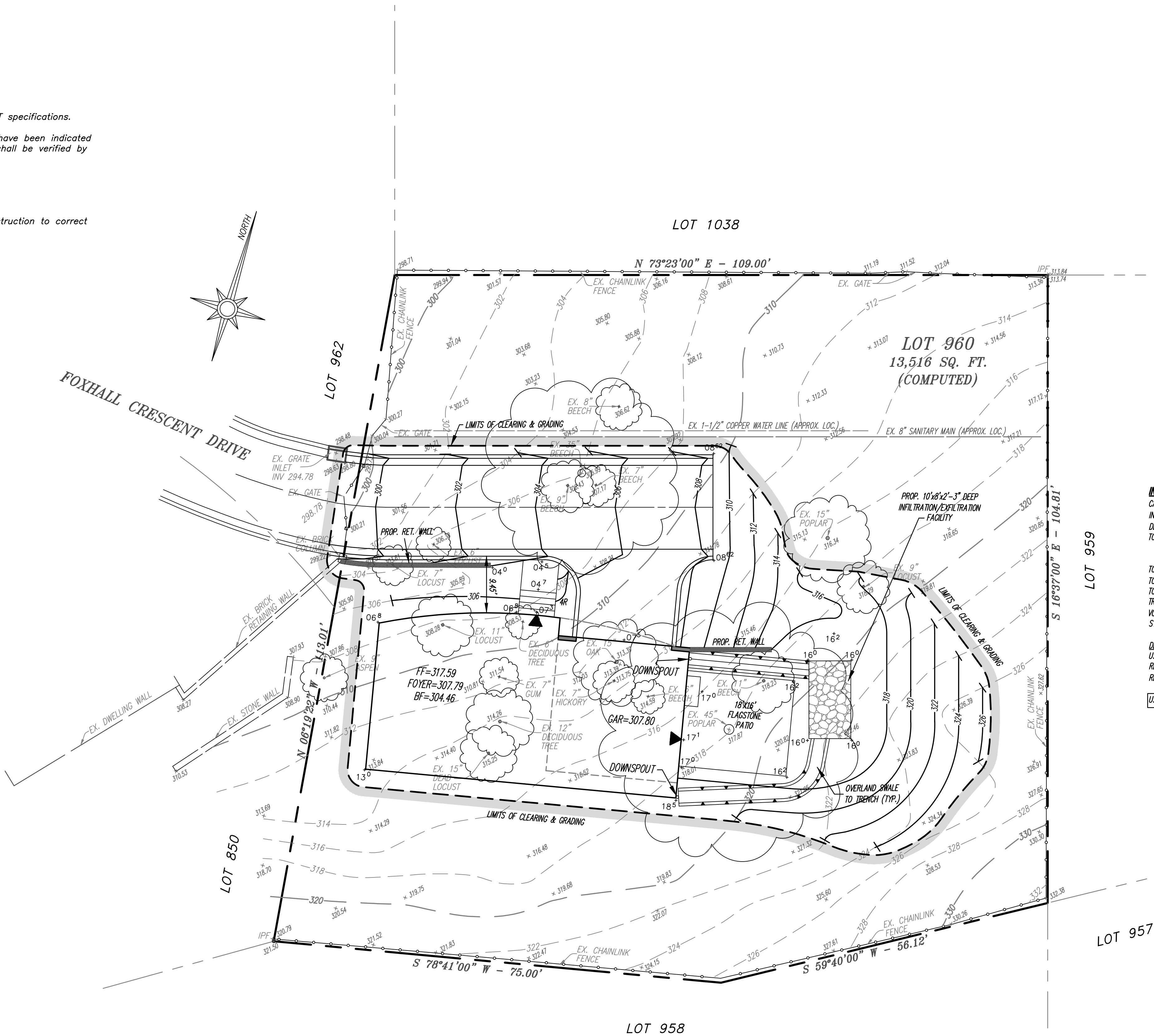


NOTES:

- Owner: Amir Motlagh
201 Berry Street, SE
Vienna, VA 22180
- Property Address: 4509 Foxhall Crescent
Washington, DC 20007
- Property Location: Lot #960, Square #1397
- Developer: Jacobsen Builders
40862 Robinson Circle
Leesburg, VA 20175
- All construction shall conform to DDOE and/or DDOT specifications.
- Only those utilities visible from the ground surface have been indicated on these plans. The location and depth of utilities shall be verified by contractor.
- This property is served by public water and sewer.
- No title report furnished.
- Recommendation for materials and methods of construction to correct existing soil conditions is not a part of this plan.
- F.E.M.A./F.I.R.M. DATA
MAP ITEM ID.: 1100010012C
FLOOD ZONE: X
EFFECTIVE DATE: 09/27/2010



INFILTRATION TRENCH DESIGN

CAPTURED RUNOFF: 1.0 in/hrp ac.
INFILTRATION RATE: 11.7 in/hr (SEE REPORT)
DESIGN RATE: 5.85 in/hr (SEE REPORT)
TOTAL IMPERVIOUS AREA CONTROLLED: ROOF LINE: 1,404 SQ. FT.
PATIO: 288 SQ. FT.
TOTAL CONTROLLED AREA: 1,692 SQ. FT. (TRENCH DESIGN FOR IMPERVIOUS AREA ONLY)
TOTAL RAINFALL VOLUME: 1.0 in/hrp ac. = 0.0833 ft.
TOTAL VOLUME IN: 1,692 SQ. FT. x 0.0833 FT = 141 C.F.
TRENCH SURFACE AREA: 10 ft x 8 ft = 80 SQ. FT.
VOLUME OUT: 5.85 in/hr x 2 hrs x 1'1/2" x 80 sq-ft = 78 C.F.
STORAGE VOLUME REQUIRED: 141-78 = 63 C.F.

DETERMINE REQUIRED TRENCH VOLUME/SIZE:
USING #57 STONE @ 35% VOID RATIO
REQUIRED TRENCH VOLUME: 63 C.F. x 2.86 = 180.2 C.F.
REQUIRED TRENCH DEPTH: 180.2 C.F. / 80 SQ. FT. = 2.25 FT.

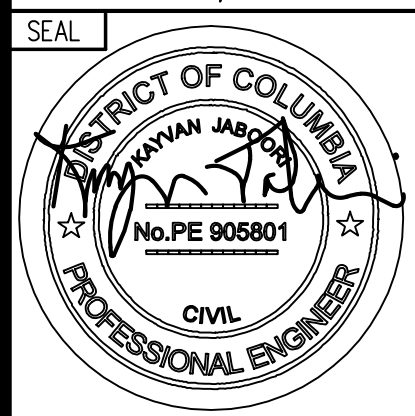
USE A 10' LONG, 8' WIDE, 2'-3" DEEP INFILTRATION TRENCH

NO.	DESCRIPTION	BY	APPROVED	DATE
1				

SURVEY	JARRETT SURVEYS, INC.
DESIGN	KJ
DRAWN	KJ
CHECKED	KJ

KJ & ASSOCIATES
CIVIL AND LAND DEVELOPMENT ENGINEERING
10650 MAIN STREET, SUITE 302
FAIRFAX, VA 22030-3814
www.kjandassociatesengineering.com

DATE	NOVEMBER 2014
SCALE	HORZ: 1"=10' VERT: N/A



SITE AND GRADING PLAN
PROJECT
4509 FOXHALL CRESCENTS DRIVE, N.W.
WASHINGTON, D.C. 20007
LOT 960, SQUARE 1397

JOB	2013-005
-----	----------

CADD	
------	--

SHEET	1 OF 5
-------	--------