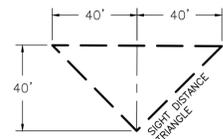
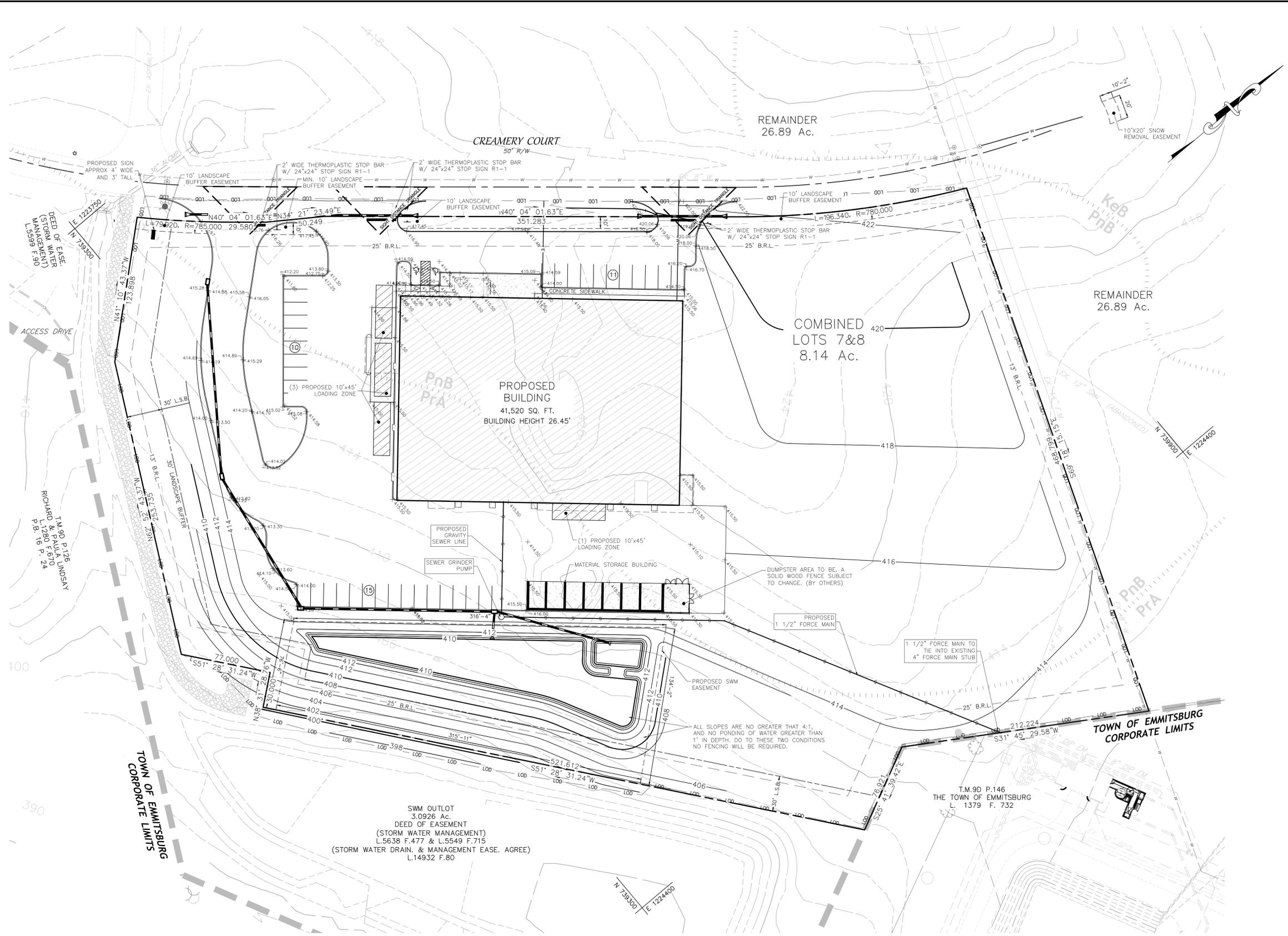


LEGEND

- EXISTING PROPERTY LINE
- - - ADJOINING PROPERTY LINE
- - - PROPOSED PROPERTY LINE
- - - EXISTING PROPERTY SETBACK LINE
- - - PROPOSED PROPERTY SETBACK LINE
- - - EXISTING EASEMENT
- - - PROPOSED EASEMENT
- - - EXISTING RIGHT-OF-WAY
- - - PROPOSED RIGHT-OF-WAY
- - - EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- - - EXISTING SOIL BOUNDARY & TYPE
- - - EXISTING INTERMEDIATE CONTOUR
- - - EXISTING INDEX CONTOUR
- - - PROPOSED INTERMEDIATE CONTOUR
- - - PROPOSED INDEX CONTOUR
- - - PROPOSED SPOT ELEVATION
- - - EXISTING STORM DRAIN
- - - PROPOSED STORM DRAIN
- - - EXISTING GAS LINE
- - - PROPOSED GAS LINE
- - - EXISTING SANITARY SEWER
- - - PROPOSED SANITARY SEWER
- - - EXISTING ELECTRIC
- - - PROPOSED UNDERGROUND ELECTRIC
- - - EXISTING WATER LINE
- - - PROPOSED WATER LINE
- - - PROPOSED LIMITS OF DISTURBANCE
- - - EXISTING WATER STRUCTURE
- - - EXISTING WATER VALVE
- - - EXISTING FIRE HYDRANT
- - - PROPOSED WATER STRUCTURE
- - - PROPOSED WATER VALVE
- - - PROPOSED FIRE HYDRANT
- - - EXISTING SEWER MANHOLE
- - - PROPOSED SEWER MANHOLE
- - - EXISTING STORM DRAIN MANHOLE
- - - PROPOSED STORM DRAIN MANHOLE
- - - EXISTING IRON PIN
- - - EXISTING RAILROAD SPIKE
- - - SET IRON PIN
- - - SET RAILROAD SPIKE
- - - SIGN
- - - UTILITY POLE
- - - LIGHT POLE
- - - PARKING QUANTITY
- - - LOADING ZONE



SIGHT TRIANGLE DETAIL



HATCH LEGEND

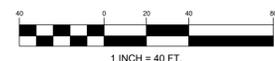
- CONCRETE 7,922 SQ. FT.
- BITUMINOUS CONCRETE PARKING LOT 7,878 SQ. FT.
- BITUMINOUS CONCRETE ROAD 14,395 SQ. FT.
- PROPOSED BUILDING 41,263 SQ. FT.

