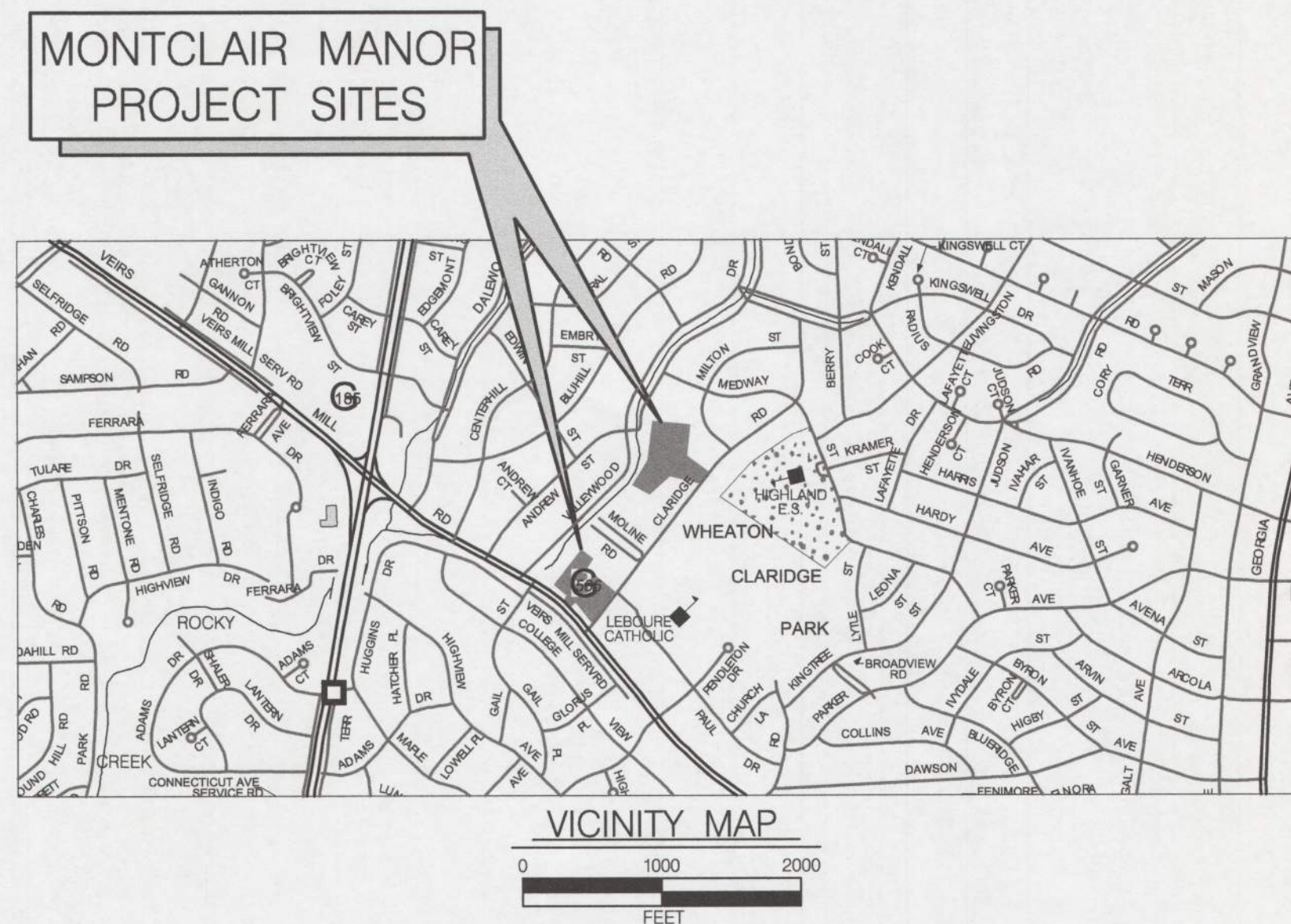


# MONTCLAIR MANOR COMMUNITY LIGHTING AND SITE IMPROVEMENTS MONTGOMERY COUNTY MARYLAND

## GENERAL NOTES

1. THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED 2017, ALL ERRATA AND ADDENDA THERETO, THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C) STANDARDS, MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
2. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS 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 OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE DIGGING OF TEST PITS ARE TO BE CONSIDERED AS A CONTINGENT ITEM. THE TOTAL NUMBER OF TEST PITS WILL BE DETERMINED IN THE FIELD.
3. NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS, BUT NOT MORE THAN TEN (10) WORKING DAYS IN ADVANCE OF PROCEEDING WITH ANY EXCAVATION WORK.
4. THE CONTRACTOR SHALL REPAIR AND /OR REPLACE ANY UTILITIES DISRUPTED AS A RESULT OF CONSTRUCTION ACTIVITIES. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
5. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
6. CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
7. ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL BE SEEDED AND MULCHED.
8. THE BASE MAPPING UTILIZED FOR THIS PROJECT WAS ESTABLISHED FROM GIS INFORMATION WITH SPOT SURVEYS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PERTINENT TO CONSTRUCTION OF THE PROPOSED FACILITY PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
9. CONTACT THE W.S.S.C SYSTEM MAINTENANCE ENGINEER BEFORE EXCAVATING BENEATH OR IN THE VICINITY OF EXISTING WATER OR SEWER LINES. BACKFILL TO BE DONE UNDER SUPERVISION OF W.S.S.C CALL 301-699-4420.
10. CONTRACTOR TO COORDINATE WITH COUNTY FOR APPROVAL OF TEMPORARY STORAGE FACILITY LOCATION.
11. WATER LINE RELOCATIONS ARE NOT ANTICIPATED.
12. GAS LINE RELOCATIONS ARE NOT ANTICIPATED.
13. SANITARY SEWER LINE RELOCATIONS ARE NOT ANTICIPATED.
14. THE CONTRACTOR SHALL APPLY FOR AND RECEIVE AN ELECTRICAL PERMIT FROM THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (DPS) PRIOR TO BEGINNING CONSTRUCTION.

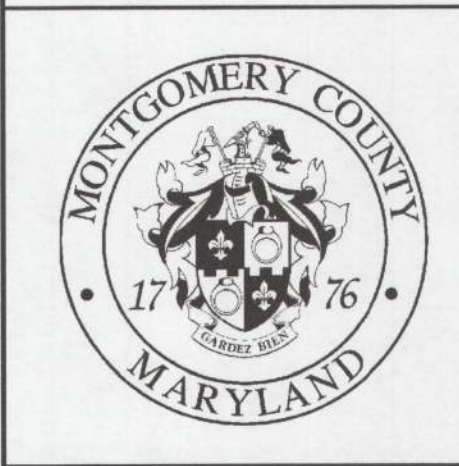
SHEET NO.	DESCRIPTION	SHEET ID
1	TITLE SHEET	GN-01
2	ABBREVIATIONS AND SYMBOLS	GN-02
3-4	EXISTING CONDITIONS PLAN	EC-01-02
5-6	DEMOLITION PLAN	DM-01-02
7-8	ROADWAY AND LIGHTING PLAN	LT-01-02
9-11	STANDARD DETAILS	DE-01-03
12	LANDSCAPE PLAN	LS-01



ALL RIGHT OF WAY LIMITS  
SHOWN ARE APPROXIMATE

**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS  
**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

TITLE SHEET	
SCALE	NTS
ADVERTISED DATE	N/A
CONTRACT NO.	13-0707-002
DESIGNED BY	RJS COUNTY
DRAWN BY	RJS LOGMILE
CHECKED BY	JJR
DPS PERMIT	
DRAWING NO.	GN - 01 OF 02
SHEET NO.	1 OF 12



**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

BY: Straimeyer

# ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
AHD	AHEAD
BC	BACK OF CURB
BEG.	BEGIN
BG&E	BALTIMORE GAS & ELECTRIC
BK	BACK
B	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
C	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
Δ	DELTA ANGLE

# LEGEND

## EXISTING

	UTILITY POLE
	CONTOUR
	STORM DRAIN PIPE
	MANHOLE
	INLET
	OVERHEAD ELECTRIC
	WATER MAIN
	GAS MAIN
	ELECTRIC LINE
	SANITARY SEWER PIPE
	ELEVATION
	ENDWALL
	TREE - EVERGREEN
	TREE - DECIDUOUS
	HEDGE LINE
	CHAIN LINK FENCE
	FARM TYPE FENCE
	WATER VALVE
	ELECTRICAL HANDBOX
	FIRE HYDRANT
	WOODS LINE
	GUARDRAIL
	UTILITY GUYWIRE
	MISC TRAFFIC SIGN
	TRAFFIC LIGHT
	SITE FENCE
	TRAVERSE POINT
	GRADE BREAK LINE
	FLOW LINE
	WOODEN FENCE
	LIGHT POLE
	UNDERGROUND TELEPHONE LINE
	RIGHT-OF-WAY LINE
	ROAD EDGE
	ELECTRIC METER

## PROPOSED

	LIMIT OF DISTURBANCE
	PROPOSED LIGHT
	6' WOOD FENCE

MONTGOMERY COUNTY  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS  
MONTCLAIR MANOR  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

### ABBREVIATIONS AND SYMBOLS

SCALE	NTS	ADVERTISED DATE	N/A	CONTRACT NO.	
DESIGNED BY	RJS	COUNTY	MONTGOMERY COUNTY		
DRAWN BY	RJS	LOGMILE			
CHECKED BY	MTF				
DPS PERMIT					
DRAWING NO.	GN - 02	OF	02	SHEET NO.	2 OF 12

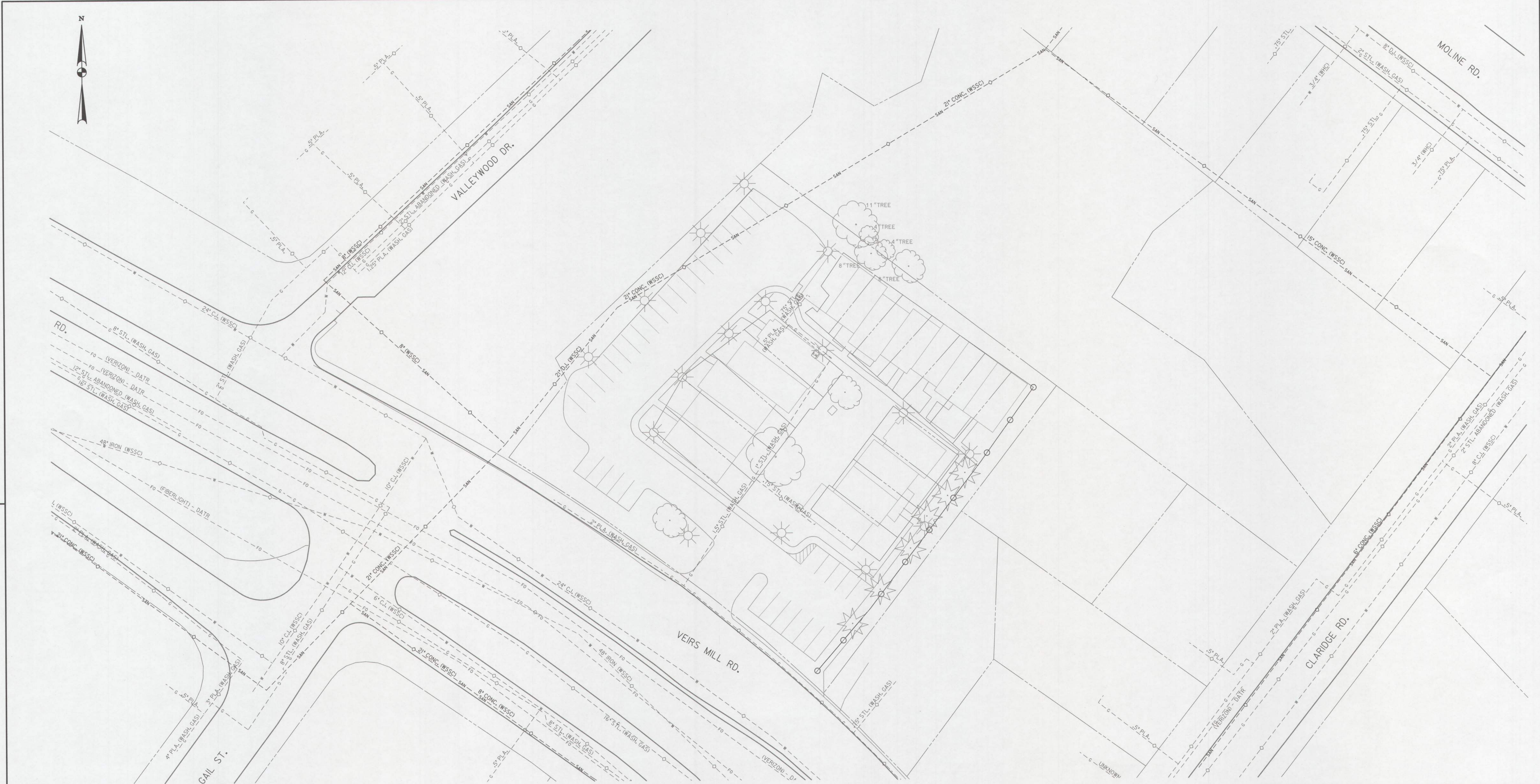
### PROFESSIONAL CERTIFICATION

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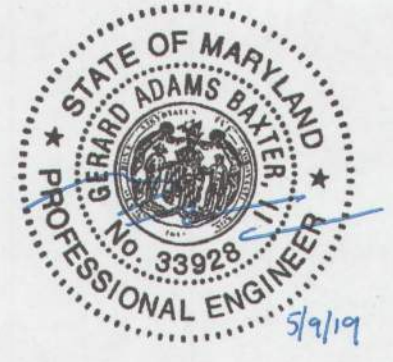
GERARD ADAMS BAXTER, II, PE



