GENERAL SITE CONSTRUCTION NOTES

- HUSKA CONSULTING, LLC IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY. ACCIDENTS, OR SUPERVISION; HUSKA CONSULTING, LLC IS NOT RESPONSIBLE FOR ANY CONSTRUCTION DAMAGE OR INJURY TO ANY PERSON, VEHICLE, EQUIPMENT, OR PROPERTY ON OR NEAR THE CONSTRUCTION SITE.
- HUSKA CONSULTING, LLC IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SECURITY. THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY SITE SECURITY WITH THE OWNER AS REQUIRED AND APPROPRIATE.
- 3. THE PROJECT PROPERTY SHALL BE VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND REGARDING THE PROJECT BOUNDARY NOTIFY HUSKN CONSULTING, LLC.
- THE CONTRACTOR IS DESPONSIBLE FOR ORTAINING ALL NECESSARY DEDMITS INCLUDES ANCILLARY DESIGN. PERMIT PROCESSING, INSPECTIONS, AND CLOSEOUTS. ALL PERMITS MUST BE ONSITE, INCLUDING PUBLIC SPACE EXCAVATION, OCCUPANCY, AND TRAFFIC CONTROL PLANS IF/AS REQUIRED.
- THE EXTENT OF EXISTING STRUCTURES INCLUDING UNDERGROUND FEATURES MAY NOT BE DEPICTED ON THE PLANS.
- ALL GENERAL NOTES ARE FOR TYPICAL CONSTRUCTION ACTIVITIES; THEY MAY INCLUDE INFORMATION THAT IS NOT APPLICABLE TO THE SCOPE OF THIS PROJECT.
- THE VARIOUS CODES AND STANDARDS WHICH ARE SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THEY DO NOT NECESSARILY REPRESENT THE MOST CURRENT OR COMPLETE STANDARDS REQUIRED FOR THE CONSTRUCTION. THE CONTRACTOR MUST REFER TO THE CORRECT, APPLICABLE CODES AND STANDARDS.
- 10. ACCESS TO THE PROJECT PROPERTY AND ALL SURROUNDING AREAS MUST BE MAINTAINED FOR ALL EMERGENCY SERVICES, PEDESTRIANS, AND DELIVERIES IF REQUIRED AND AS APPROPRIATE. ACCESS TO FIRE HYDRANTS MUST NOT BE
- 11. THE CONTRACTOR SHALL RESTORE OR REPLACE ANY ITEMS TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION.
- 12. THE CONTRACTOR MUST MAINTAIN A SET OF CONSTRUCTION PLANS WHICH HAVE BEEN MARKED UP TO ACCURATELY CONNEY CONSTRUCTION WHICH HAS DEVIATED FROM THE APPROVED CONSTRUCTION PLANS. THESE PLANS MUST BE PROVIDED TO THE CLIENT, THE CLIENTS REPRESENTATIVE, OR HUSKA CONSULTING, LICE PROPER OF THE PROJECT CLOSEOUT.

GENERAL PAVEMENT NOTES

- EXISTING PAVEMENT TO BE REPLACED SHALL AT MINIMUM MATCH THE EXISTING CROSS SECTION.
- EXISTING CURB AND/OR GUTTER TO BE REPLACED SHALL MATCH EXISTING TYPE, MATERIAL, AND DIMENSIONS.
- SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EDGE OF NEW CURB AND/OR GUTER FOR REPLACEMENT.
- MILL AND OVERLAY EXISTING ASPHALT PAVEMENT 1' FROM EDGE OF NEW PAVEMENT TO PROVIDE SMOOTH TRANSITION.

GENERAL UTILITY NOTES

- THE CONSTRUCTION WORK SHALL BE COMPLETED IN SUCH A WAY AS TO MINIMIZE UTILITY OUTAGES. ALL UTILITY OUTAGES MUST BE COORDINATED WITH THE UTILITY OWNER AND AFFECTED PARTIES.
- 2. SOME EXISTING UTILITIES MAY NOT BE SHOWN ON THE PLANS, BEFORE SURE EASTING UNITED THAT WAY THE BY THERE ARE NO TO EMPILICITS WITH EXISTING BEGINNER OF THE STEED THE STE
- 3. NOTIFY HUSKA CONSULTING, LLC IF COVER FOR ANY UTILITY IS REDUCED BELOW THE MINIMUM REQUIRED.
- 4 THE SITE CIVIL PLAN IS MEANT TO CONVEY WET (SANITARY SEWER STORM
- 5. REFER TO FAIRFAX WATER STANDARDS FOR ABANDONMENT OF EXISTING REPER TO PAIRPAA WALER STANDARDS FOR ABANDOWMENT OF EXISTING
 SANITARY SEVER, STORM SEVER, AND WATER LATERALS AND MAINS. NOTE THIS
 INVOLVES DISCONNECTING ALL LATERALS AT THE MAINS, PLUGGING AND
 SEALING THE MAINS, AND REMOVING ALL ABANDONED METERS, VALVES, AND
 APPURTENANCES. COORDINATE WITH THE DC WATER INSPECTOR.
- ALL WYE CONNECTIONS TO EXISTING SEWER LINES SHALL MATCH THE EXISTING SIZE AND MATERIAL.
- 7. REMOVE ABANDONED UTILITIES AS REQUIRED.
- ADJUST EXISTING STRUCTURE TOPS AND MANHOLES TO REMAIN WITHIN THE LIMITS OF DISTURBANCE TO MATCH FINAL GRADE AS REQUIRED. INSTALL ADDITIONAL STEPS WITHIN MANHOLES AS REQUIRED.

GENERAL GRADING NOTES

- THE SITE MUST BE GRADED AND PAVED SO THAT NO NEW LOW POINTS WITHOUT PROPER DRAINAGE ARE CREATED, NO PONDING SHALL OCCUR ONISITE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STORMWATER MANAGEMENT PLANS WITHIN BMP FACILITIES OR ON THE SEDIMENT CONTROL PLAN WITHIN SEDIMENT
- ALL PAVED SURFACES SHALL BE AT A 0.5% MINIMUM SLOPE. ALL GRASSED AND LANDSCAPED AREAS SHALL BE AT A 1% MINIMUM SLOPE. EXCEPTIONS MAY BE MADE ONLY IF APPROVED BY HUSKA CONSULTING, LIC.
- 3 SPOT FLEVATIONS SHOWN AT TIE-IN POINTS WITH EXISTING SURFACES ARE SHOWN APPROXIMATE, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. PROPOSED ELEVATIONS MAY BE MODIFIED WITH APPROVAL FROM HUSKA CONSULTING, LLC TO MATCH EXISTING GRADE.
- 4. SITE CONSTRUCTION MUST BE ADA COMPLIANT UNLESS SPECIFICALLY NOTED OTHERWISE, ADA ROUTES MUST HAVE LONGITUDINAL SLOPES LESS THAN 5%, AND CROSS SLOPES LESS THAN 2%. ADA RAMPS MUST HAVE A LONGITUDINAL SLOPE LESS THAN 30°, AND CROSS SLOPES LESS THAN 24°, ADA RAMPS MUST HAVE A LONGITUDINAL SLOPE LESS THAN 12°H: 1V AND HAVE A LENGTH NO MORE THAN 30°, PROVIDE ADA HANDRALS, GUARDRAILS, AND LANDINGS WHERE APPROPRIATE. ADA PARKING SPACES MUST HAVE A SLOPE LESS THAN 2% IN ANY DIRECTION
- 5. ANY UNSUITABLE IN SITU SOIL OR MATERIAL MUST BE REMOVED OR REMEDIATED PER DIRECTION FROM THE GEOTECHNICAL ENGINEER
- 6. REFER TO THE SITE NOTES AND DETAILS FOR ADDITIONAL INFORMATION

GENERAL SITE DEMOLITION NOTES

- REFER TO THE ARCHITECTURAL PLANS FOR SELECTIVE DEMOLITION RELATED TO INTERIOR RENOVATIONS. COORDINATE WITH THE DESIGN TEAM, INCLUDING THE STRUCTURAL ENGINEER, IN REGARDS TO THE STABILITY OF EXISTING STRUCTURES TO REMAIN.
- THE APPROXIMATE SCALE OF ABANDONMENT AND DEMOLITION OF SITE FEATURES AND UTILITIES ARE DEPICTED BOLD OR HATCHED ON THE DEMOLITION FLAN.
- DEMOLITION OF SITE FEATURES AND UTILITIES TO REPLACE ITEMS IN KIND ARE NOT NECESSARILY SHOWN BUT ARE WITHIN THE SCOPE OF WORK.
- SAWCUT EXISTING PAVEMENT TO BE REMOVED WHERE ADJACENT TO EXISTIN PAVEMENT TO REMAIN. FOR CONCRETE AND GRANITE, SAWCUT AT THE NEARE
- ALL DEMOLITION DEBRIS MUST BE DISPOSED PER APPLICABLE LAW; DEMOLITION DEBRIS MAY ONLY BE USED FOR BACKFILL IF EXPRESS KNOWLEDGE AND PERMISSION IS GRANTED FROM THE STRUCTURAL AND GEOTECHNICAL ENGINEERS.
- 6. REFER TO THE DEMOLITION NOTES AND DETAILS FOR ADDITIONAL INFORMATION.

GENERAL SEDIMENT CONTROL NOTES

- THE CONTRACTOR MUST NOTIFY THE FAIRFAX COUNTY INSPECTOR BEFORE MAKING ANY ADJUSTMENTS IN REGARDS TO THE LIMITS OF DISTURBANCE AND SEDIMENT CONTROL MEASURES TO PERFORM THE WORK AND ACCOMMODATE FIELD CONDITIONS.
- 2. WHERE NO STABILIZED CONSTRUCTION IS PROVIDED CONTRACTOR SHALL DESIGNATE VEHICLES THAT SHALL ENTER THE SITE. ALL VEHICLES LEAVING THE SITE MUST HAVE THEIR TIRES/ITREADS WASHED PRIOR TO ENTERING ANY PUBLIC STREETS. WASH WATER MUST NOT BE ALLOWED TO LEAVE THE SITE.
- THE LIMITS OF DISTURBANCE AND SEDIMENT CONTROL MEASURES ARE SHOWN APPROXIMATELY; PRESENTATION ON THE PLANS MAY DEVIATE SLIGHTLY FROM THE ACTUAL DESIGN INTENT FOR GRAPHICAL CLARITY.
- TEMPORARY SOIL STOCKPILES SHOULD BE PLACED AS NEEDED ON THE SITE IN COORDINATION WITH THE FAIRFAX COUNTY. INSTALL SILT FENCE AROUND THE PERIMETER OF ALL STOCKPILES AND COVER WITH A TARP OR OTHER APPROVED IMPERIMEABLE SURFACE PRIOR TO RAIN EVENTS.
- 5 THE CONTRACTOR SHALL PROVIDE INLET PROTECTION FOR ALL CATCH BASINS THE CONTROL OF SHALL PROJECT HOUSE OF THE CONTROL OF THE LIMITS OF DISTURBANCE. ANY SEWER WHICH BECOMES CLOGGED DUE TO CONSTRUCTION MUST BE PROMPTLY CLEANED AND CLEARED.
- 6 ANY AND ALL SITE STORM PLINGER EPOM DISTLIPRED AREAS MUST BE EILTEDED. SEDIMENT MUST BE PLACED IN AN APPROVED AREA AND STABILIZED. SEDIMENT MUST NOT BE PLACED IN A FLOODPLANN, WETLAND, WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE TO REMAIN, OR PPA.
- NO EXISTING TREES ARE TO BE REMOVED AS PART OF THIS PROJECT. EXISTING TREES SHALL BE PROTECTED AS NEEDED AND REQUIRED BY FAIRFAX COUNTY WITH TREE PROTECTION FENCE. SEE FAIRFAX COUNTY PLATE 6-12 ON SHEET CIV-510.
- 8. MINIMIZE DUST GENERATION DURING CONSTRUCTION
- 9. REFER TO THE SEDIMENT CONTROL NOTES AND DETAILS FOR ADDITIONAL

ARREVIATIONS

ADDREV	IATIONS		
ABND	ABANDONED	MH	MANHOLE
AD	AREA DRAIN	MIN	MINIMUM
ADA	AMERICANS WITH	MS	MINIMUM STANDARD
	DISABILITIES ACT	NRCS	NATURAL RESOURCES
APPROX	APPROXIMATE		CONSERVATION SERV
BFP	BACKFLOW PREVENTER	oc	ON CENTER
BLDG	BUILDING	PFM	PUBLIC FACILITIES
BRL	BUILDING RESTRICTION		MANUAL
	LINE	PL	PROPERTY LINE
BSMT	BASEMENT	PROP	PROPOSED
BW	BOTTOM OF WALL	RPA	RESOURCE PROTECTION
CI	CAST IRON		AREA
CO	CLEANOUT	SAN	SANITARY
CS	COMBINED SEWER	SCH	SCHEDULE
DEQ	VIRGINIA DEPARTMENT OF	STM	STORM
	ENVIRONMENTAL QUALITY	SWR	SEWER
ELEV	ELEVATION	TC	TOP OF CURB
EX	EXISTING	TW	TOP OF WALL
FFE	FIRST FLOOR ELEVATION	VB	VERTICAL BEND
HB	HORIZONTAL BEND	VCP	VITRIFIED CLAY PIPE
HSG	HYDROLOGIC SOIL GROUP	W/	WITH
MAX	MAXIMUM	W/M	WATERMAIN
MEP	MECHANICAL	ww	WINDOW WELL
	ELECTRICAL/PLUMBING		

WETLANDS PERMIT CERTIFICATION:

I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES. Euro grelogy SIGNATURE: EMBE ZTREKOGLU

APPROVAL

DATE

MM/DD/YYYY

COMMEN

REVISIONS

RESPONSIBLE LAND DISTURBER:

CERT. NO.:
PHONE NO.:
ADDRESS:

PARK RD TOWNHOUSE REZONING PLANS

PROJECT

LOCATION OF SITE 11004 & 11006 PARK RE FAIRFAX, VA 22306 TAX MAP #PENDING D.B. 27365, P.G. 1623 SQUARE 02 LOT 002

SITE CIVIL ENGINEERING SHEET INDEX		
SHEET TITLE	SHEET#	
COVER SHEET	000	
EXISTING CONDITIONS	001	
SITE PLAN	002	
FIRE PLAN	003	
SITE DETAILS	004	
FAIRFAX CITY DPW DETAILS	005	
UTILITY PLAN	006	
FAIRFAX WATER DETAILS	007	
VDOT STANDARD DETAILS	800	
STORMWATER MANAGEMENT PLAN	009	
DRAINAGE PLAN	010	
DRAINAGE PLAN CALCULATIONS	011	
STORMWATER MANAGEMENT CALCULATIONS	012	
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BIORETENTION DETAILS	014	
PERMEABLE PAVER DETAILS	015	
BAYFILTER DETAILS	016	
TREE SURVEY	017	
LANDSCAPE PLAN	018	
LANDSCAPE DETAILS	019	



