

DEFINITIONS

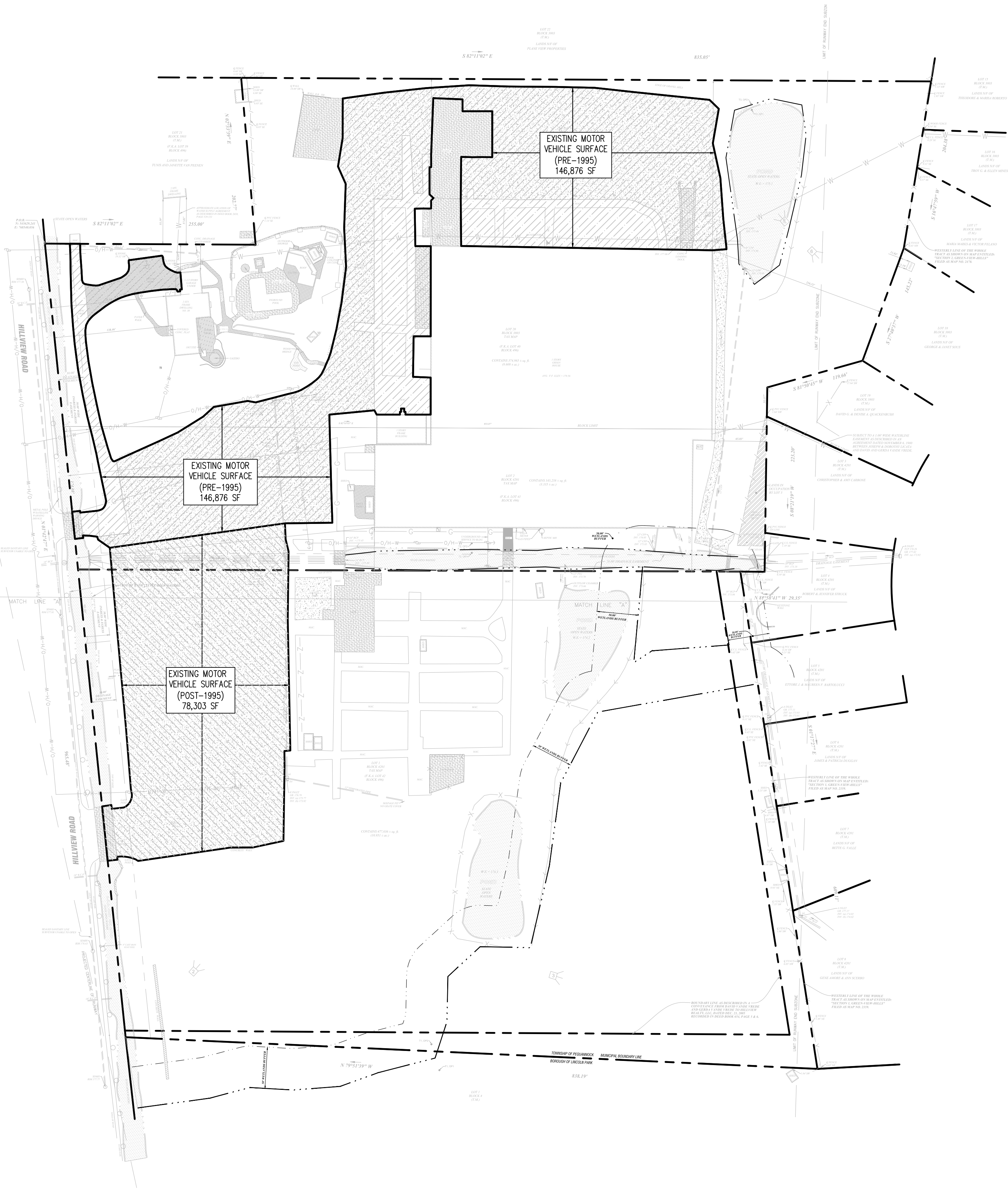
MOTOR VEHICLE SURFACE - ANY PERVIOUS OR IMPERVIOUS SURFACE THAT IS INTENDED TO BE USED BY MOTOR VEHICLES AND/OR AIRCRAFT AND IS DIRECTLY EXPOSED TO PRECIPITATION, INCLUDING BUT NOT LIMITED TO DRIVEWAYS, PARKING AREAS, PARKING GARAGES, ROADS, RACETRACKS, AND RUNWAYS.

MOTOR VEHICLE - LAND VEHICLES PROPELLED OTHER THAN BY MUSCULAR POWER, SUCH AS AUTOMOBILES, MOTORCYCLES, AUTOCYCLES, AND LOW-SPEED VEHICLES. FOR THE PURPOSES OF THIS DEFINITION, "MOTOR VEHICLE" DOES NOT INCLUDE FARM EQUIPMENT, SNOWMOBILES, ALL-TERRAIN VEHICLES, MOTORIZED WHEELCHAIRS, GO-CARTS, GAS BUGGIES, GOLF CARTS, SKI SLOPE GROOMING MACHINES, OR VEHICLES THAT RUN ONLY ON RAILS OR TRACKS.

