

DESIGNED BY: *Jessica D. Hauber*
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. NO. 51487

DATE: 10-01-2024
KENNETH C. RESSLER
NJ PROFESSIONAL ENGINEER LIC. NO. 34559

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
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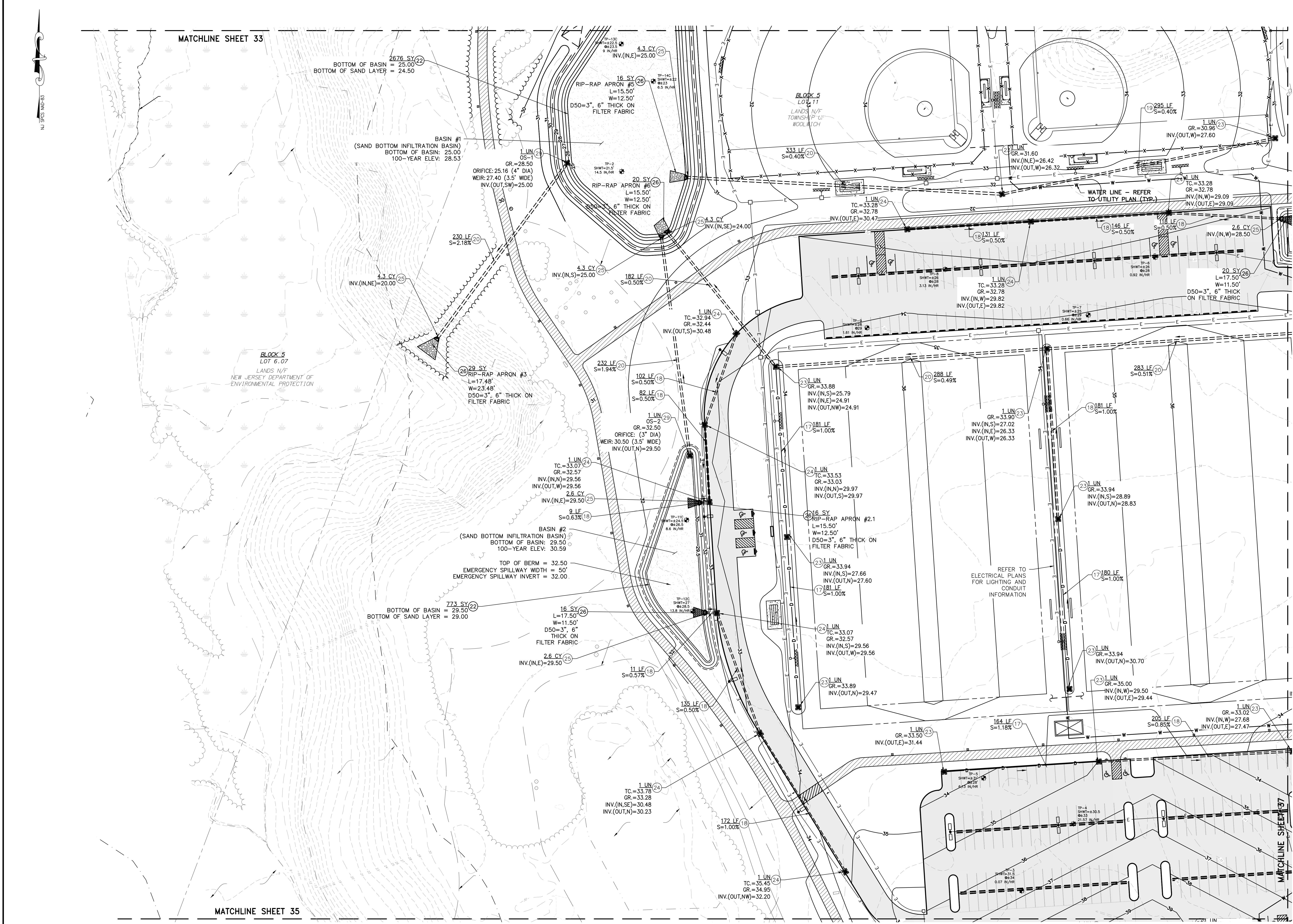
PER N.J.D.E.P. COMMENTS	DATE	BY	CHK
	12/09/24	JCH	JCH
	07/30/24	JH	JH
	04/24/24	JH	JH

No.	REVISION	DATE	BY	CHK
3				
2				
1				

DRAINAGE & UTILITY PLAN
WOODWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODWICH GLOUCESTER COUNTY NEW JERSEY

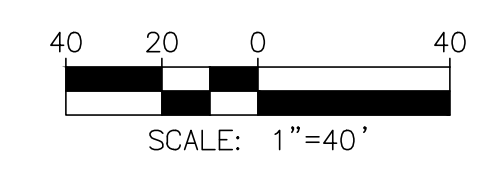
DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
RLR	RLR	DAH	AS NOTED

DATE: 8/15/23
JOB No.: 08241062
SHEET No.: 34 of 53



TO BE CONSTRUCTED

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
17	12" REINFORCED CONCRETE PIPE, CLASS III	LF	737	
18	15" REINFORCED CONCRETE PIPE, CLASS V	LF	1263	
19	18" REINFORCED CONCRETE PIPE, CLASS III	LF	295	
20	24" REINFORCED CONCRETE PIPE, CLASS III	LF	1548	
22	SAND BOTTOM INFILTRATION BASIN	SY	3449	
23	INLET, TYPE E	UN	11	
24	INLET, TYPE B	UN	9	
25	CONCRETE HEADWALL	CY	25	
26	RIPRAP STONE SLOPE PROTECTION, 6" THICK (D50 = 3")	SY	65	
29	OUTLET CONTROL STRUCTURE	UN	2	



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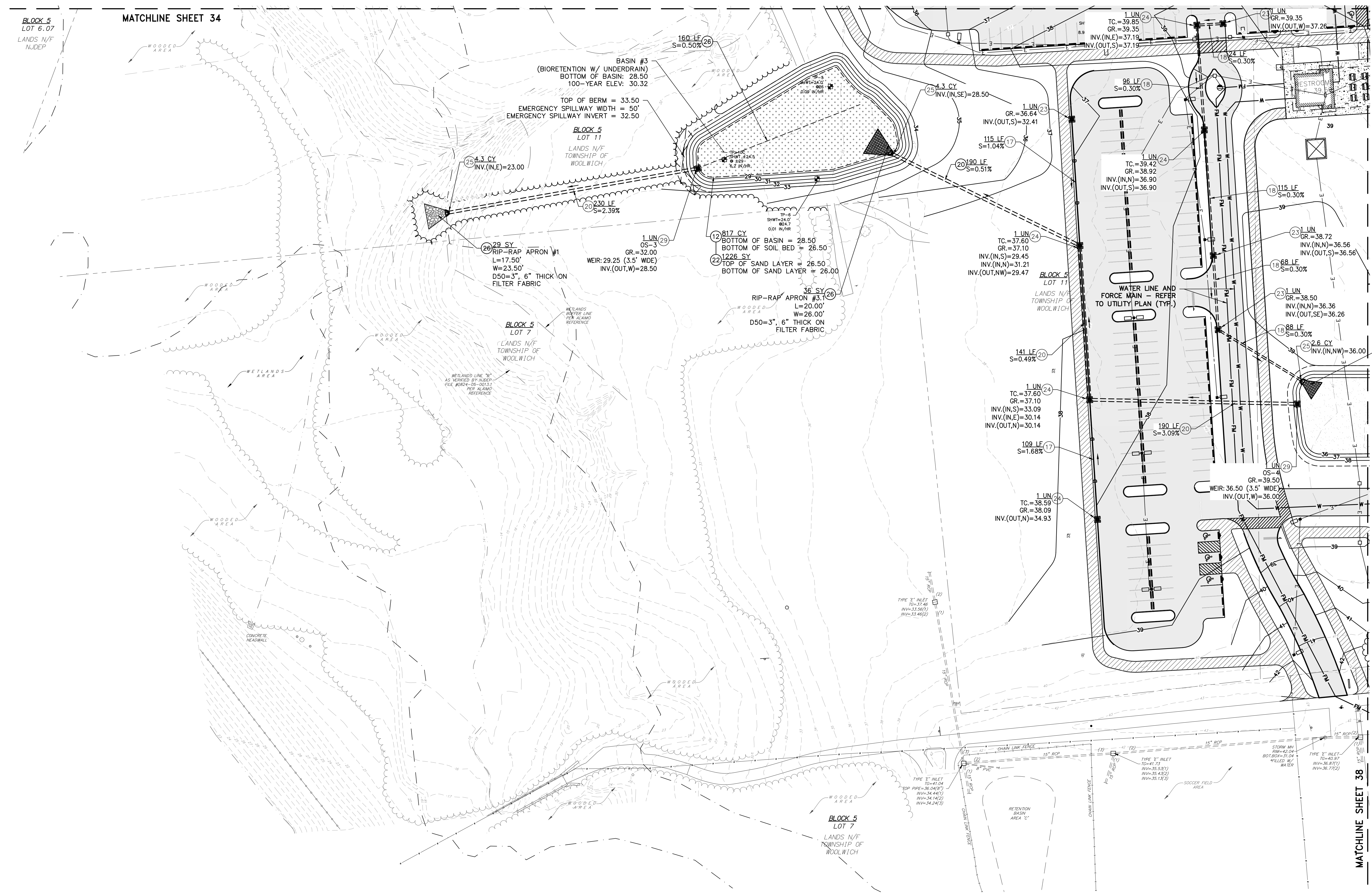
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3	PER NJDEP COMMENTS	12/09/24	JCH	JCH
2	PER NJDEP COMMENTS	07/30/24	JCH	JCH
1	PER NJDEP COMMENTS	04/24/24	JCH	JCH

DRAINAGE & UTILITY PLAN
WOODWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODWICH GLOUCESTER COUNTY NEW JERSEY

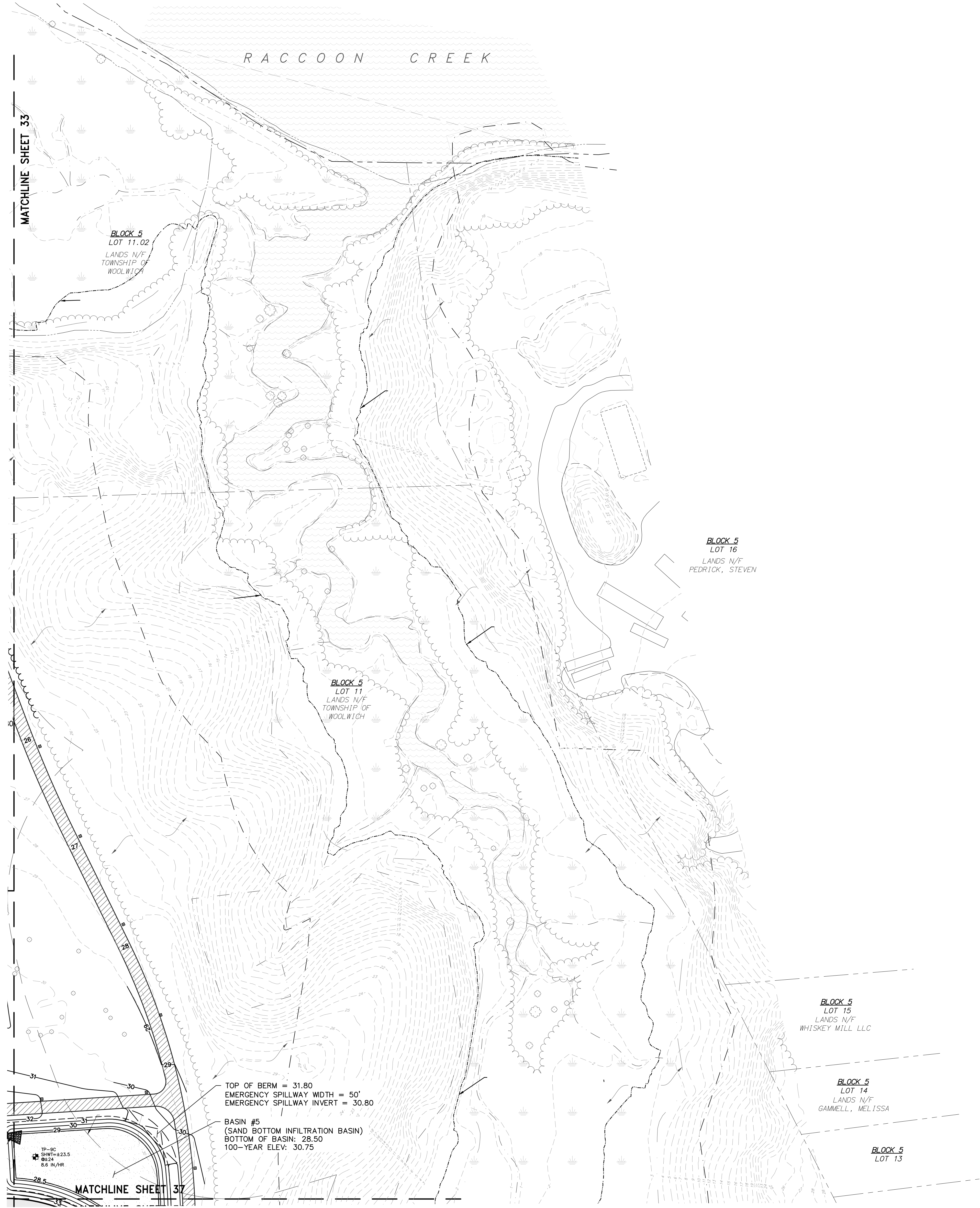
DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
RLR	RLR	DAH	AS NOTED
DATE:	SHEET No.:		
8/15/23	35 of 53		
JOB No.:	08241062		



TO BE CONSTRUCTED

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
12	BIORETENTION BASIN SYSTEM	CY	817	
16	6" HIGH DENSITY POLYETHYLENE PIPE, PERFORATED	LF	160	
17	12" REINFORCED CONCRETE PIPE, CLASS III	LF	224	
18	15" REINFORCED CONCRETE PIPE, CLASS V	LF	391	
20	24" REINFORCED CONCRETE PIPE, CLASS III	LF	751	
22	SAND BOTTOM INFILTRATION BASIN	SY	1226	
23	INLET, TYPE E	UN	4	
24	INLET, TYPE B	UN	4	
25	CONCRETE HEADWALL	CY	11.2	
26	RIPRAP STONE SLOPE PROTECTION, 12" THICK (D50 = 3")	SY	55	
29	OUTLET CONTROL STRUCTURE	UN	2	





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REMINGTON & VERNICK ENGINEERS

2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003
(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
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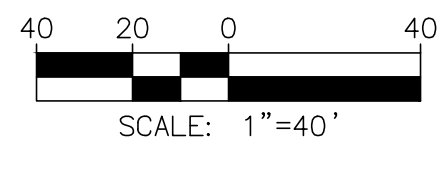
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2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

DRAINAGE & UTILITY PLAN

WOOLWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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DATE:	8/15/23	SHEET No.:	36 of 53
JOB No.:	08241082		



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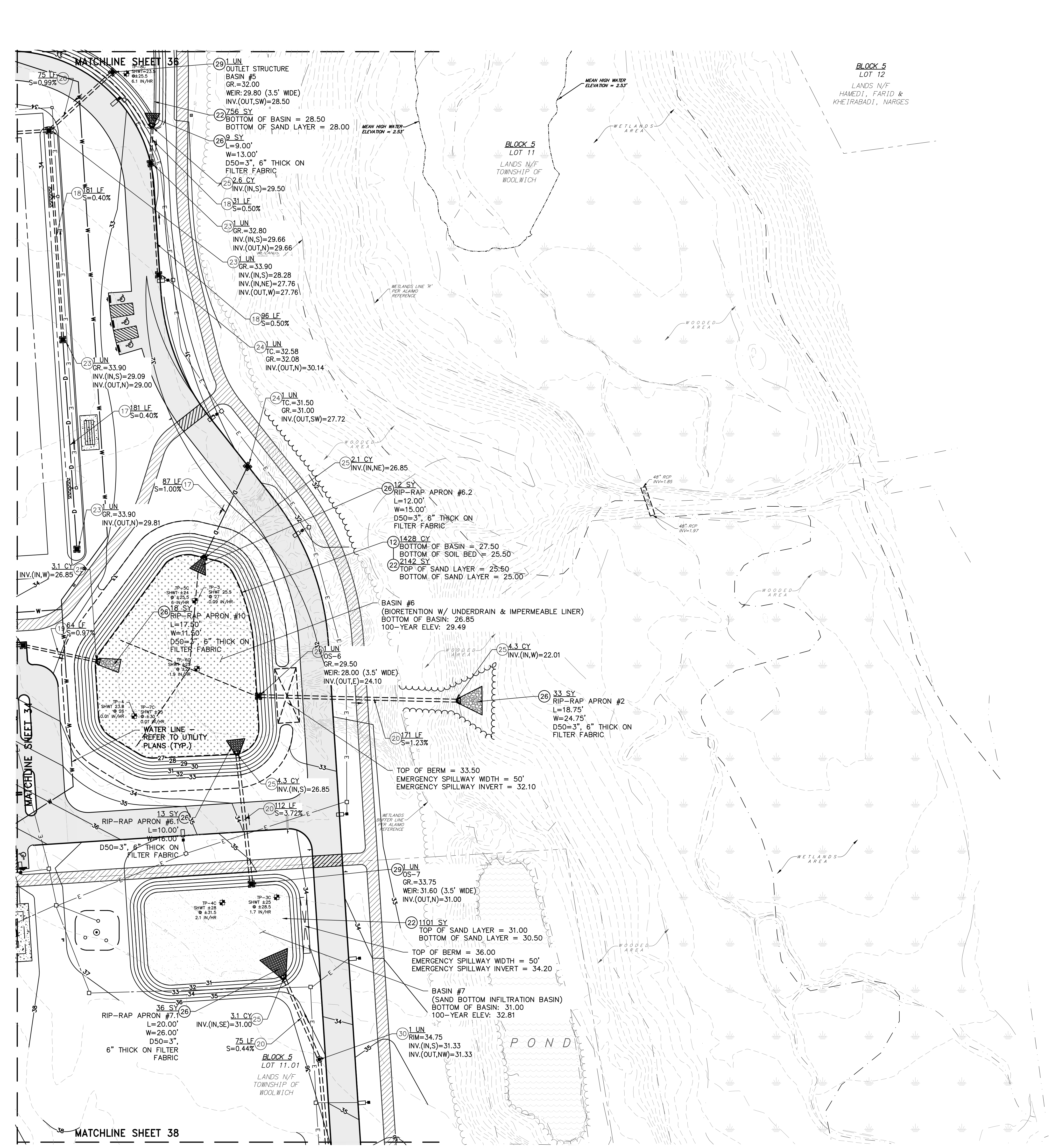
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1	PER NJDEP COMMENTS	04/24/24	JH	JH

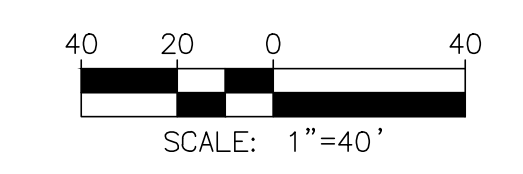
DRAINAGE & UTILITY PLAN
WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
RLR	RLR	DAH	AS NOTED
DATE:	SHEET No.:		
8/15/23	37 of 53		
JOB No.:	08241062		



TO BE CONSTRUCTED

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
12	BIORETENTION BASIN SYSTEM	CY	2077	
17	12" REINFORCED CONCRETE PIPE, CLASS III	LF	268	
18	15" REINFORCED CONCRETE PIPE, CLASS V	LF	308	
19	18" REINFORCED CONCRETE PIPE, CLASS III	LF	64	
20	24" REINFORCED CONCRETE PIPE, CLASS III	LF	433	
22	SAND BOTTOM INFILTRATION BASIN	SY	3999	
23	INLET, TYPE E	UN	4	
24	INLET, TYPE B	UN	2	
25	CONCRETE HEADWALL	CY	19.5	
26	RIPRAP STONE SLOPE PROTECTION, 6" THICK (D50 = 3")	SY	83	
29	OUTLET CONTROL STRUCTURE	UN	3	
30	MANHOLE, 4" DIAMETER	UN	1	



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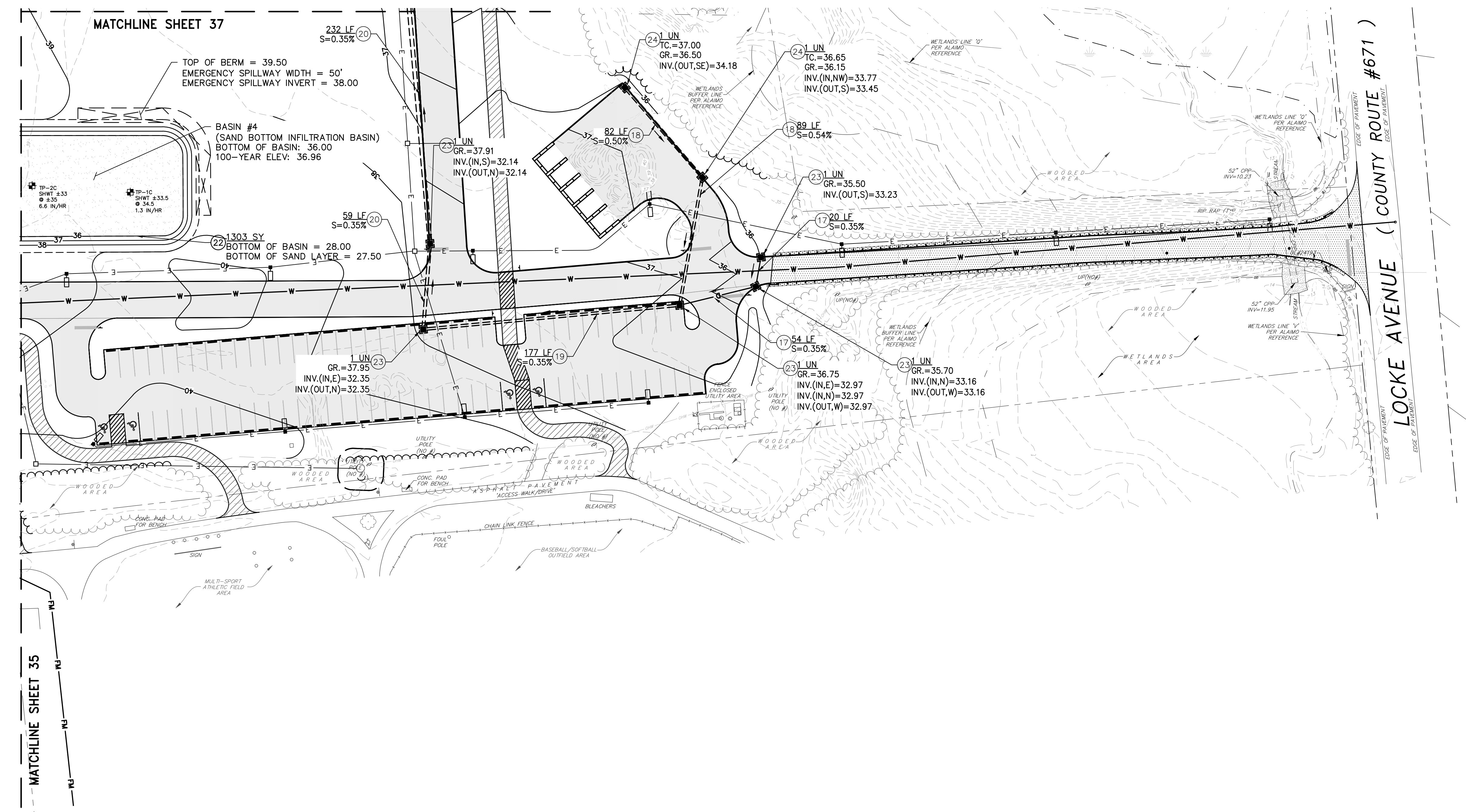
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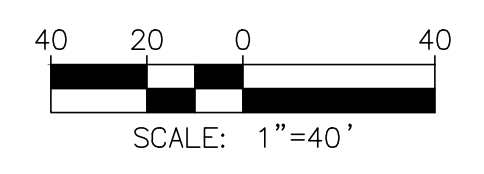
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2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

DRAINAGE & UTILITY PLAN
WOOLWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
RLR	RLR	DAH	AS NOTED
DATE:	SHEET No.:		
8/15/23	38 of 53		
JOB No.:	08241062		



TO BE CONSTRUCTED				
ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
17	12" REINFORCED CONCRETE PIPE, CLASS III	LF	74	
18	15" REINFORCED CONCRETE PIPE, CLASS V	LF	89	
19	18" REINFORCED CONCRETE PIPE, CLASS III	LF	177	
20	24" REINFORCED CONCRETE PIPE, CLASS III	LF	291	
22	SAND BOTTOM INFILTRATION BASIN	SY	1303	
23	INLET, TYPE E	UN	5	
24	INLET, TYPE B	UN	2	





BLOCK 5
LOT 6.05
LANDS N/F
CASEY, ASHLEY &
SCHURR, ANTHONY

HARPER COASTAL WETLANDS
TOWN OF PALM BEACH
MORRIS & CHASE

BLOCK 5
LOT 6.07
LANDS N/F
NEW JERSEY DEPARTMENT
OF ENVIRONMENTAL
PROTECTION

BLOCK 5
LOT 7
LANDS N/F
TOWNSHIP OF
WOOLWICH

BLOCK 5
LOT 11.02
LANDS N/F
TOWNSHIP OF
WOOLWICH

LANDS N/F
TOWNSHIP OF
WOOLWICH

BLOCK 5
LOT 11.01
LANDS N/F
TOWNSHIP OF
WOOLWICH

BLOCK 5
LOT 10
LANDS N/F
TOWNSHIP OF
WOOLWICH

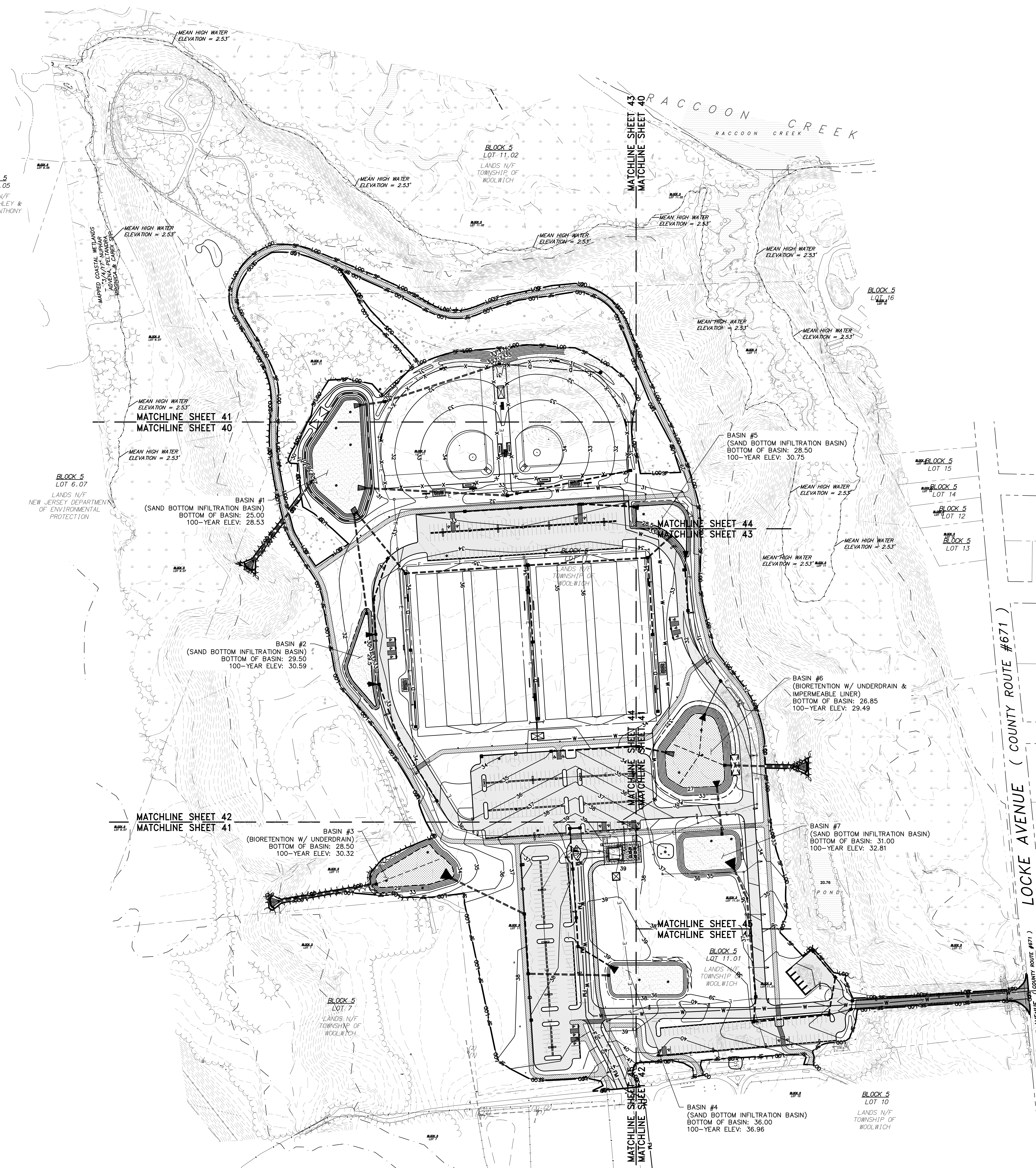
BLOCK 5
LOT 16
TOWN OF

BLOCK 5
LOT 15
TOWN OF

BLOCK 5
LOT 14
TOWN OF

BLOCK 5
LOT 12
TOWN OF

BLOCK 5
LOT 13
TOWN OF



SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)

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REMINGTON & VERNICK ENGINEERS
2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003
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WEB SITE ADDRESS : WWW.RVE.COM
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-ENGINEERING EXCELLENCE-

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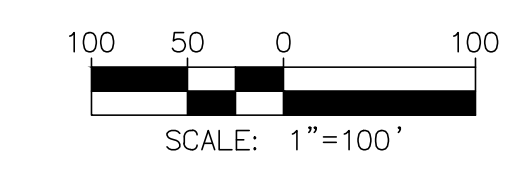
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2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

SOIL EROSION & SEDIMENT CONTROL PLAN - OVERALL
WOOLWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY: RLR	DESIGN BY: RLR	CHECKED BY: DAH	SCALE: AS NOTED
DATE: 8/15/23	SHEET No.: 39 of 53		
JOB No.: 08241062			





SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)

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SOIL EROSION & SEDIMENT CONTROL PLAN

WOODWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODWICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY: RLR	DESIGN BY: RLR	CHECKED BY: DAH	SCALE: AS NOTED
DATE: 8/15/23	JOB No.: 08241062		SHEET No.: 40 of 53



MATCHLINE SHEET 41

MATCHLINE SHEET 43

BLOCK 5
LOT 6.05
LANDS N/F
CASEY, ASHLEY &
SCHURR, ANTHONY

BLOCK 5
LOT 11.02
LANDS N/F
TOWNSHIP OF
WOODWICH

BLOCK 5
LOT 11
LANDS N/F
TOWNSHIP OF
WOODWICH

BLOCK 5
LOT 6.07
LANDS N/F
NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

TOP OF BERM = 31.50
EMERGENCY SPILLWAY WIDTH = 50'
EMERGENCY SPILLWAY INVERT = 30.10

239 LF
S=0.30%

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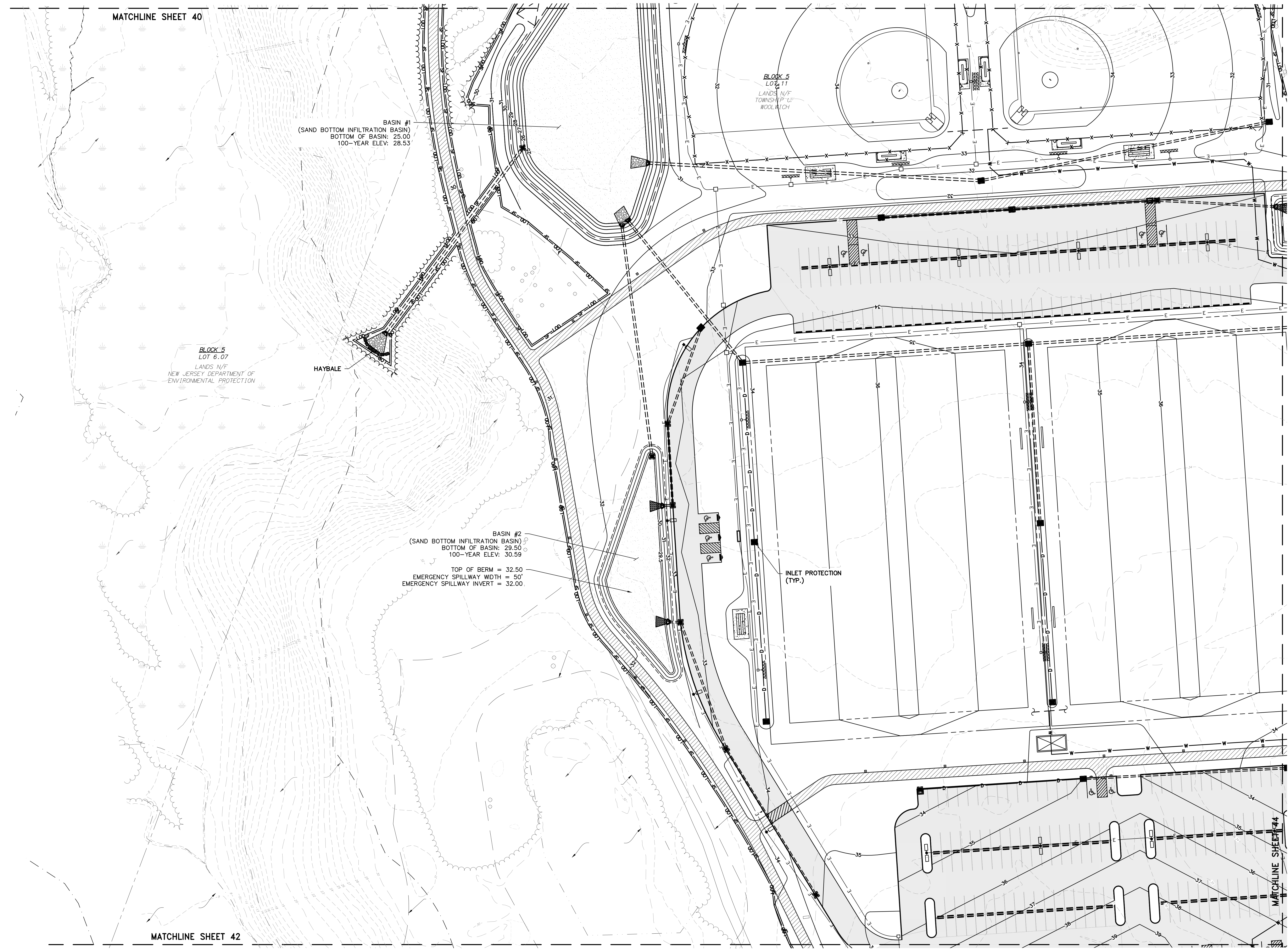
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WOODWICH TOWNSHIP
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TOWNSHIP OF WOODWICH GLOUCESTER COUNTY NEW JERSEY

DATE	DESIGNED BY	CHECKED BY	SCALE
8/15/23	RLR	DAH	AS NOTED
08241062			

41 of 53



MATCHLINE SHEET 40

MATCHLINE SHEET 42

SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)



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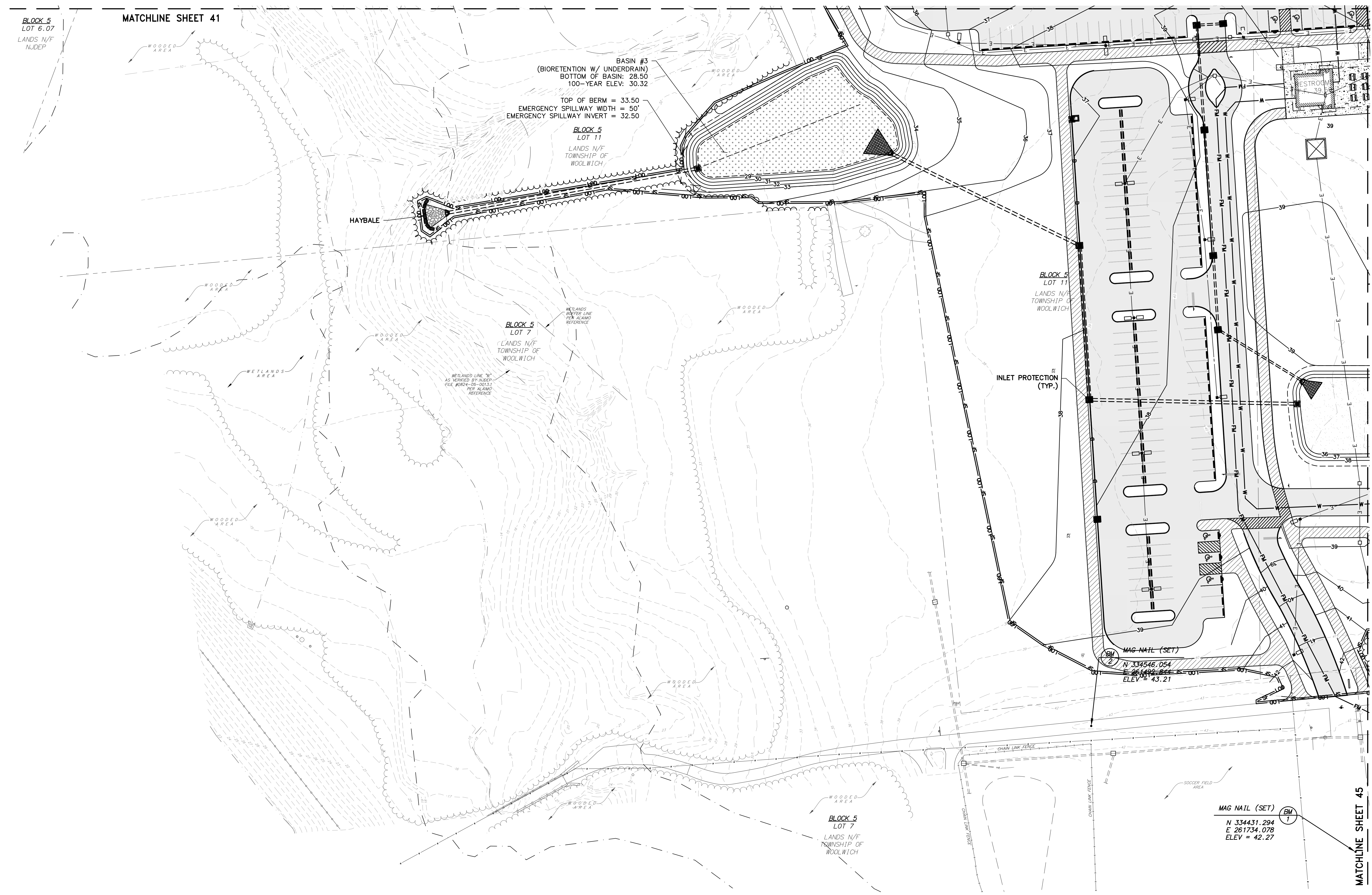
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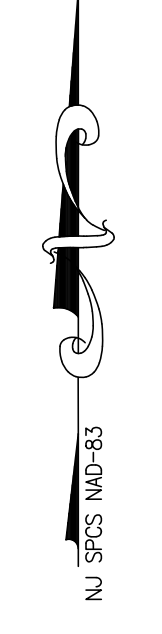


SOIL EROSION & SEDIMENT CONTROL LEGEND

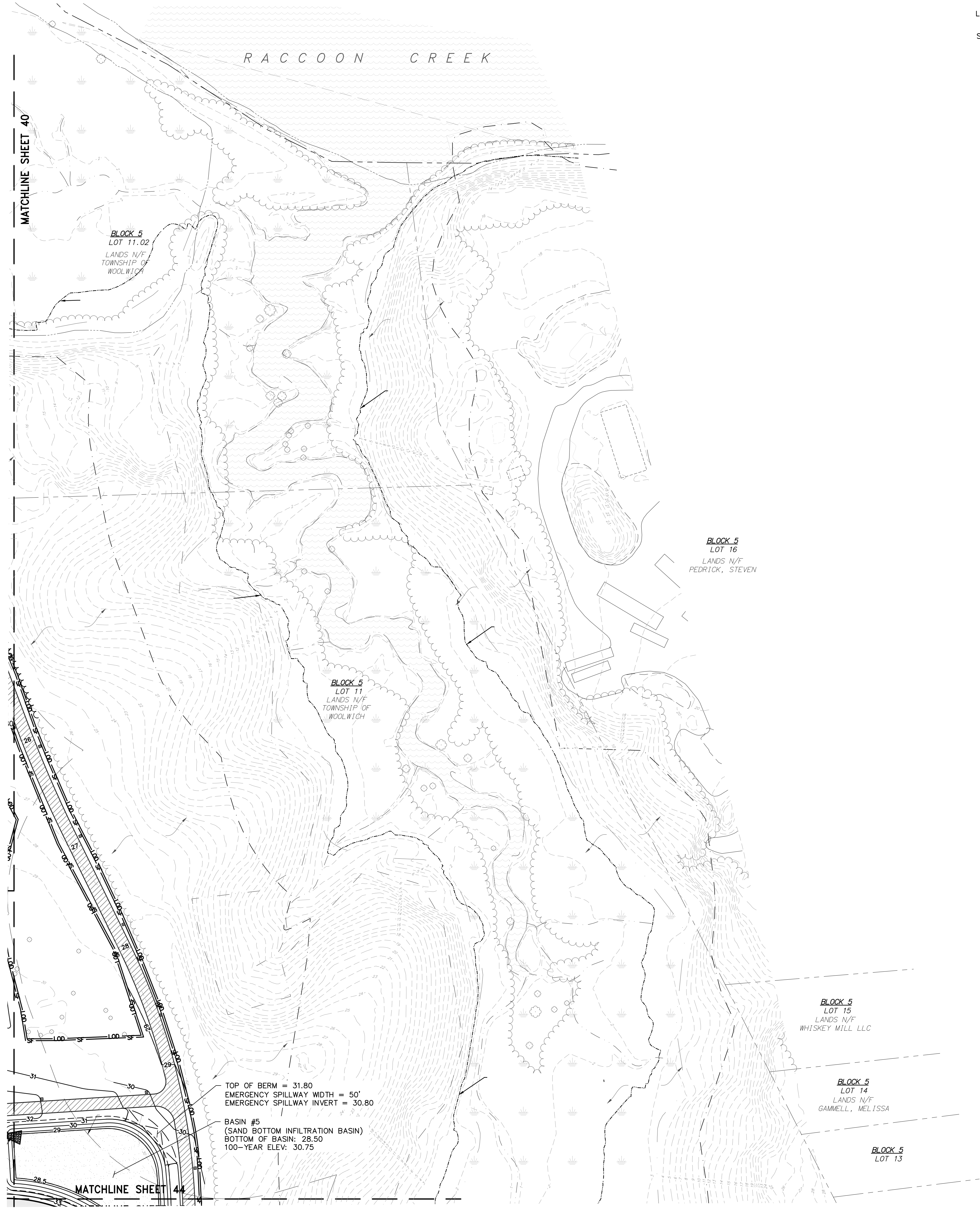
INLET PROTECTION (TYP.) (TYPICAL)

LIMIT OF DISTURBANCE (TYPICAL)

SILT FENCE (TYPICAL)



NJ SPES 1040-83



SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL) L00 L00
- SILT FENCE (TYPICAL) SF SF

RVE

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& VERNICK
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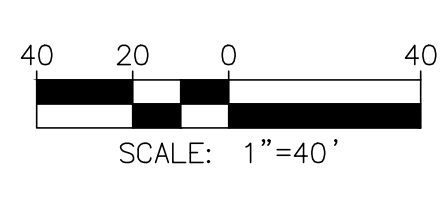
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No.	REVISION	DATE	BY	CHK
2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

SOIL EROSION & SEDIMENT
CONTROL PLAN

WOOLWICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

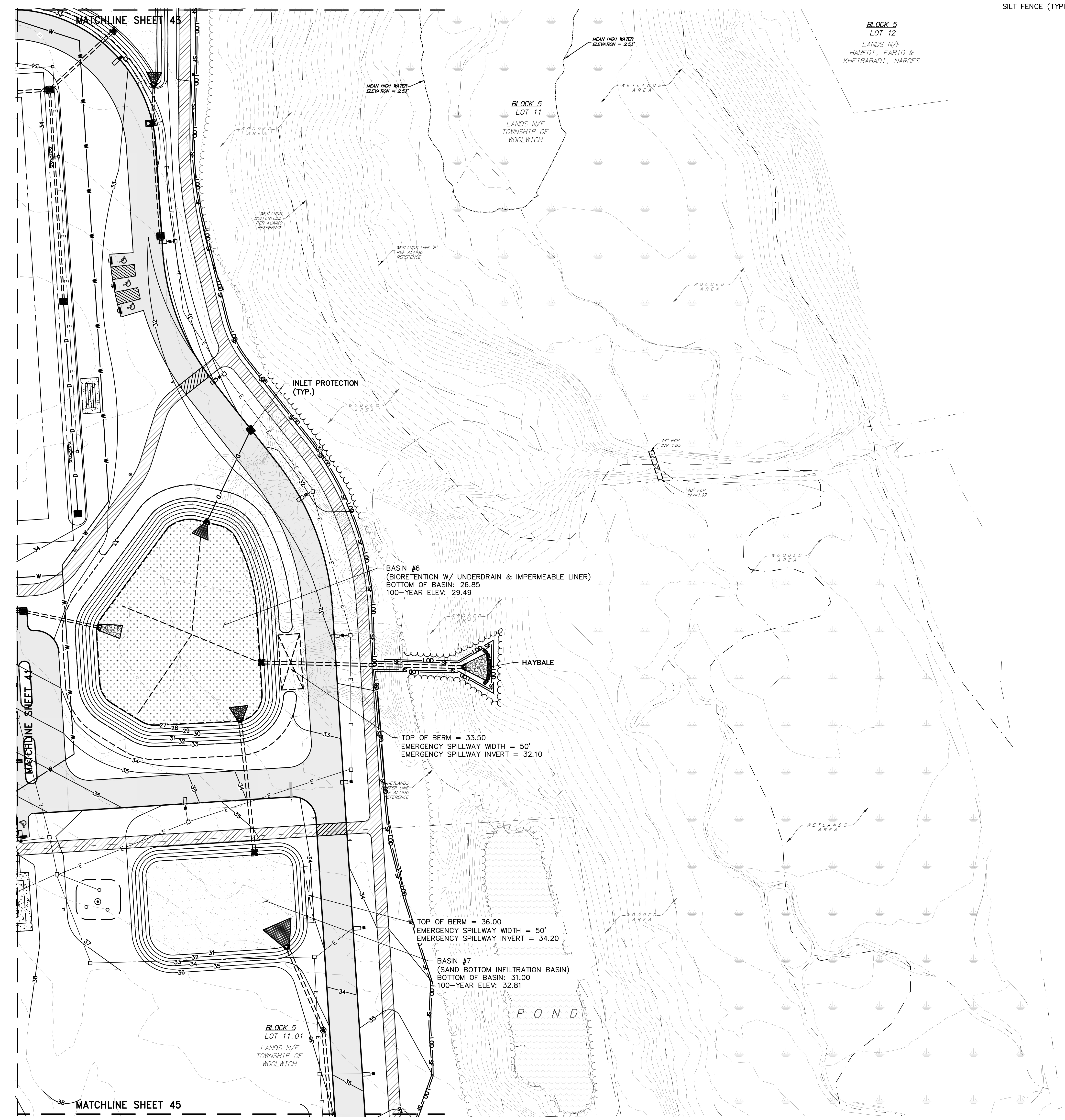
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RLR	RLR	DAH	AS NOTED
DATE:			SHEET No.:
8/15/23			43 of 53
JOB No.:			
08241082			