UTILITY NOTIFICATION

CIVILLER, LLC CANNOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES AT THE CONSTRUCTION SITE. SHOWN ON THESE CONSTRUCTION DRAWINGS ARE THOSE UTILITIES WHICH HAVE BEEN IDENTIFIED BY ABOVE GROUND INDICATORS AND AVAILABLE UTILITY AND AS-BUILT DRAWINGS. IT IS THE RESPONSIBILITY OF THE OWNERS OR OPERATORS AND CONTRACTORS TO ASSURE THEMSELVES THAT NO HAZARDS EXIST OR DAMAGE WILL OCCUR TO UTILITIES. IT IS SUGGESTED THAT 811 BE CONTACTED AT: PHONE NO. 1-800-248-1786



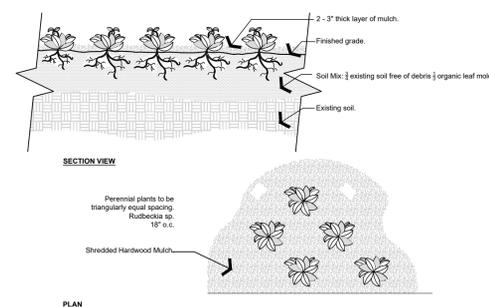
**Know what's below.
Call before you dig.
DIAL 811 or 800-248-1786**



DATE	12-23-2020
DESCRIPTION	
#	1 ORIGINAL
ISSUE	
<p>PREPARED FOR: FEDERAL STONE INDUSTRIES, INC. 142 WATER STREET THURSDAY, PA 17236 P-301-271-1121</p>	
<p>CIVILLER LLC 11854 Two Top Road Mercersburg, PA 17236 717-360-2159 Civiller-PA @ Outlook.com</p>	
<p>FEDERAL STONE INDUSTRIES, INC. EMMITSBURG EAST INDUSTRIAL PARK II</p>	
DRAWN BY	CMM
CHECKED BY	
PROJECT No.	2020-1
SHEET	02
2 OF 2	

LEGEND

- EXISTING PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING PROPERTY SETBACK LINE
- PROPOSED PROPERTY SETBACK LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING SOIL BOUNDARY & TYPE
- EXISTING INTERMEDIATE CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
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- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- EXISTING GAS LINE
- PROPOSED GAS LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED LIMITS OF DISTURBANCE
- EXISTING WATER STRUCTURE
- EXISTING WATER VALVE
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- PROPOSED STORM DRAIN MANHOLE
- EXISTING IRON PIN
- EXISTING RAILROAD SPIKE
- SET IRON PIN
- SET RAILROAD SPIKE
- SIGN
- UTILITY POLE
- LIGHT POLE
- PARKING QUANTITY
- LOADING ZONE



Notes:
 1- See planting legend for perennial species, size, and spacing dimension.

P Perennials
 3/4" = 1'-0"

LANDSCAPE SCREENING BUFFER
 (TYPE 3) Length = 378 LF Width = 30'
 Adjacent Use: Single Family Detached

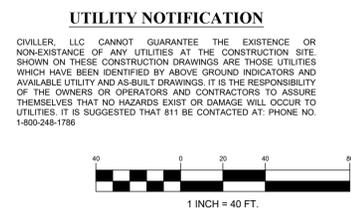
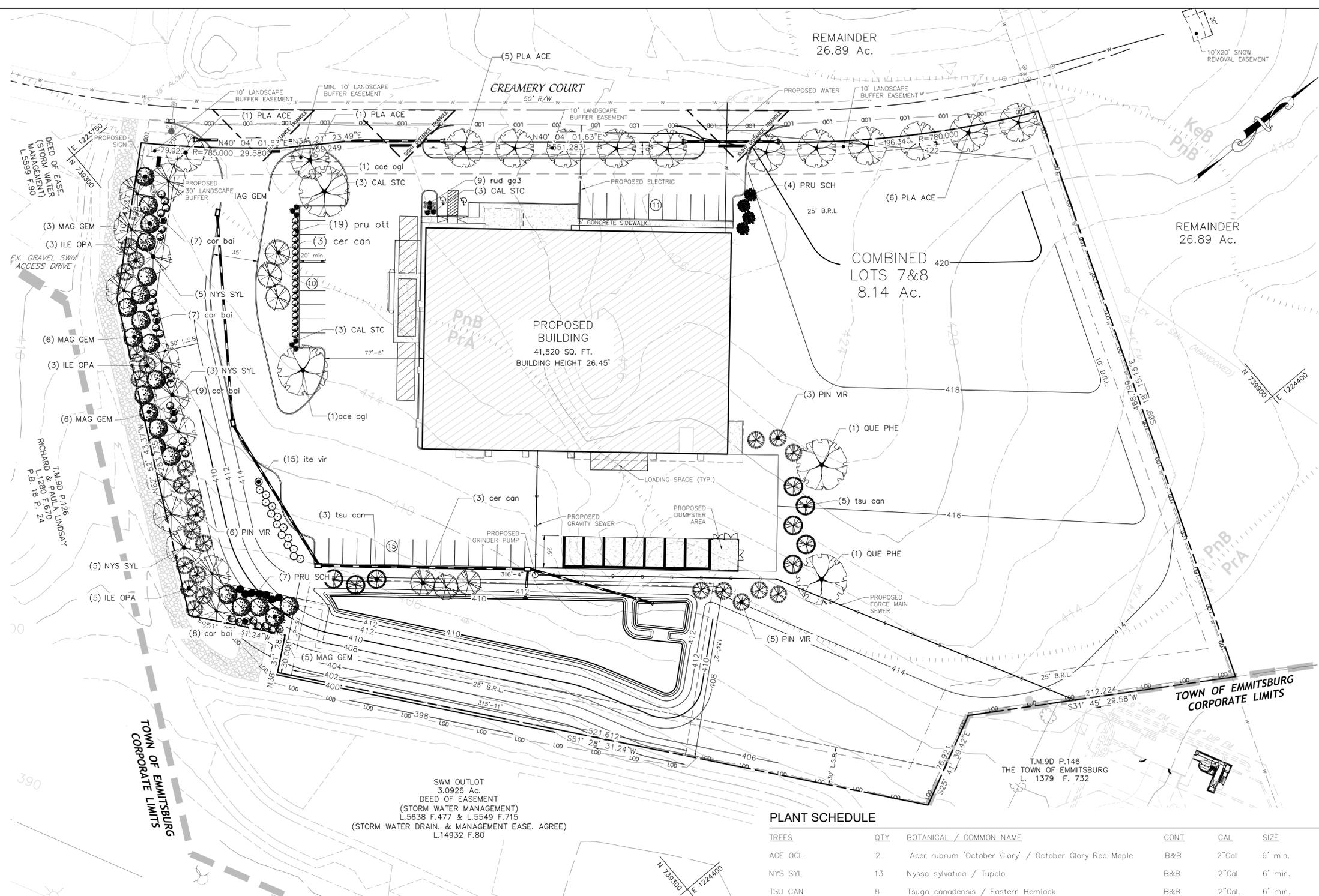
	Qty Req'd	Qty Prov'd
Shade Tree(s)	1 PER 30 LF (13 Trees)	13 Trees
Evergreen Tree(s)	1 PER 10 LF (38 Trees)	38 Trees
Shrubs	1 PER 10 LF (38 Shrubs)	38 Shrubs

LANDSCAPE DUMPSTER SCREENING
 Length = 68 LF Width = N/A

	Qty Req'd	Qty Prov'd
Shade Tree(s)	1 PER 40 LF (2 Trees)	2 Trees
Evergreen Tree(s)	1 PER 5 LF (14 Trees)	14 Trees