ENSTING ZOMING: PROPOSED USE WATERSHED: USTURBANCE: SEWER: WATERSHED: WATER	
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PROPOSED USE WATERSHED: DISTURBANCE: SEWER: WAXER MAXBAULD BENSTY (RT) PROPOSED DENSITY TOTAL SPACES REQ. (RT) TOTAL SPACES REQ. (RT) OPEN SPACE REQ. OPEN SPACE REQ. OPEN SPACE REQ.	CF
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SEWER WATER MAXMUM DENSITY (RT) PROPOSED TOWNHOME UNITS PROPOSED DENSITY OFF-STREET PARRING REQ. (RT) TOTAL SPACES REQ. (RT) PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	CCOTINK CREEK
WATER MAXMUM DENSITY (RT) PROPOSED TOWNHOME UNITS PROPOSED DENSITY OF STREET PANNON REQ. (RT) TOTAL SPACES REQ. (RT) PROPOSED SPACES ALABOUSE ACTIONS/GRANTED OPEN SPACE REQ.	X.XX ACRES
MAXMUM DENSITY (RT) PROPOSED TOWNHOME UNITS PROPOSED TOWNHOME UNITS OFF-STREET PARKING REQ. (RT) TOTAL SPACES REQ. (RT) PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	PUBLIC
PROPOSED TOWNHOME UNITS PROPOSED DENSITY OFF-STREET PARKING REQ. (RT) TOTAL SPACES REQ. (RT) TOTAL SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	PUBLIC
PROPOSED DENSITY OFF-STREET PARKING REQ. (RT) TOTAL SPACES REQ. (RT) PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	12 UNITS/ACRE
OFF-STREET PARKING REQ. (RT) TOTAL SPACES REQ. (RT) PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	10
TOTAL SPACES REQ. (RT) PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	1.21 UNITS/ACRE
PROPOSED SPACES LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	2 SPACES/UNIT
LAND USE ACTIONS/GRANTED OPEN SPACE REQ.	26 SPACES
OPEN SPACE REQ.	33 SPACES
	NONE
OPEN SPACE PROVIDED	NONE
	NONE
TYPE OF CONSTRUCTION	PENDING

A	City of Fairf PPROVED SITE	
Zoning Offi	cial	Date
Review approval by:		
	Fire Marshal (fo & fire hydrant lo Fairfax Water	r water distribution system ecation)
	_ Director CDP	
	_ Director of Public	Works
	City Engineer	
	_ PW Plan Reviewe	r
	Code Admin. Ass	L Chief
	Site Plan Coordin	ator
	BAR Liaison	
	Environmental R	eviewer
	Wastewater Revie	wer
	GIS Manager	
	Bonding Adminis	trator

HUSKA CONSULTING, LLC

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6363

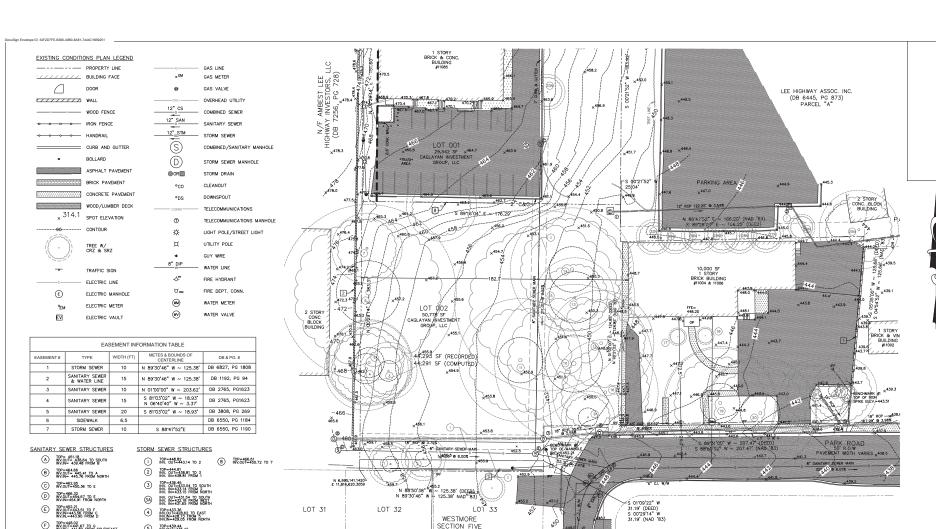
CONTRACTOR

CIVIL ENGINEER PATRICK HORGAN HUSKA CONSULTING, LLC 1050 30TH STREET, NW WASHINGTON, DC 20007 703.425.3862

LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

REZONING PLANS

COVER SHEET



- 5 TOP=439.44 INV.OUT=435.42 INV.IN=435.23 FROM 6 INV.IN=435.16 FROM NORTHWEST
- 6 TOP=447.61 INV.OUT=443.08 TO 5
- 7 TOP=452.59 INV.OUT=444.40 TO 6 INV.IN=445.40 FROM WEST

EXISTING CONDITIONS PLAN KEYNOTES

- EXISTING 1-FT WIDE CONCRETE WALL
 MAXIMUM HEIGHT: 4'=0"
 EXISTING 1-FT WIDE CONCRETE WALL
 MAXIMUM HEIGHT: 10'=0"

- WOOD FENCE HEIGHT: 6'-0"

SURVEYOR'S NOTES:

- THE PROPERTIES DELINEATED HERON IS SHOWN ON TAX MAP 57-1-02-135, 57-1-02-135, 57-1-02-136, 57-1-02-137A &57-1-02-138B AND ARE ZONED C-2 COMMERCIAL.
- 2. OWNER: CAGLAYAN INVESTMENT GROUP, LLC 42713 LATROBE ST, CHANTILLY VIRGINIA 20152 DB. 25288, PG 1940, DB. 25288, PG. 1942 AND DB. 26229, PG. 2180
- 4. THESE PROPERTIES ARE SUBJECT TO RESTRICTIONS OF RECORD.
- 5 HORIZONTAL DATUM IS REFERENCED TO NAD '83 VERTICAL DATUM IS REFERENCED TO NGVD '29
- 6. THESE PROPERTIES ARE NOT LOCATED WITHIN A RESOURCE PROTECTION AREA.
- 7 FENCES ARE CHAIN LINE LINESS NOTED
- 8. TOTAL AREA= 81,154 SQUARE FEET.

FLOODPLAIN CERTIFICATE

I HEREBY CERTIFY THAT THE PROPERTY IS NOT WITHIN 500 FEET OF A DELINEATED OR KNOWN FLOODPLAIN PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD MAP #51059C0040E.

Hitsch Heigen PATRICK HURGAN, P.E LICNESE NO. 061930 1/25/2022 DATE

1 STORY SINGLE-FAMIL #4101 HOLLY ST

APPROVAL DATE REVISIONS MM/DD/YYYY COMMENT

EXISTING CONDITIONS PLAN NOTES

- THIS EXISTING CONDITIONS PLAN IS BASED ON A SURVEY AND AUTOCAD FILES PERFORMED AND PROVIDED BY DOMINION ENGINEERS, INC..
- THE EXISTING CONDITIONS LEGEND IS APPLICABLE TO THIS SHEET ONLY. THE EXISTING CONDITIONS MAY BE DEPICTED DIFFERENTLY (GRAY SCALED) OR NOT FULLY DEPICTED ON OTHER SHEETS.
- 3. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND, WHERE INFORMATION IS NOT AVAILABLE, ASSUMPTIONS, CONTRACTOR SHALL LOCATE AND CONFIRM ALL UTILITIES WITHIN THE BOUNDS OF CONSTRUCTION PRIOR TO UNDERTAKING ANY DEMOLITION OR EXCAVATION.





REZONING PLANS

MADER Phone

11004 & 11006 PARK RD FAIRFAX, VA 22306

TAX MAP #PENDING SQUARE 02, LOT 002

CHANTILLY, VA 20152 571.594.6363 CONTRACTOR

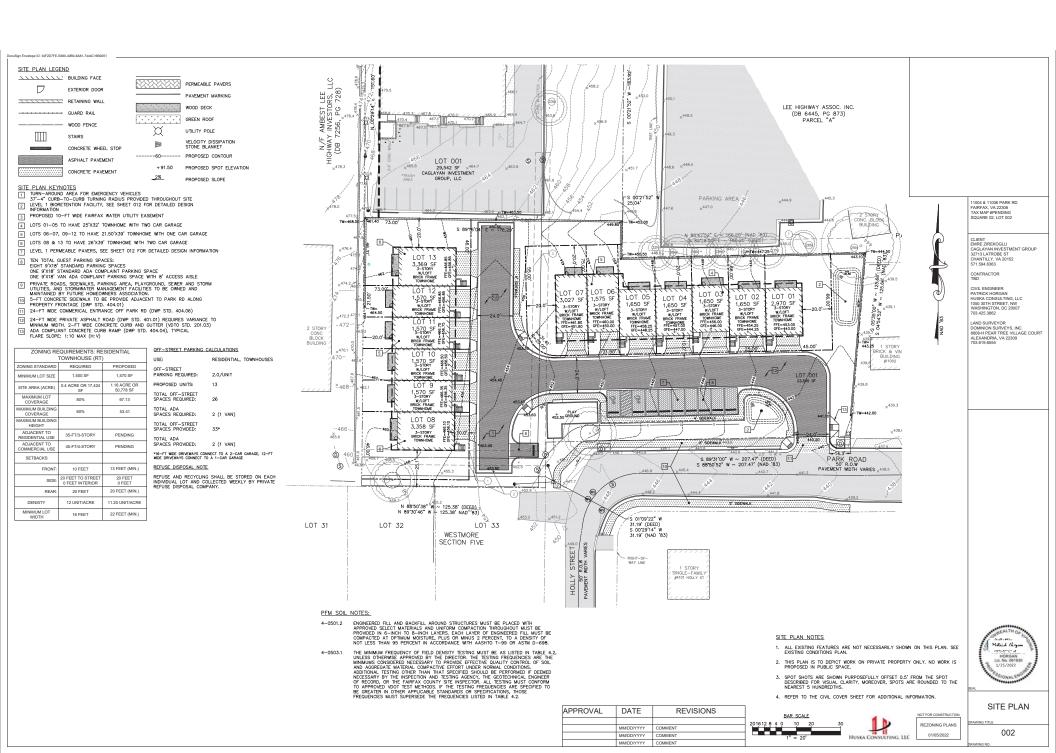
CIVIL ENGINEER
PATRICK HORGAN
HUSKA CONSULTING, LLC
1050 30TH STREET, NW
WASHINGTON, DC 20007

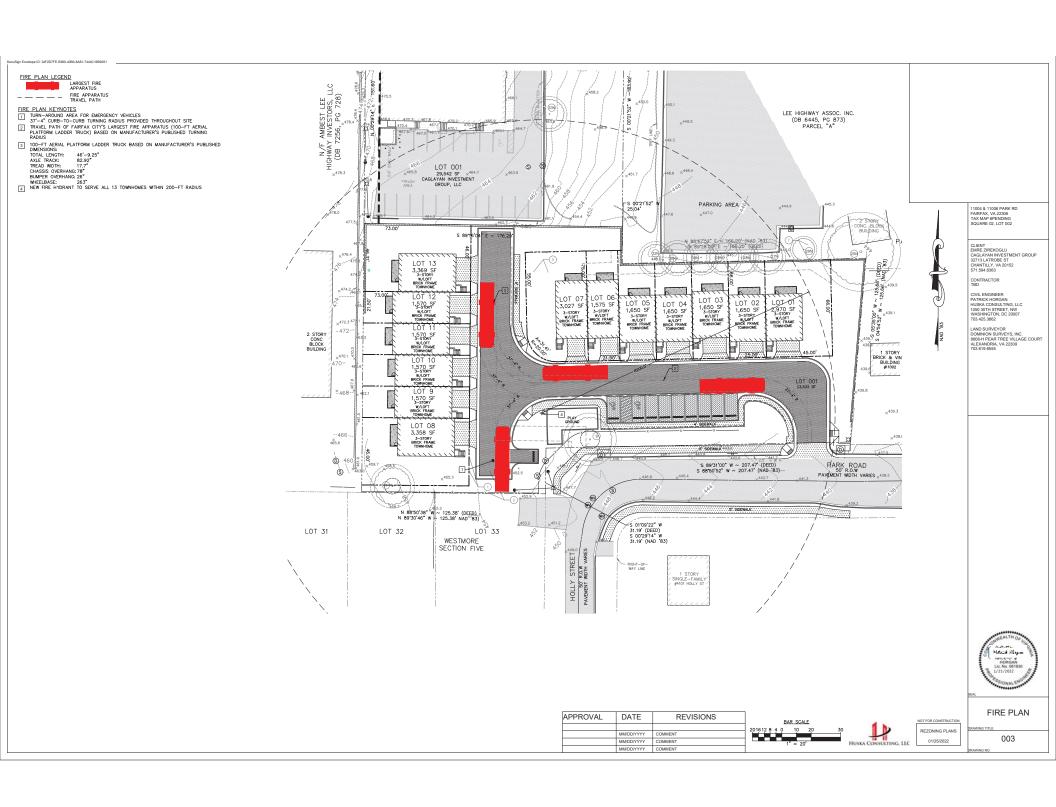
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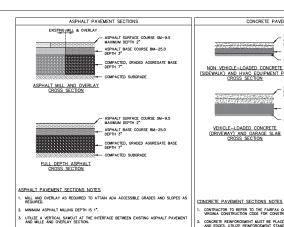
703.425.3862

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST

EXISTING CONDITIONS







CONCRETE PAVEMENT SECTIONS 5" 3500 PSI CLASS F CONCRETE WITH 6"x6" W2.9xW2.9 STEEL WWF PLACED AT LEAST 2" FROM TOP AND BOTTOM 4" GRADED AGGREGATE BASE, COMPACTED - COMPACTED SUBGRADE

NON VEHICLE-LOADED CONCRETE (SIDEWALK) AND HVAC EQUIPMENT PAD CROSS SECTION

8" 3500 PSI CLASS E CONCRETE WITH 6"x6" W4xW4 STEEL WWF AT LEAST 2" FROM TOP AND BOTTOM 8" GRADED AGGREGATE BASE, COMPACTED COMPACTED SUBGRADE VEHICLE-LOADED CONCRETE

CONTRACTOR TO REFER TO THE FAIRFAX COUNTY PUBLIC FACILITIES MANUAL & THE VIRGINIA CONSTRUCTION CODE FOR CONSTRUCTION METHODS AND MATERIALS.

CONCRETE REINFORCEMENT MUST BE PLACED AT LEAST 2" FROM CONCRETE SURFACES AND EDGES. UTILIZE REINFORCEMENT STANDS IF REQUIRED.

