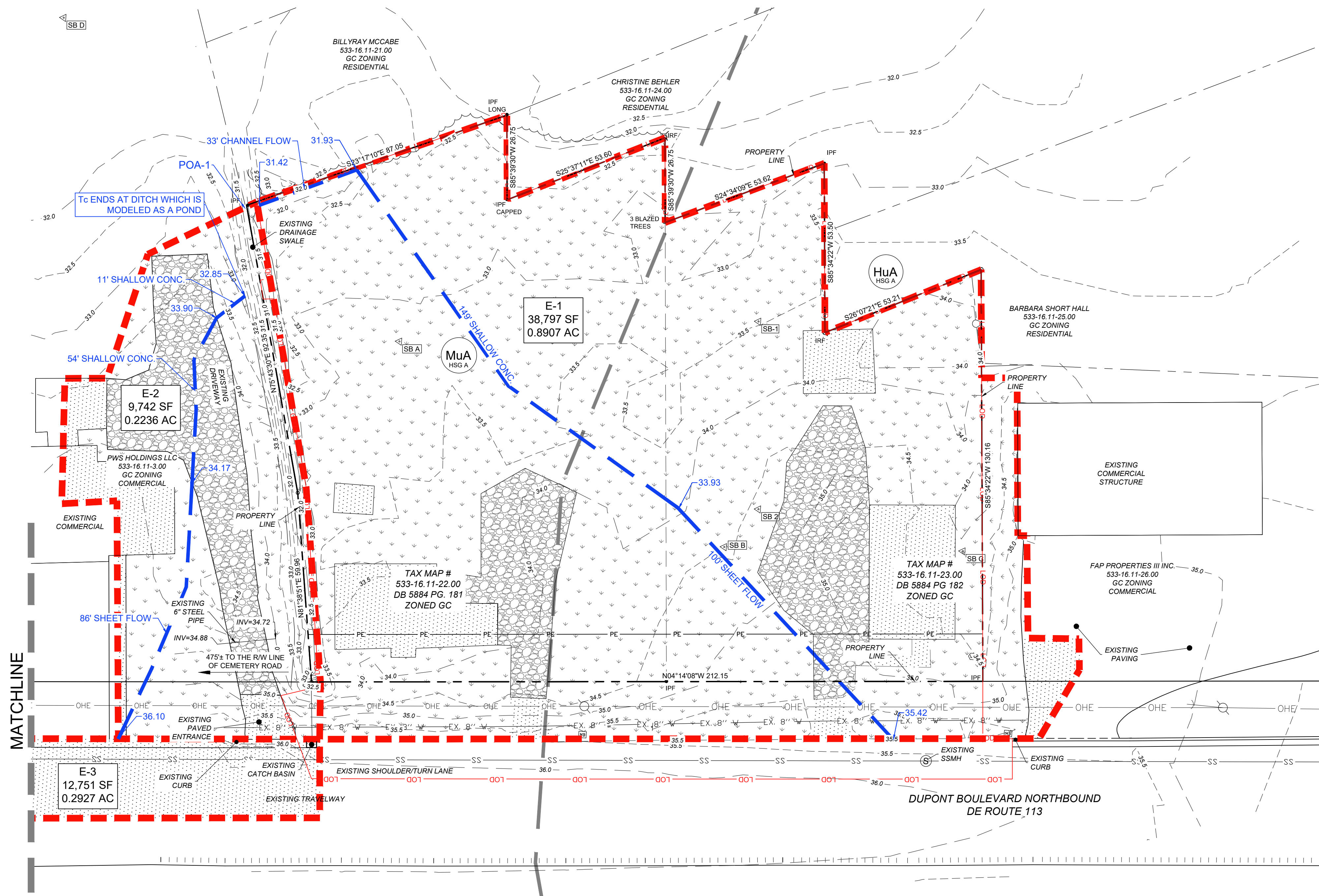




SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

EXISTING CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	EXISTING TREELINE
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE
	EXISTING DRAINAGE BOUNDARY
	EXISTING TIME OF CONCENTRATION PATH

EXISTING DRAINAGE AREA CN TABLES

DRAINAGE AREA RUNOFF COEFFICIENTS				
DRAINAGE AREA	POINT OF ANALYSIS	TOTAL AREA (SF)	TOTAL AREA (AC)	RUNOFF CURVE #
E-1	POA-1	38,797	0.891	50
E-2	POA-2	9,742	0.224	65
E-3	POA-3	12,751	0.293	89

DRAINAGE AREA LAND COVERS					
DA	IMP HSG A	OPEN HSG A	WOODS HSG A	GRAVEL HSG A	TOTAL
E-1	3,661	31,367	0	3,769	38,797
	0.0940	0.7201	0.0000	0.0865	0.8907
CN	98.0	39.0	30.0	98.0	50.3
E-2	1,408	5,497	0	2,837	9,742
	0.0323	0.1262	0.0000	0.0651	0.2236
CN	98.0	39.0	30.0	98.0	64.7
E-3	10,834	1,917	0	0	12,751
	0.2487	0.0440	0.0000	0.0000	0.2927
CN	98.0	39.0	30.0	98.0	89.1

TIME OF CONCENTRATION PATHS					
DA	TYPE	LEN(FT)	INV UP(FT)	INV DN(FT)	SLOPE
E-1	SHEET	100	35.42	33.93	1.49%
	SH CONC	149	33.93	31.93	1.34%
	CHANNEL	33	31.93	31.42	1.55%
E-2	SHEET	86	36.10	34.17	2.24%
	SH CONC	54	34.17	33.90	0.50%
	SH CONC	11	33.90	32.85	9.55%
E-3	SHEET	6 MINUTE MINIMUM			
	SH CONC				
	CHANNEL	6 MINUTE MINIMUM			
	CHANNEL				

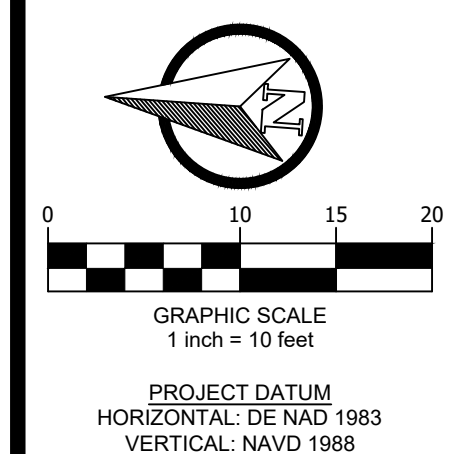
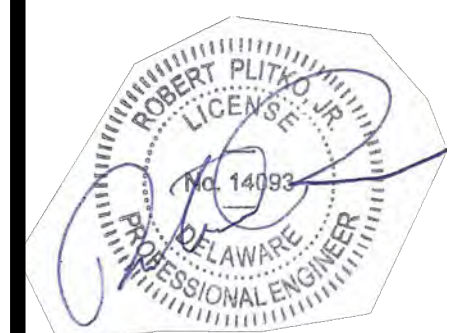
EXISTING LAND COVER LEGEND

	OPEN SPACE (GOOD) HSG A
	IMPERVIOUS HSG A
	GRAVEL HSG A

REVISIONS

PLITKO ENGINEERING
ENGINEER - SURVEY - HYDROGRAPHIC
53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

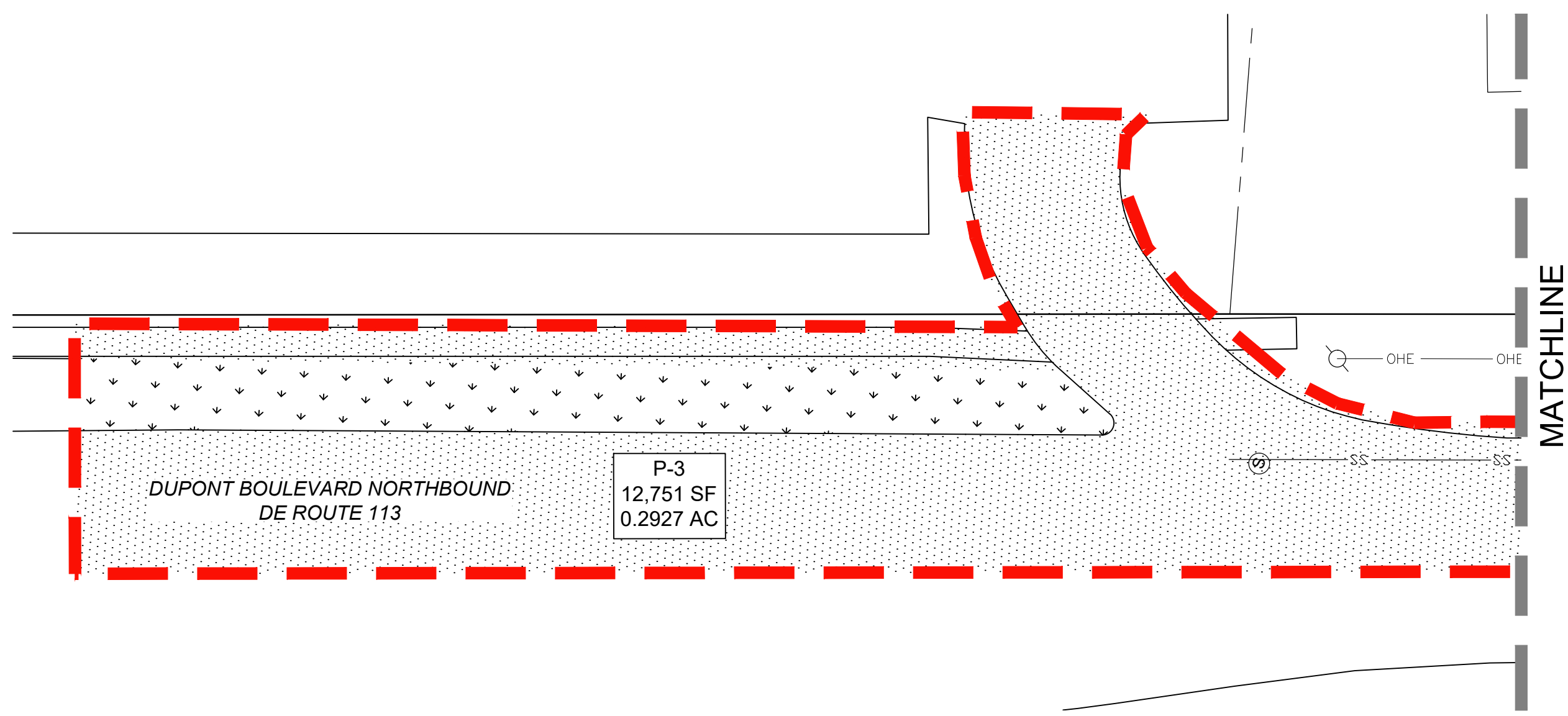
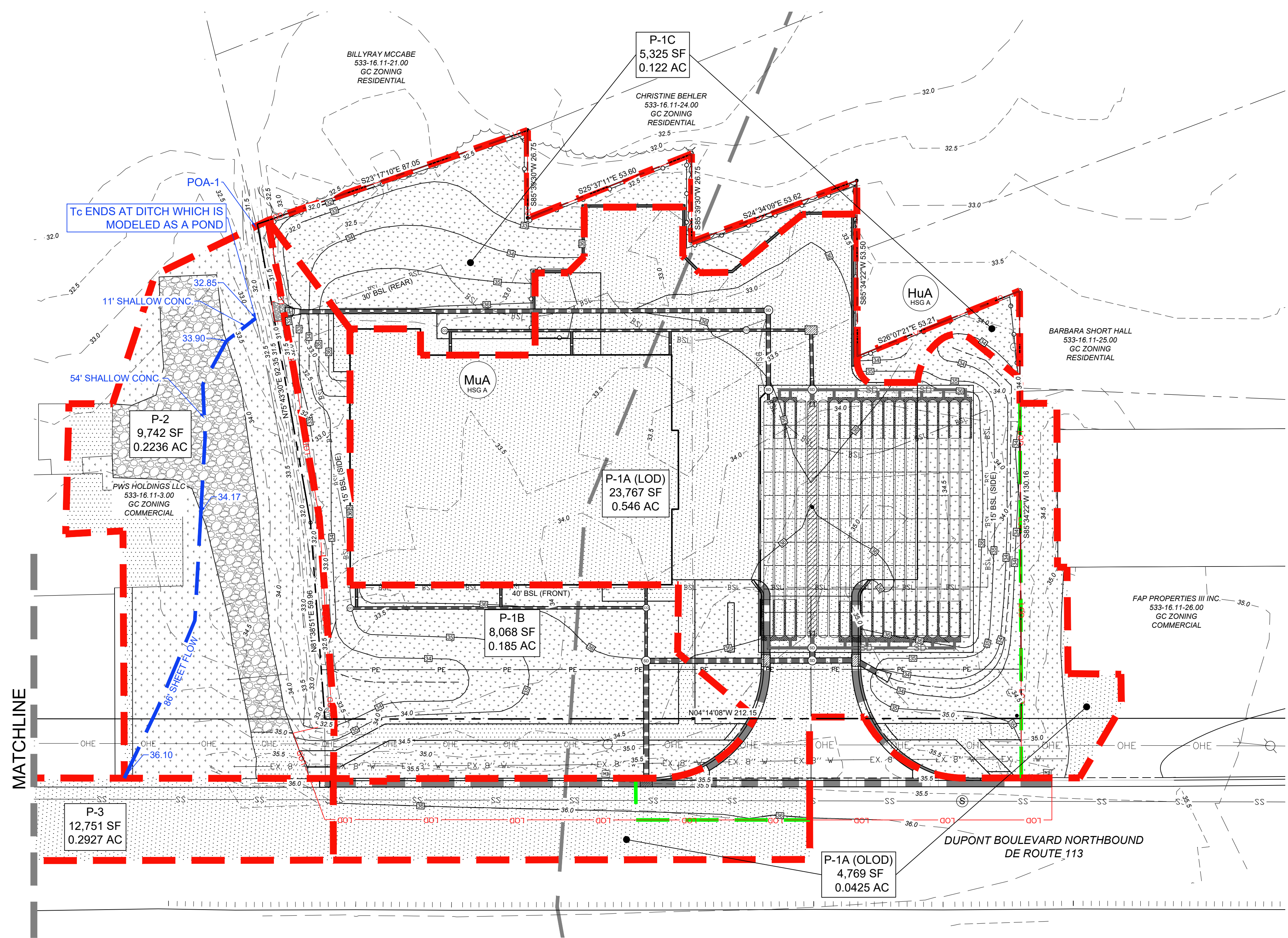
SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW: RP	

SHEET
EX DA

PRE-CONSTRUCTION SITE
DRAINAGE AREA



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

PROPOSED CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING TREELINE
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE
	PROPOSED DRAINAGE BOUNDARY
	PROPOSED LOD/LOD BOUNDARY
	PROPOSED TIME OF CONCENTRATION PATH

PROPOSED DRAINAGE AREA CN TABLES

DRAINAGE AREA RUNOFF COEFFICIENTS				
DRAINAGE AREA	POINT OF ANALYSIS	TOTAL AREA (SF)	TOTAL AREA (AC)	RUNOFF CURVE #
P-1A (TOTAL)	POA-1	28,536	0.655	84
P-1B	POA-1	8,068	0.185	46
P-1C	POA-1	5,325	0.122	44
P-2	POA-1	9,742	0.224	65
P-3	POA-1	12,751	0.293	89

DRAINAGE AREA LAND COVERS				
DA	IMPERVIOUS HSG A	OPEN HSG A/D	GRAVEL HSG A/D	TOTAL
P-1A (LOD)	18,326	5,441	0	23,767
	0.4207	0.1249	0.0000	0.5456
P-1A (OLOD)	3,367	1,402	0	4,769
	0.0773	0.0322	0.0000	0.1095
P-1A (TOTAL)	21,693	6,843	0	28,536
	0.4980	0.1571	0.0000	0.6551
CN	98.0	39.0	98.0	83.9
P-1B	961	7,107	0	8,068
	0.0221	0.1632	0.0000	0.1852
CN	98.0	39.0	98.0	46.0
P-1C	432	4,893	0	5,325
	0.0099	0.1123	0.0000	0.1222
CN	98.0	39.0	98.0	43.8
P-2	1,408	5,497	2,837	9,742
	0.0323	0.1262	0.0651	0.2236
CN	98.0	39.0	98.0	64.7
P-3	10,834	1,917	0	12,751
	0.2487	0.0440	0.0000	0.2927
CN	98.0	39.0	98.0	89.1

AREA CONDITIONS ARE GOOD TYPICAL

TIME OF CONCENTRATION PATHS					
DA	TYPE	LEN(FT)	INV UP(FT)	INV DN(FT)	SLOPE
P-1A (LOD)	SHEET				6 MINUTE MINIMUM
	SH CONC				
	CHANNEL				
P-1B	SHEET				6 MINUTE MINIMUM
	SH CONC				
	CHANNEL				
P-1C	SHEET				6 MINUTE MINIMUM
	SH CONC				
	CHANNEL				
P-2	SHEET	86	36.10	34.17	2.24%
	SH CONC	54	34.17	33.90	0.50%
	SH CONC	11	33.90	32.85	9.55%
P-3	SHEET				6 MINUTE MINIMUM
	SH CONC				
	CHANNEL				

PROPOSED LAND COVER LEGEND	
	OPEN SPACE (GOOD) HSG A
	IMPERVIOUS HSG A

REVISIONS

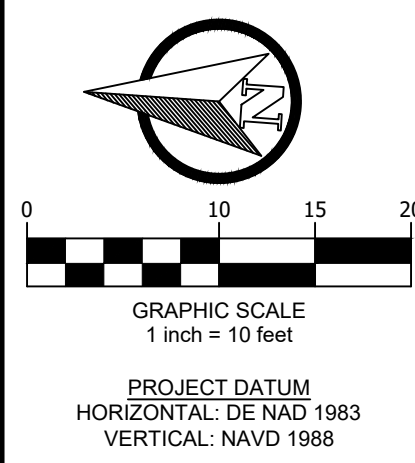
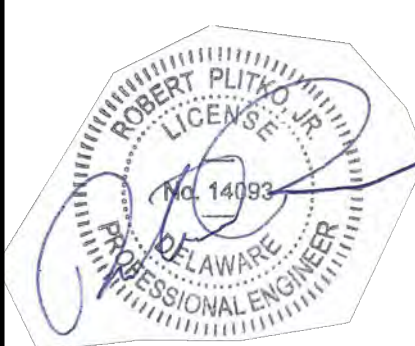
NO.	DESCRIPTION	DATE

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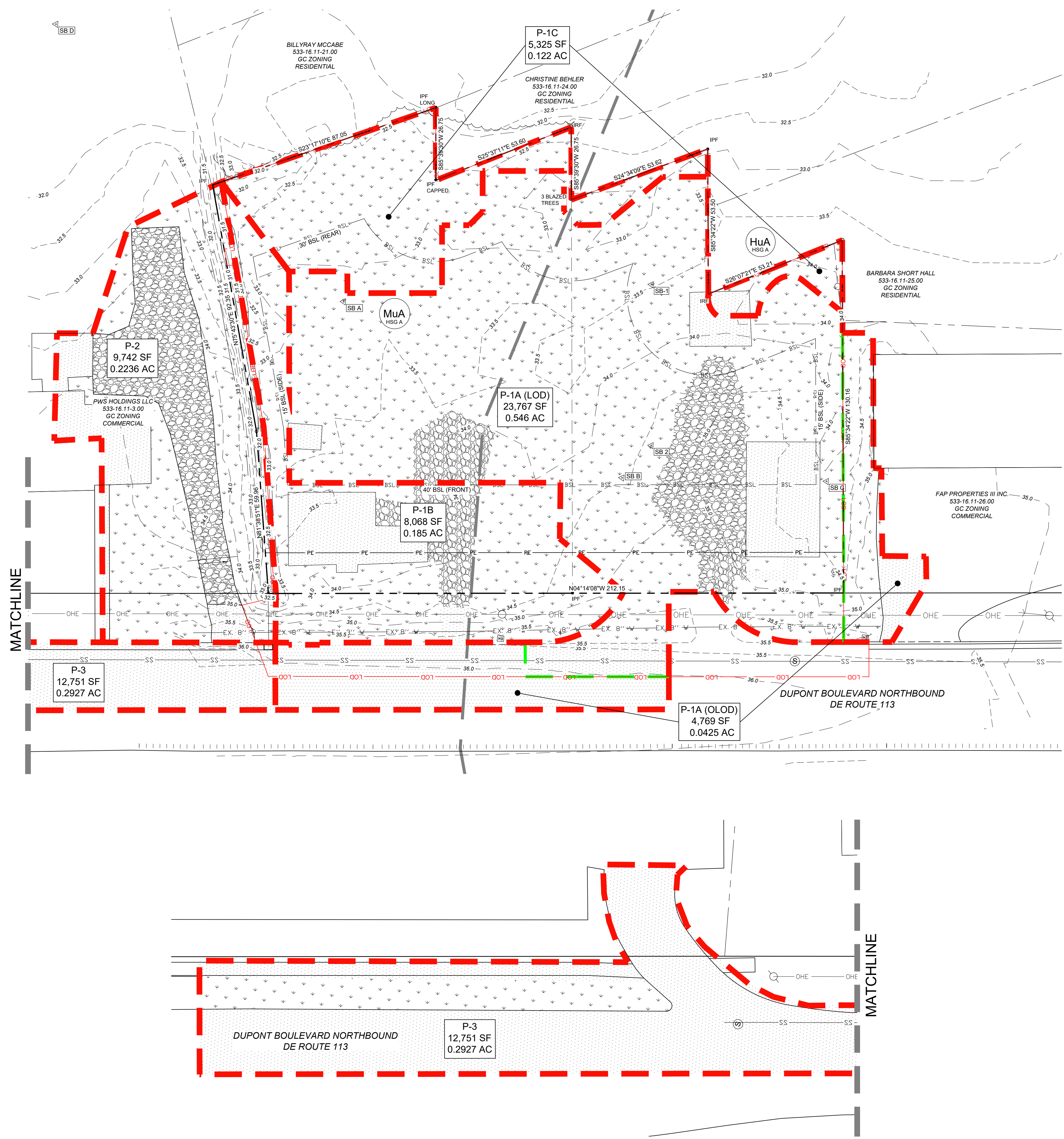
SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW: RP	

SHEET
PR DA

POST CONSTRUCTION SITE
DRAINAGE AREA



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

PROPOSED CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING TREE LINE
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE
	PROPOSED DRAINAGE BOUNDARY
	PROPOSED LOD/OLOD BOUNDARY

EXISTING COVER PROPOSED DRAINAGE AREAS (FOR DURMM INPUT)				
DA	IMP HSG A	OPEN HSG A	GRAVEL HSG A	TOTAL
P-1A (LOD)	2,362	18,618	2,787	23,767
	0.0542	0.4274	0.0640	0.5456
P-1B (LOD)	1,315	5,814	940	8,068
	0.0302	0.1335	0.0216	0.1852
P-1C (LOD)	131	5,194	0	5,325
	0.0030	0.1192	0.0000	0.1222
P-1A (OLOD)	3,324	1,444	0	4,769
	0.0763	0.0332	0.0000	0.1095
P-2 (OLOD)	1,408	5,497	2,837	9,742
	0.0323	0.1262	0.0651	0.2236
P-3 (OLOD)	10,834	1,917	0	12,751
	0.2487	0.0440	0.0000	0.2927
AREA CONDITIONS ARE GOOD TYPICAL				

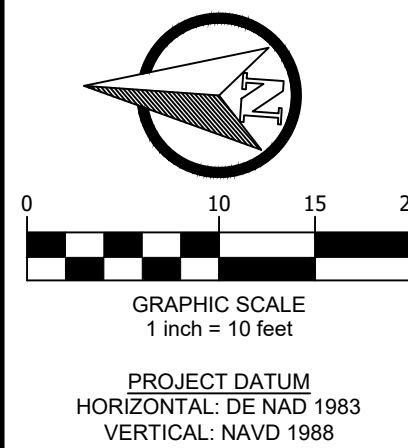
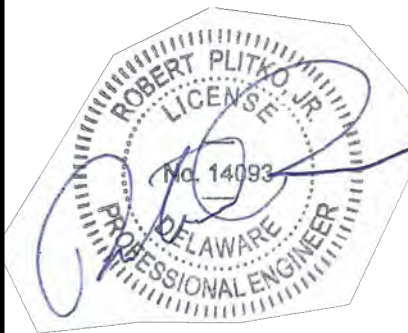
EXISTING LAND COVER LEGEND

- OPEN SPACE (GOOD) HSG A
- IMPERVIOUS HSG A
- GRAVEL HSG A

REVISIONS

PLITKO ENGINEERING
ENGINEER - SURVEY - HYDROGRAPHIC
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Phone (302)-537-1919

