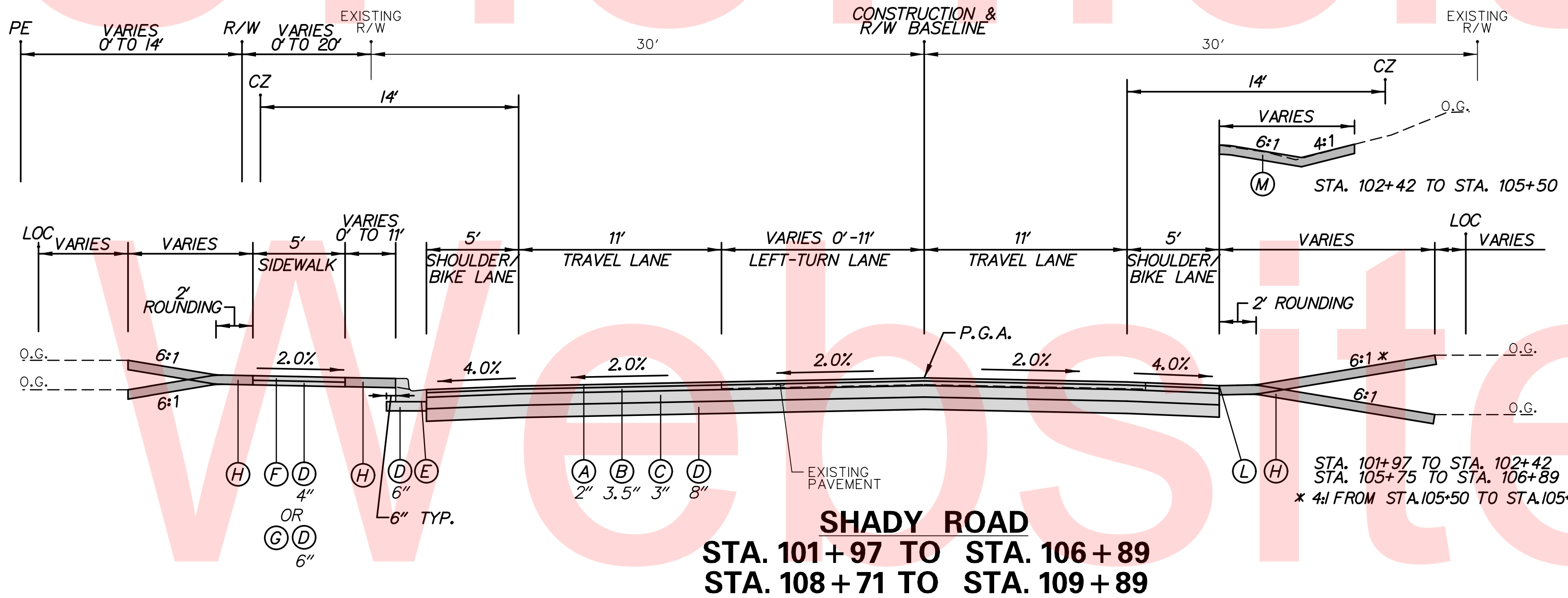
DELAWARE
DEPARTMENT OF TRANSPORTATION

LEGEND

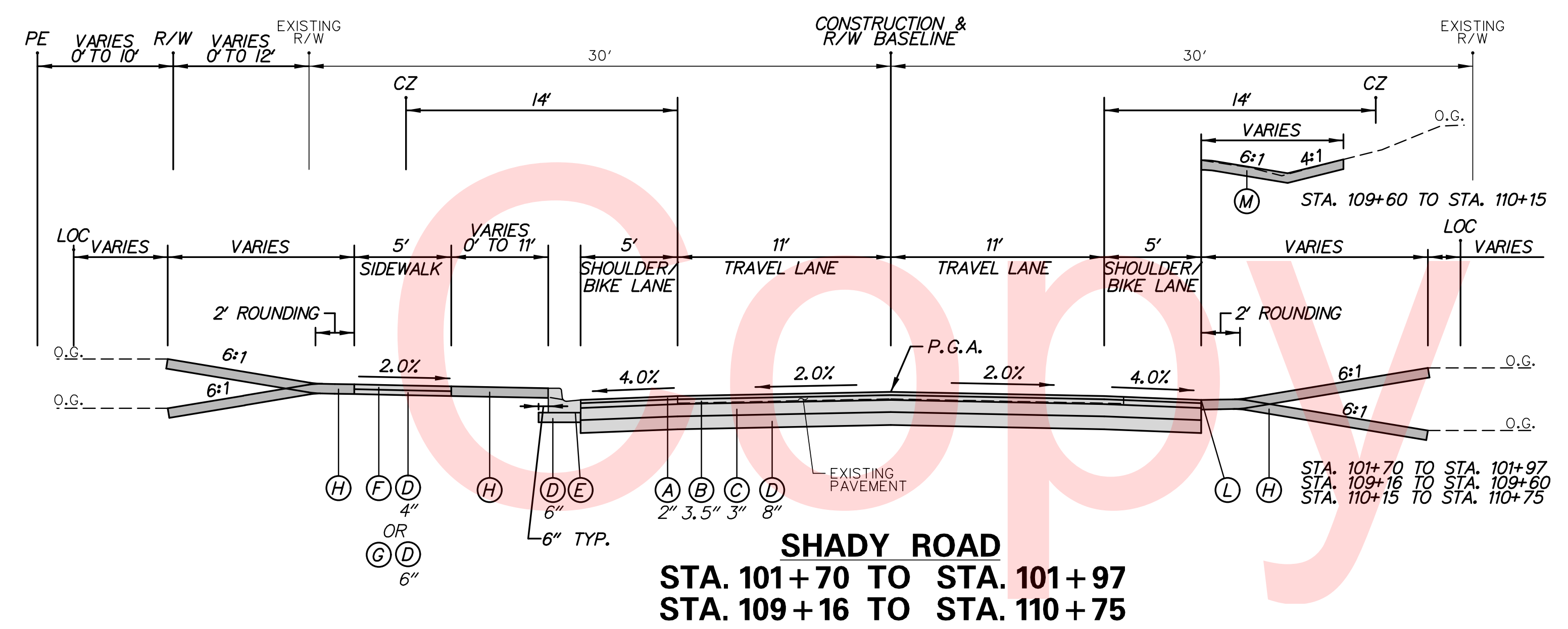
- (A) ITEM 401833 - WMA, SUPERPAVE, TYPE C 160 GYRATIONS, PG 76-22 (NON-CARBONATE STONE)
- (B) ITEM 401816 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22
- (C) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22
- (D) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (E) ITEM 701019 - INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8
- (F) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (G) ITEM 705002 - P.C.C. SIDEWALK, 6"
- (H) ITEM 732002 - TOPSOIL, 6" DEPTH
ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
- (L) ITEM 401752 - SAFETY EDGE FOR ROADWAY PAVEMENT
- (M) ITEM 732002 - TOPSOIL, 6" DEPTH
ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND
ITEM 735535 - SOIL RETENTION BLANKET MULCH, TYPE 5



SHADY ROAD
STA. 106+89 TO STA. 109+16



SHADY ROAD
STA. 101+97 TO STA. 106+89
STA. 108+71 TO STA. 109+89



SHADY ROAD
STA. 101+70 TO STA. 101+97
STA. 109+16 TO STA. 110+75

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ADDENDUMS / REVISIONS	

NOT TO SCALE

**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	BRIDGE NO.
T200612502	
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SUSSEX	CHECKED BY: T.A.O.

TYPICAL SECTIONS	SHEET NO.
	31
	TOTAL SHTS.
72	

H1-01

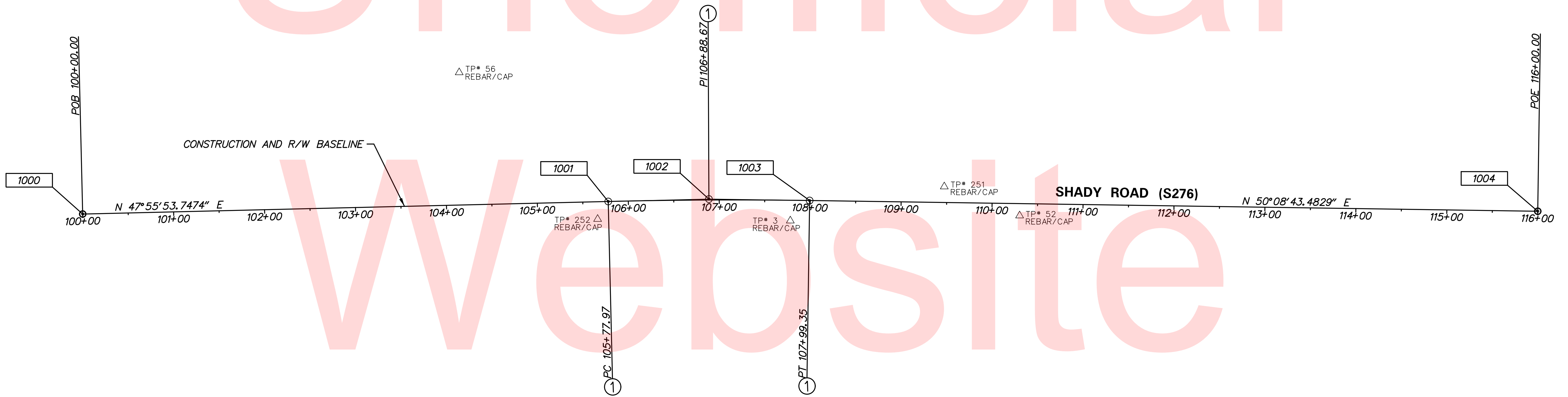
CONSTRUCTION ALIGNMENT CONTROL SHADY ROAD				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
1000	100+00.00	0.00'	271452.1578	726438.3177
1004	116+00.00	0.00'	272497.6143	727649.1736
1005	105+00.00	0.00'	271787.1664	726809.4904
1006	113+00.00	0.00'	272305.3619	727418.8716

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
3	107+78.39	22.46' RT.	271953.8712	727032.9226	24.17
52	110+30.45	13.27' RT.	272122.4387	727220.4495	23.37
56	104+17.53	145.73' LT.	271840.0900	726650.6228	25.73
251	109+47.17	17.48' LT.	272092.6684	727136.8129	23.73
252	105+65.78	19.20' RT.	271816.9893	726871.1872	26.51

CIRCULAR CURVE NO. ① - SHADY ROAD			
	STATION	NORTHING	EASTING
PC (1001)	105+77.97	271839.4063	726867.3696
PI (1002)	106+88.67	271913.5803	726949.5506
CC		267586.0787	730706.2876
PT (1003)	107+99.35	271984.5244	727034.5356
Radius:	5729.5800		
Delta:	2° 12' 49.7355"	Right	
Degree of Curvature (Arc):	0° 59' 59.9987"		
Length:	221.38		
Tangent:	110.70		
Chord:	221.37		
Middle Ordinate:	1.07		
External:	1.07		
Tangent Direction:	N 47° 55' 53.7474" E		
Radial Direction:	S 42° 04' 06.2526" E		
Chord Direction:	N 49° 02' 18.6152" E		
Radial Direction:	S 39° 51' 16.5171" E		
Tangent Direction:	N 50° 08' 43.4829" E		

DATUM REFERENCE:
HORIZONTAL - PROJECT IS BASED ON THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83).
VERTICAL - PLAN ELEVATIONS ARE BASED ON N. G. S. SURVEY DATUM (NAVD 88), DELAWARE BENCHMARK

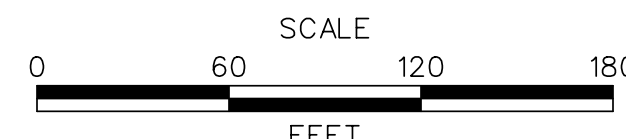
POINT	NORTH	EAST	ELEV.
HU2678	281814.0508	737237.2327	39.3211 FT.
HU2675	240018.8301	668394.8301	46.7075 FT.
HU2670	199819.7389	732912.3541	25.6348 FT.



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ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: D.A.D.
SUSSEX	CHECKED BY: T.A.O.

**HORIZONTAL AND
VERTICAL CONTROL**

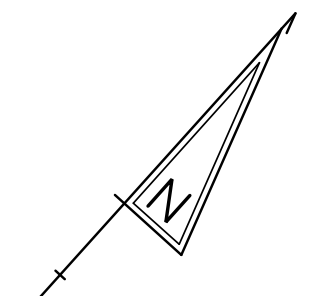
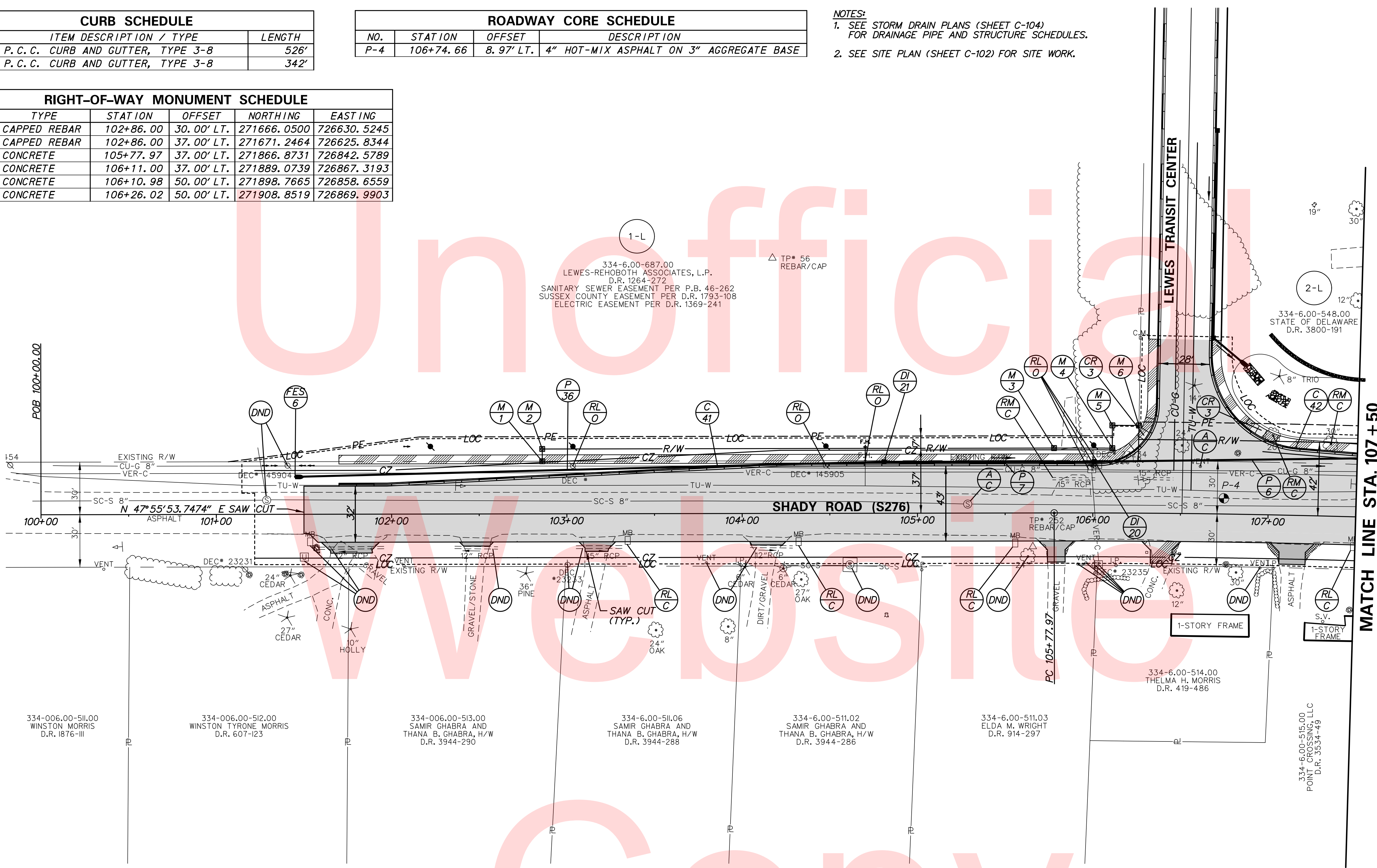
H3-01
SHEET NO.
32
TOTAL SHTS.
72

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
41	P. C. C. CURB AND GUTTER, TYPE 3-8	526'
42	P. C. C. CURB AND GUTTER, TYPE 3-8	342'

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
P-4	106+74.66	8.97' LT.	4" HOT-MIX ASPHALT ON 3" AGGREGATE BASE

- NOTES:**
- SEE STORM DRAIN PLANS (SHEET C-104) FOR DRAINAGE PIPE AND STRUCTURE SCHEDULES.
 - SEE SITE PLAN (SHEET C-102) FOR SITE WORK.

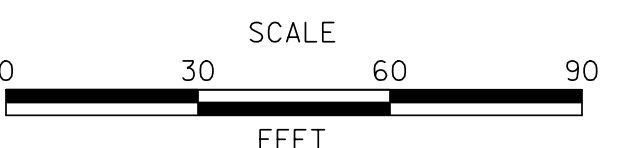
RIGHT-OF-WAY MONUMENT SCHEDULE					
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
1	CAPPED REBAR	102+86.00	30.00' LT.	271666.0500	726630.5245
2	CAPPED REBAR	102+86.00	37.00' LT.	271671.2464	726625.8344
3	CONCRETE	105+77.97	37.00' LT.	271866.8731	726842.5789
4	CONCRETE	106+11.00	37.00' LT.	271889.0739	726867.3193
5	CONCRETE	106+10.98	50.00' LT.	271898.7665	726858.6559
6	CONCRETE	106+26.02	50.00' LT.	271908.8519	726869.9903



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ADDENDUMS / REVISIONS	

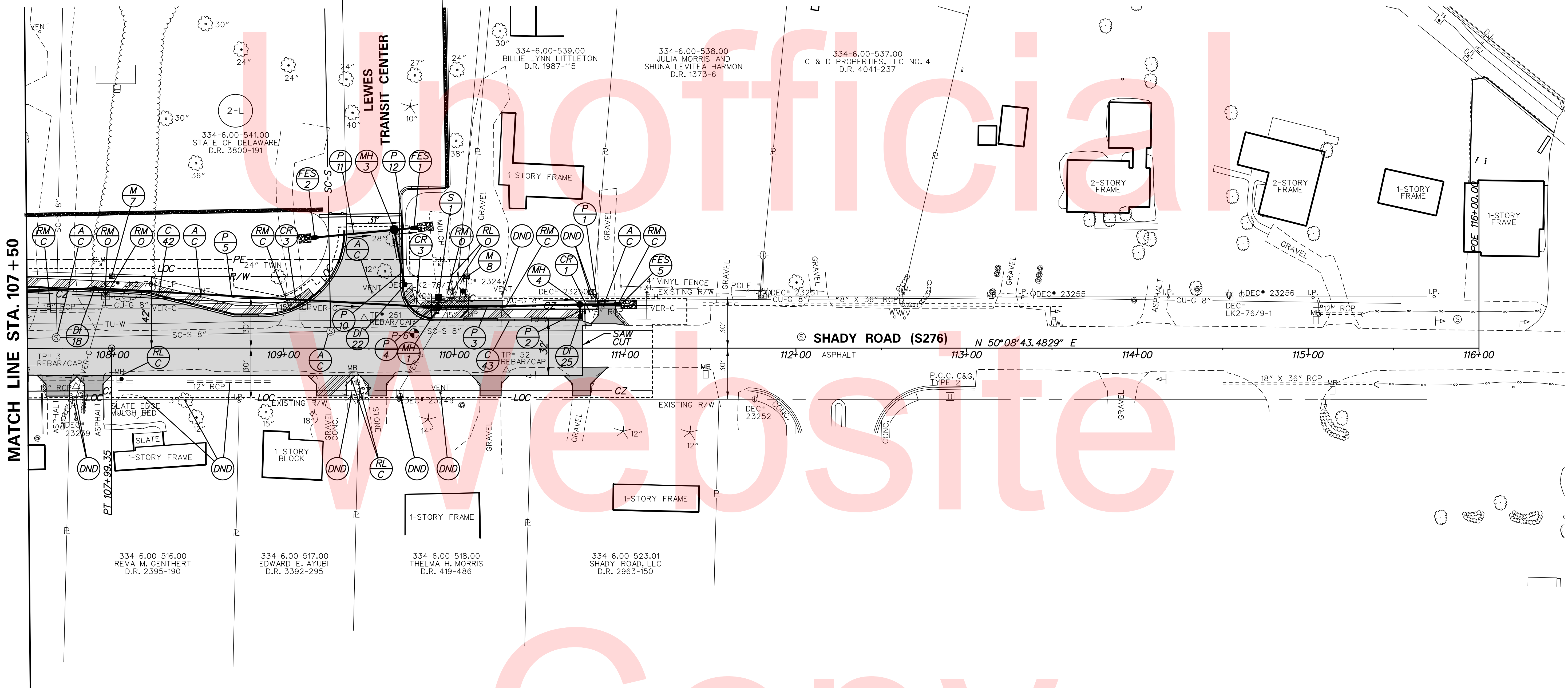
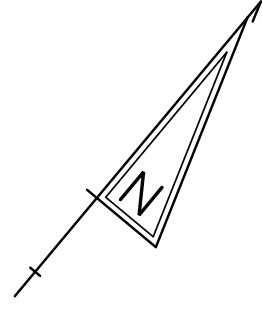


**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	BRIDGE NO.
T200612502	DESIGNED BY: D.A.D.
COUNTY	CHECKED BY: T.A.O.
SUSSEX	

CONSTRUCTION PLAN

H5-01
SHEET NO.
33
TOTAL SHTS.
72



MATCH LINE STA. 107 + 50

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
43	P. C. C. CURB AND GUTTER, TYPE 3-8	152'

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
P-6	109+76.56	8.68' LT.	4" HOT-MIX ASPHALT ON 2" AGGREGATE BASE

RIGHT-OF-WAY MONUMENT SCHEDULE					
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
7	CONCRETE	107+99.35	42.00' LT.	727016.7667	727007.6203
8	CAPPED REBAR	110+07.43	42.00' LT.	727150.1106	727167.3549

NOTES:
 1. SEE STORM DRAIN PLANS (SHEET C-104) FOR DRAINAGE PIPE AND STRUCTURE SCHEDULES.
 2. SEE SITE PLAN (SHEET C-102) FOR SITE WORK.

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ADDENDUMS / REVISIONS	



LEWES PARK & RIDE AND SITE WORK

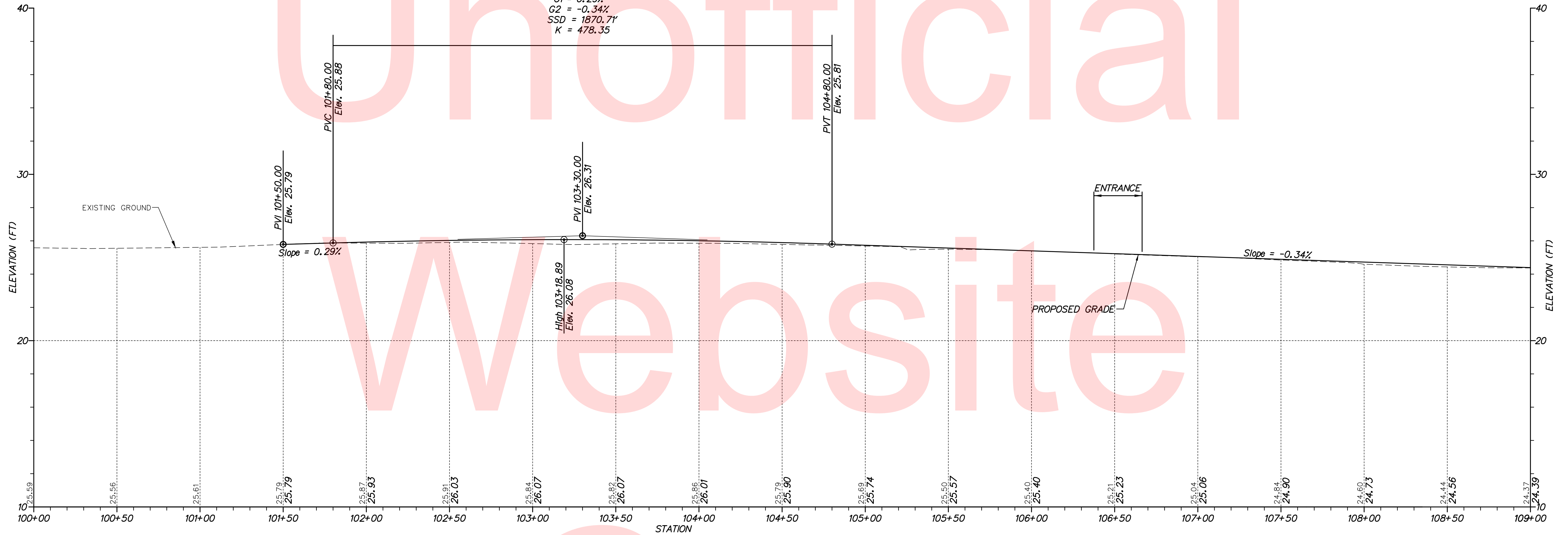
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

CONSTRUCTION PLAN

H5-02
SHEET NO. 34
TOTAL SHTS. 72

Unofficial

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 300.00'
 L1 = 150.00'
 L2 = 150.00'
 G1 = 0.29%
 G2 = -0.34%
 SSD = 1870.71'
 K = 478.35



SHADY ROAD

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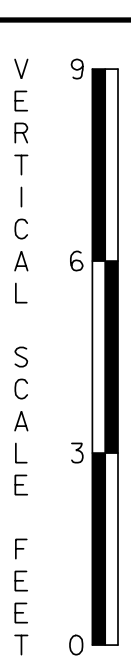
ADDENDUMS / REVISIONS



LEWES PARK & RIDE
AND SITE WORK

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: D.A.D.
SUSSEX	CHECKED BY: T.A.O.

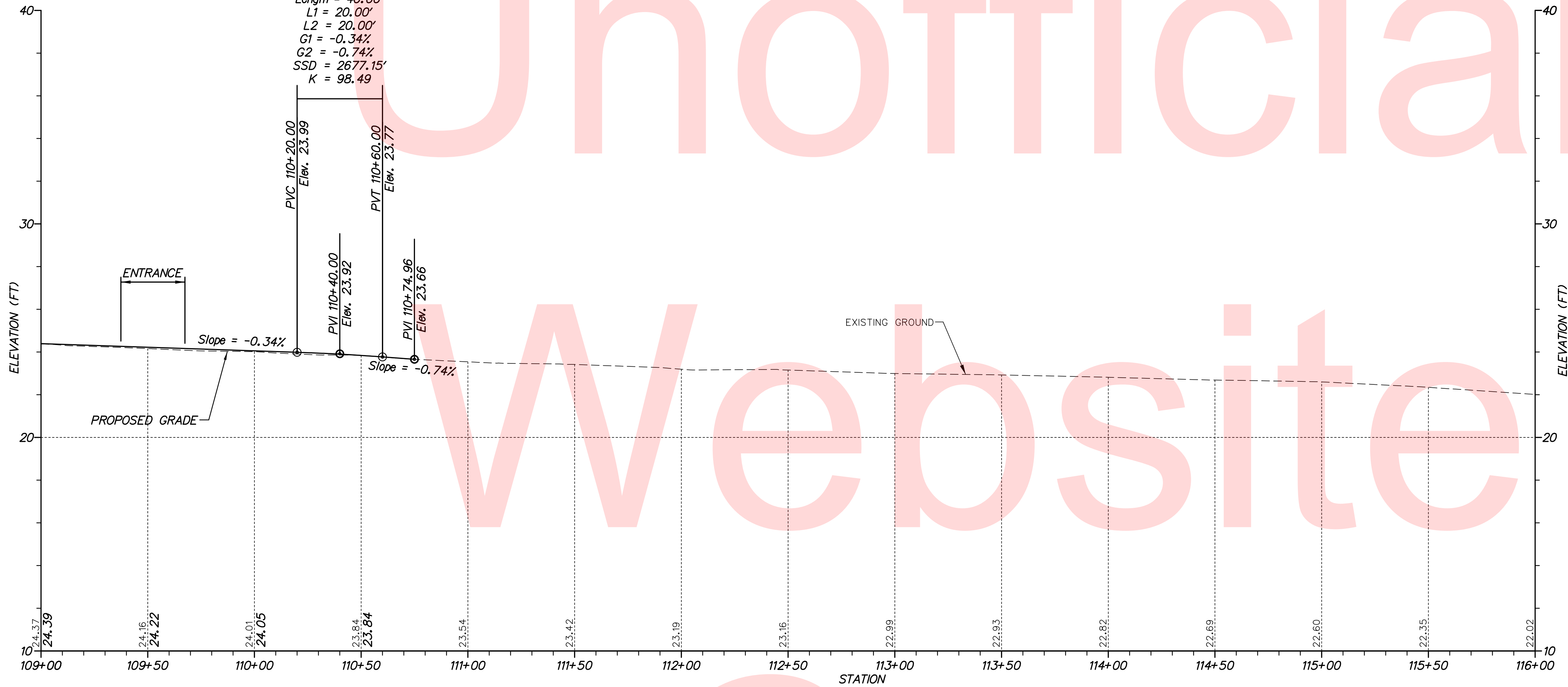
PROFILES



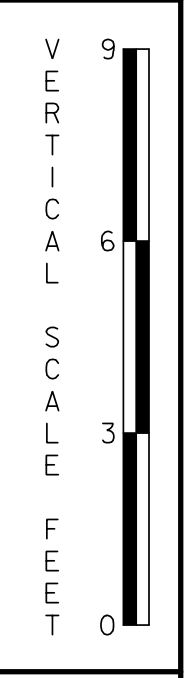
H6-01

SHEET NO.
35
TOTAL SHTS.
72

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 40.00'
 L1 = 20.00'
 L2 = 20.00'
 G1 = -0.34%
 G2 = -0.74%
 SSD = 2677.15'
 K = 98.49



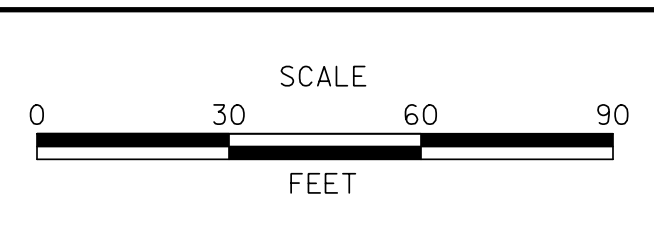
SHADY ROAD



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ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

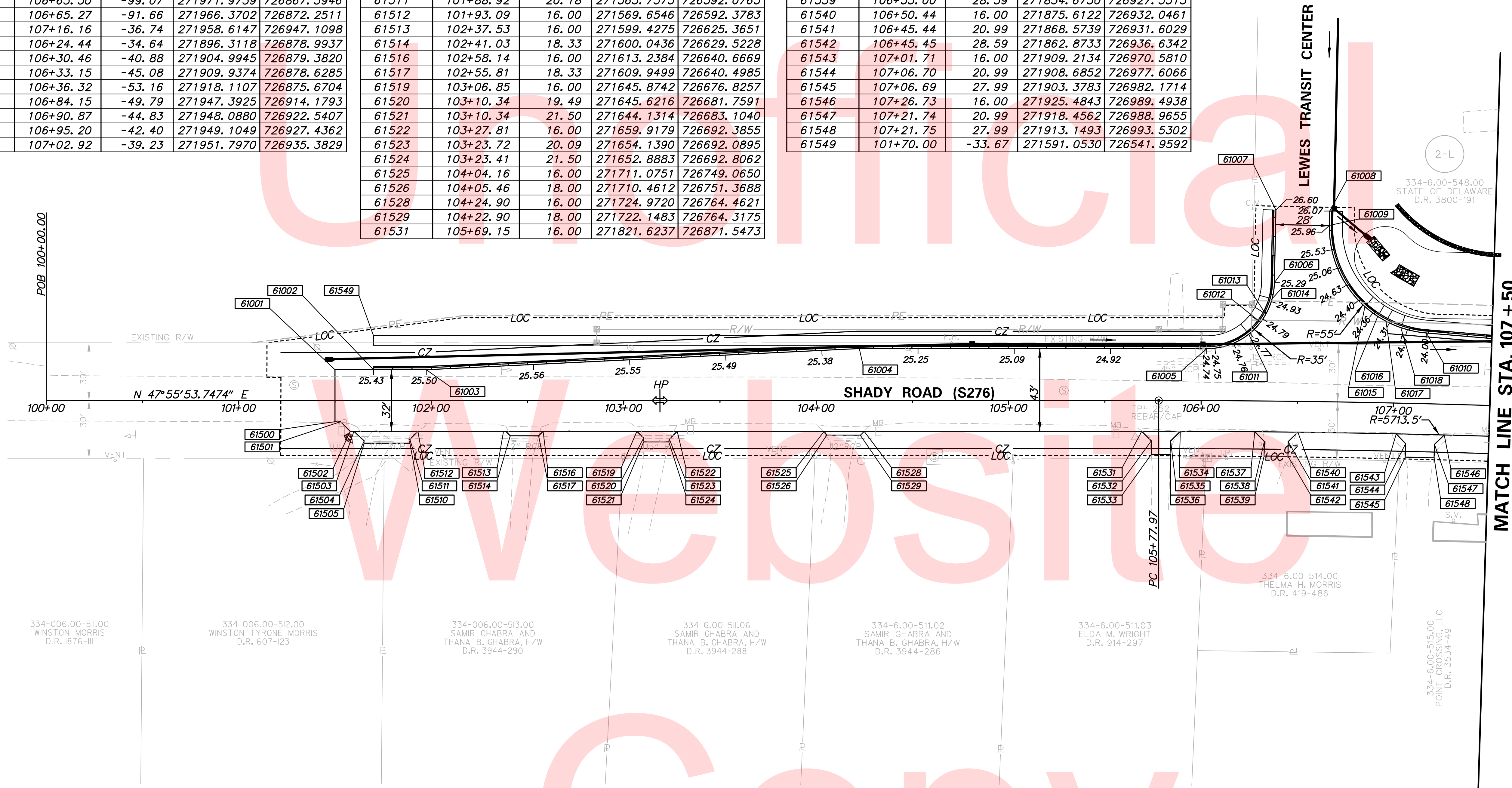
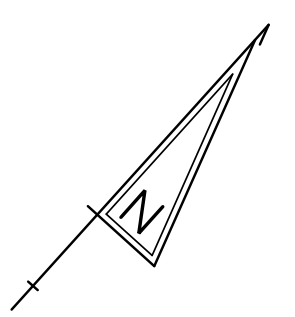
PROFILES	SHEET NO. 36
	TOTAL SHTS. 72

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61001	101+50.00	-16.00	271564.5379	726538.9493
61002	101+70.00	-16.00	271577.9382	726553.7962
61003	101+97.40	-16.00	271596.2985	726574.1383
61004	104+22.40	-27.00	271755.2182	726733.7959
61005	106+02.79	-27.00	271876.1214	726867.8312
61006	106+37.42	-61.55	271925.1274	726870.9425
61007	106+37.78	-99.29	271953.6429	726846.2292
61008	106+65.30	-99.07	271971.9739	726867.3946
61009	106+65.27	-91.66	271966.3702	726872.2511
61010	107+16.16	-36.74	271958.6147	726947.1098
61011	106+24.44	-34.64	271896.3118	726878.9937
61012	106+30.46	-40.88	271904.9945	726879.3820
61013	106+33.15	-45.08	271909.9374	726878.6285
61014	106+36.32	-53.16	271918.1107	726875.6704
61015	106+84.15	-49.79	271947.3925	726914.1793
61016	106+90.87	-44.83	271948.0880	726922.5407
61017	106+95.20	-42.40	271949.1049	726927.4362
61018	107+02.92	-39.23	271951.7970	726935.3829

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61500	101+50.00	11.00	271544.4946	726557.0397
61501	101+52.92	11.00	271546.4517	726559.2082
61502	101+57.90	16.00	271546.0780	726566.2566
61503	101+59.84	16.00	271547.3776	726567.6965
61504	101+65.18	21.00	271547.2427	726575.0095
61505	101+65.18	22.20	271546.3532	726575.8123
61510	101+88.92	22.20	271562.2557	726593.4315
61511	101+88.92	20.18	271563.7573	726592.0763
61512	101+93.09	16.00	271569.6546	726592.3783
61513	102+37.53	16.00	271599.4275	726625.3651
61514	102+41.03	18.33	271600.0436	726629.5228
61516	102+58.14	16.00	271613.2384	726640.6669
61517	102+55.81	18.33	271609.9499	726640.4985
61519	103+06.85	16.00	271645.8742	726676.8257
61520	103+10.34	19.49	271645.6216	726681.7591
61521	103+10.34	21.50	271644.1314	726683.1040
61522	103+27.81	16.00	271659.9179	726692.3855
61523	103+23.72	20.09	271654.1390	726692.0895
61524	103+23.41	21.50	271652.8883	726692.8062
61525	104+04.16	16.00	271711.0751	726749.0650
61526	104+05.46	18.00	271710.4612	726751.3688
61528	104+24.90	16.00	271724.9720	726764.4621
61529	104+22.90	18.00	271722.1483	726764.3175
61531	105+69.15	16.00	271821.6237	726871.5473

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61532	105+74.11	20.97	271821.2566	726878.5548
61533	105+74.11	27.98	271816.0452	726883.2533
61534	105+89.18	16.00	271835.0091	726886.3939
61535	105+84.18	20.98	271827.9748	726886.0253
61536	105+84.18	27.98	271822.7749	726890.7135
61537	106+28.02	16.00	271860.8075	726915.2864
61538	106+33.01	20.99	271860.3754	726922.3202
61539	106+33.00	28.59	271854.6750	726927.3513
61540	106+50.44	16.00	271875.6122	726932.0461
61541	106+45.44	20.99	271868.5739	726931.6029
61542	106+45.45	28.59	271862.8733	726936.6342
61543	107+01.71	16.00	271909.2134	726970.5810
61544	107+06.70	20.99	271908.6852	726977.6066
61545	107+06.69	27.99	271903.3783	726982.1714
61546	107+26.73	16.00	271925.4843	726989.4938
61547	107+21.74	20.99	271918.4562	726988.9655
61548	107+21.75	27.99	271913.1493	726993.5302
61549	101+70.00	-33.67	271591.0530	726541.9592

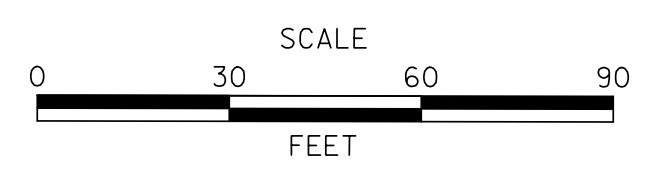
NOTE:
1. THE CROSS SLOPE WITHIN CROSSWALKS SHALL BE A MAXIMUM OF 2%.