CONCRETE JOINTS CONTROL JOINT MUST BE AT LEAST %"
WIDE AND THE MINIMUM DEPTH IS %" OF
THE CONCRETE LAYER IN QUESTION CONCRETE CONTROL JOINT
CROSS SECTION

6'-5 5/6" 6'-10 3/4" ISOMETRIC VIEW VEHICLE-LOADED CONCRETE EXPANSION JOINT CROSS SECTION

- CONTROL JOINTS SHOULD BE SPACED EQUAL TO THE WIDTH OF THE PAVEMENT IN QUESTION TO FORM SQUARES. HOWEVER, CONTROL JOINTS SHOULD BE PLACED NO MORE
- EXPANSION JOINTS SHOULD CONSIST OF SEALED CORK, ASPHALT IMPREGNATED FIBER SHEETING, ISO STRIP OFF, OR APPROVED EQUIVALENT.
- DOWELS SHOULD BE GRADE 60 STEEL, AT LEAST 16" LONG, "X" MINIMUM DIAMETER, AN MAXIMUM 12" SCHOOL ON CENTER, EDGE OF DOWEL MUST BE AT LEAST 2" FROM CONCRETE SURFACE AND EDGES.

CROSS SECTION

CONCRETE WHEEL STOP

CONCRETE WHEEL STOP NOTES

- THE DIMENSION BETWEEN THE LONG EDGE OF THE CONCRETE WHEEL STOP CLOSEST TO THE END OF THE PARKING SPACE AND THE END OF THE PARKING SPACE IS 2.5'.
- THE CONCRETE WHEEL STOP SHALL BE PLACED CENTERED RELATIVE TO THE WIDTH AXIS OF THE PARKING SPACE.
- EACH CONCRETE WHEEL STOP MUST BE SECURED WITH TWO #7 REBAR ANCHORAGE PINS WITH A MINIMUM EMBEDMENT DEPTH OF 15".

CONCRETE HEADER CURB DETAILS

CONCRETE JOINTS NOTES

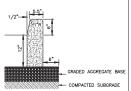
THE STEEL REINFORCEMENT IN THE CONCRETE WHEEL STOPS (EXCLUDING THE ANCHORAGE PINS) MUST BE #3 REBAR AND AT LEAST 2" FROM ALL FINISHED SURFACES.

VELOCITY DISSIPATION STONE BLANKET — 24" — PLAN VIEW 24" ---MIN. CROSS SECTION

PROVIDE A LIGHT BROOM FINISH ON THE CONCRETE SURFACE.

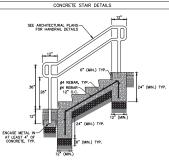
(DRIVEWAY) AND GARAGE SLAB CROSS SECTION

- VELOCITY DISSIPATION STONE BLANKET NOTES STONES SHALL HAVE A MINIMUM MEAN DIAMETER (D50) OF 3"
- DEPTH OF STONE SHALL BE AT LEAST 6"
- STONE MAY BE GROUTED IN PLACE AT CLIENT/CONTRACTOR OPTION.



CONCRETE HEADER CURB / CURB & GUTTER (PRIVATE PROPERTY) MATERIALS AND CONSTRUCTION METHODS SHALL BE CONSISTENT WITH THE FAIRFAX COUNTY PUBLIC FACILITIES MANUAL. CONCRETE SHALL BE 3500 PSI CLASS E CONCRETE.

- CONSTRUCT EXPANSION JOINTS AT MAX 15' INTERVALS, AT BEGINNING AND ENDS OF ALL CURVE P.O.1'S, AT STRUCTURES, AND AT MID POINT OF ALL CURB RETURNS. INSTALL 1/2" PRE-FORMED EXPANSION JOINT FILLER, NON-EXTRUDING.
- INSTALL 1/2" EXPANSION JOINT AT BACK OF CURB WHERE ADJACENT TO CONCRETE SIDEWALK.
- INSTALL BITUMINOUS SEALANT AGAINST FACE OF GUTTER ADJACENT TO ASPHALT PAVEMENT.
- WHENEVER NEW CONCRETE CURB (AND GUTTER) MEETS EXISTING CONCRETE CURB (AND GUTTER), ASSURE CURBS ARE ON LINE AND ON GRADE.
- TRANSITION CURBS SHALL BE USED WHENEVER A DIFFERENT TYPE OF CURB IS CALLED OUT. TRANSITIONS MUST BE 10' LONG (MIN.) UNLESS NOTED OTHERWISE.



CONCRETE STAIR DETAILS NOTES

- STAIR TREAD WIDTH IS 12" WITH A 1" RECESS. STAIR HEIGHT IS 6". REFER TO SITE PLAN FOR NUMBER OF STAIRS.
- ALL CONCRETE CORNERS AND EDGES SHOULD HAVE A FILLET OF 1/2".
- CONCRETE MUST HAVE A COMPRESSIVE STRENGTH OF 3500 PSI WITH NO BLACK PIGMENT ADDITIVE AND WITH A LIGHT BROOM FINISH.
- 4. SUBGRADE MUST BE COMPACTED TO 95% PROCTOR DENSITY.
- 5. HANDRAILS SHALL BE PAINTED MATTE BLACK.

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6383

CONTRACTOR

CIVIL ENGINEER
PATRICK HORGAN
HUSKA CONSULTING, LLC
1050 30TH STREET, NW
WASHINGTON, DC 20007
703.425.3862

LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555



004

SITE DETAILS NOTES

1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL NOTES.



REZONING PLANS 01/05/2022

SITE DETAILS

APPROVAL	DATE	REVISIONS
	MM/DD/YYYY	COMMENT
	MM/DD/YYYY	COMMENT
	MM/DD/VVVV	COMMENT

DocuSion Envelope ID: 34F2D7FE-B380-4080-BA81-7444C16B9251 BACK OF CURB - VOOT STANDARD PAUDMENT -6" THOSE ADDREGATE / BASE, VOOT No. 21 or 21A gr-g* E'-0" WILL OR RADUS LENGTH SHOHEVER IS DREATER SECTION A-A (SET OFFALS 601.01 & 401.02) 6" THEN CONCRETE S/# --" THEN ASSESSATE BASE VOOT No. 21A NOTES NOTES:
1. Concrete to be Closs A3 or better.
2. Longitudinal expansion joint not to exceed 80 feet. CITY of FAIRFAX CITY of FAIRFAX A COMMERCIAL DRIVEWAY ENTRANCE STANDARD SIDEWALK DETAIL -CONCRETE OF THE TABLE MARRINGS R 7/N° + 7 13/N° × 2 3/N° WHO SHARKATED DOMES OCIDI + HER & DAME CHAY ME 1/3" SAME BECOME -4" CONCRETE MED -4" 4" WIL. (0) THEN ASSPECAN WING SERVICE \$404 TO Sect (%) ENGLINES IT-C T-C Kinn Kinn 6" 60% NOTES:

•For all street classifications within R.O.W. and private A PLAN VIEW CITY of FAIRFAX TYPICAL CURB and GUTTER STREET SECTION

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6363

CONTRACTOR TBD

CIVIL ENGINEER
PATRICK HORGAN
HUSIKA CONSULTING, LLC
1050 30TH STREET, NW
WASHINGTON, DC 20007
703.425.3862

LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

SITE DETAILS NOTES

1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL NOTES.



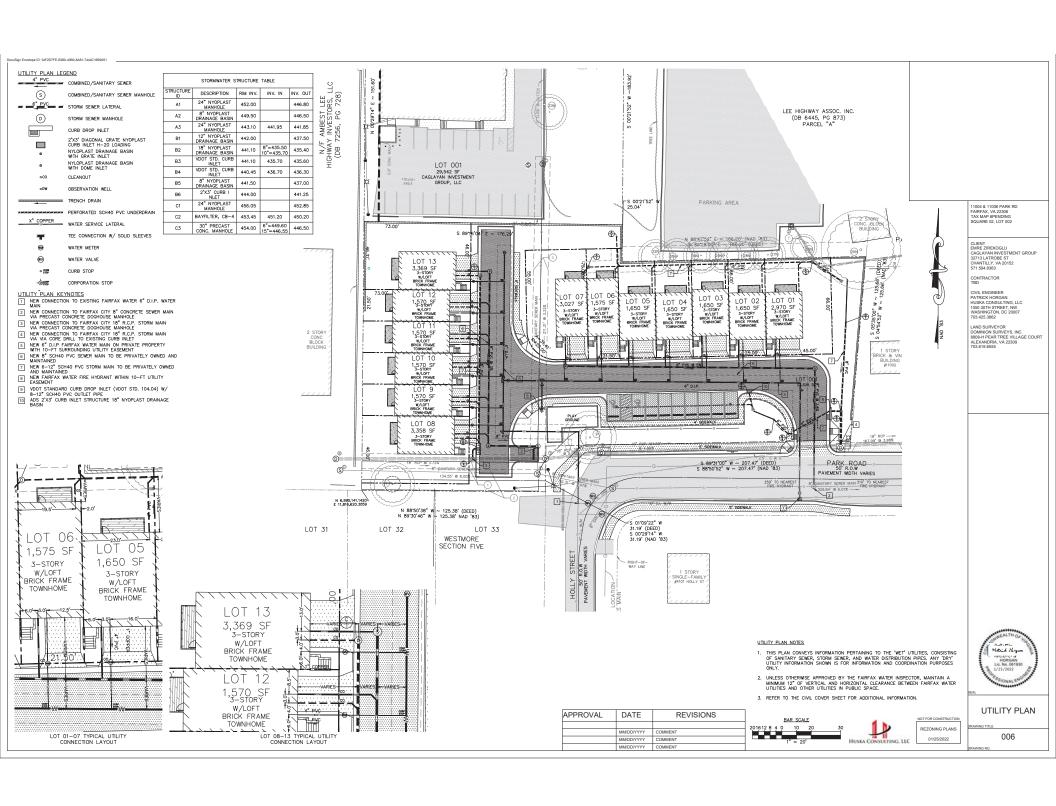


IOT FOR CONSTRUCTION

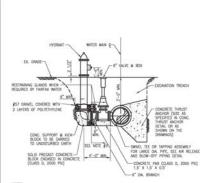
REZONING PLANS

01/05/2022

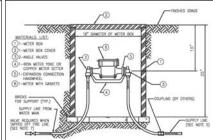
FAIRFAX CITY DPW DETAILS



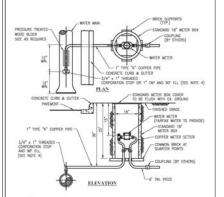
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FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
STANDARD HYDRANT INSTALLATION	DRAWING NO.:



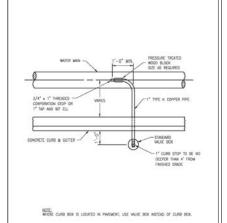
W	FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
- <u>-</u>	EXTERIOR METER INSTALLATION	DRAWING NO.:
DATE: 7/17	5/8" THROUGH 1" METER SIZES	6



MOSES.

A SO PLASTIC TURNO TO BE USED ASSOCIATED RICE. STITLE TO BE FARRY MATER STANDARD THE A PLASTIC TURNOUS SERVICE CLAWF TO BE USED ON 2" ON 2" OF A LANGER MATER MATER MATER STANDARD THE A THROUGH SERVICE CLAWF TO BE USED ON 2" ON 2" OF A LANGER MATER MATER. ASSOCIATION THE PER SECURITY OF THE SEC

W	FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
<u>.U.</u>	1" SERVICE CONNECTION WITH 1" METER	DRAWING NO.:
DATE: 7/17		1A



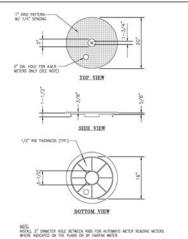
W	FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
- <u>-</u>	1" SERVICE CONNECTION WITH CURB STOP	ORAWING NO.:

APPROVAL

DATE

MM/DD/YYYY

COMMENT MM/DD/YYYY COMMENT



SCALE NOT TO SCAL DESMINE NO CAST IRON METER BOX COVER 4

UTILITY DETAILS NOTES

REVISIONS

1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL NOTES.



REZONING PLANS 01/25/2022

FAIRFAX WATER

Maria Hey

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DETAILS

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

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NOTES.

THE WATER WEER BOX SHALL BE RETAILED IN AN ACCESSIBLE LOCATION IN A OREN SPACE AND SO AS AS THE WATER AS TO BE ASSETT THE REPORT WHERE AS SHOWN IN THE DAMOND MOVE, METER TO BE USED WITH WITH THE DISCUSSION OF THE CHARGE WATER TO BE USED WITH WITH THE WATER AS SHOWN IN THE DAMOND MOVE, METER TO BE USED WITH WITH THE WATER AS ASSETTING THE WATER AS ASSETTING THE WATER AS ASSETTING THE WATER AS ASSETTING THE SHOWN IN A MATERIAL SLIT, ALL OTHER MATERIAL TO BE SUPPLY AS ASSETTING SHOWN IN A MATERIAL SLIT, ALL OTHER MATERIAL TO BE SUPPLY AS ASSETTING SHOWN IN A MATERIAL SLIT, ALL OTHER MATERIAL TO BE SUPPLY AS ASSETTING SHOWN IN A MATERIAL SLIT, ALL OTHER MATERIAL TO BE SUPPLY BOY, AND A MATERIAL SLIT, ALL OTHER MATERIAL TO BE SUPPLY BOY, AND A MATERIAL SLIT, ALL OTHER MATERIAL SHOWN IN A SAFETY LIMIT BOY THE WAY AS AS THE WATER AS AS ASSETTING THE SHOWN IN A SAFETY AS AS STRUCTURES, YOURS, SON POSTS, THESE OR SHOWN TO BE MOSTALLD WITH FEATURE LIFE WAS TRANSPORTED. NOTES:

1. F SWYLL TEE IS NOT USED, VALVE MUST BE RESTRANCO TO TEE WITH RESTRANCING GLANDS BY 1. F SHALL TIC S NOT USED, WANT WAST BE RESTROADED TO TEE WITH RESTROADED CAMES BY JUNEAUS SHALL RESPONSE AND COMES AS FOLGRESS AND FOLD FOLGRESS AND FOLGRESS AND FOLGRESS AND FOLGRESS AND FOLGRESS AN

D-2A, 28, 30 SMOX OF BOOKHUK (SCHAULE SE NOTE S SWATTERCONOUS IN E PE LO -- Chiston 1-0 1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE 2. CONDETE TO BE DLASS AS IF CAST IN PLACE, 4000 PS IF PRECAST. N. COMBINATION DURB & GUTTER HAVING A RADIUS OF 300 FEET OH LESS HALDNE FACE OF CUMB : BE PAD FOR AS RADIAL COMBINATION CUMB A: QUITOR. \$45 %c OUTTON