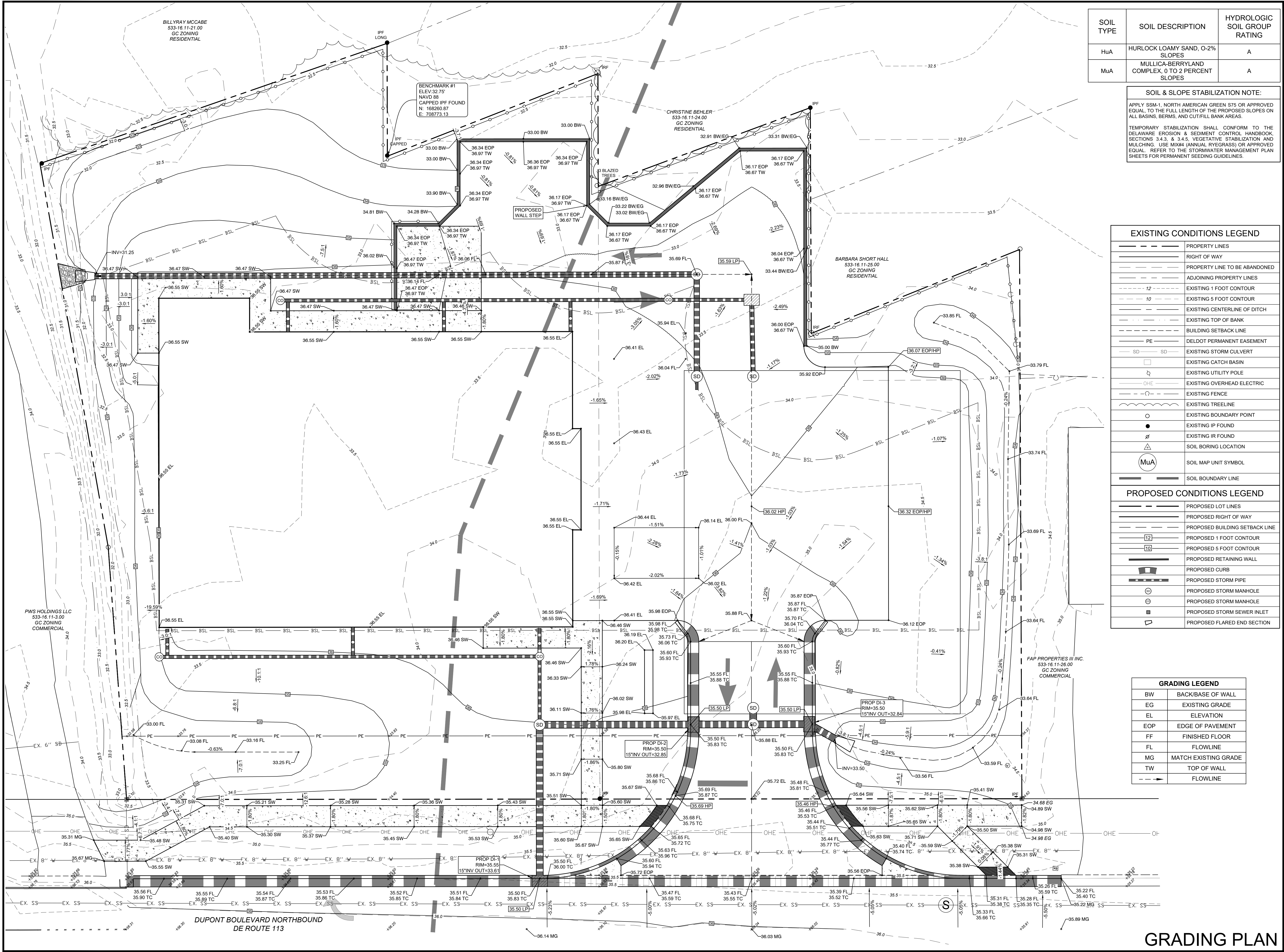
SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW: RP	

SHEET
PR DA2

EXISTING COVERS ON
PROPOSED DRAINAGE AREAS



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

SOIL & SLOPE STABILIZATION NOTE:

APPLY SSM-1, NORTH AMERICAN GREEN S75 OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUT/FILL BANK AREAS.

TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3. & 3.4.5. VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.

EXISTING CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPERTY LINE TO BE ABANDONED
	ADJOINING PROPERTY LINES
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	EXISTING CENTERLINE OF DITCH
	EXISTING TOP OF BANK
	BUILDING SETBACK LINE
	DELDOT PERMANENT EASEMENT
	EXISTING STORM CULVERT
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING TREELINE
	EXISTING BOUNDARY POINT
	EXISTING IP FOUND
	EXISTING IR FOUND
	SOIL BORING LOCATION
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE
PROPOSED CONDITIONS LEGEND	
	PROPOSED LOT LINES
	PROPOSED RIGHT OF WAY
	PROPOSED BUILDING SETBACK LINE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED RETAINING WALL
	PROPOSED STORM PIPE
	PROPOSED STORM MANHOLE
	PROPOSED STORM SEWER INLET
	PROPOSED FLARED END SECTION

GRADING LEGEND	
BW	BACK/BASE OF WALL
EG	EXISTING GRADE
EL	ELEVATION
EOP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FL	FLOWLINE
MG	MATCH EXISTING GRADE
TW	TOP OF WALL
FL	FLOWLINE

REVISIONS

PLITKO ENGINEERING

ENGINEER - SURVEY - HYDROGRAPHIC

53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

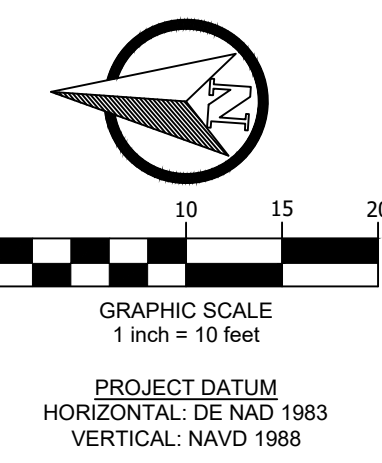
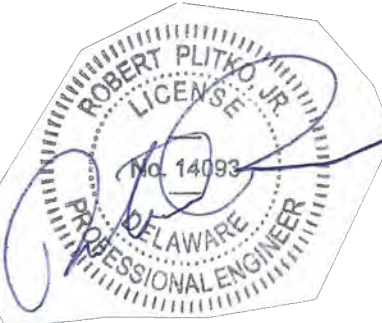
GRADING PLAN

SELBYVILLE TEXTILE PRINTING

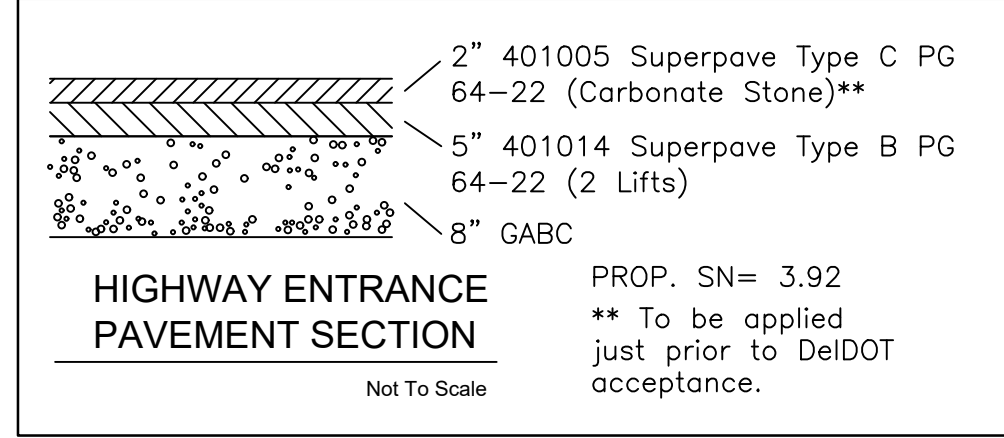
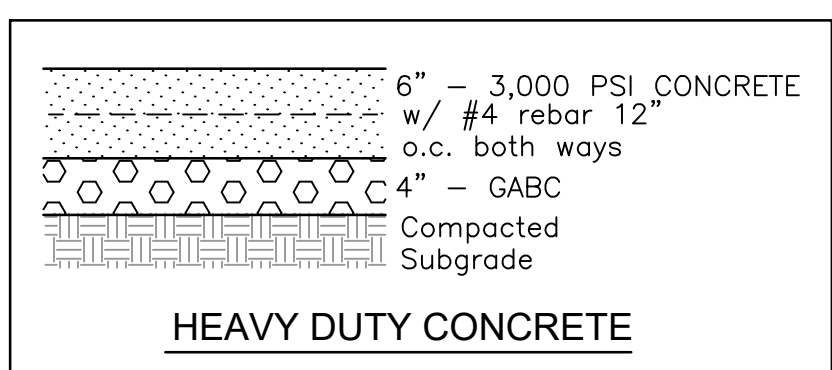
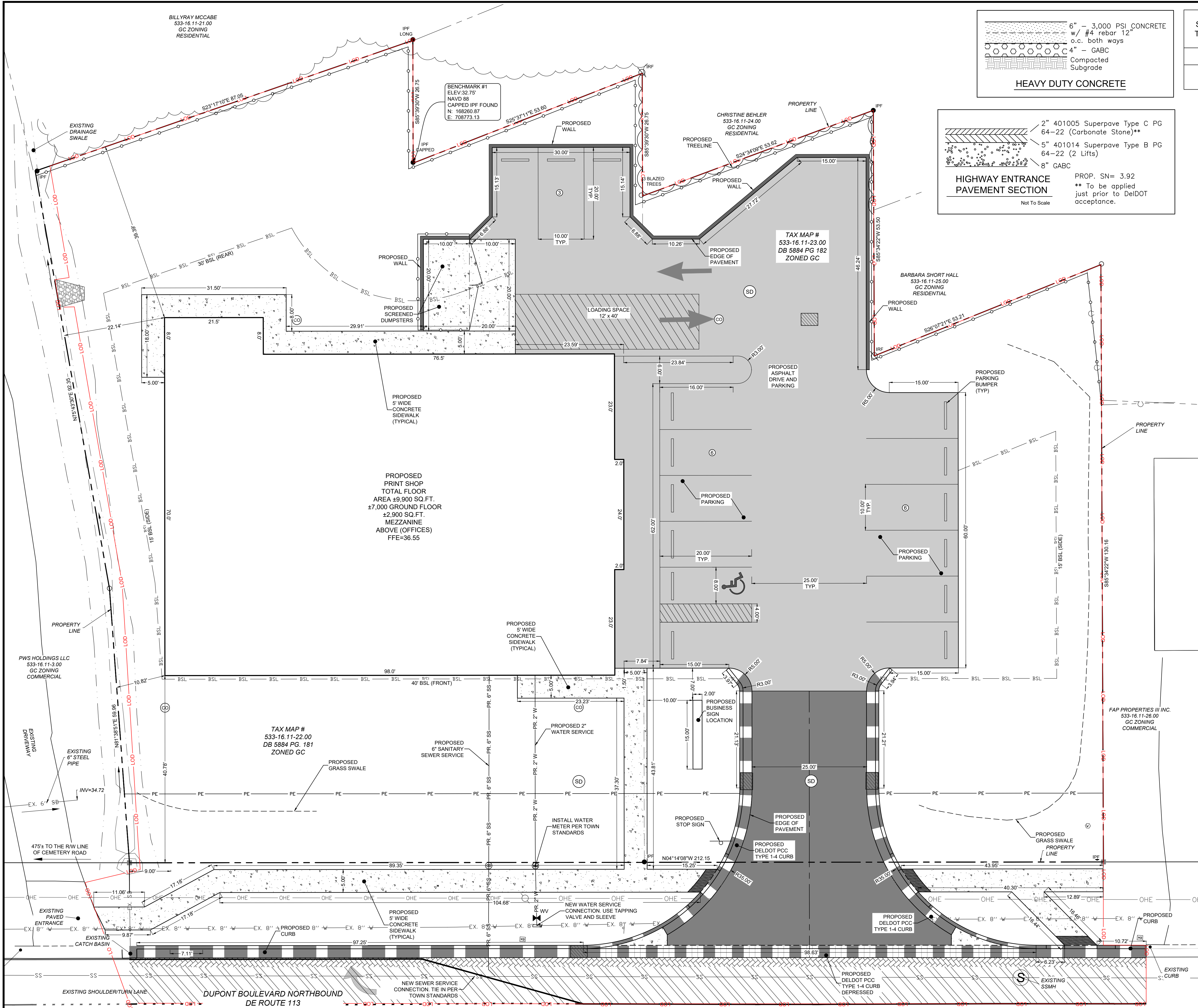
T.M.#533-16.11-22.00 & 23.00

DUPONT BOULEVARD

TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE

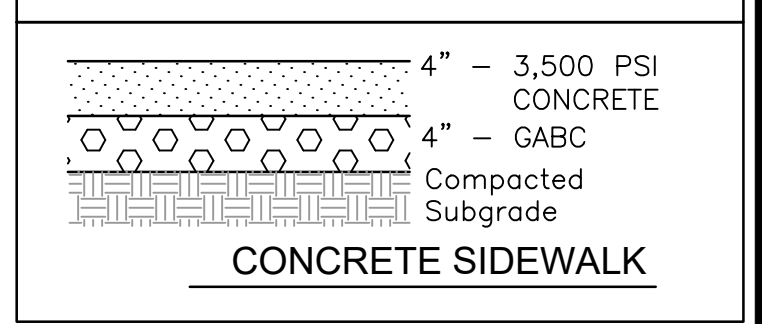
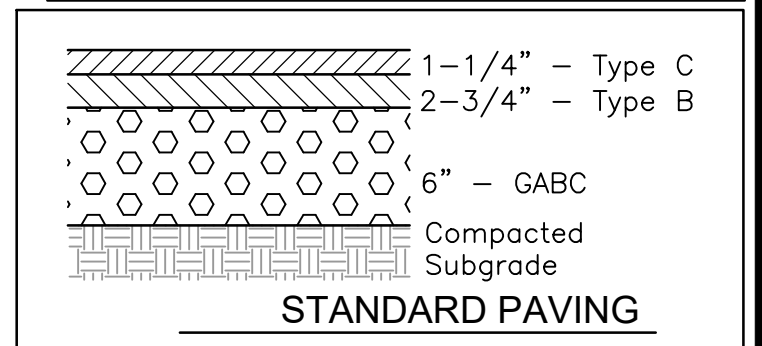


SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW:	RP
SHEET	C102



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

SOIL & SLOPE STABILIZATION NOTE:
APPLY SSM-1, NORTH AMERICAN GREEN S7S OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUT/FILL BANK AREAS.
TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3. & 3.4.5. VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.



EXISTING CONDITIONS LEGEND

---	PROPERTY LINES
---	RIGHT OF WAY
---	PROPERTY LINE TO BE ABANDONED
---	ADJOINING PROPERTY LINES
---	EXISTING 1 FOOT CONTOUR
---	EXISTING 5 FOOT CONTOUR
---	EXISTING CENTERLINE OF DITCH
---	EXISTING TOP OF BANK
---	BUILDING SETBACK LINE
---	DELDOT PERMANENT EASEMENT
---	EXISTING STORM CULVERT
---	EXISTING CATCH BASIN
---	EXISTING UTILITY POLE
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING FENCE
---	EXISTING TREE LINE
---	EXISTING BOUNDARY POINT
---	EXISTING IP FOUND
---	EXISTING IR FOUND
---	SOIL BORING LOCATION
---	SOIL MAP UNIT SYMBOL
---	SOIL BOUNDARY LINE

PROPOSED CONDITIONS LEGEND

---	PROPOSED LOT LINES
---	PROPOSED RIGHT OF WAY
---	PROPOSED BUILDING SETBACK LINE
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	PROPOSED RETAINING WALL
---	PROPOSED CURB
---	PROPOSED STORM PIPE
---	PROPOSED STORM MANHOLE
---	PROPOSED STORM MANHOLE
---	PROPOSED STORM SEWER INLET
---	PROPOSED FLARED END SECTION

PAVEMENT LEGEND

---	PROPOSED STANDARD PAVEMENT SECTION
---	PROPOSED ENTRANCE PAVEMENT SECTION
---	PROPOSED HEAVY DUTY CONCRETE SECTION
---	PROPOSED CONCRETE SIDEWALK SECTION
---	PROPOSED 2" MILL & OVERLAY PAVEMENT SECTION
---	PROPOSED FULL DEPTH PAVEMENT SECTION

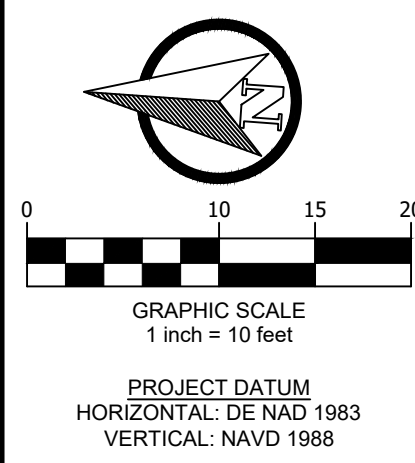
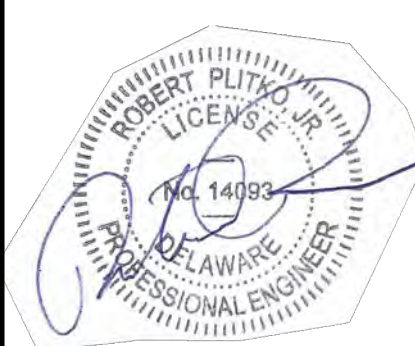
LAYOUT AND PAVING PLAN

REVISIONS



ENGINEER - SURVEY - HYDROGRAPHIC
53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

LAYOUT AND PAVING PLAN
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW:	RP
SHEET	C103

PARCEL DATA:

- PROJECT TAX MAP: #533-16.11-22.00 & 23.00
- SITE ADDRESS: 38177 DUPONT BOULEVARD
SELBYVILLE, DE 19945
- SITE LATITUDE: 38 46167"
SITE LONGITUDE: -75 23333"
- DNREC SEDIMENT AND STORMWATER PROGRAM: #
- PROJECT SITE IS ±475' SOUTH OF THE CEMETERY ROAD / DUPONT BLVD INTERSECTION.
- SITE IS IN FLOOD ZONE X (SHADED) & AE-7 AS SHOWN PER FEMA MAP #10005C0628J
DATED JANUARY 6, 2005.
- PLANE COORDINATE:
BENCHMARK #1: IRON PIN WITH CAP
EL: 32.75'
SURVEY DATUM IS NAVD 88 (VERTICAL) DE STATE PLANE NAD83 (HORIZONTAL)
- EXISTING/PROPOSED SITE AREA: ±0.772 ACRES
- EXISTING/PROPOSED ZONING: GC (GENERAL COMMERCIAL)
- EXISTING WETLAND AREA: N/A
- PROPOSED CONDITION: TEXTILE PRINTSHOP & SMALL SHOWROOM
- PROPOSED DISCHARGE LOCATION: POA-1
- PROPOSED LIMIT OF DISTURBANCE = 0.918 ± AC

CONTACT DATA:

- OWNER/DEVELOPER ADDRESS:
OC LUXURY PROPERTIES LLC
ATTN: ALEK BUI NOVSKIS
84 WEST DUKES STREET
SELBYVILLE, DE 19975
- DESIGNER DATA:
PLITKO, L.L.C.
53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
302-222-2075
- REVIEW AGENCY DATA:
STORMWATER PLAN REVIEWER
SUSSEX CONSERVATION DISTRICT
23819 SHORTLY ROAD
GEORGETOWN, DE 19947
302-856-2105
www.sussexconservation.org

STANDARD SEDIMENT AND STORMWATER CONSTRUCTION NOTES:

- THE DNREC SEDIMENT AND STORMWATER PROGRAM SHALL BE NOTIFIED IN WRITING 5 DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
- REVIEW AND/OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN.
- IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY DNREC OR THE DELEGATED AGENCY.
- FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED FOR ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WITHIN 14 CALENDAR DAYS UNLESS MORE RESTRICTIVE FEDERAL REQUIREMENTS APPLY.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- AT ANY TIME A DEWATERING OPERATION IS USED, IT SHALL BE PREVIOUSLY APPROVED BY THE AGENCY. CONSTRUCTION SITE REVIEWER FOR A NON-EROSIVE POINT OF DISCHARGE, AND A DEWATERING PERMIT SHOULD BE APPROVED BY THE DNREC WELL PERMITTING BRANCH.
- APPROVED PLANS REMAIN VALID FOR 5 YEARS FROM THE DATE OF APPROVAL.
- POST CONSTRUCTION VERIFICATION DOCUMENTS SHALL BE SUBMITTED TO THE DEPARTMENT OR DELEGATED AGENCY WITHIN 60-DAYS OF STORMWATER MANAGEMENT FACILITY COMPLETION.
- APPROVAL OF A SEDIMENT AND STORMWATER MANAGEMENT PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS.
- THE NOTICE OF INTENT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER A NPDES GENERAL PERMIT FOR THIS PROJECT IS NOT REQUIRED AS THE PROJECT AREA IS UNDER 1.0 AC.
- THE OWNER SHALL BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.
- THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
- BEFORE ANY EARTHWORK OR EXCAVATION TAKES PLACE, THE CONTRACTOR SHOULD CALL MISS UTILITY AT 811 OR 1-800-282-8555 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, TO HAVE ALL EXISTING UTILITIES MARKED ON-SITE.
- BEST AVAILABLE TECHNOLOGY (BAT) SHALL BE EMPLOYED TO MANAGE TURBID DISCHARGES IN ACCORDANCE WITH REQUIREMENTS OF 7 DEL.C. CH. 60 AND THE CURRENT DELAWARE CONSTRUCTION GENERAL PERMIT (CGP).
- DOCUMENTATION OF SOIL TESTING AND MATERIALS USED FOR TEMPORARY OR PERMANENT STABILIZATION INCLUDING BUT NOT LIMITED TO SOIL TEST RESULTS, SEED TAGS, SOIL AMENDMENT TAGS, ETC. SHALL BE PROVIDED TO THE DEPARTMENT OR DELEGATED AGENCY TO VERIFY THAT THE PERMANENT OR TEMPORARY STABILIZATION HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLAN.
- THE DEPARTMENT OR DELEGATED AGENCY MAY REQUIRE ADDITIONAL SOIL TESTING AND REAPPLICATION OF PERMANENT OR TEMPORARY STABILIZATION IN ACCORDANCE WITH THE SPECIFICATIONS IN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, OR ALTERNATIVE MEASURES THAT PROVIDE FUNCTIONAL EQUIVALENCY.