NJ SPES 1040-83

SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)



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WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
--ENGINEERING EXCELLENCE--

Jessica D. Hauber
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 51487

DATE: 10-01-2024
KENNETH C. RESSLER
NJ PROFESSIONAL ENGINEER LIC. No. 34559

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SOIL EROSION & SEDIMENT CONTROL PLAN

WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODLICH GLOUCESTER COUNTY NEW JERSEY



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DATE: 8/15/23	SHEET No.: 44 of 53		
JOB No.: 08241062			

SOIL EROSION & SEDIMENT CONTROL LEGEND

- INLET PROTECTION (TYP.) (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)

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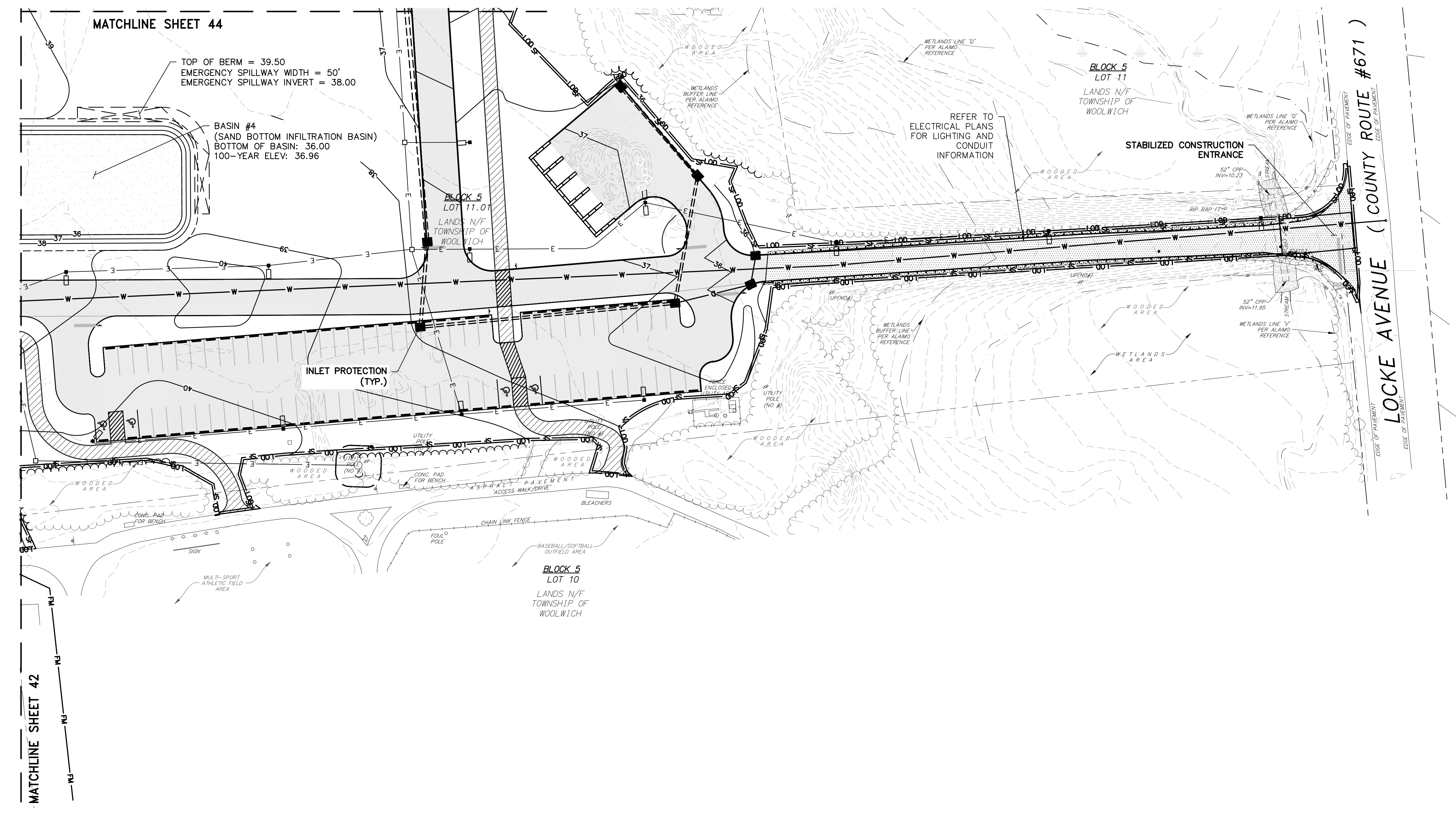
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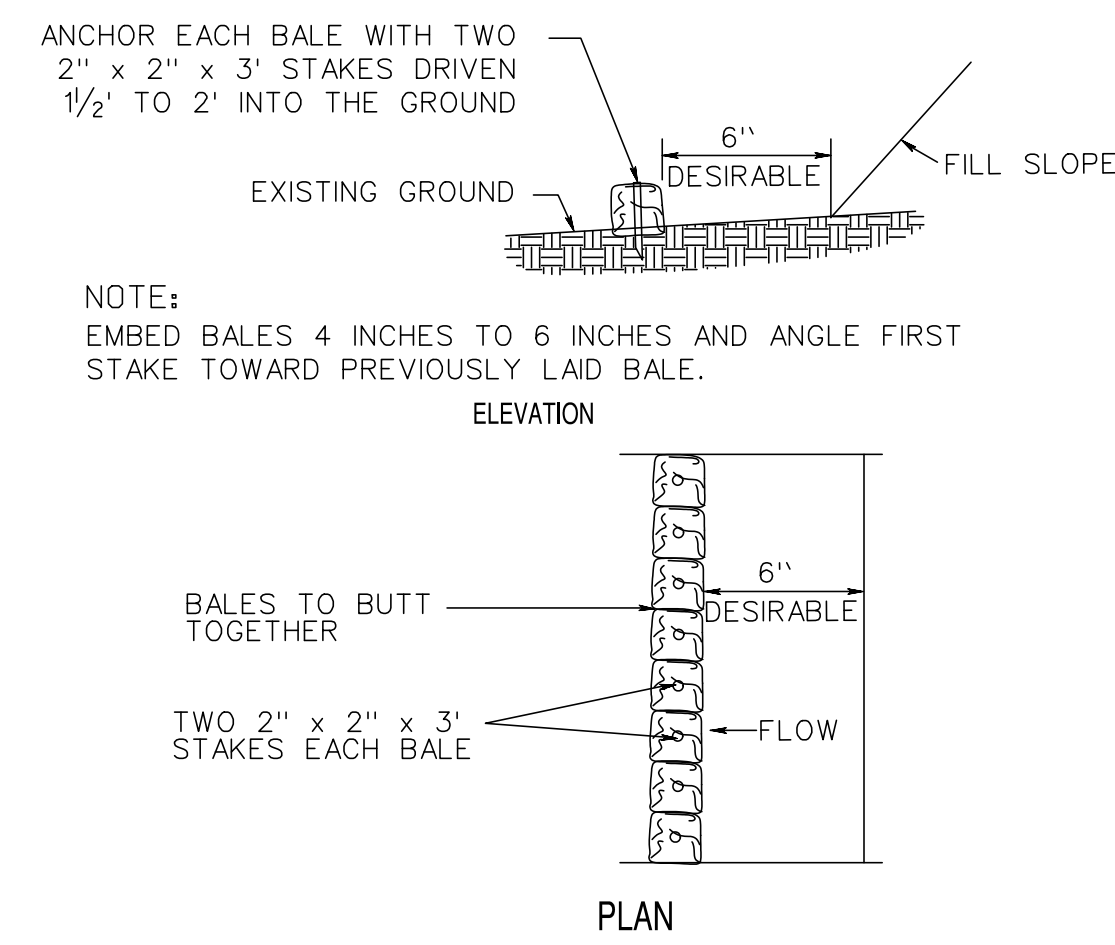
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SOIL EROSION & SEDIMENT CONTROL PLAN

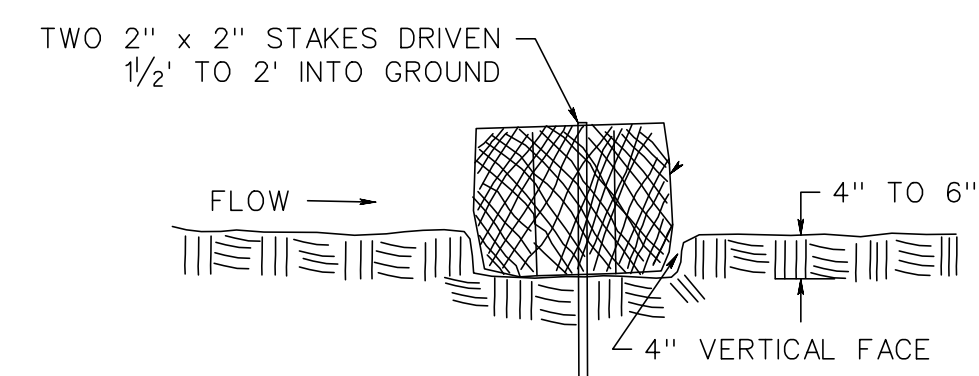
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TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

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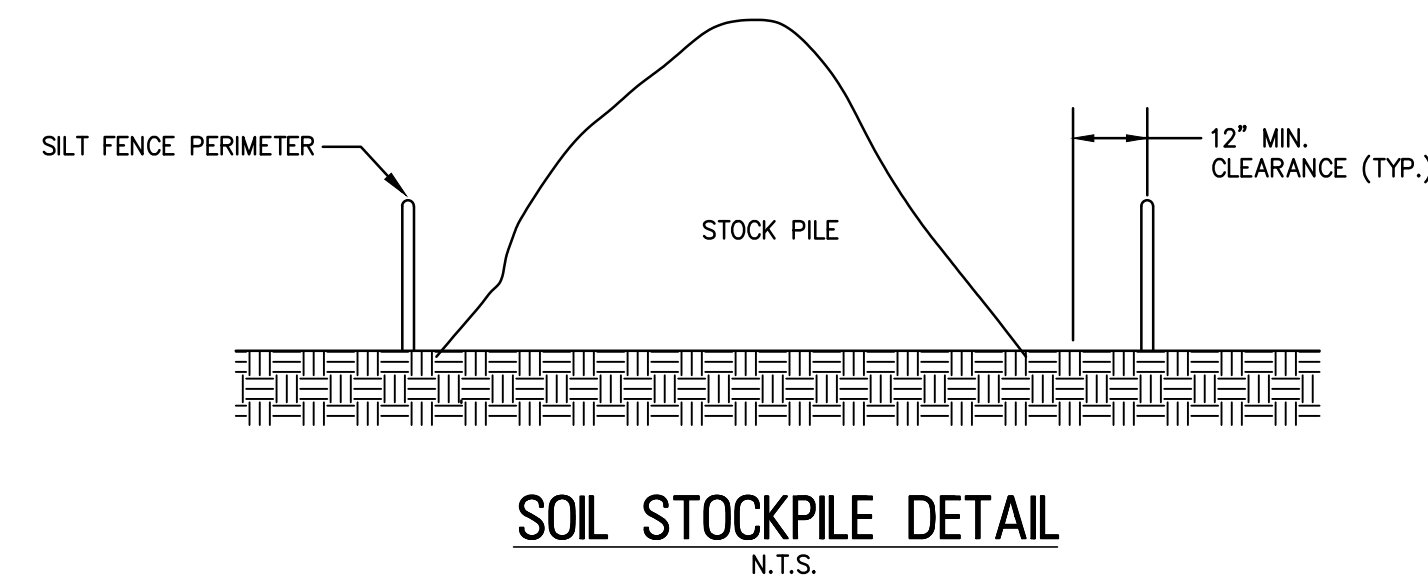




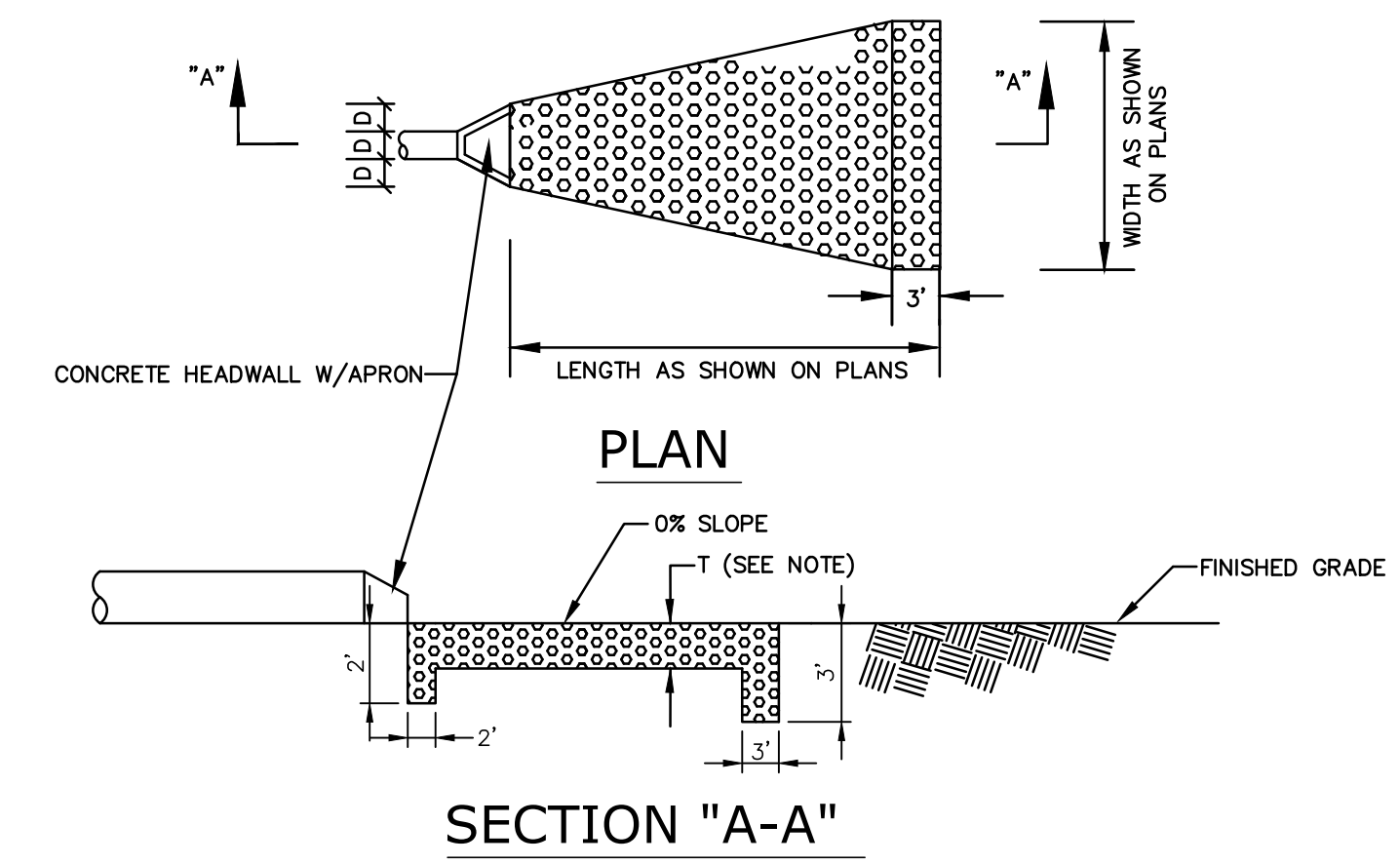
HAYBALES
SCALE: N.T.S.



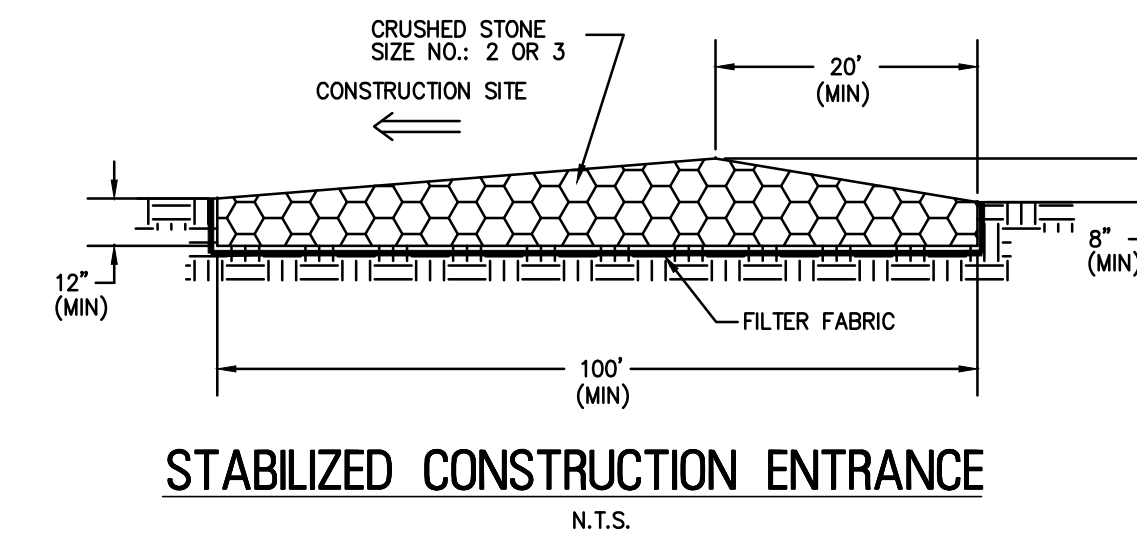
HAYBALE EMBEDDING DETAIL
SCALE: N.T.S.



SOIL STOCKPILE DETAIL
N.T.S.



SECTION "A-A"
RIP RAP SPECIFICATIONS
STONES FOR RIP RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF DURABLE ROCK SUCH THAT 50% OF THE MIXTURE BY WEIGHT SHALL BE LARGER THAN A #50 STONE DIAMETER. MIXTURE OF OTHER SIZES TO FILL THE VOIDS. THE DIAMETER OF THE LARGEST STONE SIZE SHALL BE 1.5 #50. THE MINIMUM THICKNESS (T) OF THE RIP RAP SHALL BE 24" WITH FILTER FABRIC LINING (DUPONT TYFAR STYLE 3341 OR EQUAL) KEYS IN AT ALL EDGES.

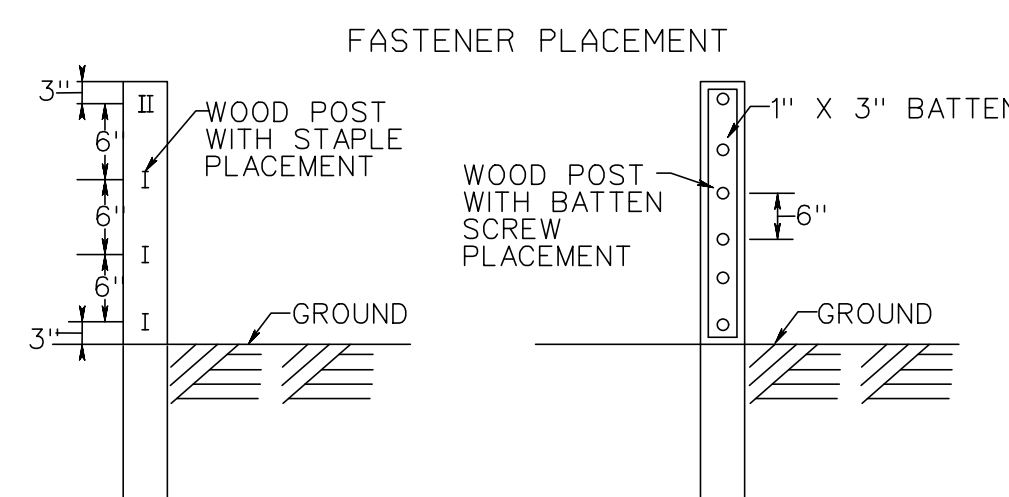


STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

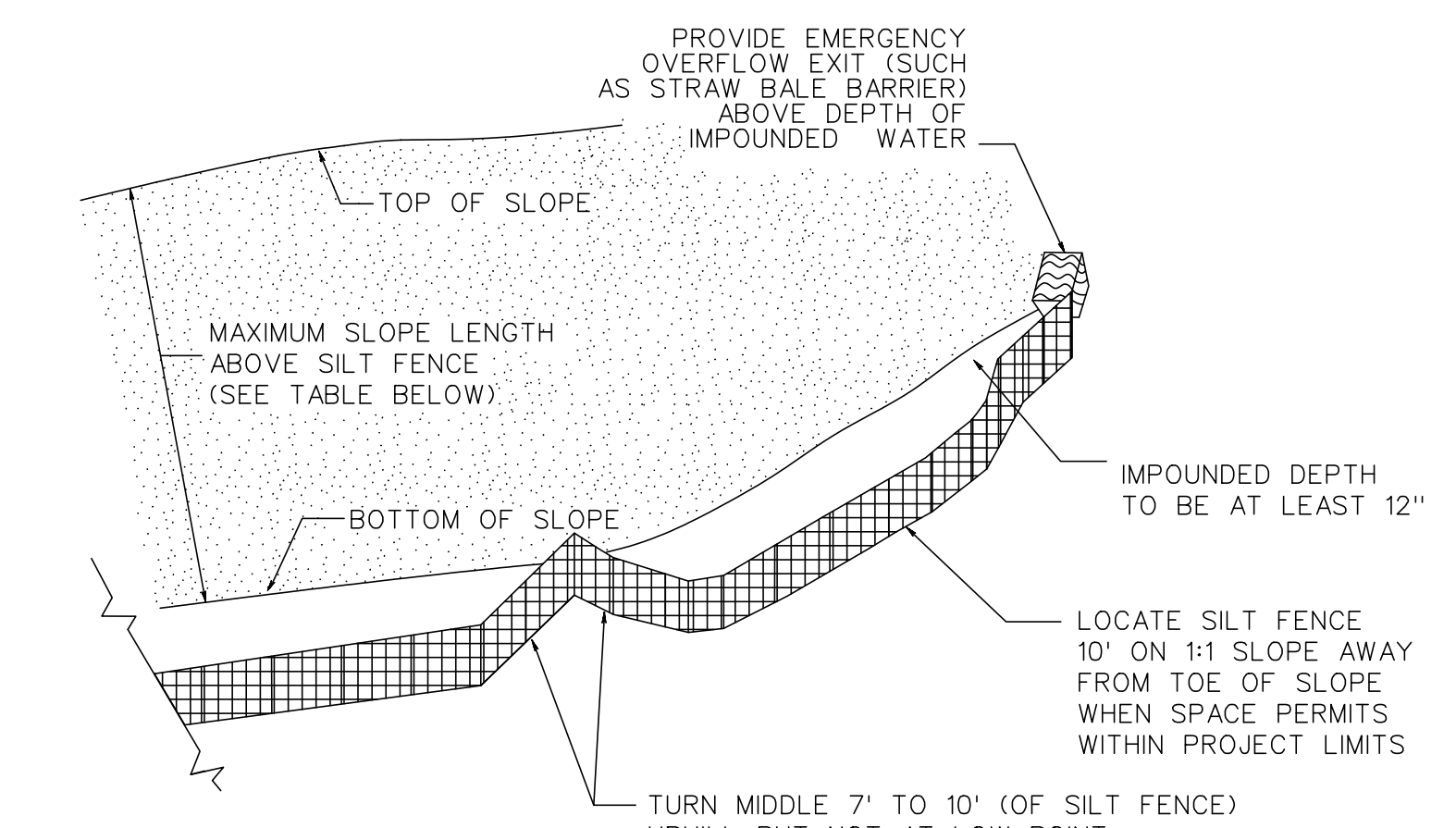
CONDUIT OUTLET RIP RAP APRON DETAIL
N.T.S.

FASTENERS FOR WOOD POSTS			
	GAUGE	CROWN	LEGS
WIRE STAPLES	17 MIN.	3/4" WIDE	1/2" LONG
			5" IN.
STAPES/POST			
	LENGTH	PHILLIPS HEADS	SCREW/POST
SCREWS	2"	2"	6 MIN.

SOURCE: GA SWCC



SILT FENCE FASTENER REQUIREMENTS
SCALE: N.T.S.

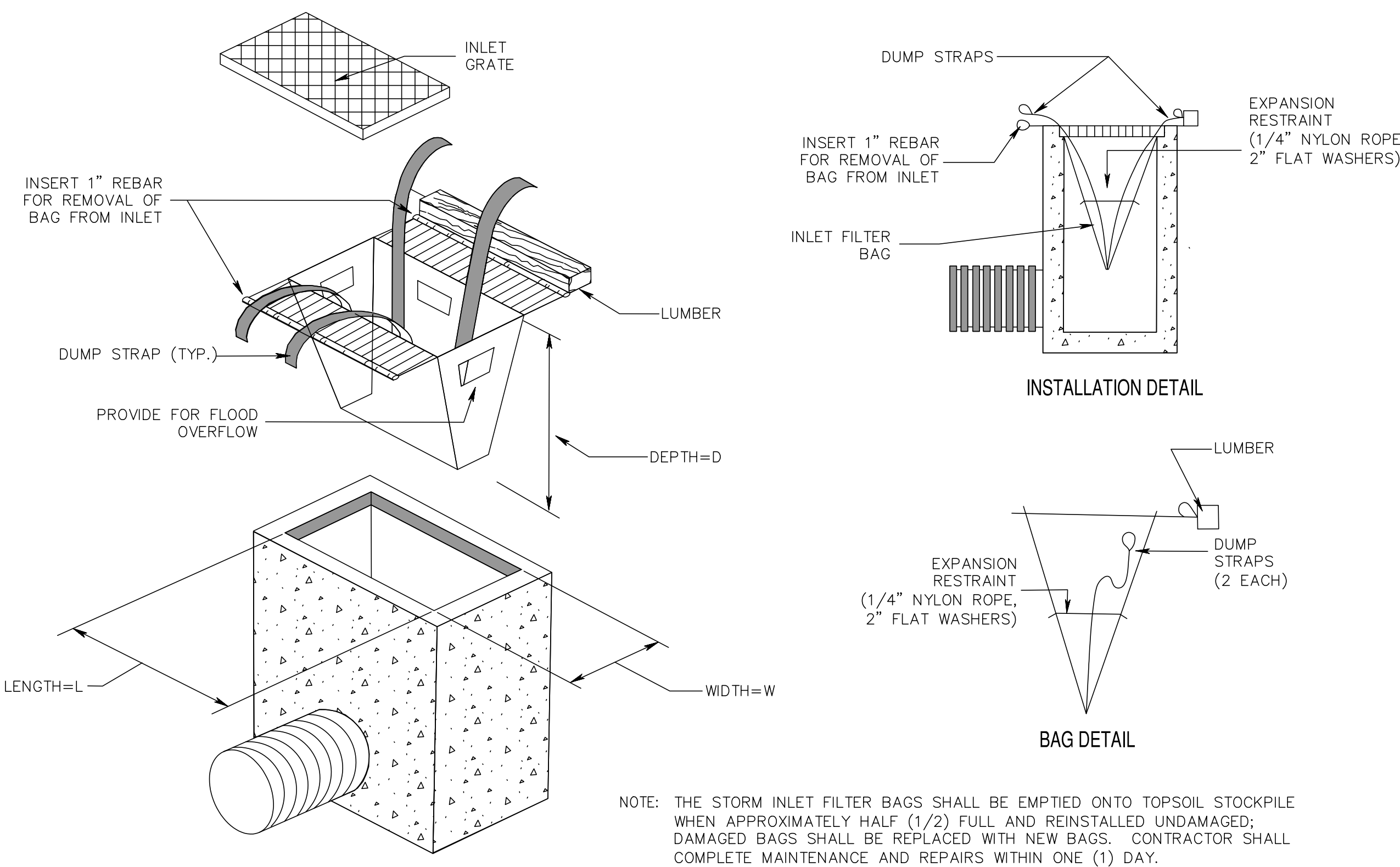


CRITERIA FOR SILT FENCE PLACEMENT

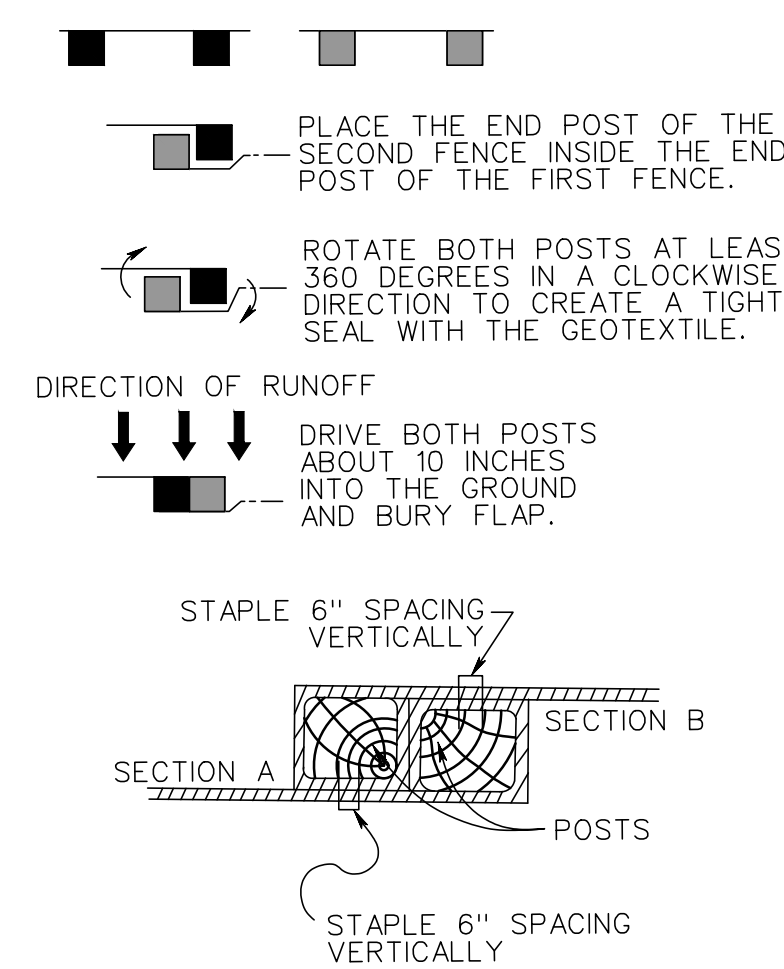
LAND SLOPE (PERCENT)	MAXIMUM SLOPE LENGTH ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20 *	15

* IN AREAS WHERE THE SLOPE IS GREATER THAN 20%, PROVIDE A FLAT AREA LENGTH OF 10 FEET BETWEEN THE TOE OF THE SLOPE AND THE FENCE TO BE PROVIDED.

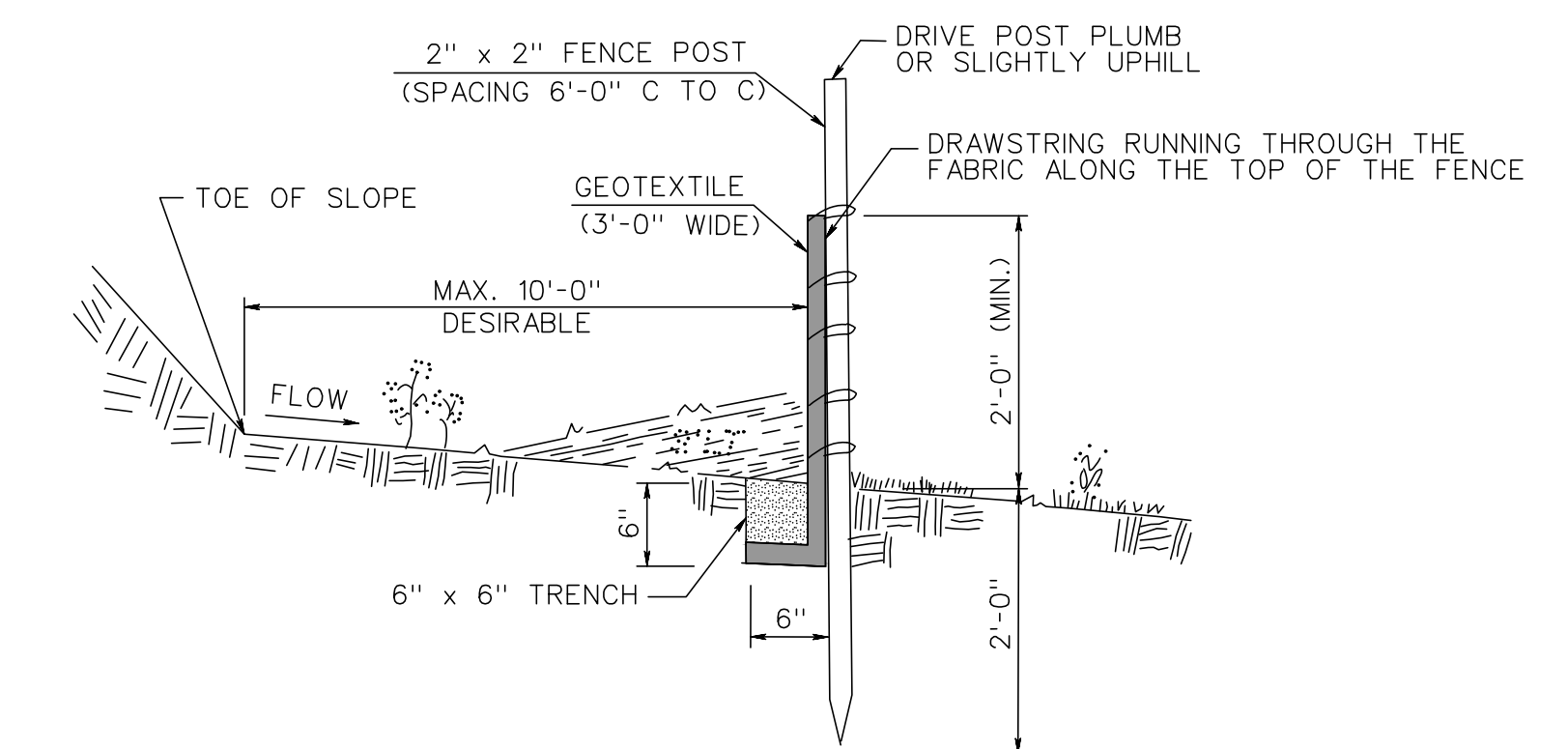
SILT FENCE ON A STEEP OR LONG GRADE
SCALE: N.T.S.



INLET FILTER, TYPE 2
SCALE: N.T.S.



ATTACHING TWO SILT FENCES
SCALE: N.T.S.



NOTES:

1. SECURELY FASTEN GEOTEXTILE TO FENCE POST BY USE OF WIRE TIES, HOC RINGS, STAPLES, OR POCKETS. FOUR TO SIX FASTENERS PER POST.
2. BURY BOTTOM 1'-0" OF GEOTEXTILE AND TAMP IN PLACE.
3. SECURELY FASTEN ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE TO A POST BY WRAPPING EACH END OF THE GEOTEXTILE AROUND THE POST TWICE AND ATTACHING AS SPECIFIED IN NOTE 1 ABOVE. DO NOT SPLICE INDIVIDUAL ROLLS AT LOW POINTS.
4. SET SILT FENCE WITHIN PROJECT LIMITS. 10'-0" IS DESIRABLE.

SILT FENCE
SCALE: N.T.S.

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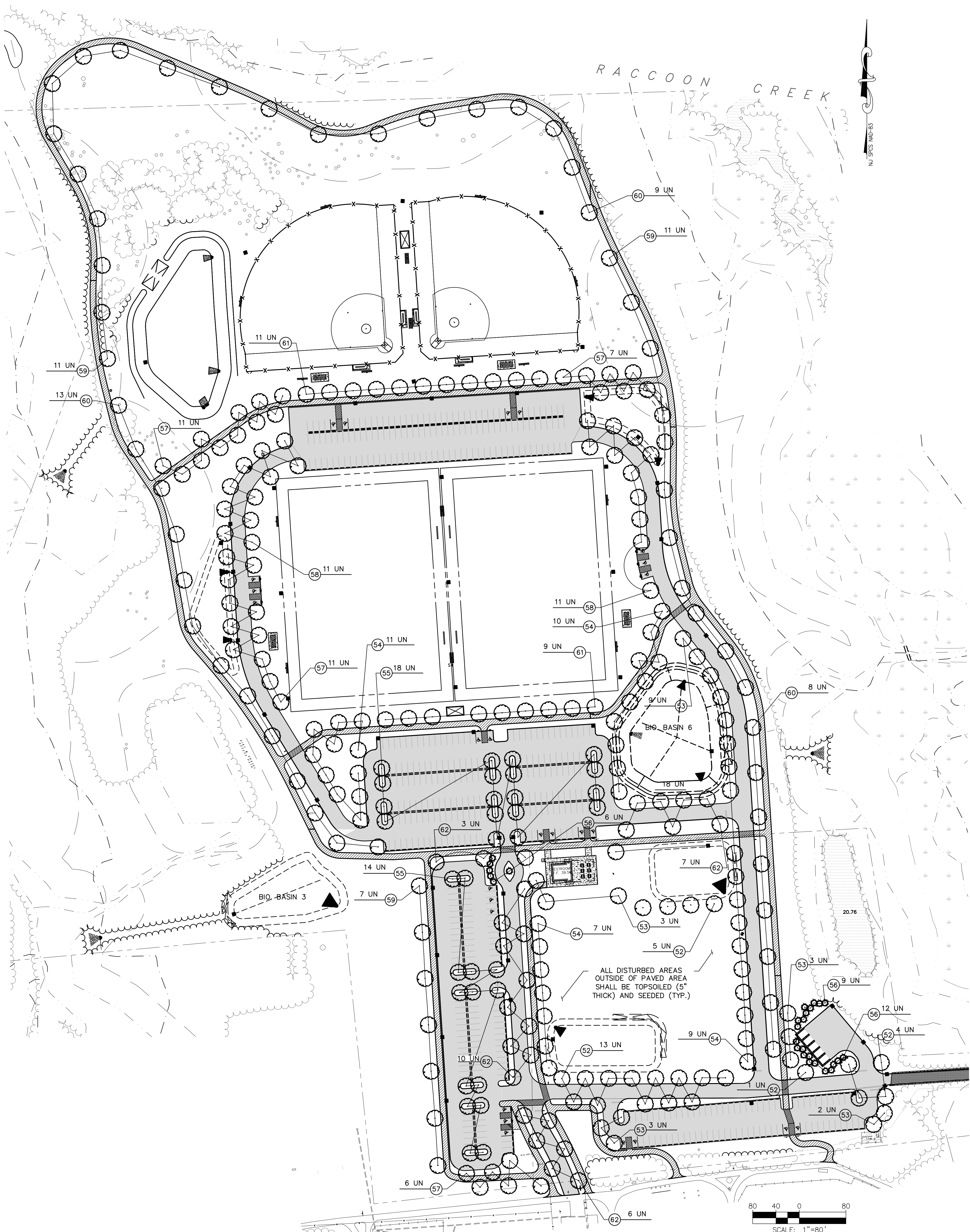
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SOIL EROSION & SEDIMENT CONTROL DETAILS
WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
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TOWNSHIP OF WOOLWICH
GLOUCESTER COUNTY
NEW JERSEY

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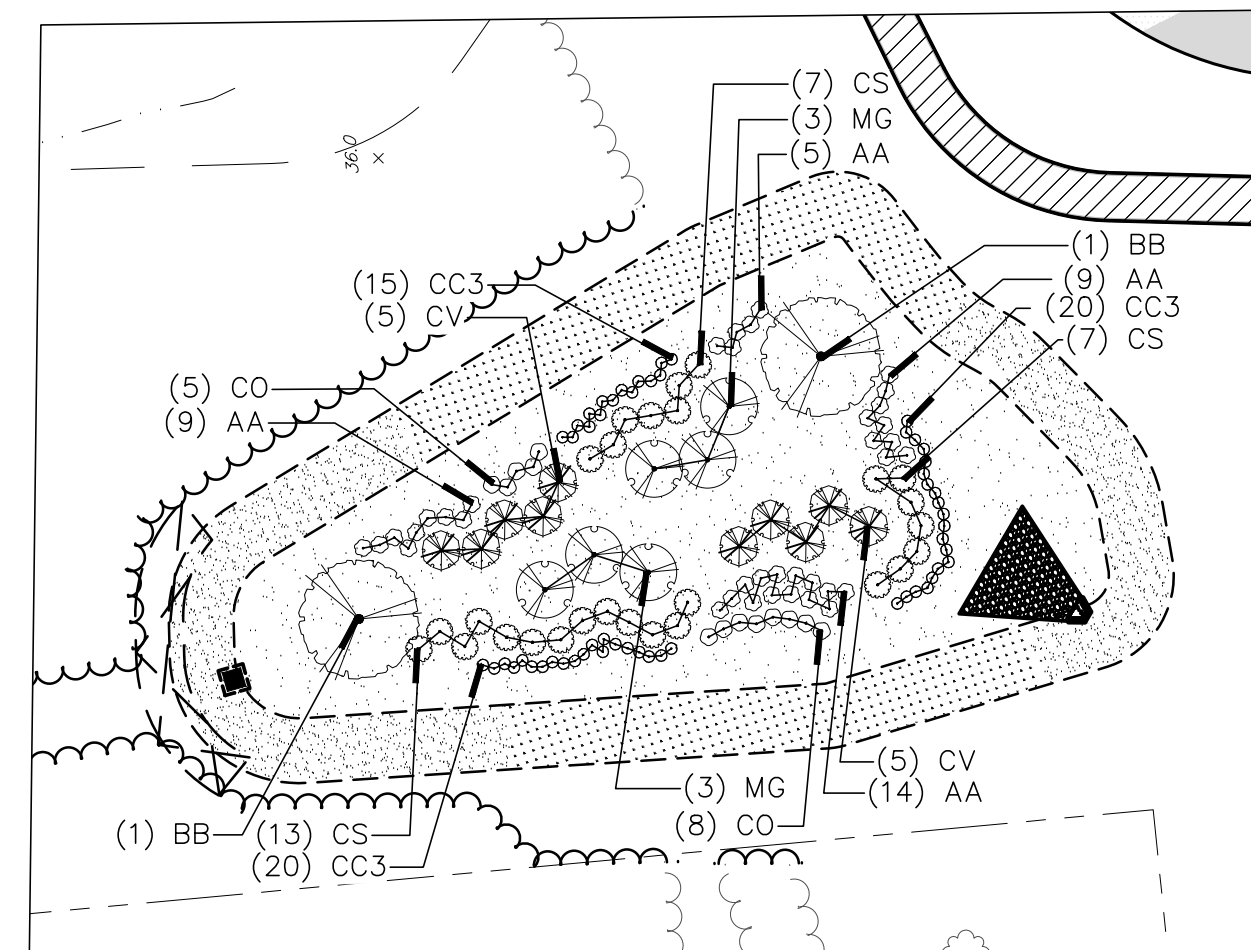


TO BE CONSTRUCTED				
ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
52	ACER RUBRUM 'OCTOBER GLORY', OCTOBER GLORY RED MAPLE, 2"-2.5" CAL., B&B	UN	23	
53	CERCIS CANADENSIS 'FOREST PANSY', FOREST PANSY REDBUD, 2"-2.5" CAL., B&B	UN	20	
54	CLADRASTIS KENTUCKEA, YELLOWWOOD, 2"-2.5" CAL., B&B	UN	37	
55	GLEDITSIA TRIACANTHOS 'SHADEMASTER', SHADEMASTER HONEYLOCUST, 2"-2.5" CAL., B&B	UN	32	
56	JUNIPERUS VIRGINIANA 'CORCORCOR', EMERALD SENTINEL EASTERN RED CEDAR, 2"-2.5" CAL., B&B	UN	27	
57	MAGNOLIA VIRGINIANA 'GREEN MILE', GREEN MILE SWEETBAY MAGNOLIA, 2"-2.5" CAL., B&B	UN	50	
58	NYSSA SYLVATICA 'GREEN GABLE', GREEN GABLE BLACK GUM, 2"-2.5" CAL., B&B	UN	22	
59	QUERCUS BICOLOR, SWAMP WHITE OAK, 2"-2.5" CAL., B&B	UN	29	
60	QUERCUS PHELLOS, WILLOW OAK, 2"-2.5" CAL., B&B	UN	30	
61	TILIA AMERICANA 'REDMOND', REDMOND LINDEN, 2"-2.5" CAL., B&B	UN	20	
62	ULMUS AMERICANA 'PRINCETON', PRINCETON AMERICAN ELM, 2"-2.5" CAL., B&B	UN	26	
63	BETULA NIGRA 'CULLY', HERITAGE RIVER BIRCH, 2"-2.5" CAL., B&B	UN	6	
64	CHIONANTHUS VIRGINICUS, WHITE FRINGETREE, 5'-6" HT., #10 CAN	UN	38	
65	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA', BRILLIANT CHOKEBERRY, 18"-24" HT., #3 CAN	UN	86	
66	CEPHALANTHUS OCCIDENTALIS 'SMOOS', SUGAR SHACK BUTTONBUSH, 24"-30" HT., #3 CAN	UN	66	
67	CLETHRA ALNIFOLIA 'COMPACTA', COMPACT SUMMERSWEET, 18"-24" HT., #3 CAN	UN	98	
68	CORNUS SERICA 'CARDINAL', CARDINAL RED TWIG DOGWOOD, 30"-36" HT., #3 CAN	UN	65	

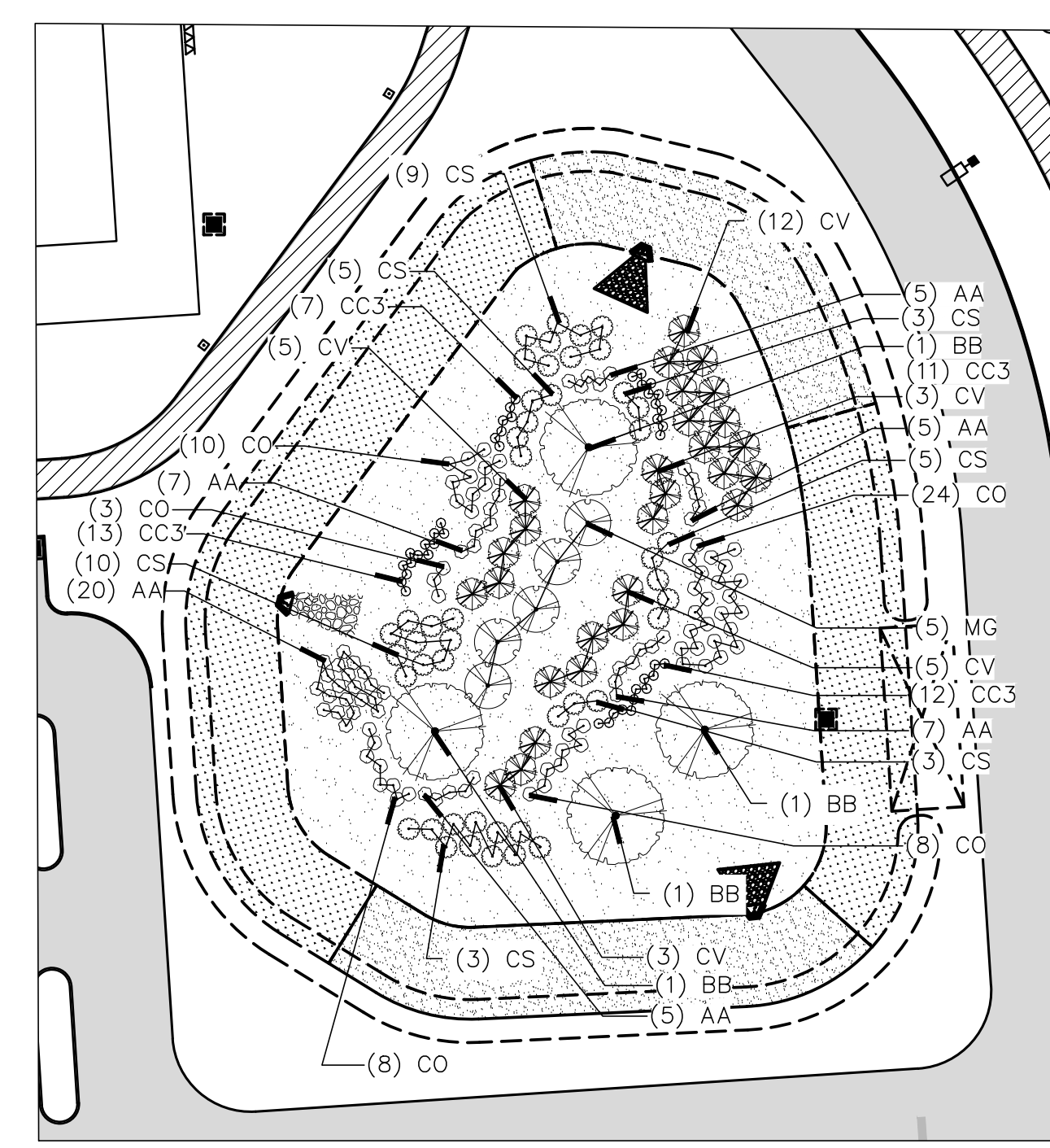
PLANT LIST						
ITEM NO.	KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
52	AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	23	2"-2.5" CAL.	B&B
53	CC	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	20	2"-2.5" CAL.	B&B
54	CK	CLADRASTIS KENTUCKEA	YELLOWWOOD	37	2"-2.5" CAL.	B&B
55	GT	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	32	2"-2.5" CAL.	B&B
56	JV	JUNIPERUS VIRGINIANA 'CORCORCOR'	EMERALD SENTINEL EASTERN RED CEDAR	27	2"-2.5" CAL.	B&B
57	MG	MAGNOLIA VIRGINIANA 'GREEN MILE'	GREEN MILE SWEETBAY MAGNOLIA	50	2"-2.5" CAL.	B&B
58	NS	NYSSA SYLVATICA 'GREEN GABLE'	GREEN GABLE BLACK GUM	22	2"-2.5" CAL.	B&B
59	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	29	2"-2.5" CAL.	B&B
60	OP	QUERCUS PHELLOS	WILLOW OAK	30	2"-2.5" CAL.	B&B
61	TA	TILIA AMERICANA 'REDMOND'	REDMOND LINDEN	20	2"-2.5" CAL.	B&B
62	UA	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	26	2"-2.5" CAL.	B&B
63	BB	BETULA NIGRA 'CULLY'	HERITAGE RIVER BIRCH MULTI-TRUNK	6	2"-2.5" CAL.	B&B
64	CV	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	38	5'-6" HT	#10 CAN
65	AA	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANT RED CHOKEBERRY	86	18"-24" HT	#10 CAN
66	CO	CEPHALANTHUS OCCIDENTALIS 'SMOOS'	SUGAR SHACK BUTTONBUSH	66	24"-30" HT	#10 CAN
67	CC3	CLETHRA ALNIFOLIA 'COMPACTA'	COMPACT SUMMERSWEET	98	18"-24" HT	#10 CAN
68	CS	CORNUS SERICA 'CARDINAL'	CARDINAL RED TWIG DOGWOOD	65	18"-24" HT	#10 CAN

NOTES:
 1. THE FOLLOWING ARE CONSIDERED "FALL DIG HAZARDS" AND SHOULD ONLY BE PLANTED IN THE SPRING:
 * ACER RUBRUM
 * NYSSA SYLVATICA
 * QUERCUS SPP.