BY: Stratmeyer



BY: Stratemeyer -



**PROFESSIONAL CERTIFICATION**

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GERARD ADAMS BAXTER, II, PE

**MONTGOMERY COUNTY**  
 DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS  
**MONTCLAIR MANOR**  
 COMMUNITY LIGHTING AND SITE IMPROVEMENTS

<b>EXISTING CONDITIONS PLAN</b>	
SCALE 1" = 30'	ADVERTISED DATE N/A CONTRACT NO.
DESIGNED BY RJS	COUNTY MONTGOMERY COUNTY
DRAWN BY RJS	LOGMILE
CHECKED BY JJR	30' 0 30' 60'
DPS PERMIT	SCALE: 1"=30'
DRAWING NO. EC - 01 OF 02	SHEET NO. 3 OF 12



BY: Stralmeyer



PLOTTED: Friday, March 29, 2019 AT 12:20 PM  
FILE: Q:\2013\130707\_02B\_Montclair\_Manor-Drain\CADD\mEC\_MontclairManor\_001.dgn



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**GERARD ADAMS BAXTER, II, PE**

**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

---

**EXISTING CONDITIONS PLAN**

SCALE 1" = 30' ADVERTISED DATE N/A CONTRACT NO. \_\_\_\_\_

DESIGNED BY RJS COUNTY MONTGOMERY COUNTY  
DRAWN BY RJS LOGMILE \_\_\_\_\_  
CHECKED BY JJR 30' 0 30' 60'  
DPS PERMIT \_\_\_\_\_ SCALE: 1"=30'

DRAWING NO. **EC - 02** OF **02** SHEET NO. 4 OF 12

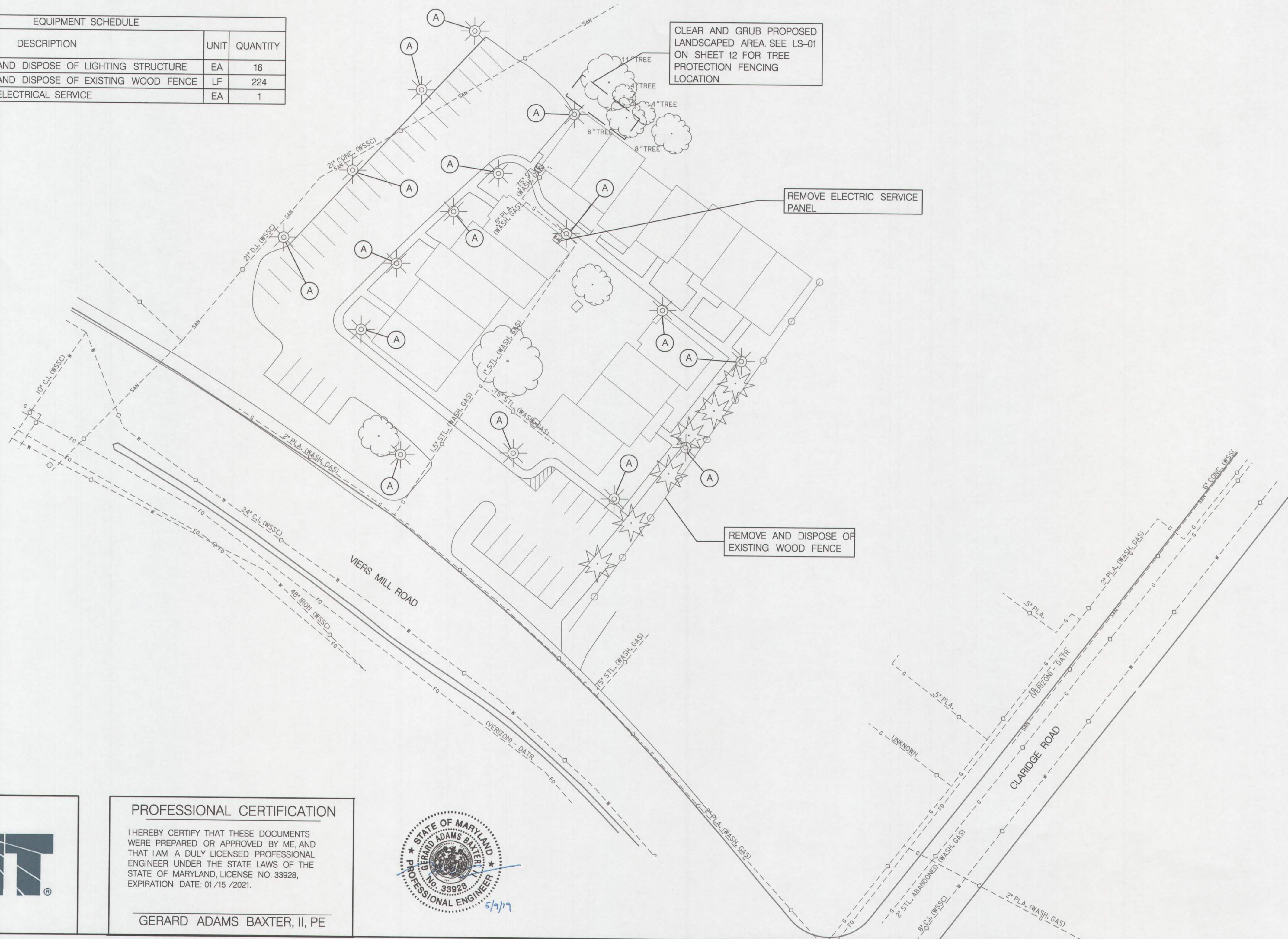
**KEY NOTES**

- (A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

**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 OPERATIONAL.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	16
695190	REMOVE AND DISPOSE OF EXISTING WOOD FENCE	LF	224
873115	REMOVE ELECTRICAL SERVICE	EA	1



**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

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**DEMOLITION PLAN**

SCALE 1" = 30' ADVERTISED DATE N/A CONTRACT NO. \_\_\_\_\_

DESIGNED BY AHB COUNTY MONTGOMERY COUNTY  
 DRAWN BY AHB LOGMILE \_\_\_\_\_  
 CHECKED BY GAB 30' 0 30' 60'  
 DPS PERMIT \_\_\_\_\_ SCALE: 1"=30'

DRAWING NO. **DM - 01** OF **02** SHEET NO. **5** OF **12**

**PROFESSIONAL CERTIFICATION**

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**GERARD ADAMS BAXTER, II, PE**



BY: Straimeyer

KEY NOTES

- (A) REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

PLAN NOTES

- DISCONNECT AND REMOVE EXISTING CABLE, CAP AND ABANDON EXISTING CONDUIT.
- EXISTING LIGHTING MUST REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
860296	REMOVE AND DISPOSE OF LIGHTING STRUCTURE	EA	36



**PROFESSIONAL CERTIFICATION**

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GERARD ADAMS BAXTER, II, PE



**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

**DEMOLITION PLAN**

SCALE: 1" = 30' ADVERTISED DATE: N/A CONTRACT NO. \_\_\_\_\_

DESIGNED BY: AHB COUNTY: MONTGOMERY COUNTY  
DRAWN BY: AHB LOGMILE: \_\_\_\_\_  
CHECKED BY: GAB 30' 0 30' 60'  
DPS PERMIT: \_\_\_\_\_ SCALE: 1"=30'

DRAWING NO. **DM - 02** OF **02** SHEET NO. 6 OF 12

BY: Stralmeyer

PLAN NOTES:

- 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.
- 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO WORK.
- 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.
- 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.
- LIGHTS TO BE PLACED 2' BEHIND BACK OF SIDEWALK OR BACK OF CURB TO CENTER OF POLE UNLESS OTHERWISE NOTED.
- ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CABLES TO BE EXOTHERMIC WELD.
- CONDUCTORS SHALL NOT BE SPLICED EXCEPT IN STRUCTURES OR PULL JUNCTION BOXES.
- 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.
- AS-BUILT LIGHTING DATA SHALL BE PROVIDED TO THE HOMEOWNERS ASSOCIATION AND MONTGOMERY COUNTY DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT THE COMPLETION OF THE BURN TEST. LIGHTING SYSTEMS WILL NOT BE ACCEPTED FOR MAINTENANCE UNTIL AS-BUILT LIGHTING INVENTORY DATA HAS BEEN RECEIVED.
- LUMINAIRES SHALL BE WASHINGTON GLOBE HOLOPHANE AWDE2-P20-30K-AS-F-BK-3-F-B-K OR APPROVED EQUAL AT 3000K COLOR TEMPERATURE.
- CONNECTOR KITS SHALL BE INSTALLED PER MD STD NO. 810.05 - ROADWAY LIGHTING 120240 VOLT SYSTEM 240 VOLT POLE CONNECTIONS; SHEET DE-01.
- 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.
- ALL JUNCTION BOXES TO BE INSTALLED IN THE GRASS.
- CONTRACTOR SHALL TRIM TREES IN THE VICINITY OF THE PROPOSED LIGHTS.

