

MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED. 48 HOURS AFTER CALLING MISS UTILITY, THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

ALL DISTURBED AREAS MUST BE TOPSOILED FOR THE MONTGOMERY COUNTY STANDARDS AND SPECIFICATIONS FOR TOPSOIL, PRIOR TO FINAL VEGETATIVE STABILIZATION.

NOTE:

1. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THEY ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY. ALL UTILITY LOCATIONS MUST BE FIELD LOCATED.

SEQUENCE OF CONSTRUCTION:

1. INSTALL SEDIMENT CONTROL AND TREE PROTECTION MEASURES FOR CONSTRUCTION.
2. CONSTRUCT PROPOSED CELL TOWER PADS, STORMWATER MANAGEMENT FACILITIES, AND DRIVEWAY.



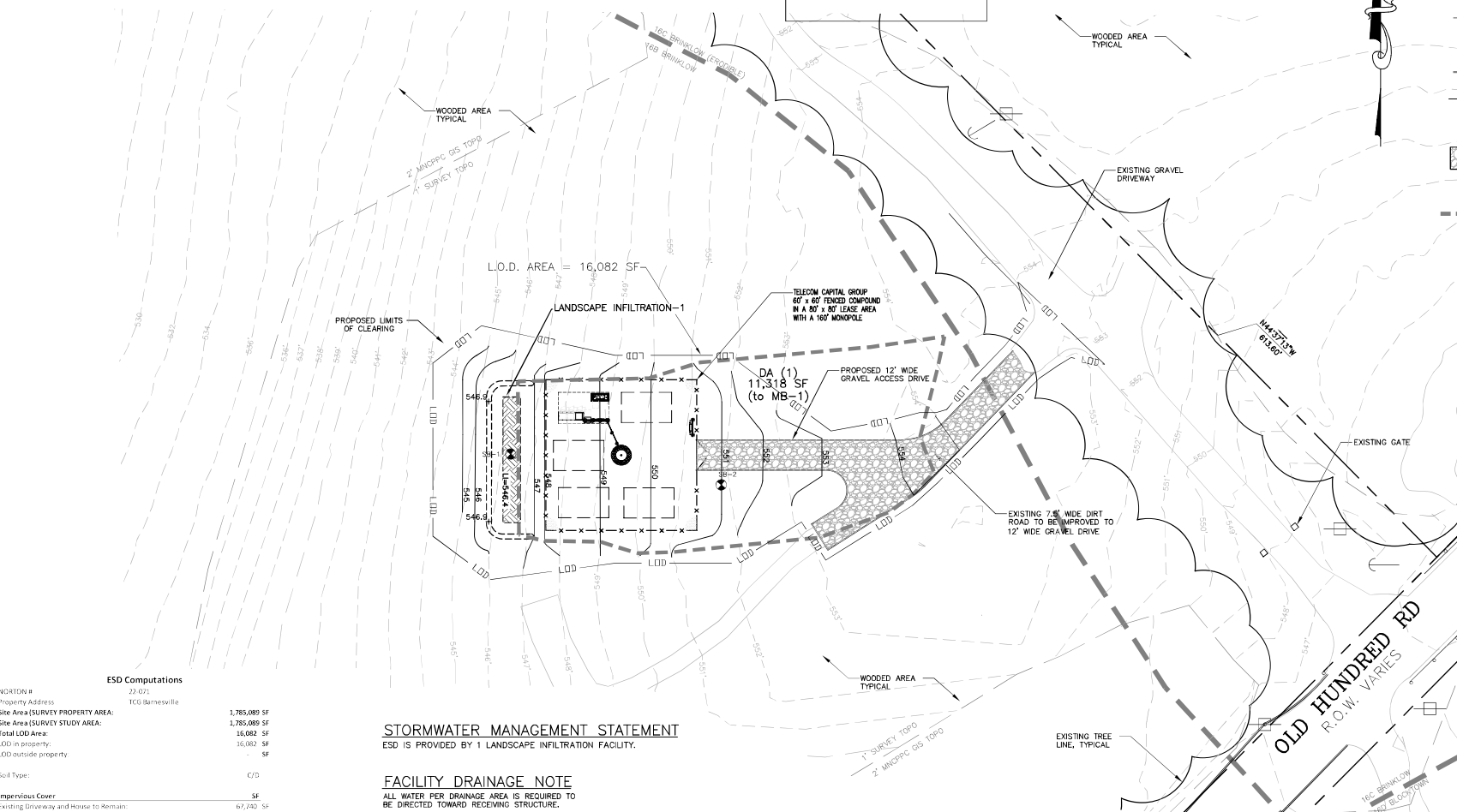
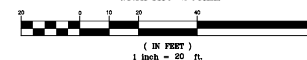
LEGEND