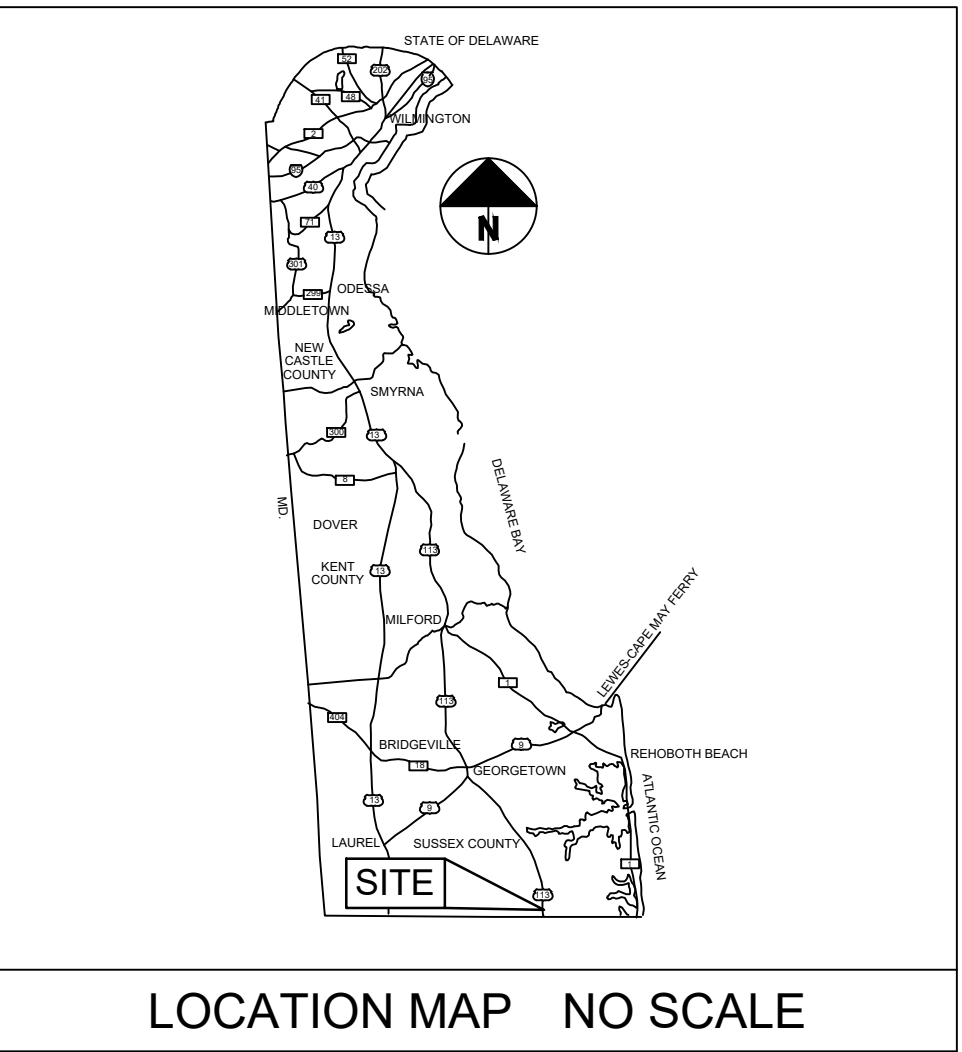
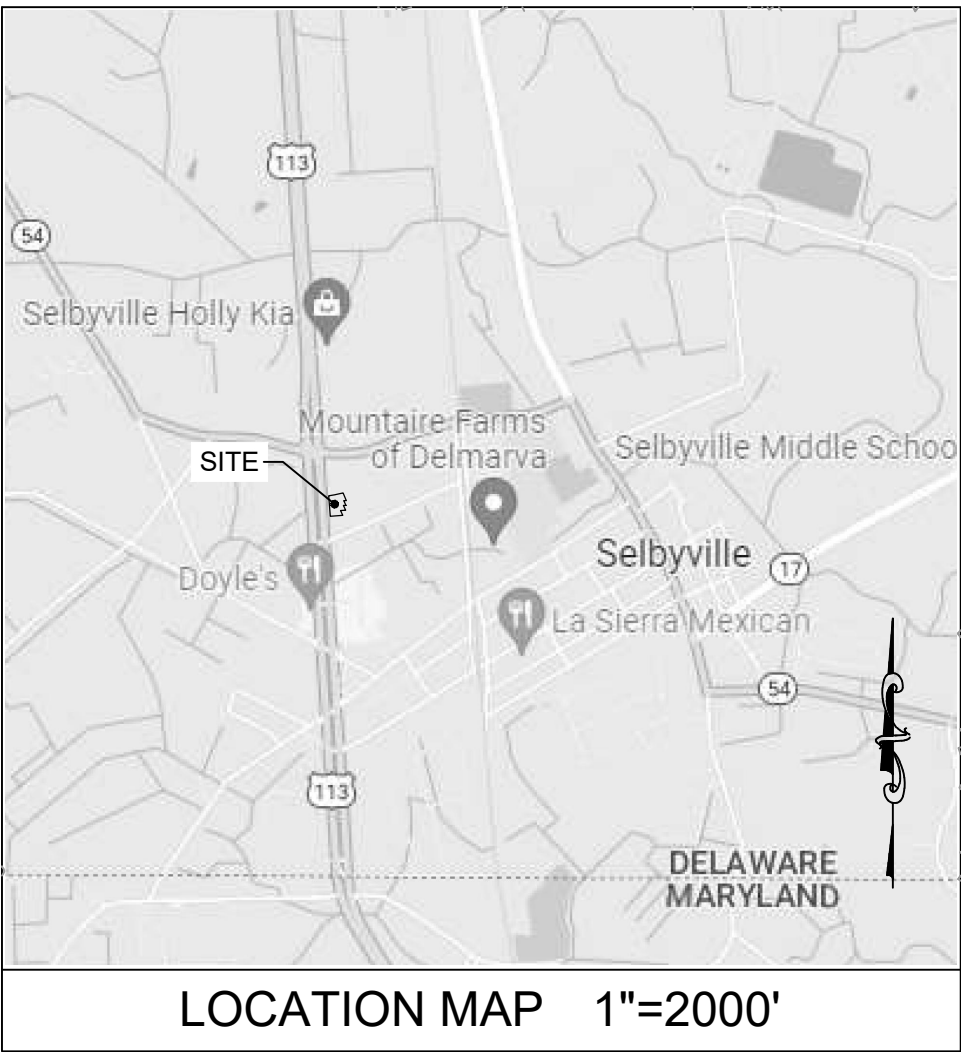
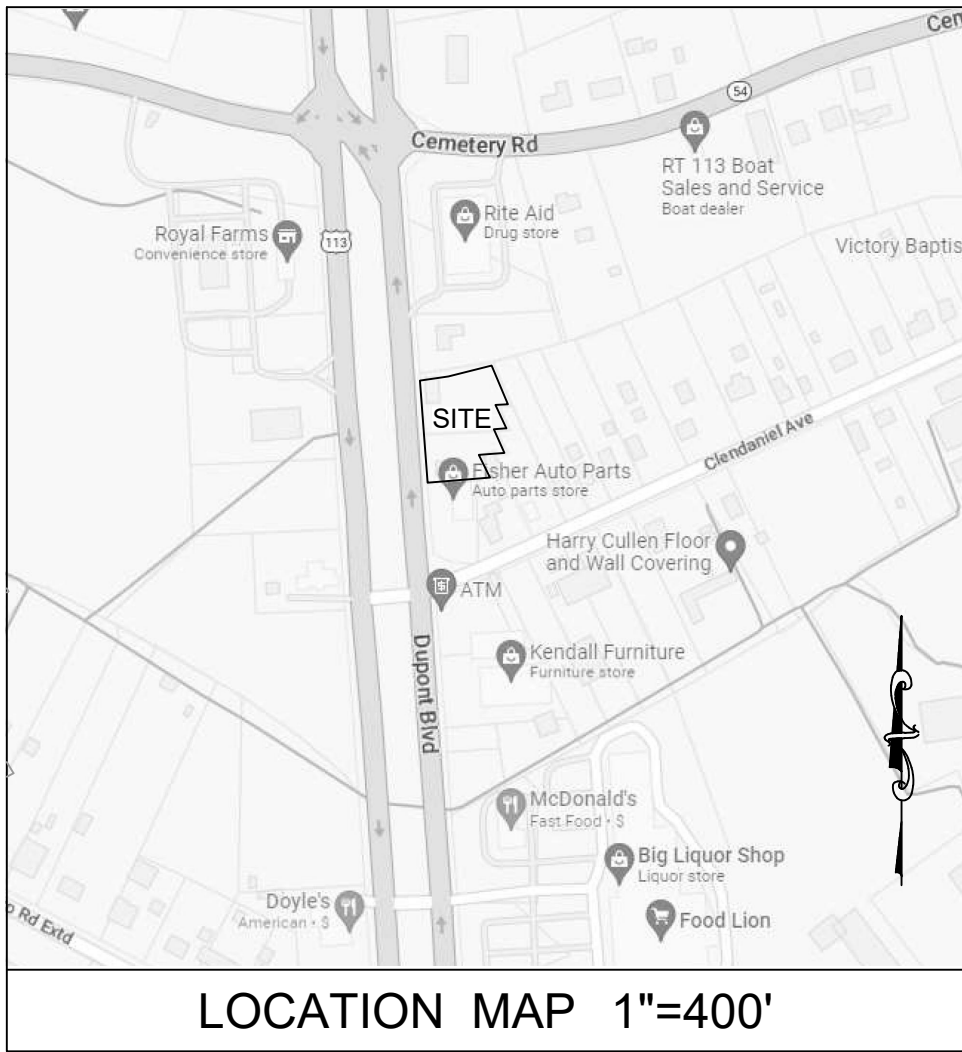
PROJECT NOTES:

- TOPOGRAPHIC SURVEY:
A. FIELD GENERATED BY PLITKO L.L.C. IN NOVEMBER 2022.
B. SITE BENCHMARK IS A CAPPED IRON PIN FOUND AT A REAR PROPERTY CORNER AS SHOWN ON PLAN: ELEVATION: 32.75' NAVD 88.
- BOUNDARY SURVEY PERFORMED BY PLITKO L.L.C. IN APRIL 2022.
SITE BOUNDARY BASED ON DEED OF RECORD FOR SUBJECT AND ADJACENT PARCELS.
- EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS, INCLUDING TELEPHONE, ELECTRIC, CABLE TV, GAS, WATER, SEWER, FORCE MAINS AND STORM DRAINAGE ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. NO GUARANTEE IS MADE OR IMPLIED REGARDING ACCURACY OR COMPLETENESS THEREOF. CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION, DEPTH, SIZE AND MATERIAL OF ALL UNDERGROUND UTILITIES TO HIS OWN SATISFACTION BEFORE BEGINNING ANY EXCAVATION OR PIPE LAYING. THE CITY, OWNER, AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF SAID INFORMATION. IF THE CONTRACTOR RELIES ON SAID INFORMATION, HE/SHE DOES SO AT HIS/HER OWN RISK. THE PROVISION OF THE INFORMATION ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATIONS TO SUPPORT AND PROTECT ALL SHOWN NOT SHOWN EXISTING UTILITIES AND APPURTENANCES. SHOULD ANY EXISTING UTILITIES BE DAMAGED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL REPAIR THE DAMAGE CAUSED TO THE CITY'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION AND TEST PIT EXISTING UTILITIES AS REQUIRED.
- THE CONTRACTOR SHALL PROVIDE STAKEOUT SURVEY NECESSARY FOR THE BUILDING CONSTRUCTION, PARKING LOT CONSTRUCTION, THE INSTALLATION OF UTILITY WORK AND APPURTENANCES, AND DETERMINATION OF RIGHT-OF-WAY.
- CONTRACTOR SHALL EXERCISE CAUTION AND TAKE MEASURES NECESSARY TO PROTECT TREES SLATED TO REMAIN DURING CONSTRUCTION ACTIVITIES. DAMAGE TO TREES TO BE REPLACED, IN KIND, AT THE CONTRACTOR'S EXPENSE.
- DEBRIS DISPOSAL: NO DEBRIS WILL BE BURIED OR DISPOSED OF ON THIS SITE.
- THERE ARE NO WETLANDS PRESENT ON THIS SITE.
- USGS QUAD MAP SHOW THAT THERE ARE NO BLUE LINE STREAMS ON THIS SITE.
- DRAINAGE, EROSION AND SEDIMENT CONTROL, AND STORMWATER MANAGEMENT SHALL BE PROVIDED IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS AND THE SUSSEX CONSERVATION DISTRICT CODE.
- ALL STORMWATER MANAGEMENT FACILITIES ARE TO BE OWNED AND MAINTAINED BY THE OWNER.
- ALL SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS.
- THE ROADS, PARKING, AND OTHER PAVED OR STONE AREAS WILL BE PRIVATELY MAINTAINED AND ARE NOT INTENDED FOR DEDICATION.

SELBYVILLE TEXTILE PRINTING

SEDIMENT AND STORMWATER MANAGEMENT PLANS

U.S. RTE 113 DUPONT BOULEVARD
TOWN OF SELBYVILLE, SUSSEX COUNTY, DELAWARE
BUNTINGS BRANCH WATERSHED, BALTIMORE HUNDRED
T.M.#533-16.11-22.00 & 23.00



SHEET INDEX

COVER SHEET AND GENERAL NOTES	C200
EXISTING CONDITIONS PLAN	C201
PRE-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN	C202
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CONSTRUCTION SITE DETAILS AND NOTES	C204
CONSTRUCTION SITE DETAILS AND NOTES	C205
POST CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN	C206
POST CONSTRUCTION SITE DETAILS AND NOTES	C207
EROSION AND SEDIMENT CONTROL DETAILS	C208
EROSION AND SEDIMENT CONTROL DETAILS	C209
EROSION AND SEDIMENT CONTROL DETAILS	C210
EROSION AND SEDIMENT CONTROL DETAILS	C211

LIMIT OF DISTURBANCE PROPOSED = 0.918 ± ACS

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A BUILDING HOUSING EQUIPMENT FOR FABRIC AND OTHER COMMERCIAL PRINTING, CATERING PRIMARILY TO ONLINE CUSTOMERS AS WELL AS THE CONSTRUCTION OF ASSOCIATED PARKING AND STORMWATER MANAGEMENT FACILITIES.

CONTRACTOR'S PORTAL

PLEASE SCAN THE QR CODE BELOW TO ACCESS SUSSEX CONSERVATION DISTRICTS 'HOW TO GUIDE' AND A LINK TO THE "CONTRACTOR'S PORTAL".



DEVELOPER CERTIFICATION

I, THE UNDERSIGNED, CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION AND DEVELOPMENT SHALL BE DONE PURSUANT TO THE APPROVED PLAN AND THAT RESPONSIBLE PERSONNEL (I.E., BLUE CARD HOLDER) INVOLVED IN THE LAND DISTURBANCE WILL HAVE A CERTIFICATION OF TRAINING PRIOR TO INITIATION OF THE PROJECT, AT A DNREC SPONSORED OR APPROVED TRAINING COURSE FOR THE CONTROL OF EROSION AND SEDIMENT DURING CONSTRUCTION.

IN ADDITION, I GRANT THE DNREC SEDIMENT AND STORMWATER PROGRAM AND/OR THE RELEVANT DELEGATED AGENCY THE RIGHT TO CONDUCT ON-SITE REVIEWS, AND I UNDERSTAND MY RESPONSIBILITIES UNDER THE NPDES CONSTRUCTION GENERAL PERMIT, AS REFERENCED ON THIS COVERSHEET.

ALEK BUI NOVSKIS

12/10/24
DATE

EXISTING CONDITIONS LEGEND

---	PROPERTY LINES
---	RIGHT OF WAY
---	PROPERTY LINE TO BE ABANDONED
---	ADJOINING PROPERTY LINES
---	EXISTING 1 FOOT CONTOUR
---	EXISTING 5 FOOT CONTOUR
---	EXISTING CENTERLINE OF DITCH
---	EXISTING TOP OF BANK
---	BUILDING SETBACK LINE
PE	DELDOT PERMANENT EASEMENT
SD SD	EXISTING STORM CULVERT
□	EXISTING CATCH BASIN
⊕	EXISTING UTILITY POLE
OHE	EXISTING OVERHEAD ELECTRIC
---	EXISTING FENCE
---	EXISTING TREELINE
○	EXISTING BOUNDARY POINT
●	EXISTING IP FOUND
∅	EXISTING IR FOUND
△	SOIL BORING LOCATION
⊙	SOIL MAP UNIT SYMBOL
---	SOIL BOUNDARY LINE

PROPOSED CONDITIONS LEGEND

---	PROPOSED LOT LINES
---	PROPOSED RIGHT OF WAY
---	PROPOSED BUILDING SETBACK LINE
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	PROPOSED RETAINING WALL
---	PROPOSED CURB
---	PROPOSED STORM PIPE
⊕	PROPOSED STORM MANHOLE
⊕	PROPOSED STORM MANHOLE
⊕	PROPOSED STORM SEWER INLET
---	PROPOSED FLARED END SECTION

E&S LEGEND

SP	SOIL STOCKPILE
SCE	STABILIZED CONST. ENTRANCE
SST	STONE OUTLET SEDIMENT TRAP
LOD	LIMIT OF DISTURBANCE
SF	SILT FENCE
SSF	SUPER SILT FENCE
CFL	COMPOST FILTER LOG
TS-A1	TEMPORARY SWALE
SD	TEMPORARY HDPE PIPE
ROP-1	RIP RAP OUTLET PROTECTION - 1
IP-2	INLET PROTECTION TYPE 2
CIP	CULVERT INLET PROTECTION

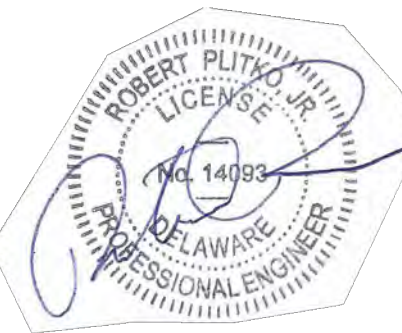
SITE DESIGNER CERTIFICATION

I, ROB PLITKO, HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLIES WITH THE APPLICABLE STATE AND LOCAL REGULATIONS AND ORDINANCES.

ROB PLITKO P.E. LIC. NO. 14093

10-15-24
DATE

SUSSEX CONSERVATION DISTRICT APPROVAL BLOCK



PROJECT DATUM
HORIZONTAL: DE NAD 1983
VERTICAL: NAVD 1988

SITE PLAN: DATE

DRAWING: RP 12/11/24

REVIEW: RP

SHEET

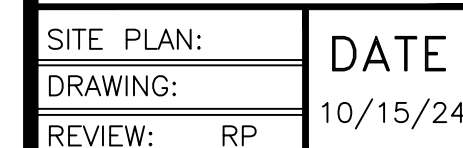
C200

SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE

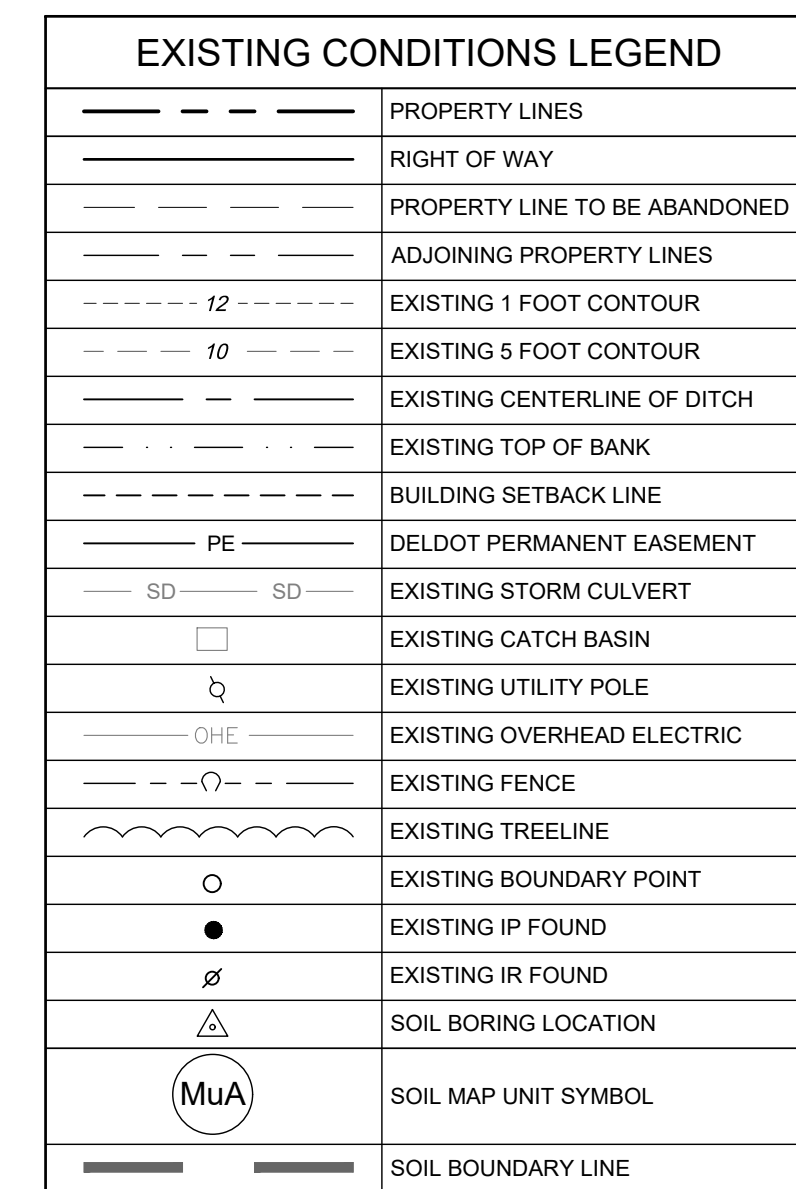
SOIL & SLOPE STABILIZATION NOTE: APPLY SSM-1, NORTH AMERICAN GREEN S75 OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUTFILL BANK AREAS. TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3 & 3.4.5, VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.
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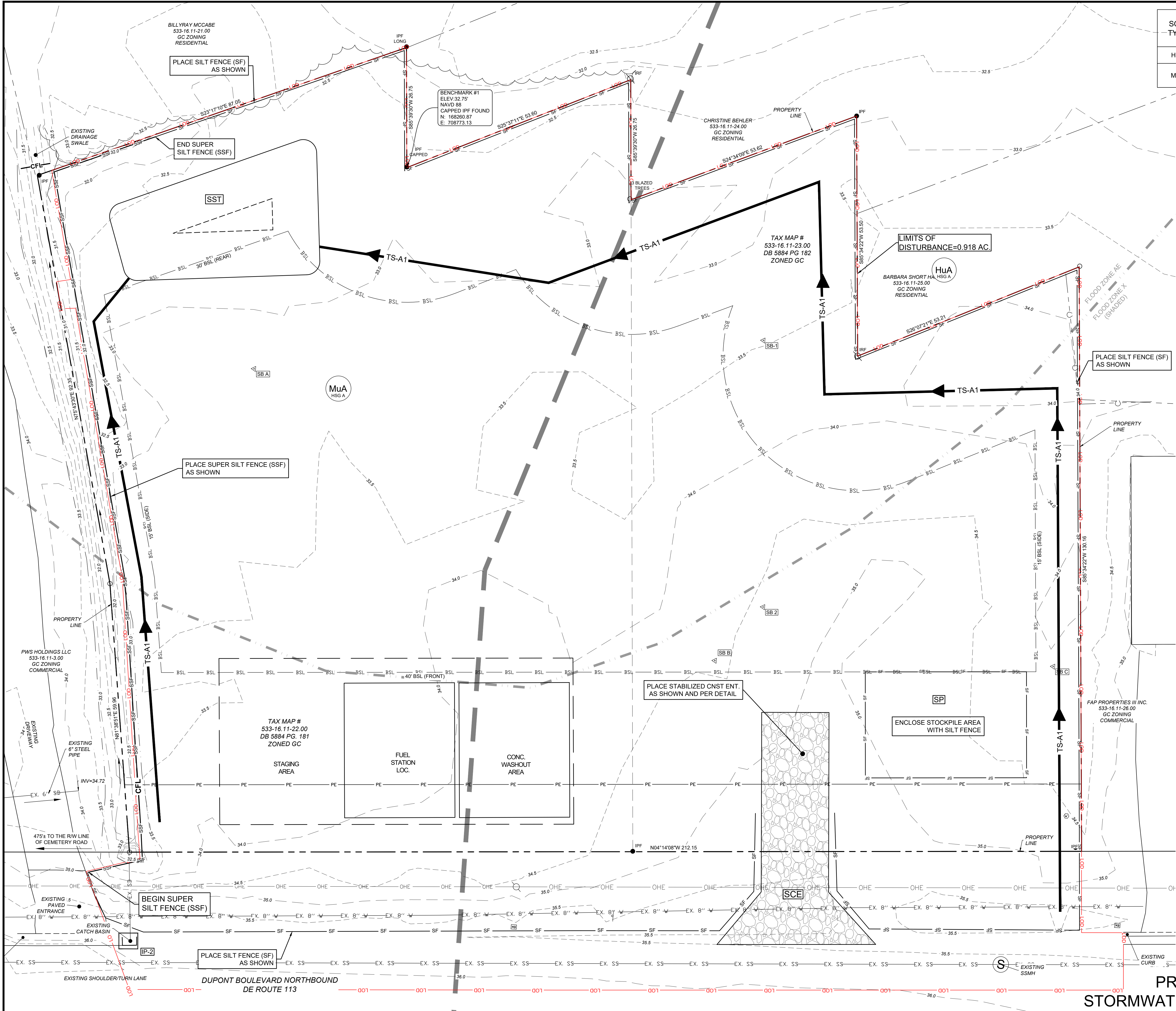
ROBERT PLITKO, JR.
LICENSED PROFESSIONAL ENGINEER
No. 14093
DELAWARE



C201



EXISTING CONDITIONS



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

SOIL & SLOPE STABILIZATION NOTE:
APPLY SSM-1, NORTH AMERICAN GREEN S75 OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUT/FILL BANK AREAS.
TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3. & 3.4.5. VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.