- PRE USE MITH STANDARD CREM-CREET

- PRAMAGE WIRE THE DOTTOM OF THE CURR
- AND CUTTER BALL SE CONSTRUCTED PARKLET

- TO THE SLOPE OF SHARME COURSES

- ALIGNARE CONTRACTOR THE USE OF

- ALIGNARE CONTRACTOR THE USE OF

- OF THE WOLT FROM DESIGN AND MAPPINEER A

OF THE WOLT FROM DESIGN ANNUAL. COLLAR 24 SECTION B-B SCHOOL B-B p-p-PLAN VEW SECTION D-D STATE OF THE PART 14 FRONT ELEVATION SECTION E-E THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED PAYALLEL TO THE SLOPE OF SUBBASE COLRESS PROVIDED A MININAM DEPTH OF 7' THIS AREA MAY BE CONDITETE AT THE OPTION OF THE CONTRACTOR r.ov GAVINEED PLATE FOR THE A TO BE BUT ON MI ANGLE OF SET-SO AND S TO BE AND-ONED WITH VIEW STILD SHEM COMMITTORS WELDED TO BENT PLATE AT FG-C. SECTION A-A SPECIFICATION REFERENCE SPECIFICATION REFERENCE COMBINATION 6" CURB & GUTTER STANDARD CURB DROP INLET 105 502 12" - 24" PIPE: MAXIMUM DEPTH (H) - 9"
VINGINA DEPARTMENT OF TRANSPORTATION 233 302 TABLE OF CHANTITIES D1-2A, 28, 20 | TABLE OF QUANTIES | DAMARY | TABLE OF QUANTIES | TABLE OF DOTES . DEPTH OF MAIT SO TO BE SHOWN ON PLANS. B. ALL REPORTED STEE SHALL HAVE A IN MEMORY PROPERTY OF THE STATE And the second party of the property of the second party of the se WHITE AND WAN SPECIFIED ON THE PLANS THE BOYET S. TO BE SWAYED BY ACCORDANCE WITH STANDARD OF THE COST OF THE SHARMED BY A DRIVEN AND THE SHARMED S. TO THE SHARMED S. TO BE SPECIFIED BY THE STANDARD OF THE STANDARD OF THE STANDARD S. TO THE 12. LENGTH OF SLOT GJ WLL, IN EVERY CASE, ME SHOWN ON PLANS. DUMP NO MISTE DEMES TO WATERWAYS IS. THE STANDARD IS INTOHOGO FOR USE IN CLASS AND OUTTER SITUATIONS CHEY. DETAIL A IN THE CASE THE MAGES OF THE CONTRACTORS OF THE STREET OF W. STANDARD MALES MAY AN CONSTRUCTION WITH THE CONSTRUCTION OF THE 24 18. THE AREA WAY BY ENTHERS IN WHICH CASE THE CHAMBER JOHTS WILL APPLY ONLY TO CARD AND OUTTER. STEPS ARE TO BE PROVIDED WHEN H IS 4"-O" OR GREATER, FOR DETAILS BEE STANDARD ST-L. THIS ITEM WAY BE PRECAST OR CAST-IN-PLACE. TO THE RASE WAS A SECOND 17. LENGTH OF MIGLE WON AS SHOWN ON SHEET GRATE ST U. . DENOTES LENGTH OF DIE IS BAR. U. ALL REPFORCING BARS TO BE 05. 20. GRATE TO SE METALLE SO NOTE WILL DIRECT MATERIAL TOWARD THE MET THROW. SECTION F-F *VDOT STANDARD CURB DROP INLET
12" - 24" PIPE: MAXIMUM DEPTH (HD-9"
VIRGINA SOMERMORY OF TRANSPORTATION

233 302

APPROVAL

DATE

MM/DD/YYYY

COMMENT MM/DD/YYYY COMMENT

REVISIONS

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11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6383

CONTRACTOR TBD

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UTILITY DETAILS NOTES

1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL NOTES.



REZONING PLANS 01/25/2022

VDOT STANDARD DETAILS

STORMWATER MANAGEMENT PLAN LEGEND

BIORETENTION FACILITY PERMEABLE PAVERS

DRAINAGE DIVIDE

- STORMWATER MANAGEMENT PLAN KEYNOTES

 | BIGGETENTON B, ILEVEL 1 BIORETENTON FACULTY
 4" SOH40 PERFORATED PKO UNDERDRAIN
 12" NYOPLAST DRAINAGE BASIN CAPABLE OF CONVEYING THE 100-YR
 STORM TO SERVE AS OVERFLOW.
- STORM TO SERVE AS OVERFLOW.

 BIORETENTION #, LEVEL I BIORETENTION FACILITY

 "SCH40 PERFORATED PVC UNDERDRAIN

 8" NYOPLAST DRAINAGE BASIN CAPABLE OF CONVEYING THE 100-YR STORM
 TO SERVE AS OVERFLOW.

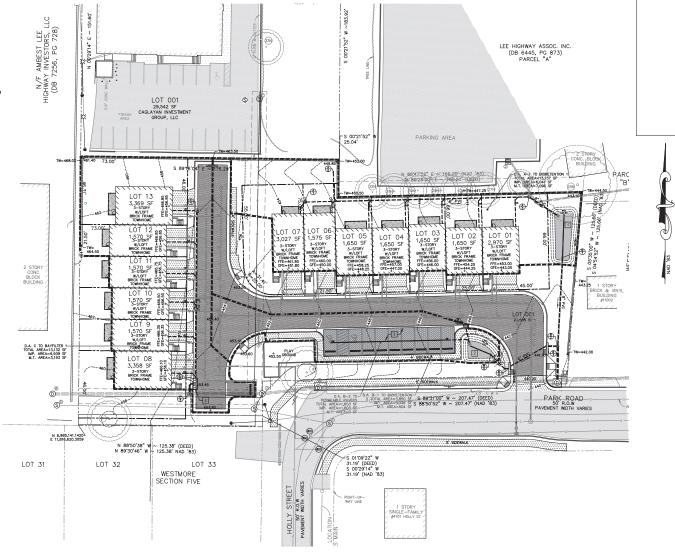
- TO SERVE AS OVERFLOW.

 3. LEYEL 1 PERMEABLE PAVERS
 SLOPE IN ANY DIRECTION NOT TO EXCEED 5%
 12" STOKE RESERVOIR
 4" SCH40 PERFORATED PVC UNDERDRAIN
 4" SCH40 PVC PIPE TO OVERFLOW TO BIORETENTION #2
 4 ASS BAYFILTER
 MODEL: 08F-4
 6" SCH40 PVC PIPE TO OVERFLOW TO TIE INTO CITY STORM SEWER SYSTEM
 VIA A NEW PRECAST CONCRETE MANHOLE.

SMENT INF	ORMATION	
EXISTING (SF)	PROPOSED (SF)	INCREASE (SF)
	50,778	
14,154	28,879	14,725
5,090	11,081	5,991
454	2,837	2,383
8,610	14,961	6,351
36624	21899	-14,725
	EXISTING (SF) 14,154 5,090 454 8,610	(SF) (SF) 50,778 14,154 28,879 5,090 11,081 454 2,837 8,610 14,961

VRRM SITE INFORMATION							
COVER TYPE	COVER TYPE EXISTING PROPOSED INCREAS						
LOT AREA		50,778					
	HSG A						
IMPERVIOUS	0	0	0				
MANAGED TURF	0	0	0				
HSG B							
IMPERVIOUS	0	0	0				
MANAGED TURF	0	0	0				
HSG C							
IMPERVIOUS	14154	28879	14,725				
MANAGED TURF	36624	21899	-14,725				
HSG D							
IMPERVIOUS	0	0	0				
MANAGED TURF	0	0	0				
PERCENT IMPERVIOUS 27.9 56.9							

DRAINAGE AREA	IMPERVIOUS AREA (SF)	
A (TOTAL AREA)	23,	791
EXISTING	12606	11185
PROPOSED	13479	10312
A-1 (TOTAL AREA)	131	37
EXISTING	8167	4970
PROPOSED	6041	7096
A-2 (TOTAL AREA)	106	54
EXISTING	4439	6215
PROPOSED	7438	3216
B (TOTAL AREA)	5,4	53
EXISTING	1124	4329
PROPOSED	4949	504
B-1 (TOTAL AREA)	38	50
EXISTING	775	3075
PROPOSED	3346	504
B-2 (TOTAL AREA)	16	03
EXISTING	349	1254
PROPOSED	1603	0
C (TOTAL AREA)	131	32
EXISTING	0	13132
PROPOSED	9939	3193





1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL INFORMATION.

APPROVAL DATE REVISIONS MM/DD/YYYY COMMENT MM/DD/YYYY COMMENT





REZONING PLANS 01/25/2022

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

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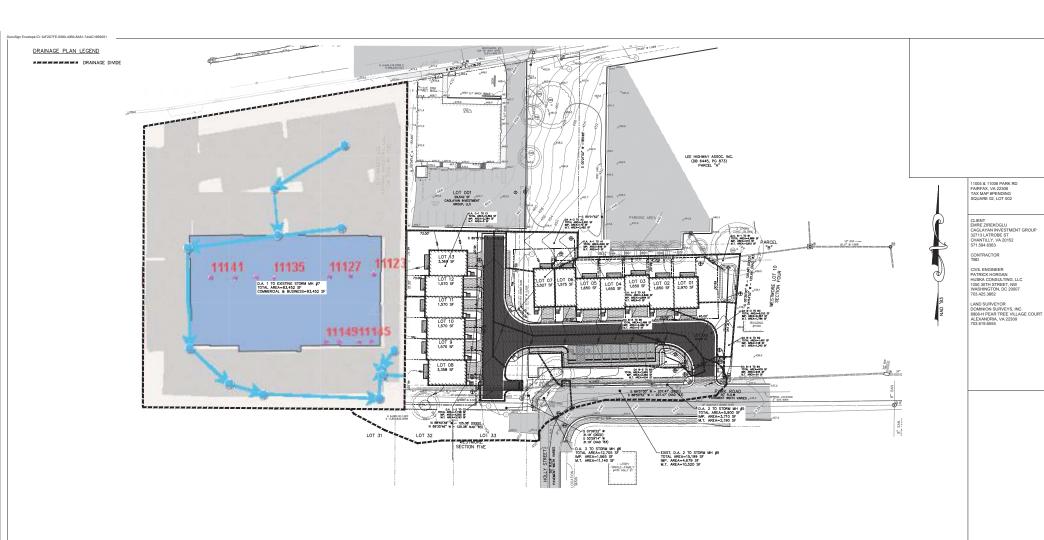
CONTRACTOR

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LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555



STORMWATER MANAGEMENT PLAN



DRAINAGE PLAN NOTES

- ALL EXISTING FEATURES ARE NOT NECESSARILY SHOWN ON THIS PLAN. SEE EXISTING CONDITIONS PLAN.
- 2. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL INFORMATION.







REZONING PLANS

01/25/2022

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DRAINAGE PLAN

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	Townhon		nlogy an	1/25, d Hydrai		ulations																										
001101	ioni e yani	- 117011	0.0001 0.1	a riyara		Hydra	ulics											Hydr	ology							Cir	cular Cha	nnel Ratio	is ⁸			Flow Type
	Pipe Ir	werts			Pip	e Param	eters			Flow	Paramo	ters					Drainag	e Area ¹				Additio	nal Flow	Velo	city	Flow	rate	Flow	Area	Hydrauli	ic Radius	
Upst	ream	Downs	tream	Length	Diam.	Mat'l	n	Slope	I ₁₀₀	٧	Q	R	Α	Imp.	M.T.	B&C	CN	S	Runoff	Peak Q	ΣQ_{DA}	Q _{edd} 6	Q _{edd} US?	V ₁₀₀ /V ₅₂₈	V _{full}	Q ₂₀₀ /Q ₆₄₈	Qrut	A ₁₀₀ /A _{full}	A _{full}	R ₁₀₀ /R _{full}	R _{full}	
ID	Invert	ID	Invert	(ft)	(in)			(ft/ft)	(in/hr)	(fps)	(cfs)	(ft)	(sf)	(SF)	(SF)	(SF)	CN	(in)	(in)	(cfs)	(cfs)	(cfs)	(cfs)		(fps)		(cfs)		(sf)		(ft)	
A1	446.80	HB1	446.10	20.58	4	PVC	0.011	3.40%	8.25	4.10	0.12	0.07	0.03	849	0	0	98.00	0.20	8.01	0.12	0.12	0.00	0.00	0.86	4.75		0.41	0.32	0.09	0.79	0.08	CHANNEL
HB1	446.10	A3	441.95	129.92	6	PVC	0.011	3.19%	8.25		1.07	0.15	0.16	4849	0	0	98.00		8.01	0.70	1.07	0.00	0.00	1.13	6.04		1.19		0.20	1.21		CHANNEL
A3	441.85	BIO 1	441.50	21.59	8	PVC	0.011	1.62%	8.25	5.34	1.07	0.17	0.19	0	0	0	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.03	5.21	0.59	1.82	0.55	0.35	1.05	0.17	CHANNEL
A2	446.50	HB1	446.10	20.58	4	PVC	0.011	1.94%	8.25	3.99	0.25	0.10	0.06	170	2482	0	75.54	3.24	5.33	0.25	0.25	0.00	0.00	1.11	3.59	0.81	0.31	0.72	0.09	1.17	0.08	CHANNEL
																															_	
B1	437.50	B2	435.80	58.86	8	PVC	0.011	2.89%	8.25		1.56	0.18	0.22	272	4886	0	75.27		5.30	0.49	1.56	0.00	0.00	1.06	6.95		2.43		0.35	1.10		CHANNEL
B2	435.70	SD 5	435.52	20.80	15	PVC	0.011	0.87%	8.25		3.68	0.31	0.62	148	1343	- 0	76.38		5.43	0.15	3.68	0.00	0.00	1.00	5.79		7.10		1.23	1.01		CHANNEL
SD 5	435.42	SD 4	428.73	167.99	18	RCP	0.013	3.98%	8.25	13.38	18.66	0.45	1.40	3710	2190	- 0	89.09	1.22	6.94	0.73	18.66	0.00	0.00	1.13	11.86	0.89	20.96	0.79	1.77	1.21	0.38	CHANNEL
B6	441.25	BS	441.00	10.19	6	PVC	0.011	2.45%	8.25	4.81	0.36	0.11	0.08	2489	-		98.00	0.20	8.01	0.36	0.36	0.00	0.00	0.91	5.29	0.34	1.04	0.38	0.20	0.86	0.11	CHANNEL
B5	437.00	B4	436,70	15.98	8	PVC	0.011	1.88%	8.25		0.36	0.15	0.08	2460	504	0	93.92		7.52	0.40	0.76		0.00	0.91	5.61		1.96		0.20	0.90		CHANNEL
B4	436.40	B3	436,00	27.70	8	PVC	0.011	1.44%	8.25		0.90	0.17	0.14	945	34	0	97.17	0.29	7.91	0.40	0.90	0.00	0.00	1.01	4.92	0.52	1.72		0.35	1.01		CHANNEL
B3	435.90	B2	435.80	5.23	10	PVC	0.011	1.91%	8.25		1.98	0.21	0.29	6367	1786	0	92.74		7.38	1.08	1.98	0.00	0.00	1.02	6.56		3.58		0.55	1.03		CHANNEL
	100100		100100	0100			0.022	210200	0.20	0170	2.00	0.62	0.00	0007	2700	_	9411	0.10	7.00	2100	2100	0.00	0.00	2102	0.00	0.00	0.00	0.00	0.00	2.00	0.22	0.0
C1	452.82	C2	451.20	112.96	8	PVC	0.011	1.43%	8.25	4.75	0.77	0.16	0.16	5384	0	0	98.00	0.20	8.01	0.77	0.77	0.00	0.00	0.97	4.90	0.45	1.71	0.46	0.35	0.93	0.17	CHANNEL
C2	450.20	C3	450.05	7.42	8	PVC	0.011	2.02%	8.25	6.50	1.72	0.20	0.26	4555	3193	0	88.11	1.35	6.83	0.95	1.72	0.00	0.00	1.12	5.82	0.85	2.03	0.74	0.35	1.19	0.17	CHANNEL
C3	447.13	SD 7	445.40	46.38	18	RCP	0.013	3.73%	8.25	12.19	12.99	0.41	1.09	0	0	83452	94.00	0.64	7.53	11.27	12.99	0.00	0.00	1.06	11.48	0.64	20.29	0.62	1.77	1.10	0.38	CHANNEL
SD 7	444.40	SD 6	443.42	33.80	18	RCP	0.013	2.90%	8.25	11.01	12.99	0.42	1.15	0	0	0	0.00	0.00	0.00	0.00	12.99	0.00	0.00	1.09	10.12	0.73	17.89	0.65	1.77	1.13	0.38	CHANNEL
SD 6	443.08	SD 5	435.23	154.40	18	RCP	0.013	5.08%	8.25	13.81	14.25	0.40	1.01	1565	11140	0	76.96	2.99	5.50	1.25	14.25	0.00	0.00	1.03	13.40	0.60	23.69	0.57	1.77	1.06	0.38	CHANNEL