- EXISTING PROPERTY BOUNDARY
- - - ADJACENT PROPERTY BOUNDARY
- - - EX. CONTOUR LINE
- - - PROPOSED CONTOUR LINE
- LOD --- PROPOSED LIMITS OF DISTURBANCE /CONDITIONAL USE AREA
- 9B --- HYDROLOGIC SOIL TYPE
- SOIL TYPE BOUNDARY
- X - X - X - PROPOSED FENCE LINE - CHAIN
- [Pattern] --- PROPOSED LANDSCAPE INFILTRATION
- [Pattern] --- PROPOSED GRAVEL SURFACE
- S-1 --- INFILTRATION TESTING LOCATIONS
- FACILITY DRAINAGE AREA
- --- PROPOSED MONOPOLE



CERTIFY THAT THESE CONTRACT DOCUMENTS WERE PREPARED UNDER MY SUPERVISION OR AS APPROVED BY ME AND THAT I AM A DULY LICENSED REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 3310 EXPIRATION DATE: 9.7.2025

GRAPHIC SCALE



L.O.D. AREA = 16,082 SF

LANDSCAPE INFILTRATION-1

TELECOM CAPITAL GROUP
67' x 67' FENCED COMPOUND
IN A 90' x 87' LEASE AREA
WITH A 160' MONOPOLE

DA (1)
11,318 SF
(to MB-1)

LANDSCAPE INFILTRATION CALCULATIONS

TCG BARNESVILLE
Norton #22-071

Facility - LANDSCAPE INFILTRATION #1, D.A. = 11,318 SF

ESDv (MAX) = (2.6' * 43' * 11,318) / 12 = 1054 CF

ESDv (MIN) = (1.0' * 43' * 11,318) / 12 = 406 CF

Structure Capacity = (350*0.5) + (4' * 350' * 3.5) = 665 CF

Calculation of R_r for Landscape Infiltration

Total Drainage Area = 11318

Total Impervious = 5316

% Impervious = 5316 / 11318 * 100 = 47%

R_r = 43

R_r = 0.05 + (1.0009 * R_r) = 0.05 + (1.0009 * 43) = 43.02

STORMWATER MANAGEMENT STATEMENT

ESD IS PROVIDED BY 1 LANDSCAPE INFILTRATION FACILITY.

FACILITY DRAINAGE NOTE

ALL WATER PER DRAINAGE AREA IS REQUIRED TO BE DIRECTED TOWARD RECEIVING STRUCTURE.

DRAINAGE AREA ANALYSIS

D.A. NUMBER	DRAINAGE AREA (SF)	IMPERVIOUS %	MAX VOLUME PE=2.0'	MIN VOLUME PE=1.0'	TREATMENT STRUCTURE	STRUCTURE LABEL	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (FT)	DEPTH MEDIA (FT)	STRUCTURE CAP. (CF)	ESDv TREATED (CF)				
1	11,318	43	1,054	406	LANDSCAPE INFILTRATION	1		350	0.5	3.5		665	665				
<table border="1"> <tr> <td>ESD TREATED</td> <td>665</td> </tr> <tr> <td>PER REQUIRED < 1.0'</td> <td>ESD REQUIRED</td> <td>523</td> </tr> </table>													ESD TREATED	665	PER REQUIRED < 1.0'	ESD REQUIRED	523
ESD TREATED	665																
PER REQUIRED < 1.0'	ESD REQUIRED	523															

ESD Computations

NORTON # 22-071
Property Address TCG Barnesville

Site Area (SURVEY PROPERTY AREA) 1,785,089 SF
Site Area (SURVEY STUDY AREA) 1,785,089 SF
Total LOD Area 16,082 SF
LOD in property 16,082 SF
LOD outside property - SF

Soil Type: C/D

Impervious Cover SF

Existing Driveway and House to Remain: 67,740 SF

Proposed:

Gravel pad and driveway 6,063 SF
SF
SF
SF

Driveway entrance outside property
Total Proposed 6,063 SF

6,063 SF
Total Impervious Proposed Project
73,803 SF
Total Impervious in Property

Impervious % for P_e 4.1 = (73,803 / 1,785,089)

Impervious % for R_v 37.7 = (16,063 / 42,600)

RCN for Woods 77

PE 1 in

R_v 0.389 (0.05 + 0.009 * 37.7)

ESDv REQUIRED 522 CF = (1.0 * 0.389 * 16,082) / 12