

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

CHECKLIST FOR REQUIRED INSPECTION

TYPE OF INSPECTION	DEVELOPER ENGINEER APPROVAL/DATE	SEA INSPECTION/ DATE
1) PRECONSTRUCTION MEETINGS		
2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE #6 BELOW)		
3) PRIOR TO MODIFICATION OR REMOVAL OF SED. CNTRL.		
4) INFILTRATION SYSTEMS A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION C. DIMENSIONS D. FILTERING MATERIAL (TYPE/DEPTH) E. FILL MATERIAL F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE) G. OBSERVATION WELL H. COVER / STABILIZATION		
5) OPEN CHANNEL FLOW ATTENUATION A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. CROSS SECTION CONFORMANCE C. MATERIAL (TYPE/SIZE) D. STABILIZATION		
6) RETENTION / DETENTION STRUCTURES (BASIN/PONDS) A. SUBGRADE PREPARATION 1. CORE TRENCH 2. SUITABLE FILL 3. COMPACTION B. EMBANKMENT CONSTRUCTION 1. SUITABLE MATERIAL 2. SLOPE GRADE C. BARREL AND RISER ASSEMBLY 1. CORRECT MATERIAL ONSITE 2. SIZING 3. ANTI-SLEEP COLLARS 4. INSTALLATION / BACKFILL D. CONCRETE INLET STRUCTURES 1. FOOTER EXCAVATION AND SIZE 2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT) 3. WEIR POUR 4. FORM STRIP AND FINISHING E. IMPOUNDING AREA 1. LOW FLOW CHANNELS 2. DEWATERING DEVICE 3. EMERGENCY SPILLWAY F. OUTFALL AREA (LEVEL SPREADER, RIPRAP CHANNEL, ETC.) G. VEGETATION STABILIZATION H. MISCELLANEOUS		

YOU MUST NOTIFY THE DIVISION OF ENVIRONMENTAL COMPLIANCE SECTION (ECS) AT (301) 600-3507 BEFORE 9:00 AM 24 HOURS PRIOR TO THE REQUIRED INSPECTION. FAILURE TO NOTIFY THE AGENCY WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS OUTLINED IN FREDERICK COUNTY CODES.

**** NOTICE ****

THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. FREDERICK COUNTY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THE AGENCY RECOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH OF THE REQUIRED INSPECTIONS.

SEDIMENT AND EROSION CONTROL NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AS APPROVED BY THE COUNTY.
- ALL DISTURBED AREAS NOT UNDER ACTIVE GRADING TO BE SEEDED WITHIN 7 DAYS OF INITIAL GRADING. FOR TEMPORARY SEEDING SPECIFICATIONS, SEE SECTION B1, "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO OR AT THE INITIATION OF GRADING.
- ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS AND NOT SUBJECT TO ACTIVE GRADING ARE TO BE MULCHED AND SEEDDED WITHIN 7 DAYS OF INITIAL BACKFILL.
- ELECTRIC POWER, TELEPHONE AND GAS LINES NOT IN ACTIVE GRADING AREAS ARE TO BE COMPACTED, SEEDDED AND MULCHED WITHIN 7 DAYS AFTER INITIAL BACKFILL.
- ALL EARTH BERMS AND SEDIMENT DAMS ARE TO BE MULCHED AND SEEDDED (SEE SECTION B OF ABOVE REFERENCE) WITHIN 7 DAYS AFTER GRADING. ALL SOIL STOCKPILES ARE TO BE MULCHED AND SEEDDED WITHIN 7 DAYS.
- DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER. (SEE SECTION B OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.)
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
- AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND SEEDDED (SEE PERMANENT SEEDING & SOD NOTES).
- NO SLOPE SHALL BE GREATER THAN 2:1.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN CONTINUOUS COMPLIANCE WITH THE LATEST VERSION OF THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- ALL UTILITIES, SUCH AS: STORM DRAIN, PUBLIC WATER, SANITARY SEWER, ELECTRIC POWER, TELEPHONE, CABLE AND GAS LINES, THAT ARE NOT IN PAVED AREAS AND ARE NOT UNDERGOING ACTIVE GRADING SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 3 DAYS OF INITIAL DISTURBANCE.
- THE OWNER/DEVELOPER OR THEIR DESIGNATE IS RESPONSIBLE FOR CONDUCTING ROUTINE MAINTENANCE. THE SITE AND CONTROLS SHOULD BE INSPECTED WEEKLY AND THE NEXT DAY AFTER EACH RAIN. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A SUITABLE AREA AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED.
- ANY PROJECT THAT HAS A STATE ISSUED N.O.I. PERMIT MUST DOCUMENT EACH INSPECTION AND MAINTAIN AN INSPECTION LOG (PLEASE SEE N.O.I. FOR DETAILS).

ENGINEER'S DESIGN CERTIFICATION:

I hereby certify this plan has been designed in accordance with local ordinances, COMAR 26.17.01, and 2011 Maryland Standards and Specification for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits. If applicable, this plan is also designed in accordance with the requirements contained within USDA, NRCS "Standards and Specifications for Ponds MD-378" and the policies and procedures of the Maryland Department of the Environment Dam Safety program.

	57703
ENGINEER'S SIGNATURE	P.E. NO.
ANDREW K. RINELLA	06/27/2025
PRINT NAME	DATE

OWNER / DEVELOPER'S CERTIFICATION:

I/We hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that any responsible personnel involved in this construction project will have a Certificate of Attendance at a Maryland Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I/We also certify that the site will be inspected at the end of each working day, and that any needed maintenance will be completed so as to ensure that all sediment control practices are left in operational condition. I/We authorize the right of entry for periodic onsite evaluation by the Frederick County Soil Conservation District Board or their authorized agents.

	06/27/2025
SIGNATURE OWNER/DEVELOPER	DATE
RALPH MOBLEY, JR.	PROJECT MANAGER
PRINT NAME	TITLE

PERMANENT SEEDING & SOD NOTES

GENERAL

- SCOPE: PLANTING PERMANENT, LONG-LIVED VEGETATIVE COVER ON GRADED OR CLEARED AREAS.
- STANDARDS: PERMANENT SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.

SPECIFICATIONS

- SITE PREPARATION
A) PRIOR TO SEEDING INSTALL ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.
B) FINE GRADING REQUIRED FOR PERMANENT SEEDING.
- SOIL AMENDMENTS
A) FERTILIZER SHALL BE APPLIED AT THE RATE OF 1000 LBS./ACRE USING 10-10-10 OR EQUIVALENT.
- SEEDBED PREPARATION
A) SOIL SHALL BE LOOSENEED TO A DEPTH OF 3 INCHES BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
- SEEDING
A) SELECT A MIXTURE FROM TABLE B.2 & B.3 IN STANDARD SPECIFICATIONS.
B) APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER ON A FIRM, MOIST SEEDBED). MAXIMUM SEEDING DEPTH SHOULD BE 1/4" ON CLAYEY SOILS AND 1/2" ON SANDY SOILS, WHEN USING OTHER THAN HYDROSEEDER METHOD OF APPLICATION. NOTE: IF HYDROSEEDING IS USED AND THE SEED AND FERTILIZER IS MIXED, THEY WILL BE MIXED ON SITE AND SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.

PERMANENT STABILIZATION WITH SOD

- ALL SPECIFICATIONS, SITE PREPARATION, INSTALLATION AND MAINTENANCE OF SOD FOR PERMANENT, LONG-LIVED VEGETATIVE COVER SHALL CONFORM TO SECTION B OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.

NOTE: ALL AREAS TO BE ROUGH GRADED AND/OR GRADED ONLY ARE TO BE STABILIZED BY PERMANENT SEEDING AND MULCHING WITHIN 7 DAYS AFTER GRADING IS COMPLETED. (SEE "TEMPORARY SEEDING NOTES").

FOR UTILITY WORK ONLY OR FOR OFF-SITE UTILITY WORK

- DISTURBANCE OUTSIDE OF LOD CAN NOT EXCEED 5000 SQUARE FEET.
- PLACE ALL EXCAVATED MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, SEEDING AND MULCHING CAN OCCUR
- ANY SEDIMENT CONTROL MEASURES DISTURBED BY CONSTRUCTION WILL BE REPAIRED THE SAME DAY

STAGING/STOCKPILE AREAS

- STOCKPILE SIDE SLOPE RATIO CANNOT BE STEEPER THAN 2:1. BENCHING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING IF REQUIRED.
- IF STOCKPILE AREA NEEDS TO BE ENLARGED DURING CONSTRUCTION, SILT FENCE SHOWN MUST BE EXPANDED TO WRAP AROUND STOCKPILE AREA IN THE MANNER SHOWN ON PLAN
- ACCESS THE STOCKPILE AREA FROM THE UPGRADE SIDE.
- STOCKPILE MUST BE STABILIZED IN ACCORDANCE WITH THE 3/7 DAY STABILIZATION REQUIREMENT AS WELL AS STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION.
- THE STOCKPILE AREA MUST CONTINUOUSLY MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION. SIDE SLOPES MUST BE MAINTAINED AT NO STEEPER THAN A 2:1 RATIO. THE STOCKPILE AREA MUST BE KEPT FREE OF EROSION. IF VERTICAL HEIGHT OF A STOCKPILE EXCEEDS 20 FEET FOR 2:1 SLOPES, 30 FEET FOR 3:1 SLOPES, OR 40 FEET FOR 4:1 SLOPES, BENCHING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING.
- NO STOCKPILING ALLOWED ON ASPHALT AND/OR GRAVEL ROADWAY
- THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL FOR THE STAGING / STOCKPILE AREA, AND THE COST FOR THE SEDIMENT CONTROL SHALL BE INCIDENTAL TO THE SEDIMENT CONTROLS SHOWN ON THE PLANS. THE CONTRACTOR SHALL CONTACT THE EROSION AND SEDIMENT CONTROL INSPECTOR FOR PROPER PLACEMENT OF THE STAGING / STOCKPILE AREA REGARDLESS OF WHETHER THE STAGING / STOCKPILE AREA IS WITHIN THE PROJECT SITE OR NOT.

TEMPORARY SEEDING NOTES

GENERAL

- SCOPE: PLANTING SHORT TERM VEGETATION TO STABILIZED CLEARED OR GRADED AREA SUBJECT TO EROSION FOR A PERIOD OF 7 DAYS OR MORE.
- STANDARDS: TEMPORARY SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.
- SEDIMENT AND EROSION CONTROL: ALL PERIMETER CONTROLS MUST BE STABILIZED IN 3 DAYS; ALL INTERIOR CONTROLS MUST BE STABILIZED IN 7 DAYS.

SPECIFICATIONS

- SITE PREPARATION
A) PRIOR TO SEEDING INSTALL ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.
B) FINAL GRADING NOT REQUIRED FOR TEMPORARY SEEDING.
- SOIL AMENDMENTS
A) FERTILIZER SHALL BE APPLIED AT THE RATE OF 600 LBS./ACRE USING 10-10-10 OR EQUIVALENT.
B) ACID SOILS SHALL BE LIMED.
- SEEDBED PREPARATION
A) SOIL SHALL BE LOOSENEED TO A DEPTH OF 3 INCHES BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
- SEEDING
A) SELECT A MIXTURE FROM TABLE B.1 IN STANDARD SPECIFICATIONS.
B) APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDRO SEEDER.
- MULCHING
A) MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. MULCH MATERIALS AND APPLICATIONS SHALL CONFORM TO THE STANDARD SPECIFICATIONS.

NOTE: ALL AREAS TO BE ROUGH GRADED AND/OR GRADED ONLY ARE TO BE STABILIZED BY TEMPORARY SEEDING AND MULCHING WITHIN 7 DAYS AFTER GRADING IS COMPLETED. IF PERMANENT SEEDING CANNOT BE PERFORMED AT THAT TIME, THESE AREAS SHALL BE STABILIZED WITH PERMANENT SEEDING AND MULCHING AT THE BEGINNING OF THE NEXT GROWING SEASON.

SITE INFORMATION

• (NOT FOR BIDDING PURPOSES)

TOTAL AREA OF SITE	2.1	ACRES
TOTAL AREA DISTURBED	1.8	ACRES
AREA DISTURBED BY STAGE		
- STAGE 1	0.95	ACRES
- STAGE 2	0.08	ACRES
- STAGE 3A	0.34	ACRES
- STAGE 3B	0.27	ACRES
- STAGE 4	0.30	ACRES
AREA TO BE ROOFED OR PAVED	0.86	ACRES
TOTAL CUT	2,500	CU. YDS.
TOTAL FILL	360	CU. YDS.
OFFSITE WASTE/BORROW		
AREA LOCATION (IF KNOWN)	UNKNOWN	

CERTIFICATION OF THE DISTURBED AREA QUANTITY

I hereby certify that the estimated total amount of area to be disturbed shown on these plans has been computed to 2,500 c.y. of excavation, 360 c.y. of fill and the total area to be disturbed as shown on these plans has been determined to be 78,229 square feet, or 1.79 acres.

	57703
ENGINEER'S SIGNATURE	P.E. NO.
ANDREW K. RINELLA	06/27/2025
PRINT NAME	DATE

Frederick County Soil Conservation District Erosion and Sediment Control Plan Approval

By: 
District Manager or Designee
Date: 8/25/2025
Plan is valid for 2 years from date of approval

SCD approval for erosion and sediment control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THIS DOCUMENT WAS
PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



WB
CONSULTING ENGINEERS | OWINGS MILLS, MD

THE
WILSON T.
BALLARD CO.

FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDABOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
GENERAL NOTES**

DATE: JUNE 2025 SCALE: N/A

A/P #PW277596 DWG. 26 OF 48

EROSION AND SEDIMENT CONTROL – SEQUENCE OF CONSTRUCTION

SEQUENCE OF CONSTRUCTION

GENERAL

1. THE CONTRACTOR SHALL NOTIFY THE COUNTY ENVIRONMENTAL COMPLIANCE SECTION AT (301) 600-3507, TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR AN ON-SITE REVIEW OF PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.
2. THE CONTRACTOR SHALL NOTIFY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) INSPECTION AND COMPLIANCE PROGRAM AT (410) 537-3510 AND THE COUNTY ENVIRONMENTAL COMPLIANCE SECTION AT (301) 600-3507 SEVEN (7) BUSINESS DAYS BEFORE ANY EARTH DISTURBANCE IN ORDER TO SCHEDULE A PRE-CONSTRUCTION MEETING, AND OBTAIN A COUNTY GRADING PERMIT.
3. STAKE OUT THE PROJECT FOR THE PRE-CONSTRUCTION MEETING.
4. THE EROSION AND SEDIMENT CONTROL SEQUENCE STAGES MUST BE COMPLETED IN CONJUNCTION WITH THE APPROPRIATE MAINTENANCE OF TRAFFIC STAGE.
5. THE NOTICE OF INTENT (NOI) SHALL BE IN HAND PRIOR TO THE START OF ANY CONSTRUCTION.