STREET TREE REQUIREMENT
 R.O.W. Length = 707 LF Width = N/A

	Qty Req'd	Qty Prov'd
Shade Tree(s)	2 PER 100 LF (14 Trees)	14 Trees



PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
ACE OGL	2	Acer rubrum 'October Glory' / October Glory Red Maple	B&B	2"Cal	6' min.
NYS SYL	13	Nyssa sylvatica / Tupelo	B&B	2"Cal	6' min.
TSU CAN	8	Tsuga canadensis / Eastern Hemlock	B&B	2"Cal.	6' min.
PLA ACE	14	Platanus x acerfolia (Cottonless,Male only)/London sycamore	B&B	2"Cal.	6' min.
QUE PHE	2	Quercus phellos / Willow oak	B&B	2"Cal	6' min.
EVERGREEN	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
PIN VIR	14	Pinus virginiana / Virginia Pine	B&B		6' min.
MAG GEM	21	Magnolia grandifolia 'Little gem' / 'Little gem' Magnolia	B&B	2"CAL.	6' min..
ILE OPA	11	Ilex opaca / American holly	B&B	2"Cal.	6' min.
FLOWERING TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
CER CAN	6	Cercis canadensis / Eastern Redbud	B&B	2"Cal	6' min.
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE		
COR BAI	31	Cornus baileyi / Bailey's Red-twig Dogwood	5 gal		
ITE VIR	15	Itea virginica / Virginia Sweetspire	5 gal		
PRU OTT	19	Prunus laurocerasus 'Otto Luyken' / Luykens Laurel	5 gal		
PRU SCH	13	Prunus laurocerasus 'Schipkaensis' / Schipka Laurel	5 gal		
ANNUALS/PERENNIALS	QTY	BOTANICAL / COMMON NAME	SIZE		
RUD GO3	9	Rudbeckia fulgida sultivantii 'Goldsturm' / Black-eyed Susan	1 gal		
GRASSES	QTY	BOTANICAL / COMMON NAME	SIZE		
CAL STC	9	Calamagrostis acutiflora 'Stricta' / Feather Reed Grass	3 gal		

DATE	DESCRIPTION
12-23-2020	
1	ORIGINAL

ISSUE

PREPARED FOR:
 FEDERAL STONE INDUSTRIES, INC.
 142 WATER STREET
 THURMONT, MARYLAND 21788
 P - 301-271-7121

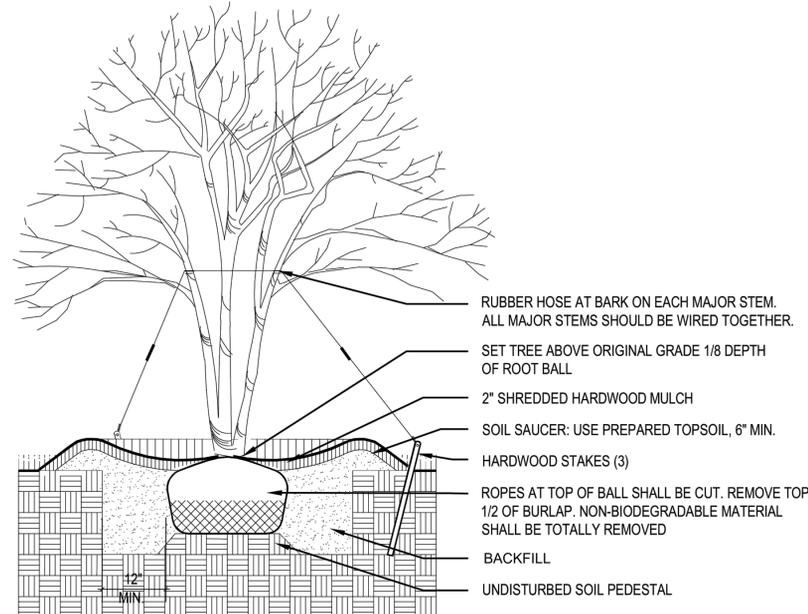
CIVILLER LLC
 11854 Two Top Road
 Mercersburg, PA 17236
 717-360-2159
 Civiller-PA@Outlook.com

FEDERAL STONE INDUSTRIES, INC.
EMMITSBURG EAST INDUSTRIAL PARK II
LANDSCAPING PLAN

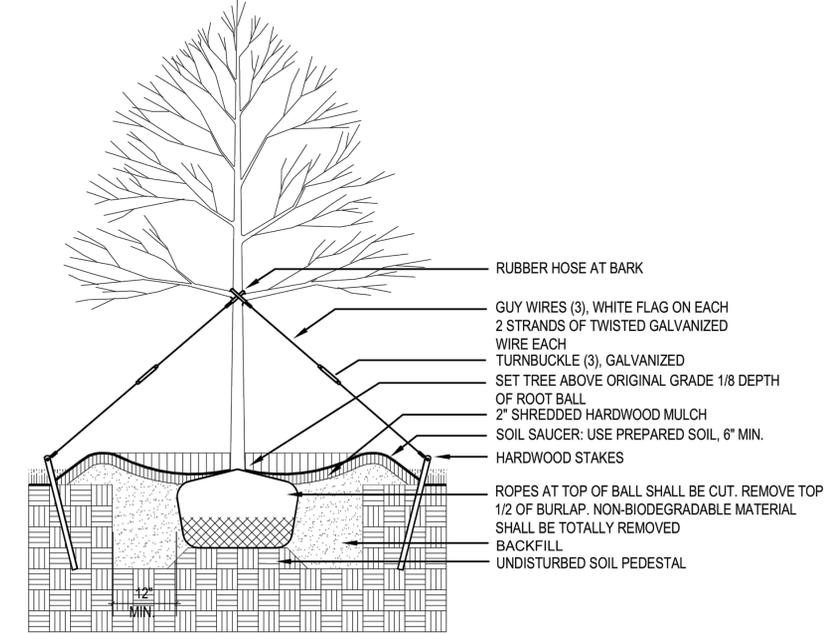
DRAWN BY	CMM
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PROJECT No.	2020-1
SHEET	
01	
1 OF 2	