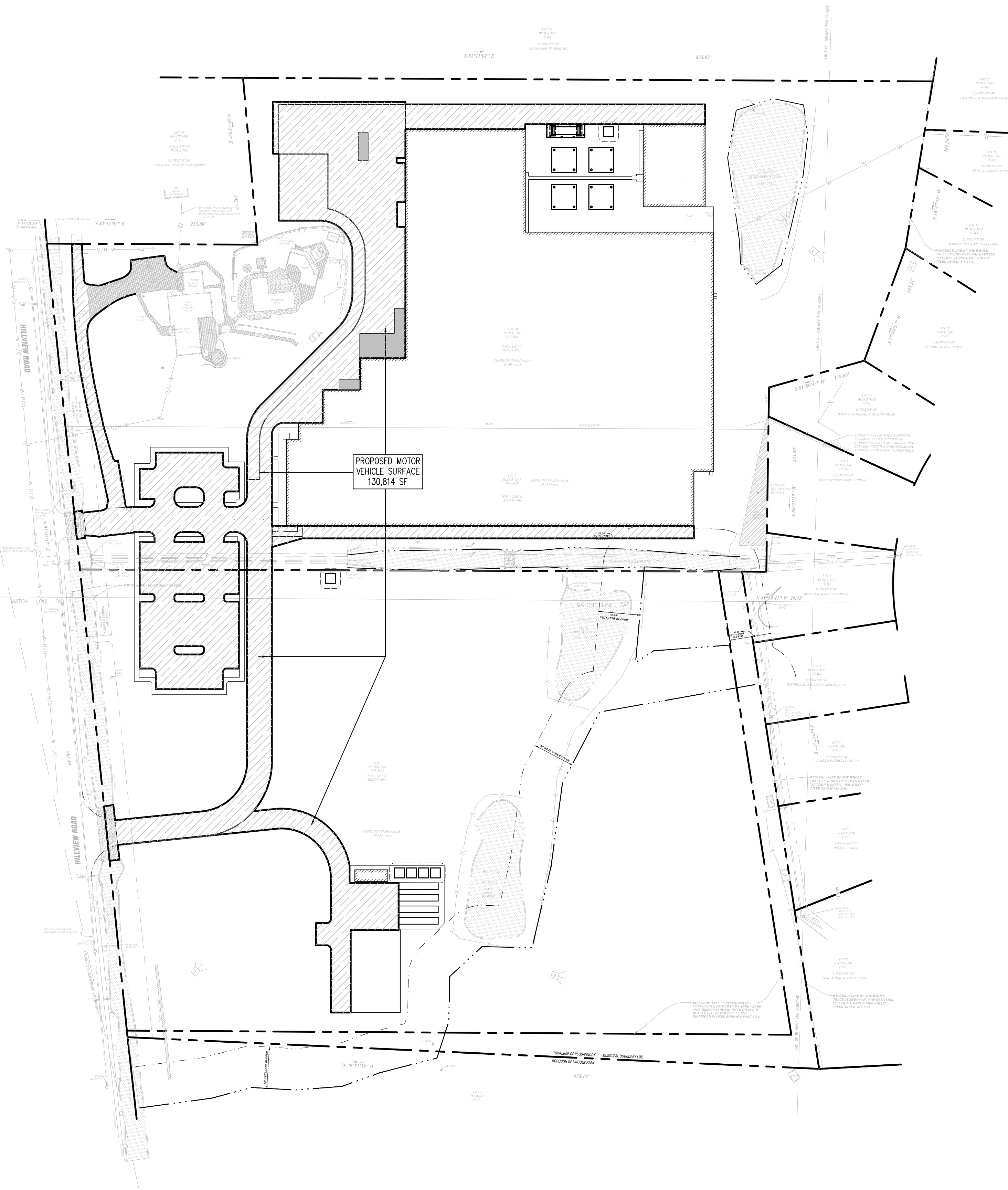
REGULATED MOTOR VEHICLE SURFACE -

ANY OF THE FOLLOWING, ALONE OR IN COMBINATION:

- A. THE TOTAL AREA OF MOTOR VEHICLE SURFACE THAT IS CURRENTLY RECEIVING WATER;
B. A NET INCREASE IN MOTOR VEHICLE SURFACE; AND/OR
C. WATER QUALITY TREATMENT EITHER BY VEGETATION OR SOIL, BY AN EXISTING STORMWATER MANAGEMENT MEASURE, OR BY TREATMENT AT A WASTEWATER TREATMENT PLANT, WHERE THE WATER QUALITY TREATMENT WILL BE MODIFIED OR REMOVED.



EXISTING REGULATED MOTOR VEHICLE SURFACE

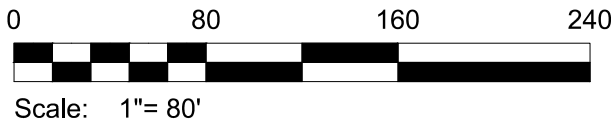


PROPOSED REGULATED MOTOR VEHICLE SURFACE



LEGEND

- ASPHALT PAVEMENT
GRAVEL
BUILDING LINE
CONCRETE PAD OR DOCK
GRASS PAVERS
POROUS PAVEMENT OVER STONE BED
CONVENTIONAL PAVEMENT OVER STONE BED



REV	DATE	DESCRIPTION

DARMOFALSKI
ENGINEERING
ASSOCIATES, INC.
86 Newark Pompton Turnpike
Riverside, NJ 07457
Office: 973-655-6300
Fax: 973-655-1177

PROJECT:
**CANNABIS CULTIVATION
AND PROCESSING /
MANUFACTURING
FACILITY**
FOR/AT
Hillview Med
30 HILLVIEW ROAD
PEQUANNOCK, NJ 07440

