MONTGOMERY COUNTY DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

MONTGOMERY COUNTY MARYLAND

INDEX OF SHEETS

* MCDPS SC/SWM SHEETS

MCDPS SC/SWM INDEX OF SHEETS

REVISIONS

NOTE:
See Index of Sheets for List of Revised Sheet Numbers

⚠1 January 8, 2020
⚠2 January 30, 2020
Sheet 23, LT-02
Sheet 29, LT-10
Sheet 34, PS-01

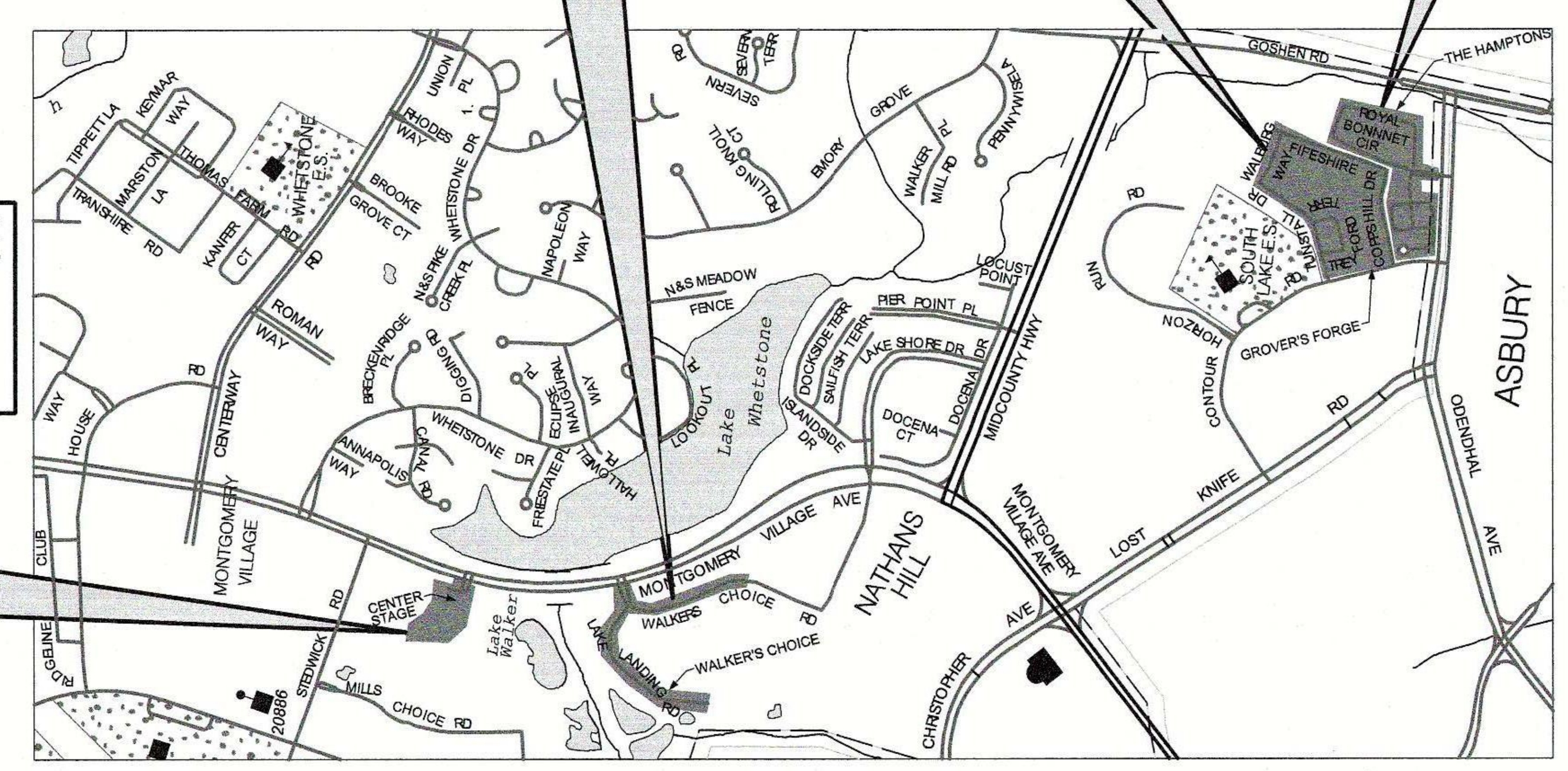
RIGHT OF WAY LIMITS ARE APPROXIMATE WITH EXCEPTION OF SURVEYED STORMWATER MANAGEMENT EASEMENT

GROVER'S FORGE PROJECT SITE

THE HAMPTONS PROJECT SITE

WALKER'S CHOICE PROJECT SITE

CENTER STAGE PROJECT SITE



VICINITY MAP

0 1000 2000 FEET

MARYLAND GRID NAD 83/91

RELATED REQUIRED PERMITS

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for **all** projects.

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT

TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain District		X			
WATERWAYS/WETLAND(S):		X			
a. Corps of Engineers		X			
b. MDE		X			
c. MDE Water Quality Certification		X			
MDE Dam Safety		X			
DNR Roadside Tree Care Permit		X		Approval Date	
DPS Roadside Tree Protection Plan		X		Approval Date	
N.P.D.E.S. NOTICE OF INTENT		X			DATE FILED
OTHERS (Please List):		X			

JUNE 2014

⚠1

TREE CANOPY REQUIREMENTS TABLE

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for all projects.

Exempt: Yes ☐ No ☒ If exempt under Section 55-5 of the Code, please check the applicable exemption category below.

Total Property Area	Total Disturbed Area
62,291 square feet	11,761 square feet
Shade Trees Required	**Shade Trees Proposed to be Planted**
9	
Fee in Lieu (Trees Required – Trees Planted) x $250	$ 2,250

Required Number of Shade Trees

Area (sq. ft.) of the Limits of Disturbance FROM	TO	Number of Shade Trees Required
1	6,000	3
6,001	8,000	6
8,001	12,000	9
12,001	14,000	12
14,001	40,000	15

If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula:

(Number of Square Feet in Limits of Disturbance ÷ 40,000) x 15

EXEMPTION CATEGORIES:

☐ 55-5(a) any activity that is subject to Article II of Chapter 22A;
☐ 55-5(b) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A;
☐ 55-5(f) any activity conducted by the County Parks Department;
☐ 55-5(g) routine or emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits;
☐ 55-5(h) any stream restoration project if the person performing the work has obtained all necessary permits;
☐ 55-5(i) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams;
☐ OTHER: Specify per Section 55-5 of the Code.

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM, AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION "STORM DRAIN CRITERIA" DATED AUGUST 1988.

KEVIN SCHIEFER, PE
MD REGISTRATION NO. 43192

12/9/19
DATE

OWNER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL CLEARING, GRADING, AND /OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEGINNING THE PROJECT.

Rogers D. Stanley
ROGERS D. STANLEY, RLA
CHIEF, NEIGHBORHOOD REVITALIZATION SECTION

12/09/19
DATE

CERTIFICATION OF THE QUANTITIES

I HEREBY CERTIFY THAT THE ESTIMATED TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE 122 CUBIC YARDS OF EXCAVATION, 113 CUBIC YARDS OF FILL, AND THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 11,761 SQUARE FEET OR 0.27 ACRES

DOUGLAS H. SIMMONS, PE
MD REGISTRATION NO. 17673

12/05/19
DATE

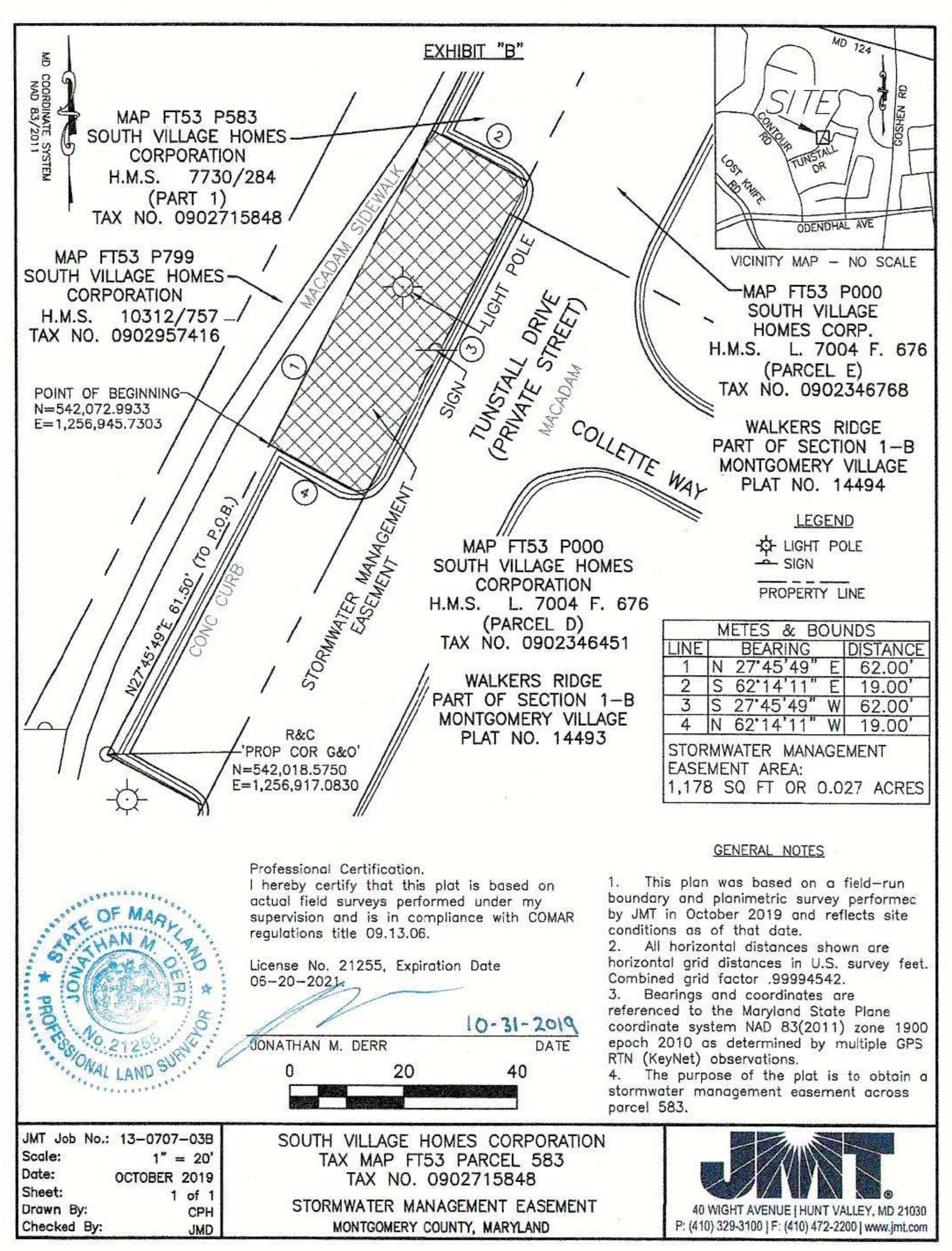


Exhibit "A"

DESCRIPTION OF A STORMWATER MANAGEMENT EASEMENT
Part of
Parcel 853 – Tax Map FT53 Grid 0000
Property of
South Village Homes Corporation
9th Election District
Tax Acct. No. 0902715848
Montgomery County, Maryland

BEING A PART of the property as described as "Part One" in a Deed from Kettler Brothers, Inc. to South Village Homes Corporation, recorded June 2nd, 1987 among the Land Records of Montgomery County, Maryland in H.M.S. Liber 7730 Folio 284.

ALSO BEING SHOWN on a Montgomery County, Maryland Plat as Exhibit "B", prepared by Johnson Mirmiran & Thompson attached hereto and immediately following this description.

ALSO BEING A PART of a parcel of land situate, lying and being in the 9th Election District, Montgomery County, Maryland and being more particularly described by courses and distances, as now surveyed, based on the Maryland State Plane Coordinate System, North American Datum 83/2011, that is to say:

BEGINNING FOR THE SAME at a point which has a Maryland State Plane Coordinate of North 542,072.9933, East 1,256,945.7303, said point also being located North 27°45'49" East 61.50 feet from a rebar and cap marked "PROP COR G&O", having a Maryland State Plane Coordinate of North 542,018.5750, East 1,256,917.0830, found at the beginning of the 2nd or North 27°45'58" East, 197.00 foot line of "Part One" as described in the aforementioned deed H.M.S. Liber 7730 Folio 284, thence binding on a portion of the aforementioned 2nd line,

(1) **North 27°45'49" East, 62.00 feet,** thence leaving the aforementioned 2nd line and running across and through the lands of the grantor the following course and distance as now surveyed, viz;

(2) **South 62°14'11" East, 19.00 feet,** to intersect the 4th or South 27°45'58" West, 197.00 foot line of "Part One" as described in the aforementioned deed H.M.S. Liber 7730 Folio 284, said line also being the westerly side of Tunstall Drive, (Private Street), as shown on subdivision plats entitled "Walkers Ridge, Part of Section 1-B of Montgomery Village" recorded October 4th, 1983 among the Land Records of Montgomery County, Maryland as Plats 14493 & 14494, thence binding on a portion of the aforementioned 4th line, and a portion of the westerly side of Tunstall Drive, (Private Street),

(3) **South 27°45'49" West, 62.00 feet,** thence leaving the aforementioned 4th line and westerly side of Tunstall Drive, (Private Street), and running across and through the lands of the grantor the following course and distance as now surveyed, viz;

(4) **North 62°14'11" West, 19.00 feet,** to the Point of Beginning.

Containing 1,178 sq. ft. or 0.027 acres of land, more or less.

The above description and surveying work associated with its preparation has been prepared under my responsible charge and is in compliance with COMAR Regulations Title 09.13.06.08. My License expires on June 20th, 2021.

Jonathan M. Derr, Professional Land Surveyor
Maryland License No. 21255

10-31-2019

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

12/09/19
DOUGLAS H. SIMMONS, PE

Douglas H. Simmons, PE
Digitally signed by Douglas H. Simmons, PE
Date: 2019.12.09 15:31:28 -05'00'

TECHNICAL REVIEW OF SEDIMENT CONTROL	ADMINISTRATIVE REVIEW
Thomas Weadon 1/10/20	Thomas Weadon 1/10/20
REVIEWED DATE	REVIEWED DATE
TECHNICAL REVIEW OF STORMWATER MANAGEMENT	**SMALL LOT DRAINAGE APPROVAL**
Thomas Weadon 1/10/20	N/A: ☒ OR
REVIEWED DATE	REVIEWED DATE
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED	NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property withou that property owner's permission. It does not relieve the design engineer or other responsble person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties

285298
SEDIMENT CONTROL PERMIT NO.

284408
SM. FILE NO.
STORMWATER MANAGEMENT

Landscape Infiltration/ Full ESD

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

TITLE SHEET

SCALE NTS ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT 284408
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **GN - 01** OF **03** SHEET NO. 1 OF 46

BY: Stratmeyer –

PLOTTED: Tuesday, November 12, 2019 AT 03:25 PM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pTS_title.dgn

ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
AHD	AHEAD
BC	BACK OF CURB
BEG.	BEGIN
BG&E	BALTIMORE GAS & ELECTRIC
BK	BACK
℄	BASELINE
BIT.	BITUMINOUS
BLDG.	BUILDING
B.M.	BENCHMARK
B.P.C	BROWN POLYESTER COATED
C	CUT
C.A.T.V.	CABLE T.V.
C.C.	CENTER TO CENTER
CEN.	CENTER
C&G	CURB AND GUTTER
℄	CENTERLINE
CL	CLASS
C.M.P./CMP	CORRUGATED METAL PIPE
C.M.P.A.	CORRUGATED METAL PIPE ARCH
C&P	CHESAPEAKE AND POTOMAC TELEPHONE
COG	CONCRETE GRATE
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONTR.	CONTRACT
CORR.	CORRECTION
C.P.	CONCRETE PIPE
C.T.B.	CONCRETE TRAFFIC BARRIER
D	DEGREE OF CURVE
D.H.V.	DESIGN HOURLY VOLUME
D.I.	DRAINAGE INLET
DIR	DIRECTION
DW	DRIVEWAY
DWG.	DRAWING
DWS	DETECTABLE WARNING SURFACE
E&S	EROSION AND SEDIMENT
ELECT.	UNDERGROUND ELECTRIC LINE
E.B.	EASTBOUND ROADWAY
EL./ELEV.	ELEVATION
E.T.	ELECTRIC TRANSFORMER
E.M.	ELECTRIC MANHOLE
EX./EXIST.	EXISTING
F	FILL
F.B.	FIELD BOOK
F.H./HYD.	FIRE HYDRANT
F.O.	FIBER OPTIC
G	GAS LINE
GA	GAUGE OR GAGE
G&E	GAS AND ELECTRIC
GM	GAS METER
GR	GROUND
HBX	HAND BOX
H.D.W.L.	HEADWALL
H.E.R.C.P.	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HH	HANDHOLE
HMA	HOT MIX ASPHALT
H.P.	HIGH POINT
INV.	INVERT
I.B.	INFILTRATION BASIN
I.P.	INLET PROTECTION
I.S.T.	INLET SEDIMENT TRAP
J.B.	JUNCTION BOX
JMT	JOHNSON MIRMIRAN AND THOMPSON
KV	KILOVOLT
L.F., LF	LINEAR FEET
LOD/L.O.D.	LIMIT OF DISTURBANCE
L.P./LP	LOW POINT
LT.	LEFT
LTG.	LIGHTING
MAC	MACADAM
MAINT.	MAINTENANCE
MAX.	MAXIMUM
MDE	MARYLAND DEPARTMENT OF THE ENVIRONMENT
M.H./MH	MANHOLE
MIN.	MINIMUM
MRKG	MARKING
M.S.H.A./SHA	MARYLAND STATE HIGHWAY ADMINISTRATION
N.A./N/A	NOT AVAILBLE, NOT APPLICABLE
N.B.	NORTHBOUND ROADWAY
NO.	NUMBER
PAVT.	PAVEMENT
P.C.	POINT OF CURVE
P.C.C.	POINT OF COMPOUND CURVE
P.I./PI	POINT OF INTERSECTION
P.LOT	PARKING LOT
POB	POINT OF BEGINNING
P.O.C.	POINT ON CURVE
POE	POINT OF END
P.O.T.	POINT ON TANGENT
P.O.V.T.	POINT ON VERTICAL CURVE
P./G.L.	PROFILE GROUND LINE
P.G.L.	PROFILE GRADE LINE
P./G.E.	PROFILE GROUND ELEVATION
P.G.E.	PROFILE GRADE ELEVATION
P/R	POINT OF ROTATION
P/C	POINT OF CROWN
P.R.C.	POINT OF REVERSE CURVATURE
PROP.	PROPOSED
P.T., PT	POINT OF TANGENT
P.U.E.	PUBLIC UTILITY EASEMENT
P.V.C.	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVE
P.V.C.C.	POINT OF VERTICAL COMPOUND CURVE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.R.C.	POINT OF VERTICAL REVERSE CURVATURE
P.V.T.	POINT OF VERTICAL TANGENCE
R	RADIUS
R/W,R-O-W,ROW	RIGHT-OF-WAY
R.C.	REMOVE CROWN
R.C.C.P.	REINFORCED CIRCULAR CONCRETE PIPE
R.C.P.	REINFORCED CONCRETE PIPE
RSC	RIGID STEEL CONDUIT
RT.	RIGHT
SAN.	SEWER/SANITARY LINE
S.B.	SOUTHBOUND ROADWAY
S.D.	STORM DRAIN
S.D.D.	SURFACE DRAIN DITCH
SDMH	STORM DRAIN MANHOLE
SDWK	SIDEWALK
℄	SURVEY LINE
S.E., S/E	SUPERELEVATION
SHLD.	SHOULDER
SHT.	SHEET
S&M	SEED AND MULCH
SS	SEWER STRUCTURE
S.S.M.	SOIL STABILIZATION MATTING
S.S.M.H.	SANITARY SEWER MANHOLE
STA.	STATION
STD.	STANDARD
S.W.M.A.	STORMWATER MANAGEMENT AREA
TB	TOP OF BERM
TEL.	UNDERGROUND TELECOMMUNICATION LINE
T.C./TC	TOP OF CURB, TOP OF COVER
T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
T.C.P.	TERRA COTTA PIPE
TEMP.	TEMPORARY
T.G.	TOP OF GRATE
TOE	TOP OF ELEVATION
T.R.	TOP OF RIM
TRANS.	TRANSFORMER, TRANSITION
TRAV	TRAVERSE
TRB	TRAFFIC BARRIER
T.S.E.C.B.	TEMPORARY SEDIMENT AND EROSION CONTROL BASIN.
T.S.T.	TEMPORARY SEDIMENT TRAP
T.S.O.S.	TEMPORARY STONE OUTLET STRUCTURE
TTCTA	TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION
TL	TRAVERSE LINE
TYP.	TYPICAL
U.D.	UNDERDRAIN PIPE
UG	UNDERGROUND
UNK	UNKNOWN
V.C.	VERTICAL CURVE
V.C.L.	VERTICAL CURVE LENGTH
W	WATER LINE
W.B.	WESTBOUND ROADWAY
W/L	WEDGE AND/OR LEVEL
WM	WATER METER
WS	WATER SUPPLY
W.S.S.C.	WASHINGTON SANITARY SEWER COMMISSION
WV	WATER VALVE
△	DELTA ANGLE

LEGEND

EXISTING

- UTILITY POLE
- CONTOUR
- STORM DRAIN PIPE
- MANHOLE (M.H.)
- INLET
- OVERHEAD ELECTRIC (E)
- WATER MAIN (W)
- GAS MAIN (G)
- ELECTRIC LINE (E)
- SANITARY SEWER PIPE (SAN)
- ELEVATION (229.5 EW)
- ENDWALL
- TREE - EVERGREEN
- TREE - DECIDUOUS
- HEDGE LINE
- CHAIN LINK FENCE
- FARM TYPE FENCE
- WATER VALVE (W WV)
- ELECTRICAL HANDBOX (HB)
- FIRE HYDRANT (FH)
- WOODS LINE
- GUARDRAIL
- UTILITY GUIDEWIRE
- MISC TRAFFIC SIGN
- TRAFFIC LIGHT
- TRAVERSE POINT
- GRADE BREAK LINE
- FLOW LINE
- WOODEN FENCE
- LIGHT POLE
- UNDERGROUND TELEPHONE LINE
- RIGHT-OF-WAY LINE
- ROAD EDGE
- ELECTRIC METER (EM)

PROPOSED

- LIMIT OF DISTURBANCE (LOD)
- TREE - EVERGREEN
- TREE - DECIDUOUS
- PROPOSED LIGHT
- CONCRETE SIDEWALK
- FULL DEPTH PATCHING
- COMBINATION CURB & GUTTER
- 6' CHAIN LINK FENCE
- ASPHALT REMOVAL
- SIDEWALK REMOVAL
- ~~435~~ PROPOSED CONTOURS
- PROPOSED TYPE III BARRICADE

JMT

BY: Stratmeyer

PLOTTED: Wednesday, May 22, 2019 AT 08:18 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mLG_MontgomeryVillage001.dgn

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

ABBREVIATIONS AND SYMBOLS

SCALE NTS ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY MTF
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **GN - 02** OF **03**

SHEET NO. 2 OF 46

CENTER STAGE (LT–01 AND LT–02)
AND
WALKER'S CHOICE (LT–08 TO LT–10) COMMUNITIES

GROVER'S FORGE (LT–03 AND LT–04)
AND
THE HAMPTONS (LT–06 AND LT–07) COMMUNITIES

JMT

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6/25/19
DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

KEY SHEET

SCALE 200 SCALE ADVERTISED DATE N /A CONTRACT NO.

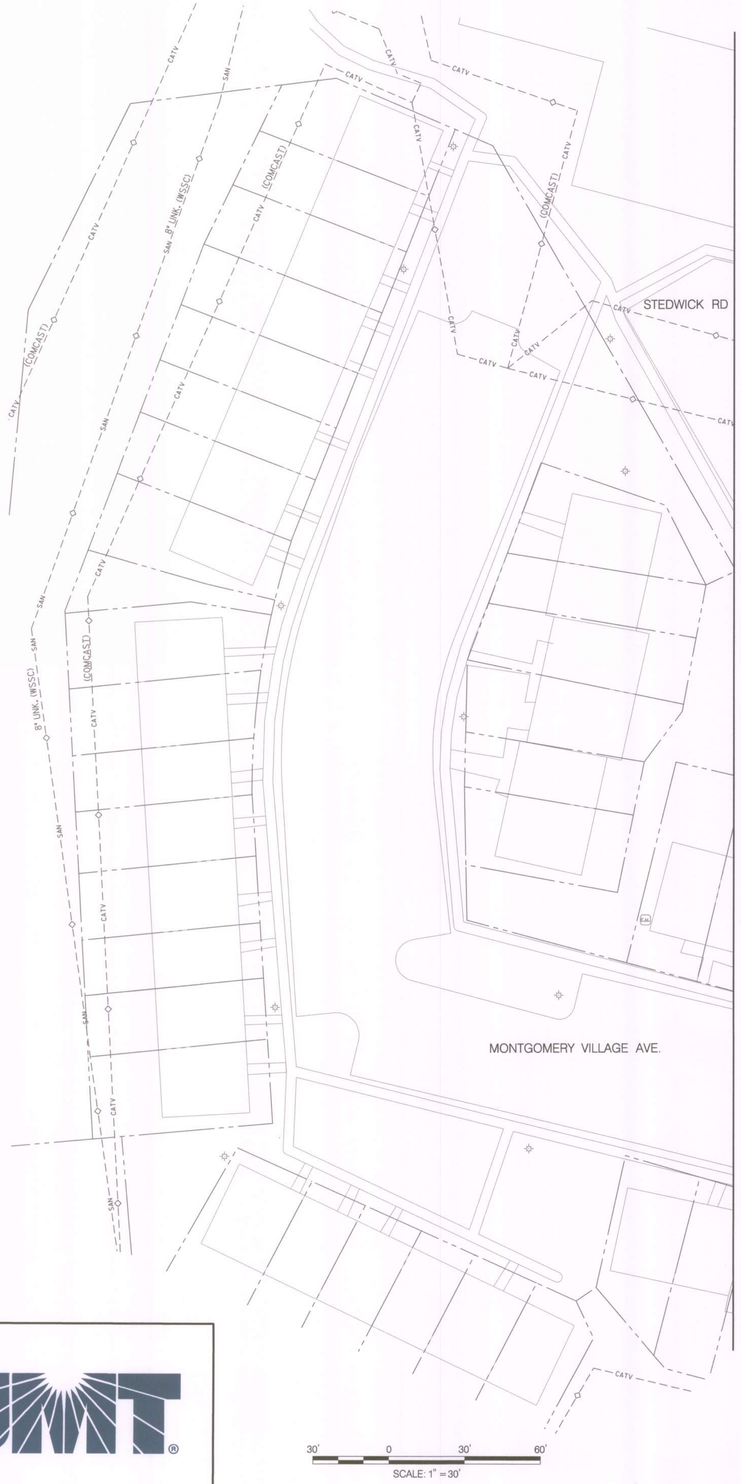
DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. GN - 03 OF 03 SHEET NO. 3 OF 46

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 09:07 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pGN-03_KeySheet.dgn



MATCH LINE – SEE SHEET EC-02

N

JMT

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

6/25/19

DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - CENTER STAGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

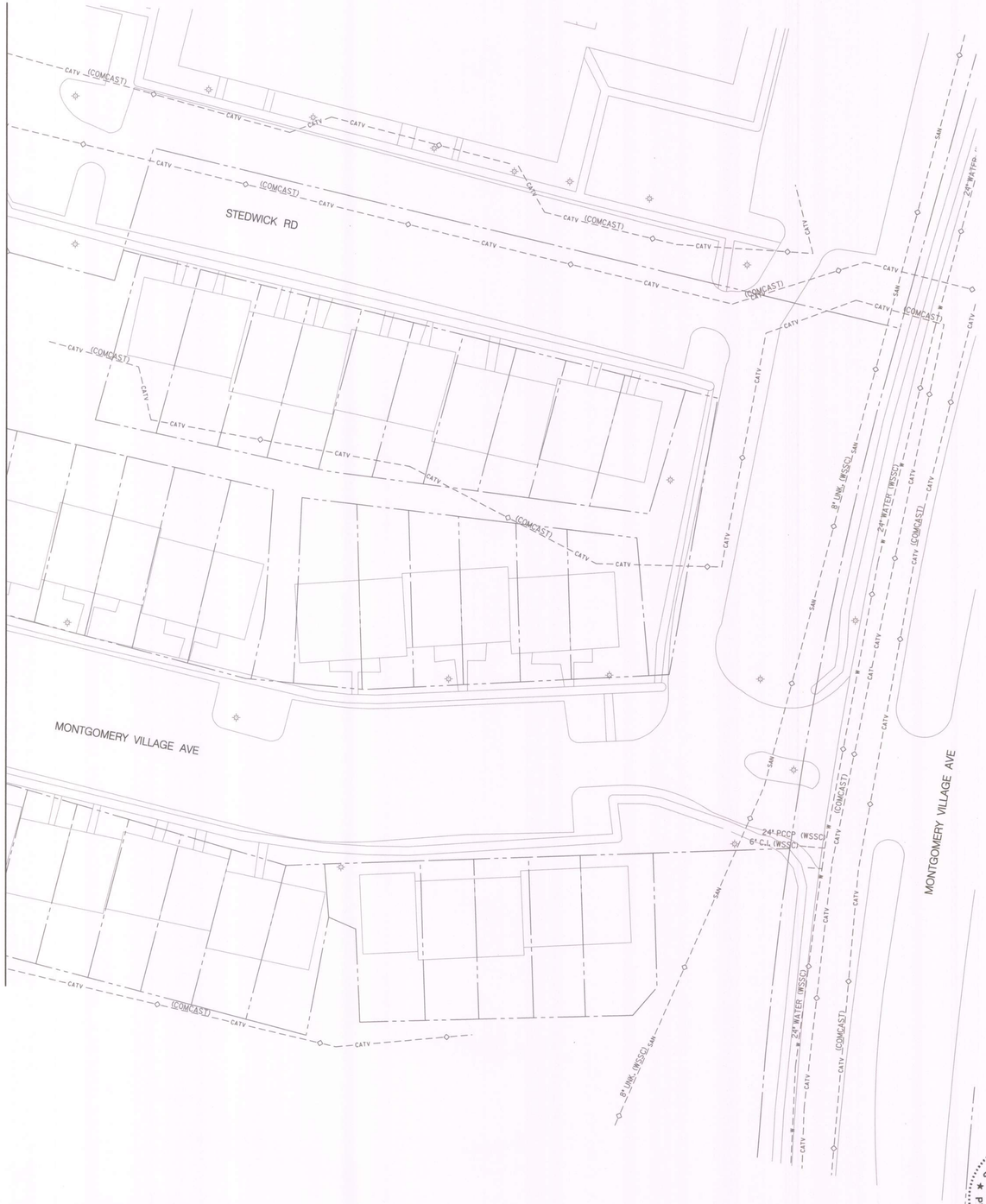
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. EC - 01 OF 09

