

SENERAL NOTES			
OWNER/DEVELOPER:	AK GHAURI LLC 5915 CLEAR RIDG ELKRIDGE, MD. 21		NATURA
	KHALID AZAM 410-336-9925		WETLANDS
PROPERTY AREA: 35,37	73 SF 0.812 Ac.		MAJOR WATER
SITE AREA/LOD: 15,32 EXISTING BUILDING:	25 SF 0.352 AC.± 2 146 SF		FLOODPLAINS
PROPOSED BUILDING: ZONING: SETBACKS FOR B-2:		3,222) NERAL	
SETBACKS FOR B-2:	DEOLINDED		TIDAL AND N
PUBLIC STREET	INCOUNTED	PROVIDED	WETLANDS OF
BUILDING SETBAC	K 30'	82'±	WETLAND BUI
PARKING SETBACK	( 10'	81'±	STREAM BUFF
		ULT	PERENNIAL S
RESIDENTIAL ZON			FLOODPLAINS
BUILDING SETBAC	K 30'	30'±	FORESTS
PARKING SETBACH	< 30'	47.3'±	FOREST BUFF
DEED REF: TAX ACCOUNT NO.:	12584/429		CRITICAL ARE
). WATERSHED: LITTLI	E PATUXANT RIVER		
	12 DIGIT - (02130	09061017) 027C0090D DATED NOV.	STEEP SLOPE
	REAM BANK BUFFE	RS, WETLANDS, FORESTED	HIGHLY EROD
AREAS, STEEP SLOPES	OR SPECIMEN TREE	ES ON PROPERTY. (SITE	ENHANCED S
VERIFICATION: PATRICK 2. HIGHLY ERODIBLE SOILS		. MD. PE #16597)	TOPOGRAPHY
3. TAX MAP: 24 GRID: 24	PARCEL: 444		SPRINGS
<ol> <li>PROPERTY BOUNDARY II</li> <li>THE PURPOSE OF THIS</li> </ol>			SEEPS
5. PARKING <u>USE</u>	I LAN IS FUR NEW	SHE DEVELOPMENT. REQUIRED	INTERMITTENT
EXISTING MOTOR VEHICL			VEGETATIVE C
FACILITY WITH PROPOSE		ORE	SOILS
E COLOCO DED 4	000 05 0 000		Charles and the second s

2,228 SF 12 SPACES 2 SPACES TOTAL REQUIRED 14 SPACES

TOTAL PROVIDED 14 SPACES

(INCLUDING 1 HC)

5 SPACES PER 1,000 SF @ 2,228 SF

APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF SUBSEQUENT AND ASSOCIATED PLANS. REVIEW OF THIS PROJECT FOR

DEVELOPMENT REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN

LIMIT OF DISTURBANCE IS 15,325 SF WHICH IS LESS THAN

EARTHWORKS SUMMED (CUT-460 + FILL-50) IS 510 CY

COMPLIANCE WITH FOREST CONSERVATION ACT. THE SITE NET TRACT

COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS

PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

18. A STANDARD EROSION & SEDIMENT CONTROL PLAN WILL BE USED.

WHICHIS LESS THAN 1,000 CY.

19. SITE HISTORY: SDP-97-063 (PREVIOUSLY APPROVED) 20. THE PROPOSED COMMERCIAL REDEVELOPMENT IS EXEMPT FROM

COMPLIANCE WITH HOWARD COUNTY SUBDIVISION AND LAND

STAGE. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAIL REVIEW COMMENTS (INCLUDING

CAR WASH

30,000 SF.

AREA IS <40,000 SF.

	EXIS	TING DRA	INAGE A	REA	COMPS	- SHEET	FLOW
REFERENCE POINT	DRAINAGE AREA	AREA (AC/SM)	TIME OF CONC. (HR)	RCN	*Q1(CFS)	*Q2 (CFS)	*Q <sub>10</sub> (CFS)
EX. SWALE © SE PL	٨	0.138 AC 0.00022 SM	0.10	75	0.15	0.23	0.50
EX. TRENCH © SE SITE	B	0.239 AC 0.00037 SM	0.10	94	0.75	0.95	1.58
EX. TRENCH O NW SITE	C	0.374 AC 0.00058 SM	0.10	92	1.08	1.38	2.35
ex. Inlet O NW Site	D	0.126 AC 0.00020 SM	0.10	74	0.13	0.20	0.44

'N(	)TE:	FLOWRATES	DETERMINED	FROM	TR-55	(SEE A	PPENDIX	'D'	OF	SWM	REPORT	)
												,

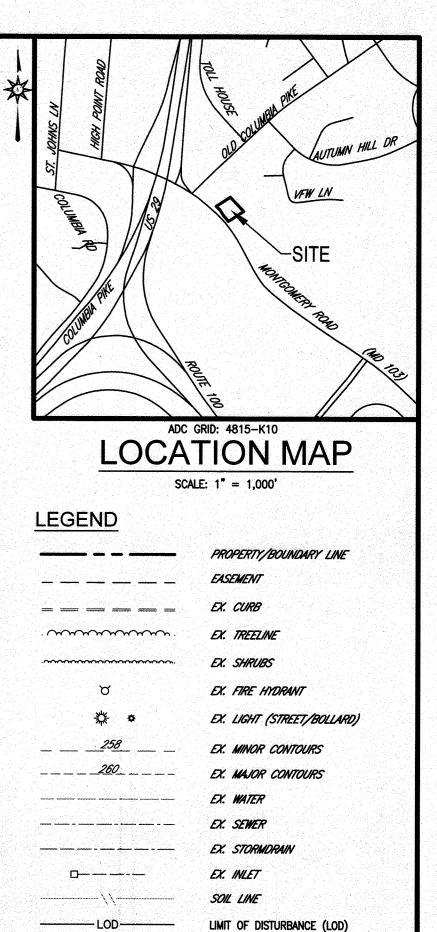
EXISTIN	G DRAINAGE	AREA SUM	ARY TABLE	- CHANNEI	FLOW
REFERENCE POINT & TR-20 XSECT	ASSOCIATED DRAINAGE AREAS	** Q <sub>1</sub> (CFS)	**Q2 (CFS)	**Q <sub>10</sub> (CFS)	**Q <sub>100</sub> (CFS)
POI / 007	A, B, C, D	1.91	2.47	4.27	N/A