NO. 1918-019A.CADD Highway VPO1-80181004H7-01.dgn
 10/28/2015 9:52:17 AM



ADDENDUMS / REVISIONS	

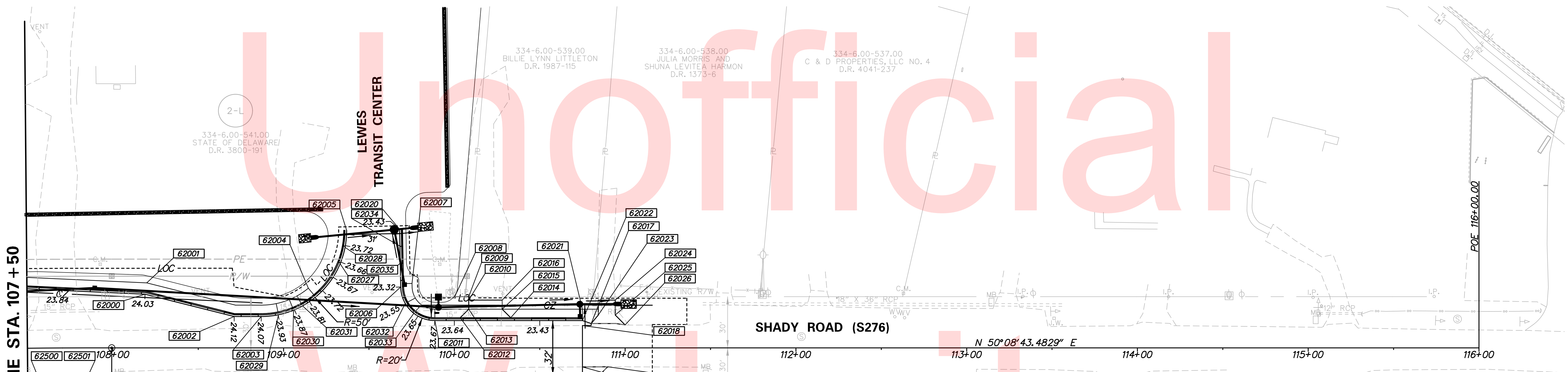
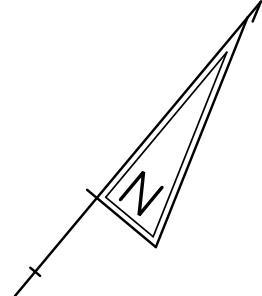


**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	T200612502	BRIDGE NO.	
COUNTY	SUSSEX	DESIGNED BY:	D.A.D.
		CHECKED BY:	T.A.O.

GRADES AND GEOMETRICS

H7-01
SHEET NO.
37
TOTAL SHTS.
72



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
62000	108+18.86	-31.45	272021.1732	727029.3607
62001	108+19.83	-38.08	272026.8851	727025.8581
62002	108+71.05	-18.36	272044.5716	727077.8125
62003	108+86.89	-18.36	272054.7202	727089.9697
62004	109+14.49	-34.96	272085.1513	727100.5249
62005	109+36.89	-68.92	272125.5752	727095.9489
62006	109+68.59	-35.63	272120.3313	727141.6211
62007	109+75.22	-37.73	272126.1875	727145.3679
62008	110+00.20	-30.00	272136.2689	727169.4991
62009	110+08.42	-30.00	272141.5349	727175.8073
62010	110+08.42	-28.00	272139.9995	727177.0890
62011	109+88.58	-16.00	272118.0762	727169.5520
62012	110+03.42	-17.67	272128.8627	727179.8726
62013	110+08.42	-22.67	272135.9053	727180.5068
62014	110+32.99	-17.67	272147.8157	727202.5767
62015	110+27.99	-22.67	272148.4499	727195.5341
62016	110+27.99	-28.00	272152.5441	727192.1163
62017	110+80.11	-14.21	272175.3621	727240.9617
62018	110+75.00	-13.06	272171.2008	727237.7719
62020	109+67.96	-69.49	272145.9224	727119.4431
62021	110+75.00	-22.67	272178.5700	727231.6156
62022	110+75.00	-16.00	272173.4522	727235.8878
62023	110+84.29	-19.21	272181.8741	727240.9604
62024	110+94.19	-28.00	272194.9655	727242.9335
62025	110+94.19	-19.21	272188.2211	727248.5636
62026	110+99.96	-13.45	272187.4895	727256.6888
62027	109+33.11	-49.28	272108.0746	727105.6338
62028	109+35.98	-58.85	272117.2576	727101.7066
62029	108+97.01	-19.40	272062.0006	727097.0759
62030	109+05.88	-22.11	272069.7626	727102.1451
62031	109+11.08	-24.60	272075.0115	727104.5395
62032	109+71.24	-26.03	272114.6668	727149.8101
62033	109+76.28	-20.24	272113.4403	727157.3898
62034	109+68.14	-59.61	272138.4574	727125.9125
62035	109+68.33	-49.61	272130.9004	727132.4616

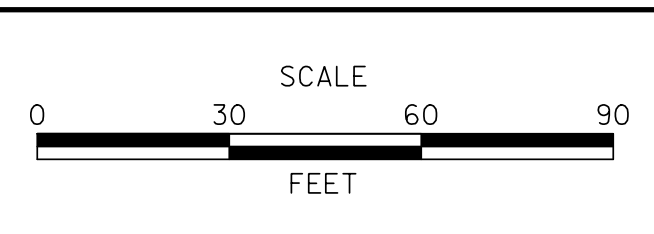
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
62500	107+55.73	15.99	271944.2535	727011.4975
62501	107+83.29	21.00	271958.1356	727035.7215
62502	107+60.74	20.99	271943.6577	727018.5434
62503	107+60.73	27.99	271938.3085	727023.0585
62504	107+74.56	28.00	271947.1849	727033.5741
62505	107+74.55	21.00	271952.5341	727029.0590
62506	107+78.92	16.63	271958.6780	727029.5786
62507	107+83.28	28.00	271952.7703	727040.2174
62508	107+94.15	28.00	271959.7143	727048.5078
62509	107+94.14	21.00	271965.0796	727044.0118
62510	107+99.15	15.99	271972.1245	727153.6318
62511	109+14.17	16.00	272045.8210	727132.9308
62512	109+19.17	21.00	272045.1868	727139.9734
62513	109+19.17	28.00	272039.8131	727144.4593
62514	109+36.96	21.00	272056.5912	727153.6349
62515	109+36.96	28.00	272051.2175	727158.1208
62516	109+49.58	28.00	272059.3038	727167.8075
62517	109+49.58	21.00	272064.6775	727163.3216
62518	109+60.11	28.00	272066.0507	727175.8897
62519	109+60.11	21.00	272071.4245	727171.4038
62520	109+65.11	16.00	272078.4670	727172.0380
62521	110+10.05	16.00	272107.2674	727206.5384
62522	110+15.05	21.00	272106.6332	727213.5810
62523	110+15.05	28.00	272101.2595	727218.0669
62524	110+27.36	28.00	272109.1508	727227.5199
62525	110+27.36	21.00	272114.5245	727223.0340
62526	110+32.36	16.00	272121.5671	727223.6682
62527	110+64.24	16.00	272141.9947	727248.1388
62528	110+69.24	28.00	272135.9868	727259.6672
62529	110+69.24	21.00	272141.3605	727255.1813
62530	110+79.78	28.00	272142.7433	727267.7609
62531	110+75.00	16.00	272148.8890	727256.3975
62532	110+79.78	21.00	272148.1170	727263.2750
62533	110+75.00	11.18	272152.5886	727253.3091
62534	110+89.85	11.09	272162.1749	727264.6488

NOTE:
 1. POINTS NO. 62027 & 62028 AND 62034 & 62035 ARE LOCATED ON THE EDGE OF PAVEMENT AND DENOTE THE EXTENTS OF DEPRESSED CURB FOR MAINTENANCE ACCESS TO SWM FACILITIES.
 2. THE CROSS SLOPE WITHIN CROSSWALKS SHALL BE A MAXIMUM OF 2%.

NO. 19018-019A-CADD Highway VCP01-80181004H7-02.dgn
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ADDENDUMS / REVISIONS	



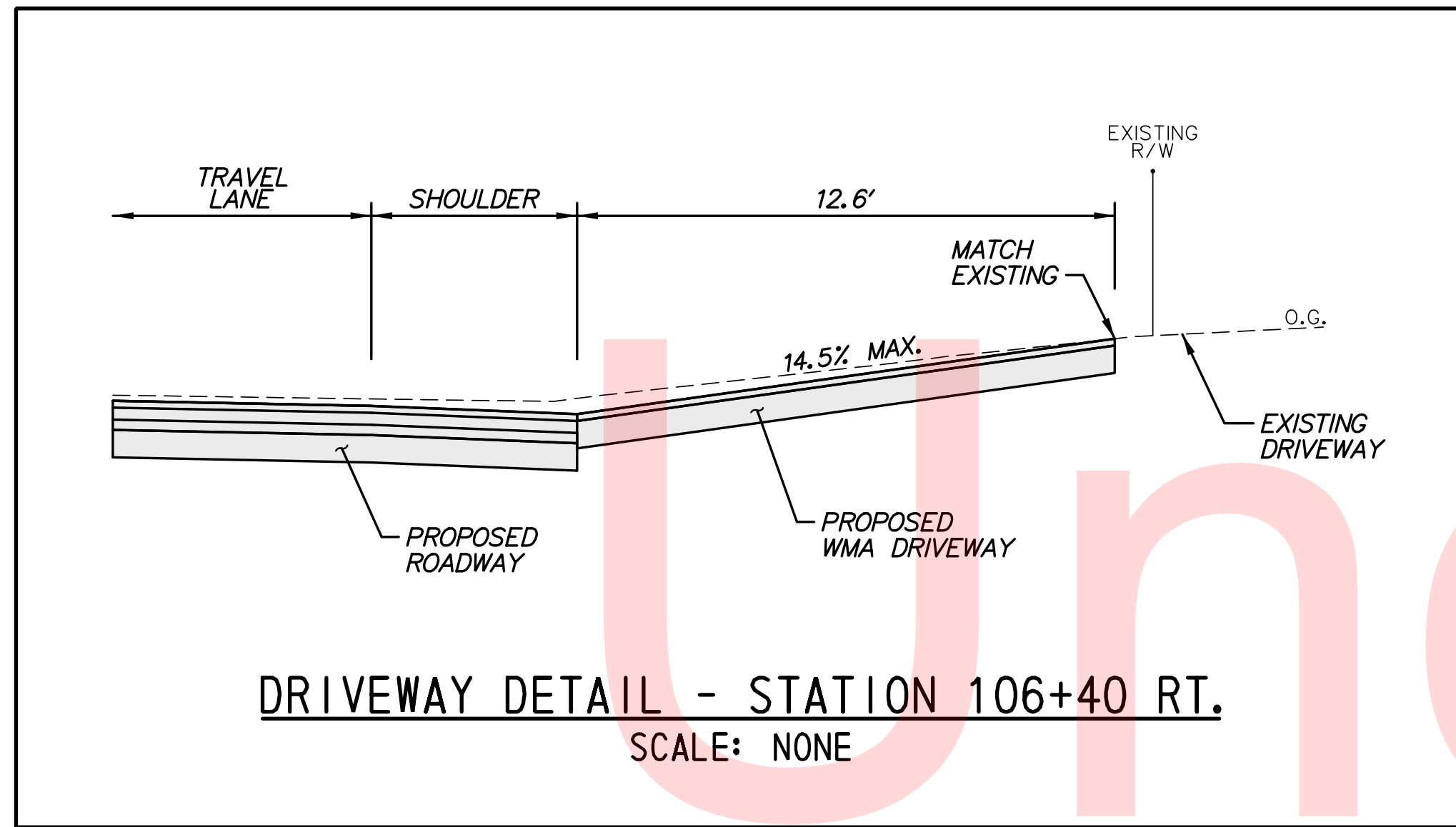
**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D. CHECKED BY: T.A.O.

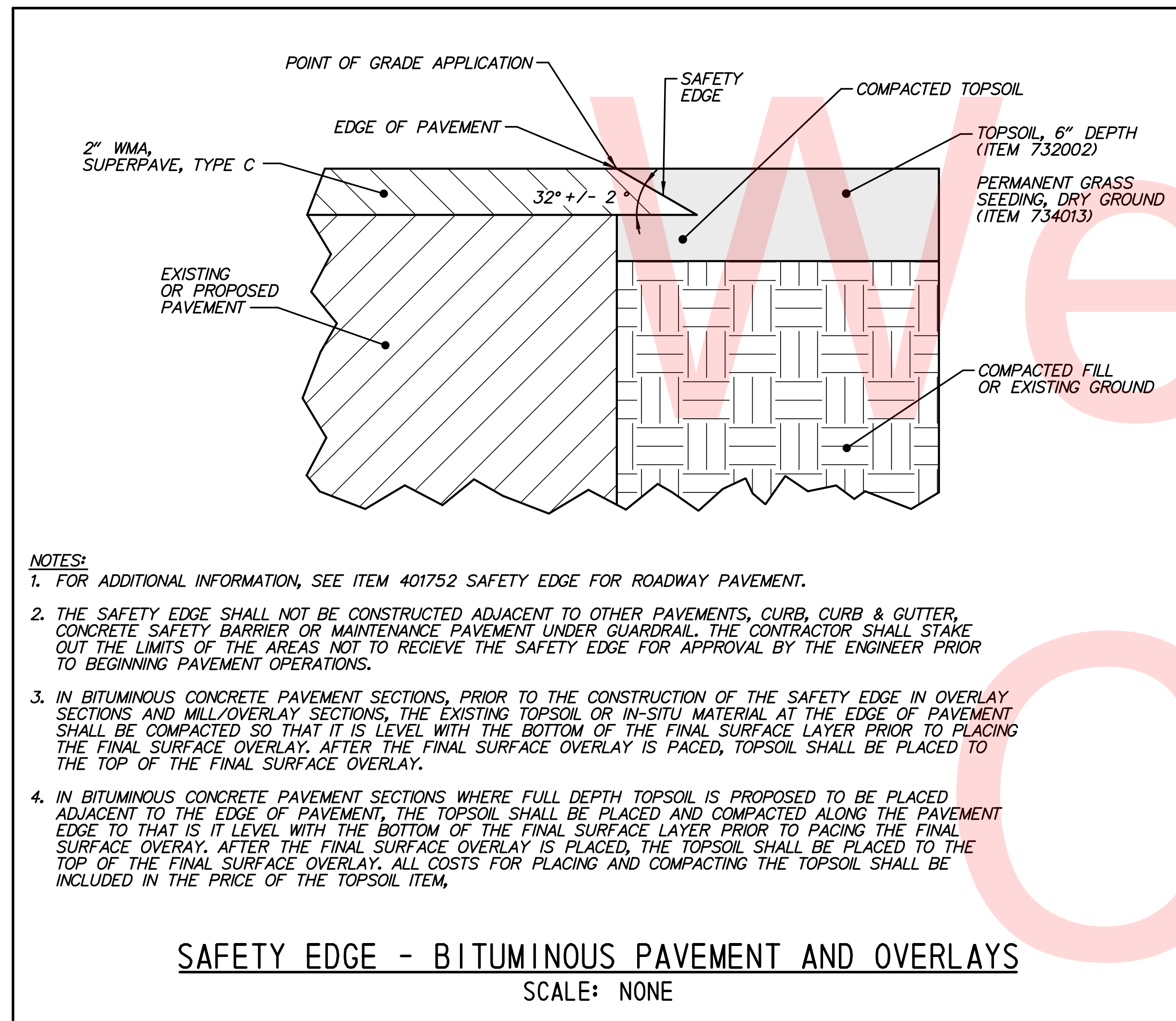
GRADES AND GEOMETRICS

SHEET NO. 38
TOTAL SHTS. 72

H7-02

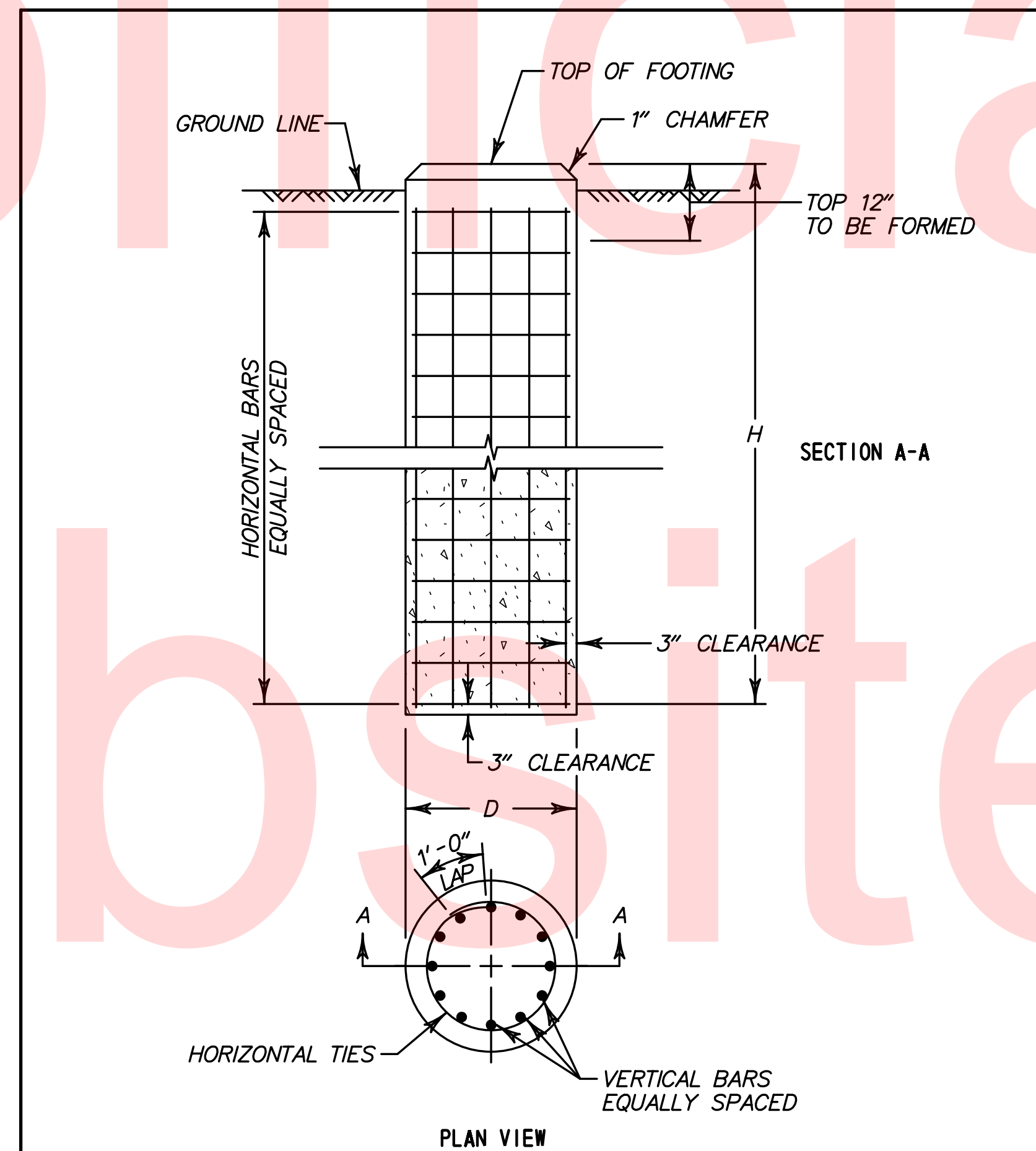


DRIVEWAY DETAIL - STATION 106+40 RT.
SCALE: NONE



- NOTES:**
- FOR ADDITIONAL INFORMATION, SEE ITEM 401752 SAFETY EDGE FOR ROADWAY PAVEMENT.
 - THE SAFETY EDGE SHALL NOT BE CONSTRUCTED ADJACENT TO OTHER PAVEMENTS, CURB, CURB & GUTTER, CONCRETE SAFETY BARRIER OR MAINTENANCE PAVEMENT UNDER GUARDRAIL. THE CONTRACTOR SHALL STAKE OUT THE LIMITS OF THE AREAS NOT TO RECEIVE THE SAFETY EDGE FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING PAVEMENT OPERATIONS.
 - IN BITUMINOUS CONCRETE PAVEMENT SECTIONS, PRIOR TO THE CONSTRUCTION OF THE SAFETY EDGE IN OVERLAY SECTIONS AND MILL/OVERLAY SECTIONS, THE EXISTING TOPSOIL OR IN-SITU MATERIAL AT THE EDGE OF PAVEMENT SHALL BE COMPACTED SO THAT IT IS LEVEL WITH THE BOTTOM OF THE FINAL SURFACE LAYER PRIOR TO PLACING THE FINAL SURFACE OVERLAY. AFTER THE FINAL SURFACE OVERLAY IS PLACED, TOPSOIL SHALL BE PLACED TO THE TOP OF THE FINAL SURFACE OVERLAY.
 - IN BITUMINOUS CONCRETE PAVEMENT SECTIONS WHERE FULL DEPTH TOPSOIL IS PROPOSED TO BE PLACED ADJACENT TO THE EDGE OF PAVEMENT, THE TOPSOIL SHALL BE PLACED AND COMPACTED ALONG THE PAVEMENT EDGE TO THAT IS IT LEVEL WITH THE BOTTOM OF THE FINAL SURFACE LAYER PRIOR TO PLACING THE FINAL SURFACE OVERLAY. AFTER THE FINAL SURFACE OVERLAY IS PLACED, THE TOPSOIL SHALL BE PLACED TO THE TOP OF THE FINAL SURFACE OVERLAY. ALL COSTS FOR PLACING AND COMPACTING THE TOPSOIL SHALL BE INCLUDED IN THE PRICE OF THE TOPSOIL ITEM.

SAFETY EDGE - BITUMINOUS PAVEMENT AND OVERLAYS
SCALE: NONE



**GALVANIZED STEEL BEAM SIGN
POST FOUNDATION DETAIL
(ITEM 749516 - REINFORCED CONCRETE
SIGN FOUNDATION, W-6)
FOR RELOCATED SIGN NO. 51 ON SHEET H13-03**

FOUNDATION DATA TABLE					
POST SIZE	D	H	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE REQUIRED (CY)
W6x16	30"	6'-6"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.2

SCALE: NONE

NO 19018-019A.CADD Highway CP01-8018100-4H8-01.dgn 10/28/2015 9:52:21 AM

GENERAL TRAFFIC CONTROL NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:
 TYPICAL APPLICATION 10 - LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS
 TYPICAL APPLICATION 33 - STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY

THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WORK WITH UTILITY CONTRACTORS FOR UTILITY WORK ON SR 1 AND SHADY ROAD.

2. THE CONTRACTOR SHALL SUPPLY MESSAGE BOARDS UNDER ITEM 743004 - FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN. THE CONTRACTOR MUST DESIGNATE WHO SHALL BE RESPONSIBLE FOR THESE MESSAGE BOARDS. MOVING MESSAGE BOARDS TO DIFFERENT LOCATIONS DURING CONSTRUCTION WILL BE INCIDENTAL TO ITEM 734004. MESSAGE BOARDS SHALL BE PLACED A MINIMUM OF SEVEN DAYS (ONE WEEK) PRIOR TO THE START OF CONSTRUCTION AND ANY CHANGES IN TRAFFIC PATTERNS. MESSAGE AND LOCATION SHALL BE APPROVED BY DISTRICT TRAFFIC SAFETY OFFICER.

3. THE CONTRACTOR SHALL INSTALL WOOD BARRICADES AT BOTH ACCESS POINTS TO THE TRANSIT CENTER ON SHADY ROAD DURING PHASE 2. BARRICADES SHALL BE INSTALLED PER DELDOT STANDARD CONSTRUCTION DETAIL NO. T-16. BARRIERS SHALL REMAIN UNTIL THE PARK AND RIDE IS OPEN.

4. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE RIGHT-TURN AND LEFT-TURN LANE STRIPING ON SHADY ROAD INTO THE SITE TO COINCIDE WITH THE REMOVAL OF THE WOOD BARRICADES AND OPENING OF THE TRANSIT CENTER ENTRANCES.

5. THE CONTRACTOR SHALL CONTACT DELDOT TRAFFIC AT LEAST THREE WEEKS PRIOR TO THE SHADY ROAD CLOSURE TO COORDINATE CONSTRUCTION ACTIVITIES WITH DELDOT CONTRACT T200911201 (HEP, SC, PLANTATION ROAD AT CEDAR GROVE ROAD/POSTAL LANE INTERSECTION IMPROVEMENTS). SHADY ROAD SHALL NOT BE CLOSED DURING ROAD CLOSURES OF POSTAL LANE AND/OR PLANTATION ROAD AS PART OF CONTRACT T200911201.

6. DELDOT TRAFFIC RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE.

7. THE CONTRACTOR SHALL PROVIDE A TEMPORARY CURB RAMPS FOR THE PHASE 1 PEDESTRIAN DETOUR AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ITEM 705528 - TEMPORARY CURB RAMP. INSTALLING THE CURB RAMP AT THE BEGINNING OF EACH WORK DAY AND REMOVING THE CURB RAMP AT THE END OF EACH WORK DAY WILL BE INCIDENTAL TO ITEM 705528.

8. THE CONTRACTOR SHALL CONTACT LOCAL EMERGENCY SERVICES AT LEAST THREE WEEKS PRIOR TO THE IMPLEMENTATION OF THE SHADY ROAD CLOSURE.

9. LANE CLOSURES ON SR 1 SHALL CONFORM TO THE FOLLOWING TIME RESTRICTIONS:
 MAY 1 TO SEPTEMBER 30: SUNDAY THROUGH FRIDAY, BETWEEN 8:00 PM TO 6:00 AM
 OCTOBER 1 TO APRIL 30: MONDAY THROUGH FRIDAY, BETWEEN 9:00 AM AND 3:00 PM

10. RECONSTRUCTION OF SHADY ROAD UNDER DETOUR, UP TO THE TYPE B COURSE, SHALL CONFORM TO THE FOLLOWING TIME RESTRICTIONS:
 MAY 1 TO SEPTEMBER 30: NO WORK ALLOWED
 OCTOBER 1 TO APRIL 30: FOLLOW 24-HOUR DETOUR *

*NIGHTTIME WORK HOURS ARE ALLOWABLE WITH THE APPROVAL OF THE RESIDENTIAL COMMUNITY ADJACENT TO THE PROJECT LIMITS.

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

EROSION AND SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
	SILT FENCE
	CONSTRUCTION SAFETY FENCE
	SILT FENCE - REINFORCED
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE

Official Website Copy

NO 1918-019A.CADD Highway VCP01-80181004H12-01.dgn
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ADDENDUMS / REVISIONS	

NOT TO SCALE

LEWES PARK & RIDE AND SITE WORK

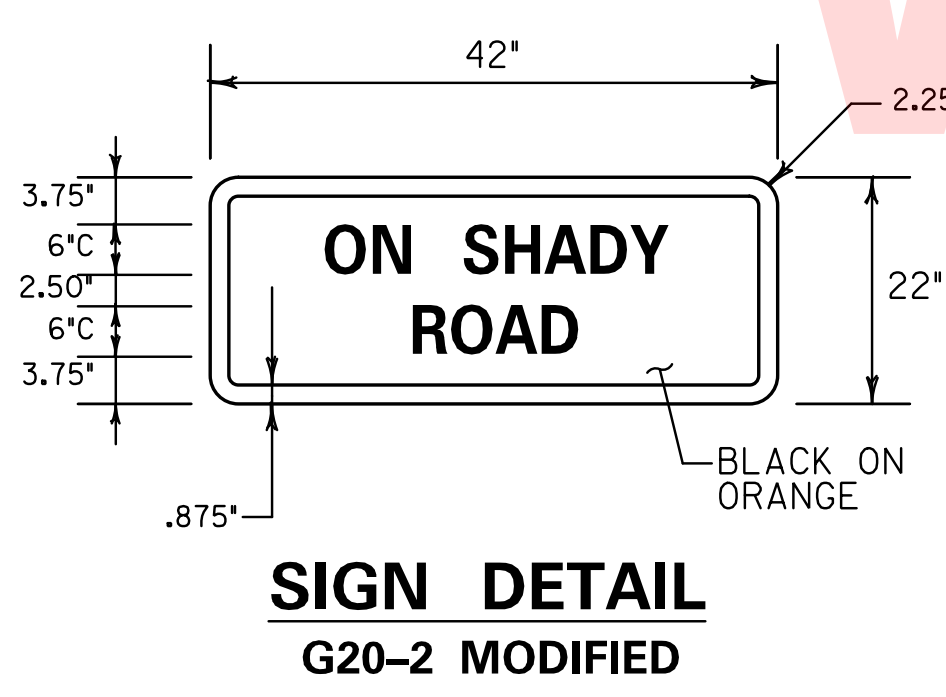
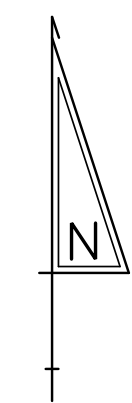
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

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

H12-01
SHEET NO. 40
TOTAL SHTS. 72

NOTES:

1. PLACE ALL WARNING SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL WARNING SIGNS SHALL BE PAID FOR UNDER ITEM 743024 - TEMPORARY WARNING SIGNS AND PLAQUES.
2. WHERE POSSIBLE, WARNING SIGNS SHALL BE PLACED A MINIMUM OF 500' FROM THE INTERSECTION. ANY LOCATIONS WHERE THEY ARE SPACED LESS THAN 500' SHALL BE APPROVED BY THE ENGINEER.
3. WARNING SIGNS SHALL BE COORDINATED WITH DELDOT CONTRACT T200911201 (HEP, SC, PLANTATION ROAD AT CEDAR GROVE ROAD/POSTAL LANE INTERSECTION IMPROVEMENTS).



WARNING SIGN LEGEND							
W20-1 48" x 48"	W20-1 48" x 48"	W20-1 48" x 48"	W20-1 48" x 48"	G20-2A 48" x 24"	G20-2 MODIFIED 42" x 22" (SEE SIGN DETAIL BLACK/ORANGE)	R2-10 36" x 48"	R2-11 36" x 48"
1	2	3	4	5	6	7	8

NO: 19181-019A_CADD_20 Highway CP01-80181004H12-02.dgn
 PD: 28/2015 9:52:25 AM

ADDENDUMS / REVISIONS

NOT TO SCALE

LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

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

H12-02
SHEET NO.
41
TOTAL SHTS.
72



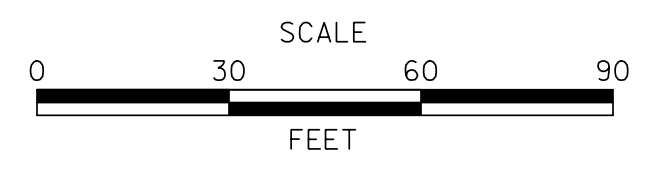
SEQUENCE OF CONSTRUCTION - PHASE I

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE I AS SHOWN ON THIS PLAN AND THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02).
- 2 INSTALL EROSION AND SEDIMENT CONTROL WORK ON SR 1 AS SHOWN ON SHEETS CS-01 AND CS-02.
- 3 TRAFFIC ON SR 1 SHALL OPERATE UNDER TA-33, STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY. PROVIDE A BICYCLE AND PEDESTRIAN DETOUR (INCLUDING A TEMPORARY CURB RAMP) WITHIN SR 1 AS SHOWN ON THIS SHEET. NO WORK OR EQUIPMENT SHALL ENCROACH INTO THE BICYCLE AND PEDESTRIAN DETOUR FACILITY. SITE ACCESS SHALL BE FROM SHADY ROAD WHEN THE DETOUR IS OPERATIONAL. M.O.T. DEVICES SHALL BE REMOVED AND TRAFFIC SHALL BE RESTORED AT THE END OF EACH WORK DAY.
- 4 CONSTRUCT PROPOSED ENTRANCES, INCLUDING SIDEWALK, CURB AND DRAINAGE, ON SR 1.
- 5 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

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ADDENDUMS / REVISIONS	

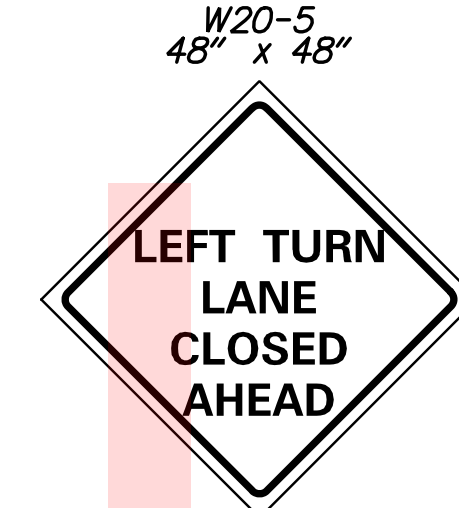
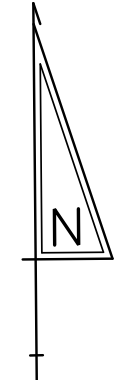


**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

**CONSTRUCTION PHASING
AND M.O.T. - PHASE 1**

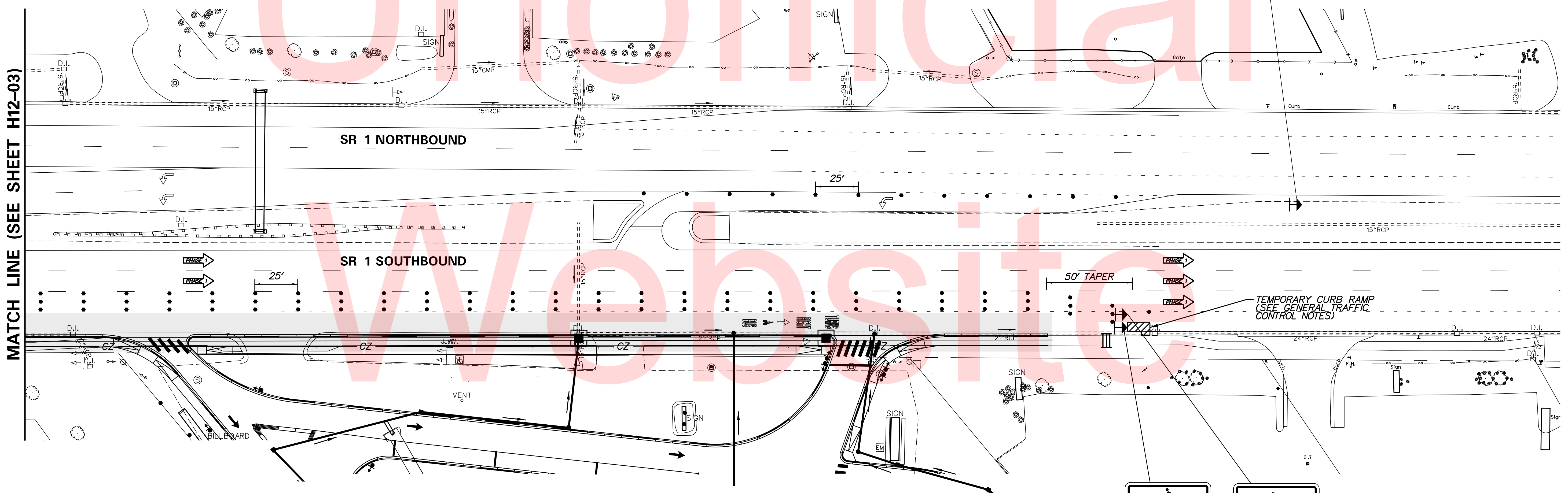
H12-03
SHEET NO. 42
TOTAL SHTS. 72



MATCH LINE (SEE SHEET H12-03)

SR 1 NORTHBOUND

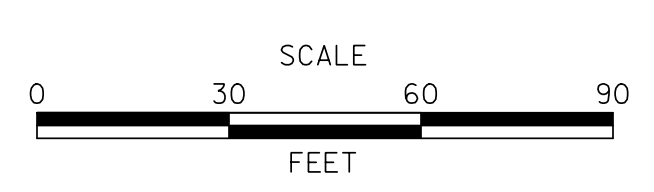
SR 1 SOUTHBOUND



SEQUENCE OF CONSTRUCTION - PHASE I

- ① PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE I AS SHOWN ON THIS PLAN AND THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02).
- ② INSTALL EROSION AND SEDIMENT CONTROL WORK ON SR 1 AS SHOWN ON SHEETS CS-01 AND CS-02.
- ③ TRAFFIC ON SR 1 SHALL OPERATE UNDER TA-33, STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY. PROVIDE A BICYCLE AND PEDESTRIAN DETOUR (INCLUDING A TEMPORARY CURB RAMP) WITHIN SR 1 AS SHOWN ON THIS SHEET. NO WORK OR EQUIPMENT SHALL ENCROACH INTO THE BICYCLE AND PEDESTRIAN DETOUR FACILITY. SITE ACCESS SHALL BE FROM SHADY ROAD WHEN THE DETOUR IS OPERATIONAL. M.O.T. DEVICES SHALL BE REMOVED AND TRAFFIC SHALL BE RESTORED AT THE END OF EACH WORK DAY.
- ④ CONSTRUCT PROPOSED ENTRANCES, INCLUDING SIDEWALK, CURB AND DRAINAGE, ON SR 1.
- ⑤ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

ADDENDUMS / REVISIONS



LEWES PARK & RIDE AND SITE WORK

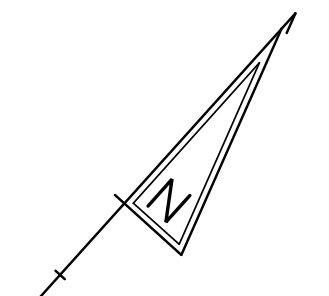
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

CONSTRUCTION PHASING AND M.O.T. - PHASE 1

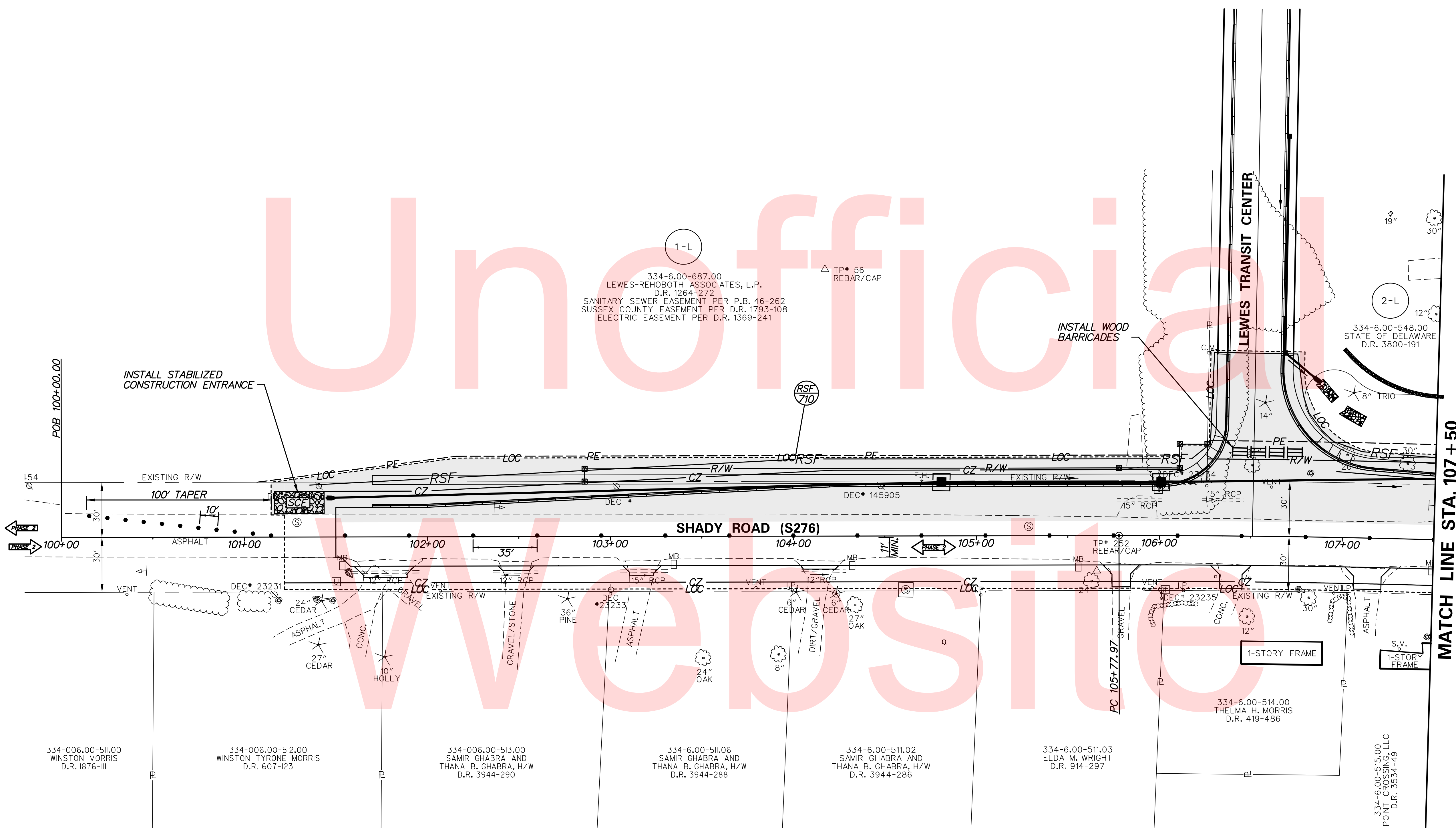
H12-04
SHEET NO. 43
TOTAL SHTS. 72

NO 19018-019A.CADD Highway VCP01-8018100-H12-04.dgn 10/28/2015 9:52:42 AM





Unofficial

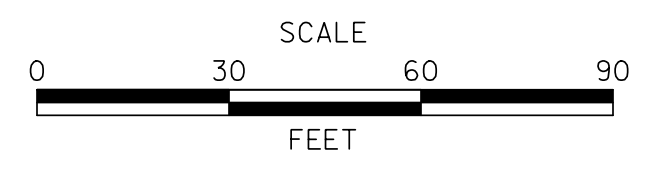


SEQUENCE OF CONSTRUCTION - PHASE 2

- ① PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 2 IN ACCORDANCE WITH TA-10 AND THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02).
- ② INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE AS SHOWN. COORDINATE EROSION AND SEDIMENT CONTROL WORK ON SHADY ROAD WITH ON-SITE EROSION AND SEDIMENT CONTROL WORK. REFER TO SHEETS CS-01 AND CS-02 FOR ON-SITE WORK.
- ③ DURING PHASE 2 WORKING HOURS, TRAFFIC ON SHADY ROAD SHALL OPERATE UNDER TA-10, LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS. M.O.T. DEVICES SHALL BE REMOVED AND TRAFFIC SHALL BE RESTORED AT THE END OF EACH WORK DAY.
- ④ DURING A THREE DAY CONTINUOUS DRY WEATHER PERIOD (PER NOAA.GOV FORECAST), CLEAR AND GRUB WORK AREA AND BEGIN STORM DRAIN CONSTRUCTION. CONSTRUCT STORM DRAIN SYSTEM BEGINNING FROM THE DOWNSTREAM END AND WORK TOWARDS THE UPSTREAM END. DIVERT FLOW INTO THE PROPOSED SYSTEM PRIOR TO ROADWAY WIDENING. INSTALL INLET PROTECTION IMMEDIATELY ON NEWLY CONSTRUCTED INLETS.
- ⑤ INSTALL PROPOSED SIDEWALK, CURB, AND CURB RAMPS, AS SHOWN, BETWEEN STATION 101+45 TO STATION 110+80 LT.
- ⑥ INSTALL WOOD BARRICADES AT BOTH ACCESS POINTS TO THE PARK AND RIDE FROM SHADY ROAD. BARRIERS SHALL REMAIN UNTIL THE PARK AND RIDE IS OPEN.
- ⑦ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 3.

ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION



LEWES PARK & RIDE AND SITE WORK

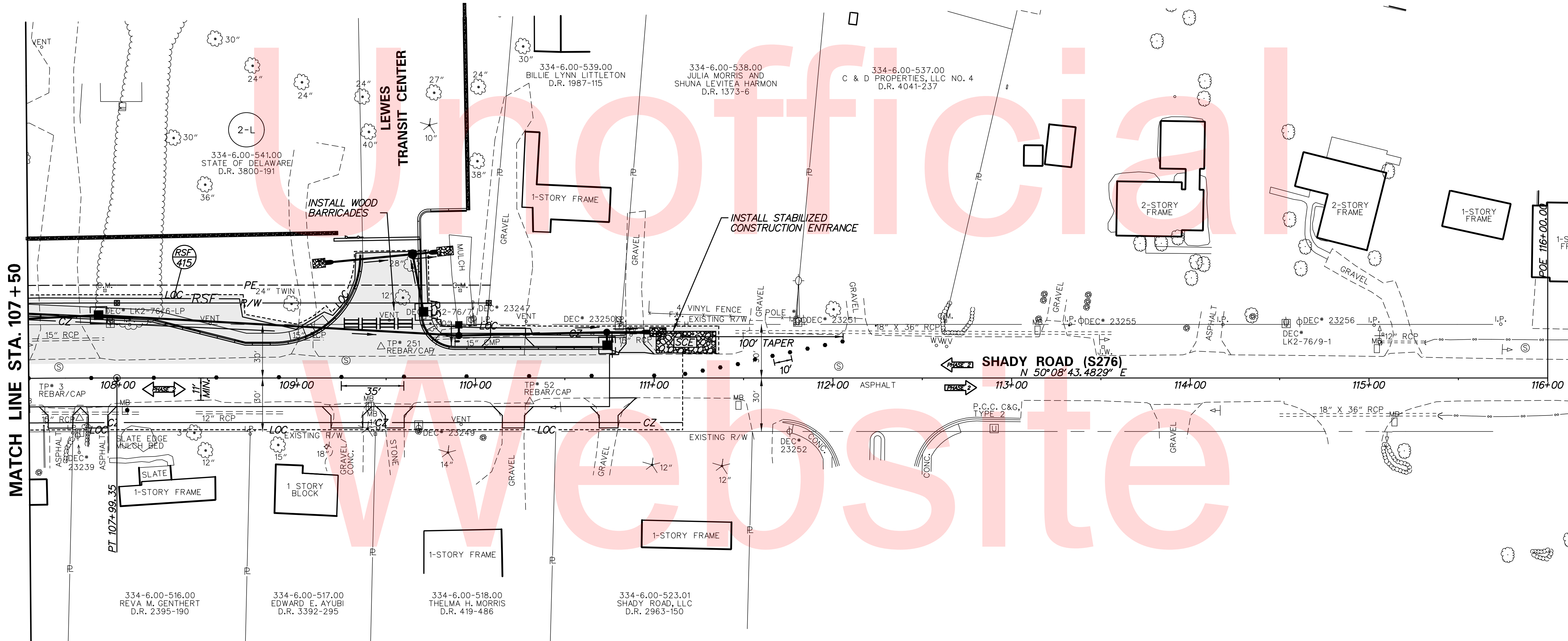
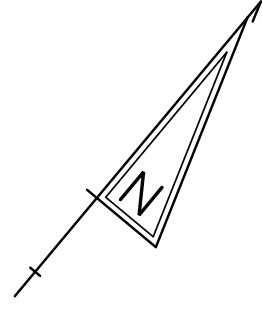
CONTRACT T200612502	BRIDGE NO.	DESIGNED BY: D.A.D.
COUNTY SUSSEX	CHECKED BY: T.A.O.	

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

H12-05
SHEET NO. 44
TOTAL SHTS. 72

NO. 19181-019A.CADD Highway VCP01-80181004H12-05.dgn
 10/28/2015 9:52:34 AM





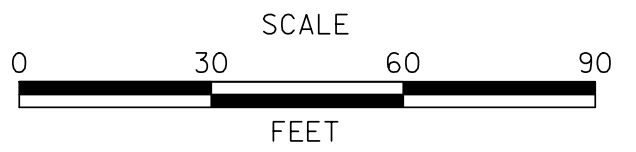
MATCH LINE STA. 107+50

- SEQUENCE OF CONSTRUCTION - PHASE 2**
- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 2 IN ACCORDANCE WITH TA-10 AND THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02).
 - 2 INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE AS SHOWN. COORDINATE EROSION AND SEDIMENT CONTROL WORK ON SHADY ROAD WITH ON-SITE EROSION AND SEDIMENT CONTROL WORK. REFER TO SHEETS CS-01 AND CS-02 FOR ON-SITE WORK.
 - 3 DURING PHASE 2 WORKING HOURS, TRAFFIC ON SHADY ROAD SHALL OPERATE UNDER TA-10, LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS. M.O.T. DEVICES SHALL BE REMOVED AND TRAFFIC SHALL BE RESTORED AT THE END OF EACH WORK DAY.
 - 4 DURING A THREE DAY CONTINUOUS DRY WEATHER PERIOD (PER NOAA.GOV FORECAST), CLEAR AND GRUB WORK AREA AND BEGIN STORM DRAIN CONSTRUCTION. CONSTRUCT STORM DRAIN SYSTEM BEGINNING FROM THE DOWNSTREAM END AND WORK TOWARDS THE UPSTREAM END. DIVERT FLOW INTO THE PROPOSED SYSTEM PRIOR TO ROADWAY WIDENING. INSTALL INLET PROTECTION IMMEDIATELY ON NEWLY CONSTRUCTED INLETS.
 - 5 INSTALL PROPOSED SIDEWALK, CURB, AND CURB RAMPS, AS SHOWN, BETWEEN STATION 101+45 TO STATION 110+80 LT.
 - 6 INSTALL WOOD BARRICADES AT BOTH ACCESS POINTS TO THE PARK AND RIDE FROM SHADY ROAD. BARRIERS SHALL REMAIN UNTIL THE PARK AND RIDE IS OPEN.
 - 7 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 3.

NO 1918-019A.CADD Highway VPO1-80181004H12-06.dgn 12/28/2015 9:52:36 AM



ADDENDUMS / REVISIONS	

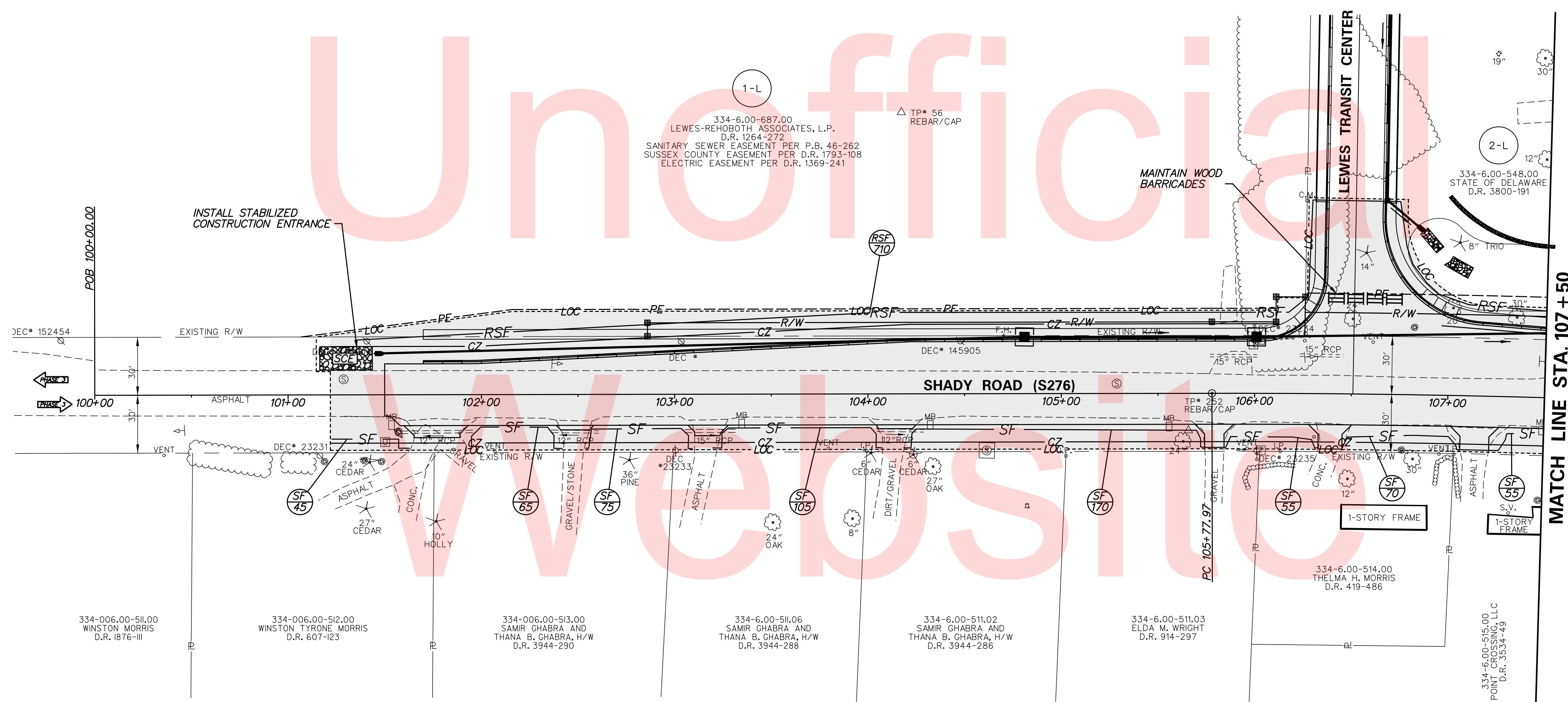
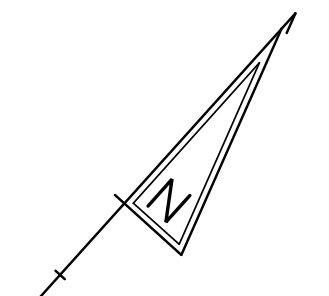


LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2
SHEET NO. 45
TOTAL SHTS. 72

H12-06
SHEET NO.
45
TOTAL SHTS.
72



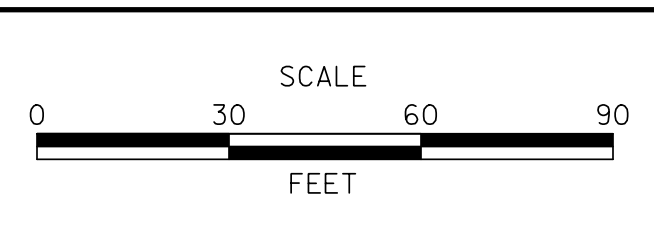
SEQUENCE OF CONSTRUCTION - PHASE 3

- ① PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 3 AS SHOWN ON THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02). CLOSE SHADY ROAD TO THROUGH TRAFFIC AND PLACE ALL TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE IN ACCORDANCE WITH THE DETOUR PLAN. CLOSE LEFT TURN LANE ON NORTHBOUND SR 1 AT SITE (AS SHOWN ON THE PHASE 1 M.O.T. PLAN).
- ② MAINTAIN ACCESS TO ALL RESIDENTIAL DRIVEWAYS ON SHADY ROAD. MAINTAIN ACCESS USING TEMPORARY HOT-MIX MATERIAL (TRM). TRM SHALL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC.
- ③ INSTALL STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCE AS SHOWN. COORDINATE EROSION AND SEDIMENT CONTROL WORK ON SHADY ROAD WITH ON-SITE EROSION AND SEDIMENT CONTROL WORK. REFER TO SHEETS CS-01 AND CS-02 FOR ON-SITE WORK.
- ④ EXCAVATE FOR AND INSTALL PROPOSED ROADWAY AND DRIVEWAYS, UP TO AND INCLUDING SUPERPAVE TYPE B, ON SHADY ROAD.
- ⑤ MAINTAIN WOOD BARRICADES AT BOTH SHADY ROAD ACCESS POINTS TO THE PARK AND RIDE. BARRIERS SHALL REMAIN UNTIL THE PARK AND RIDE IS OPEN.
- ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

NO. 19181-019, CAD13, Highway VCP01-80181004H12-07.dgn
 12/28/2015 9:52:16 AM



ADDENDUMS / REVISIONS	

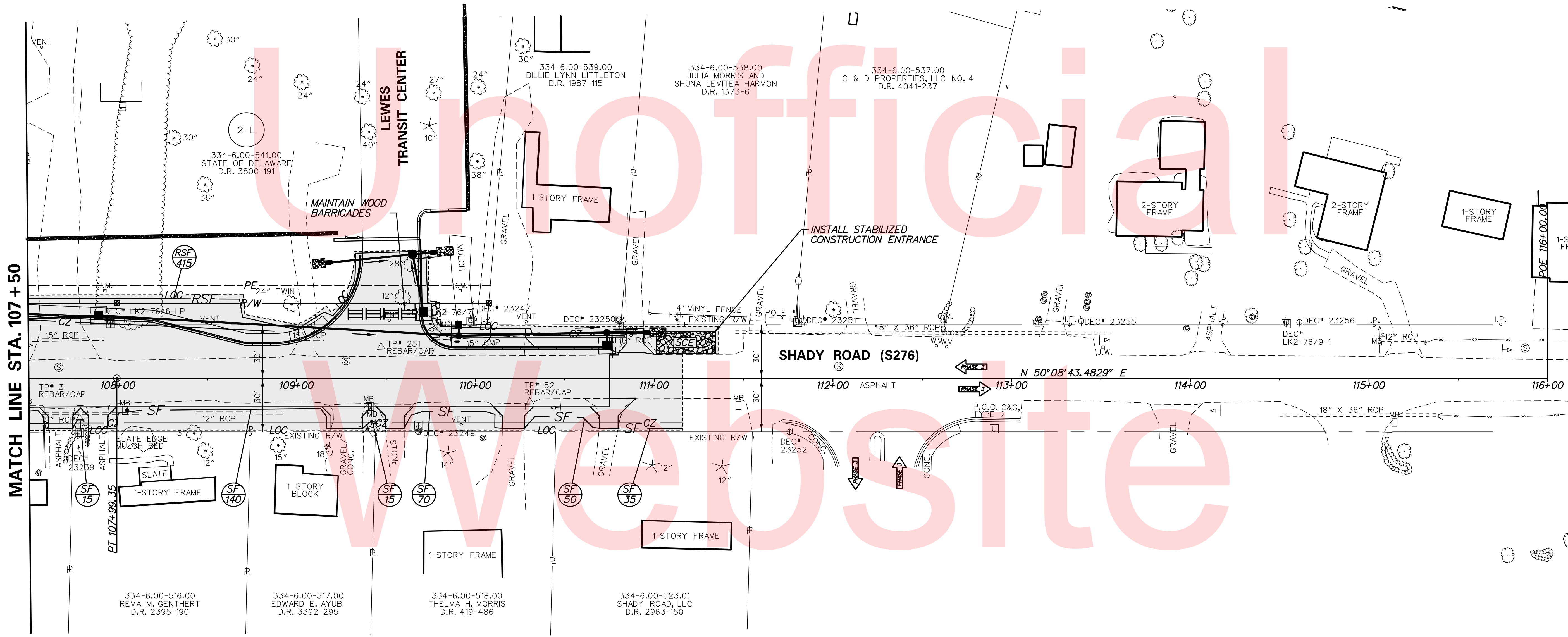
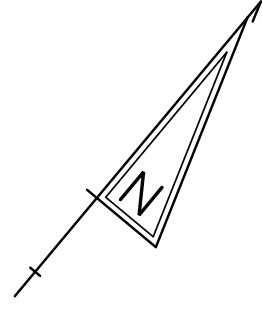


**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: D.A.D.
SUSSEX	CHECKED BY: T.A.O.

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

H12-07
SHEET NO.
46
TOTAL SHTS.
72



MATCH LINE STA. 107 + 50

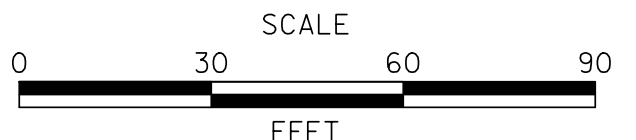
SEQUENCE OF CONSTRUCTION - PHASE 3

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 3 AS SHOWN ON THE WARNING SIGN LOCATION PLAN (SEE SHEET H12-02). CLOSE SHADY ROAD TO THROUGH TRAFFIC AND PLACE ALL TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE IN ACCORDANCE WITH THE DETOUR PLAN. CLOSE LEFT TURN LANE ON NORTHBOUND SR 1 AT SITE (AS SHOWN ON THE PHASE 1 M.O.T. PLAN).
- 2 MAINTAIN ACCESS TO ALL RESIDENTIAL DRIVEWAYS ON SHADY ROAD. MAINTAIN ACCESS USING TEMPORARY HOT-MIX MATERIAL (TRM). TRM SHALL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC.
- 3 INSTALL STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCE AS SHOWN. COORDINATE EROSION AND SEDIMENT CONTROL WORK ON SHADY ROAD WITH ON-SITE EROSION AND SEDIMENT CONTROL WORK. REFER TO SHEETS CS-01 AND CS-02 FOR ON-SITE WORK.
- 4 EXCAVATE FOR AND INSTALL PROPOSED ROADWAY AND DRIVEWAYS, UP TO AND INCLUDING SUPERPAVE TYPE B, ON SHADY ROAD.
- 5 MAINTAIN WOOD BARRICADES AT BOTH SHADY ROAD ACCESS POINTS TO THE PARK AND RIDE. BARRIERS SHALL REMAIN UNTIL THE PARK AND RIDE IS OPEN.
- 6 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

NO 1918-019A.CADD Highway VPO1-8018100-H12-08.dgn 12/28/2015 9:52:09 AM



ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: D.A.D.
	CHECKED BY: T.A.O.

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3
SHEET NO. 47
TOTAL SHTS. 72

H12-08
SHEET NO. 47
TOTAL SHTS. 72

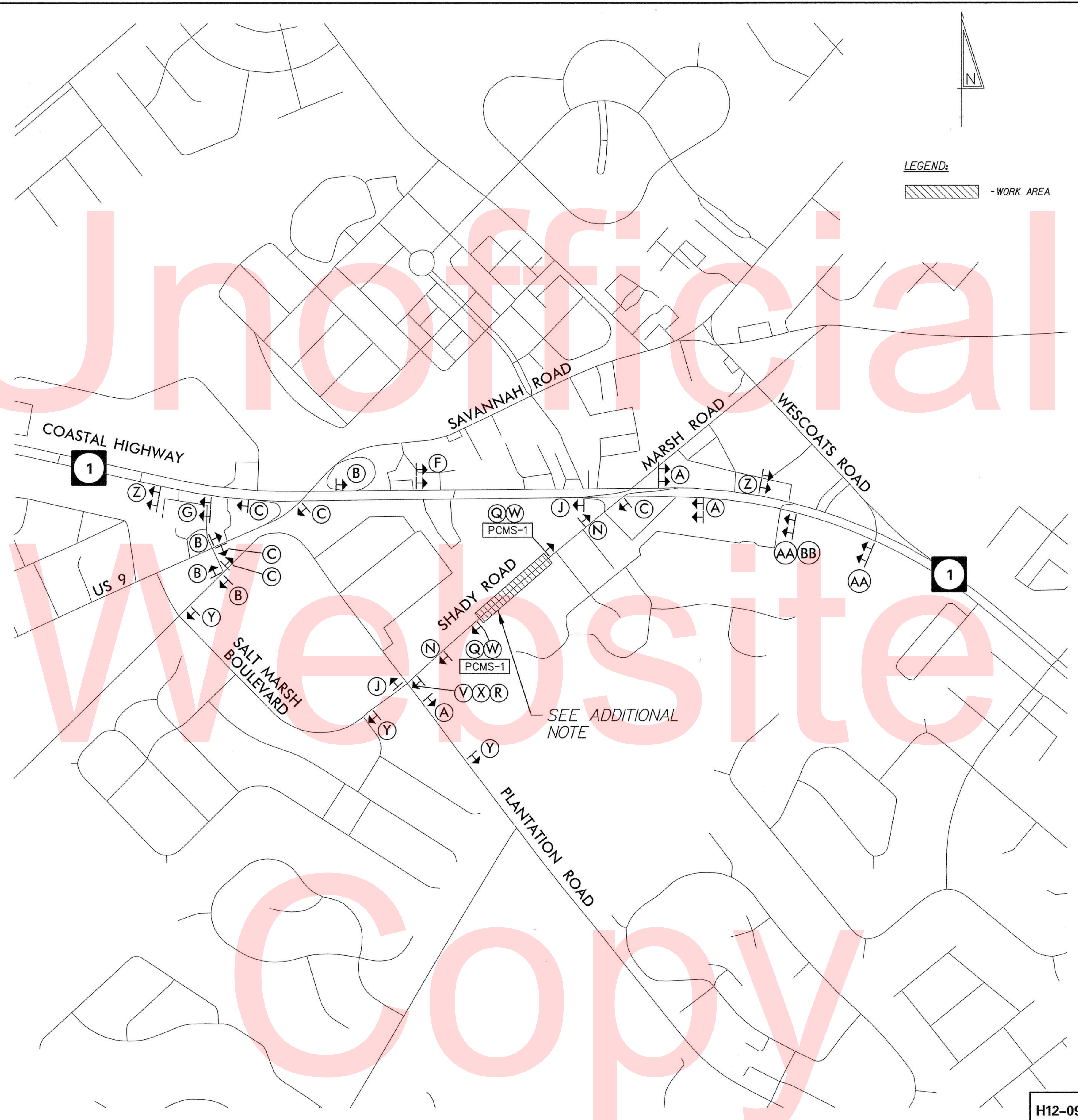
PORTABLE CHANGEABLE MESSAGE SIGNS

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

PCMS-1

SHADY RD
TO CLOSE

STARTING
MM/DD/YY



LEGEND

(A) DETOUR M4-9-DE	(B) DETOUR M4-9	(C) DETOUR M4-9	(D) DETOUR M4-9	(E) DETOUR M4-9
(F) DETOUR M4-9	(G) DETOUR M4-9	(H) DETOUR M4-9	(I) DETOUR M4-9	(J) END M4-8a
(K) DETOUR AHEAD W20-2	(L) DETOUR 1000 FT W20-2	(M) DETOUR 500 FT W20-2		
(N) ROAD CLOSED AHEAD W20-3	(O) ROAD CLOSED 1000 FT W20-3	(P) ROAD CLOSED 500 FT W20-3		
(Q) ROAD CLOSED R11-2	(R) DETOUR M4-10(L)	(S) DETOUR M4-10(R)		
(T) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	(U) BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	(V) ROAD CLOSED TO THRU TRAFFIC R11-4		
(W) BARRICADE		(X) BARRICADE		

GENERAL NOTES

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

SPECIAL SIGNS

<p>Y</p>	<p>Z</p>
<p>AA</p>	<p>BB</p>

ADDITIONAL NOTES

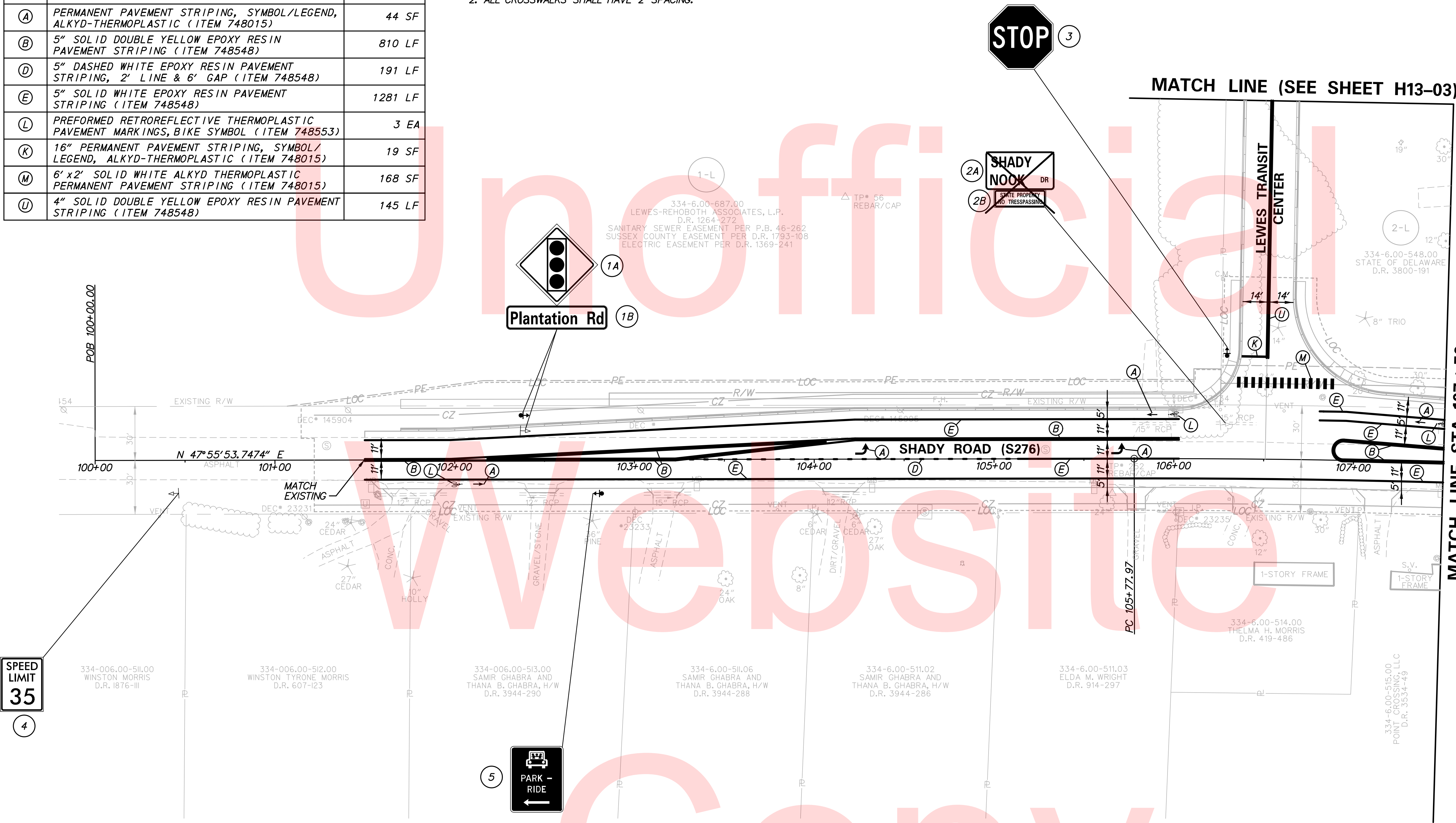
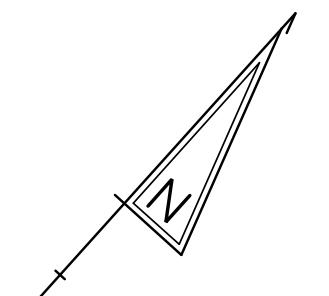
- CONTRACTOR SHALL AT ALL TIMES MAINTAIN LOCAL ACCESS FOR RESIDENTS WHOM RESIDE WITHIN THE CLOSURE
- PERMANENT WARNING SIGNS SHALL BE COVERED DURING DETOUR.

H12-09

RECOMMENDED *[Signature]* DATE: 12/20/13 RECOMMENDED _____ DATE: _____ RECOMMENDED *[Signature]* DATE: 12-20-13 APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 12-20-13 APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 12/20/13

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	44 SF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	810 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	191 LF
(E)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1281 LF
(L)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	3 EA
(K)	16" PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	19 SF
(M)	6' x 2' SOLID WHITE ALKYD THERMOPLASTIC PERMANENT PAVEMENT STRIPING (ITEM 748015)	168 SF
(U)	4" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	145 LF

NOTES:
 1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.
 2. ALL CROSSWALKS SHALL HAVE 2' SPACING.



NO. 1918-019A.CADD Highway VPO1-8018100-H13-01.dgn
 10/28/2015 9:52:41 AM



ADDENDUMS / REVISIONS	

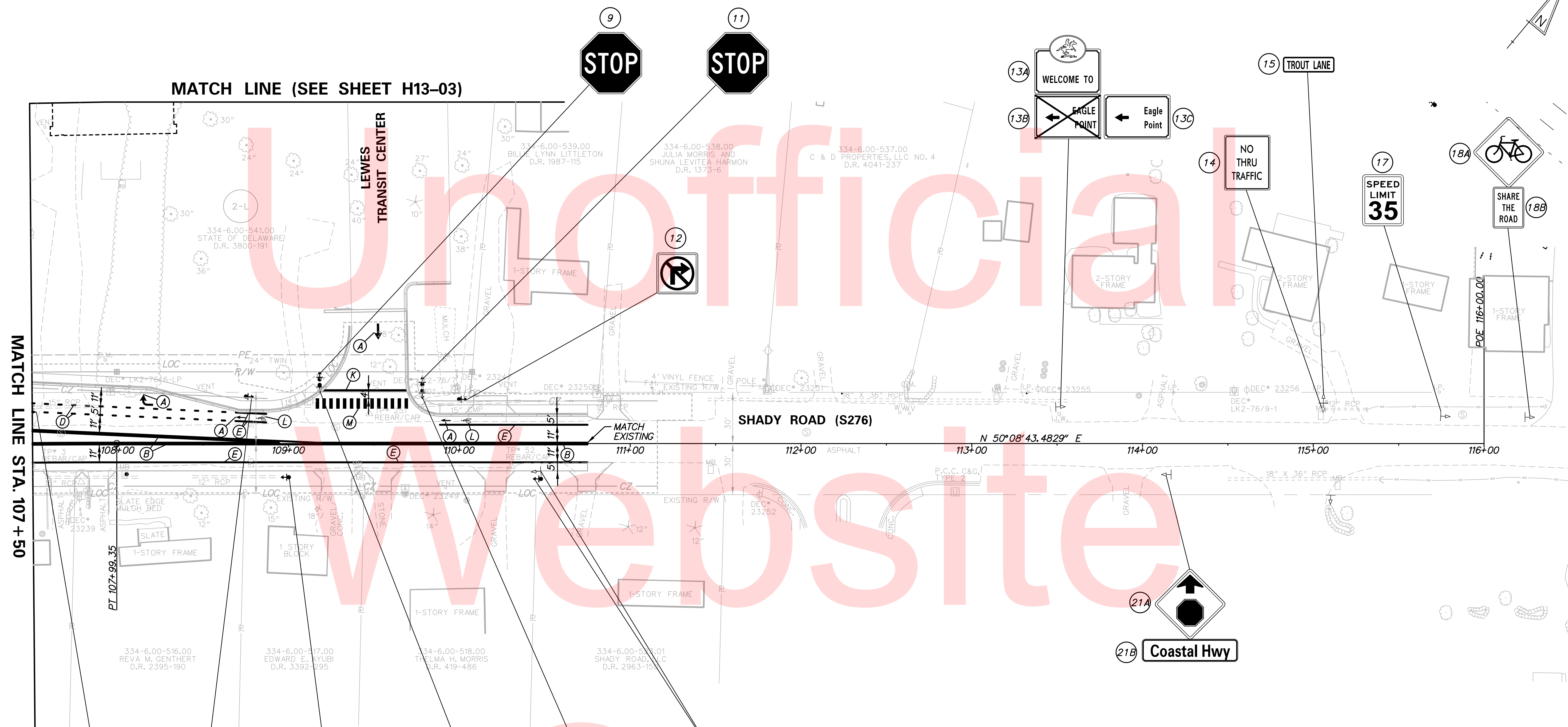
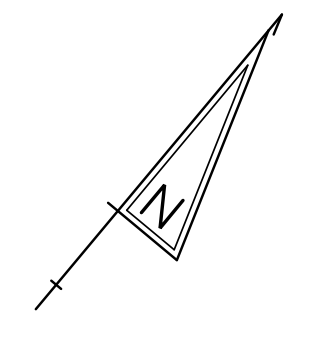


LEWES PARK & RIDE AND SITE WORK

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: B.S.S.
SUSSEX	CHECKED BY: T.A.O.

SIGNING AND STRIPING PLAN

H13-01
SHEET NO.
49
TOTAL SHTS.
72



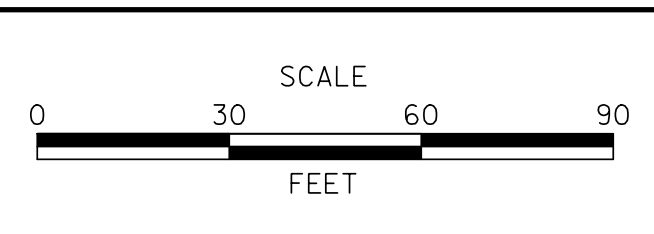
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	37 SF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	492 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	244 LF
(E)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	443 LF
(K)	16" PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	66 SF
(L)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	2 EA
(M)	6' x 2' SOLID WHITE ALKYD THERMOPLASTIC PERMANENT PAVEMENT STRIPING (ITEM 748015)	168 SF

NOTES:
 1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.
 2. ALL CROSSWALKS SHALL HAVE 2' SPACING.

NO. 19181-019A-CADD Highway VCP01-8018100-H13-02.dgn
 12/28/2015 9:52:45 AM



ADDENDUMS / REVISIONS	



LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

SIGNING AND STRIPING PLAN

H13-02
SHEET NO. 50
TOTAL SHTS. 72

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	68 SF
(K)	16" PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	34 SF
(M)	6' x 2' SOLID WHITE ALKYD THERMOPLASTIC PERMANENT PAVEMENT STRIPING (ITEM 748015)	132 SF
(N)	10' x 2' SOLID WHITE ALKYD THERMOPLASTIC PERMANENT PAVEMENT STRIPING (ITEM 748015)	200 SF
(P)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	5044 LF
(S)	4" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	86 LF
(T)	6' X 2' RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, SYMBOL/LEGEND (TAPE)(ITEM 748529)	132 SF
(U)	4" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	140 LF
(X)	4" SOLID BLUE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	345 LF
(Y)	RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, SYMBOL/LEGEND (TAPE)(ITEM 748529)	174 SF
(Z)	16" RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, SYMBOL/LEGEND (TAPE)(ITEM 748529)	79 SF

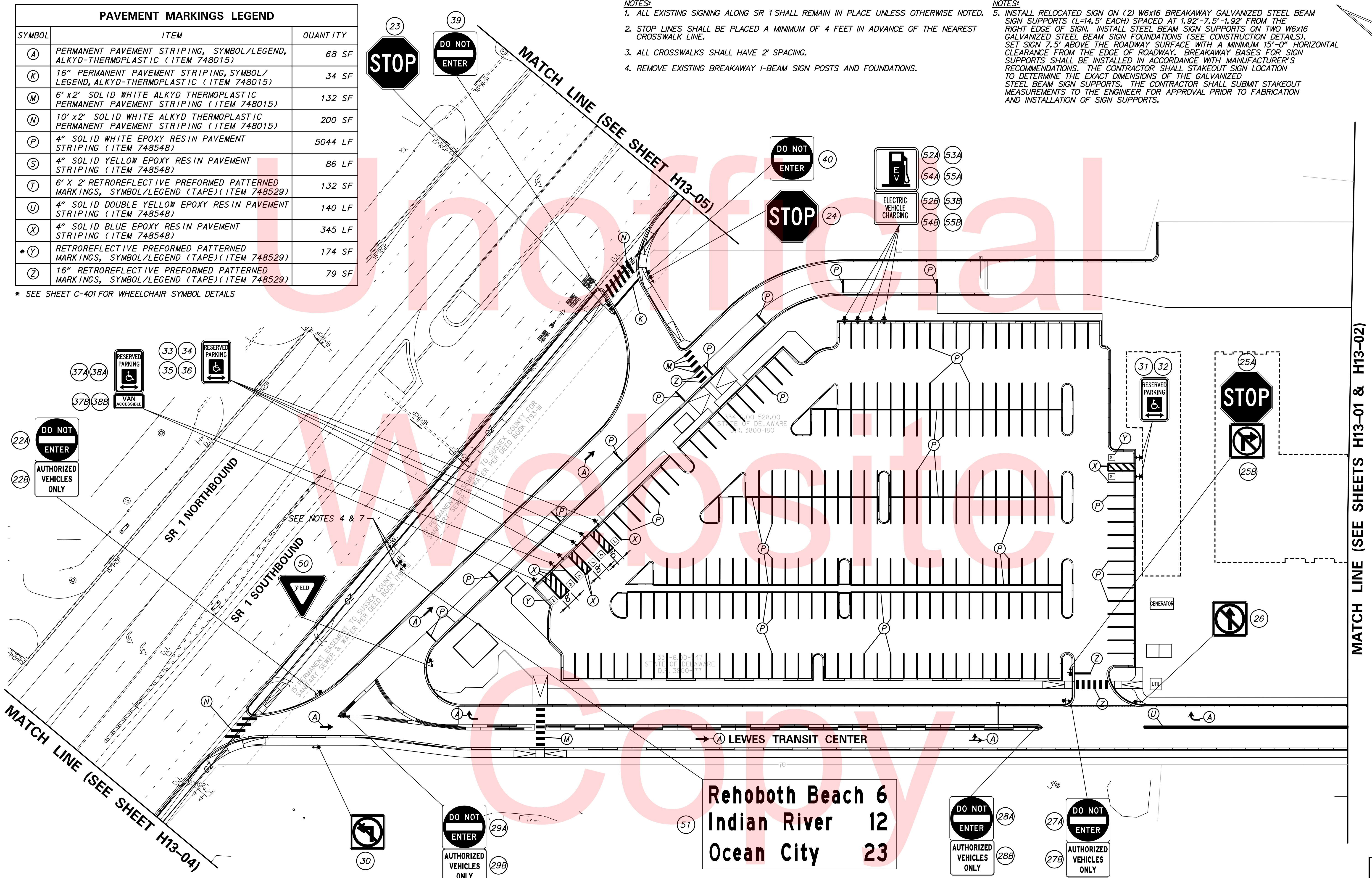
* SEE SHEET C-401 FOR WHEELCHAIR SYMBOL DETAILS

NOTES:

1. ALL EXISTING SIGNING ALONG SR 1 SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.
2. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.
3. ALL CROSSWALKS SHALL HAVE 2' SPACING.
4. REMOVE EXISTING BREAKAWAY I-BEAM SIGN POSTS AND FOUNDATIONS.