thdrology and hydraulic Calculations Methodology
Note all sever conveyance calculations shown here are for the 100 year storm event
National Sever conveyance calculations shown here are for the 100 year storm event
In Risk SCR values are

9,000 for impervious areas and are
14 for managed turf, ISSC C
16 for business & commercial, HSSC C
17 begins Storm is 500 yr, 24 hr:
18 mod concentration of flow to system anstruction of the violation by similar to the sace as Smithutes. In the Smith miles they provide separate Tc calculation justified to the similar to the sace as Smithutes. In the Smithutes, provide separate Tc calculation justified to the same and the sace as Smithutes. In the Smithutes, provide separate Tc calculation justified to the same as Smithutes. In the Smithutes, provide separate Tc calculation justified to the same as Smithutes. In the Smithutes, provide separate Tc calculation justified to the same as Smithutes. In the Smithutes are same as Smithutes. In the Smithutes are same as Smithutes. The Smithutes are same as Smithutes are same as Smithutes. The Smithutes are same as Smithutes. The

Flow time in pipe from upstream structure in run to downstream structure in run

Time of concentration of flow to downstream structure via storm sewer system

Controlling time of concentration of flow to upstream structure

At the engineer's option, an additional flowrate may be added which will propagate downstream in the system. This flowrate is not affected by time of concentration.

The sum of the additional flowrates added to the system upstream of the run in question.

Circular channel ratios are tabulated in the reference tab and have nested if statements that hinge on the flow type for the pipe run in question

For BMP overflows manually enter the adjust curve number from the VRRM worksheet

Park Rd To	wnhomes	5		1/25/	/2022																				
Sewer Co	veyance -	- Hydraulic	Gradeline	Calculation	ns																				
From	To	WSE _{down} 1	D	A _{full}	Q	L	Roat	n	Sfr	H _b	Vost	H _o ²	V _{in} ³	H _i ⁴	Angle ⁵	К	H _{bend} ⁶	Plunging ⁷	IS-1 ⁸	H _{etr} ⁹	H _{sotal}	WSEup	Top El ¹⁰	Top - WSE ₄	Remarks
		(ft)	(in)	(sf)	(cfs)	(ft)	(ft)		(ft/ft)	(ft)	(fps)	(ft)	(fps)	(ft)	(degrees)		(ft)			(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
SD 5	SD 6	438.63	18	1.77	14.25	154.40	0.38	0.013	1.84%	2.84	13.81	0.74	11.01	0.00	0	0.00	0.00	NO	NO	0.74	3.58	443.92	447.61	3.69	ADEQUATE
SD 6	SD 7	444.92	18	1.77	12.99	33.80	0.38	0.013	1.53%	0.52	11.01	0.47	12.19	0.00	0	0.00	0.00	NO	NO	0.47	0.99	445.44	452.59	7.15	ADEQUATE
SD 7	C3	446.90	18	1.77	12.99	46.38	0.38	0.013	1.53%	0.71	12.19	0.58	6.50	0.00	90	0.70	0.46	YES	NO	1.35	2.06	448.02	454.00	5.98	ADEQUATE
C3	C2	450.72	8	0.35	1.72	7.42	0.17	0.011	1.45%	0.11	6.50	0.16	4.75	0.00	90	0.70	0.25	YES	NO	0.53	0.64	450.82	453.45	2.63	ADEQUATE
C2	C1	451.79	8	0.35	0.77	112.96	0.17	0.011	0.29%	0.33	4.75	0.09	4.75	0.00	0	0.00	0.00	YES	NO	0.11	0.45	453.13	456.05	2.92	ADEQUATE
B2	B3	439.54	10	0.55	1.98	5.23	0.21	0.011	0.58%	0.03	6.70	0.17	4.96	0.00	90	0.70	0.27	YES	NO	0.57	0.60	439.57	441.10	1.53	ADEQUATE
B3	B4	440.14	8	0.35	0.90	27.70	0.17	0.011	0.39%	0.11	4.96	0.10	5.22	0.00	90	0.70	0.30	NO	NO	0.39	0.50	440.25	440.45	0.20	ADEQUATE
B4	B5	440.64	8	0.35		15.98	0.17	0.011	0.28%	0.04	5.22	0.11	4.81	0.00	0	0.00	0.00	YES	NO	0.14	0.18	440.69	442.00		ADEQUATE
B5	B6	441.38	- 6	0.20	0.36	10.19	0.13	0.011	0.29%	0.03	4.81	0.09	4.81	0.00	0	0.00	0.00	YES	NO	0.12	0.15	441.46	444.00	2.55	ADEQUATE
SD4	SD 5	429.93	18	1.77	18.66	167.99	0.38	0.013	3.16%	5.30	13.38	0.70	13.81	1.04	90	0.70	0.37	NO	NO	2.10	7.40	436.53	439.44	2.91	ADEQUATE
SD 5	B2	438.63	15	1.23	3.68	20.80	0.31	0.011	0.23%	0.05	5.81	0.13	6.70	0.24	90	0.70	0.49	NO	NO	0.86	0.91	438.68	441.25	2.57	ADEQUATE
B2	B1	439.54	8	0.35	1.56	58.86	0.17	0.011	1.20%	0.70	7.38	0.21	5.34	0.16	0	0.00	0.00	YES	NO	0.48	1.18	440.24	442.00	1.76	ADEQUATE
HB1	A2	447.05	4	0.09	0.25	20.58	0.08	0.011	1.27%	0.26	3.99	0.06	3.99	0.09	0	0.00	0.00	YES	NO	0.19	0.45	447.31	449.50	2.19	ADEQUATE
BIO 1	A3	442.03	8	0.35	1.07	21.59	0.17	0.011	0.56%	0.12	5.34	0.11	6.82	0.25	45	0.47	0.34	NO	NO	0.70	0.82	442.22	443.10	0.88	ADEQUATE
A3	HB1	442.91	6	0.20	1.07	129.92	0.13	0.011	2.61%	3.40	6.82	0.18	3.99	0.09	90	0.70	0.17	YES	NO	0.57	3.97	446.48	452.00	5.52	ADEQUATE
HB1	A1	447.05	4	0.09	0.12	20.58	0.08	0.011	0.29%	0.06	4.10	0.07	4.10	0.09	0	0.00	0.00	YES	NO	0.20	0.26	447.11	452.00	4.89	ADEQUATE

Hydraulic Gradeline Calculations Methodology

Lifriction slope = 0.4530²n²/A²R^{4/3} H_o friction loss = L*S_b V_o velocity out

 H_{o} structure outlet loss=0.25(0.3 if top pipe)* $V_0^2/2g$

g,gravity=32.2 V,,velocity in H,structure inlet loss=0.35*V,2/2g

H_{at}, structure bend loss=K*V₁²/2g H_{sto}structure loss = H_o+H_i+H_Δ H_{stob} total head loss=H_i+H_{str} Water surface elevation in bottom structure of pipe run. For the first (most downstream) run of HGL analysis per VDDT standards use the greater of the tailwater elevation (if known) or 80% full depth.

 $Expansion \ loss for \ upper \ structure \ of \ pipe \ run. \ If \ the \ upstream \ structure \ is \ a \ wye, \ the \ expansion \ losses \ are \ taken \ as \ zero.$

Velocity of water entering pipe run. If pipe run is at the top of the system, set this to the velocity out of the pipe run. Otherwise, use upstream pipe's velocity. If multiple pipes feed in, use the inlet velocity with the greatest momentum (QxV)

Contraction loss for upper structure of pipe run. If the upstream structure is a wye, the expansion losses are taken as zero.

Angle of deflection in the horizontal plane between the upper structure of the pipe run in question and the next upstream pipe. If multiple pipes in, this is the angle of the pipe which creates the most headloss. If no pipes in, set to zero.

Bend loss for upper structure of pipe run. By default this formula uses the listed inlet velocity. However, if multiple pipes feed into this run bend losses must be calculated for all inflowing pipes and the maximum chosen.

If 20%+ of the total flow is coming from a curb/grate inlet, or if there's an inlet pipe with an invert greater than the crown of the outlet pipe, plunging losses apply. The engineer may specify IS-1 inlet shaping for a structure which allows the inlet head losses to be reduced by 50%.

Structure loss (sum of expansion, contraction, and bend loses) for the upstream structure of the pipe run.

Top elevation of upper structure of pipe run.

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

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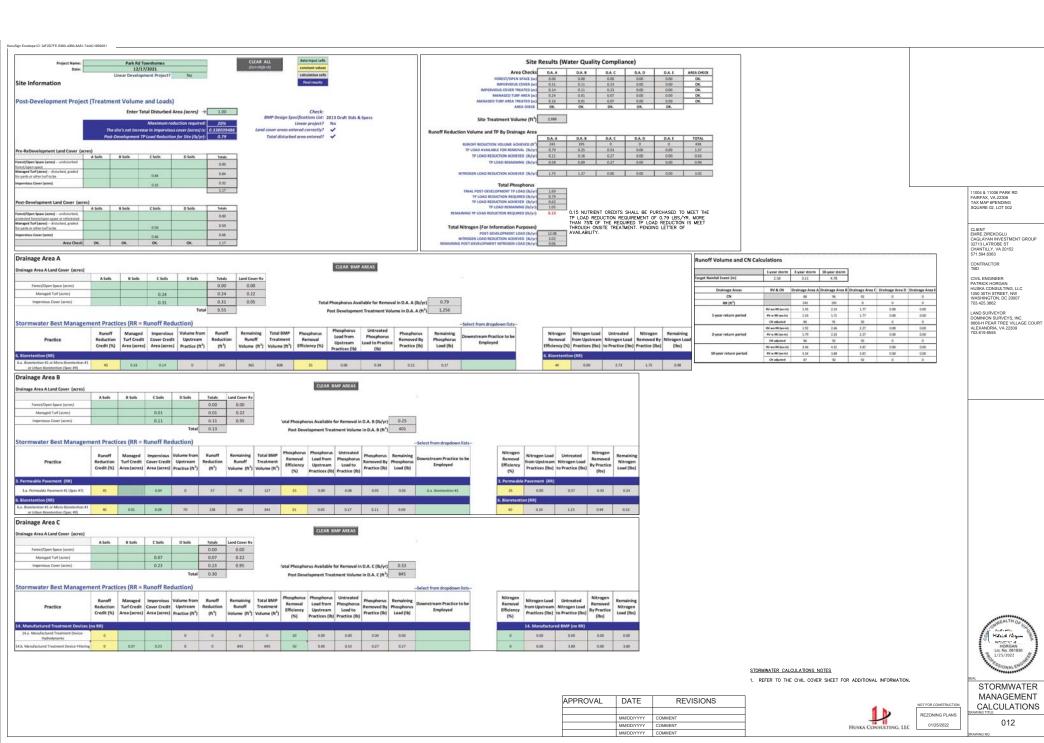
REVISIONS APPROVAL DATE MM/DD/YYYY COMMENT MM/DD/YYYY COMMENT



REZONING PLANS 01/25/2022

DRAINAGE PLAN

CALCULATIONS



DocuSion Envelope ID: 34F2D7FE-B380-40B0-8A81-7444C16B9251

Design Adequate:	. 1.0	_			
Design Adequate?	YES				
Overflow Basin Flowrate	1.65 CFS				
Elev. of Surroudning Wall Freeboard (Head)	442.50 FT 6.00 IN				
Overflow Basin Diameter Overflow Basin Rim Elev.					
Overflow Type Overflow Basin Diameter	12.00 IN				
100 Year Peak Flowrate (Q ₁₀₀) =	1.52 CFS				
100-Yr, 5-min Rainfall Intensity (I ₁₀₀) =	9.01 IN/	IR			
Overflow Riser Design					
Actual Surface Area	363 SF				
Required Surface Area (SA)	350 SF	1			
Equivalent Storage Depth (d _{eq})	1.75 FT				
Depth of Gravel [d _{grid}]	1.25 FT				
Depth of Bioretention Soil Mix (d _{85N})	3.00 FT				
Depth of Ponding (dpond)	0.50 FT				
Void Ratio of Gravel (ngw) =	0.40	1			
Void Ratio of Bioretention Soil Mix $(n_{\rm ISM})$ =	0.25				
Calculate Surface Area					
Max. Ponding Depth (dpond) =	1.00 FT				
Min Underdrain dia	0.33 FT				
Min Choker Stone above Pipe Crown	0.25 FT				
Max. Media Depth (dmediamin) =	4.00 FT		1000	7,0	
Min. Media Depth (dmediamin) =	2.00 FT	Queen = 3.24	7WH ^{1.46} - ((0.5)	66W ^{L9} /(1+)	2W ^{L8}))H ^{L9} +
Min Mulch Layer	0.25 FT	Q ₂₀ = (((Rv) >	(A) + (Rvc x Ac)	+ (Rv _N × A _N))	/43560)Xi10
Min/Max Values					
cottletti voilite (11)		Soil media d	oefficient of pe	ermeability (k _t) =
Total Treatment Volume (Tv)	613 CF	Tr < 24 hrs	,		
Drainage Area R,	0.56	$T_i = (T_i \times d_i)$	[(k _t /12) x (0.5h	r + dr) x Arl	
HSG	c	H			
Forested Area (A _N) =	0 SF	₀	0.9	0.29	0.24
Managed Turf Area (Ar) =	7,096 SF	c	0.9	0.27	0.19
Total Impervious Area (A) =	6,041 SF	B	0.9	0.23	0.16
Total Drainage Area (A) =	13,137 SF	I	0.9	0.20	0.12
Define Drainage Area		HSG	R.	Rvr	R ₄
Maximum Drainage Area	2.5 AC	Oeq. = (085M >	nessa) + (d _{grvi} x i	Dgvi) + Operal	
Totla Phosphorous Removal Maximum Drainage Area	2.5 AC	1			
Runoff Reduction Total Phosphorous Removal	40% 25%		r 12 1) + (Ao x Rvo) +		
		T _v = (R _v x A)		ranag.	