SPECIFICATIONS FOR PLANTING

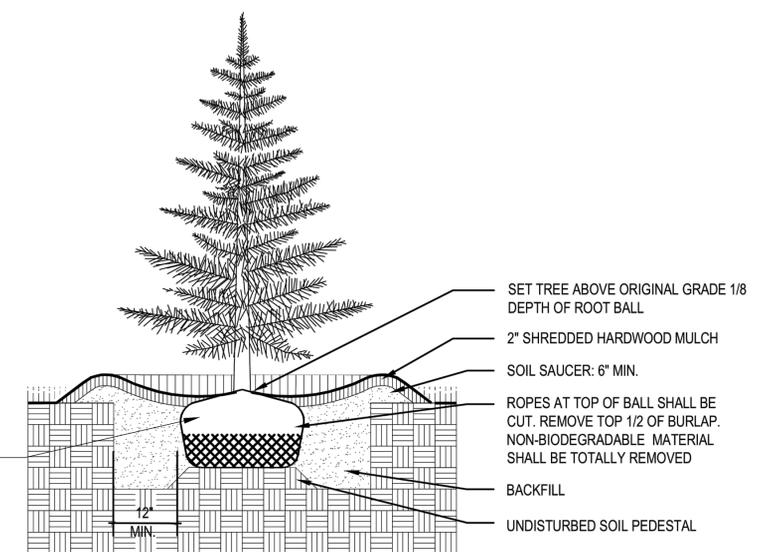
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS. THE PROJECT LANDSCAPE ARCHITECT PRIOR TO THE PLANTING MUST APPROVE ADJUSTMENTS TO LOCATIONS OF PLANT MATERIAL DUE TO FIELD CONDITIONS. ANY SUBSTITUTIONS IN PLANT MATERIAL AND SIZES SPECIFIED WILL NOT BE ACCEPTED, UNLESS APPROVED BY PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANT MATERIAL SHALL CONFORM THE AMERICAN STANDARD FOR NURSERY, LATEST EDITION, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. ALL PLANTS MUST BE FREE FROM INJURY, INSECT INFESTATIONS AND DISEASE. ALL PLANT MATERIAL MUST BE INSPECTED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLANTING. THE CONTRACTOR SHALL PHONE AT LEAST THREE (3) DAYS PRIOR TO INSTALLATION FOR INSPECTION OF THE MATERIAL AND FOR INSPECTION OF THE PLANTING OPERATION.
- ALL PLANT MATERIAL MUST BEAR ORIGINAL NURSERY TAGS INDICATING THE GENUS, SPECIES AND IF APPLICABLE, CULTIVARS AND VARIETY. ALL TAGS SHALL BE REMOVED AFTER THE PROJECT LANDSCAPE ARCHITECT HAS INSPECTED THE PLANT MATERIAL.
- TEST SOIL DRAINAGE BEFORE PLANTING. DIG A HOLE AS DEEP AS YOUR PLANTING HOLE AND FILL WITH WATER. IF WATER DRAINS AT A RATE LESS THAN ONE INCH PER HOUR, INSTALL DRAINAGE TO CARRY WATER AWAY FROM THE PLANTING HOLE BASE, OR MOVING OR RAISING THE PLANTING SITE (BERM CONSTRUCTION)
- EXAMINE SOIL FOR COMPACTION BEFORE PLANTING. IF SOILS ARE COMPACTED IN AN AREA WHERE A GROUP OF PLANTS ARE TO BE INSTALLED, INCORPORATED SEVERAL INCHES OF A COMBINATION OF ORGANIC MATERIALS SUCH AS COMPOSTED YARD WASTE, FINELY SHREDDED PINE BARK MULCH (SUPERFINES) OR SHREDDED, COMPOSTED LEAF MULCH (LEAF-GRO) AND TILL TO A DEPTH OF TWELVE (12) TO EIGHTEEN (18) INCHES OVER THE ENTIRE AREA. DO NOT TILL IF PLANTING IS WITHIN A TREE PRESERVATION AREA. APPLY THE ORGANIC MATTER AT A RATE OF ONE-QUARTER ORGANIC MATTER TO THREE-QUARTERS EXISTING SOIL. DO NOT INCORPORATE SMALL QUANTITIES OF SAND - COMPACTION WILL INCREASE AND DRAINAGE DECREASES. FOR SINGLE TREE PLANTINGS, BACKFILL PLANTING HOLES WITH UNAMENDED SOIL. INCREASE THE WIDTH OF THE TOP OF THE PLANTING HOLE IN AREA WHERE SOIL HAS BEEN COMPACTED. DO NOT INCORPORATE ORGANIC MATTER SUCH AS PEAT MOSS INTO BACKFILL FOR INDIVIDUAL PLANTING HOLES.
- TREE PITS SHALL BE A MINIMUM OF TWO (2) AND A HALF (1/2) TIMES THE WIDTH OF THE ROOT BALL AND NO DEEPER THAN THE HEIGHT OF THE ROOT BALL. ON BALLED AND BURLAPED TREES, REMOVE PINNING NAILS OR ROPE LACING, THEN CUT AWAY THE WRAPPING AND THEN BACKFILL. REMOVE THE TOP 12" OF THE WIRE BASKET. REMOVE ALL ROPE, WHETHER LUTE OR NYLON, FROM TRUNKS. FOR CONTAINER MATERIALS, REMOVE THE CONTAINER COMPLETELY. SELECT TREES GROWN IN CONTAINERS WITH VERTICAL RIBS OR A COPPER-TREATMENT ON THE INTERIOR WALL. THESE CONTAINER MODIFICATION AND TREATMENTS MINIMIZE CIRCLING ROOT FORMATION. IF ROOTS ARE CIRCLING AROUND THE ROOT BALL EXTERIOR OF CONTAINER PLANTS (TREES, SHRUBS OR PERENNIALS) CUT THROUGH THE ROOTS AND SOIL IN A FEW PLACES. CONTAINER TREE WITH MULTIPLE CIRCLING ROOTS WILL BE REJECTED. PLACE SHRUBS AND PERENNIALS AT THE SAME DEPTH THEY WERE IN THE CONTAINERS. FOR BARE ROOT PERENNIALS PLANT WITH THE SOIL EVEN WITH THE TOP OF THE CROWN. DIG THE HOLE WIDE ENOUGH TO ALLOW THE ROOTS TO SPREAD OUT IN THE SOIL. PUSH THE SOIL BACK INTO THE HOLE OVER THE ROOTS AND AROUND THE TOP OF THE PLANT.
- WHEN HALF OF THE BACKFILL HAS BEEN RETURNED TO THE PLANTING HOLE, WATER SHALL BE APPLIED TO PROVIDE SETTLEMENT AND ELIMINATE AIR POCKETS. THE TREE SHALL BE THOROUGHLY WATERED AGAIN AFTER THE REMAINING SOIL HAS BEEN PLACED IN THE PLANTING PIT. A THREE (3) TO FOUR (4) INCH DAM OF SOIL SHALL BE CONSTRUCTED AROUND THE PLANTING PIT.
- TWO (2) TO THREE (3) INCHES OF MULCH SHALL BE PLACED OVER THE TREE-PLANTING PIT, BUT SHALL BE KEPT THREE (3) TO FOUR (4) INCHES AWAY FROM THE TRUNK OF THE TREE OR CROWNS OF SHRUBS. DO NOT ALLOW MULCH TO TOUCH THE TRUNKS OF TREES OR CROWNS OF SHRUBS. USE MULCH THAT IS COMPATIBLE WITH THE TYPE OF PLANT USED. AVOID MULCH THAT HAS NOT BEEN NITROGEN COMPOSTED, AS THE PH OF THE SOIL COULD CHANGE AS THE MULCH DEGRADES. PINE BARK MULCH WILL NOT CHANGE THE PH OF THE SOIL AS IT DEGRADES. THIS IS THE BEST TYPE OF MULCH FOR USE WITH PERENNIALS. IN MULCHING PERENNIALS, USE NO MORE THAN 1-2". FOR MEDITERRANEAN TYPE OF PERENNIALS, SUCH AS LAVENDER, OR FOR PEONIES OR IRIS, USE NO MULCH AT ALL.
- TREES SHALL BE PLANTED AT THE HEIGHT OF THE SURROUNDING GRADE WITH ROOT FLARES VISIBLE. SHOULD SOIL HAVE BEEN PILED OVER THE ROOT FLARE DURING THE DIGGING PROCESS, THIS SOIL SHALL BE REMOVED SO THAT THE FLARE IS SLIGHTLY ABOVE GRADE.
- PRUNING AT THE TIME OF PLANTING SHALL BE DONE ONLY TO REMOVE BROKEN BRANCHES OR DOUBLE (CO DOMINANT) LEADERS.
- REMOVE TAGS AND LABELS FROM TREES AND SHRUBS TO PREVENT GIRDLING BRANCHES AND TRUNKS.
- STAKES SHALL BE USED ONLY IN AREA OF HIGH TRAFFIC OR HIGHLY WINDY LOCATIONS. A TREE-STAKING DIAGRAM SHOULD BE PROVIDED IF STAKING IS NECESSARY. STAKE FOR MAXIMUM OF ONE YEAR. ALLOW TREES A SLIGHT AMOUNT OF FLEX RATHER THAN HOLDING THEM RIGIDLY IN PLACE. USE GUYING OR ATTACHING THAT WON'T DAMAGE THE BARK. TO PREVENT TRUNK GIRDLING, REMOVE ALL GUYING MATERIAL AFTER ONE YEAR.
- IF GUYING WILL BE CARRIED OUT, THEN THE MATERIAL SHALL ONLY BE A WIDE FABRIC TAPE SUCH AS ARBORTIE OR EQUIVALENT, INSTALLED PER MANUFACTURES INSTRUCTIONS.
- PLANTING SEASON - PLANTING SHALL BE DONE ONLY WITHIN THE FOLLOWING DATES:
 - DECIDUOUS TREES - MARCH 15 TO MAY 30 OR SEPTEMBER 15 TO DECEMBER 15 (OAKS AND BLACK GUM TO BE SPRING DUG AND PLANTED ONLY).
 - EVERGREEN TREES - MARCH 1 TO MAY 15 OR SEPTEMBER 15 TO NOVEMBER 15.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR FROM THE DATE OF ACCEPTANCE TO BE IN GOOD, HEALTHY AND FLOURISHING CONDITION. IN THE EVENT THAT A PLANT DIES OR IN THE JUDGMENT OF THE PROJECT LANDSCAPE ARCHITECT, FAILS TO FLOURISH, THE CONTRACTOR SHALL REPLACE IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PLANTS DURING THIS ONE-YEAR WARRANTY PERIOD. THIS MAINTENANCE SHALL INCLUDE PROVIDING WATER ON A WEEKLY BASIS WHEN NATURAL RAINFALL IS LESS THAN ONE INCH A WEEK. DRIP IRRIGATION SYSTEMS AND WATER RESERVOIR DEVICES CAN FACILITATE WATERING. ROOT BALLS OF TREES SHOULD BE SLOWLY AND THOROUGHLY SOAKED AT TIME OF WATERING. FOR PLANTING BEDS (I.E., TREES, SHRUBS AND PERENNIALS), WATER SLOWLY AND DEEPLY PUTTING DOWN 1"-2" OF WATER IN A 6-12 HOUR PERIOD. THIS SHOULD GIVE A PENETRATION OF 12-18" DEPTH.
- PLANT MATERIAL SHALL NOT BE STORED ON SITE FOR A PERIOD LONGER THAN 3 DAYS FROM THE TIME OF DELIVERY.
- ALL PLANT MATERIAL SHALL BE PROTECTED FROM DRYING DURING TRANSPORTATION AND DURING STORAGE ON SITE. ANY PLANT THAT IS NOT PLANTED ON THE DAY OF DELIVERY WILL BE PLACED IN A HOLDING AREA. THE TREE OR SHRUB WILL BE STORED VERTICALLY AND ITS ROOTS WILL BE COVERED WITH A MOISTURE HOLDING MEDIUM (WOOD CHIPS, SAW-DUST, ECT.) UNTIL PLANTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN THE PLANT LIST AND THE PLANTING PLAN.