NOTES:

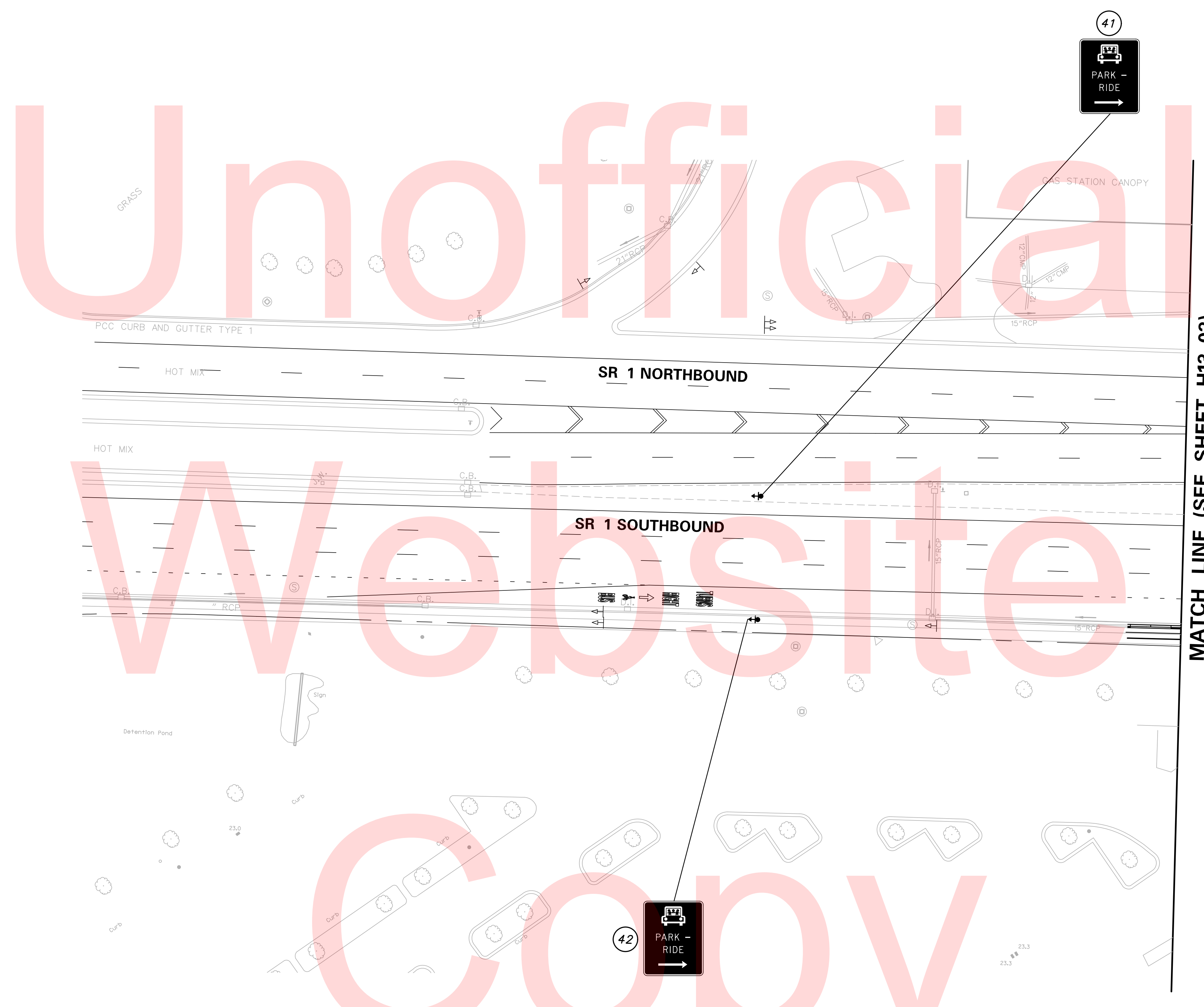
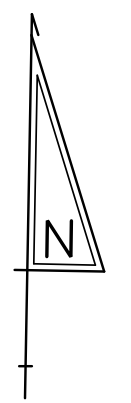
5. INSTALL RELOCATED SIGN ON (2) W6x16 BREAKAWAY GALVANIZED STEEL BEAM SIGN SUPPORTS (L=14.5' EACH) SPACED AT 1.92'-7.5'-1.92' FROM THE RIGHT EDGE OF SIGN. INSTALL STEEL BEAM SIGN SUPPORTS ON TWO W6x16 GALVANIZED STEEL BEAM SIGN FOUNDATIONS (SEE CONSTRUCTION DETAILS). SET SIGN 7.5' ABOVE THE ROADWAY SURFACE WITH A MINIMUM 15'-0" HORIZONTAL CLEARANCE FROM THE EDGE OF ROADWAY. BREAKAWAY BASES FOR SIGN SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL STAKEOUT SIGN LOCATION TO DETERMINE THE EXACT DIMENSIONS OF THE GALVANIZED STEEL BEAM SIGN SUPPORTS. THE CONTRACTOR SHALL SUBMIT STAKEOUT MEASUREMENTS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF SIGN SUPPORTS.



Rehoboth Beach 6
Indian River 12
Ocean City 23

NO. 1918-019A-CAD.DWG Highway CP01-8018100-H13-03.dgn
 01/28/2015 9:52:14 AM

NOTES:
 1. ALL EXISTING SIGNING ALONG SR 1 SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.

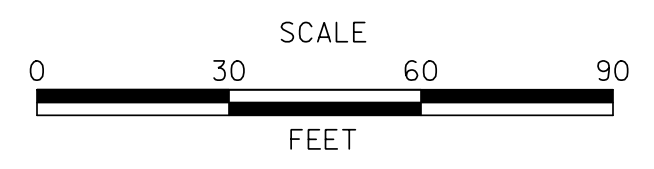


MATCH LINE (SEE SHEET H13-03)

NO 1918-019.dwg, 2/28/2019 9:52:45 AM, Highway VCP01-8018100-H13-04.dgn



ADDENDUMS / REVISIONS	



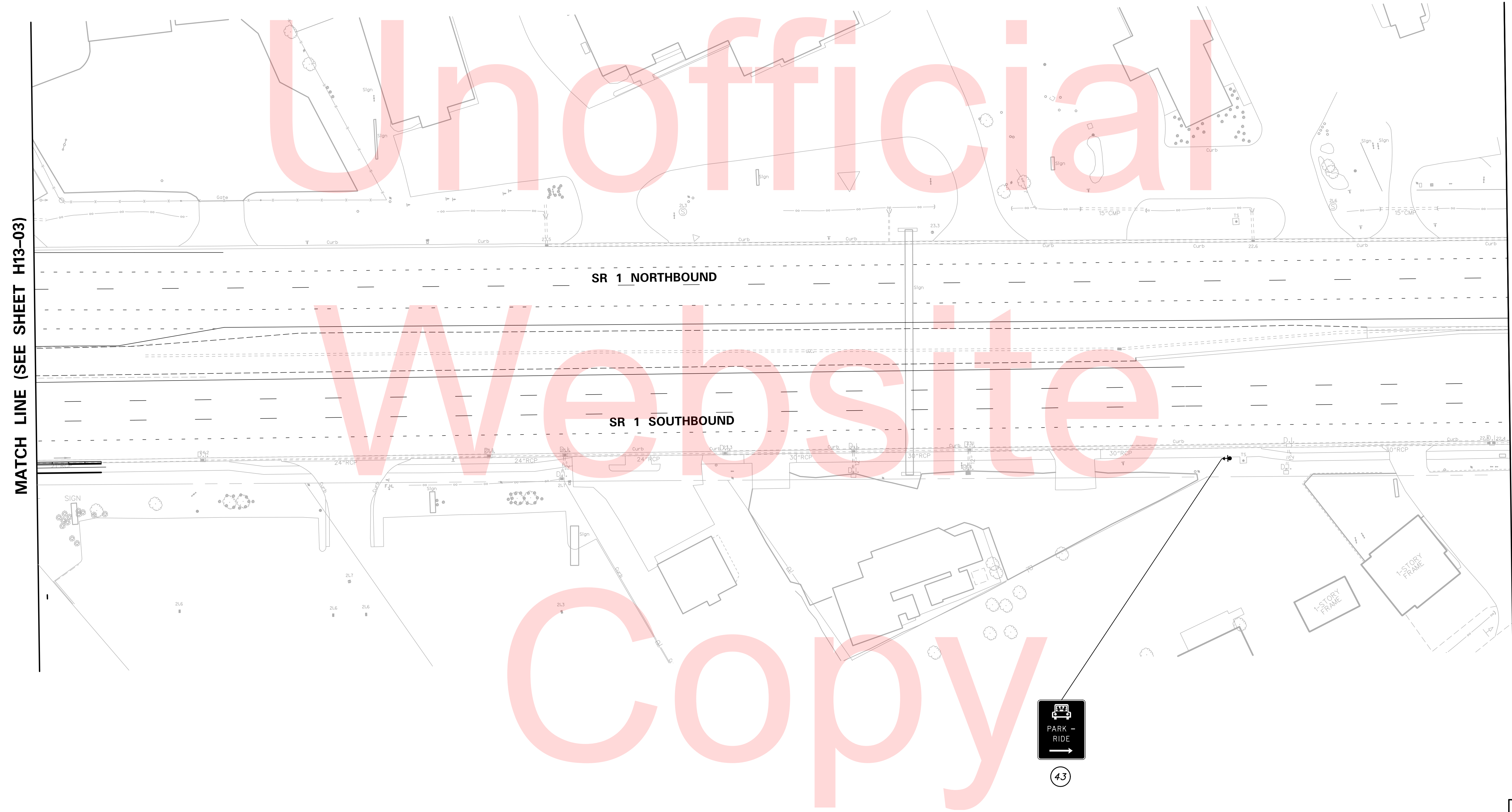
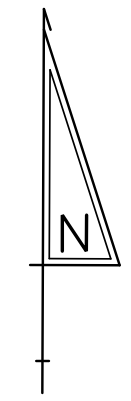
**LEWES PARK & RIDE
 AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

**SIGNING AND STRIPING
 PLAN**

H13-04
SHEET NO. 52
TOTAL SHTS. 72

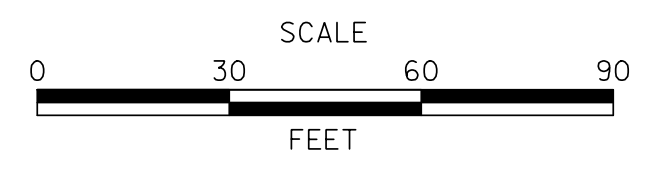
NOTES:
 1. ALL EXISTING SIGNING ALONG SR 1 SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.



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ADDENDUMS / REVISIONS	



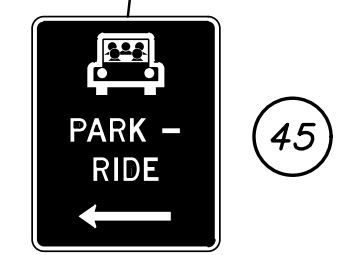
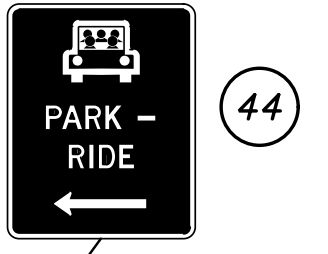
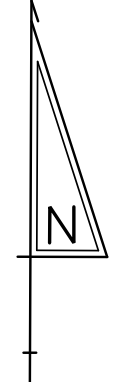
**LEWES PARK & RIDE
 AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

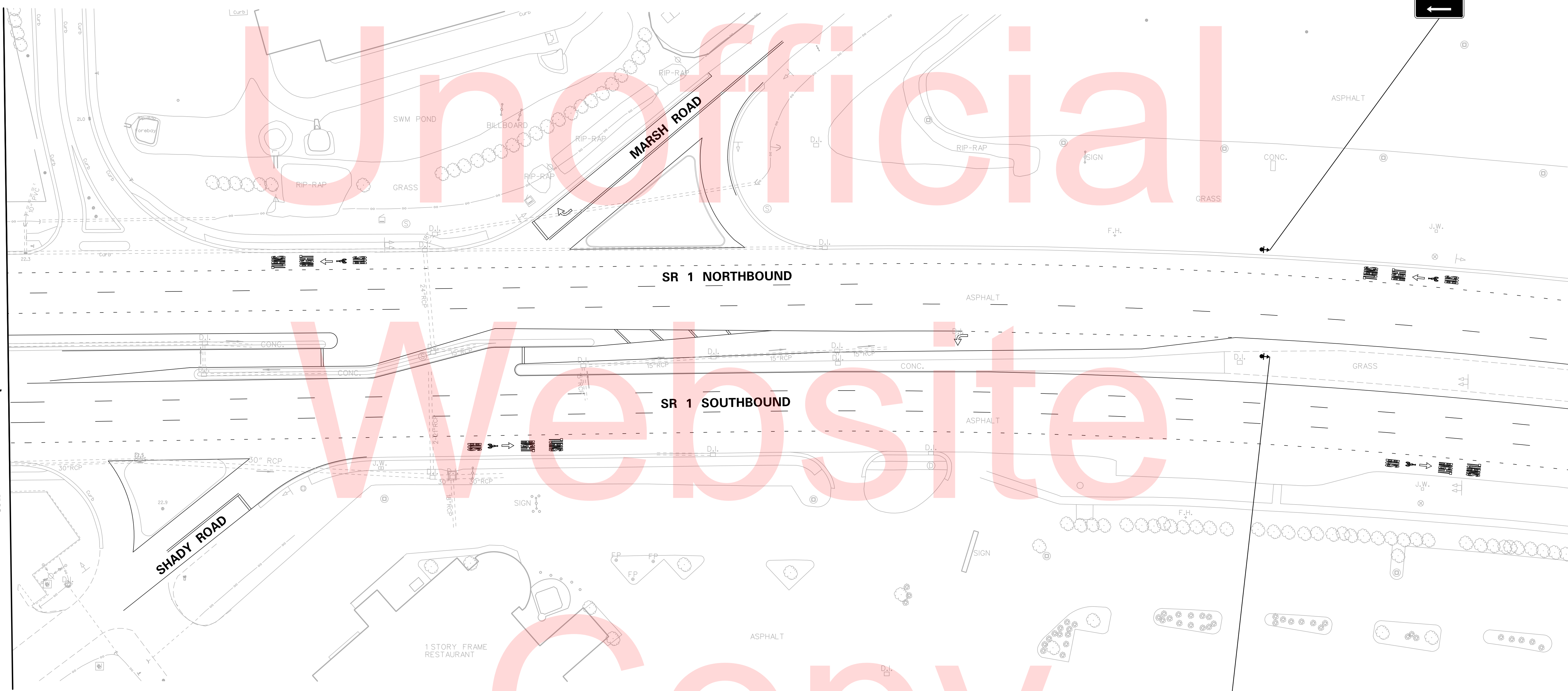
**SIGNING AND STRIPING
 PLAN**

H13-05
SHEET NO. 53
TOTAL SHTS. 72

NOTES:
 1. ALL EXISTING SIGNING ALONG SR 1 SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.



MATCH LINE (SEE SHEET H13-05)



NC 19018-019.dwg Highway VCP01-80181004H13-06.dgn
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ADDENDUMS / REVISIONS	



**LEWES PARK & RIDE
 AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S. CHECKED BY: T.A.O.

**SIGNING AND STRIPING
 PLAN**

H13-06
SHEET NO. 54
TOTAL SHTS. 72

SIGN SCHEDULE

NO.	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 DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
	H13-01	1A			Signal Ahead (Symbol)	1				REPOSITION	1	1			SOIL	0	0	0			
	H13-01	1B			"Plantation Rd"	1				REPOSITION	1	1			SOIL	0	0	0			
	H13-01	2A			"SHADY NOOK DR"	2				REMOVE	1				SOIL	0	0	0			
	H13-01	2B			STATE PROPERTY NO TRESSPASSING	2				REMOVE	1				SOIL	0	0	0			
4	H13-01	3	R1-1(36)		STOP	3	36"	36"	9	NEW		1			SOIL	1	0	0			
	H13-01	4			Speed Limit (35 MPH)	4				REMAIN					SOIL	0	0	0			
1691	H13-01	5	D4-2(30)		PARK & RIDE - 30x36	5	30"	36"	7.5	NEW		1			SOIL	1	0	0			
	H13-02	6A			"SHADY NOOK DR"	6				REMOVE	1				SOIL	0	0	0			
	H13-02	6B			STATE PROPERTY NO TRESSPASSING	6				REMOVE	1				SOIL	0	0	0			
1691	H13-02	7A	D4-2(30)		PARK & RIDE - 30x36	7	30"	36"	7.5	NEW		1			SOIL	1	0	0			
305	H13-02	7B	R4-4-DE		RIGHT TURNS YIELD TO BIKE	7	36"	30"	7.5	NEW		1			SOIL	0	0	0			
358	H13-02	8A	R5-1(30)		DO NOT ENTER - 30x30	8	30"	30"	6.25	NEW		1			SOIL	0	0	0			
693	H13-02	8B	SR1-15-DE		STATE PROPERTY NO TRESSPASSING	8	24"	12"	2	NEW		1			SOIL	1	0	0			
4	H13-02	9	R1-1(36)		STOP	9	36"	36"	9	NEW		1			SOIL	1	0	0			
358	H13-02	10A	R5-1(30)		DO NOT ENTER - 30x30	10	30"	30"	6.25	NEW		1			SOIL	1	0	0			
693	H13-02	10B	SR1-15-DE		STATE PROPERTY NO TRESSPASSING	10	24"	12"	2	NEW		1			SOIL	0	0	0			
4	H13-02	11	R1-1(36)		STOP	11	36"	36"	9	NEW		1			SOIL	1	0	0			
105	H13-02	12	R3-1(24)		RIGHT TURN PROHIBITION (Symbol) - 24x24	12	24"	24"	4	NEW		1			SOIL	1	0	0			
	H13-02	13A			Welcome To (Development Sign)	13				REMAIN					SOIL	0	0	0			
	H13-02	13B			Development Name	13				REMOVE	1				SOIL	0	0	0			
1686	H13-02	13C	D3-2-DE2		DEVELOPMENT NAME	13	36"	24"	6	NEW		1			SOIL	0	0	0			
	H13-02	14			NO THRU TRAFFIC	14				REMAIN					SOIL	0	0	0			
	H13-02	15			"TROUT LANE"	15				REMAIN					SOIL	0	0	0			
	H13-02	17			Speed Limit (35 MPH)	17				REMAIN					SOIL	0	0	0			
	H13-02	18A			Bicycle (Symbol)	18				REMAIN					SOIL	0	0	0			
	H13-02	18B			Share the Road (Plaque)	18				REMOVE	1				SOIL	0	0	0			
110	H13-02	19	R3-2(24)		LEFT TURN PROHIBITION (Symbol) - 24x24	19	24"	24"	4	NEW		1			SOIL	1	0	0			
	H13-02	20A			Welcome To (Development Sign)	20				REPOSITION	1	1			SOIL	0	0	0			
	H13-02	20B			Development Name	20				REMOVE	1				SOIL	0	0	0			
1686	H13-02	20C	D3-2-DE2		DEVELOPMENT NAME	20	36"	24"	6	NEW		1			SOIL	0	0	0			
	H13-02	21A			Stop Ahead (Symbol)	21				REMAIN					SOIL	0	0	0			
	H13-02	21B			"Coastal Hwy"	21				REMAIN					SOIL	0	0	0			
358	H13-03	22A	R5-1(30)		DO NOT ENTER - 30x30	22	30"	30"	6.25	NEW		1			SOIL	1	0	0			
391	H13-03	22B	R5-11		AUTHORIZED VEHICLES ONLY	22	30"	24"	5	NEW		1			SOIL	0	0	0			
4	H13-03	23	R1-1(36)		STOP	23	36"	36"	9	NEW		1			SOIL	1	0	0			
4	H13-03	24	R1-1(36)		STOP	24	36"	36"	9	NEW		1			CONCRETE	1	0	0			
4	H13-03	25A	R1-1(36)		STOP	25	36"	36"	9	NEW		1			SOIL	0	0	0			
105	H13-03	25B	R3-1(24)		RIGHT TURN PROHIBITION (Symbol) - 24x24	25	24"	24"	4	NEW		1			SOIL	1	0	0			
263	H13-03	26	R3-27(24)		THRU MOVEMENT PROHIBITION (Symbol) - 24x24	26	24"	24"	4	NEW		1			SOIL	1	0	0			
358	H13-03	27A	R5-1(30)		DO NOT ENTER - 30x30	27	30"	30"	6.25	NEW		1			SOIL	1	0	0			
391	H13-03	27B	R5-11		AUTHORIZED VEHICLES ONLY	27	30"	24"	5	NEW		1			SOIL	0	0	0			
358	H13-03	28A	R5-1(30)		DO NOT ENTER - 30x30	28	30"	30"	6.25	NEW		1			CONCRETE	1	0	0			
391	H13-03	28B	R5-11		AUTHORIZED VEHICLES ONLY	28	30"	24"	5	NEW		1			CONCRETE	0	0	0			
PAGE TOTALS									154.75			10	28			0	0	16	0	0	

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ADDENDUMS / REVISIONS	

NOT TO SCALE

**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: B.S.S.
	CHECKED BY: T.A.O.

SIGNING SCHEDULE	SHEET NO.
	TOTAL SHTS.
	72

H13-07

SIGN SCHEDULE

NO.	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 MULTIPOST (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 DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
358	H13-03	29A	R5-1(30)		DO NOT ENTER - 30x30	29	30"	30"	6.25	NEW		1			CONCRETE		0	0			
391	H13-03	29B	R5-11		AUTHORIZED VEHICLES ONLY	29	30"	24"	5	NEW		1			CONCRETE	1	0	0			
110	H13-03	30	R3-2(24)		LEFT TURN PROHIBITION (Symbol) - 24x24	30	24"	24"	4	NEW		1			CONCRETE	1	0	0			
428	H13-03	31	R7-8		RESERVED PARKING (Disabilities - symbols)	31	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	32	R7-8		RESERVED PARKING (Disabilities - symbols)	32	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	33	R7-8		RESERVED PARKING (Disabilities - symbols)	33	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	34	R7-8		RESERVED PARKING (Disabilities - symbols)	34	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	35	R7-8		RESERVED PARKING (Disabilities - symbols)	35	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	36	R7-8		RESERVED PARKING (Disabilities - symbols)	36	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
428	H13-03	37A	R7-8		RESERVED PARKING (Disabilities - symbols)	37	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
429	H13-03	37B	R7-8P		VAN ACCESSIBLE (plaque)	37	18"	9"	1.125	NEW		1			CONCRETE	1	0	0			
428	H13-03	38A	R7-8		RESERVED PARKING (Disabilities - symbols)	38	12"	18"	1.5	NEW		1			CONCRETE	1	0	0			
429	H13-03	38B	R7-8P		VAN ACCESSIBLE (plaque)	38	18"	9"	1.125	NEW		1			CONCRETE	1	0	0			
358	H13-03	39	R5-1(30)		DO NOT ENTER - 30x30	39	30"	30"	6.25	NEW		1			SOIL	1	0	0			
358	H13-03	40	R5-1(30)		DO NOT ENTER - 30x30	40	30"	30"	6.25	NEW		1			CONCRETE	1	0	0			
8	H13-03	50	R1-2(36)		YIELD	50	36"	36"	4.5	NEW		1			CONCRETE	1	0	0			
	H13-03	51			Distance (3 Lines)	51	84"	42"	24.5				REPOSITION	24.5	24.5	SOIL	0	0	0	See sheets H8-01 and H13-03 for details.	
1776	H13-03	52A	D9-11b(24)		ELECTRIC VEHICLE CHARGING (Symbol) - 24x24	52	24"	24"	4	NEW		1			CONCRETE	1	0	0			
1778	H13-03	52B	D9-11bP(24)		ELECTRIC VEHICLE CHARGING (plaque) - 24x18	52	24"	18"	3	NEW		1			CONCRETE	1	0	0			
1776	H13-03	53A	D9-11b(24)		ELECTRIC VEHICLE CHARGING (Symbol) - 24x24	53	24"	24"	4	NEW		1			CONCRETE	1	0	0			
1778	H13-03	53B	D9-11bP(24)		ELECTRIC VEHICLE CHARGING (plaque) - 24x18	53	24"	18"	3	NEW		1			CONCRETE	1	0	0			
1776	H13-03	54A	D9-11b(24)		ELECTRIC VEHICLE CHARGING (Symbol) - 24x24	54	24"	24"	4	NEW		1			CONCRETE	1	0	0			
1778	H13-03	54B	D9-11bP(24)		ELECTRIC VEHICLE CHARGING (plaque) - 24x18	54	24"	18"	3	NEW		1			CONCRETE	1	0	0			
1776	H13-03	55A	D9-11b(24)		ELECTRIC VEHICLE CHARGING (Symbol) - 24x24	55	24"	24"	4	NEW		1			CONCRETE	1	0	0			
1778	H13-03	55B	D9-11bP(24)		ELECTRIC VEHICLE CHARGING (plaque) - 24x18	55	24"	18"	3	NEW		1			CONCRETE	1	0	0			
1691	H13-04	41	D4-2(30)		PARK & RIDE - 30x36	41	30"	36"	7.5	NEW		1			SOIL	1	0	0			
1691	H13-04	42	D4-2(30)		PARK & RIDE - 30x36	42	30"	36"	7.5	NEW		1			SOIL	1	0	0			
1691	H13-05	43	D4-2(30)		PARK & RIDE - 30x36	43	30"	36"	7.5	NEW		1			SOIL	1	0	0			
1691	H13-06	44	D4-2(30)		PARK & RIDE - 30x36	44	30"	36"	7.5	NEW		1			SOIL	1	0	0			
1691	H13-06	45	D4-2(30)		PARK & RIDE - 30x36	45	30"	36"	7.5	NEW		1			SOIL	1	0	0			
PAGE TOTALS									136.5		0	29				24.5	24.5	22	0	0	
JOB TOTALS									291.25		10	57				24.5	24.5	38	0	0	

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ADDENDUMS / REVISIONS

NOT TO SCALE

**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT
T200612502
COUNTY
SUSSEX

BRIDGE NO.
DESIGNED BY: B.S.S.
CHECKED BY: T.A.O.

SIGNING SCHEDULE

H13-08
SHEET NO.
56
TOTAL SHTS.
72

LEGEND

LIGHTING

- FLUORESCENT LIGHTING FIXTURE (LOWER CASE LETTER WITH NUMBER INDICATES SWITCH OR OCCUPANCY SENSOR USED TO CONTROL FIXTURE, NUMBER INDICATES CIRCUIT)
- FLUORESCENT INDUSTRIAL TYPE LIGHTING FIXTURE (LOWER CASE LETTER WITH NUMBER INDICATES SWITCH OR OCCUPANCY SENSOR USED TO CONTROL FIXTURE, NUMBER INDICATES CIRCUIT)
- WALL MOUNTED LIGHTING FIXTURE (LOWER CASE LETTER WITH NUMBER INDICATES SWITCH OR OCCUPANCY SENSOR USED TO CONTROL FIXTURE, NUMBER INDICATES CIRCUIT)
- DOWN-LIGHT LIGHTING FIXTURE (LOWER CASE LETTER WITH NUMBER INDICATES SWITCH OR OCCUPANCY SENSOR USED TO CONTROL FIXTURE, NUMBER INDICATES CIRCUIT)
- EXIT LIGHTING FIXTURE, ARROW, INDICATES DIRECTION (NUMBER INDICATES CIRCUIT)
- EMERGENCY BATTERY POWERED LIGHTING UNIT (NUMBER INDICATES CIRCUIT)
- LIGHTING FIXTURE TYPE SYMBOL (SEE LIGHTING FIXTURE SCHEDULE)

SWITCHES

- S** SINGLE POLE SWITCH, 20A, 120-277V
- S₃** THREE WAY SWITCH, 20A, 120-277V
- S₄** FOUR WAY SWITCH, 20A, 120-277V
- S_{a1}** SINGLE POLE SWITCH, 20A, 120-277V, (LOWER CASE LETTER WITH NUMBER WHEN USED INDICATES FIXTURES CONTROLLED)
- S_{Lv-4}** LOW VOLTAGE SWITCH, SUBSCRIPT WHEN USED INDICATES QUANTITY OF BUTTON/ZONES TO BE PROVIDED
- S_T** SINGLE POLE TIMERSWITCH, 20A, 120-277V
- S_{OC}** SWITCH WITH OCCUPANCY SENSOR, 20A, 120-277V
- C** LIGHTING CONTACTOR (X POLE) 277V
- P** PUSH BUTTON
- PC** PHOTO CELL
- MS** MOTION SENSOR
- OS₃** OCCUPANCY SENSOR. PROVIDE POWER PACK AS REQUIRED (LOWER CASE LETTER WITH NUMBER WHEN USED INDICATES FIXTURES CONTROLLED.)
- OS₂** HALLWAY OCCUPANCY SENSOR. PROVIDE POWER PACK AS REQUIRED (LOWER CASE LETTER WITH NUMBER WHEN USED INDICATES FIXTURES CONTROLLED.)

RECEPTACLES

- ⊖** SINGLE RECEPTACLE, 20A, 125V AC. MOUNT 1'-6" AFF (UON)
- ⊕** TRACK LIGHTING RECEPTACLE, 15A, 125V AC. MOUNT 8'-0" AFF (UON)
- ⊖** DUPLEX CONVENIENCE RECEPT., 20A, 125V AC, MOUNT 1'-6" AFF (UON)
- ⊖_G** DUPLEX CONVENIENCE RECEPTACLE 20A, 125V AC. SUBSCRIPT "G" INDICATES GFITYPE, MOUNT 18" AFF (UON)
- ⊖₊** RECEPTACLE, SUBSCRIPT "+" INDICATES MOUNT 6" ABOVE COUNTER
- ⊖_G** DUPLEX CONVENIENCE RECEPTACLE 20A, 125V AC. SUBSCRIPT "G" INDICATES GFITYPE, MOUNT 12" ABOVE COUNTER (UON)
- ⊖** DOUBLE DUPLEX CONVENIENCE RECEPTACLE 20A, 125V AC. MOUNT 18" AFF (UON)
- ⊖** SPECIAL PURPOSE RECEPTACLE 20A OR 30A OR 50A, 3P, 4W, 480V AC. MOUNT 48" AFF (UON)
- ⊖** SPECIAL PURPOSE RECEPTACLE 20A OR 30A OR 50A, 3P, 4W, 208V AC. MOUNT 48" AFF (UON)
- ⊖_C** FLUSH CEILING MOUNTED DUPLEX RECEPTACLE. 20A, 125V
- ⊖_C** FLUSH CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE. 20A, 125V

SAFETY SWITCHES/BREAKERS/STARTERS

- _{60/3}** NON-FUSED DISCONNECT SWITCH, SUBSCRIPT INDICATES AMPACITY AND NUMBER OF POLES. ALL NON-FUSED DISCONNECT SWITCHES SHALL BE 3 POLE, 30AMPS UON.
- ⊞_{15/3}** FUSED DISCONNECT SWITCH, SUBSCRIPT INDICATES FUSED SIZE AND NUMBER OF POLES. ALL FUSED DISCONNECT SWITCHES SHALL BE RATED EQUAL TO OR GREATER GREATER THAN THE FUSE INDICATED.
- 2 ⊞** MAGNETIC MOTOR STARTER, SUBSCRIPT INDICATES NEMA SIZE 2, NEMA SIZE 1 STARTER UON
- 2 ⊞_{60/3}** MAGNETIC MOTOR STARTER, SUBSCRIPT INDICATES NEMA SIZE 2, 60 = SWITCH SIZE AND 3 = NO. OF POLES. ALL COMBINATION STARTERS SHALL BE 30AMPS, 3 POLE WITH NEMA SIZE 1 STARTER UON
- S_M** MANUAL MOTOR STARTER SWITCH WITH OVERLOAD. PROVIDE HOA AS REQUIRED
- VFD** VARIABLE FREQUENCY DRIVE, INDIVIDUALLY MOUNTED
- SS** SOLID STATE STARTER, INDIVIDUALLY MOUNTED
- 225/200 ⊞** ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED

EQUIPMENT CONNECTIONS

- ⊙₂** MOTOR, NUMBER INDICATES HORSEPOWER
- ⊞_H** ELECTRIC UNIT HEATER
- J ⊙** JUNCTION BOX
- E ⊙** EQUIPMENT CONNECTION AS NOTED
- (VAV)** VARIABLE AIR VOLUME BOX
- (MOD)** MOTOR OPERATED DAMPER
- CP** CONTROL PANEL
- FD** FUEL DISPENSER
- FMS** FUEL MANAGEMENT SYSTEM
- FTSP** FUEL TANK STATUS PANEL
- VVP** VAPOR RECOVERY PANEL

GROUNDING

- ⊙** GROUND ROD, 3/4" DIAMETER x 10'-0" LONG UON
- ⊗** AIR TERMINAL

FIRE ALARM SYSTEM

- FACP** FIRE ALARM CONTROL PANEL (FACP)
- FARP** FIRE ALARM RELEASING PANEL (FARP)
- NAC** FIRE ALARM NOTIFICATION APPLIANCE PANEL

ACCESS CONTROL/SECURITY SYSTEM (ROUGH-IN ONLY, PROVIDE BACKBOX AND RACEWAY)

- E** EMERGENCY DOOR RELEASE
- CA** CARD ACCESS TERMINAL
- DC** MAGNETIC DOOR CONTACT
- MD** MOTION DETECTOR
- ES** ELECTRIC STRIKE
- PC** PERSONAL COMPUTER
- PR** PRINTER
- VR** VIDEO RECORDER
- M** MONITOR
- ◀** CAMERA
- SSCP** SECURITY SYSTEM CONTROL PANEL
- RE** REQUEST TO EXIT

UNDERGROUND/SITE WORK

- ⊙** EXISTING HANDHOLE/MANHOLE
- G—** GROUND CONDUCTOR
- HANDHOLE/MANHOLE
- ▨** UNDERGROUND CONCRETE ENCASED DUCTBANK
- UNDERGROUND DIRECT BURIED DUCTBANK
- ******* EXISTING DUCT BANK TO BE REMOVED
- MH** MANHOLE
- HH** HANDHOLE
- "A"** SPECIFIC DUCTBANK SECTION DETAIL - SECTION SHOWN DASHED DENOTES EXISTING TO BE REMOVED U.N.O.
- 1 2** NEW CABLE DESIGNATION (TYPICAL) SEE CABLE SCHEDULE
- A** DUCTBANK SECTION, LOOKING IN DIRECTION OF ARROWS
- SPARE DUCT (TYPICAL)
- HEAVY LINE INDICATES BOTTOM OF DUCTBANK
- EXISTING CABLE DESIGNATION (TYPICAL). DESCRIPTION PER CABLE SCHEDULE.

TELEPHONE/ DATA (ROUGH-IN ONLY, PROVIDE BACKBOX AND RACEWAY)

- ☑** TELEPHONE CABINET
- ▽_w** TELEPHONE OUTLET ROUGH-IN IN WALL, 4" BOX WITH DOUBLE GAUGE RING, MOUNT 48" AFF UON. PROVIDE 1" C TO RACK IN ROOM 117 (NORTH BLDG.) AND ROOM 213 (SOUTH BLDG.).
- ▽** TELEPHONE/DATA OUTLET ROUGH-IN IN WALL, 4" BOX WITH DOUBLE GANG RING, MOUNT 18" AFF UON. PROVIDE 1" C TO RACK IN ROOM 117 (NORTH BLDG.) AND ROOM 213 (SOUTH BLDG.).