BLOCK: 3803, LOT: 20
BLOCK: 4201, LOTS: 1&2

SCALE	DATE
1" = 30'	9/8/2022
DRAWN BY	CHECKED BY
AP	TAB

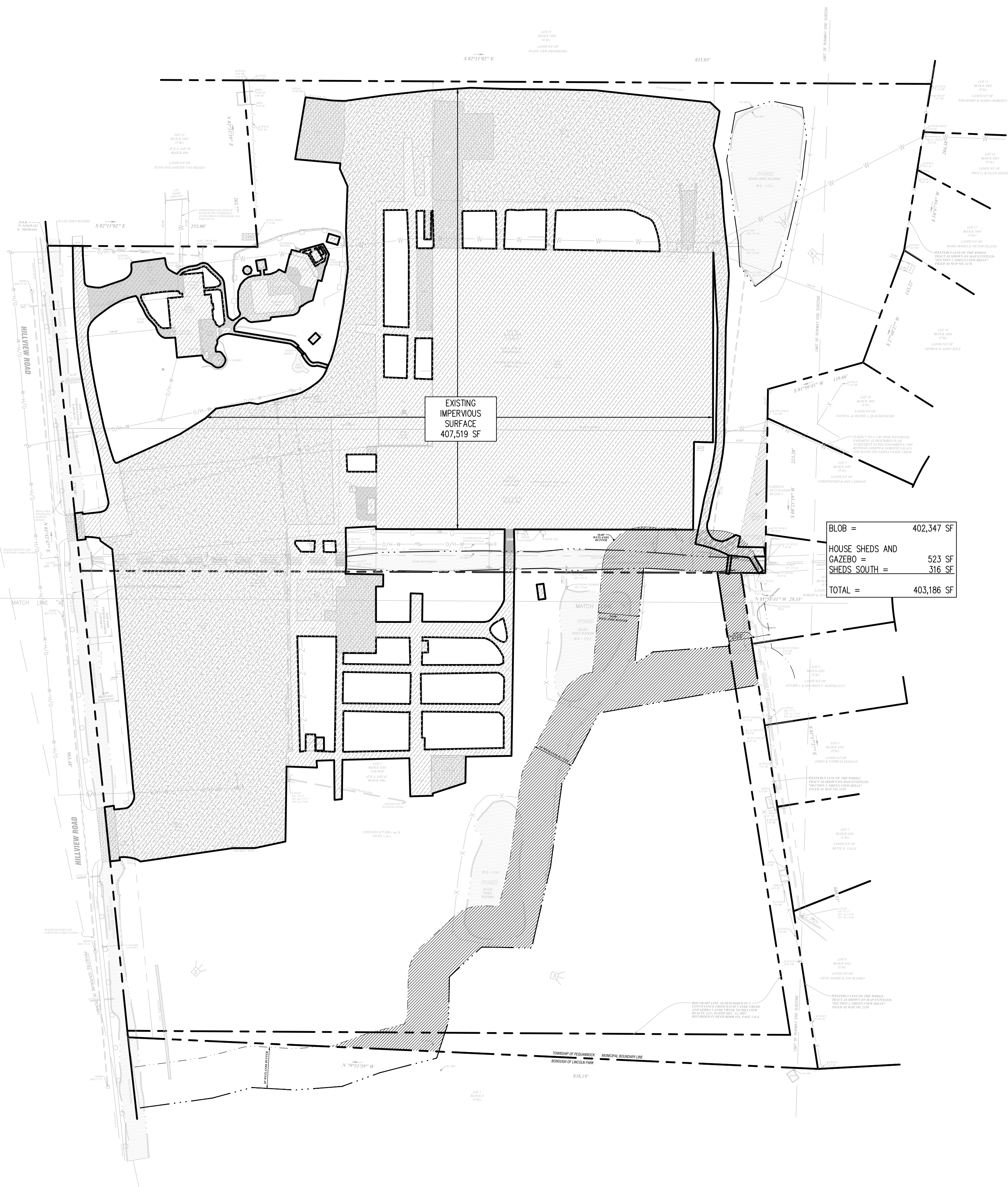
THOMAS A. BOORADY PE

Thomas A. Boorady
NJ LICENSE #43110

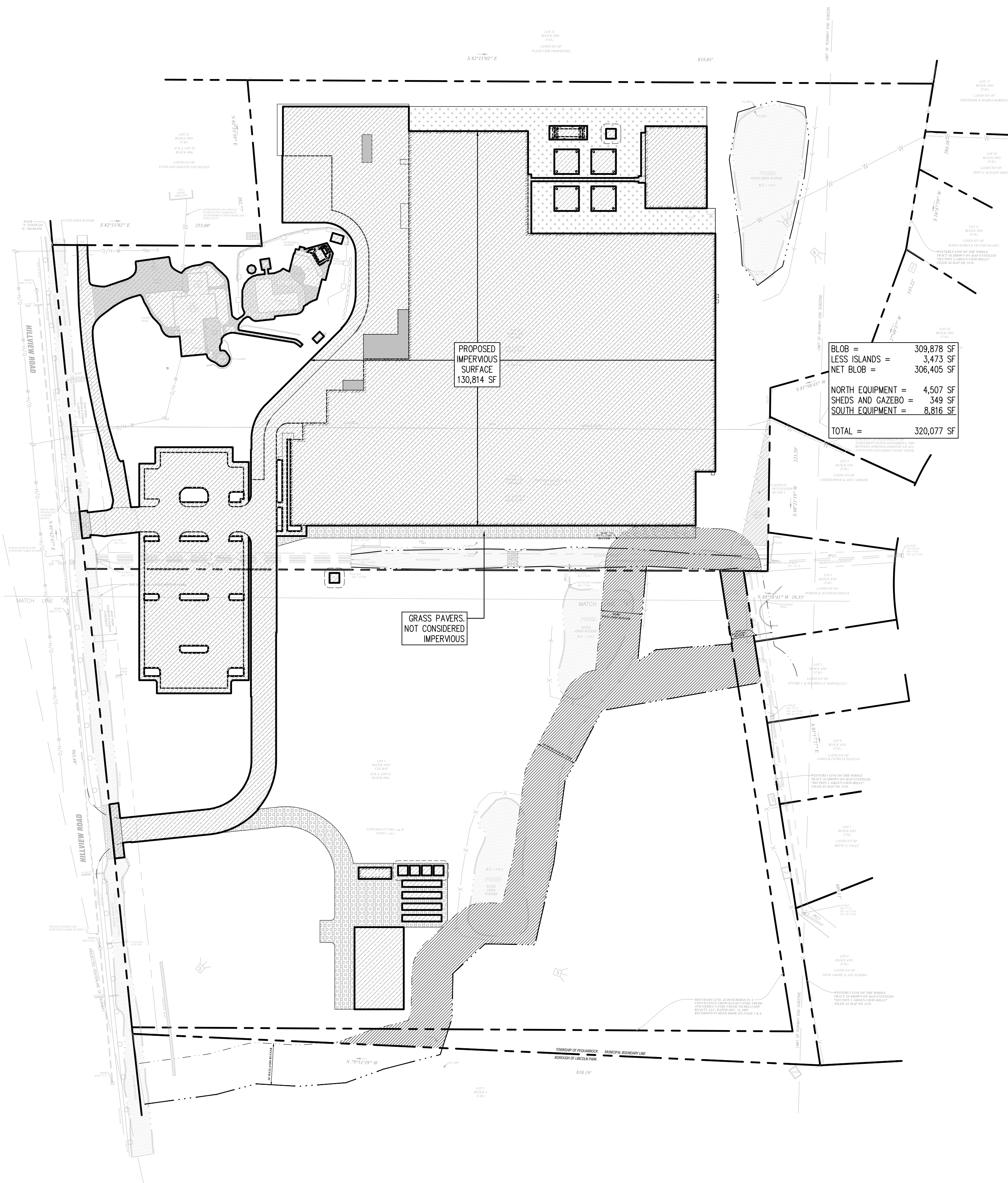
SHEET NAME:
**REGULATED MOTOR
VEHICLE SURFACES**

SHEET NUMBER:
MVS-1

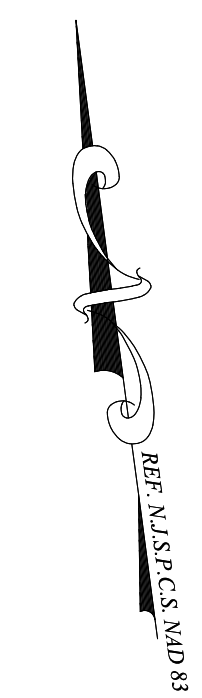
FIG. NO.:
18-01



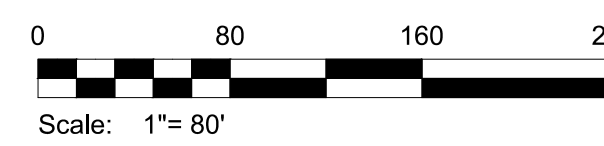
EXISTING IMPERVIOUS SURFACES



PROPOSED IMPERVIOUS SURFACES



LEGEND	
IMPERVIOUS AREA	1
BOUNDARY	
AREA	
POROUS GRAVEL AREA (PERVIOUS)	+
POROUS GRASS PAVERS (PERVIOUS)	+
TRANSITION AREA	



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PEQUANNOCK, NJ 07440
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SCALE 1" = 80'	DATE 9/8/2022
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THOMAS A. BOORADY PE

Thomas A. Boorady
NJ LICENSE #43110

EXISTING AND
PROPOSED
IMPERVIOUS

IMP-1

18-01

EXISTING DRAINAGE AREA - 1	
TOTAL AREA =	206,959 SF
TOTAL IMPERVIOUS AREA =	75,545 SF
GRAVEL =	59,148 SF
MACADAM =	14,017 SF
LAWN AREA, GOOD =	121,340 SF
CONC =	1,925 SF
SHEDS =	455 SF
WATER SURFACE (IRRIGATION POND #1B)	10,074 SF

EXISTING SUB-DRAINAGE AREA - 2	
TOTAL AREA =	21,184 SF
TOTAL IMPERVIOUS AREA =	401 SF

MACADAM =	297 SF
CENTRAL DITCH =	2,739 SF
BRIDGE =	104 SF
LAWN, GOOD =	18,044 SF

EXISTING SUB-DRAINAGE AREA - 3	
TOTAL AREA =	23,775 SF
TOTAL IMPERVIOUS AREA =	10,240 SF

CONC =	4,202 SF
MACADAM =	4,623 SF
WATER SURFACE (CENTRAL DITCH) =	2,219 SF
BRIDGE =	59 SF
LAWN, GOOD =	10,956 SF
GRAVEL =	1,661 SF
SHED =	55 SF

EXISTING SUB-DRAINAGE AREA - 4	
TOTAL AREA =	56,602 SF
TOTAL IMPERVIOUS AREA =	51,568 SF

MACADAM =	9,498 SF
CONC PAD =	112 SF
CONC BRIDGE =	174 SF
GRAVEL =	40,844 SF
SHEDS =	267 SF
BRICK PATIO =	763 SF
LAWN AREA, GOOD =	4,944 SF