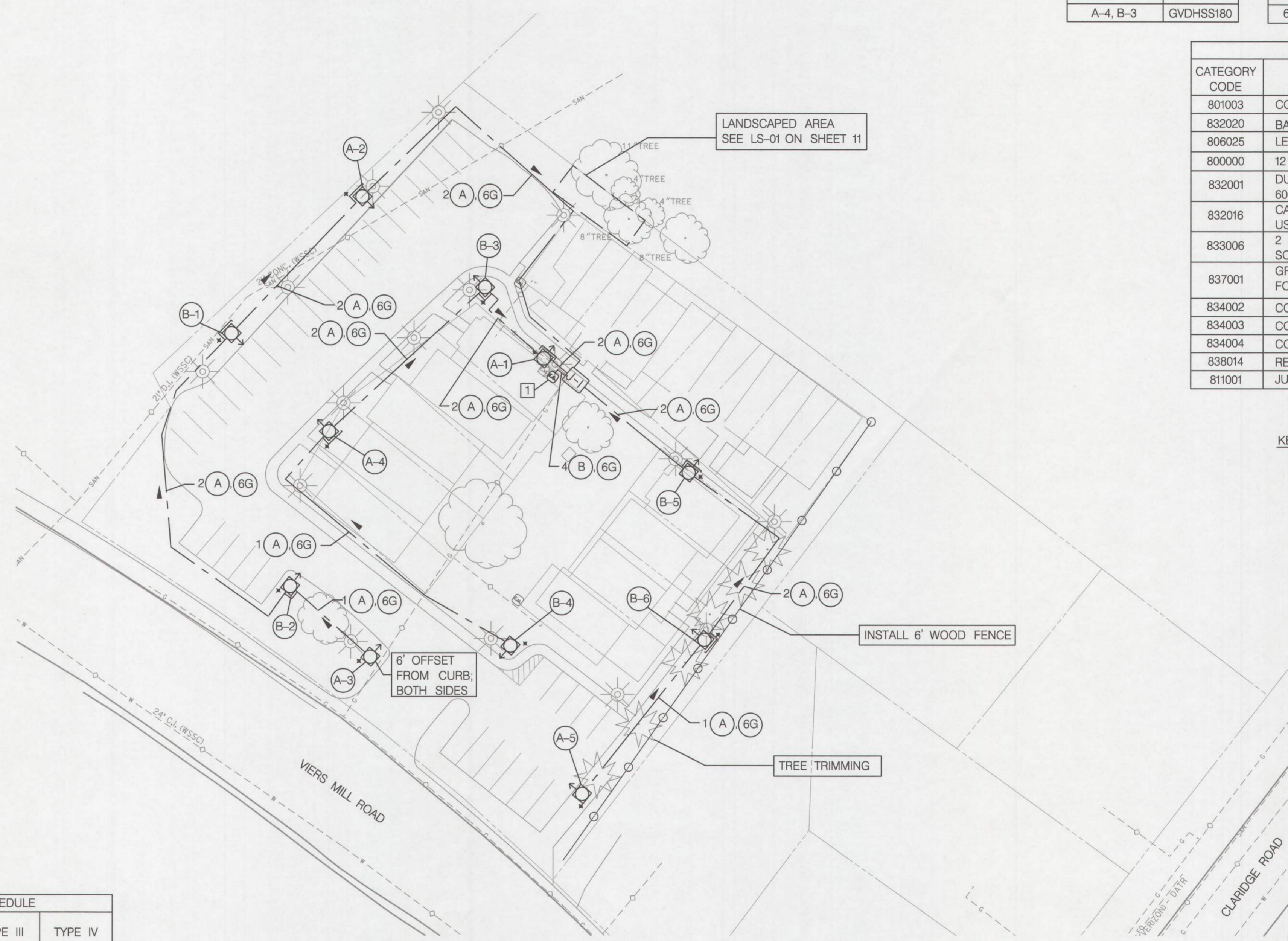


PROPOSED 60 AMP METERED SERVICE PANEL SCHEDULE - 17161 VIERS MILL RD.							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1	NO. 6 AWG	PEDESTRIAN LIGHTING: A-1, A-2, A-3, A-4, A-5	0.195	0.90	2	20	(5) - 39 W LED LUMINAIRES
2	NO. 6 AWG	PEDESTRIAN LIGHTING: B-1, B-2, B-3, B-4, B-5, B-6	0.234	1.08	2	20	(6) - 39 W LED LUMINAIRES
3		EXISTING			1	20	UNKNOWN
4		EXISTING			1	20	UNKNOWN

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
A-4, B-3	GVDHSS180

6' WOOD FENCE			
CATEGORY CODE	LOCATION	UNIT	QUANTITY
600001	SOUTHEASTERN EDGE OF PROPERTY	LF	223

EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	5.5
832020	BARE COPPER WIRE, NO. 6 AWG	LF	1850
806025	LED ROADWAY LUMINAIRE	EA	11
800000	12 FOOT DECORATIVE POLE	EA	11
832001	DUCT CABLE - 2 CONDUCTOR, NO. 6 AWG 600V	LF	1700
832016	CABLE - 1 CONDUCTOR, NO. 6 AWG, TYPE USE, 600V	LF	80
833006	2 INCH DIAMETER RIGID STEEL CONDUIT, SCHEDULE 40	LF	20
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	11
834002	CONNECTOR KIT - TYPE II	EA	12
834003	CONNECTOR KIT - TYPE III	EA	10
834004	CONNECTOR KIT - TYPE IV	EA	8
838014	REMOTE LIGHTING CABINET 60 AMP	EA	1
811001	JUNCTION BOX	EA	1



KEY NOTES:

- [1] NEW WALL-MOUNTED ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "A" AND "B" CIRCUITS. CONTRACTOR TO COORDINATE WITH PEPCO TO TURN OFF POWER AT THE METER TO INSTALL THE PANEL.

CABLE LEGEND	
(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
- ⊕ ELECTRIC METER
- ⊕ PROPOSED 60 AMP LIGHTING CABINET
- J-1 JUNCTION BOX

CONNECTOR KIT SCHEDULE			
LOCATION	TYPE II	TYPE III	TYPE IV
J-1	0	0	8
A-1	0	2	0
A-2	0	2	0
A-3	2	0	0
A-4	2	0	0
A-5	2	0	0
B-1	0	2	0
B-2	2	0	0
B-3	0	2	0
B-4	2	0	0
B-5	0	2	0
B-6	2	0	0

NOTES:

- MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
- CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
- CABLE FROM CONTROL CABINET TO JB-1 TO BE INSTALLED IN 2 INCH DIAMETER RIGID STEEL CONDUIT, SCHEDULE 40 (833006).
- JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. HANDHOLE INSTALLATION TO BE FLUSH WITH EXISTING GRADE.



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  
MONTCLAIR MANOR  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

ROADWAY AND LIGHTING PLAN			
SCALE 1" = 30' ADVERTISED DATE N/A CONTRACT NO.			
DESIGNED BY	AHB	COUNTY	MONTGOMERY COUNTY
DRAWN BY	AHB	LOGMILE	
CHECKED BY	GAB	30'	0 30' 60'
DPS PERMIT		SCALE: 1"=30'	
DRAWING NO.	LT - 01	OF	02
			SHEET NO. 7 OF 12



EQUIPMENT SCHEDULE			
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
801003	CONCRETE FOR LIGHT FOUNDATION	CY	11.5
832020	BARE COPPER WIRE, NO. 6 AWG	LF	2900
806025	LED ROADWAY LUMINAIRE	EA	23
800000	12 FOOT DECORATIVE POLE	EA	23
832001	DUCT CABLE - 2 CONDUCTOR, NO. 6 AWG 600V	LF	2600
832016	CABLE - 1 CONDUCTOR, NO. 6 AWG, TYPE USE, 600V	LF	80
837001	GROUND ROD = 3/4 INCH DIAMETER 10 FOOT LENGTH	EA	23
834002	CONNECTOR KIT - TYPE II	EA	26
834003	CONNECTOR KIT - TYPE III	EA	20
834004	CONNECTOR KIT - TYPE IV	EA	12
811001	JUNCTION BOX	EA	3

- NOTES:**
- MIX 3 CONCRETE COMPENSATION INCLUDES ALL CONCRETE, EXCAVATION, REINFORCEMENT STEEL, ANCHOR BOLTS, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
  - CABLE AND GROUND WIRE COMPENSATION INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK.
  - JUNCTION BOX INCLUDES ALL EXCAVATION, BACKFILL, MATERIAL, LABOR EQUIPMENT AND TOOLS TO COMPLETE THE WORK. HANDHOLE INSTALLATION TO BE FLUSH WITH EXISTING GRADE.
  - CABLE FROM CONTROL CABINET TO JUNCTION BOX SHALL BE INSTALLED IN EXISTING CONDUIT. CONDUIT SHALL BE RE-ROUTED TO THE PROPOSED JUNCTION BOX. COST OF RE-ROUTING CONDUIT SHALL BE INCIDENTAL TO THE COST OF CABLE.

CONTRACTOR TO REPLACE MISSING WOOD FENCE SLATS IN KIND.

- GENERAL NOTES:**
- SEE GENERAL NOTES ON SHEET LT-01; SHEET 7.

CONNECTOR KIT SCHEDULE			
LOCATION	TYPE II	TYPE III	TYPE IV
J-1	0	0	4
J-2	0	0	4
J-3	0	0	4
A-1	2	0	0
A-2	0	2	0
A-3	0	2	0
A-4	0	2	0
A-5	0	2	0
A-6	0	2	0
A-7	2	0	0
A-8	0	2	0
A-9	2	0	0
B-1	2	0	0
B-2	0	2	0
B-3	0	2	0
B-4	0	2	0
B-5	0	2	0
B-6	2	0	0
B-7	2	0	0
C-1	2	0	0
C-2	0	2	0
C-3	0	2	0
C-4	2	0	0
D-1	2	0	0
D-2	0	2	0
D-3	2	0	0

- KEY NOTES:**
- EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "A" AND "B" CIRCUITS. INSTALL NEW CIRCUIT BREAKERS.
  - EXISTING ELECTRICAL SERVICE PANEL WITH PHOTOCELL FOR "C" AND "D" CIRCUITS. INSTALL NEW CIRCUIT BREAKERS.

EXISTING METERED SERVICE PANEL SCHEDULE - 3355 CLARIDGE CT.							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1	NO. 6 AWG	PEDESTRIAN LIGHTING: A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, A-9	0.351	1.62	2	20	(9) - 39 W LED LUMINAIRES
2	NO. 6 AWG	PEDESTRIAN LIGHTING: B-1, B-2, B-3, B-4, B-5, B-6, B-7	0.273	1.26		20	(7) - 39 W LED LUMINAIRES
3-11		SPACE				20	
12		EXISTING			1	20	GFI
13		EXISTING			1	20	UNKNOWN
14		EXISTING			1	20	UNKNOWN

EXISTING METERED SERVICE PANEL SCHEDULE - 3323 CLARIDGE CT.							
CIRCUIT NUMBER	CONDUCTOR SIZE	EQUIPMENT SERVED	CONNECTED LOADS		NUMBER OF LOADS		REMARKS
			KW	AMPS	NO. OF POLES	TRIP SIZE	
1	NO. 6 AWG	PEDESTRIAN LIGHTING: C-1, C-2, C-3, C-4	0.156	0.72	2	20	(4) - 39 W LED LUMINAIRES
2	NO. 6 AWG	PEDESTRIAN LIGHTING: D-1, D-2, D-3	0.117	0.54	2	20	(3) - 39 W LED LUMINAIRES
3-9		SPACE					
10		EXISTING			1	20	UNKNOWN
11		SPACE					
12		EXISTING			1	20	UNKNOWN
13		SPACE					
14		EXISTING			1	20	UNKNOWN

HOUSESIDE SHIELD TABLE	
EQUIPMENT	TYPE
A-5, A-6, A-7	GVDHSS180
B-5, B-6, B-7	
D-2	

REPLACEMENT OF WOOD SLATS IN EXISTING FENCE	
LOCATION	QUANTITY
WESTERN EDGE OF PROPERTY	EACH*

\* NOTE: INCLUDED IN THE ESTIMATE AS A CONTINGENT ITEM. TOTAL NUMBER OF REPLACEMENT SLATS TO BE DETERMINED IN FIELD.

CABLE LEGEND	
(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
  - J-1 JUNCTION BOX
  - ⊖ ELECTRIC METER



**PROFESSIONAL CERTIFICATION**

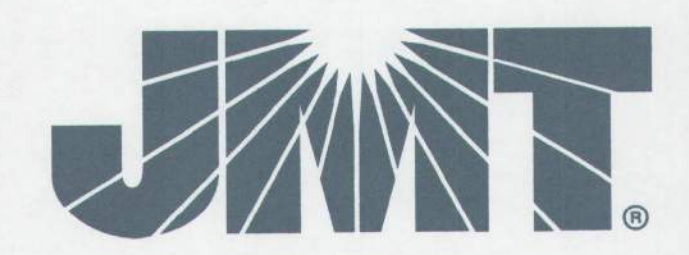
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.