EMERGENCY SYSTEM

- G** GENERATOR
- ATS** AUTOMATIC TRANSFER SWITCH

WIRING

- HPA-1,3,5** BRANCH CIRCUIT HOMERUN TO PANELBOARD, HPA DENOTES TO PANEL HPA AND NUMERALS IDENTIFY CIRCUIT NUMBERS.
- OR** CONDUIT WITH WIRES, #12 AWG IN 3/4"C. UNLESS OTHERWISE NOTED, NUMBER OF CONDUCTORS AS REQUIRED. PROVIDE SEPARATE NEUTRALS FOR ALL SINGLE PHASE CIRCUITS.
- BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. INDICATES 2*12 CONDUCTORS AND 1*12 GROUND IN A 3/4"C (UON) FOR SINGLE PHASE BRANCH CIRCUITS AND 3*12 CONDUCTORS AND 1*12 GROUND IN A 3/4"C (UON) FOR 3 PHASE BRANCH CIRCUITS.
- INDICATES A CONDUIT RUN CONCEALED IN CEILING, WALL, FLOOR, OR ABOVE SUSPENDED CEILING (UON)
- EXPOSED CONDUIT RUN AS INDICATED.
- ⊙** CONDUIT TURNED UP
- ⊙** CONDUIT TURNED DOWN
- G—** GROUNDING CONDUCTOR (BCSD)
- X—** RACEWAY WITH SEALING FITTING
- ▨** CABLE TRAY

PANELBOARDS

- ELECTRICAL PANELBOARD
- ▨** ELECTRICAL PANELBOARD (208Y/120V, 4W+G)
- ELECTRICAL PANELBOARD (480Y/277V, 4W+G)

MISCELLANEOUS

- 1** SPECIFIC NOTE NUMBER
- 1** FEEDER SIZE
- △** SECTION NUMBER
- △** DRAWING NUMBER WHERE SHOWN
- DETAIL NUMBER
- DRAWING NUMBER WHERE SHOWN

ADDENDUMS / REVISIONS

LEWES PARK & RIDE AND SITE WORK

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: MSM/SMC
	CHECKED BY: AP

ELECTRICAL LEGEND

E-001
SHEET NO.
57
TOTAL SHTS.
72

ABBREVIATIONS

A	AMPERES	G	GROUND
AC	ALTERNATING CURRENT	GF1	GROUND FAULT INTERRUPTER
AF	ABOVE FINISHED FLOOR	GFCl	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
AFG	ABOVE FINISHED GRADE	GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
AHU	AIR HANDLING UNIT	GFp	GROUND FAULT PROTECTION
AIC	AMPERES INTERRUPTING CAPACITY, (SYM, RMS AMPS)	HID	HIGH INTENSITY DISCHARGE
AL	ALUMINUM	HH	HANDHOLE
ANNUN	ANNUNCIATOR	HOA	HAND OFF AUTOMATIC
AS	AMMETER SWITCH	HP	HORSEPOWER
ATC	AUTOMATIC TEMPERATURE CONTROL	HPS	HIGH PRESSURE SODIUM
ATS	AUTOMATIC TRANSFER SWITCH	HTR	HEATER
AUTO	AUTOMATIC	HV	HIGH VOLTAGE
AUX	AUXILIARY	HZ	HERTZ
AWG	AMERICAN WIRE GAUGE	ICCB	INSULATED CASE CIRCUIT BREAKER
BCSD	BARE COPPER SOFT DRAWN	IDS	INTRUSION DETECTION SYSTEM
BFC	BELOW FINISHED CEILING	IMC	INTERMEDIATE METALLIC CONDUIT
BFI	BLOWN FUSE INDICATOR	JB	JUNCTION BOX
BFF	BELOW FINISHED FLOOR	KAIC	THOUSAND AMPERES INTERRUPTING CAPACITY
BFG	BELOW FINISHED GRADE	KV	KILOVOLT
BLDG	BUILDING	KVA	KILOVOLT AMPERE
BKR	BREAKER	LTG	LIGHTING
C	CONDUIT	LO	LOCKOUT
CB	CIRCUIT BREAKER	LP	LIGHTING AND APPLIANCE PANEL
CC1	POWER/CONTROL/INSTRUMENTATION CABLE RUN NUMBER AS INDICATED.	LT/FMC	LIQUID TIGHT/FLEXIBLE METAL CONDUIT
CKT	CIRCUIT	LS	LIMIT SWITCH
COMB	COMBINATION	LSH	LEVEL SWITCH HIGH
CLG	CEILING	MAFC	MAKE ALL FINAL CONNECTIONS MULTI/CONDUCTOR
CP	CONTROL PANEL	M/C	MULTI/CONDUCTOR
CPT	CONTROL POWER TRANSFORMER	MCB	MAIN CIRCUIT BREAKER
CT	CURRENT TRANSFORMER	MCCB	MOLDED CASE CIRCUIT BREAKER
CU	COPPER	MCC	MOLDED CONTROL CENTER
CX	CONNECT TO EXISTING	MCP	MOTOR CIRCUIT PROTECTOR
CCTV	CLOSED CIRCUIT TELEVISION	MH	MOUNTING HEIGHT
DAS	DATA ACQUISITION SYSTEM	MHR	MOTORIZED HOSE REEL
DC	DIRECT CURRENT	MIN	MINIMUM
O/D	OUTDOOR	MLO	MAIN LUGS ONLY
DISC	DISCONNECT	MOD	MOTOR OPERATED DAMPER
DN	DOWN	MO	METAL OXIDE
DP	DISTRIBUTION PANEL	MSP	MOTOR STARTER PANEL
DPC	DISTRIBUTED PROCESS CONTROLLER	MTD	MOUNTED
DWG	DRAWING	MTG	MOUNTING
EA	EACH	N	NEUTRAL
EC	EMPTY CONDUIT	NEC	NATIONAL ELECTRICAL CODE
ECD	ELEMENTARY CONTROL DIAGRAM	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
EF	EXHAUST FAN	NFSS	NON FUSED SAFETY SWITCH
EH	ELECTRIC HEATER	NO	NORMALLY OPEN
ELEV	ELEVATION	NO	NUMBER
EMERG.	EMERGENCY	NC	NORMALLY CLOSED
EMH	ELECTRIC MANHOLE	NIC	NOT IN CONTRACT
EMT	ELECTRIC METALLIC TUBING	NL	NIGHT LIGHT
ENCL	ENCLOSURE	NTS	NOT TO SCALE
E/O	ELECTRICALLY/OPERATED	OL	OVERLOAD
EQUIP	EQUIPMENT	P	POLE OR POLES
ETM	ELAPSED TIME METER	PB	PUSH BUTTON
ETR	EXISTING TO REMAIN	PH	PHASE
EUH	ELECTRIC UNIT HEATER	PL	PILOT LIGHT
EW	ELECTRIC WATER COOLER	PLC	PROGRAMMABLE LOGIC CONTROLLER
EW	ELECTRIC WATER HEATER	PNL	PANELBOARD
EX,EXIST	EXISTING	PS	PRESSURE SWITCH
EXP	EXPLOSION PROOF	PSH	PRESSURE SWITCH HIGH
F	FUSE	PT	POTENTIAL TRANSFORMER
FA	FRAME AMPS	PVC	POLYVINYL CHLORIDE
FA	FIRE ALARM		
FAAP	FIRE ALARM ANNUNCIATOR PANEL		
FACP	FIRE ALARM CONTROL PANEL		
FBO	FURNISHED BY OTHERS UNDER SEPARATE CONTRACT		
FC	FAN COIL UNIT		
FDR	FEEDER		
FL	FLOOR		
FLEX	FLEXIBLE		
FMC	FLEXIBLE METAL CONDUIT		
FS	FLOW SWITCH		
FSS	FUSED SAFETY SWITCH		
FT	FOOT OR FEET		
FVNR	FULL VOLTAGE NON-REVERSING		
FVR	FULL VOLTAGE REVERSING		

RC	REMOTE CONTROL	SIC	SYMMETRICAL INTERRUPTING CURRENT
RECEPT	RECEPTACLE	SOPN	SPACE OR POLE NUMBER
REQ'D	REQUIRED	SPPS	SOUND POWERED PHONE SYSTEM
RGS	RIGID GALVANIZED STEEL	SS	STAINLESS STEEL
RM	ROOM	SS	SAFETY SWITCH
RMS	ROOT MEAN SQUARE	ST	SHUNT TRIP
RTD	RESISTANCE TEMPERATURE DETECTOR	STA	STATION
RTU	REMOTE TERMINAL UNIT	STP	SHIELDED TWISTED PAIR
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER	STPS	SHIELDED TWISTED PAIR OVER ALL SHIELD
RX	REMOVE EXISTING	STR	STARTER
SER.	SERVICE	STT	SHIELDED TWISTED TRIPLE
SF	SUPPLY FAN	S/N	SOLID NEUTRAL
SG1-1A/P	SWGR POWER WIRE RUN NUMBER - SWGR NUMBER AND UNIT NUMBER AS INDICATED	SW	SWITCH
		SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
		SYM	SYMMETRICAL
		SYS	SYSTEM
		TA	TRIP AMPS
		TC	TIME CLOCK
		TDD	TIME DELAY DE-ENERGIZED (OFF)
		TDE	TIME DELAY ENERGIZED (ON)
		TDC	TIME DELAY CLOSE
		TDO	TIME DELAY OPEN
		TMH	TELEPHONE MANHOLE
		TP	TWISTED PAIR
		TPS	TWISTED PAIR SHIELDED
		TST	THERMOSTAT SWITCH IN AUTO-TRANSFORMER
		TTB/TTC	TELEPHONE TERMINAL BOARD/CABINET
		TYP	TYPICAL
		UH	UNIT HEATER
		UG	UNDERGROUND
		UON	UNLESS OTHERWISE NOTED
		UPS	UNINTERRUPTIBLE POWER SUPPLY
		V	VOLTS OR VOLTAGE
		VFD	VARIABLE FREQUENCY DRIVE
		W	WATTS
		W	WIRE
		W/	WITH
		WP	WEATHERPROOF
		XFMR	TRANSFORMER
		Ⓢ	CENTER LINE
		Ⓢ	PHASE
		Ⓢ	AT
		*	NUMBER

DIAGRAM LEGEND

	INCOMING LINE
	METER
	PT -POTENTIAL TRANSFORMER, NUMERAL DENOTES QUANTITY, STATIONARY TYPE WITH FUSE.
	CPT -CONTROL POWER TRANSFORMER, NUMERAL DENOTES QUANTITY, STATIONARY FUSE.
	CT -CURRENT TRANSFORMER, NUMERAL DENOTES QUANTITY.
	MOLDED CASE CIRCUIT BREAKER AUTOMATIC. 3 POLE UNLESS NOTED. 800 = FRAME SIZE, 600 = TRIP SIZE.
	TRANSFORMER, SIZE AS NOTED ON DWG
	△ PRIMARY CONNECTED DELTA
	Y SECONDARY CONNECTED WYE, NEUTRAL SOLIDLY GROUNDED.
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	PILOT OR INDICATING LIGHT A=AMBER, B=BLUE, G=GREEN, R=RED
	GROUND CONNECTION
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	AUTOMATIC TRANSFER SWITCH

ADDENDUMS / REVISIONS

LEWES PARK & RIDE AND SITE WORK

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: MSM/SMC
SUSSEX	CHECKED BY: AP

ELECTRICAL ABBREVIATIONS & DIAGRAM LEGEND

E-002
SHEET NO.
58
TOTAL SHTS.
72

GENERAL NOTES

1. INSTALLATION OF ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS ABOVE SUSPENDED CEILING AND INFURRED WALLS SHALL BE INSTALLED PARALLEL TO THE BEAMS AND WALLS.
3. PROVIDE ALL REQUIRED PULL BOXES, JUNCTIONBOXES, AND HANDHOLES FOR INSTALLATION OF THE WIRING IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS THOUGH THE BOXES MAY NOT BE INDICATED ON THE DRAWINGS.
4. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS, APPROVED BY THE ENGINEER, MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED.
5. PROVIDE ALL NECESSARY COMPONENTS REQUIRED FOR MAKING FINAL CONNECTION OF ALL EQUIPMENT INSTALLED AS PART OF THIS CONTRACT.
6. ALL INDICATION AND CONTROL WIRING IN JUNCTION BOXES SHALL BE WIRED TO NUMBERED TERMINAL STRIPS AND IDENTIFIED AS TO START AND END OF RUN.
7. ALL ELECTRICAL EQUIPMENT INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL BE INSTALLED WITH IN A 1/4" SPACE BETWEEN THE EQUIPMENT AND THE MOUNTING SURFACE. SPACERS SHALL BE STAINLESS STEEL, PVC OR NYLON.
8. ALL JUNCTION AND PULL BOXES SHALL BE LABELED WITH THEIR VOLTAGE AND USAGE.
9. DRAWINGS ARE DIAGRAMMATIC, ACTUAL LOCATION OF EQUIPMENT TO BE DETERMINED IN THE FIELD. NEW EQUIPMENT SHALL FIT INTO AVAILABLE SPACE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE EQUIPMENT WHICH MEETS THE SPACE REQUIREMENT.
10. UNLESS OTHERWISE NOTED ALL SINGLE PHASE BRANCH CIRCUITS SHAL BE #12, #126 IN 3" C. ALL THREE PHASE BRANCH CIRCUITS SHALL BE 3#12, #126, IN 3/4" C.

CONTRACTOR SHALL SUBMIT A LIST OF ALL MAJOR EQUIPMENT AND FIXTURES TO THE ENGINEER FOR REVIEW AND APPROVAL. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT THE PERMISSION OF THE ENGINEER IN WRITING. ALL EQUIPMENT SHALL BE NEW AND BEAR THE MANUFACTURER'S NAME AND TRADE NAME. ALL EQUIPMENT SHALL BE UL LISTED.
11. ALL CONDUITS IN FINISHED AREAS SHALL RUN CONCEALED UNLESS OTHERWISE NOTED.
12. THE CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING LOADS AND CORRECTLY PHASING THE CIRCUITS IN PANELBOARDS.
13. ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT ARE BASED ON EQUIPMENT SPECIFIED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL SHOP DRAWINGS PRIOR TO ORDERING AND INSTALLING EQUIPMENT.
14. UNLESS OTHERWISE NOTED ALL 20 AMP SINGLE PHASE BRANCH CIRCUITS FOR RECEPTACLES AND LIGHTING FIXTURES SHALL BE INCREASED IN SIZE AS LISTED BELOW FROM THE PANEL TO THE LAST DEVICE OR FIXTURE FOR VOLTAGE DROP.
 - a. 120V CIRCUIT UP TO 100FT, #12
 - b. 120V CIRCUIT UP TO 180FT, #10
 - c. 120V CIRCUIT UP TO 280FT, #8
 - d. 277V CIRCUIT UP TO 170FT, #12
 - e. 277V CIRCUIT UP TO 280FT, #10
 - f. 277V CIRCUIT UP TO 450FT, #8
 ALL BRANCH CIRCUITS IN EXCESS OF DISTANCES LISTED CONSULT ENGINEER PRIOR TO INSTALLATION.
15. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE SETTING SWITCHES. INSTALL SWITCHES ON THE LOCK SIDE OF DOORS 4 FEET AFF, UNLESS OTHERWISE NOTED.
16. WHERE ELECTRICAL INSTALLATIONS DEPEND UPON WORK OF OTHER TRADES, THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT NECESSARY INSTRUCTIONS, TEMPLATES, MATERIALS, ETC. ARE PROVIDED AND SUPERVISE THE WORK OF THE OTHER TRADES FOR QUALITY AND CODE COMPLIANCE.
17. CABLE TRAY INSTALLATION SHALL BE COORDINATED IN FIELD WITH OTHER TRADES.
18. CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE THE EXISTING CONDITIONS THAT MAY AFFECT HIS WORK.
19. CONTRACTOR SHALL OBTAIN A WRITTEN PERMISSION FROM THE OWNER TO DE-ENERGIZE ANY ENERGIZED BUILDING EQUIPMENT OR DISRUPT ANY COMMUNICATION LINE 10 DAYS PRIOR TO THE SCHEDULED SHUTDOWN.
20. OPENINGS AND PASSAGE OF CONDUITS OR WIREWAYS THROUGH FLOOR SLABS AND FIRE RATED WALLS OR PARTITIONS SHALL BE PROVIDED WITH UL LISTED FIRE RATED SLEEVING SYSTEMS AS MANUFACTURED BY PROSET SYSTEMS INC.
21. DO NOT INSTALL MORE THAN THREE SINGLE PHASE CIRCUITS IN ONE HOMERUN UON.
22. NUMBER ADJACENT TO LIGHT, RECEPTACLE OR OTHER DEVICES INDICATE PANEL SERVING THE DEVICE OR EQUIPMENT AND CIRCUIT NUMBER. PROVIDE COMPLETE WIRING IN CONDUIT.
23. SERIES RATING OF CIRCUIT BREAKERS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY INDICATED ON CONTRACT DRAWINGS.
24. ALL VFDS SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER DIVISION 26 UNLESS OTHERWISE NOTED.
25. ALL WORK SHOWN ON THE DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
26. SUBMIT DUCTBANKS AND MANHOLE PROFILE AND PLAN DRAWINGS FOR APPROVAL BY THE ENGINEER. DUCTBANK AND MANHOLE SHALL COORDINATE WITH OTHER NEW UTILITIES. DUCTBANK PROFILES ARE INDICATED ON CIVIL DRAWINGS. MODIFY PROFILES TO SUIT EXISTING CONDITIONS. INCREASE DEPTH OF THE MANHOLE IF REQUIRED TO SUIT DUCTBANK INSTALLATION.
27. CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO ELECTRICAL SERVICE WITH UTILITY COMPANY AND OBTAIN APPROVAL BEFORE INSTALLATION.
28. CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO TELEPHONE SERVICE WITH TELEPHONE COMPANY AND OBTAIN APPROVAL BEFORE INSTALLATION.
29. PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT TO FACILITATE PULLING OF CABLES IN FUTURE.
30. ALL RECEPTACLES IN SHOP AREA SHALL BE 48" AFF. ALL RECEPTACLES AND SWITCHES INDICATED AS FREE STANDING SHALL BE INSTALLED ON CHANNELS. ALL RECEPTACLES LOCATED IN MECHANICAL RM, ELECTRICAL RM, JANITOR'S CLOSET, BATH ROOMS AND WITHIN 6' OF KITCHEN SINK SHALL BE GFITYPE UON.
31. ALL ELECTRICAL EQUIPMENT LOCATED OUTDOORS SHALL HAVE NEMA 4X ENCLOSURE UON.
32. ALL 120V CIRCUITS AND 277V CIRCUITS SHALL HAVE SEPARATE NEUTRALS.
33. ALL TRANSFORMERS WINDINGS AND PANEL BUSSES SHALL BE COPPER UON.
34. ALL OUTDOOR UNDERGROUND CONCRETE ENCASED CONDUITS SHALL BE PVC SCHEDULE 40 UON.
35. ALL OUTDOOR UNDERGROUND DIRECT BURIED CONDUITS SHALL BE SCHEDULE 80 UON.
36. MINIMUM CONDUIT SIZE SHALL BE 3 / 4".
37. MINIMUM WIRE SIZE SHALL BE #12 AWG.
38. PROVIDE SYSTEM GROUNDING CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTORS IN ACCORDANCE WITH NEC-250, UON.

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 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS			LEWES PARK & RIDE AND SITE WORK		CONTRACT	BRIDGE NO.	ELECTRICAL GENERAL NOTES	SHEET NO.
				T200612502	DESIGNED BY: MSM/SMC		59		
				COUNTY	CHECKED BY: AP		TOTAL SHTS.		
				SUSSEX			72		

GENERAL NOTES:

- SEE DRAWING E-001 THRU E-003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- SEE DRAWING E-501 FOR SINGLE LINE DIAGRAM.
- SEE DRAWING E-701 FOR LIGHTING FIXTURE SCHEDULE.
- SEE LIGHTING PLANS FOR CANOPY AND EXTERIOR BUILDING FIXTURES MOUNTED.
- PRIMARY AND SECONDARY SERVICE LATERALS INCLUDING THE PAD MOUNTED SERVICE TRANSFORMER AND PAD ARE PROVIDED AND INSTALLED BY DEC. CONTRACTOR SHALL COORDINATE THIS INSTALLATION WITH DEC ONCE THE SITE IS GRADED TO WITHIN 6" OF FINAL GRADE.
- DUCT BANK ROUTING SHOWN IS SUGGESTED, CONTRACTOR SHALL COORDINATE ROUTE WITH OTHER UTILITIES AND CABLE BENDING RADIUS REQUIREMENTS.
- ALL HAND HOLES SHALL BE AS SHOWN ON DETAIL 7 ON SHEET E-601, UON.
- ALL HAND HOLES SHALL BE INSTALLED IN AREAS NOT SUBJECT TO VEHICULAR TRAFFIC.
- ALL GROUND ENTRY AND EXIT LOOPS SHALL HAVE A 3/4" STUB UP TO EACH LOCAL GATE OPERATOR FOR CABLE CONNECTIONS.
- CONCRETE PEDESTAL MOUNTED DUAL PORT LEVEL 2 CHARGING STATION: ADA COMPLIANT, BRUSHED STAINLESS STEEL CONSTRUCTION, COIL CORD CABLE MANAGEMENT WITH WEATHERPROOF DISPLAY. PROVIDE SYSTEM WITH THE FOLLOWING ETHERNET BASED CONNECTIVITY FEATURES:
 - REPORTING: MAINTAIN USAGE STATISTICS PER STATION.
 - RATE MANAGEMENT: STATION OWNERS MAY SET THE HOURLY FEE FOR CREDIT CARD BILLING.
 - ACCESS MANAGEMENT: STATIONS CAN BE CONFIGURED TO ACCESS CARDS, CREDIT CARDS OR FREE CHARGING.
 - HOURS OF OPERATION: STATION CAN BE CONFIGURED FOR TIME OF DAY OPERATION.
 PV CHARGING STATION BASIS OF DESIGN SHALL BE A MODEL *PS2000 AS MANUFACTURED BY PEP STATIONS/HUBBELL OR EQUAL.
- SEE LIGHTING PLANS FOR ADDITIONAL BUILDING AND CANOPY MOUNTED FIXTURES.
- COORDINATE EXACT STUB-UP LOCATIONS AND REQUIRED CONNECTIONS FOR EACH FUEL TANK WITH MANUFACTURERS APPROVED SHOP DRAWINGS PRIOR TO INSTALLATION OF CONDUITS.

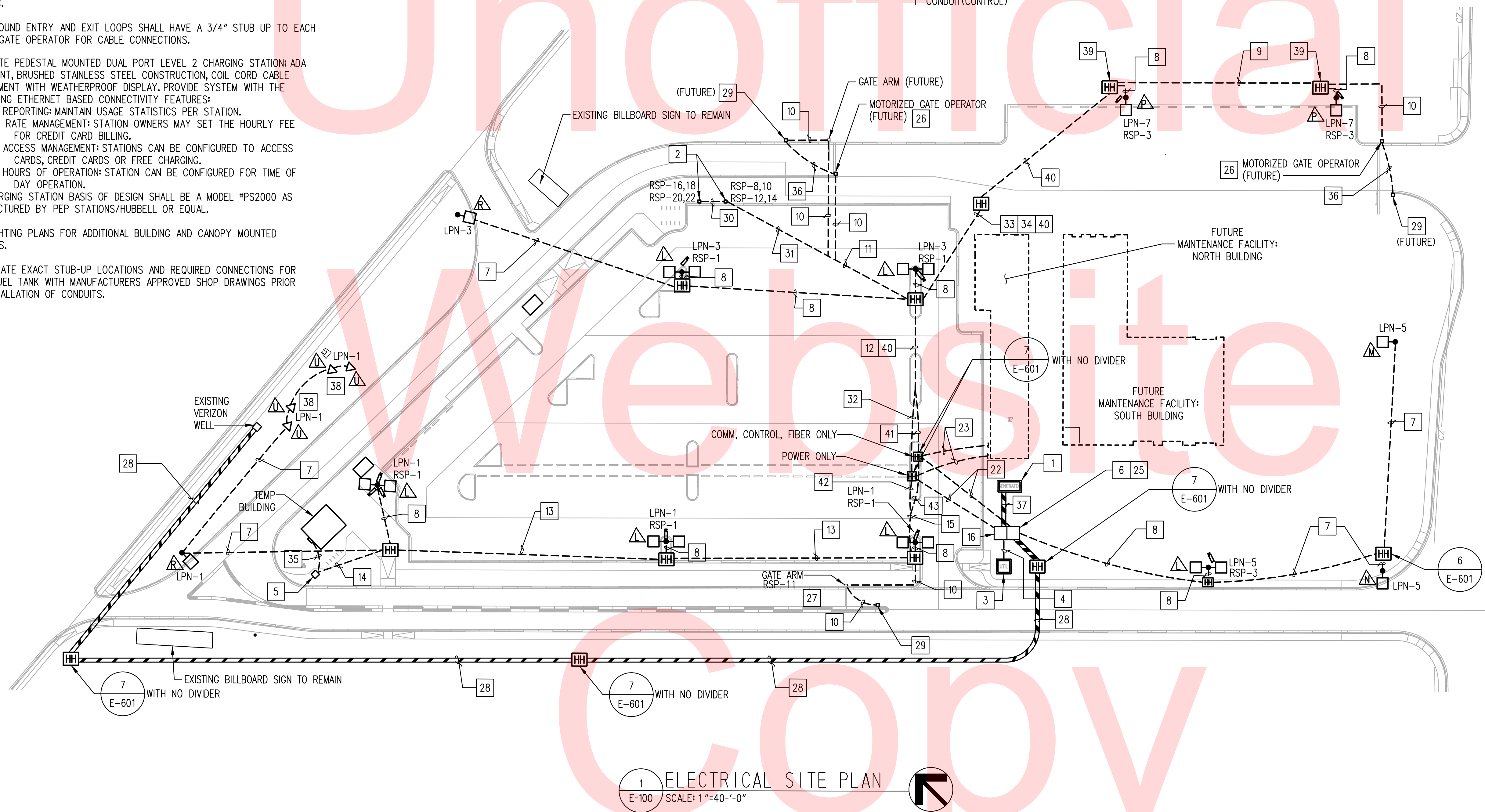
- SEE DRAWING E-608 FOR CCTV CAMERA MOUNTING AND INSTALLATION DETAILS.
- ALL SITE LIGHTING CIRCUITS SHALL BE CONNECTED TO AND CONTROLLED WITH TIMECLOCK OVER RIDE TO INTERNAL PHOTOCCELL.
- PROVIDE PULL STRING IN ALL EMPTY POWER CONDUITS AND CONDUITS FOR CONTROL, DATA AND FIBER.
- KEEP A MINIMUM OF 6" OF SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUIT.
- HANDHOLE CONDUIT ENTRY POINTS SHOWN ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE ALL CONDUIT ENTRY POINTS WITH DIVIDERS IN HANDHOLES. PROVIDE ADDITIONAL CONDUIT BENDS NOT SHOWN AS REQUIRED FOR PROPER ENTRY AND EXIT LOCATIONS TO MAINTAIN PROPER SEPARATION.

SPECIFIC NOTES:

- EMERGENCY GENERATOR.
- PV CHARGING STATIONS. SEE GENERAL NOTE 10.
- PROPOSED LOCATION UTILITY TRANSFORMER EXACT LOCATION BY DEC.
- 3°C SECONDARY SERVICE TO ATS.
- TRANSFORMER AND DISCONNECT SWITCHES FOR TEMPORARY BUILDING. PROVIDE APPROPRIATE SUPPORT STRUCTURES.
- UTILITY BUILDING. SEE DRAWING E-301.
- (1) 1" CONDUIT (POWER)
- (1) 1" CONDUIT (POWER), (1) 1" CONDUIT (FIBER)
- (2) 1" CONDUIT (POWER), (1) 1" CONDUIT (FIBER), 1" CONDUIT (CONTROL)
- (1) 1" CONDUIT (POWER), (1) 1" CONDUIT (CONTROL)
- (2) 1 1/4" CONDUIT (POWER), (2) 1" CONDUIT (CONTROL), (1) 1" CONDUIT (DATA)
- (2) 1 1/4" CONDUIT (POWER), (5) 1" CONDUIT (POWER), (2) 1" CONDUIT (CONTROL), (1) 1" CONDUIT (FIBER), (1) 1" CONDUIT (DATA)
- (1) 2" CONDUIT (POWER), (1) 1" CONDUIT (POWER), (1) 2" CONDUIT (DATA), (1) 1" CONDUIT (FIBER)
- (1) 2" CONDUIT (POWER), (1) 2" CONDUIT (DATA)
- (1) 2" CONDUIT (POWER), (1) 2" CONDUIT (DATA), (2) 1" CONDUIT (POWER), (1) 1" CONDUIT (FIBER), (1) 1" CONDUIT (CONTROL)
- MAIN ELECTRICAL RM.

SPECIFIC NOTES:

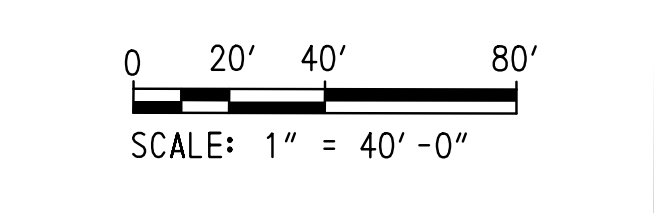
- (2) 1" CONDUIT (CONTROL), (1) 1" CONDUIT (FIBER), (1) 1" CONDUIT (DATA)
- (1) 2" CONDUIT (DATA), (1) 1" CONDUIT (FIBER), (1) 1" CONDUIT (CONTROL)
- (1) 2" CONDUIT (POWER), (2) 1 1/4" CONDUIT (POWER), (7) 1" CONDUIT (POWER)
- (3) 1" CONDUIT (POWER)
- (1) 1" CONDUIT (FIBER), (1) 1" CONDUIT (CONTROL)
- ROUTE [17][18][21] TO COMMUNICATIONS RM. ROUTE [19][20] TO ELECTRICAL RM.
- (1) 2", (2) 1 1/4" AND (10) 1" SPARE CONDUITS FROM POWER ONLY HANDHOLE. (1) 2" AND (8) 1" SPARE CONDUITS FROM COMMUNICATIONS ONLY HANDHOLE. EXTEND ALL CONDUITS UNDERGROUND AS SHOWN TO 12" PAST CURB LINE AND CAP FOR FUTURE EXTENSION TO FUTURE MAINTENANCE BUILDING.
- (1) 4" CONDUIT-FEED TO PANEL "MDPS", (1) 1" CONDUIT FIRE ALARM CONCRETE ENCASED. SEE DETAIL 8/E-601.
- COMMUNICATIONS ROOM.
- 1" CONDUIT STUB UP TO GATE AND OR ARM OPERATOR.
- PROVIDE EXIT LOOP CONNECTED TO GATE OPERATOR. COORDINATED REQUIREMENTS WITH GATE MANUFACTURER WITH 1" CONDUIT STUB UP TO GATE AND OR ARM OPERATOR.
- (2) 4" C WITH PULL STRING FOR VOICE/DATA UTILITY SERVICE. COORDINATE SERVICE REQUIREMENTS WITH DELDOT AND VERIZON. SEE DETAIL 4/E-601.
- GATE, READER ACCESS CONTROL. PROVIDE CONDUIT TURN UP. SEE DRAWING E-609 FOR INSTALLATION DETAILS.
- (1) 1 1/4" CONDUIT (POWER), (1) 1" CONDUIT (DATA).
- (2) 1 1/4" CONDUIT (POWER), (2) 1" CONDUIT (DATA).
- (2) 1 1/4" AND (8) 1" CONDUITS (POWER).
- (1) 1" CONDUIT (POWER) FUTURE GAS TANK PUMPS.
- (1) 1" CONDUIT (POWER) FUTURE DIESEL TANK PUMPS.
- 1 1/4" CONDUIT (POWER) COORDINATE STUB UP LOCATION WITH TRAILER MANUFACTURER.
- 1" CONDUIT (CONTROL).
- GENERATOR DUCTBANK. SEE DETAIL 5/E-601.
- NEW SIGN ILLUMINATED WITH (2) TYPE "U" FLOOD LIGHTS MOUNTED ON THREADED RGS PIPE 1'-0" ABOVE GRADE. LOCATE FIXTURES 10'-0" FROM SIGN AND 1'-0" FROM EDGE ON EACH SIDE. FIELD ADJUST PITCH ANGLE FOR OPTIMAL UNIFORM SURFACE LIGHT LEVEL.
- HANDHOLE INSTALLED IN 2' WIDE STONE AREA. REDUCE BOX DIMENSIONS SHOWN ON DETAIL 7/E-601 TO 16"x22". TOP OF BOX TO BE 1" ABOVE STONE GRADE.
- (2) 1" CONDUIT (POWER) (1) 1" CONDUIT (POWER) FROM PANEL RSP FOR FUTURE PROPANE DISP., (1) 1" CONDUIT FIBER, 1" CONDUIT (CONTROL).
- (1) 1" CONDUIT (CONTROL), (2) 1" CONDUITS (FIBER), (1) 1" CONDUIT (DATA).
- (1) 2" AND (2) 1" CONDUITS (POWER).
- (1) 2" CONDUIT (DATA), (1) 1" CONDUIT (CONTROL), (1) 1" CONDUIT (FIBER).



1 ELECTRICAL SITE PLAN
E-100 SCALE: 1"=40'-0"

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ADDENDUMS / REVISIONS	



CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: MSM/SMC
	CHECKED BY: AP

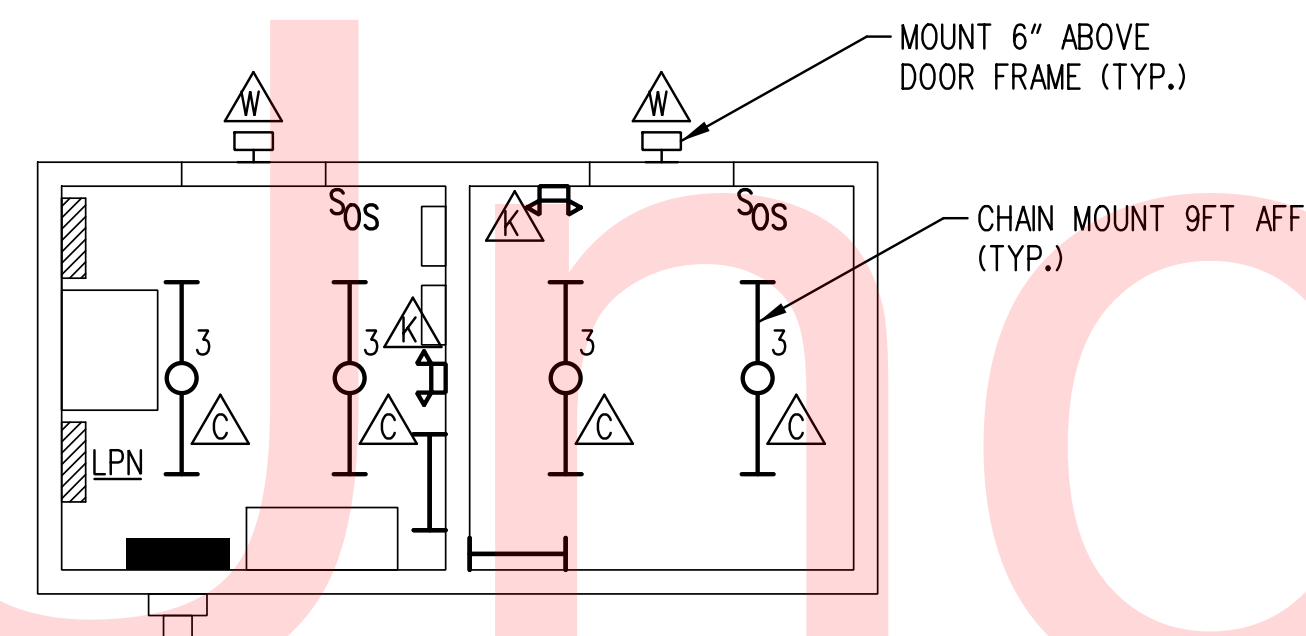
ELECTRICAL SITE PLAN	SHEET NO. 61
	TOTAL SHTS. 72

GENERAL NOTES:

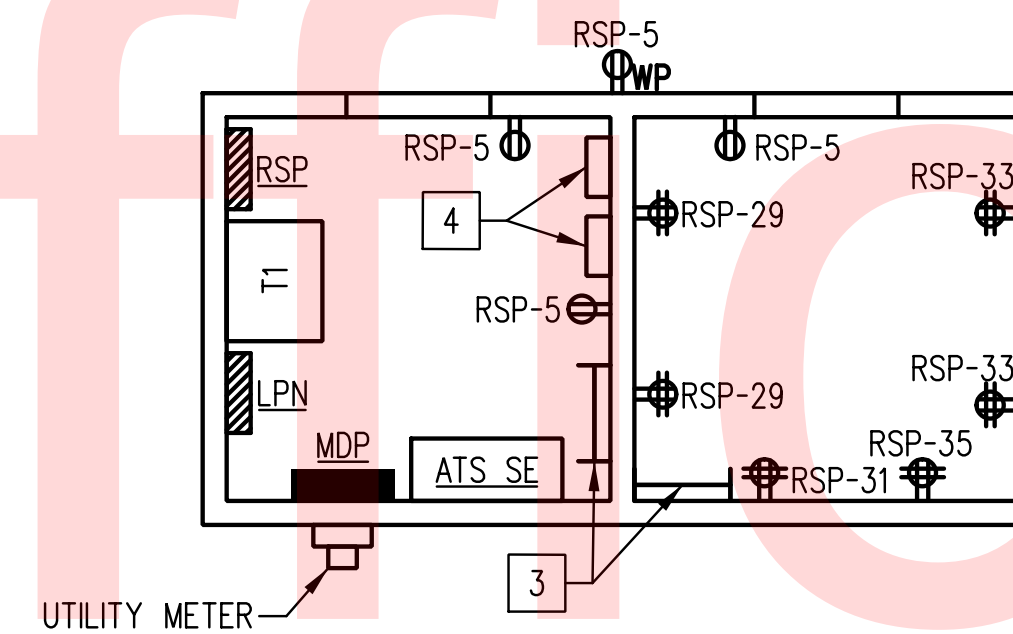
1. SEE DRAWING E-001 THRU E-003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. SEE DRAWING E-603 FOR ADDITIONAL GROUNDING DETAILS.

SPECIFIC NOTES:

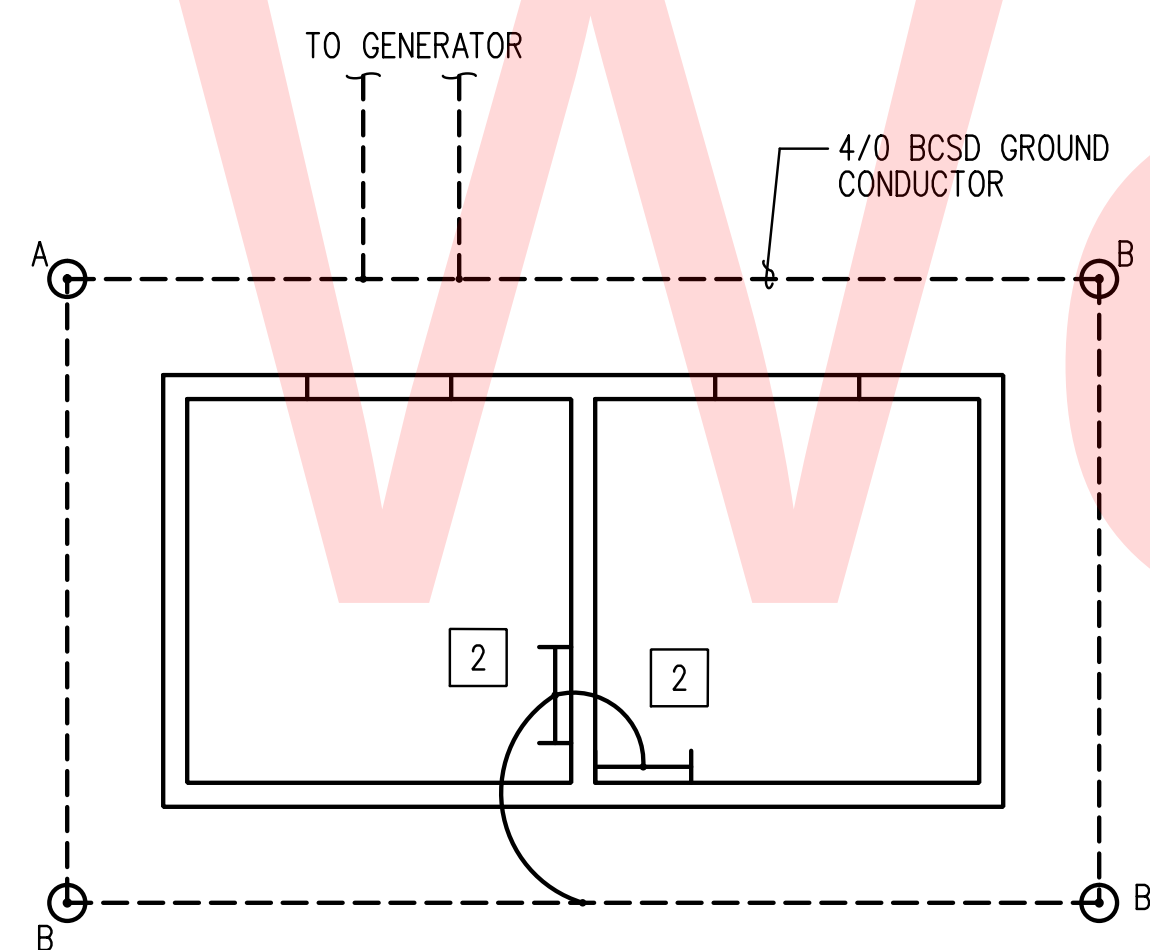
1. ALL GROUNDING MATERIAL SHALL BE UL RATED.
2. ALL CONNECTIONS TO GROUND BUS SHALL BE DONE BY IRREVERSIBLE COMPRESSION TYPE, UL RATED CONNECTORS ON CONDUCTORS AND BOLTED CONNECTION GROUND BUS.
3. GROUND BUS.
4. GAP AND FAAP PANELS. SEE DETAIL 2 / E-604.