EXISTING SUB-DRAINAGE AREA - 5	
TOTAL AREA =	29,986 SF
TOTAL IMPERVIOUS AREA =	23,372 SF

BUILDING =	23,144 SF
GRAVEL =	0 SF
MAC AND BRIDGE =	228 SF
LAWN AREA, GOOD =	4,093 SF
DITCH =	2,521 SF

EXISTING SUB-DRAINAGE AREA - 6	
TOTAL AREA =	56,161 SF
TOTAL IMPERVIOUS AREA =	33,840 SF

MACADAM =	7,836 SF
1-STORY FRAME BUILDING (INCL. STAIR) =	2,184 SF
CONC PAD =	585 SF
GRAVEL =	19,713 SF
DECK, HOUSE, WALLS, SHED, KOI POND, ETC. =	3,522 SF
LAWN AREA, GOOD =	22,321 SF

EXISTING SUB-DRAINAGE AREA - 7	
TOTAL AREA =	57,648 SF
TOTAL IMPERVIOUS AREA =	43,945 SF

BUILDING =	39,428 SF
GRAVEL =	4,293 SF
MAC AND BRIDGE =	224 SF
LAWN AREA, GOOD =	10,665 SF
DITCH =	3,038 SF

EXISTING SUB-DRAINAGE AREA - 8	
TOTAL AREA =	10,366 SF
TOTAL IMPERVIOUS AREA =	372 SF

GRAVEL =	195 SF
LAWN AREA, GOOD =	9,524 SF
BRIDGE =	177 SF
CENTRAL DITCH =	470 SF

EXISTING SUB-DRAINAGE AREA - 9	
TOTAL AREA =	16,311 SF
TOTAL IMPERVIOUS AREA =	0 SF

LAWN AREA, GOOD =	2,360 SF
WATER SURFACE (POND #2) =	13,951 SF

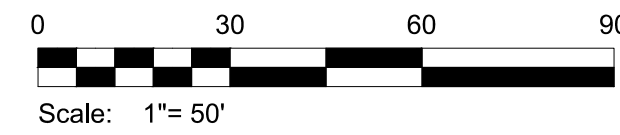
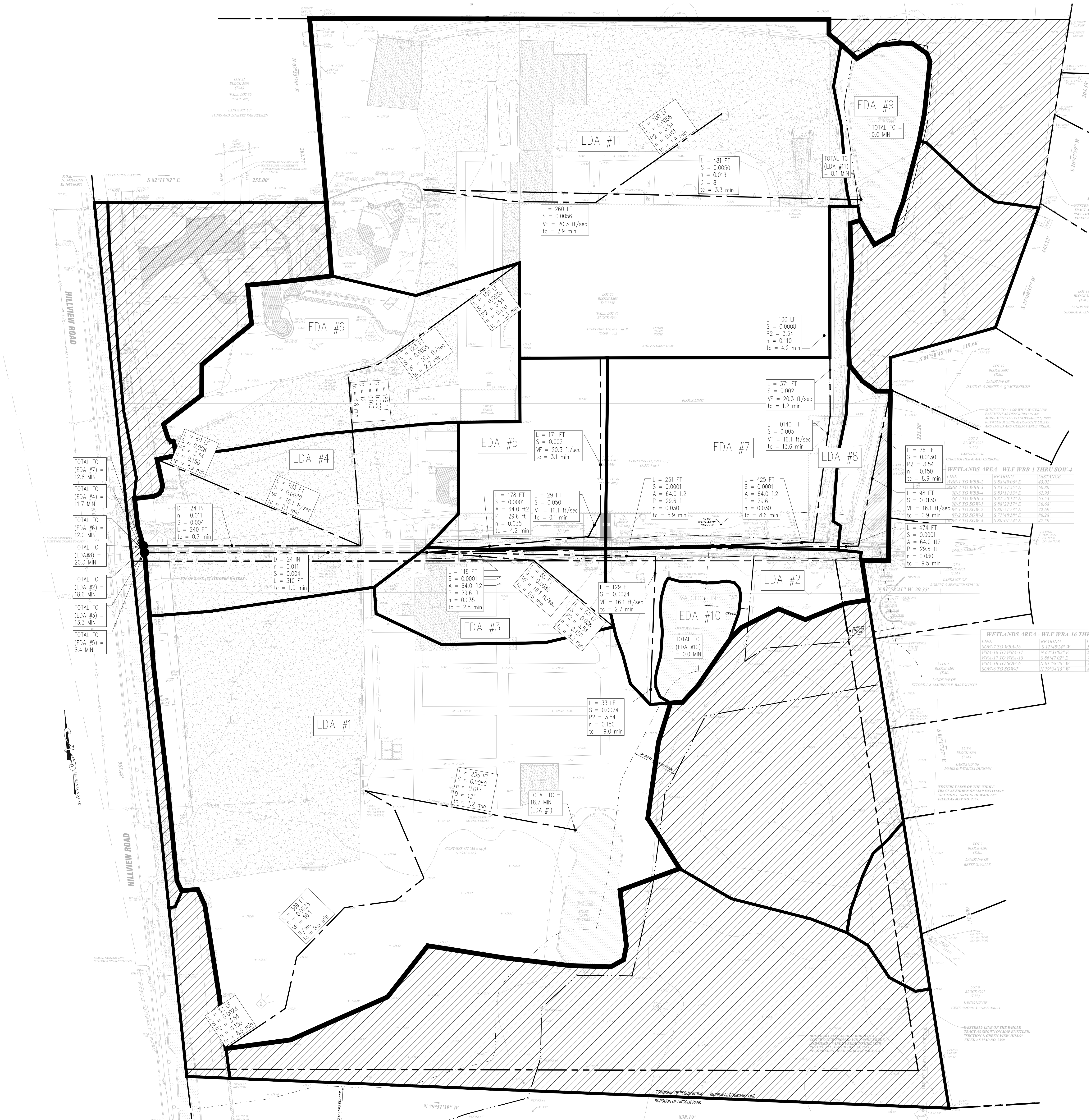
EXISTING SUB-DRAINAGE AREA - 10	
TOTAL AREA =	8,922 SF
TOTAL IMPERVIOUS AREA =	0 SF

WATER SURFACE (POND #1B) =	8,922 SF
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EXISTING SUB-DRAINAGE AREA - 11	
TOTAL AREA =	192,008 SF
TOTAL IMPERVIOUS AREA =	146,667 SF

MACADAM =	8,641 SF
CONC PAD =	14,953 SF
GRAVEL =	60,610 SF
DECK, HOUSE, WALLS, SHED, KOI POND, ETC. =	5,108 SF
LAWN AREA, GOOD =	45,331 SF
GREENHOUSE =	57,365 SF