GERARD ADAMS BAXTER, II, PE

**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

ROADWAY AND LIGHTING PLAN			
SCALE	1" = 30'	ADVERTISED DATE	N/A
DESIGNED BY	AHB	COUNTY	MONTGOMERY COUNTY
DRAWN BY	AHB	LOGMILE	
CHECKED BY	GAB	30' 0 30' 60'	
DPS PERMIT		SCALE: 1"=30'	
DRAWING NO.	LT - 02	OF	02
			SHEET NO. 8 OF 12



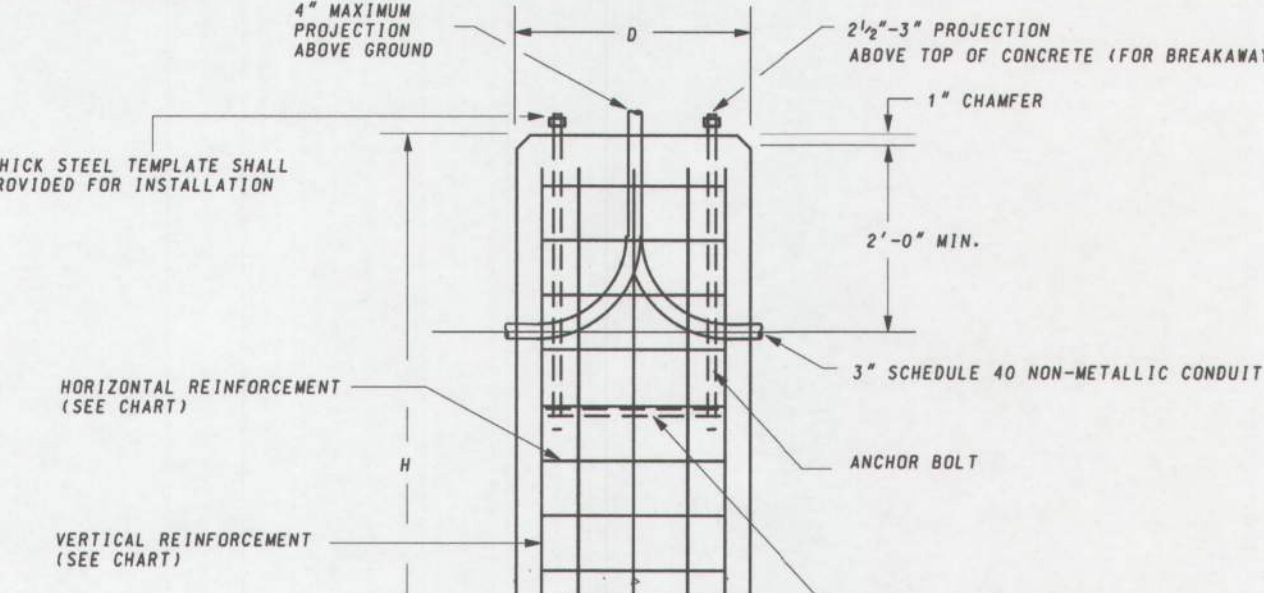
BY: Stratmeyer -



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		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



PLACE TWO (2) TRIANGULAR GROOVES 3/4" ACROSS x 3/4" DEEP AT 90 DEGREES IN TOP OF FOUNDATION FOR DRAINAGE.  
4" MAXIMUM PROJECTION ABOVE GROUND  
2 1/2"-3" PROJECTION ABOVE TOP OF CONCRETE (FOR BREAKAWAYS)  
1" CHAMFER  
2'-0" MIN.  
3" SCHEDULE 40 NON-METALLIC CONDUIT  
ANCHOR BOLT  
3" MIN. CLEARANCE



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

SPECIFICATION 801 CATEGORY CODE ITEMS  
APPROVED DIRECTOR - OFFICE OF TRAFFIC AND SAFETY  
Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
LIGHTING STRUCTURE FOUNDATION  
STANDARD NO. MD 801.02

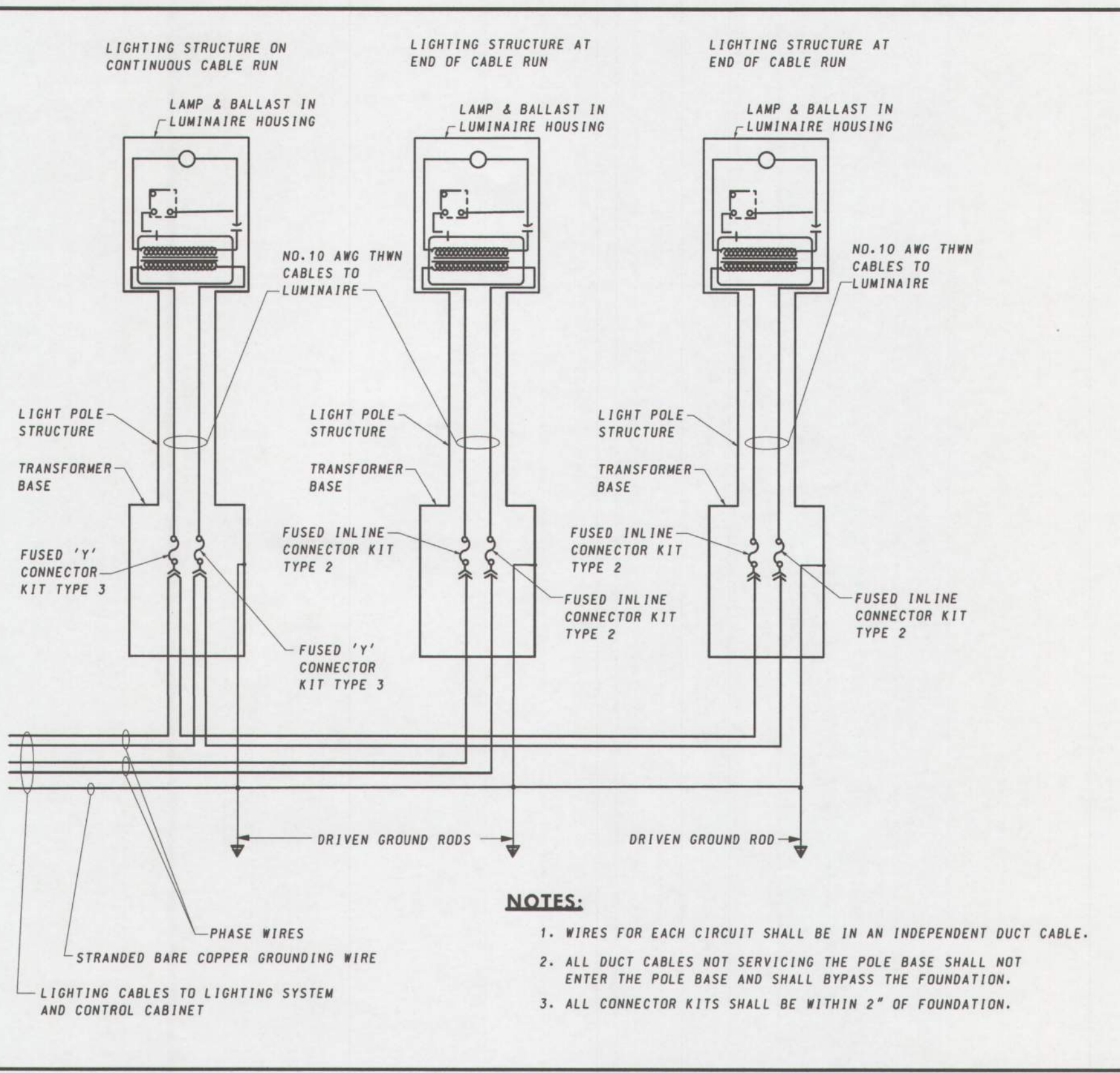
STANDARD LIGHTING STRUCTURE FOUNDATION DETAIL

- NOTES FOR 801.02:
- FOUNDATION TO EXTEND 4" ABOVE FINISHED GRADE.
  - FOUNDATION CONCRETE TO BE MIX 3,3000 PSI.
  - GROUND ROD TO BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL ROD.
  - GROUND ROD TO BE EXOTHERMICALLY WELDED TO GROUND WIRE 1' BELOW TOP OF FOUNDATION.
  - GROUND WIRE TO ENTER TOP OF FOUNDATION AND EXIT THE SIDE OF THE FOUNDATION 1' BELOW TOP OF FOUNDATION.

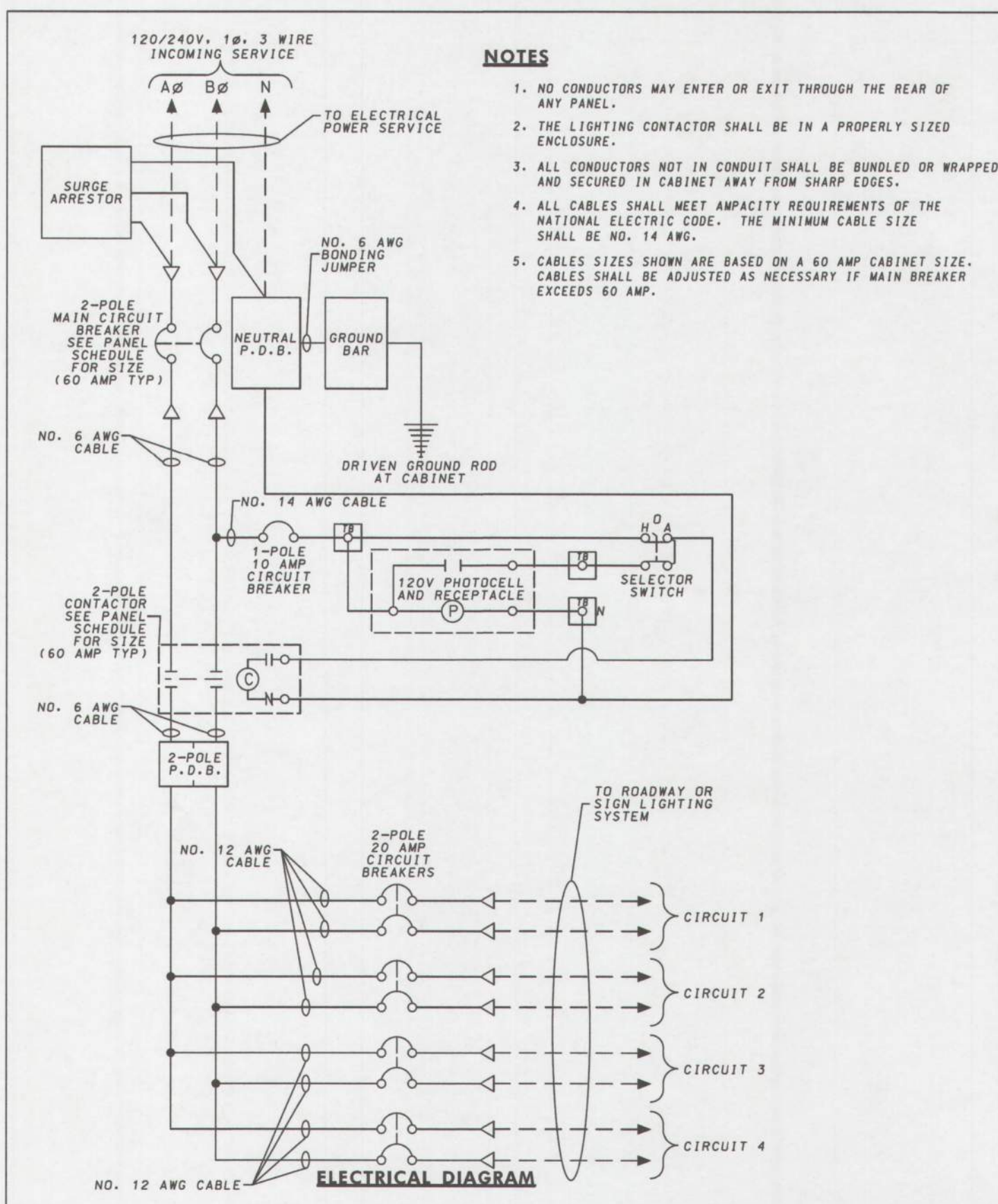


PROFESSIONAL CERTIFICATION  
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GERARD ADAMS BAXTER, II, PE

SPECIFICATION 810 CATEGORY CODE ITEMS  
APPROVED DIRECTOR - OFFICE OF TRAFFIC AND SAFETY  
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