STAGE 1 (SHEET NO. ES-1 TO ES-3)

1. CLEAR AND GRUB FOR THE INSTALLATION OF SCE 1-1, SCE 1-2, SSF 1-1, SSF 1-2, SSF 1-3, SSF 1-4, SSF 1-5 AND SSF 1-6.
2. INSTALL CLEAR WATER DIVERSION PIPE CWD 1-1 AND MODIFIED SWALE PROTECTIONS MSP 1-1, MSP 1-2, AND MSP 1-3.
3. GRADE AND CONSTRUCT HIMALAYA ROAD ENTRANCE.
4. INSTALL STORM DRAIN SYSTEM FROM ES-1-1 TO MH-1-4, BEGINNING AT THE DOWNSTREAM END PROGRESSING UPSTREAM UNDER DRY CONDITIONS, ONLY CONSTRUCTING WHAT CAN BE STABILIZED BY THE END OF EACH DAY, BLOCK THE ENTRANCE TO I-1-3 UNTIL STORM WATER POND IS COMPLETED AND STABILIZED.
5. GRADE AND INSTALL THE STORM WATER MANAGEMENT FACILITY *
6. INSTALL CURB AND GUTTER ALONG THE EAST AND WEST APPROACHES TO THE PROPOSED TRAFFIC CIRCLE, ON GAS HOUSE PIKE.
7. CONSTRUCT FULL DEPTH ASPHALT AND OVERLAY EXISTING ROAD UP TO THE TOP OF ULTIMATE BASE COURSE, AS SHOWN ON THE PLANS.

* SWM SCW AREAS CAN BE EXCAVATED, AND STORM DRAIN STRUCTURES INSTALLED WITH PROTECTION, DO NOT INSTALL MEDIA, UNDERGROUND STRUCTURES, ETC. UNTIL THE DRAINAGE AREA TO THE ESD FACILITY IS STABILIZED AND APPROVED BY THE SEDIMENT CONTROL INSPECTOR. NOTE DIVERSION FENCE INSTALLATION MAY BE WARRANTED BY THE INSPECTOR TO PROTECT SEDIMENT FROM ENTERING THE FACILITY.

STAGE 2 (SHEET NO. ES-4 TO ES-5)

1. ESTABLISH WORK ZONES AS SHOWN ON MOT PLANS.
2. INSTALL STORM DRAIN SYSTEM FROM MH-1-4 TO I-1-5, BEGINNING AT THE DOWNSTREAM END PROGRESSING UPSTREAM UNDER DRY CONDITIONS, ONLY CONSTRUCTING WHAT CAN BE STABILIZED BY THE END OF EACH DAY, BLOCK THE ENTRANCE TO I-1-5 UNTIL STORM WATER POND IS COMPLETED AND STABILIZED.
3. CONSTRUCT MEDIAN FROM STA. 203+80 TO STA. 204+58 AND STA. 206+50 TO STA. 207+10 UNDER OFF-PEAK FLAGGING OPERATIONS AS DICTATED PER MOT PLANS, ONLY CONSTRUCTING WHAT CAN BE STABILIZED BY THE END OF EACH DAY.
4. CONSTRUCT THE REMAINDER OF THE GAS HOUSE PIKE MEDIANS AS SHOWN ON THE PLANS.

STAGE 3A (SHEET NO. ES-6 TO ES-7)

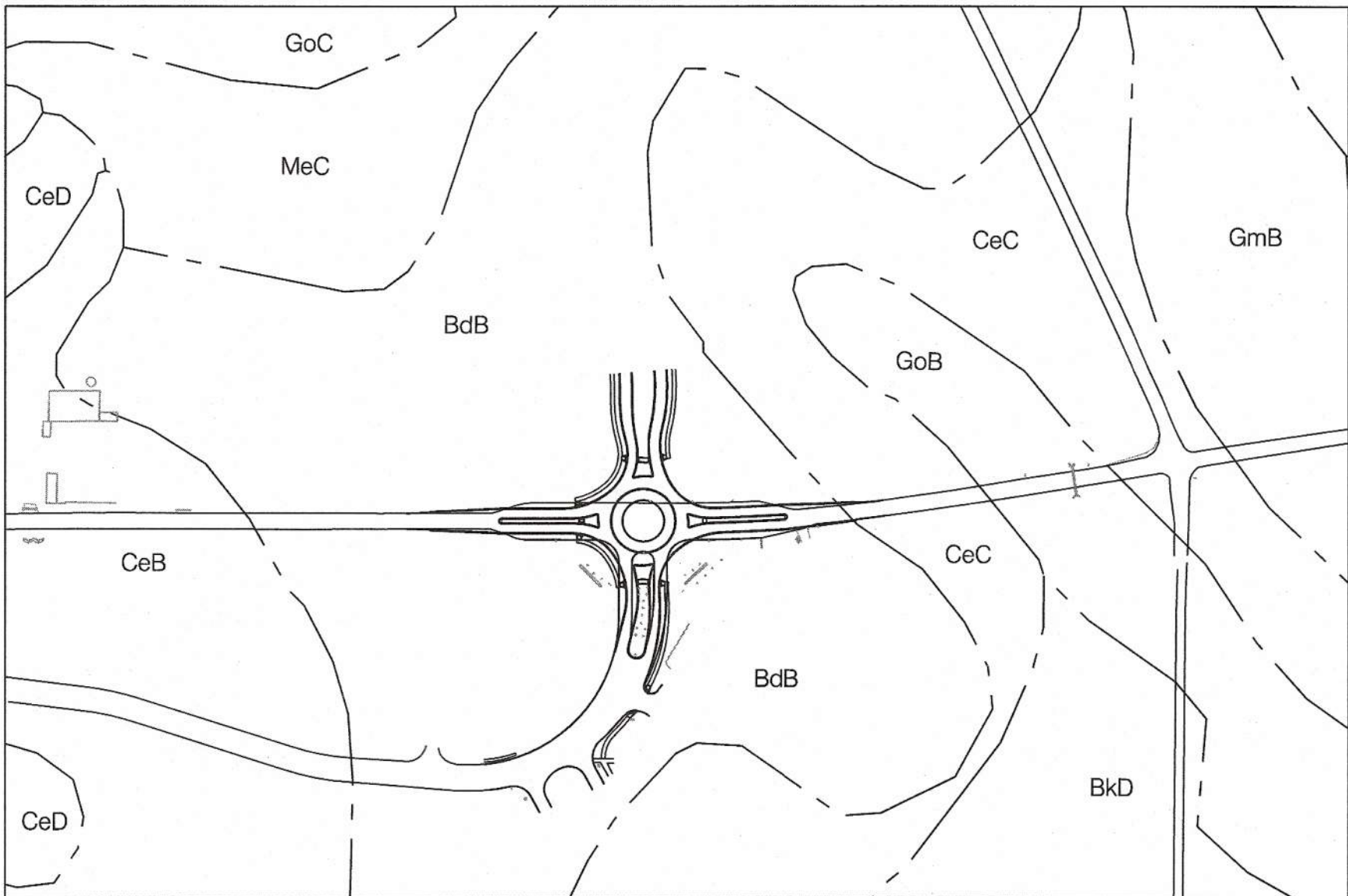
1. ESTABLISH WORK ZONES AS SHOWN ON MOT PLANS.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE SCE 3-1.
3. INSTALL STORM DRAIN SYSTEM FROM I-1-5 TO I-1-6, BEGINNING AT THE DOWNSTREAM END PROGRESSING UPSTREAM UNDER DRY CONDITIONS, ONLY CONSTRUCTING WHAT CAN BE STABILIZED BY THE END OF EACH DAY, BLOCK THE ENTRANCE TO I-1-6 UNTIL STORM WATER POND IS COMPLETED AND STABILIZED.
4. REMOVE PAVEMENT AS SHOWN ON PLANS AND INSTALL STORM DRAIN FROM I-1-6 TO STUB AT STA. 83+92 EXTENDING FROM I-1-8, PLUG THE UPSTREAM END OF THE STUB UNTIL NEXT STAGE, BLOCKING THE INLETS UNTIL NEXT STAGE.
5. CONSTRUCT THE EASTERN HALF OF SANANDREW DRIVE MEDIAN, THE CURB AND GUTTER, SIDEWALKS AND ROAD UP TO THE TOP OF THE BASE COURSE, AS SHOWN ON THE PLANS, MAINTAINING PUBLIC ACCESS TO WEST WINDS TENNIS CLUB PARKING LOT.

STAGE 3B (SHEET NO. ES-8 TO ES-9)

1. ESTABLISH WORK ZONES AS SHOWN ON MOT PLANS.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE SCE 3-2.
3. INSTALL INLET PROTECTIONS CIP 3-1, CIP 3-2, AND CIP 3-3
4. REMOVE PAVEMENT AS SHOWN ON PLANS AND INSTALL STORM DRAIN FROM STUB AT STA. 83+92 EXTENDING TO I-1-9 TO I-1-11, BLOCKING INLETS UNTIL NEXT STAGE.
5. CONSTRUCT THE WESTERN HALF OF SANANDREW DRIVE MEDIAN, THE CURB AND GUTTER, SIDEWALKS AND ROAD UP TO THE TOP OF THE BASE COURSE, AS SHOWN ON THE PLANS.

STAGE 4 (SHEET NO. ES-10 TO ES-11)

1. INSTALL INLET PROTECTIONS CIP 4-1 AND CIP 4-2
2. INSTALL STORM DRAIN FROM I-1-11 TO I-1-12, INSTALL INLET PROTECTION CIP 4-3.
3. CONSTRUCT THE CURBS AND SIDEWALKS ALONG THE NORTH EDGE OF GAS HOUSE PIKE ON BOTH THE WEST AND EAST APPROACHES TO THE PROPOSED ROUND ABOUT, AS SHOWN ON THE PLANS.
4. ESTABLISH WORK ZONE IN INTERSECTION AS SHOWN ON THE PLANS.
5. SAWCUT AND CONSTRUCT ROUNDABOUT ISLAND IN THE CENTER OF THE INTERSECTION, AS SHOWN ON THE PLANS.
6. LAY FINAL ASPHALT SURFACE COAT OVER THE ENTIRE SITE.
7. ONCE WORK IS COMPLETED AND THE SITE IS STABILIZED, WITH THE WRITTEN APPROVAL OF THE COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE THE DISTURBED AREAS.



PROJECT AREA SOILS MAP
1" = 200'

SOILS TABLE		
MAP UNIT SYMBOL	MAP UNIT NAME	HYDROLOGIC SOIL GROUP
CeB	CHRISTIANA SILT LOAM, 2-5%	B
CeC	CHRISTIANA SILT LOAM, 5-10%	B
CeD	CHRISTIANA SILT LOAM, 10-25%	B
GmB	GALESTOWN - URBAN LAND COMPLEX, 0-8%	B
BdB	BEDINGTON SHALY SILT LOAM, 3-8%	C
BkD	BERKS-WEIKERT COMPLEX, 15-25%	C
MeC	MERRIMAC SANDY LOAM, 8-15%	C
GoB	GLENELG - URBAN LAND COMPLEX, 0-8%	D
GoC	GEOGENIC ORGANIC CARBON	D

STANDARD SYMBOLS

AT-GRADE INLET PROTECTION		ROCK OUTLET PROTECTION I	
BAFFLE BOARDS		ROCK OUTLET PROTECTION II	
BENCHING		ROCK OUTLET PROTECTION III	
CATCH BASIN INSERT		SILT FENCE	
CLEAR WATER DIVERSION PIPE		SILT FENCE ON PAVEMENT	
CLEAR WATER PIPE		SOD	
COMBINATION INLET PROTECTION		STABILIZED CONSTRUCTION ENTRANCE	
CONCRETE WASHOUT STRUCTURE		STANDARD INLET PROTECTION	
CURB INLET PROTECTION		STOCKPILE AREA	
DIVERSION FENCE		STONE CHECK DAM	
EARTH DIKE		STONE/RIPRAP OUTLET SEDIMENT TRAP ST II	
EMERGENCY SPILLWAY		SUBSURFACE DRAINS	
FILTER BAG		SUMP PIT	
FILTER BERM		SUPER SILT FENCE	
FILTER LOG		TEMPORARY ACCESS BRIDGE	
GABION INFLOW PROTECTION		TEMPORARY ACCESS CULVERT	
GABION INLET PROTECTION		TEMPORARY ASPHALT BERM	
HORIZONTAL DRAW-DOWN DEVICE		TEMPORARY BARRIER DIVERSION	
LIMIT OF CUT		TEMPORARY GABION OUTLET STRUCTURE	
LIMIT OF DISTURBANCE		TEMPORARY SOIL STABILIZATION MATTING-TYPE A	
LIMIT OF FILL		TEMPORARY SOIL STABILIZATION MATTING-TYPE E	
MEDIAN INLET PROTECTION		TEMPORARY SOIL STABILIZATION MATTING-TYPE D	
MEDIAN SUMP INLET PROTECTION		TEMPORARY STONE OUTLET STRUCTURE	
MODIFIED SWALE PROTECTION		TEMPORARY SWALE	
MOUNTABLE BERM		WASH RACK OPTION	
PERIMETER DIKE/SWALE		DRAINAGE BOUNDARY	
PERMANENT SOIL STABILIZATION MATTING-TYPE B		EXISTING CONTOURS	
PERMANENT SOIL STABILIZATION MATTING-TYPE C		PROPOSED CONTOURS	
PIPE OUTLET SEDIMENT TRAP ST I		TREE PROTECTION FENCE	
PIPE SLOPE DRAIN		WETLAND	
PLUNGE POOL		WETLAND BUFFER	
PORTABLE SEDIMENT TANK		100-YEAR FLOODPLAIN	
REMOVABLE PUMPING STATION			
RIPRAP INFLOW PROTECTION			
RIPRAP OUTLET SEDIMENT TRAP ST III			

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: Idun Hume
District Manager or Designee

Date: 8/25/2025
Plan is valid for 2 years from date of approval

SCD approval for erosion and sediment control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THIS DOCUMENT WAS
PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



WB
CONSULTING ENGINEERS

THE
WILSON T.
BALLARD CO.

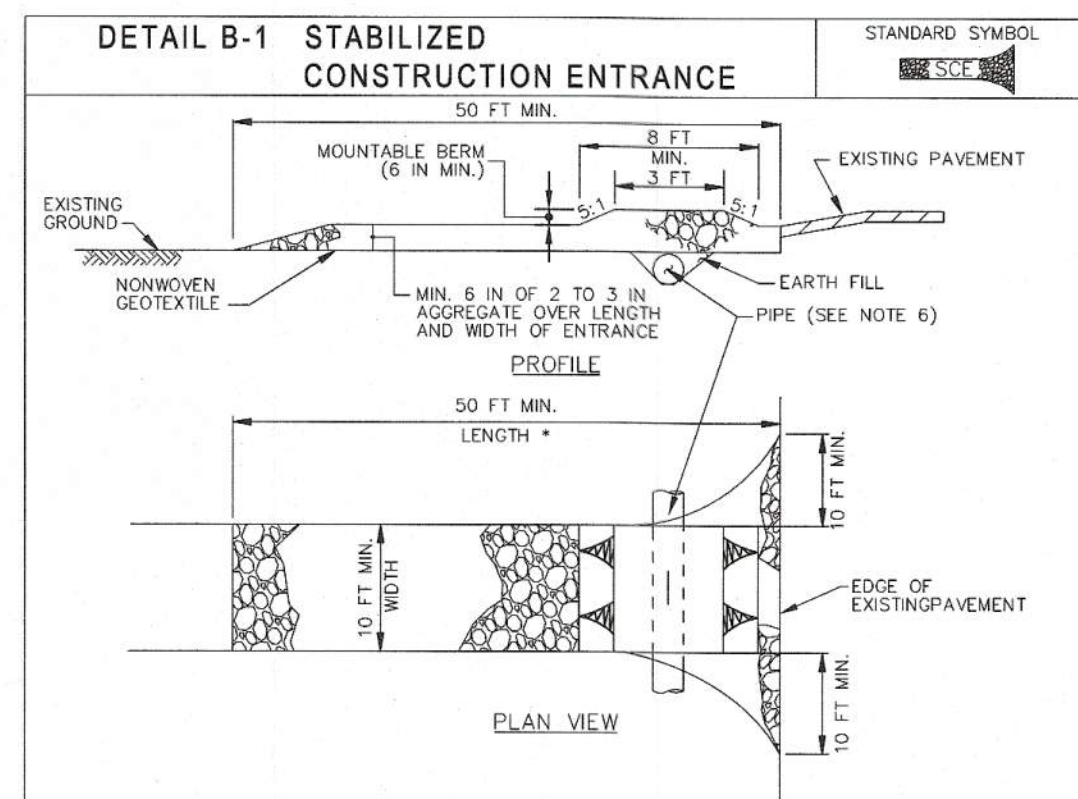
DEVELOPER/OWNER:
OAKDALE INVESTMENTS, L.L.C.
1355 BEVERLY ROAD, SUITE 240
MCLEAN, VIRGINIA 22101
(301) 798-7374
RALPH MOBLEY, JR.

FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDABOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
GENERAL NOTES &
SEQUENCE OF CONSTRUCTION**

DATE: JUNE 2025 SCALE: N/A
A/P #PW277596 DWG. 27 OF 48

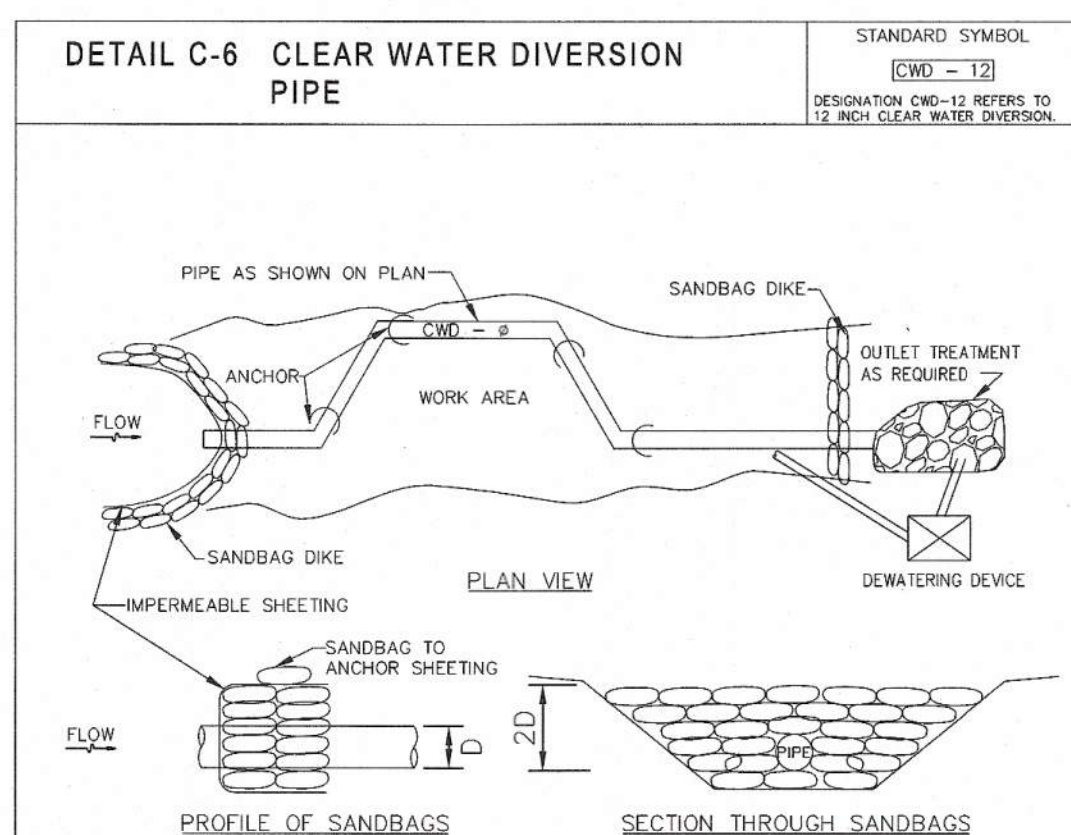


CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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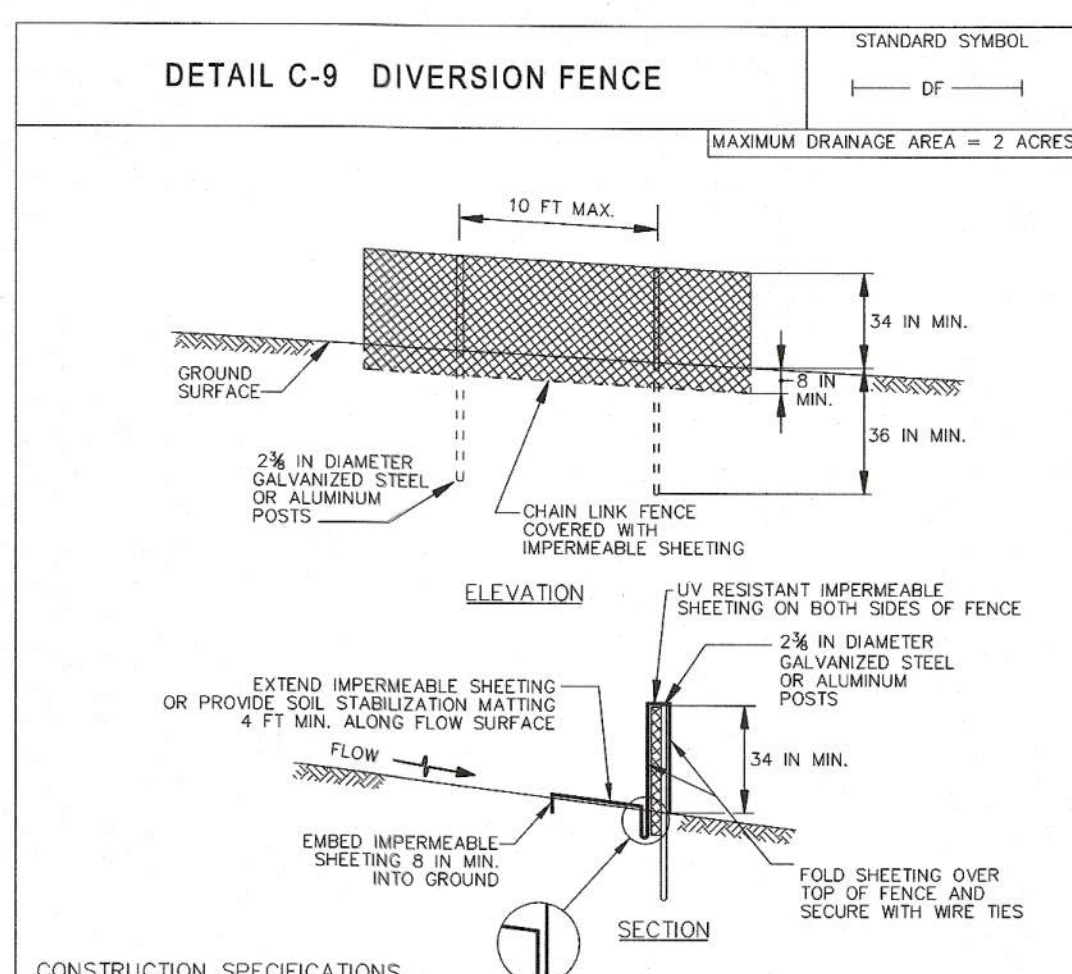


CONSTRUCTION SPECIFICATIONS

1. FLEXIBLE PIPE IS PREFERRED. HOWEVER, CORRUGATED METAL PIPE OR EQUIVALENT PVC PIPE CAN BE USED. MAKE ALL JOINTS WATERTIGHT.
2. FOR SANDBAGS USE MATERIALS THAT ARE RESISTANT TO ULTRA-VIOLET RADIATION, TEARING, AND PUNCTURE AND WOVEN TIGHTLY ENOUGH TO PREVENT LEAKAGE OF FILL MATERIAL.
3. USE 10 MIL OR THICKER, UV RESISTANT, IMPERMEABLE SHEETING OR OTHER APPROVED MATERIAL THAT IS IMPERMEABLE AND RESISTANT TO PUNCTURING AND TEARING.
4. PLACE IMPERMEABLE SHEETING SUCH THAT UPGRADE PORTION OVERLAPS DOWNGRADE PORTION BY A MINIMUM OF 18 INCHES.
5. SET HEIGHT OF SANDBAG DIKE AT TWICE THE PIPE DIAMETER. MAINTAIN HEIGHT ALONG LENGTH OF SANDBAG DIKE. PLACE DOUBLE ROW OF SANDBAGS.
6. AT A MINIMUM, SECURELY ANCHOR DIVERSION PIPE AT EACH DOWNGRADE JOINT.
7. SET OUTLET END OF DIVERSION PIPE LOWER THAN INLET END.
8. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
9. DEWATER WORK AREA USING AN APPROVED EROSION AND SEDIMENT CONTROL PRACTICE AS SPECIFIED ON APPROVED PLAN.
10. KEEP POINT OF DISCHARGE FREE OF EROSION. MAINTAIN WATER TIGHT CONNECTIONS AND POSITIVE DRAINAGE. REPLACE SANDBAGS AND IMPERMEABLE SHEETING IF TORN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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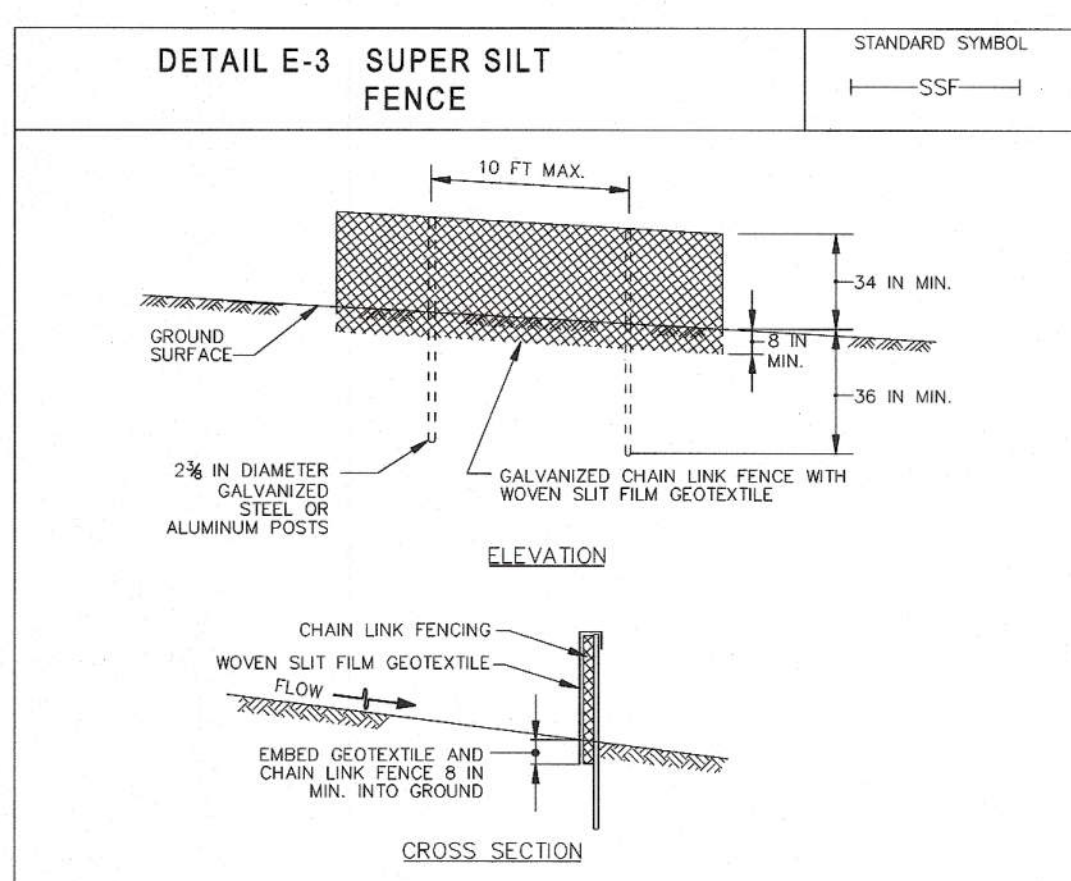


CONSTRUCTION SPECIFICATIONS

1. USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2 1/2 INCH MAXIMUM OPENING).
2. USE 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
4. SECURE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND BELOW GROUND SURFACE.
5. EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURFACE AND EMBED END A MINIMUM OF 8 INCHES INTO GROUND. SOIL STABILIZATION MATING MAY BE USED IN LIEU OF IMPERMEABLE SHEETING ALONG FLOW SURFACE.
6. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNGRADE.
7. KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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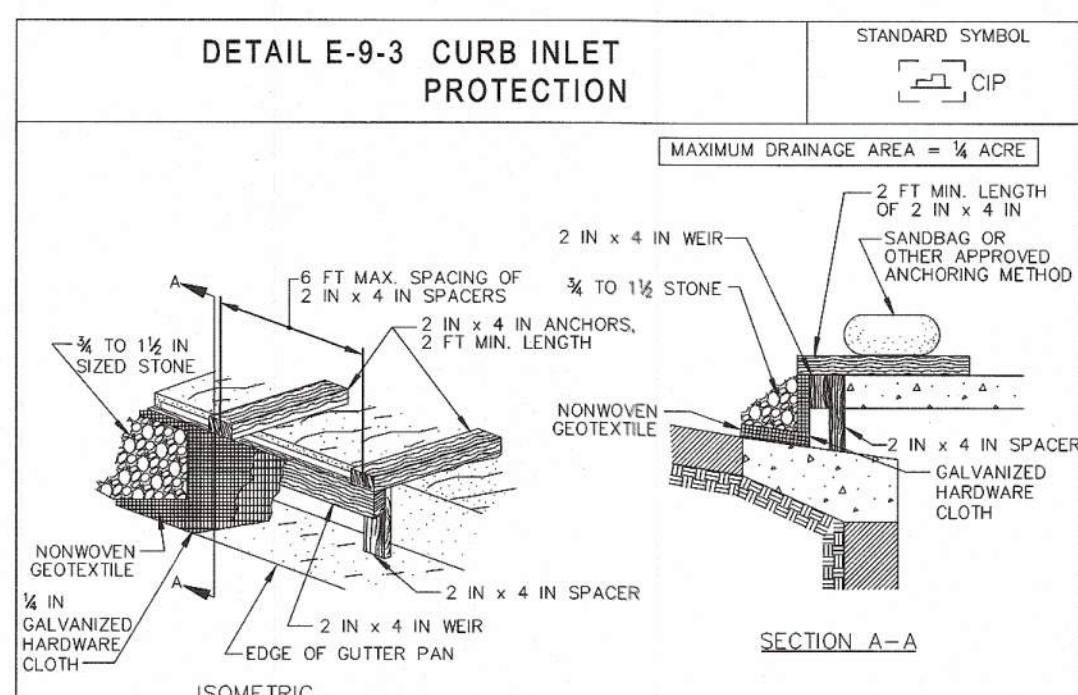