TOTAL AREA = 15.609 ACRES



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30 HILLVIEW ROAD
PEQUANNOCK, NJ 07440
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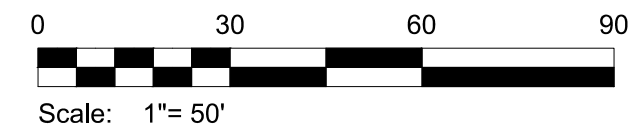
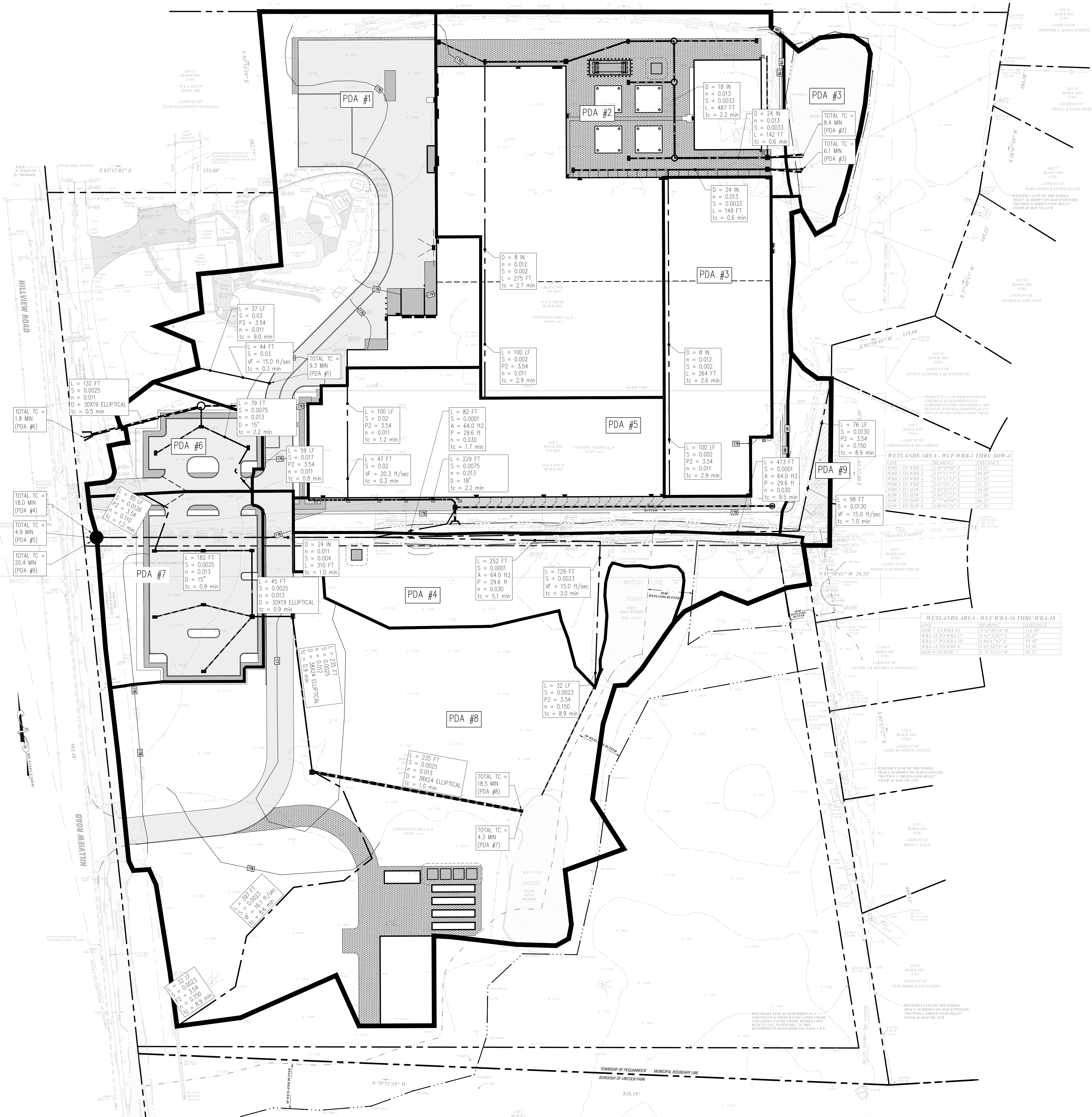
THOMAS A. BOORADY PE

Thomas A. Boorady
NJ LICENSE #43110

EXISTING DRAINAGE
AREAS

PROJECT NUMBER
EDA-1
JOB NO.
18-01

PROPOSED DRAINAGE AREA - 1	
TOTAL AREA =	102,868 SF
IMPERVIOUS AREA =	63,521 SF
GRASS =	38,450 SF
PAVEMENT =	44,502 SF
GRAVEL =	897 SF
HEADHOUSE =	11,162 SF
HOUSE IMP =	7,857 SF
PROPOSED DRAINAGE AREA - 2	
TOTAL AREA =	125,236 SF
IMPERVIOUS AREA =	84,550 SF
GRASS =	15,527 SF
GRAVEL =	25,159 SF
SWK =	1,149 SF
EQUIP =	4,507 SF
GREENHOUSE =	71,399 SF
POWERHOUSE =	7,495 SF
PROPOSED DRAINAGE AREA - 3	
TOTAL AREA =	56,989 SF
IMPERVIOUS AREA =	41,160 SF
GREENHOUSE =	41,160 SF
POND =	13,951 SF
GRASS =	1,878 SF
PROPOSED DRAINAGE AREA - 4	
TOTAL AREA =	47,496 SF
IMPERVIOUS AREA =	262 SF
CENTRAL DITCH =	4,953 SF
BRIDGE =	118 SF
TRANSFORMER =	144 SF
GRASS =	42,281 SF
PROPOSED DRAINAGE AREA - 5	
TOTAL AREA =	79,842 SF
IMPERVIOUS AREA =	49,709 SF
GRASS PAVR =	7,544 SF
SIDEWALK =	298 SF
BRIDGE =	113 SF
CENTRAL DITCH =	5,608 SF
GREENHOUSE =	22,568 SF
HEADHOUSE =	26,730 SF
GRASS =	16,981 SF
PROPOSED DRAINAGE AREA - 6	
TOTAL AREA =	16,800 SF
IMPERVIOUS AREA =	11,836 SF
PAVEMENT =	11,836 SF
GRASS =	4,964 SF
PROPOSED SUB-DRAINAGE AREA - 7	
TOTAL AREA =	37,893 SF
IMPERVIOUS AREA =	26,579 SF
PAVEMENT =	26,579 SF
GRASS =	11,314 SF
PROPOSED DRAINAGE AREA - 8	
TOTAL AREA =	212,044 SF
IMPERVIOUS AREA =	21,656 SF
PONDS =	18,996 SF
GRASS =	153,994 SF
PAVEMENT =	15,929 SF
GRAVEL =	14,385 SF
EQUIPMENT =	2,714 SF
SWITCHYARD (50% IMPERVIOUS, 50% GRASS) =	6,026 SF
EXISTING DRAINAGE AREA - 9	
TOTAL AREA =	9,311 SF
IMPERVIOUS AREA =	0 SF
CENTRAL DITCH =	573 SF
GRASS =	8,738 SF
TOTAL AREA = 15.839 ACRES	