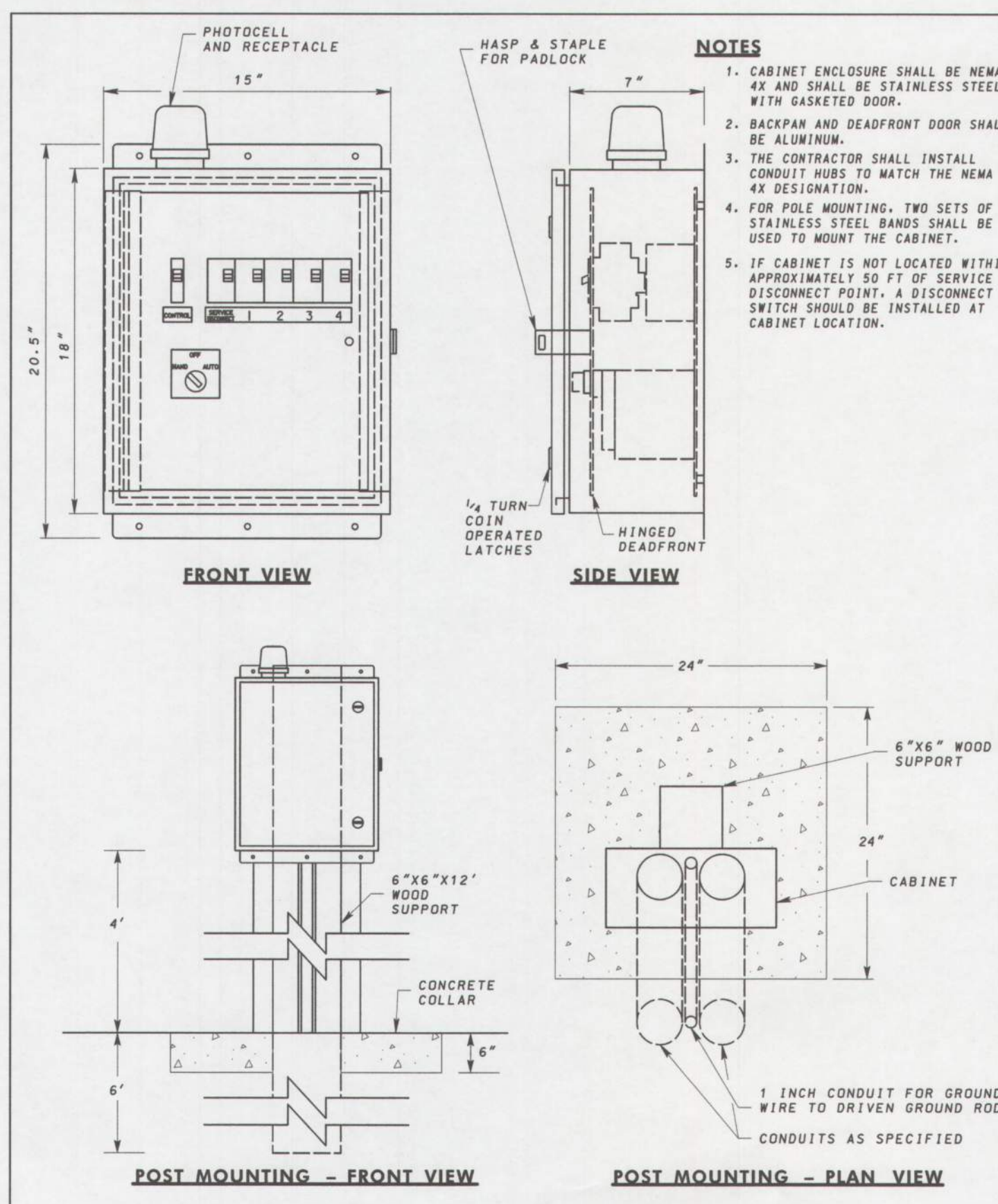


- NOTES:**
- WIRES FOR EACH CIRCUIT SHALL BE IN AN INDEPENDENT DUCT CABLE.
  - ALL DUCT CABLES NOT SERVICING THE POLE BASE SHALL NOT ENTER THE POLE BASE AND SHALL BYPASS THE FOUNDATION.
  - ALL CONNECTOR KITS SHALL BE WITHIN 2" OF FOUNDATION.



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

SPECIFICATION 807.05 CATEGORY CODE ITEMS  
APPROVED DIRECTOR - OFFICE OF TRAFFIC AND SAFETY  
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



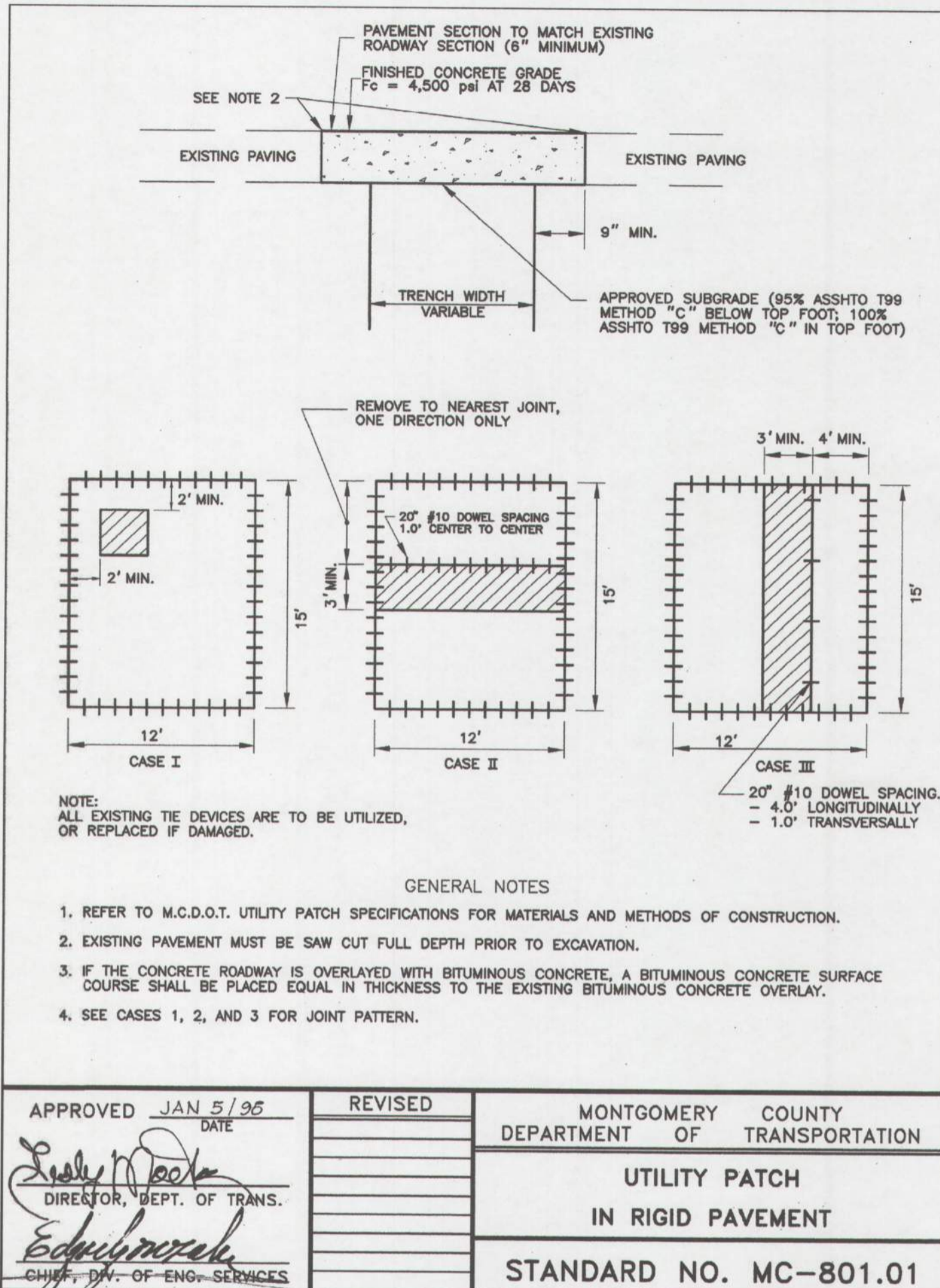
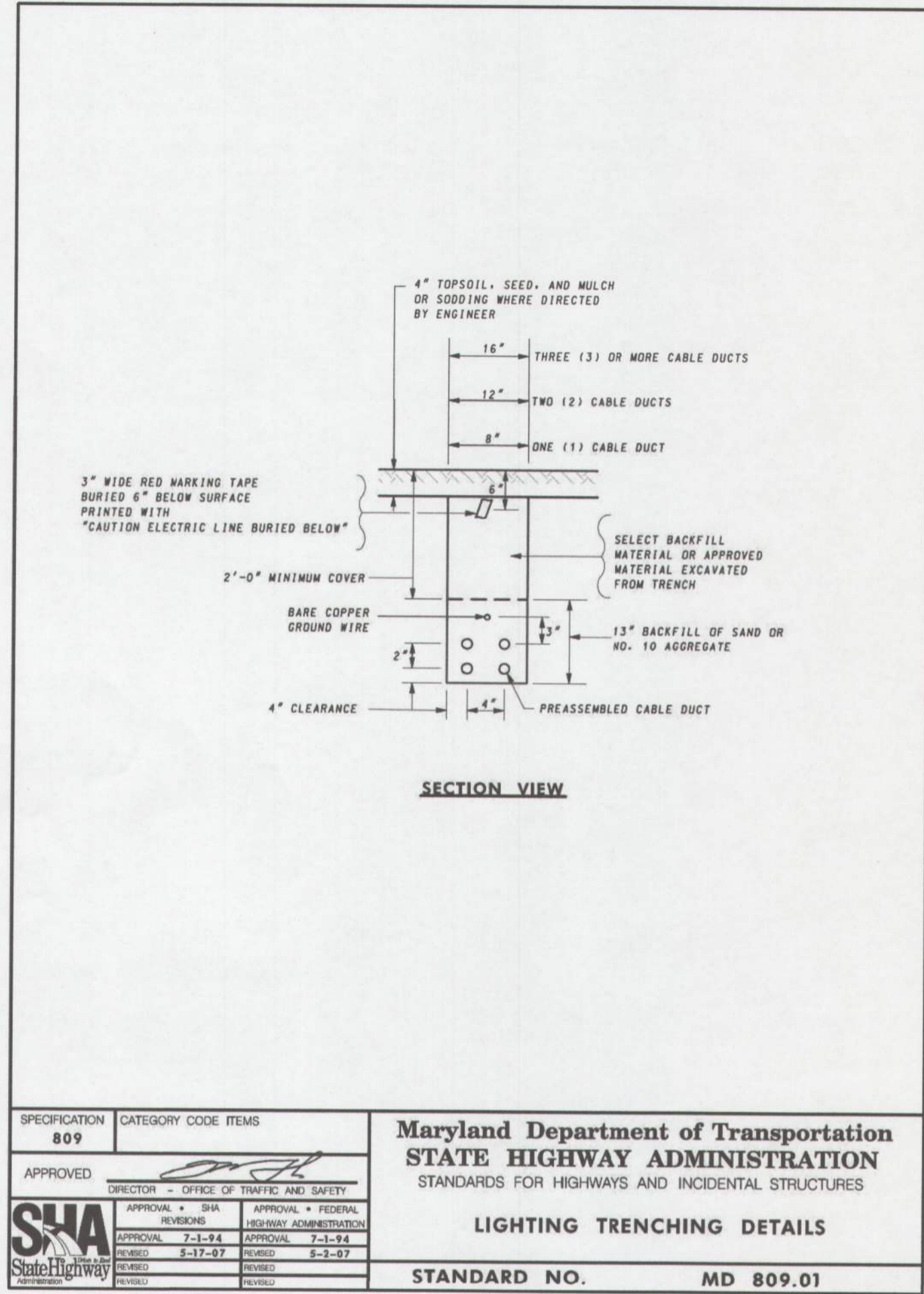
- NOTES:**
- CABINET ENCLOSURE SHALL BE NEMA 4X AND SHALL BE STAINLESS STEEL WITH GASKETED DOOR.
  - BACKPANEL AND DEADFRONT DOOR SHALL BE ALUMINUM.
  - THE CONTRACTOR SHALL INSTALL CONDUIT HUBS TO MATCH THE NEMA 4X DESIGNATION.
  - FOR POLE MOUNTING, TWO SETS OF STAINLESS STEEL BANDS SHALL BE USED TO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

SPECIFICATION 807.04 CATEGORY CODE ITEMS  
APPROVED DIRECTOR - OFFICE OF TRAFFIC AND SAFETY  
Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
REMOTE LIGHTING CONTROL CABINET  
STANDARD NO. MD 807.04

Maximum weight - 37 lbs  
Maximum effective projected area - 2.19 sq. ft.