EXISTING CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPERTY LINE TO BE ABANDONED
	ADJOINING PROPERTY LINES
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	EXISTING CENTERLINE OF DITCH
	EXISTING TOP OF BANK
	BUILDING SETBACK LINE
	DELDOT PERMANENT EASEMENT
	EXISTING STORM CULVERT
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING TREELINE
	EXISTING BOUNDARY POINT
	EXISTING IP FOUND
	EXISTING IR FOUND
	SOIL BORING LOCATION
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE

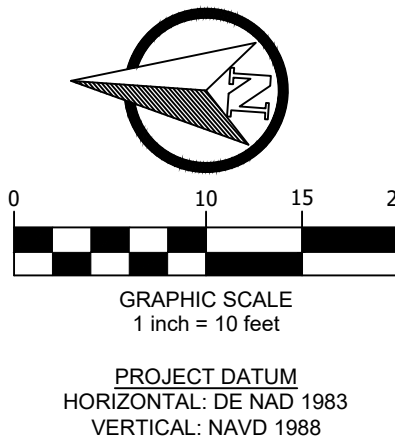
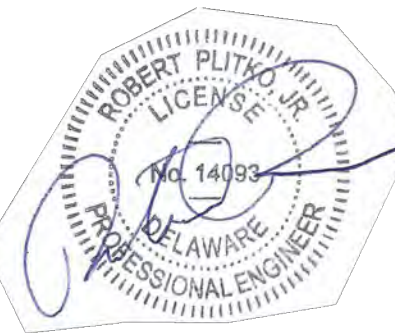
E&S LEGEND	
	SOIL STOCKPILE
	STABILIZED CONST. ENTRANCE
	STONE OUTLET SEDIMENT TRAP
	LIMIT OF DISTURBANCE
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	TEMPORARY SWALE
	COMPOST FILTER LOG
	INLET PROTECTION - TYPE 2

REVISIONS



ENGINEER - SURVEY - HYDROGRAPHIC
53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

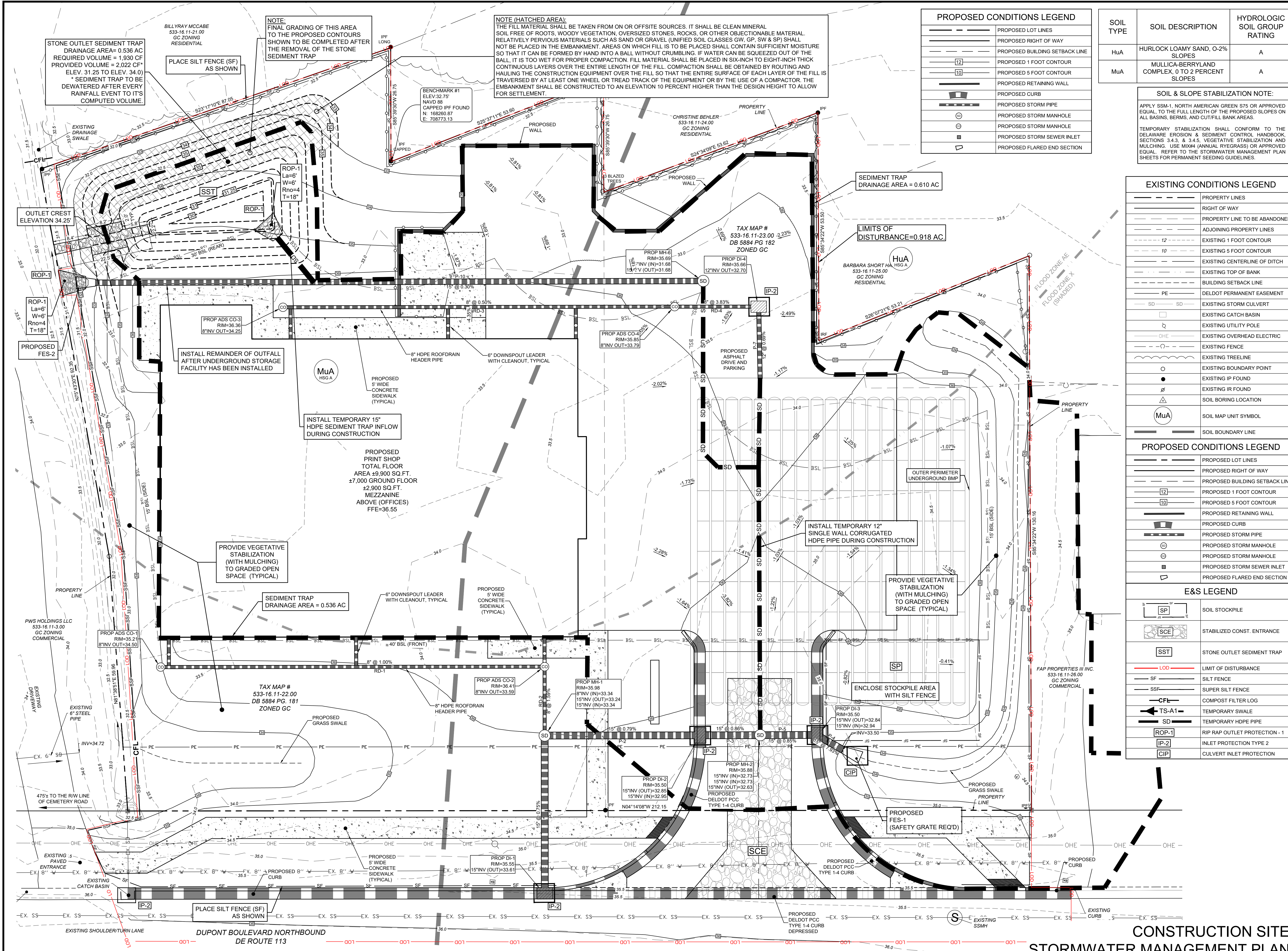
SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW:	RP
SHEET	

C202

PRE-CONSTRUCTION SITE
STORMWATER MANAGEMENT PLAN



PROPOSED CONDITIONS LEGEND	
	PROPOSED LOT LINES
	PROPOSED RIGHT OF WAY
	PROPOSED BUILDING SETBACK LINE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED RETAINING WALL
	PROPOSED CURB
	PROPOSED STORM PIPE
	PROPOSED STORM MANHOLE
	PROPOSED STORM INLET
	PROPOSED FLARED END SECTION

SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

SOIL & SLOPE STABILIZATION NOTE:
APPLY SS#1, NORTH AMERICAN GREEN S75 OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUT/FILL BANK AREAS.
TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3, & 3.4.5. VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.

EXISTING CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPERTY LINE TO BE ABANDONED
	ADJOINING PROPERTY LINES
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	EXISTING CENTERLINE OF DITCH
	EXISTING TOP OF BANK
	BUILDING SETBACK LINE
	EASEMENT
	EXISTING STORM CULVERT
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING TREELINE
	EXISTING BOUNDARY POINT
	EXISTING IP FOUND
	EXISTING IR FOUND
	SOIL BORING LOCATION
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE

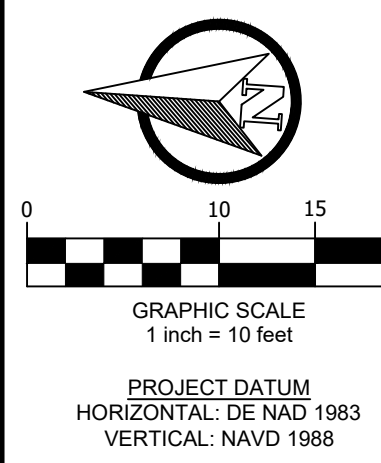
PROPOSED CONDITIONS LEGEND	
	PROPOSED LOT LINES
	PROPOSED RIGHT OF WAY
	PROPOSED BUILDING SETBACK LINE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED RETAINING WALL
	PROPOSED CURB
	PROPOSED STORM PIPE
	PROPOSED STORM MANHOLE
	PROPOSED STORM INLET
	PROPOSED FLARED END SECTION

E&S LEGEND	
	SOIL STOCKPILE
	STABILIZED CONST. ENTRANCE
	STONE OUTLET SEDIMENT TRAP
	LIMIT OF DISTURBANCE
	SILT FENCE
	SUPER SILT FENCE
	COMPOST FILTER LOG
	TEMPORARY SWALE
	TEMPORARY HDPE PIPE
	RIP RAP OUTLET PROTECTION - 1
	INLET PROTECTION TYPE 2
	CULVERT INLET PROTECTION

REVISIONS

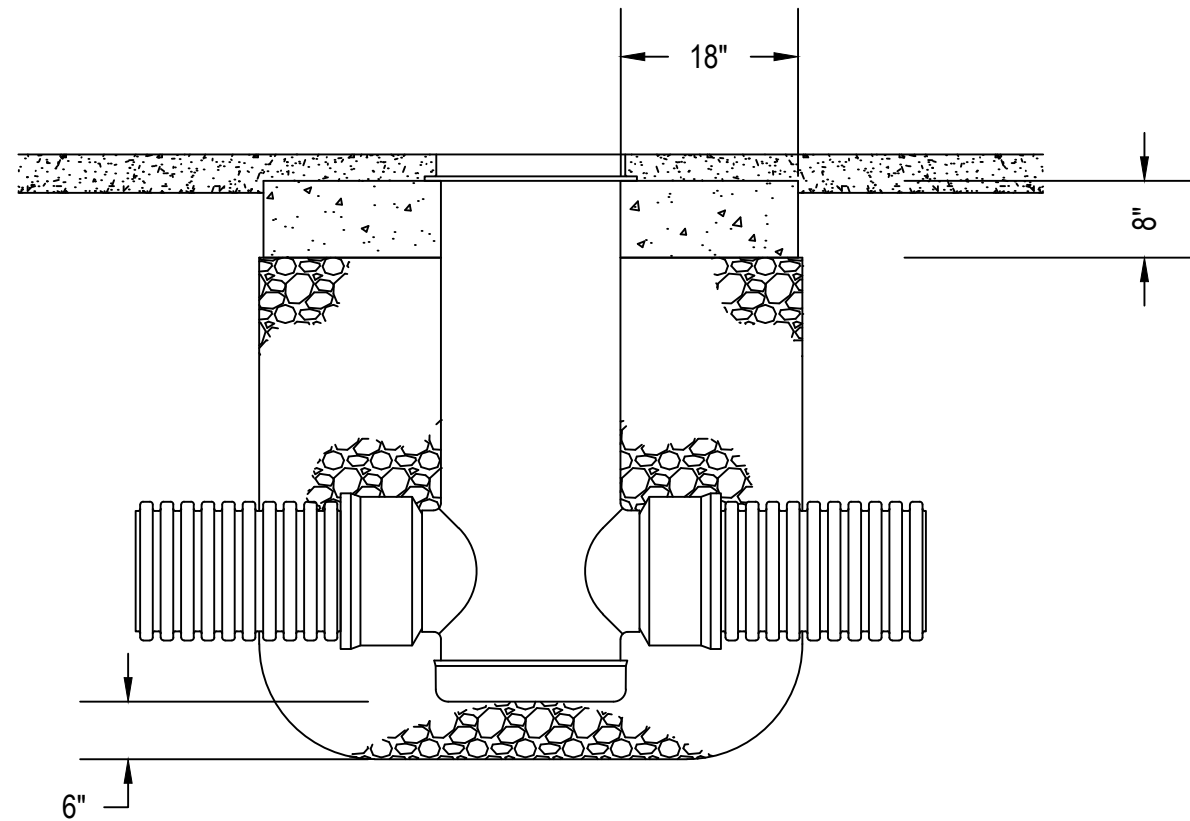
PLITKO ENGINEERING
ENGINEER - SURVEY - HYDROGRAPHIC
53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11-22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW:	RP
SHEET	C203

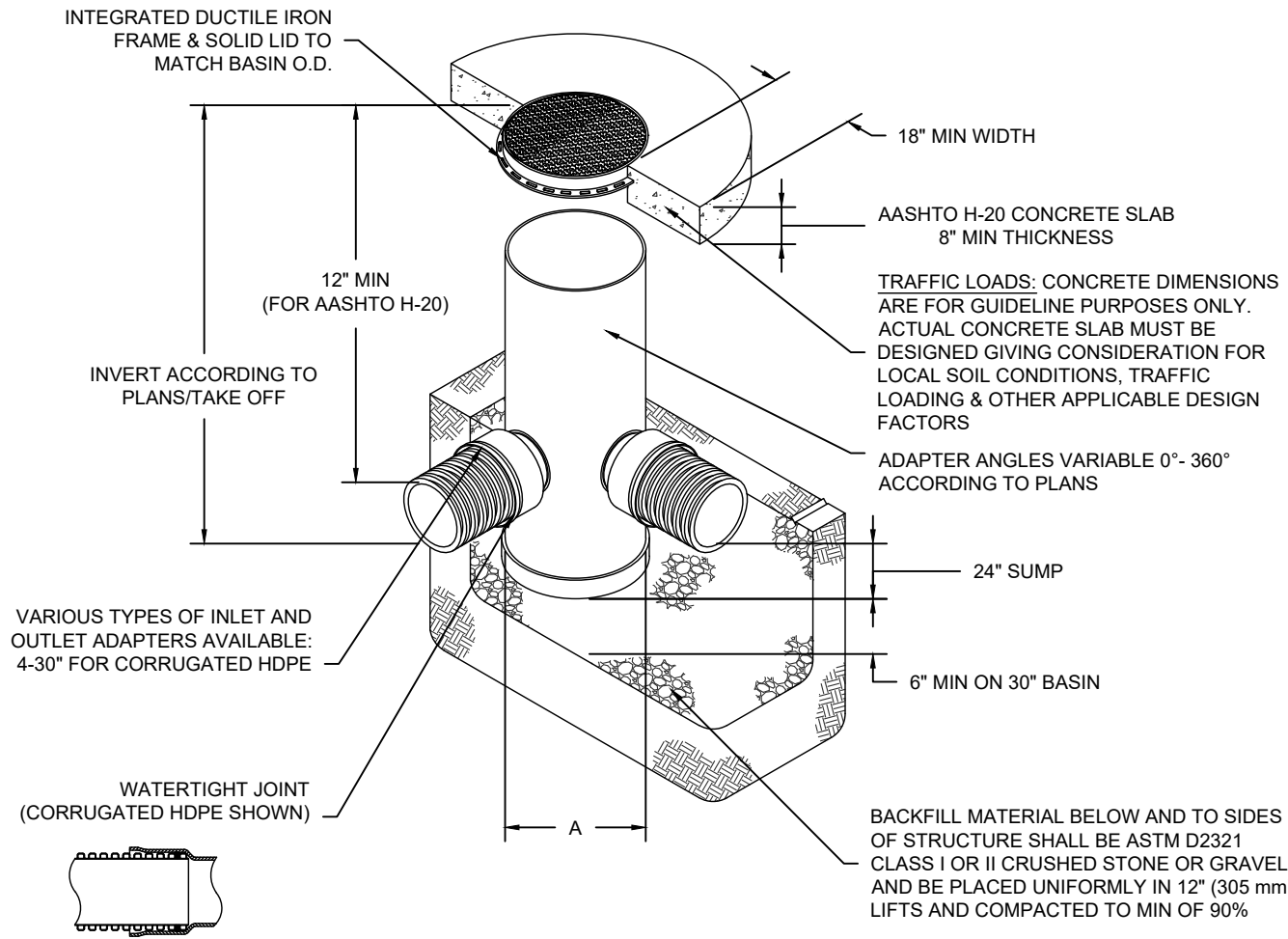




- 1 - THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
- 2 - TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

DRAIN BASIN FOR ASPHALT INSTALLATION

NTS



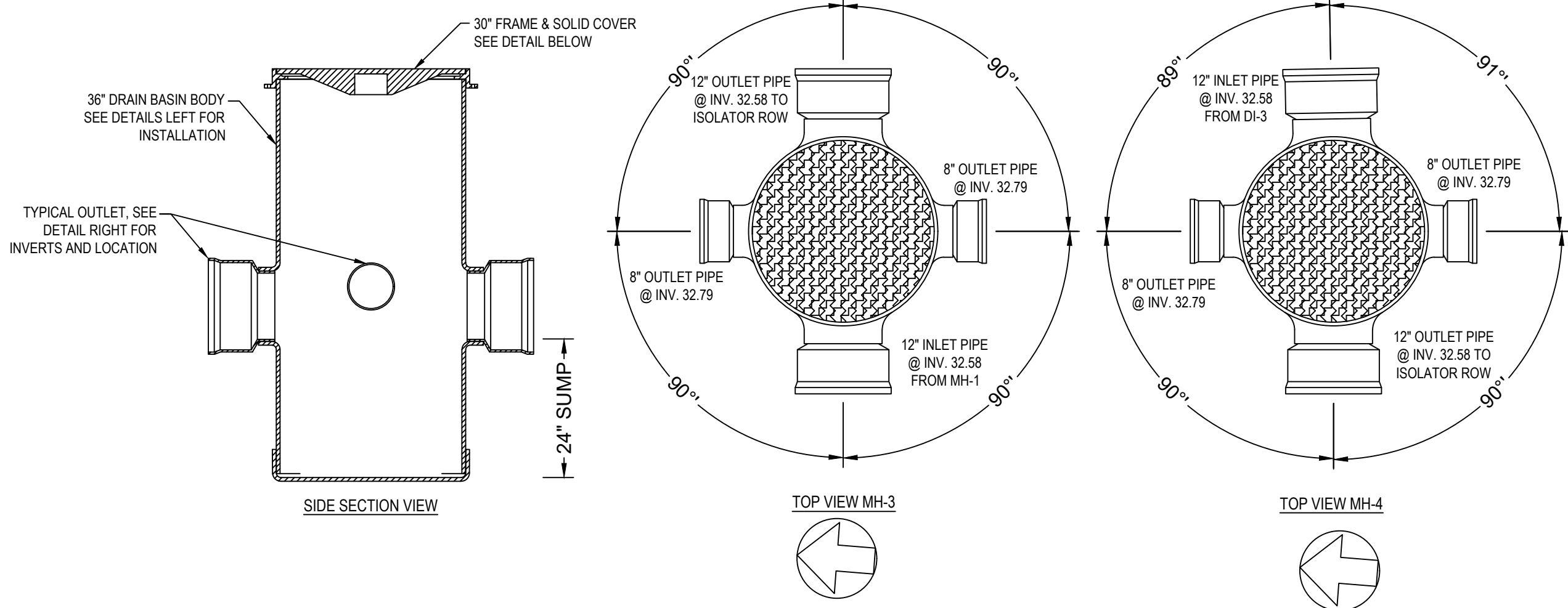
NOTES

1. 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOCK DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
6. TO ORDER CALL: 800-821-6710

A	PART #	GRATE/SOLID COVER OPTIONS		
		PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

TYPICAL DRAIN BASIN INSTALLATION

NTS



STORMTECH INLET STRUCTURE DETAILS

NTS

Section 2721

Engineered Surface Drainage Products

GENERAL

PVC surface drainage inlets shall include the drain basin type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

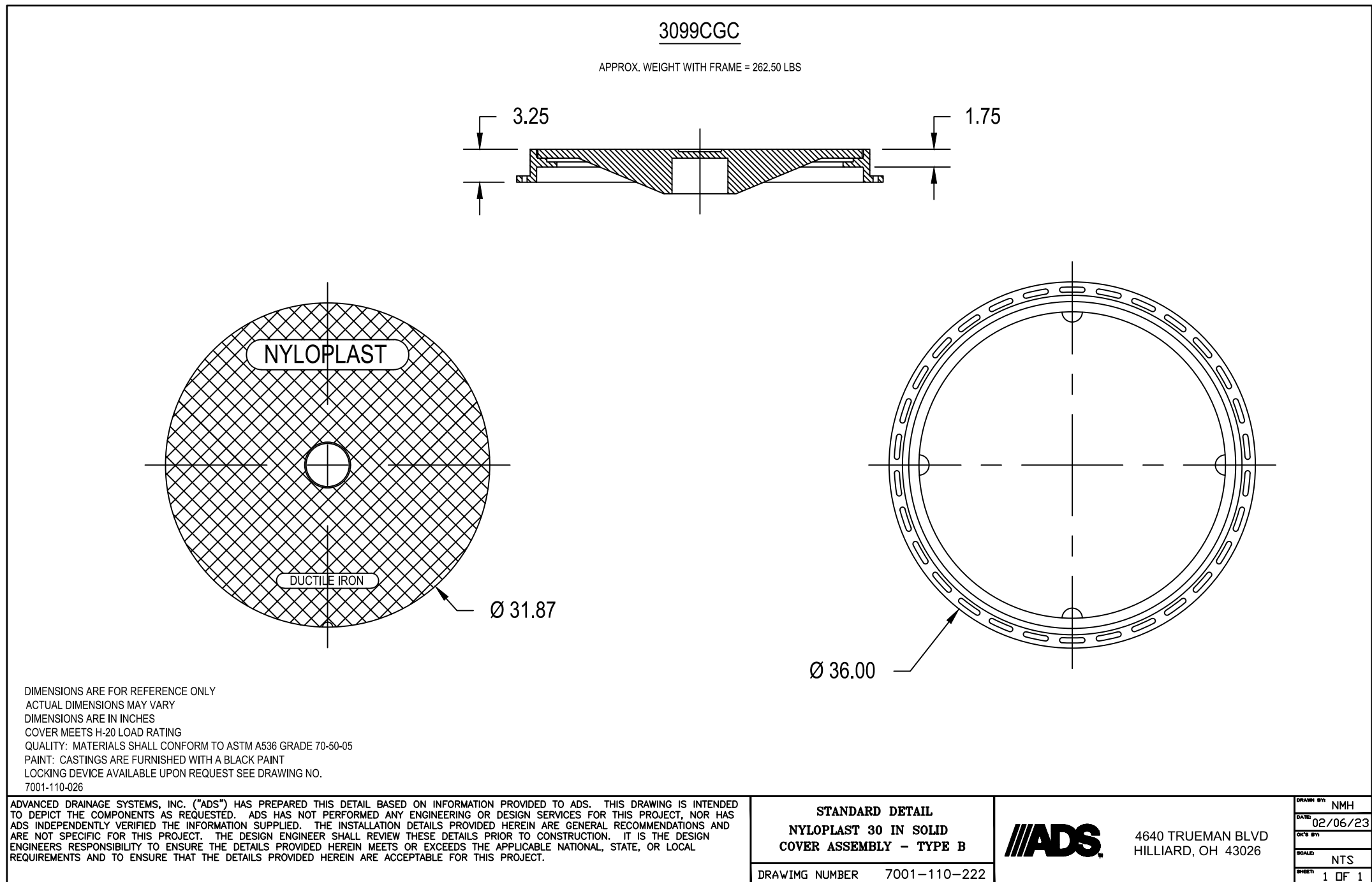
MATERIALS

The drain basins required for this contract shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to [ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals](#). The flexible elastomeric seals shall conform to [ASTM F477](#). The pipe bell spigot shall be joined to the main body of the drain basin or catch basin. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to [ASTM D1784 cell class 12454](#).

The grates and frames furnished for all surface drainage inlets shall be ductile iron for structure sizes 8", 10", 12", 15", 18", 24", 30" and 36" and shall be made specifically for each basin so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast. 12" and 15" square grates will be hinged to the frame using pins. Ductile iron used in the manufacture of the castings shall conform to [ASTM A536 grade 70-50-05](#). Grates and covers shall be provided painted black.

INSTALLATION

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in [ASTM D2321](#). Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with [ASTM D2321](#). The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For load rated installations, a concrete slab must be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to [ASTM D2321](#) guidelines.