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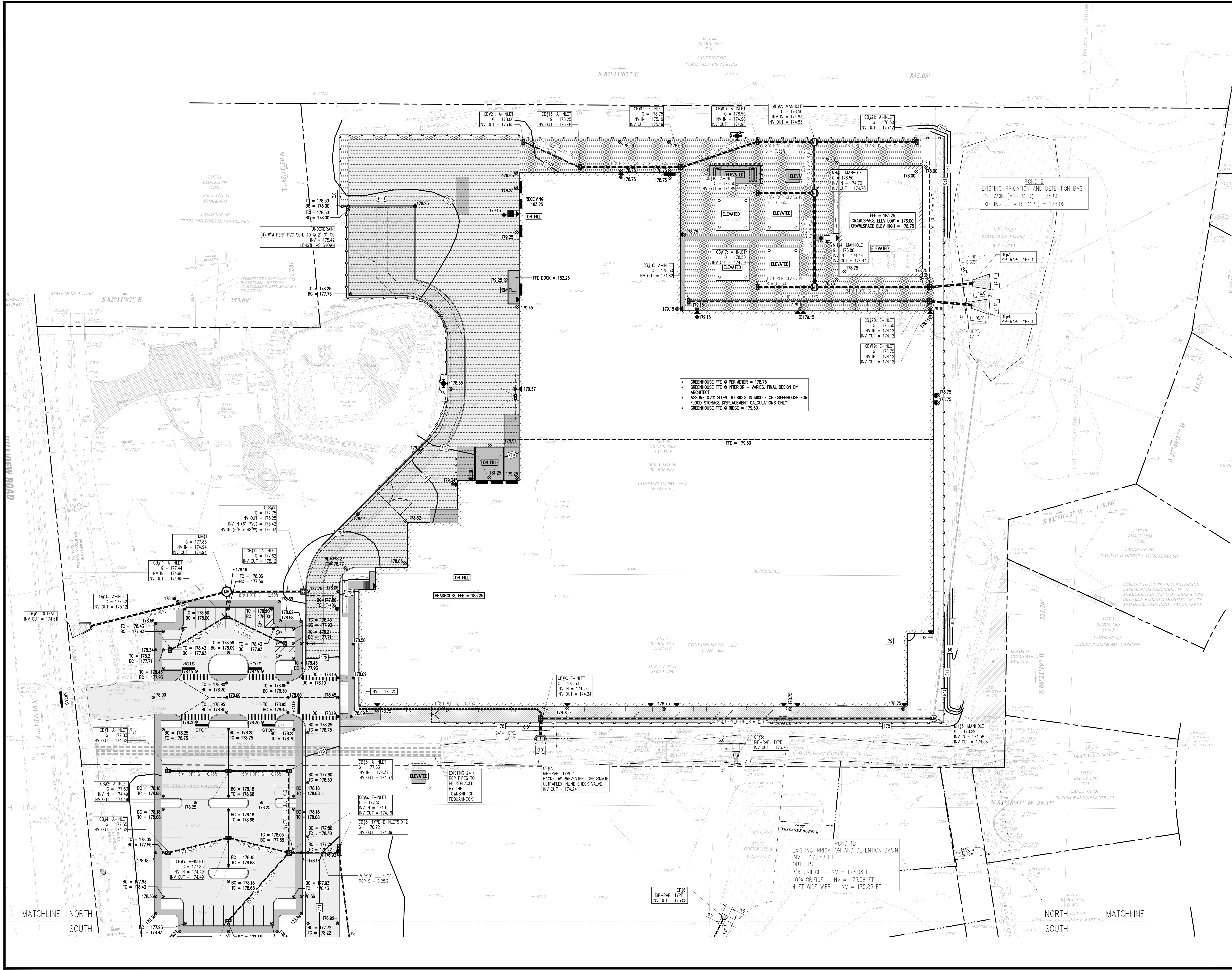
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Thomas A. Boorady
NJ LICENSE #43110

**PROPSD DRAINAGE
AREAS**

PDA-1

PRJ NO: 18-01



LEGEND

- ASPHALT PAVEMENT
- GRAVEL
- BUILDING LINE
- CONCRETE PAD OR DOCK
- GRASS PAVERS
- POROUS PAVEMENT OVER STONE BED
- CONVENTIONAL PAVEMENT OVER STONE BED

0 30 60 90

Scale: 1" = 30'

REV	DATE	DESCRIPTION
1	9/8/22	DRAINAGE UPDATES

DARMOFALSKI
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86 Newark Pompton Turnpike
Riverside, NJ 07067
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**CANNABIS CULTIVATION
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FORAT
Hillview Med
30 HILLVIEW ROAD
PEQUANNOCK, NJ 07440

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TOWN	BY	CHECKED	DATE
AP	TAB		

THOMAS A. BOORADY PE

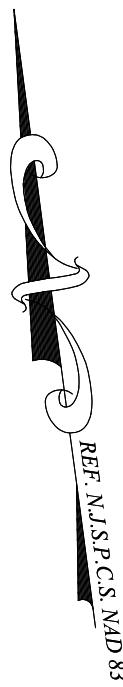
Thomas A. Boorady

NJ LICENSE #43110

**GRADING AND
DRAINAGE PLAN -
NORTH**

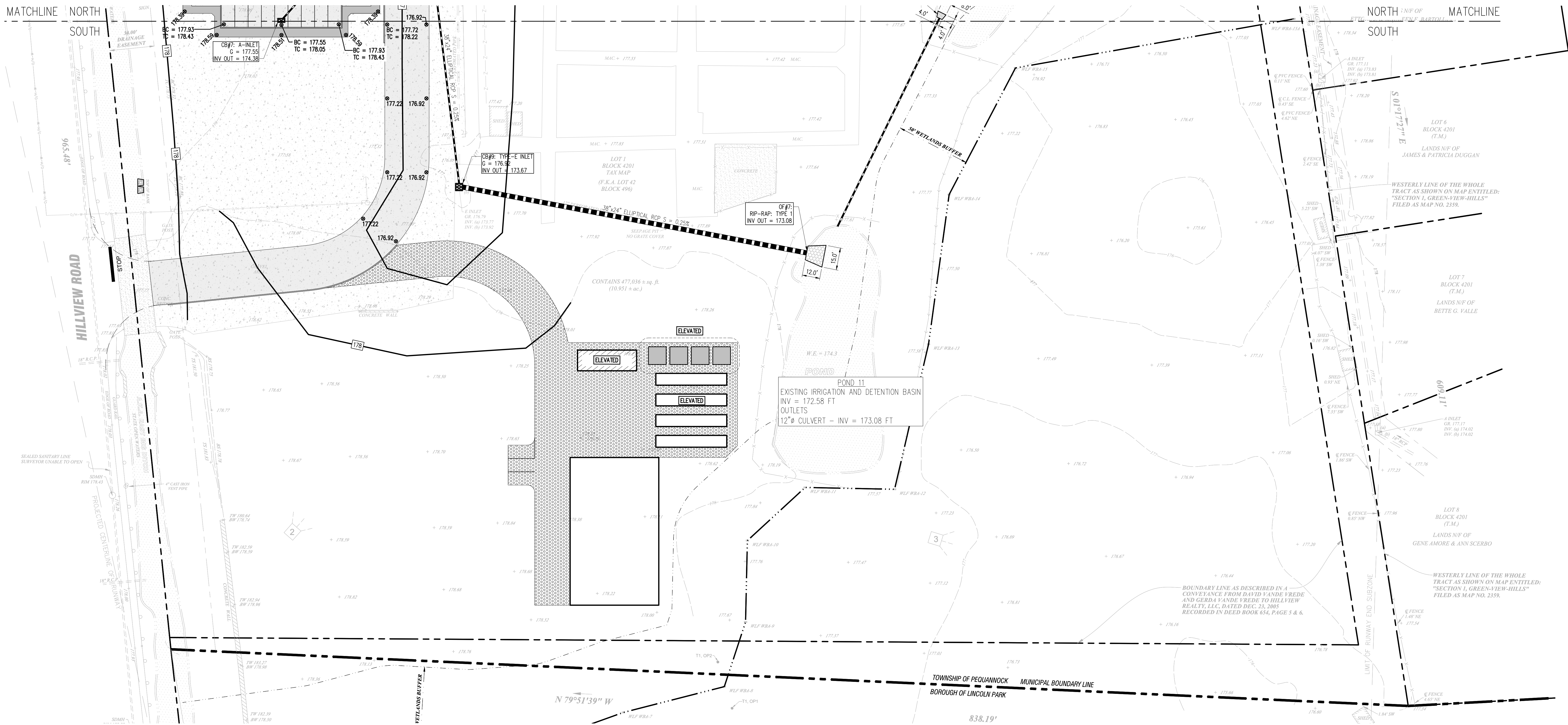
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18-01