CONSTRUCTION SPECIFICATIONS

1. INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 1/2 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSIDE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSIDE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS REQUIREMENTS IN SECTION H-1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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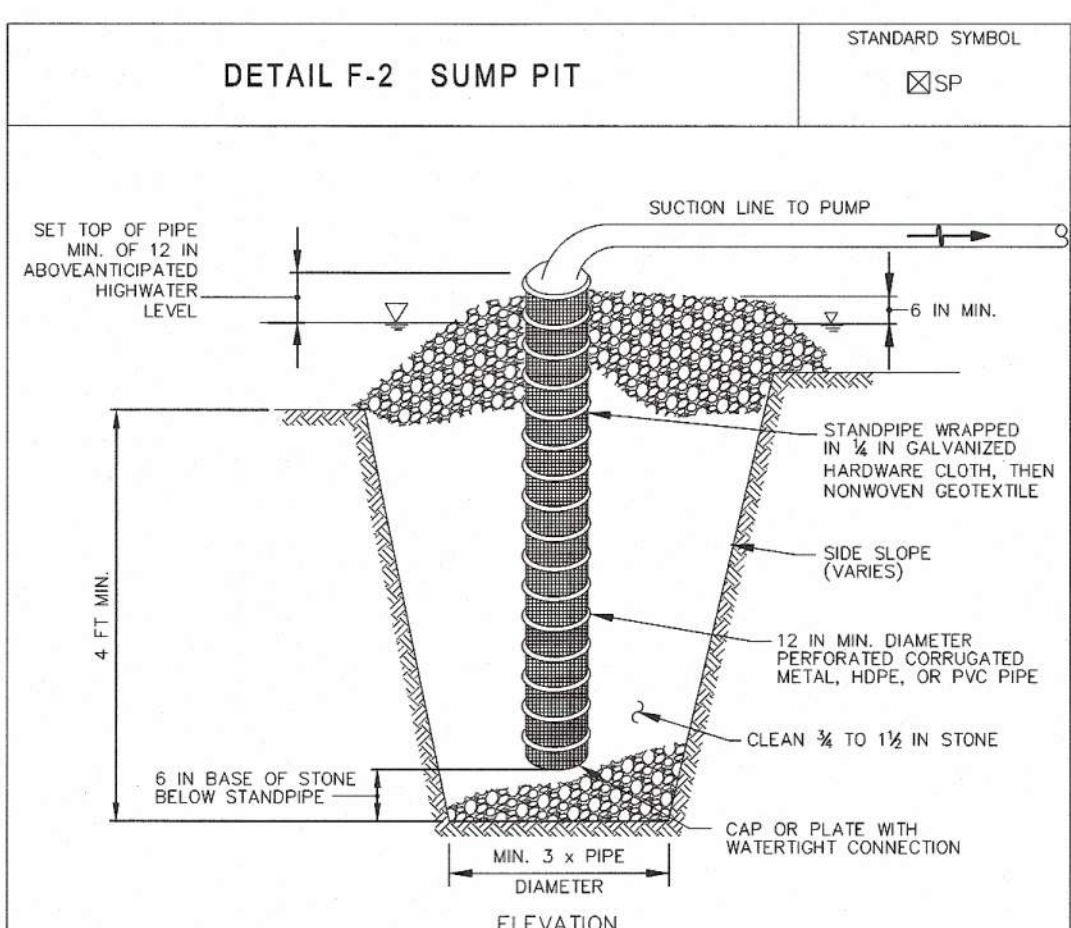


CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH x 4 INCH LUMBER
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
4. ATTACH A CONTINUOUS PIECE OF 1/4 INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING 17.2 FEET BEYOND THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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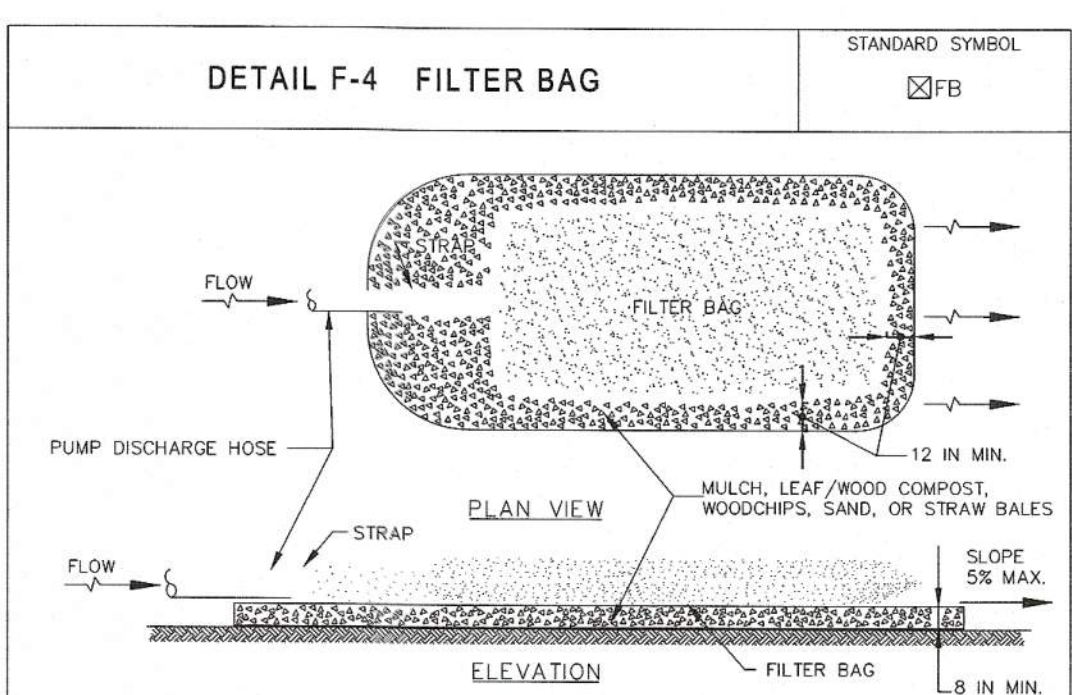


CONSTRUCTION SPECIFICATIONS

1. USE 12 INCH OR LARGER DIAMETER CORRUGATED METAL, HDPE, OR PVC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER. BOTTOM OF PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
2. WRAP PIPE WITH 1/4 INCH GALVANIZED HARDWARE CLOTH AND WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
3. EXCAVATE PIT TO THREE TIMES THE PIPE DIAMETER AND FOUR FEET IN DEPTH. PLACE 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
4. SET TOP OF PIPE MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
5. BACKFILL PIT AROUND THE PIPE WITH 3/4 TO 1 1/2 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE, AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
6. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
7. A SUMP PIT REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, REMOVE PERFORATED PIPE AND REPLACE GEOTEXTILE AND STONE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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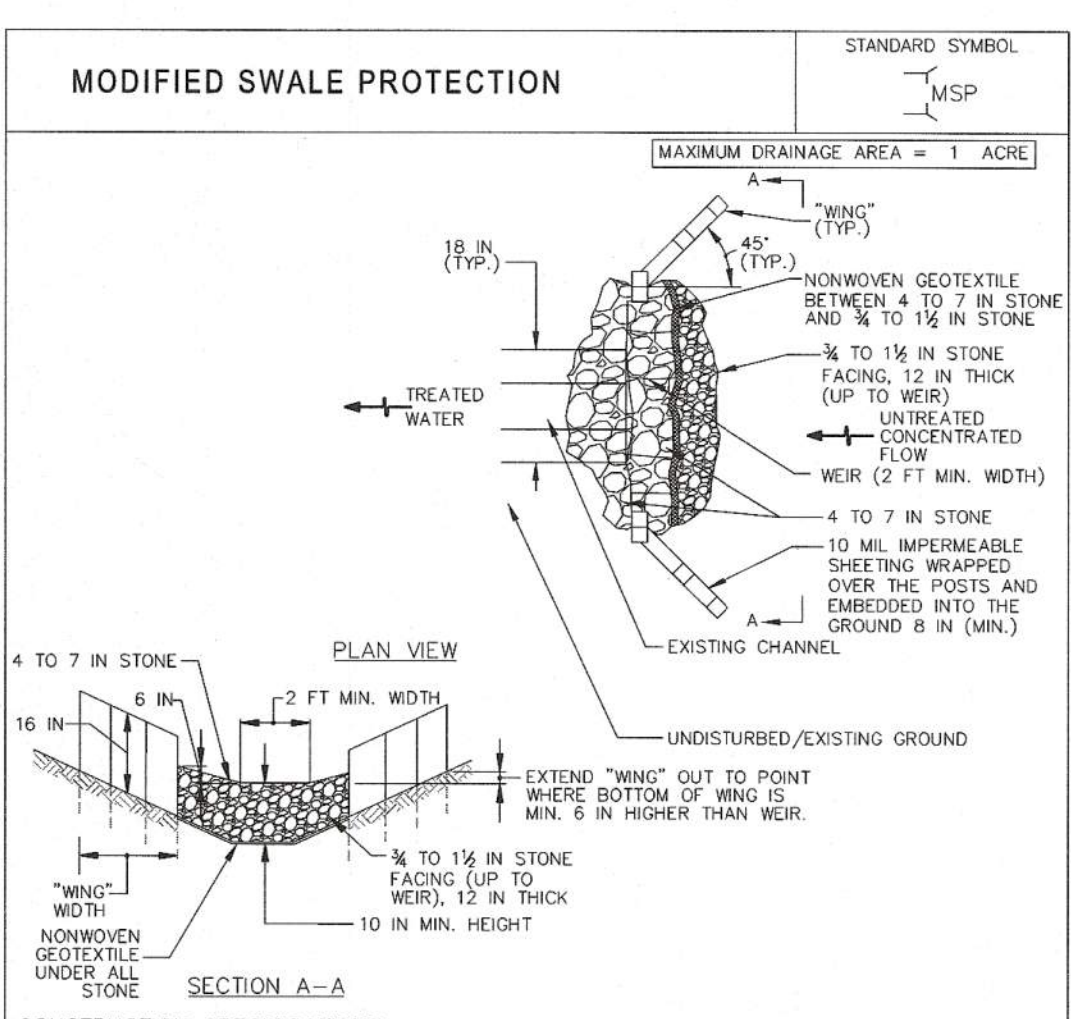
CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT ²	ASTM D-4491
PERMITTIVITY (SEC ⁻¹)	1.2 SEC ⁻¹	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632
6. REPLACE FILTER BAG IF BAG CLOSOS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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CONSTRUCTION SPECIFICATIONS

1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. INSTALL SILT FENCE ON ALL SIDES OF INLET RECEIVING SHEET FLOW. FENCE IS TO BE INSTALLED IN ACCORDANCE WITH SILT FENCE DETAIL E-1, EXCEPT POSTS ARE TO BE SPACED A MAXIMUM OF 5 FEET APART.
3. INSTALL STONE STRUCTURE WITH THE WEIR 10 INCHES ABOVE THE INVERT OF THE CHANNEL AND THE WEIR OPENING THE SAME WIDTH AS THE CHANNEL BOTTOM OR 2 FEET MINIMUM. USE CLEAN 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE. PLACE NONWOVEN GEOTEXTILE ON THE UPSTREAM FACE AND COVER WITH A 12 INCH THICK LAYER OF CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
4. CONSTRUCT "WINGS" IN ACCORDANCE WITH DIVERSION FENCE DETAIL C-9.
5. MODIFIED SWALE PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

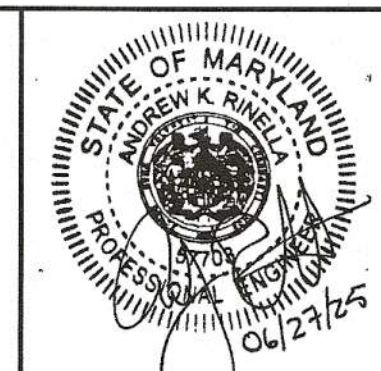
BY: JGW -
PLOT: 7/11/2025
FILE: UNEM Street - Gas House Pike Roundabouts\CAAD\GES-DOO-GHP-CHE-EAST.dgn

**Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval**

By: [Signature]
District Manager or Designee
Date: 8/25/2025
Plan is valid for 2 years from date of approval

SCD approval for erosion and sediment control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THIS DOCUMENT WAS
PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



WB
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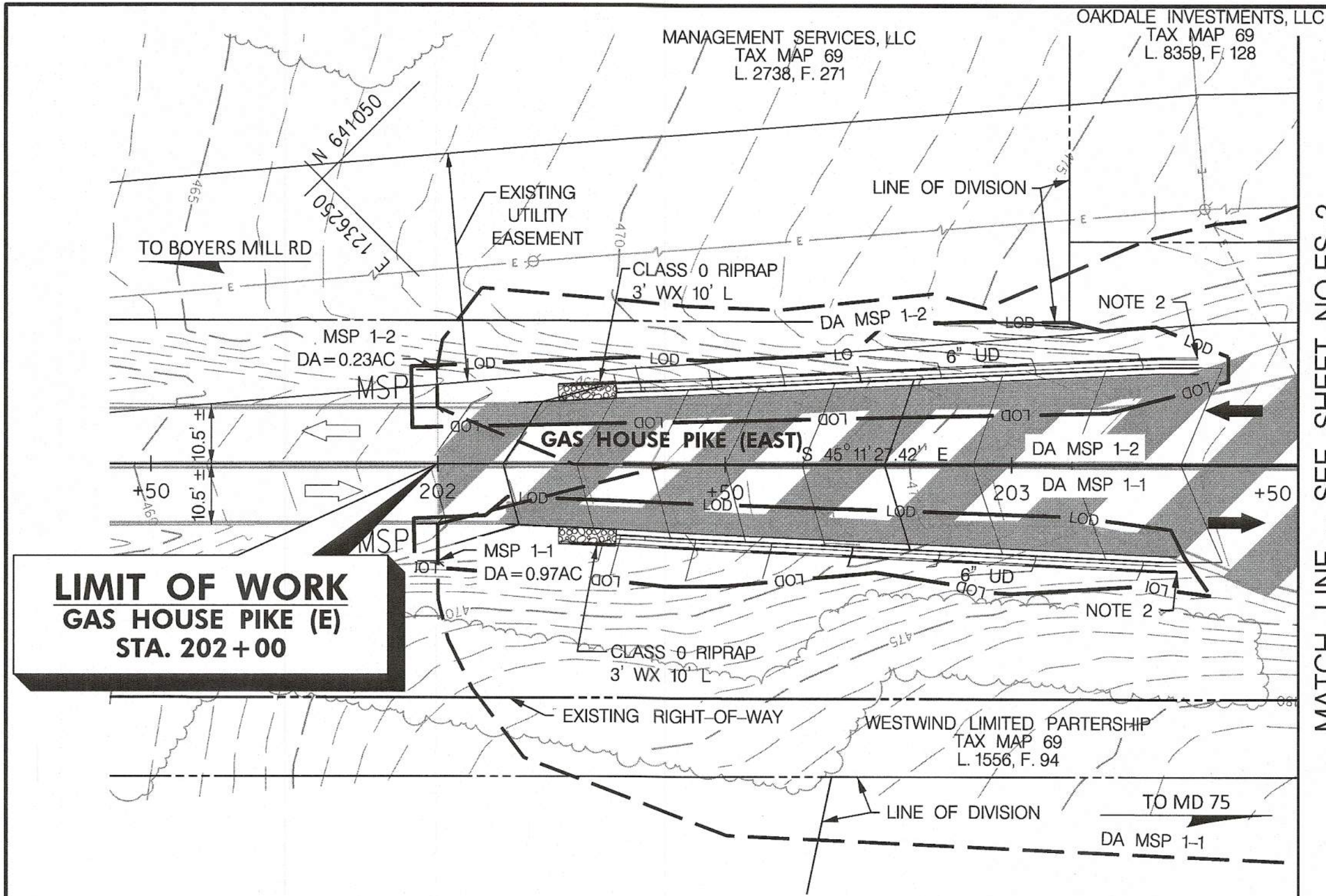
FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