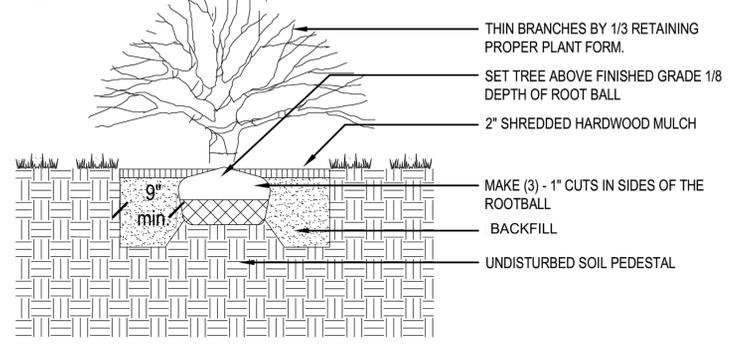
2 ORNAMENTAL TREE PLANTING
NTS



3 DECIDUOUS TREE PLANTING
NTS



1 EVERGREEN TREE PLANTING
NTS



4 TYP. B&B SHRUB PLANTING
N.T.S.

#	ORIGINAL	DESCRIPTION	DATE
1			12-23-2020

ANSI

PREPARED FOR:
FEDERAL STONE INDUSTRIES, INC.
142 WATER STREET
THURSDAY, PA 17268
P - 301-271-1121

CIVILER LLC
11854 Two Rock Road
McConnisburg, PA 17236
717-360-2159
CivilerPA@Outlook.com

FEDERAL STONE INDUSTRIES, INC.
EMMITSBURG EAST INDUSTRIAL PARK II

LANDSCAPING NOTES AND DETAILS

DRAWN BY	MDH
CHECKED BY	
PROJECT No.	2020-1
SHEET	02

DATE	DESCRIPTION
2-25-2022	1 ORIGINAL
4-13-2022	2 UPDATED FOR REVIEW COMMENTS.