2. ALL EXTERIOR GROUND AREAS NOT OCCUPIED BY BUILDINGS, STRUCTURES AND PAVING (EXCEPT AREAS INDICATED TO BE UNDISTURBED AND PLANTING BEDS) SHALL BE LAWN AREAS.



BIORETENTION BASIN #3
 SCALE: 1"=40'



BIORETENTION BASIN #6
 SCALE: 1"=40'

BIORETENTION BASIN SEED MIX LEGEND

Rain Garden Mix - ERNMX-180 - TYP. 10,160 SQUARE FEET - .23 AC	Basin Floor Mix - ERNMX-126 - TYP. 21,425 SQUARE FEET - .49 AC
Rain Garden Grass Mix - ERNMX-180-1 - TYP. 8,885 SQUARE FEET - .20 AC	

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LANDSCAPE PLAN
 WOODWICH TOWNSHIP
 LOCKE AVENUE PARK DEVELOPMENT
 PHASE 1
 TOWNSHIP OF WOODWICH GLOUCESTER COUNTY NEW JERSEY

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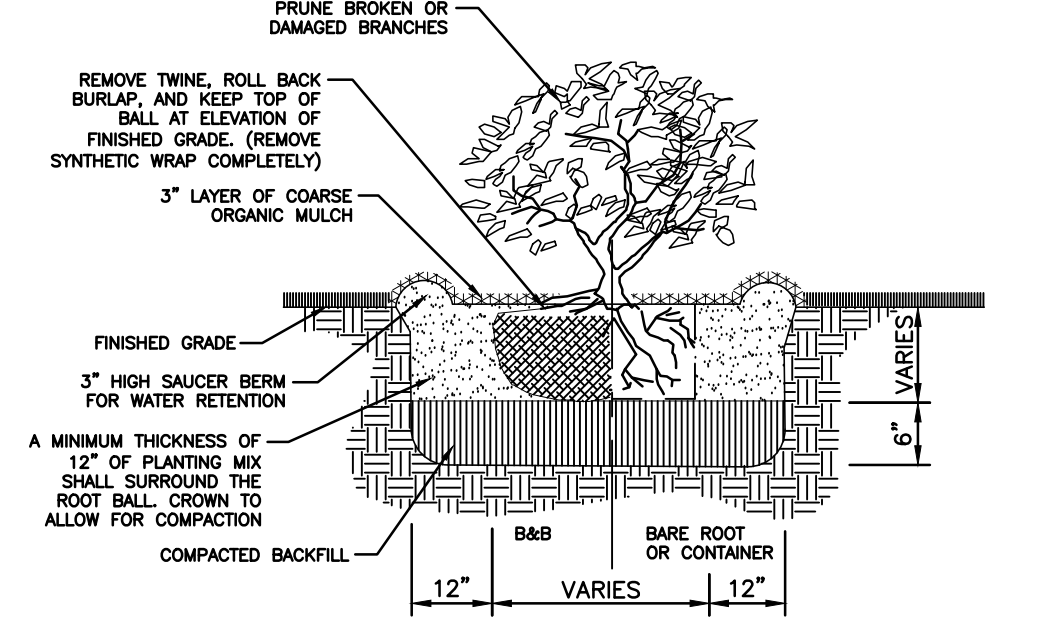
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LANDSCAPE PLAN NOTES & DETAILS
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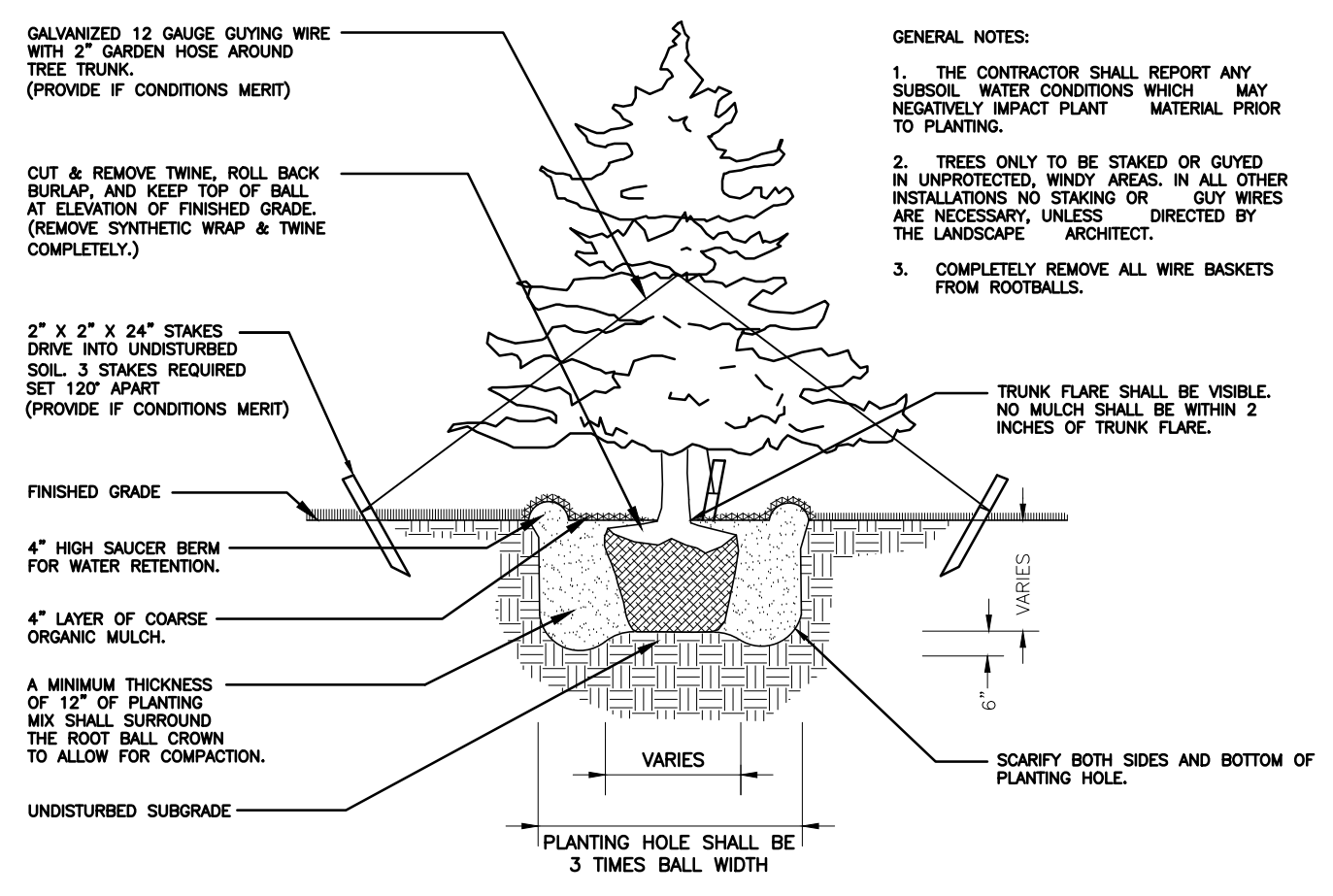
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PLANTING NOTES:

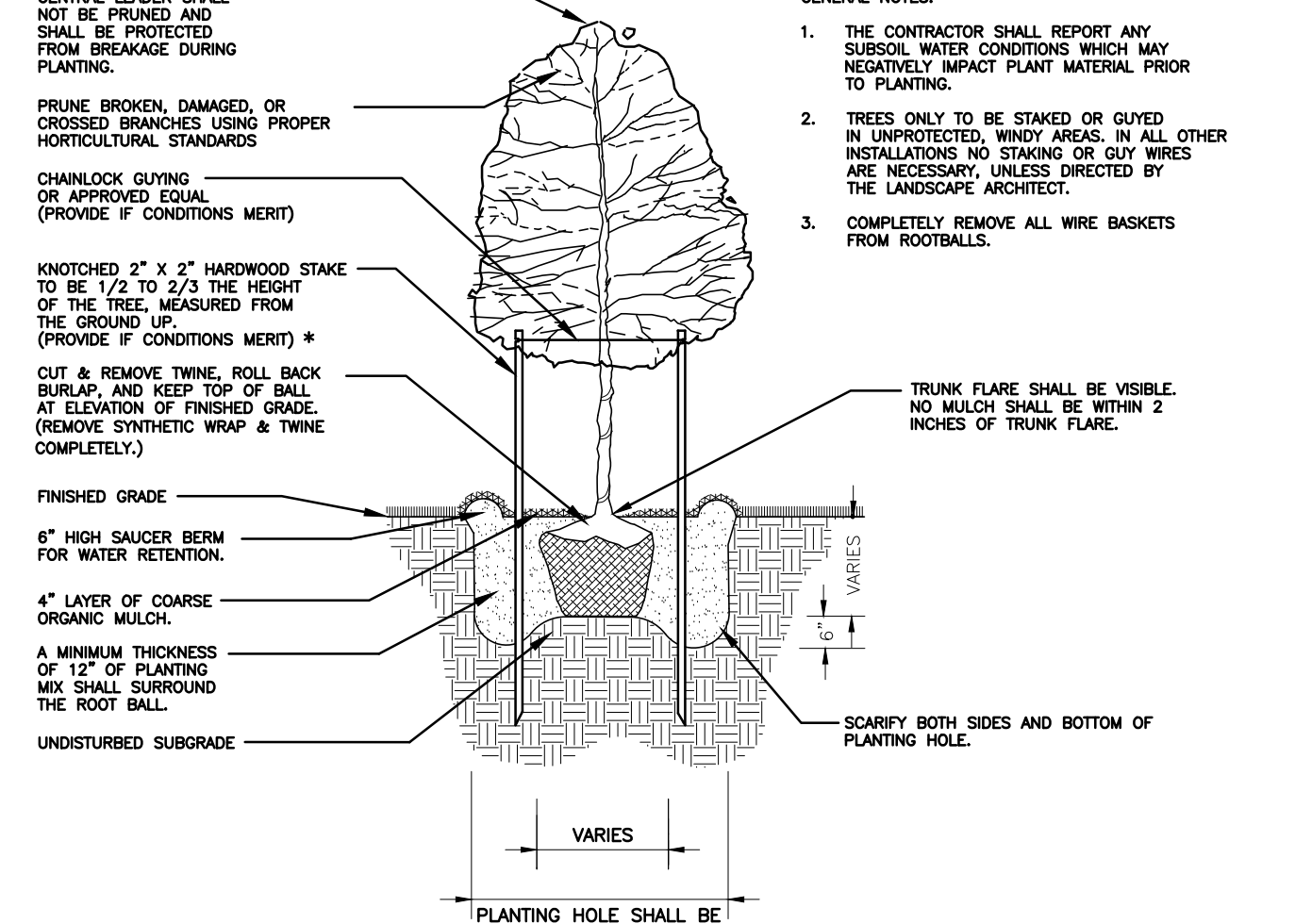
- A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF QUANTITIES, SIZES, AND OTHER REQUIREMENTS IS SHOWN ON THE PLANT LIST. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN THE QUANTITIES OF PLANTS INDICATED IN THE PLANT LIST AND THOSE INDICATED ON THE PLAN, THE PLANT QUANTITIES INDICATED ON THE PLAN SHALL GOVERN.
- NO SUBSTITUTIONS SHALL BE ACCEPTED, EXCEPT WITH WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT OR HIS AGENT.
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFESTATIONS. ALL PLANT MATERIAL INSTALLED BETWEEN OCTOBER AND MARCH 15 SHALL BE THOROUGHLY WETTED WITH AN ANTI-TRANSPIRANT UPON DELIVERY OF THE MATERIAL TO THE SITE.
- QUALITY AND SIZE OF PLANT, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1) AS PUBLISHED BY AMERICANHORT. THE TRANSPLANTING AND PLANTING OF TREES AND SHRUBS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF ANSI Z60.1 PART 6: TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE-STANDARD PRACTICES (TRANSPLANTING).
- ALL PLANTS SHALL BE PACKED, TRANSPORTED AND HANDLED WITH UTMOST CARE TO INSURE ADEQUATE PROTECTION AGAINST INJURY AND DEHYDRATION. EACH SHIPMENT SHALL BE CERTIFIED TO BE FREE FROM DISEASES AND INFESTATION. ANY INSPECTION CERTIFICATES REQUIRED BY LAW TO THIS EFFECT SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER OF STOCK, AND ON ARRIVAL, THE CERTIFICATE SHALL BE FILED WITH THE LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL SHALL BE PLANTED BY THE CONTRACTOR UNTIL IT IS INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR HIS AGENT AT THE SITE. THE LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF THE MATERIALS. ALL REJECTED MATERIALS SHALL BE IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST.
- DECIDUOUS AND EVERGREEN TREES SHALL BE FIELD ADJUSTED TO MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET FROM ANY OVERHEAD UTILITY WIRES AND/OR UNDERGROUND UTILITIES.
- DECIDUOUS AND EVERGREEN TREES SHALL BE PLANTED AT LEAST TWO (2) FEET FROM ANY CURBING, PAVING, OR SIDEWALK. WHENEVER POSSIBLE THIS DIMENSION SHOULD BE INCREASED TO FOUR (4) FEET. ALL PLANTINGS, EXCEPT GROUND COVERS, SHOULD BE PLANTED AT LEAST TWO (2) FEET FROM ANY BUILDING AND FIVE (5) FEET FROM ABOVE AND BELOW GROUND UTILITIES.
- PLANTING MIXTURE SHALL CONSIST OF 70%~~50%~~ EXISTING SOIL FROM THE PLANTING SITE AND 30% HUMUS OR MUSHROOM SOIL. PRIOR TO USING EXISTING TOPSOIL, REMOVE ALL FOREIGN DEBRIS AND ALL ROCKS OR STONES LARGER THAN 2 INCHES. EACH CUBIC YARD SHALL BE ADDED AND INCORPORATED BY THOROUGHLY MIXING, FOUR POUNDS OF COMMERCIAL FERTILIZER HAVING AN ANALYSIS OF 6-6-6.
- ALL PLANTS (BAG OR CONTAINER) SHALL BE PROPERLY IDENTIFIED BY WEATHERPROOF LABELS AND SECURELY ATTACHED THEREON BEFORE DELIVERY TO THE PROJECT SITE. LABELS SHALL IDENTIFY THE PLANTS BY COMMON NAME, BOTANICAL NAME AND SIZE. LABELS SHALL NOT BE REMOVED UNTIL FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL SCALE PLANT LOCATIONS FROM THE PLANS AND STAKE LOCATIONS ON-SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR HIS AGENT.
- ALL SEEDED AREAS THAT DO NOT SHOW A PROMPT UNIFORM GERMINATION SHALL BE RESEED BY THE LANDSCAPE CONTRACTOR AT INTERVALS OF 45 - 60 DAYS, UNTIL A 90% GROWTH IS ESTABLISHED OVER THE ENTIRE LAWN AREA.
- ALL PLANT BEDS SHALL BE MULCHED WITH DOUBLE SHREDDED HARDWOOD BARK MULCH OR OTHER MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT. THE LIMIT OF THE MULCH FOR TREES SHALL EXTEND 12 INCHES BEYOND THE PLANTING HOLE, AND FOR SHRUBS AND BEDS, THE ENTIRE SHRUB OR BED AREA AS INDICATED ON THE PLAN OR APPROVED IN THE FIELD. NO MULCH SHALL BE PLACED WITHIN THREE (3) INCHES OF THE TRUNK OR TRUNK FLARE. NO SEPARATE PAYMENT SHALL BE MADE FOR MULCH, BUT THE COST SHALL BE INCLUDED IN VARIOUS ITEMS OF THE PROPOSAL.
- ALL PLANTING BEDS SHALL BE RETOTALLED TO A DEPTH OF TEN (10) INCHES PRIOR TO ANY PLANTING. ALL STONES, WIRE, CONCRETE AND UNSUITABLE MATERIALS SHALL BE REMOVED. ALL SHRUB PLANTINGS SHALL BE INSTALLED IN MULCHED PLANTING BEDS EXTENDING AT LEAST TWO (2) FEET FROM THE PLANTS OR AS INDICATED ON THE APPROVED PLANS.
- PLANTING BEDS SHALL BE THOROUGHLY EXCAVATED, AND BACKFILLED WITH THE PLANT MIXTURE DESCRIBED IN 9 ABOVE. ALL PAVEMENT SUB-BASE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE ISLAND PLANTING BEDS UNTIL THE VIRGIN SOIL IS REACHED.
- IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME THE RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL AND LAWN AREAS BEYOND THE GUARANTEE PERIOD FROM COMMENCING WITH THE DATE OF FINAL ACCEPTANCE.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWO (2) YEARS FROM THE COMPLETION DATE OF INSTALLATION. ANY PLANT MATERIAL THAT IS DEAD OR MORE SHOULD BE CONSIDERED DEAD AND MUST BE REPLACED. A TREE SHOULD BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK OR WHEN 20% OF THE CROWN IS DEAD. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE EXCAVATING.
- THE LANDSCAPE ARCHITECT OR HIS AGENT SHALL BE NOTIFIED OF ANY RELOCATION OF PLANTS MADE NECESSARY BY UTILITIES OR OTHER EXISTING FEATURES PREVENTING THE CONTRACTOR FROM IMPLEMENTATION OF THE PLANTING PLAN AS DRAWN. SUCH NOTIFICATION SHALL BE MADE BEFORE THE FIELD CHANGE IS CARRIED OUT.
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, AND EQUIPMENT, INCIDENTALS AND CLEAN UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADES AND ALIGNMENT. SET ALL PLANTS PLUMB AND STRAIGHT. SET SHRUBS AT SUCH A LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED OR A MINIMUM OF TWO (2) INCHES ABOVE THE FINISHED GRADE. FOR TREE PLANTINGS, THE CONTRACTOR SHALL LOCATE THE HIGHEST ROOT FLARE PRIOR TO DIGGING THE PLANTING HOLE. THE PLANTING HOLE SHALL BE EXCAVATED TO A DEPTH THAT ENSURES THE TRUNK FLARE IS VISIBLE AND THAT THE HIGHEST ROOT FLARE IS FLUSH WITH EXISTING GRADE. TREES PLANTED LOWER OR HIGHER WILL BE REJECTED. LOCATE ALL PLANTS IN THE CENTER OF THE PIT.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PLANT MATERIAL.
- INsofar AS PRACTICABLE, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED LONGER THAN A TWO (2) DAY PERIOD AFTER DELIVERY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTABLE LOCAL PRACTICE. COMPLETELY BEFORE PLANTING.
- ALL NON-BIODEGRADABLE ROOT WRAPPINGS (INCLUDING WIRE BASKETS) ARE TO BE REMOVED COMPLETELY BEFORE PLANTING.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. SHEARS ARE TO BE STERILIZED BETWEEN TREES.
- ALL INJURED ROOTS SHALL BE PRUNED BEFORE PLANTING, AND OBVIOUS GROUNDING ROOTS REMOVED. PRUNED OR EXTENDED AS APPROPRIATE. IT IS ADVISABLE TO PRUNE BRANCHES WHICH CROSS THE MAIN LEADER OF DECIDUOUS TREES SHOULD NOT BE CUT BACK. LONG SIDE BRANCHES MUST BE SHORTENED.
- TREES ARE TO BE SUPPORTED IMMEDIATELY AFTER PLANTING IF CONDITIONS MERIT. TREES SIX (6) INCHES AND OVER IN CALIPER SHALL BE GUYED. SMALLER TREES SHALL BE STAKED. GUYING WIRES AND STAKES SHALL BE AS INDICATED.
- UNLESS OTHERWISE NOTED, ALL DECIDUOUS AND EVERGREEN TREES SHALL HAVE A SINGLE TRUNK.
- DECIDUOUS AND EVERGREEN TREES WHICH ARE B&B SHALL BE DRUM LACED IN LIEU OF WIRE BASKETS.



SHRUB PLANTING DETAIL
NOT TO SCALE



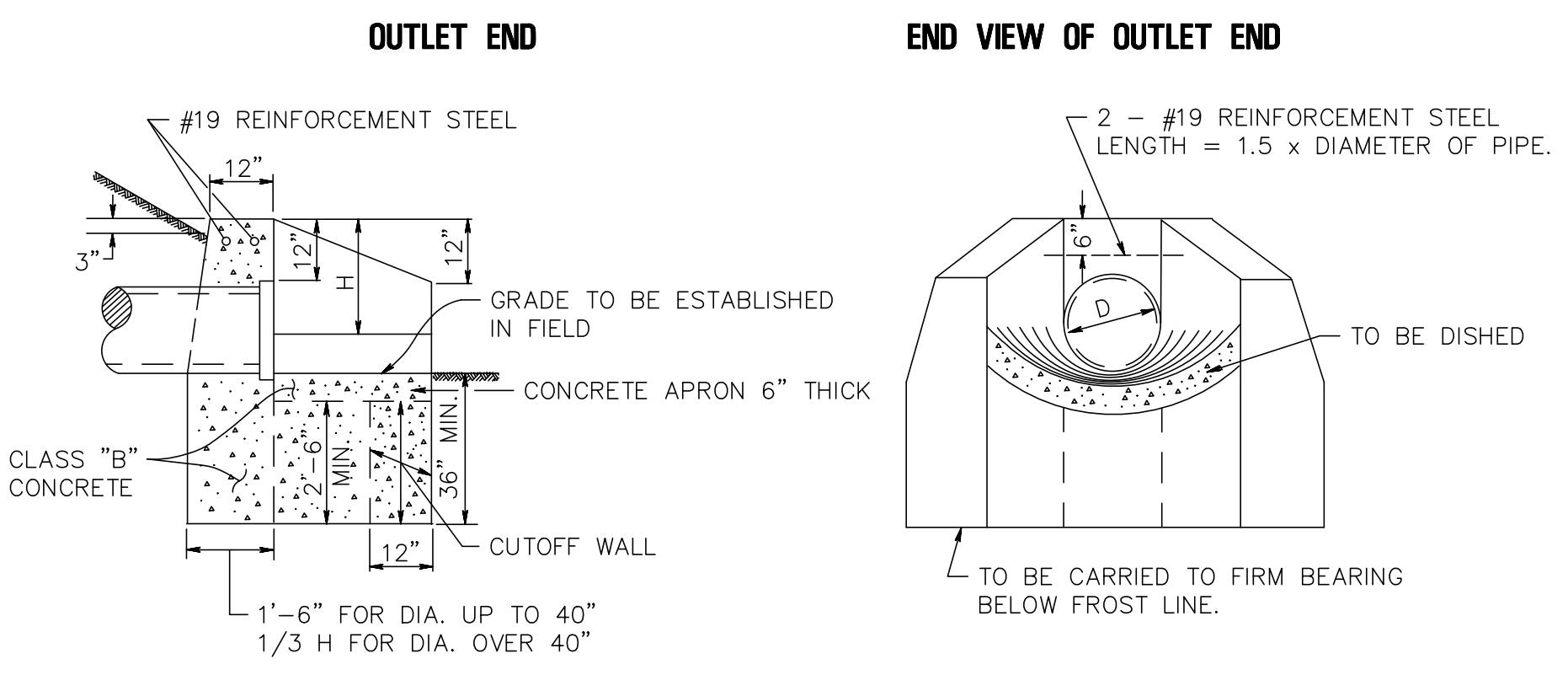
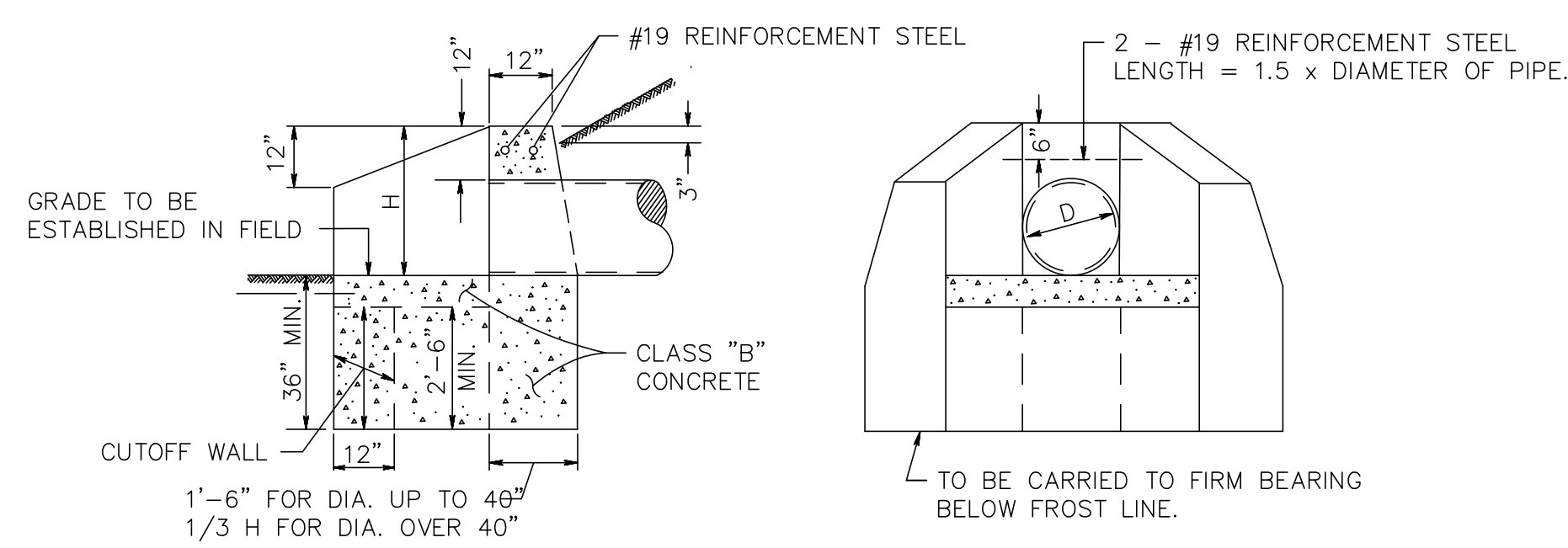
EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



SHADE TREE PLANTING DETAIL
NOT TO SCALE

BIORETENTION NOTES:

- Eradicate existing vegetation by having a licensed spray technician apply an approved herbicide.
- For areas with slope greater than 3:1, final tracking should be perpendicular to the slope. The tracks will aid in reducing erosion and retaining seed and moisture.
- Mulching with a thin layer of straw, hydramulch, or straw/coconut fiber mats is recommended on these sites to protect the seed from drying out or washing away.
- For areas steeper than 3:1, the use of erosion control blankets or flexible growth medium (e.g., Flexterra®) is recommended. When using erosion control blankets, be sure they are tied in at the top of the slope.
- Typically low in fertility; therefore, adding topsoil or organic matter (compost) can be very beneficial. Check soil pH and select species adapted to that pH. Add lime and fertilizer as recommended by soil analysis. Incorporate amendments into the soil in a way that will leave the soil rough and minimize soil erosion and rapid runoff (e.g., tracking). If there is a weed problem, fertilizing is not recommended.
- Hand seed, broadcast seed, hydroseed, or drill seed. For areas with slope less than 3:1, cover the seed 1/8"-1/4" deep by dragging with a spring-tooth harrow or firmly pressing the seed into the soil using a cutpacker, lawn roller, or ATV.
- Seeding and planting should begin immediately upon completion of the structure while the soil is still friable & before weeds emerge.
- FIRST GROWING SEASON Whenever canopy height (overall vegetation) reaches 18"-24", use a brush hog mower or string trimmer to trim the meadow to 8". Trimming reduces competition by fast-growing weeds for sunlight, water, and nutrients needed by slower growing perennial natives. A lawn mower is not recommended as the mower height will be too low and native seedlings will be killed.
- SPECIAL CIRCUMSTANCES - SECOND GROWING SEASON If there is a heavy infestation of ragweed or foxtail in the second growing season, trim the meadow to 8".
- GENERAL MAINTENANCE In addition to structural maintenance, siltation should be removed as needed. Close mowing throughout the growing season or extensive chemical use is not conducive to water quality improvement and wildlife habitat.



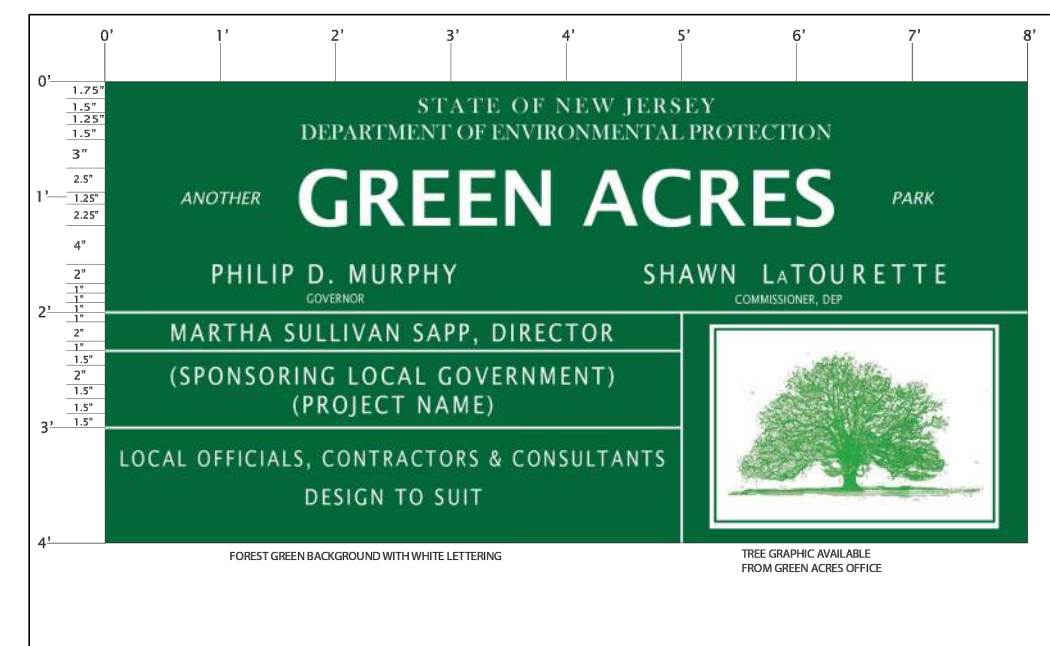
VOLUME OF CONCRETE IN HEADWALLS AND APRONS IN CUBIC YARDS

PIPE DIA.	CORR. STEEL PIPE	REIN. CONC. PIPE	APRONS
12"	1.6	1.7	0.4
15"	2.0	2.1	0.5
18"	2.4	2.5	0.6
21"	2.8	3.0	0.8
24"	3.3	3.4	0.9
27"	3.7	4.0	1.1
30"	4.2	4.5	1.2
36"	5.3	5.6	1.5
42"	7.2	7.9	1.9
48"	9.4	10.4	2.3
54"	12.0	13.3	2.7
60"	15.0	16.6	3.2
66"	18.5	20.5	3.7
72"	22.4	24.8	4.2

GENERAL NOTES:

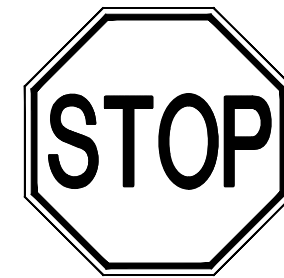
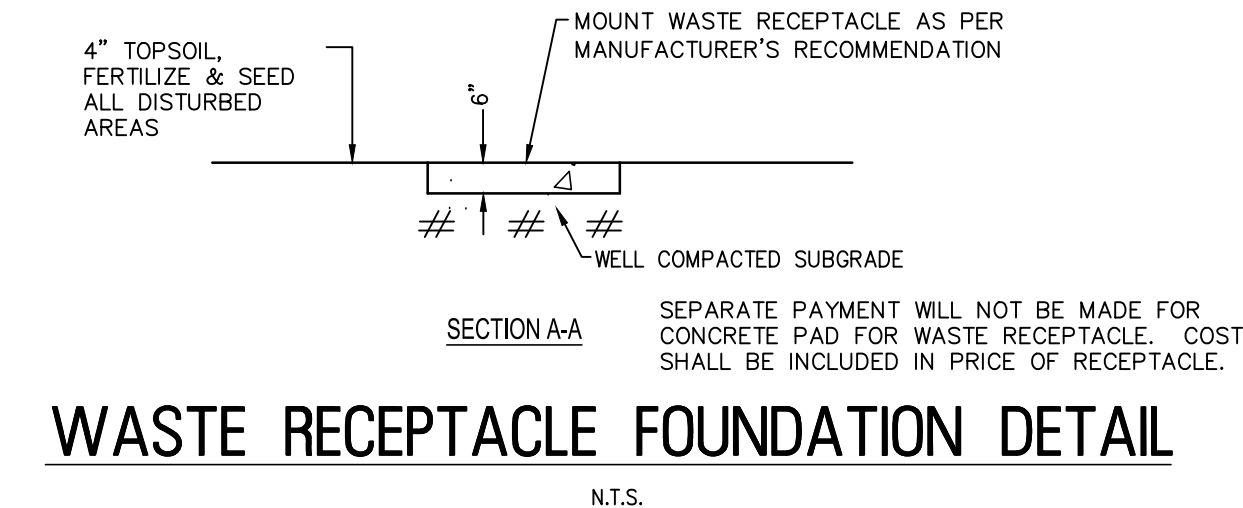
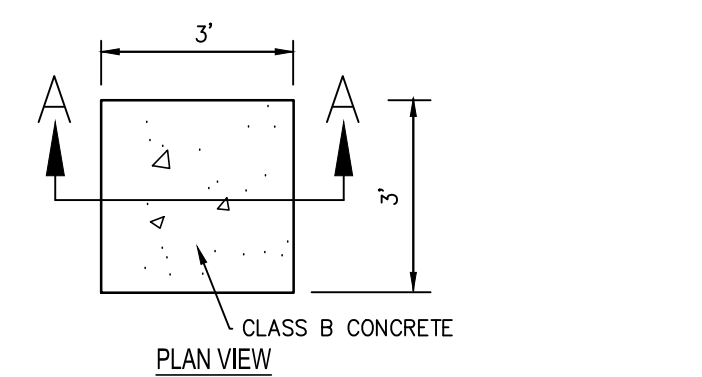
- ALL EDGES TO BE CHAMFERED 1 INCH.
- THE FINISHING OF CONCRETE HEADWALLS WILL NOT BE REQUIRED FOR HEADWALLS AT THE BOTTOM OF EMBANKMENTS IN RURAL AREAS.
- FOR MORE THAN ONE PIPE, SET THE PIPES A MINIMUM OF ONE FOOT APART (OUTSIDE BARREL TO OUTSIDE BARREL); THERE IS TO BE 12 INCHES ABOVE THE TOP OF A PIPE IN A WINGWALL; THE TERMINUS OF THE WINGWALL TO BE 2 X DIAMETER FROM THE ENTERLINE OF THE PIPE IN A WINGWALL.
- SET THE TERMINUS FOR OUTLET AND INLET APRONS BY EXTENDING THE PIPE GRADE AHEAD AND BACK, RESPECTIVELY.
- FOR ARCH PIPE, THE SPAN TO BE SUBSTITUTED FOR D.
- REINFORCEMENT STEEL IS IN METRIC UNITS.

CONCRETE HEADWALL AND APRON
N.T.S.

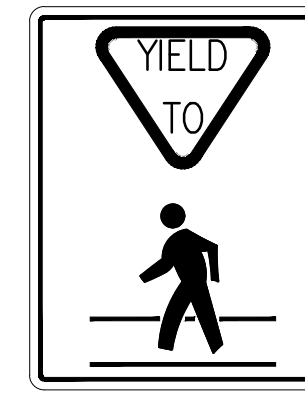


- NOTE:**
- CONTRACTOR TO SUBMIT SIGN SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION.
 - LOCATION OF SIGN TO BE DETERMINED AT TIME OF CONSTRUCTION AND APPROVED BY THE COUNTY.

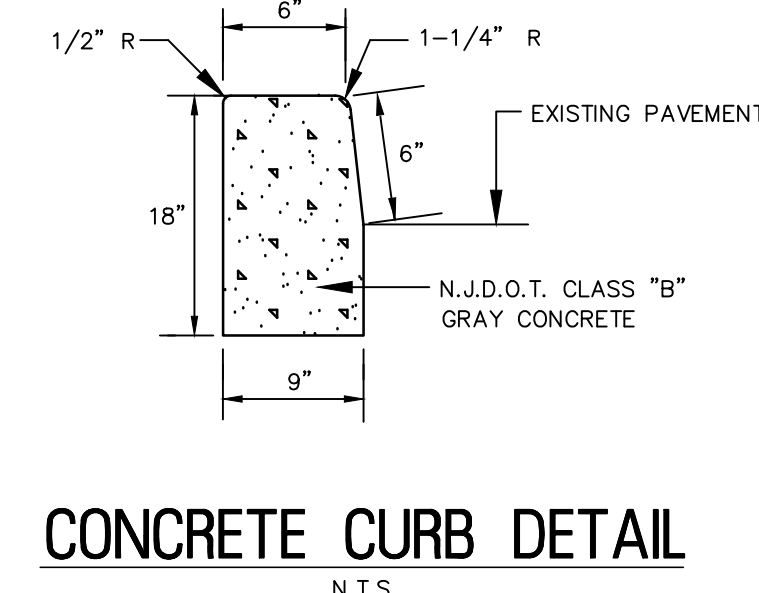
GREEN ACRES SIGN
N.T.S.



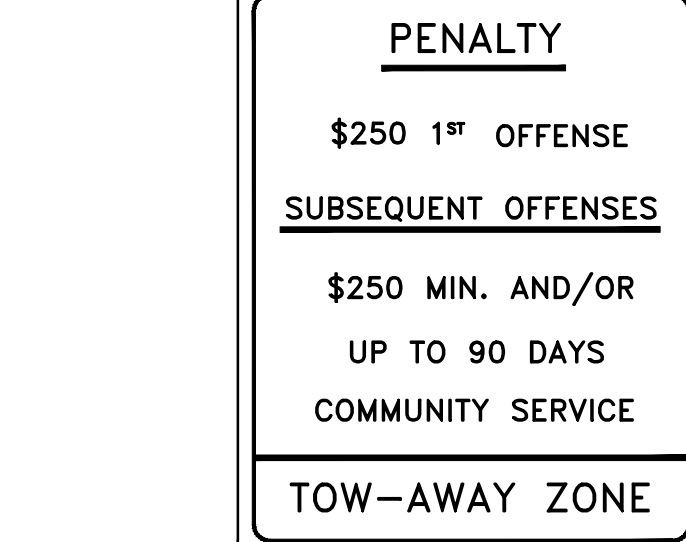
STOP SIGN DETAIL
R1-1
30" X 30"
6.25 S.F.
N.T.S.



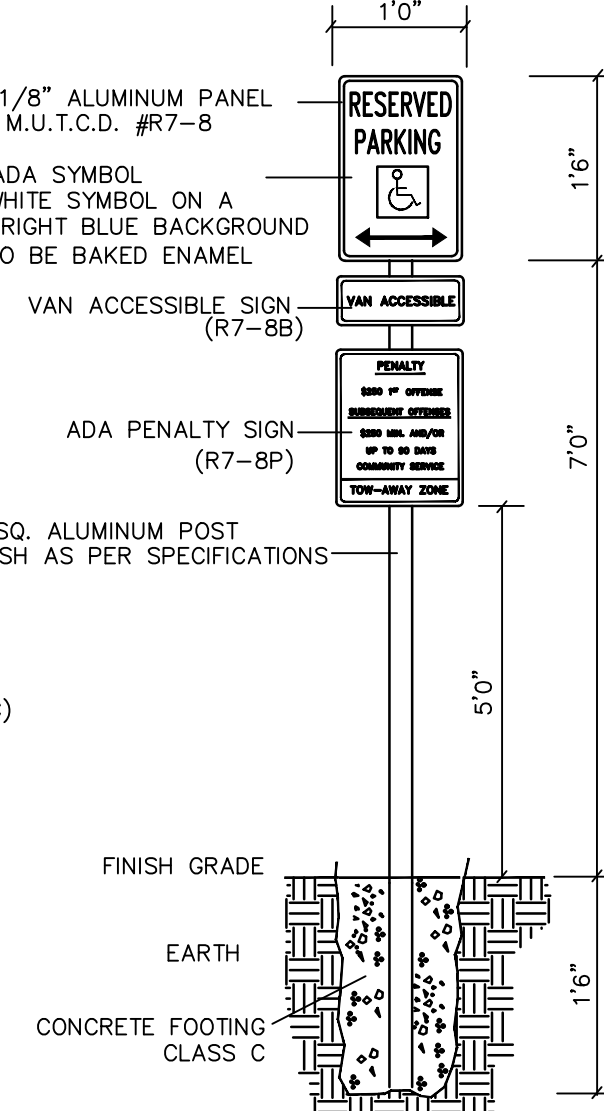
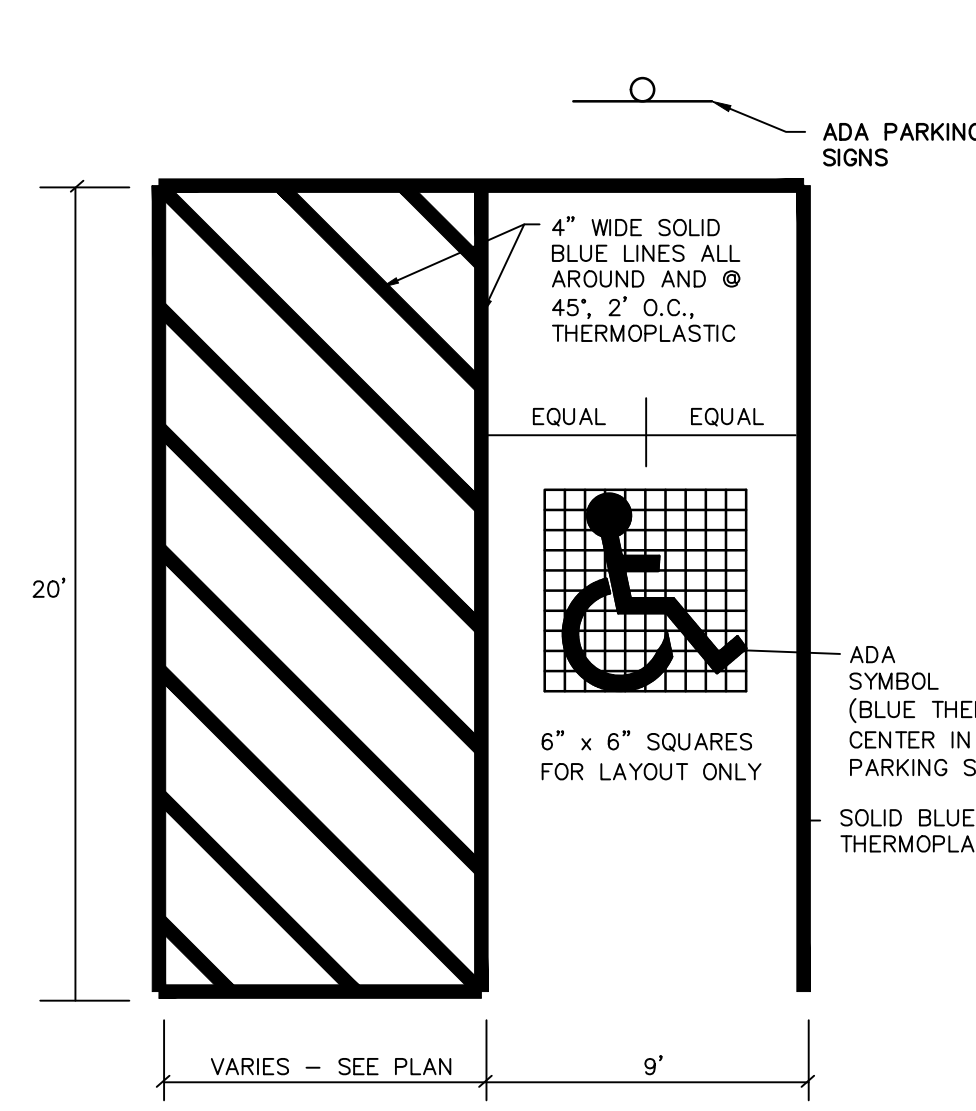
YIELD SIGN DETAIL
S-1
12" X 18"
1.5 S.F.
N.T.S.