SHEET NO. 4 OF 46

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:19 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pEC-MontVillage.dgn



N

30' 0 30' 60'
SCALE: 1" = 30'

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:20 AM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pEC-MontVillage.dgn

STATE OF MARYLAND
DOUGLAS HOWARD SIMMONS
No. 17673
PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

4/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - CENTER STAGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 02** OF **09**

SHEET NO. 5 OF 46

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND
DOUGLAS HOWARD SIMMONS
No. 17673
PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - GROVER'S FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 03** OF **09**

SHEET NO. 6 OF 46

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:20 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pEC-MontVillage.dgn

MATCH LINE - SEE SHEET EC-03

TUNSTALL DR
TUNSTALL PL
TREYFORD TERR
CONTOUR RD
KILRUSH CT
FIFESHIRE DR
COPPS HILL PL
COPPS HILL CT
COPPS HILL DR

30' 0 30' 60'
SCALE: 1"=30'

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - GROVER'S FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 04** OF **09**

SHEET NO. 7 OF 46

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:20 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pEC-MontVillage.dgn

N

30' 0 30' 60'

SCALE: 1" = 30'

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 08:47 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pEC-MontVillage.dgn

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

6/25/19

DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 05** OF **09**

SHEET NO. 8 OF 46

MATCH LINE – SEE SHEET EC-05

ROYAL BONNET CIR

ODENHAL RD

GOSHEN RD

8" D.I. (WSSC)
8" PVC (WSSC)
10" PVC (WSSC)
10" (WSSC)
10" CONC. (WSSC)
16" D.I. (WSSC)
12" STL. (WASH. GAS)
2" PLA. (WASH. GAS)
4" PLA. (WASH. GAS)
.75" PLA.
CATV (COMCAST)
(WHC)
(OHM)
(SHC)
FIRE HYDRANT

30' 0 30' 60'
SCALE: 1" = 30'

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6/25/19

DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 06** OF **09**

SHEET NO. 9 OF 46

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 08:51 AM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pEC-MontVillage.dgn

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:21 AM
FILE: Q:\2013\130707_003_Montgomery_Village_ICADD\pEC-MontVillage.dgn

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

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6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 07** OF **09**

SHEET NO. 10 OF 46

MATCH LINE – SEE SHEET EC-07

30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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6/25/19

DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. EC - 08 OF 09

SHEET NO. 11 OF 46

BY: Stratmeyer –

PLOTTED: Wednesday, May 22, 2019 AT 08:22 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pEC-MontVillage.dgn

BY: Stratmeyer –

30' 0 30' 60'
SCALE: 1"=30'

PLOTTED: Wednesday, May 22, 2019 AT 08:22 AM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pEC-MontVillage.dgn

STATE OF MARYLAND
DOUGLAS HOWARD SIMMONS
No. 17673
PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

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6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

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LIGHTING AND SITE IMPROVEMENTS PROJECT

EXISTING CONDITIONS PLAN - WALKER'S CHOICE

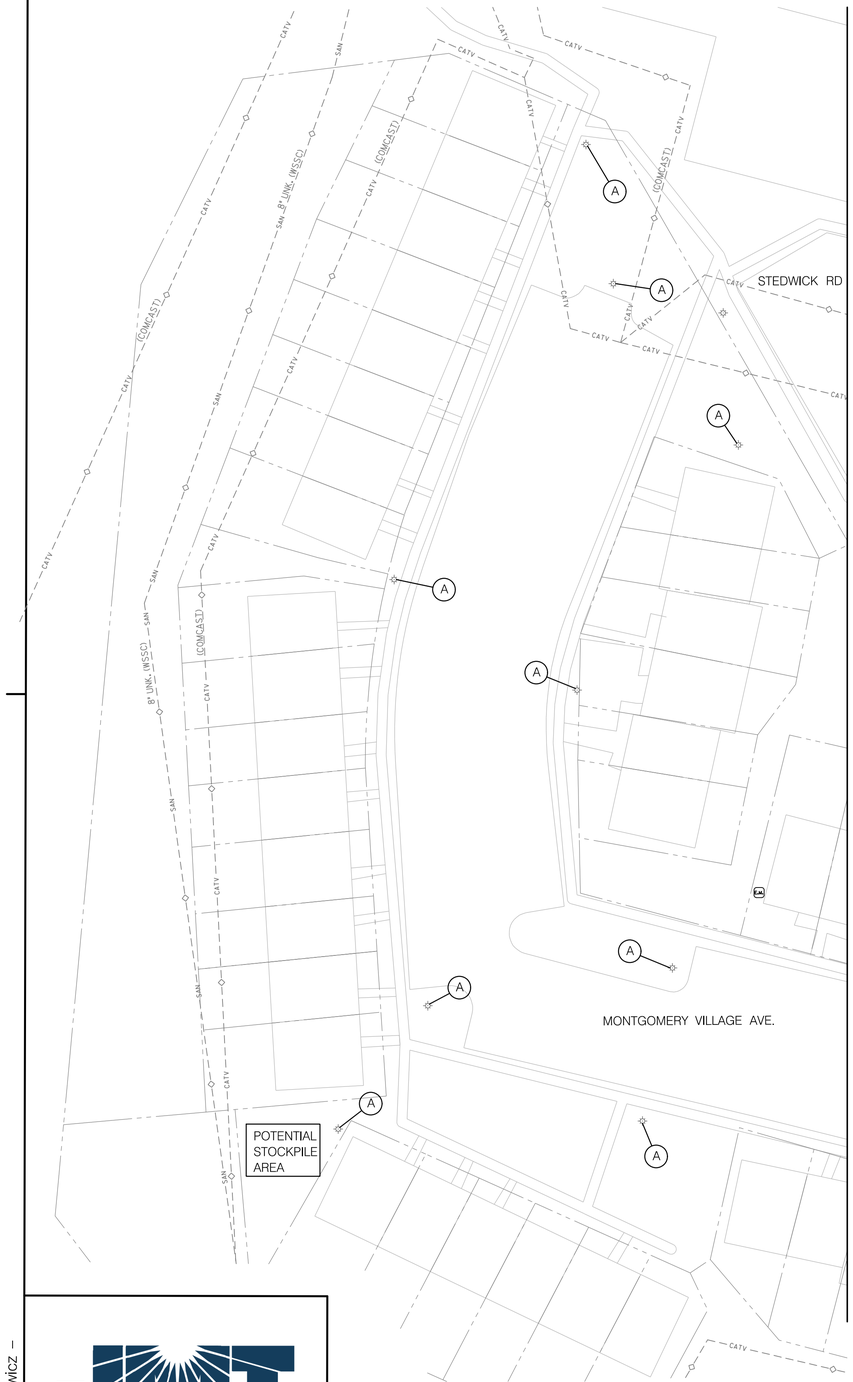
SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **EC - 09** OF **09**

SHEET NO. 12 OF 46



MATCH LINE – SEE SHEET DM-02

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE-01 AND DE-02.

PLAN NOTES

1. DISCONNECT AND REMOVE EXISTING CABLE. CAP AND ABANDON EXISTING CONDUIT.
2. EXISTING LIGHTING MUST REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND APPROVED BY THE COUNTY.
3. REPAIR OR REPLACE ANY PAVEMENT DISTURBED AS A RESULT OF LIGHTING EQUIPMENT REMOVAL AT NO ADDITIONAL COST TO THE COUNTY.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	9

N

JMT

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:33 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

STATE OF MARYLAND
GERARD ADAMS BAXTER
No. 33928
PROFESSIONAL ENGINEER
8/29/19

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - CENTER STAGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-01** OF **09**

SHEET NO. 13 OF 46

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE–01 AND DE–02.

PLAN NOTES

1. DISCONNECT AND REMOVE EXISTING CABLE, CAP AND ABANDON EXISTING CONDUIT.
2. EXISTING LIGHTING MUST REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND APPROVED BY THE COUNTY.
3. REPAIR OR REPLACE ANY PAVEMENT DISTURBED AS A RESULT OF LIGHTING EQUIPMENT REMOVAL AT NO ADDITIONAL COST TO THE COUNTY.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	9

30' 0 30' 60'
SCALE: 1" = 30'

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

STATE OF MARYLAND · GERARD ADAMS BAXTER · NO. 33928 · PROFESSIONAL ENGINEER · 8/29/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - CENTER STAGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-02** OF **09**

SHEET NO. 14 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:36 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE-01 AND DE-02.

(B) REMOVE AND DISPOSE OF EXISTING ELECTRICAL SERVICE.

(C) REMOVE AND DISPOSE OF EXISTING SIDEWALK ASPHALT. SEE ROADWAY PLAN SHEET PS-01 FOR SIDEWALK REPLACEMENT.

(D) REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK FOR ADA COMPLIANT RAMPS. SEE ROADWAY PLAN SHEET PS-01 FOR SIDEWALK REPLACEMENT.

(E) REMOVE AND DISPOSE OF EXISTING SPLIT RAIL FENCE. SEE ROADWAY PLAN SHEET PS-01 FOR FENCE REPLACEMENT

PLAN NOTES

1. DISCONNECT AND REMOVE EXISTING CABLE, CAP AND ABANDON EXISTING CONDUIT.
2. EXISTING LIGHTING MUST REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND APPROVED BY THE COUNTY.
3. REPAIR OR REPLACE ANY PAVEMENT DISTURBED AS A RESULT OF LIGHTING EQUIPMENT REMOVAL AT NO ADDITIONAL COST TO THE COUNTY.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	231
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	20
873115	REMOVE ELECTRICAL SERVICE	EA	1

30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER
8/29/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - GROVER'S FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

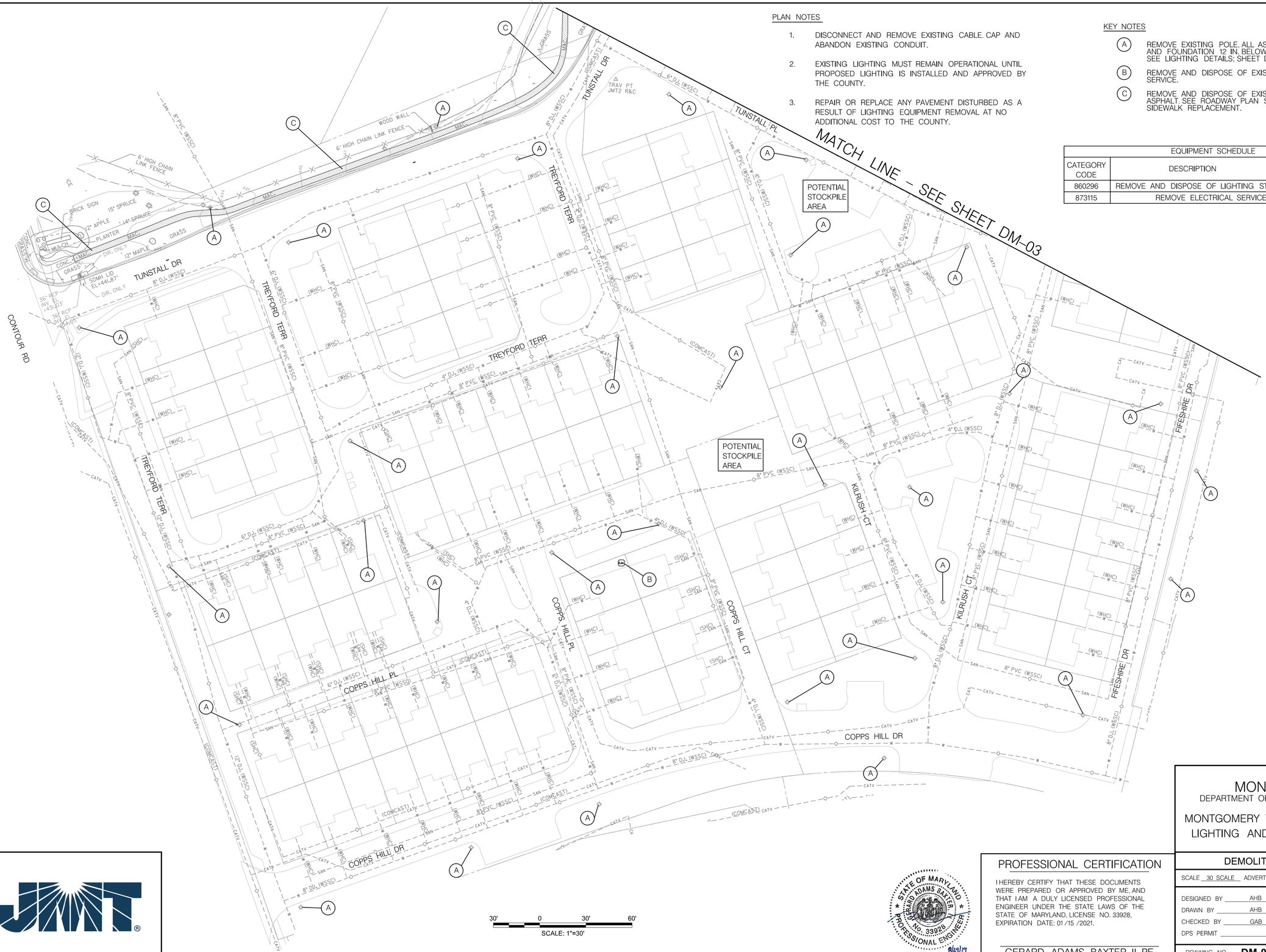
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. DM-03 OF 09

SHEET NO. 15 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:38 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn



PLAN NOTES

1. DISCONNECT AND REMOVE EXISTING CABLE. CAP AND ABANDON EXISTING CONDUIT.
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KEY NOTES

- (A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE-01 AND DE-02.
- (B) REMOVE AND DISPOSE OF EXISTING ELECTRICAL SERVICE.
- (C) REMOVE AND DISPOSE OF EXISTING SIDEWALK ASPHALT. SEE ROADWAY PLAN SHEET CP-01 FOR SIDEWALK REPLACEMENT.

N

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	32
873115	REMOVE ELECTRICAL SERVICE	EA	1

JMT

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

STATE OF MARYLAND · GERARD ADAMS BAXTER · NO. 33928 · PROFESSIONAL ENGINEER · 8/4/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - GROVER'S FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

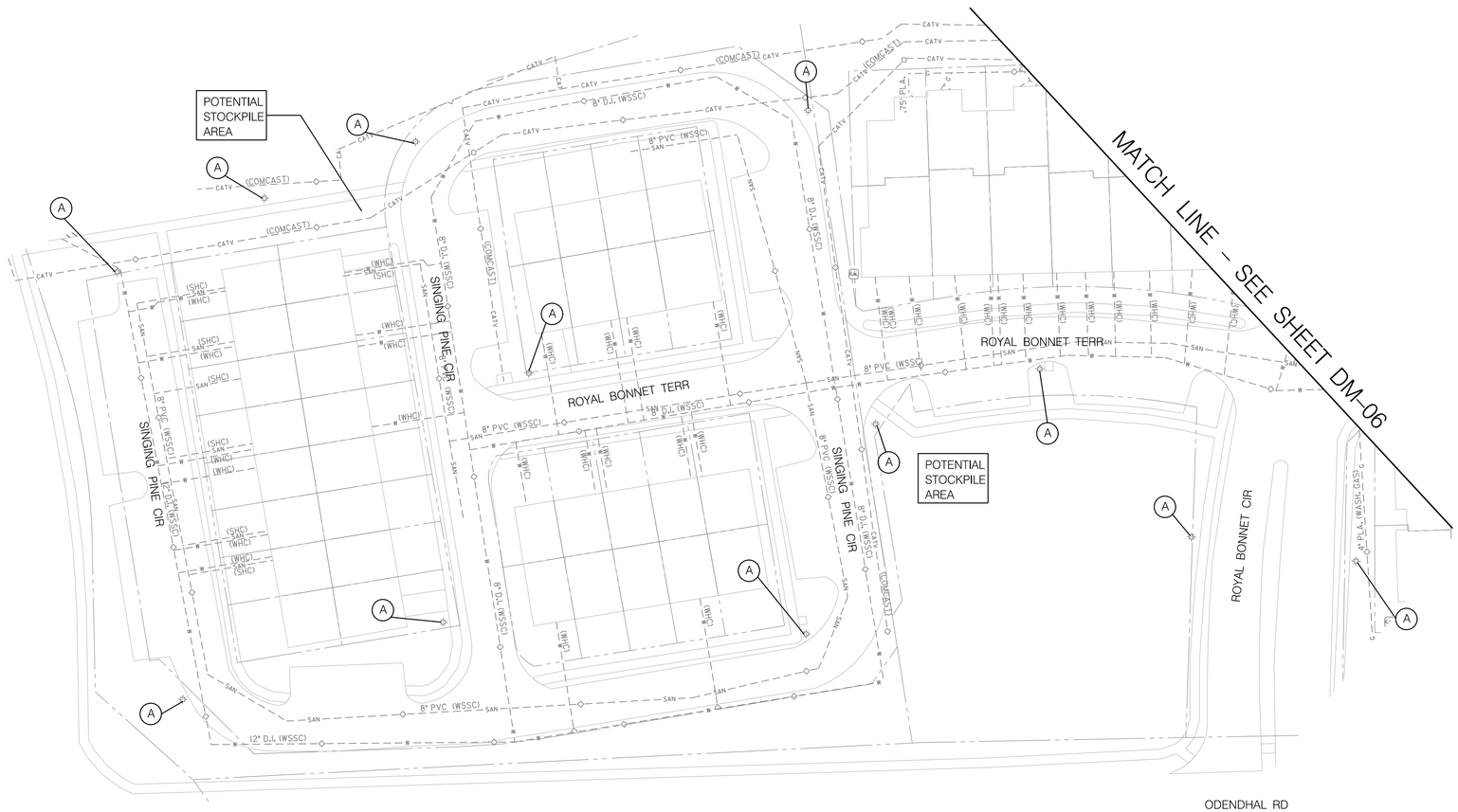
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-04** OF **09**

SHEET NO. 16 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:38 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn



KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE-01 AND DE-02.

PLAN NOTES

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EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	12

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER
8/29/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB COUNTY MONTGOMERY COUNTY
DRAWN BY AHB LOGMILE
CHECKED BY GAB
DPS PERMIT

DRAWING NO. **DM-05** OF **09** SHEET NO. 17 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:39 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE–01 AND DE–02.

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EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	12

STATE OF MARYLAND
GERARD ADAMS BAXTER
No. 33928
PROFESSIONAL ENGINEER
8/29/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-06** OF **09**

SHEET NO. 18 OF 46

PROFESSIONAL CERTIFICATION

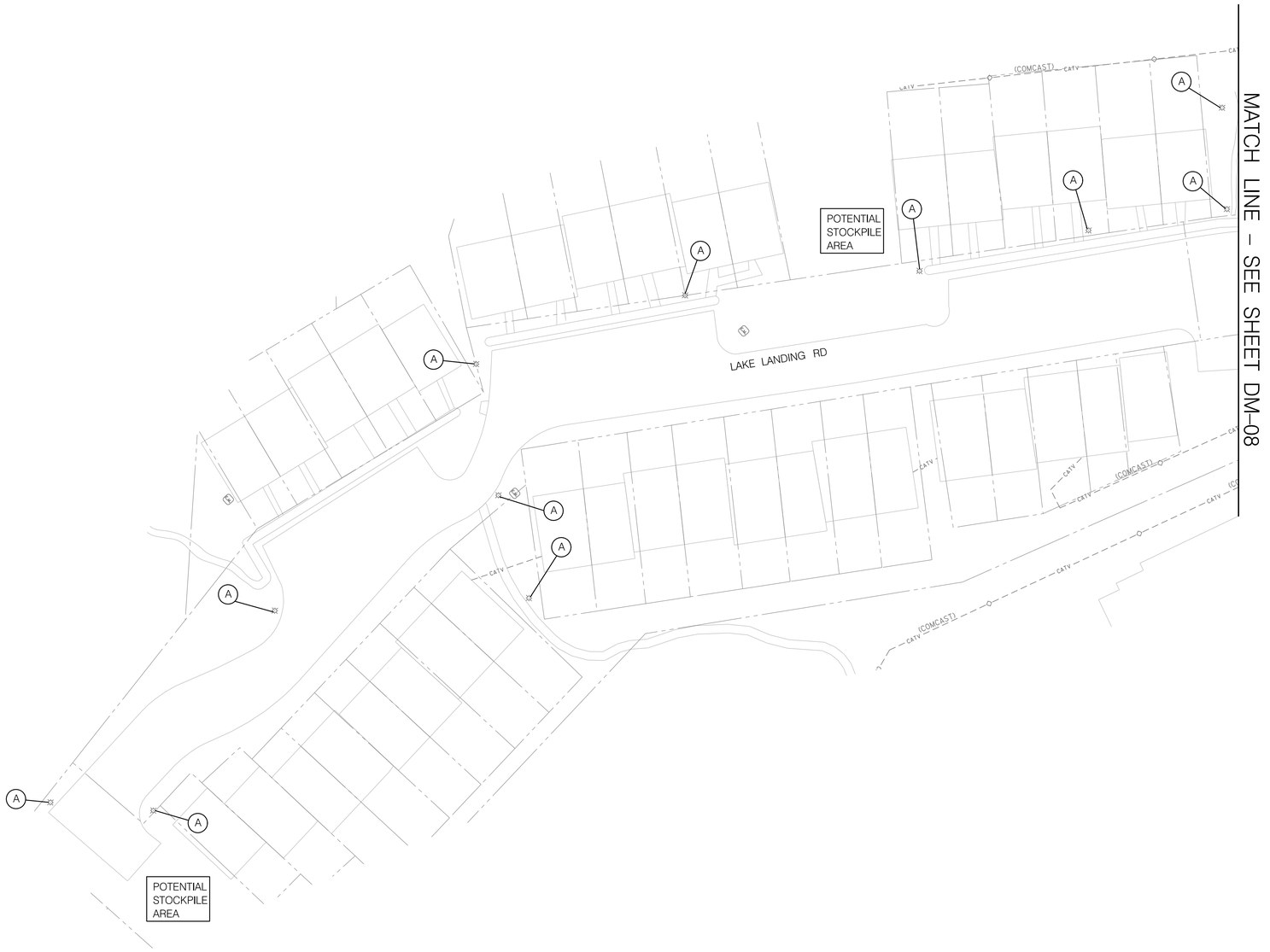
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

GERARD ADAMS BAXTER, II, PE

30' 0 30' 60'
SCALE: 1" = 30'

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:39 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn



KEY NOTES

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EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	11

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER
8/23/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-07** OF **09** SHEET NO. 19 OF 46

BY: abortkiewicz – I

PLOTTED: Thursday, August 29, 2019 AT 11:39 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

N

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS; SHEET DE-01 AND DE-02.

PLAN NOTES

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EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	13

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER
8/29/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

DEMOLITION PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-08** OF **09**

SHEET NO. 20 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:39 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

KEY NOTES

(A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SEE LIGHTING DETAILS, SHEET DE-01 AND DE-02.

PLAN NOTES

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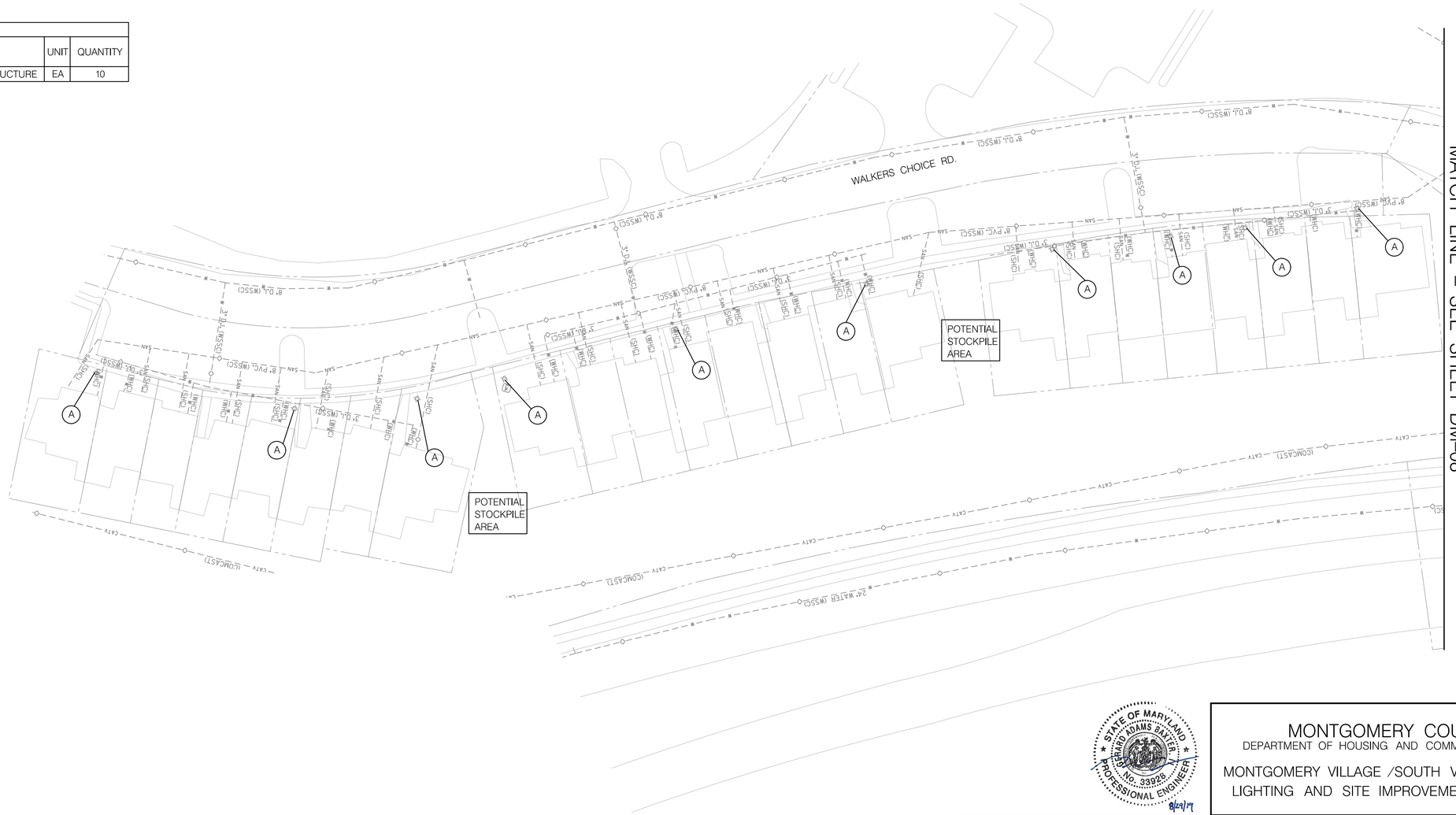
EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	10



30' 0 30' 60'
SCALE: 1"=30'

STATE OF MARYLAND
GERARD ADAMS BAXTER II
NO. 33928
PROFESSIONAL ENGINEER
8/29/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

GERARD ADAMS BAXTER, II, PE

DEMOLITION PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DM-09** OF **09**

SHEET NO. 21 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:40 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDM-Baseline.dgn

MATCH LINE – SEE SHEET LT–02

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

KEY NOTES:

1 EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "A" AND "B" CIRCUITS. INSTALL NEW CIRCUIT BREAKERS.

EXISTING METERED SERVICE PANEL SCHEDULE – 19024 MONTGOMERY VILLAGE AVE

CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 3	NO. 6 AWG	PEDESTRIAN LIGHTING: A–1 – A–12	0.468	2.16	2	20	(12) – 39 W LED LUMINAIRES
2, 4	NO. 6 AWG	PEDESTRIAN LIGHTING: B–1 – B–11	0.429	1.98	2	20	(11) – 39 W LED LUMINAIRES
5		SPARE					
6		SPARE					
7–12		EXISTING					
13		SPARE					
14, 16		EXISTING					
13		SPARE					

CONNECTOR KIT SCHEDULE

STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–1	0	0	0	8
J–2	0	0	0	4
A–1	0	0	2	0
A–2	0	2	0	0
A–7	0	0	2	0
A–8	0	0	2	0
A–9	0	2	0	0
B–1	0	0	2	0
B–2	0	2	0	0
B–7	0	0	2	0
B–8	0	0	2	0
B–9	0	2	0	0

HOUSESIDE SHIELD TABLE

EQUIPMENT	TYPE
A–2, A–8, B–8	GVDHSS180

EQUIPMENT SCHEDULE

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	13.0
832020	BARE COPPER WIRE, NO. 6 AWG	LF	2300
806025	LED ROADWAY LUMINAIRE	EA	10
800000	12 FOOT DECORATIVE POLE	EA	10
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	2000
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	200
837001	GROUND ROD = 3⁄4 INCH DIAMETER 10 FOOT LENGTH	EA	10
834001	CONNECTOR KIT – TYPE I	EA	0
834002	CONNECTOR KIT – TYPE II	EA	8
834003	CONNECTOR KIT – TYPE III	EA	12
834004	CONNECTOR KIT – TYPE IV	EA	12
811001	JUNCTION BOX	EA	2
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	100
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	2

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
3. JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. JUNCTION BOX INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

LIGHTING NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED AND ALL MATERIAL PROVIDED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, TO ALL LOCAL LAWS, AND/OR TO ORDINANCES GOVERNING SUCH MATERIAL CODE. IF THERE IS A CONFLICT BETWEEN THE REQUIREMENTS SPECIFIED IN THE CONTRACT DOCUMENTS AND THE CODE, THE MORE STRINGENT REQUIREMENT WILL APPLY AS DETERMINED AND APPROVED BY THE ENGINEER. WHEN THESE REQUIREMENTS DO NOT GOVERN, AND WHERE NOT OTHERWISE SPECIFIED, ELECTRICAL MATERIALS SHALL CONFORM TO THE STANDARDIZATION RULES OF THE INSTITUTE OF ELECTRICAL ENGINEERS.
2. BURIED ELECTRICAL DUCT CABLE, CABLE AND CONDUIT, AND OTHER UTILITIES EXIST THROUGHOUT THIS PROJECT. THE EXISTING UTILITIES LOCATION SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATING AND PREVENTING DAMAGE TO THEM, AND MAINTAINING THEM IN SERVICE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPAIR AND /OR REPLACE ANY UTILITIES DISRUPTED AS A RESULT OF CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO WORK.
4. WORK INCLUDES FURNISHING LABOR, MATERIAL, EQUIPMENT AND SERVICE NECESSARY AND INCIDENTAL TO PROPER COMPLETION OF THE ELECTRICAL WORK. MINOR ITEMS, ACCESSORIES OR DEVICES NECESSARY FOR COMPLETION AND PROPER OPERATION SHALL BE PROVIDED WHETHER OR NOT THEY ARE SPECIFICALLY CALLED FOR BY THE SPECIFICATIONS OR DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY THE OPERATING VOLTAGE OF ALL CIRCUITS OF THE PROPOSED LIGHTING SYSTEM AND IDENTIFY OPEN CIRCUITS THAT ARE TO BE USED. IF NO OPEN CIRCUITS ARE AVAILABLE, CONTRACTOR TO REDIRECT WIRE TO ANOTHER OPEN CIRCUIT AS APPROVED BY THE ENGINEER.
6. LIGHTS TO BE PLACED 2' BEHIND BACK OF SIDEWALK OR BACK OF CURB TO CENTER OF POLE UNLESS OTHERWISE NOTED.
7. ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CABLES TO BE EXOTHERMIC WELD.
8. CONDUCTORS SHALL NOT BE SPLICED EXCEPT IN STRUCTURES OR PULL JUNCTION BOXES.
9. ALL TRENCHING MUST BE BACKFILLED AND STABILIZED ON THE SAME WORKING DAY ON WHICH IT WAS OPENED. ALL SOIL NOT USED FOR BACKFILL MUST BE REMOVED THE SAME WORKING DAY. IF EITHER OF THESE TASKS CANNOT BE COMPLETED ON THE SAME WORKING DAY, THE CONTRACTOR SHALL PLACE SAFETY DEVICES AROUND THE AFFECTED SITE.
10. AS–BUILT LIGHTING DATA SHALL BE PROVIDED TO THE HOMEOWNERS ASSOCIATION AND MONTGOMERY COUNTY DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS (DHCA) AT THE COMPLETION OF THE BURN TEST. LIGHTING SYSTEMS WILL NOT BE ACCEPTED FOR MAINTENANCE UNTIL PLAN IS MARKED UP FOR WITH ANY CHANGES AND LIGHTING INVENTORY DATA HAS BEEN RECEIVED.
11. LUMINAIRES SHALL BE WASHINGTON GLOBE HOLOPHANE AWDE2–P20–40K–AS–F–BK–3–F–B–BK OR APPROVED EQUAL AT 4000K COLOR TEMPERATURE.
12. CONNECTOR KITS SHALL BE INSTALLED PER MD STD NO. 810.05 – ROADWAY LIGHTING 120⁄240 VOLT SYSTEM 240 VOLT POLE CONNECTIONS; SHEET DE–01.
13. JUNCTION BOX TO BE EITHER QUAZITE PG 24x24, TIER 15, STANDARD OPEN BOTTOM, COVER SHOULD STATE "LIGHTING", AND COLOR TO BE CEMENT GREY, OR APPROVED EQUAL AS APPROVED BY THE ENGINEER.
14. ALL JUNCTION BOXES TO BE INSTALLED IN THE GRASS.
15. CONTRACTOR SHALL TRIM TREES IN THE VICINITY OF THE PROPOSED LIGHTS.
16. DUCT CABLE SHALL BE PLACED A MINIMUM OF 2' DEEP.
17. ALL SIGNS ON EXISTING POLES THAT ARE REMOVED TO BE RELOCATED ON NEW POLES.
18. CONTRACTOR TO CONTACT ELECTRICAL UTILITY PRIOR TO DISCONNECTING LIGHTS.
19. CONTRACTOR TO RESET ANY SIGNS BLOCKED BY NEW LIGHTS.
20. CONTRACTOR SHALL RESTORE ANY HOMEOWNER LANDSCAPING, MULCHING, ETC. IMPACTED AT NOT ADDITIONAL COST.