STANDARD DETAIL			4640 TRUEMAN BLVD HILLIARD, OH 43026	OWNER BY	NMH
NYLOPLAST 30 IN SOLID COVER ASSEMBLY - TYPE B				DATE	02/06/23
DRAWING NUMBER 7001-110-222				DESIGN BY	NTS
				SHEET	1 OF 1

DATE	02/06/23
BY	NTS
CHK	1 OF 1

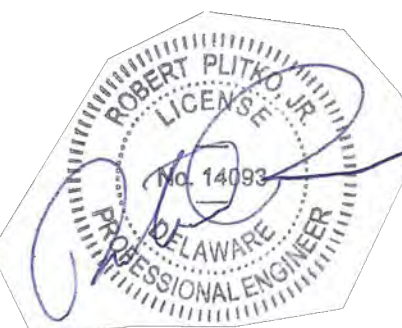
REVISIONS



ENGINEER - SURVEY - HYDROGRAPHIC

53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

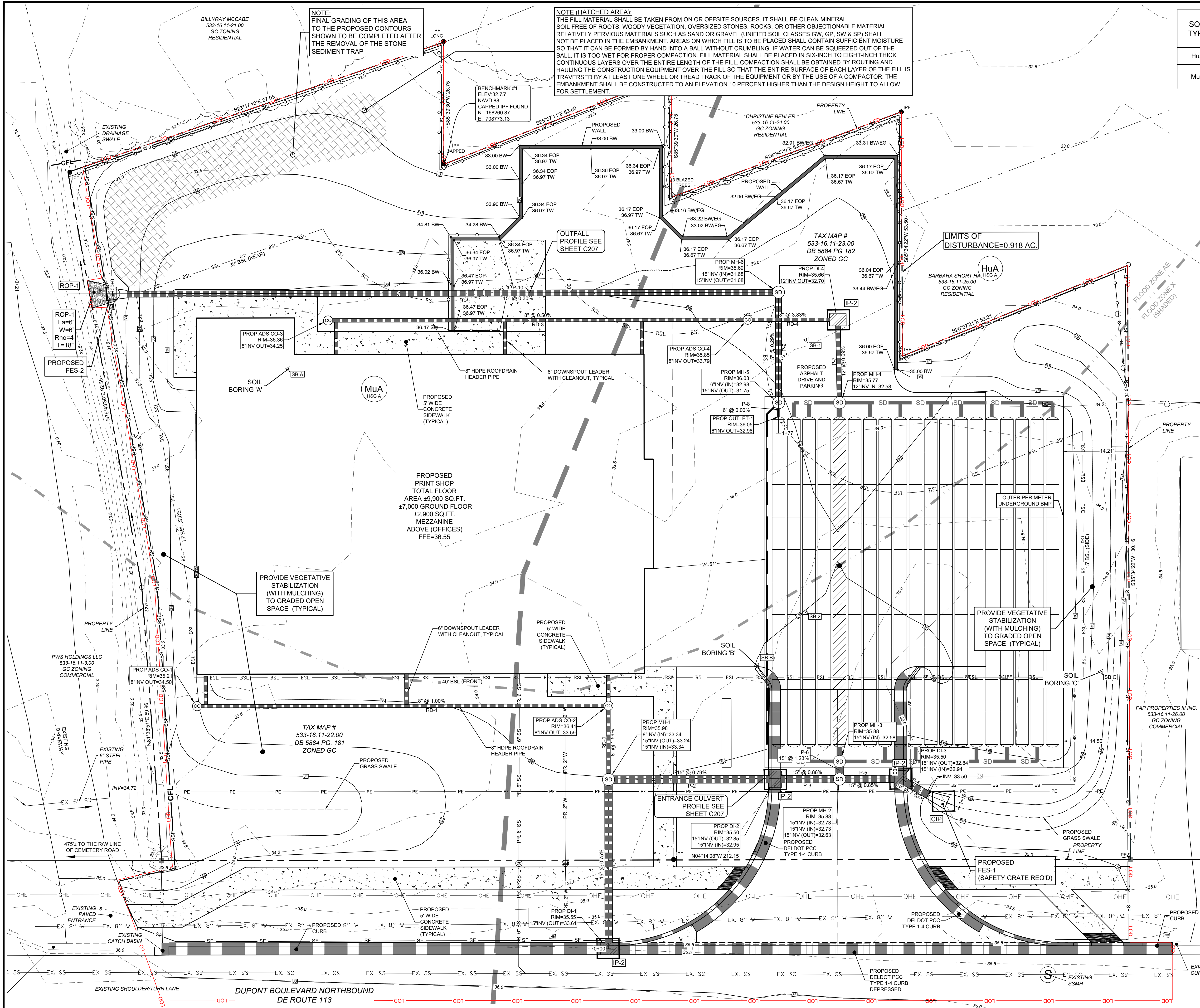
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PROJECT DATUM
HORIZONTAL: DE NAD 1983
VERTICAL: NAVD 1988

SITE PLAN:	DATE
DRAWING:	10/15/24
REVIEW:	RP
SHEET	

C205



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC SOIL GROUP RATING
HuA	HURLOCK LOAMY SAND, 0-2% SLOPES	A
MuA	MULLICA-BERRYLAND COMPLEX, 0 TO 2 PERCENT SLOPES	A

SOIL & SLOPE STABILIZATION NOTE:

APPLY SSM-1, NORTH AMERICAN GREEN S75 OR APPROVED EQUAL, TO THE FULL LENGTH OF THE PROPOSED SLOPES ON ALL BASINS, BERMS, AND CUT/FILL BANK AREAS.

TEMPORARY STABILIZATION SHALL CONFORM TO THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, SECTIONS 3.4.3, & 3.4.5. VEGETATIVE STABILIZATION AND MULCHING. USE MIX#4 (ANNUAL RYEGRASS) OR APPROVED EQUAL. REFER TO THE STORMWATER MANAGEMENT PLAN SHEETS FOR PERMANENT SEEDING GUIDELINES.

EXISTING CONDITIONS LEGEND	
	PROPERTY LINES
	RIGHT OF WAY
	PROPERTY LINE TO BE ABANDONED
	ADJOINING PROPERTY LINES
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	EXISTING CENTERLINE OF DITCH
	EXISTING TOP OF BANK
	BUILDING SETBACK LINE
	DEED PERMANENT EASEMENT
	EXISTING STORM CULVERT
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING TREELINE
	EXISTING BOUNDARY POINT
	EXISTING IP FOUND
	EXISTING IR FOUND
	SOIL BORING LOCATION
	SOIL MAP UNIT SYMBOL
	SOIL BOUNDARY LINE
PROPOSED CONDITIONS LEGEND	
	PROPOSED LOT LINES
	PROPOSED RIGHT OF WAY
	PROPOSED BUILDING SETBACK LINE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED RETAINING WALL
	PROPOSED CURB
	PROPOSED STORM PIPE
	PROPOSED STORM MANHOLE
	PROPOSED STORM MANHOLE
	PROPOSED STORM SEWER INLET
	PROPOSED FLARED END SECTION
E&S LEGEND	
	LIMIT OF DISTURBANCE
	SILT FENCE
	COMPOST FILTER LOG
	RIP RAP OUTLET PROTECTION - 1
	INLET PROTECTION TYPE 2
	CULVERT INLET PROTECTION

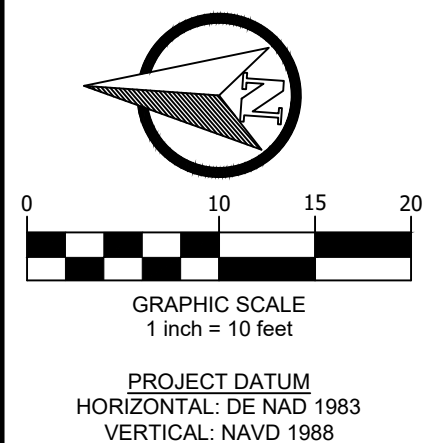
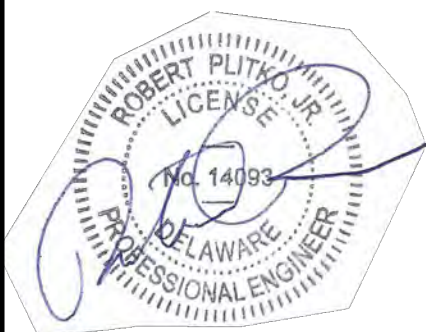
REVISIONS

PLITKO ENGINEERING

ENGINEER - SURVEY - HYDROGRAPHIC

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Phone (302)-537-1919

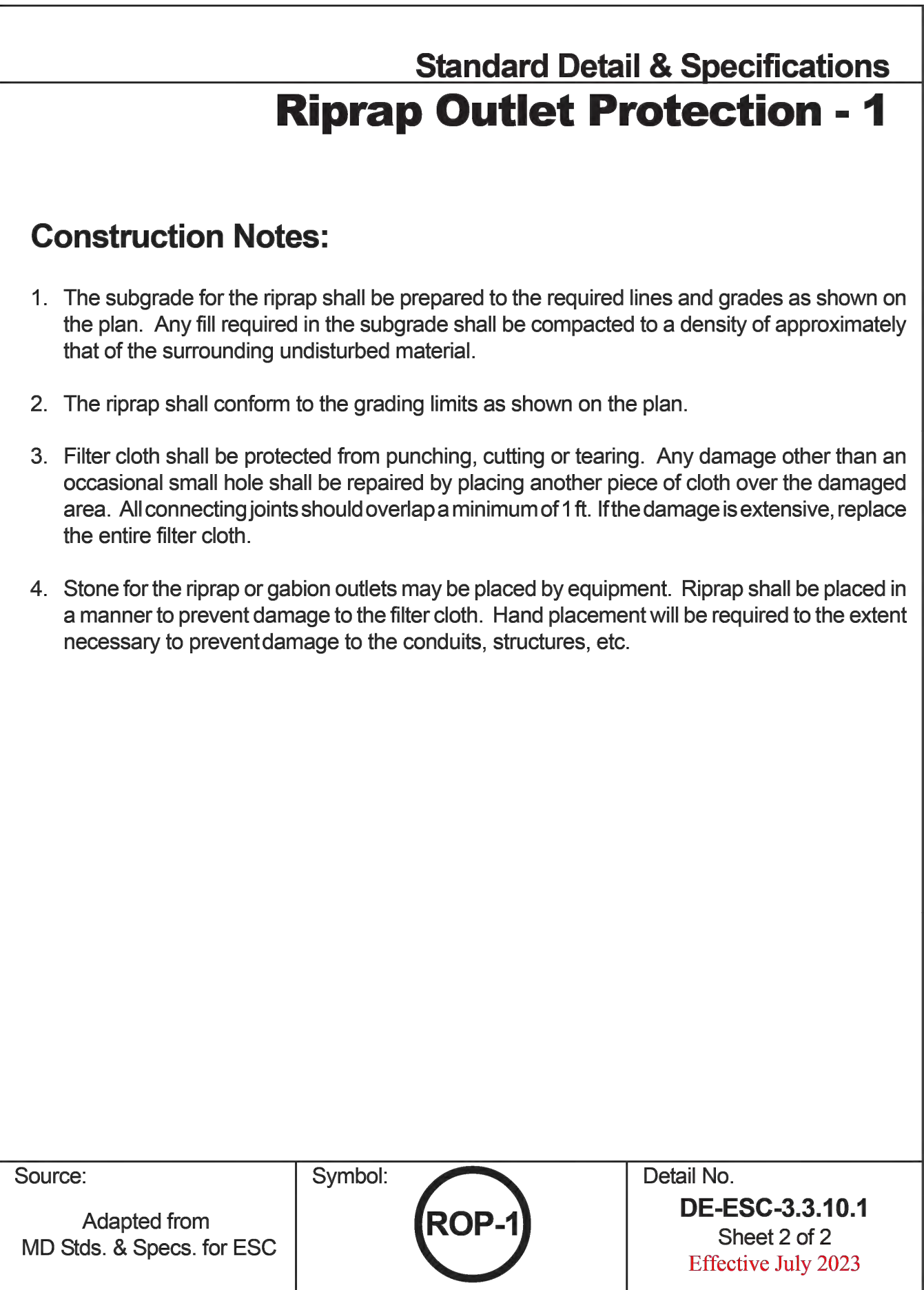
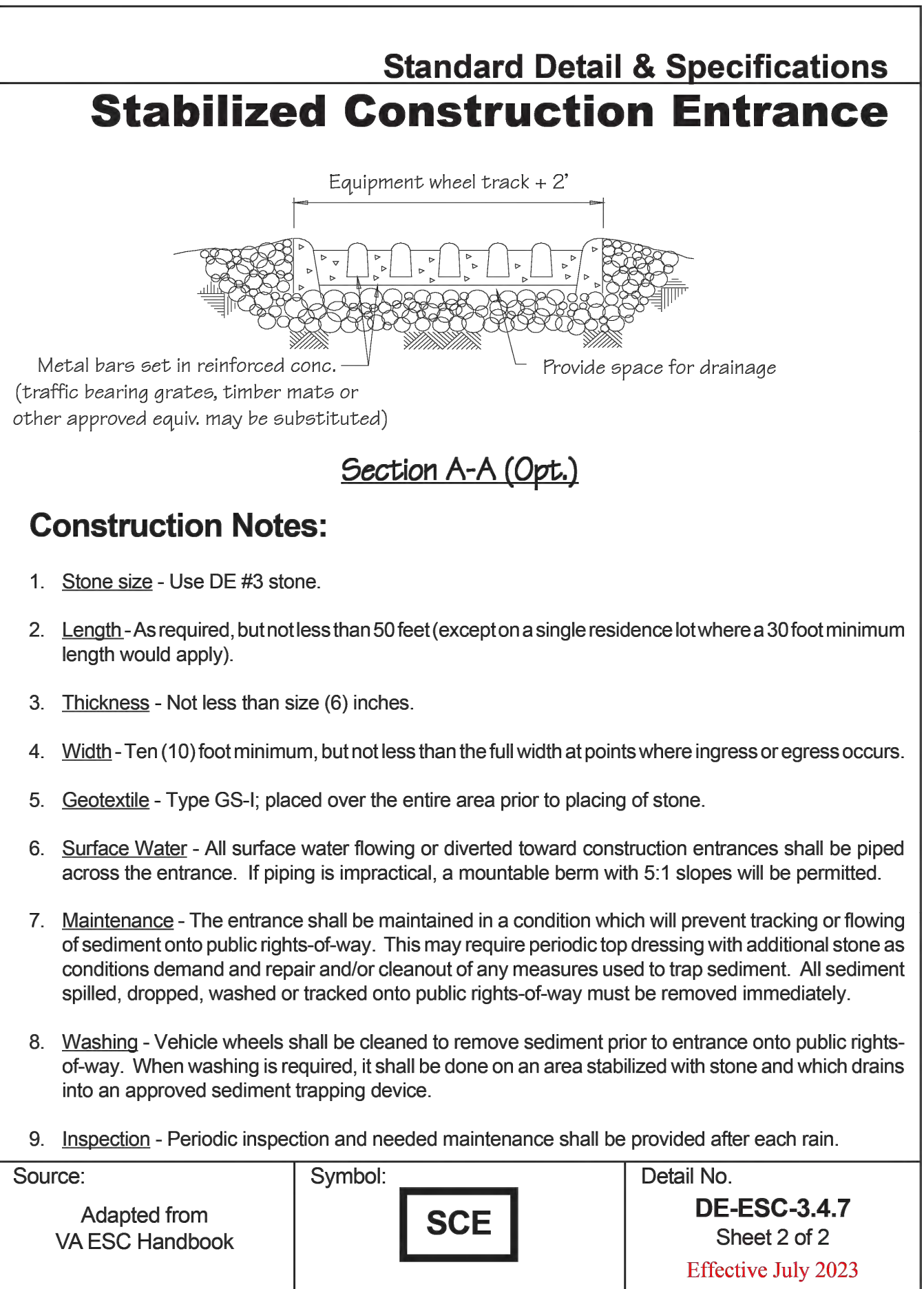
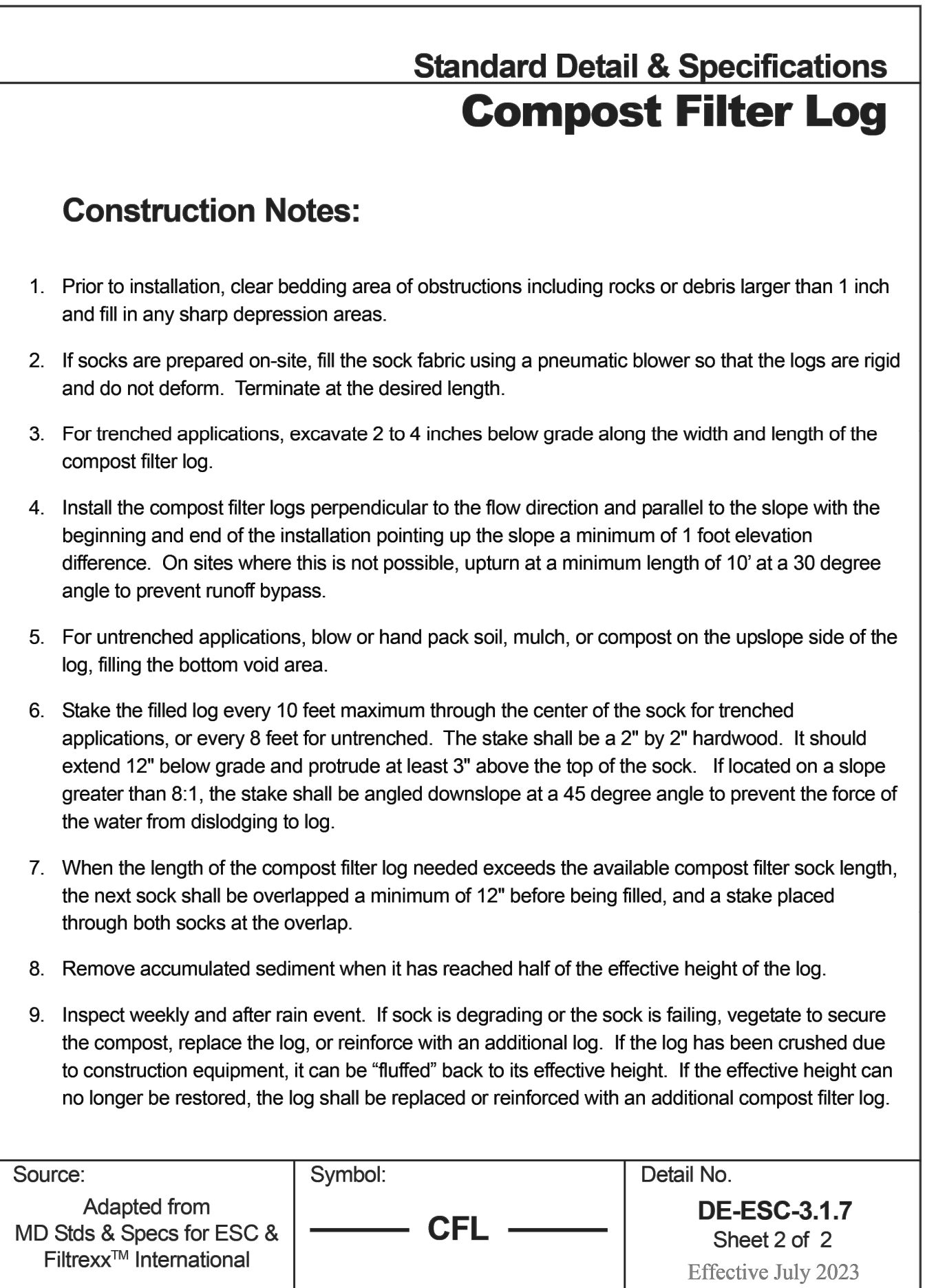
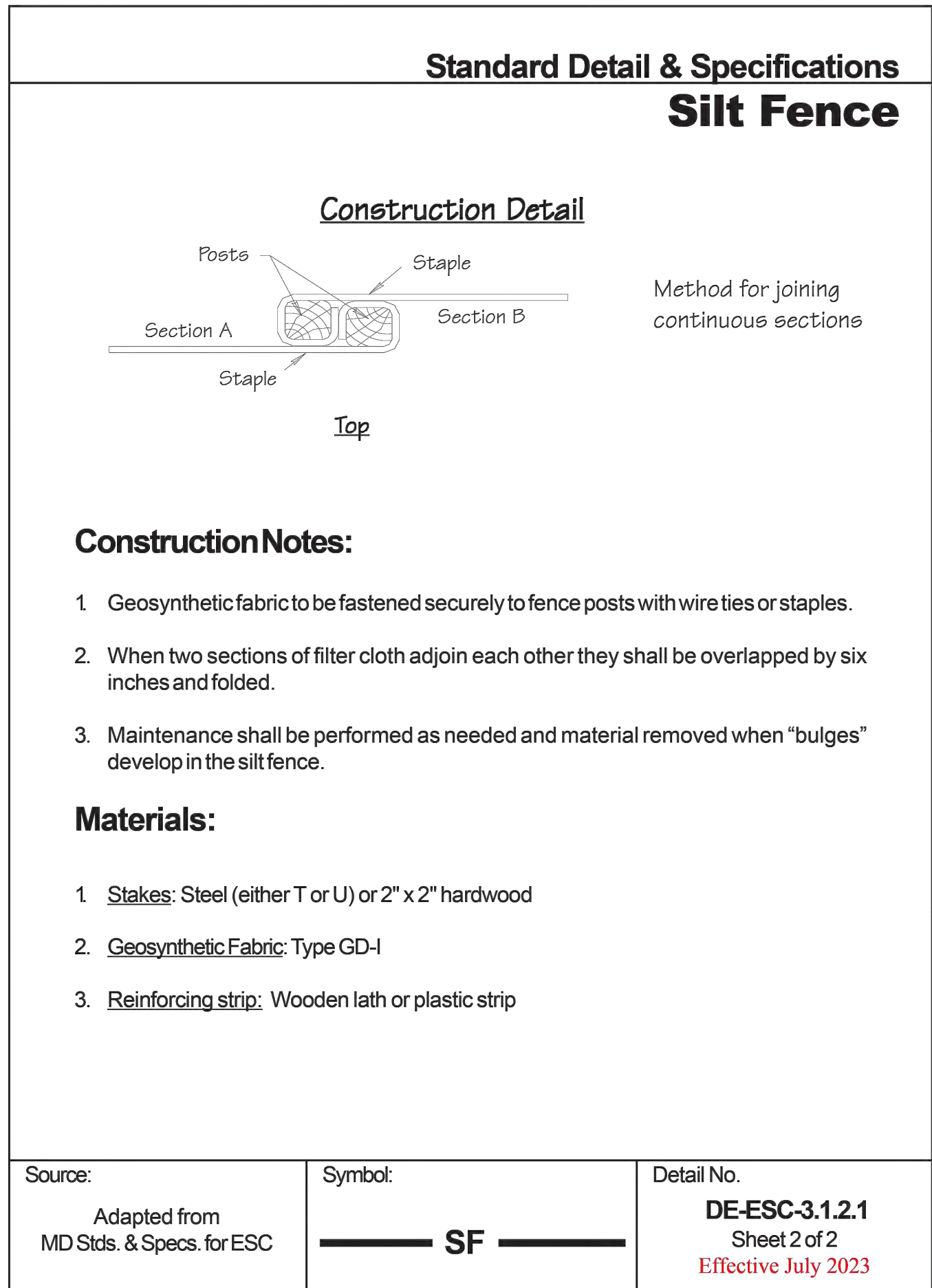
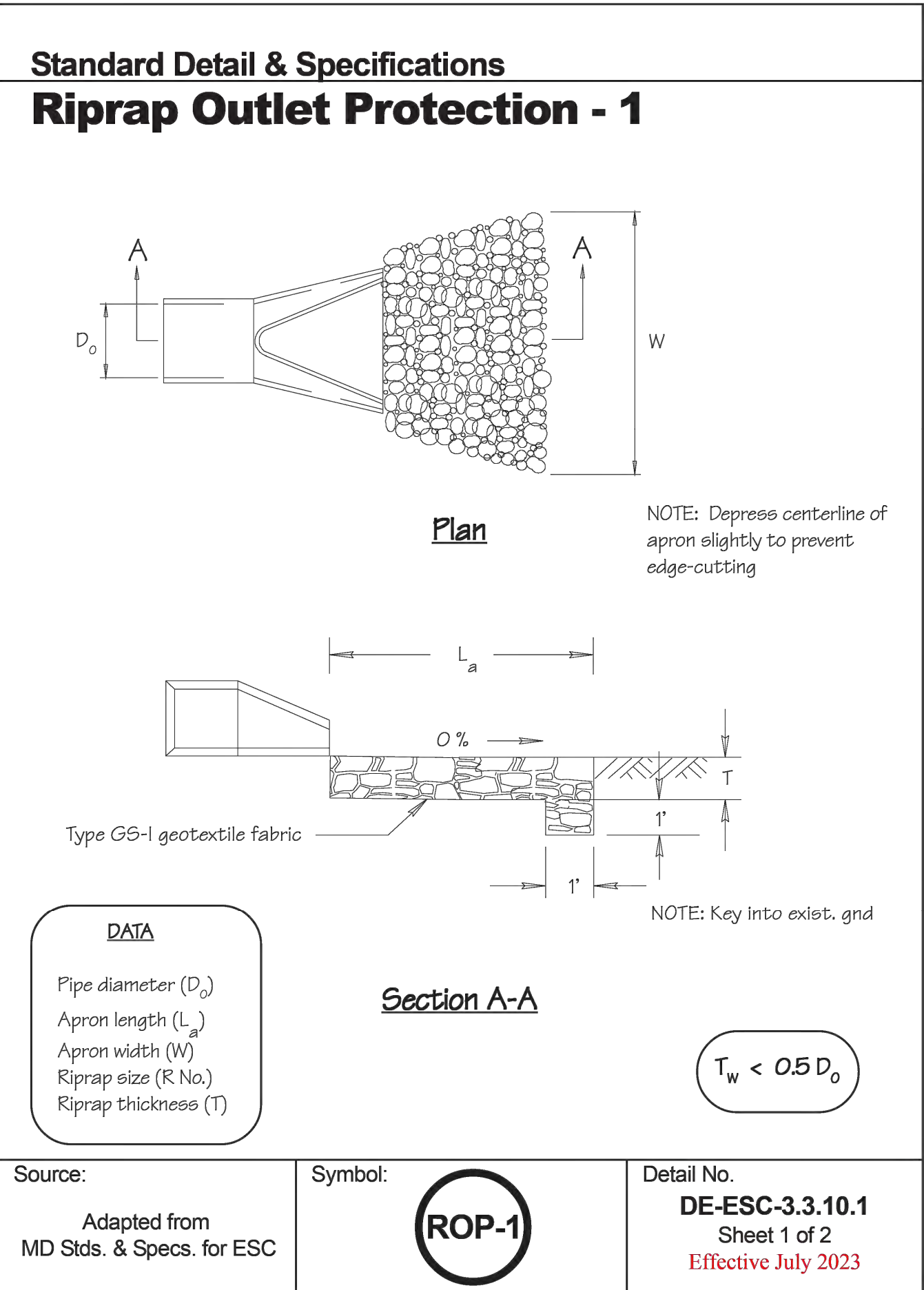
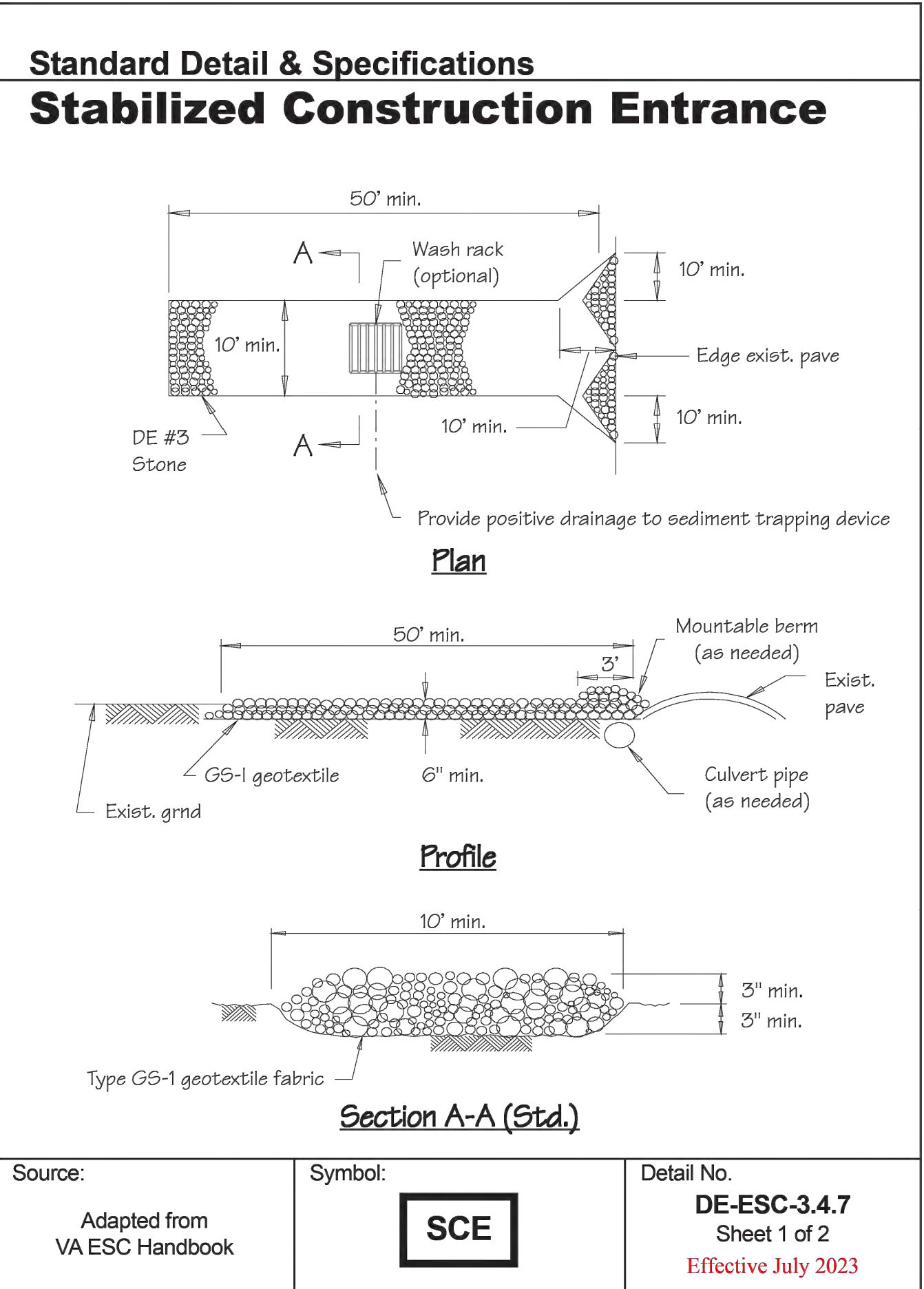
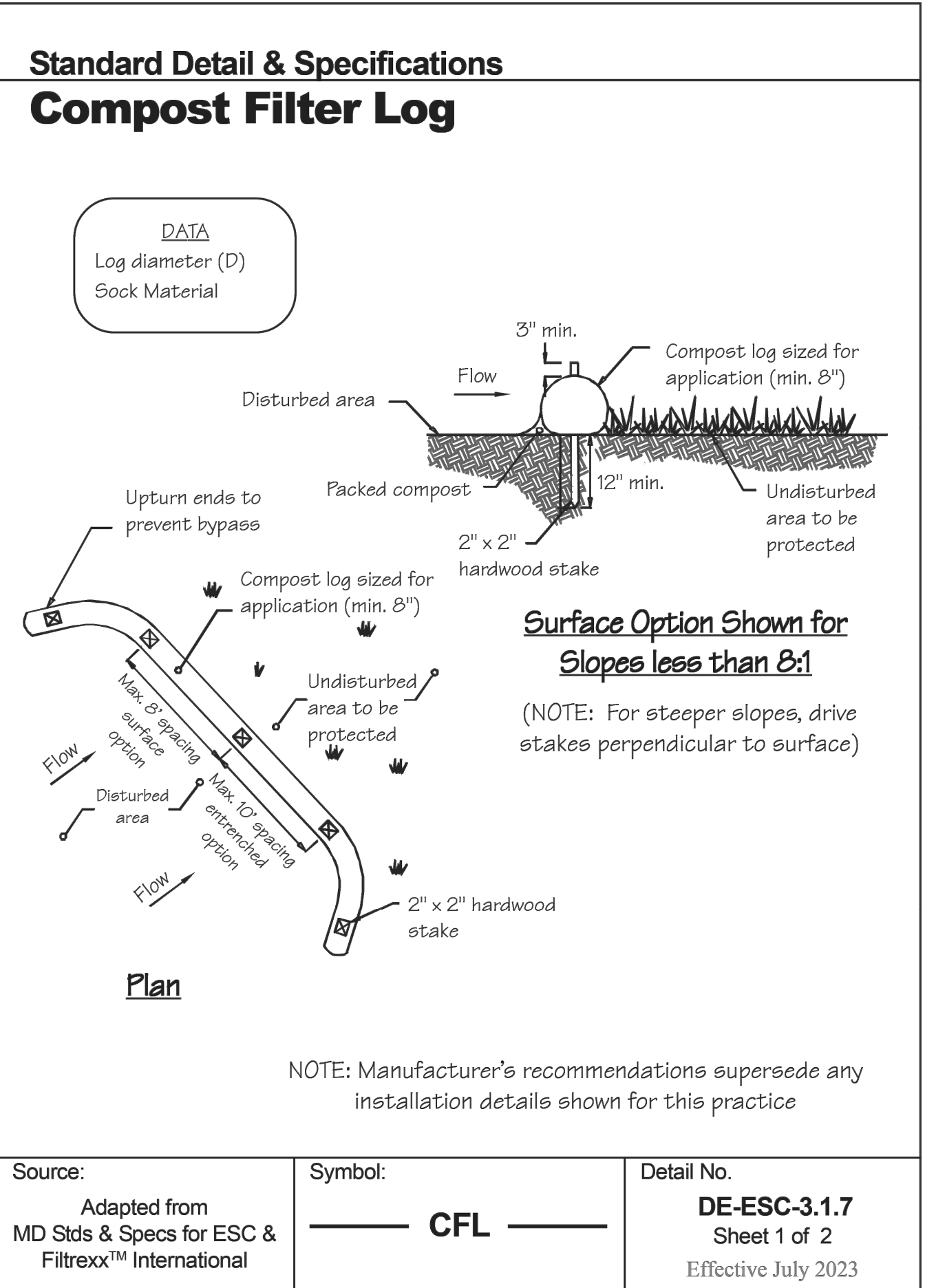
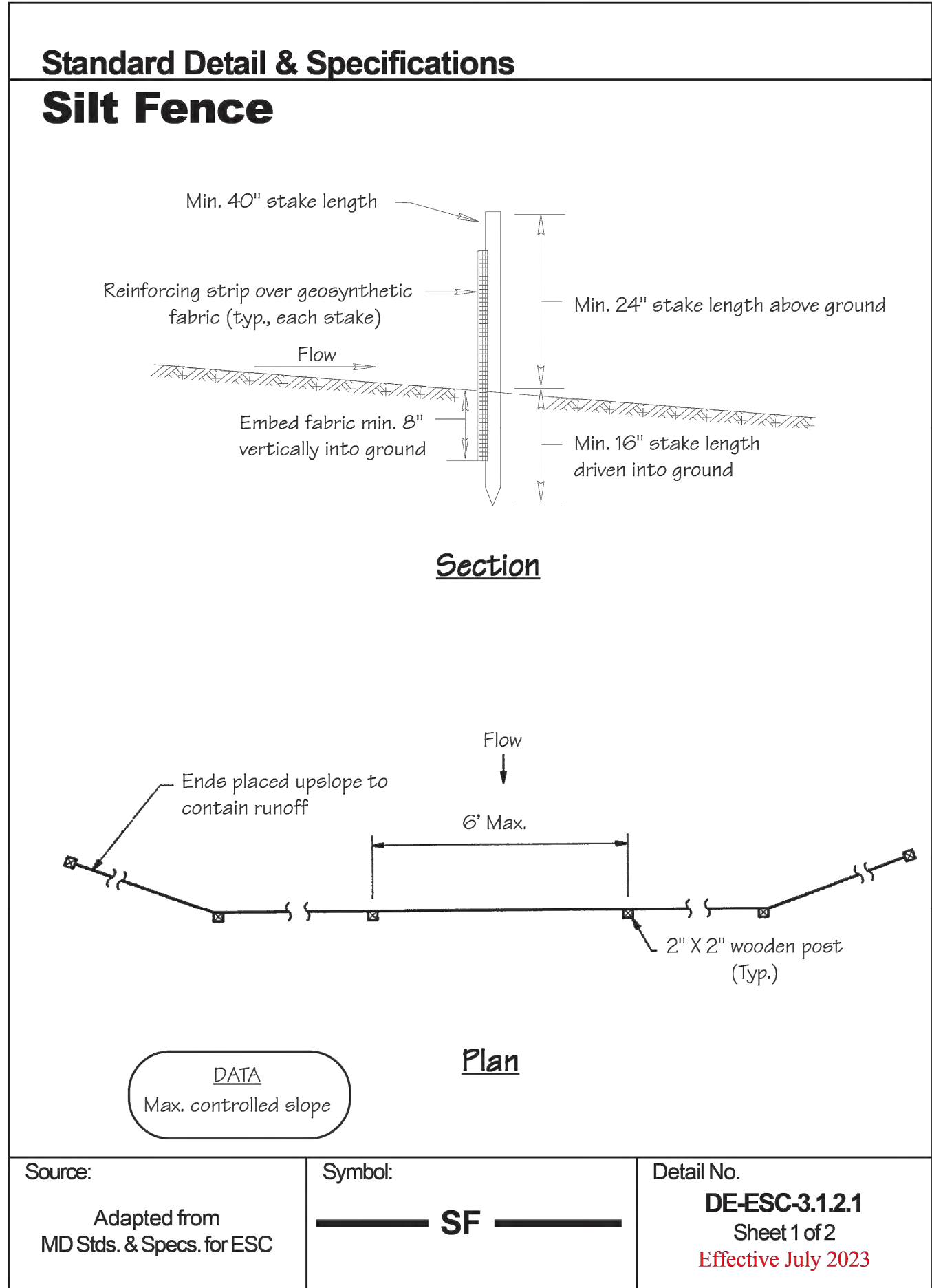
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MANAGEMENT PLANS
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DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