1 UTILITY BUILDING PLAN - LIGHTING
E-301 SCALE: 1/4" = 1'-0"



2 UTILITY BUILDING PLAN - POWER
E-301 SCALE: 1/4" = 1'-0"

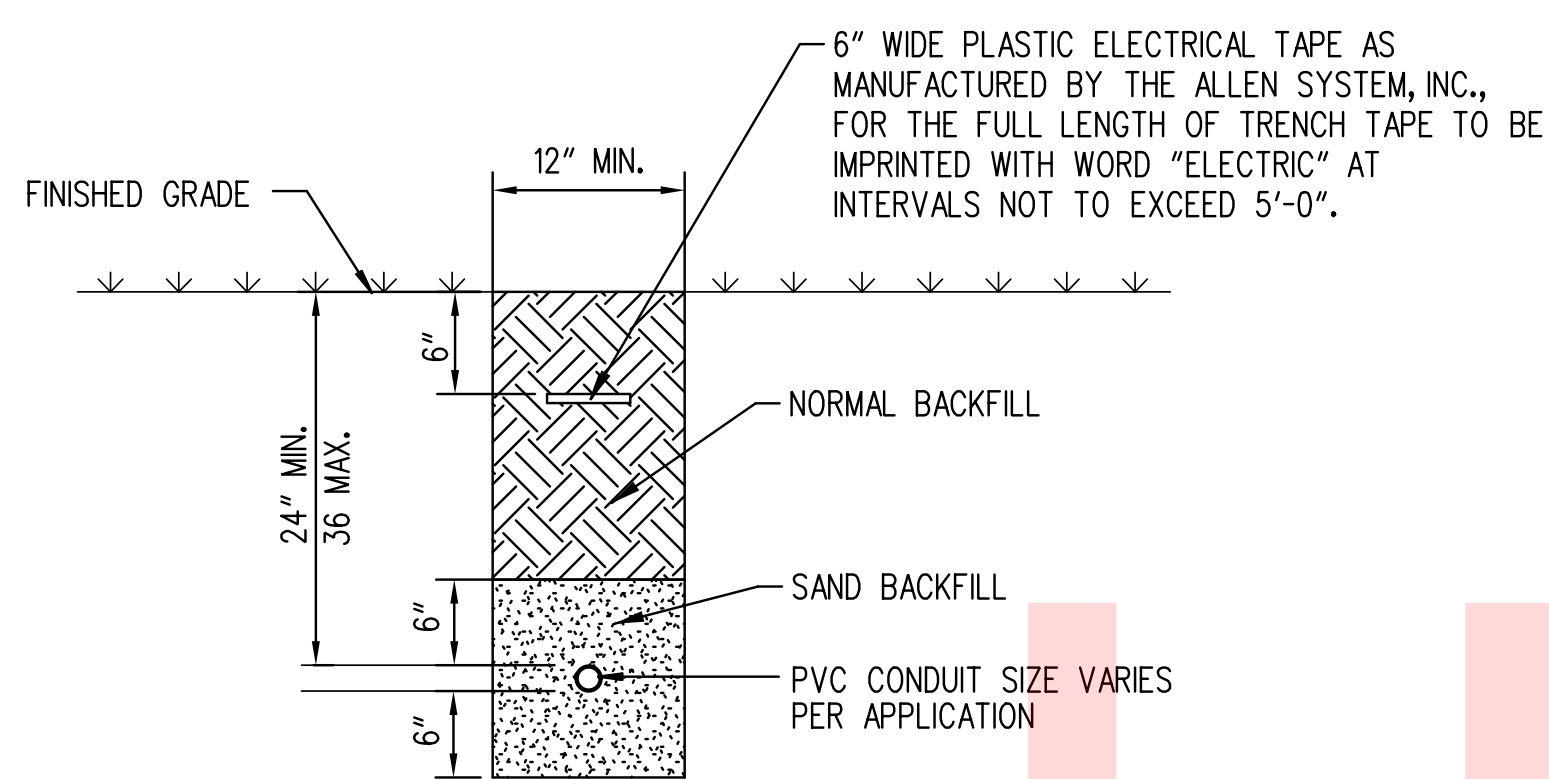


3 UTILITY BUILDING PLAN - GROUNDING
E-301 SCALE: 1/4" = 1'-0"

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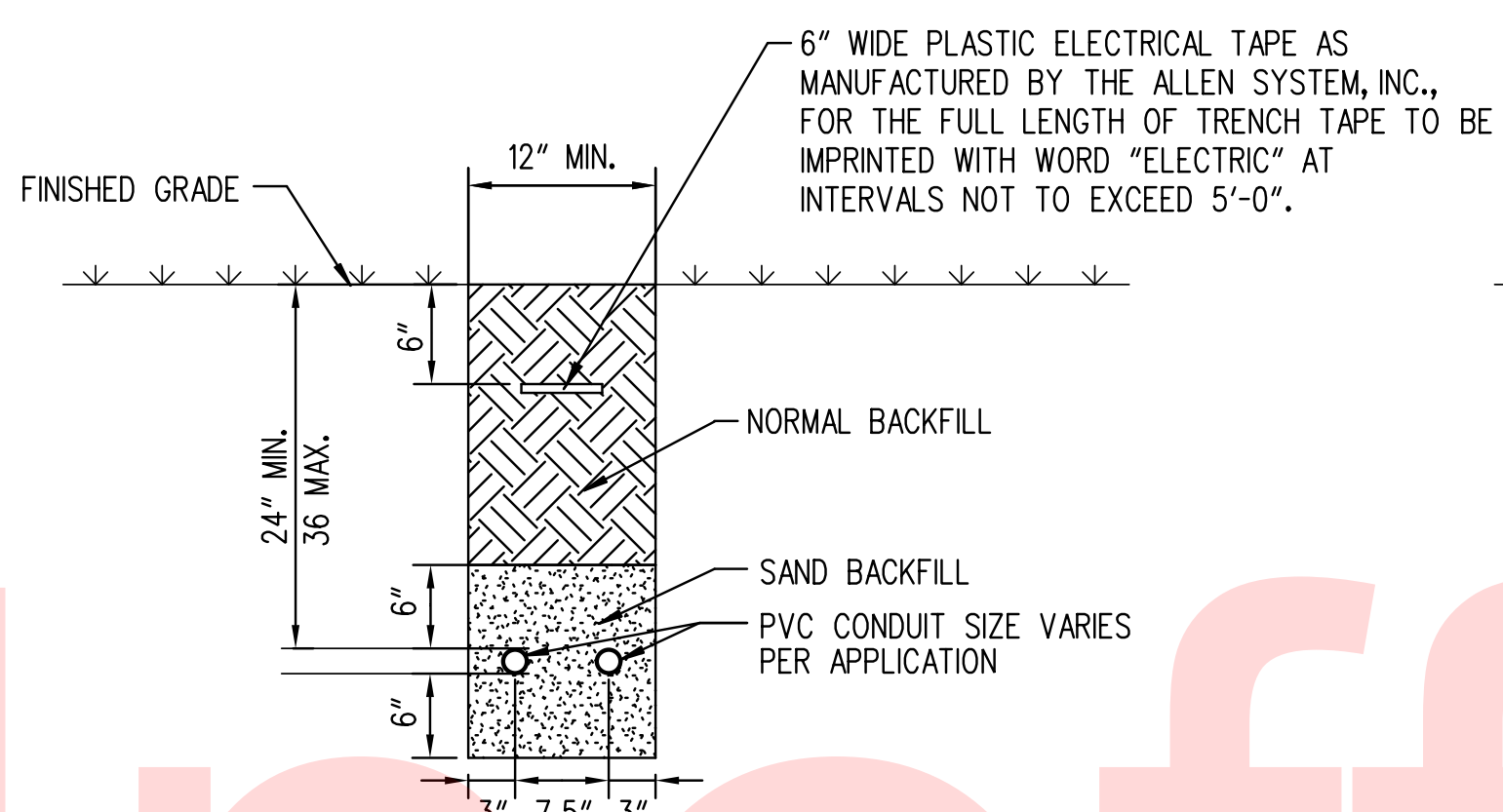
GENERAL NOTES:

- SEE DRAWING E001 THRU E003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



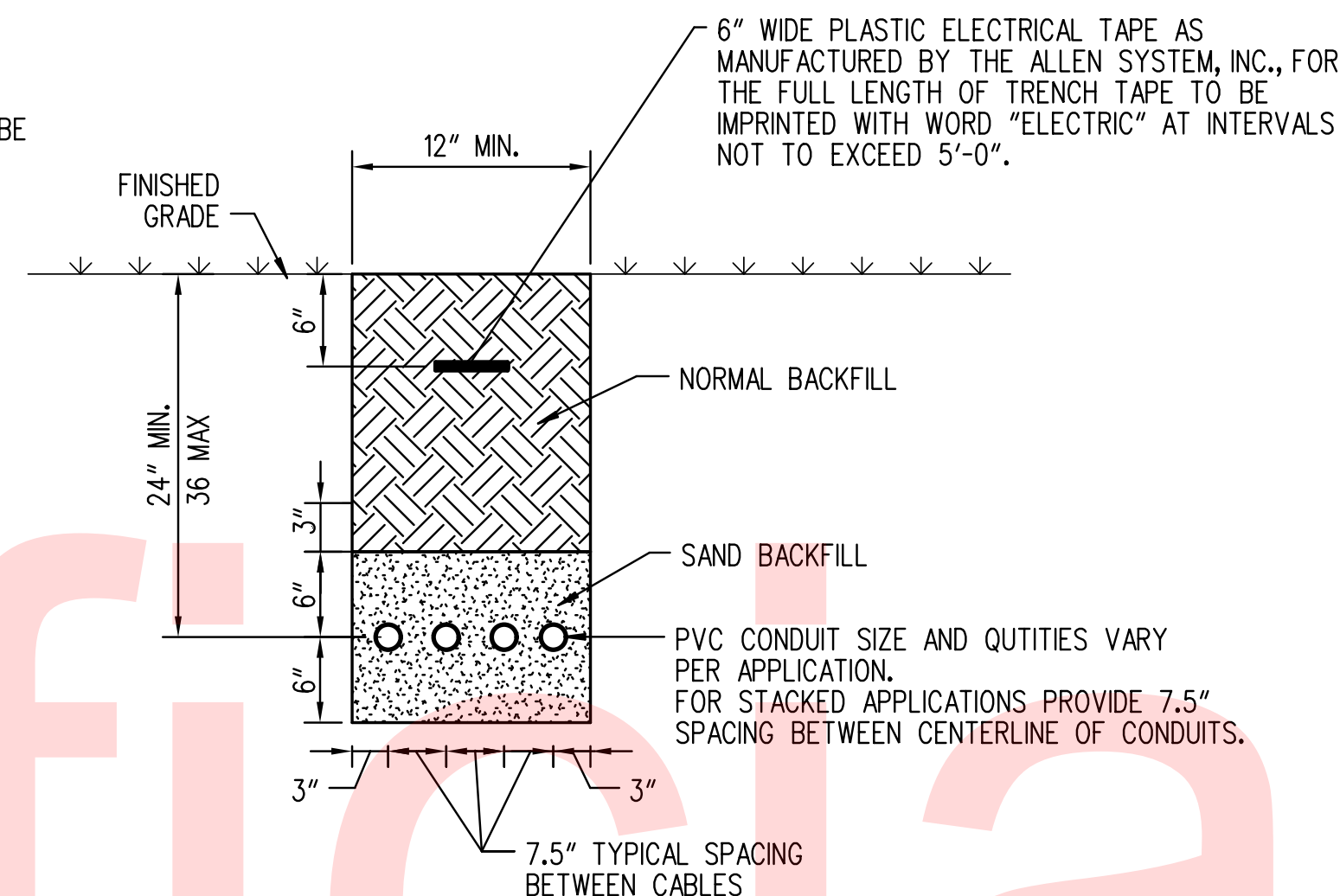
1 SINGLE DIRECT BURIED CONDUIT INSTALLATION DETAIL

E-601 SCALE: NTS



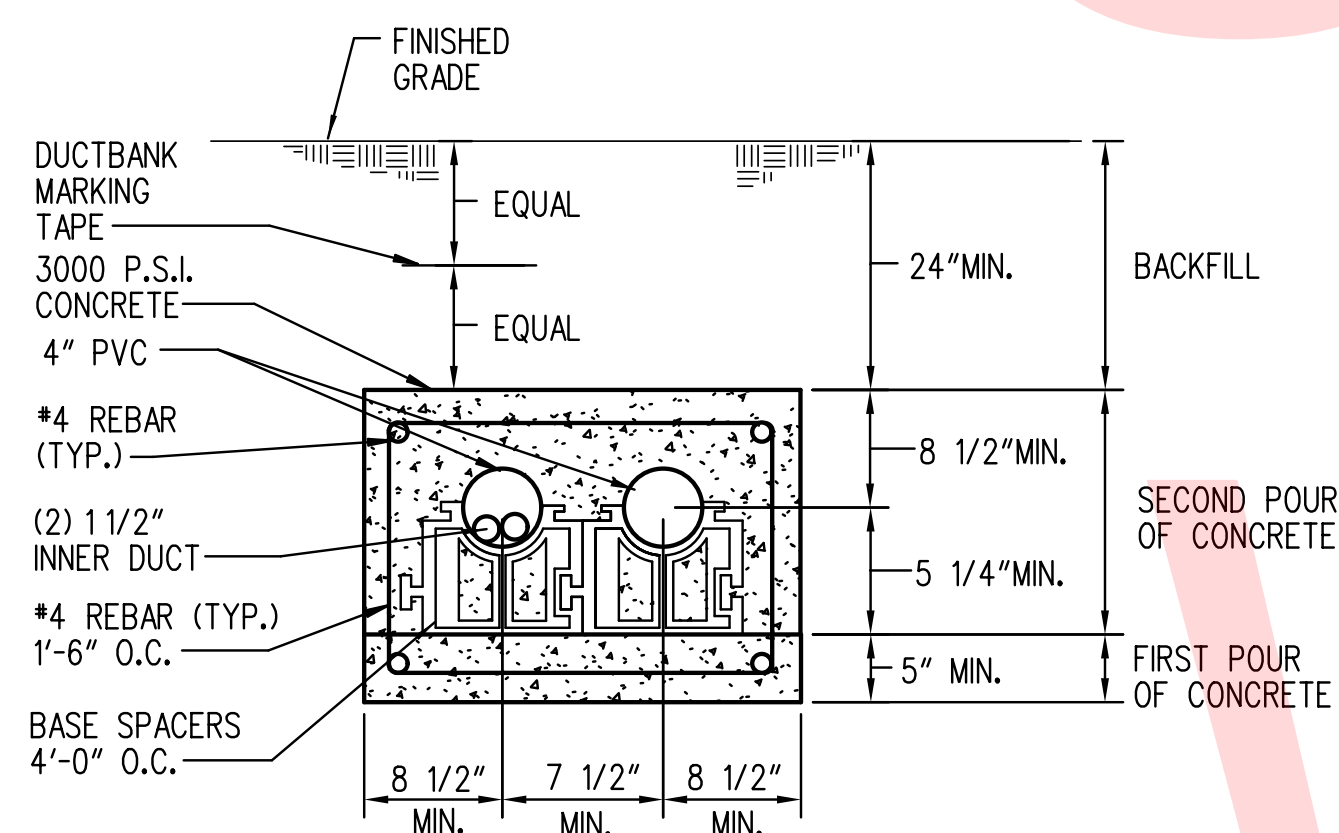
2 2 WAY DIRECT BURIED CONDUIT INSTALLATION DETAIL

E-601 SCALE: NTS



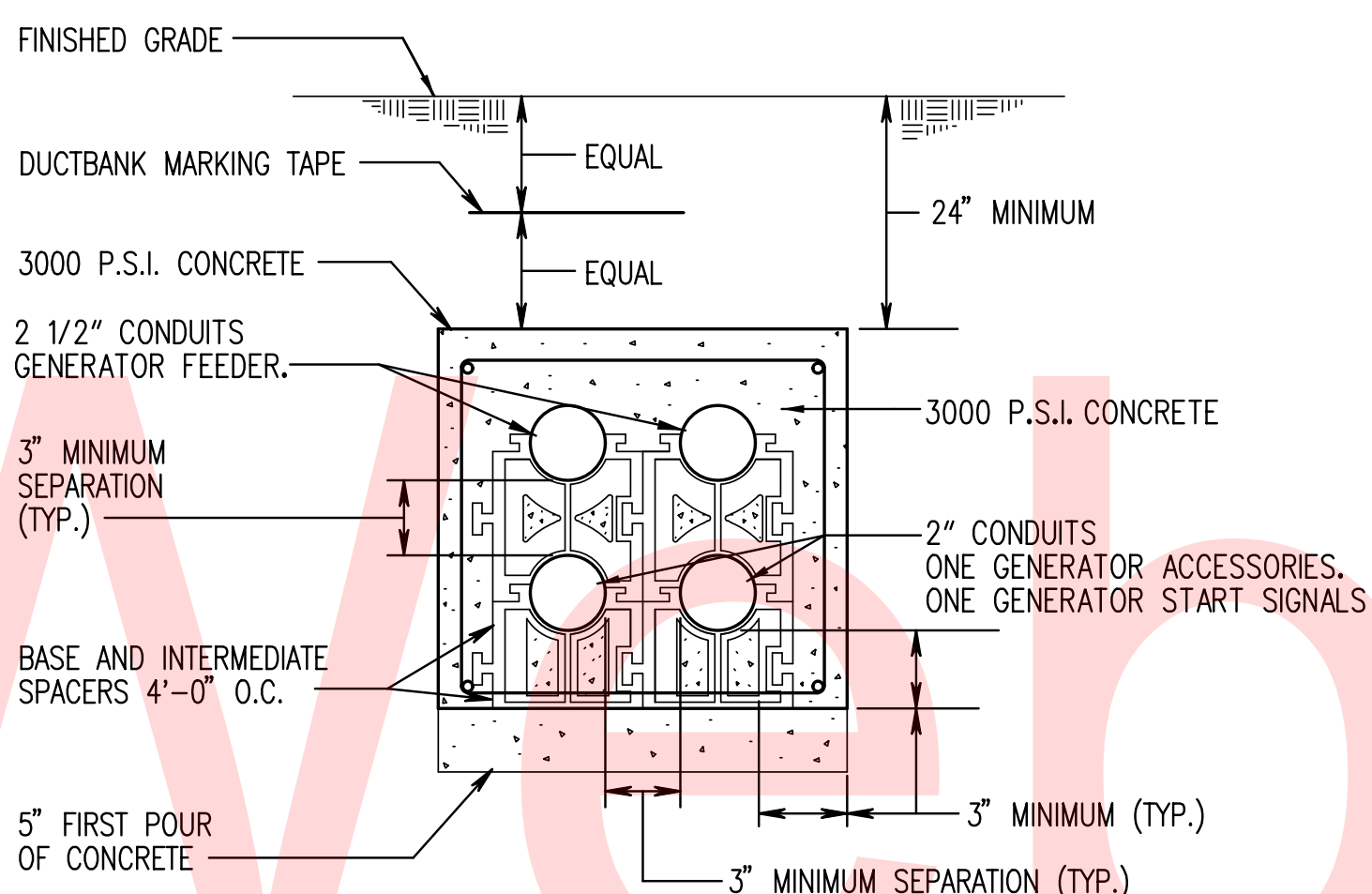
3 MULTIPLE DIRECT BURIED CONDUIT INSTALLATION TYPICAL DETAIL

E-601 SCALE: NTS



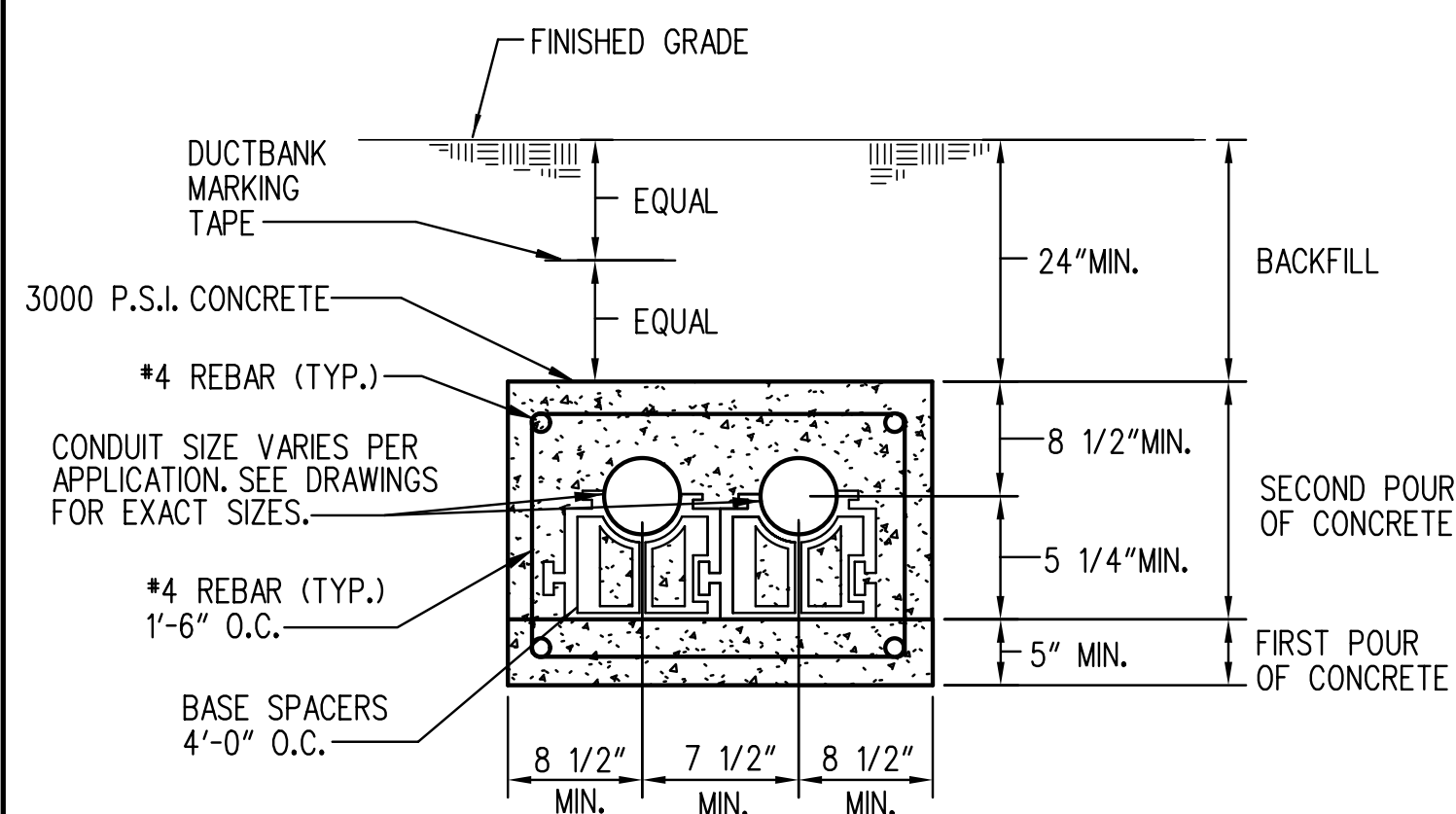
4 DUCTBANK DETAIL TELE/ DATA W/ INNERDUCT

E-601 SCALE: NTS



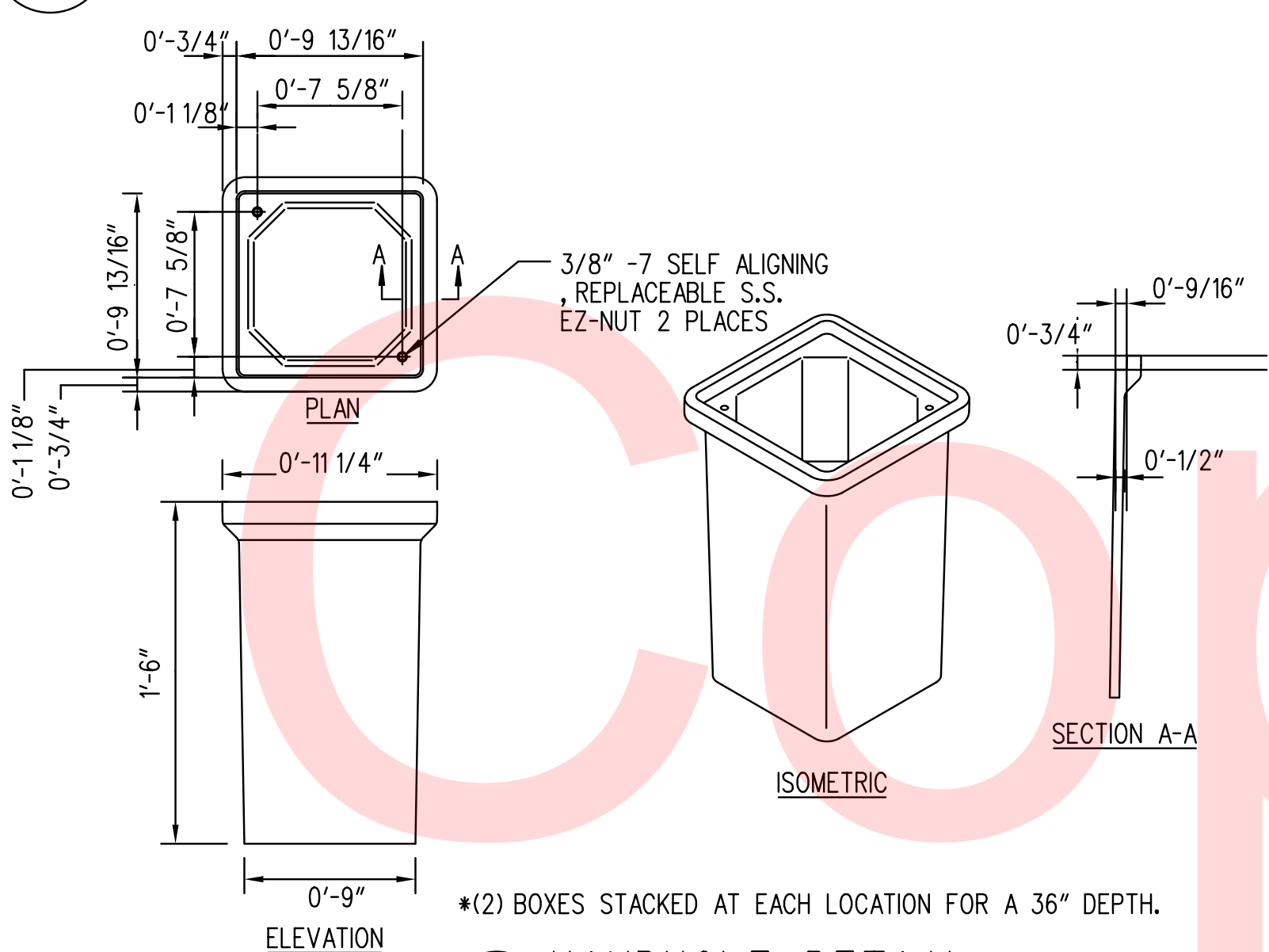
5 GENERATOR POWER/CONTROLS

E-601 SCALE: NTS



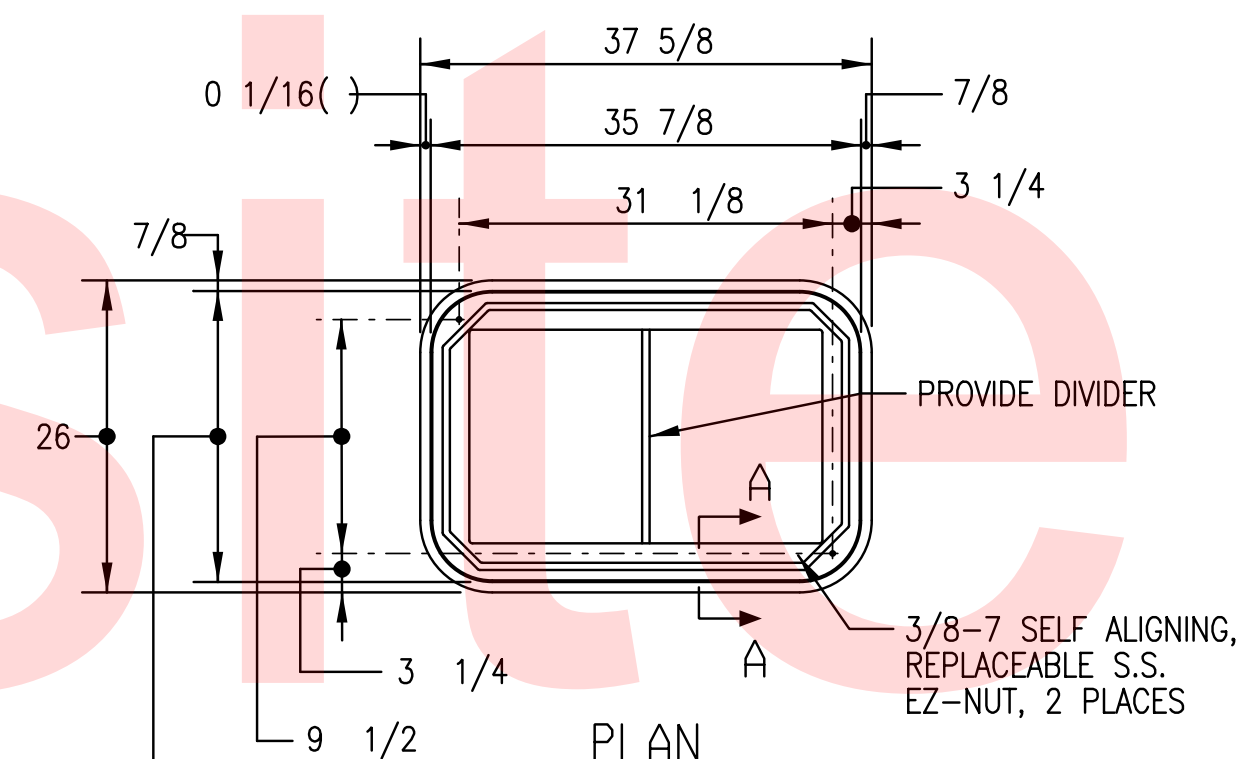
6 TYPICAL TWO WAY DUCTBANK DETAIL

E-601 SCALE: NTS

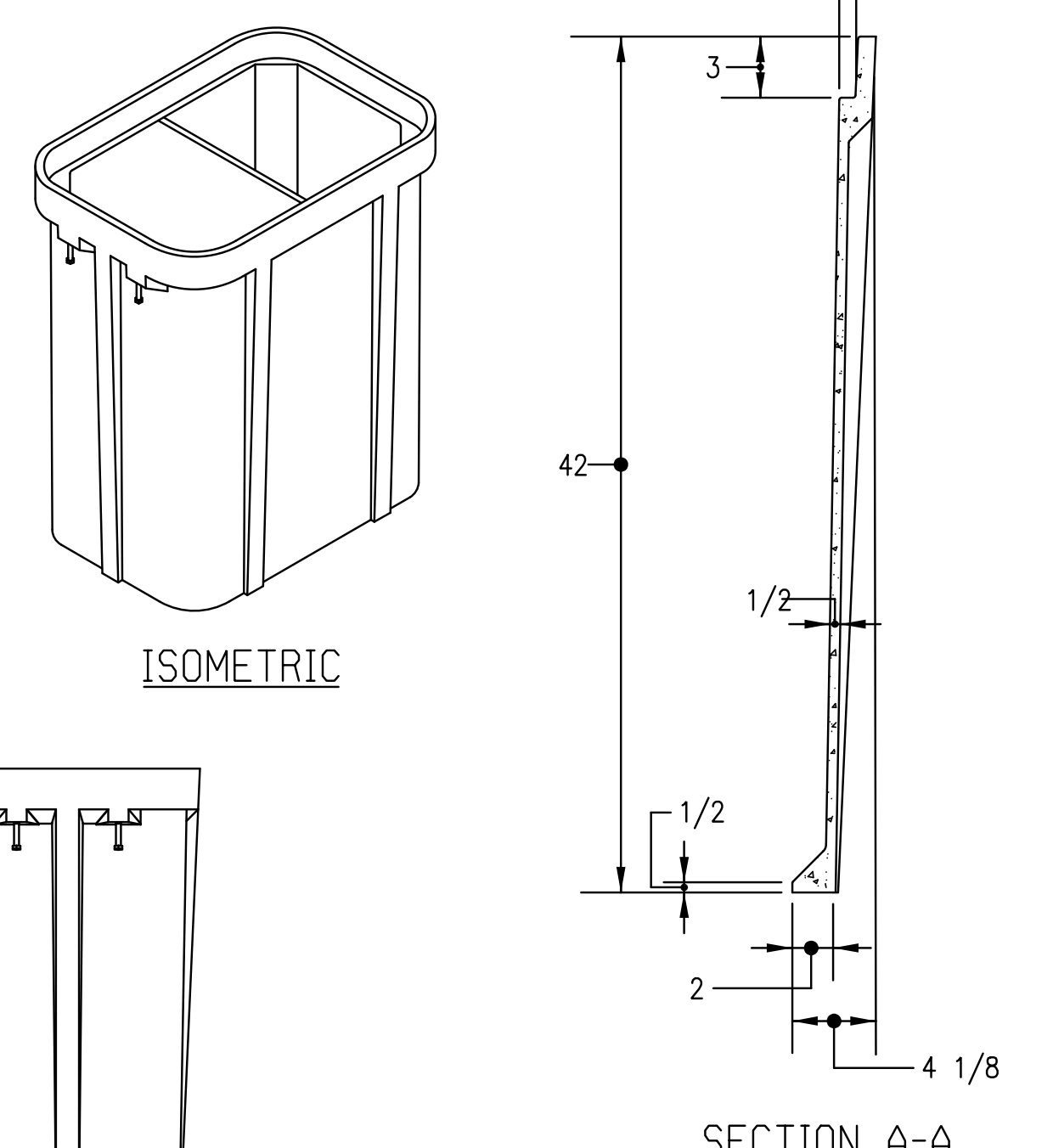


7 DIVIDED HANDHOLE DETAIL

E-601 SCALE: NTS



8 HANDHOLE DETAIL



9 ISOMETRIC

SECTION A-A

NOTE:
1. PROVIDE 2 PIECE COVER;
LOGO 1 : ELECTRIC
LOGO 2 : COMMUNICATIONS

NO 1918-019 CAD/CADD/CP01-90181019E-601.dgn 10/28/2015 10:27:43 AM

ADDENDUMS / REVISIONS	

LEWES PARK & RIDE AND SITE WORK

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: MSM
SUSSEX	CHECKED BY: AP

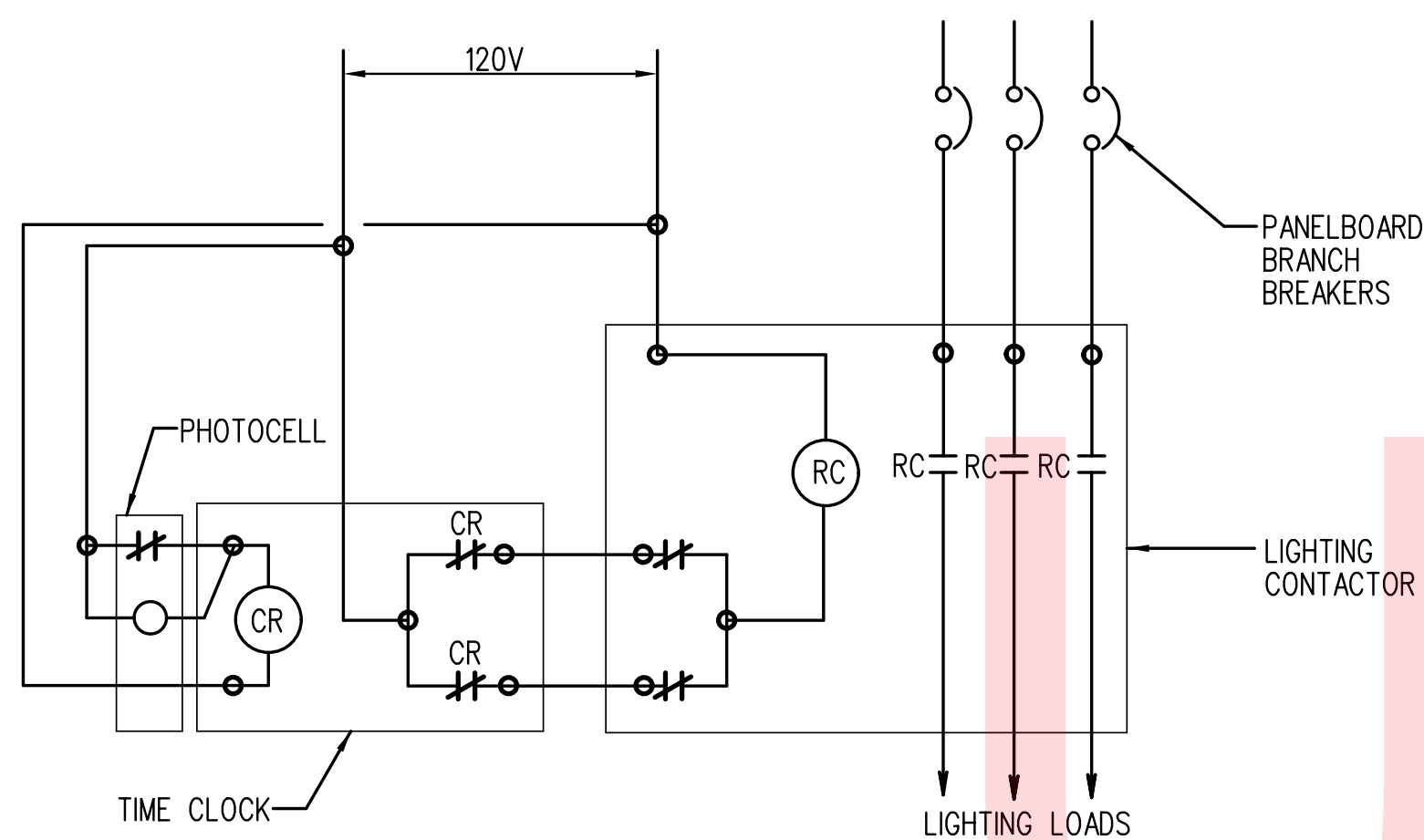
ELECTRICAL DETAILS

SHEET NO.	64
TOTAL SHTS.	72

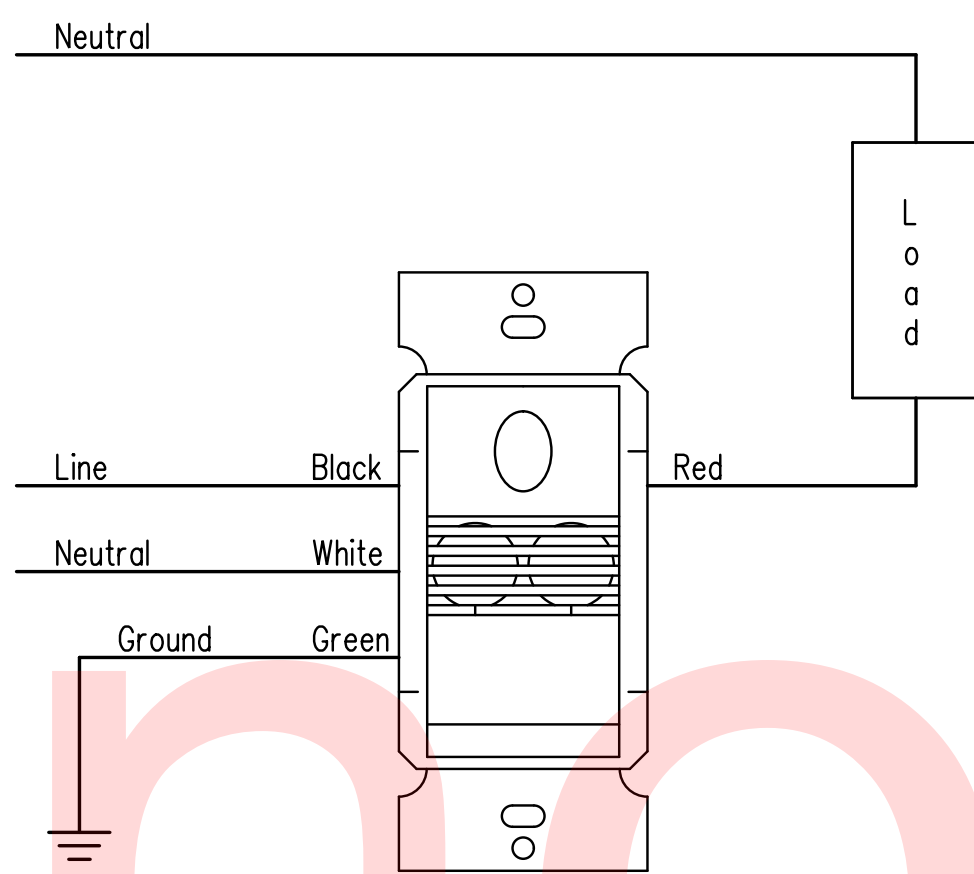
E-601

GENERAL NOTES:

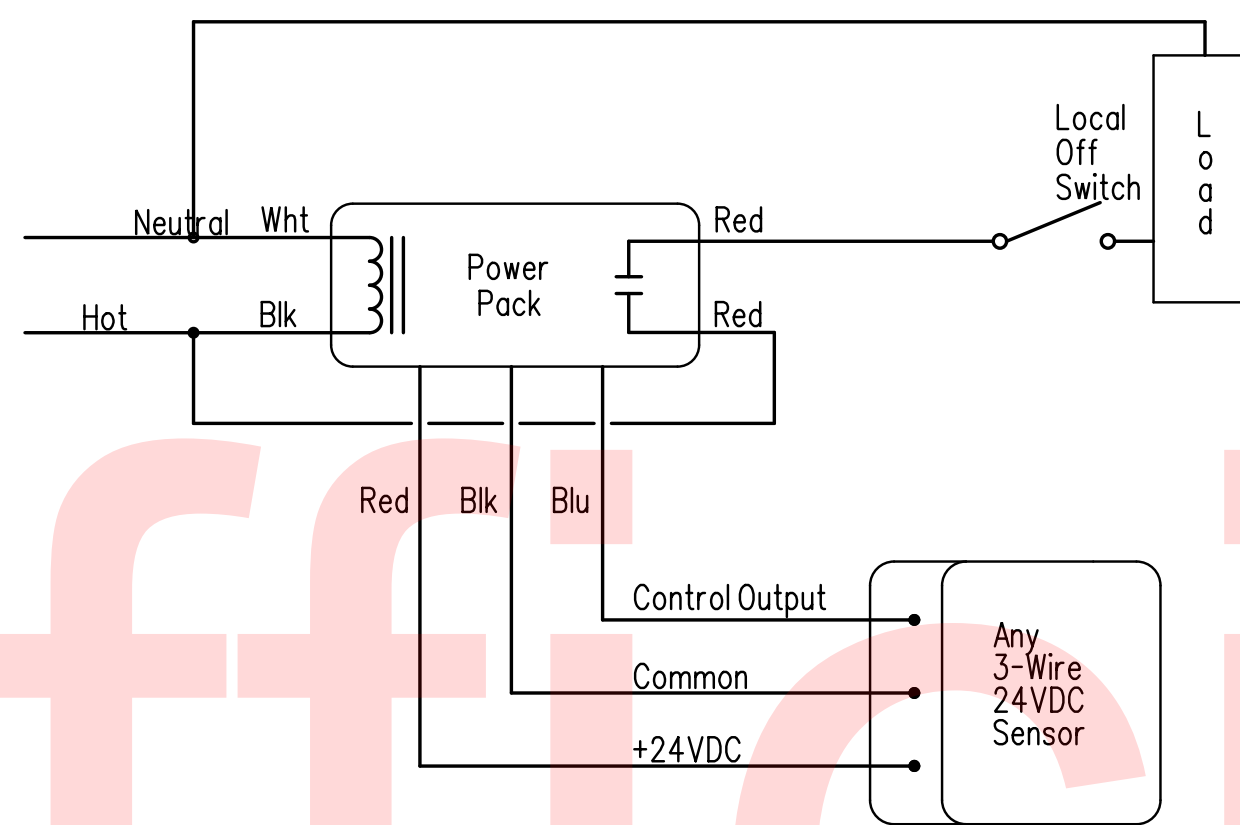
1. SEE DRAWING E-001 THRU E-003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



1 EXTERIOR LIGHTING CONTROL SCHEMATIC
E-602 SCALE: NTS



2 WALL MOUNTED SENSOR AND SWITCH DIAGRAM
E-602 SCALE: NTS



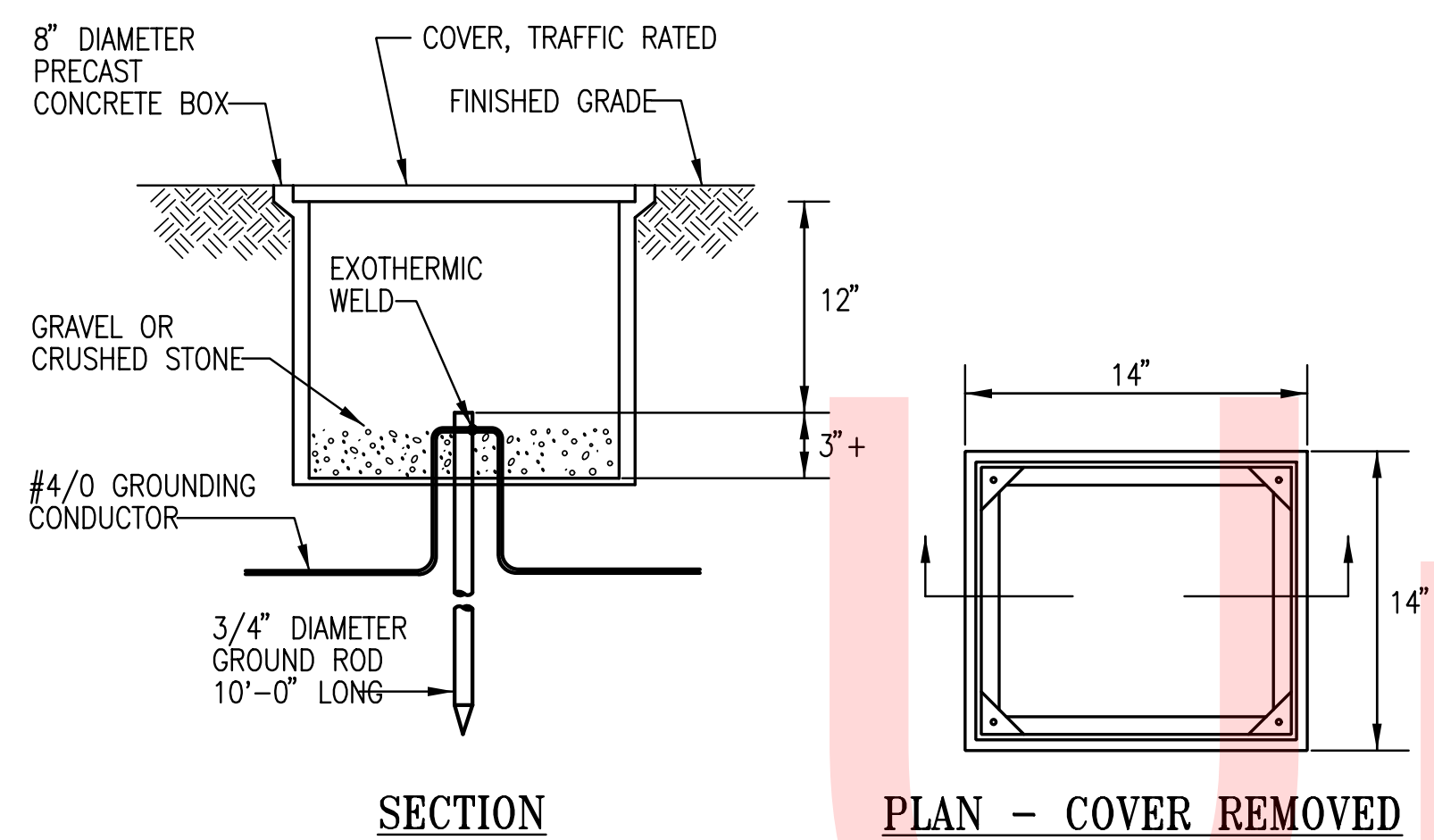
3 CEILING SENSOR SCHEMATIC DIAGRAM
E-602 SCALE: NTS

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Copy

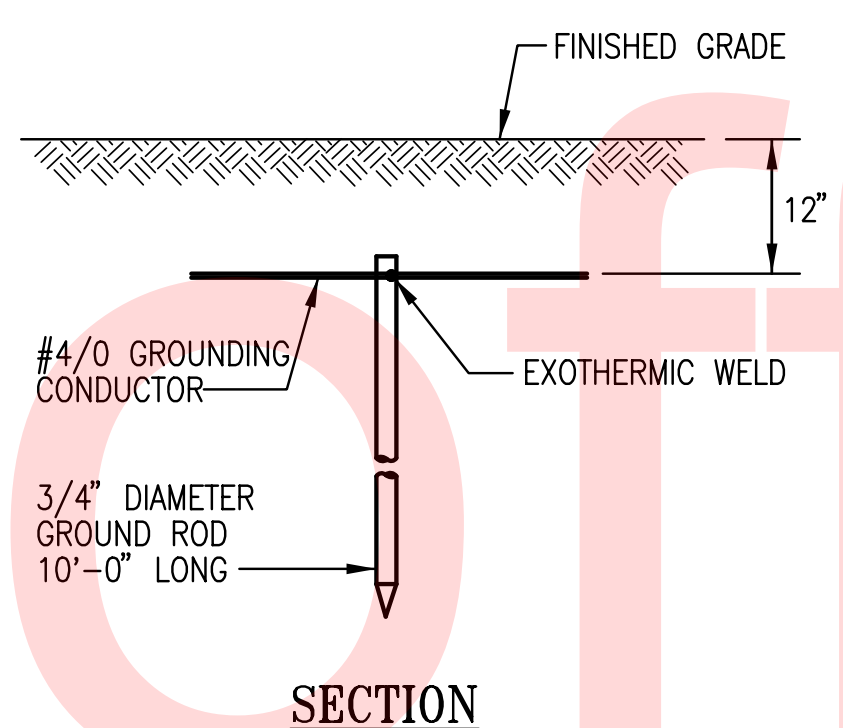
No: 19/016-019 ACAD/CAD/CPO-90181019E-602.dgn
 P: 28/2/2015 10:27:52 AM

GENERAL NOTES:

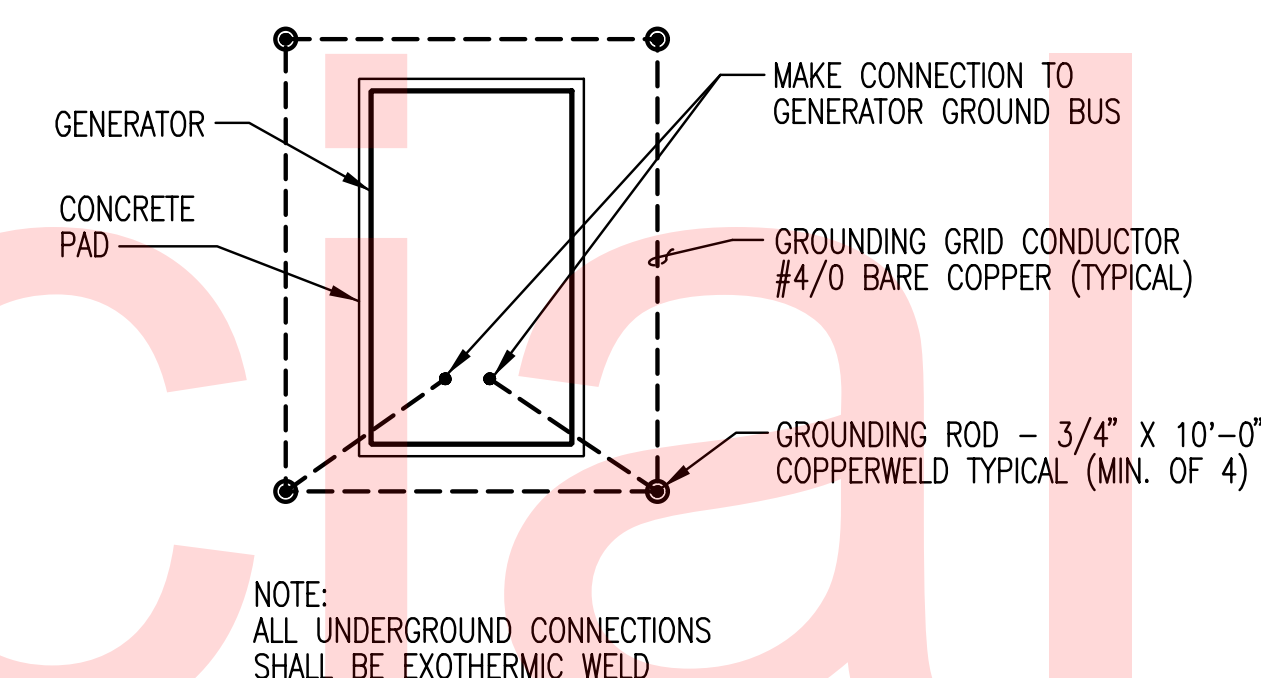
1. SEE DRAWING E-001 THRU E-003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



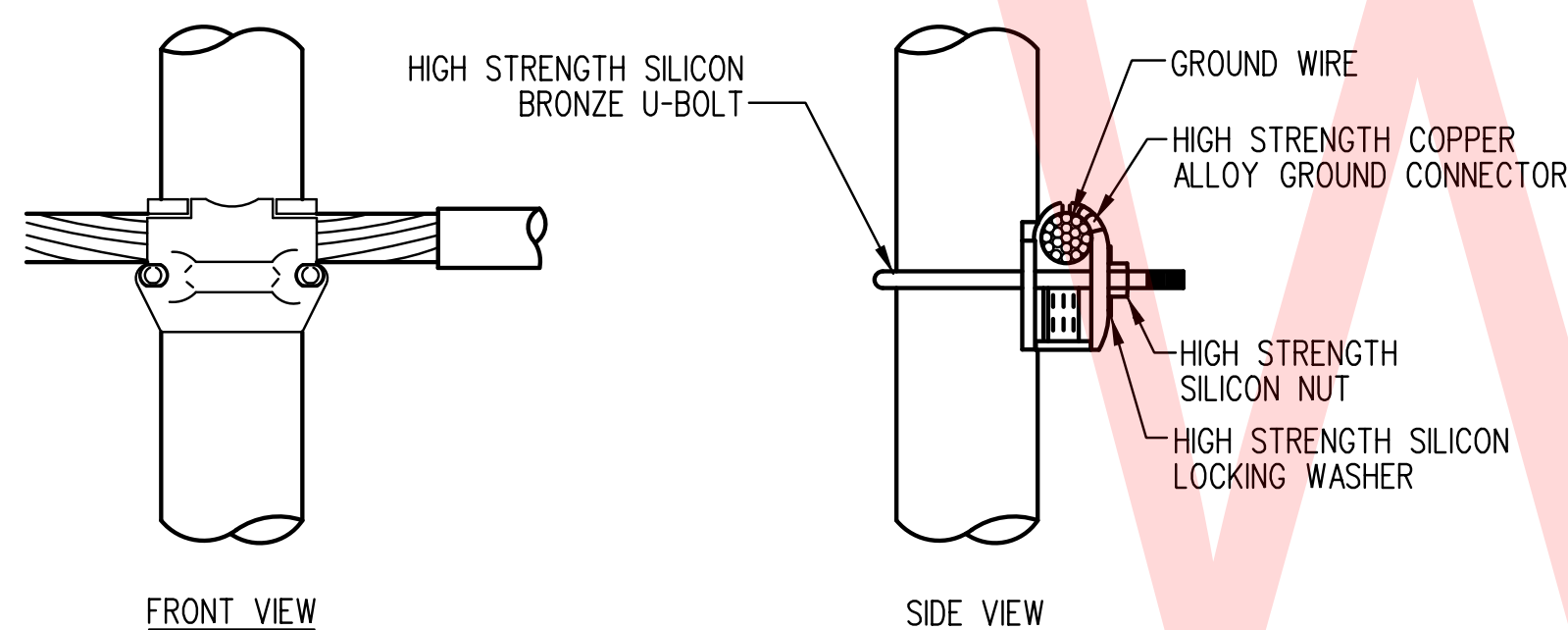
1 GROUND ROD TYPE "A" DETAIL
E-603 SCALE: NTS



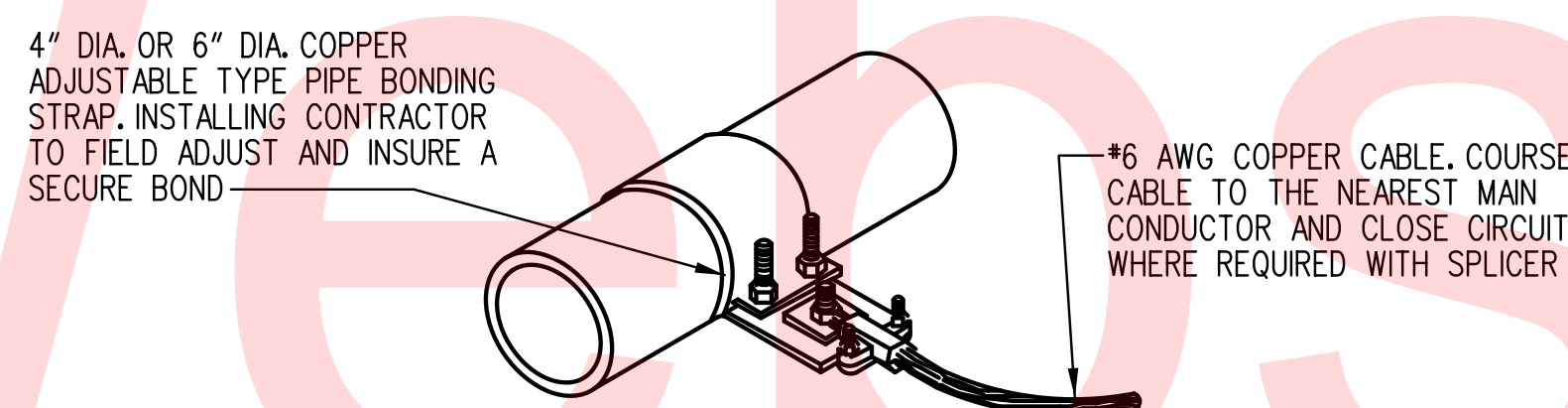
2 GROUND ROD TYPE "B" DETAIL
E-603 SCALE: NTS



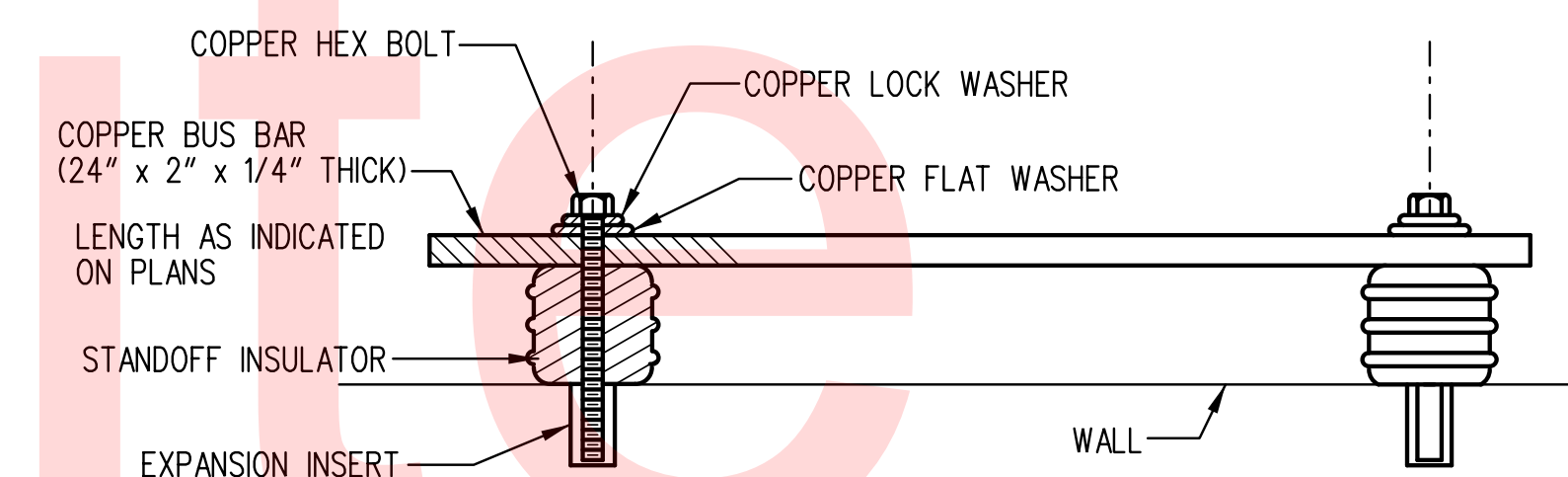
3 EMERGENCY GENERATOR GROUNDING GRID DETAIL
E-603 SCALE: NTS



4 GROUNDING WIRE TO PIPE DETAIL
E-603 SCALE: NTS

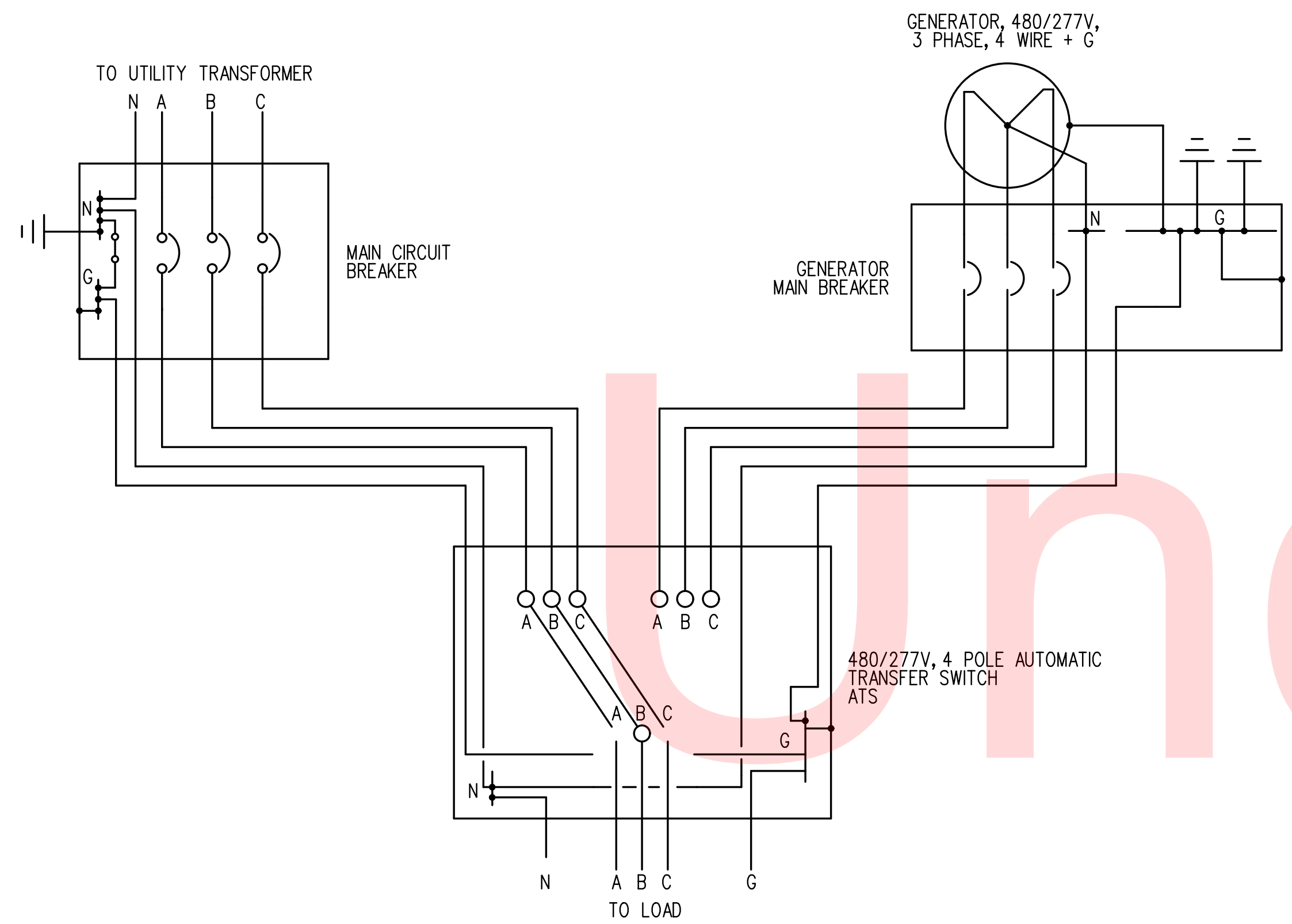


5 TYPICAL PIPE GROUNDING DETAIL
E-603 SCALE: NTS

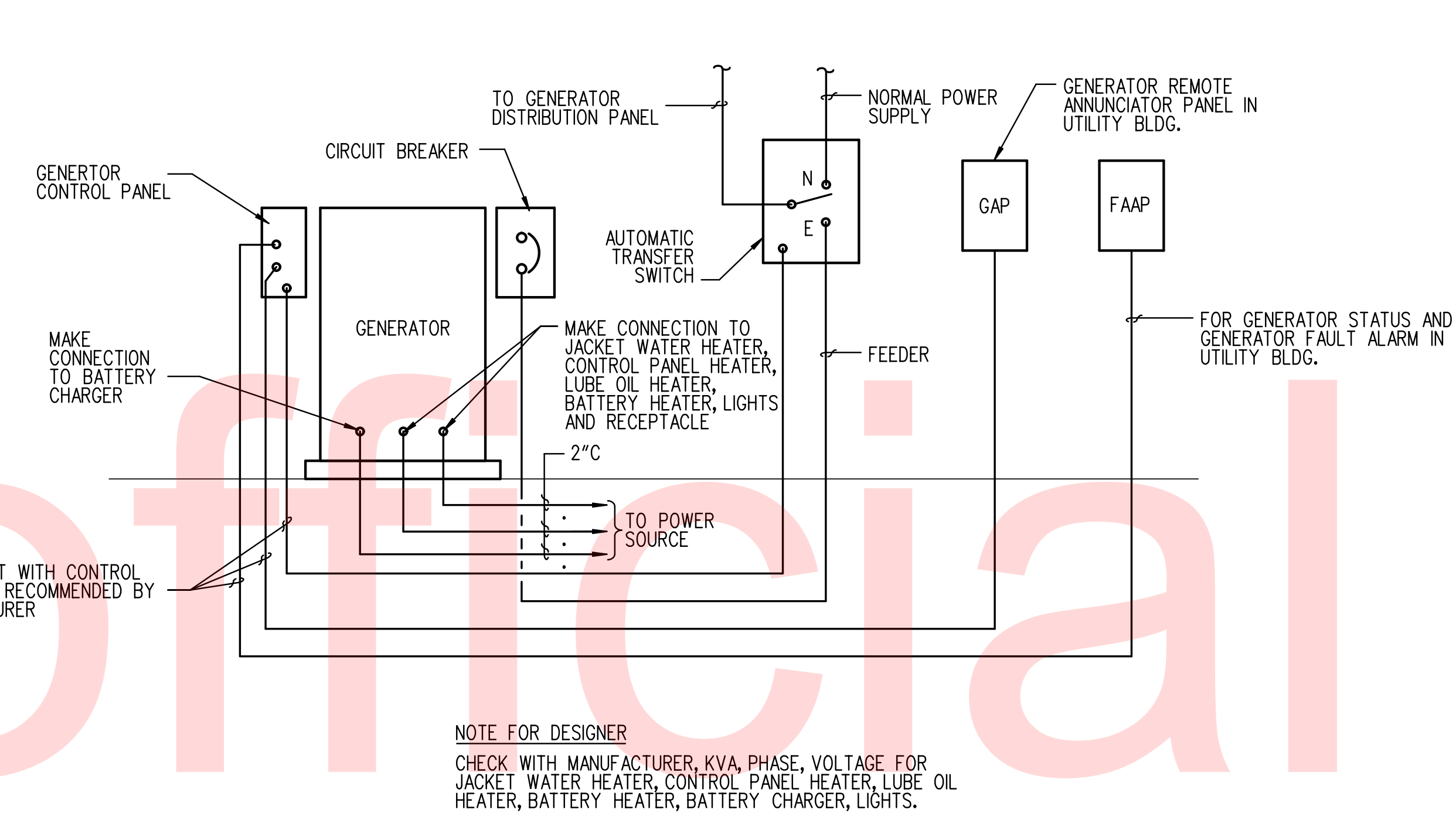


6 GROUND BUS DETAIL
E-603 SCALE: NTS

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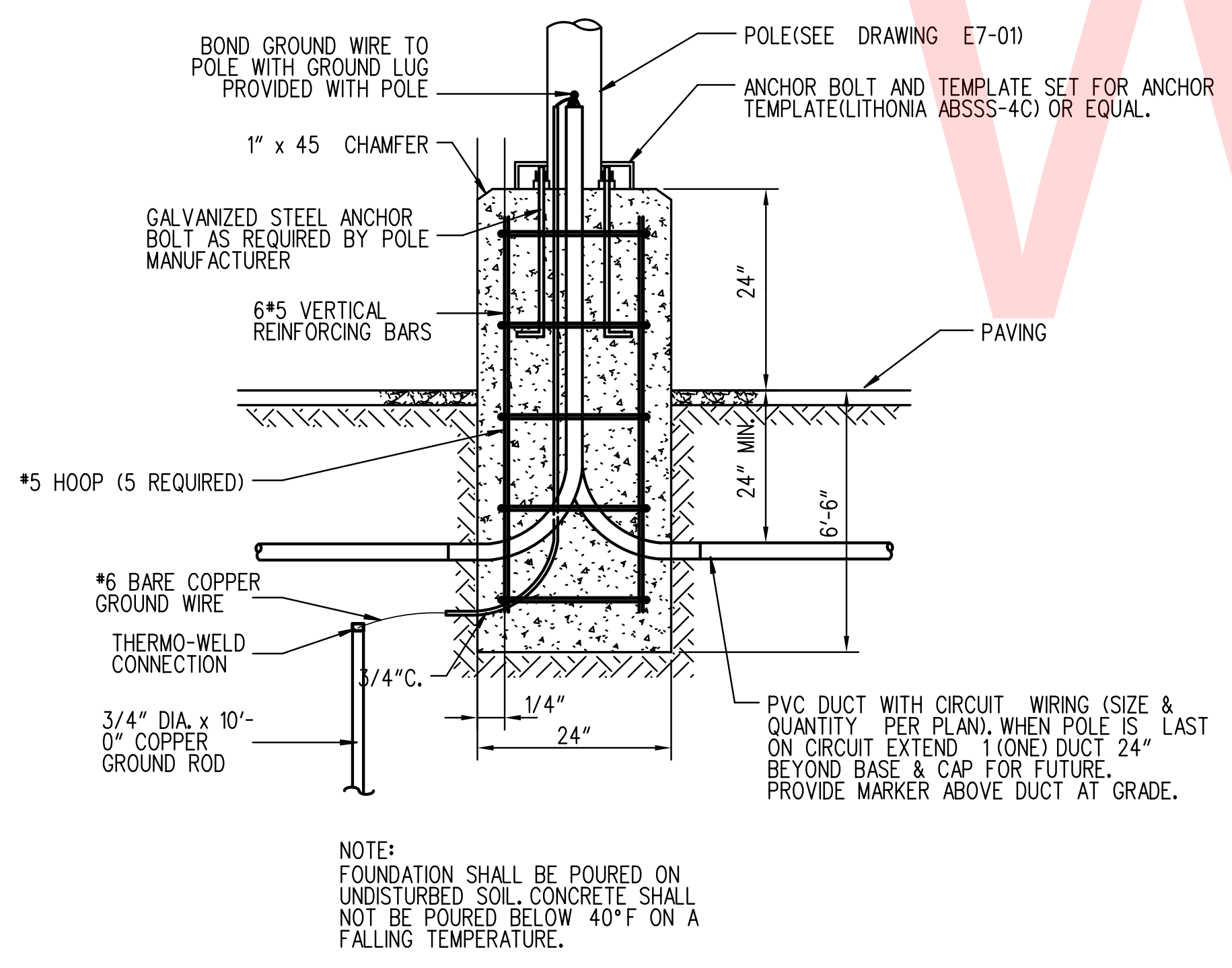


1 EMERGENCY GENERATOR, ATS, AND MAIN CIRCUIT BREAKER CONNECTION DETAIL - 3 PHASE, 4 WIRE SYSTEM
E-604 SCALE: NTS

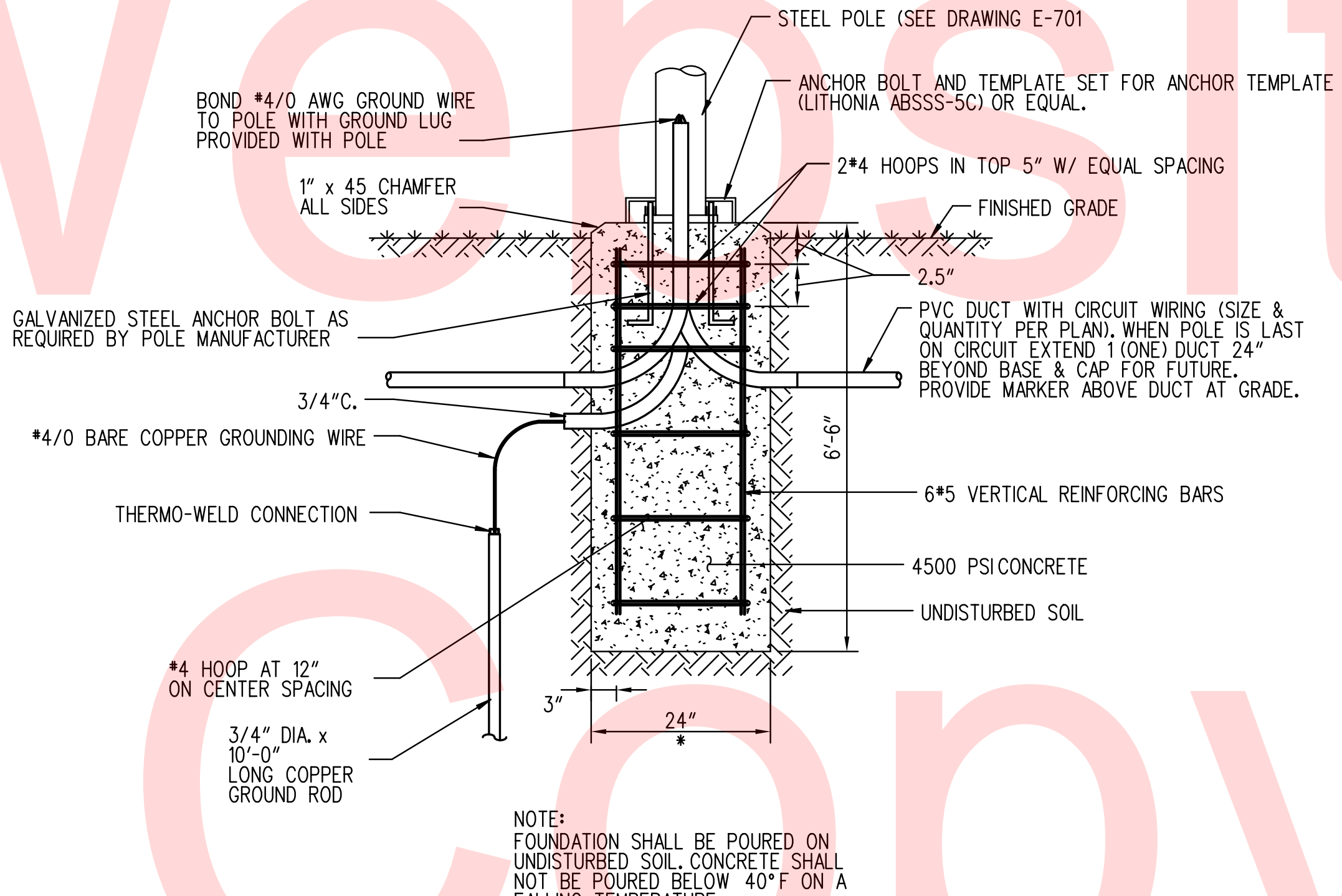


2 GENERATOR CONNECTION WIRING DIAGRAM
E-604 SCALE: NTS

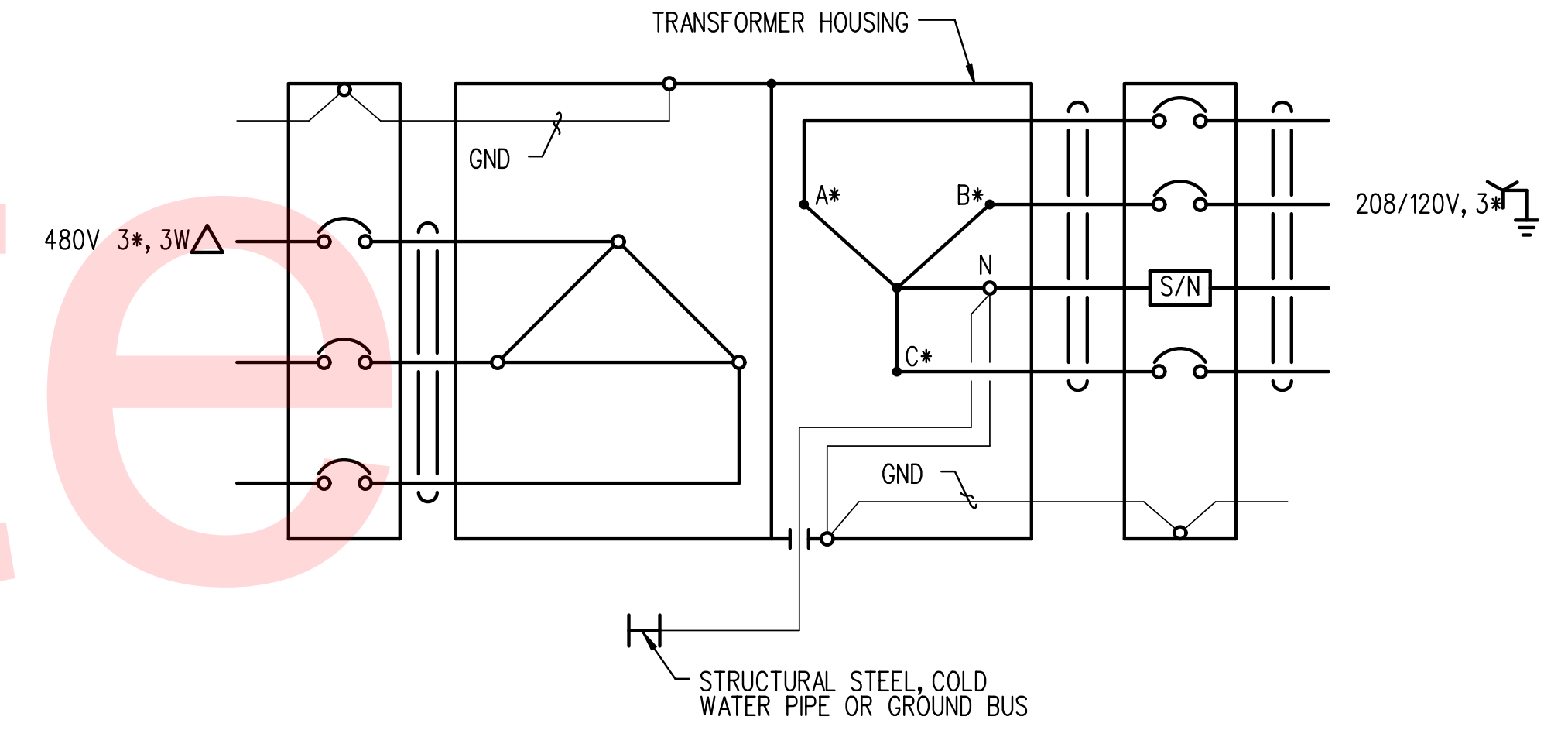
GENERAL NOTES:
1. SEE DRAWING E001 THRU E003 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