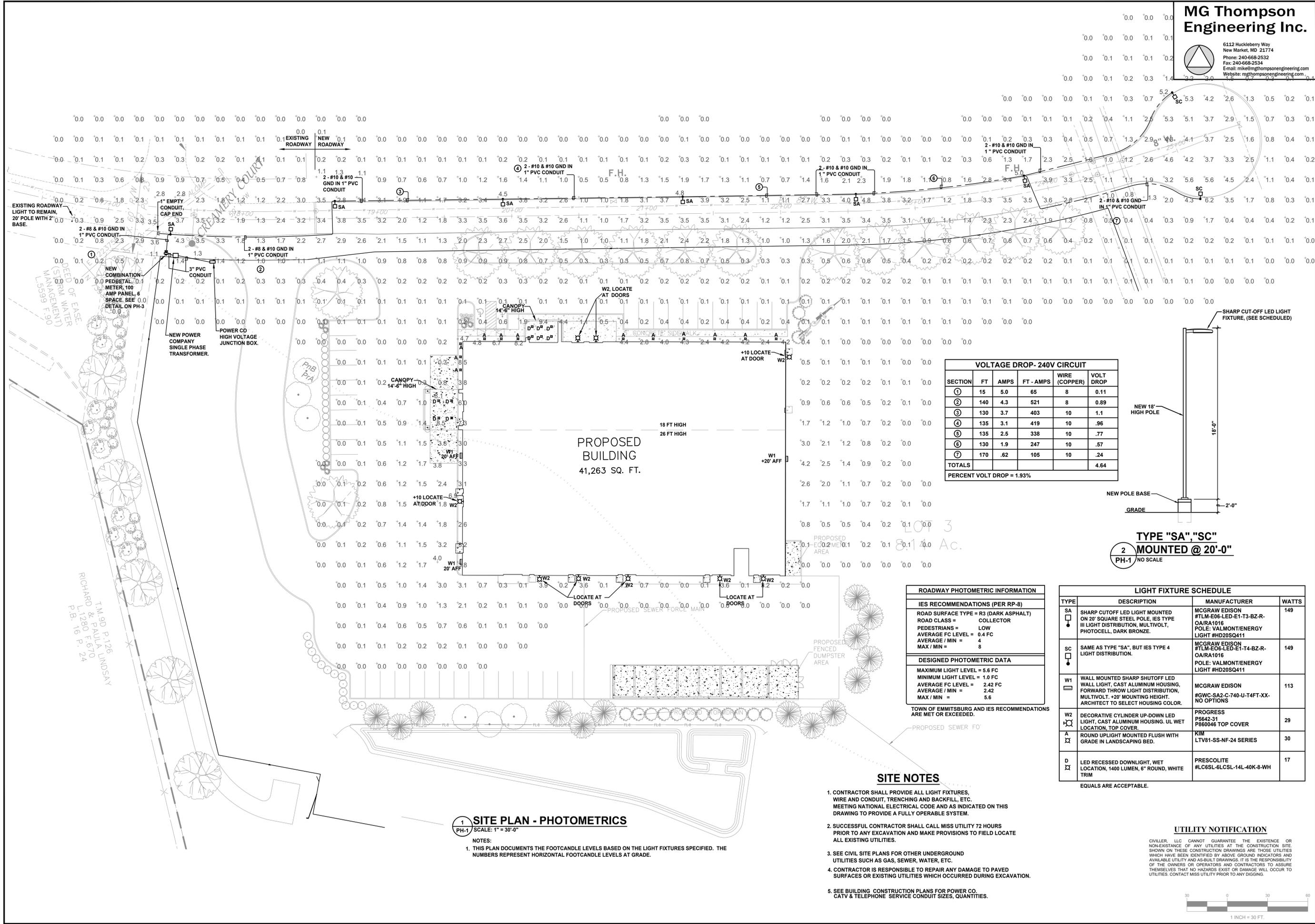
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED BY ME OR UNDER MY CLOSE
SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.
MICHAEL J. THOMPSON
LICENSE NO. 344966 EXP. DATE 10/23/23

PREPARED FOR:
TOWN OF SMITHSBURG
24 WEST MAIN STREET
SMITHSBURG, MD 21783
PO BOX 237

CIVILLER LLC
11854 Two Top Road
Mercersburg, PA 17236
717-360-2159
Civiller-PA @ Outlook.com

SITE PLAN
FEDERAL STONE
LOT 8 - EMMITSBURG EAST INDUSTRIAL PARK II
OUTDOOR LIGHTING / PHOTOMETRIC PLAN

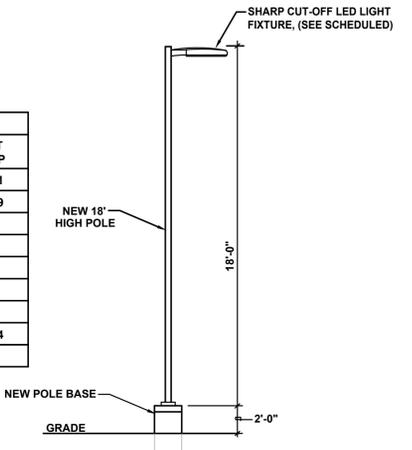
PH-1
OF 3



VOLTAGE DROP - 240V CIRCUIT

SECTION	FT	AMPS	FT - AMPS	WIRE (COPPER)	VOLT DROP
①	15	5.0	65	8	0.11
②	140	4.3	521	8	0.89
③	130	3.7	403	10	1.1
④	135	3.1	419	10	.96
⑤	135	2.5	338	10	.77
⑥	130	1.9	247	10	.57
⑦	170	.62	105	10	.24
TOTALS					4.64

PERCENT VOLT DROP = 1.93%



ROADWAY PHOTOMETRIC INFORMATION

IES RECOMMENDATIONS (PER RP-8)

ROAD SURFACE TYPE = R3 (DARK ASPHALT)
ROAD CLASS = COLLECTOR
PEDESTRIANS = LOW
AVERAGE FC LEVEL = 0.4 FC
AVERAGE / MIN = 4
MAX / MIN = 8

DESIGNED PHOTOMETRIC DATA

MAXIMUM LIGHT LEVEL = 5.6 FC
MINIMUM LIGHT LEVEL = 1.0 FC
AVERAGE FC LEVEL = 2.42 FC
AVERAGE / MIN = 2.42
MAX / MIN = 5.6

TOWN OF EMMITSBURG AND IES RECOMMENDATIONS ARE MET OR EXCEEDED.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	WATTS
SA	SHARP CUTOFF LED LIGHT MOUNTED ON 20\"/>	MCGRAW EDISON #TLM-E06-LED-E1-T3-BZ-R-OA/RA1016 POLE: VALMONT/ENERGY LIGHT #HD20SQ411	149
SC	SAME AS TYPE "SA", BUT IES TYPE 4 LIGHT DISTRIBUTION.	MCGRAW EDISON #TLM-E06-LED-E1-T4-BZ-R-OA/RA1016 POLE: VALMONT/ENERGY LIGHT #HD20SQ411	149
W1	WALL MOUNTED SHARP SHUTOFF LED WALL LIGHT, CAST ALUMINUM HOUSING, FORWARD THROW LIGHT DISTRIBUTION, MULTIVOLT, 42\"/>	MCGRAW EDISON #GWC-SA2-C-740-U-T4FT-XX-NO OPTIONS	113
W2	DECORATIVE CYLINDER UP-DOWN LED LIGHT, CAST ALUMINUM HOUSING, UL WET LOCATION, TOP COVER	PROGRESS P5642-31 P860046 TOP COVER	29
A	ROUND UPLIGHT MOUNTED FLUSH WITH GRADE IN LANDSCAPING BED.	KIM LTV81-SS-NF-24 SERIES	30
D	LED RECESSED DOWNLIGHT, WET LOCATION, 1400 LUMEN, 6\"/>	PRESCOLITE #LCSL-6LCSL-14L-40K-8-WH TRIM	17

EQUALS ARE ACCEPTABLE.