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DRAWING:	10/15/24
REVIEW:	RP
SHEET	

C206

POST-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN

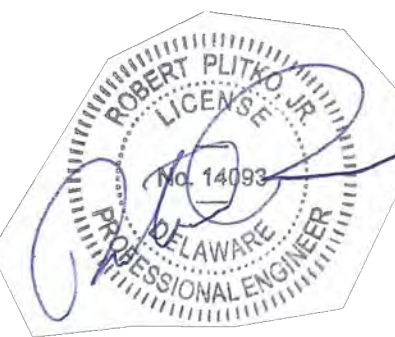


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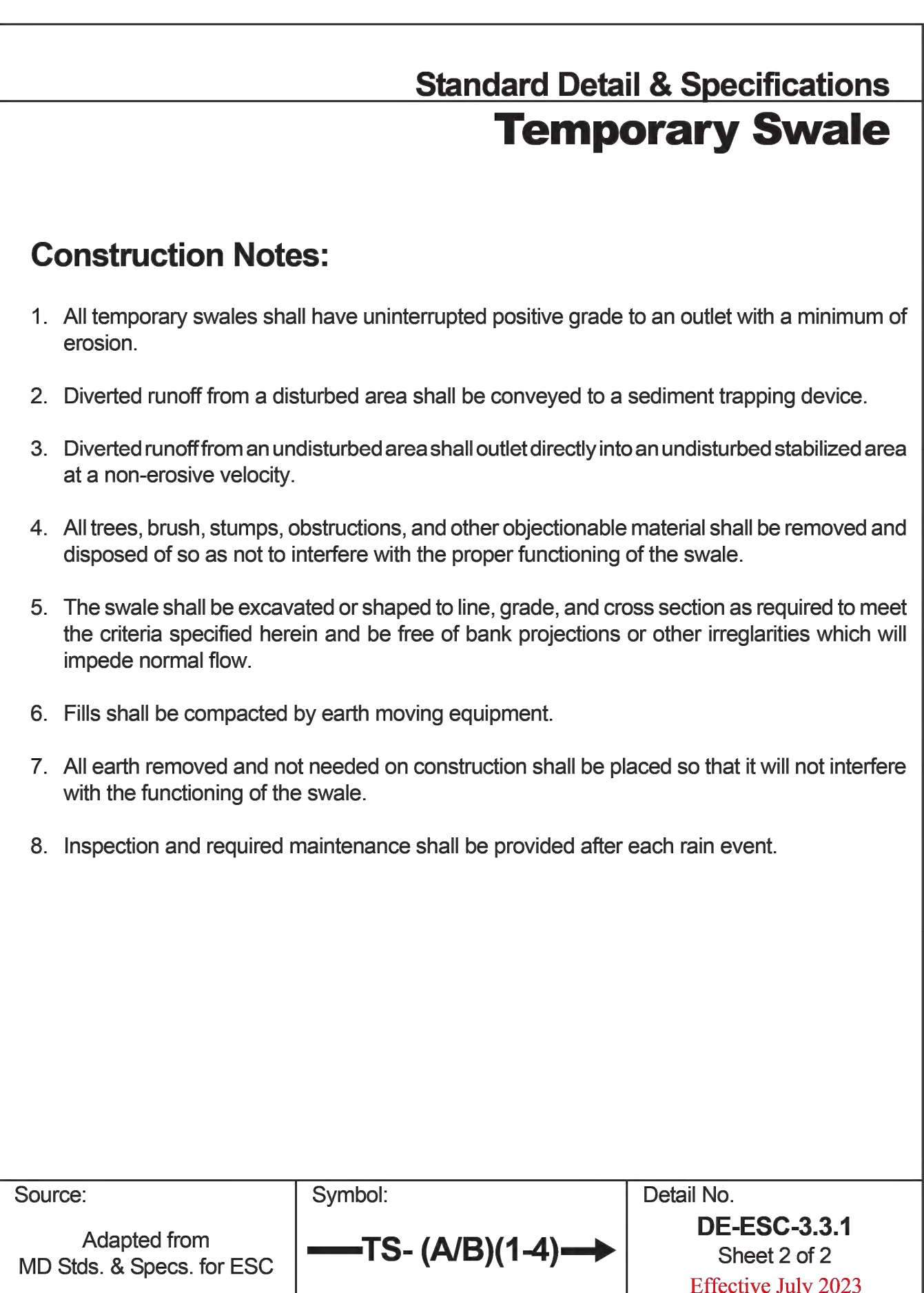
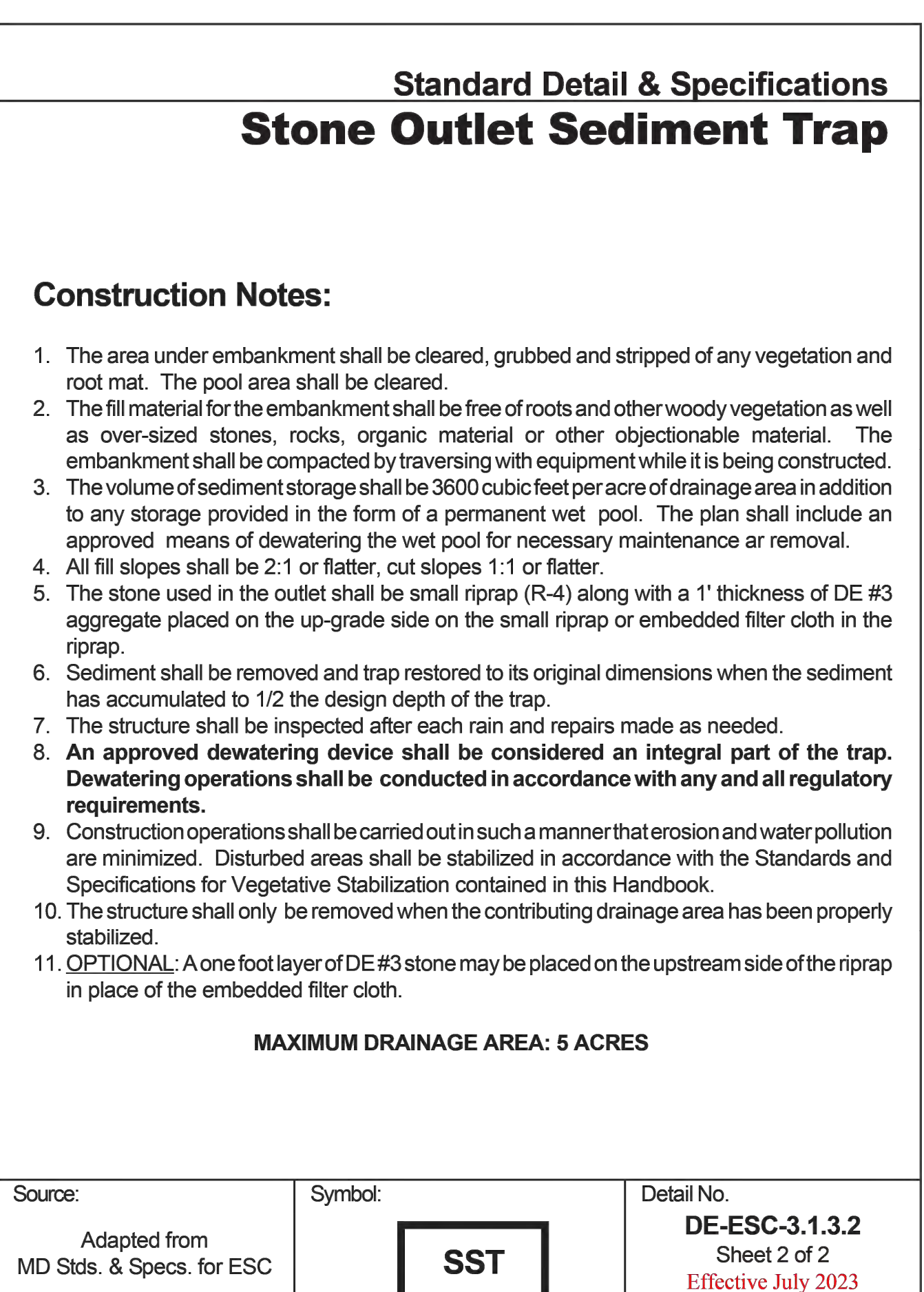
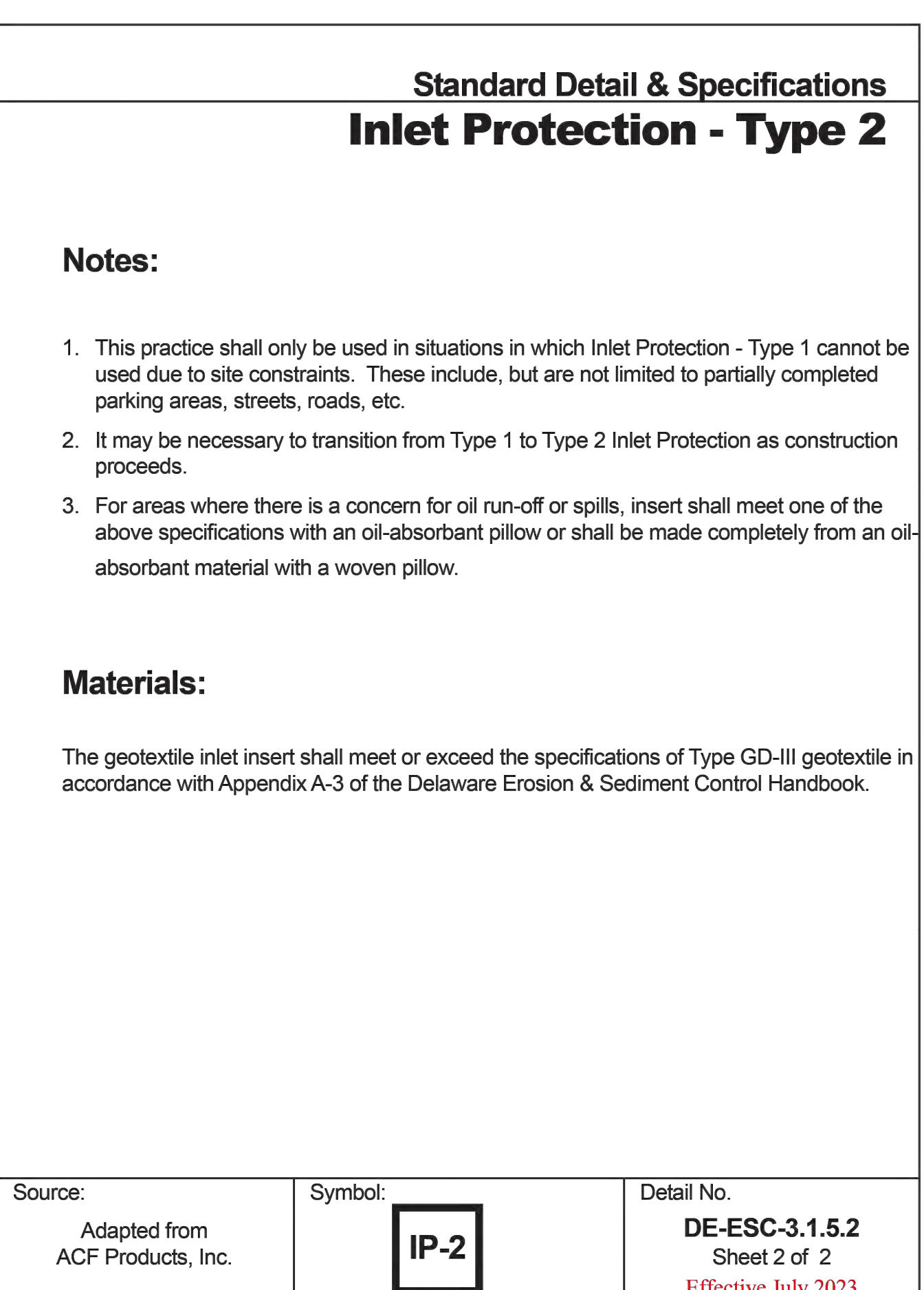
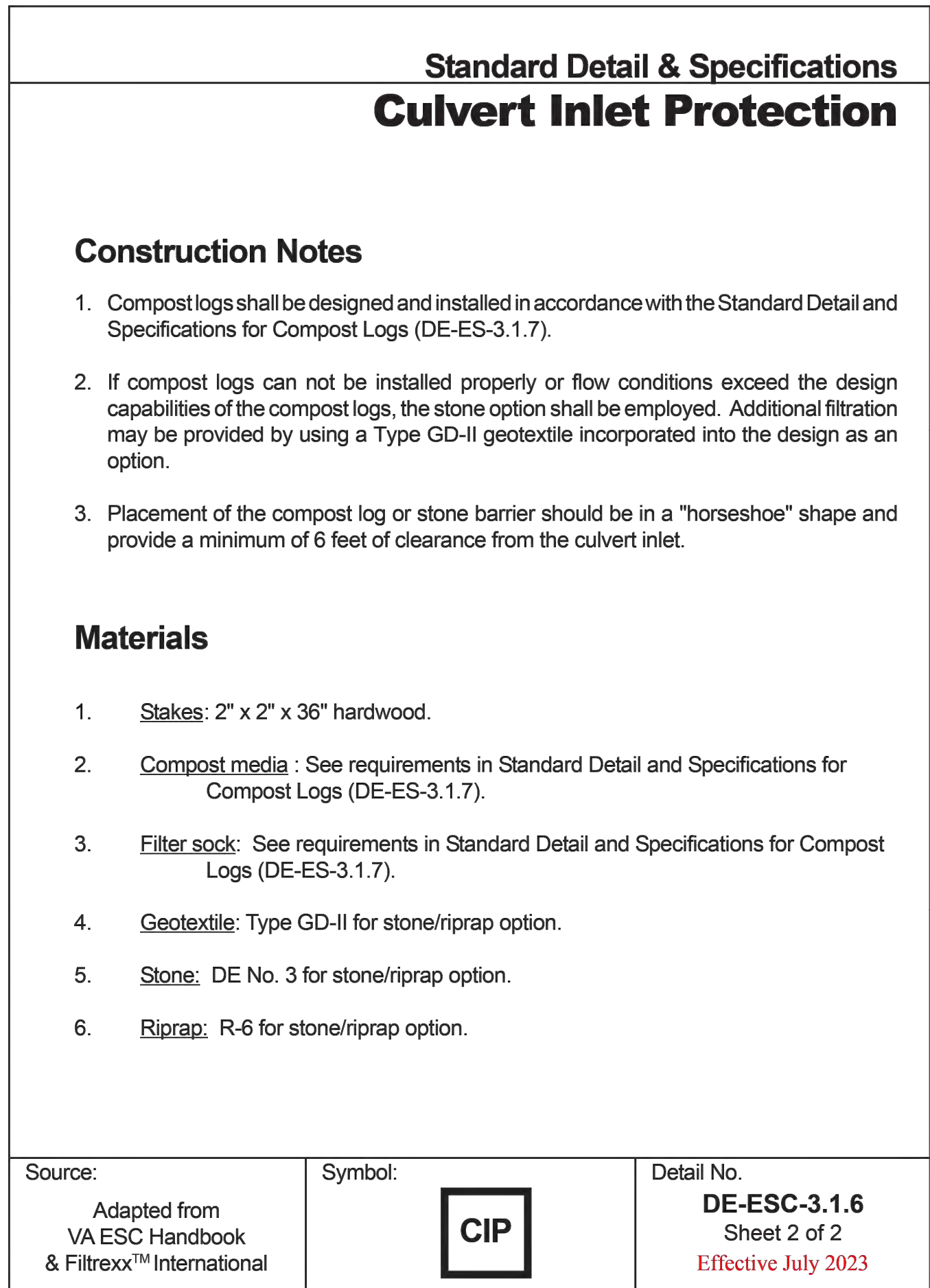
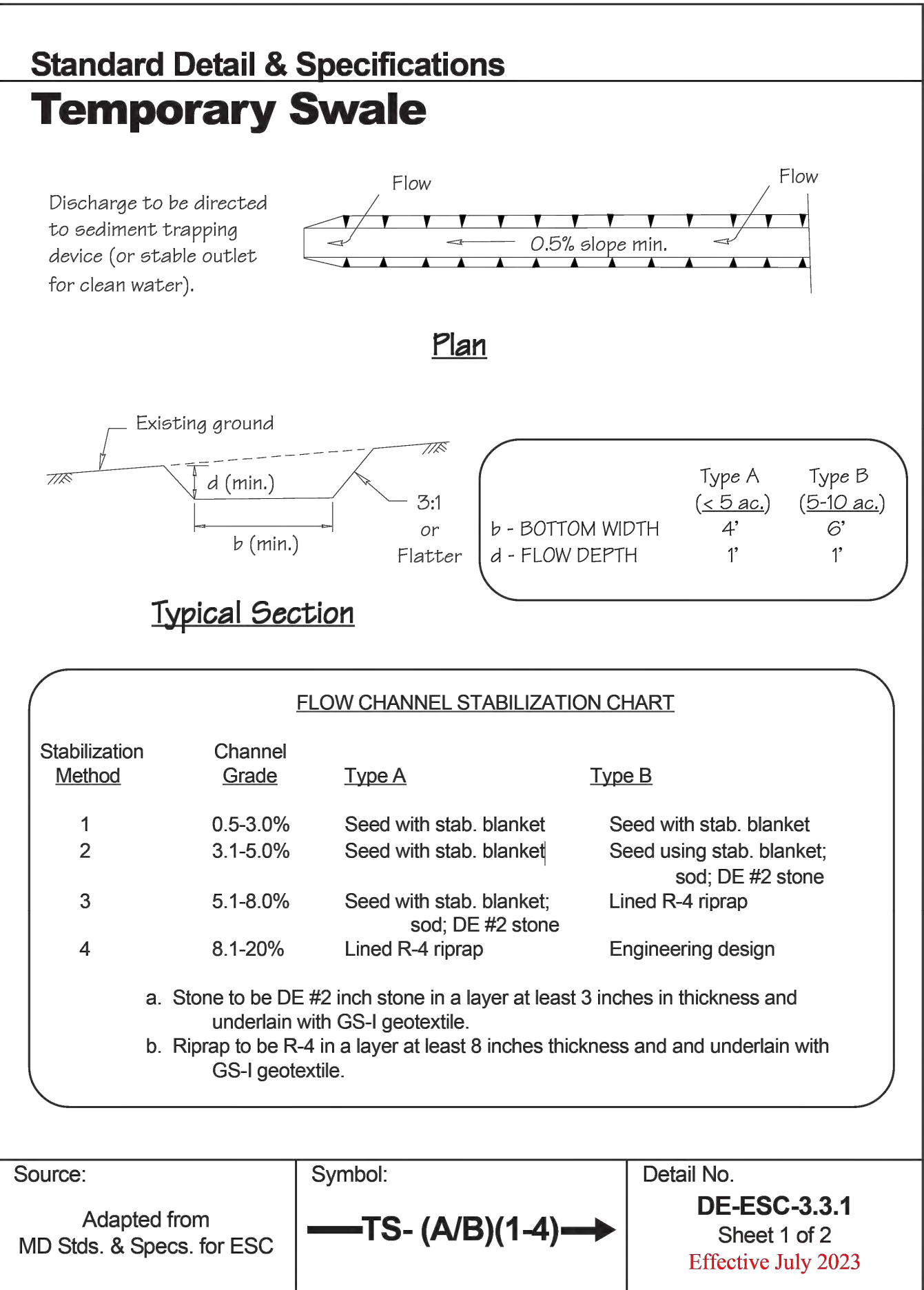
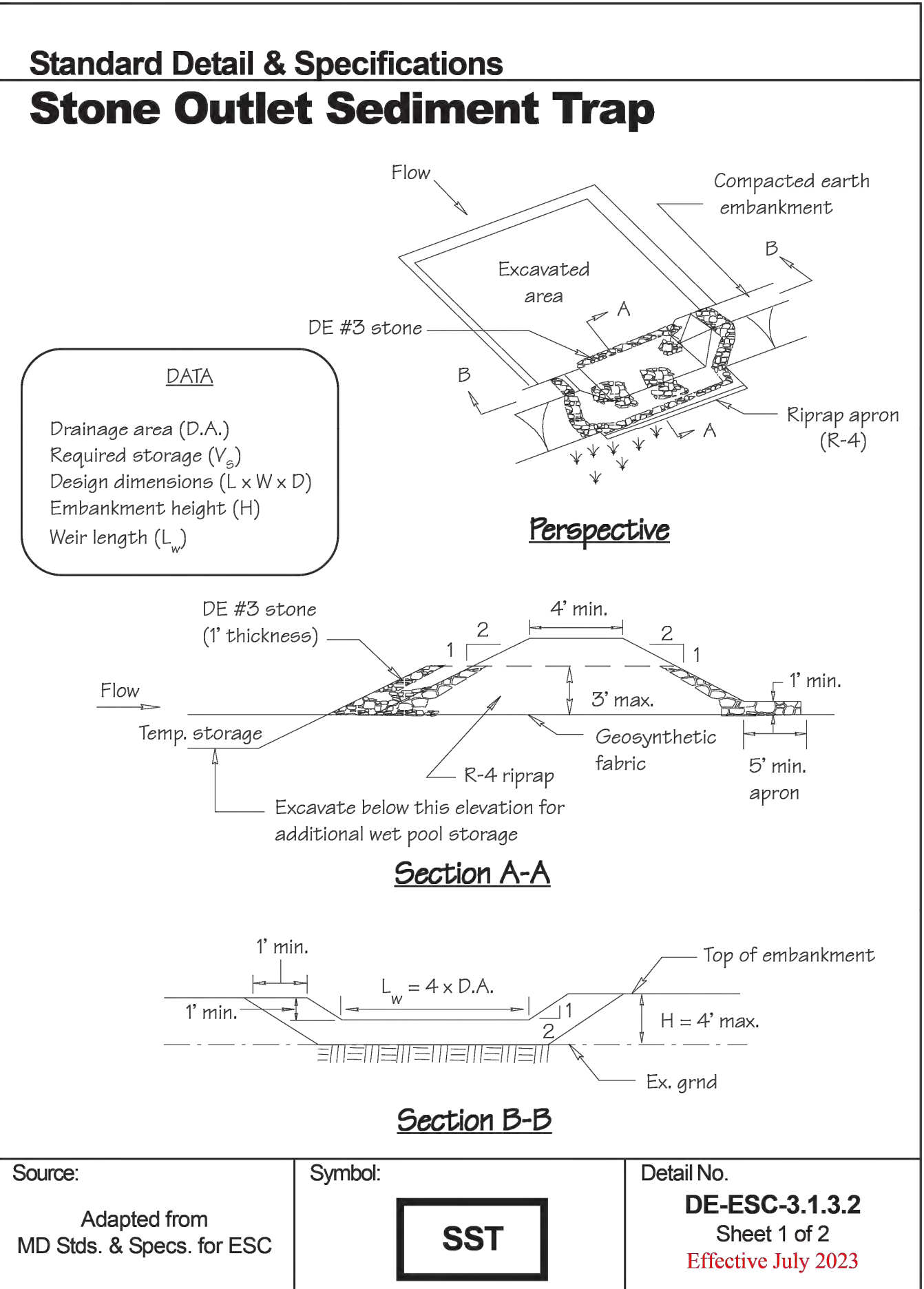
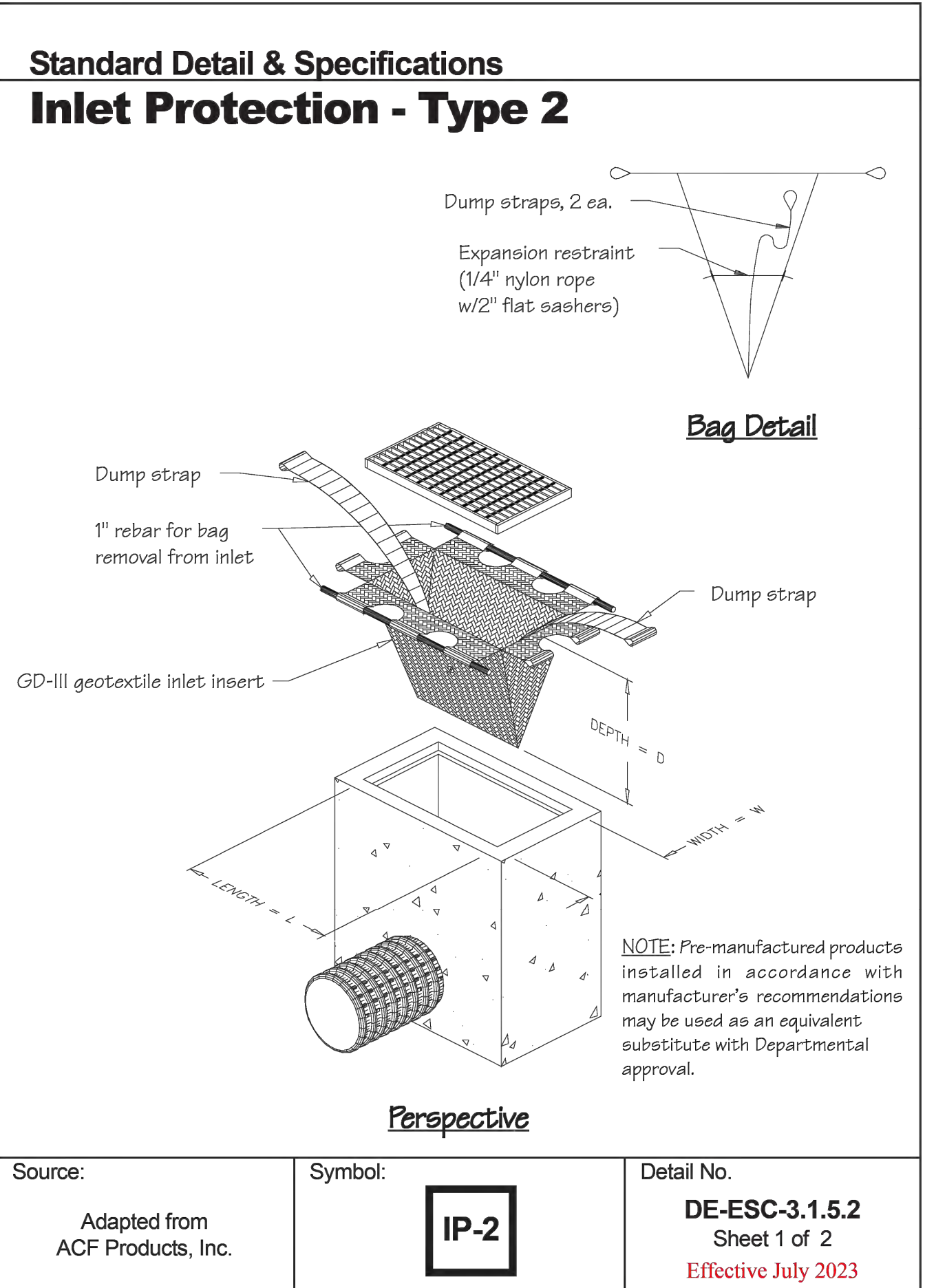
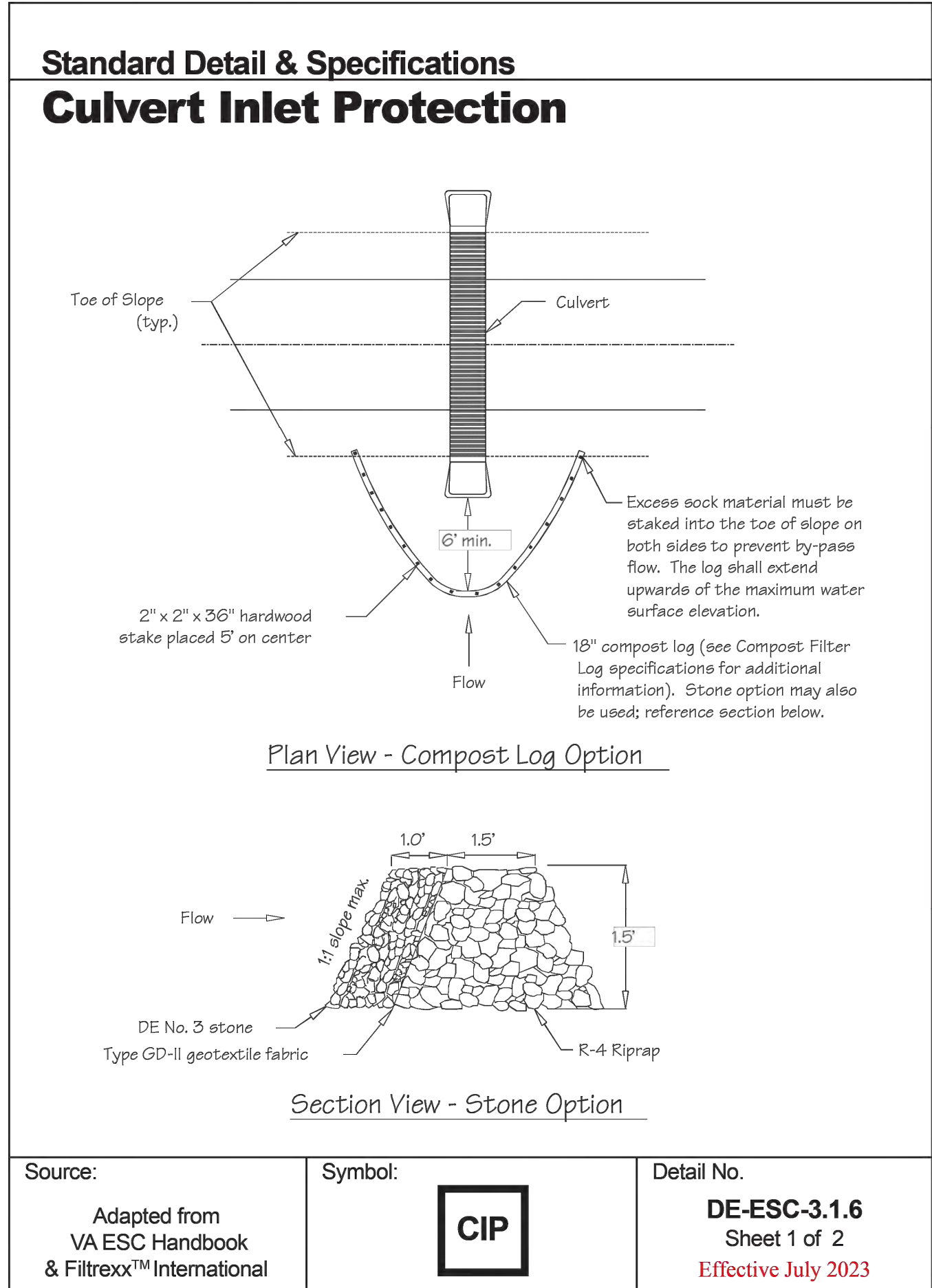
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SITE PLAN:
DRAWING:
REVIEW: RP

DATE
10/15/24

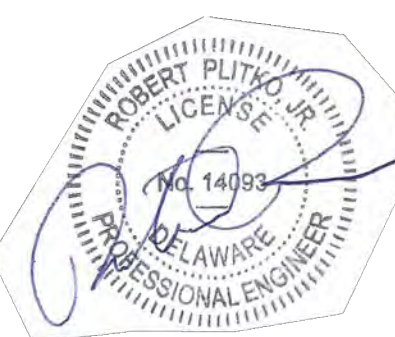


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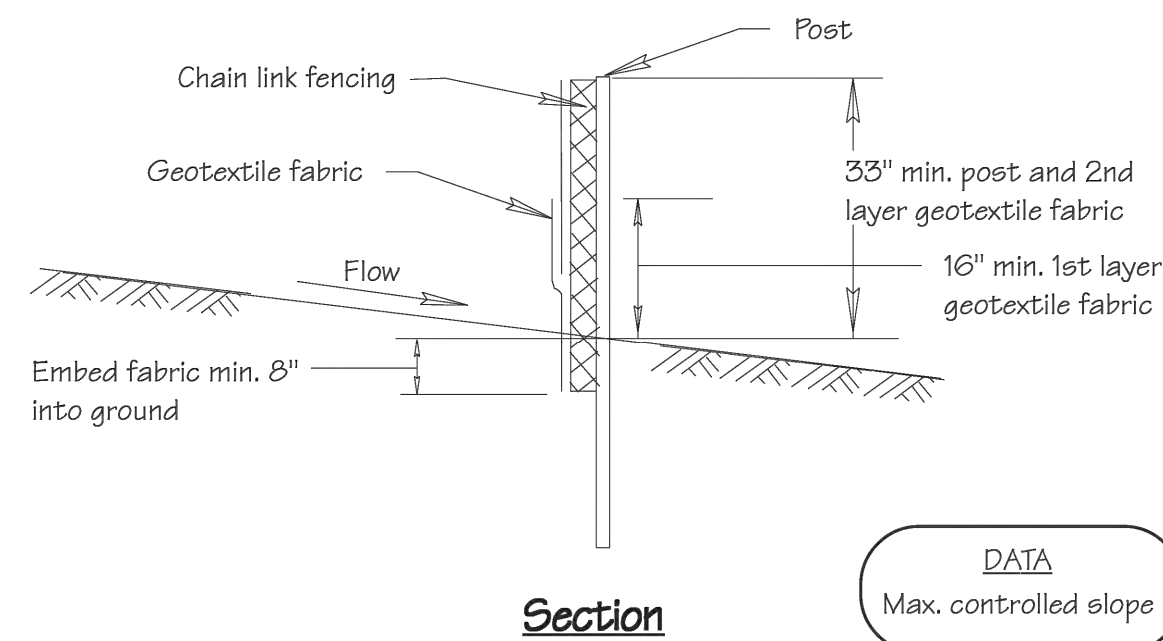
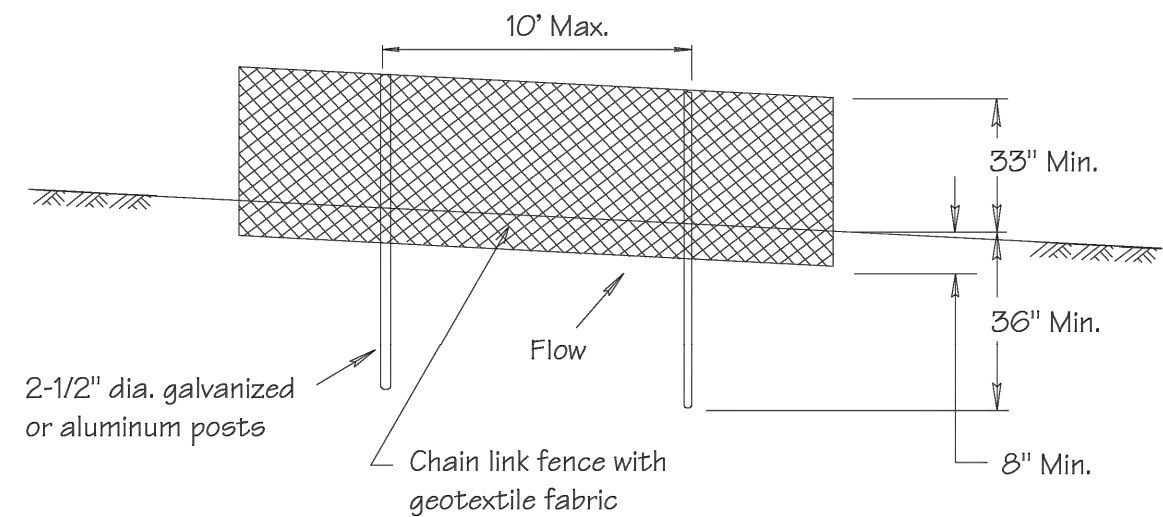
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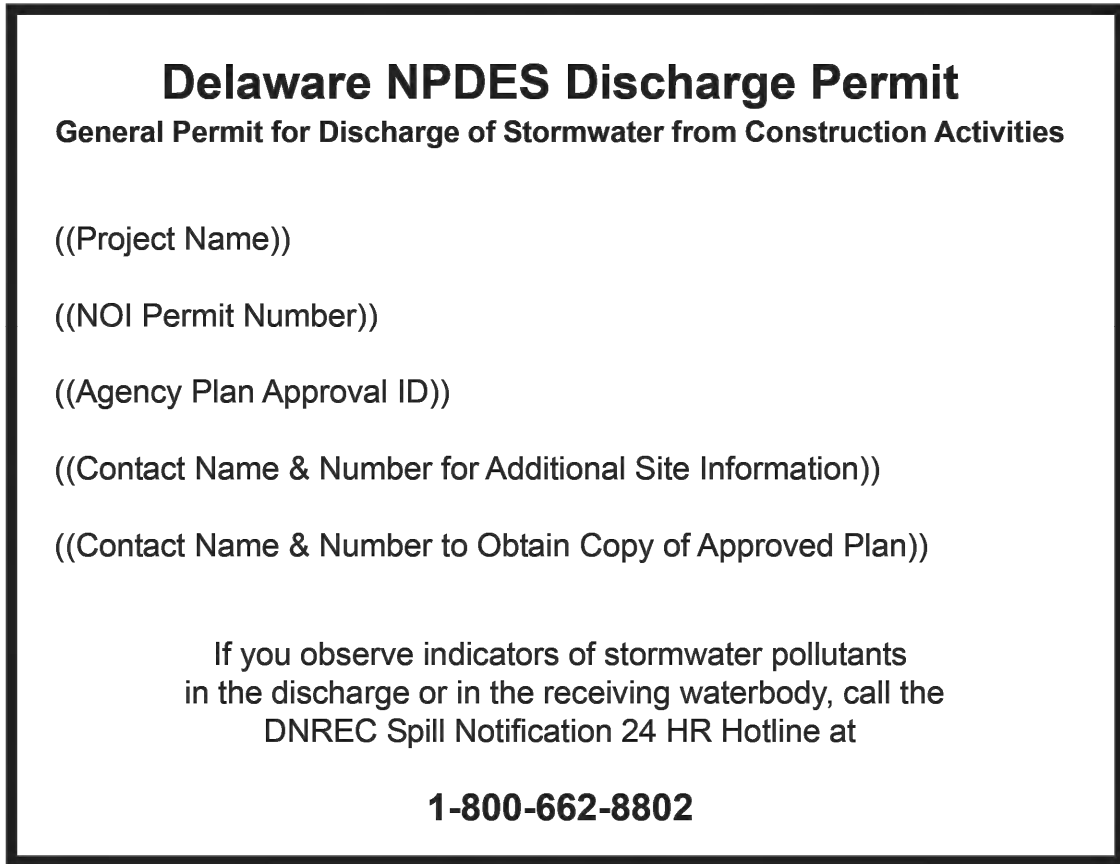
SHEET
C209

Standard Detail & Specifications
Super Silt Fence



Source:	Symbol:	Detail No.
Adapted from MD Stds. & Specs. for ESC	SSF	DE-ESC-3.1.2.3 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention



Example Construction General Permit (CGP) Signage

NOTES:

1. Minimum sign size 2' x 2'
2. Minimum text size 1"
3. Sign must be posted at a safe, publicly accessible location close to construction site
4. Sign must be visible from the public road nearest the active construction site
5. Signs posted within a DelDOT or other public road right-of-way (ROW) must be in accordance with all local and/or State requirements in regards to safety, location, orientation, etc.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.6.1 Sheet 1 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