etentio	Sizing Method	lology		Basin Dia.	Flov	v Rate Base	ed on Head	(IN)
[R _i x A] ,	12			(IN)	3	6	9	12
(A ₀ x Rv;) + (A ₂ x Rv ₂) +	(A _n x Rv _n)		8	0.495	0.715	0.860	0.990
- (d _{взм} х	nessa) + (d _{grvi} x i	ngral) + danna		10	0.900	1.275	1.540	1.780
				12	1.155	1.650	2.025	2.340
	Ri	RMT	R _F	15	1.500	2.725	3.300	3.800
	0.9	0.20	0.12	18	1.825	4.000	4.825	5.625
	0.9	0.23	0.16	24	2.400	6.200	7.600	8.700
	0.9	0.27	0.19	30	3.250	9.250	11.500	13.40
	0.9	0.29	0.24					
$T_{\nu} \times d_{\ell})/$	$[(k_l/12) \times (0.5h)$	r + dr] x Ar]						

MTD - Filter Devices Sizing			MTD - Filter Devic	s Meth	odology	
Runoff Reduction	0%		T _v = (R _e x A) / 12			
Totla Phosphorous Removal	50%		$R_v = (A_0 \times Rv_1) + (A_1 \times Rv_2) + (A_2 \times Rv_3) + (A_3 \times Rv_3) + (A_4 \times Rv_3) $	x Rv ₂)	(A _n x Rv _n)	
			Q _a = Tv / A			
Define Drainage Area			CN = 1,000 / (10 +	SP +100	Q _a - 10(Q _a ² + 1	250
Total Drainage Area (A) =	13,132	SF	P = 1.0 inch in Vir	ginia		
Total Impervious Area (A) =	9,939	SF	Ia taken from Tabl	4-1 of	the NRCS TR-5	5
Managed Turf Area (Ac) =	3,193	SF	$q_{pTr} = q_a \times A \times Q_a$		A is in squa	rei
Forested Area (A _N) =	0	SF				
HSG	C		HSG	Ri	R_{MT}	
Drainage Area R,	0.75		Α	0.9	0.20	
			В	0.9	0.23	
Calculate Peak Discharge			c	0.9	0.27	
Total Treatment Volume (Tv)	817	CF	D	0.9	0.29	
Runoff Volume, Q _a	0.06					
CN	78.34					
Time of Concentration, To	5.00	MIN				
Initial abstraction, Ia	0.564					
I _b /P	0.564					
Unit Peak Discharge, qu	550					
		CFS				

Filtering Device Sking
Ma nufacturer ADS
Filtering Device Bayfilter
Model CBF-4
Water Quality Flowrate 33.75 GPM
Convert to CFS 0.08 CFS

1	Permeable Paver 1 (Level 1)
45%	Runoff Reduction
25%	Totla Phosphorous Removal (Eff _{EMP})
2.5:1 Ma	Paver Area:DA ratio
	Define Drainage Area
1,603 SF	Total Drainage Area (A) =
1,603 SF	Permeable Pavement Area (A _r)
0 SF	Impervious Area (A)
0.90	Drainage Area R _e
132 CF	Required Treatment Volume (Tv)
	Underlying Soil Information
	Assumed Infiltration Rate (i)*
i C	HSG
Unknown FT	Depth to GWT
	Design Criteria
4008 FT	Max Impervious CDA
0.20 FT	Min. Stone Reservoir Depth (dupped =
2.50 FT	Max. Stone Reservoir Depth (d _{stone-min}) =
0.40	Void Ratio of Gravel (n) =
1.00 FT	Depth of Stone Reservoir (d _{stone})

meable	Paver Sizin	Methodolo	EX	
[1.1 x R	x A} / 12			
(A _i x Rv _i) + (A _{WT} x R	MT) + (A _F x R	vs)/A	
e = P x [(A/x Rvi) + [Aur x Rvur) +	$\{A_i \times Rv_i\}+\{A_0\}$	/(n _r x A _p ; Eq 7.1
Rainfall	depth, Levi	el 1=0.08 ft,	Level 2= 0.09 ft	
nervos = ()	0.5 x i x t _i)	/ [n x 12]		Eq 7.2
off coef	ficients tak	en from Tab	le 4-4 Of the VA	SWMH
HSG	Re	Rest	R _F	
A	0.9	0.20	0.12	
В	0.9	0.23	0.16	
С	0.9	0.27	0.19	
D	0.9	0.29	0.24	

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6363

CONTRACTOR TBD

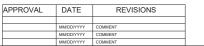
CIVIL ENGINEER
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LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

Bioretention Level 2
Runoff Reduction 40%
Totla Phosphorous Removal 25%
Maximum Drainage Area 2.5 AC Min/Max Values
Min Mulch Layer 0.25 FT
Min. Media Depth (dered arm n) = 2.00 FT
Max. Media Depth (dered arm n) = 4.00 FT
Min Choker Stone shove Pipe Crown
Min Choker Stone shove Pipe Crown
Min Choker Stone shove Pipe Crown
Max. Pending Depth (d_{paxx}) = 1.00 FT Void Ratio of Biocentes on Soil Mix (Press) = 0.25
Void Ratio of Biocentes on Soil Mix (Press) = 0.25
Depth of Broading (Susual) 0.00 pr
Depth of Broading (Susual) 0.00 pr
Depth of Broading (Susual) 0.00 pr
Depth of Broading (Susual) 1.00 pr
Equivalent broad see Specific (Susual) 1.00 pr
Requirement Soil Mix (Susual) 1.00 pr
Requireme | Doerflow Rises Design | 100-77, Semin Rainfall Intensity | 1₁₀₀ | = 0, 11 | In/ns | 100 Ver Pauk Fiowards (Qu₃) = 0.65 CFS | Doerflow Type | Dome Basin | Overflow Rasin Diameter | 8.00 IN | Overflow Basin Rim Ite. | 481.30 FT | Ite. of Surroudning Wall | 422.00 FT | Freeboard | Isead | 6.00 IN | Overflow Basin Rim Version | 272 CFS | Design Adequate? | YES | VERSION |

STORMWATER CALCULATIONS NOTES

1. REFER TO THE CIVIL COVER SHEET FOR ADDITIONAL INFORMATION.





REZONING PLANS 01/25/2022

STORMWATER MANAGEMENT CALCULATIONS

FAIRFAX COUNTY BIORETENTION MATERIAL SPECIFICATIONS

THE BIORETENTION SOIL MEDIA MUST MEET THE REQUIREMENTS OF VIRGINIA STORMWATER DESIGN SPECIFICATION NO. 9 BIORETENTION (LATEST VERSION REFERENCE) IN THE VSMP REQUILATIONS). SEE VIRGINIA DEED BIORETENTION MATERIAL SPECIFICATIONS THIS SHEET

THE FOLLOWING IS THE RECOMMENDED COMPOSITION OF THE BIORETENTION SOIL MEDIA

SAND SAND MUST MEET AASHTO M-6, ASTM C-33, OR VDOT SECTION 202 GRADE "A" FINE AGGREGATE SPECIFICATIONS. SAND MUST BE CLEAN AND FREE OF DELETERIOUS MATERIALS.

ORGANIC MATERIAL ANY ORGANIC MATERIAL ADDED TO CREATE THE FINAL SOIL MIXTURE MUST CONSIST OF LEAF COMPOST OR COMPOST MEETING THE REQUIREMENTS OF VIRGINIA STORMWATER DESIGN SECREGATION NO. 4 SOIL COMPOST AMERIMENT: THE FINAL SOIL MIXTURE MAY NOT CONTRAIN ANY MATERIAL OR SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWIN, OR A HORGANIC TO PERMATH GROWN FOR MAINTEMANCE.

THE FINAL SOL MATURE MAY NOT CONTAIN ANY MATERIAL OR SURSTANCE THAT MAY BE BOOKETHOO AREA MUST HAVE A MINIMAL OF SUR SOL. TEST PERFORMED ON THE FINAL SOL MATER TO DEDONOMENT COMPLANCE WITH THE MEXIME RECORDERATION FOR SAMIL, SOL. OF SURVEY SHAPE AND STANDARD THE THAT SHAPE AND STANDARD THE THAT SHAPE AND STANDARD THE METHOD. TEST RESULTS AND MATERIALS CRETIFICATIONS MUST BE SIMPHILITED TO DE SETORE BOOK BELLES.

MULCH:

PVC:

DESCRIPTION WITH SEPPLE PRE COCCOMING TO THE RECURSIONS OF SAID 1756, THE 22 CH ACRES THE WEST PRES COCKNOWN TO THE RECURSIONS TO ACRES CHE ACRES COCKNOWN TO THE RECURSIONS AND THE PRESONNED THE PRESENCE OF THE 25 CH ACRES CHE ACRES CHE

FILTER FABRIC:

FILTER FABRIC. FILTER FABRIC MUST BE A NEEDLED, NON-WOVEN, POLYPROPYLENE GEOTEXTLE MEETING THE REQUIREMENTS LISTED IN VIGIGINA STORMWATER DESIGN SPECIFICATION NO. 9 BIORTENTION (LATEST VERSION REFERENCE) IN THE SUSP REQUIATIONS). SEE VERSIONAL DED BIORTENTION MATERIAL, SPECIFICATIONS THIS SHEET, HEATSET OR HEAT-CALENDARED FABRICS ARE NOT FERMITED.

NOTES:

THE PRICE IS AN AGGORDAN TIST LED IN NORTH CARGUNA TO NDOATE THE POTENTIAL TO PART OF THE PART OF THE

TESTS FOR ORGANIC CONTENT, CEC, SOLUBLE SALTS, AND PH ARE REFERENCED TO BE IN ACCORDANCE WITH RECOMMENDED SOIL TESTING PROCEDURES FOR THE NORTHEASTERN UNITED STATES. CURRENT EDITION. NORTHEASTERN REGIONAL PUBLICATION NO. 493.

VIRGINIA DEO BIORETENTION MATERIAL SPECIFICATIONS

THE MINERAL SOIL TEXTURE OF THE BIORETENTION SOIL MIX SHOULD BE LOAMY COARSE SAND WITH NO MORE THAN 10% CLAY, NO MORE THAN 20% SILT + CLAY AND AT LEAST 75% OF THE SAND FRACTION SHOULD BE COARSE OR YERY COARSE SAND.

TO ALLOW FOR APPROPRIATE CATION EXCHANGE CAPACITY (CEC) AND NUTRIENT REMOVAL, THE MIX SHOULD CONTAIN AT LEAST 10% SOIL FINES (SILT + CLAY) WHILE MEETING THE OVERALL TEXTURE SPECIFICATION ABOVE.

THE FILTER MEDIA SHOULD CONTAIN 3% TO 5% ORGANIC MATTER BY CONVENTIONAL WALKEY-BLACK SOIL ORGANIC MATTER DETERMINATION METHOD OR SMILLAR ANALYSIS, SOIL ORGANIC MATTER IS EXPRESSED ON A DRY WEIGHT BASIS AND DOES NOT INCLUDE COARSE PARTICULATE (VISIBLE) COMPONENTS.

THE BIORETENTION SOIL MIX SHALL HAVE A MINIMUM SOIL PERMEABILITY OF HYDRAULIC CONDUCTIVITY OF (KSAT) OF 1 TO 2 INCHES PER HOUR (OR 30 TO 60 CM/DAY).

TREE PLANTINGS:

FILTER FABRICS:

USE A NON-WOVEN GEOTEXTILE FABRIC WITH A FLOW RATE OF > 110 GAL_/MIN./SQ. FT. (E.G., GEOTEX 351 OR EQUIVALENT). APPLY ONLY TO THE SIDES AND DIRECTLY ABOVE THE UNDERDEADLY, FOR HOTSPOTS AND DESTAIN KARST SITES ONLY, USE AN APPROPRIATE LINER

FOR A MINIMUM DISTANCE OF 10' FROM THE FOOTPRINT OF ALL BIORETENTION FACILITIES, AN IMPERIERABLE LINER WITH A MINIMUM THICKNESS OF 30 MM AND CONSISTING OF PIVE GEOMEMBRANE MUST BE APPLIED ALONG THE DEPTH OF THE PRACTICE NEXT TO ALL ADJACENT WALLS AND BUILDINGS.

FAIRFAX COUNTY BIORETENTION CONSTRUCTION SPECIFICATIONS

FAMERAX. COUNTY BIGNETIMION CONSTRUCTION. SPECIFICATIONS THE OWNER MUST PROVIDE FOR IMPECTION DURING CONSTRUCTION OF THE FACULTY BY A LECKED DISCON PROVIDE FOR METHOD LURISD CONSTRUCTION OF THE FACULTY WAS CONSTRUCTED IN ACCOUNTY OF THE FACULTY OF THE FACULTY WAS CONSTRUCTED IN ACCOUNTY OF THE FACULTY OF THE FACULTY.

THE COMPONENTS OF THE SOIL MEDIA MUST BE THOROUGHLY MIXED UNTIL A HOMOGENEOUS MIXTURE IS OBTANED. IT IS PREFERABLE THAT THE COMPONENTS OF THE SOIL MEDIA BE MIXED AT A BATON FACULTY BEFORE DELIVERY TO THE STET. THE SOIL MEDIA MUST BE MOISTENED, AS NECESSARY, TO PREVENT SEPARATION DURING INSTALLATION.