**PROFESSIONAL CERTIFICATION** 

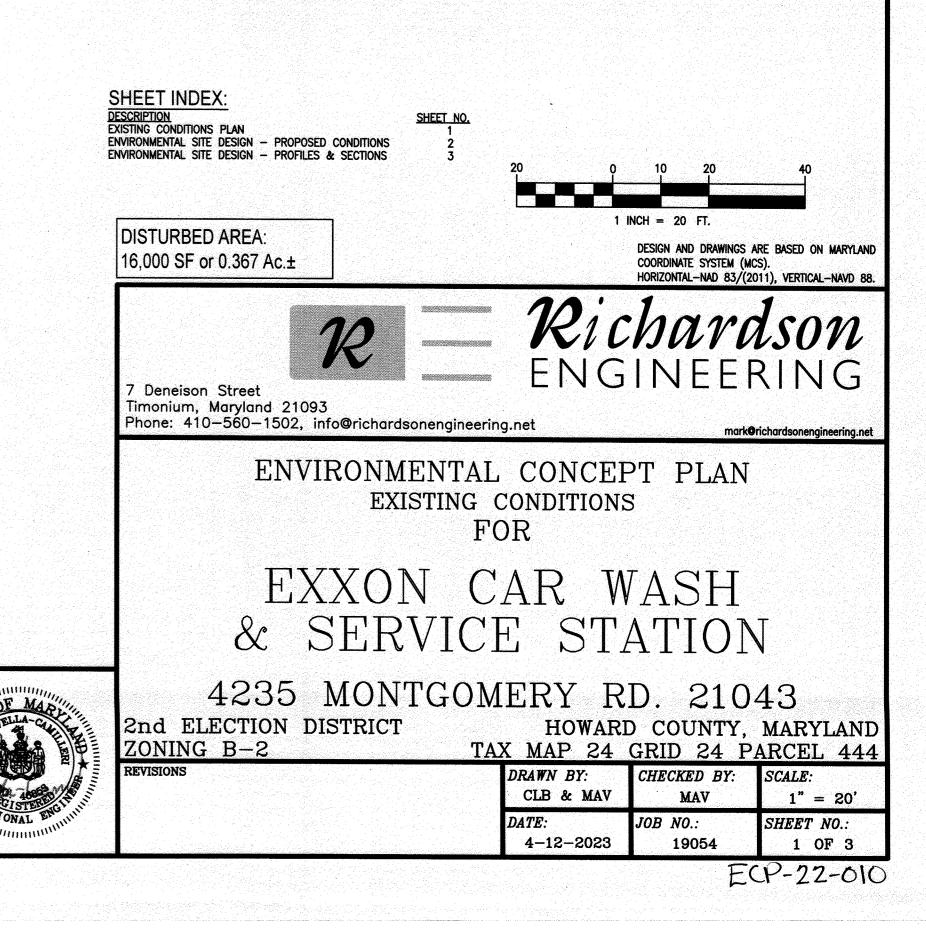
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 46853, EXPIRATION DATE: 06-11-2023.

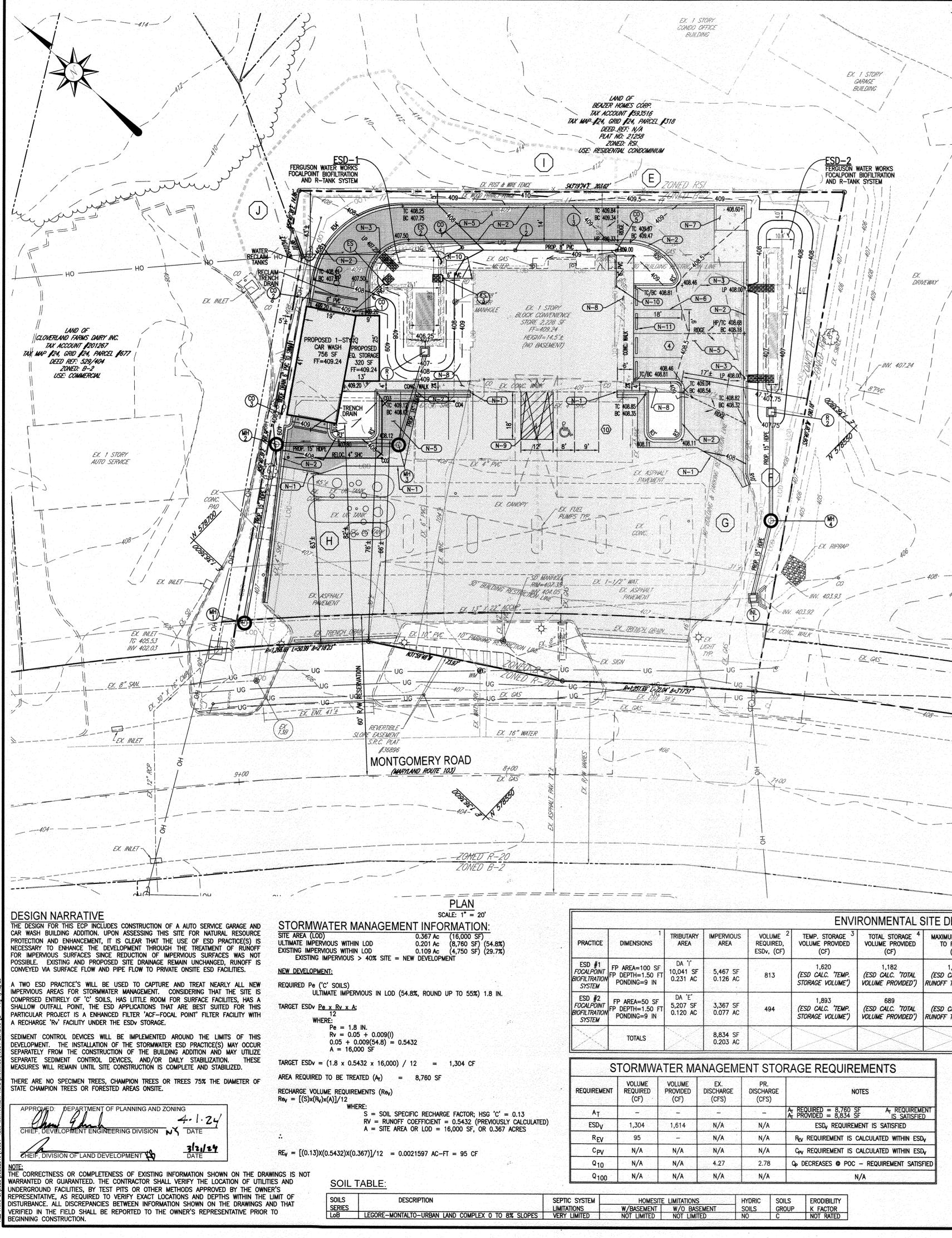
HOMESIT	E LIMITATIONS	HYDRIC	SOILS	ERODIBILITY
W/BASEMENT	W/O BASEMENT	SOILS	GROUP	K FACTOR
NOT LIMITED	NOT LIMITED	NO	C	NOT RATED
and the second	al a la constante da transmissione de la constante de la constante de la constante de la constante de la const		and and all the second second	and a start of the second of the second