VAN ACCESSIBLE SIGN DETAIL
N.T.S.

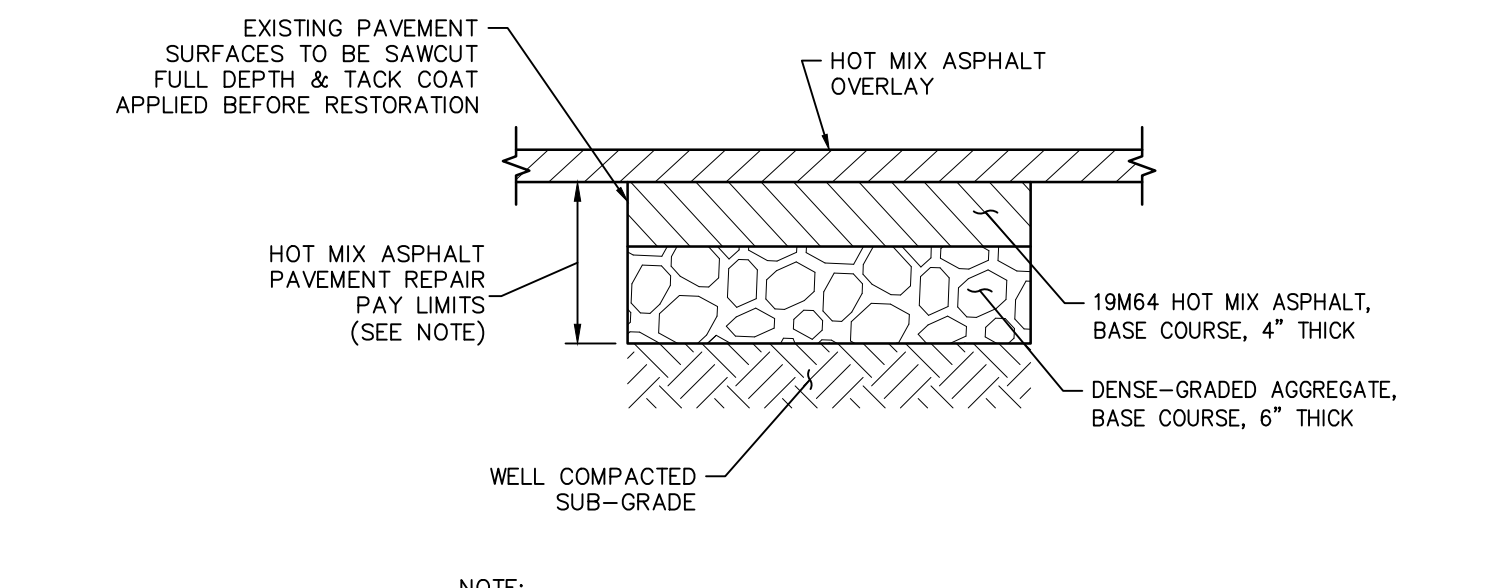


ADA PENALTY SIGN
N.T.S.

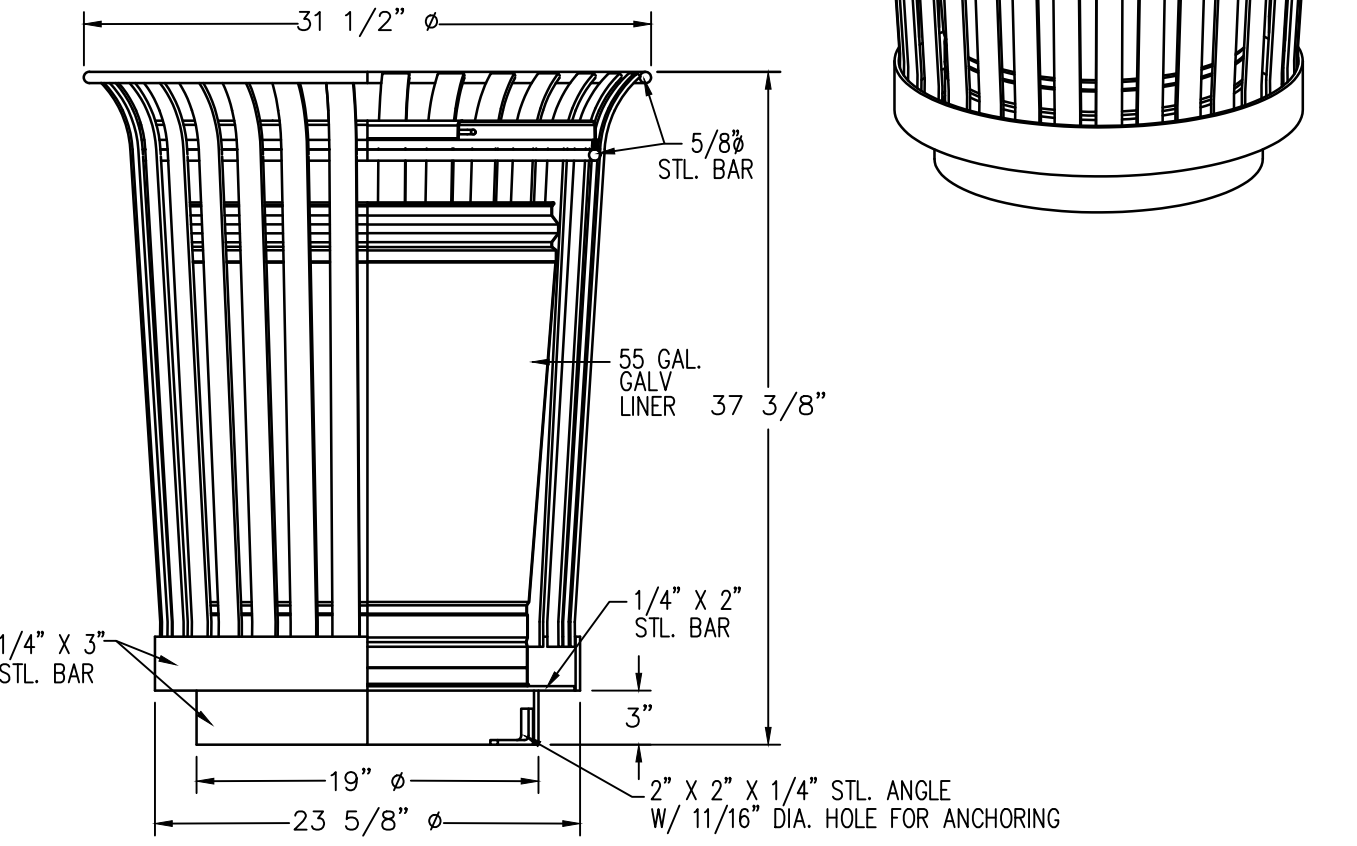
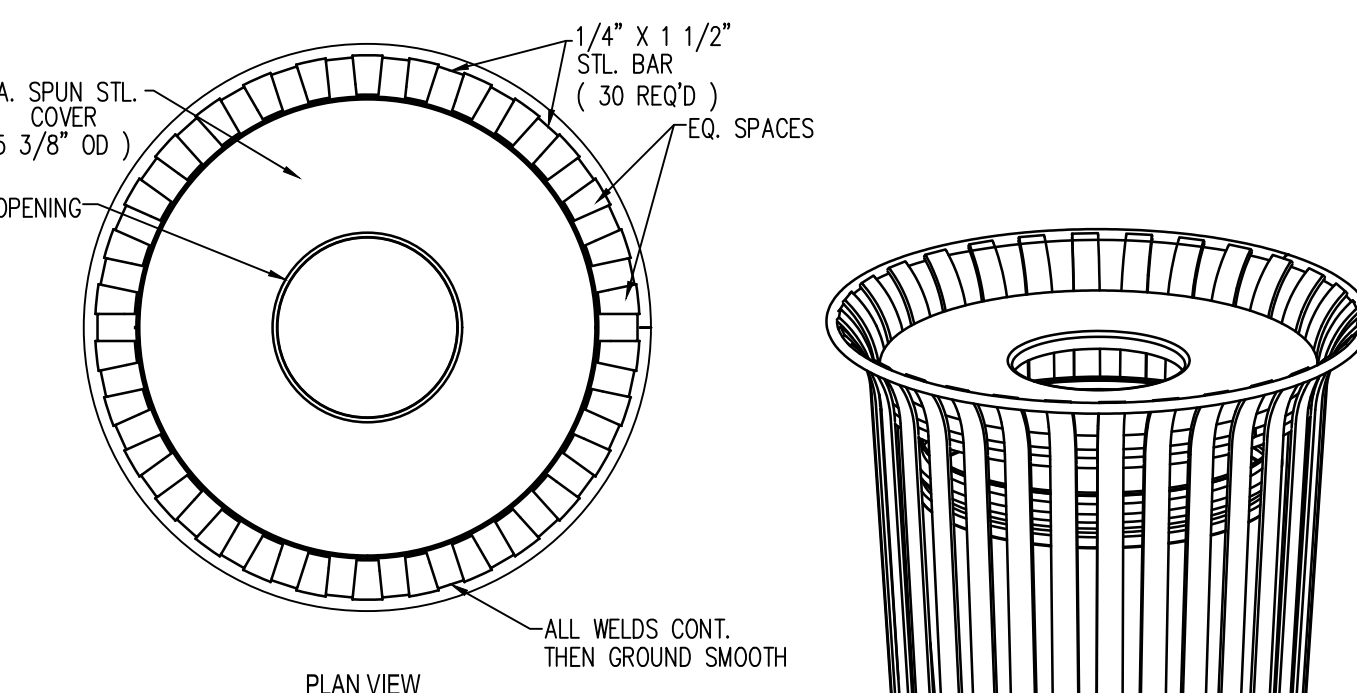


ADA PARKING DETAIL
N.T.S.

ADA PARKING SIGN
N.T.S.



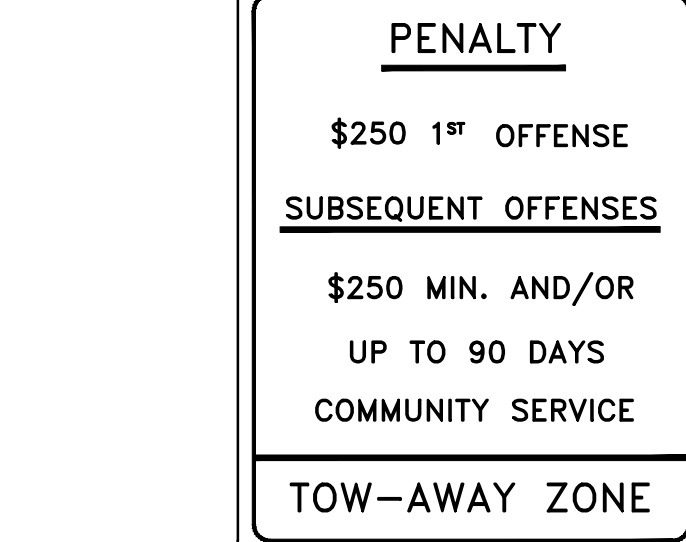
HOT MIX ASPHALT PAVEMENT REPAIR PRIOR TO OVERLAY
N.T.S.



- NOTES:**
- ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING IN COLOR: BLACK
 - 1/2" X 3 3/4" PLTD. EXPANSION ANCHOR BOLTS PROVIDED.
 - ALL WELDS CONT. THEN GROUND SMOOTH.

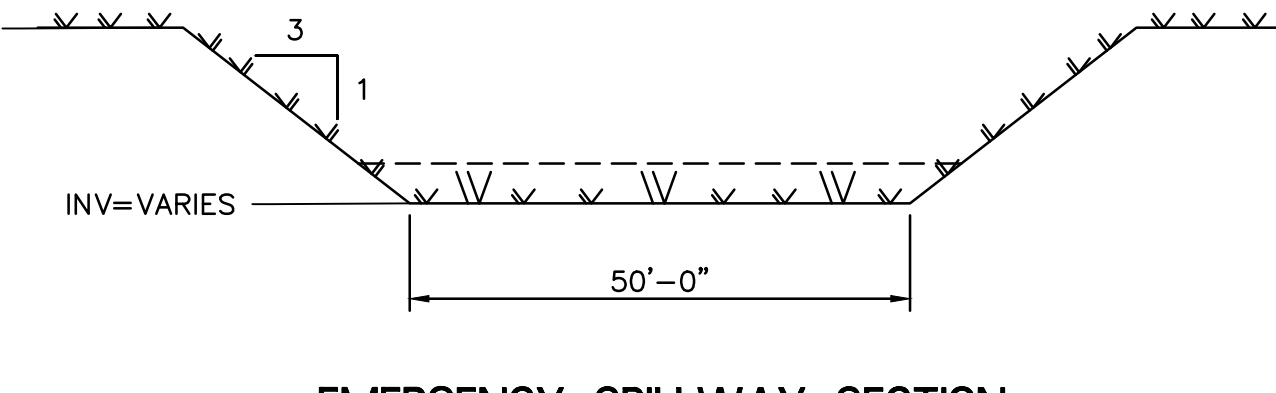


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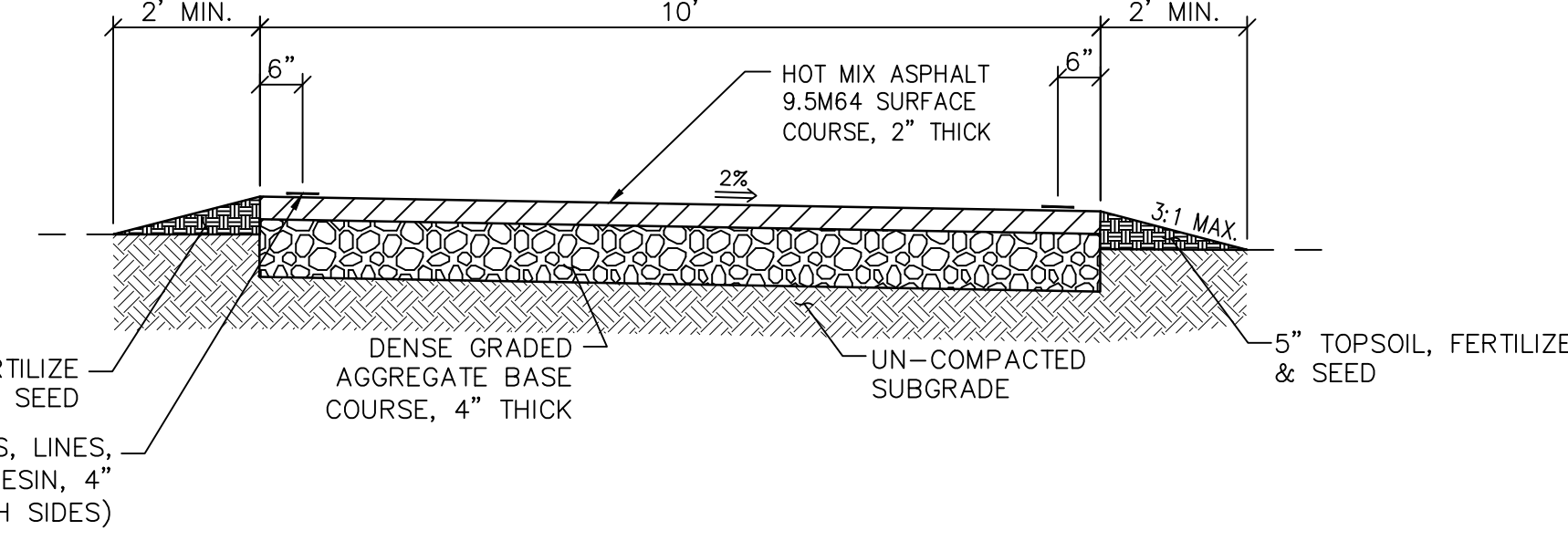


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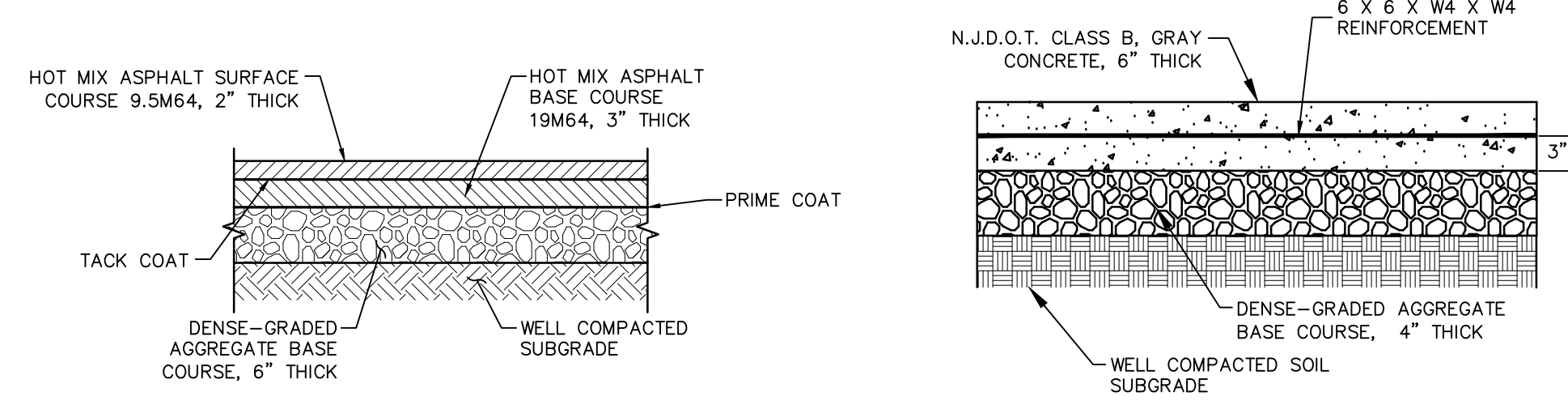
ADA PENALTY SIGN
N.T.S.



EMERGENCY SPILLWAY SECTION
N.T.S.

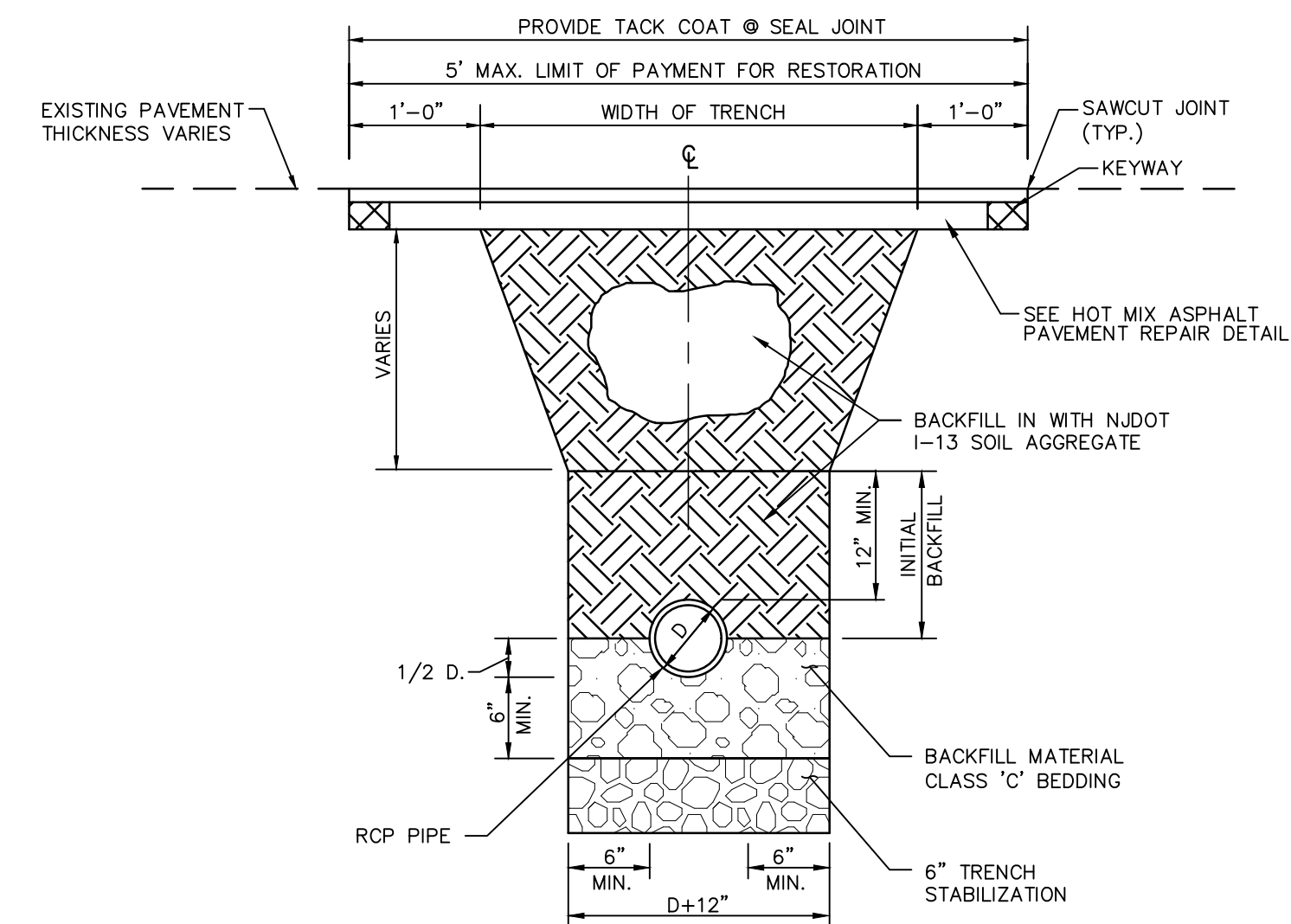


10' BIKE PATH
N.T.S.



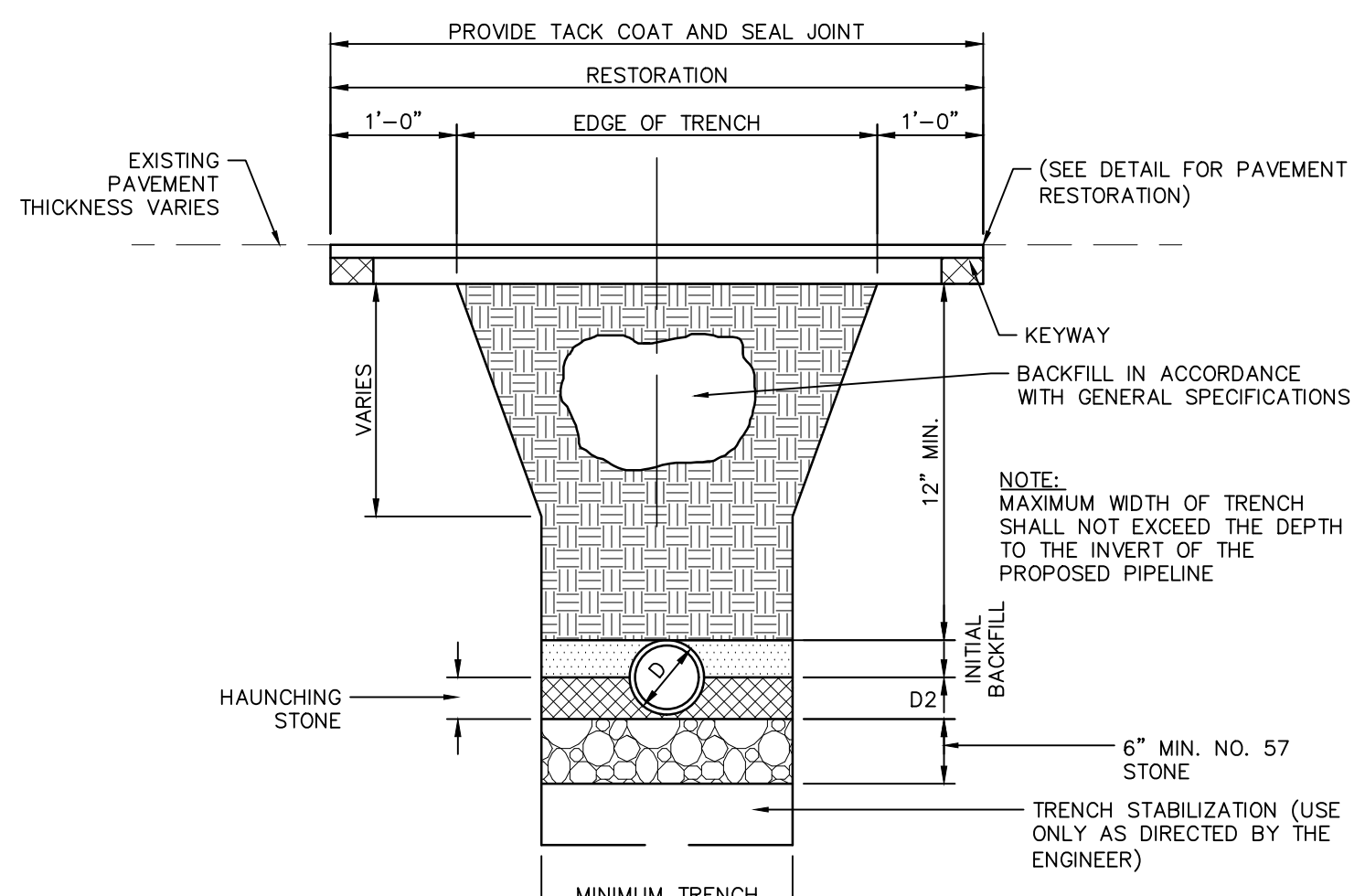
TYPICAL PAVING SECTION
SCALE: N.T.S.

REINFORCED CONCRETE PAD
N.T.S.



- NOTES:**
- MAXIMUM WIDTH OF TRENCH SHALL NOT EXCEED THE DEPTH TO THE INVERT OF THE PROPOSED PIPELINE.
 - SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION, DEWATERING, FITTINGS, PIPE BEDDING, SHEETING, BRACING, SHORING, INLET CONNECTIONS, TRAPS, HMA PAVEMENT RESTORATION AND SUITABLE BACKFILL MATERIAL INVOLVED IN ALL PIPE AND ASSOCIATED STRUCTURES REMOVAL, RECONSTRUCTION AND INSTALLATION, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL REGARDLESS OF DEPTH.

ROADWAY TRENCH DETAIL R.C.P. PIPE
N.T.S.



TRENCH WIDTHS	
NOMINAL PIPE DIAMETER (IN.)	MINIMUM TRENCH (IN.)
UP TO 12	22
15	27
18	33
24	42
30	51
36	59
42	66
48	74
54	82
60	90

TRENCH DETAIL FOR H.D.P.E. PIPE
N.T.S.

RVE
1901
REMINGTON & VERNICK ENGINEERS
2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003
(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
~ENGINEERING EXCELLENCE~

Jessica D. Hauber
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 51487

DATE: 8-15-2023
KENNETH C. RESSLER
NJ PROFESSIONAL ENGINEER LIC. No. 34559

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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NO.	DATE	BY	CHK
2	07/30/24	JH	JH
1	04/24/24	JH	JH

PER NJDEP COMMENTS
PER NJDEP COMMENTS

CONSTRUCTION DETAILS

WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODLICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY: RLR
DESIGN BY: RLR
CHECKED BY: DAH
SCALE: AS NOTED

DATE: 8/15/23
JOB No.: 08241062

SHEET No.: 50 of 53

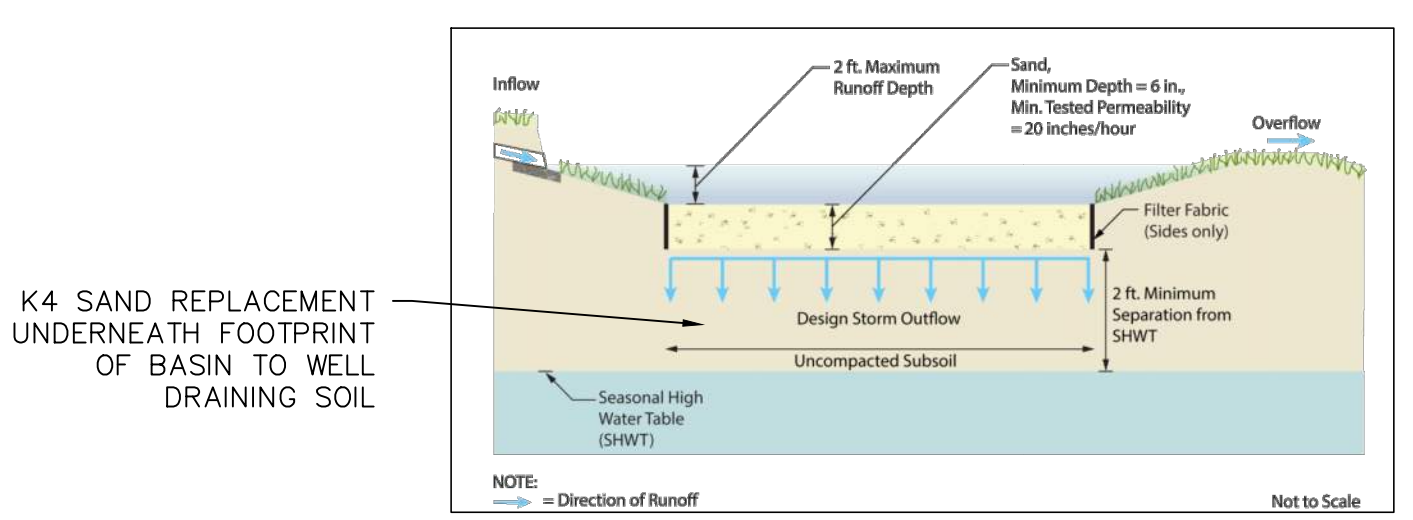
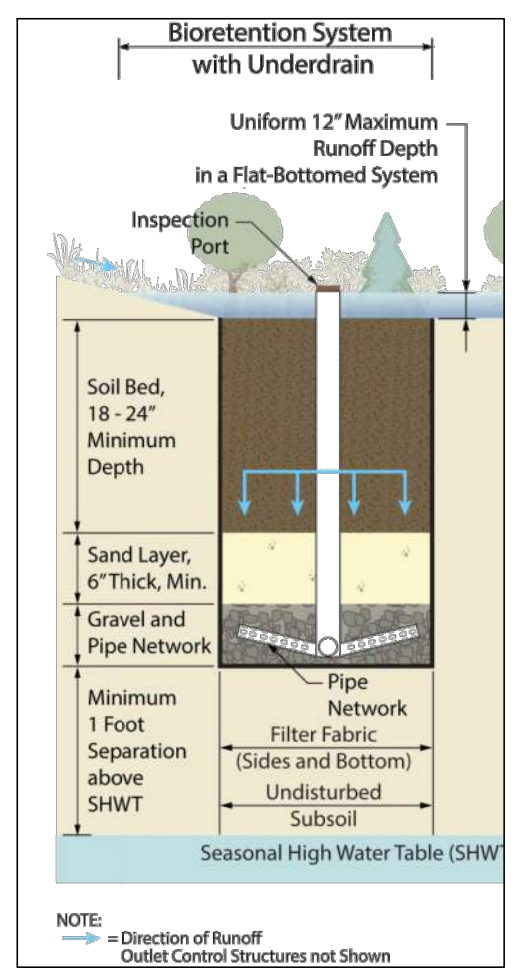
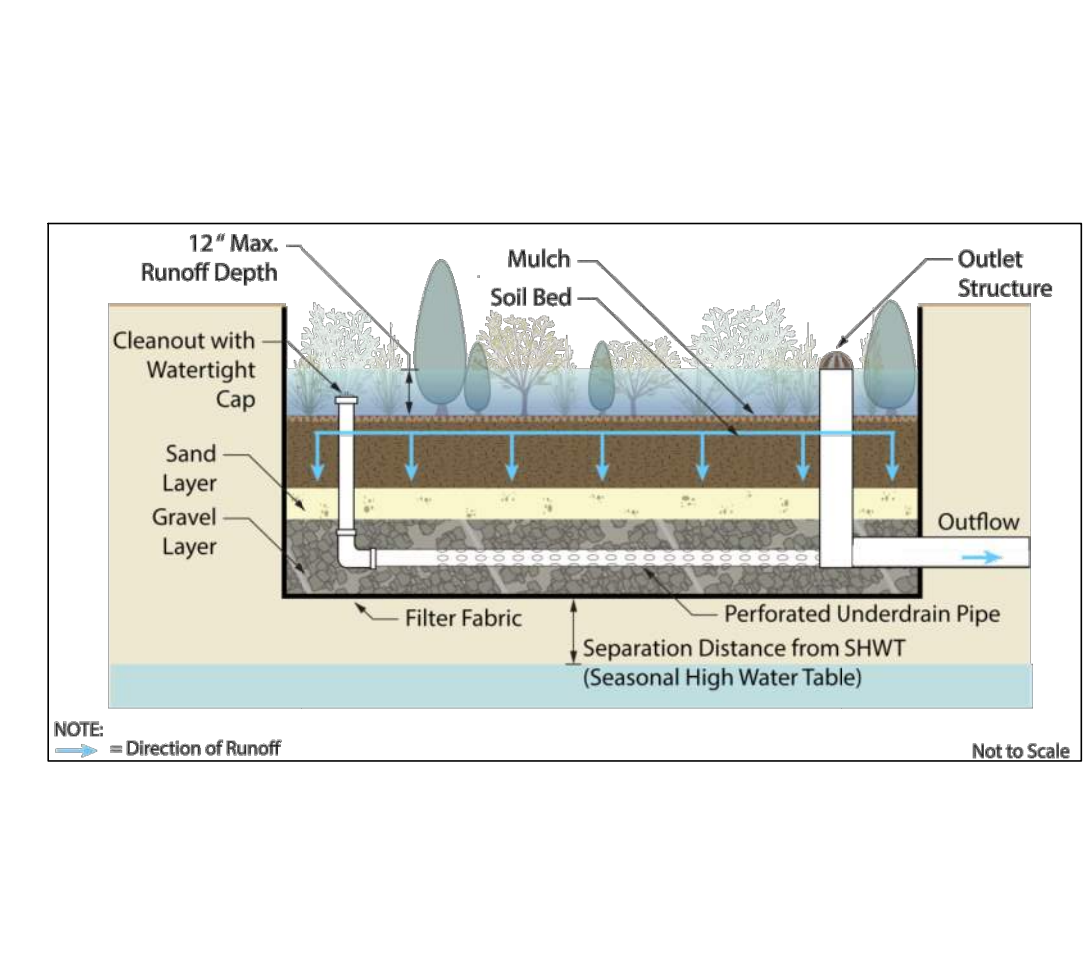
Drawn by: *Jessica D. Hauber*
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. NO. 51487

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NO.	REVISION	DATE	BY	CHK
3	PER NJDEP COMMENTS	12/09/24	JH	JH
2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

CONSTRUCTION DETAILS
WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODLICH GLOUCESTER COUNTY NEW JERSEY



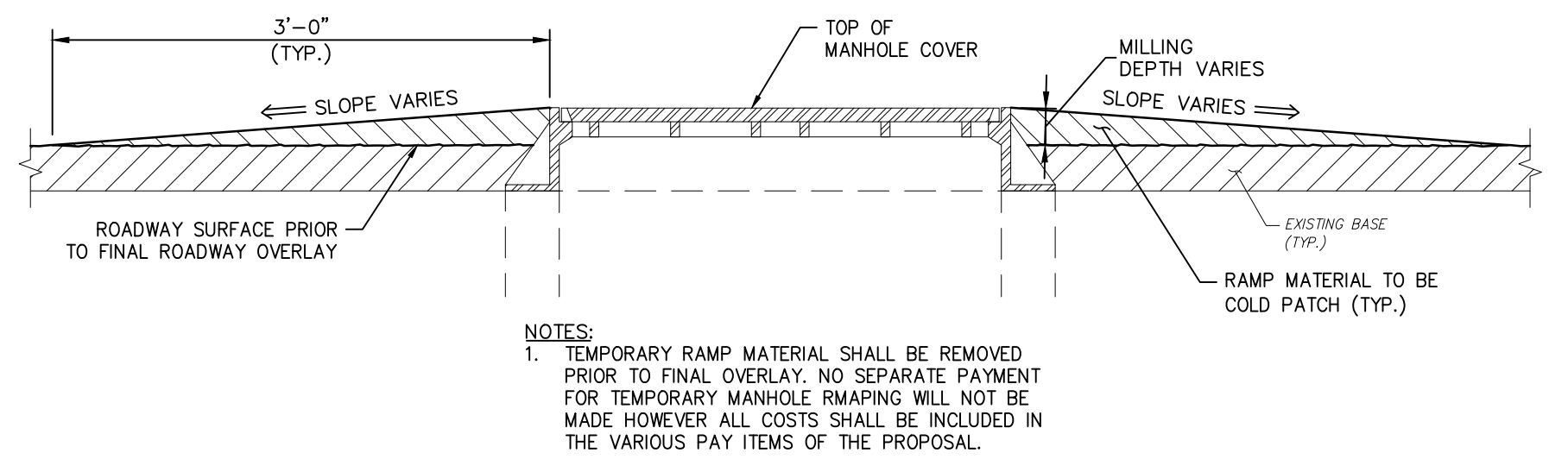
BASIN #	SHWT	BOTTOM OF BASIN	WQ ELEVATION	2-YEAR ELEVATION	10-YEAR ELEVATION	100-YEAR ELEVATION	TOP OF BASIN	EMERGENCY SPILLWAY ELEVATION
1	22.50	25.00	25.10	26.05	27.51	28.53	31.50	30.10
2	27.00	29.50	29.74	30.07	30.53	30.82	32.00	32.50
4	33.50	36.00	36.21	36.55	36.69	36.96	39.50	38.00
5	23.50	28.50	29.33	29.99	30.33	30.75	31.80	30.80
7	25.00	31.00	31.55	31.93	32.22	32.81	36.00	34.25

- NOTES:
- COST OF INSPECTION PORTS TO BE INCLUDED IN THE UNIT BID COST FOR "6\"/>
 - COST OF MULCH, SOIL BED, SAND, STONE AND FILTER FABRIC TO BE INCLUDED IN THE UNIT BID COST FOR "BIORETENTION BASIN SYSTEM".
 - WORK FOR EXCAVATION TO BE INCLUDED IN THE UNIT BID COST FOR "BIORETENTION BASIN SYSTEM."
 - THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY VOLUME: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
 - THE SOIL BED MATERIAL SHALL BE FREE OF CONTAMINANTS.
 - PRE-MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON-SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
 - THE PH OF THE SOIL BED MATERIAL IS RECOMMENDED TO RANGE FROM 5.5 TO 6.5.
 - FOR THE CALCULATION OF RUNOFF RETENTION, THE POROSITY, THE FIELD CAPACITY AND THE WILTING POINT OF THE SOIL BED MATERIAL MUST BE OBTAINED EITHER FROM A PUBLISHED RESEARCH ARTICLE OR TESTED IN ACCORDANCE WITH THE ASTM D-8836 METHOD OR THE SOIL SURVEY INVESTIGATIONS REPORT NO. 42, KELLOGG SOIL SURVEY LABORATORY METHODS MANUAL, PUBLISHED BY NRCS.
 - THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
 - THE GRAVEL LAYER MUST HAVE SUFFICIENT DEPTH TO PROVIDE AT LEAST 3 INCHES OF GRAVEL BOTH ABOVE AND BELOW THE PIPE NETWORK AND MUST CONSIST OF 0.5 TO 1.5 INCH CLEAN, BROKEN STONE OR PEA GRAVEL (AASHTO M-43). THE SIDES OF THE UNDERDRAIN PIPES SHOULD SIMILARLY BE PROTECTED BY THE SAME GRAVEL. TO ENSURE PROPER SYSTEM OPERATION, THE PERMEABILITY RATE OF THE GRAVEL LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SAND LAYER.
 - INSPECTION PORTS MUST BE LOCATED AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PERFORATED SECTION OF THE NETWORK OF PIPES AND EXTEND ABOVE THE SURFACE OF THE SOIL BED.
 - IMPERMEABLE LINER TO BE PLACED BELOW BOTTOM OF STONE ALONG ENTIRE SIDE AND BOTTOM OF BIORETENTION BASIN3 & 6.

BASIN #	SHWT	BOTTOM OF BASIN	SOIL BED DEPTH	WQ ELEVATION	2-YEAR ELEVATION	10-YEAR ELEVATION	100-YEAR ELEVATION	TOP OF BASIN	EMERGENCY SPILLWAY ELEVATION
3	24.50	28.50	18"	29.01	29.43	29.72	30.27	33.50	32.50
6	25.50	26.85	18"	27.31	28.24	28.71	29.49	33.50	32.10

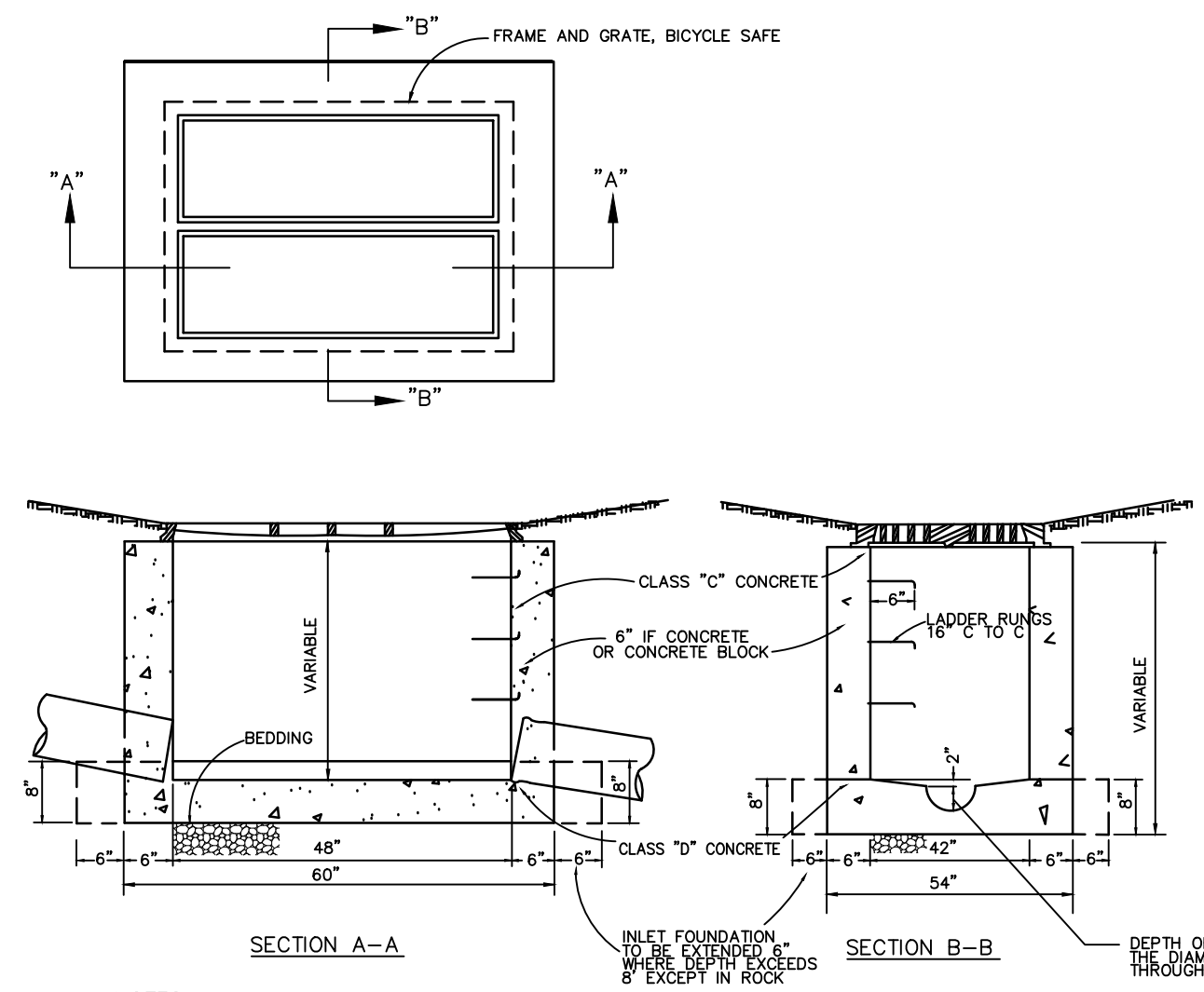
- NOTES:
- COST OF INSPECTION PORTS TO BE INCLUDED IN THE UNIT BID COST FOR "6\"/>
 - COST OF MULCH, SOIL BED, SAND, STONE AND FILTER FABRIC TO BE INCLUDED IN THE UNIT BID COST FOR "BIORETENTION BASIN SYSTEM".
 - WORK FOR EXCAVATION TO BE INCLUDED IN THE UNIT BID COST FOR "BIORETENTION BASIN SYSTEM."
 - THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY VOLUME: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
 - THE SOIL BED MATERIAL SHALL BE FREE OF CONTAMINANTS.
 - PRE-MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON-SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
 - THE PH OF THE SOIL BED MATERIAL IS RECOMMENDED TO RANGE FROM 5.5 TO 6.5.
 - FOR THE CALCULATION OF RUNOFF RETENTION, THE POROSITY, THE FIELD CAPACITY AND THE WILTING POINT OF THE SOIL BED MATERIAL MUST BE OBTAINED EITHER FROM A PUBLISHED RESEARCH ARTICLE OR TESTED IN ACCORDANCE WITH THE ASTM D-8836 METHOD OR THE SOIL SURVEY INVESTIGATIONS REPORT NO. 42, KELLOGG SOIL SURVEY LABORATORY METHODS MANUAL, PUBLISHED BY NRCS.
 - THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
 - THE GRAVEL LAYER MUST HAVE SUFFICIENT DEPTH TO PROVIDE AT LEAST 3 INCHES OF GRAVEL BOTH ABOVE AND BELOW THE PIPE NETWORK AND MUST CONSIST OF 0.5 TO 1.5 INCH CLEAN, BROKEN STONE OR PEA GRAVEL (AASHTO M-43). THE SIDES OF THE UNDERDRAIN PIPES SHOULD SIMILARLY BE PROTECTED BY THE SAME GRAVEL. TO ENSURE PROPER SYSTEM OPERATION, THE PERMEABILITY RATE OF THE GRAVEL LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SAND LAYER.
 - INSPECTION PORTS MUST BE LOCATED AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PERFORATED SECTION OF THE NETWORK OF PIPES AND EXTEND ABOVE THE SURFACE OF THE SOIL BED.
 - IMPERMEABLE LINER TO BE PLACED BELOW BOTTOM OF STONE ALONG ENTIRE SIDE AND BOTTOM OF BIORETENTION BASIN3 & 6.

BIORETENTION BASIN WITH UNDERDRAIN DETAIL
N.T.S.