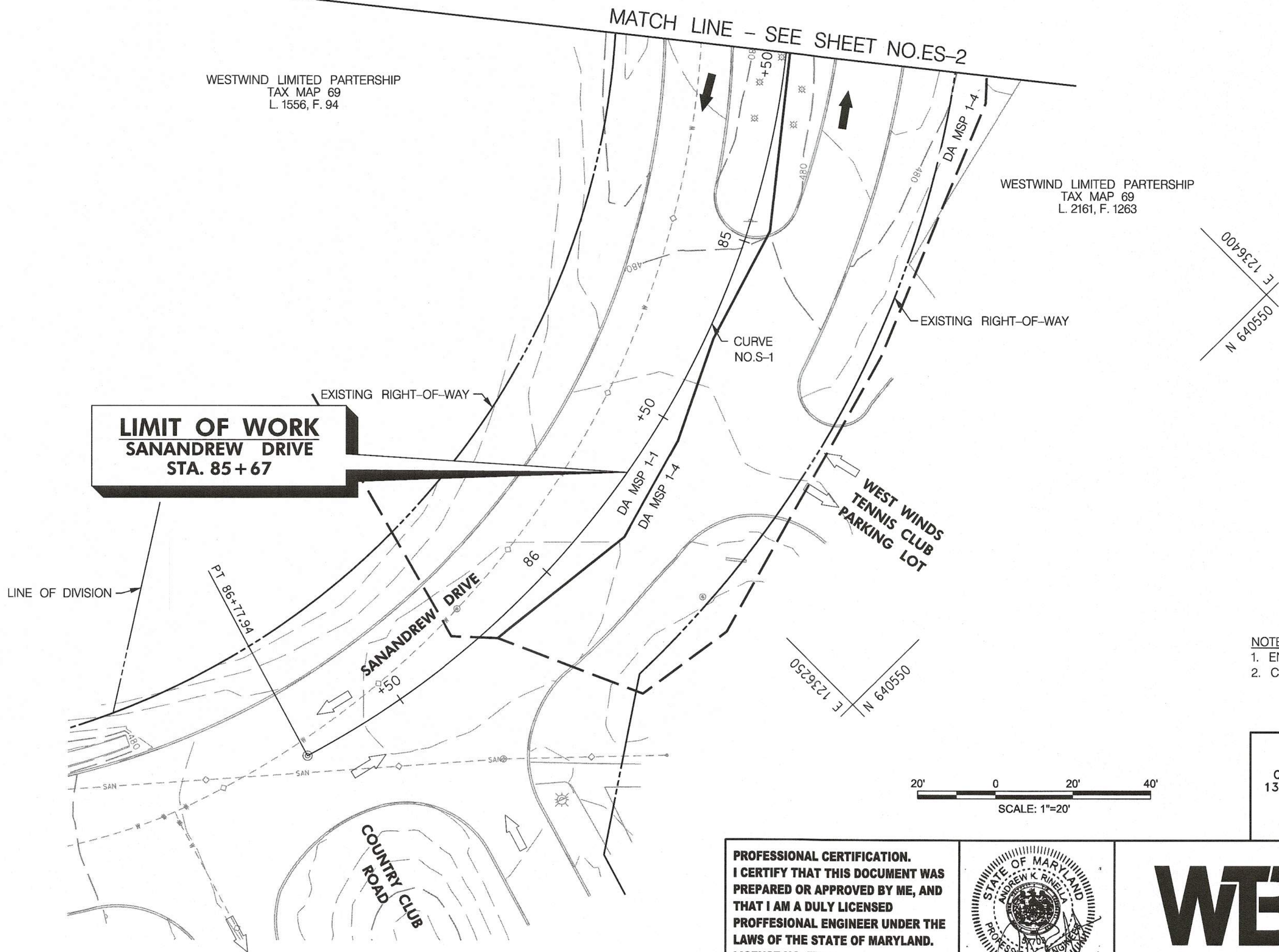
**EROSION AND SEDIMENT CONTROL
STANDARD DETAILS**

DATE: JUNE 2025 SCALE: N/A

A/P #PW277596 DWG. 28 OF 48



MODIFIED SWALE PROTECTION		
ID	LOCATION - STATION	EA
MSP 1-1	LT. STA. 202+00	I
MSP 1-2	RT. STA. 202+00	I



NOTE:
1. ENTIER SHEET FALLS WITHIN THE BdB SOIL GROUP.
2. CAP UNDERDRAIN UNTIL FUTURE STAGE.

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: [Signature]
District Manager or Designee

Date: 8/25/2025
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LEGEND	
	PAVEMENT CONSTRUCTED THIS STAGE
	PAVEMENT CONSTRUCTED PREVIOUS STAGE
	PAVEMENT REMOVED
	CONCRETE AND STAMPED CONCRETE
	SOIL BOUNDARY
	SOIL TYPE

PROFESSIONAL CERTIFICATION.
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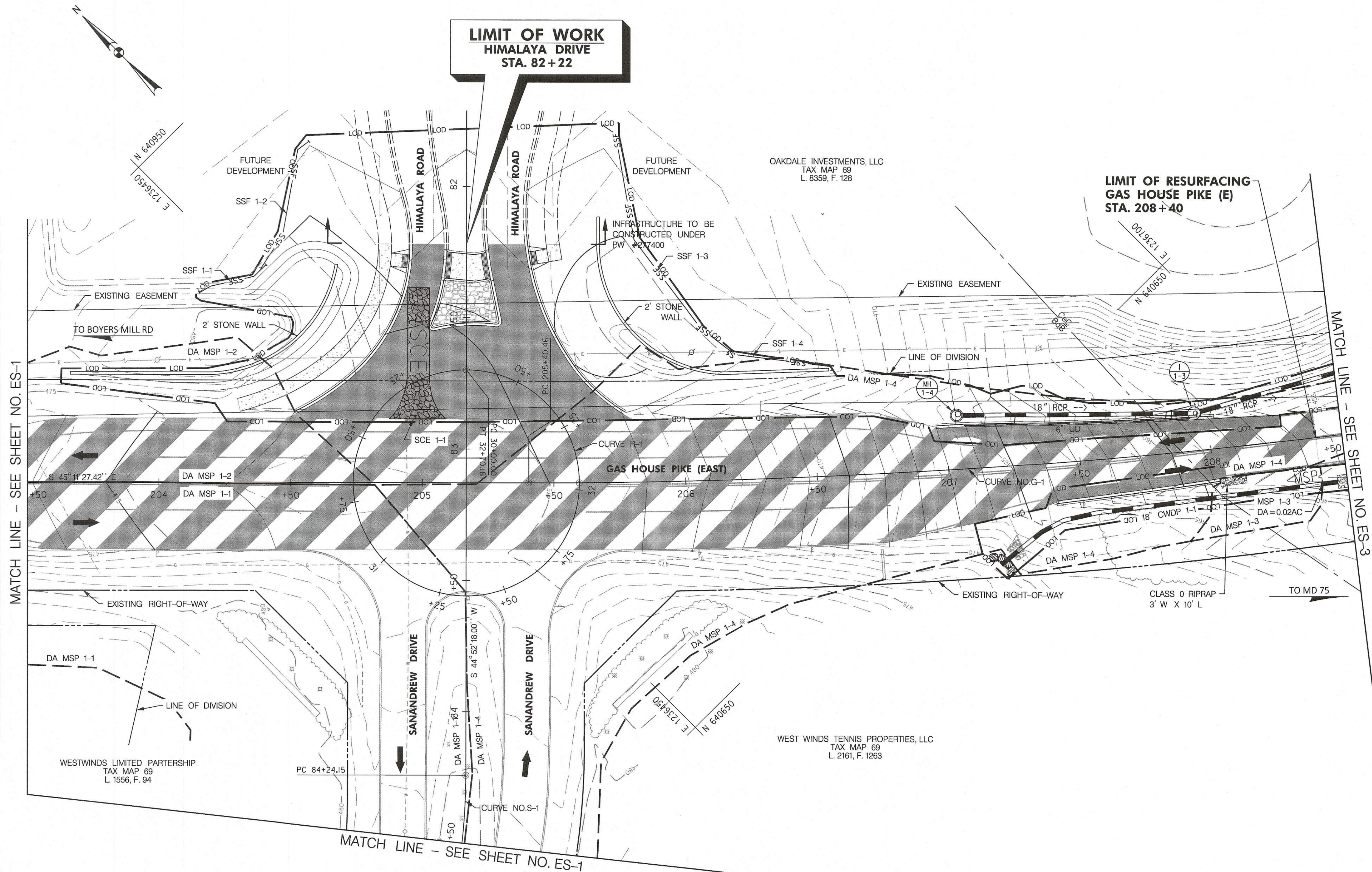
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NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 1**

DATE: JUNE 2025 SCALE: 1" = 20'

A/P #PW277596 DWG. 29 OF 48



STABILIZED CONSTRUCTION ENTRANCE		
ID	LOCATION - STATION	EA
SCE 1-1	LT. STA. 204+99	1

SUPER SILT FENCE		
ID	LOCATION - STATION	LF
SSF 1-1	LT. STA. 204+15 TO LT. STA. 204+40	28
SSF 1-2	LT. STA. 204+39 TO LT. STA. 204+57	54
SSF 1-3	LT. STA. 205+69 TO LT. STA. 206+18	103
SSF 1-4	LT. STA. 206+18 TO LT. STA. 206+57	41

MODIFIED SWALE PROTECTION		
ID	LOCATION - STATION	EA
MSP 1-3	RT. STA. 208+40	1

CLEAR WATER DIVERSION PIPE		
ID	LOCATION - STATION	LF
18" CWDP 1-1	RT. STA. 207+18 TO RT. STA. 208+47	135

MATCH LINE - SEE SHEET NO. ES-1

MATCH LINE - SEE SHEET NO. ES-3

MATCH LINE - SEE SHEET NO. ES-1

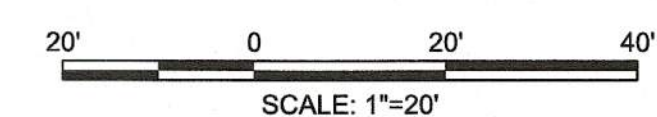
LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- SOIL TYPE

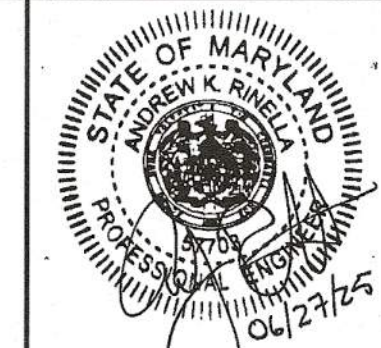
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District Manager or Designee
Date: 8/25/2025
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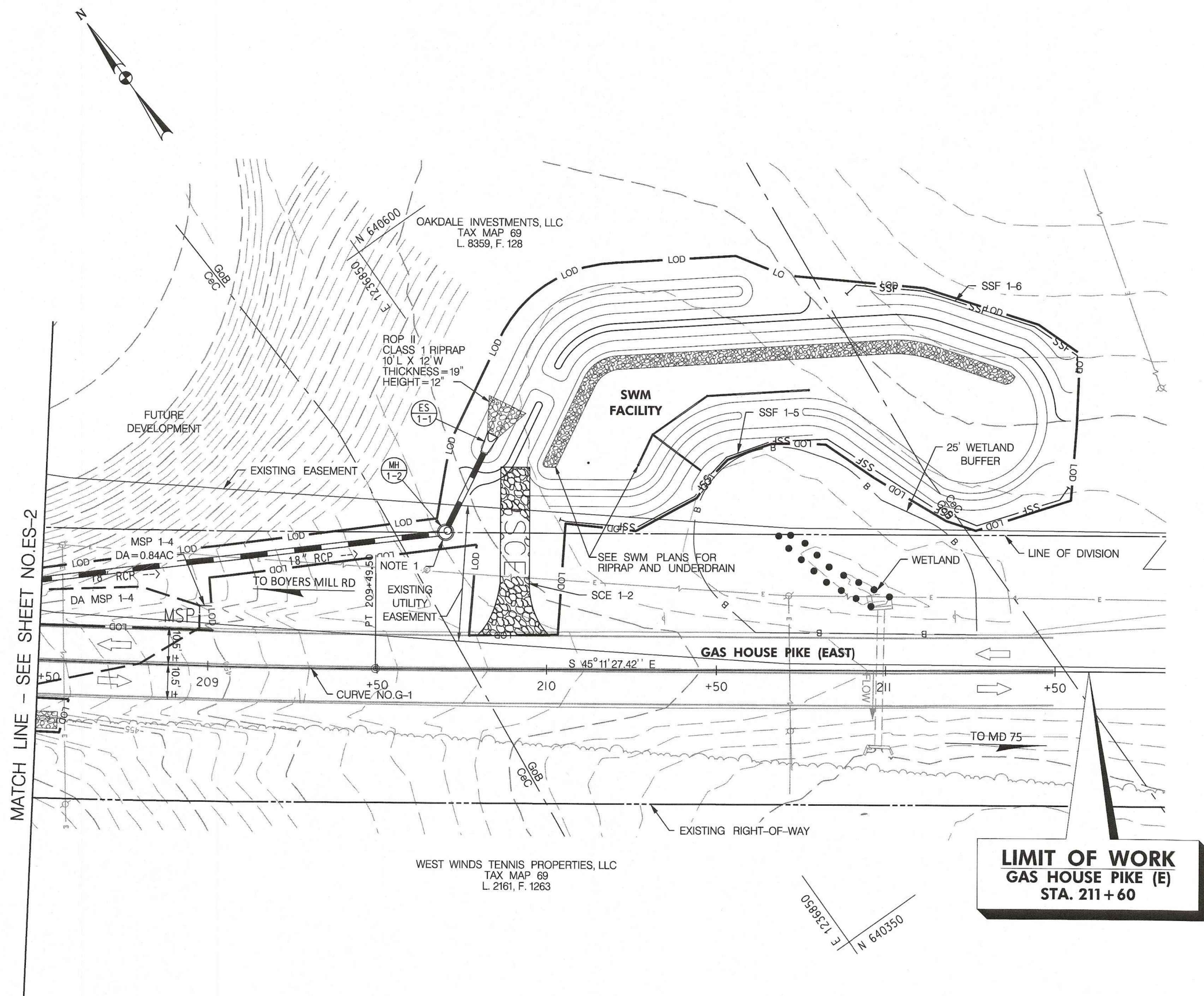
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**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 1**

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 30 OF 48



STABILIZED CONSTRUCTION ENTRANCE		
ID	LOCATION - STATION	EA
SCE 1-2	LT. STA. 209+90	I

SUPER SILT FENCE		
ID	LOCATION - STATION	LF
SSF 1-5	LT. STA. 210+04 TO LT. STA. 211+54	170
SSF 1-6	LT. STA. 210+88 TO LT. STA. 211+56	78

MODIFIED SWALE PROTECTION		
ID	LOCATION - STATION	EA
MSP 1-4	LT. STA. 208+97	I

MATCH LINE - SEE SHEET NO. ES-2

LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- SOIL TYPE

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: 8/25/2025
Plan is valid for 2 years from date of approval

SCD approval for erosion and sediment control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

NOTE:
1. STORM DRAIN TO BE CONSTRUCTED UNDER SAME DAY STABILIZATION.



PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THIS DOCUMENT WAS
PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



WB
CONSULTING ENGINEERS | OWINGS MILLS, MD

THE
WILSON T. BALLARD CO.

DEVELOPER/OWNER:
OAKDALE INVESTMENTS, L.L.C.
1355 BEVERLY ROAD, SUITE 240
MCLEAN, VIRGINIA 22101
(301) 798-7374
RALPH MOBLEY, JR.

FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

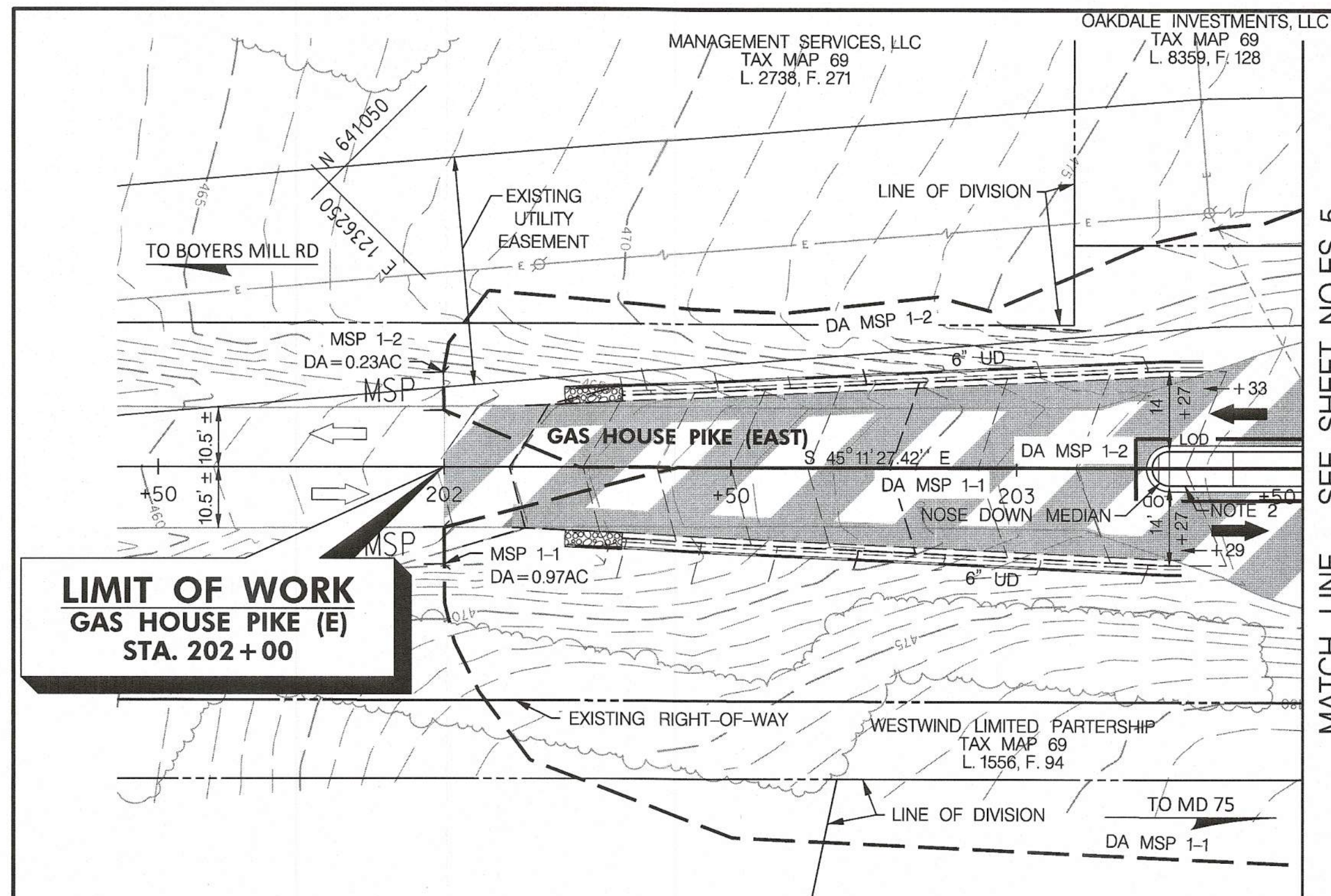
**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 1**

DATE: JUNE 2025 SCALE: 1" = 20'

A/P #PW277596 DWG. 31 OF 48

BY: JCW -
PLOT: 8/13/2025
FILE: J:\GIS\GIS - Gas House Pike Roundabout\VCADD\ES-P201_CIP-DIE-EAST.dgn



LIMIT OF WORK
GAS HOUSE PIKE (E)
STA. 202 + 00

MATCH LINE - SEE SHEET NO.ES-5

WESTWIND LIMITED PARTERSHIP
TAX MAP 69
L. 1556, F. 94

LIMIT OF WORK
SANANDREW DRIVE
STA. 85 + 67

WESTWIND LIMITED PARTERSHIP
TAX MAP 69
L. 2161, F. 1263

NOTE:
1. ENTIRE SHEET FALLS WITHIN THE BdB SOIL GROUP.
2. AREA TO BE CONSTRUCTED UNDER SAME DAY STABILIZATION.

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

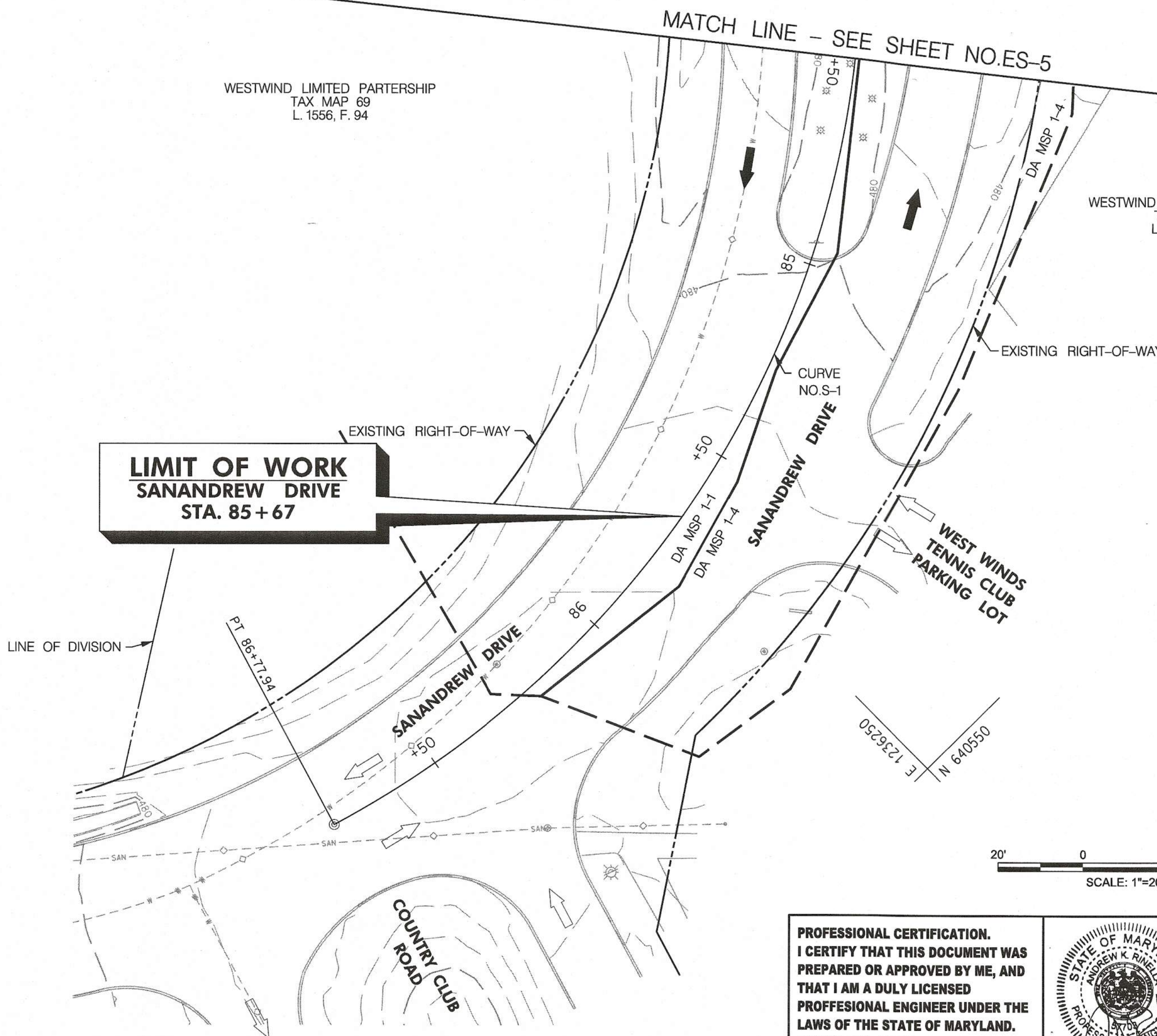
By: _____
District Manager or Designee

Date: 8/25/2025
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LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- AbC SOIL TYPE



20' 0 20' 40'
SCALE: 1"=20'

PROFESSIONAL CERTIFICATION.
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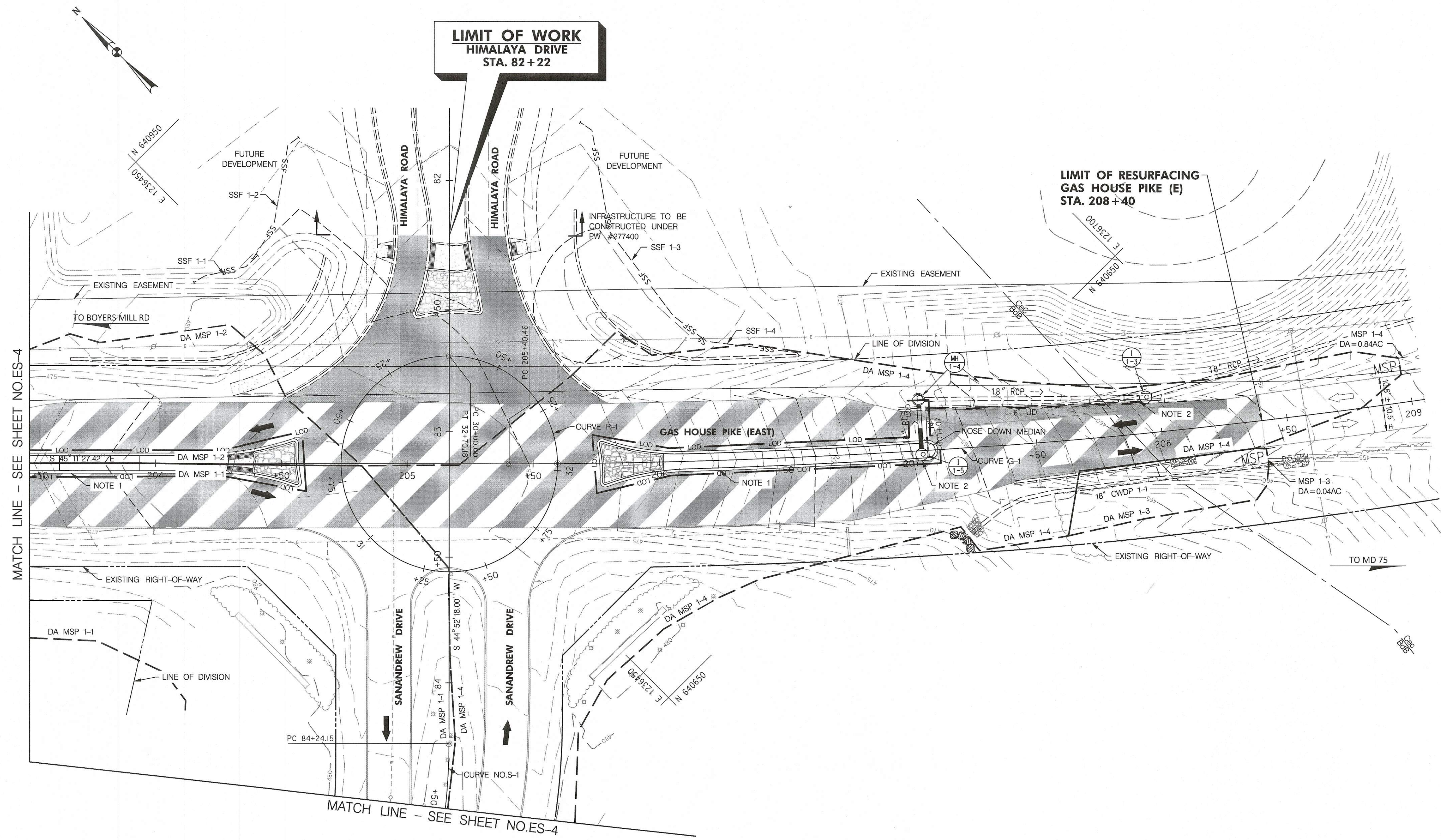
FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)

EROSION AND SEDIMENT CONTROL
STAGE 2

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 32 OF 48

ES-4



LEGEND

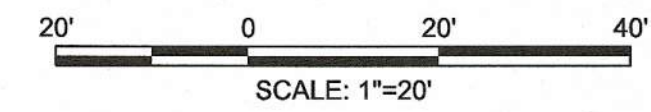
- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- SOIL TYPE

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: District Manager or Designee
Date: 8/25/2025
Plan is valid for 2 years from date of approval

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- NOTE:**
1. AREA TO BE CONSTRUCTED UNDER SAME DAY STABILIZATION.
 2. BLOCK INLET UNTIL STORM WATER MANAGEMENT POND HAS BEEN COMPLETED AND STABILIZED.



PROFESSIONAL CERTIFICATION.
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LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



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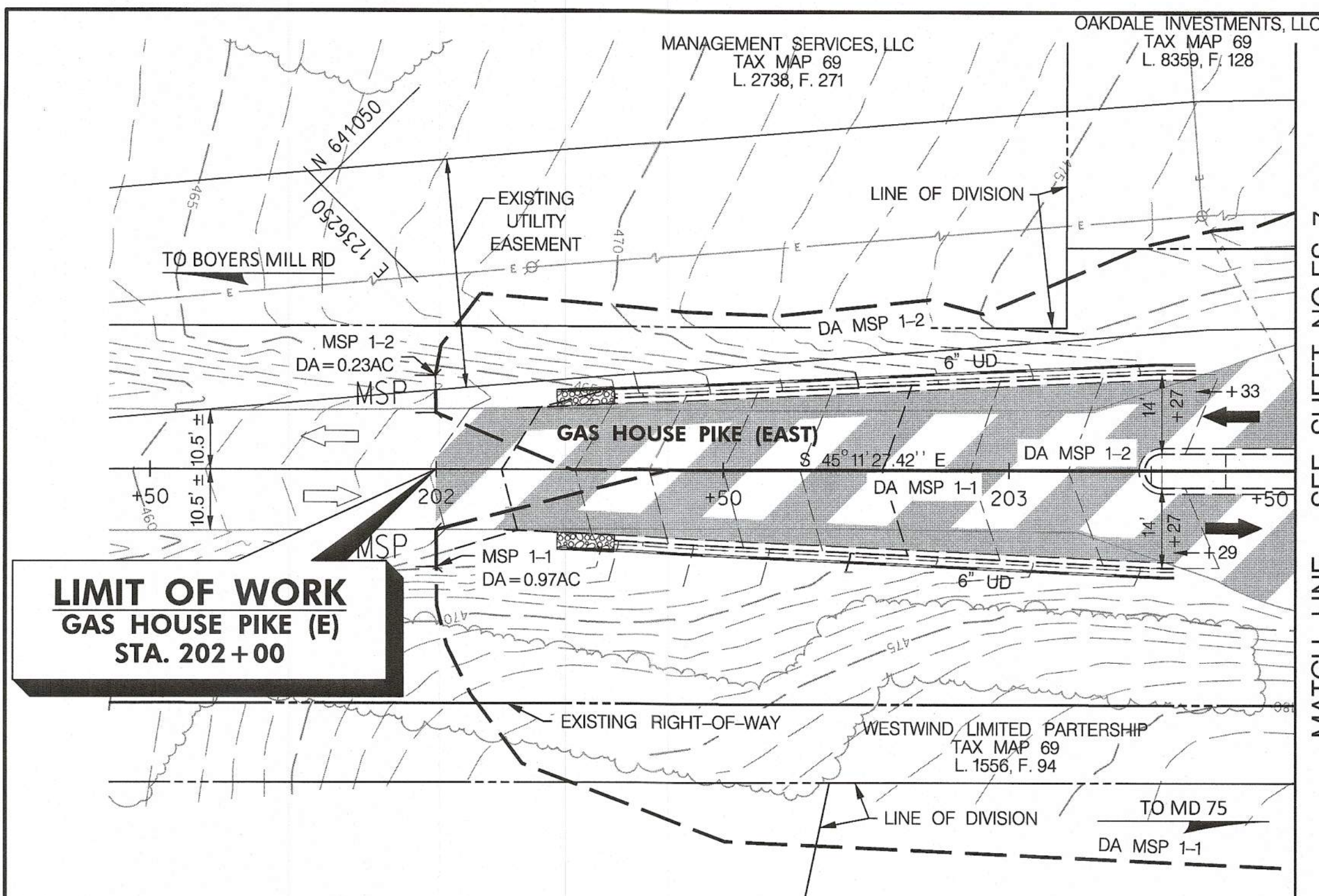
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(301) 798-7374
RALPH MOBLEY, JR.

FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 2**

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 33 OF 48



WESTWIND LIMITED PARTERSHIP
TAX MAP 69
L. 1556, F. 94

**LIMIT OF WORK
SANANDREW DRIVE
STA. 85 + 67**

WESTWIND LIMITED PARTERSHIP
TAX MAP 69
L. 2161, F. 1263

NOTE:
1. ENTIRE SHEET FALLS WITHIN THE BdB SOIL GROUP.

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

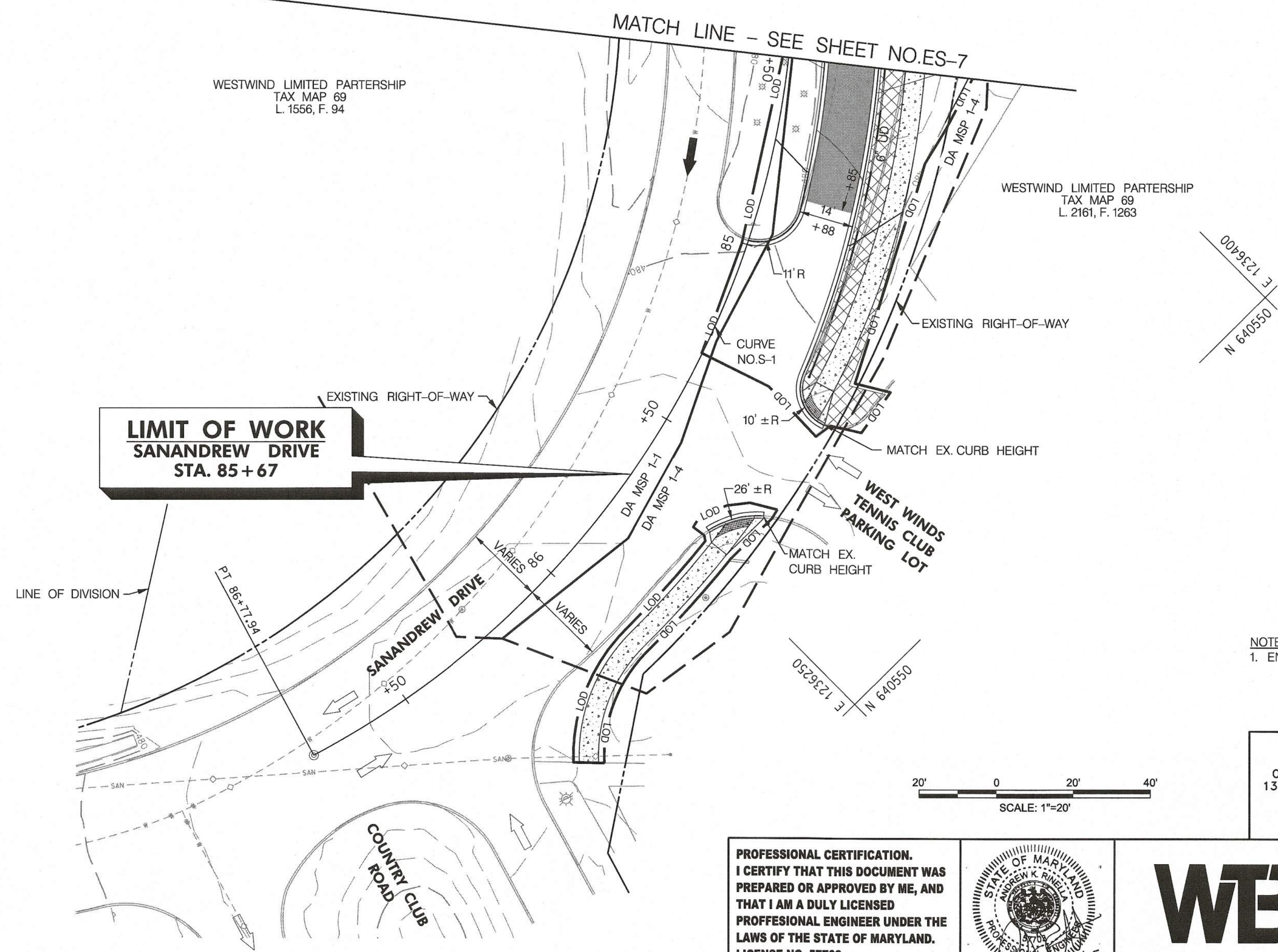
By: [Signature]
District Manager or Designee

Date: 8/25/2025
Plan is valid for 2 years from date of approval

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LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- AbC SOIL TYPE



20' 0 20' 40'
SCALE: 1"=20'

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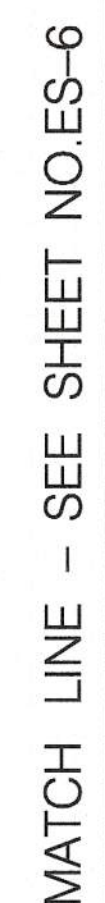
FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDAABOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 3A**

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 34 OF 48

BY: JCW -
PLOTTED: 8/13/2025
FILE: L:\Xm Streets - Gas House Pike Roundabouts\CA00\DES-P3AL-GUP-DIE-EAST.dgn

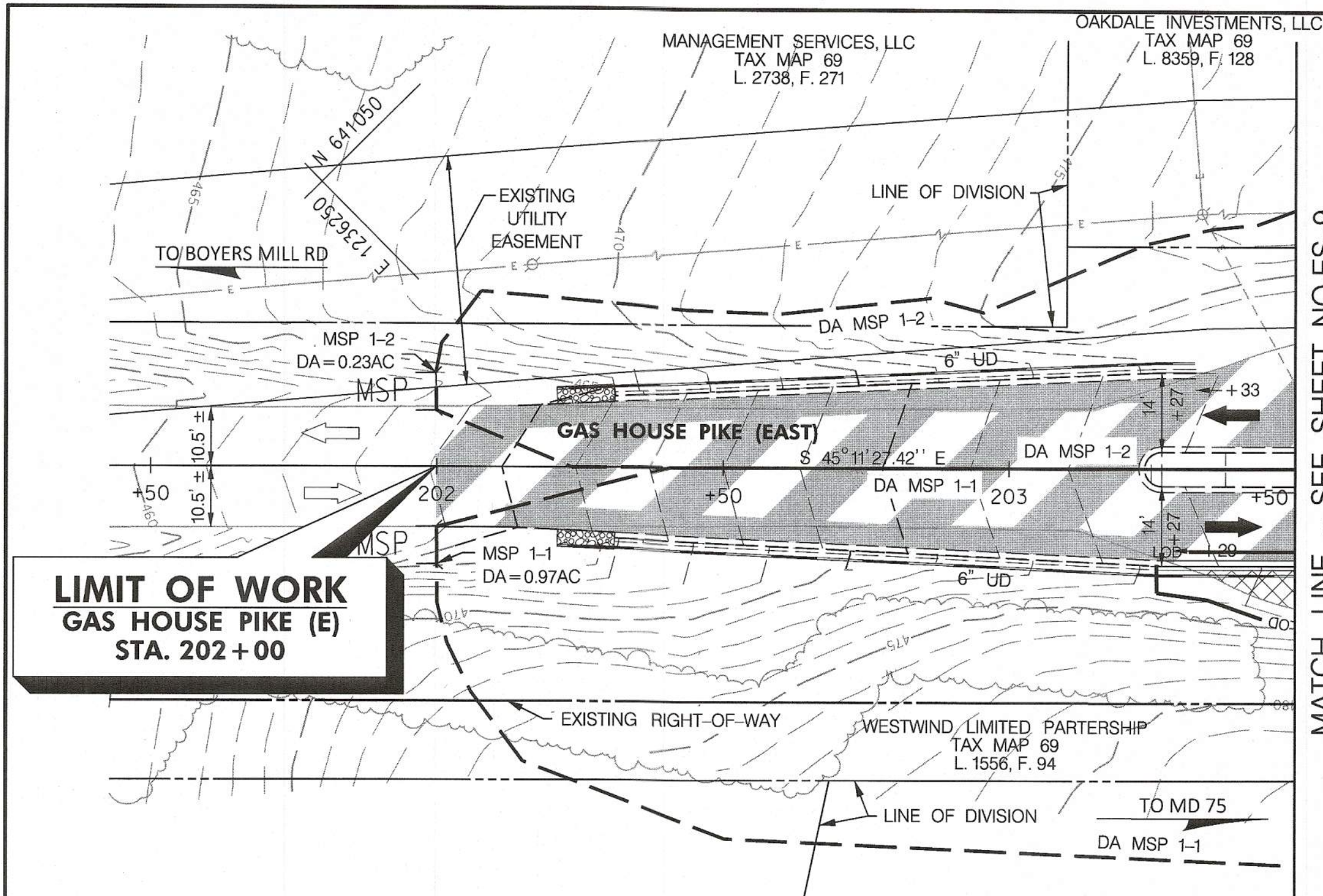


	PAVEMENT CONSTRUCTED THIS STAGE
	PAVEMENT CONSTRUCTED PREVIOUS STAGE
	PAVEMENT REMOVED
	CONCRETE AND STAMPED CONCRETE
	SOIL BOUNDARY
	SOIL TYPE

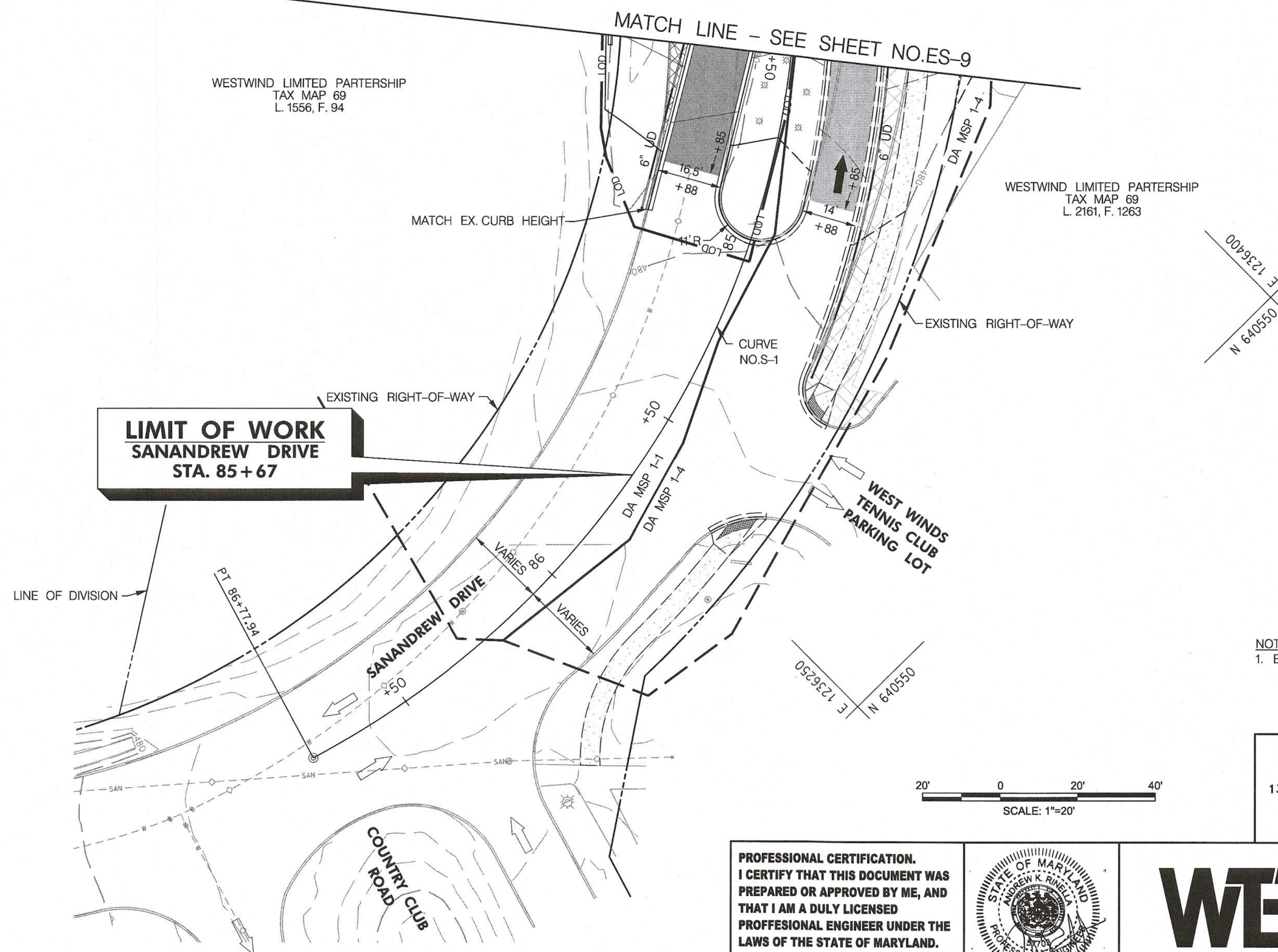
WTB
CONSULTING ENGINEERS | THE WILSON T. BALLARD CO.
OWINGS MILLS, MD

A/P #PW277596	DWG.	35	OF	48
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ES-7



LIMIT OF WORK
GAS HOUSE PIKE (E)
STA. 202 + 00



LIMIT OF WORK
SAN ANDREW DRIVE
STA. 85 + 67

NOTE:
1. ENTIRE SHEET FALLS WITHIN THE BdB SOIL GROUP.