NATURAL RESOURCES AND THE CORRES REGULATORY AUTHORITIES	PONDING
FEDERAL	
WETLANDS	NO
MAJOR WATERWAYS	NO
FLOODPLAINS	NO
STATE	
TIDAL AND NONTIDAL WETLANDS	NO
WETLANDS OF SPECIAL STATE CONCERN	NO
WETLAND BUFFERS	NO
STREAM BUFFERS	NO
PERENNIAL STREAMS	NO
FLOODPLAINS	NO
FORESTS	NO
FOREST BUFFERS	NO
CRITICAL AREAS	NO
LOCAL	
STEEP SLOPES	NO
HIGHLY ERODIBLE SOILS	NO
ENHANCED STREAM BUFFERS	NO
TOPOGRAPHY/SLOPES	SEE PLAN
SPRINGS	NO
SEEPS	NO
INTERMITTENT STREAMS	NO
VEGETATIVE COVER	SEE PLAN
SOILS	SEE PLAN
BEDROCK/GEOLOGY	SEE PLAN
EXISTING DRAINAGE AREAS	SEE PLAN



# \*Q100(CFS) N/A N/A N/A





HO HO SILT FERCE		
Ez i staar		
INSTALL UTILITIES IN ACCORDANCE WITH THE UTILITY NOTES		
	EROS	SCALE: 1" = 40'

DAILY STABILIZATION NOTE

CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY. STABILIZATION SHALL BE AS FOLLOWS

FOR AREAS TO BE PAVED, THE APPLICATION OF STONE BASE. FOR AREAS TO BE VEGETATIVELY STABILIZED: a. PERMANENT SEED AND SOIL STABILIZATION MATTING OR SOD

FOR ALL STEEP SLOPES, CHANNELS OR SWALES. b. PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.

ANY AREAS WHICH CANNOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWNSLOPE SIDE.

UTILITY NOTES:

- CONTRACTOR SHOULD ONLY OPEN THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF THE TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWN SLOPE) THE TRENCH.
- PLACE ALL EXCAVATED MATERIAL ON THE UPHILL SIDE OF THE TRENCH. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CITY, COUNTY, STATE, AND FEDERAL STANDARDS WITH RESPECT TO "EXCAVATION" AND "CONFINED SPACES".

	PROPO	DSED DR	AINAGE	ARE	A COMPS	S - SHEET	FLOW
REFERENCE POINT	DRAINAGE AREA	AREA (AC/SM)	TIME OF CONC. (HR)	RCN	*Q1 (CFS)	*Q2 (CFS)	*Q <sub>10</sub> (CFS)
ESD-2	E	0.141 AC 0.00022 SM	0.10	88	0.33	0.44	0.79
EX. SWALE Ø SE PL	F	0.013 AC 0.00002 SM	0.10	74	0.01	0.02	0.04
EX. TRENCH O SE SITE	G	0.163 AC 0.00025 SM	0.10	97	0.59	0.73	1.17
EX. TRENCH O NW SITE	Н	0.203 AC 0.00032 SM	0.10	98	0.77	0.94	1.49
ESD-1		0.231 AC 0.00036 SM	0.10	87	0.52	0.69	1.26
EX. INLET OP NW SITE	J	0.126 AC 0.00020 SM	0.10	74	0.13	0.20	0.44

\*NOTE: FLOWRATES DETERMINED FROM TR-55 (SEE APPENDIX 'D' OF SWM REPORT)

REFERENCE POINT & TR-20 XSECT	ASSOCIATED DRAINAGE AREAS	** Q <sub>1</sub> (CFS)	**Q 2 (CFS)	**Q <sub>10</sub> (CFS)	
POI / 011	E, F, G, H, I, J	1.34	1.68	2.78	

	EXIST	ING vs PR	OPOSED F	LOWRATE COMPARISON
STUDY POINT	EXISTING CONDITIONS ** (CFS)	PROPOSED CONDITIONS ** (CFS)	NET FLOWRATE DIFFERENTIAL ** (CFS)	NOTES/REMARKS
POI	$Q_1 = 1.91$ $Q_2 = 2.47$ $Q_{10} = 4.27$	$Q_1 = 1.34$ $Q_2 = 1.68$ $Q_{10} = 2.78$	$\Delta Q_1 = -0.57$ $\Delta Q_2 = -0.79$ $\Delta Q_{10} = -1.49$	NOT ADVERSELY IMPACTED @ POI (THE EXISTING INLET LOCATED OUTSIDE THE NORTHWEST CORNER OF SITE).