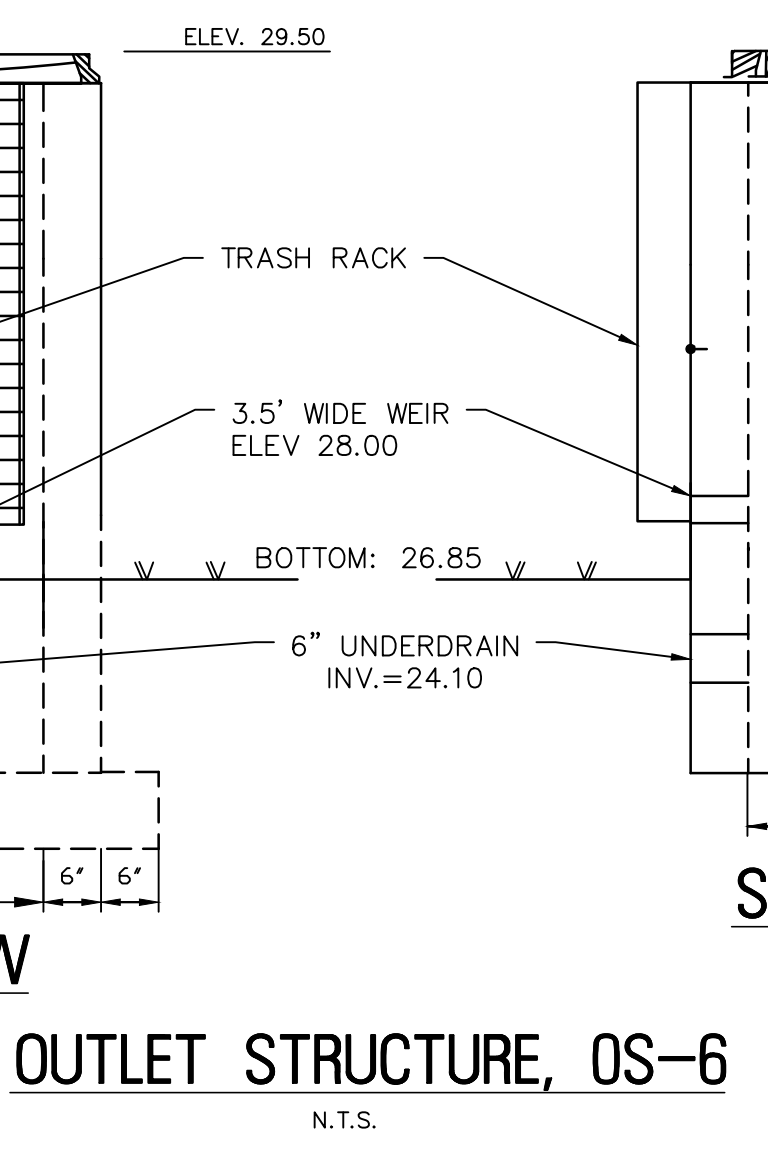
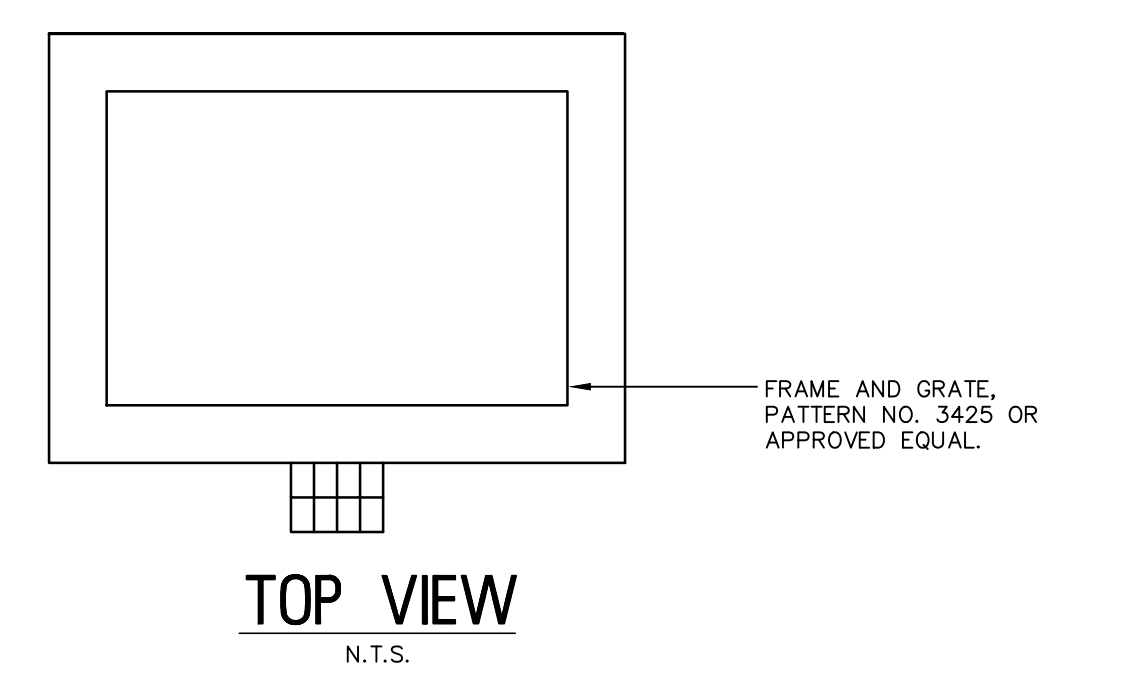


MANHOLE CASTING "TEMPORARY" RAMPING
N.T.S.

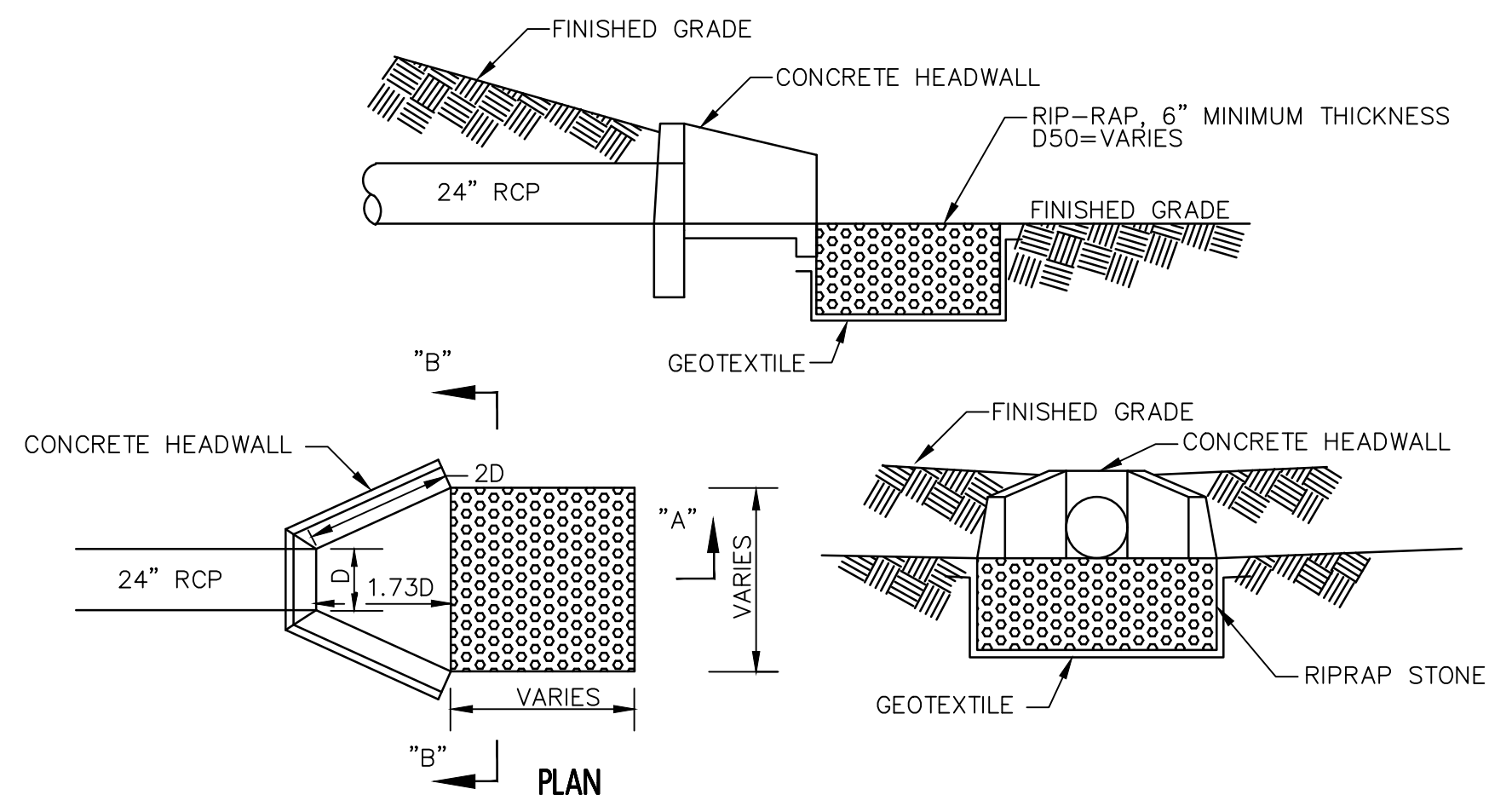
INFILTRATION BASIN DETAIL
N.T.S.



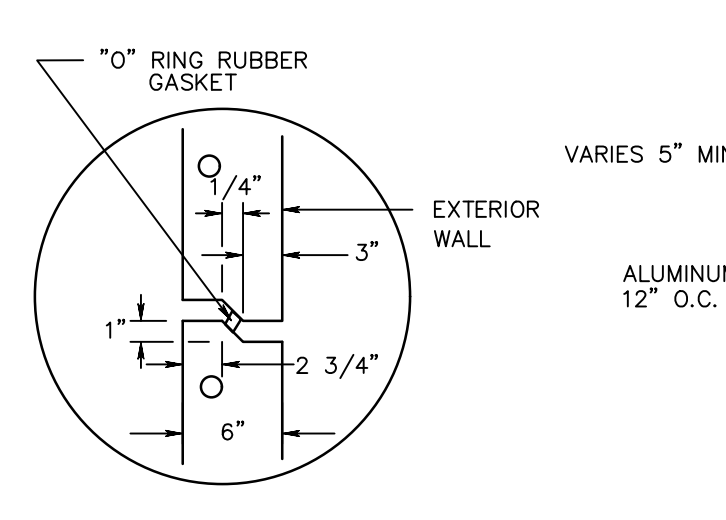
TYPE "E" INLET DETAIL
N.T.S.



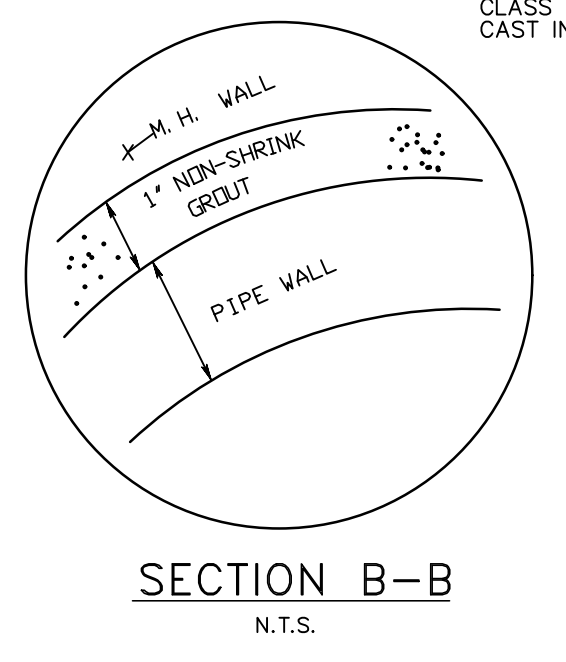
OUTLET STRUCTURE, OS-6
N.T.S.



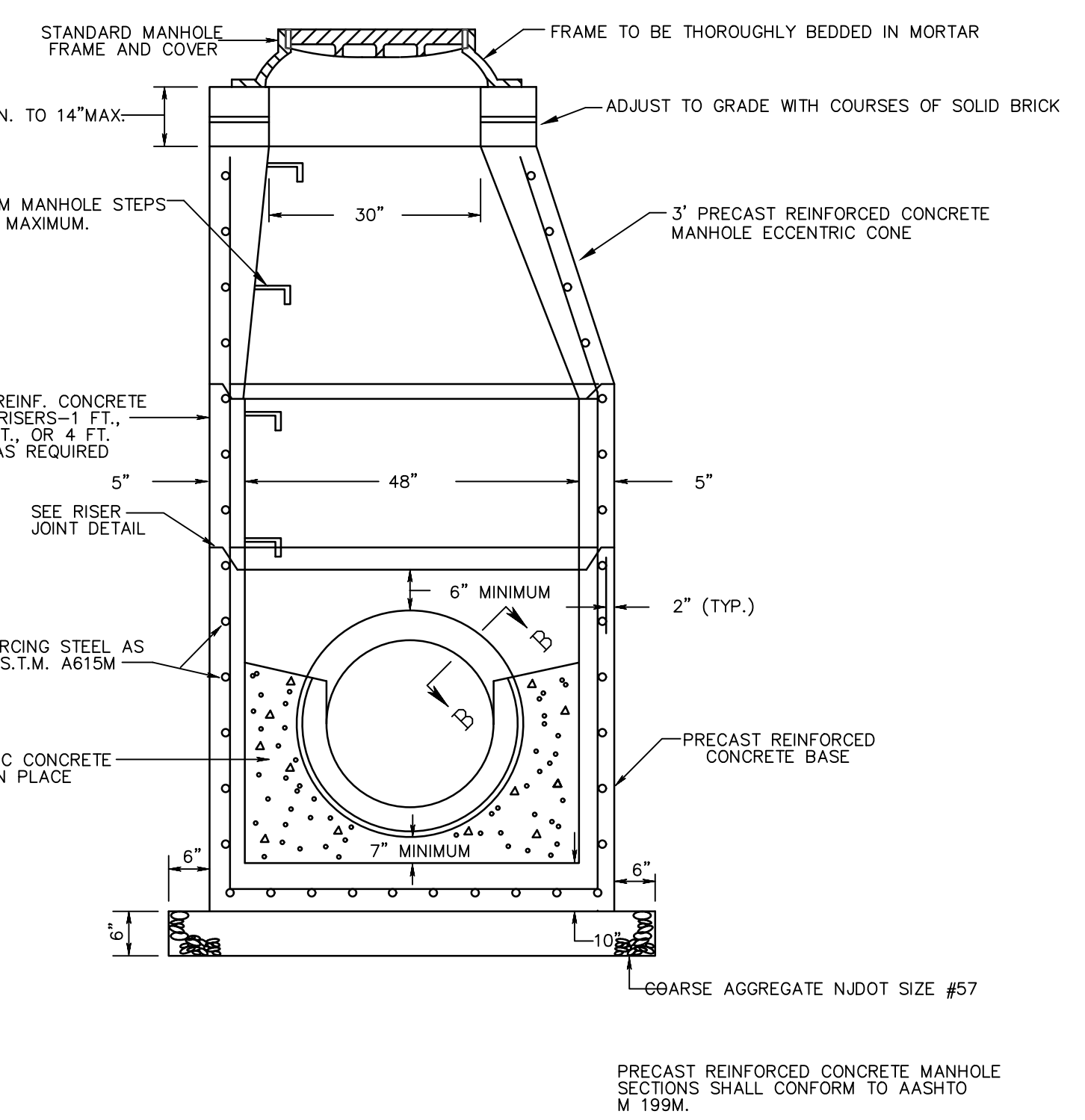
RIPRAP STONE OUTFALL PROTECTION
SCALE: N.T.S.



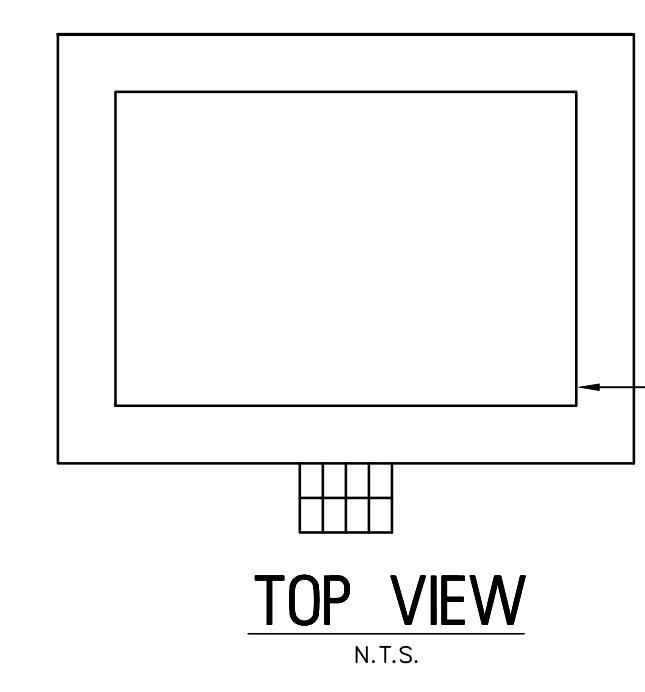
PRECAST MANHOLE RISER JOINT DETAIL
N.T.S.



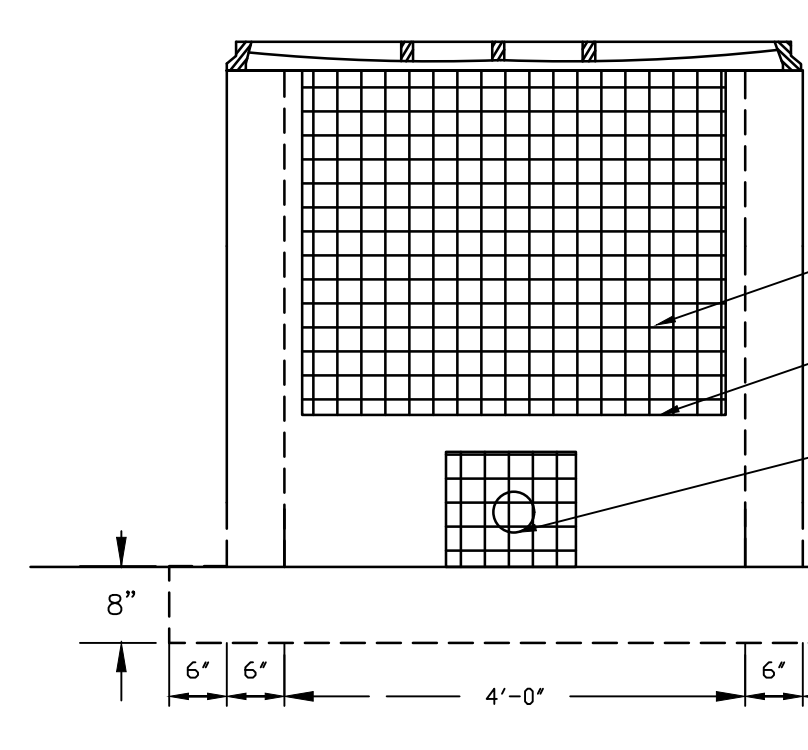
SECTION B-B
N.T.S.



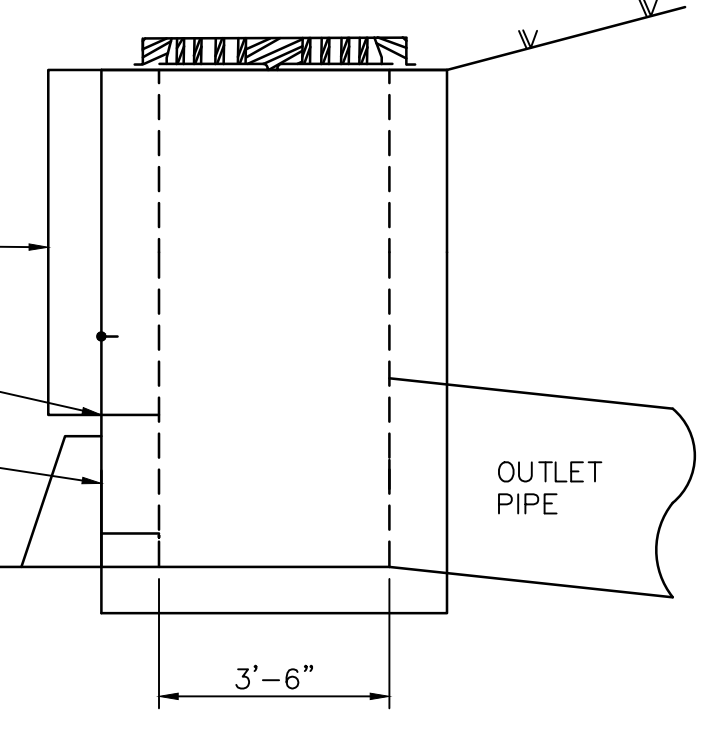
STORM MANHOLE DETAIL
N.T.S.



TOP VIEW
N.T.S.



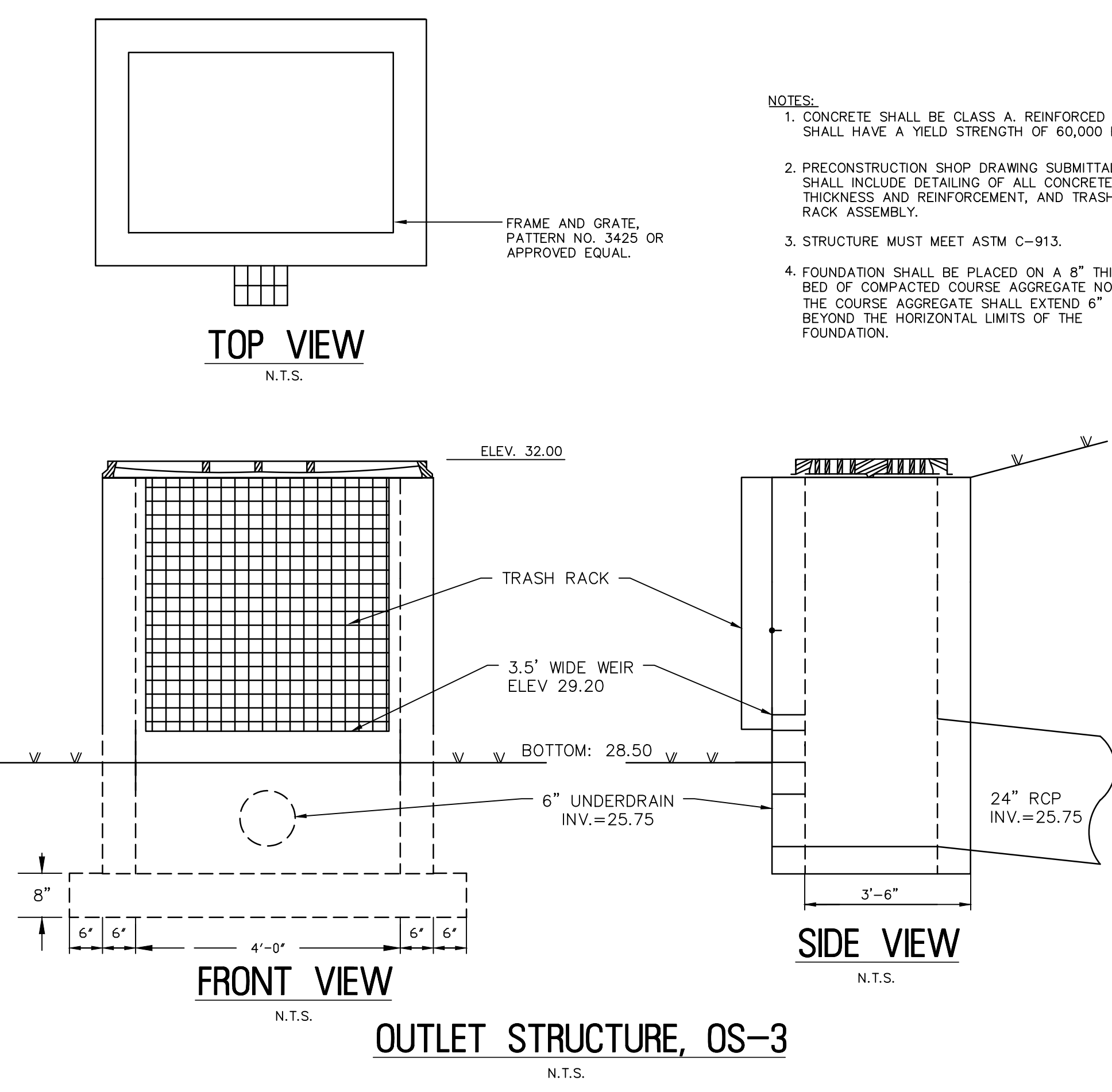
FRONT VIEW
N.T.S.



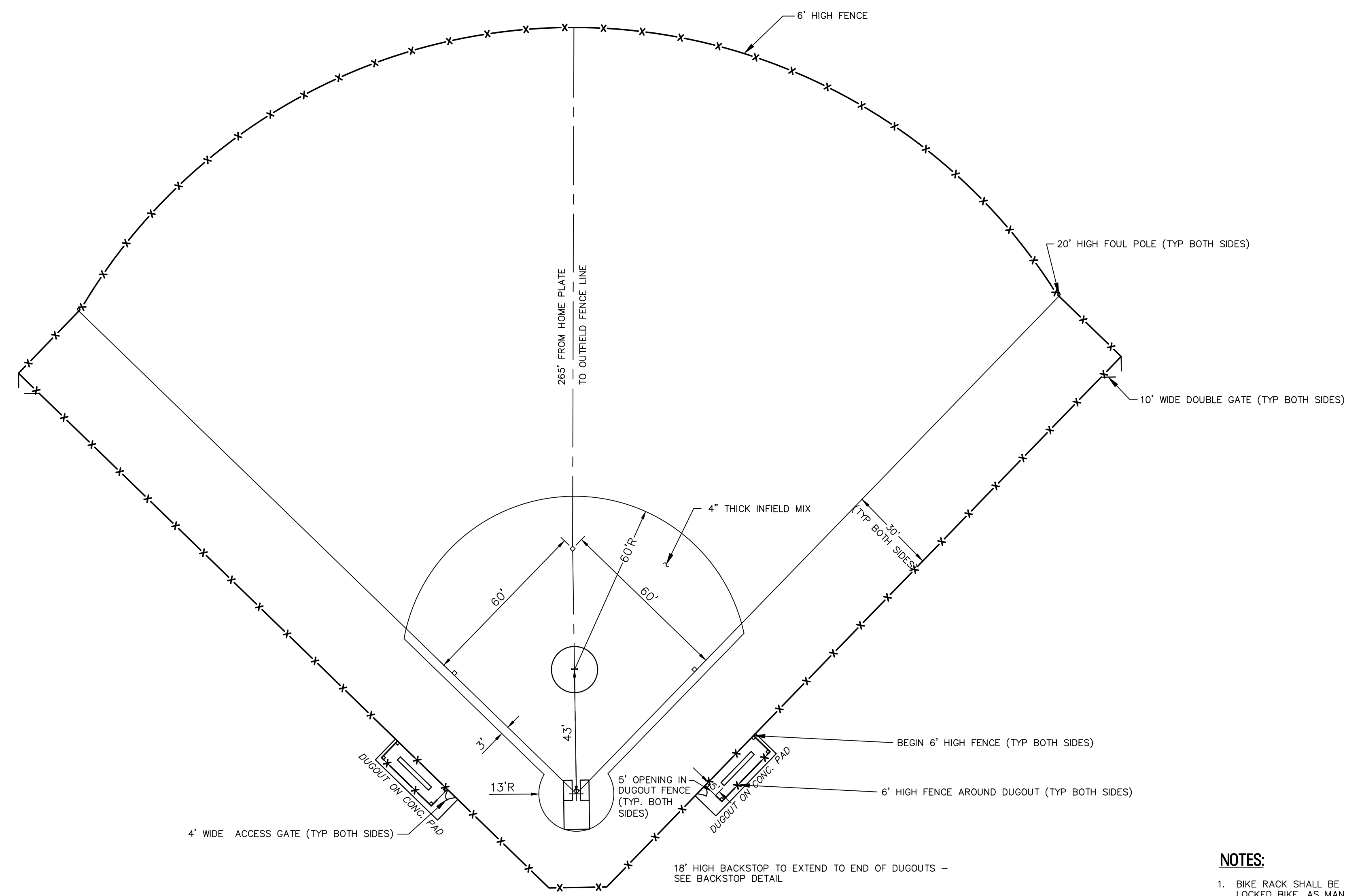
SIDE VIEW
N.T.S.

BASIN #	BOTTOM OF BASIN	ORIFICE	WEIR	OUTLET PIPE	GRATE ELEVATION
1	25.00	3" DIA @ 25.16	3.5' WIDE @ 27.40	24" DIA @ 25.00	28.50
2	29.50	3" DIA @ 29.75	3.5' WIDE @ 30.50	24" DIA @ 29.50	32.50
4	36.00	N/A	3.5' WIDE @ 36.50	24" DIA @ 36.00	39.50
5	28.50	N/A	3.5' WIDE @ 29.80	24" DIA @ 28.50	32.00
7	31.00	N/A	3.5' WIDE @ 31.60	24" DIA @ 31.00	33.75

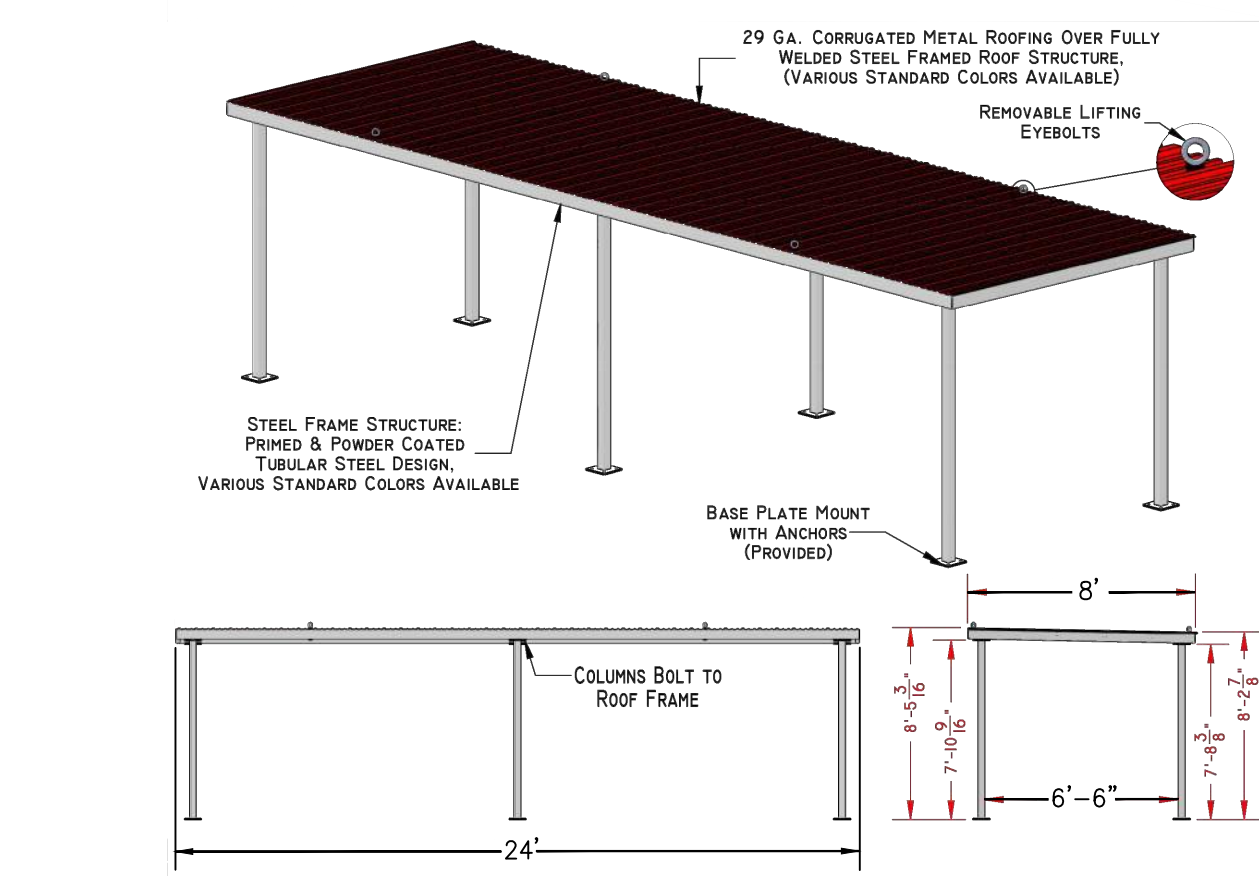
INFILTRATION BASIN OUTLET STRUCTURE
N.T.S.



OUTLET STRUCTURE, OS-3
N.T.S.

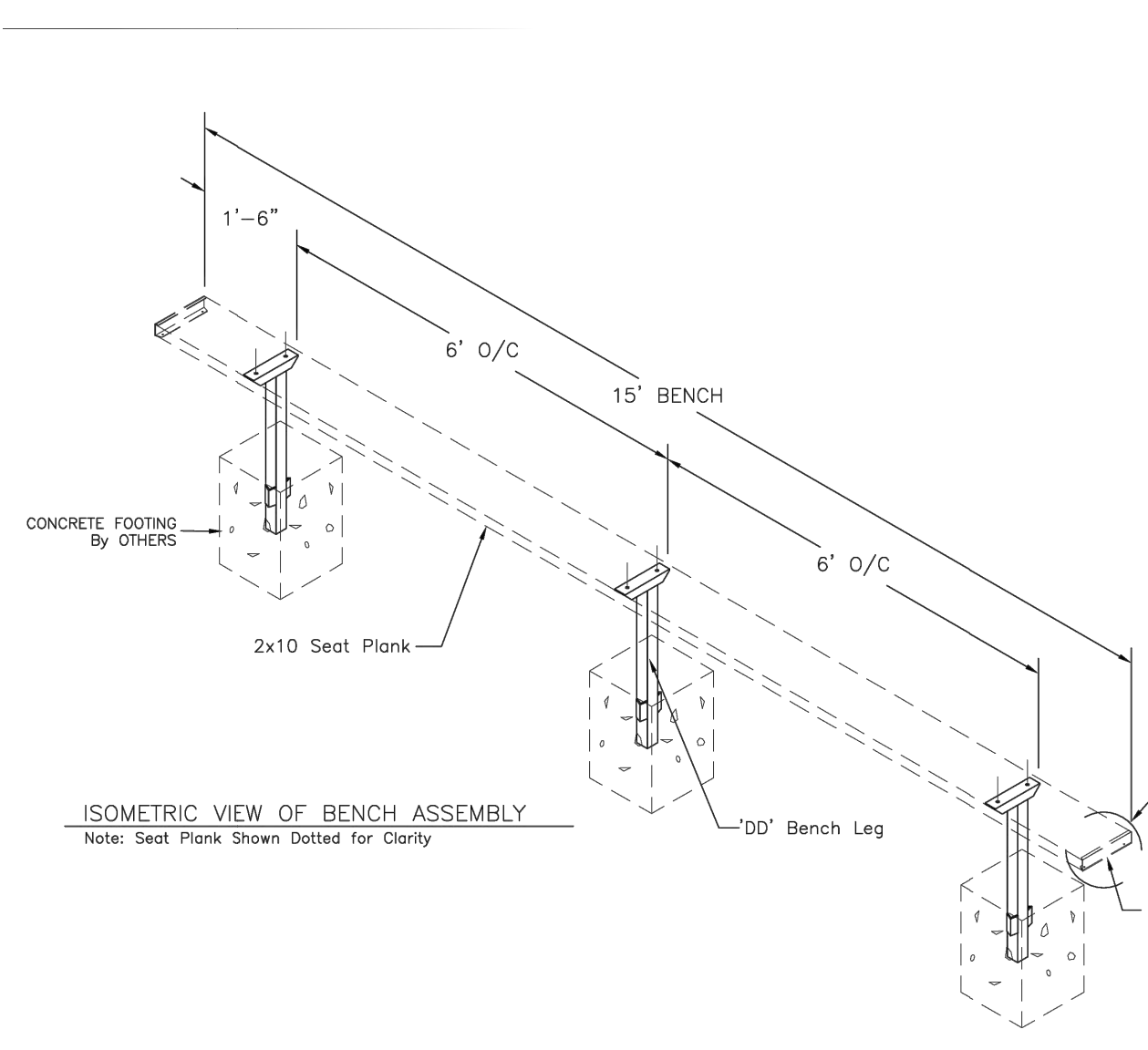


LITTLE LEAGUE FIELD DETAIL
N.T.S.



DUGOUT DETAIL
N.T.S.

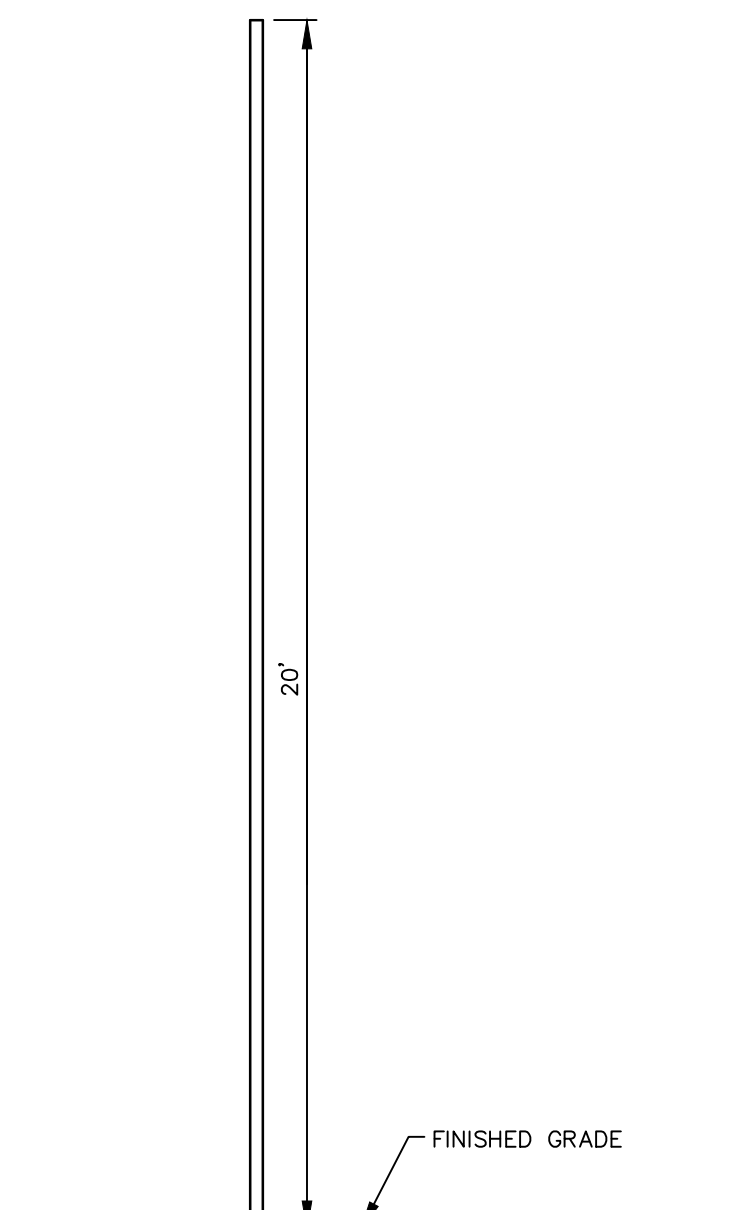
- NOTES:**
- BENCH SHALL BE 8' W X 24' L GAMESHADE DUGOUT, MODEL NO. GRXK4 (LG-S5-DBX24-130), AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY 13753, (888) 975-3343, WWW.SPORTSFIELD.COM, OR APPROVED EQUAL.
 - DUGOUT SHALL BE ANCHORED TO CONCRETE PAD UTILIZING ANCHOR BOLTS.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



NOTES:

- ATHLETIC COURT BENCH SHALL BE MODEL 'DD' PERMANENT BENCH W/O BACK, 15'-0" LONG, AS MANUFACTURED BY NATIONAL RECREATION SYSTEMS, INC., P.O. BOX 11487, FORT WAYNE, IN 46858-1487, OR APPROVED EQUAL.
- SEPARATE PAYMENT WILL NOT BE MADE FOR CONCRETE FOOTINGS. COSTS SHALL BE INCLUDED IN THE PRICE BID FOR 'ATHLETIC COURT BENCH'.

ATHLETIC COURT BENCH
N.T.S.

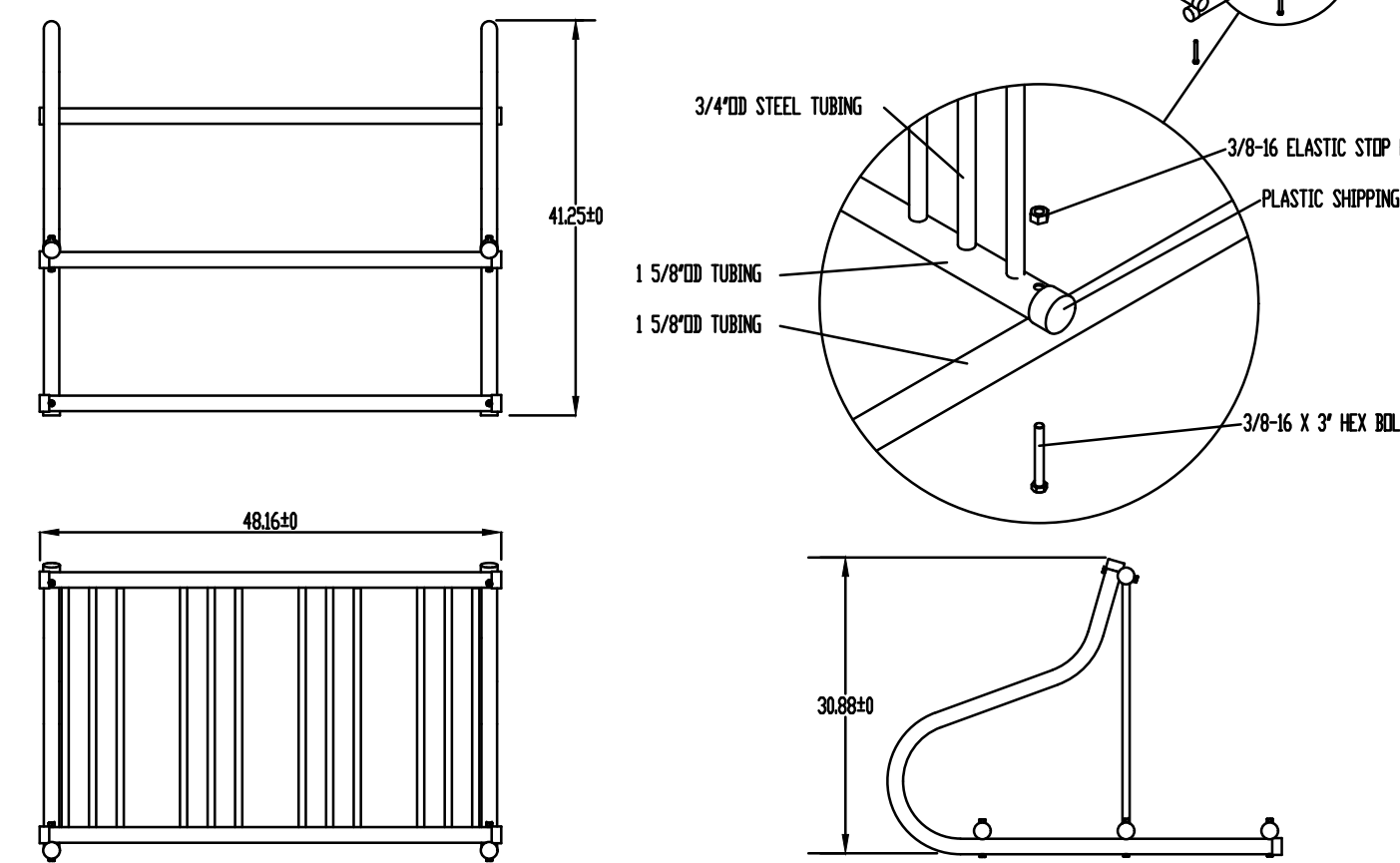


FOUL POLE DETAIL
N.T.S.

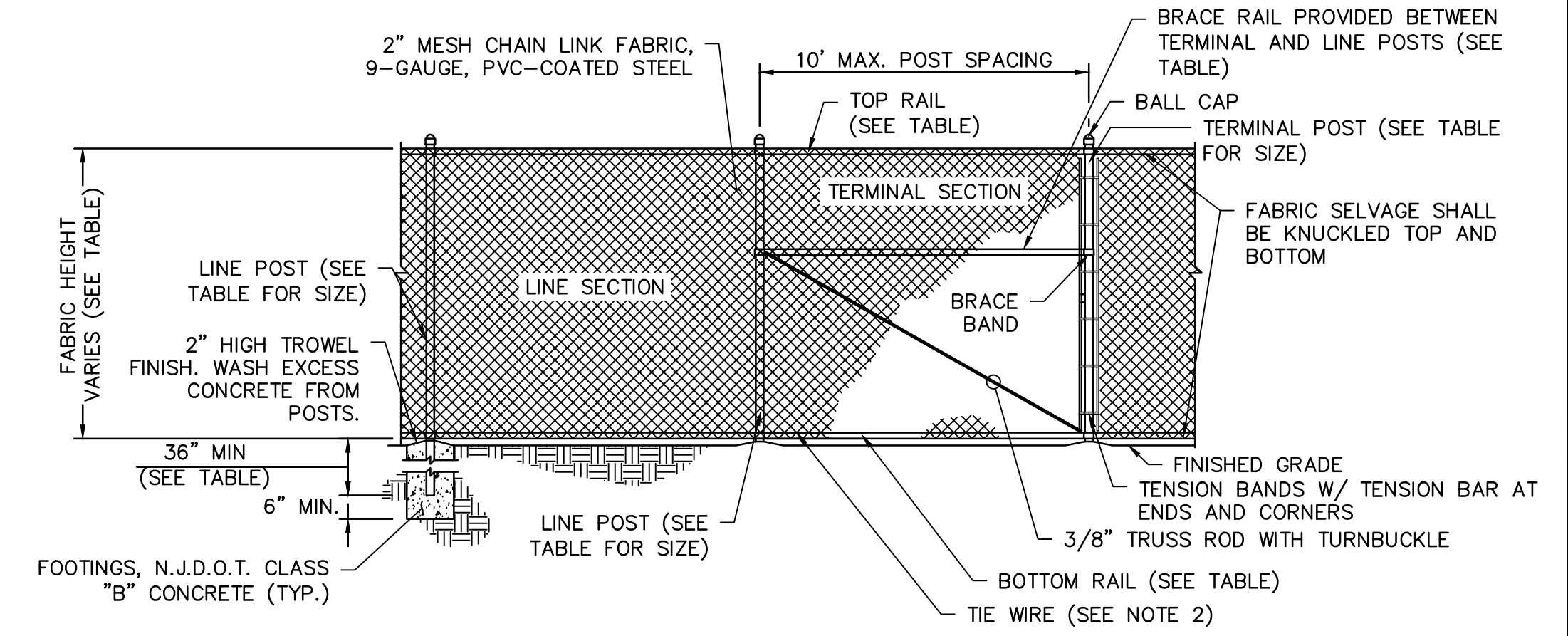
- NOTES:**
- POLE TO BE CONSTRUCTED OF SCHED. 40 ALUMINUM WITH A YELLOW POWDERCOAT FINISH, AS MANUFACTURED BY SPORTSFIELD SPECIALTIES (888-975-3343) MODEL FP420, OR APPROVED EQUAL.
 - FOUL POLE FOOTING TO BE CONSTRUCTED AS PER MANUFACTURER'S INSTRUCTIONS.