AWDE2 P20 30K AS F BK 3 F B BK  
ACRYLIC TOP COVER REFLECTOR  
PRISMATIC ACRYLIC REFLECTOR  
PRISMATIC ACRYLIC REFRACTOR  
LUMINAIRE HOUSING  
OPTIONAL NEMA LABEL  
SLIP FITTER FOR P/B TENON  
SET SCREWS  
CAST ALUMINUM RISER (OPTIONAL)  
43" NOMINAL HEIGHT  
Ø17.25"

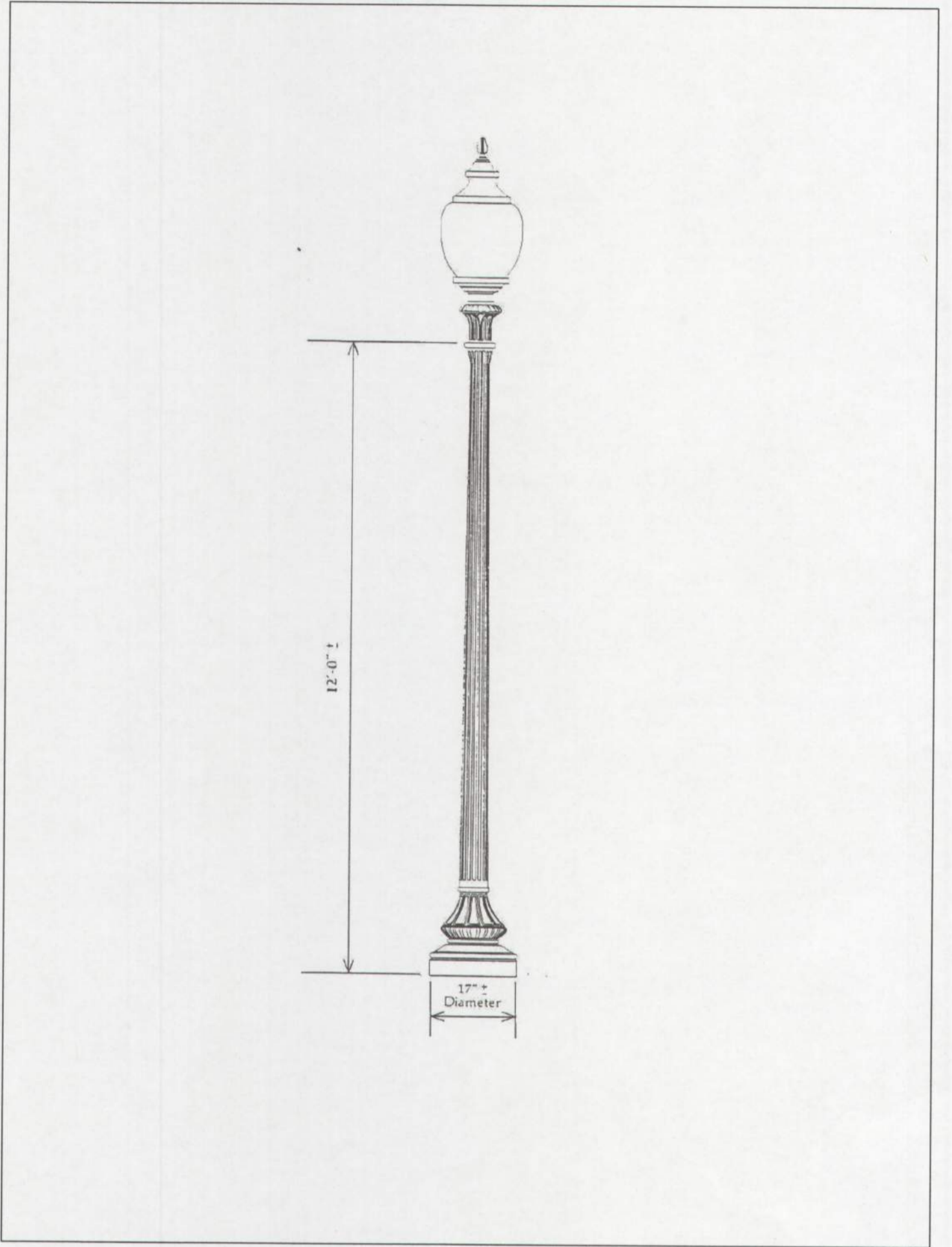
**ORDERING INFORMATION:**  
LED PERFORMANCE PACKAGE FOR SQUARE LIGHTING STRUCTURE DETAILS  
P10 = AS/20W / AH/20W  
P20 = AS/30W / AH/30W  
P30 = AS/40W / AH/40W  
P40 = AS/60W / AH/60W  
P50 = AS/80W / AH/80W  
P60 = AS/100W / AH/100W  
P70 = AS/120W / AH/120W  
P80 = AS/150W / AH/150W  
P90 = AS/180W / AH/180W  
P100 = AS/200W / AH/200W  
P110 = AS/250W / AH/250W  
P120 = AS/300W / AH/300W  
P130 = AS/350W / AH/350W  
P140 = AS/400W / AH/400W  
P150 = AS/450W / AH/450W  
P160 = AS/500W / AH/500W  
P170 = AS/550W / AH/550W  
P180 = AS/600W / AH/600W  
P190 = AS/650W / AH/650W  
P200 = AS/700W / AH/700W  
P210 = AS/750W / AH/750W  
P220 = AS/800W / AH/800W  
P230 = AS/850W / AH/850W  
P240 = AS/900W / AH/900W  
P250 = AS/950W / AH/950W  
P260 = AS/1000W / AH/1000W  
P270 = AS/1050W / AH/1050W  
P280 = AS/1100W / AH/1100W  
P290 = AS/1150W / AH/1150W  
P300 = AS/1200W / AH/1200W  
P310 = AS/1250W / AH/1250W  
P320 = AS/1300W / AH/1300W  
P330 = AS/1350W / AH/1350W  
P340 = AS/1400W / AH/1400W  
P350 = AS/1450W / AH/1450W  
P360 = AS/1500W / AH/1500W  
P370 = AS/1550W / AH/1550W  
P380 = AS/1600W / AH/1600W  
P390 = AS/1650W / AH/1650W  
P400 = AS/1700W / AH/1700W  
P410 = AS/1750W / AH/1750W  
P420 = AS/1800W / AH/1800W  
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P440 = AS/1900W / AH/1900W  
P450 = AS/1950W / AH/1950W  
P460 = AS/2000W / AH/2000W  
P470 = AS/2050W / AH/2050W  
P480 = AS/2100W / AH/2100W  
P490 = AS/2150W / AH/2150W  
P500 = AS/2200W / AH/2200W  
P510 = AS/2250W / AH/2250W  
P520 = AS/2300W / AH/2300W  
P530 = AS/2350W / AH/2350W  
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P550 = AS/2450W / AH/2450W  
P560 = AS/2500W / AH/2500W  
P570 = AS/2550W / AH/2550W  
P580 = AS/2600W / AH/2600W  
P590 = AS/2650W / AH/2650W  
P600 = AS/2700W / AH/2700W  
P610 = AS/2750W / AH/2750W  
P620 = AS/2800W / AH/2800W  
P630 = AS/2850W / AH/2850W  
P640 = AS/2900W / AH/2900W  
P650 = AS/2950W / AH/2950W  
P660 = AS/3000W / AH/3000W  
P670 = AS/3050W / AH/3050W  
P680 = AS/3100W / AH/3100W  
P690 = AS/3150W / AH/3150W  
P700 = AS/3200W / AH/3200W  
P710 = AS/3250W / AH/3250W  
P720 = AS/3300W / AH/3300W  
P730 = AS/3350W / AH/3350W  
P740 = AS/3400W / AH/3400W  
P750 = AS/3450W / AH/3450W  
P760 = AS/3500W / AH/3500W  
P770 = AS/3550W / AH/3550W  
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P840 = AS/3900W / AH/3900W  
P850 = AS/3950W / AH/3950W  
P860 = AS/4000W / AH/4000W  
P870 = AS/4050W / AH/4050W  
P880 = AS/4100W / AH/4100W  
P890 = AS/4150W / AH/4150W  
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P1060 = AS/5000W / AH/5000W  
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P1080 = AS/5100W / AH/5100W  
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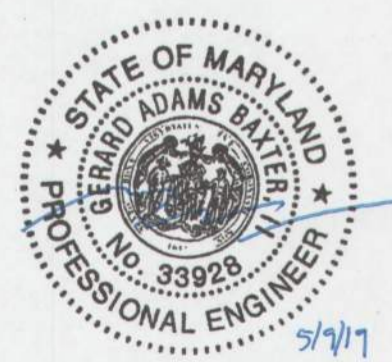
**LIGHTING - GENERAL NOTES**

- CENTER OF CABLE TRENCH SHALL BE 3' BEHIND THE CENTER OF LIGHTING STRUCTURES UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN CASE OF DAMAGE TO AN EXISTING FACILITY.
- THE CONTRACTOR SHALL REPLACE ALL CONCRETE CUTTERS, FLUMES, UNDERDRAINS AND OTHER CONCRETE STRUCTURES DAMAGED OR REMOVED DURING THE INSTALLATION OF FOUNDATIONS AND CABLE.
- LIGHTING STRUCTURES SHALL NOT BE PLACED ON THE ROADWAY SIDE OF EXISTING OR PROPOSED TRAFFIC BARRIER # BEAM OR CONCRETE TRAFFIC BARRIER WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CABLE SHALL BE BY EXOTHERMIC WELD.
- CONDUCTORS SHALL NOT BE SPLICED EXCEPT IN STRUCTURES, HANHOLES AND PULL OR JUNCTION BOXES. ALL HANHOLES, CONDUITS UNDER PAVEMENTS, LIGHTING STRUCTURES, ETC. SHALL BE STAKED OUT AND EVERY LOCATION APPROVED BY THE ENGINEER BEFORE ANY WORK IS DONE.
- ALL DRIVEN CONDUIT SHALL BE PLACED UNDER PAVEMENT BY DIRECTIONAL BORING OR JACKING.
- 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.
- ALL LIGHTING STRUCTURES NOT PROTECTED BY TRAFFIC BARRIER SHALL BE ON BREAKAWAY BASES.
- 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 RECESSED, WELDED OR SOLDERED MUST BE COVERED TO PREVENT EROSION. ALL SOIL NOT USED FOR BACKFILL MUST BE REMOVED ON THE SAME WORKING DAY.
- ALL SOIL REMOVED FOR MANHOLES, 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	<b>Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION</b> STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  <b>LIGHTING GENERAL NOTES</b>  STANDARD NO. MD 800.01-05
APPROVED	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY  APPROVAL - SHA REVIEWED - 7-1-84 APPROVED - 5-17-87 REVIEWED - 5-2-87	