					ENVI	RONMENTAL	SITE DESIGN S	UMMARY TABI	E					
CTICE	1 DIMENSIONS	TRIBUTARY AREA	IMPERVIOUS AREA	VOLUME <sup>2</sup> REQUIRED, ESDv, (CF)	TEMP. STORAGE <sup>3</sup> VOLUME PROVIDED (CF)	TOTAL STORAGE <sup>4</sup> VOLUME PROVIDED (CF)	MAXIMUM RUNOFF 5 TO FACILITY (CF)	FILTERED VOLUME <sup>6</sup> AT FACILITY (CF)	RECHARGE <sup>7</sup> VOL. REQUIRED, Rev (CF)	RECHARGE <sup>8</sup> VOL. PROVIDED, Rev (CF)	ESD VOLUME <sup>9</sup> CREDITED, ESDv (CF)	10 TARGET PE	D 11 EQUIV. P <sub>E</sub> PROVIDED	
) #1 POINT TRATION	FP AREA=100 SF FP DEPTH=1.50 FT PONDING=9 IN	DA 'I' 10,041 SF 0.231 AC	5,467 SF 0.126 AC	813	1,620 (ESD CALC. 'TEMP. STORAGE VOLUME')	1,182 (ESD CALC. 'TOTAL VOLUME PROVIDED')	1,175 (ESD CALC. 'MAX. RUNOFF TO FACILITY')	989 (ESD CALC. 'FILTERED VOLUME')		(PENDING SOIL BORINGS)	989 XXX (W/ REV)	1.8"	<b>2.19"</b> X.XX (W/ REV)	
) #2 POINT TRATION STEM	FP AREA=50 SF FP DEPTH=1.50 FT PONDING=9 IN	DA 'E' 5,207 SF 0.120 AC	3,367 SF 0.077 AC	494	1,893 (ESD CALC. 'TEMP. STORAGE VOLUME')	689 (ESD CALC. 'TOTAL VOLUME PROVIDED')	78 (ESD CALC. 'MAX. RUNOFF TO FACILITY')	625 (ESD CALC. 'FILTERED VOLUME')		- (Pending Soil Borings)	625 XXX (W/ REV)	1.8"	<b>2.29"</b> X.XX" (W/ REV)	
×	TOTALS		8,834 SF 0.203 AC						95	-	1,614	1.8"		

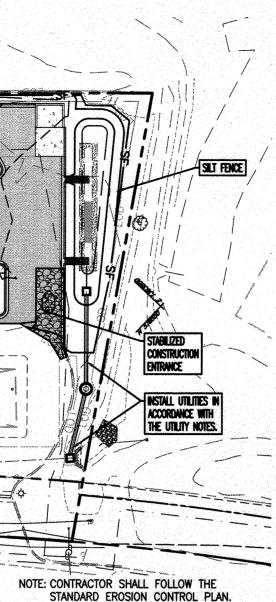
IREMENT	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	EX. DISCHARGE (CFS)	PR. DISCHARGE (CFS)	NOTES
AT			<u> </u>		$A_{T}$ REQUIRED = 8,760 SF $A_{T}$ REQUIREMENT $A_{T}$ PROVIDED = 8,834 SF IS SATISFIED
SDV	1,304	1,614	N/A	N/A	ESD <sub>V</sub> REQUIREMENT IS SATISFIED
R <sub>EV</sub>	95		N/A	N/A	REV REQUIREMENT IS CALCULATED WITHIN ESDV
CPV	N/A	N/A	N/A	N/A	CPV REQUIREMENT IS CALCULATED WITHIN ESDV
Q <sub>10</sub>	N/A	N/A	4.27	2.78	Q. DECREASES @ POC - REQUIREMENT SATISFIED
Q <sub>100</sub>	N/A	N/A	N/A	N/A	N/A

ENVIRONMENTAL SITE DESIGN SUMMARY NOTES: 1. SHOW SURFACE AREA OR L x W, ESDV PONDING DEPTH, FILTER MEDIA THICKNESS OR OTHER RELEVANT DESIGN DATA. DESIGN ESDV FOR THE PRACTICE'S DRAINAGE AREA.

DESIGN ESDV FOR THE PRACTICE'S DRAINAGE AREA.
 TEMPORARY STORAGE VOLUME = V<sub>PONDING</sub> / 0.25.
 TOTAL STORAGE VOLUME IS THE STORAGE VOLUME PHYSICALLY PROVIDED IN THE PRACTICE ABOVE THE INVERT OF THE UNDERDRAIN/R-TANK.
 MAXIMUM RUNOFF TO FACILITY = (2.6 IN x R<sub>V</sub> x DA)/12.
 FILTERED VOLUME AT FACILITY = (2.6 IN x R<sub>V</sub> x DA)/12.
 FILTERED VOLUME AT FACILITY = (PE<sub>POIN</sub> x R<sub>V</sub> x DA)/12.
 RECHARGE VOLUME REQUIRED = [(ST(RV)(A)]/12 MEASURED IN EXISTING SITE CONDITIONS.
 RECHARGE VOLUME PROVIDED = STONE VOLUME UNDER UNDER UNDERDRAIN/R-TANK x 0.4 VOID RATIO. RECHARGE VOLUME PROVIDED IS CALCULATED WITHIN ESDV. DO NOT DOUBLE COUNT.
 ESD VOLUME CREDITED, ESDV = MINIMUM VALUE OF {TOTAL STORAGE VOLUME, TEMP. STORAGE VOLUME, MAXIMUM RUNOFF, OR FILTERED VOLUME)
 TARGET P<sub>E</sub> = P<sub>E</sub> BASED ON OVERALL SITE REQUIREMENTS
 EQUIVALENT P<sub>E</sub> PROVIDED = (ESD VOLUME CREDITED x 12) / (RV x PRACTICE'S DRAINAGE AREA)

**PROFESSIONAL CERTIFICATION** 

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 46853, EXPIRATION DATE: 06-11-2023.



# CONSTRUCTION NOTES

- N-1 MATCH EXISTING CONDITIONS.
- N-2 NEW CURB AND GUTTER.
- N-3 NEW 2' CURB OPENING. N-4 NEW NOSE DOWN CURB.
- N-5 NEW FULL-DEPTH PAVEMENT.
- N-6 NEW PAVEMENT MARKINGS.
- N-7 NEW DUMPSTER ENCLOSURE W/ CONCRETE PAD.
- N-8 NEW CONCRETE WALK.
- N-9 NEW ASPHALT OVERLAY RAMP. N-10 NEW ROOF LEADER CONNECTION & BOOT WITH SURFACE BYPASS.