NOTES:

- BIKE RACK SHALL BE 8 BIKE CAPACITY GRIDRAC GR110 WITH LOCKED BIKE, AS MANUFACTURED BY MADRAX, 1080 LINEX DRIVE, WAUNAKEE, WI 53597, (800) 448-7931, WWW.MADRAX.COM, OR APPROVED EQUAL. COLOR: BLACK.
- BIKE RACK SHALL BE ANCHORED TO CONCRETE PAD UTILIZING THE ANCHOR KIT - GRIDRACS, MODEL NO. AK400-G, AS MANUFACTURED BY MADRAX, 1080 LINEX DRIVE, WAUNAKEE, WI 53597, (800) 448-7931, WWW.MADRAX.COM, OR APPROVED EQUAL.
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ALL HARDWARE REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE PRICE.



BIKE RACK DETAILS
N.T.S.

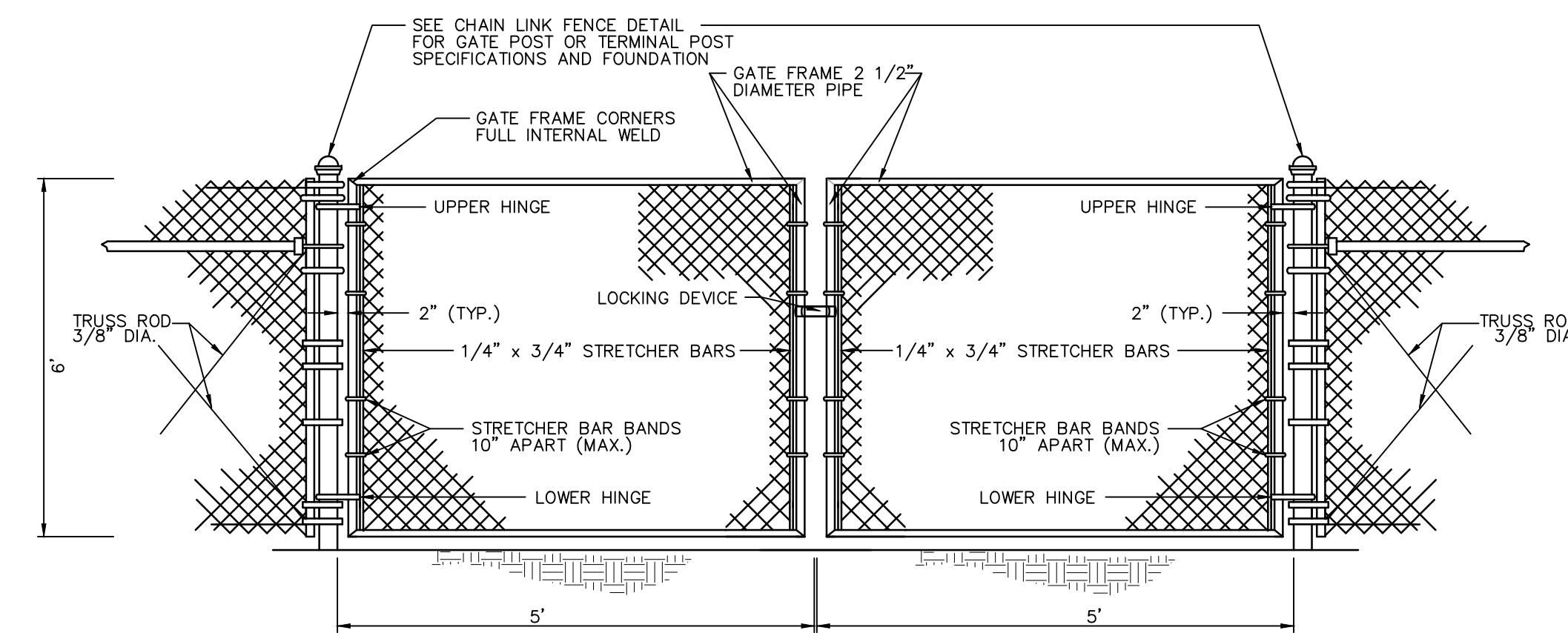


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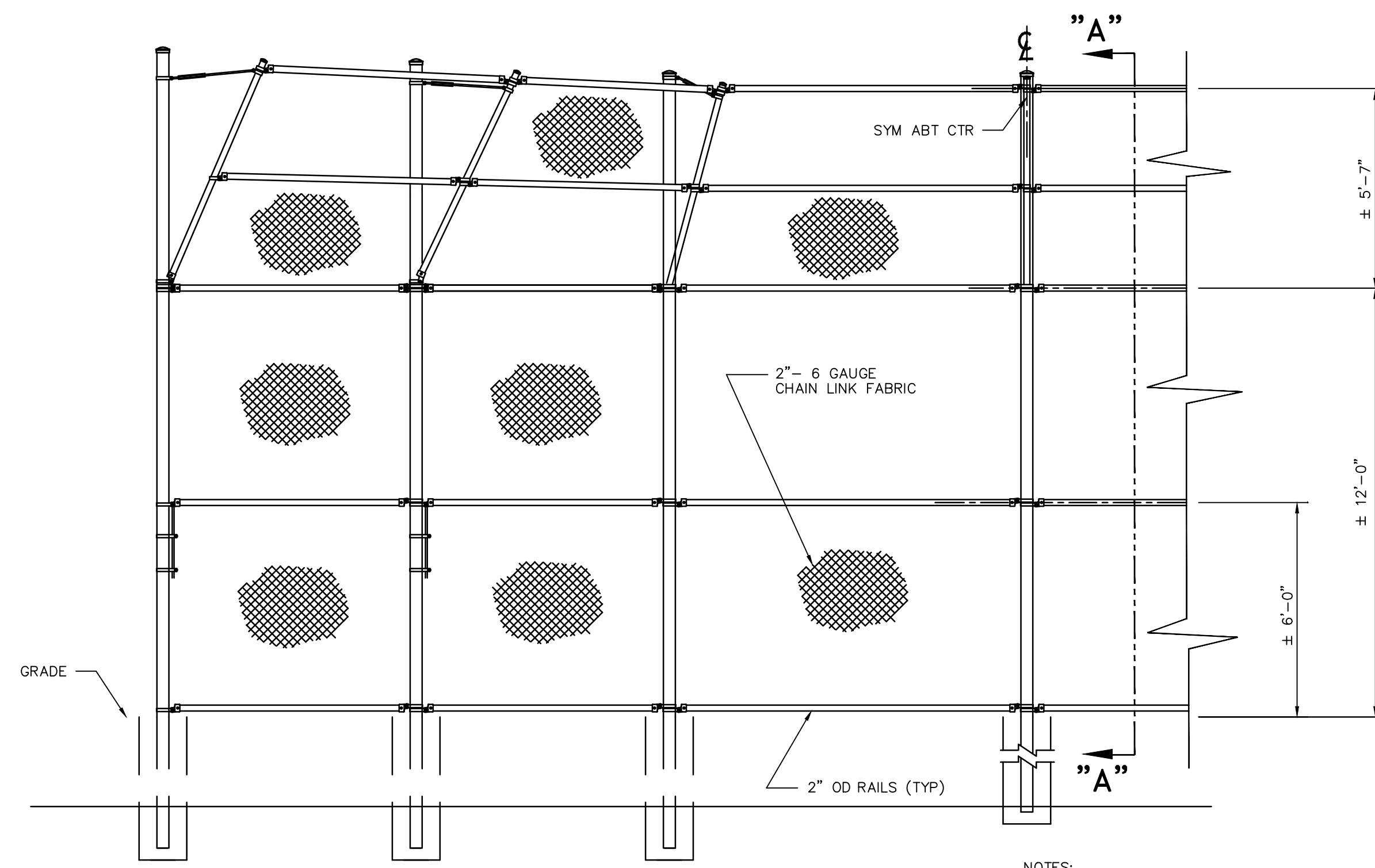
- ALL STEEL PARTS SHALL BE HOT-DIPPED GALVANIZED STEEL.
- CHAIN LINK FABRIC SHALL BE ATTACHED TO TOP AND BOTTOM RAIL AND LINE POSTS BY MEANS OF 9-GAUGE, VINYL COATED TIE WIRE, DOUBLE WRAPPED @ 15" INTERVALS ON POSTS AND 24" INTERVALS ON RAILS.
- ALL PIPE SHALL BE DOMESTIC PIPE.
- ALL FENCE POSTS SHALL BE PLACED AS NOT TO UNDERMINE BELOW-GRADE PRODUCT PIPING AND ELECTRICAL CONDUIT.
- EACH POST SHALL HAVE A TOP SO DESIGNED AS TO EXCLUDE MOISTURE FROM THE POST.
- TOP RAIL SHALL BE PROVIDED WITH A BRACE RAIL BETWEEN EACH TERMINAL POST & NEXT ADJACENT LINE POST.
- INSTALLATION OF FENCING SHALL MEET THE REQUIREMENTS OF ASTM STANDARD PRACTICE F-567 ON INSTALLATION OF CHAIN LINK FENCE.
- RAIL PLACEMENT VARIES. REFER TO "CHAIN LINK FENCE ELEMENT SIZE TABLE" BELOW FOR PLACEMENT LOCATIONS.

CHAIN LINK FENCE ELEMENT SIZE TABLE	
FABRIC HEIGHT	6'-0"
LINE POST Ø	2-1/2"
TERMINAL POST Ø	2-1/2"
RAIL Ø	1-5/8"
FOOTING, DEPTH/POST EMBEDMENT	3'-6"/3'-0"
FOOTING DIAMETER	12"
RAIL PLACEMENT TERMINAL SECTIONS	TOP, MID, BOTTOM
RAIL PLACEMENT LINE SECTIONS	TOP, MID, BOTTOM

CHAIN LINK FENCE
N.T.S.



CHAIN LINK DOUBLE SWING GATE
N.T.S.



ELEVATION

LITTLE LEAGUE BACKSTOP DETAIL
N.T.S.

NOTES:

- SPECIFICATIONS SHOWN CAN BE CHANGED BY THE MANUFACTURER ONLY.
- CONCRETE FOOTING WIDTH TO BE 4X POST WIDTH. MIN DEPTH TO BE 36".
- CONCRETE TO BE N.J.D.O.T. CLASS 'B'.

SEC "A-A"

RVE
1901
REMINGTON & VERNICK ENGINEERS
2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003
(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
-ENGINEERING EXCELLENCE-

Jessica D. Hauber
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. NO. 51487

DATE: 8-15-2023
KENNETH C. RESSLER
NJ PROFESSIONAL ENGINEER LIC. NO. 34559

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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NO.	DATE	BY	CHK	REVISION
2	07/30/24	JH	JH	PER NJDEP COMMENTS
1	04/24/24	JH	JH	PER NJDEP COMMENTS

CONSTRUCTION DETAILS
WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODLICH GLOUCESTER COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
RLR	RLR	DAH	AS NOTED
DATE:	8/15/23	SHEET No.:	52 of 53
JOB No.:	08241082		

Jessica D. Hauber
DATE: 10-01-2024
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 51487

DATE: 8-15-2023
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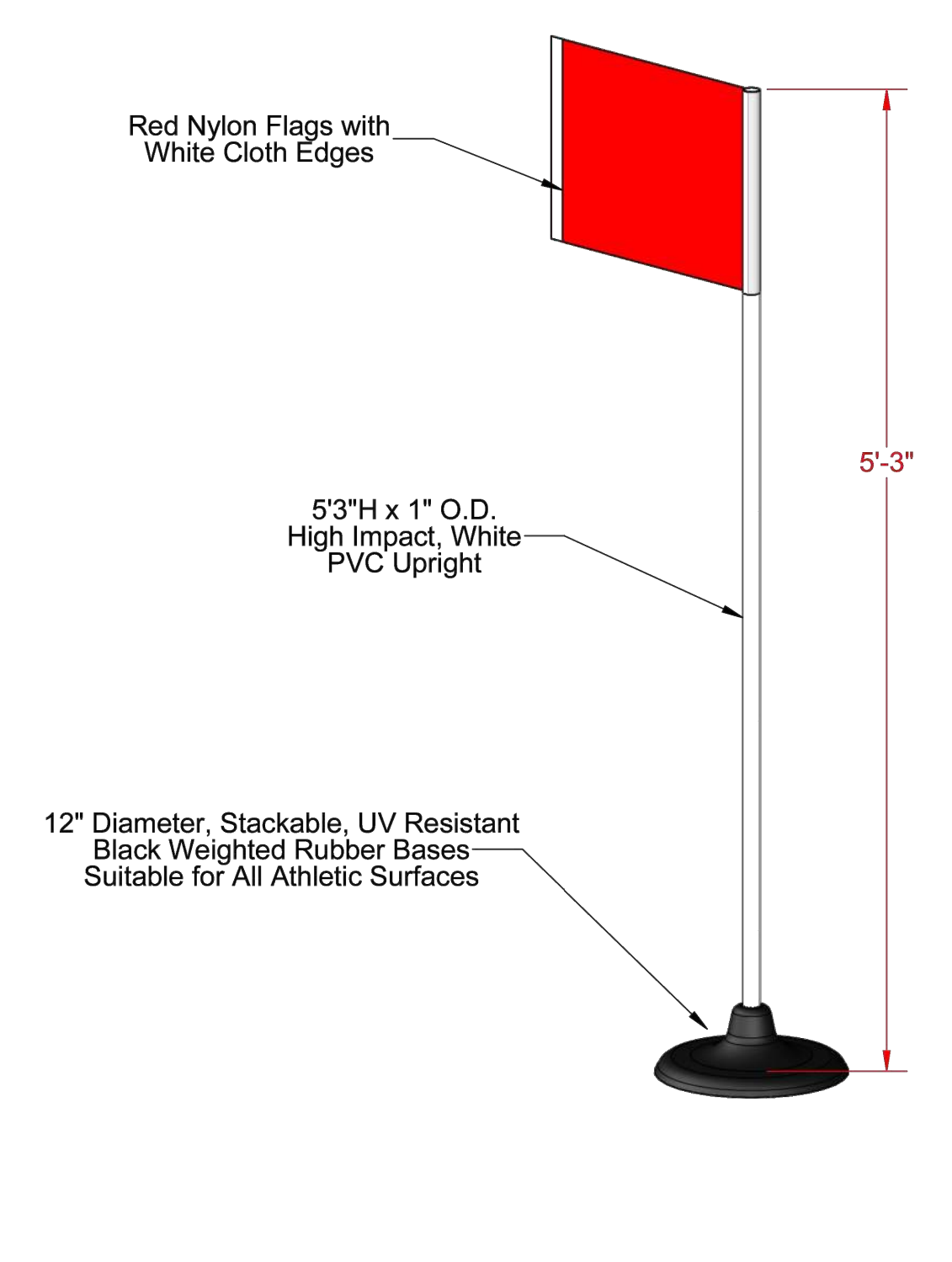
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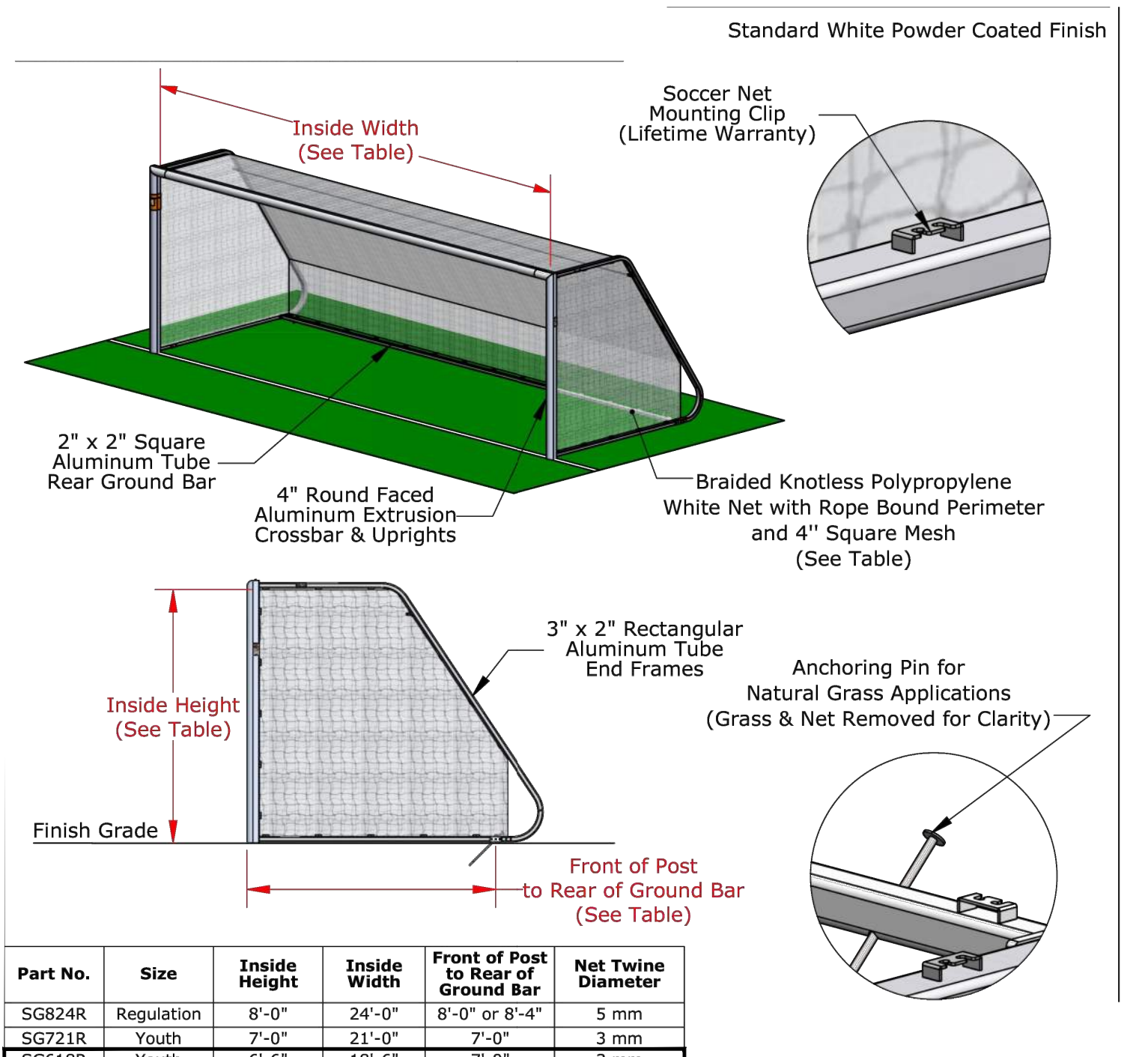
No.	REVISION	DATE	BY	CHK
2	PER NJDEP COMMENTS	07/30/24	JH	JH
1	PER NJDEP COMMENTS	04/24/24	JH	JH

CONSTRUCTION DETAILS
WOODLICH TOWNSHIP
LOCKE AVENUE PARK DEVELOPMENT
PHASE 1
TOWNSHIP OF WOODLICH GLOUCESTER COUNTY NEW JERSEY

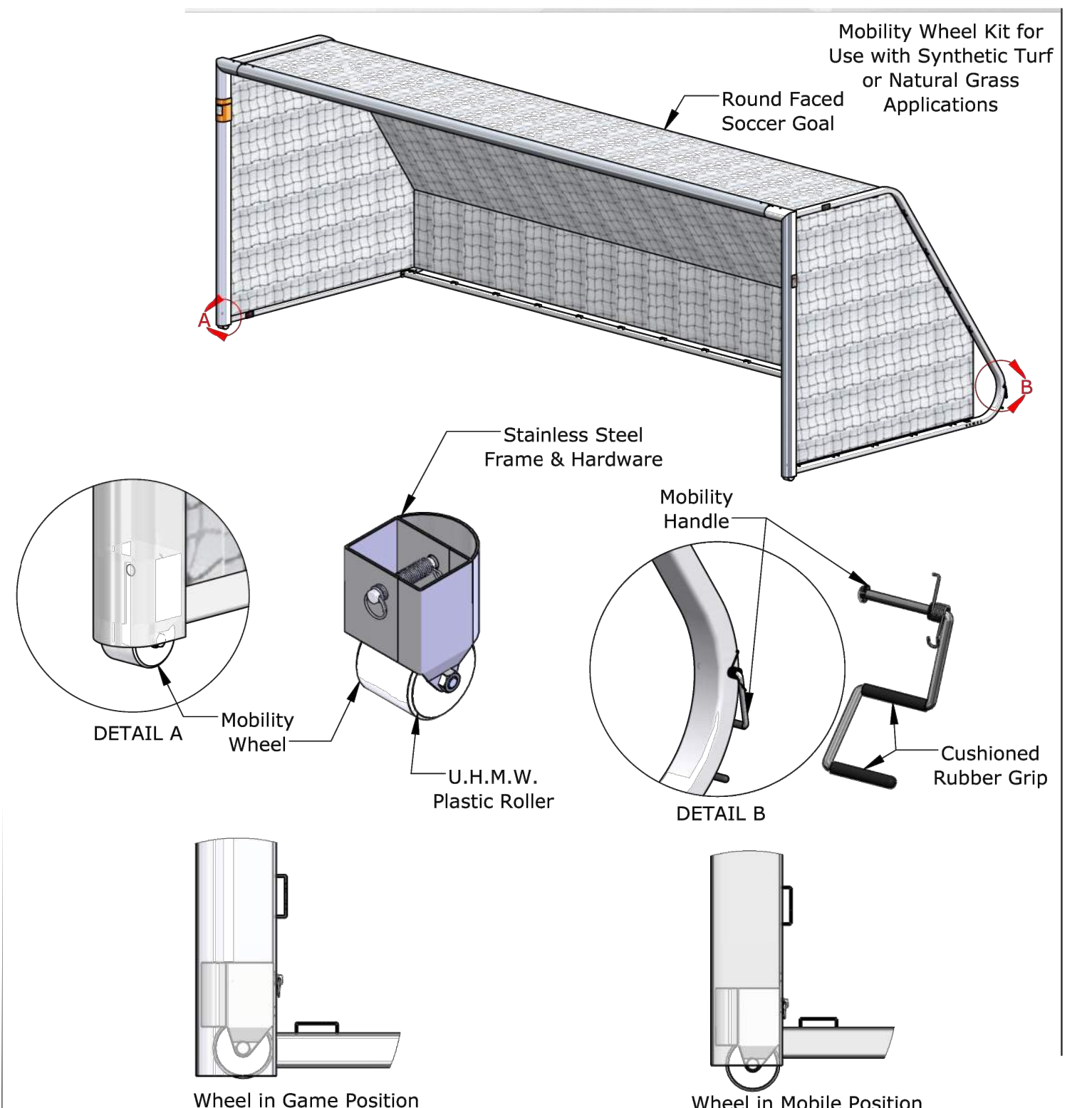
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DATE: 8/15/23	SHEET No.: 53 of 53		
JOB No.: 08241082			



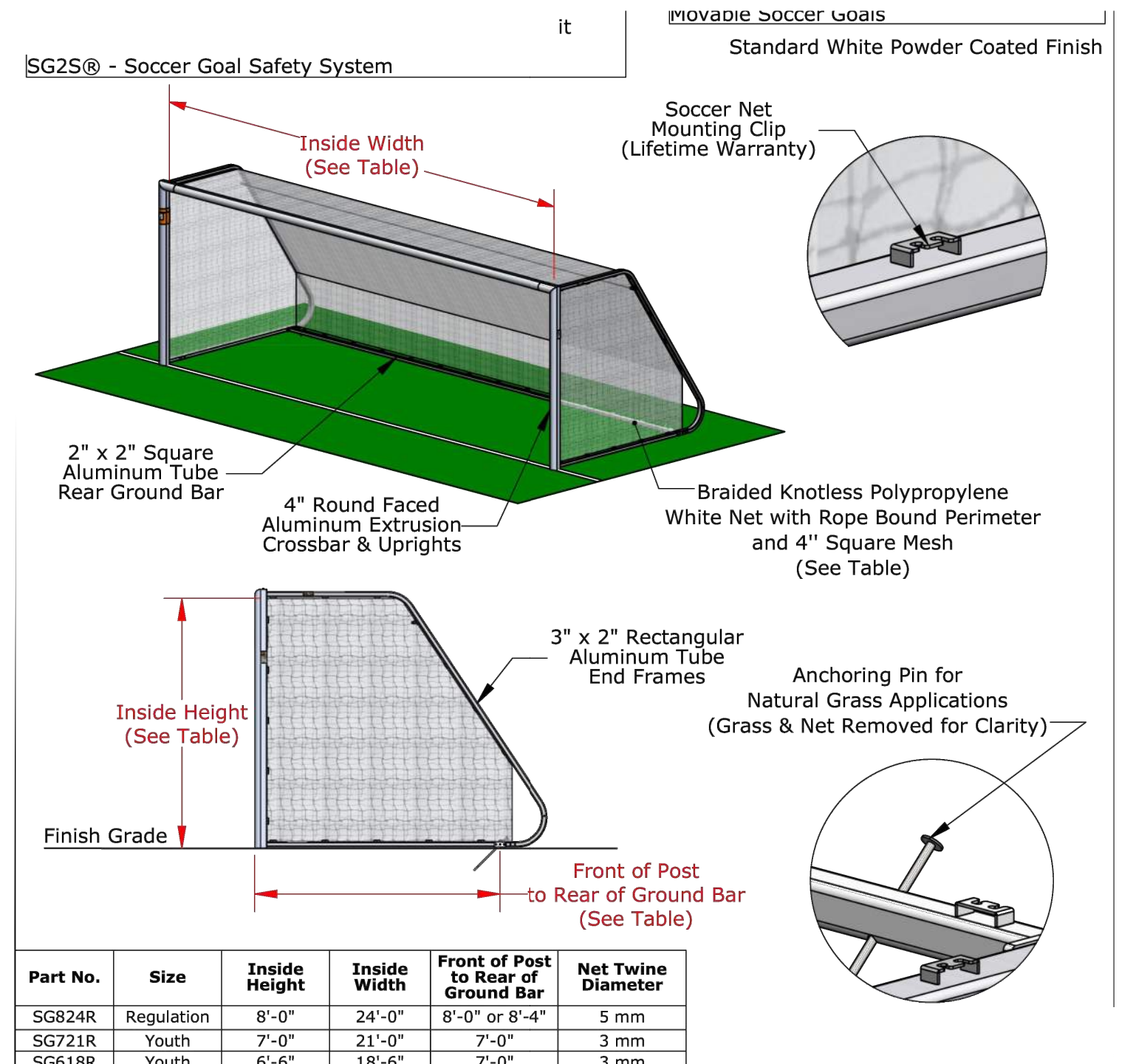
NOTE: SOCCER CORNER FLAGS SHALL BE MODEL NO. S66B1404 SET OF FOUR KWIAGOAL PREMIER SOCCER CORNER FLAGS AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, OR APPROVED EQUAL.
SOCCER CORNER FLAGS
N.T.S.



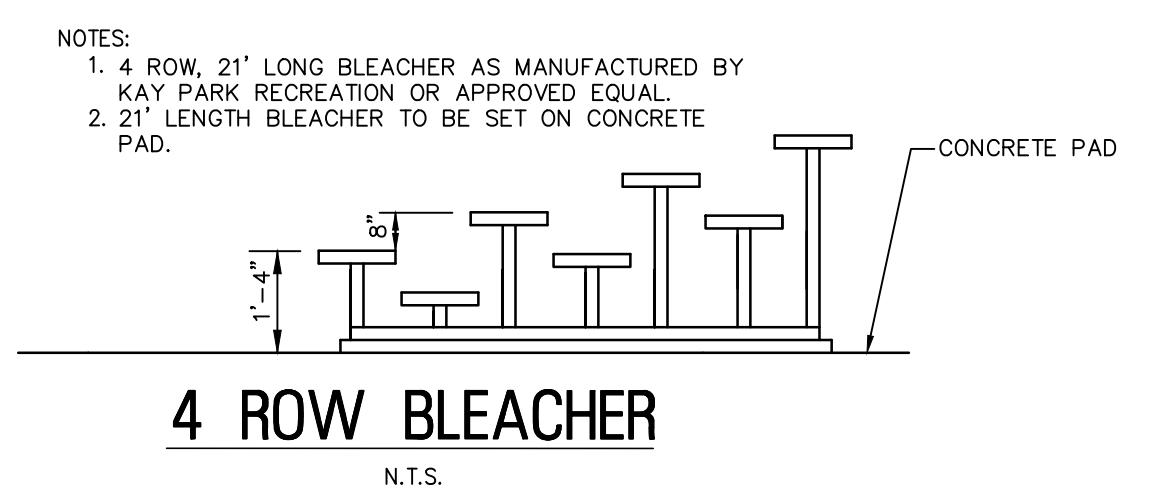
NOTE: YOUTH SOCCER GOAL SHALL BE MODEL NO. S66B1804 ROUND FACED SOCCER GOAL AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, OR APPROVED EQUAL.
YOUTH SOCCER GOAL
N.T.S.



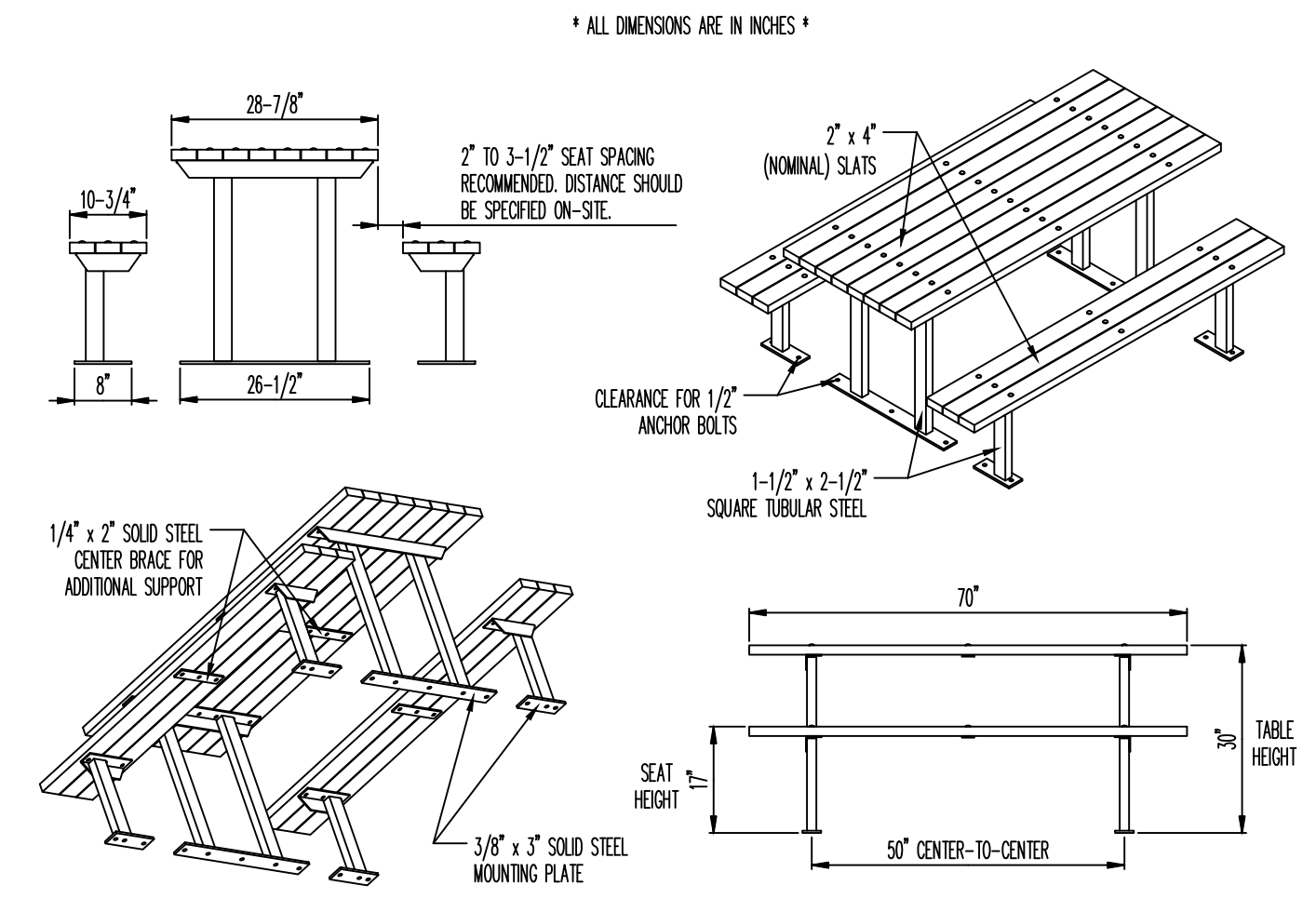
NOTE: SOCCER GOAL INTEGRATED WHEEL KIT SHALL BE MODEL NO. S66B1804 ROUND FACED SOCCER GOAL INTEGRATED WHEEL KIT AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, OR APPROVED EQUAL. COST SHALL BE INCLUDED IN EACH RESPECTIVE UNIT PRICE BID FOR SOCCER GOAL SET WITH INTEGRATED WHEEL KIT, COMPLETE AND YOUTH SOCCER GOAL SET WITH INTEGRATED WHEEL KIT, COMPLETE.
SOCCER GOAL INTEGRATED WHEEL KIT
N.T.S.



NOTE: SOCCER GOAL SHALL BE MODEL NO. S66B1804 ROUND FACED SOCCER GOAL AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, OR APPROVED EQUAL.
SOCCER GOAL
N.T.S.



NOTE: 1. 4 ROW, 21' LONG BLEACHER AS MANUFACTURED BY KAY PARK RECREATION OR APPROVED EQUAL.
2. 21' LENGTH BLEACHER TO BE SET ON CONCRETE PAD.
4 ROW BLEACHER
N.T.S.



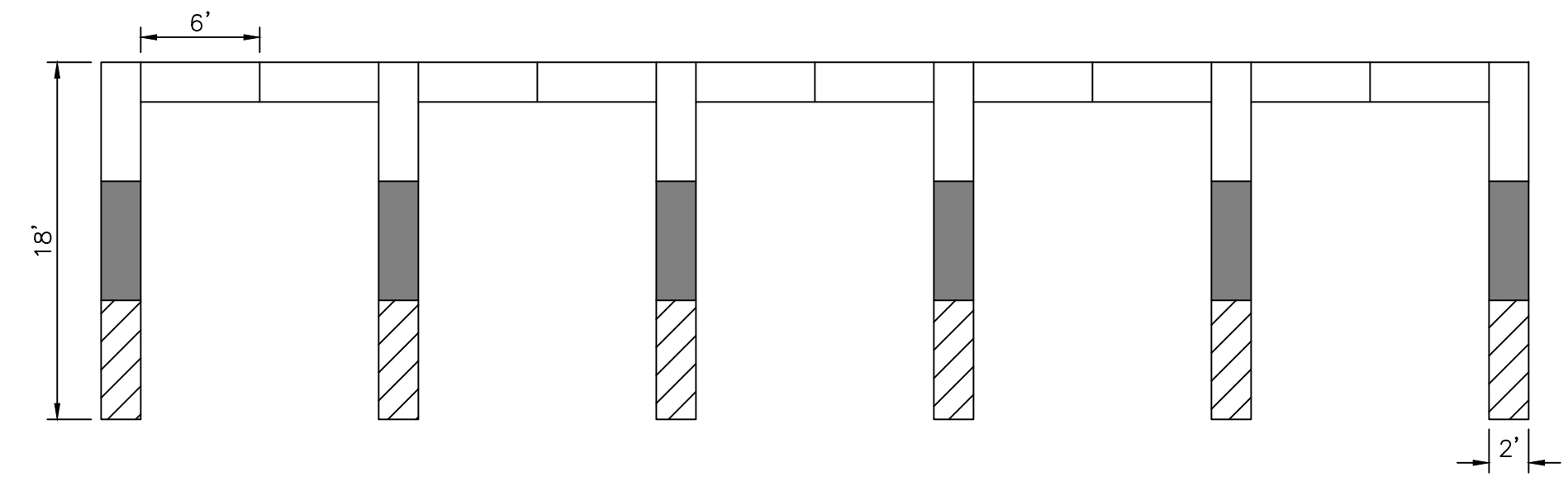
NOTE: 1. PICNIC TABLE SHALL BE 6' HOMESTEAD TRADITIONAL STYLE PICNIC TABLE WITH SEATS, MODEL ST-6, AS MANUFACTURED BY VICTOR STANLEY, P.O. BOX 330, DUNKIRK, MD. 20754, (301) 855-8300, WWW.VICTORSTANLEY.COM, OR APPROVED EQUAL. COLOR: BLACK
2. PICNIC TABLES SHALL BE SURFACE MOUNTED TO CONCRETE PAD.
3. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. ALL HARDWARE REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE PRICE.
TRADITIONAL STYLE PICNIC TABLE WITH SEATS
N.T.S.



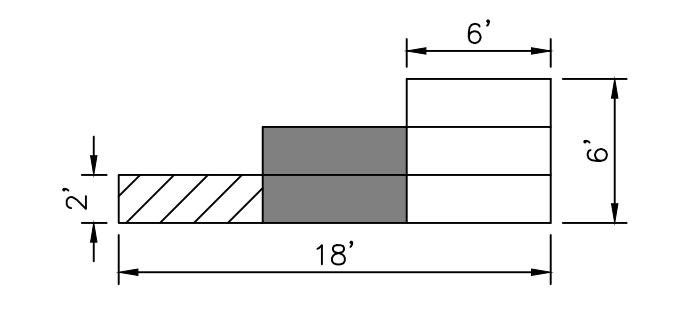
NOTE: 1. PREFABRICATED STORAGE GARAGE SHED, 14' WIDE BY 28' LONG. SHED WITHOUT WINDOWS, MANUFACTURED BY SOUTH JERSEY SHEDS & GAZEBOS, 749 RAMAH ROAD, MILLVILLE, NEW JERSEY 08332, 1-856-447-5150, OR APPROVED EQUAL.
2. STORAGE SHED SHALL HAVE ONE (1) 9'X7' GARAGE DOOR AND ONE (1) MAN DOOR (NOT SHOWN), EXTERIOR SIDING SHALL BE T111, PAINTED.
3. STORAGE SHED SHOWN FOR INFORMATIONAL PURPOSES ONLY, OWNER SHALL SELECT SHED STYLE, COLOR, EXTERIOR FINISH, ROOF FINISH, MAN DOORS AND CONFIGURATION.
4. SHED SHALL REST ON CONCRETE PAD, INCLUDED AS SEPARATE ITEM ON THE BID FORM.
5. COST FOR SHED SHALL INCLUDE INSTALLATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
PREFABRICATED STORAGE SHED
N.T.S.



NOTE: PORTABLE 21' LONG PLAYER BENCH SHALL BE MODEL NO. SKU# BEPG21C AS AVAILABLE THROUGH BSN SPORTS, OR APPROVED EQUAL. COLOR TO BE SELECTED BY OWNER.
PORTABLE TEAM BENCH
N.T.S.



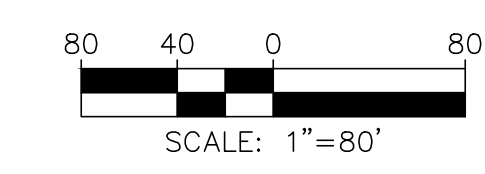
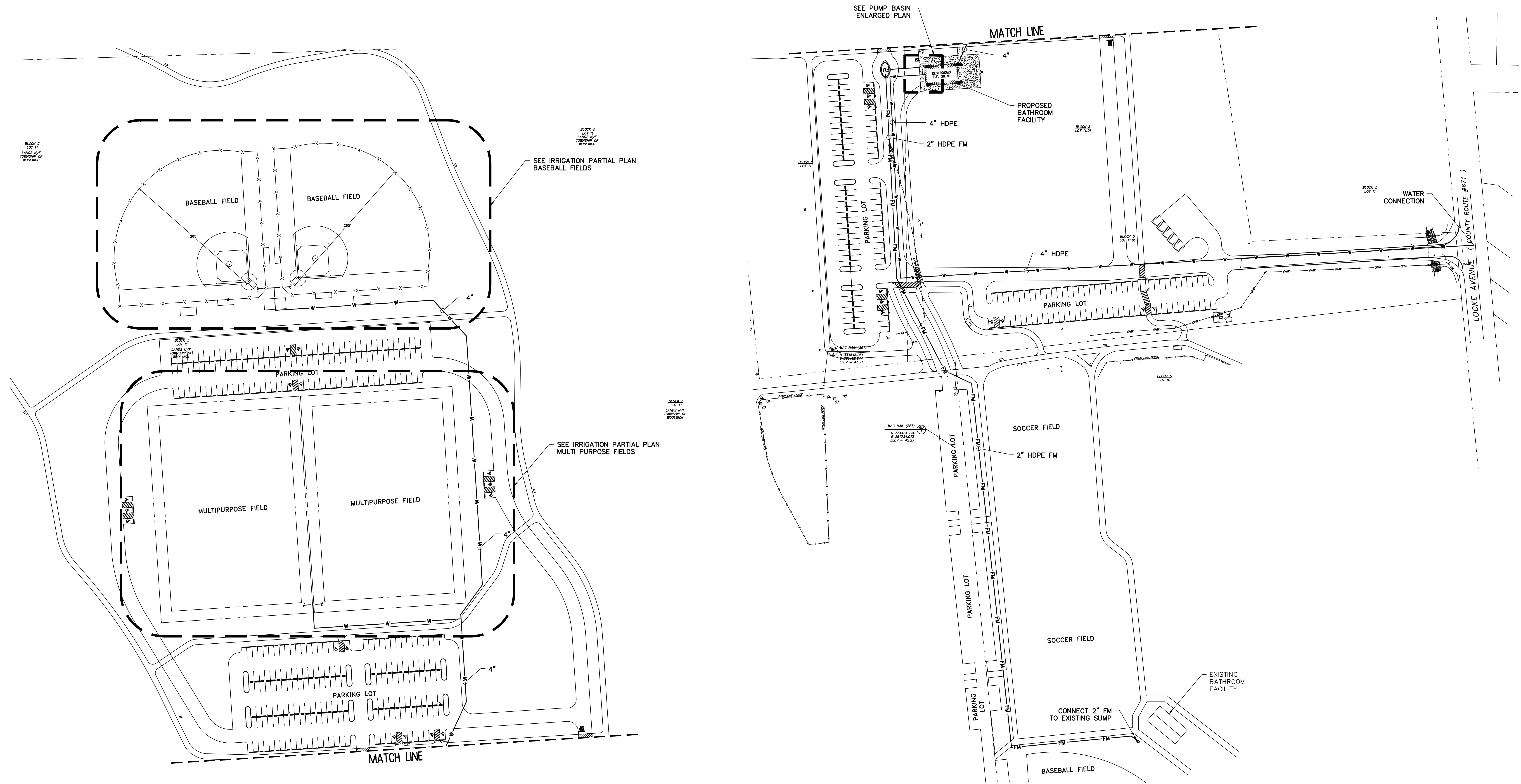
LEGEND:
6'x2'x2' CONCRETE BLOCKS STACKED 3 HIGH
6'x2'x2' CONCRETE BLOCKS STACKED 2 HIGH
6'x2'x2' CONCRETE BLOCK 1 HIGH
STORAGE AREA - AERIAL VIEW
N.T.S.



NOTE: 1. CONCRETE BLOCKS SHALL BE 6'x2'x2' CONCRETE BIN BLOCKS, AS MANUFACTURED BY KENNEDY CONCRETE, 1969 SOUTH EAST AVENUE, VINELAND, NJ 08360, (856) 692-8650, OR APPROVED EQUAL.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. ALL HARDWARE AND MATERIALS REQUIRED FOR INSTALLATION INCLUDING THE 6'x2'x2' CONCRETE BLOCKS SHALL BE INCLUDED IN THE PRICE BID FOR "STORAGE AREA".
STORAGE AREA - SIDE VIEW
N.T.S.

- GENERAL NOTES:
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
 - LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
 - ALL GRASSED OR WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
 - ALL FILL SHALL BE PLACED IN 12-INCH LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.
 - SEPARATE PAYMENT WILL NOT BE MADE FOR SAW CUTTING OF ANY KIND, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
 - PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BY SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
 - ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS AND SPECIFICATIONS. SEPARATE PAYMENT FOR ALL ASSOCIATED COSTS WILL NOT BE MADE, BUT SHALL BE INCLUDED UNDER THE VARIOUS ITEMS OF THE PROPOSAL.
 - ALL UTILITY WORK SHALL BE CONSTRUCTED TO ALLOW UNINTERRUPTED SERVICE TO ADJACENT PROPERTIES.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEEP CONDITION AND OR AS DIRECTED BY THE ENGINEER.
 - INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS SHOWN ON THE PLANS. PAYMENT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
 - THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND MATERIALS, INCLUDING FLAGGERS, FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) DURING THE PROJECT IN ACCORDANCE WITH THE PROJECT PLANS AND NJDOT REQUIREMENTS.
 - THE CONTRACTOR SHALL ANTICIPATE ENCOUNTERING GROUND WATER INFILTRATION INTO EXCAVATED AREAS DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH SIZING AND PROVIDING TEMPORARY BYPASS PUMPING AND/OR DEWATERING SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
 - THE CONTRACTOR SHALL EXERCISE PARTICULAR CARE WHEN CONSTRUCTING OR RESURFACING PAVEMENT, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, TO PROVIDE POSITIVE FLOWING STORMWATER, ANY AREAS WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 - ALL PEDESTRIAN ACCESS TO SIDEWALKS, CURB RAMPS, STREET FURNISHINGS, PEDESTRIAN SIGNALS, PARKING AND OTHER COMPONENTS OF PEDESTRIAN ACCESS PROPOSED IN BUILDINGS, SITES OR THE RIGHT-OF-WAY ARE TO BE IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA) & ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES.
 - ALL CONSTRUCTION SPECIFICATIONS AND DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH NJDOT STANDARDS.
 - CONTRACTOR SHALL COORDINATE THE WORK WITH ALL TRADES.
 - CONTRACTOR SHALL, AND IS SOLELY RESPONSIBLE TO, PERFORM THE WORK FOLLOWING SAFE WORK PRACTICES. CONTRACTOR SHALL CONDUCT LOCKOUT/TAGOUT PROCEDURES AND SHALL NOT CONDUCT WORK ON ENERGIZED EQUIPMENT. LOCKOUT/TAGOUT PROCEDURES SHALL CONFORM TO OSHA REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, 29CFR1910.147 AND 29CFR1910.33.

- NOTES: IRRIGATION PLAN - OVERALL PLAN
- ROUTINGS ON THIS PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS. DO NOT SCALE DRAWINGS.