THE SIGN MIGHT MET STEED FOR PAY, DRIGHAND MATTER, GRAM SIZE DISTRIBUTION, PRED THE SIGN MIGHT SET STEED FOR PAY, DRIGHAND MATTER, GRAM SIZE DISTRIBUTION, PRED METHODS SETONE STITLLATION, F. THE RESULTS OF THE TESTS REQUEST THAT THE RESULTS SEPECIPACITION SET ON THE THE SIZE SETON THE TESTS REQUEST THAT THE RESULTS SEPECIPACITION SETONE PAY THE SIZE SETON THE SIZE

FOR BIORETENTION BASINS, THE FLOOR OF THE FACILITY MUST BE SCARIFIED OR TILLED TO REDUCE SOIL COMPACTION AND RAKED TO LEVEL IT BEFORE THE FILTER FABRIC, STONE, AND SOIL MEDIA ARE PLACED.

THE SOL MEDIA MAY BE PACED BY MICHANICAL METHODS WITH MINHAL COMPACTION IN ORDER TO MARKET AND PROPERTY OF THE MURILS, PREPAIGNED MIST BE PLACED IN 8 — TO 12—MICHAIL STEEN WITH NO MACHINERY ALLOWED OVER THEM, THE PROPERTY OF THE PROPERTY

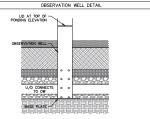
THE LOW THE STATE AND AND CONTROL OF LICEN MATERIALS. THE CONTROL OF LICEN MATERIAL FIRE CONTROL OF LICEN CONTROL OF LICENS CONTROL OF LICENS AND AND LICENS CONTROL OF LICENS AND LICENS AND LICENS CONTROL OF LICENS AND LICENS CONTROL OF LICENS AND LICENS CONTROL OF LICENS AND LICE

PLANT MATERIAL MUST BE INSTALLED PER SECTION \$ 12-0505 OF THE FAIRFAX COUNTY PFM. PLANTING MUST TAKE PLACE AFTER CONSTRUCTION IS COMPLETED AND DURING THE FOLLOWING PERIODS: MARCH 15 THROUGH JUNE 15 AND SEPT. 15 THROUGH NOV. 15, UNLESS OTHERWISE APPROVED BY THE DIRECTOR.

ALL AREAS SURROUNDING THE FACILITY THAT ARE GRADED OR DENUDED DURING CONSTRUCTION OF THE FACILITY AND ARE TO BE PLANTED WITH TURF GRASS MUST BE SODDED.

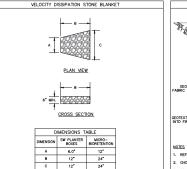
THE FACULTY MUST BE INSPECTED AT 12-24 AND 36-48 HOURS AFTER A SIGNFICANT RAMFALL (0.5-1.0 INCHES) OR ARTHOUAL FLOCOING TO DETERMINE THAT THE FACULTY IS DRAINNO PROPERLY. RESULTS OF THE INSPECTION MUST BE PROVIDED TO LOS BEFORE BOND RELEASE.

VA DEQ BMP SPECIFICATION NO. 9 - TABLE 9.8 SUGG MAINTENANCE ACTIVITIES FOR BIORETENTI	
MAINTENANCE TASKS	FREQUENCY
MOWING OF GRASS FILTER STRIPS AND BIORETENTION TURF COVER	AT LEAST 4 TIMES A YEAR
SPOT WEDDING, EROSION REPAIR, TRASH REMOVAL, AND MULCH RAKING	TWICE DURING GROWING SEASON
ADD REINFORCEMENT PLANTING TO MAINTAIN DESIRED VEGETATION DENSITY REMOVE INVASIVE PLANTS USING RECOMMEND CONTROL METHODS STABILIZE THE CONTRIBUTING DRAINAGE AREA TO PREVENT EROSION	AS NEEDED
SPRING INSPECTION AND CLEANUP SUPPLEMENT MULCH TO MAINTAIN A 3-INCH LAYER PRUNE TREES AND SHRUBS	ANNUALLY
REMOVE SEDIMENT IN PRE-TREATMENT CELLS AND INFLOW POINTS	ONCE EVERY 2 TO 3 YRS
REPLACE THE MULCH LAYER	EVERY 3 YRS



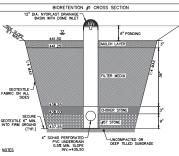
OBSERVATION WELL DETAIL NOTES

- THE OBSERVATION WELL SHALL BE A VERTICAL 6-INCH SCHEDULE 40 PVC PERFORATED PIPE WITH A LOCKABLE CAP AND ANCHOR PLATE.
- THE BASE PLATE SHALL BE AT LEAST 12"x12" AND CONSIST OF A MATERIAL THAT WILL NOT RUST OR CORRODE OVER TIME IN WET CONDITIONS SUCH AS GALVANIZED STEEL.



VELOCITY DISSIPATION STONE BLANKET NOTES

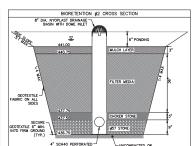
- STONES SHALL HAVE A MINIMUM MEAN DIAMETER (D50) OF 3"
- DEPTH OF STONE SHALL BE AT LEAST 6*
- 3. STONE MAY BE GROUTED IN PLACE AT CLIENT/CONTRACTOR OPTION



- 1. REFER TO FAIRFAX COUNTY SPECIFICATIONS FOR SOIL MEDIA.
- 2. CHOKER STONE LAYER SHALL BE PEA GRAVEL OR VDOT 48 STONE.
- 3. GRAVEL LAYER SHALL BE #57 DOUBLE WASHED CLEAN STONE. 4. DO NOT COMPACT SUBGRADE UNDER RAIN GARDEN FACILITIES.
- 5. ALL STRUCTURES WITHIN 10' OF BIORETENTION FACILITIES MUST BE WATERPROOFED

IMPERMEABLE LINING NOTE

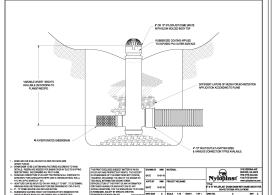
FOR A MINIMUM DISTANCE OF 10' FROM THE FOOTPRINT OF ALL BIORETENTION FACILIT IMPERMEABLE LINER WITH A MINIMUM THICKNESS OF 30 MM AND CONSISTING OF PUC GEOMEMBRANE MUST BE APPLIED ALONG THE DEPTH OF THE PRACTICE NEXT TO ALL ADJACENT WALLS AND BUILDINGS.

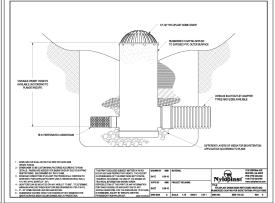


- NOTES . REFER TO FARFAX COUNTY SPECIFICATIONS FOR SOIL MEDIA.
- 2. CHOKER STONE LAYER SHALL BE PEA GRAVEL OR VDOT 48 STONE. 4. DO NOT COMPACT SUBGRADE UNDER RAIN GARDEN FACILITIES.
- 3. GRAVEL LAYER SHALL BE #57 DOUBLE WASHED CLEAN STONE.
- 5. ALL STRUCTURES WITHIN 10' OF BIORETENTION FACILITIES MUST BE WATERPROOFED

IMPERMEABLE LINING NOTE

FOR A MINIMUM DISTANCE OF 10' FROM THE FOOTPRINT OF ALL BIGNETENTION FAULTIES, AN IMPERMEABLE LINER WITH A MINIMUM THICKNESS OF 30 MINIMUM AND CONSISTING OF PVC GEOMEMBRANE MUST BEE APPLIED ALONG THE DEPTH OF THE PRACTICE NEXT TO ALL ADJACENT WALLS AND BUILDINGS.





APPROVAL	DATE	REVISIONS
	MM/DD/YYYY	COMMENT
	MM/DD/YYYY	COMMENT
	MM/DD/YYYY	COMMENT



REZONING PLANS

BIORETENTION DETAILS

014

11004 & 11006 PARK RD

FAIRFAX, VA 22306

TAX MAP #PENDING SQUARE 02, LOT 002

CHANTILLY, VA 20152 571.594.6363

CIVIL ENGINEER
PATRICK HORGAN
HUSKA CONSULTING, LLC
1050 30TH STREET, NW
WASHINGTON, DC 20007

LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

CONTRACTOR

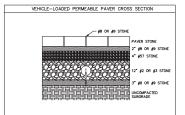
703.425.3862

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST

VA DEQ BMP SP	ECIFICATION NO. 7 - TABLE FOR UNDERNEATH THE PAVEM	7.6 MATERIAL SPECIFICATIONS ENT SURFACE
MATERIAL	SPECIFICATION	NOTES
BEDDING LAYER	PC: NONE PA: 2 IN. OF NO. 57 STONE IP: 2 IN. OF NO. 8 STONE OVER 4 INCHES OF NO. 57 STONE	ASTM D448 SIZE NO. 8 STONE (E.G. 3/8 TO 3/16 INCH IN SIZE). SHOULD BE WASHED AND CLEAN AND FREE OF ALL FINES.
RESERVOIR LAYER	PC: NO. 57 STONE PA: NO. 2 STONE IP: NO. 2, 3, OR 4 STONE	ASTM D448 SIZE NO. 57 STONE (E.G. 1 1/2 TO 1/2 INCH IN SIZE); NO. 2 STONE (E.G. 3 INCH TO 3/4 INCH IN SIZE). DEPTH IS BASED ON THE PAVEMENT STRUCTURAL AND HYDRAULIC REQUIREMENTS. SHOULD BE WASHED AND CLEAN AND FREE OF ALL FINES.
UNDERDRAIN	USE 4 TO 6 INCH DIAMETER PERFORM WITH JAB-INCH PERFORATIONS AT 1 UNDERGRAIN INSTALLED AT A MINIM OR LESS FROM THE NEXT PIPE (OR MAY BE USED FOR SMALLER LOAD-PERFORATED PIPE INSTALLED FOR THE PREMEABLE PAVEMENT CELL, AND IN INSTALLED AS NEEDED, DEPENDING CONFIGURATION, EXTERD CLEANOUT, VENTED CAPS AT THE TS AND YS.	5 INCHES ON CENTER; EACH JUM 0.5% SLOPE LOCATED 20 FEET EQUIVALENT CORRUGATED HOPE BEARING APPLICATIONS). HE FULL LENGTH OF THE ON-PERFORATED PIPE, AS NEEDED, IRM DRAIN SYSTEM IT'S AND Y'S ON THE UNDERDRAIN
FILTER LAYER	THE UNDERLYING NATIVE SOILS SHOULD BE SEPARATED FROM THE STONE RESERVOIR BY A THIN, 2 TO 4 INCH LAYER OF CHOKER STONE (E.G. NO. 8) COVERED BY A 6 TO 8 INCH LAYER OF COARSE SAND (E.G. ASTM C 33, GRADATION).	THE SAND SHOULD BE PLACED BETWEEN THE STONE RESERVOIR AND THE CHOKER STONE, WHICH SHOULD BE PLACED ON TOP OF THE UNDERLYING NATIVE SOILS.
FILTER FABRIC	USE AN APPROPRIATE FILTER FABRI APPLICATION BASED ON AASHTO M2 A FLOW RATE GREATER THAN 125 C APPARENT OPENING SIZE (AOS) EQU SEVE (ASTM D4751). THE GEOTEXTII THE PERCENT PASSING THE NO. 200 USING FHWA OR AASHTO SELECTION	88-06 FILTER FABRIC SHOULD HAVE IPM/SQ. FT. (ASTM D4491), AND AN IIVALENT TO A US # 70 OR # 80 E AOS SELECTION IS BASED ON D SIEVE IN "A" SOIL SUBGRADE.
IMPERMEABLE LINER	USE A THIRTY MIL (MINIMUM) PVC G TO 12 OZ./SQ. YD.2 NON-WOVEN G ONLY FOR KARST REGIONS.	EOMEMBRANE LINER COVERED BY 8 EOTEXTILE. NOTE: THIS IS USED

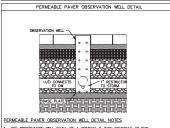
OBSERVATION WELL USE A PERFORATED 4 TO 6 INCH VERTICAL PVC PIPE (AASHTO M 252) WITH A LOCKABLE CAP, INSTALLED FLUSH WITH THE SURFACE.

VA DEQ BMP SPECIFICATION NO. 7 — TABLE 7.8 RE MAINTENANCE TASKS FOR PERMEABLE PAVEMENT	
MAINTENANCE TASKS	FREQUENCY
FOR THE FIRST 6 MONTHS FOLLOWING CONSTRUCTION, THE PRACTICE AND CONTRIBUTING DRAINAGE AREA SHOULD BE INSPECTED AT LEAST TIME AFFER STORM EVENTS THAT EXCEED 1/2 INCH OF RAINFALL CONDUCT ANY NEEDED REPAIRS OR STABILIZATION.	AFTER INSTALLATION
MOW GRASS IS GRID PAVER APPLICATIONS	AT LEAST 1 TIME EVERY 1-2 MONTHS DURING THE GROWING SEASON
STABILIZE THE COA TO PREVENT EROSION REMOVE ANY SOL OR SEDIMENT DEPOSITED ON PAVEMENT. REPLACE OR REPAIR ANY ROCESSARY PAVEMENT SURFACE AREAS THAT ARE DEGENERATING OR SPALLING	AS NEEDED
VACUUM PAVEMENT WITH A STANDARD STREET SWEEPER TO PREVENT CLOGGING	2-4 TIMES PER YEAR (DEPENDING ON USE)
CONDUCT A MAINTENANCE INSPECTION SPOT WEEDING OF GRASS APPLICATIONS	ANNUALLY
REMOVE ANY ACCUMULATED SEDIMENT IN PRE-TREATMENT CELLS AND INFLOW POINTS	ONCE EVERY 2 TO 3 YEARS
CONDUCT MAINTENANCE USING A REGENERATIVE STREET SWEEPER REPLACE ANY NECESSARY JOINT MATERIAL	IF CLOGGED



PERMEABLE PAVER DETENTION FACILITY DETAILS NOTES

- PAVER TYPE, STYLE, AND MANUFACTURER PER ARCHITECTURAL PLANS. USE MANUFACTURER'S SPECIFICATIONS.
- . UNDERDRAINS SHALL BE 4" PERFORATED SCHEDULE 40 PVC UNLESS NOTED OTHERWISE, UNDERDRAINS SHALL BE INSTALLED 2" ABOVE COMPACTED SUBGRADE.
- SPACE BETWEEN PAVERS MUST BE FILLED WITH #8 OR #9 STONE UP TO 1/4* FROM THE SURFACE.



- THE OBSERVATION WELL SHALL BE A VERTICAL 6-INCH SCHEDULE 40 PVC PERFORATED PIPEWITH A LOCKABLE CAP AND ANCHOR PLATE.
- THE BASE PLATE SHALL BE AT LEAST 12"x12" AND CONSIST OF A MATERIAL THAT WILL NOT RUST OR CORRODE OVER TIME IN WET CONDITIONS SUCH AS GALVANIZED STEEL.
- REFER TO ARCHITECTURAL PLANS FOR THE TOP TO BE USED FOR THE OBSERVATION WELL, WHICH DOUBLES AS A DRAIN.