- d. Dispose of all trash in accordance with all applicable Delaware laws.
 - e. Littering is strictly prohibited. Trash cans should be placed at all lunch spots and recycle bins should be placed near the construction trailer.
 - f. If fertilizer bags can not be stored in a weather-proof location, they should be kept on a pallet and covered with plastic sheeting which is overlapped and anchored.
4. Equipment maintenance practices
- a. If possible, equipment should be taken to off-site commercial facilities for washing and maintenance.
 - b. If performed on-site, wash vehicles with high-pressure water spray without detergents in an area contained by an impervious berm.
 - c. Use drip pans for all equipment maintenance.
 - d. Inspect equipment for leaks on a daily basis.
 - e. Direct washout from concrete trucks into a temporary pit for hardening and proper disposal.
 - f. Equip fuel nozzles with automatic shut-off valves.
 - g. Dispose of all used products such as oil, antifreeze, solvents and tires in accordance with manufacturers' recommendations and local, state and federal laws and regulations.
5. Spill prevention practices
- a. Identify potential spill areas and contain them in covered areas with no connection to the storm drain system.
 - b. Post warning signs in hazardous material storage areas.
 - c. Perform preventive maintenance on all tanks, valves, pumps, pipes and other equipment as necessary.
 - d. Prioritize low or non-toxic substances for use.