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J–1 JUNCTION BOX

N

JMT

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:29 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER · 8/29/19

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - CENTER STAGE

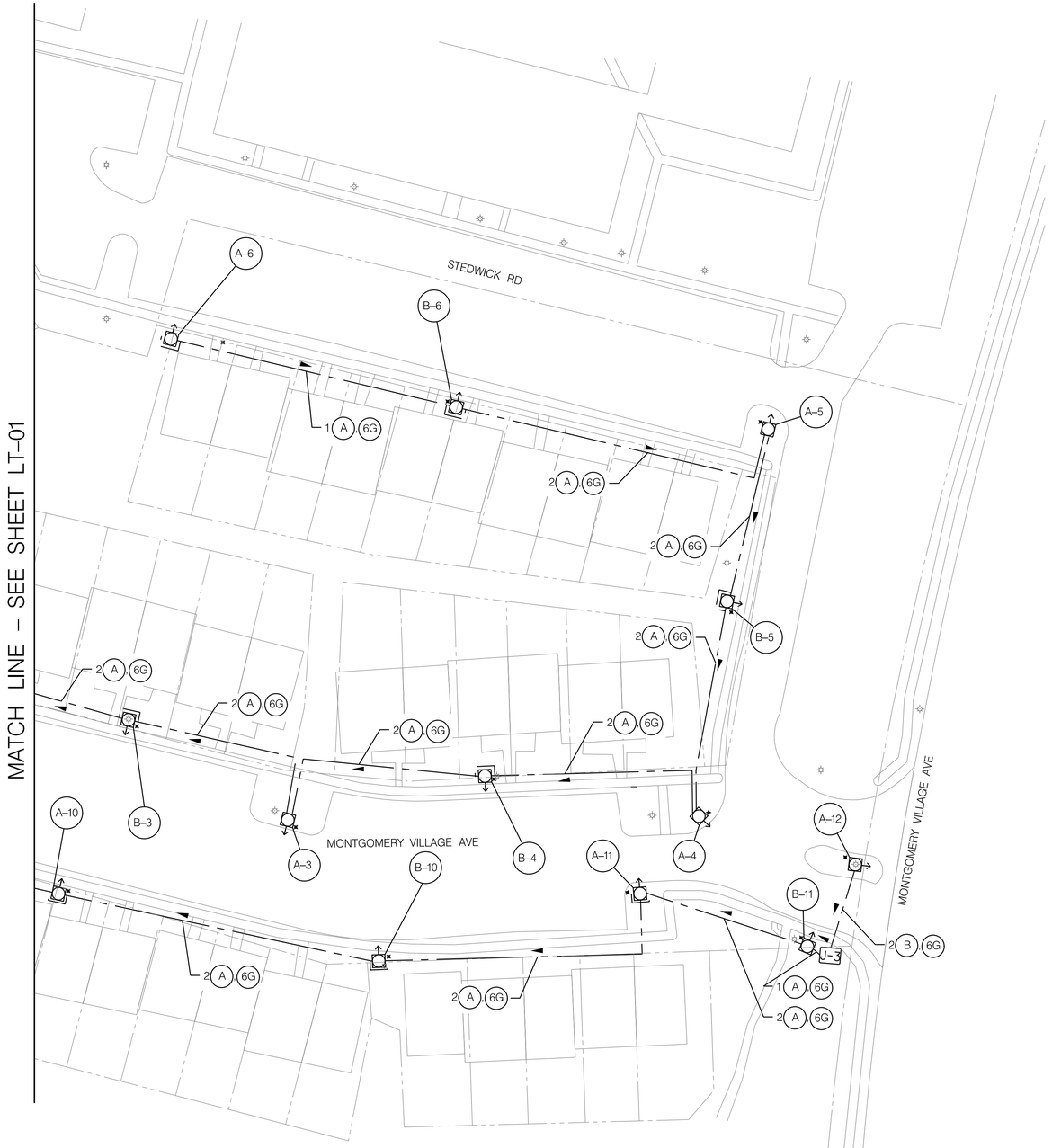
SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-01 OF 10

SHEET NO. 22 OF 46



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EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	16.9
832020	BARE COPPER WIRE, NO. 6 AWG	LF	2500
806025	LED ROADWAY LUMINAIRE	EA	13
800000	12 FOOT DECORATIVE POLE	EA	13
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	2350
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	80
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	13
834001	CONNECTOR KIT – TYPE I	EA	2
834002	CONNECTOR KIT – TYPE II	EA	8
834003	CONNECTOR KIT – TYPE III	EA	18
834004	CONNECTOR KIT – TYPE IV	EA	0
811001	JUNCTION BOX	EA	1
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	40
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	0

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
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4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
A–10 B–3, B–4, B–6	GVDHSS180

- (A) 832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
- (B) 832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
- (6G) 832020, BARE COPPER WIRE, NO. 6 AWG

CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–3	2	0	0	0
A–3	0	0	2	0
A–4	0	0	2	0
A–5	0	0	2	0
A–6	0	2	0	0
A–10	0	0	2	0
A–11	0	0	2	0
A–12	0	2	0	0
B–3	0	0	2	0
B–4	0	0	2	0
B–5	0	0	2	0
B–6	0	2	0	0
B–10	0	0	2	0
B–11	0	2	0	0

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J–1 JUNCTION BOX

30' 0 30' 60'
SCALE: 1" = 30'

GENERAL NOTES:

1. SEE GENERAL NOTES; SHEET LT–01
2. SEE LIGHTING CONTROL CABINET INFORMATION LT–01
3. CONTRACTOR TO USE EXSTING LIGHTING CONDUIT FOR A-12 (2)

STATE OF MARYLAND
GERARD ADAMS BAXTER
No. 33928
PROFESSIONAL ENGINEER
8/29/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - CENTER STAGE

SCALE 30 SCALE ADVERTISED DATE N/A CONTRACT NO.

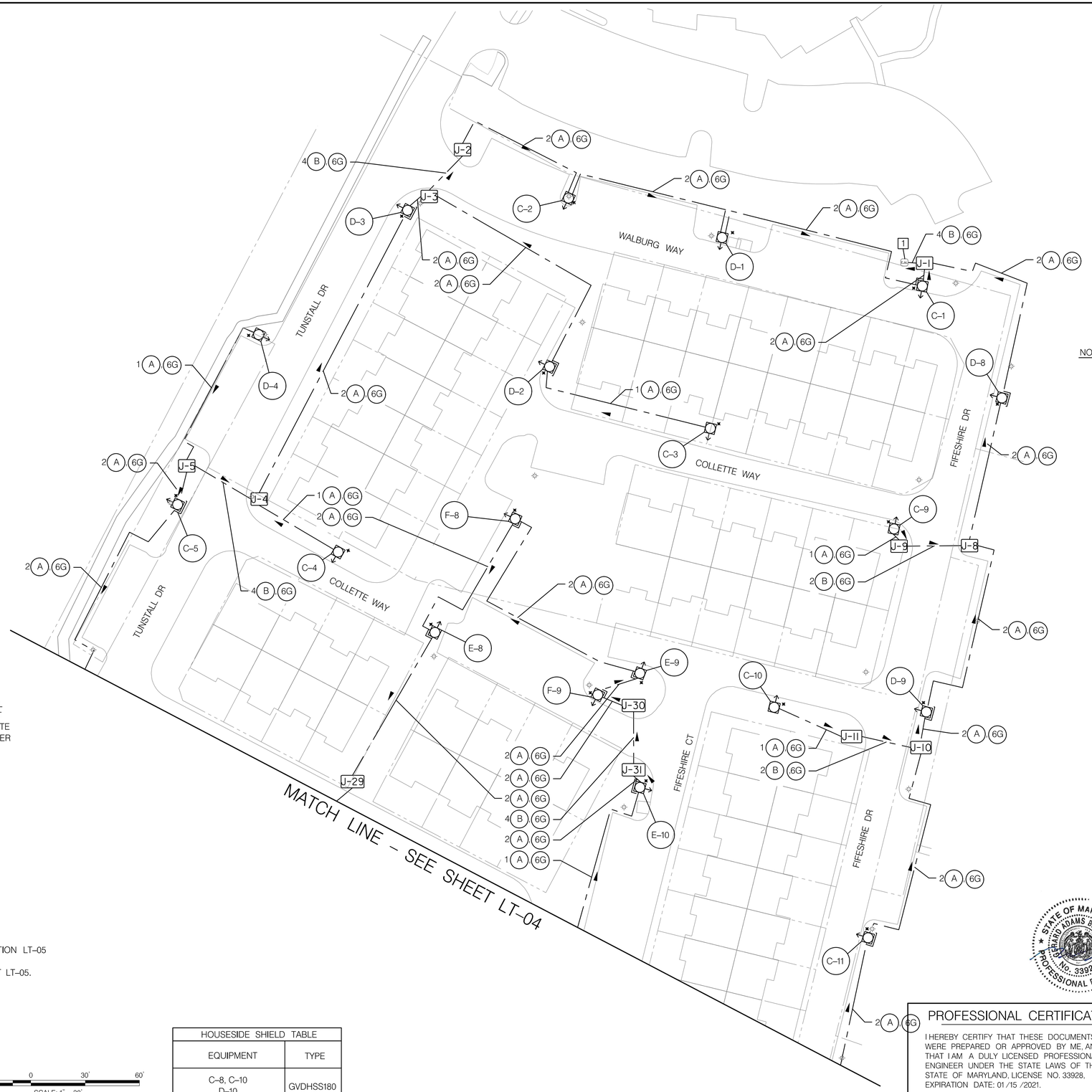
DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-02 OF 10
SHEET NO. 23 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:29 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn



EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	24.7
832020	BARE COPPER WIRE, NO. 6 AWG	LF	4600
806025	LED ROADWAY LUMINAIRE	EA	19
800000	12 FOOT DECORATIVE POLE	EA	19
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	4000
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	540
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	19
834001	CONNECTOR KIT – TYPE I	EA	28
834002	CONNECTOR KIT – TYPE II	EA	14
834003	CONNECTOR KIT – TYPE III	EA	24
834004	CONNECTOR KIT – TYPE IV	EA	16
811001	JUNCTION BOX	EA	12
838014	REMOTE LIGHTING CABINET 60 AMP	EA	1
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	160
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	2

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
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5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

KEY NOTES:

1 NEW POST-MOUNTED ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "C" AND "D" CIRCUITS AT 9402 WALBURG WAY. CONTRACTOR TO COORDINATE WITH PEPCO TO TURN OFF POWER AT THE METER TO INSTALL PANEL.

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT-01
2. SEE LIGHTING CONTROL CABINET INFORMATION LT-05
3. SEE CONNECTOR KIT SCHEDULE ON SHEET LT-05.

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J-1 JUNCTION BOX

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
C-8, C-10 D-10	GVDHSS180

30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

STATE OF MARYLAND · GERARD ADAMS BAXTER · NO. 33928 · PROFESSIONAL ENGINEER · 8/29/19

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - GROVERS FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

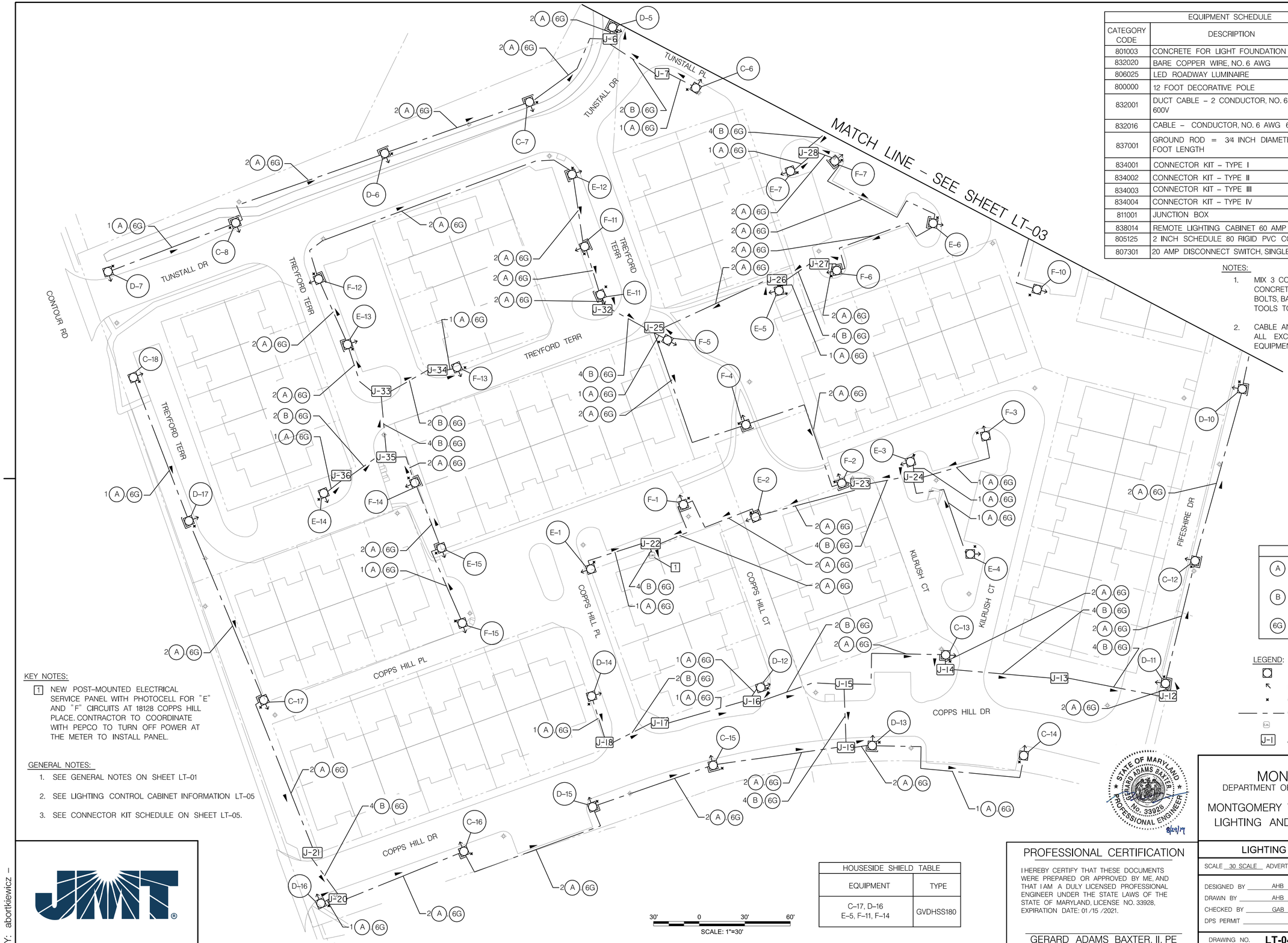
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-03 OF 10

SHEET NO. 24 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:30 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn



EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	59.8
832020	BARE COPPER WIRE, NO. 6 AWG	LF	7600
806025	LED ROADWAY LUMINAIRE	EA	46
800000	12 FOOT DECORATIVE POLE	EA	46
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	6200
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	1750
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	46
834001	CONNECTOR KIT – TYPE I	EA	48
834002	CONNECTOR KIT – TYPE II	EA	44
834003	CONNECTOR KIT – TYPE III	EA	48
834004	CONNECTOR KIT – TYPE IV	EA	38
811001	JUNCTION BOX	EA	24
838014	REMOTE LIGHTING CABINET 60 AMP	EA	1
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	550
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	2

NOTES:

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5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J-1 JUNCTION BOX

KEY NOTES:

1 NEW POST–MOUNTED ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "E" AND "F" CIRCUITS AT 18128 COPPS HILL PLACE. CONTRACTOR TO COORDINATE WITH PEPCO TO TURN OFF POWER AT THE METER TO INSTALL PANEL.

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01
2. SEE LIGHTING CONTROL CABINET INFORMATION LT–05
3. SEE CONNECTOR KIT SCHEDULE ON SHEET LT–05.

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
C–17, D–16 E–5, F–11, F–14	GVDHSS180

STATE OF MARYLAND GERARD ADAMS BAXTER II No. 33928 PROFESSIONAL ENGINEER 8/29/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - GROVERS FORGE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **LT-04** OF **10**

SHEET NO. 25 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:30 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

PROPOSED 60 AMP METERED SERVICE PANEL SCHEDULE – 9402 WALBURG WAY							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 3	NO. 6 AWG	PEDESTRIAN LIGHTING: C–1 – C–18	0.702	3.24	2	20	(18) – 39 W LED LUMINAIRES
2, 4	NO. 6 AWG	PEDESTRIAN LIGHTING: D–1 – D–17	0.663	3.06	2	20	(17) – 39 W LED LUMINAIRES
5		SPARE			1	20	
6		SPARE			1	20	

PROPOSED 60 AMP METERED SERVICE PANEL SCHEDULE – 18128 COPPS HILL PLACE							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 3	NO. 6 AWG	PEDESTRIAN LIGHTING: E–1 – E–15	0.585	2.70	2	20	(15) – 39 W LED LUMINAIRES
2, 4	NO. 6 AWG	PEDESTRIAN LIGHTING: F–1 – F–15	0.585	2.70	2	20	(15) – 39 W LED LUMINAIRES
5		EXISTING			1	20	
6		EXISTING			1	20	

JUNCTION BOX CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–1	0	0	0	4
J–2	4	0	0	0
J–3	0	0	0	4
J–4	2	0	0	2
J–5	2	0	0	2
J–6	2	0	0	2
J–7	2	0	0	0
J–8	2	0	0	2
J–9	2	0	0	0
J–10	2	0	0	2
J–11	2	0	0	0
J–12	4	0	0	0
J–13	4	0	0	0
J–14	4	0	0	0
J–15	0	0	0	4
J–16	4	0	0	0
J–17	2	0	0	0
J–18	2	0	0	0
J–19	0	0	0	4
J–20	2	0	0	2
J–21	4	0	0	0
J–22	2	0	0	2
J–23	0	0	0	4
J–24	2	0	0	2
J–25	0	0	0	6
J–26	0	0	0	4
J–27	0	0	0	2
J–28	2	0	0	2
J–29	4	0	0	0
J–30	4	0	0	0
J–31	4	0	0	0
J–32	4	0	0	0
J–33	2	0	0	2
J–34	2	0	0	0
J–35	2	0	0	2
J–36	2	0	0	0

STREET LIGHT CONNECTOR KIT SCHEDULE		
STRUCTURE	TYPE II KIT	TYPE III KIT
C–1	0	2
C–2	0	2
C–3	2	0
C–4	2	0
C–5	0	2
C–6	2	0
C–7	0	2
C–8	2	0
C–9	2	0
C–10	2	0
C–11	0	2
C–12	0	2
C–13	0	2
C–14	2	0
C–15	0	2
C–16	0	2
C–17	0	2
C–18	2	0
D–1	0	2
D–2	2	0
D–3	0	2
D–4	2	0
D–5	0	2
D–6	0	2
D–7	2	0
D–8	0	2
D–9	0	2
D–10	0	2
D–11	0	2
D–12	2	0
D–13	2	0
D–14	2	0
D–15	0	2
D–16	2	0
D–17	2	0

STREET LIGHT CONNECTOR KIT SCHEDULE		
STRUCTURE	TYPE II KIT	TYPE III KIT
E–1	2	0
E–2	0	2
E–3	2	0
E–4	2	0
E–5	2	0
E–6	0	2
E–7	2	0
E–8	0	2
E–9	0	2
E–10	2	0
E–11	0	2
E–12	0	2
E–13	0	2
E–14	2	0
E–15	2	0
F–1	0	2
F–2	0	2
F–3	2	0
F–4	0	2
F–5	2	0
F–6	0	2
F–7	0	2
F–8	0	2
F–9	0	2
F–10	2	0
F–11	0	2
F–12	0	2
F–13	2	0
F–14	0	2
F–15	2	0

STATE OF MARYLAND
GERARD ADAMS BAXTER
No. 33928
PROFESSIONAL ENGINEER
8/29/19

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - GROVERS FORGE

SCALE N.T.S. ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **LT-05** OF **10**

SHEET NO. 26 OF 46

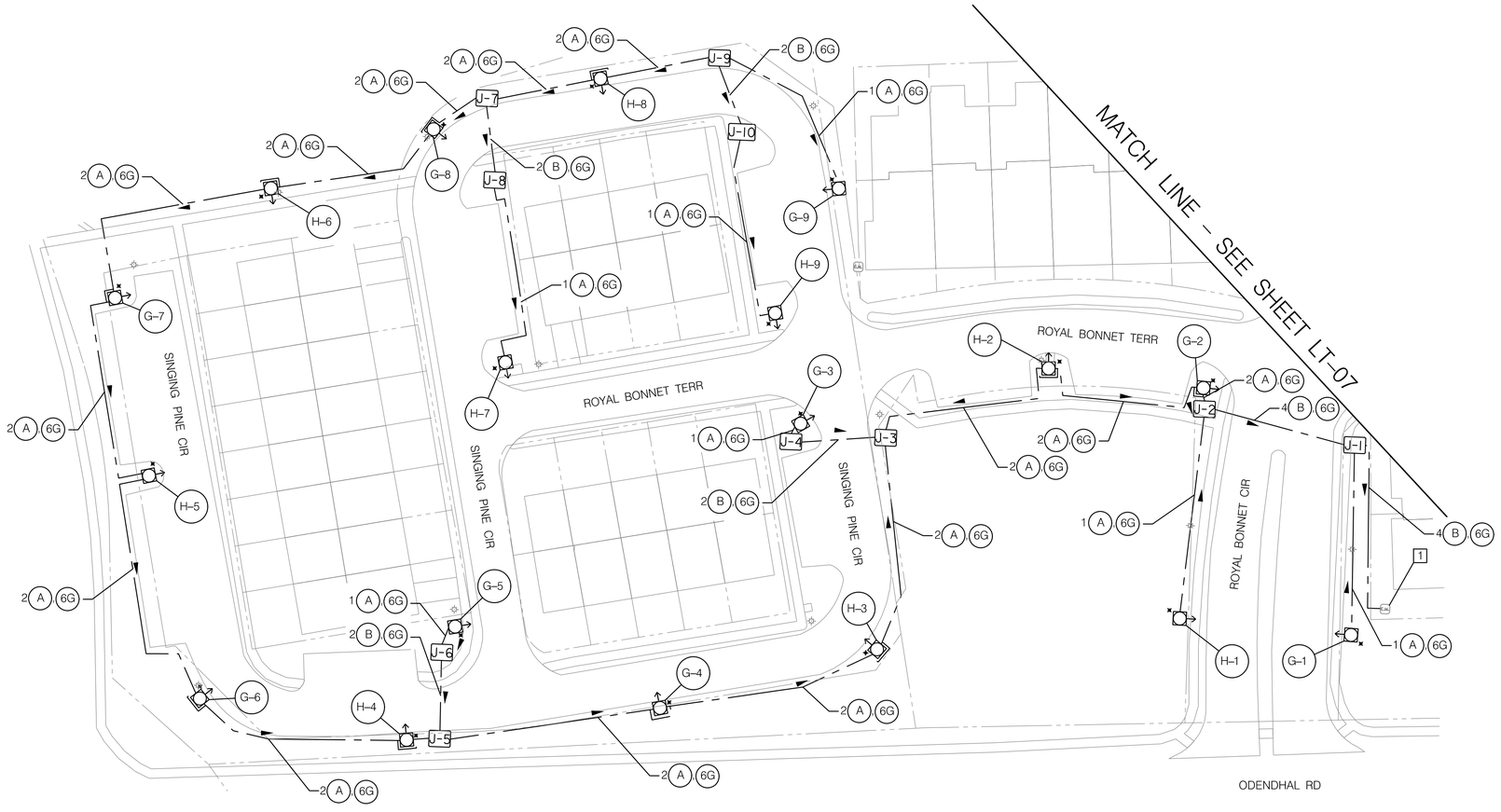
BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:30 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

EXISTING METERED SERVICE PANEL SCHEDULE – 18046 ROYAL BONNET TERRACE							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 3	NO. 6 AWG	PEDESTRIAN LIGHTING: G–1 – G–9	0.351	1.62	2	20	(9) – 39 W LED LUMINAIRES
2, 4	NO. 6 AWG	PEDESTRIAN LIGHTING: H–1 – H–9	0.351	1.62	2	20	(9) – 39 W LED LUMINAIRES
5–16		EXISTING AND SPARES					

NOTE:

UNABLE TO VERFIY CIRCUIT NUMBERS. SPARES AVAILABLE PER ELECTRICAL REPORT.



CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–1	2	0	0	2
J–2	2	0	0	2
J–3	2	0	0	2
J–4	2	0	0	0
J–5	2	0	0	2
J–6	2	0	0	0
J–7	2	0	0	2
J–8	2	0	0	0
J–9	2	0	0	2
J–10	2	0	0	0
G–1	0	2	0	0
G–2	0	0	2	0
G–3	0	2	0	0
G–4	0	0	2	0
G–5	0	2	0	0
G–6	0	0	2	0
G–7	0	0	2	0
G–8	0	0	2	0
G–9	0	2	0	0
H–1	0	2	0	0
H–2	0	0	2	0
H–3	0	0	2	0
H–4	0	0	2	0
H–5	0	0	2	0
H–6	0	0	2	0
H–7	0	2	0	0
H–8	0	0	2	0
H–9	0	2	0	0

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
G–9	GVDHSS180

KEY NOTES:

1 EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "G" AND "H" CIRCUITS. INSTALL NEW CIRCUIT BREAKERS.

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J–1 JUNCTION BOX

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	23.4
832020	BARE COPPER WIRE, NO. 6 AWG	LF	3350
806025	LED ROADWAY LUMINAIRE	EA	18
800000	12 FOOT DECORATIVE POLE	EA	18
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	2800
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	820
837001	GROUND ROD = 3⁄4 INCH DIAMETER 10 FOOT LENGTH	EA	18
834001	CONNECTOR KIT – TYPE I	EA	20
834002	CONNECTOR KIT – TYPE II	EA	14
834003	CONNECTOR KIT – TYPE III	EA	22
834004	CONNECTOR KIT – TYPE IV	EA	12
811001	JUNCTION BOX	EA	10
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	270
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	2

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
3. JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. JUNCTION BOX INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND · GERARD ADAMS BAXTER II · NO. 33928 · PROFESSIONAL ENGINEER
8/29/19

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

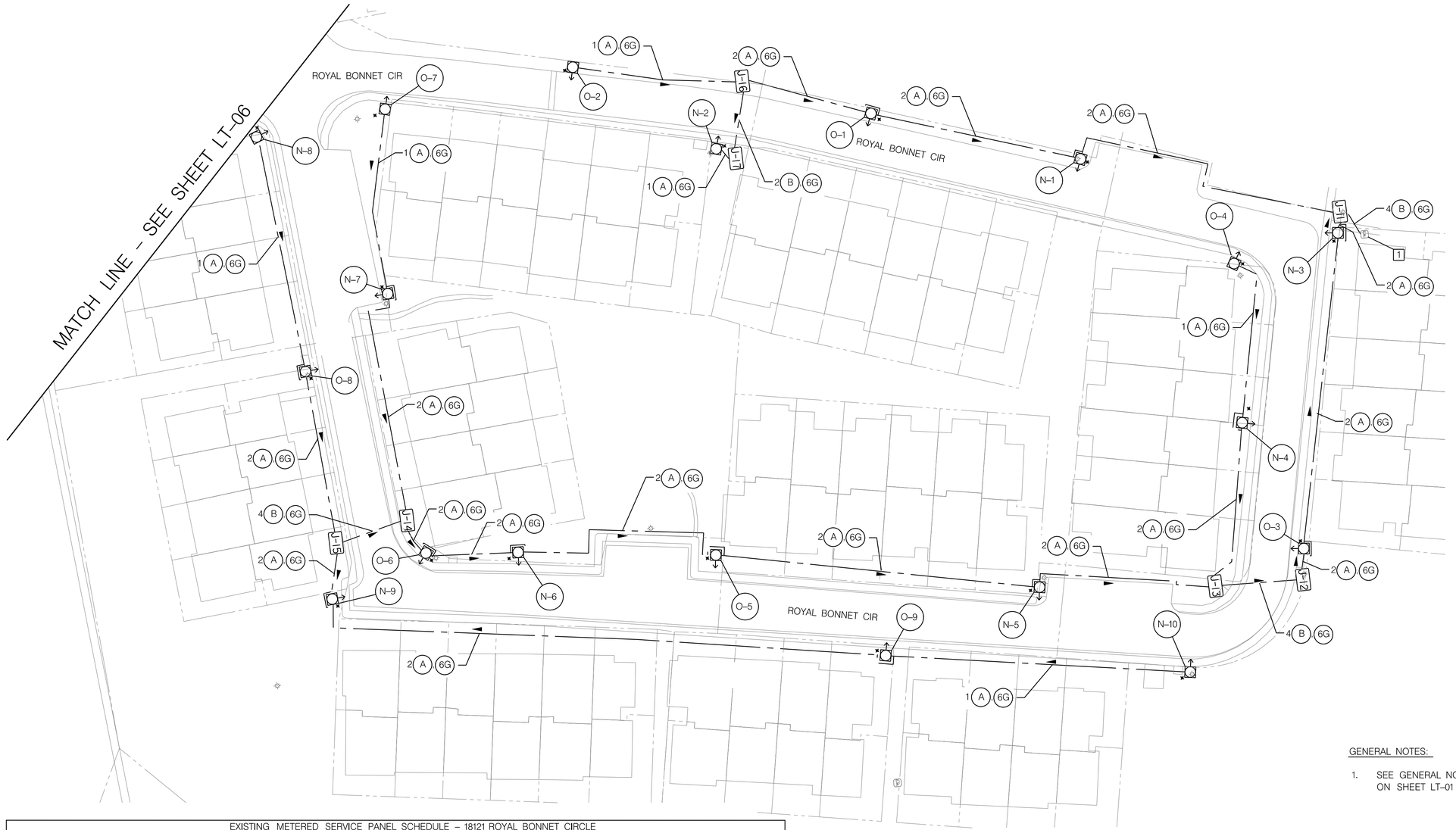
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **LT-06** OF **10**

SHEET NO. 27 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:30 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn



HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
N–4	GVDHSS180

CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–11	0	0	0	4
J–12	4	0	0	0
J–13	0	0	0	4
J–14	0	0	0	4
J–15	0	0	0	4
J–16	4	0	0	0
J–17	2	0	0	0
N–1	0	0	2	0
N–2	0	2	0	0
N–3	0	0	2	0
N–4	0	2	0	0
N–5	0	0	2	0
N–6	0	0	2	0
N–7	0	2	0	0
N–8	0	2	0	0
N–9	0	0	2	0
N–10	0	2	0	0
O–1	0	0	2	0
O–2	0	2	0	0
O–3	0	0	2	0
O–4	0	2	0	0
O–5	0	0	2	0
O–6	0	0	2	0
O–7	0	2	0	0
O–8	0	2	0	0
O–9	0	2	0	0

KEY NOTES:

[1] EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "N" AND "O" CIRCUITS. INSTALL NEW CIRCUIT BREAKERS.

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J–1 JUNCTION BOX

EXISTING METERED SERVICE PANEL SCHEDULE – 18121 ROYAL BONNET CIRCLE							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 3	NO. 6 AWG	PEDESTRIAN LIGHTING: N–1 – N–10	0.390	1.80	2	20	(10) – 39 W LED LUMINAIRES
2, 4	NO. 6 AWG	PEDESTRIAN LIGHTING: O–1 – O–9	0.351	1.62	2	20	(9) – 39 W LED LUMINAIRES
5–16		EXISTING AND SPARES					

NOTE:

UNABLE TO VERFIY CIRCUIT NUMBERS. SPARES AVAILABLE PER ELECTRICAL REPORT.

30' 0 30' 60'
SCALE: 1" = 30'

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
3. JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. JUNCTION BOX INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	24.7
832020	BARE COPPER WIRE, NO. 6 AWG	LF	3750
806025	LED ROADWAY LUMINAIRE	EA	19
800000	12 FOOT DECORATIVE POLE	EA	19
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	3400
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	440
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	19
834001	CONNECTOR KIT – TYPE I	EA	10
834002	CONNECTOR KIT – TYPE II	EA	20
834003	CONNECTOR KIT – TYPE III	EA	18
834004	CONNECTOR KIT – TYPE IV	EA	16
811001	JUNCTION BOX	EA	7
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	110
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	2

STATE OF MARYLAND
GERARD ADAMS BAXTER
NO. 33928
PROFESSIONAL ENGINEER
8/29/19

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - THE HAMPTONS

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

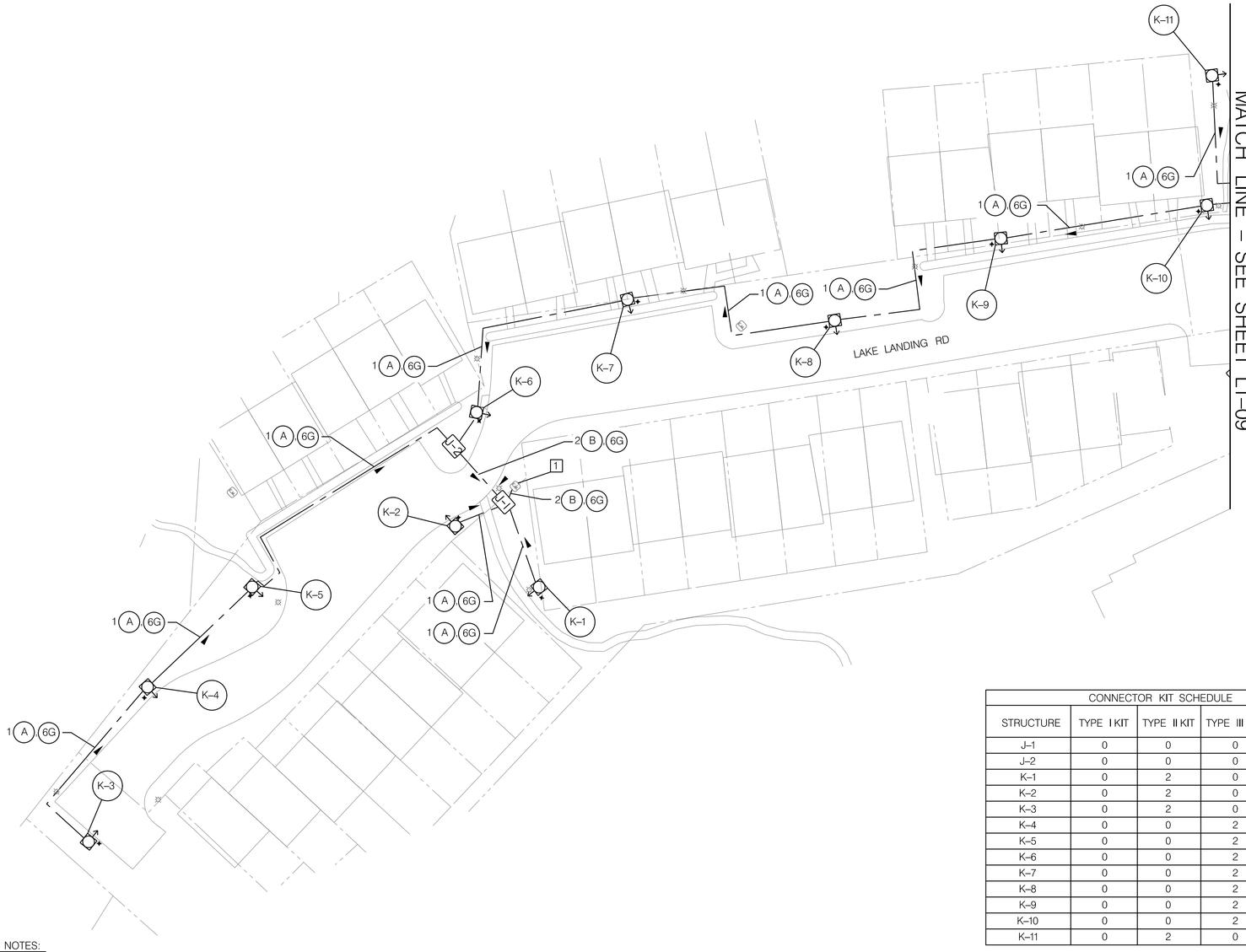
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-07 OF 10

SHEET NO. 28 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:31 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn



EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	14.3
832020	BARE COPPER WIRE, NO. 6 AWG	LF	1050
806025	LED ROADWAY LUMINAIRE	EA	11
800000	12 FOOT DECORATIVE POLE	EA	11
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	900
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	80
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	11
834001	CONNECTOR KIT – TYPE I	EA	0
834002	CONNECTOR KIT – TYPE II	EA	8
834003	CONNECTOR KIT – TYPE III	EA	14
834004	CONNECTOR KIT – TYPE IV	EA	6
811001	JUNCTION BOX	EA	2
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	40
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	1

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
3. JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. JUNCTION BOX INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
K–7, K–9	GVDHSS180

KEY NOTES:

1 EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "K" CIRCUIT. INSTALL NEW CIRCUIT BREAKER.

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–1	0	0	0	4
J–2	0	0	0	2
K–1	0	2	0	0
K–2	0	2	0	0
K–3	0	2	0	0
K–4	0	0	2	0
K–5	0	0	2	0
K–6	0	0	2	0
K–7	0	0	2	0
K–8	0	0	2	0
K–9	0	0	2	0
K–10	0	0	2	0
K–11	0	2	0	0

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- J–1 JUNCTION BOX

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01.
2. SEE LIGHTING CONTROL CABINET INFORMATION THIS SHEET AND LT–10.
3. CIRCUIT "K" AND "L" CONTINUES ON TO SHEET LT–09 AND LT–10.

EXISTING METERED SERVICE PANEL SCHEDULE – 9966 LAKE LANDING ROAD							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 2	NO. 6 AWG	PEDESTRIAN LIGHTING: K–1 – K–12	0.468	2.16	2	70	(12) – 39 W LED LUMINAIRES

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND · GERARD ADAMS BAXTER · NO. 33928 · PROFESSIONAL ENGINEER · 8/23/21

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **LT-08** OF **10**

SHEET NO. 29 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:31 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

EXISTING METERED SERVICE PANEL SCHEDULE – 9921 LAKE LANDING ROAD							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 2	NO. 6 AWG	PEDESTRIAN LIGHTING: L–1 – L–10	0.390	1.80	2	20	(10) – 39 W LED LUMINAIRES

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
L–1, L–4	GVDHSS180

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	15.6
832020	BARE COPPER WIRE, NO. 6 AWG	LF	1150
806025	LED ROADWAY LUMINAIRE	EA	12
800000	12 FOOT DECORATIVE POLE	EA	12
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	850
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	290
837001	GROUND ROD = 3⁄4 INCH DIAMETER 10 FOOT LENGTH	EA	12
834001	CONNECTOR KIT – TYPE I	EA	4
834002	CONNECTOR KIT – TYPE II	EA	8
834003	CONNECTOR KIT – TYPE III	EA	16
834004	CONNECTOR KIT – TYPE IV	EA	4
811001	JUNCTION BOX	EA	4
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	135
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	1

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
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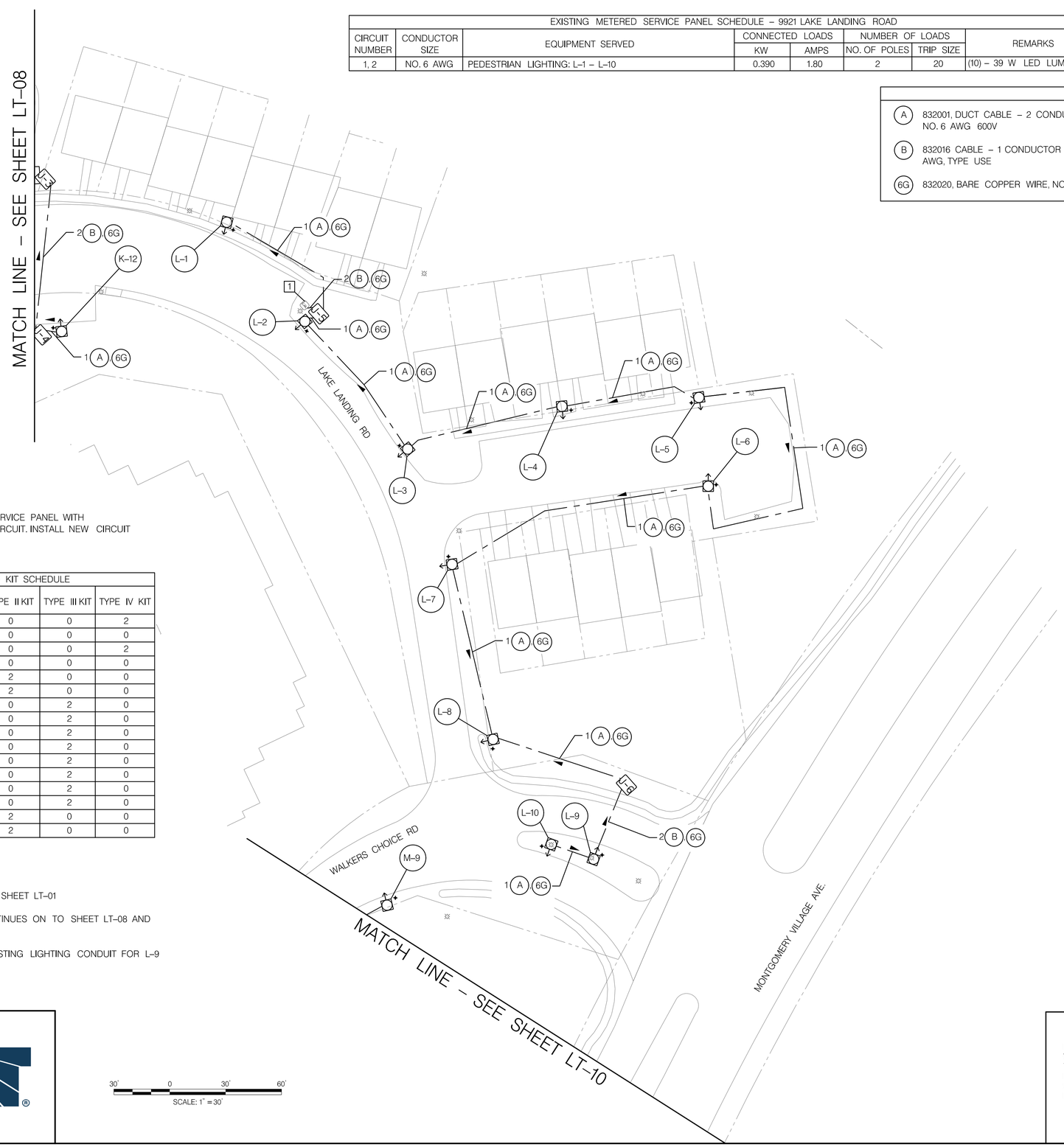
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2"SCHEDULE 80 PVC CONDUIT.



KEY NOTES:

1 EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "L" CIRCUIT. INSTALL NEW CIRCUIT BREAKER.

CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–3	0	0	0	2
J–4	2	0	0	0
J–5	0	0	0	2
J–6	2	0	0	0
K–12	0	2	0	0
L–1	0	2	0	0
L–2	0	0	2	0
L–3	0	0	2	0
L–4	0	0	2	0
L–5	0	0	2	0
L–6	0	0	2	0
L–7	0	0	2	0
L–8	0	0	2	0
L–9	0	0	2	0
L–10	0	2	0	0
M–9	0	2	0	0

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01
2. RCUIT "K" AND "M" CONTINUES ON TO SHEET LT–08 AND LT–10.
3. CONTRACTOR TO USE EXSTING LIGHTING CONDUIT FOR L–9 AND L–10.

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- JUNCTION BOX

30' 0 30' 60'
SCALE: 1" = 30'

STATE OF MARYLAND
GERARD ADAMS BAXTER II
No. 33928
PROFESSIONAL ENGINEER
8/29/19

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01 /15 /2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-09 OF 10

SHEET NO. 30 OF 46

BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:31 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	10.4
832020	BARE COPPER WIRE, NO. 6 AWG	LF	900
806025	LED ROADWAY LUMINAIRE	EA	8
800000	12 FOOT DECORATIVE POLE	EA	8
832001	DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V	LF	750
832016	CABLE – CONDUCTOR, NO. 6 AWG 600V	LF	30
837001	GROUND ROD = 3⁄4 INCH DIAMETER 10 FOOT LENGTH	EA	8
834001	CONNECTOR KIT – TYPE I	EA	0
834002	CONNECTOR KIT – TYPE II	EA	2
834003	CONNECTOR KIT – TYPE III	EA	14
834004	CONNECTOR KIT – TYPE IV	EA	2
811001	JUNCTION BOX	EA	1
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT	LF	30
807301	20 AMP DISCONNECT SWITCH, SINGLE PHASE	EA	1

NOTES:

1. MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
2. CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
3. JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. JUNCTION BOX INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
4. CABLE FROM CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE–ROUTED TO THE PROPOSED JUNCTION BOX. IF RE–ROUTING IS NOT FEASIBLE, CONTRACTOR TO PROVIDE NEW 2" SCHEDULE 80 PVC CONDUIT.
5. CABLE BENEATH ROADWAY TO BE INSTALLED IN 2" SCHEDULE 80 PVC CONDUIT.

KEY NOTES:

[1] EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "M" CIRCUIT. INSTALL NEW CIRCUIT BREAKER.

LEGEND:

- PROPOSED LIGHT POLE AND LUMINAIRE
- INDICATOR FOR DIRECTION OF LIGHT
- GROUNDING ROD
- CABLE RUN
- EX. ELECTRIC METER
- [J-I] JUNCTION BOX

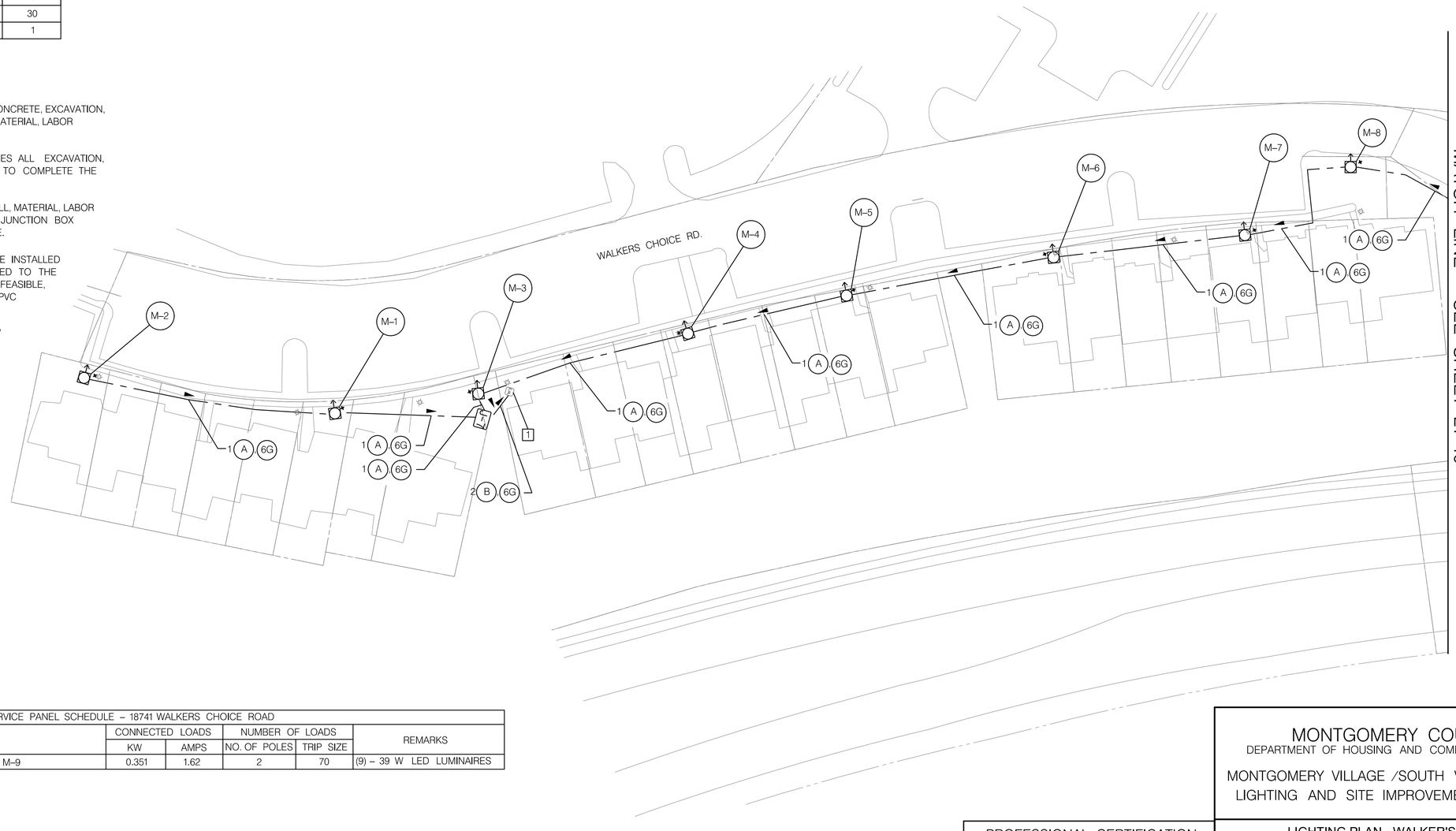
GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET LT–01
2. SEE LIGHTING CONTROL CABINET INFORMATION THIS SHEET AND LT–08
3. CIRCUIT "K" AND "L" CONTINUES ON TO SHEET LT–08 AND LT–09.

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
M–1, M–2, M–4, M–5, M–6, M–7	GVDHSS180

CONNECTOR KIT SCHEDULE				
STRUCTURE	TYPE I KIT	TYPE II KIT	TYPE III KIT	TYPE IV KIT
J–7	0	0	0	2
M–1	0	0	2	0
M–2	0	2	0	0
M–3	0	0	2	0
M–4	0	0	2	0
M–5	0	0	2	0
M–6	0	0	2	0
M–7	0	0	2	0
M–8	0	0	2	0

A	832001, DUCT CABLE – 2 CONDUCTOR, NO. 6 AWG 600V
B	832016 CABLE – 1 CONDUCTOR NO. 6 AWG, TYPE USE
6G	832020, BARE COPPER WIRE, NO. 6 AWG



EXISTING METERED SERVICE PANEL SCHEDULE – 18741 WALKERS CHOICE ROAD							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1, 2	NO. 6 AWG	PEDESTRIAN LIGHTING: M–1 – M–9	0.351	1.62	2	70	(9) – 39 W LED LUMINAIRES

30' 0 30' 60'
SCALE: 1"=30'

STATE OF MARYLAND · GERARD ADAMS BAXTER · No. 33928 · PROFESSIONAL ENGINEER · 8/23/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING PLAN - WALKER'S CHOICE

SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LT-10 OF 10

SHEET NO. 31 OF 46

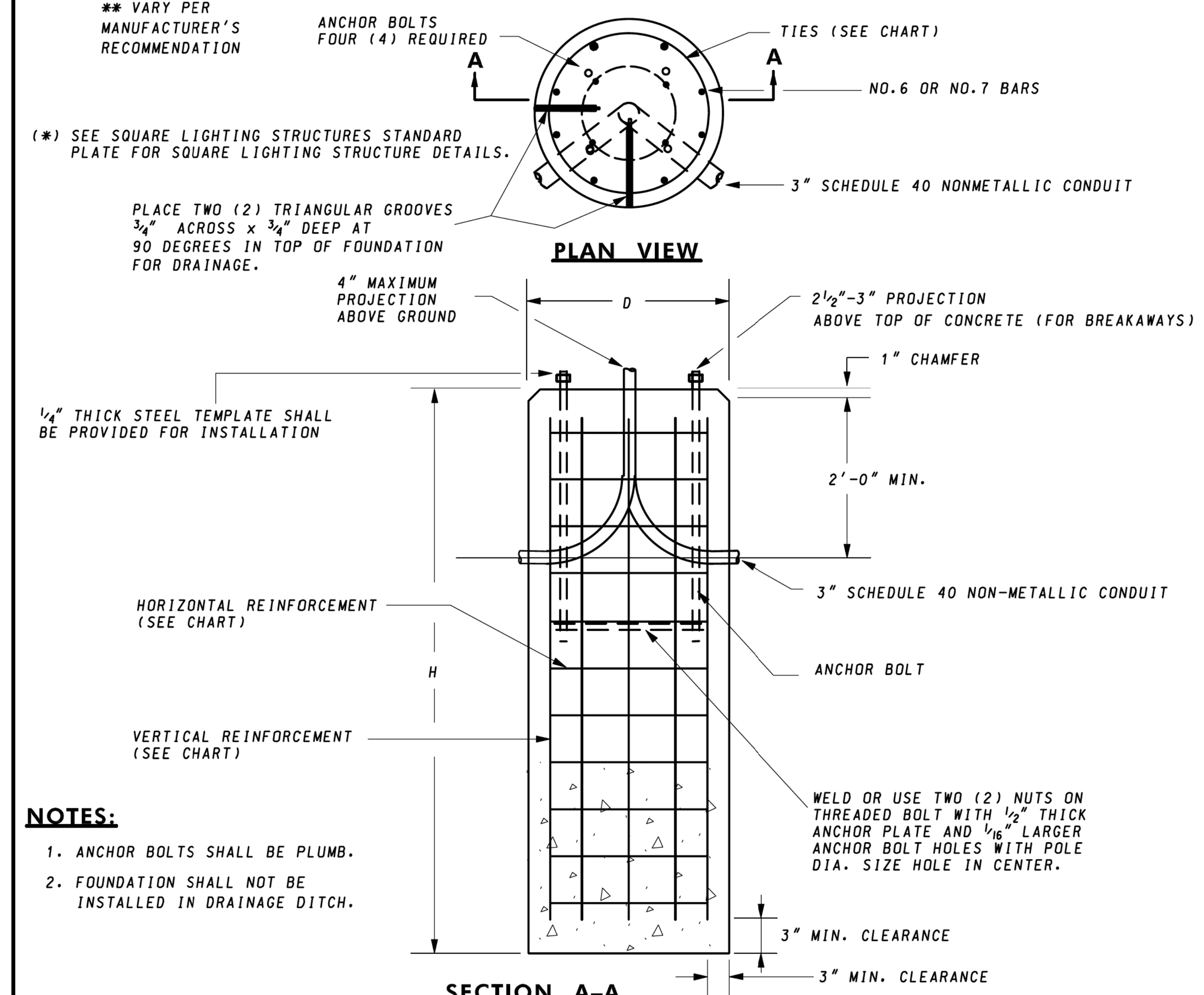
BY: abortkiewicz –

PLOTTED: Thursday, August 29, 2019 AT 11:31 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pHD-Baseline.dgn

NOMINAL MOUNTING HEIGHT FT.	BRACKET ARM LENGTH FT.	ANCHOR BOLT DIMENSIONS (*) P" x X" IN. x IN.	FOUNDATION DIMENSIONS		FOUNDATION REINFORCEMENT		CONCRETE REQUIRED C.Y.
			DIAMETER D FT.	HEIGHT H FT.	VERTICAL REINF. BARS SIZE	HORIZONTAL REINF. SIZE	
UP TO 15	0	**	2	4	6 NO.6	NO.3 TIES AT 1'-0" C.C.	0.5
16-30	0-15	1 x 36	2 1/2	7	8 NO.7		1.3
	20-25	1 x 36	2 1/2	11 1/2	8 NO.7		2.1
	30	1 1/4 x 42	2 1/2	11 1/2	8 NO.7		2.1
35-40	4-20	1 x 36	2 1/2	11 1/2	8 NO.7		2.1
	25-35	1 1/4 x 42	3	15	10 NO.7		4.0
45-50	0-10	1 x 36	2 1/2	11 1/2	8 NO.7		2.1
	15-30	1 1/4 x 42	3	15	10 NO.7		4.0

** VARY PER MANUFACTURER'S RECOMMENDATION

(*) SEE SQUARE LIGHTING STRUCTURES STANDARD PLATE FOR SQUARE LIGHTING STRUCTURE DETAILS.



NOTES:

1. ANCHOR BOLTS SHALL BE PLUMB.
2. FOUNDATION SHALL NOT BE INSTALLED IN DRAINAGE DITCH.

SPECIFICATION 801 | CATEGORY CODE ITEMS

APPROVED [illegible]
DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

SHA StateHighway Administration

APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
APPROVAL 7-1-94	APPROVAL 7-1-94
REVISED 5-17-07	REVISED 5-2-07
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

LIGHTING STRUCTURE FOUNDATION

STANDARD NO. MD 801.02

REFERENCED ON: MD 808.01, MD 808.02

STANDARD LIGHTING STRUCTURE FOUNDATION DETAIL

NOTES FOR 801.02:

1. FOUNDATION TO EXTEND 4" ABOVE FINISHED GRADE.
2. FOUNDATION CONCRETE TO BE MIX 3, 3000 PSI.
3. GROUND ROD TO BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL ROD.
4. GROUND ROD TO BE EXOTHERMICALLY WELDED TO GROUND WIRE 1' BELOW TOP OF FOUNDATION.
5. GROUND WIRE TO ENTER TOP OF FOUNDATION AND EXIT THE SIDE OF THE FOUNDATION 1' BELOW TOP OF FOUNDATION.