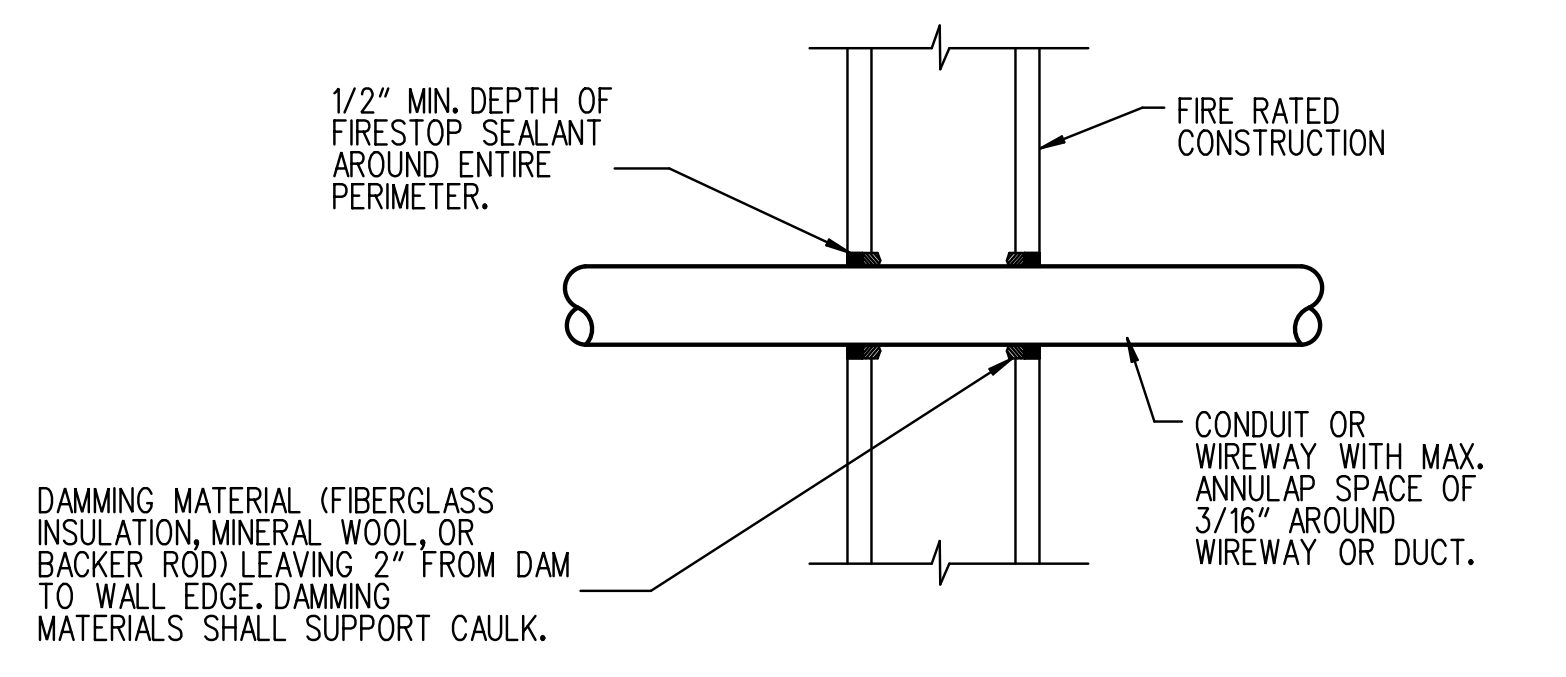
3 POLE BASE DETAIL - FIXTURE TYPE H1 & H2
E-604 SCALE: NTS



4 POLE BASE DETAIL - FIXTURE TYPE H3 & H4
E-604 SCALE: NTS



5 DRY TYPE TRANSFORMER WIRING
E-604 SCALE: NTS



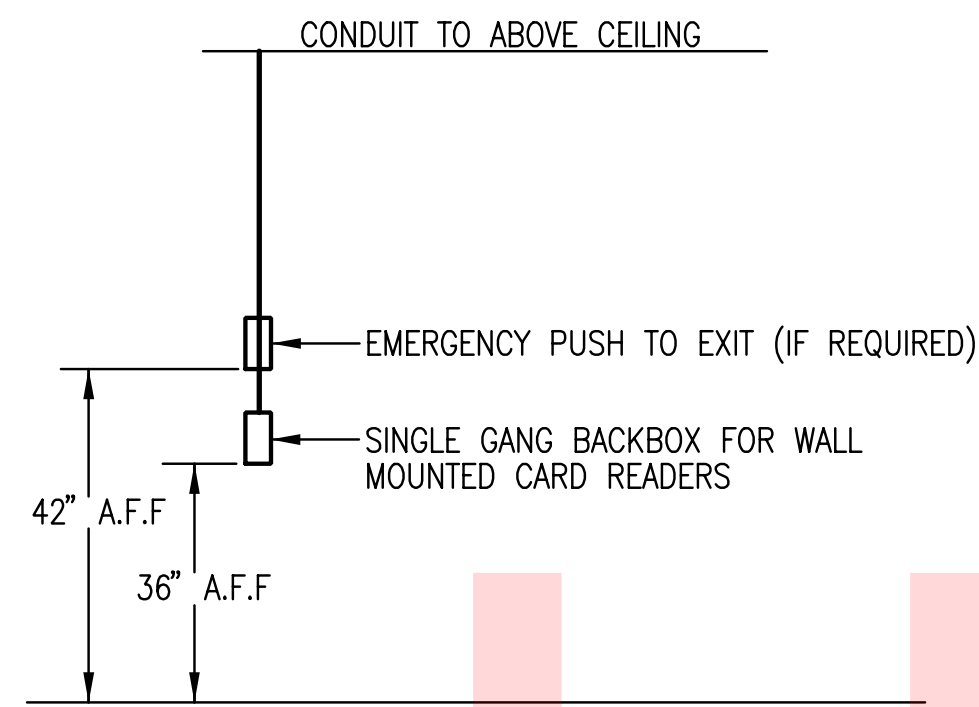
6 DETAIL - FIRE STOP THROUGH WALL
E-604 SCALE: NTS

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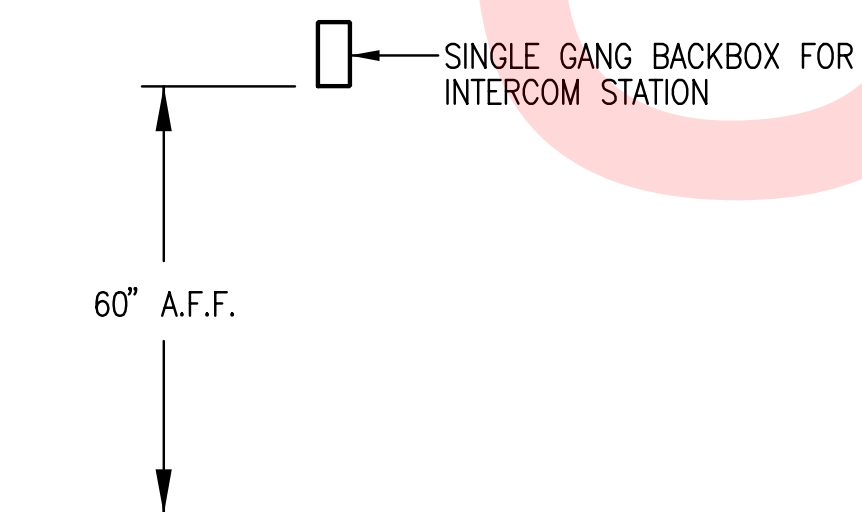
ADDENDUMS / REVISIONS	

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: MSM
	CHECKED BY: AP

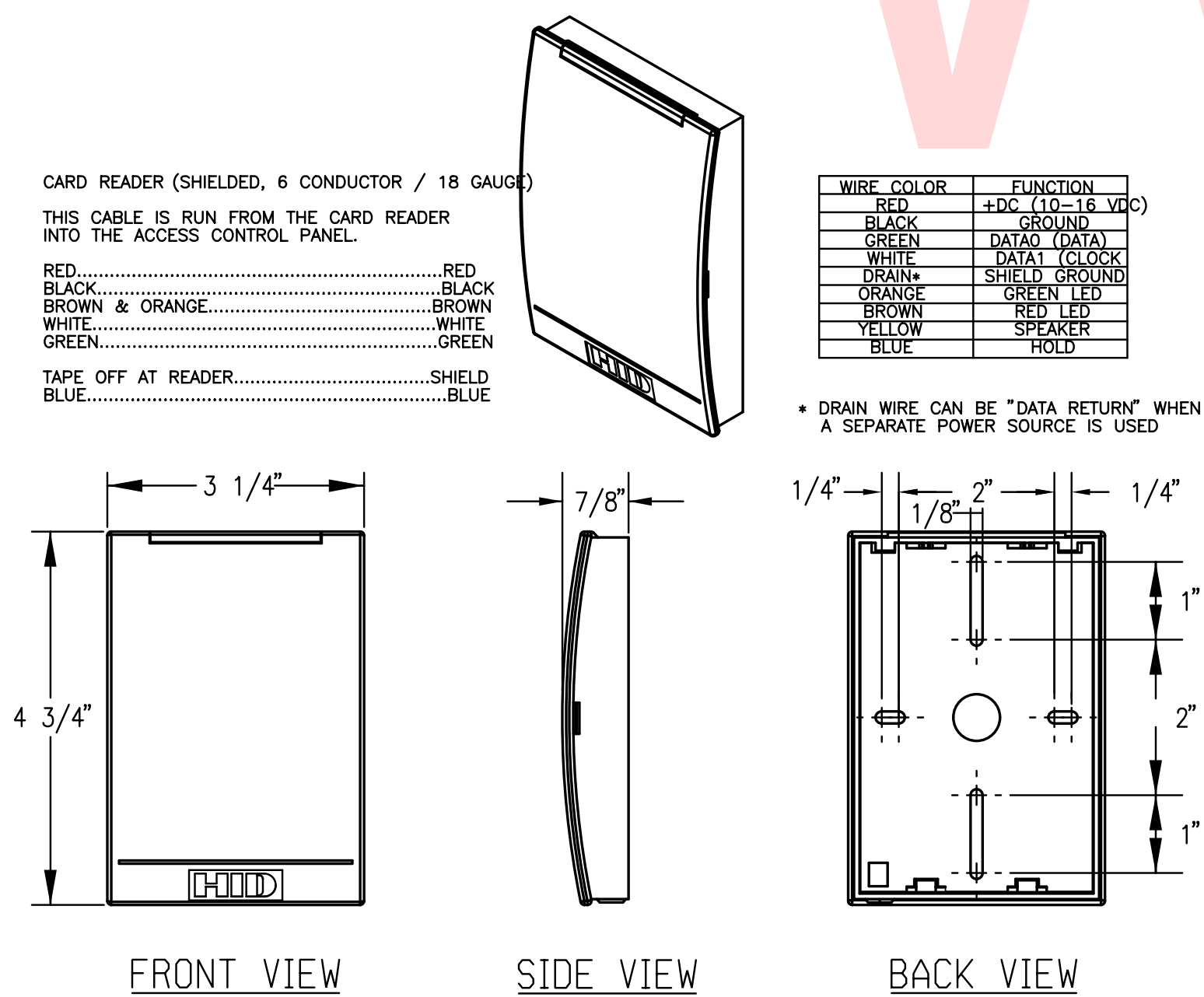
E-604
SHEET NO. 67
TOTAL SHTS. 72



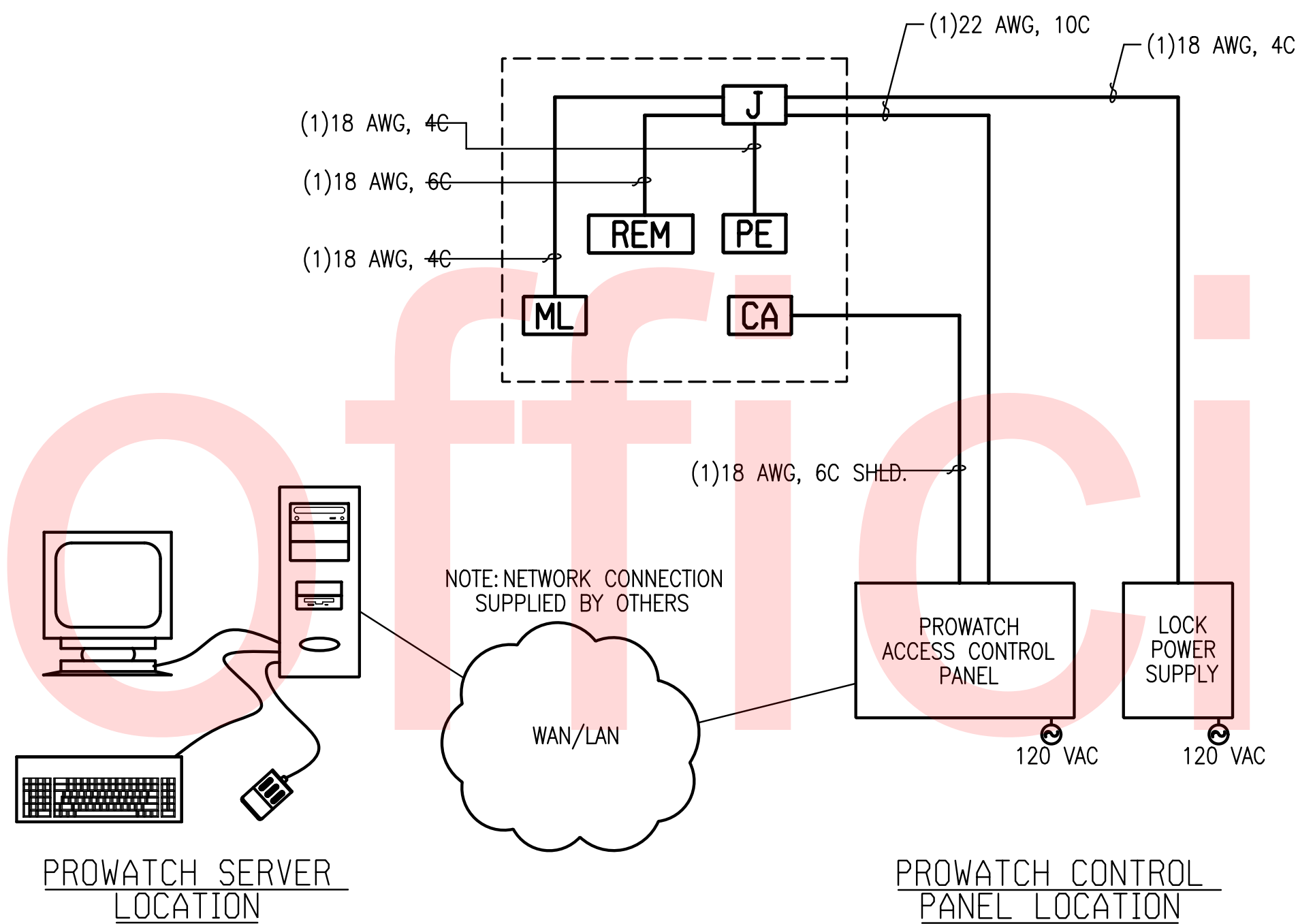
1 CARD READER BACKBOX DETAIL (TYPICAL)
E-605 SCALE: NTS



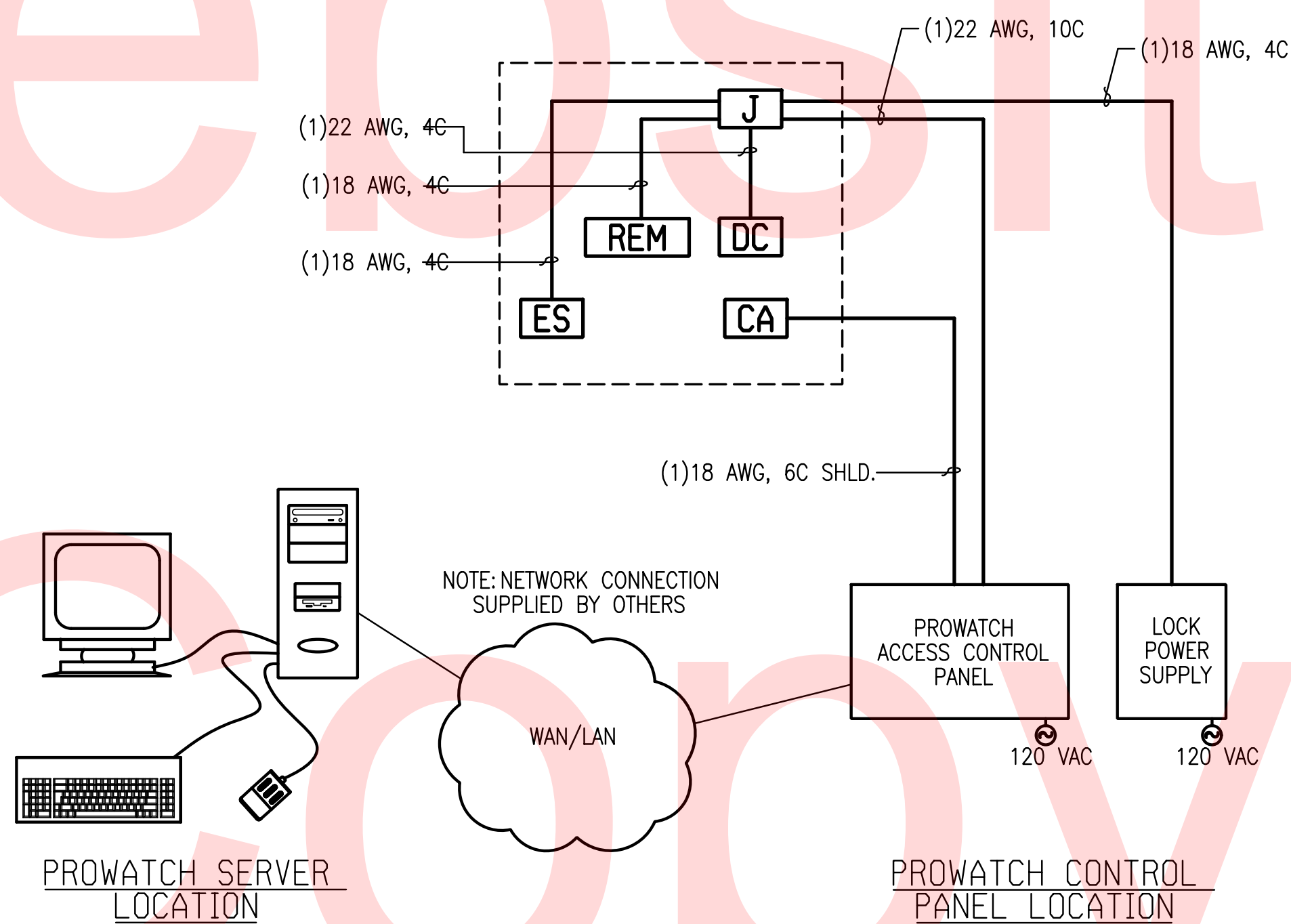
2 INTERCOM VIDEO STATION BACKBOX DETAIL
E-605 SCALE: NTS



3 RP-40 I-CLASS CARD READER DETAIL
E-605 SCALE: NTS



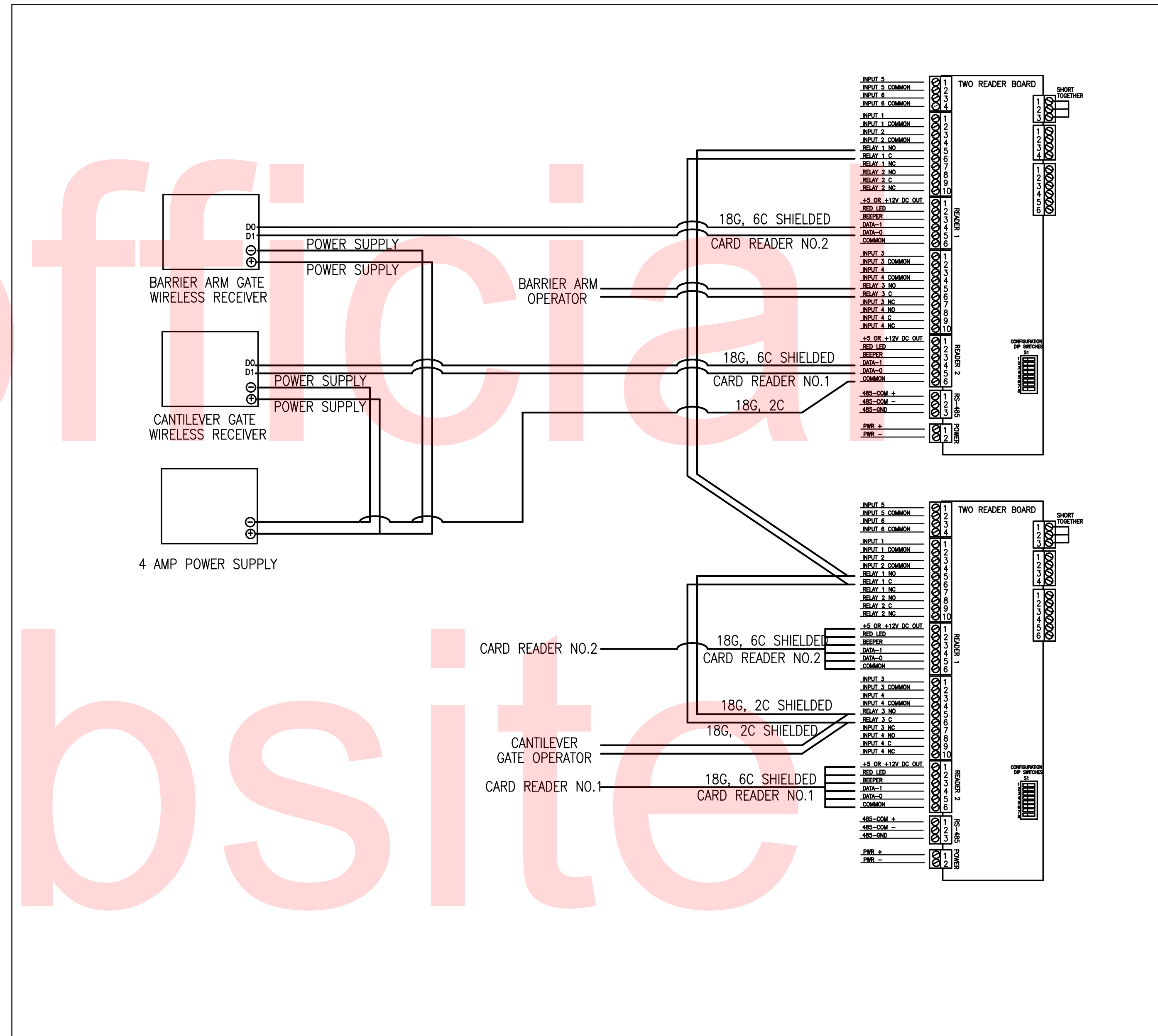
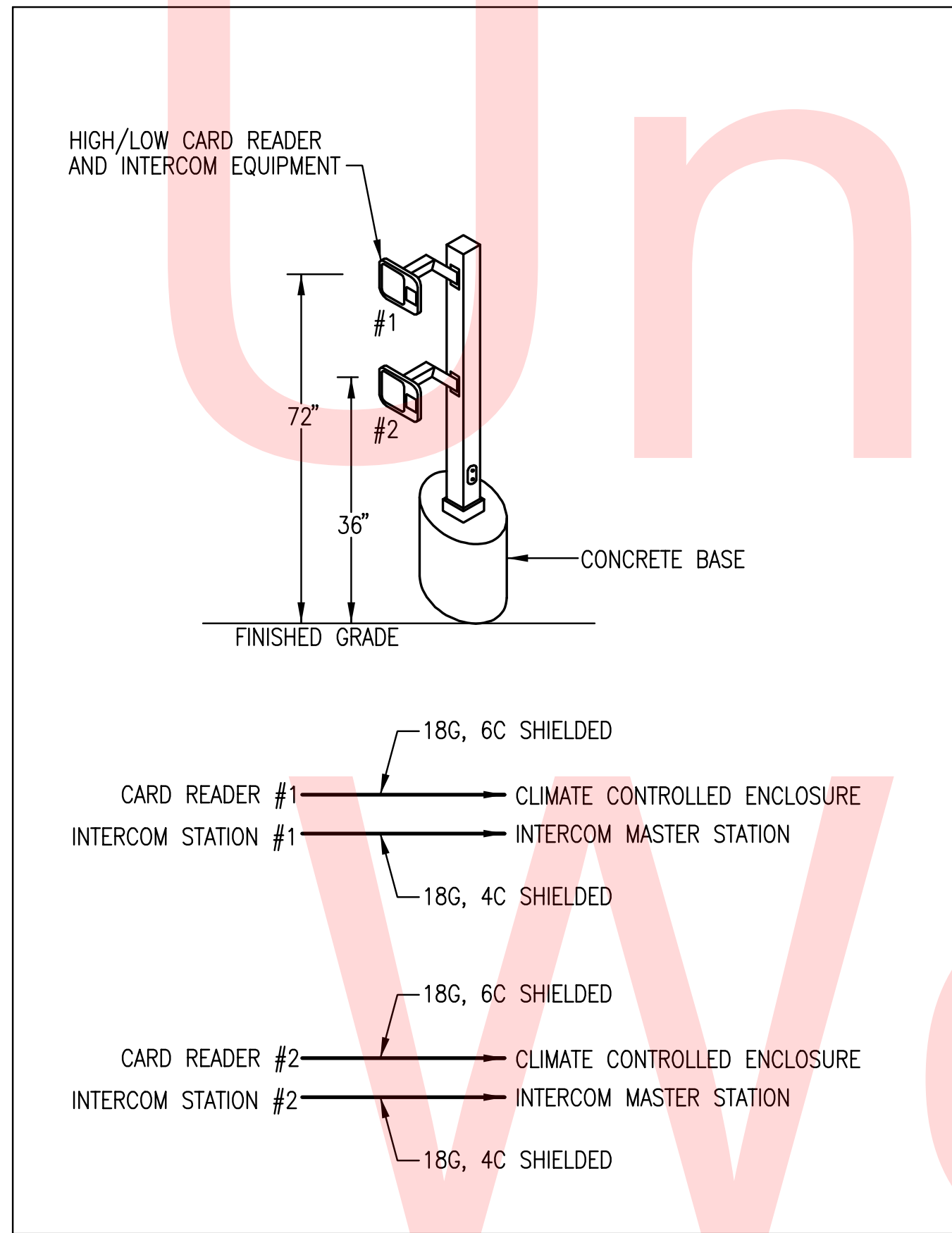
4 TYPICAL ACCESS CONTROL RISER (MAGNETIC LOCK)
E-605 SCALE: NTS



5 TYPICAL ACCESS CONTROL RISER (ELECTRONIC STRIKE)
E-605 SCALE: NTS

ACCESS CONTROL WIRING		
CARD READER	CA	18AWG, 6C SHLD
REQUEST TO EXIT MOTION	REM	18AWG, 4C
ELECTRONIC STRIKES	ES	18AWG, 4C
PUSH TO EXIT BUTTON	PE	18AWG, 4C
MAGNETIC LOCK	ML	18AWG, 4C
DOOR CONTACT	DC	22AWG, 4C
DOOR RELEASE	DR	18AWG, 4C

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10/28/2015 10:58:00 AM



1 GATE OPERATOR WIRING DIAGRAM
E-607 SCALE: NTS

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LIGHTING FIXTURE SCHEDULE

SPECIFIC NOTES:

- 1 MOUNT FIXTURE TO 40FT, DUAL LUMINAIRE, SITE POLE RATED FOR 140MPH, LITHONIA CAT* (6)RTS 40 9-0B DM28 FBC VD-SNAKE DDB/GALV L/AB.
- 2 MOUNT FIXTURE TO 40FT, SINGLE LUMINAIRE, SITE POLE RATED FOR 140MPH, LITHONIA CAT* (5)RTS 40 9-0B DM19 FBC VD-SNAKE DDB/GALV L/AB.
- 3 STEM MOUNTED TO RGS PIPE 12 INCHES ABOVE FINISHED GRADE.

BASIS OF DESIGN NOTE:

PRODUCTS LISTED ARE THE BASIS OF DESIGN, CONTRACTOR MAY SUBMIT EQUALS FOR REVIEW AND APPROVAL.

CONTRACTOR MUST VERIFY, ANY EQUAL FIXTURE SUBMITTED WILL MEET THE MINIMUM REQUIRED FOOT-CANDLE LEVEL LISTED IN THE IES STANDARDS FOR EACH ROOM OR AREA. AT THE REQUEST OF THE ENGINEER THE CONTRACTOR SHALL PROVIDE FOOT-CANDLE CALCULATIONS TO SUPPORT COMPLIANCE. THIS APPLIES TO BOTH INTERIOR AND EXTERIOR APPLICATIONS.

FIX. TYPE	DESCRIPTION	MOUNTING	LAMPS			VOLTS	MANUFACTURER AND CATALOG NUMBER	REMARKS
			NO.	WATTS	TYPE			
A	2' X 4' ENERGYMAX INTERSECT FULL DISTRIBUTION RECESSED ARCHITECTURAL LUMINAIRE WITH 2 X 6 CELL MATTE WHITE LOUVER	RECESSED	2	32	T8	277	COLUMBIA LIGHTING EMI24-232G-E104U	
B	4' LINEAR FLUORESCENT, FROSTED ACRYLIC LENS, CORROSION RESISTANCE STEEL HOUSING, DIMMABLE	SURFACE	2	32	T8	277	BARTCO IPR8MS2UISFSMWH	
C	4' PREMIUM TURRET INDUSTRIAL FLUORESCENT FIXTURE	SUSPENDED	2	32	T8	277	COLUMBIA LIGHTING IC4-232-ST-EUICFC	
D	4' PREMIUM INDUSTRIAL FLUORESCENT FIXTURE	SUSPENDED	2	32	T8	277	COLUMBIA LIGHTING KL4-232-ST-E-U	
E	6" COMPACT FLUORESCENT DOWN LIGHT, PRISMATIC GLASS LENSE, WHITE PAINTED RELECTOR	RECESSED	1	26	26TRT	277	GOTHAM LGF1/26TRT6RWT73MVOLT	
F	HIGH BAY LED, SPECULAR REFLECTOR AND CLEAR CURVED ACRYLIC LENS	PENDANT	-	146	LED	277	DIALIGHT HB1C4N-LM79	MOUNT AT 25' AFF
G	2' X 4' SPECIFICATION GRADE STATIC TROFFER WITH ACRYLIC PRISMATIC PATTERN 12 LENS	RECESSED	2	32	T8	277	COLUMBIA LIGHTING 4PS24-232G-FSA12-EU	
H	4' LONG X 4" X 5" SLIM WALL MOUNT LIGHT WITH OPAL ACRYLIC LENS	WALL	2	32	T8	277	COLUMBIA LIGHTING W4-232-EU	
J	4' FLOURESCENT, ENCLOSED AND GASKETED FIBERGLASS INDUSTRIAL FIXTURE WITH CLEAR ACRYLIC CREPE LENS, UL LISTED FOR WET LOCATIONS.	WALL	3	32	T8	277	COLUMBIA LIGHTING FNP4-332-EU2H3S	MOUNT AT 12' AFF
K	DESIGNER EMERGENCY LIGHT	SURFACE	2	12	LED	277	Dual Light CV2NI	
K2	HIGH CAPACITY EMERGENCY LIGHTING UNIT, UL LISTED FOR DAMP LOCATIONS	SURFACE	2	56	LED	277	Dual Light LM56NDI	
L	(2) HEAD LED AREA LUMINAIRE, WIDE THROW DISTRIBUTION, ENERGY EFFICIENT, BLACK FINISH.	POLE	100C	436	LED	277	LITHONIA DSX2 LED 100C 700 40K T5W MVOLT SPA DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
M	LED AREA LUMINAIRE, FORWARD THROW MEDIUM DISTRIBUTION, ENERGY EFFICIENT, BLACK FINISH.	POLE	100C	218	LED	277	LITHONIA DSX2 LED 100C 700 40K T4M MVOLT SPA DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
N	LED AREA LUMINAIRE, FORWARD THROW MEDIUM DISTRIBUTION, ENERGY EFFICIENT, BLACK FINISH.	POLE	80C	37	LED	277	LITHONIA DSX2 LED 80C 530 40K T4M MVOLT SPA DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
P	LED AREA LUMINAIRE, MEDIUM THROW DISTRIBUTION, HOUSE-SIDE SHIELD, ENERGY EFFICIENT, BLACK FINISH.	POLE	100C	218	LED	277	LITHONIA DSX2 LED 100C 700 40K T3M MVOLT SPA HS DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
R	LED AREA LUMINAIRE, SHORT THROW DISTRIBUTION, HOUSE-SIDE SHIELD, ENERGY EFFICIENT, BLACK FINISH.	POLE	80C	142	LED	277	LITHONIA DSX2 LED 80C 530 40K T1S MVOLT SPA HS DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
S	LED AREA LUMINAIRE, MEDIUM THROW DISTRIBUTION, ENERGY EFFICIENT, BLACK FINISH.	WALL	30C	54	LED	277	LITHONIA DSXW2 LED 30C 530 40K T4M MVOLT DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
T	LED AREA LUMINAIRE, REGULAR THROW DISTRIBUTION, ENERGY EFFICIENT, WHITE FINISH.	SURFACE	30C	67	LED	277	LITHONIA DSXSC LED 30C 700 40K T5R MVOLT DWHXD	CONNECT TO FIELD LOCATED EXTERNAL PHOTOCELL
U	LED FLOOD LIGHT LUMINAIRE, HORIZONTAL FLOOD DISTRIBUTION, SINGLE "COB" ENGINE, ENERGY EFFICIENT, BLACK FINISH.	POLE	COB	21	LED	277	LITHONIA DSXF1-LED-1-A530/40K-HMF-MVOLT-THK-PE-DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
W	LED WALL LUMINAIRE, MEDIUM DISTRIBUTION, SINGLE ENGINE, ENERGY EFFICIENT, BLACK FINISH.	WALL	10C	39	LED	277	LITHONIA LIGHTING TWH LED 10C T3M MVOLT PE DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
W2	LED WALL LUMINAIRE, MEDIUM DISTRIBUTION, DOUBLE ENGINE, ENERGY EFFICIENT, BLACK FINISH.	WALL	20C	72	LED	277	LITHONIA LIGHTING TWH LED 20C T3M MVOLT PE DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
W3	LED WALL LUMINAIRE, MEDIUM DISTRIBUTION, TRIPLE ENGINE, ENERGY EFFICIENT, BLACK FINISH.	WALL	30C	104	LED	277	LITHONIA LIGHTING TWH LED 30C T3M MVOLT PE DBLXD	PROVIDE WITH INTERNAL PHOTOCELL
X	CAST ALUMINUM LED EXIT SIGN WITH RED LETTERING	SURFACE	1	3.8	LED	277	DUAL LITE SESRWEI	
X1	CAST ALUMINUM LED EXIT SIGN WITH RED LETTERING, UL LISTED FOR DAMP LOCATIONS	SURFACE	1	7.22	LED	277	DUAL LITE LED2EMRWW	
X2	CAST ALUMINUM LED EXIT SIGN WITH RED LETTERING, UL LISTED FOR WET LOCATIONS	SURFACE	1	3.8	LED	277	DUAL LITE LN4XRWE	

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ADDENDUMS / REVISIONS	

**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: MSM
	CHECKED BY: AP

**ELECTRICAL
PANEL SCHEDULES**

E-701
SHEET NO. 71
TOTAL SHTS. 72

PANELBOARD RSP

10,000 RMS
NEMA ENCLOSURE: TYPE 1

225 AMPS BUS
208Y/120 VOLTS
SURFACE MOUNTED

225 AMP MCB
3 PHASE, 4 WIRE + GROUND
PANEL LOCATION - UTILITY BUILDING

LOAD SERVED	LOAD (AMPS)			CB TRIP	WIRE SIZE	CKT	PHASE			CKT	WIRE SIZE	CB TRIP	LOAD (AMPS)			LOAD SERVED	
	A	B	C				A	B	C				A	B	C		
FORNT PARKING LOT CCTV CAMERAS	1			20	10	1				2	10	20	16			GENERATOR BLOCK HEATER	
REAR PARKING LOT CCTV CAMERAS		0.5		20	10	3				4	12	20		5		GENERATOR BATTERY CHARGER	
REC UTILITY BLDG			8	20	12	5				6	12	20		4		GENERATOR LIGHTS AND REC	
SPARE				20		7				8		40	32			PV STATION #1	
SPARE				20		9				10		40	32			PV STATION #1	
GATE ARM SOUTH			5.4	20	10	11				12	4	40	32			PV STATION #1	
SPARE				20		13				14	4	40	32			PV STATION #2	
SPARE				20		15				16	4	40	32			PV STATION #2	
SPARE				20		17				18		40	32			PV STATION #2	
SPARE				20		19				20	4	40	32			PV STATION #2	
SPARE				20		21				22		40	32			PV STATION #2	
SPARE				20		23				24		20				SPARE	
SPARE				20		25				26		20				SPARE	
SPARE				20		27				28		20				SPARE	
REC COM RM			5	20	12	29				30		20				SPARE	
REC COM RM	5			20	12	31				32		20				SPARE	
REC COM RM		5		20	12	33				34		20				SPARE	
REC COM RM			5	20	12	35				36		20				SPARE	
SPARE				20		37				38		20				SPARE	
SPARE				20		39				40		20				SPARE	
SPARE				20		41				42		20				SPARE	
TOTAL	6	5.5	23.4											112	101	68	TOTAL
TOTAL CONNECTED AMPS: A= 118 B= 107 C= 91.4																	

PANELBOARD LPN

22,000 RMS
NEMA ENCLOSURE: TYPE 1

100 AMPS BUS
480Y/277 VOLTS
SURFACE MOUNTED

100 AMP MCB
3 PHASE, 4 WIRE + GROUND
PANEL LOCATION - 116 ELEC

LOAD SERVED	LOAD (AMPS)			CB TRIP	WIRE SIZE	CKT	PHASE			CKT	WIRE SIZE	CB TRIP	LOAD (AMPS)			LOAD SERVED
	A	B	C				A	B	C				A	B	C	
FRONT PARKIN LOT SOUTH LIGHTING	5.2			20	8	1				2	8	20				SPARE
FRONT PARKIN LOT NORTH LIGHTING		3.7		20	10	3				4	10	20				SPARE
REAR PARKIN LOT SOUTH LIGHTING			2.9	20	10	5				6	12	20				SPARE
REAR PARKIN LOT NORTH LIGHTING	1.6			20	12	7				8	12	20				SPARE
EXIT SIGNS/EMERGENCY LIGHTING		1.0		20	12	9				10	12	20				SPARE
SPARE				20		11				12	12	20				SPARE
SPARE				20		13				14		20				SPARE
SPARE				20		15				16		20				SPARE
SPARE				20		17				18		20				SPARE
SPARE				20		19				20		20				SPARE
SPARE				20		21				22		20				SPARE
SPARE				20		23				24		20				SPARE
SPARE				20		25				26		20				SPARE
SPARE				20		27				28		20				SPARE
SPARE				20		29				30		20				SPARE
TOTAL	6.81	4.67	2.87										0	0	0	TOTAL

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ADDENDUMS / REVISIONS

**LEWES PARK & RIDE
AND SITE WORK**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: MSM
	CHECKED BY: AP

**ELECTRICAL
PANEL SCHEDULES**

E-702

SHEET NO.

72

TOTAL SHTS.

72