### N-11 NEW WHEEL STOP. SITE ANALYSIS:

OSS SITE AREA:	0.812 Ac.
REAM BUFFER:	0.0 Ac.
DODPLAIN:	0.0 Ac.
RESTED AREA:	0.0 Ac.
REST BUFFER:	0.0 Ac.
TLANDS	0.0 Ac.
TLANDS BUFFER	0.0 Ac.
ODIBLE SOILS:	0.0 Ac.
% OR GREATER SLOPES:	0.0 Ac.
IT OF DISTURBANCE (LOD):	0.352 Ac.**
EEN AREA:	0.151 Ac.
ERVIOUS:	0.201 Ac.
en al a statute de la constatute de la deserva de la constatute de la constatute de la constatute de la constat	DIMENT CONTRO

51 Ac. 201 Ac. AND SEDIMENT CONTROL STANDARD ERUSION PLAN WILL BE USED)

#### STANDARD EROSION CONTROL PLAN. MINIMUM CONTROLS SHOWN.

### FOREST CONSERVATION NOTES

THE FOREST CONSERVATION ACT OF MARYLAND (THE ACT) WAS DESIGNED TO HELP CONSERVE FOREST COVER ON POTENTIAL DEVELOPMENT SITES. A FOREST STAND DELINEATION (FSD) IS A CATALOGUE OF THE SITE'S ENVIRONMENTAL FEATURES. BASICALLY, IT'S A LIST OF ALL THE VEGETATION, WETLANDS OR TERRAIN THAT MIGHT DISTURBED DURING CONSTRUCTION. THE ELEMENTS THAT DETERMINE WHETHER AN AREA IS CONSIDERED "SENSITIVE" INCLUDE SPECIMEN TREES (TREES LARGER THAN OR EQUAL TO 30 INCHES IN DIAMETER), CHAMPION TREES (LARGEST INDIVIDUAL OF A SPECIES IN THE STATE/COUNTY); WETLANDS, STREAMS, STEEP SLOPES, AND ENDANGERED SPECIES. THE FSD HELPS TO DETERMINE THE LIMITS OF DISTURBANCE AND WHAT EXISTING FOREST AND SENSITIVE AREAS SHOULD BE PROTECTED DURING AND AFTER DEVELOPMENT. THE FSD PROCESS HELPS PROTECT TREES AND SENSITIVE AREAS AND PROMOTES NATURAL RESOURCE STEWARDSHIP, WHILE STILL SUPPORTING LAND DEVELOPMENT.

THIS FSD WAS PREPARED BY A LICENSED LANDSCAPE ARCHITECT AND QUALIFIED PROFESSIONAL, WHO MEETS THE REQUIREMENTS SET BY THE MARYLAND DEPARTMENT OF NATURAL RESOURCES.

THE SUBJECT PROPERTY IS A 0.83-ACRE PARCEL OF LAND WITHIN THE ELLICOTT CIT AREA OF HOWARD COUNTY, MARYLAND. MONTGOMERY ROAD, WHICH RUNS EAST WEST, IS LOCATED ALONG THE SOUTHERN PROPERTY LINE. THE PROPERTY CONSISTS OF AN EXISTING CONVENIENCE STORE AND FUEL STATION, PAVED PARKING, AND LANDSCAPING IN GENERAL, SURFACE WATER APPEARS TO DRAIN FROM THE NORTHEAST TO UNNAMED TRIBUTARY TO PATAPSCO RIVER, WELL NORTH OF THE PROPERTY. THE SITE IS LOCATED WITHIN THE NORTH BRANCH OF THE PATAPSCO RIVER WATERSHED (02130906). THE TRIBUTARY IS A USE I STREAM (WATER CONTACT RECREATION, AND PROTECTION OF NONTIDAL WARMWATER AQUATIC LIFE).

NO WETLANDS, STREAMS, FEMA 100-YEAR FLOODPLAIN OR OTHER SENSITIVE NATURAL RESOURCES AND HABITATS WERE OBSERVED ON OR IMMEDIATELY ADJACENT THE PROPERTY. THE USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, ELLICOTT CITY MARYLAND SHOWS TOPOGRAPHY OF THE SITE IS FLAT; THE NATIONAL WETLANDS INVENTORY MAP SHOWS WETLANDS, AND STREAMS ARE ABSENT FROM THE PROJECT AREA; AND THE FEMA FIRM PANEL SHOWS THE 100-YEAR FLOODPLAIN IS ABSENT FROM THE STUDY AREA AS

THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (MDNR) MARYLAND ENVIRONMENTAL RESOURCES AND LAND INFORMATION NETWORK (MERLIN) GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA SHOWS NO FOREST INTERIOR DWELLING (FID) BIRD HABITAT OR SENSITIVE SPECIES HABITAT AREAS OCCUR WITHIN OR ADJACENT TO THE STUDY AREA. NO THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON THE PROPERTY.

ADJACENT LAND USES TO THE PROPERTY ARE TO THE SOUTH NATIONAL GUARD ARMORY AND COUNTY FIRE STATION, TO THE WEST AUTOMOTIVE SERVICE CENTERS, AND TO THE NORTH AND EAST BY HIGH DENSITY RESIDENTIAL. THE PROPERTY IS ZONED B-2 (BUSINESS: GENERAL).

THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (MDNR) MARYLAND ENVIRONMENTAL RESOURCES AND LAND INFORMATION NETWORK (MERLIN) GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA SHOWS THE PROPERTY IS NOT HISTORIC OR WITHIN A HISTORIC DISTRICT. THE PROPERTY LIES NEAR TWO HISTORIC SITES. TO THE SOUTH AT 4244 MONTGOMERY ROAD IS THE ELLICOTT CITY ARMY NATIONAL GUARD ARMORY (HO-1128) TO THE EAST AT 4239 MONTGOMERY ROAD IS REX FAMILY HOUSE SITE (HO-903).

PER A CUSTOM SOIL RESOURCE REPORT FOR THE SITE, ONE SOIL TYPE IS FOUND WITHIN THE AREA OF INTEREST. THE SOIL TYPE IS LEGORE-MONTALTO-URBAN LAND COMPLEX, O TO 8 PERCENT SLOPES (LOB). THIS SOIL HAS A HAS A DEPTH TO WATER TABLE MORE THAN 80 INCHES DEEP, NOT HYDRIC, AND IS NOT PRIME FARMLAND.