SPECIFICATION 810 | CATEGORY CODE ITEMS

APPROVED [illegible]
DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

SHA StateHighway Administration

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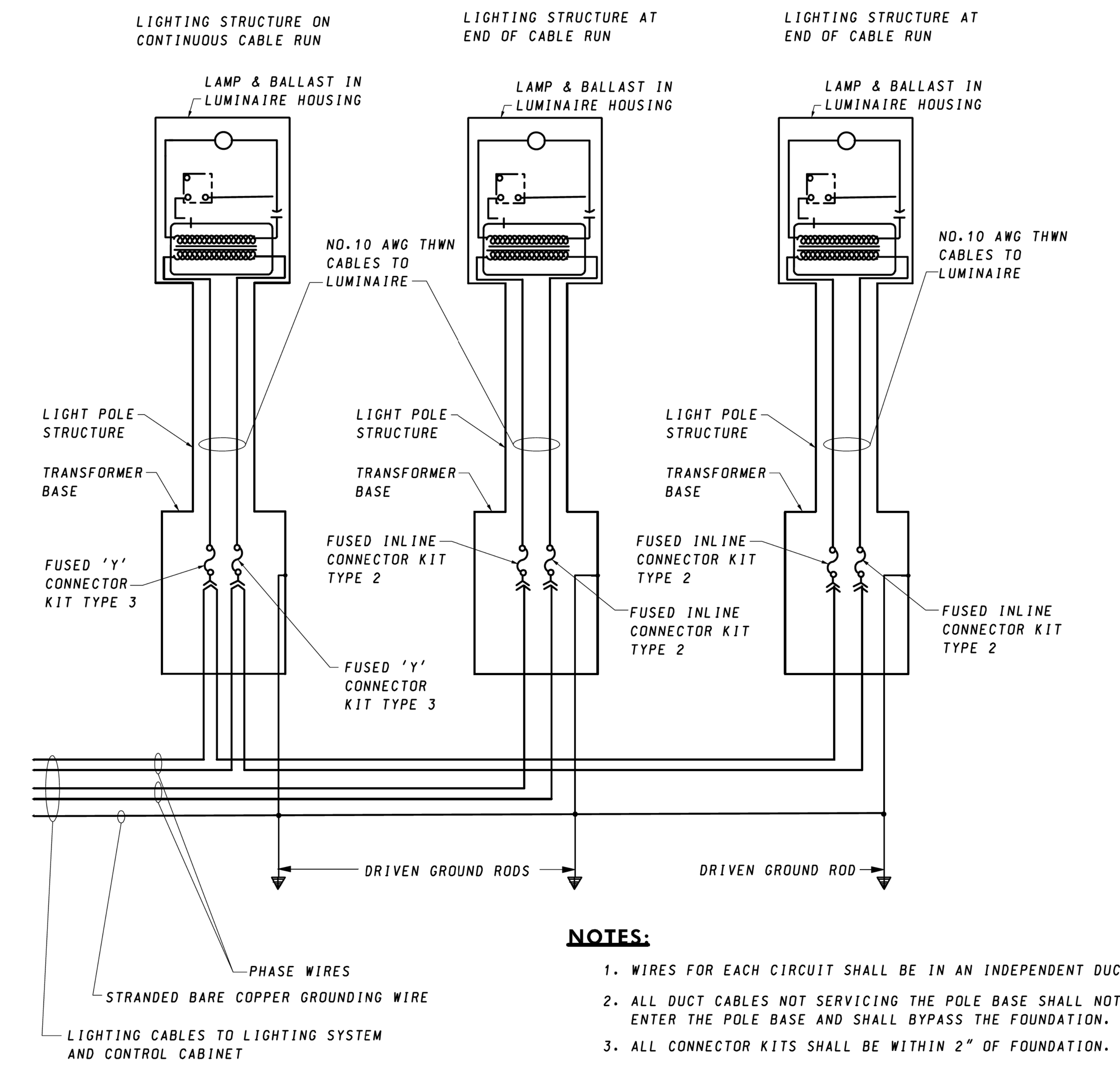
APPROVAL 7-1-94	APPROVAL 7-1-94
REVISED 5-17-07	REVISED 5-2-07
REVISED	REVISED
REVISED	REVISED

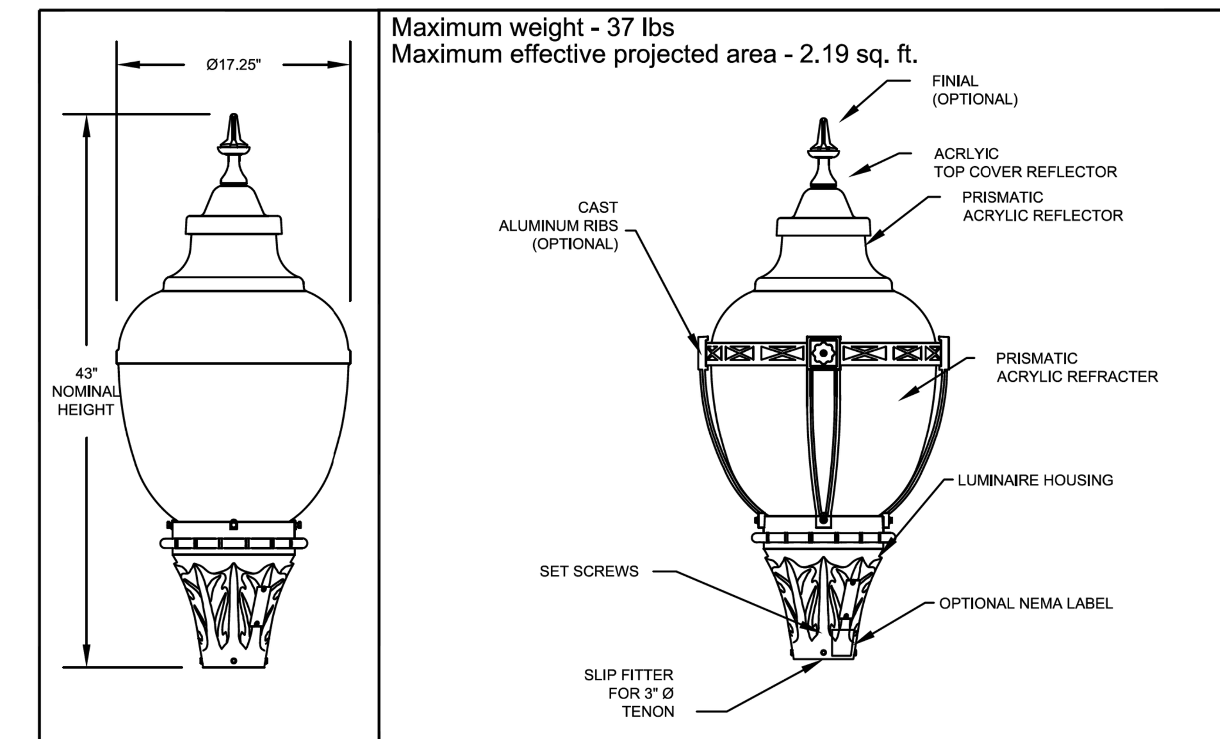
Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
ROADWAY LIGHTING
120/240 VOLT SYSTEM
240 VOLT POLE CONNECTIONS

STANDARD NO. MD 810.05



NOTES:

1. WIRES FOR EACH CIRCUIT SHALL BE IN AN INDEPENDENT DUCT CABLE.
2. ALL DUCT CABLES NOT SERVICING THE POLE BASE SHALL NOT ENTER THE POLE BASE AND SHALL BYPASS THE FOUNDATION.
3. ALL CONNECTOR KITS SHALL BE WITHIN 2" OF FOUNDATION.



Acrylic Washington Postlite® LED Series Luminaire
Prismatic Style: Acrylic Washington
Housing Size: Standard

DECORATIVE OUTDOOR

ORDERING INFORMATION:

AWDE2 | P20 | 40K | AS | F | BK | 3 | F | B | BK

HOUSING
AWDE2 = ACRYLIC WASHINGTON POSTLITE STANDARD

LED PERFORMANCE PACKAGE (SEE PERFORMANCE TABLE FOR DETAILS)
P10 = AS=26W / AH=33W
P20 = AS=39W / AH=49W
P30 = AS=60W / AH=68W
P40 = AS=81W / AH=90W

COLOR TEMPERATURE
30K = 3000 K CCT
40K = 4000 K CCT
50K = 5000 K CCT

VOLTAGE
AS = AUTO-SENSING VOLTAGE (120 THRU 277 V)
AH[1] = AUTO-SENSING VOLTAGE (347 THRU 480 V)

HOUSING
A = ARCADIAN STYLE CASTING FOR USE WITH 7" POST CAPITAL
C = CONVEX STYLE CASTING FOR USE WITH 7" POST CAPITAL
F = FLUTED STYLE CASTING FOR USE WITH 7" POST CAPITAL
L = LEAF STYLE CASTING FOR USE WITH 3"Ø TENON
S = SIMPLE STYLE CASTING FOR USE WITH 3"Ø TENON

HOUSING COLORS
BK = BLACK
BZ = BRONZE
GH = GRAPHITE
GN = GREEN
GR = GREY
PP = PRIME PAINT
WH = WHITE
CMC = CUSTOM MATCH COLOR
TDC = TIGER DRYLAC COLOR (RALxxx)
XX = STD FINISH, TBD

OPTICS (REFER TO OPTICS TABLE FOR RESTRICTIONS)
3 = IES TYPE III DISTRIBUTION
5 = IES TYPE V DISTRIBUTION
6 = IES TYPE III LUNAR OPTIC
8 = IES TYPE V LUNAR OPTIC

TRIM
N = NO TRIM
D = FULL COVER WITH MEDALLIONS AND BAND
F = FULL COVERS ONLY
M = MEDALLIONS AND BAND
RBM = RIBS, BANDS AND MEDALLIONS WITH UA OPTION
FRBM = FULL COVER, RIBS, BANDS AND MEDALLIONS WITH UA OPTION

FINIAL
B = BALL
C = CLEAR
E = EAGLE
F = FLOWER
K = KNURLED CAP
P = PAWN
R = CROSS
S = STANDARD
T = ROM CROSS

TRIM/FINIAL COLORS
BK = BLACK
BZ = BRONZE
GL = GOLD
GH = GRAPHITE
GN = GREEN
GR = GREY
PP = PRIME PAINT
WH = WHITE
CMC = CUSTOM MATCH COLOR
TDC = TIGER DRYLAC COLOR (RALxxx)
XX = STD FINISH, TBD
U[2] = NO TRIM & CLEAR FINIAL

OPTIONS

CONTROL OPTIONS
AO[3] = FIELD ADJUSTABLE OUTPUT
FPDxx[4] = FACTORY PROGRAMMED DRIVER (xx = % OF LUMENS OR WATTS)
PND12[5] = 0-10V PART-NIGHT DIMMING, INCLUDES BLC2 & 120V BUTTON PHOTOCONTROL
PND202427[6] = 0-10V PART-NIGHT DIMMING, INCLUDES BLC2 & 208 - 277V BUTTON PHOTOCONTROL

OPTIC OPTIONS
TB[7] = BLACK TOP REFLECTOR AND CAP

NEMA WATTAGE LABEL OPTIONS
NL1X1 = 1 X 1 NEMA LABEL
NL2X2 = 2 X 2 NEMA LABEL

PREWIRE LEAD OPTIONS
L1H = 1.5 FEET OF PREWIRED LEADS
L03 = 3 FEET OF PREWIRED LEADS
L10 = 10 FEET OF PREWIRED LEADS
L20 = 20 FEET OF PREWIRED LEADS
L25 = 25 FEET OF PREWIRED LEADS
L30 = 30 FEET OF PREWIRED LEADS

SHIPPING OPTIONS
UA = OPTIC AND HOUSING SHIPS ATTACHED IN ONE CARTON

ACCESSORIES

DECORATIVE BAND OPTIONS
RBMX = RIBS AND BAND KIT, FIELD INSTALLED (INSERT TRIM FINISH FOR X)

HOUSE SIDE SHIELD OPTIONS
GVDHSS90[8] = HOUSE SIDE SHIELD SOLID 90 DEGREE
GVDHSS12[8] = HOUSE SIDE SHIELD SOLID 120 DEGREE
GVDHSS18[8] = HOUSE SIDE SHIELD SOLID 180 DEGREE
GVDHSL90[9] = HOUSE SIDE SHIELD SOLID 90 DEGREE (LUNAR)
GVDHSL12[9] = HOUSE SIDE SHIELD SOLID 120 DEGREE (LUNAR)
GVDHSL18[9] = HOUSE SIDE SHIELD SOLID 180 DEGREE (LUNAR)

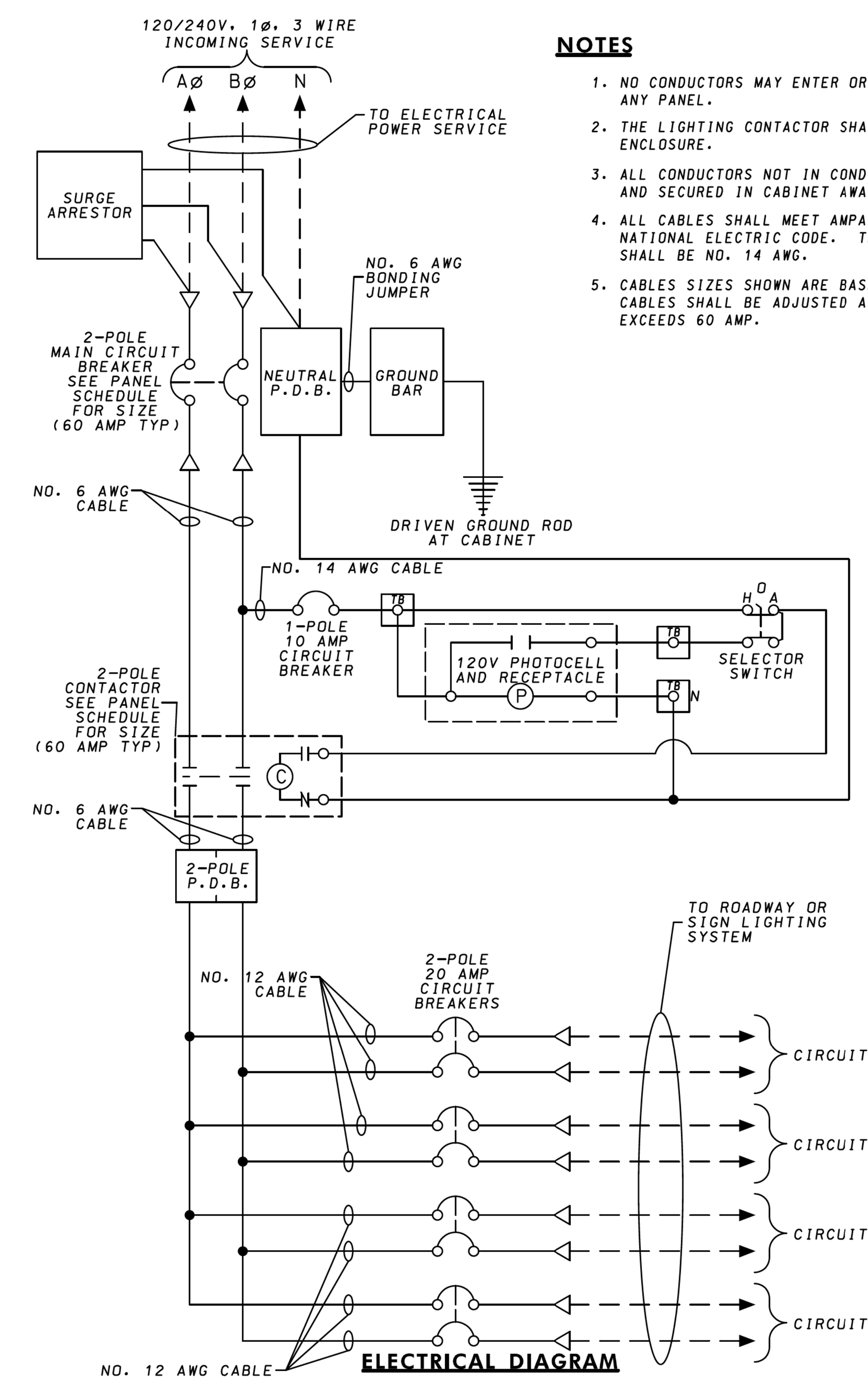
PHOTOCONTROL OPTIONS
GVD12X[10] = BUTTON STYLE PHOTOCONTROL KIT WITH 120V DTL PHOTOCELL (INSERT FINISH FOR X)
GVD27X[10] = BUTTON STYLE PHOTOCONTROL KIT WITH 208 - 277V DTL PHOTOCELL (INSERT FINISH FOR X)
GVD34X[10] = BUTTON STYLE PHOTOCONTROL KIT WITH 347V PHOTOCELL (INSERT FINISH FOR X)

DECORATIVE ADAPTER OPTIONS
GV1A73X[11] = 3" TO 7" POST CAPITAL. CONVERTS 3" POST TENON TO FLARED 7" POST CAPITAL. FIELD INSTALLED (INSERT FINISH FOR X)

NOTES ARE LOCATED ON PAGE 3

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

ORDER #:
TYPE:
DRAWN: RAF
DATE: 04-03-2017
DWG #: LUM_AWDE2S
1 of 4



NOTES

1. NO CONDUCTORS MAY ENTER OR EXIT THROUGH THE REAR OF ANY PANEL.
2. THE LIGHTING CONTACTOR SHALL BE IN A PROPERLY SIZED ENCLOSURE.
3. ALL CONDUCTORS NOT IN CONDUIT SHALL BE BUNDLED OR WRAPPED AND SECURED IN CABINET AWAY FROM SHARP EDGES.
4. ALL CABLES SHALL MEET AMPACITY REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. THE MINIMUM CABLE SIZE SHALL BE NO. 14 AWG.
5. CABLES SIZES SHOWN ARE BASED ON A 60 AMP CABINET SIZE. CABLES SHALL BE ADJUSTED AS NECESSARY IF MAIN BREAKER EXCEEDS 60 AMP.

SPECIFICATION | CATEGORY CODE ITEMS

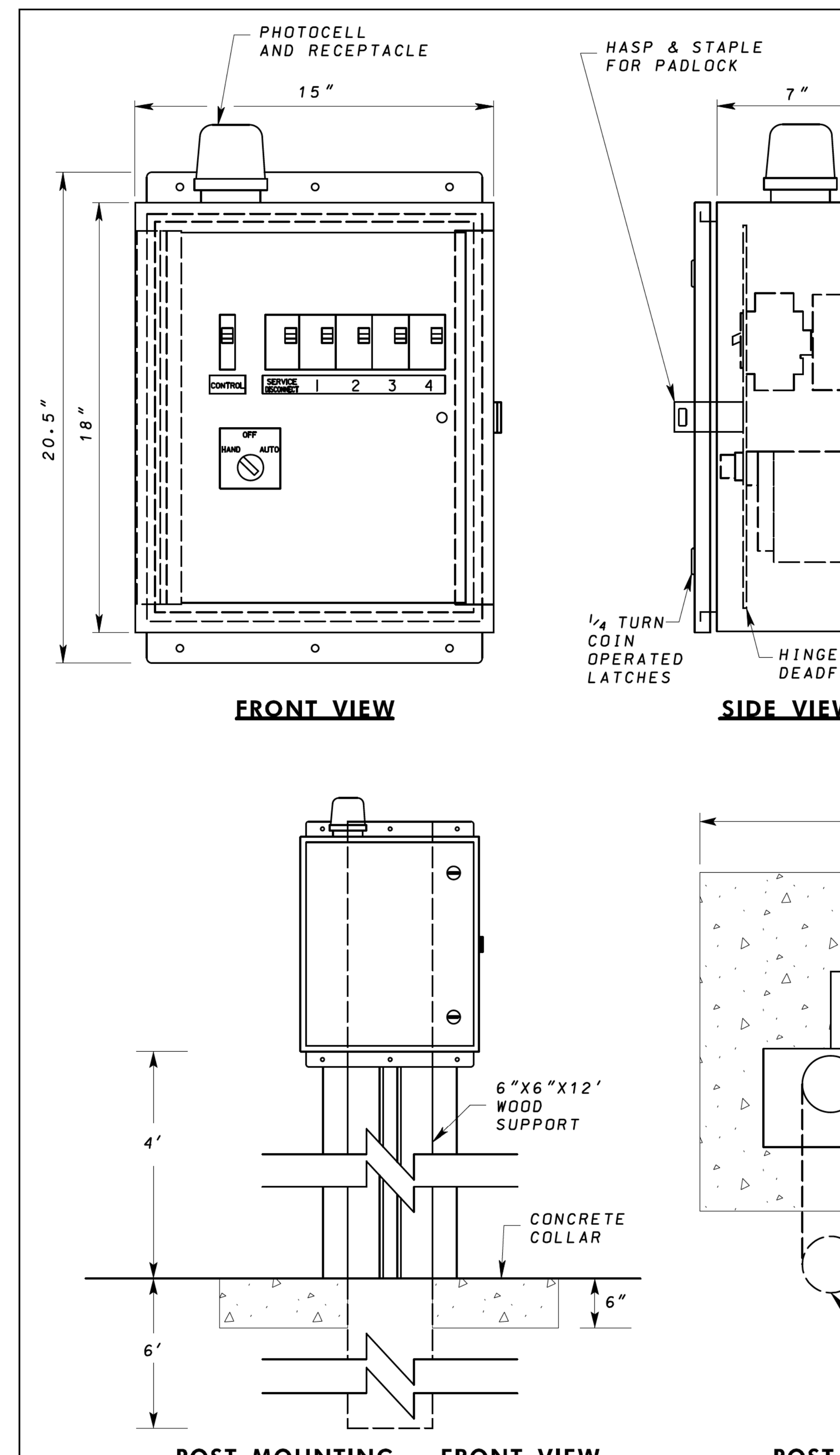
APPROVED [illegible]
DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

SHA StateHighway Administration

APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
APPROVAL 5-15-17	APPROVAL 3-24-17
REVISED	REVISED
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
REMOTE LIGHTING CONTROL CABINET
120/240 VOLT SYSTEM
240 VOLTS LUMINAIRE OPERATION

STANDARD NO. MD 807.05



NOTES

1. CABINET ENCLOSURE SHALL BE NEMA 4X AND SHALL BE STAINLESS STEEL WITH GASKETED DOOR.
2. BACKPAN AND DEADFRONT DOOR SHALL BE ALUMINUM.
3. THE CONTRACTOR SHALL INSTALL CONDUIT HUBS TO MATCH THE NEMA 4X DESIGNATION.
4. FOR POLE MOUNTING, TWO SETS OF STAINLESS STEEL BANDS SHALL BE USED TO MOUNT THE CABINET.
5. IF CABINET IS NOT LOCATED WITHIN APPROXIMATELY 50 FT OF SERVICE DISCONNECT POINT, A DISCONNECT SWITCH SHOULD BE INSTALLED AT CABINET LOCATION.

SPECIFICATION | CATEGORY CODE ITEMS

APPROVED [illegible]
DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

SHA StateHighway Administration

APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
APPROVAL 5-15-17	APPROVAL 3-24-17
REVISED	REVISED
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

REMOTE LIGHTING CONTROL CABINET

STANDARD NO. MD 807.04

NOTES FOR LUMINAIRE:

1. LUMINAIRE TO BE WASHINGTON GLOBE STYLE LED LUMINAIRE.

STATE OF MARYLAND
GERARD ADAMS BAXTER
No. 33928
PROFESSIONAL ENGINEER
8/29/19

PROFESSIONAL CERTIFICATION

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GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING DETAILS

SCALE NONE | ADVERTISED DATE N/A | CONTRACT NO.

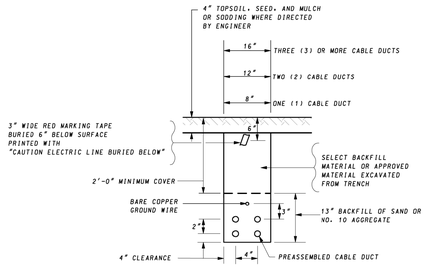
DESIGNED BY AHB | COUNTY MONTGOMERY COUNTY
DRAWN BY AHB | LOGMILE
CHECKED BY GAB
DPS PERMIT

DRAWING NO. **DE-01** OF **02** | SHEET NO. 32 OF 46

JMT®

BY: abortkiewicz –

PLOTTED: Thursday, August 22, 2019 AT 03:39 PM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDE_Montgomery_Village.dgn



SECTION VIEW

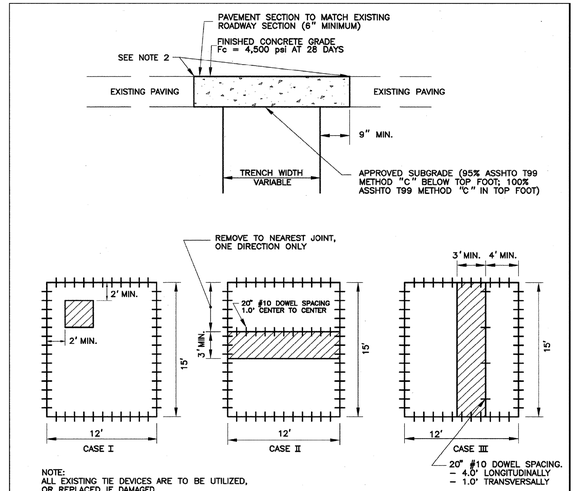
SPECIFICATION 809	CATEGORY CODE ITEMS
APPROVED	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY

SHA	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 7-1-94	APPROVAL 7-1-94
	REVISED 5-17-07	REVISED 5-2-07
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

LIGHTING TRENCHING DETAILS

STANDARD NO. MD 809.01



NOTE:
ALL EXISTING TIE DEVICES ARE TO BE UTILIZED, OR REPLACED IF DAMAGED.

GENERAL NOTES

1. REFER TO M.C.D.O.T. UTILITY PATCH SPECIFICATIONS FOR MATERIALS AND METHODS OF CONSTRUCTION.
2. EXISTING PAVEMENT MUST BE SAW CUT FULL DEPTH PRIOR TO EXCAVATION.
3. IF THE CONCRETE ROADWAY IS OVERLAYED WITH BITUMINOUS CONCRETE, A BITUMINOUS CONCRETE SURFACE COURSE SHALL BE PLACED EQUAL IN THICKNESS TO THE EXISTING BITUMINOUS CONCRETE OVERLAY.
4. SEE CASES 1, 2, AND 3 FOR JOINT PATTERN.

APPROVED JAN 5/95
DATE
DIRECTOR, DEPT. OF TRANS.
CHIEF, DIV. OF ENG. SERVICES

REVISED

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION

UTILITY PATCH IN RIGID PAVEMENT

STANDARD NO. MC-801.01

LIGHTING - GENERAL NOTES

1. CENTER OF CABLE TRENCH SHALL BE 3' BEHIND THE CENTER OF LIGHTING STRUCTURES UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
2. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN CASE OF DAMAGE TO AN EXISTING FACILITY.
3. THE CONTRACTOR SHALL REPLACE ALL CONCRETE GUTTERS, FLUMES, UNDERDRAINS AND OTHER CONCRETE STRUCTURES DAMAGED OR REMOVED DURING THE INSTALLATION OF FOUNDATIONS AND CABLE.
4. LIGHTING STRUCTURES SHALL NOT BE PLACED ON THE ROADWAY SIDE OF EXISTING OR PROPOSED TRAFFIC BARRIER W BEAM OR CONCRETE TRAFFIC BARRIER WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
5. ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CABLE SHALL BE BY EXOTHERMIC WELD.
6. CONDUCTORS SHALL NOT BE SPLICED EXCEPT IN STRUCTURES, MANHOLES AND PULL OR JUNCTION BOXES. ALL MANHOLES, CONDUITS UNDER PAVEMENTS, LIGHTING STRUCTURES, ETC. SHALL BE STAKED OUT AND EVERY LOCATION APPROVED BY THE ENGINEER BEFORE ANY WORK IS DONE.
7. ALL DRIVEN CONDUIT SHALL BE PLACED UNDER PAVEMENT BY DIRECTIONAL BORING OR JACKING.
8. UPON RECEIVING NOTICE TO PROCEED, THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL UTILITY COMPANY, THE PROJECT ENGINEER AND THE TRAFFIC OPERATIONS DIVISION TO INSURE THAT POWER IS AVAILABLE WHEN REQUIRED.
9. ALL LIGHTING STRUCTURES NOT PROTECTED BY TRAFFIC BARRIER SHALL BE ON BREAKAWAY BASES.
10. ALL TRENCHING MUST BE BACKFILLED AND RESTORED TO ITS ORIGINAL CONDITION ON THE SAME WORKING DAY ON WHICH IT WAS OPENED. AREAS WHICH ARE NOT RESEEDED, MULCHED OR SODDED MUST BE COVERED TO PREVENT EROSION. ALL SOIL NOT USED FOR BACKFILL MUST BE REMOVED ON THE SAME WORKING DAY.
11. ALL SOIL REMOVED FOR HANDBOXES, FOUNDATIONS, ETC. MUST BE COVERED TO PREVENT EROSION. SOIL NOT USED FOR BACKFILL MUST BE DISPOSED OF TO THE ENGINEER'S SATISFACTION ON THE SAME WORKING DAY THE BACKFILL IS COMPLETED.

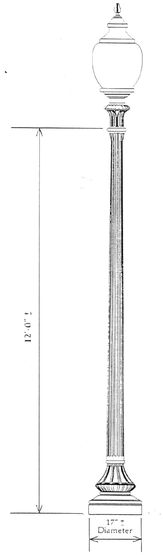
SPECIFICATION	CATEGORY CODE ITEMS
APPROVED	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY

SHA	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 7-1-94	APPROVAL 7-1-94
	REVISED 5-17-07	REVISED 5-2-07
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

LIGHTING GENERAL NOTES

STANDARD NO. MD 800.01-05



DECORATIVE (RESIDENTIAL) LAMP POST

NOTES FOR DECORATIVE LAMP POST:

1. LAMP POST TO MATCH MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION TRAFFIC AND ENGINEERING OPERATIONS DECORATIVE (RESIDENTIAL) LAMP POST.
2. PROPOSED LAMP POST IDENTIFIED IN THE 800 STREETLIGHT SPECIFICATION COMPLIES WITH MONTGOMERY COUNTY WIND LOAD STANDARDS.

STATE OF MARYLAND
GERARD ADAMS BAXTER
NO. 33928
PROFESSIONAL ENGINEER
8/23/19

JMT

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

LIGHTING DETAILS

SCALE NTS ADVERTISED DATE N/A CONTRACT NO.

DESIGNED BY AHB
DRAWN BY AHB
CHECKED BY GAB
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **DE-02** OF **02**

SHEET NO. 33 OF 46

BY: abortkiewicz -

PLOTTED: Thursday, August 22, 2019 AT 03:39 PM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\pDE_002-Montgomery_Village.dgn

SURVEY TRAVERSE POINTS				
POINT	NORTHING	EASTING	ELEVATION	TYPE
JMT 1	541835.2705	1256536.5927	440.47	NAIL
JMT 2	541964.4655	1256942.5013	452.26	R & C
JMT 3	542342.0698	1257136.8060	443.31	R & C

SURVEY NOTES:

1. THIS SURVEY WAS BASED ON A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON (JMT) IN OCTOBER 2018 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
2. COORDINATES ARE REFERENCED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83(2011) ZONE 1900 EPOCH 2010 AS DETERMINED BY GPS RTN (KeyNET) OBSERVATIONS IN OCTOBER 2018.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)(GEOID 12B) AS DETERMINED BY GPS RTN (KeyNET) OBSERVATIONS IN OCTOBER 2018.
4. ADDITIONAL SPOT ELEVATIONS RESIDE IN THE ELECTRONIC VERSION OF THIS DRAWING BUT ARE NOT PLOTTED HEREON.