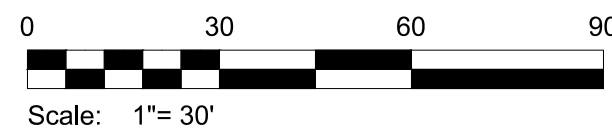


LEGEND

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- GRAVEL
- BUILDING LINE
- CONCRETE PAD OR DOCK
- GRASS PAVERS
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- CONVENTIONAL PAVEMENT OVER STONE BED



GRADING PLAN - SOUTH



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1	9/8/22	DRAINAGE UPDATES

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ENGINEERING
ASSOCIATES, INC.
Riverside, NJ 07457
Office: 973-655-8500
Fax: 973-655-1117

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PEQUANNOCK, NJ 07440

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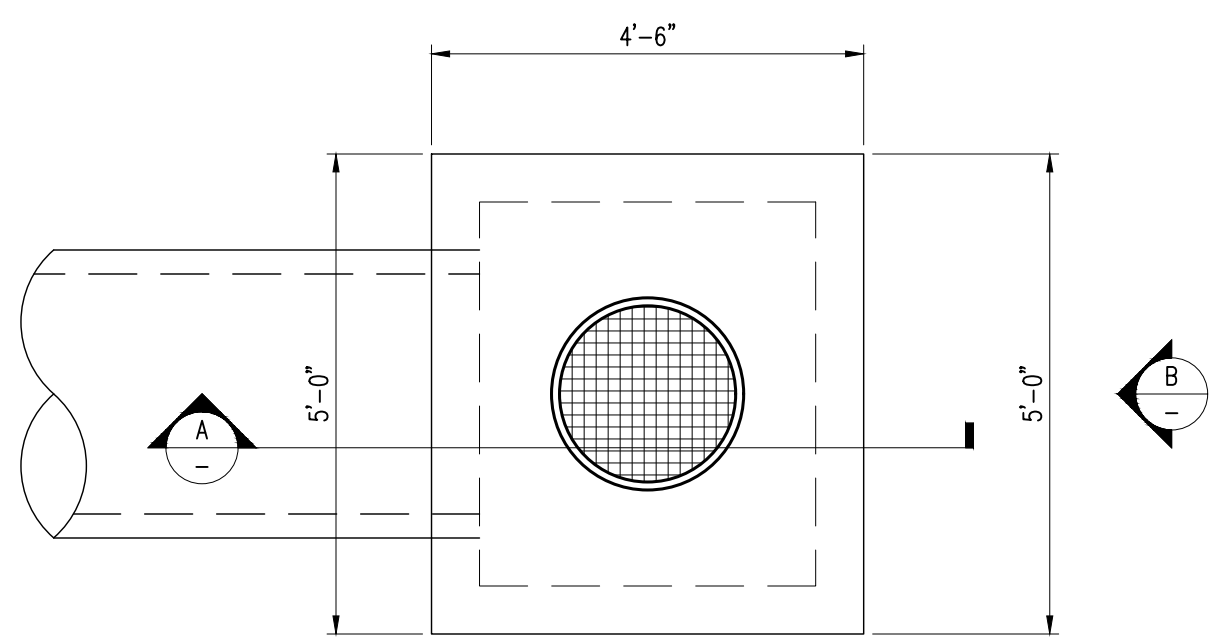
THOMAS A. BOORADY PE

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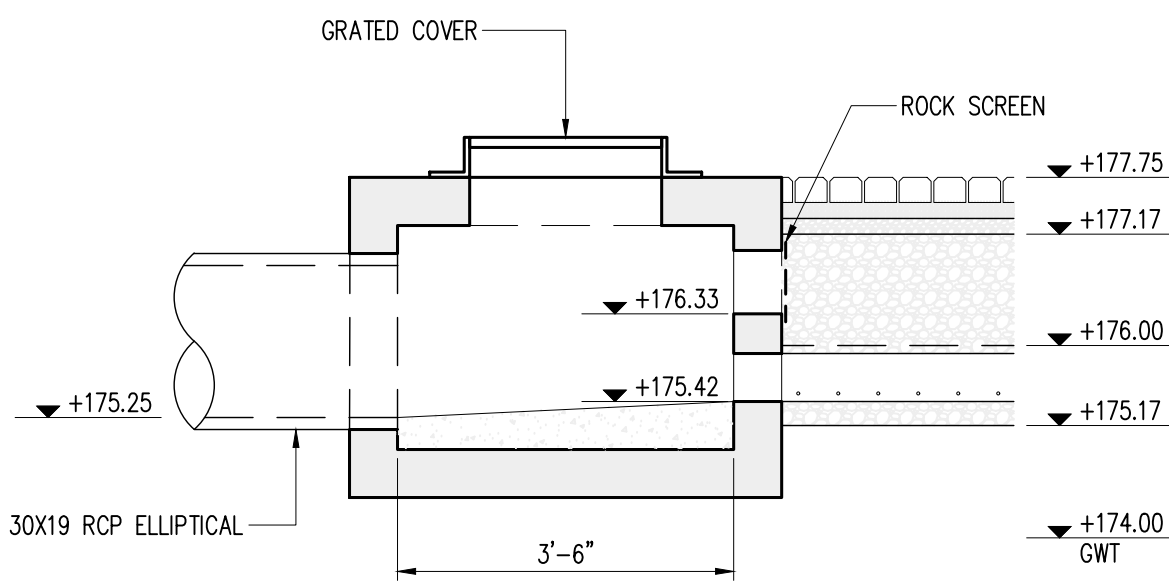
**GRADING AND
DRAINAGE PLAN
- SOUTH**