- SITE NOTES**
- CONTRACTOR SHALL PROVIDE ALL LIGHT FIXTURES, WIRE AND CONDUIT, TRENCHING AND BACKFILL, ETC. MEETING NATIONAL ELECTRICAL CODE AND AS INDICATED ON THIS DRAWING TO PROVIDE A FULLY OPERABLE SYSTEM.
 - SUCCESSFUL CONTRACTOR SHALL CALL MISS UTILITY 72 HOURS PRIOR TO ANY EXCAVATION AND MAKE PROVISIONS TO FIELD LOCATE ALL EXISTING UTILITIES.
 - SEE CIVIL SITE PLANS FOR OTHER UNDERGROUND UTILITIES SUCH AS GAS, SEWER, WATER, ETC.
 - CONTRACTOR IS RESPONSIBLE TO REPAIR ANY DAMAGE TO PAVED SURFACES OR EXISTING UTILITIES WHICH OCCURRED DURING EXCAVATION.
 - SEE BUILDING CONSTRUCTION PLANS FOR POWER CO. CATV & TELEPHONE SERVICE CONDUIT SIZES, QUANTITIES.

UTILITY NOTIFICATION

CIVILLER, LLC CANNOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES AT THE CONSTRUCTION SITE. SHOWN ON THESE CONSTRUCTION DRAWINGS ARE THOSE UTILITIES WHICH HAVE BEEN IDENTIFIED BY ABOVE GROUND INDICATORS AND AVAILABLE UTILITY AND AS-BUILT DRAWINGS. IT IS THE RESPONSIBILITY OF THE OWNERS OR OPERATORS AND CONTRACTORS TO ASSURE THEMSELVES THAT NO HAZARDS EXIST OR DAMAGE WILL OCCUR TO UTILITIES. CONTACT MISS UTILITY PRIOR TO ANY DIGGING.



1 SITE PLAN - PHOTOMETRICS
PH-1 SCALE: 1" = 30'-0"

NOTES:
1. THIS PLAN DOCUMENTS THE FOOTCANDLE LEVELS BASED ON THE LIGHT FIXTURES SPECIFIED. THE NUMBERS REPRESENT HORIZONTAL FOOTCANDLE LEVELS AT GRADE.

Job: _____ State: _____ Client Name: _____ Date: _____
 Notes: _____ Approvals: _____

Product Description:

Pole Top Options: A removable pole cap is provided if the pole is drilled for attaching light fixtures. The drill pattern and drill orientation needs to be provided by the customer unless Energy Light fixtures are used for the project. If tenon option is selected, a 2-3/8 inch diameter tenon with 4 inch length is provided.

Pole Shaft: Electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi is used to fabricate the pole shaft.

Handhole: 2" X 4" size non-reinforced handhole is located at 12 inches from the base. Ground lug is included.

Finish: Commercial grade, super durable powder coat finish. Dark Bronze, White, Black, Gray and Green colors are provided at no extra charge. Other colors and custom color options are available at a surcharge.

Anchor Bolts: A set of 4 galvanized steel anchor bolts is provided with each pole assembly. Each anchor bolt includes 2 nuts and 2 washers. Top portion of the anchor bolt is threaded for securing and leveling the pole with the provided nuts and washers. An actual size paper anchor bolt template is provided.

Bolt Circle Range: Min: 8" to Max: 11"

Standard Bolt Circle template: 11"

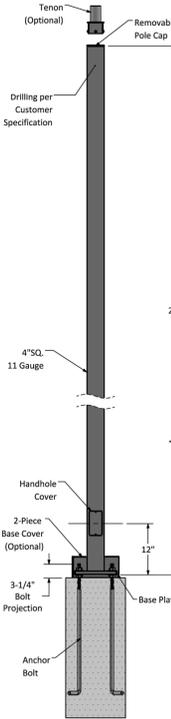
Base Cover: Two piece aluminum square base cover is available at a surcharge. Stainless steel screws are included to attach the 2 pieces together after pole installation.

Other Options: The following options are available: Custom tenon sizes, custom colors, electric/GFI outlets, custom pole heights, additional handholes and custom base plate dimensions.

Warranty: 5 Years.

UL Listed.

Foundation design: Foundation should be designed by an engineer familiar with local soil and wind conditions as well as local code where the pole(s) will be installed.



3 Piece Base Cover (Optional)		Maximum EPA with 1.3 Gust Factor (ft)				Pole Weight (lbs)
110 mph	120 mph	140 mph	150 mph			
4.6	3.2	1.5	0.6		151	

Base Plate	Anchor Bolt
4 Slots 90° Apart As Shown 8" Min BC 11" Max BC 10-1/8" SQ.	Anchor Bolt Dim. 3/4"x30"x3"

Disclaimer: All dimensions and specifications are subject to change without any notice. Energy Light, Inc. is not responsible for any claims arising from improper loading (what is attached to the light pole), improper use, incorrect foundation design and/or installation.

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5 TYPE "SA" & "SC" LIGHT POLE CUT SHEET
PH-3 NO SCALE

JOB: _____ TYPE: _____
 NOTES: _____ APPROVALS: _____

FEATURES

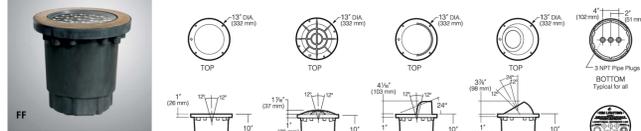
- Bluetooth connectivity for remote control (singing, dimming, color changing)
- Free mobile App for Android and iOS
- Hardwired DMX connectivity for advanced control (controller supplied by others)
- IP68 sealed light engine

Certifications



SPECIFICATIONS

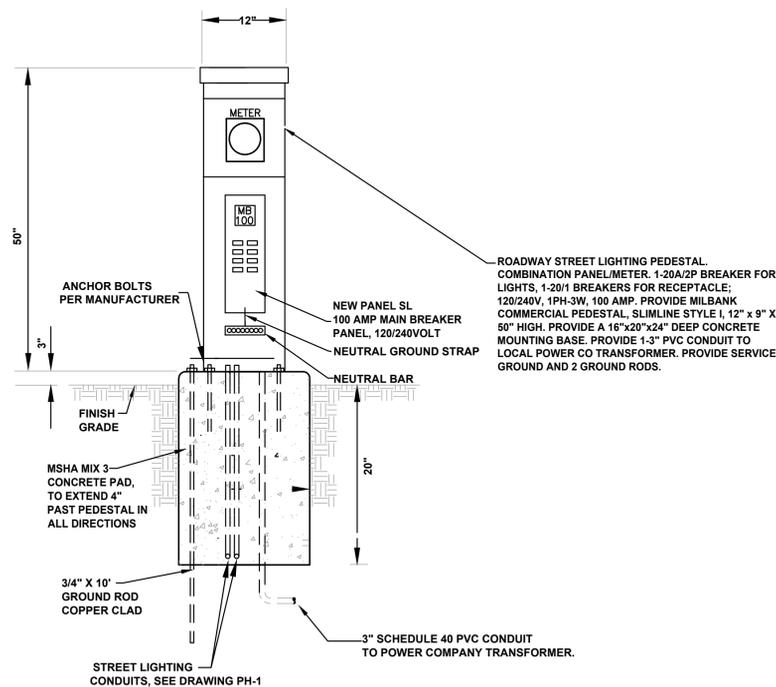
Four Box rough-in housing ships separately and as a quick-ship if requested.