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REMINGTON & VERNICK ENGINEERS

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Certification of Authorization: 24 GA 28003300
~ENGINEERING EXCELLENCE~

DATE:
STEPHANIE A. CUTHBERT
NJ PROFESSIONAL ENGINEER LIC. No. 42136

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No.	REVISION

OVERALL UTILITY SITE PLAN

WOODLICH TOWNSHIP
LOCKE AVE. PARK
PHASE 1 IMPROVEMENTS

TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

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DATE: 4-2022			C-1
JOB No.: 0824 T 062			

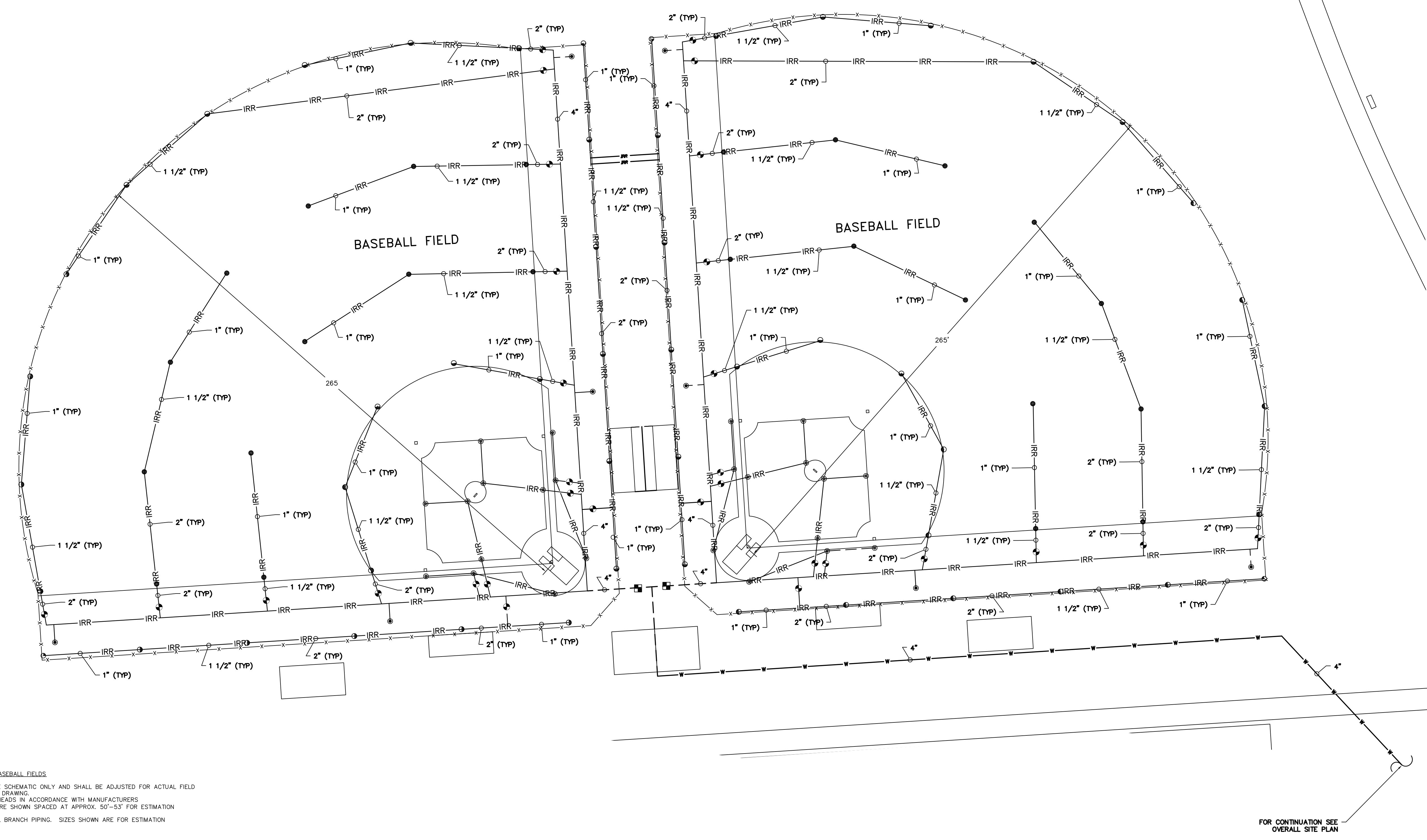
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No.	REVISION

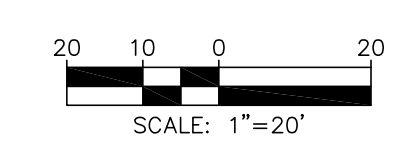
**IRRIGATION PARTIAL PLAN
BASEBALL FIELDS**
WOOLWICH TOWNSHIP
LOCKE AVE. PARK
PHASE I IMPROVEMENTS
TOWNSHIP OF WOOLWICH
GLOUCESTER COUNTY
NEW JERSEY

DRAWN BY:	DESIGNED BY:	CHECKED BY:	SCALE:
CRP	CRP	GS	AS NOTED
DATE:	SHEET NO.:		
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- NOTES: IRRIGATION PLAN - BASEBALL FIELDS
- ROUTINGS ON THIS PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS. DO NOT SCALE DRAWING.
 - CONTRACTOR SHALL SPACE HEADS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, HEADS ARE SHOWN SPACED AT APPROX. 50'-53' FOR ESTIMATION PURPOSES ONLY.
 - CONTRACTOR SHALL SIZE ALL BRANCH PIPING. SIZES SHOWN ARE FOR ESTIMATION PURPOSES ONLY.

LEGEND	
SYMBOL	DESCRIPTION
◆	ZONE VALVE
■	MASTER VALVE
⊠	GATE VALVE
⊞	BACKFLOW PREVENTER
⊞	QUICK DISCONNECT COUPLING
●	90° SPRINKLER
●	180° SPRINKLER
●	360° SPRINKLER
⊙	ADJUSTABLE SPRINKLER

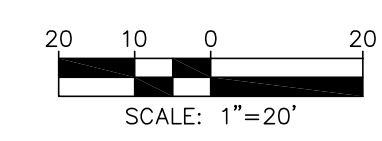




NOTES: IRRIGATION PLAN - MULTIPURPOSE FIELDS

1. ROUTINGS ON THIS PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS. DO NOT SCALE DRAWINGS.
2. CONTRACTOR SHALL SPACE HEADS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. HEADS SHOWN ARE FOR ESTIMATION PURPOSES ONLY.
3. CONTRACTOR SHALL SIZE ALL BRANCH PIPING. SIZES SHOWN ARE FOR ESTIMATION PURPOSES ONLY.

LEGEND	
SYMBOL	DESCRIPTION
	ZONE VALVE
	MASTER VALVE
	GATE VALVE
	BACKFLOW PREVENTER
	QUICK DISCONNECT COUPLING
	90° SPRINKLER
	180° SPRINKLER
	360° SPRINKLER
	ADJUSTABLE SPRINKLER



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NO.	REVISION

**IRRIGATION PARTIAL PLAN
MULTIPURPOSE FIELDS**

WOOLWICH TOWNSHIP
LOCKE AVE. PARK
PHASE I IMPROVEMENTS
TOWNSHIP OF WOOLWICH
GLOUCESTER COUNTY
NEW JERSEY

DRAWN BY:	DESIGNED BY:	CHECKED BY:	SCALE:
CRP	CRP	GS	AS NOTED
DATE:	SHEET NO.:		
4-2022	C-3		
JOB NO.:			
0824 T 062			

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STEPHANIE A. CUTHBERT
NJ PROFESSIONAL ENGINEER LIC. No. 42138

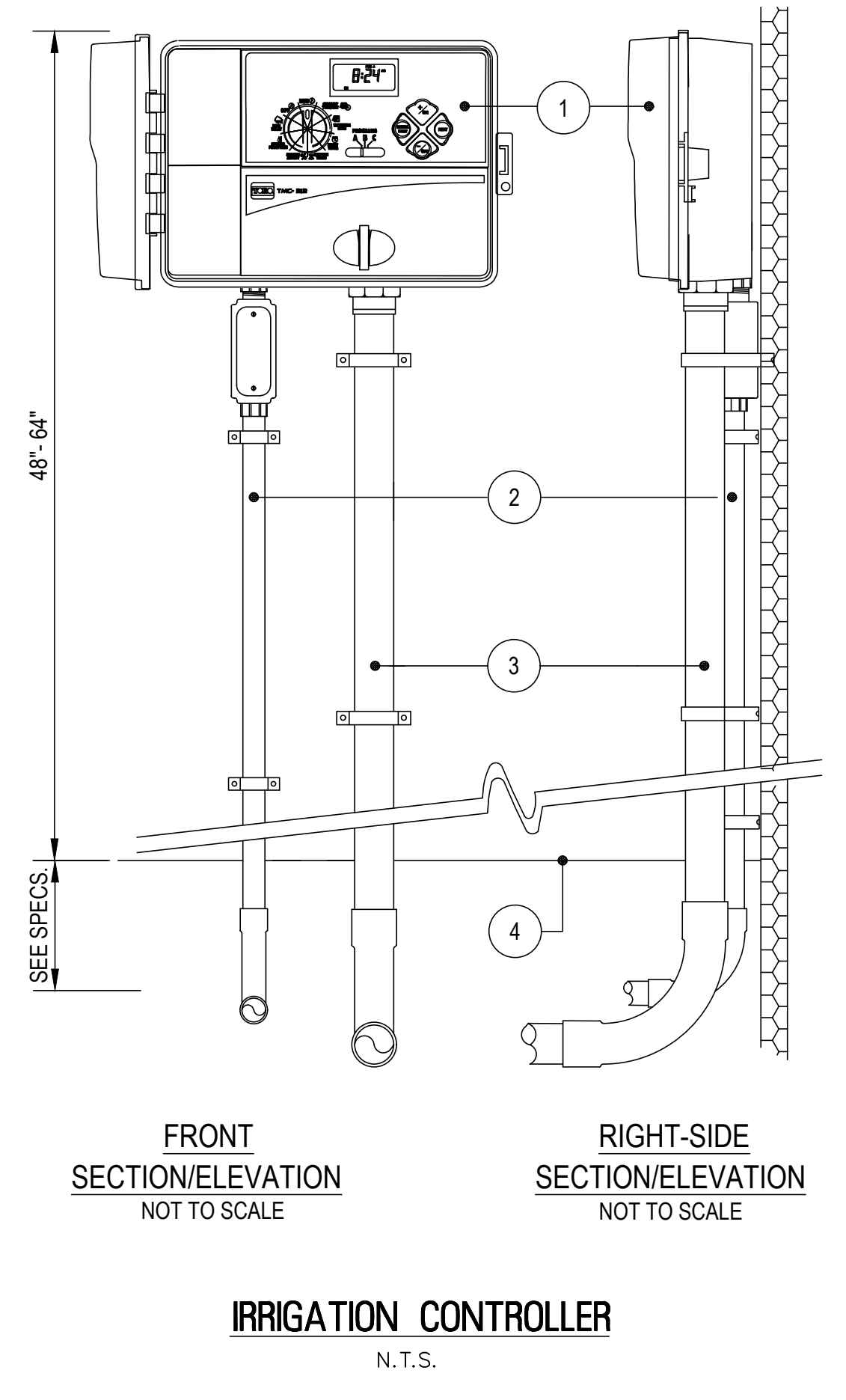
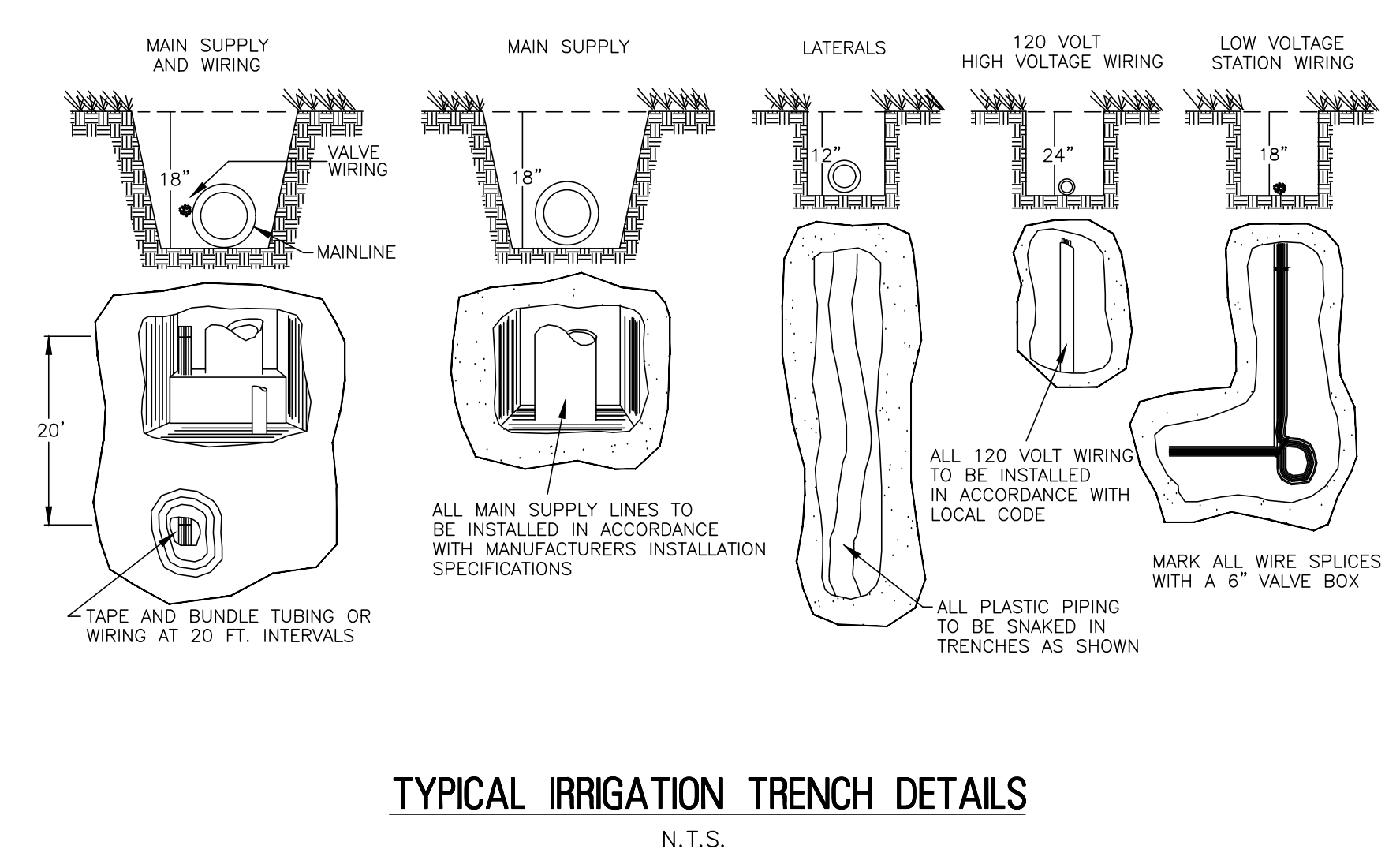
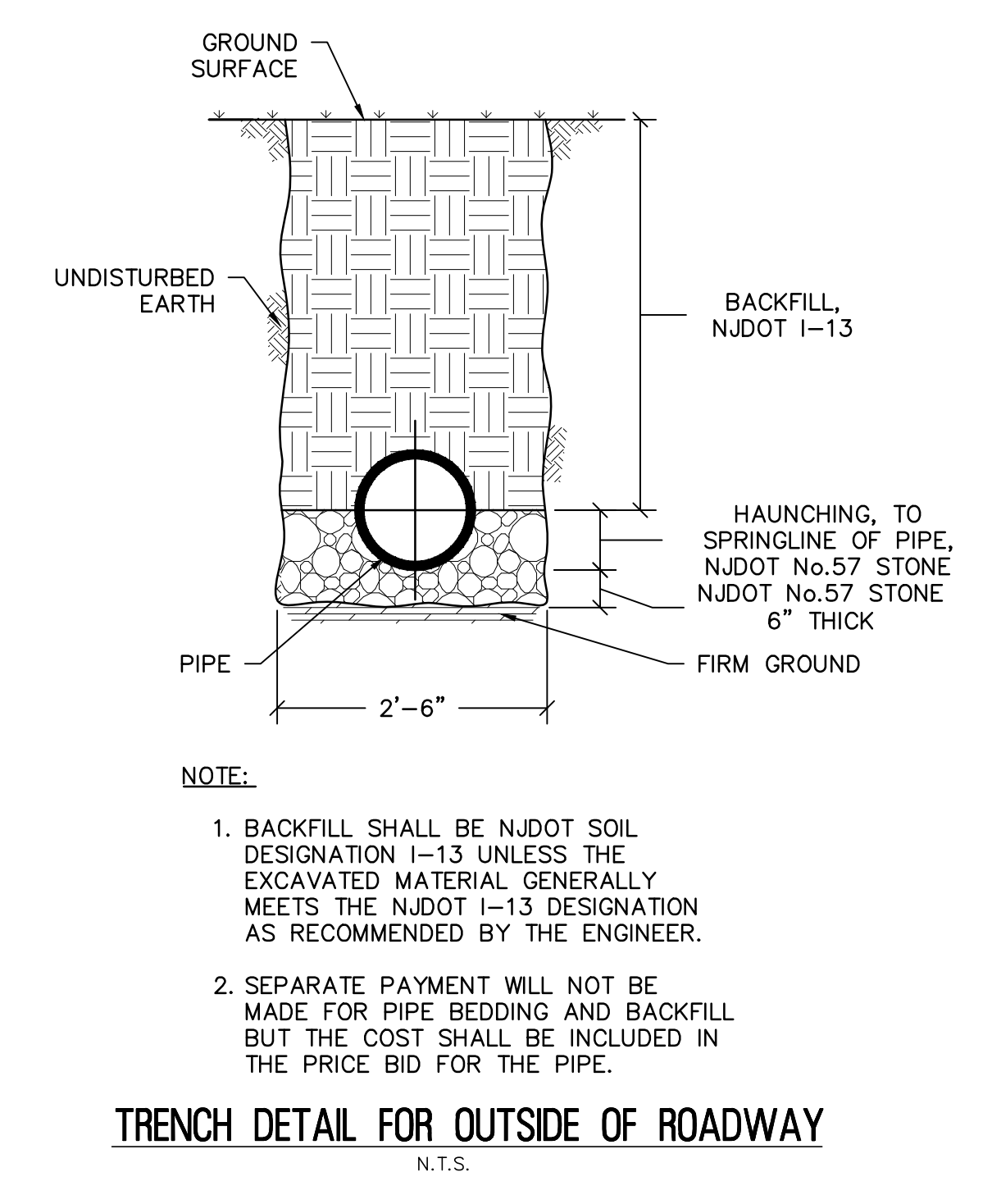
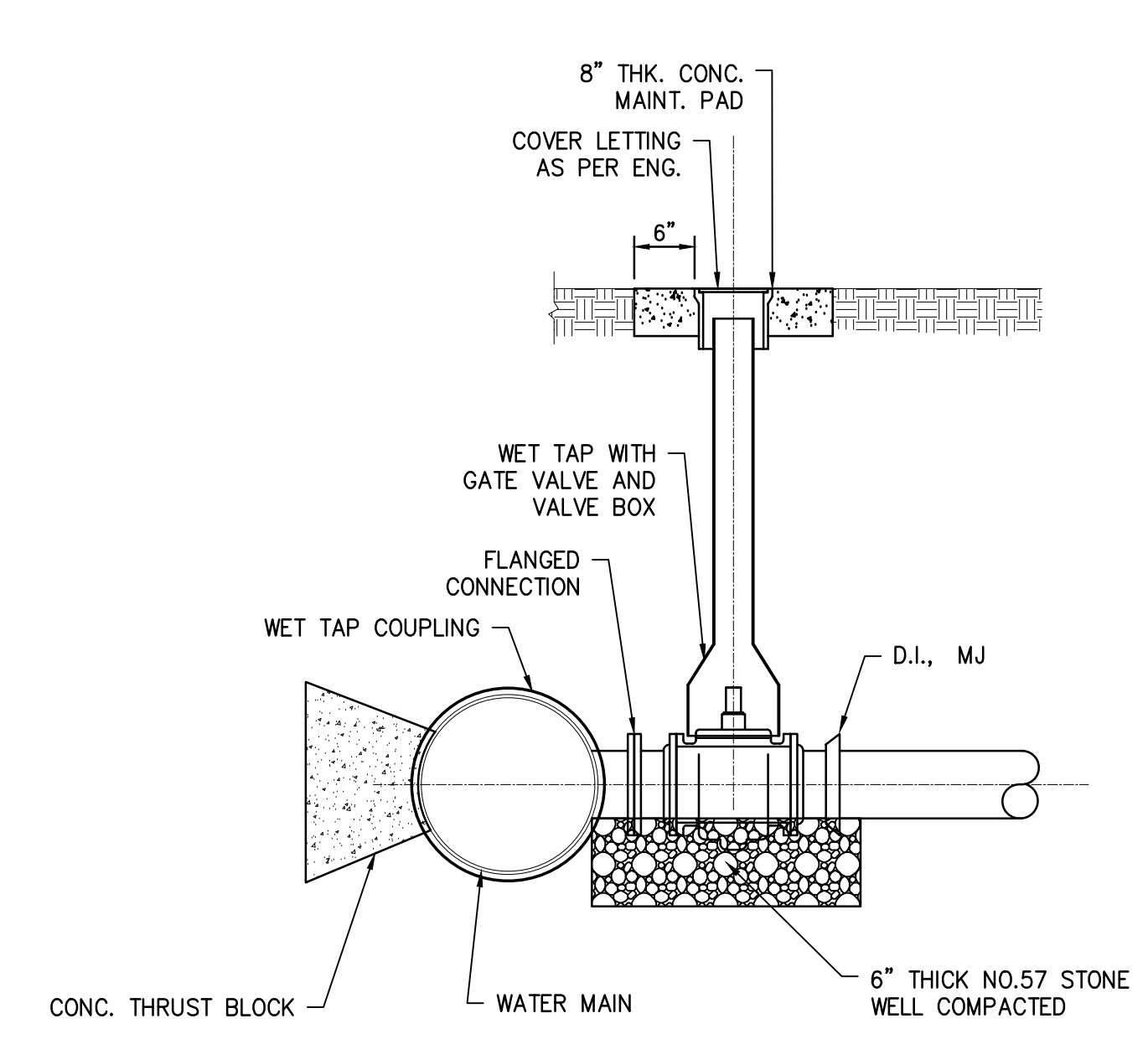
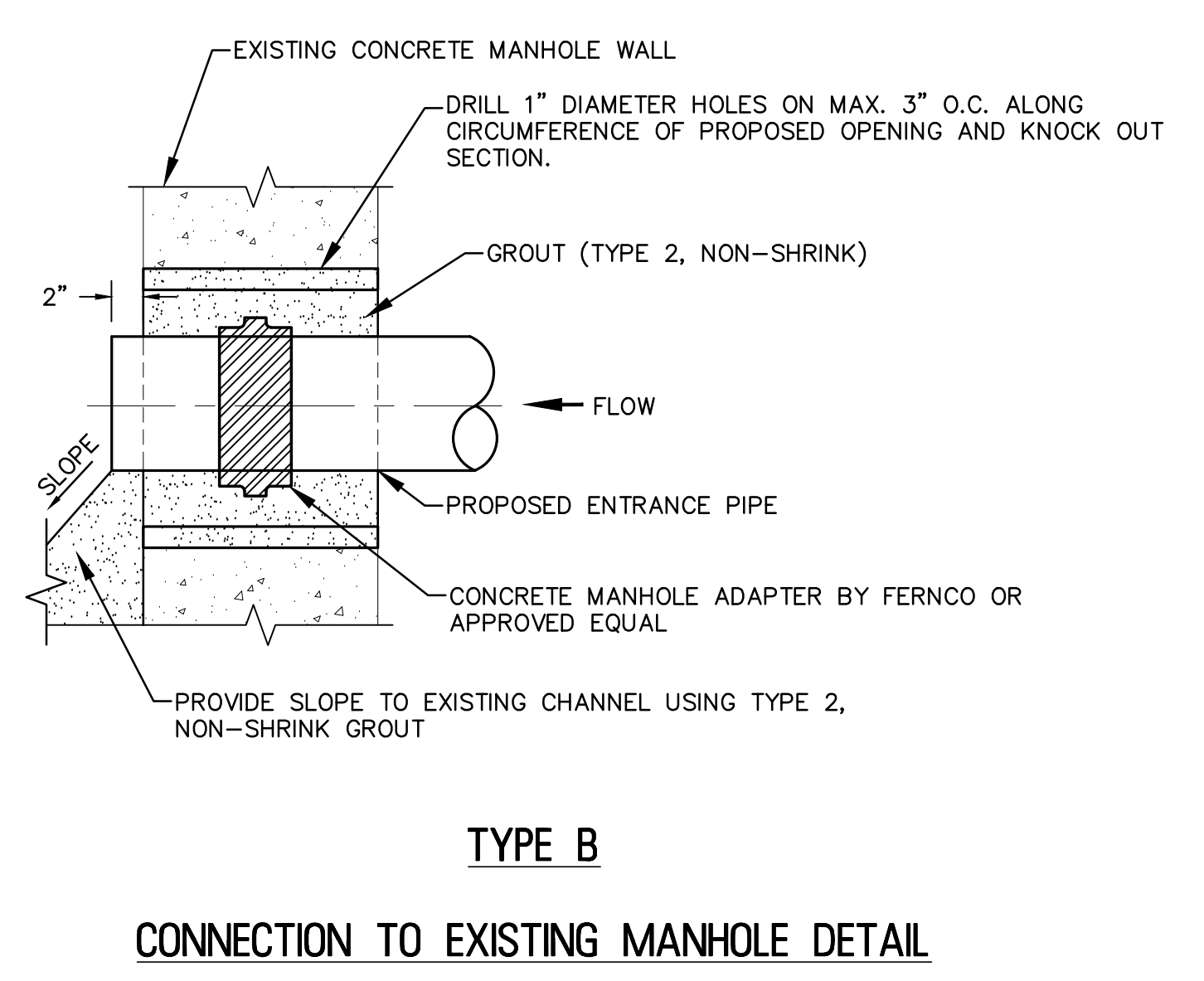
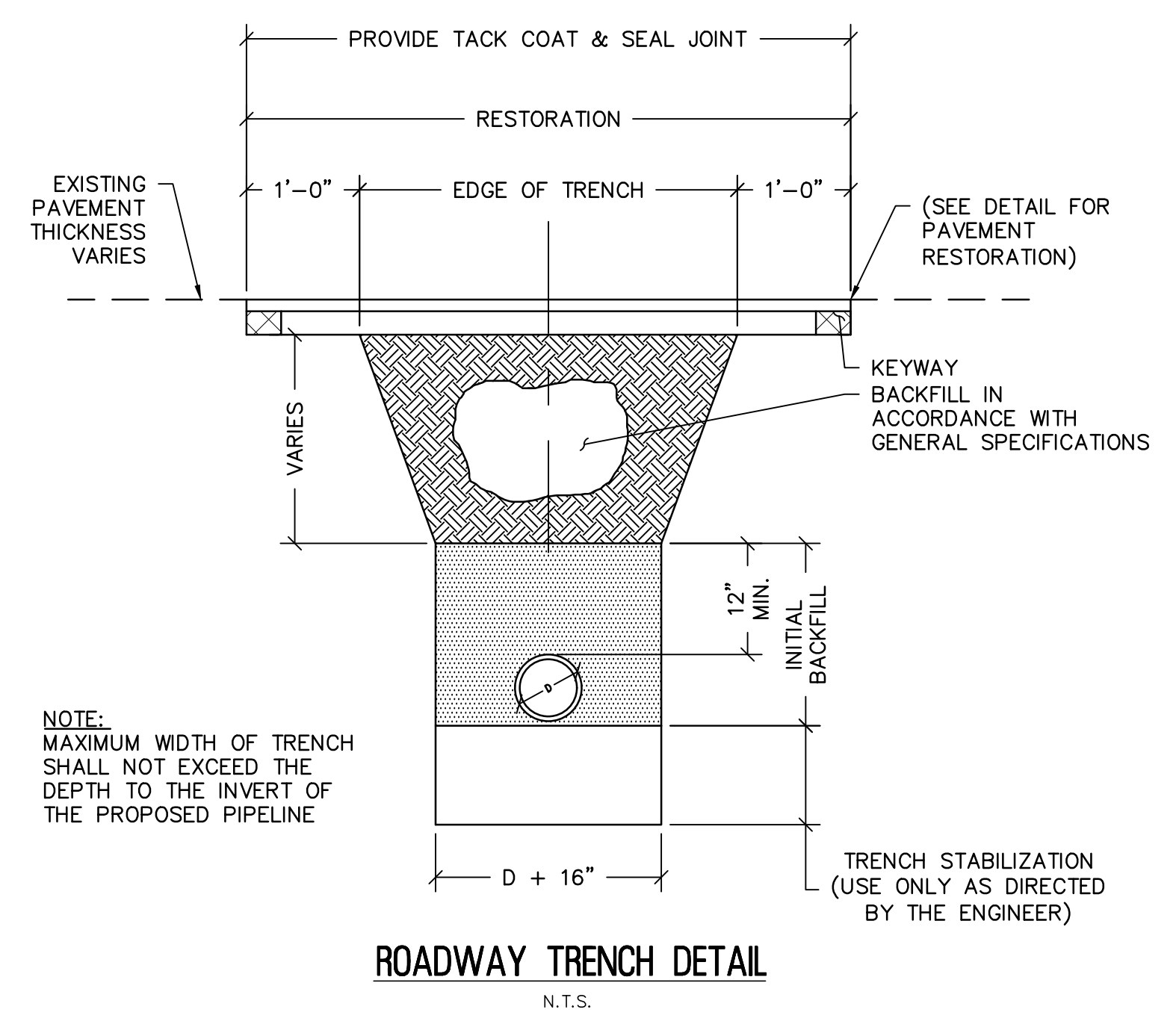
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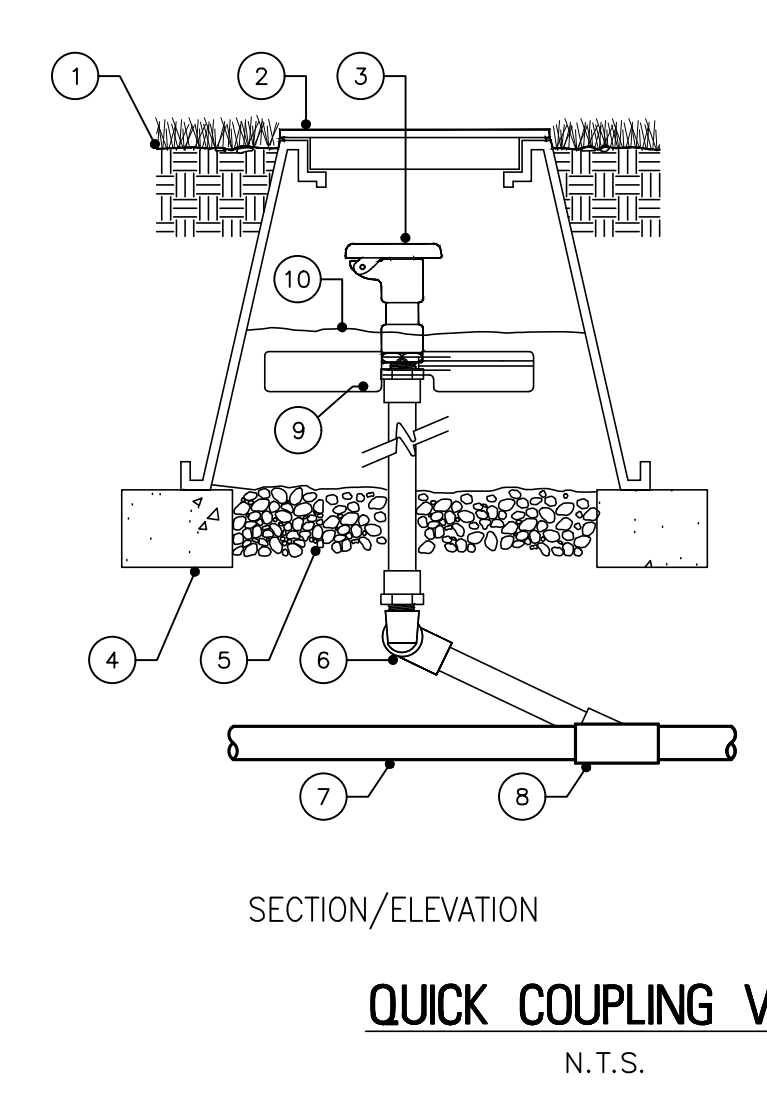
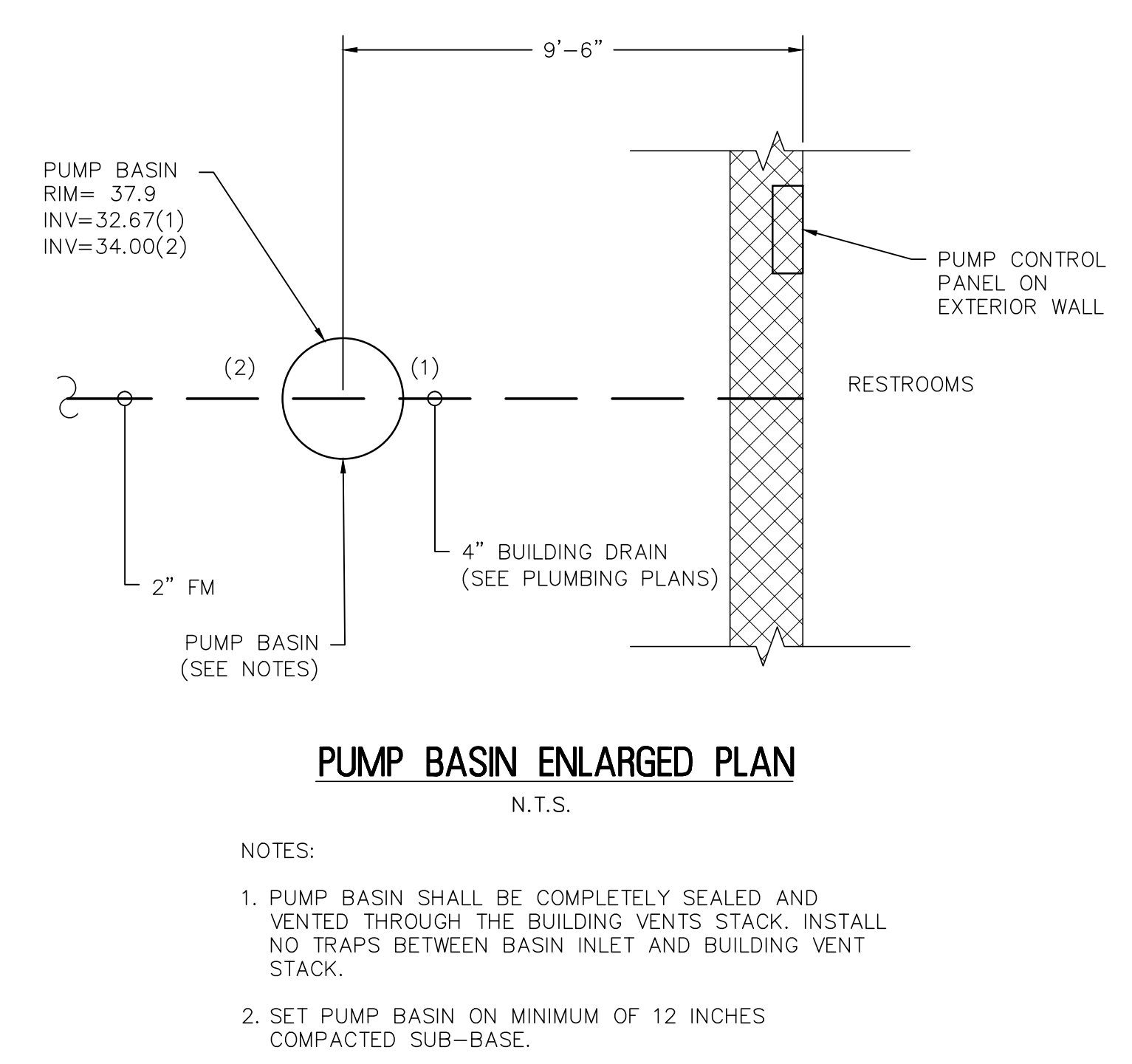
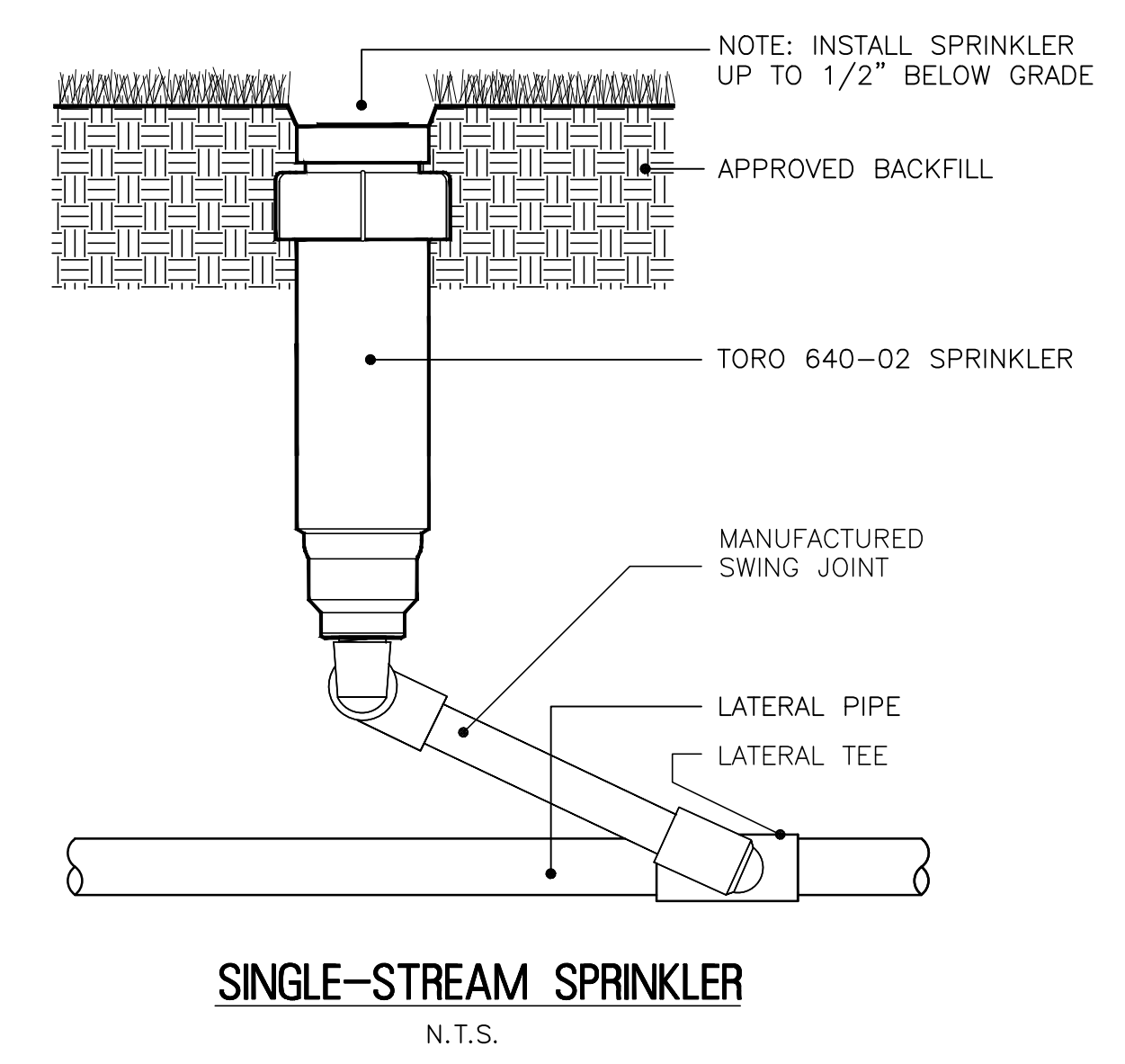
No.	REVISION

UTILITIES DETAILS
WOOLWICH TOWNSHIP
WOOLWICH PARK
PHASE 1 IMPROVEMENTS
TOWNSHIP OF WOOLWICH GLOUCESTER COUNTY NEW JERSEY

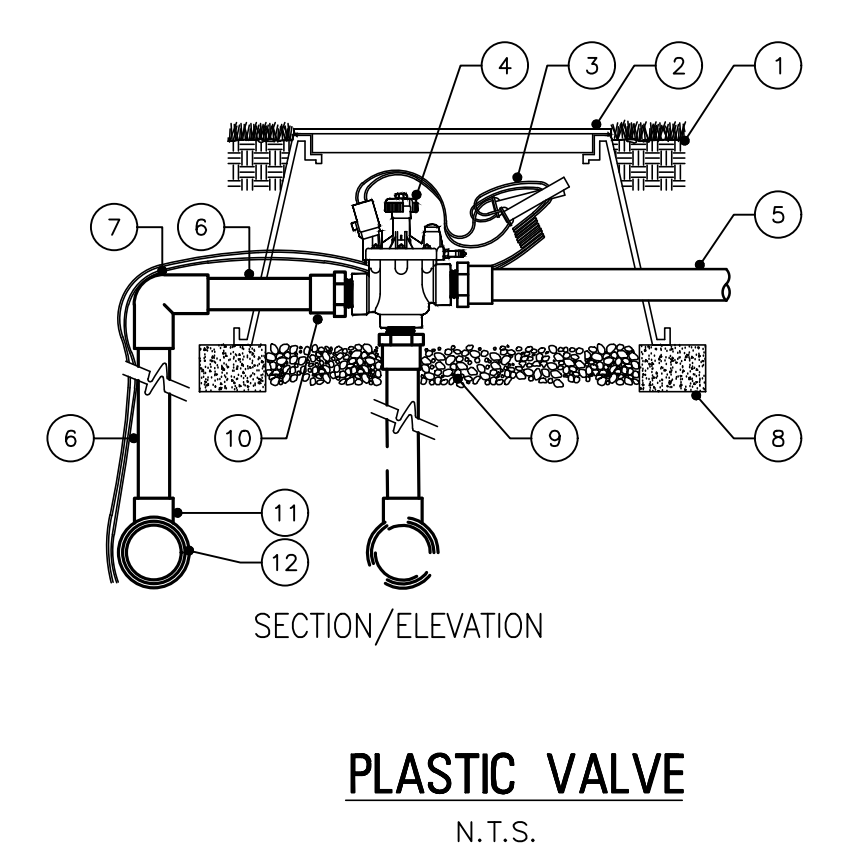
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- LEGEND**
- IRRIGATION CONTROLLER SECURE TO WALL WITH APPROPRIATE FASTENERS.
 - 1/2" CONDULET AND CONDUIT FOR ELECTRICAL POWER PER LOCAL AND NATIONAL ELECTRICAL CODES.
SECURE TO WALL WITH APPROPRIATE PIPE CLAMPS
 - 1" CONDUIT FOR REMOTE CONTROL WIRES. SECURE TO WALL WITH APPROPRIATE PIPE CLAMPS
 - FINISHED GRADE



- FINISHED GRADE
 - VALVE BOX & COVER
 - TORO GLOBE/ANGLE REMOTE CONTROL VALVE WITH FLOW CONTROL MODEL NO. P220-26-XX SEE SPECS & LEGEND
 - CONTINUOUS BRICK SUPPORTS
 - GRAVEL (1 CU. FT.)
 - MANUFACTURED SWING JOINT
 - PVC MAIN LINE SEE SPECS. FOR DEPTH
 - PVC TEE OR ELBOW (TYP.)
 - QUICK COUPLER ANCHOR
 - SAND OR SAND/SOIL MIX
- NOTES:
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.



- FINISHED GRADE
 - VALVE BOX & COVER
 - CONTROL WIRES WITH 12" MIN. SERVICE COIL AND WATERPROOF WIRE SPACE CONNECTORS
 - TORO GLOBE/ANGLE REMOTE CONTROL VALVE WITH FLOW CONTROL MODEL NO. P220-26-XX SEE SPECS & LEGEND
 - PVC LATERAL LINE SEE SPECS. FOR DEPTH
 - PVC MAIN LINE LENGTH AS REQUIRED
 - PVC ELBOW
 - CONTINUOUS BRICK SUPPORTS
 - GRAVEL (1 CU. FT.)
 - PVC MALE ADAPTER (TYP.)
 - PVC TEE OR ELBOW (TYP.)
 - PVC MAIN LINE (TYP.) SEE SPECS. FOR DEPTH
- NOTES:
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

ELECTRICAL SYMBOLS

(ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT)

Table with 2 columns: Symbol, Description. Includes symbols for LED light fixtures, emergency lights, switches, receptacles, junction boxes, and various electrical components.

Table with 2 columns: Symbol, Description. Includes symbols for duplex receptacles, single receptacles, junction boxes, telephone boxes, and various electrical components.

ABBREVIATIONS

Table with 2 columns: Symbol, Description. Lists abbreviations for electrical units, materials, and measurements such as %, AMP., FT., IN., and various electrical terms.

Table with 2 columns: Symbol, Description. Lists abbreviations for electrical equipment, components, and materials such as EMERG. EQUIP., ESTIMATE, EXISTING, and various electrical terms.

STANDARD MOUNTING HEIGHTS

Table with 2 columns: Equipment Type, Mounting Height. Lists standard heights for switches, telephones, receptacles, fire alarm devices, motion detectors, and various electrical components.

WIRE & CONDUIT SIZING SCHEDULE

Table with 4 columns: AMP, CKT. TYPE, CONDUCTOR & NEUTRAL, EQUIPMENT GROUND. Provides sizing data for different wire and conduit types based on amperage and circuit type.

GENERAL NOTES

- List of 27 numbered notes detailing installation requirements, grounding standards, equipment specifications, and safety procedures for the electrical system.

ELECTRICAL SHEET INDEX

Table with 2 columns: SHEET #, DESCRIPTION. Lists the index of electrical sheets including cover sheets, lighting plans, floor plans, and details.

REMINGTON & VERNICK ENGINEERS logo and contact information including address, phone, and website.