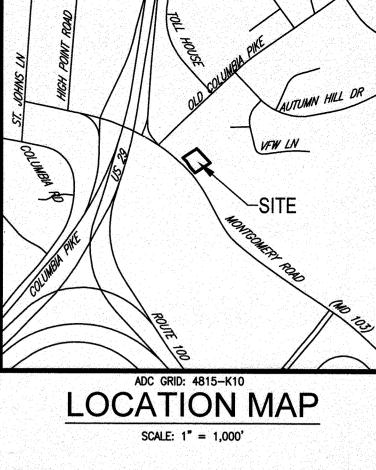
DURING THE SITE VISIT NO SPECIMEN TREES, CHAMPION TREES, OR AREAS OF FOREST WERE FOUND. THE FIELD STUDY DETERMINED THE SITE IS PREDOMINATELY VEGETATED BY NON-NATIVE LANDSCAPE SPECIES, HAS NO SENSITIVE NATURAL RESOURCES, IS HEAVILY DEVELOPED, AND PROVIDES MINIMAL ECOLOGICAL FUNCTION. FOR THESE REASONS, NO AREA WITHIN THE SITE IS SUITABLE TO ONSITE **REFORESTATION/RETENTION.** 

**DISTURBED AREA:** 

16,000 SF or 0.367 Ac.±

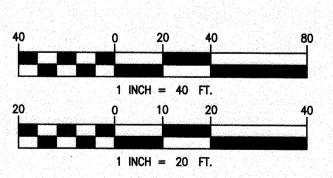
Deneison Street

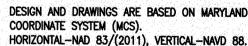
Timonium, Maryland 21093



## LEGEND

	PROPERTY/BOUNDARY LINE
	EASEMENT
	EX. CURB
mmmm.	EX. TREELINE
~~~~~	EX. SHRUBS
۵	EX. FIRE HYDRANT
🌣 🄹	EX. LIGHT (STREET/BOLLARD)
258	EX. MINOR CONTOURS
260	EX. MAJOR CONTOURS
	EX. WATER
	EX. SEWER
	EX. STORMORAIN
	EX. INLET
	SOIL LINE
	PROP. MINOR CONTOURS
280	PROP. MAJOR CONTOURS
15" CMP	PROP. STORM DRAIN
	PROP. INLET
	PROP. CONCRETE
	PROP. PAVING
LOD	LIMIT OF DISTURBANCE (LOD)
ROSION CONTROL	LEGEND:
SSF	SUPER SILT FENCE
	STABILIZED CONST. ENTRANCE
	같은 것이 있는 것 않는 것 같은 이야가 가슴다. 같은 것 같은 것은 것이 같은 것 같은 것이 같이 같이 같이 같이 없다. 같은 것은 것이 같은 것이 같은 것이 같이





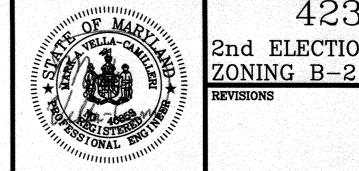