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: [Signature]
District Manager or Designee
Date: 8/25/2025
Plan is valid for 2 years from date of approval

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LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
 - PAVEMENT CONSTRUCTED PREVIOUS STAGE
 - PAVEMENT REMOVED
 - CONCRETE AND STAMPED CONCRETE
 - SOIL BOUNDARY
 - SOIL TYPE
- AbC

PROFESSIONAL CERTIFICATION.
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LICENSE NO. 57703
EXPIRATION DATE: 06-08-2027



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FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

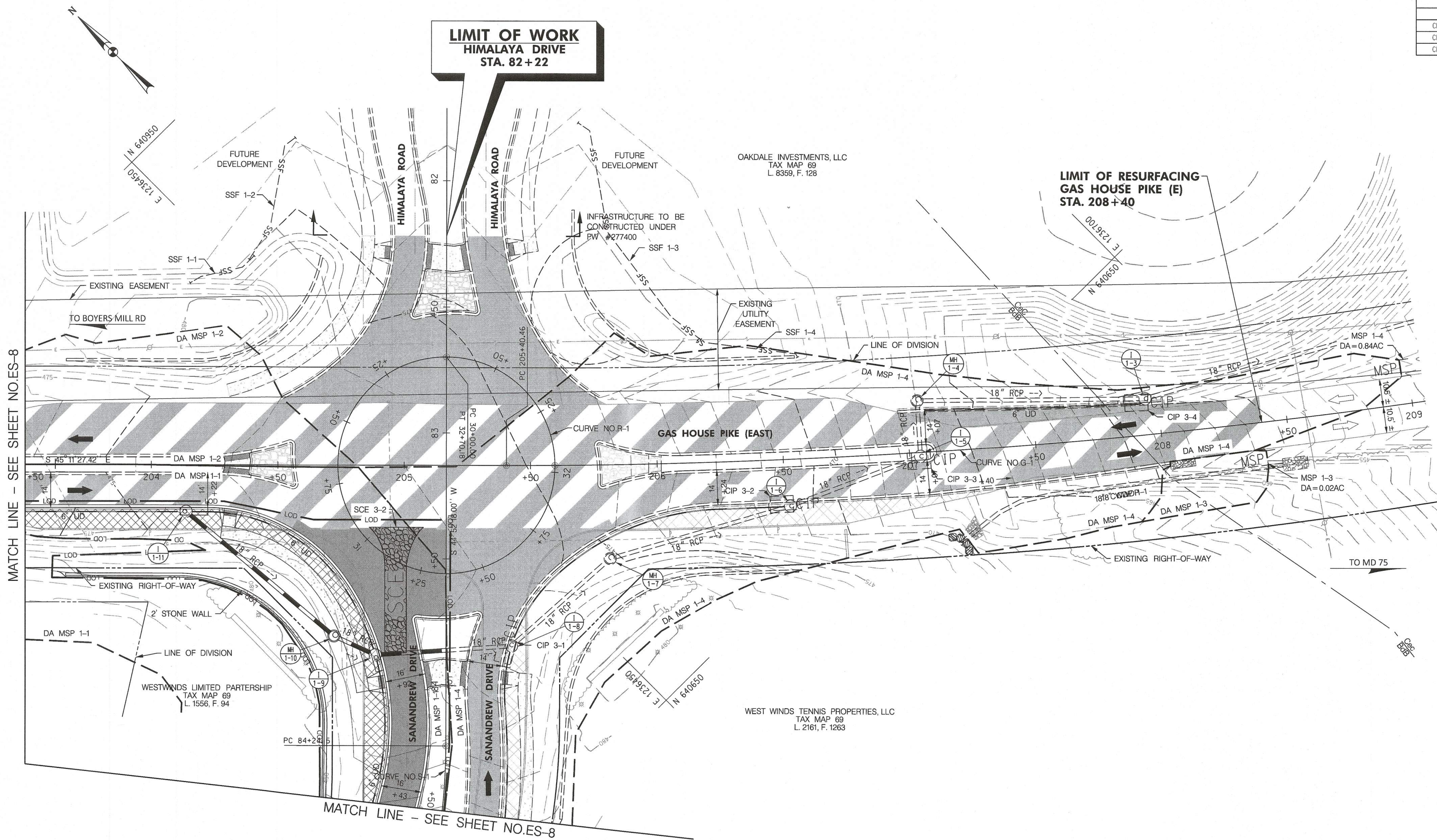
CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)

EROSION AND SEDIMENT CONTROL
STAGE 3B

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 36 OF 48

STABILIZED CONSTRUCTION ENTRANCE		
ID	LOCATION - STATION	EA
SCE 3-2	RT. STA. 204+97	I

INLET PROTECTION		
ID	LOCATION - STATION	TYPE
CIP 3-1	LT. STA. 83+80	CIP
CIP 3-2	RT. STA. 206+49	CIP
CIP 3-3	RT. STA. 207+03	CIP



BY: JCM -
PLOTTED: 8/13/2025
FILE: W:\EIM\Street - Gas House Pike Roundabouts\JCADD\DES-FR22-DWP-CHE-EAST.dgn

LEGEND	
	PAVEMENT CONSTRUCTED THIS STAGE
	PAVEMENT CONSTRUCTED PREVIOUS STAGE
	PAVEMENT REMOVED
	CONCRETE AND STAMPED CONCRETE
	SOIL BOUNDARY
	SOIL TYPE

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: 8/25/2025
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FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 3B**

DATE: JUNE 2025 SCALE: 1" = 20'

A/P #PW277596 DWG. 37 OF 48

ES-9

**LIMIT OF WORK
GAS HOUSE PIKE (E)
STA. 202 + 00**

MATCH LINE - SEE SHEET NOES-11

MATCH LINE - SEE SHEET NO.ES-11

**LIMIT OF WORK
SANANDREW DRIVE
STA. 85 + 67**

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

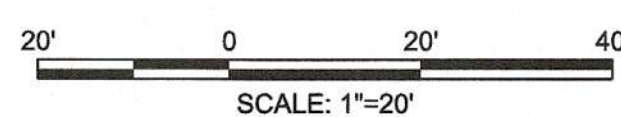
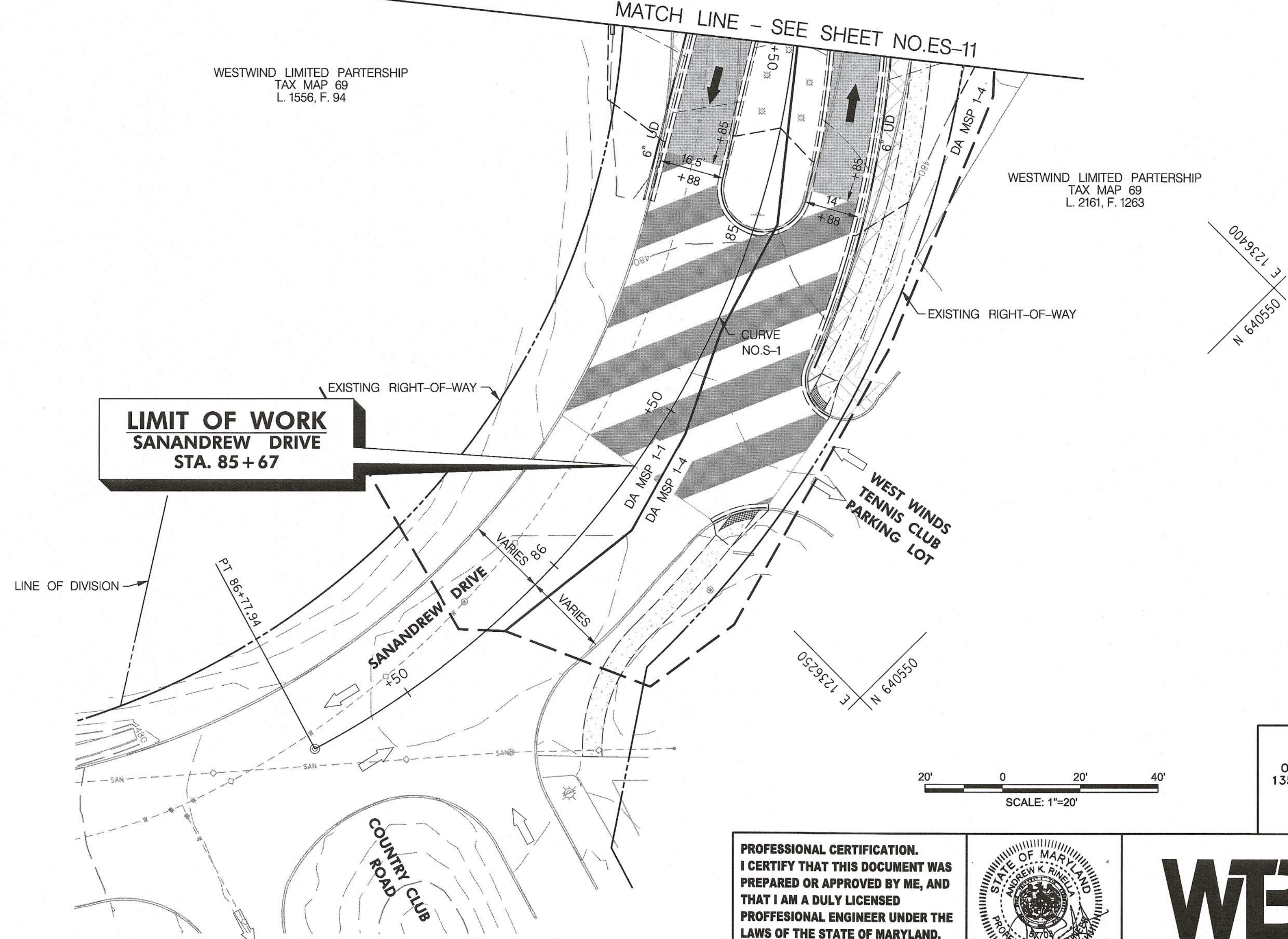
By: [Signature]
District Manager or Designee

Date: 8/25/2025
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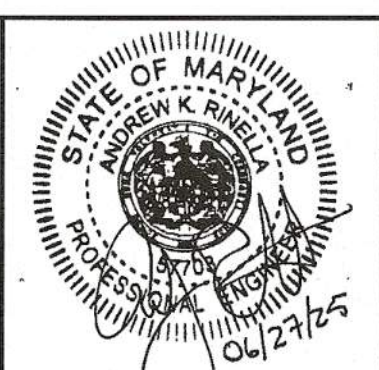
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LEGEND

	PAVEMENT CONSTRUCTED THIS STAGE
	PAVEMENT CONSTRUCTED PREVIOUS STAGE
	PAVEMENT REMOVED
	CONCRETE AND STAMPED CONCRETE
	SOIL BOUNDARY
	SOIL TYPE



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**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

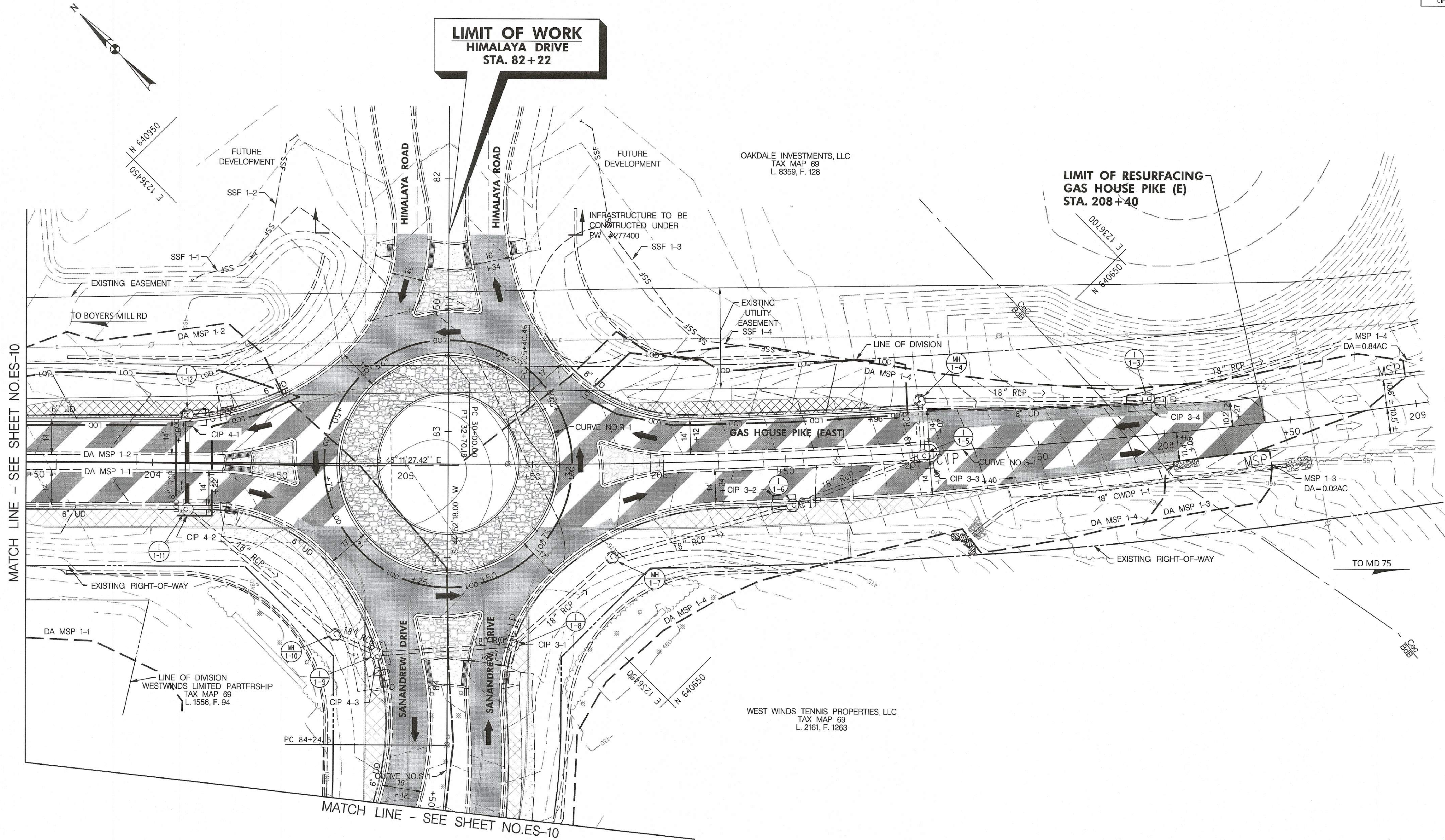
**EROSION AND SEDIMENT CONTROL
STAGE 4**

DATE: JUNE 2025 SCALE: 1" = 20'

A/P #PW277596 DWG. 38 OF 48

BY: JCW -
PLOTTER: 8/13/2025
FILE: W:\Main Street - Gas House Pike Roundabout\UCADD\ES-P40_GHP-CHE-EAST.dgn

INLET PROTECTION		
ID	LOCATION - STATION	TYPE
CIP 4-1	LT. STA. 204+15	CIP
CIP 4-2	RT. STA. 204+15	CIP
CIP 4-3	RT. STA. 83+92	CIP



MATCH LINE - SEE SHEET NO.ES-10

MATCH LINE - SEE SHEET NO.ES-11

LEGEND

- PAVEMENT CONSTRUCTED THIS STAGE
- PAVEMENT CONSTRUCTED PREVIOUS STAGE
- PAVEMENT REMOVED
- CONCRETE AND STAMPED CONCRETE
- SOIL BOUNDARY
- AbC SOIL TYPE

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

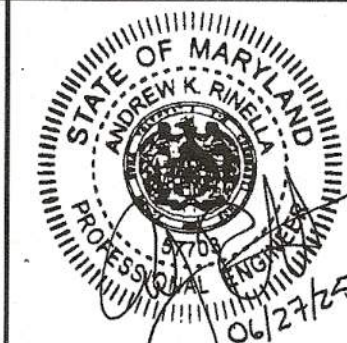
By: [Signature]
District Manager or Designee

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20' 0 20' 40'
SCALE: 1"=20'

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FREDERICK COUNTY, MARYLAND
TAX MAP 69, L. 8359, F. 128
NEW MARKET ELECTION DISTRICT NO. 9

**CREEKSIDE HAMPTONS EAST
ROUNDBOUT AT GAS HOUSE PIKE
AND HIMALAYA ROAD (EAST)**

**EROSION AND SEDIMENT CONTROL
STAGE 4**

DATE: JUNE 2025 SCALE: 1" = 20'
A/P #PW277596 DWG. 39 OF 48

ES-11