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 3 of 4 Effective July 2023

Standard Detail & Specifications
Super Silt Fence

Construction Notes:

1. The poles do not need to be set in concrete.
2. Chain link fence shall be fastened securely to the fence posts with wire ties or staples.
3. Geotextile fabric shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
4. Geotextile fabric shall be embedded a minimum of 8" into the ground.
5. When two sections of geotextile fabric adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence.

Materials:

1. **Fencing:** Fencing shall be 42 inches in height and constructed in accordance with the latest Delaware Department of Transportation (Del-DOT) Specifications for Chain Link Fencing (Section 727). The Del-DOT specification for a 6 foot fence shall be used, substituting 42 inch fabric and 6 foot length posts.
2. **Geosynthetic Fabric:** Type GD-I

Source:	Symbol:	Detail No.
Adapted from MD Stds. & Specs. for ESC	SSF	DE-ESC-3.1.2.3 Sheet 2 of 2 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes:

The Construction Site Pollution Prevention Plan includes the following elements:

1. Material Inventory

Document the storage and use of the following materials:

- a. Concrete
- b. Detergents
- c. Paints (enamel and latex)
- d. Cleaning solvents
- e. Pesticides
- f. Wood scraps
- g. Fertilizers
- h. Petroleum based products

2. Good housekeeping practices

- a. Store only enough product required to do the job.
- b. Store all materials in a neat, orderly manner in their original labeled containers and covered.
- c. Do not mix different substances.
- d. When possible, use all of a product prior to disposal of the container.
- e. Manufacturers' instructions for disposal should be strictly adhered to.
- f. Designate someone to inspect all BMPs daily.

3. Waste management practices

- a. Collect and store all waste materials in securely lidded dumpsters in a location that does not drain to a waterbody.
- b. Salvage and/or recycle waste materials whenever possible.
- c. The dumpsters shall be emptied a minimum of twice per week, or more if necessary. The licensed trash hauler is responsible for cleaning out dumpsters.

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 2 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

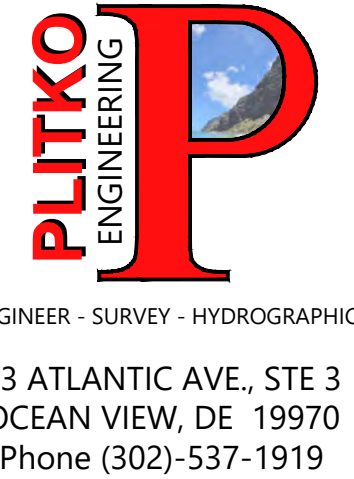
- e. Prominently post contact information for reporting spills through the DNREC 24-Hour Toll Free Number.
6. Education
- a. Include Best Management Practices (BMPs) for construction site pollution control as part of regular progress meetings.
 - b. Information regarding waste management, equipment maintenance and spill prevention should be prominently posted in the construction trailer.

CONTACT INFORMATION

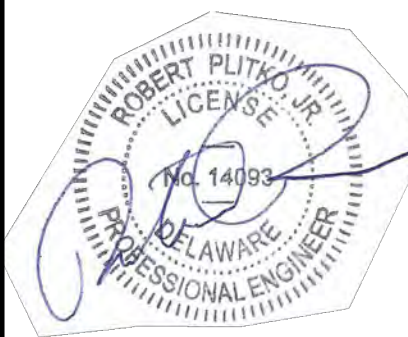
DNREC 24-Hour Toll Free Number	800-662-8802
DNREC Solid & Hazardous Waste Management Section	302-739-9403

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 4 of 4 Effective July 2023

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SEDIMENT AND STORMWATER
MANAGEMENT PLANS
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SHEET
C210

Mulching

a. **Straw** - Straw shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds (two bales) per 1,000 square feet. Mulch materials shall be relatively free of weeds and shall be free of noxious weeds such as; thistles, Johnsongrass, and quackgrass. Spread mulch uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 square feet sections and place 70-90 pounds (two bales) of mulch in each section.

- b. *Wood chips* – Apply at the rate of approximately 6 tons per acre or 275 pounds per 1,000 square feet when available and when feasible. These are particularly well suited for utility and road rights-of-way. If wood chips are used, increase the application rate of nitrogen fertilizer by 20 pounds of N per acre (200 pounds of 10-10-10 or 66 pounds of 30-0-0 per acre).
- c. *Hydraulically applied mulch* - The following conditions apply to hydraulically applied mulch:
 - i. Definitions:
 - a. Wood fiber mulch shall consist of specially prepared wood that has been processed to a uniform state, is packaged for sale as a hydraulic mulch for use with hydraulic seeding equipment, and consists of a minimum of 70% virgin or recycled wood fiber combined with 30% paper fiber and additives.
 - b. Blended fiber mulch shall consist of any hydraulic mulch that contains greater than 30% paper fiber. The paper component must consist of specially prepared paper that has been processed to a uniform fibrous state and is packaged for sale as a hydraulic mulch for use with hydraulic seeding equipment.
 - c. A bonded fiber matrix (BFM) consists of long strand, specially prepared wood fibers that have been processed to a uniform state held together by a water resistant bonding agent. BFMs shall contain no paper (cellulose) mulch but may contain small percentages of synthetic fibers to enhance performance.
 - d. Refer to **Figure 3.4.5a** for conditions and limitations of use for each of the above categories of hydraulic mulch.
 - ii. All components of the hydraulically applied mulches shall be pre-packaged by the manufacturer to assure material performance. Field mixing of the mulch components is acceptable, but must be done per manufacturers recommendations to ensure the proper results.
 - iii. Hydraulic mulches shall be applied with a viable seed and at manufacturer's recommended rates. Increased rates may be necessary based on site conditions.
 - iv. Hydraulically applied mulches and additives shall be mixed according to manufacturers recommendations.
 - v. Materials within this category shall only be used when hydraulically applied mulch has been specified for use on the approved Sediment and Stormwater Plan, or supplemental approval from the plan approval agency has been obtained in writing for a specific area.

Mulching

- v. Application:
- a. Apply product to geotechnically stable slopes that have been designed and constructed to divert runoff away from the face of the slope.
 - b. Do not apply to saturated soils, or if precipitation is anticipated within 24-48 hours.
 - c. During the spring (March 1 to May 31) and fall (September 1 to November 30) seasons, hydraulic mulches may be applied in a one-step process where all components are mixed together in single-lank loads. It is recommended that the product be applied from opposing directions to achieve optimum soil coverage.
 - d. During the summer (June 1 to August 31) and winter (December 1 to February 28) seasons, the following two-step process is required:
 - Step One – Mix and apply seed and soil amendments with a small amount of mulch for visual metering.
 - Step Two – Mix and apply mulch at manufacturers recommended rates over freshly seeded surfaces. Apply from opposing directions to achieve optimum soil coverage.
 - e. Minimum curing temperature is 40°F (4°C). The best results and more rapid curing are achieved at temperatures exceeding 60°F (15°C). Curing times may be accelerated in high temperature, low humidity conditions on dry soils.
- vi. Recommended application rates are for informational purposes only. Conformance with this standard and specification shall be performance-based and requires **100% soil coverage**. Any areas with bare soil showing shall be top dressed until full coverage is achieved.
- d. **Compost blanket (C2)** – Locally applied with a pneumatic blower so that a 1" compost blanket uniformly covers the **soil with 100% coverage**. The compost blanket can be used with seed to promote germination by applying the approved seed mix directly into the loosely blown compost. The compost blanket performs best on slopes less than 2:1 and requires no mulch anchoring.
- Anchoring mulch** – Mulch must be anchored immediately to minimize loss by wind or water. This may be done by one of the following methods, depending upon size of area, erosion hazard, and cost.
- a. **Crimping** – A crimper is a tractor drawn implement designed to punch and anchor mulch into the top two (2) inches of soil. This practice affords maximum erosion control but is limited to flatter slopes where equipment can operate safely. On sloping land, crimping should be done on the contour whenever possible.
 - b. **Tracking** – Tracking is the process of cutting mulch (usually straw) into the soil using a bulldozer or other equipment that runs on cleated tracks. Tracking is used primarily on slopes 3:1 or steeper and should be done up and down the slope with cleat marks running across the slope.
 - c. **Liquid mulch binders** – Applications of liquid mulch binders should be heavier at edges, in valleys, and at crests of banks and other areas where the mulch will be moved by wind or water. All other areas should have a uniform application of binder. The use of synthetic binders is the preferred method of mulch binding and should be applied at the rates recommended by the manufacturer.
 - d. **Paper fiber** – The fiber binder shall be applied at a net dry weight of 750 lbs/ac. The wood cellulose fiber shall be mixed with water, and the mixture shall contain a maximum of 50 lbs. of wood cellulose fiber per 100 gallons.
 - e. **Nettings** – Biodegradable nettings may be used to secure straw mulch. Install and secure according to the manufacturer's recommendations. Photodegradable or synthetic nettings are not acceptable.

Mulching

MULCHING MATERIAL SELECTION GUIDE									
Percent Slope Less than 2%	Type of Mulch / App. Rate*	Dec. 1 to Feb. 28/29		March 1 to May 31		June 1 to Aug. 31		Sept. 1 to Nov. 30	
		OK XXXXXX	OK XXXXXX	OK XXXXXX	OK XXXXXX	OK XXXXXX	OK XXXXXX	OK XXXXXX	OK XXXXXX
Less than 5%	Banded Fiber @ 2000 lb./acre, minimum	OK	OK	OK	OK	OK	OK	OK	OK
	BPAW @ 3000 lb./acre, min.	OK	OK	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. Min.	OK	OK	OK	OK	OK	OK	OK	OK
	Sackization Mailing (CS)	OK	OK	OK	OK	OK	OK	OK	OK
2% to 5.9%	Wood Fiber @ 2000 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	BPAW @ 3000-3500 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. Min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Sackization Mailing**	OK	XXXXXX	OK	OK	OK	OK	OK	OK
6% to 10.9%	1" Compost Banded (CS)	OK	OK	OK	OK	OK	OK	OK	OK
	BPAW @ 3500-4000 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Sackization Mailing (CS)	OK	XXXXXX	OK	OK	OK	OK	OK	OK
11% to 24.9%	Wood Fiber @ 2500-3000 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	BPAW @ 3500-4000 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Sackization Mailing**	OK	XXXXXX	OK	OK	OK	OK	OK	OK
25% to 35%	1" Compost Banded (CS)	OK	OK	OK	OK	OK	OK	OK	OK
	BPAW @ 4000-4500 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Sackization Mailing (CS)	OK	XXXXXX	OK	OK	OK	OK	OK	OK
33% and up	BPAW @ 4000-4500 lb./acre, min.	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	Straw @ 2 Tons/ac. min.***	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	1" Compost Banded (CS)	OK	XXXXXX	OK	OK	OK	OK	OK	OK
	21" Max.	OK	XXXXXX	OK	OK	OK	OK	OK	OK

Dust Control

1. Mulches - See **DE-ESC-3.4.5**, Standard Detail and Specifications for Mulching.
2. Vegetative cover - See **DE-ESC-3.4.3**, Std. Detail and Specifications for Vegetative Stabilization.
3. Adhesives - Use on mineral soils only (not effective on muck soils). Keep traffic off these areas. The following table may be used for general guidance.

Type of Emulsion	Water Dilution	Type of Nozzle	Apply Gal/Ac.
Latex emulsion	12.5:1	Fine spray	235
Resin-in-water emulsion	4:1	Fine spray	300
Acrylic emulsion (non-traffic)	7:1	Coarse spray	450
Acrylic emulsion (traffic)	3.5:1	Coarse spray	350

4. Tillage - For emergency temporary treatment, scarify the soil surface to prevent or reduce the amount of blowing dust until a more appropriate solution can be implemented. Begin the tillage operation on the windward side of the site using a chisel-type plow for best results.
5. Sprinkling - Sprinkle site with water until the surface is moist . Repeat as needed.
6. Calcium Chloride - Apply as flakes or granular material with a spreader at a rate that will keep the soil surface moist. Re-apply as necessary.
7. Barriers - Place barriers such as solid board fences, snowfences, hay bales, etc. at right angles to the prevailing air currents at intervals of approx. 10X their height.

1. Vegetative cover - See **DE-ESC-3.4.3**, Std. Detail and Specifications for Vegetative Stabilization.
2. Stone - Apply layer of crushed stone or coarse gravel to protect soil surface.

Vegetative Stabilization

TEMPORARY SEEDING BY RATES, DEPTHS AND DATES											
Mix #	Species ⁵	Seeding Rate		Optimum Seeding Dates ¹ O = Optimum Planting Period, A = Acceptable Planting Period							Planting Depth ³
Certified Seed	lb/Ac ⁴	lb/1000 sq.ft.	Coastal Plain			Piedmont			All		
			2/1-4/30	5/1-8/14	8/15-10/31	3/1-4/30	5/1-7/31	8/1-10/31	10/31-2/1		
1	Barley	125	4	O	A	O	O	A	O	1-2 inches 2-3" sandy soils	
2	Oats	125	4	O	A	A	O	A	A	1-2 inches 2-3" sandy soils	
3	Rye	125	4	O	A	O	O	A	O	1-2 inches 2-3" sandy soils	
4	Perennial Ryegrass	125	4	O	A	O	O	A	O	0.5 inches 1-2" sandy soils	
5	Annual Ryegrass	125	4	O	A	O	O	A	O	0.5 inches 1-2" sandy soils	
6	Winter Wheat	125	4	O	A	O	O	A	A	1-2 inches 2-3" sandy soils	
7	Foxtail Millet	30 PLS	0.7	O			O			0.5 inches 1-2" sandy soils	
8	Pearl Millet	20 PLS	0.5	O			O			0.5 inches 1-2" sandy soils	

1. Winter seeding requires 3 tons per acre of straw mulch for proper stabilization.
2. May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.
3. Applicable on slopes 3:1 or less.
4. Use varieties currently recommended for Delaware. Contact a County Extension Office for information.
5. Warm season grasses such as Millet may be established from 5/1 and 9/1 if desired. Seed at 3-5 lbs. per acre. Good on low fertility and acid areas. Seed after frost through summer at a depth of 0.5".

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Vegetative Stabilization

PERMANENT SEEDING AND SEEDING DATES												
Seeding Mixtures		Seeding Rate ¹	Optimum Seeding Dates ²								Remarks	
Mix No.	Certified Seed ³		Coastal Plain				Piedmont					Alt ⁴
	Well Drained Soils	lb/A	2/1- 4/30	3/1- 5/1	8/15- 10/31	3/1- 5/1	8/15- 10/31	3/1- 5/1	8/15- 10/31	3/1- 5/1	8/15- 10/31	
1	Tall Fescue	140	3.2	A	O	A	O	A	O	A	+	Good erosion control mix. Tolerant of low fertility soils. Good for droughty sites.
	Canada Wild Rye	10	0.23									
2	Dextropogon	30	0.69	A	O	A	O	A	O	A	+	Good erosion control mix. Tolerant of low fertility soils.
	Sheep Fescue	30	0.69									
	White Clover	10	0.35									Legume that fixes atmospheric N into soil.
3	Tall Fescue (turftype) or Strong Creeping Red Fescue or Perennial Ryegrass	50 1.15 50 1.15	1.15 0.15	O	A ⁴	O	A ⁴	O	A ⁴	O	+	Good erosion control mix. Tall Fescue for droughty conditions. Creeping Red Fescue for heavy shade. Fescues to suppress woody vegetation.
	plus Lirioden ⁵	15	0.34									
4	Strong Creeping Red Fescue Kentucky Bluegrass Perennial Ryegrass or Redtop	100 2.3 10 0.35 5 0.11	2.3 0.16 1.35 0.11	O	A ⁴	O	A ⁴	O	A ⁴	O	+	Suitable waterway mix. Canada Bluegrass more drought tolerant. Use Redtop for increased drought tolerance.
	plus White Clover ⁵	3	0.07									
5	Switchgrass ⁶ or Coastal Panicgrass Big Bluestem Little Bluestem Indian Grass	10 10 5 1.11 5 0.11 5 0.1	0.23 0.23 0.11 0.11 0.11 0.11 0.1		O			O				Native warm-season mixture. Tolerant of low fertility soils. Drought tolerant. Poor shade tolerance. N fertilizer discouraged - weeds
6	Tall Fescue (turftype) (Blend of 3 cultivars)	150	3.5	O	A ⁴	O	A ⁴	O	A ⁴	O	+	Managed strip for nutrient uptake.
7	Switchgrass ⁶ or Ky. Bluegrass (Blend) Perennial Ryegrass	150 20 20 0.46 20 0.46	3.5 0.5 0.46 0.46	O	A ⁴	O	A ⁴	O	A ⁴	O	+	Three cultivars of Kentucky Bluegrass. Traffic tolerant.
8	Big Bluestem ⁷ Indian Grass ⁷ Little Bluestem ⁷ Creeping Red Fescue plus one of: Partridge Pea Bush Clover Wild Indigo Showy Tick Trefoil	10 0.23 8 0.18 30 0.69 5 0.11 3 0.07 2 0.05	0.23 0.23 0.18 0.18 0.69 0.11 0.07 0.05	O	A ⁴	O	A ⁴					All species are native. Indian Grass and Bluestem have deep roots. Plant with a specialized native seed drill. Creeping Red Fescue will provide erosion protection while the warm season grasses get established.

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Vegetative Stabilization

PERMANENT SEEDING AND SEEDING DATES (CONT.)												
Seeding Mixtures		Seeding Rate ¹	Optimum Seeding Dates ²								Remarks	
			O = Optimum Planting Period O = Acceptable Planting Period									
Mix No.	Certified Seed ³		Coastal Plain				Piedmont					
	Poorly Drained Soils	lb/Ac	2/1-10/30 sq.ft.	5/1-8/14	8/15-10/31	3/1-10/31	5/1-7/31	8/1-10/31	A ⁴			
9	Redtop Creeping Bentgrass Sheep Fescue Rough Bluegrass	75 35 30 45	1.72 0.8 0.69 1							10/31-2/1	Quick stabilization of disturbed sites and lawns	
10	Switchgrass	10	0.23	A	O	A	O	A	O		Good erosion control, wildlife cover and wetland revegetation.	
Residential Lawns												
11	Tall Fescue Perennial Ryegrass Kentucky Bluegrass Blend	100 25 20	2.3 0.57 0.69	O	A ¹	O	O	A ¹	O		High yield, high maintenance, light traffic, irrigation necessary. Well drained soils, full sun	
12	Tall Fescue Perennial Ryegrass Sheep Fescue	100 25 25	2.3 0.57 0.57	O	A ¹	O	O	A ¹	O		Moderate yield, low maintenance, traffic tolerant	
13	Creeping Red Fescue Chewings Fescue Rough Bluegrass Kentucky Bluegrass	50 50 20 20	1.15 1.15 0.4 0.4	O	A ²	O	O	A ¹	O		Shade tolerant, moderate traffic tolerance, moderate maintenance.	
14	Creeping Red Fescue Rough bluegrass or Chewings Fescue	50 90	1.15 0.21	O	A ²	O	O	A ¹	O		Shade tolerant, moisture tolerant.	
15	K-31 Tall Fescue	150	3.5	O	A ¹	O	O				Monoculture, but performs well even in lawns. Discouraged	

1. When hydroseeding is the chosen method of application, the total rate of seed should be increased by 25%.
2. Winter seeding requires 3 tons per acre of straw mulch. Planting dates listed above are average for Delaware. These dates may require adjustment to reflect local conditions.
3. All seed shall meet the minimum purity and minimum germination percentages recommended by the Delaware Department of Agriculture. The maximum % of weed seeds shall be in accordance with Chapter 15, Title 3 of the Delaware Code.
4. Turf-type species may be sited throughout summer if soil moisture is adequate or seeded area can be irrigated.
5. It is recommended that all leguminous seed be inoculated.
6. Warm season grasses mix and Switchgrass cannot be mowed more than 4 times per year.
7. Warm season grasses require a soil temperature of at least 50 degrees in order to germinate and will remain dormant until then.

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Vegetative Stabilization

1. Site Preparation
 - a. Prior to seeding, install needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, grassed waterways, and sediment basins.
 - b. Final grading and shaping is not necessary for temporary seedings.

2. Seedbed Preparation

It is important to prepare a good seedbed to ensure the success of establishing vegetation. The seedbed should be well prepared, loose, uniform, and free of large clods, rocks, and other objectionable material. The soil surface should not be compacted or crusted.
3. Soil Amendments
 - a. Lime - Apply liming materials based on the recommendations of a **soil test** in accordance with the approved nutrient management plan. If a nutrient management plan is not required, apply dolomitic limestone at the rate of 1 to 2 tons per acre. Apply limestone uniformly and incorporate into the top 4 to 6 inches of soil.
 - b. Fertilizer - Apply fertilizer based on the recommendations of a **soil test** in accordance with the approved nutrient management plan. If a nutrient management plan is not required, apply a formulation of 10-10-10 at the rate of 600 pounds per acre. Apply fertilizer uniformly and incorporate into the top 4 to 6 inches of soils.
4. Seeding
 - a. For **temporary stabilization**, select a mixture from **Sheet 1** . For a **permanent stabilization** select a mixture from **Sheet 2** or **Sheet 3** depending on the conditions. Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.
 - b. Apply seed uniformly with a broadcast seeder, drill, cultipacker seeder or hydroseeder. All seed will be applied at the recommended rate and planting depth.
 - c. Seed that has been broadcast should be covered by raking or dragging and then **lightly** tamped into place using a roller or cultipacker. If hydroseeding is used and the seed and fertilizer is mixed, they will be mixed on site and the seeding shall be done immediately and without interruption.
5. Mulching

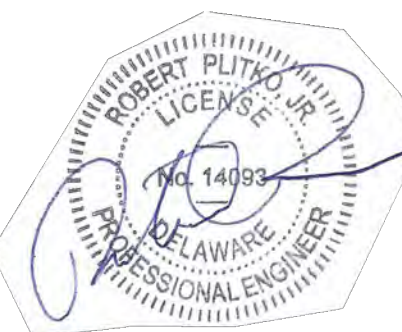
All mulching shall be done in accordance with detail **DE-ESC-3.4.5.**

[illegible]

ENGINEER - SURVEY - HYDROGRAPHIC

53 ATLANTIC AVE., STE 3
OCEAN VIEW, DE 19970
Phone (302)-537-1919

SEDIMENT AND STORMWATER
MANAGEMENT PLANS
SELBYVILLE TEXTILE PRINTING
T.M.#533-16.11 -22.00 & 23.00
DUPONT BOULEVARD
TOWN OF SELBYVILLE SUSSEX COUNTY DELAWARE



PROJECT DATUM
HORIZONTAL: DE NAD 1983
VERTICAL: NAVD 1988

SITE PLAN:	DATE
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DRAWING:	10/15/24
REVIEW: RP	

SHEET

C211

DATE _____

10/15/24

EROSION AND SEDIMENT CONTROL DETAILS