mark@richardsonengineering.n



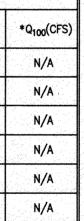
ENVIRONMENTAL CONCEPT PLAN ENVIRONMENTAL SITE DESIGN - PROPOSED CONDITIONS

FOR EXXON CAR WASH

2nd	ELECTION	DISTRICT	HOWAR	D COUNTY, MAR
	4235	MONT	GOMERY F	RD. 21043
	X	SERV	'ICE ST	ATION
	0	OTIDI		



ICT TA	HOWARI X MAP 24	) COUNTY, GRID 24 PA	The Australia and the State of
	<i>DRAWN BY:</i> CLB & MAV	CHECKED BY:	and the second secon
	<i>DATE:</i> 4-12-2023		<i>Sheet No.:</i> 2 of 3



FLOW \*\* Q100(CFS)

N/A

NOTES

INDIVIDUAL ESDV

REQUIREMENTS MET

989 CF >= 813 CF

INDIVIDUAL ESDv

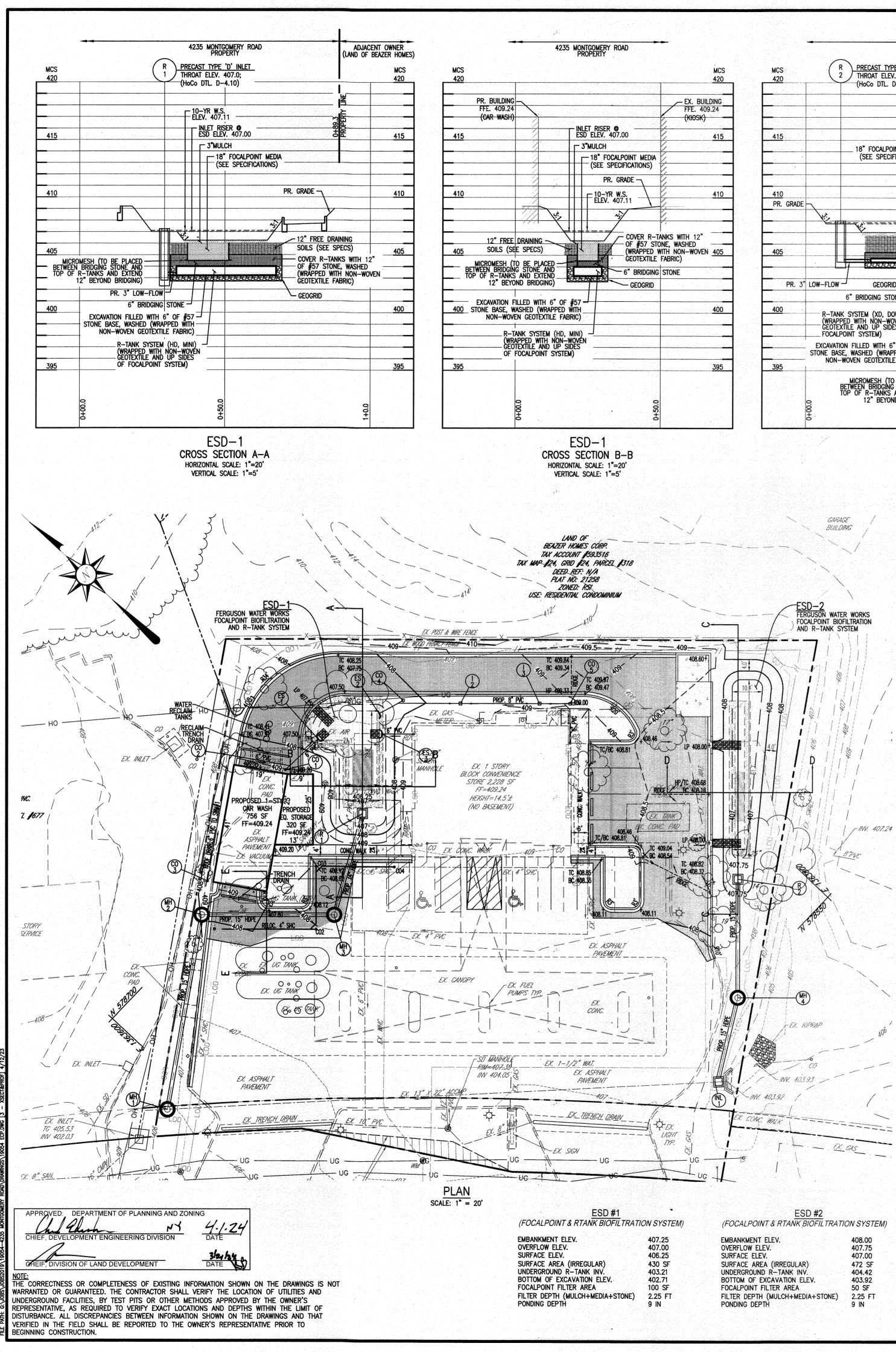
**REQUIREMENTS MET** 

OVERALL SITE ESDV

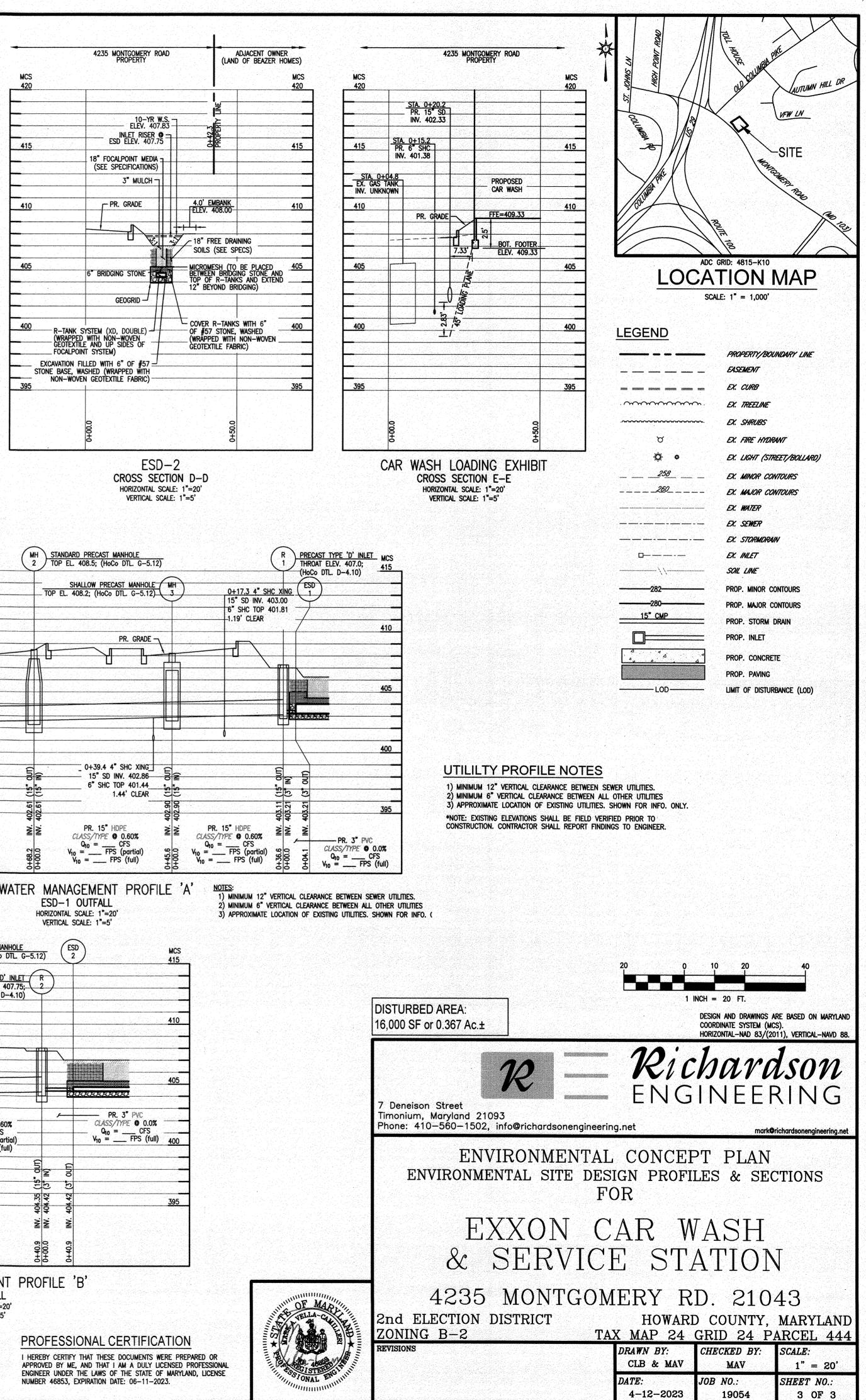
REQUIREMENTS MET

1,614 CF>=1,304 CF

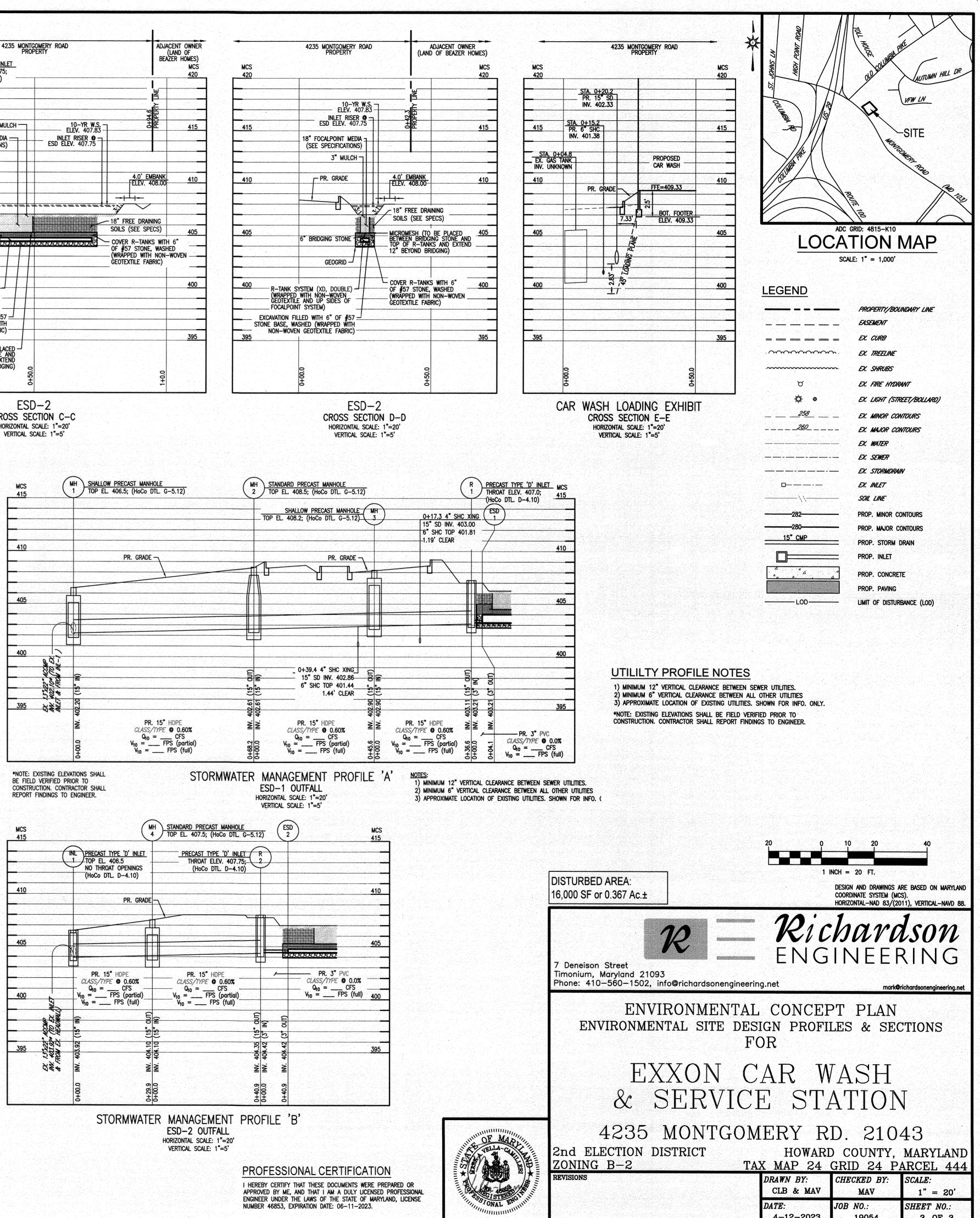
625 CF >= 494 CF



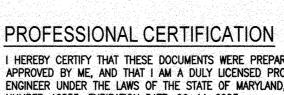
-			4235 MONTGON PROPER
	MCS 420	MCS 420	R         PRECAST TYPE 'D' INLET           2         THROAT ELEV. 407.75;           (HoCo DTL. D-4.10)
	EX. BUILDING FFE. 409.24 (KIOSK)		
	415	415	3" MULCH
MEDIA IONS)			18" FOCALPOINT MEDIA
	410	410 PR. GRADE	
		I'll GIODE	
\$57 STON	NKS WITH 12" IE, WASHED TH NON-WOVEN <u>405</u> ABRIC)	405	
RIDGING	STONE		