SOUTH LAKE ELEMENTARY SCHOOL

SCHEDULE OF QUANTITIES – NON-HOA			
MDSHA CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	3
504584	SUPERPAVE ASPHALT MIX 25.0 MM FOR FULL-DEPTH PATCH, PG 64S-22, LEVEL 2	SY	15.8
549001	5 INCH WHITE PAVEMENT MARKING PAINT	LF	105
634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH	LF	70
655105	5 INCH CONCRETE SIDEWALK	SF	200
690134 (2)	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING (STA 8+10.17 TO STA 8+19.31)	LF	10
801605	SHEET ALUMINUM SIGNS	SF	9

BASELINE CONTROL COORDINATES					
CURVE	POINT	STATION	NORTHING	EASTING	BEARING
-	POB	0+00.00	541833.5621	1256561.3419	N 68°47' 46.39" E
-	PI	1+07.54	541872.4570	1256661.5991	N 87°10' 20.45" E
-	PI	1+33.77	541873.7509	1256687.7966	N 67°34' 23.85" E
	PI	1+61.04	541884.1574	1256713.0112	N 70°15' 12.77" E
GF-1	PC	3+32.45	541942.0688	1256874.3392	
	PI	3+77.29	541957.22	1256916.54	
	CC		541998.5406	1256854.0677	
	PT	4+09.46	542001.9804	1256913.9690	N 3°17' 11.85" W
	PI	4+25.41	542017.9033	1256913.0546	N 26°07' 34.29" E
	PI	4+97.29	542082.4374	1256944.7061	N 35°31' 08.89" E
	PI	5+47.18	542123.0469	1256973.6931	N 29°55' 42.29" E
	PI	5+52.23	542127.4189	1256976.2100	N 27°47' 37.95" E
	PI	5+87.50	542158.6185	1256992.6554	N 27°54' 44.82" E
	PI	6+22.71	542189.7356	1257009.1397	N 80°44' 25.45" E
	PI	6+45.13	542193.3435	1257031.2695	N 27°28' 16.28" E
	PI	7+98.62	542329.5196	1257102.0713	N 28°38' 40.37" E
	PI	8+09.74	542339.2863	1257107.4061	N 31°20' 40.12" E
	POE	8+20.67	542348.6153	1257113.0882	

NOTE: CONSTRUCTION BASELINE IS LOCATED ON INSIDE EDGE OF SIDEWALK.

CONSTRUCTION NOTES:

1. FOR REMOVAL OF EXISTING CURB AND GUTTER, CONTRACTOR SHALL SAW CUT APPROXIMATELY 2 FEET FROM THE EXISTING EDGE OF PAVING. REMOVED PAVEMENT SHALL BE REPLACED WITH FULL DEPTH PATCHING WITH INSTALLATION OF NEW CURB AND GUTTER. COST OF SAWCUT SHALL BE INCIDENTAL TO CLASS II EXCAVATION.
2. CONTRACTOR SHALL CLOSE SIDEWALK FOR DURATION OF SIDEWALK CONSTRUCTION.
3. DURING SIDEWALK CONSTRUCTION, THE CONTRACTOR SHALL INSTALL A BARRIER ACROSS THE FULL WIDTH OF THE SIDEWALK APPROACHING THE CLOSURE. THIS BARRIER SHOULD BE DETECTABLE BY A VISUALLY IMPAIRED INDIVIDUAL TRAVELING WITH THE AID OF A CANE.
4. THE CONTRACTOR SHALL MAINTAIN AND PROVIDE ACCESS TO ALL SIDEWALKS AND PEDESTRIAN RAMPS DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR APPROVAL TO MAINTAIN AND PROVIDE PEDESTRIAN TRAFFIC DURING CONSTRUCTION.

PEDESTRIAN MOT LEGEND:

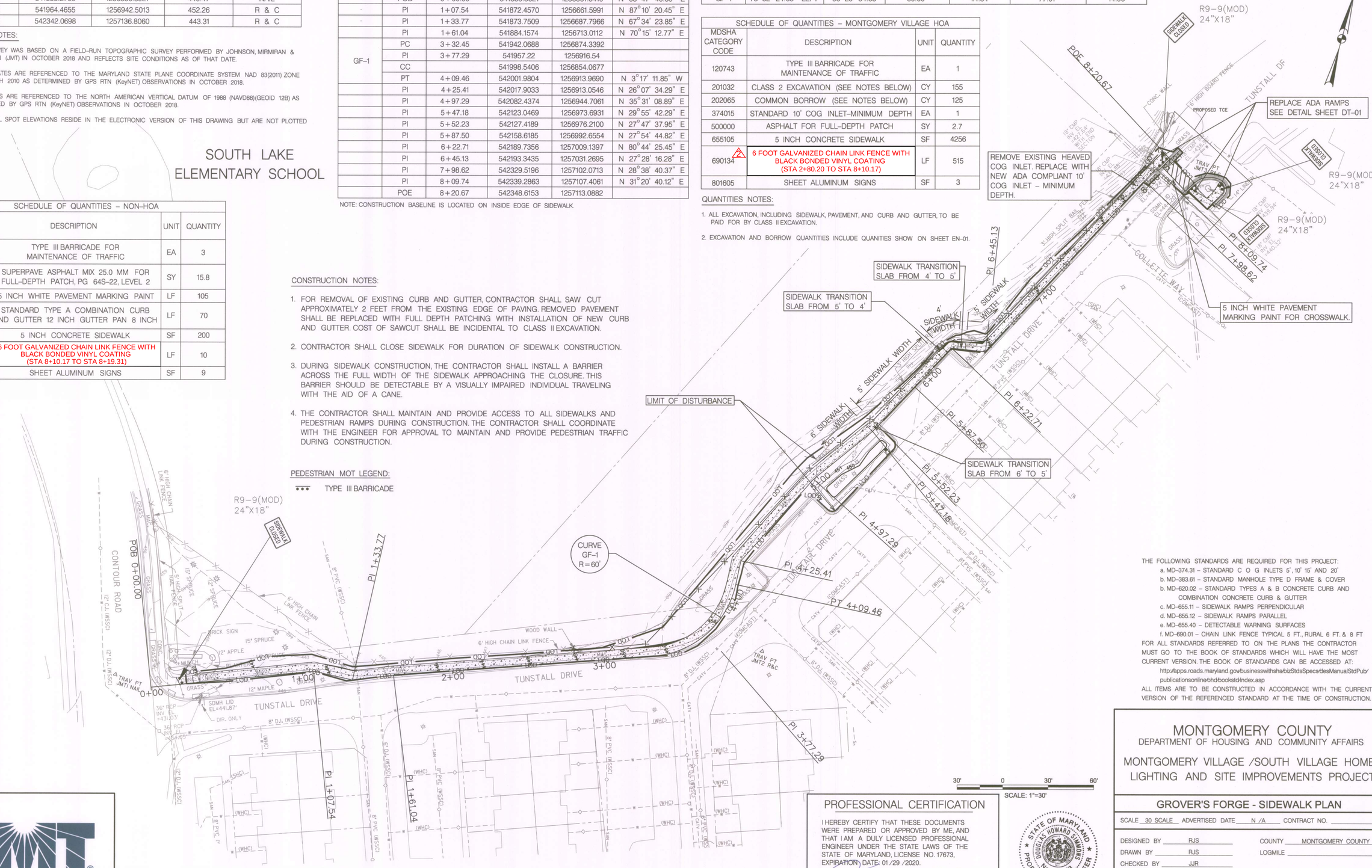
••• TYPE III BARRICADE

CURVE DATA						
NAME	DELTA	DC	RADIUS	TANGENT	LENGTH	EXTERNAL
GF-1	73°32' 24.63" LEFT	95°29' 34.68"	60.00'	44.84'	77.01'	14.90'

SCHEDULE OF QUANTITIES – MONTGOMERY VILLAGE HOA			
MDSHA CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	1
201032	CLASS 2 EXCAVATION (SEE NOTES BELOW)	CY	155
202065	COMMON BORROW (SEE NOTES BELOW)	CY	125
374015	STANDARD 10' COG INLET-MINIMUM DEPTH	EA	1
500000	ASPHALT FOR FULL-DEPTH PATCH	SY	2.7
655105	5 INCH CONCRETE SIDEWALK	SF	4256
690134 (2)	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING (STA 2+80.20 TO STA 8+10.17)	LF	515
801605	SHEET ALUMINUM SIGNS	SF	3

QUANTITIES NOTES:

1. ALL EXCAVATION, INCLUDING SIDEWALK, PAVEMENT, AND CURB AND GUTTER, TO BE PAID FOR BY CLASS II EXCAVATION.
2. EXCAVATION AND BORROW QUANTITIES INCLUDE QUANITIES SHOW ON SHEET EN-01.



THE FOLLOWING STANDARDS ARE REQUIRED FOR THIS PROJECT:

a. MD-374.31 – STANDARD C O G INLETS 5', 10' 15' AND 20'
b. MD-383.61 – STANDARD MANHOLE TYPE D FRAME & COVER
b. MD-620.02 – STANDARD TYPES A & B CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
c. MD-655.11 – SIDEWALK RAMPS PERPENDICULAR
d. MD-655.12 – SIDEWALK RAMPS PARALLEL
e. MD-655.40 – DETECTABLE WARNING SURFACES
f. MD-690.01 – CHAIN LINK FENCE TYPICAL 5 FT., RURAL 6 FT. & 8 FT

FOR ALL STANDARDS REFERRED TO ON THE PLANS THE CONTRACTOR MUST GO TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED AT:
http://apps.roads.maryland.gov/businesswithsha/bizStdsSpecs/desManualStdPub/publicationsonline/bhdbookstd/index.asp
ALL ITEMS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VERSION OF THE REFERENCED STANDARD AT THE TIME OF CONSTRUCTION.

30' 0 30' 60'
SCALE: 1"=30'

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

6/25/19
DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

JMT

BY: Stratmeyer –

PLOTTED: Friday, May 24, 2019 AT 02:07 PM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mHD-Baseline.dgn

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - SIDEWALK PLAN

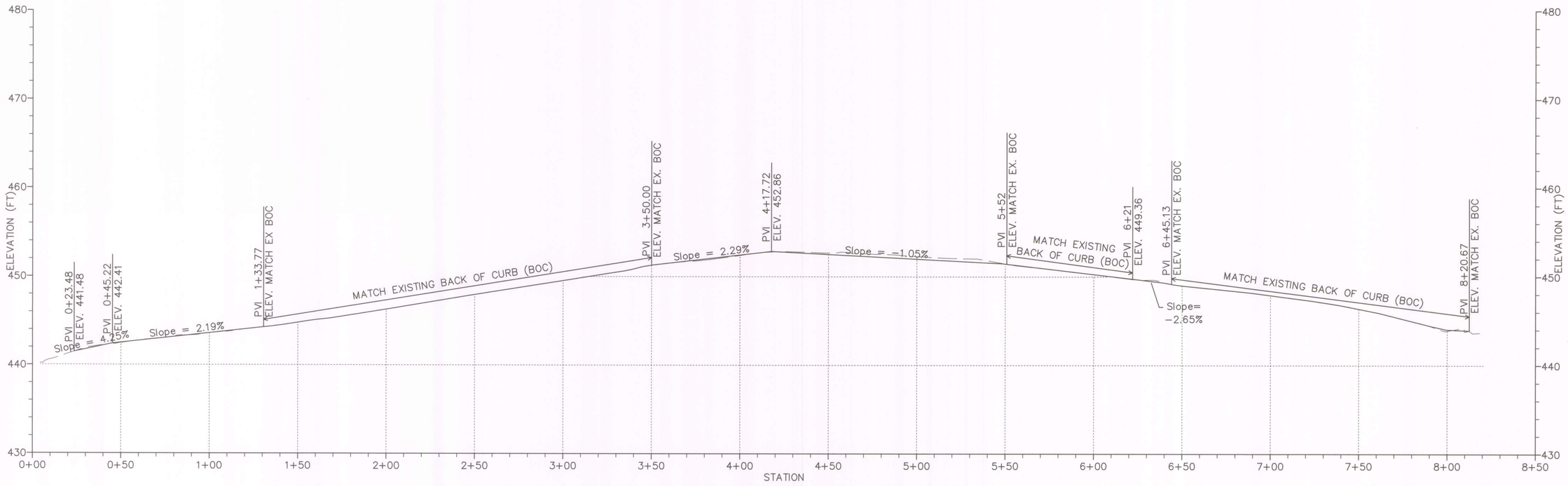
SCALE 30 SCALE ADVERTISED DATE N/A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **PS - 01** OF **01**

SHEET NO. 34 OF 46



Sidewalk

5' 0 5' 10'
VERTICAL SCALE: 1"=5'

30' 0 30' 60'
HORIZONTAL SCALE: 1"=30'

BY: Stratmeyer

PLOTTED: Thursday, May 23, 2019 AT 08:56 AM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pHP_MontVillage_001.dgn

JMT

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

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6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - SIDEWALK PROFILE

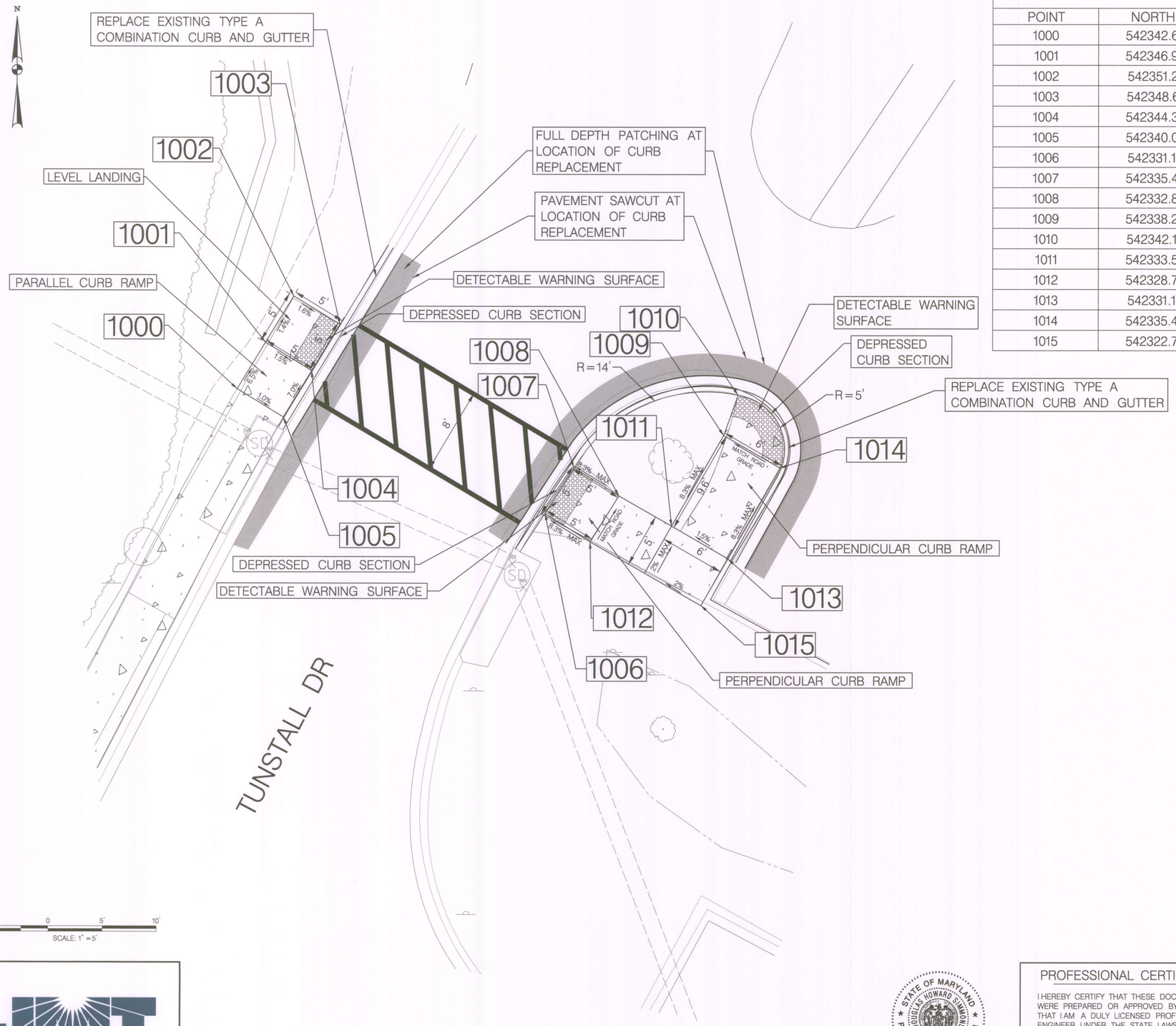
SCALE 30 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **HP-01** OF **01**

SHEET NO. 35 OF 46



ADA RAMP CALLOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	NOTE
1000	542342.6772	1257103.6137	443.92	
1001	542346.9467	1257106.2158	443.60	LEVEL LANDING
1002	542351.2162	1257108.8179	443.53	LEVEL LANDING
1003	542348.6143	1257113.0871	MATCH EXISTING (443.96)	LEVEL LANDING
1004	542344.3448	1257110.4850	443.52	LEVEL LANDING
1005	542340.0752	1257107.8829	MATCH EXISTING (443.87)	
1006	542331.1746	1257131.7881	MATCH EXISTING (443.54)	
1007	542335.4593	1257134.7055	MATCH EXISTING (443.39)	
1008	542332.8564	1257138.8692	443.84	
1009	542338.2798	1257148.7932	443.42	LEVEL LANDING
1010	542342.1479	1257149.8585	MATCH EXISTING (443.34)	LEVEL LANDING
1011	542333.5606	1257146.9695	444.22	
1012	542328.7676	1257136.2354	444.01	
1013	542331.1034	1257151.2407	MATCH EXISTING (444.28)	LEVEL LANDING
1014	542335.4374	1257153.7340	MATCH EXISTING (443.57)	LEVEL LANDING
1015	542322.7729	1257146.4483	444.38	LEVEL LANDING

SCHEDULE OF QUANTITIES – NON-HOA			
MDSHA CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS	SF	35

JMT

PROFESSIONAL CERTIFICATION

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6/25/19
DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - SIDEWALK DETAILS

SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

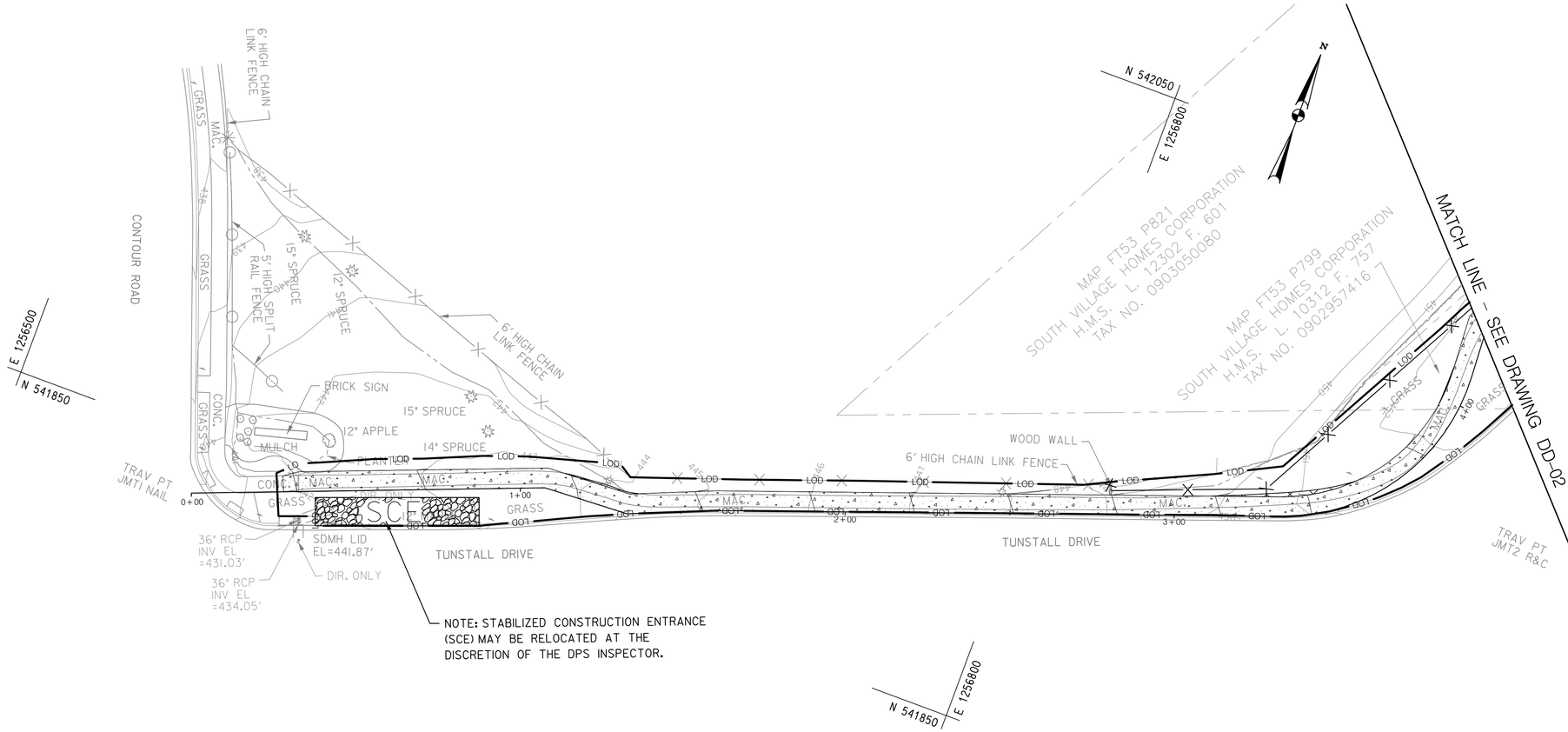
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. DT - 01 OF 01

SHEET NO. 36 OF 46

BY: Stratmeyer –

PLOTTED: Friday, May 24, 2019 AT 02:07 PM
FILE: Q:\2013\130707_003_Montgomery_Village_\CADD\pDE_003-Montgomery_Village.dgn



SEDIMENT CONTROL NOTES:

1. WORK IS TO BE DONE AS A CUT AND COVER OPERATION. ONLY DISTURB WHAT CAN BE STABILIZED AT THE END OF EACH WORK DAY. ADEQUATE SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AS NEEDED AT THE END OF EACH WORK DAY.
2. ANY SEDIMENT TRACKED ONTO THE ROADWAY SHALL BE PROMPTLY REMOVED.
3. SILT FENCE OR OTHER SEDIMENT CONTROL MEASURES ARE TO BE ADDED, REMOVED, OR RELOCATED BY THE DPS INSPECTOR AS SITE GRADING PROGRESSES.

LEGEND

- 5 INCH CONCRETE SIDEWALK
- FULL DEPTH ASPHALT PAVING
- GRINDING & ASPHALT RESURFACING
- SIDEWALK REMOVAL
- DETECTABLE WARNING SURFACE
- PROPOSED FENCE
- 450 PROPOSED CONTOURS

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

RJM ENGINEERING

BY: kevin -

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

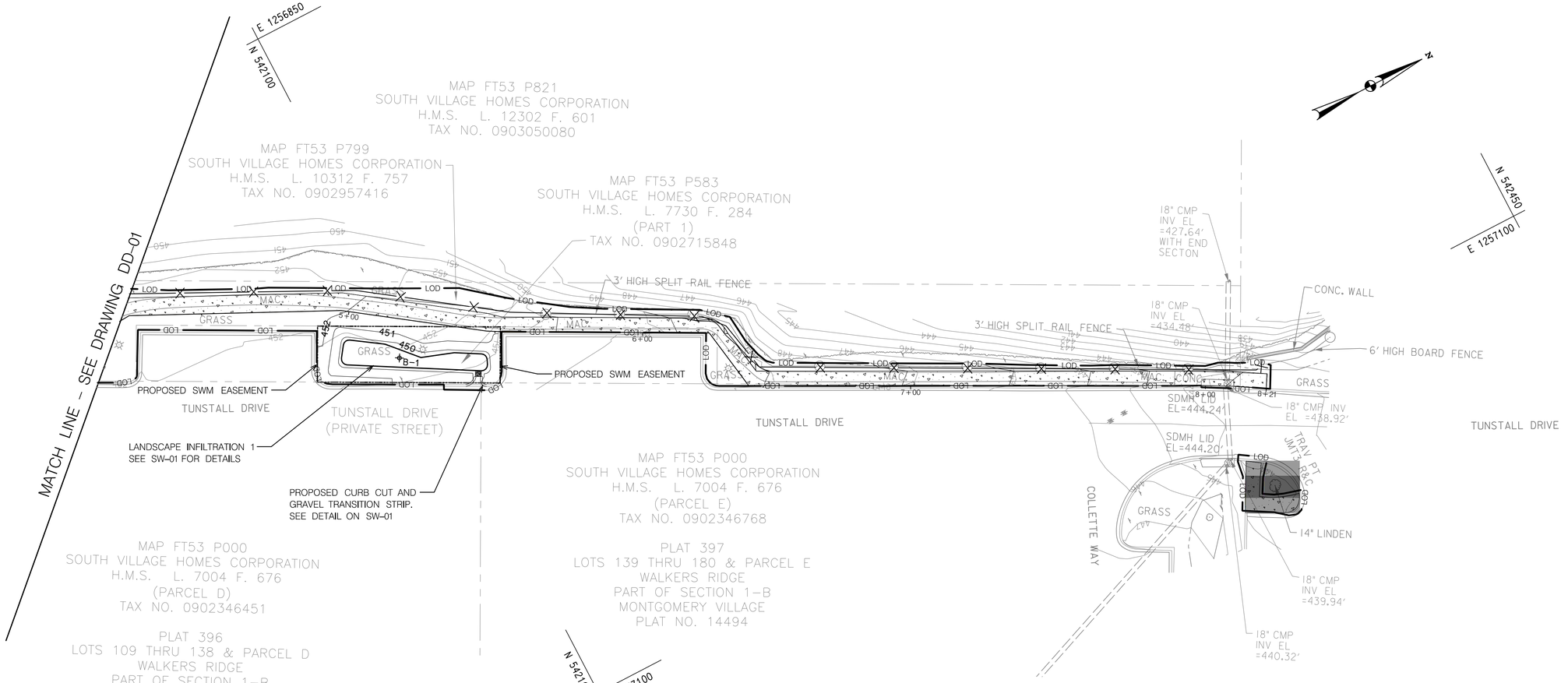
GROVER'S FORGE - GRADING AND DRAINAGE

SCALE 1" = 20' ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY JB
DRAWN BY JB
CHECKED BY KS
DPS PERMIT 284408
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. DD - 01 OF 02
SHEET NO. 37 OF 46

PLOTTED: Wednesday, October 30, 2019 AT 09:18 AM
FILE: P:\MoCo\DHCA Montgomery Village\00_Working\pDD-P001_MONT VILLAGE.dgn



SEDIMENT CONTROL NOTES:

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LEGEND

- 5 INCH CONCRETE SIDEWALK
- FULL DEPTH ASPHALT PAVING
- GRINDING & ASPHALT RESURFACING
- SIDEWALK REMOVAL
- DETECTABLE WARNING SURFACE
- PROPOSED FENCE
- B-1 SOIL BORING
- 450 PROPOSED CONTOURS

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

RJM ENGINEERING

BY: kevin -

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

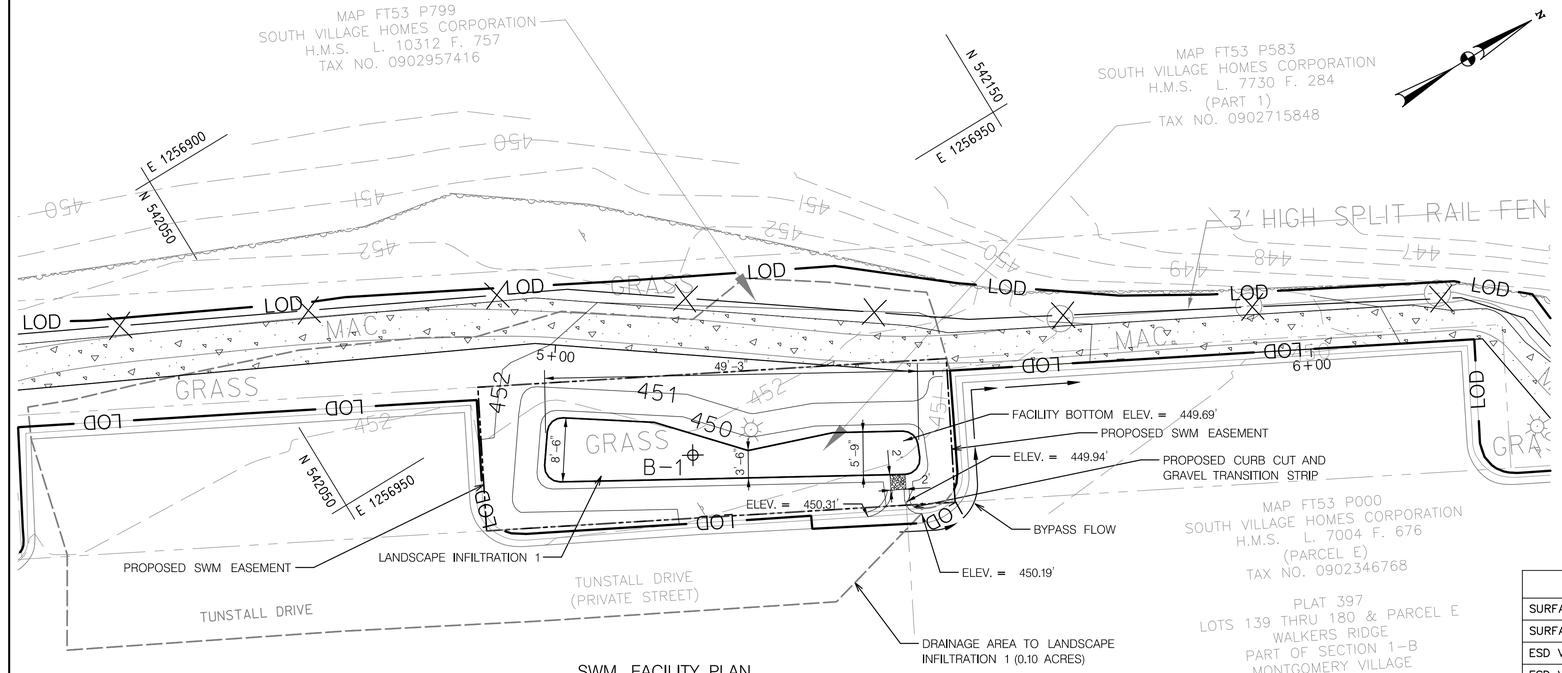
GROVER'S FORGE - GRADING AND DRAINAGE

SCALE 1" = 20' ADVERTISED DATE TBD CONTRACT NO.