CHRISTOPHER A. SAPONARO, NJ PROFESSIONAL ENGINEER LIC. NO. 40059

KAVAN R. SMITH, NJ PROFESSIONAL ENGINEER LIC. NO. 56794

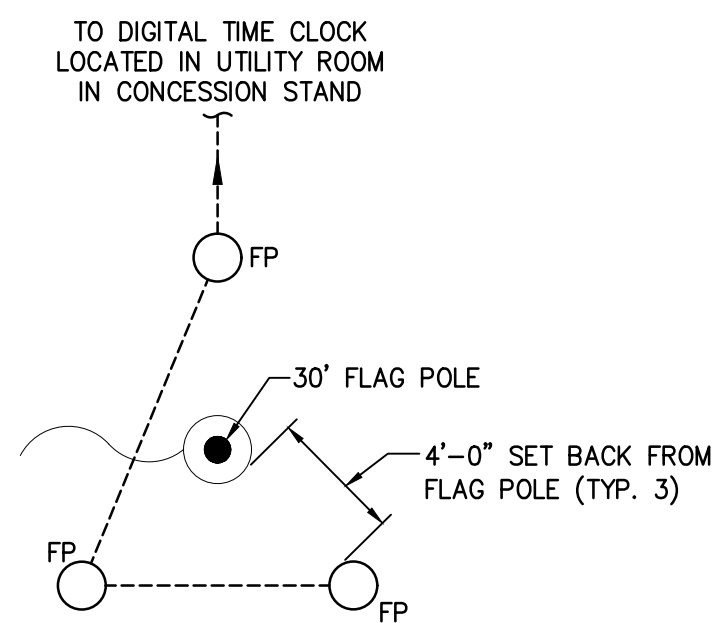
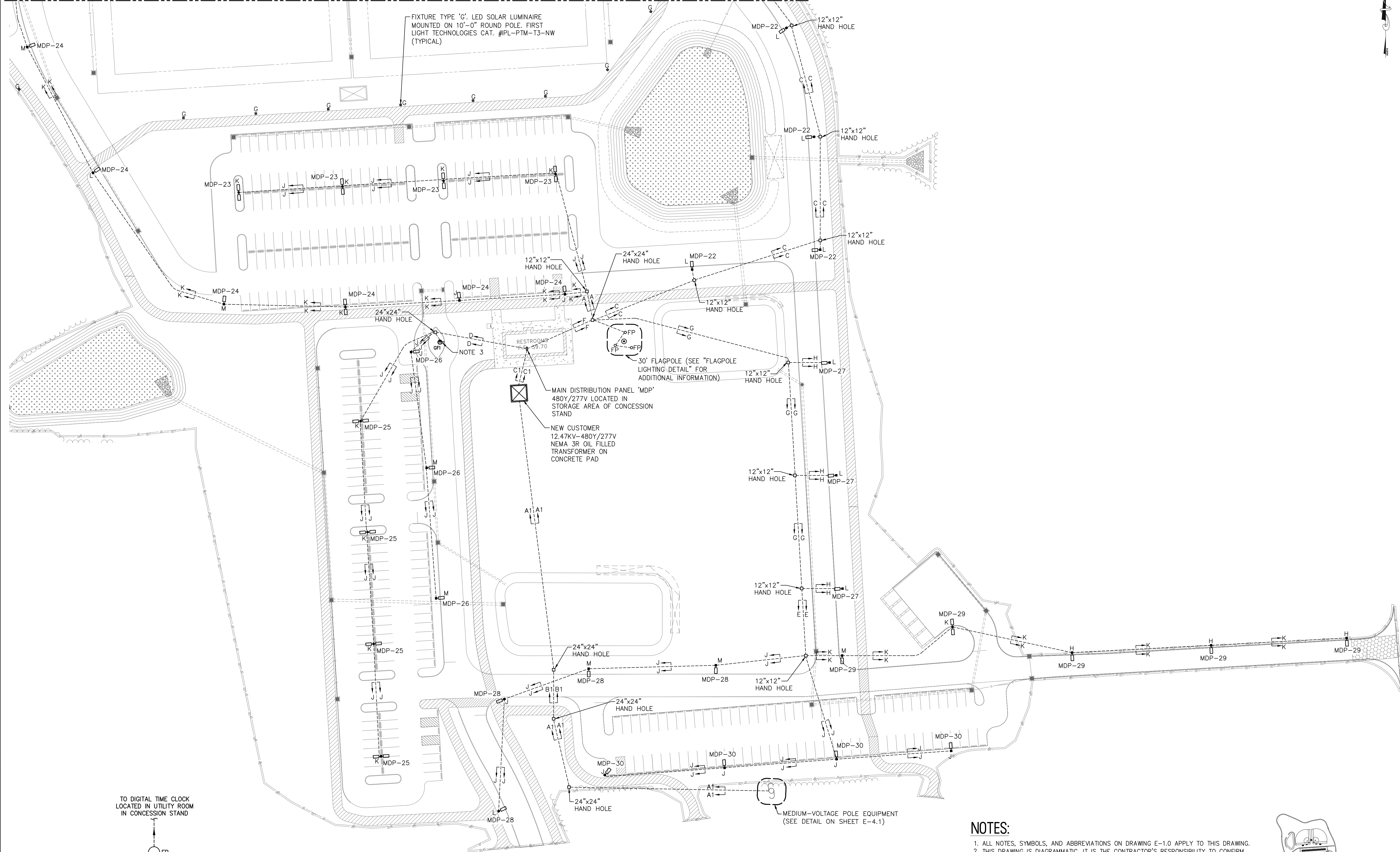
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ELECTRICAL COVER SHEET, WOOLWICH TOWNSHIP, LOCKE AVE PARK CONCRETE STAND, GLOUCESTER COUNTY, NEW JERSEY

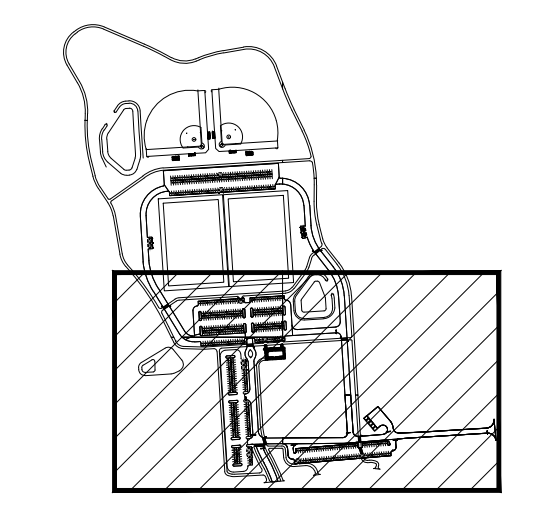
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MATCHLINE SHEET ES-22



2 FLAGPOLE LIGHTING DETAIL
N.T.S.

1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 50' - 0"



3 SITE KEY PLAN
N.T.S.

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
 - THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
 - CONTRACTOR SHALL PROVIDE (1) ONE GFI DUPLEX RECEPTACLE IN A WEATHER PROOF LOCKABLE NEMA 3R ENCLOSURE WITH UNISTRUT SUPPORT AND (2) #12AWG AND (1) #12AWG GROUND IN A 3/4" PVC CONDUIT FOR CHRISTMAS TREE LIGHTS.
 - REFER TO DRAWING E-5.1 AND E-5.2 FOR DUCT BANK, SITE LIGHTING POLE BASE, AND HAND HOLE DETAILS.

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CHRISTOPHER A. SAPONARO
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Christopher A. Saponaro
DATE: **10-28-2024**
KAVAN R. SMITH
NJ PROFESSIONAL ENGINEER LIC. No. 56794

ISSUED FOR BID
DATE: 10-11-2024

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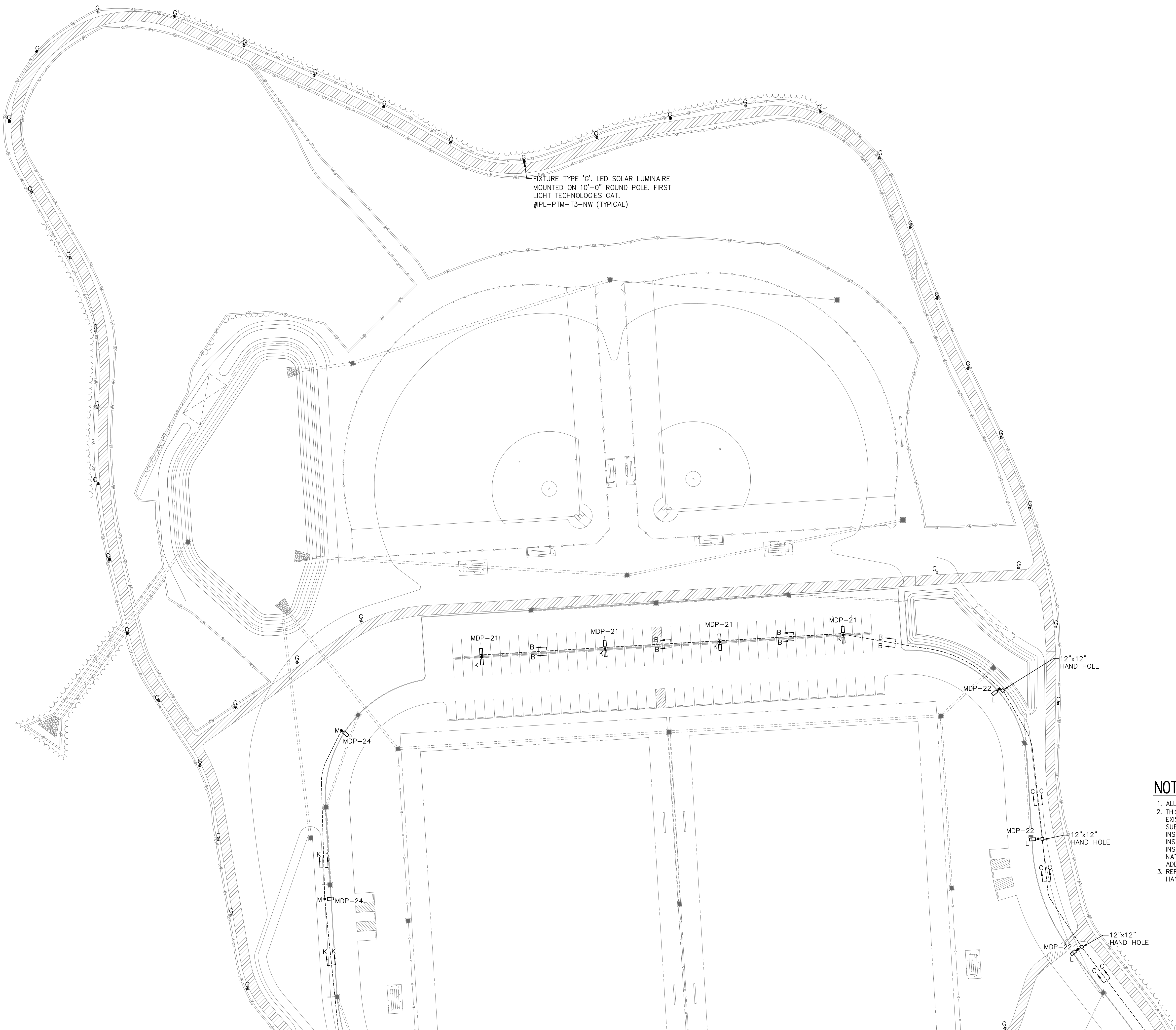
ELECTRICAL SITE LIGHTING PLAN

WOOLWICH TOWNSHIP
LOCKE AVE PARK
CONCESSION STAND

WOOLWICH TOWNSHIP
GLoucester COUNTY
NEW JERSEY

DATE: 10-13-2021
JOB No.: 0824T062

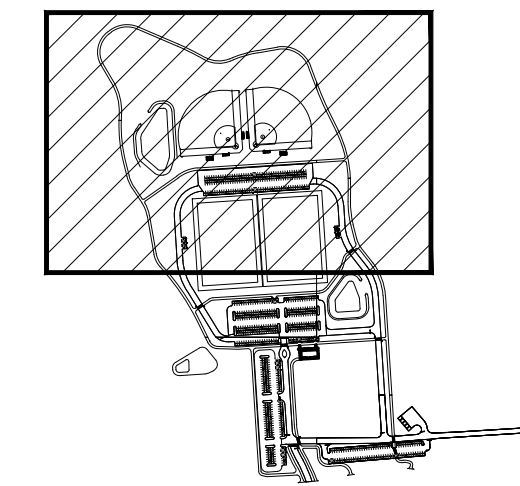
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ES-2.1



FIXTURE TYPE 'G': LED SOLAR LUMINAIRE
MOUNTED ON 10'-0" ROUND POLE. FIRST
LIGHT TECHNOLOGIES CAT.
#PPL-PTM-T3-NW (TYPICAL)

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
3. REFER TO DRAWING E-5.1 AND E-5.2 FOR DUCT BANK, SITE LIGHTING POLE BASE, AND HAND HOLE DETAILS.



2 SITE KEY PLAN
N.T.S.

1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 50' - 0"

MATCHLINE SHEET ES-21

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DATE: 10-11-2024

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NO.	REVISION	DATE	BY

ELECTRICAL SITE LIGHTING PLAN
WOOLWICH TOWNSHIP
LOCKE AVE PARK
CONCESSION STAND
WOOLWICH TOWNSHIP
GLOUCESTER COUNTY
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	DATE:	SHEET No.:	
10-13-2021		ES-2.2	
JOB No.:			
0824T062			



REMINGTON & VERNICK ENGINEERS
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 (856) 795-9595, FAX (856) 795-1882
 WEB SITE ADDRESS : WWW.RVE.COM
 Certification of Authorization: 24 CA 28003300
 "ENGINEERING EXCELLENCE"

DATE:
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

Kavan R. Smith
 DATE: **10-28-2024**
KAVAN R. SMITH
 NJ PROFESSIONAL ENGINEER LIC. No. 56794

ISSUED FOR BID
 DATE: 10-11-2024

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No.	REVISION	DATE	BY	CHK

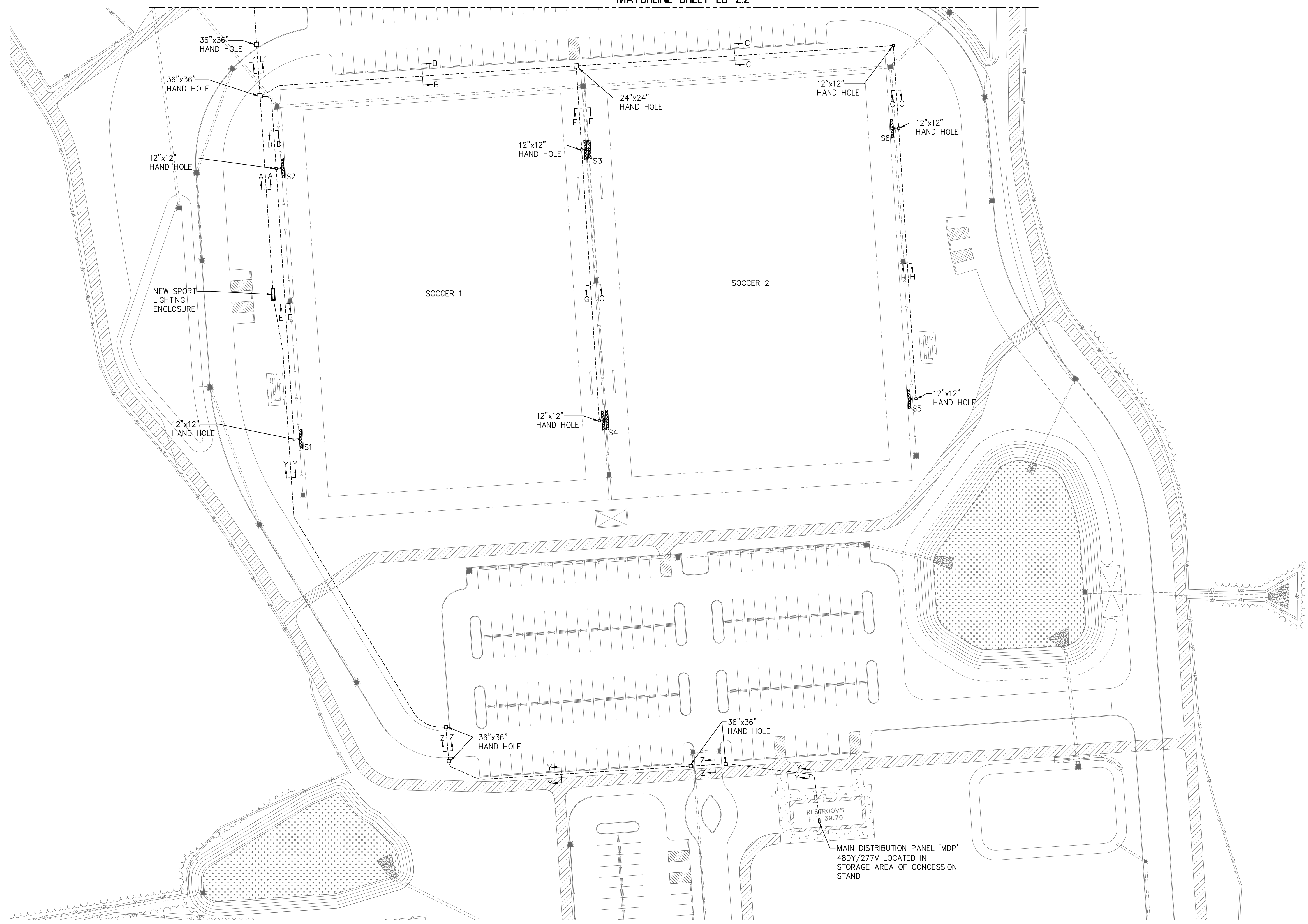
ELECTRICAL SPORT FIELD LIGHTING PLAN

WOOLWICH TOWNSHIP
 LOCKE AVE PARK
 CONCESSION STAND

WOOLWICH TOWNSHIP
 GLOUCESTER COUNTY
 NEW JERSEY

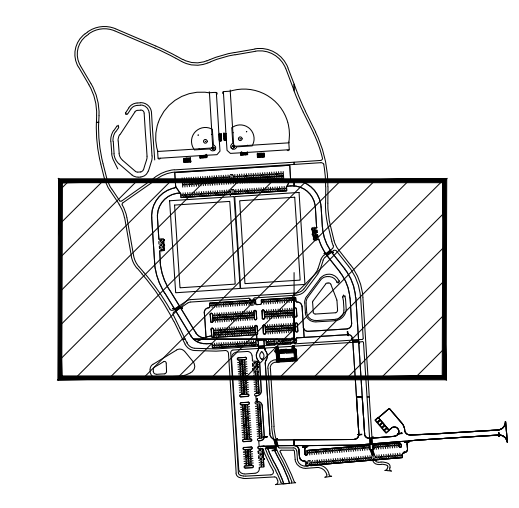
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J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	DATE:	DATE:	SHEET No.:
10-13-2021	10-13-2021	10-13-2021	ES-2.3
JOB No.:	JOB No.:	JOB No.:	JOB No.:
0824T062	0824T062	0824T062	0824T062

MATCHLINE SHEET ES-2.2

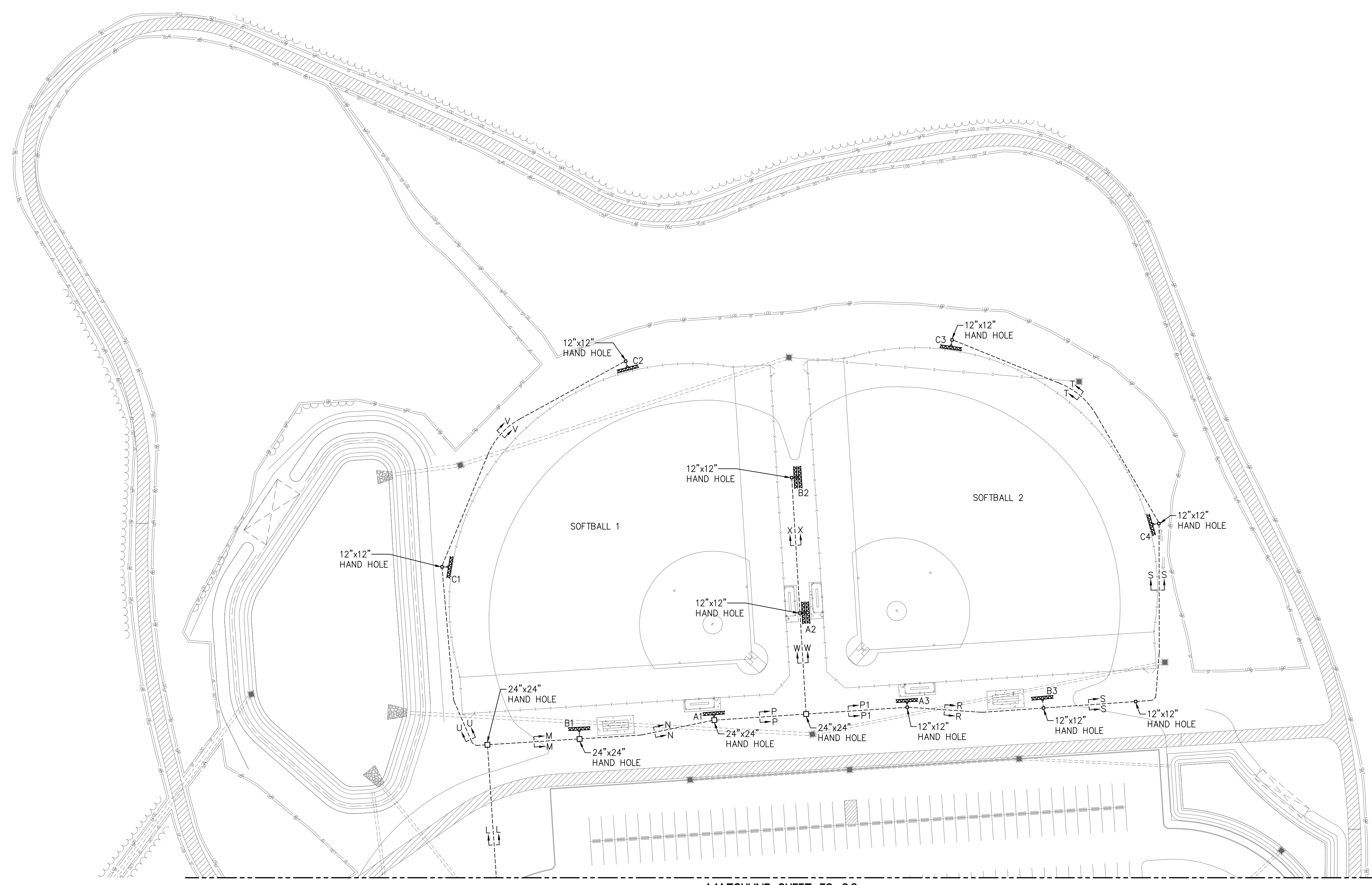


1 ELECTRICAL SPORT FIELD LIGHTING PLAN
 SCALE: 1" = 50' - 0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
 - THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
 - REFER TO DRAWING E-5.2, E-5.3, AND E-5.4 FOR DUCT BANK AND HAND HOLE DETAILS.



2 SITE KEY PLAN
 N.T.S.

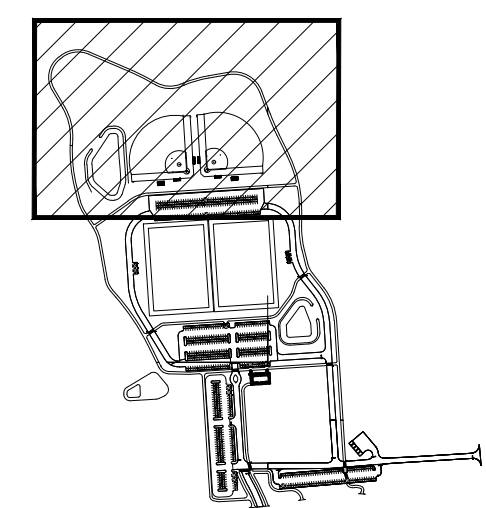


MATCHLINE SHEET ES-23

1 ELECTRICAL SPORT FIELD LIGHTING PLAN
SCALE: 1" = 50' - 0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
3. REFER TO DRAWING E-5.2, E-5.3, AND E-5.4 FOR DUCT BANK AND HAND HOLE DETAILS.



2 SITE KEY PLAN
N.T.S.

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1901
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~ENGINEERING EXCELLENCE~

DATE:
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NJ PROFESSIONAL ENGINEER LIC. No. 40059

Christopher A. Saponaro
DATE: **10-28-2024**
KAVAN R. SMITH
NJ PROFESSIONAL ENGINEER LIC. No. 56794

ISSUED FOR BID
DATE: 10-11-2024

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NO.	REVISION	DATE	BY	CHK

ELECTRICAL SPORT FIELD LIGHTING PLAN

WOOLWICH TOWNSHIP
LOCKE AVE PARK
CONCESSION STAND

WOOLWICH TOWNSHIP
GLOUCESTER COUNTY
NEW JERSEY

DATE:	SCALE:
10-13-2021	AS NOTED
0824T062	ES-2.4



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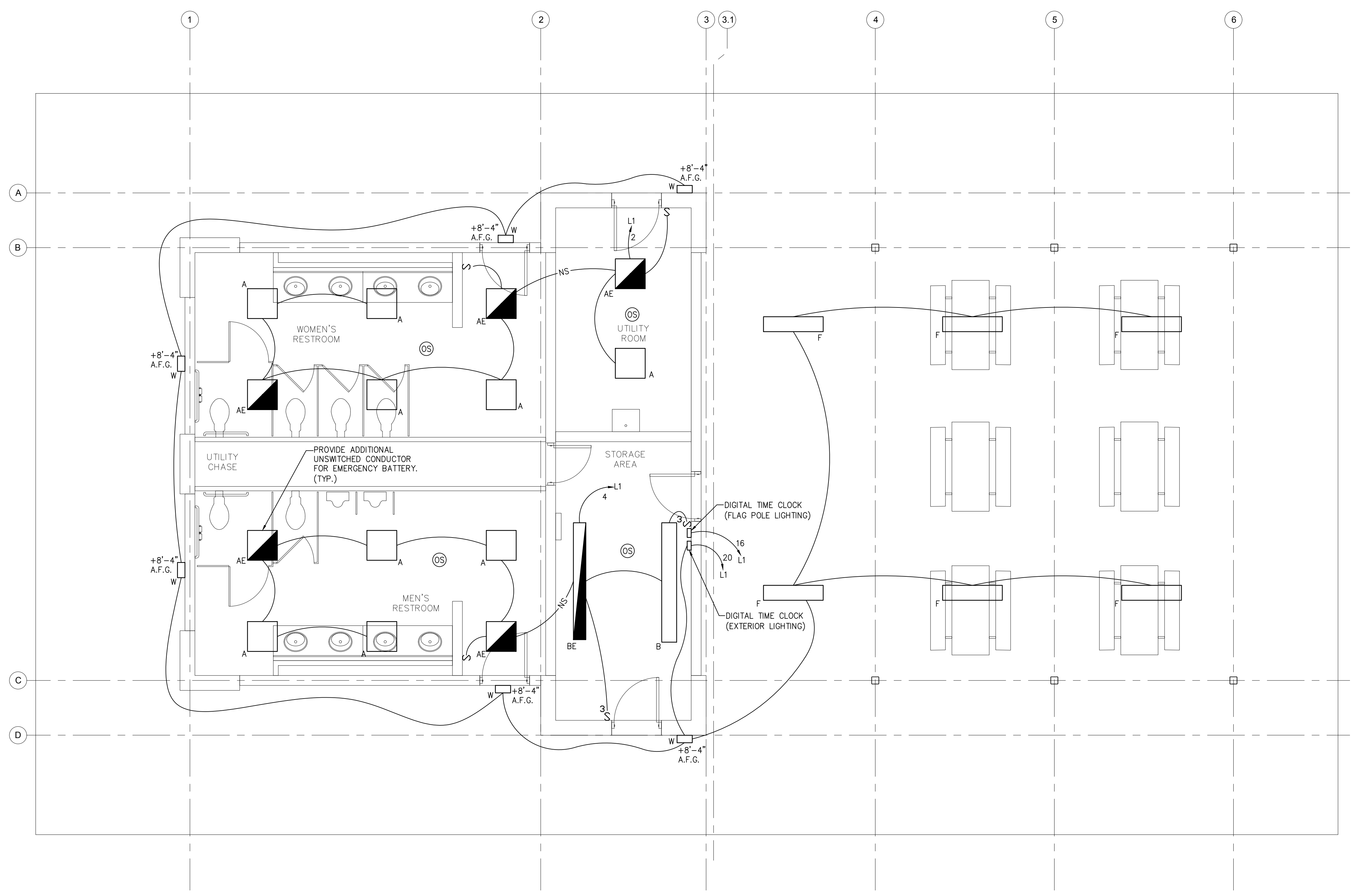
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NO.	REVISION	DATE	BY	CHK

ELECTRICAL LIGHTING FLOOR PLAN
 WOOLWICH TOWNSHIP
 LOCKE AVE PARK
 CONCESSION STAND
 WOOLWICH TOWNSHIP
 GLOUCESTER COUNTY
 NEW JERSEY

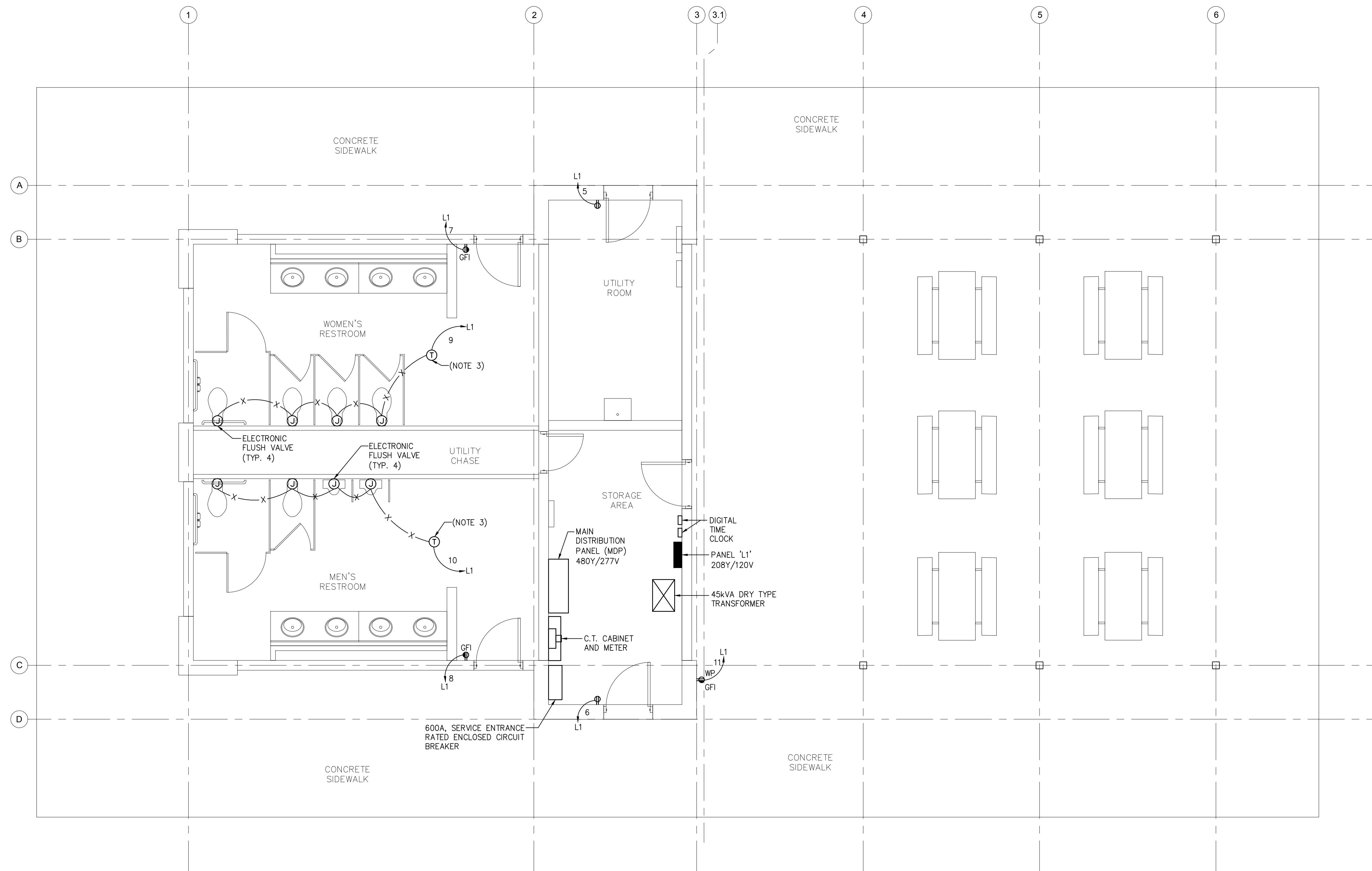


1 ELECTRICAL LIGHTING FLOOR PLAN
 SCALE: 1/4" = 1' - 0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	DATE:	SHEET No.:	
10-13-2021		E-2.1	
JOB No.:			
0824T062			



1 ELECTRICAL POWER FLOOR PLAN
SCALE: 1/4" = 1' - 0"

NOTES:

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3. ELECTRICAL CONTRACTOR SHALL FIND SUITABLE LOCATION ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE CONTROL TRANSFORMER.
4. CONTRACTOR SHALL SUSPEND 45kVA TRANSFORMER FROM STRUCTURE. PROVIDE INTERMEDIATE WOOD BLOCKING AT BOLT HOLES FOR CEILING MOUNT.

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"ENGINEERING EXCELLENCE"

DATE:
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

DATE: *Kavan R. Smith*
10-28-2024
KAVAN R. SMITH
NJ PROFESSIONAL ENGINEER LIC. No. 56794

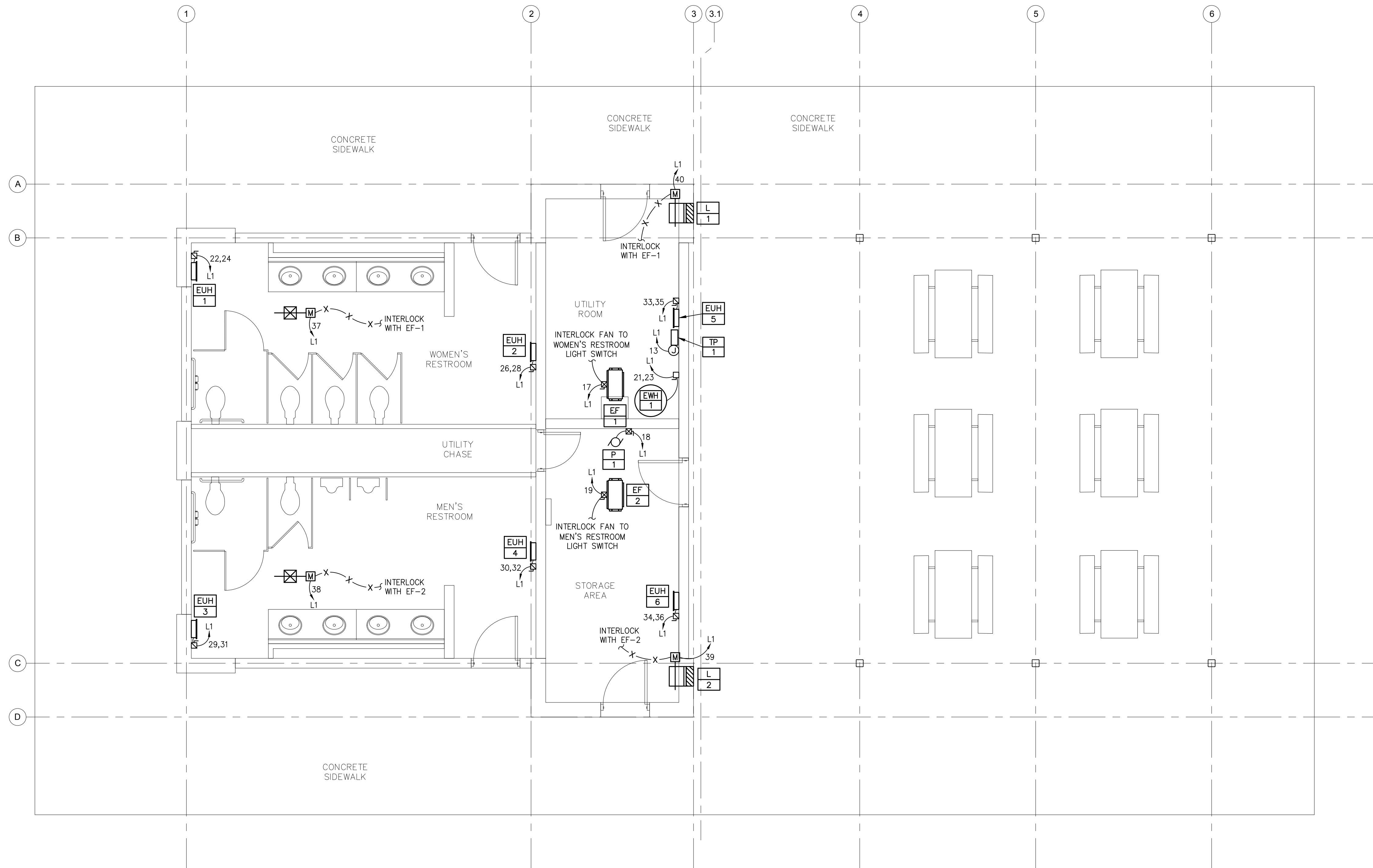
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ELECTRICAL POWER FLOOR PLAN
WOOLWICH TOWNSHIP
LOCKE AVE PARK
CONCESSION STAND
WOOLWICH TOWNSHIP
GLOUCESTER COUNTY
NEW JERSEY

DATE	SCALE
10-13-2021	AS NOTED
0824T062	E-3.1



1 ELECTRICAL HVAC POWER FLOOR PLAN
SCALE: 1/4" = 1' - 0"

NOTES:

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3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH HVAC CONTROLS CONTRACTOR FOR LOW-VOLTAGE WIRING.



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ELECTRICAL HVAC POWER FLOOR PLAN
WOOLWICH TOWNSHIP
LOCKE AVE PARK
CONCESSION STAND
WOOLWICH TOWNSHIP
GLOUCESTER COUNTY
NEW JERSEY

DRAWN BY: J.Z.	DESIGN BY: J.Z.	CHECKED BY:	SCALE: AS NOTED
DATE: 10-13-2021	SHEET No.:		E-3.2
JOB No.:	0824T062		



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DATE:
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DATE: 10-26-2024
KAVAN R. SMITH
 NJ PROFESSIONAL ENGINEER LIC. NO. 56794

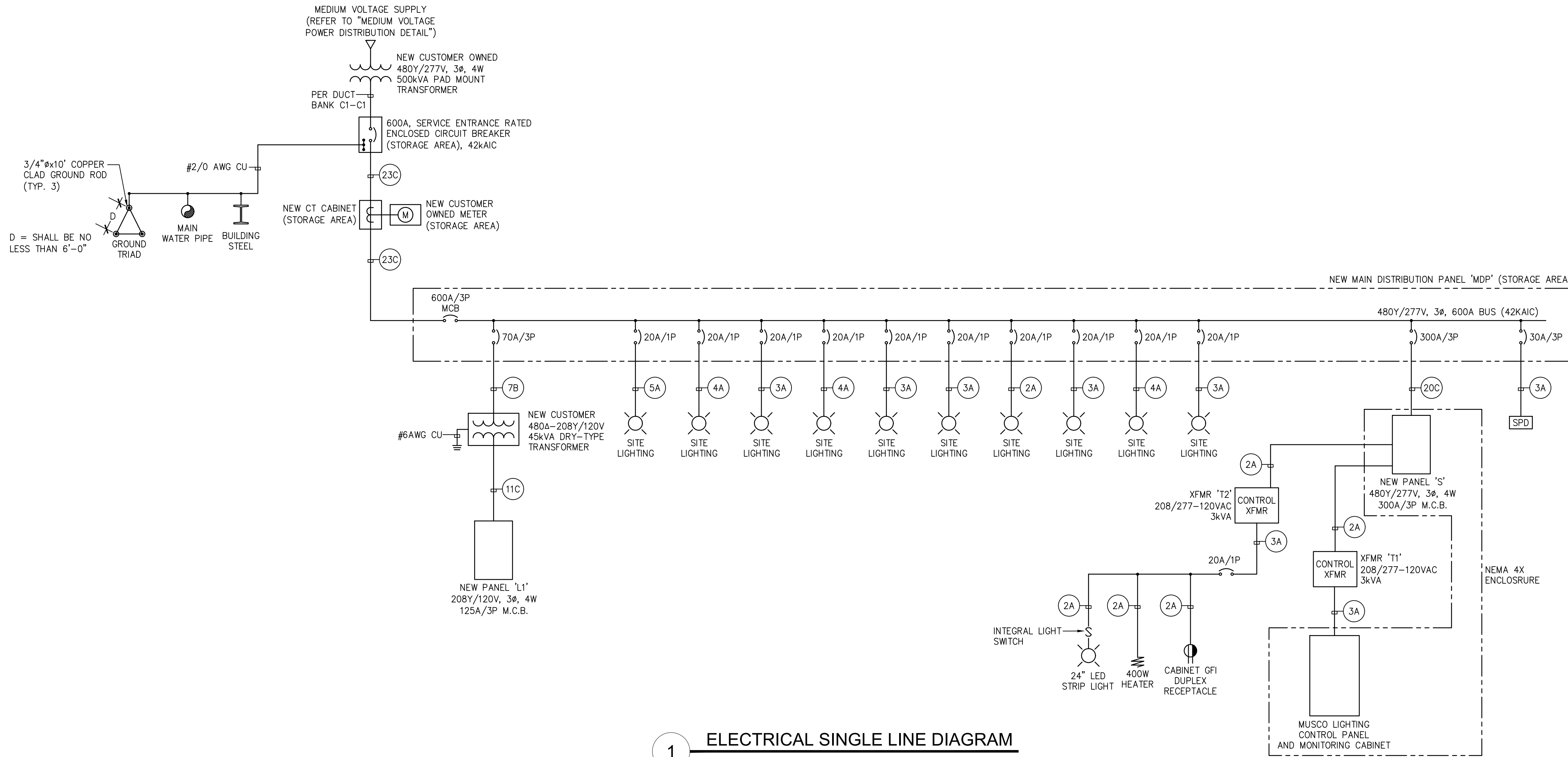
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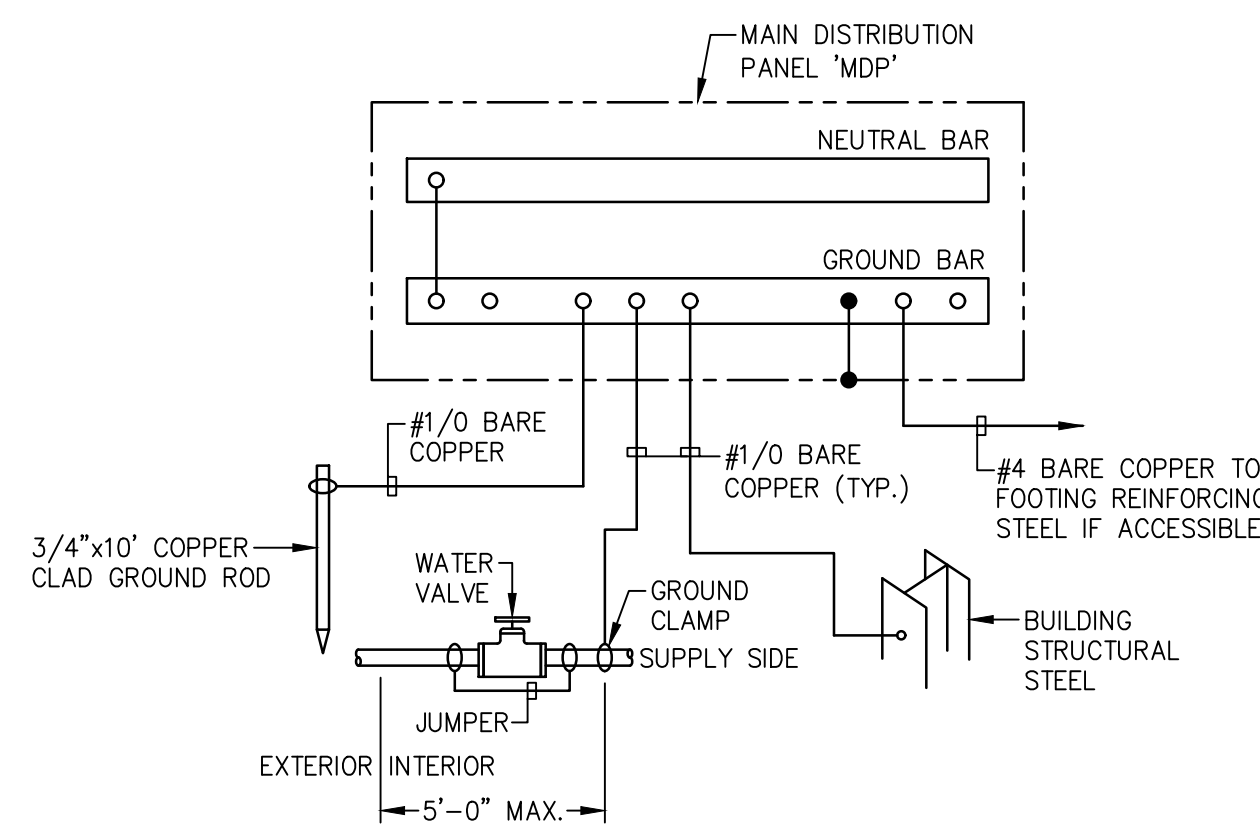
No.	REVISION	DATE	BY	CHK

ELECTRICAL SINGLE LINE DIAGRAM
 WOOLWICH TOWNSHIP
 LOCKE AVE PARK CONCESSION STAND
 WOOLWICH TOWNSHIP
 GLOUCESTER COUNTY
 NEW JERSEY

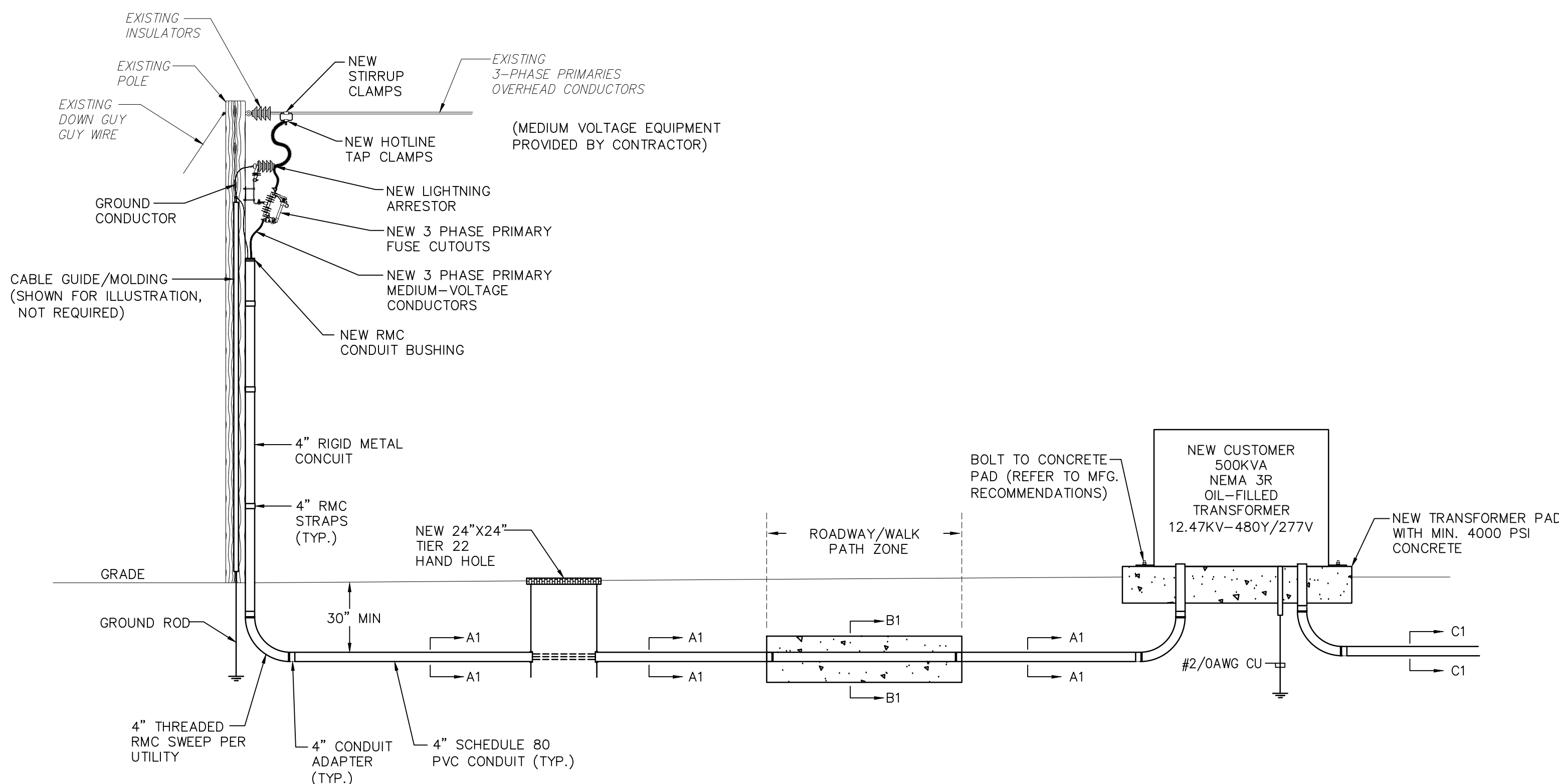
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JOB No.:		E-4.1	
0824T062			



1 ELECTRICAL SINGLE LINE DIAGRAM
 N.T.S.



3 SERVICE EQUIPMENT GROUNDING DIAGRAM
 N.T.S.



2 MEDIUM VOLTAGE POWER DISTRIBUTION DETAIL
 N.T.S.