OGRID		PR. 3" LOW-F	
	400	EXC/	6" BRIDGING STONE
+50.0	395	395 000	NON-WOVEN GEOTÈXTILE FABRIC) MICROMESH (TO BE PLACED BETWEEN BRIDGING STONE AND TOP OF R-TANKS AND EXTEND 12" BEYOND BRIDGING)



ESD-2 CROSS SECTION C-C HORIZONTAL SCALE: 1"=20'



MCS 415	(		ARD PRECAST MANHOL L. 407.5; (HoCo DTL.			SD 2	MC 41
	INL PRECAST TYPE 'D' INLE TOP EL. 406.5 NO THROAT OPENINGS (HoCo DTL. D-4.10)		PRECAST TYPE 'D' INLE THROAT ELEV. 407.7 (HoCo DTL. D-4.10	5; 2			
410							41
	PR, GR/						
				$\sim \mathbf{n}$	$\mathbb{H}$		
405							40
	PR. 15" HDPE		PR. 15" HDPE			PR. 3" PVC	
	CLASS/TYPE @ 0.60%	CI	ASS/TYPE @ 0.60%			CLASS/TYPE @ 0.	0%
400	$Q_{10} = - CFS$ $V_{10} = - FPS (partial)$ $V_{10} = - FPS (full)$	Vio	Q <sub>10</sub> = CFS = FPS (partial) _ = FPS (full)			$Q_{10} = \CFS$ $V_{10} = \FPS$ (f	ull) 40
	$V_{10} = \_$ FPS (full)		) = FPS (full)				
	2	52		(L)o			
- 284	<u>.</u>	(15"		(15*		見からえた ション・セイン せいしん いがか 花花	
395 395 395 77 17 395 77 17 1000 4	3.92	404.10		404.35	404.42 404.42		39
240	. 403.					이 승규는 공부에 가격하게 하는 것을 수가 있다. 귀에서 가슴에서 가슴에서 가슴에서 가슴에서 가슴에서 가슴에서 가슴에서 가슴	
084	Ň	N.N.		NV.	<u> </u>		
	0.0	6.0. 0.0		0.0			
	0.00+0	0+29.9 0+00.0		0+40.9	0+00.0		



ECP-22-010