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



**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

**MONTCLAIR MANOR**  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

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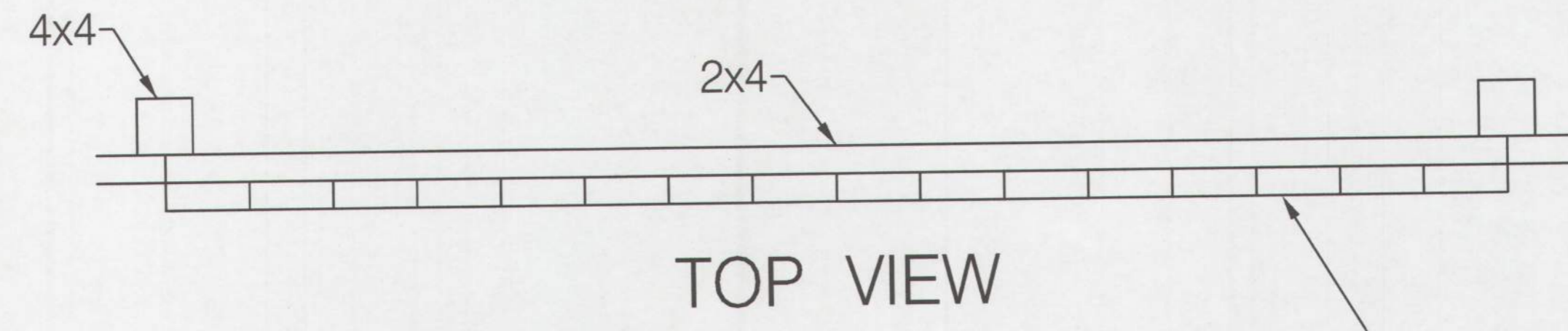
**STANDARD DETAILS**

SCALE \_\_\_\_\_ NTS \_\_\_\_\_ ADVERTISED DATE \_\_\_\_\_ N/A \_\_\_\_\_ CONTRACT NO. \_\_\_\_\_

DESIGNED BY \_\_\_\_\_ AHB \_\_\_\_\_ COUNTY \_\_\_\_\_ MONTGOMERY COUNTY \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_ AHB \_\_\_\_\_ LOGMILE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ GAB \_\_\_\_\_ 30' \_\_\_\_\_ 0 \_\_\_\_\_ 30' \_\_\_\_\_ 60'  
 DPS PERMIT \_\_\_\_\_ SCALE: 1"=30'

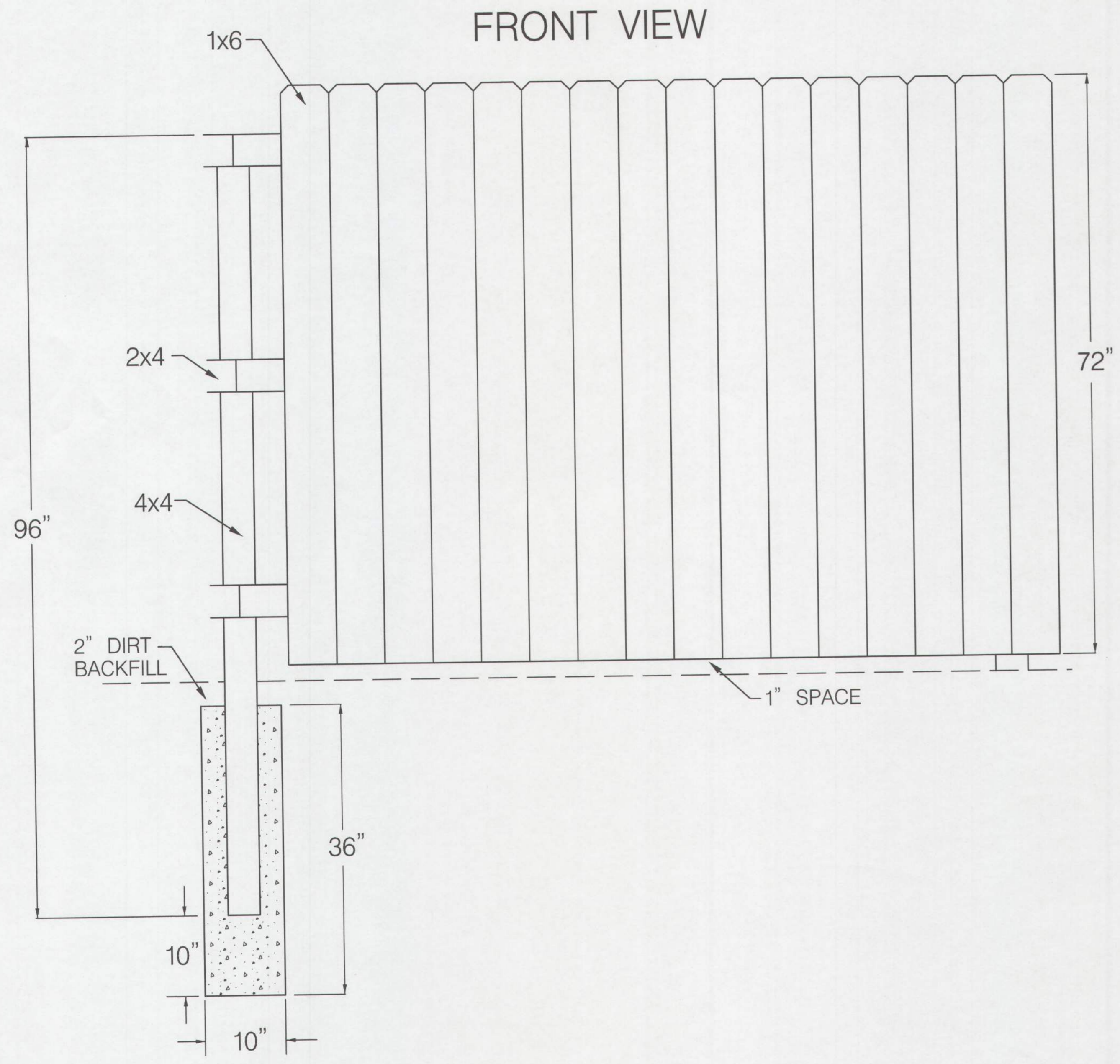
DRAWING NO. **DE-02** OF **03** SHEET NO. 10 OF 12

BY: Stratmeyer

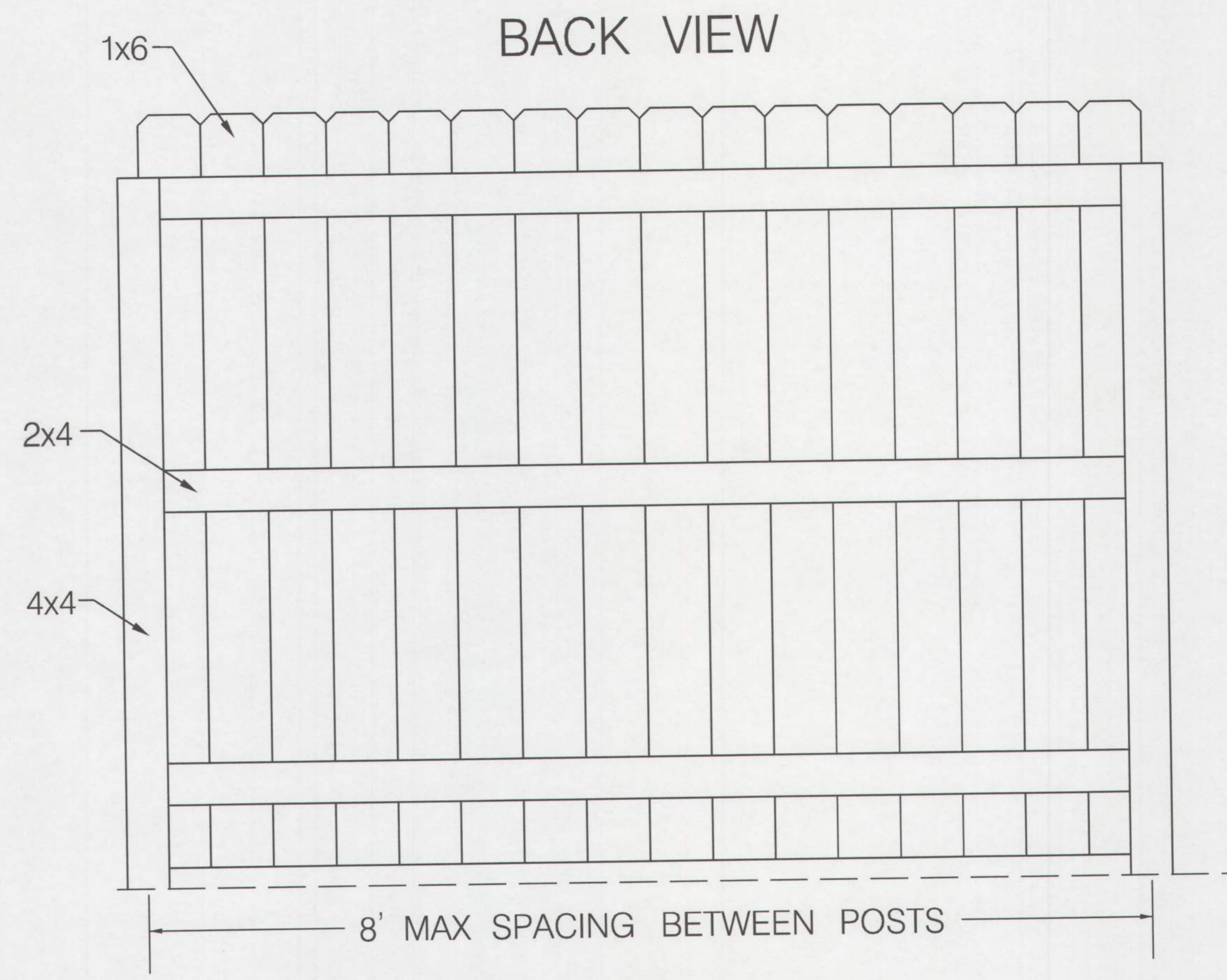


TOP VIEW

VERTICAL WOODEN FENCE BOARDS OR PICKETS TO BE FACING COMMUNITY.



FRONT VIEW



BACK VIEW

8' MAX SPACING BETWEEN POSTS

NOTES:

1. USE MIX 3 CONCRETE FOR POST FOOTERS.



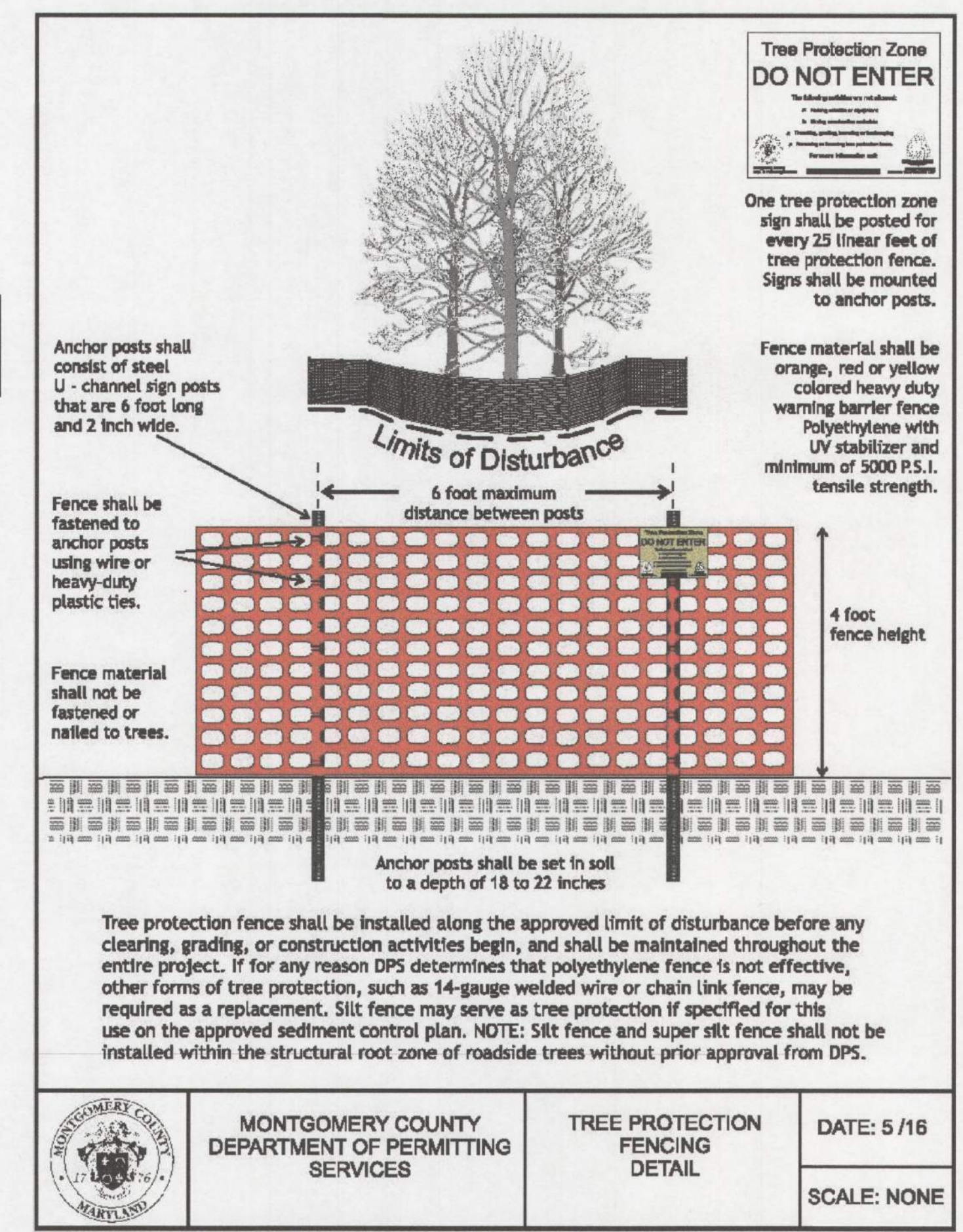
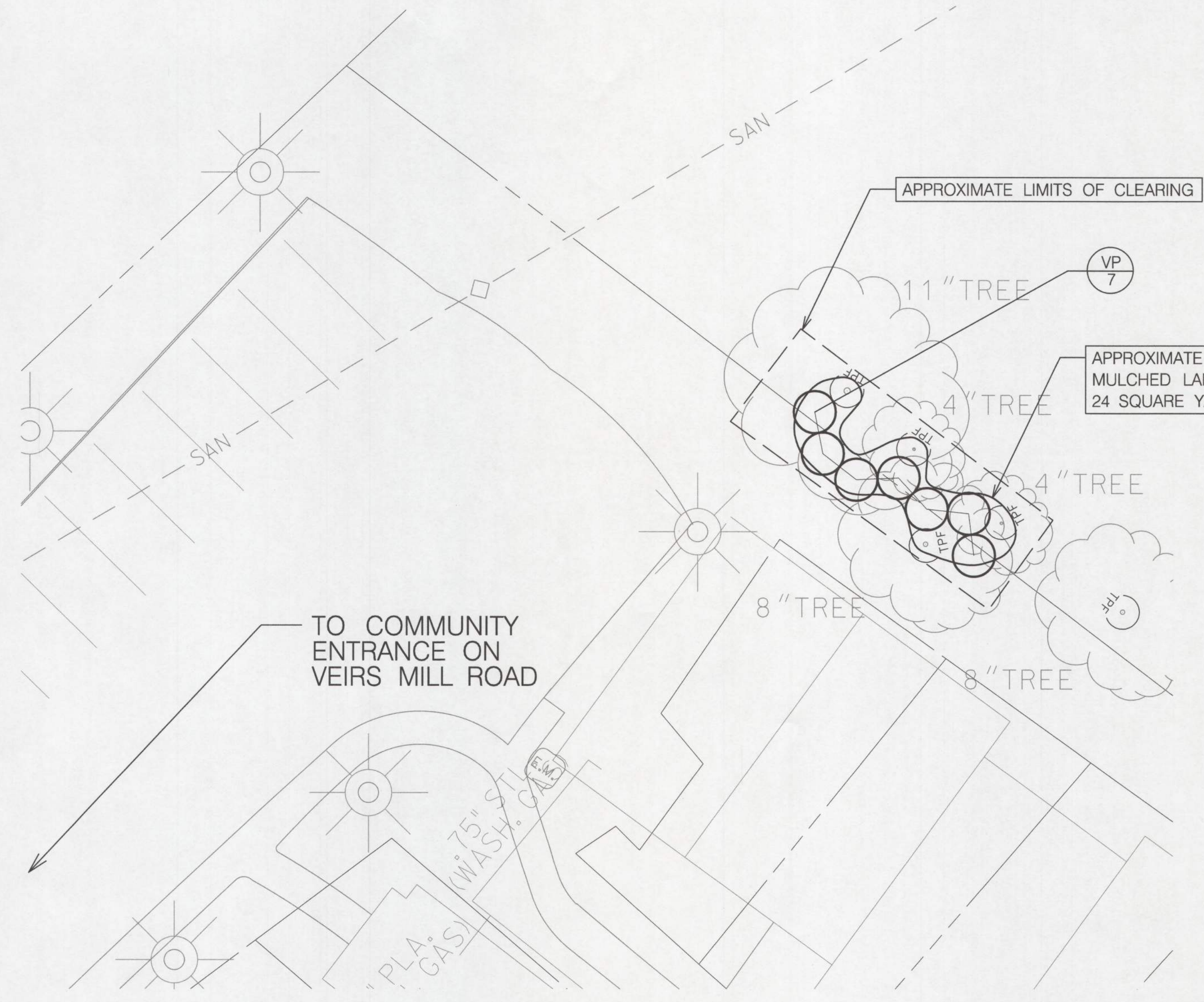
BY: aborkiewicz



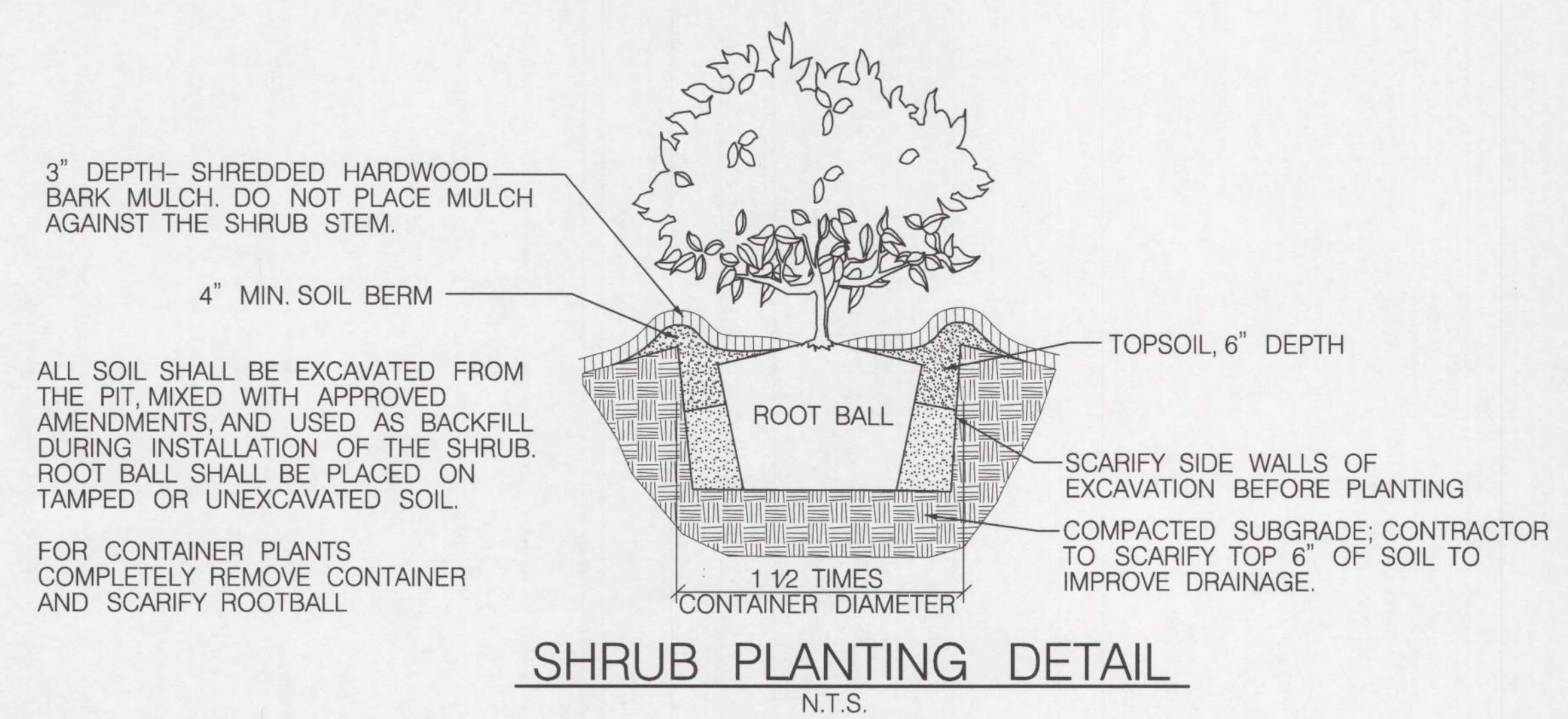
**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE STATE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33928, EXPIRATION DATE: 01/15/2021.  
 GERARD ADAMS BAXTER, II, PE

<b>MONTGOMERY COUNTY</b> DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS			
MONTCLAIR MANOR COMMUNITY LIGHTING AND SITE IMPROVEMENTS			
<b>STANDARD DETAILS</b>			
SCALE	NONE	ADVERTISED DATE	N/A
		CONTRACT NO.	13-0707-002
DESIGNED BY	RJS	COUNTY	MONTGOMERY COUNTY
DRAWN BY	RJS	LOGMILE	
CHECKED BY	JJR		
DPS PERMIT			
DRAWING NO.	DE - 03	OF	03
		SHEET NO.	11 OF 12

PLANTING SCHEDULE [TOTAL]							
	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING/REMARKS
SHRUBS	VP	7	<i>Viburnum x pragense</i>	Prague Viburnum	24" HT.	#3 CONT.	5' o.c.



- NOTES:
1. DOCUMENT EXISTING CONDITIONS WITH DIGITAL PHOTOGRAPHY PRIOR TO ANY CONSTRUCTION ACTIVITIES AND AT THE DIRECTION OF THE COUNTY INSPECTOR IN THE FIELD.
  2. INSTALL TREE PROTECTION FENCE, AS SHOWN, AFTER EXISTING CONDITIONS HAVE BEEN PROPERLY DOCUMENTED.
  3. REMOVE ALL SHRUBS AND VINES, INCLUDING ROOT STRUCTURE, FROM WITHIN THE LIMITS OF CLEARING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOT DISTURB OR DAMAGE THE EXISTING FENCES WHEN REMOVING VEGETATION FROM THEM.
  4. ALL WORK IS TO BE CONDUCTED BY HAND TOOLS, ONLY, TO MAINTAIN THE HEALTH OF THE EXISTING TREES.
  5. REMOVE ALL REMAINING DEBRIS AND DISPOSE OF PROPERLY.
  6. PRUNING OF EXISTING TREES TO REMAIN MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL AND AS DIRECTED BY THE COUNTY INSPECTOR IN THE FIELD.
  7. INSTALL TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES IN AREA THAT SHRUBS ARE TO BE INSTALLED.
  8. AFTER SUCCESSFUL SHRUB INSTALLATION, INSTALL SHREDDED HARDWOOD BARK MULCH TO A DEPTH OF 3 INCHES THROUGHOUT THE PLANTING BED AND THE EXISTING TREES.
  9. CONTRACTOR TO STABILIZE ALL IMPACTED TURF AREA WITH 2" OF TOPSOIL, AS NEEDED, AND TURFGRASS SEED AS PER THE SPECIFICATIONS.



**MONTGOMERY COUNTY**  
DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

MONTCLAIR MANOR  
COMMUNITY LIGHTING AND SITE IMPROVEMENTS

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**LANDSCAPE PLAN**

SCALE: 1/8" = 1'-0" ADVERTISED DATE: N/A CONTRACT NO. \_\_\_\_\_

DESIGNED BY: SJR COUNTY: MONTGOMERY COUNTY  
DRAWN BY: SJR LOGMILE: \_\_\_\_\_  
CHECKED BY: JSC SCALE: 1" = 10'  
DPS PERMIT: \_\_\_\_\_

DRAWING NO. **LS - 01** OF **01** SHEET NO. 12 OF 12



BY: Stralmeyer -