FOR A MINIMUM DISTANCE OF 10' FROM THE FOOTPRINT OF ALL BIORETENTION FACULTES, AN UPPRINEASE LINER WITH A MINIMUM THRONESS OF 30 MINIMUM AND CONSISTENT OF FIVE GEOMEMBRANE MUST BE APPLIED ALONG THE DEPTH OF THE PRACTICE NEXT TO ALL ADJACENT WALLS AND BUILDING.

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6363

CONTRACTOR TBD

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LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

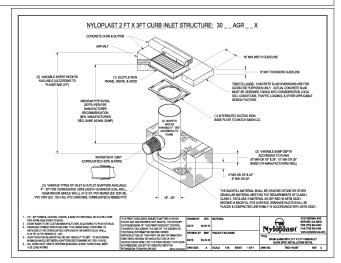
PERMEABLE PAVEMENT DETAILS

APPROVAL	DATE	REVISIONS		
	MM/DD/YYYY	COMMENT		
	MM/DD/YYYY	COMMENT		
	MM/DD/YYYY	COMMENT		



10112 BAYFILTER CBF **PLAN VIEW** BAYFE,TER CBF-4 BAYSAVER PROJECT
LOCATION
WATER QUALITY FLOW
CHINNIGH PREA
CAPTERIOR CESSION FLOW I
B BAYTLTER CAPITION
TREATED SESSION FLOW
"VIRI STOUM"
"VIRI STOUM" - OUTLET PIPE BAYFILTER - AIR RELEASE VALVE INLET DRAINAGE MATERIAL OUTLET DRAINAGE MATERIAL 50 SECTION A-A SECTION B-B BHEET --- OF ---

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APPROVAL DATE REVISIONS COMMENT MM/DD/YYYY COMMENT MM/DD/YYYY COMMENT



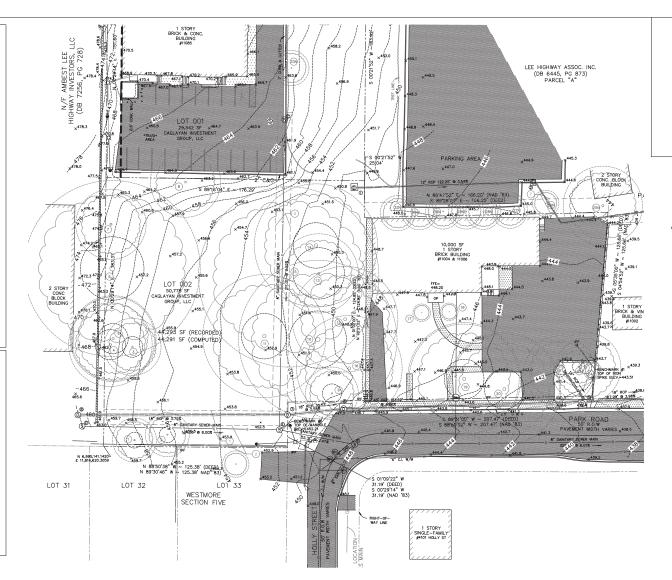
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STRUCTION	DETAILS
PLANS	DRAWING TITLE

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Tree List for 11004Park Rd. Fairfax City, VA Prepared by Bill Becker, ISA Certified Arborist # MA-0216A November 18, 2021

Tree	Common Name Botanical name	DBH Het.	Condition	Life Exp.	Preservation Measures	Canopy Sq. Ft.
1	Black Locust Robinia pseudoacacia	10"	Fair	>10	To be determined.	N/A
2	Black Locust Robinia pseudoacacia	10"	Fair	>10	To be determined.	N/A
3	Black Locust Robinia pseudoacucia	13"	Fair	>10	To be determined.	N/A
4	Tulip Poplar Liriodendron tulipifera	19"	Dead	0	To be determined.	N/A
5	Tulip Poplar Liriodendron tulipifera	19"	Dead	0	To be determined.	N/A
6	Pin Oak Ouercus palustris	40"	Fair	>7.	To be determined.	N/A
7	Black Locust Robinia pseudoacacia	16"	Dead	0	To be determined.	N/A
8	Bradford Pear Pyrus calleryana	16"	Fair	>10	To be determined.	N/A
9	Black Locust Robinia pseudoacacia	12"	Poor	3	To be determined.	N/A
10	Wild Cherry Prunus serotina	36"	Poor	⊲.	To be determined.	N/A
11	Tulip Poplar Liriodendron tulipifera	287	Fair	>10	To be determined.	N/A
12	Tulip Poplar Liriodendron tulipifera	247	Fair	>10	To be determined.	N/A
13	White Ash Fraxinus americana	18"	Fair	>10	To be determined.	N/A
14	Red Maple Acer rubrum	28"	Fair	>10	To be determined.	N/A
15	Tulip Poplar Liriodendron tulipifera	41".	Fair	>10	To be determined.	N/A
16	Tulip Poplar Liriodendron tulipifera	24"	Fair	>10	To be determined.	N/A
17	Sugar Maple Acer saccharum	4"	Good	>10	To be determined.	N/A
18.	Sugar Maple Acer saechanum	4"	Good	>10	To be determined.	N/A
19	Tulip Poplar Liriodendron tulipifera	25"	Good	>10	To be determined.	N/A
20	Pin Oak Quercus palustris	25"	Good	>10	To be determined.	N/A
21	Eastern Redcedar Janiperus virginiana	16"	Good	>10	To be determined.	N/A

22	Eastern Redcedar Juniperus virginiana	9"	Good	>10	To be determined.	N/A
23	Eastern Redcedar Juniperus virginiana	16"	Good	>10	To be determined.	N/A
24	Wild Cherry Prumus serotina	4"	Poor	d.	To be determined.	N/A
25N	White Pine Pinus strobus	187	Dead	0	To be determined.	N/A
26N	Leyland Cypress Cupressocyparis leylandii	6-	Good	>10	To be determined.	N/A
27N	Leyland Cypress Cupressocyparis leylandii	8	Good	>10	To be determined.	N/A
28N	Leyland Cypress Cupressocyparis leylandii	8.	Good	>10	To be determined.	N/A
29N	Leyland Cypress Cupressocyparis leylandii	8-	Good	>10	To be determined.	N/A
30N	Leyland Cypress Cupressocyparis leylandii	8-	Good	>10	To be determined.	N/A
31N	Leyland Cypress Cupressocyparis leylandii	8	Good	>10	To be determined.	N/A
32N	Leyland Cypress Cupressocyparis leylandii	Я.,	Fair	>10	To be determined.	N/A
33N	Black Locust Robinia pseudoacacia	8-	Fair	>10	To be determined.	N/A
34N	Black Walnut Juglans Nigra	8"	Fair	>10	To be determined.	N/A
35N	White Mulberry Morus alba	8	Fair	>10	To be determined.	N/A
36N	Black Walnut Jurians Niera	167	Fair	>10	To be determined.	N/A









REZONING PLANS 01/25/2022

11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6383

CONTRACTOR TBD

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PATRICK HORGAN
HUSKA CONSULTING, LLC
1050 30TH STREET, NW
WASHINGTON, DC 20007
703.425.3862

LAND SURVEYOR DOMINION SURVEYS, INC. 8808-H PEAR TREE VILLAGE COURT ALEXANDRIA, VA 22309 703.619.6555

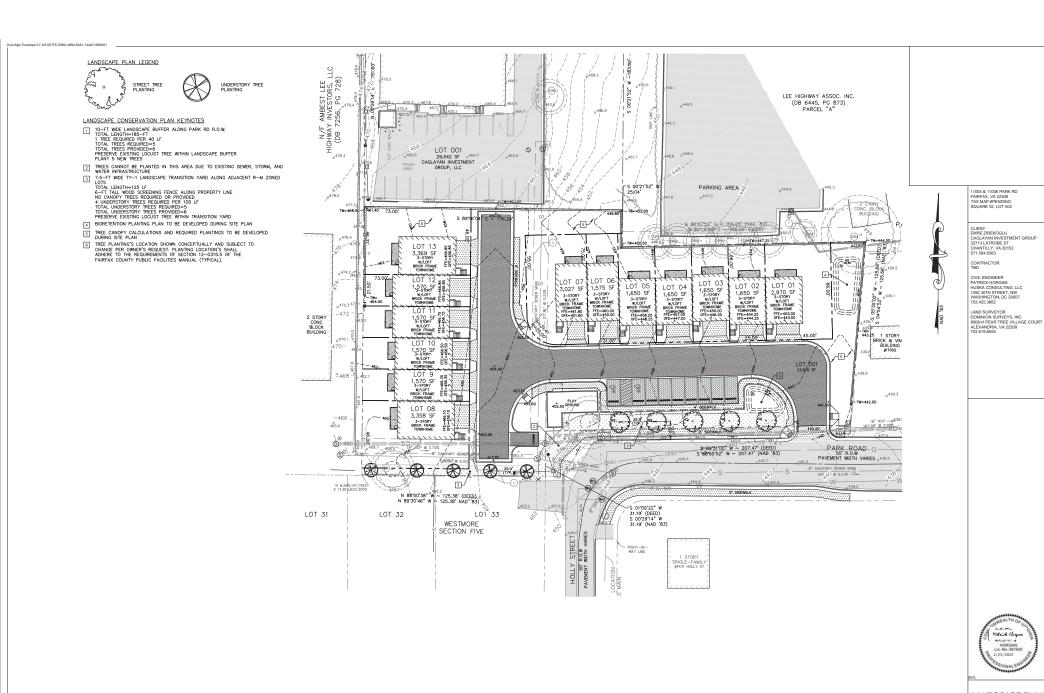
EXISTING CONDITIONS PLAN NOTES

- THIS EXISTING CONDITIONS PLAN IS BASED ON A SURVEY AND AUTOCAD FILES PERFORMED AND PROVIDED BY DOMINION ENGINEERS, INC...
- THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND, WHERE INFORMATION IS NOT AVAILABLE, ASSUMPTIONS, CONTRACTOR SHALL LOCATE AND COORFIEM ALL UTILITIES WITHIN THE BOUNDS OF CONSTRUCTION PRIOR TO UNDERTAKING ANY DEMOLITION OR EXCAVATION.



TREE SURVEY





APPROVAL

DATE

MM/DD/YYYY

COMMENT MM/DD/YYYY COMMENT



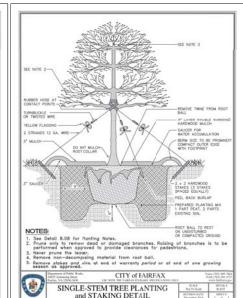
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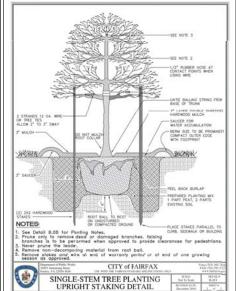


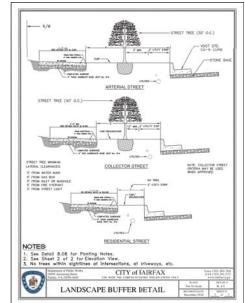
REZONING PLANS

LANDSCAPE PLAN

ROOT CROWN LEVEL WITH OR JUST ABOVE FINISH GRADE FERTILIZER TABLET PLANT ROOTS TO BE STRAIGHT & UNDAMAGED BY INSTALLATIO 6" TOPSOL (OR WETLAND MUCK WHERE APPLICABLE)



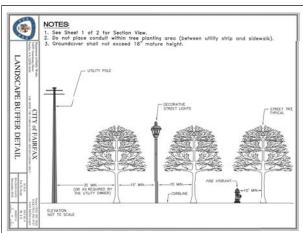




SECTION A-A

PLUG PLANTING DETAIL

CITY of FAIRFAX



ш	 Landscape Specifications: Landscape specifications below. Any item or procedure not mentioned below the Landscape specification guidelines published by 	shall be as spec	ifled in
	Association (latest edition). 2. Plant Materials: The Landscape Costractor shall furtilly builting, and transplant plant material call that and for listed in the plant schedule. The City revipilant material at the nursery source, before of -local when in storage or prior to installation.	led for on the dr es the right to in	awings spect
	3. Plant Names: Plant names used in the plant sched	tule shall be iden	tified in
	accordance with tertus Third, by L.H. Balley, 1176, Plant Standards: Plant materials shall be equal to requirements of he "American Standard for Nursey lotest edition), as published by the American Associ (hereinafter referred to as ANN standards). Plints species and variey, shall have a normal habit of quality, sound, vigorous, well branched, and with her habit has the property of the property	r Stock" (ANSI Z6 ation of Nurserym shall be typical o prowth, and shall raithy, well—furnisi	0.1 on if their be first hed root
	(A) Plants shall be nursery grown and shall have be same climatic conditions as the location of the least two years before planting. Neither heled- cold storage vill be accepted.	subject project to	r at
	(B) Collected plants or transplanted trees when spec architect may be used, provided that locations a permit proper balling. Materials for Planting:		
	(A) Stakes for gwing trees shall be sound oak or Three stakes spread 120-degrees apart shall be Notch stakes for wire. See details. Trees iscate curb shall have two stakes.	used when detailed between sidewo	led. Ik and
	(8) Tree Guys: Provide wire ites and guys of :-str galvanized stell wire not lighter than 12-gruge turnbundles. Provide w-phy garden hase at les size, cut to leights to protect tree trunks from 14-gauge with for trees less than 12-41. highly twisted when a turnbuckle is not specified by the Use of tree its in Eleu of wire is acceptable.	with zinc coated in then 0.5-lack damage by wires . Wire for guy m	Provide
	(C) Mulching: Much shall consist of double shedder. (Planning Schedule A professional horticulturist/nurs consulted to determine the proper time, based an p conditions, to more and install plant materials to mplant. Planning of declauous material may be sonil months provided here is no frost on the ground a milatures are user.	seryman shall be plant species and ninimize stress to inued during the	weather the winter
	Disputement of Politic Works SMS Assessing State (10) Assessing State (1		Nor (700); 300-79 UK (700); 991-87
		WAL	DETAR #
8	PLANTING NOTES	Not To Sollin	8.06



11004 & 11006 PARK RD FAIRFAX, VA 22306 TAX MAP #PENDING SQUARE 02, LOT 002

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CLIENT EMRE ZIREKOGLU CAGLAYAN INVESTMENT GROUP 32713 LATROBE ST CHANTILLY, VA 20152 571.594.6383

LANDSCAPE

DATE APPROVAL REVISIONS COMMENT MM/DD/YYYY COMMENT MM/DD/YYYY COMMENT

I. General



DETAILS REZONING PLANS