8

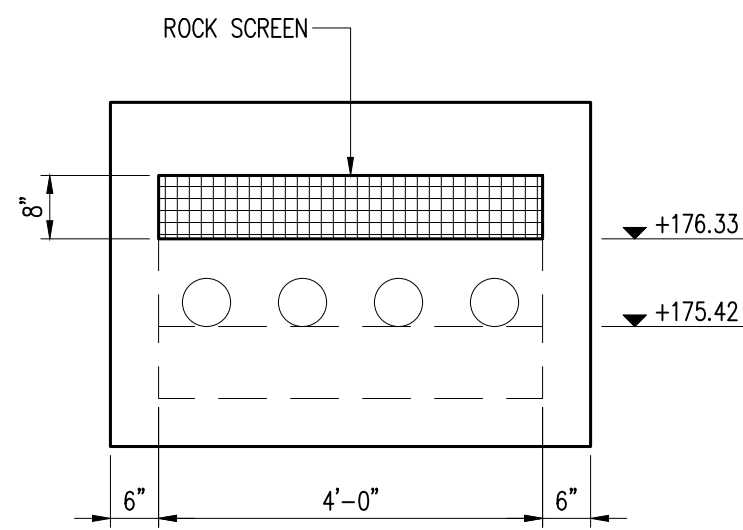
18-01



PLAN

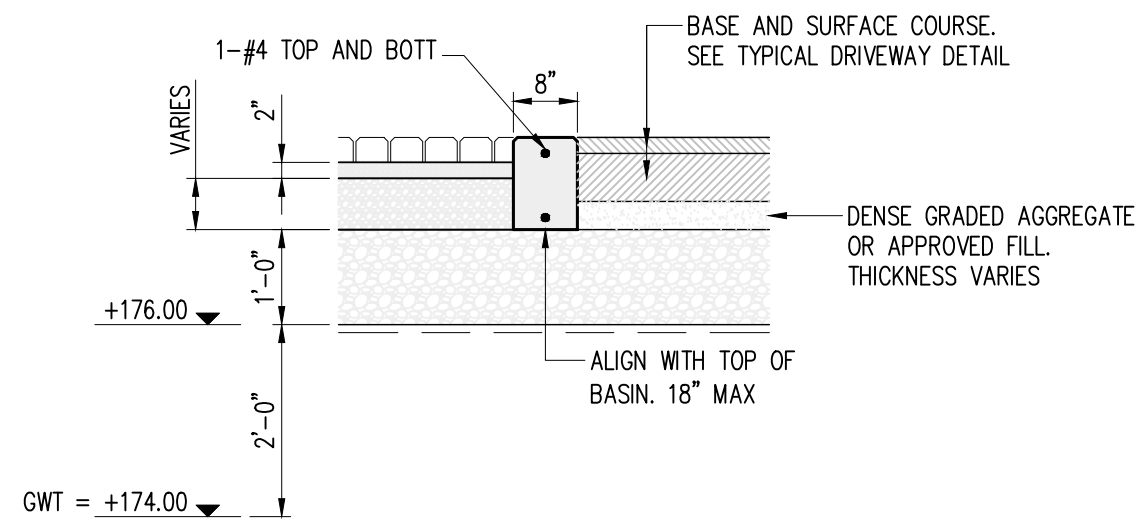


SECTION A

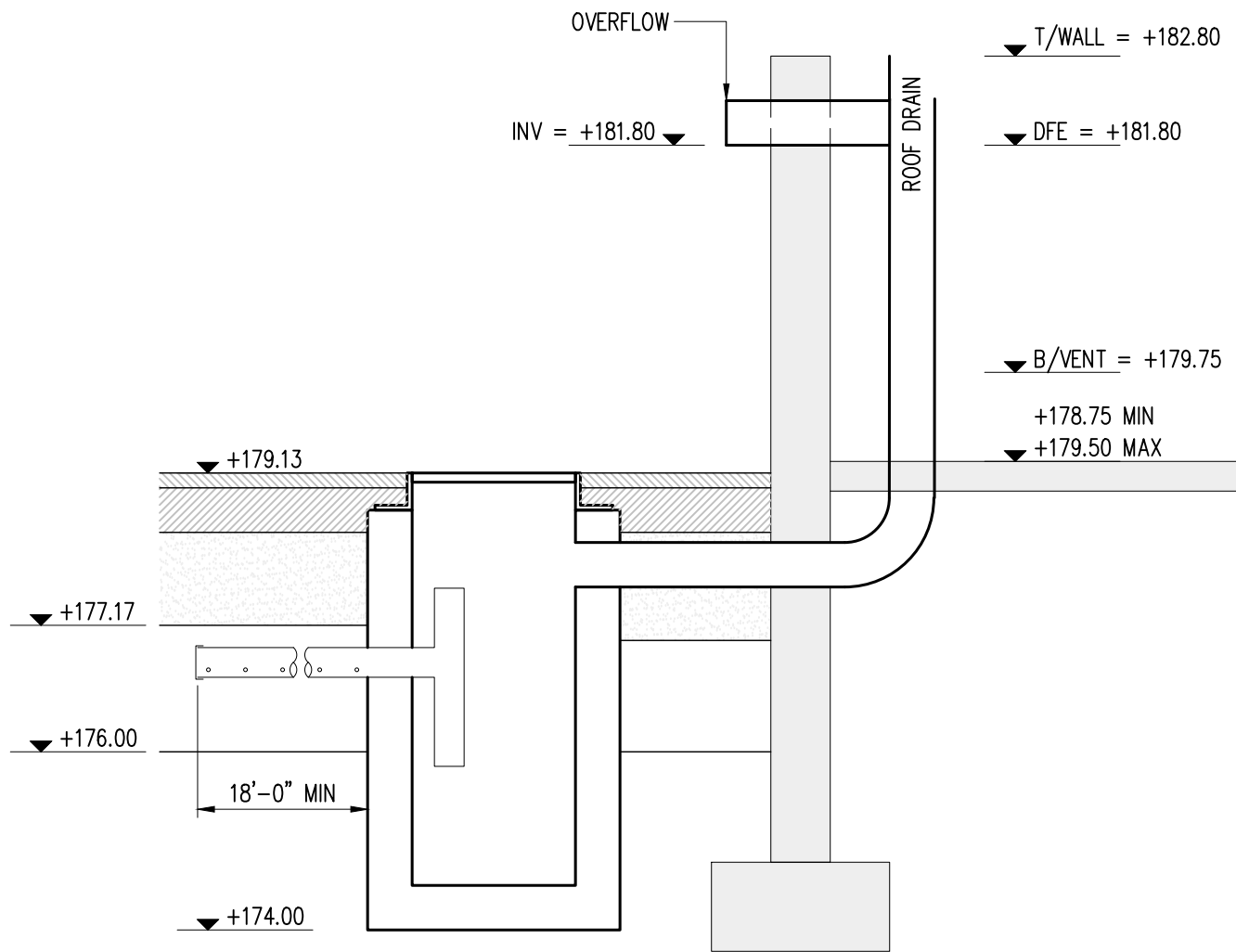


ELEVATION B

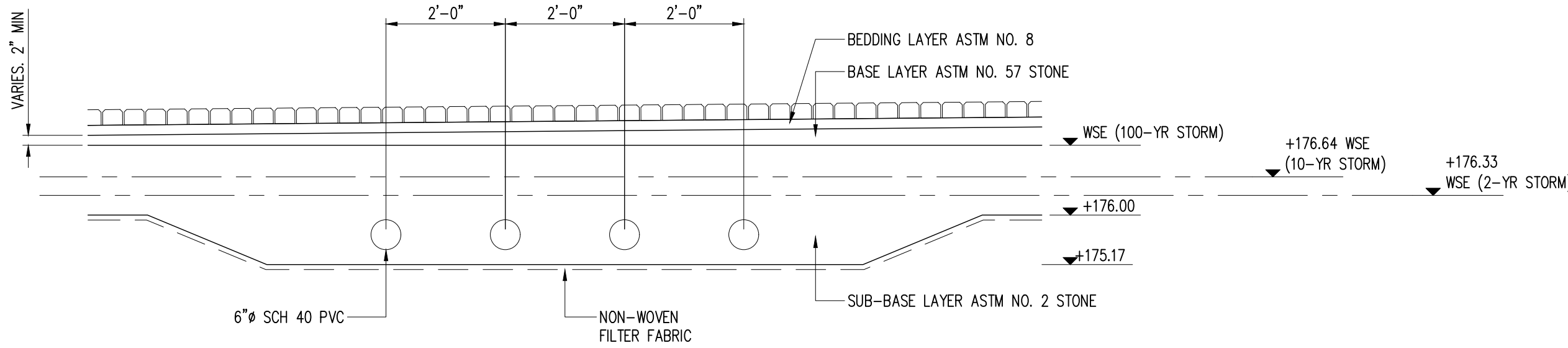
OUTLET CONTROL STRUCTURE #1 DETAIL



INTERNAL CURB DETAIL



BUILDING ROOF DRAIN DETAIL



SECTION @ UNDERDRAIN

REV	DATE	DESCRIPTION
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SHEET NAME:
**STORMWATER
DETAILS, SHEET 1**

SHEET NUMBER:
21

PSR NO.:
18-01