DESIGNED BY JB
DRAWN BY JB
CHECKED BY KS
DPS PERMIT 284408
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. DD - 02 OF 02
SHEET NO. 38 OF 46

PLOTTED: Tuesday, November 12, 2019 AT 11:25 AM
FILE: P:\MoCo\DHCA Montgomery Village\00_Working\pDD-P002_MONT VILLAGE.dgn



SWM FACILITY PLAN
1" = 10'

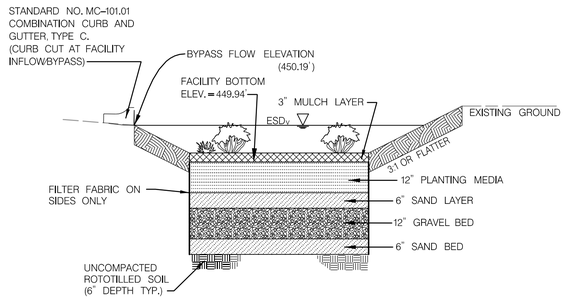
CONSTRUCTION INSPECTION
CHECK-OFF LIST FOR LANDSCAPE INFILTRATION

STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 240-777-0311). The DPS inspector may waive an inspection, and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. **Upon completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead.** Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
1. Excavation to subgrade conforms to approved plans		
2. Placement of backfill and observation well conforms to approved plans		
3. Placement of filter fabric, soil, and gravel media conforms to approved plans		
4. Construction of appurtenant conveyance structures conforms to approved plans		
5. Final grading and establishment of permanent stabilization conforms to approved plans		

TOTAL NUMBER OF LANDSCAPE INFILTRATION AREAS INSTALLED PER THIS PERMIT:

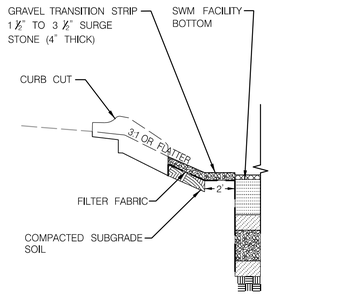
APPROVED _____ **CONSTRUCTED** _____

LANDSCAPE INFILTRATION 1	
SURFACE AREA REQUIRED (SF)	300
SURFACE AREA PROVIDED (SF)	
ESD VOLUME REQUIRED (CF)	510
ESD VOLUME PROVIDED (CF)	



LANDSCAPE INFILTRATION
TYPICAL CROSS SECTION

NOT TO SCALE



CURB CUT – TYPICAL STABILIZATION DETAIL

NOT TO SCALE

NOTES:
1. USE MIRAFI 140N FILTER CLOTH OR APPROVED EQUIVALENT ON SIDES ONLY.
2. BOTTOM EXCAVATION IS TO BE NATURAL UNCOMPACTED EARTH.
3. SCARIFY THE BOTTOM OF THE FACILITY BEFORE PLACING THE BOTTOM SAND LAYER.
4. GRAVEL BED SHALL BE WASHED NO. 7 STONE
5. REFER TO LANDSCAPING PLAN FOR PLANTINGS.

LANDSCAPE INFILTRATION
SEQUENCE OF CONSTUCTION

1. PROTECT THE FACILITY FROM RECEIVING RUNOFF UNTIL THE INSTALLATION IS COMPLETE AND SURROUNDING AREAS HAVE BEEN STABILIZED (IF THE CURB CUT IS INSTALLED PRIOR TO COMPLETION OF THE FACILITY, INSTALL A SANDBAG DIVERSION TO DIVERT FLOW ALONG THE CURB AND GUTTER AS IT DOES UNDER EXISTING CONDITIONS.)
2. EXCAVATE THE FILTER BED AREA. ROTOTILL THE TOP 6 INCHES OF SUBGRADE SOIL.
3. INSTALL THE BOTTOM SAND BED LAYER, GRAVEL LAYER, AND UPPER SAND BED LAYER.
4. INSTALL THE PLANTING MEDIA.
5. INSTALL THE PLANTS AND MULCH LAYER ON TEH FACILITY SURFACE AS INDICATED ON THE LANDSCAPING PLANS.

10' 0 10' 20'
SCALE: 1" = 10'

DEPARTMENT OF PERMITTING SERVICES

Marc Elrich
County Executive

Diane R. Schwartz Jones
Director

January 28, 2019

Mr. Keith Schiefer
RJM Engineering, Inc.
6031 University Boulevard, Suite 290
Ellicott City, Md 21043

Re: **COMBINED STORMWATER MANAGEMENT CONCEPT/*SITE DEVELOPMENT STORMWATER MANAGEMENT PLAN*** for
South Village Sidewalk
Preliminary Plan #: N/A
SM File #: 284408
Tract Size/Zone: 1.43/R-20
Total Concept Area: .27ac
Lots/Block: N/A
Parcel(s): A
Watershed: Great Seneca Creek

Dear: Mr. Schiefer,

Based on a review by the Department of Permitting Services Review Staff, the stormwater management concept for the above-mentioned site is **acceptable**. The stormwater management concept proposes to meet required stormwater management goals via the use of landscape infiltration.

The following items will need to be addressed during the detailed sediment control/stormwater management plan stage:

1. A detailed review of the stormwater management computations will occur at the time of detailed plan review.
2. An engineered sediment control plan must be submitted for this development.
3. All filtration media for manufactured best management practices, whether for new development or redevelopment, must consist of MDE approved material.
4. A stormwater management waiver fee will **not** be required for this community improvement project. The stormwater management volume provided exceeds the volume that would be required for the net increase of impervious area.

This list may not be all-inclusive and may change based on available information at the time.

This letter must appear on the sediment control/stormwater management plan at its initial submittal. The concept approval is based on all stormwater management structures being located outside of the Public Utility Easement, the Public Improvement Easement, and the Public Right of Way unless specifically approved on the concept plan. Any divergence from the information provided to this office; or additional information received during the development process; or a change in an applicable

255 Rockville Pike, 2nd Floor, Rockville, Maryland 20850 | 240-777-0311
www.montgomerycountymd.gov/permittingservices

SAND SPECIFICATIONS

Washed ASTM C33 Fine Aggregate ConcreteSand is utilized for stormwater management applications in Montgomery County. In addition to the ASTM C33 specification, sand must meet ALL of the following conditions:

1. Sand must meet gradation requirements for ASTM C-33 Fine Aggregate Concrete Sand. AASHTO M-6 gradation is also acceptable.
2. Sand must be silica based. No limestone based products may be used. If the material is white or gray in color, it is probably not acceptable.
3. Sand must be clean. Natural, unwashed sand deposits may not be used. Likewise, sand that has become contaminated by improper storage or installation practices will be rejected.
4. Manufactured sand or stone dust is not acceptable under any circumstance.

PLANTING MEDIA SPECIFICATIONS

The planting media shall be 24 inches thick and shall consist of 1/3 perlite or Solite, 1/3 compost and 1/3 topsoil.

1. The perlite shall be coarse grade horticultural perlite.
2. The compost shall be high grade compost free of stones and partially composted woody material.
3. The topsoil shall meet the following minimum criteria: contain no more than 10% clay, 10-25% silts and 60-75% sand. The soil shall be free of stones, stumps, roots or other similar objects larger than 2 inches.
4. The first layer of the planting medium shall be lightly tilled to mix it into the sand layer, so as not to create a definitive boundary.
5. The planting material shall be flooded after placement. Any settlement that occurs shall be filled back to the design elevation.

RJM ENGINEERING

BY: kevin –

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - STORMWATER MANAGEMENT PLAN

SCALE AS NOTED ADVERTISED DATE TBD CONTRACT NO. _____

DESIGNED BY JB COUNTY MONTGOMERY COUNTY
DRAWN BY JB LOGMILE _____
CHECKED BY KS
DPS PERMIT 284408

DRAWING NO. **SW-01** OF **01** SHEET NO. 39 OF 46

PLOTTED: Tuesday, November 12, 2019 AT 11:25 AM
FILE: P:\MoCo\DHCA Montgomery Village\00_Working\pSW-P001_MONT VILLAGE.dgn

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

STANDARD EROSION AND SEDIMENT CONTROL NOTES

1. The permittee shall notify the Department of Permitting Services (DPS) forty–eight (48) hours before commencing any land disturbing activity and, unless waived by the Department, shall be required to hold a pre–construction meeting between them or their representative, their engineer and an authorized representative of the Department.
2. The permittee must obtain inspection and approval by DPS at the following points:
   A. At the required pre–construction meeting.
   B. Following installation of sediment control measures and prior to any other land disturbing activity.
   C. During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
   D. Prior to removal or modification of any sediment control structure(s).
   E. Prior to final acceptance.
3. The permittee shall construct all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by the Department prior to beginning any other land disturbances, shall ensure that all runoff from disturbed areas is directed to the sediment control devices, and shall not remove any erosion or sediment control measure without prior permission from the Department.
4. The permittee shall protect all points of construction ingress and egress to prevent the deposition of materials onto traversed public thoroughfare(s). All materials deposited onto public thoroughfare(s) shall be removed immediately.
5. The permittee shall inspect periodically and maintain continuously in effective operating condition, all erosion and sediment control measures until such time as they are removed with prior permission from the Department. The permittee is responsible for immediately repairing or replacing any sediment control measures which have been damaged or removed by the permittee or any other person.
6. Following initial soil disturbance or re–disturbance, permanent or temporary stabilization must be completed within:
   a) Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
   b) Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

   All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must be performed as necessary to ensure continued stabilization.
7. The permittee shall apply sod, seed and anchored straw mulch, or other approved stabilization measures to all disturbed areas within seven (7) calendar days after stripping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas such as borrow or stockpile areas, roadway improvements, and areas within fifty (50) feet of a building under construction may be exempt from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those areas.
8. Prior to removal of sediment control measures, the permittee shall stabilize all contributory disturbed areas with required soil amendments and topsoil, using sod or an approved permanent seed mixture and an approved anchored mulch. Wood fiber mulch may only be used in seeding season when the slope does not exceed 10% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
9. The site permit, work, materials, approved SC/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
10. Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water down slope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
11. Permanent swales or other points of concentrated water flow shall be stabilized within 3 calendar days of establishment with sod or seed with an approved erosion control matting or by other approved stabilization measures.
12. Sediment control devices shall be removed, with permission of the Department, within thirty (30) calendar days following establishment of permanent stabilization in all contributory drainage areas. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
13. No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas or on residential lots. A slope gradient of up to 2:1 will be permitted in non– maintenance areas provided that those areas are indicated on the erosion and sediment control plan with a low–maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
14. The permittee shall install a splashblock at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.
15. For finished grading, the permittee shall provide adequate gradients so as to prevent water from standing on the surface of lawns more than twenty–four (24) hours after the end of a rainfall, except in designated drainage courses and swale flow areas, which may drain as long as forty–eight (48) hours after the end of a rainfall.
16. Sediment traps or basins are not permitted within 20 feet of a building which is existing or under construction. No building may be constructed within 20 feet of a sediment trap or basin.
17. All inlets in non–sump areas shall have asphalt berms installed at the time of base paving establishment.
18. The sediment control inspector has the option of requiring additional sediment control measures, as deemed necessary.
19. All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground.
20. Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
21. Sediment trap(s)/basin(s) shall be cleaned out and restored to the original dimensions when sediment has accumulated to the point of one–half (1/2) the wet storage depth of the trap/basin (1/4 the wet storage depth for ST–III) or when required by the sediment control inspector.
22. Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
23. All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42 inches high, have posts spaced no farther apart than 8 feet, have mesh openings no greater the two inches in width and four inches in height, with a minimum of 14 gauge wire. Safety fence must be maintained in good condition at all times.
24. No excavation in the areas of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1–800–257–7777, 48 hours prior to the start of work.
25. Off–site spoil or borrow areas must have prior approval by DPS.
26. Sediment trap/basin dewatering for cleanout or repair may only be done with the DPS inspector's permission. The inspector must approve the dewatering method for each application. The following methods may be considered:
   A. the pump discharge may be directed to another on–site sediment trap or basin, provided it is of sufficient volume and the pump intake is floated to prevent agitation or suction of deposited sediments; or
   B. the pump intake may utilize a Removable Pumping Station and must discharge into an undisturbed area through a non–erosive outlet; or
   C. the pump intake may be floated and discharge into a Dirt Bag (12 oz. non–woven fabric), or approved equivalent, located in an undisturbed buffer area.
   Remember: Dewatering operation and method must have prior approval by the DPS inspector.
27. The permittee must notify the Department of all utility construction activities within the permitted limits of disturbance prior to the commencement of those activities.
28. Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments".

STANDARD NOTES

1. The contractor will immediately inform the county of any discrepancies found between the project plans and contract specifications.
2. For construction, all horizontal control shall be NAD 83/2011 and vertical control NAVD 88.
3. Types of storm drain structures refer to the 'Design Standards' of Montgomery County Department of Transportation, unless otherwise noted.
4. Information concerning underground utilities was obtained from available records, The contractor must determine the exact location and elevations of the lines by digging test pits by hand at all utility crossings well in advance of trenching. If clearances are less than shown on this plan or six inches, whichever is less, the contractor shall contact the county.
5. Repairs to utilities or property damaged as a result of the contractor's negligence or method of operation must be made at the contractor's expense before proceeding with construction.
6. Call "Miss Utility" at 1–800–257–7777 fourty–eight (48) hours prior to beginning excavation to determine the exact location of existing utilities.
7. Clearing to be limited to the "limit of disturbance" as shown on the plans.
8. All grading shall be done in such a manner as to provide positive drainage.
9. Disturbed areas adjacent to established lawns shall be sodded. Other disturbed areas shall be seeded and mulched.
10. The contractor shall obtain a roadside tree permit for any maintenance, treatment, planting, removal or root cutting on trees within the public right–of–way before starting a job. Permit requirements may be obtained from the Department of Natural Resources – Maryland Forest, Park and Wildlife service whose telephone number is (301) 854–6060.
11. Contact the Washington Suburban Sanitary Commission system maintenance engineer before excavating beneath or in the vicinity of existing water or sewer lines. Backfill to be done under the supervision of W.S.S.C. call 301–699–4420.
12. Contact Washington gas dispatch officer at (703) 750–4831 before excavating beneath or in the vicinity of existing gas main and service laterals.
13. Prior to vegetative stabilization, all disturbed areas must be topsoiled per the Montgomery County "Standards and Specifications for topsoil".

STANDARD SEQUENCE OF CONSTRUCTION NOTES

1. Prior to clearing trees, installing sediment control measures, or grading, a preconstruction meeting must be conducted on–site with the Montgomery County Department of Permitting Services (MCDPS) sediment control inspector (240) 777–6210 (48 hours notice) and the MNCPPC, Planning Department, Plans Enforcement inspector (301) 495–4571 (48 hours notice), the Owners representative, and the site Engineer.
   In order for the meeting to occur, the applicant must provide one paper set of approved sediment control plans to the MCDPS sediment control inspector at the preconstruction meeting. If no plans are provided, the meeting shall not occur and will need to be rescheduled prior to commencing any work.
2. The limits of disturbance shall be field marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
3. The permittee must obtain written approval form the MNCPPC inspector, certifying that the limits of disturbance and tree protection measures are correctly marked and installed prior to commencing any clearing.
4. Clear and grade for installation of sediment control devices.
5. Install sediment control devices. Traps and basins shall be constructed prior to construction of any earth dikes that convey drainage to a trap and/or basin.
6. Once the sediment control devices are installed, the permittee must obtain written approval from the MCDPS inspector before proceeding with any additional clearing, grubbing or grading.

   NOTE 1: The permittee shall obtain written approval from MCDPS inspector, prior to the removal of any sediment control devices.

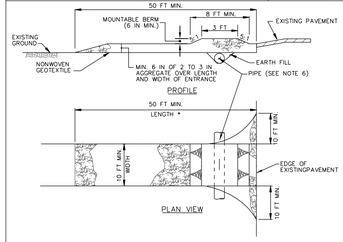
7. Following the completion of construction, obtain Stormwater Management As–Built Plan approval.

OFFSITE GRADING NOTE:
Offsite grading requires documentation of permission from owner (letter of permission on plan or recorded grading easement document submitted). Written approval for grading outside of the Right–of–Way shall be provided to the Inspector before construction is authorized to proceed.

STOCKPILE NOTE:
The Contractor shall establish staging and stockpile areas at locations approved by the Engineer. These areas shall be established such that environmentally sensitive areas are not impacted. Erosion sediment control measures such as silt fence shall be installed downgrade of the staging and stockpile areas and as directed by the Engineer, and diversions such as sandbags shall be placed upstream to prevent stormwater run–on from contacting the stockpile.

SITE INFORMATION		
DISTURBED AREA (LOD)	CUT (CY)	FILL (CY)
0.27 ac	122	113

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE — STANDARD SYMBOL: SCE



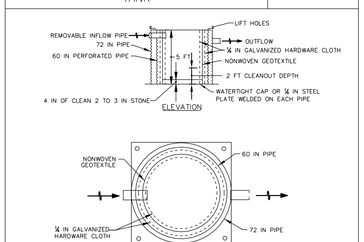
CONSTRUCTION SPECIFICATIONS

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

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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

DETAIL F–3 PORTABLE SEDIMENT TANK — STANDARD SYMBOL: ⊠PST



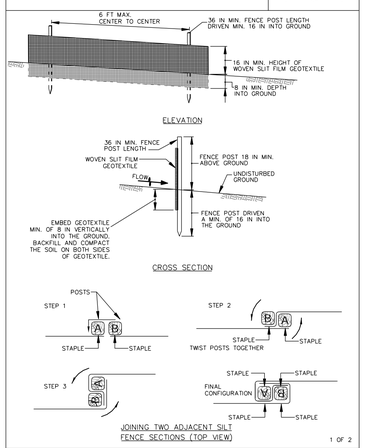
CONSTRUCTION SPECIFICATIONS

1. PROVIDE 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP CAPACITY. REQUIRED STORAGE VOLUME MAY BE ATTAINED BY PLACEMENT OF TANKS IN PARALLEL WITH INFLOW EVENLY DISTRIBUTED AMONG TANKS. OVERTOPPING OF TANKS IS NOT PERMITTED.
2. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS, SANDWICHED BETWEEN, AND ATTACHED TO, ¼ INCH HARDWARE CLOTH.
3. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
4. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
5. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE
6. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
7. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A PORTABLE SEDIMENT TANK REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT FROM INNER PIPE WHEN IT REACHES TWO FEET IN DEPTH. IF SYSTEM CLOGS, PULL OUT INNER PIPE, REMOVE ACCUMULATED SEDIMENT, AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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

DETAIL E–1 SILT FENCE — STANDARD SYMBOL: SF



1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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

DETAIL E–1 SILT FENCE — STANDARD SYMBOL: SF

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1¾ X 1¾ ± 1/8 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID–SECTION.
4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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

P.E. 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 NO. 43192 , EXPIRATION DATE: 12–19–20

RJM ENGINEERING

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - E&SC NOTES SHEET

SCALE N.T.S. ADVERTISED DATE TBD CONTRACT NO.

DESIGNED BY JB
DRAWN BY JB
CHECKED BY KS
DPS PERMIT 284408

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. EN-01 OF 01 | SHEET NO. 40 OF 46

MCDPS SCSWM SHEET 5 OF 6

BY: kevin –

PLOTTED: Wednesday, October 30, 2019 AT 09:18 AM
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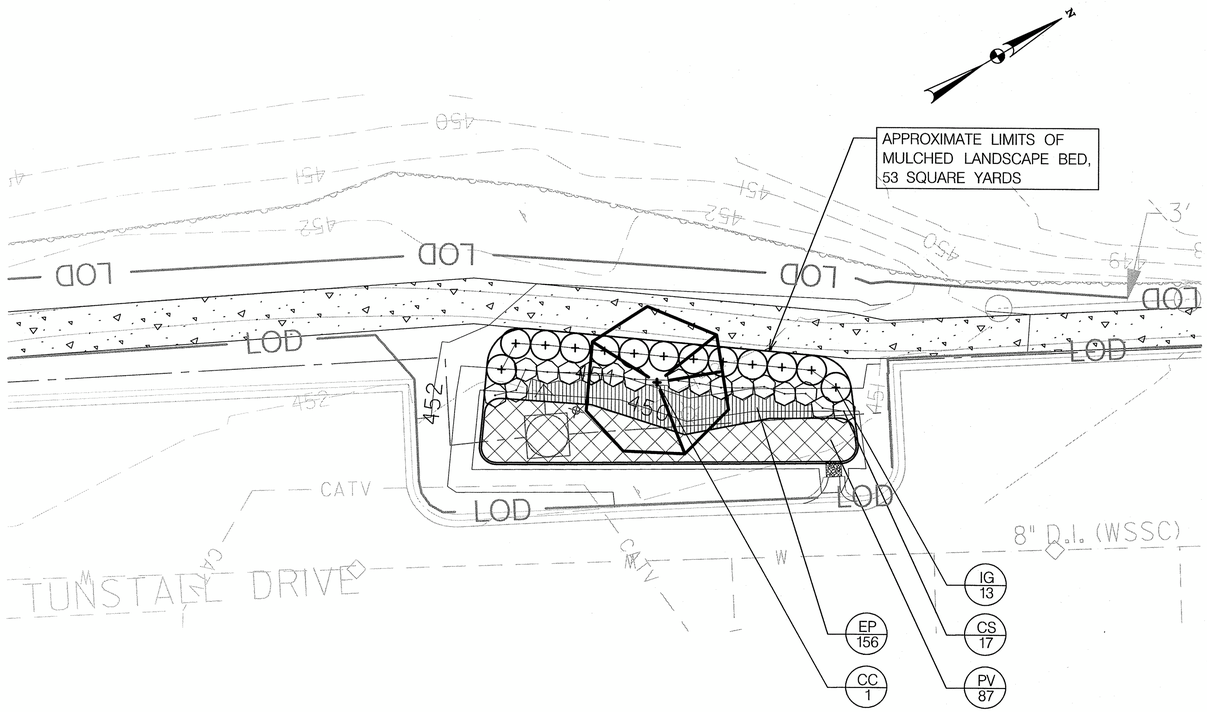


LANDSCAPE PLAN VIEW
1" = 10'

PLANTING SCHEDULE [TOTAL]							
	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING/REMARKS
TREES	CC	1	*Cercis canadensis 'Forest Pansy'*	'Forest Pansy' Eastern Redbud	2" CAL.	B&B/#20 CONT.	as shown
SHRUBS	CS	17	*Cornus sericea 'Farrow' ARCTIC FIRE*	Red Twig Dogwood	18" HT.	#3 CONT.	3' o.c.
	IG	13	*Ilex glabra 'Shamrock'*	'Shamrock' Inkberry Holly	24" HT.	#3 CONT.	4' o.c.
ORNAMENTAL GRASSES / PERENNIALS	EP	156	*Echinacea purpurea*	Purple Coneflower	#SP4	CONT.	12" o.c.
	PV	87	*Panicum virgatum 'Shenandoah'*	'Shenandoah' Red Switchgrass	#1	CONT.	2' o.c.

ALL PRUNING SHALL BE DONE BY AN I.S.A. CERTIFIED ARBORIST OR UNDER THE DIRECTION OF. DO NOT HEAVILY PRUNE TREES AT PLANTING.

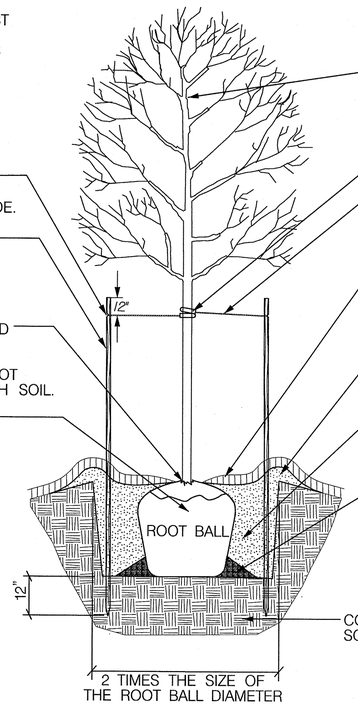
ALL DEAD, BROKEN, AND CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.

NOTCH STAKES 12" FROM TOP OF STAKE TO HOLD WIRE IN PLACE. WIRE 5' ABOVE GRADE.

2 ea.– 2" x 2" x 8' HARDWOOD STAKES SPACED 180° APART. PLACE STAKES PARALLEL TO SIDEWALK AND 5"– 8" FROM ROOT BALL.

ROOT COLLAR SHALL BE PLACED 1"– 2" ABOVE FINISHED GRADE. PLANT TREES SUCH THAT THE TRUNK FLARE IS VISIBLE. DO NOT COVER TOP OF ROOT BALL WITH SOIL.

REMOVE BURLAP AND ROPE FROM TOP 1/3 OF ROOT BALL FOR TREES. REMOVE WIRE BASKETS ENTIRELY.



DO NOT CUT CENTRAL LEADER OR TERMINAL BUDS OF THE CROWN.

5⁄8" O.D. REINFORCED RUBBER HOSE

2 EA. – DOUBLE STRANDS OF 14 GA. GALV. WIRE, TWISTED (WITH RUBBER HOSES OR APPROVED EQUIVALENT)

3" DEPTH– SHREDDED HARDWOOD BARK MULCH. DO NOT PLACE MULCH AGAINST THE TRUNK.

4" MIN. SOIL BERM

ALL SOIL SHALL BE EXCAVATED FROM THE PIT, MIXED WITH APPROVED AMENDMENTS, AND USED AS BACKFILL DURING INSTALLATION OF TREE. ROOT BALL SHALL BE PLACED ON TAMPED OR UNEXCAVATED SOIL.

TAMP SOIL AROUND THE ROOT BALL BASE WITH FOOT PRESSURE SO ROOT BALL DOES NOT SHIFT.

COMPACTED SUBGRADE; CONTRACTOR TO SCARIFY TOP 6" OF SOIL TO IMPROVE DRAINAGE.

2 TIMES THE SIZE OF THE ROOT BALL DIAMETER

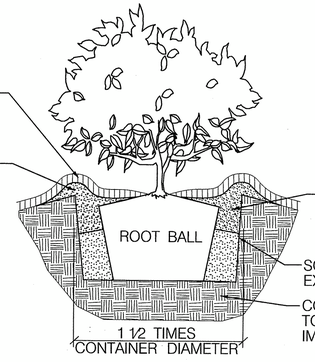
TREE PLANTING DETAIL
N.T.S.

3" DEPTH– SHREDDED HARDWOOD BARK MULCH. DO NOT PLACE MULCH AGAINST THE SHRUB STEM.

4" MIN. SOIL BERM

ALL SOIL SHALL BE EXCAVATED FROM THE PIT, MIXED WITH APPROVED AMENDMENTS, AND USED AS BACKFILL DURING INSTALLATION OF THE SHRUB. ROOT BALL SHALL BE PLACED ON TAMPED OR UNEXCAVATED SOIL.

FOR CONTAINER PLANTS COMPLETELY REMOVE CONTAINER AND SCARIFY ROOTBALL



TOPSOIL, 6" DEPTH

SCARIFY SIDE WALLS OF EXCAVATION BEFORE PLANTING

COMPACTED SUBGRADE; CONTRACTOR TO SCARIFY TOP 6" OF SOIL TO IMPROVE DRAINAGE.

SHRUB PLANTING DETAIL
N.T.S.

JMT

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 09:03 AM
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LANDSCAPE ARCHITECT 1165 SCOTT JOHN RASMUSSEN STATE OF MARYLAND

Scott Rasmussen
2019.09.17 10:09:10 -04'00'

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE – LANDSCAPE PLAN

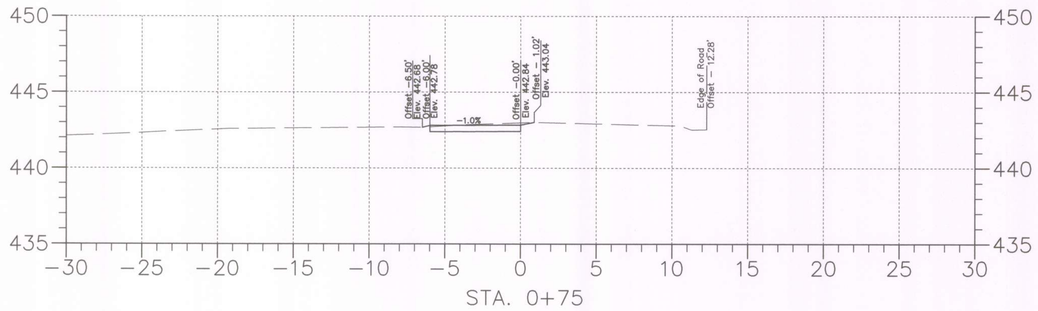
SCALE AS SHOWN ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY SJR
DRAWN BY SJR
CHECKED BY JSC
DPS PERMIT 284408

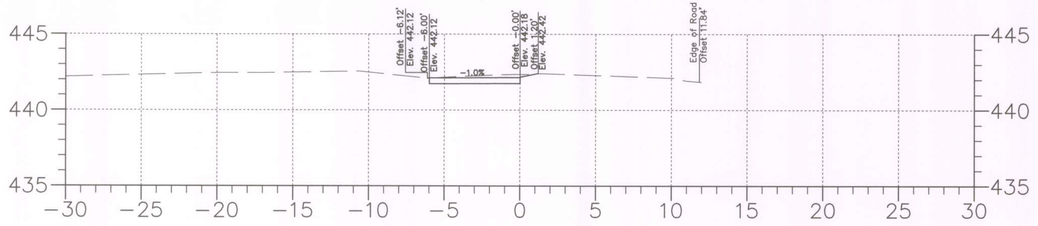
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. LS - 01 OF 01

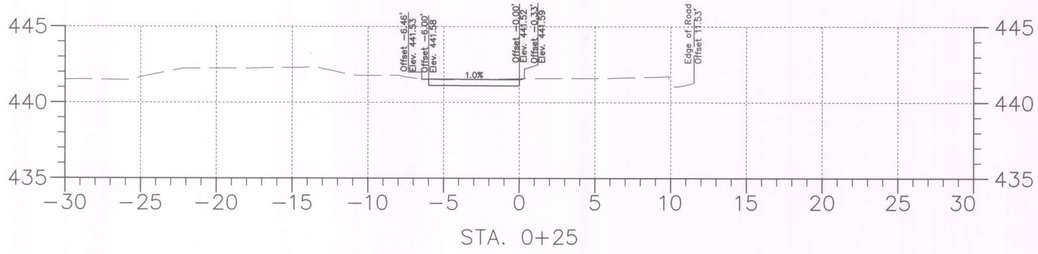
SHEET NO. 41 OF 46



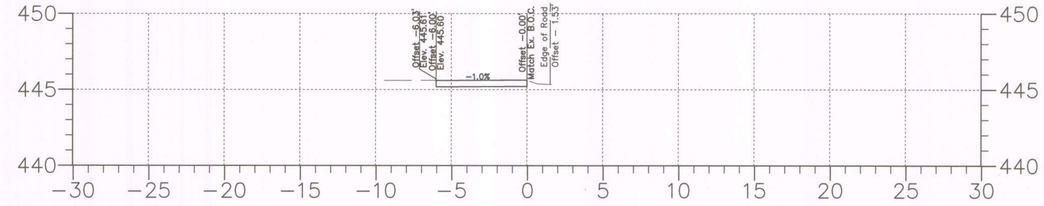
STA. 0+75



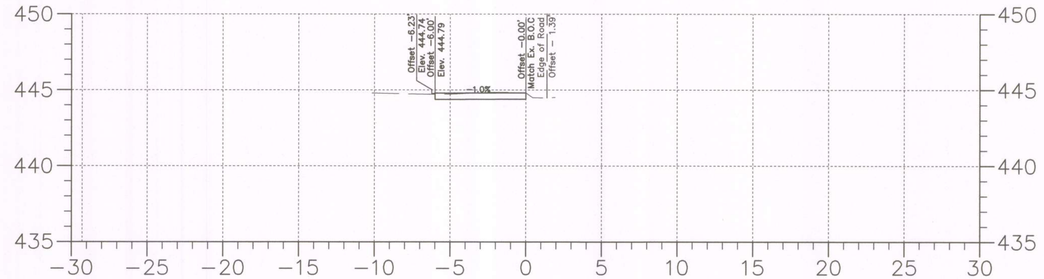
STA. 0+50



STA. 0+25



STA. 1+75



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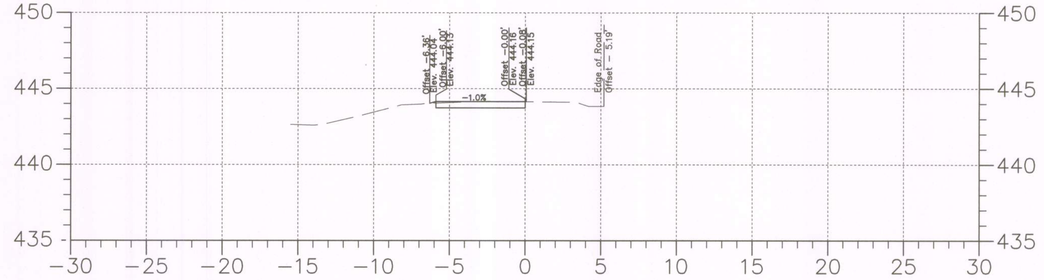
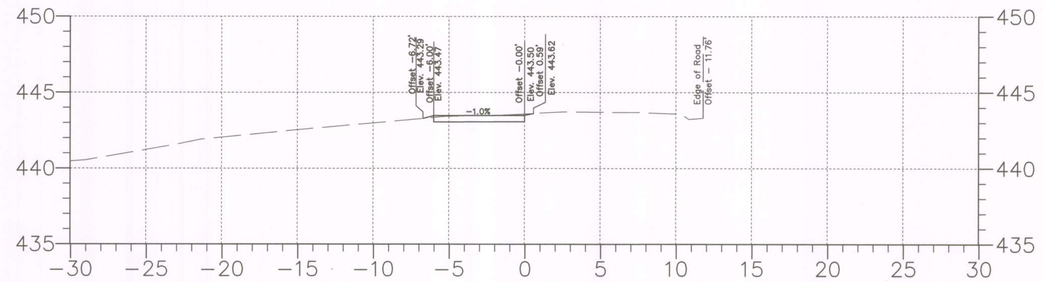


STA. 1+25



STA. 1+00

JMT

BY: Stratmeyer –

PLOTTED: Friday, May 24, 2019 AT 02:09 PM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mXC_MontVillage-001.dgn

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01/29/2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - CROSS SECTIONS

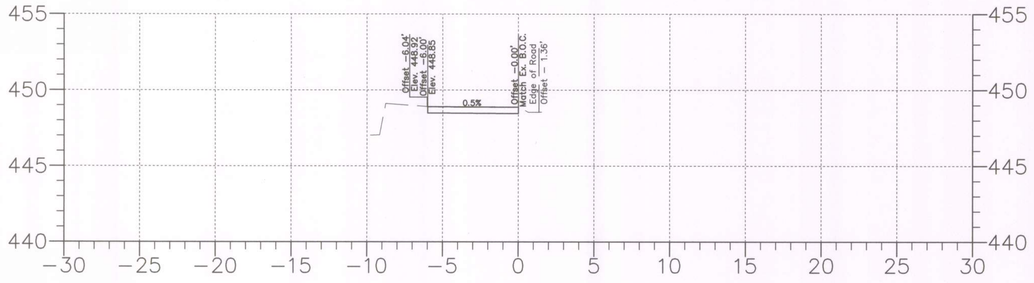
SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

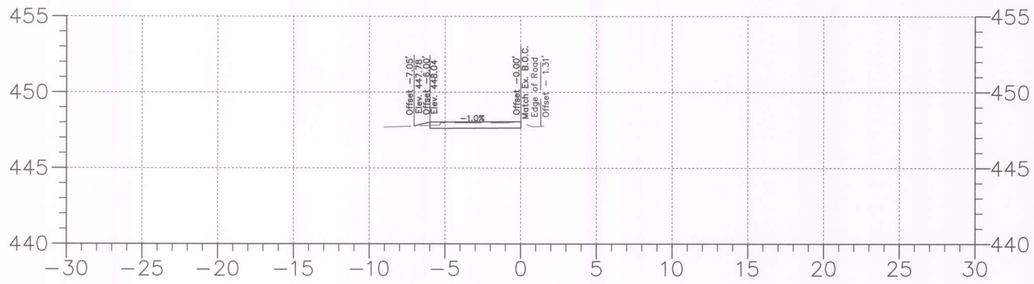
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. XS - 01 OF 05

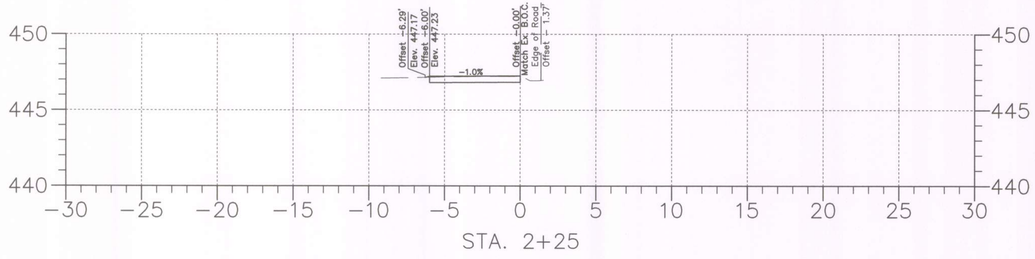
SHEET NO. 42 OF 46



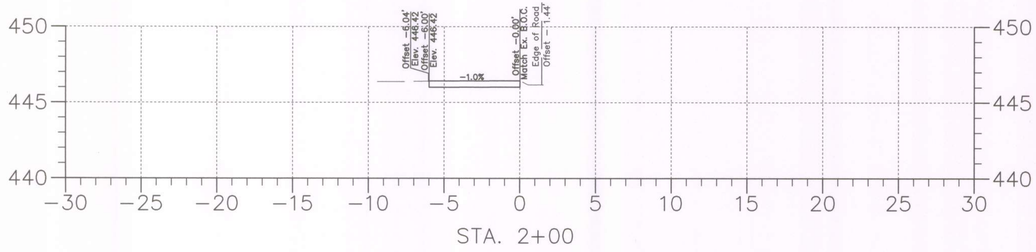
STA. 2+75



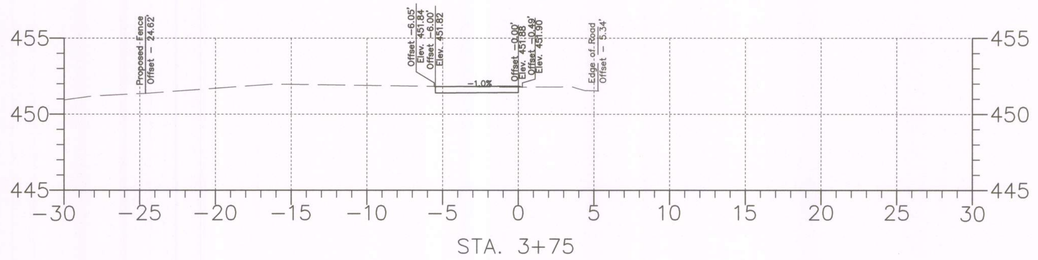
STA. 2+50



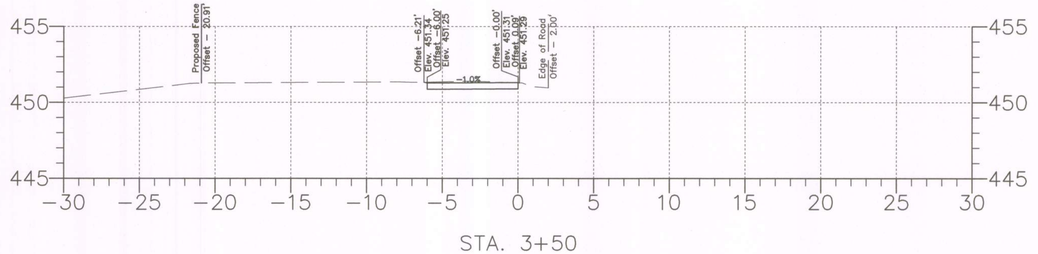
STA. 2+25



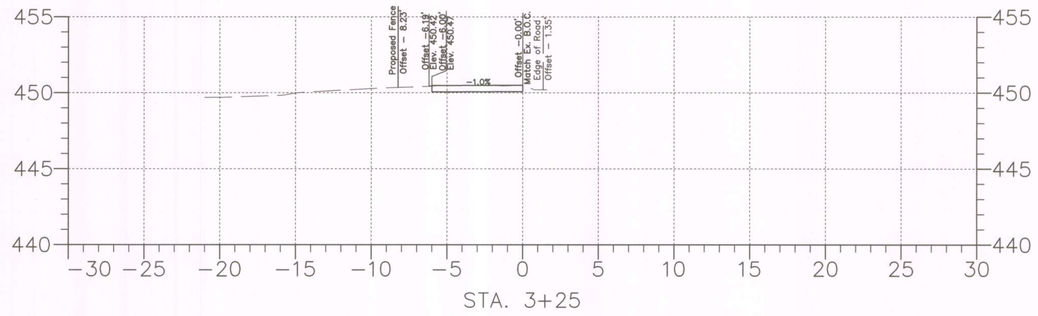
STA. 2+00



STA. 3+75



STA. 3+50



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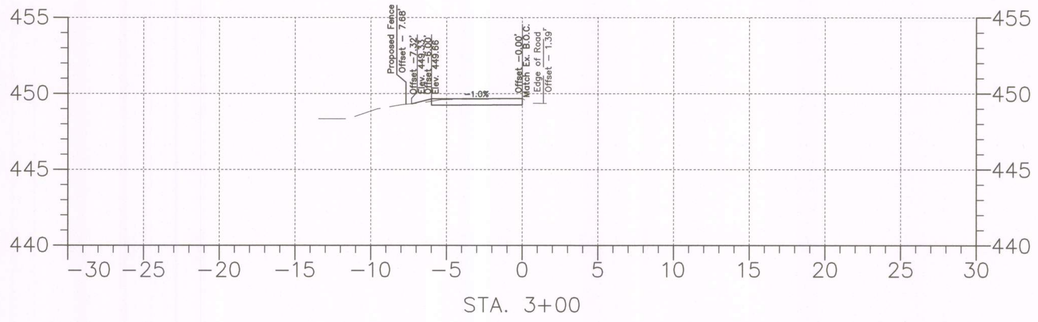


STA. 3+00

BY: Stratmeyer –

PLOTTED: Friday, May 24, 2019 AT 02:10 PM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mXC_MontVillage-001.dgn

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

05/25/19

DOUGLAS H. SIMMONS, PE

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - CROSS SECTIONS

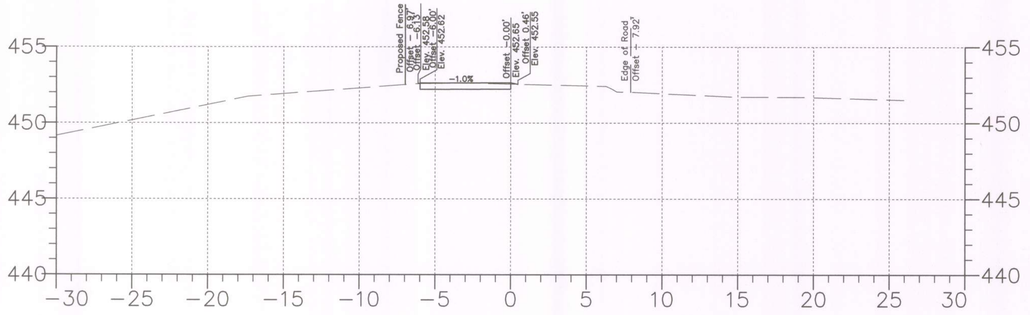
SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

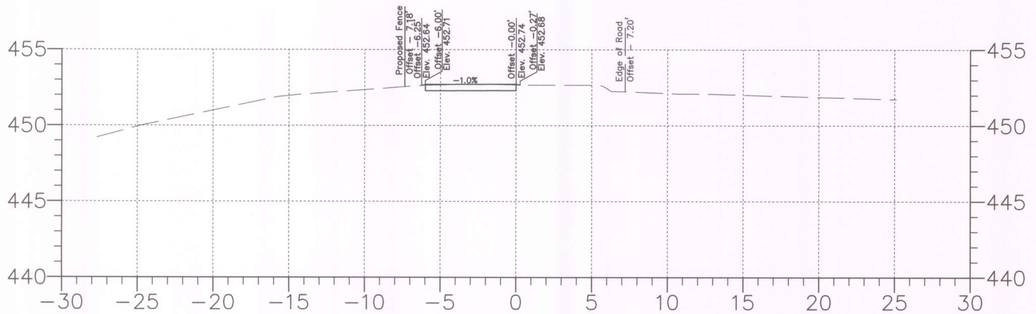
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. XS - 02 OF 05

SHEET NO. 43 OF 46



STA. 4+75



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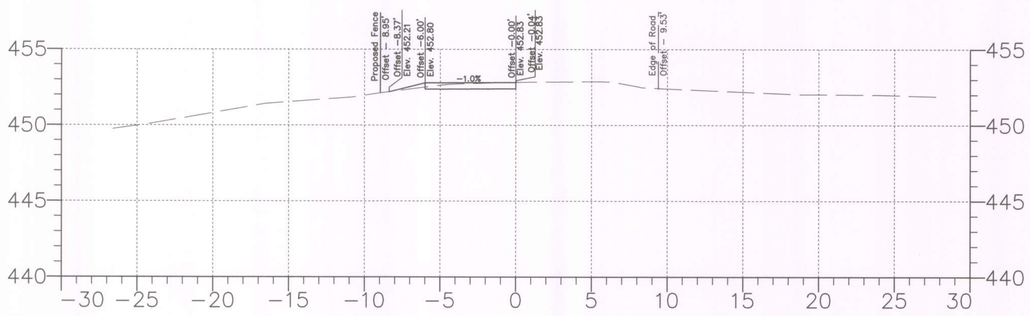
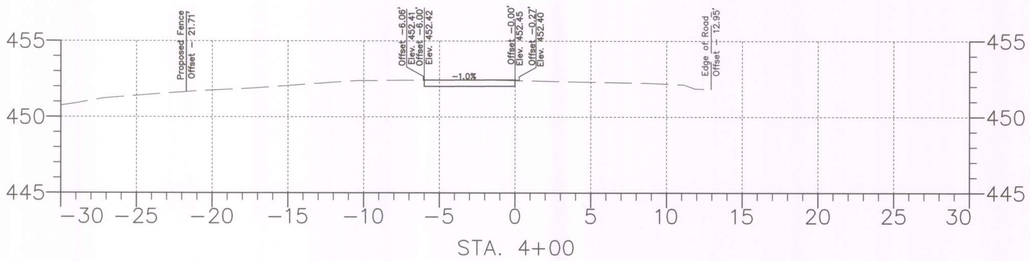
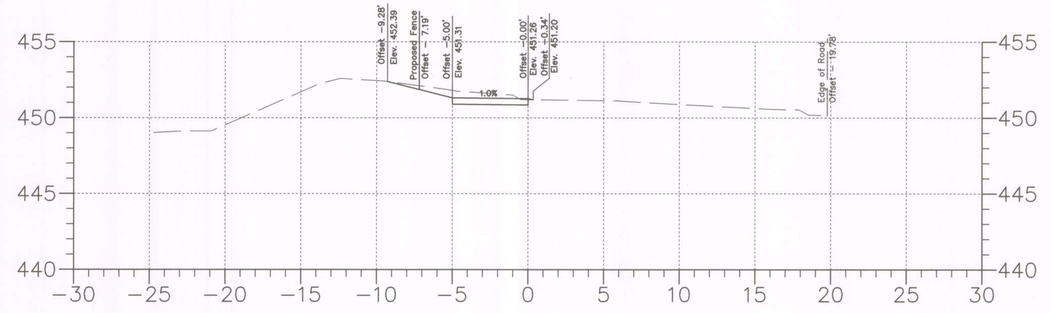


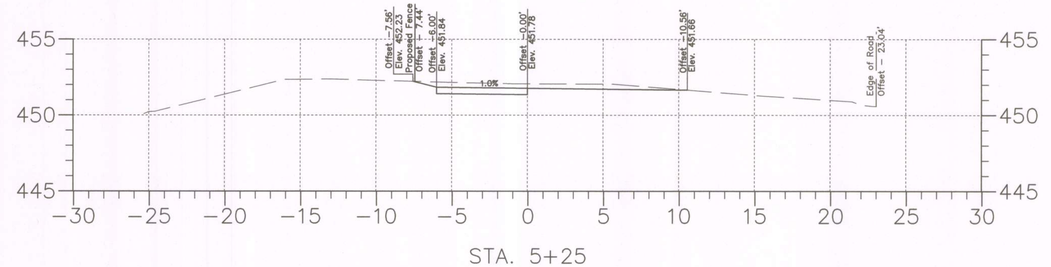
STA. 4+25



STA. 4+00



STA. 5+50



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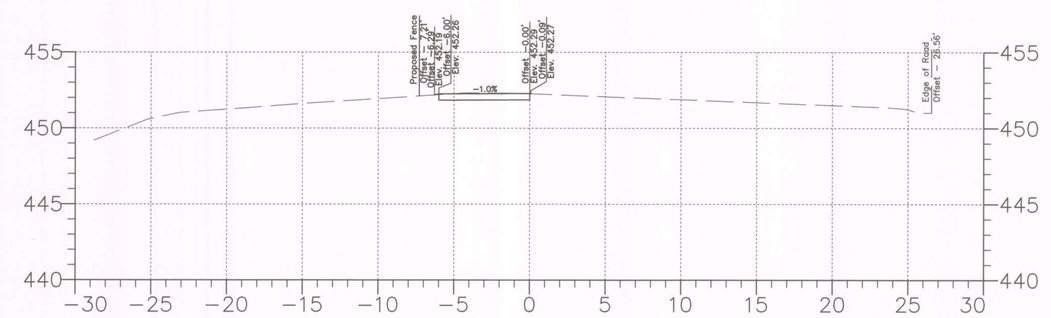


STA. 5+00

JMT

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 09:03 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mXC_MontVillage-001.dgn

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · NO. 17673 · PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

GROVER'S FORGE - CROSS SECTIONS

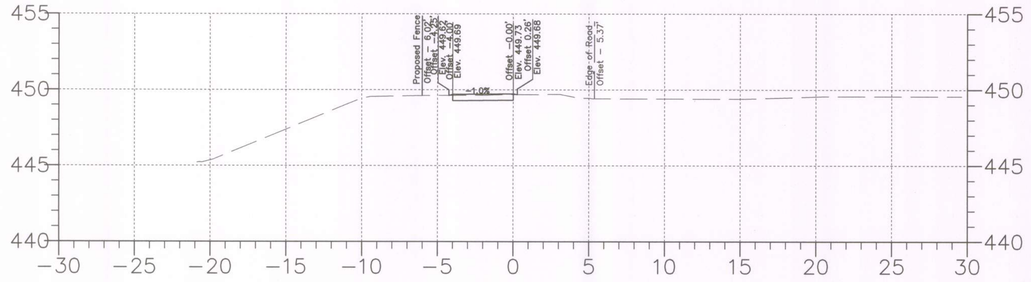
SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

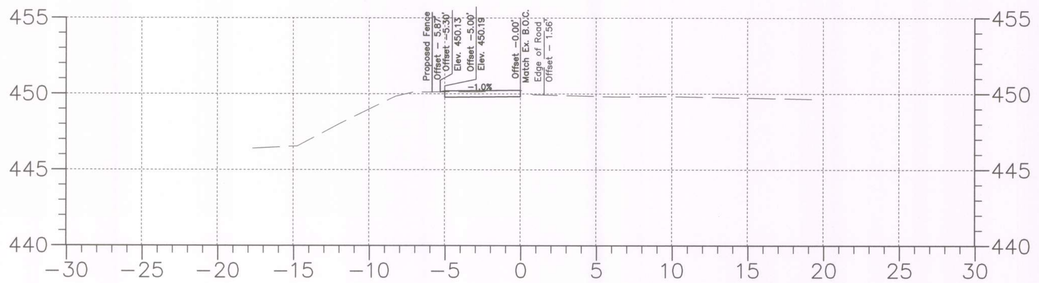
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **XS - 03** OF **05**

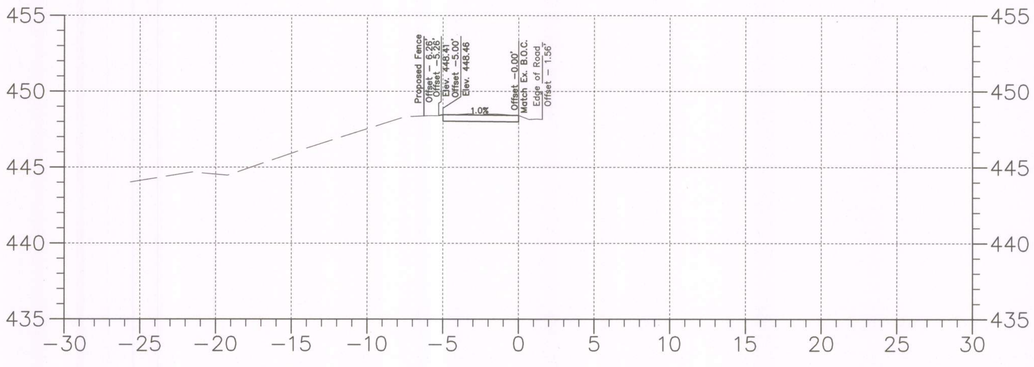
SHEET NO. 44 OF 46



STA. 7+00



STA. 6+00



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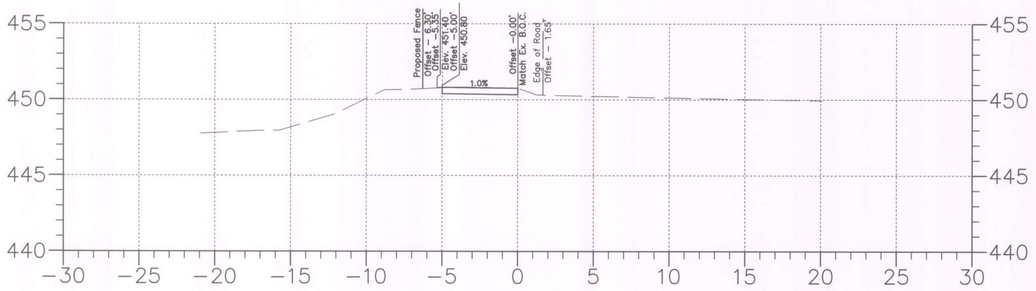

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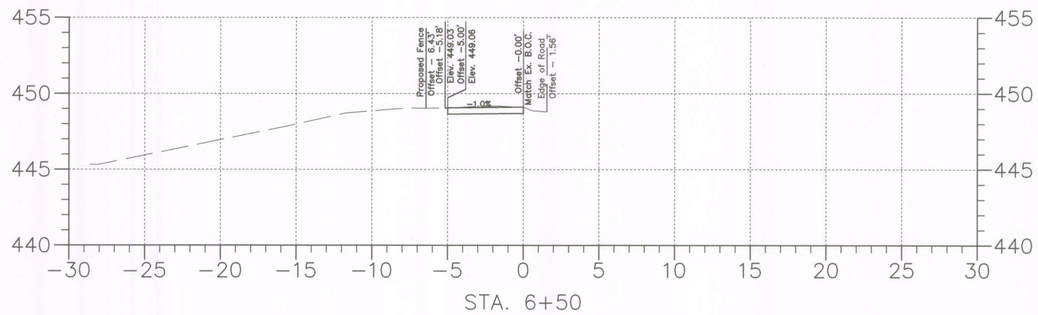


STA. 6+50

JMT

BY: Stratmeyer

PLOTTED: Thursday, May 23, 2019 AT 09:04 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mXC_MontVillage-001.dgn

STATE OF MARYLAND · DOUGLAS HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

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 STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17673, EXPIRATION DATE: 01 /29 /2020.

6/25/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
LIGHTING AND SITE IMPROVEMENTS PROJECT

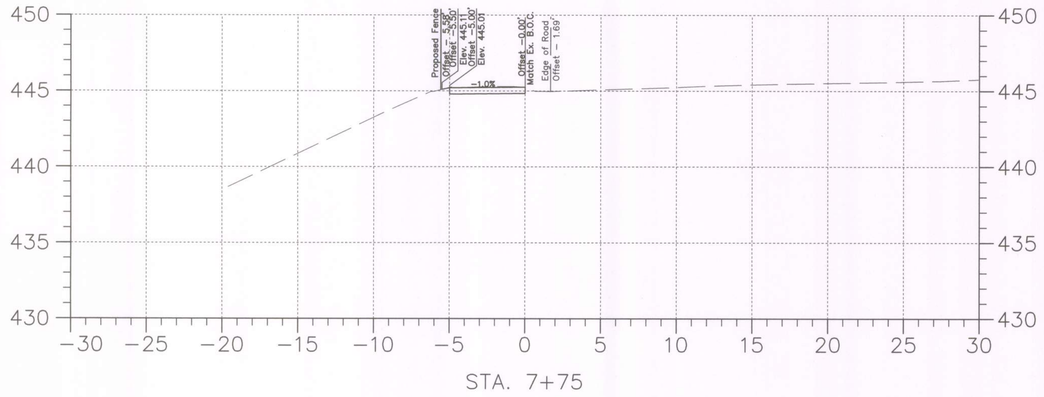
SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

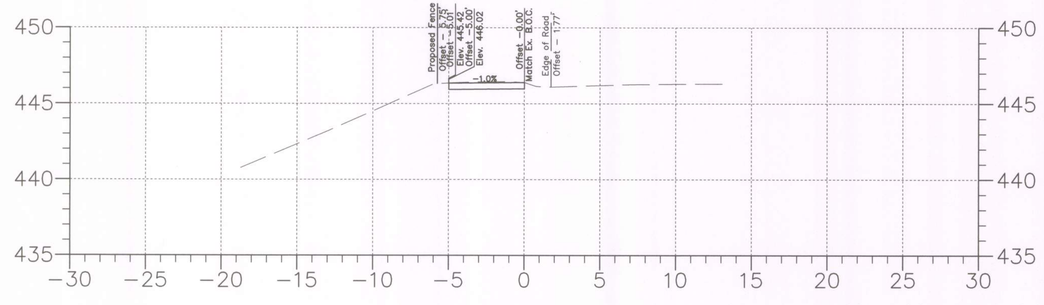
COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **XS - 04** OF **05**

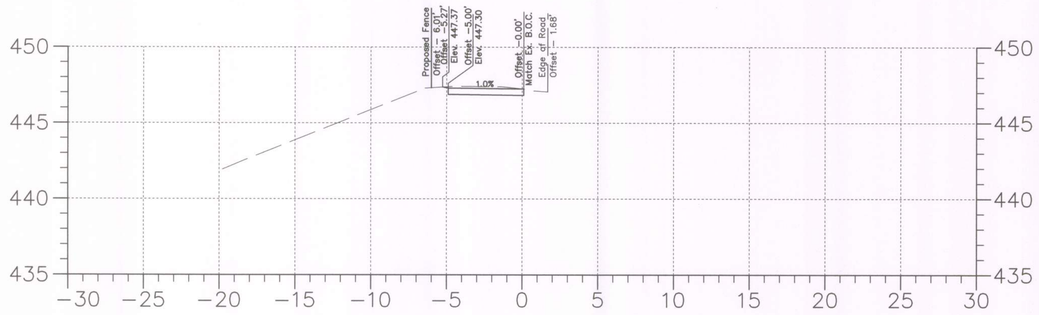
SHEET NO. 45 OF 46



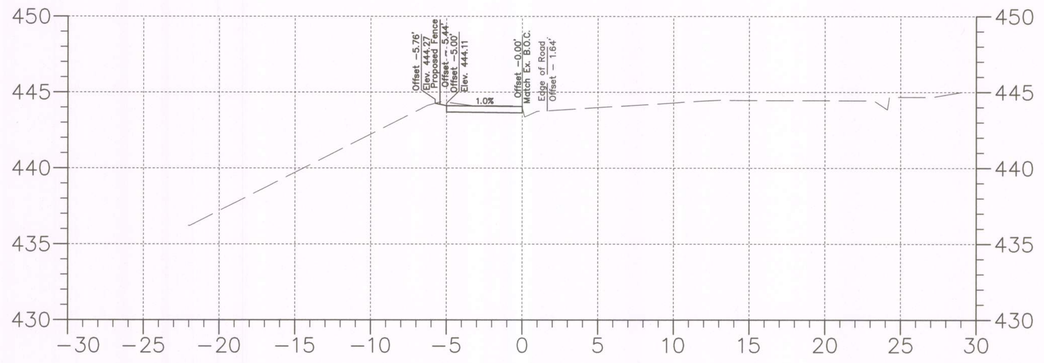
STA. 7+75



STA. 7+50



STA. 7+25



STA. 8+00

JMT

BY: Stratmeyer –

PLOTTED: Thursday, May 23, 2019 AT 09:00 AM
FILE: Q:\2013\130707_003_Montogmery_Village_\CADD\mXC_MontVillage-001.dgn

STATE OF MARYLAND · HOWARD SIMMONS · No. 17673 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

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5/23/19

DOUGLAS H. SIMMONS, PE

MONTGOMERY COUNTY
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTGOMERY VILLAGE /SOUTH VILLAGE HOMES
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GROVER'S FORGE - CROSS SECTIONS

SCALE 5 SCALE ADVERTISED DATE N /A CONTRACT NO.

DESIGNED BY RJS
DRAWN BY RJS
CHECKED BY JJR
DPS PERMIT

COUNTY MONTGOMERY COUNTY
LOGMILE

DRAWING NO. **XS - 05** OF **05**

SHEET NO. 46 OF 46