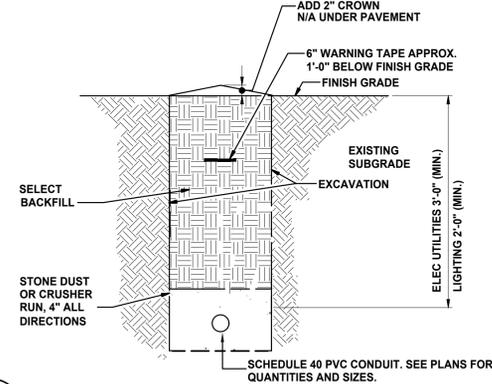
ORDERING CODE

Fixture Size	Style	Distribution	Source	Electrical Module	Lens Options	Rebar Caps Anchor
LTV81 13" Dia.	FF Flat Frame	SP Spot	24V 24 LEDs (4x 6W)	RGBW UV 120-277V	SR Slip-Resistant Lens	RCAB1 for LTV81
	SS Stainless Steel	NF Narrow Flood	12V 12 LEDs (4x 3W)			
	HS Half Shield					
	RG Rock Guard					
	EB Eyeball					

4 TYPE "A"
PH-3 NO SCALE

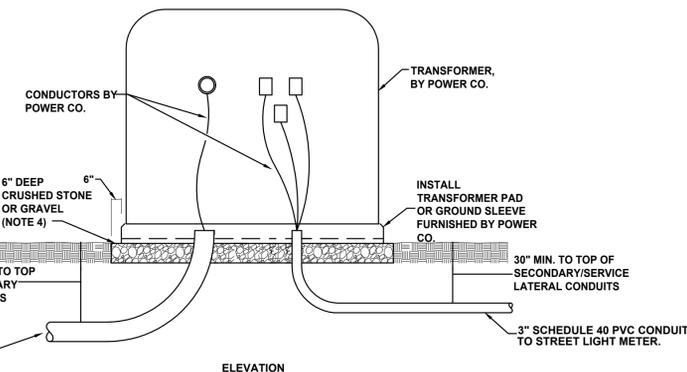
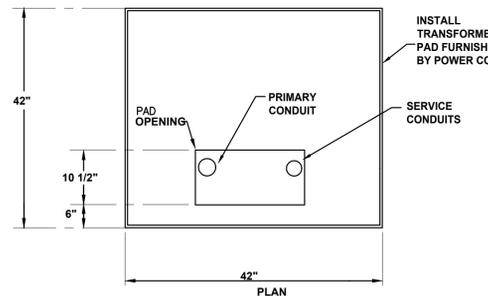


3 STREET LIGHTING PANEL
PH-3 NO SCALE



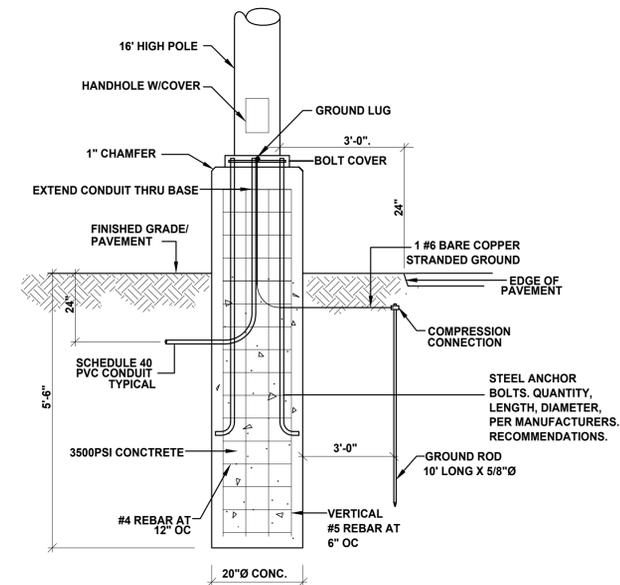
2 TYPICAL UNDERGROUND CONDUIT DETAIL
PH-3 SCALE: NONE

NOTE:
1. BACKFILL TO BE COMPACTED IN 6 INCH LAYERS TO AVOID SETTLING.



- NOTES:**
- PRIMARY CONDUITS ARE LOCATED ON THE LEFT SIDE OF THE PAD OPENING.
 - SECONDARY AND SERVICE LATERAL CONDUITS ARE LOCATED ON THE RIGHT SIDE OF THE PAD OPENING.
 - THE CONTRACTOR SHALL PROVIDE A 6' WIDE BY 6' LONG, CLEAR LEVEL AREA AT THE TRANSFORMER PAD SITE WITH PAD TO BE CENTERED IN THIS AREA. THE PAD SITE SHALL BE ELEVATED SLIGHTLY SUCH THAT SURFACE WATER WILL NOT ENTER PAD SLOT OR CONDUITS. A 6" DEEP CRUSHED STONE OR GRAVEL BASE SHALL BE INSTALLED ON THE FIRM OR TAMPED SOIL UNDER THE ENTIRE PAD AND SHALL EXTEND 6" BEYOND ALL SIDES OF THE PAD. PROVIDE A CLEAR, LEVEL AREA OF APPROXIMATELY PAD WIDTH TO A DISTANCE OF 10' TO THE FRONT OF THE PAD FOR OPERATION PURPOSES.
 - CONSULT WITH THE COMPANY'S LINES ENGINEERING DESIGNER TO DETERMINE IF THE APPROVED ELECTRICAL DRAWINGS WILL USE LOW PROFILE OR FUSING AND SECTIONALIZING ("FAST") TRANSFORMERS. OVERALL SIZE AND PAD OPENING DIMENSIONS VARY IN THESE CASES AND MUST BE CONSIDERED FOR PROPER SITE PREPARATION AND CONDUIT PLACEMENT.

6 PAD MOUNTED TRANSFORMER DETAIL- SINGLE PHASE
PH-3 NO SCALE



1 LIGHT POLE FOUNDATION DETAIL
PH-3 NO SCALE

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 E-mail: mike@mgthompsonengineering.com
 Website: mgthompsonengineering.com

#	DATE	DESCRIPTION
1	2-25-2022	ORIGINAL
2	4-13-2022	UPDATED FOR REVIEW COMMENTS.

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS ARE MY OWN WORK AND I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 MICHAEL THOMPSON
 LICENSE NO. 34466 EXP. DATE 10/23/23

PREPARED FOR:
 TOWN OF SMITHSBURG
 2A WEBSTER STREET
 SMITHSBURG, MD 21783
 PO BOX 237

CIVILLER LLC
 11864 Two Top Road
 Mercersburg, PA 17236
 717-360-2150
 Civiller-PA@Outlook.com

SITE PLAN
FEDERAL STONE
LOT 8 - EMMITSBURG EAST INDUSTRIAL PARK II
LIGHTING DETAILS

DRAWN BY: DWS
CHECKED BY: MGT
PROJECT No.: 2020-1 / 20061

SHEET
PH-1
 OF 3

UTILITY NOTIFICATION
 CIVILLER, LLC CANNOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES AT THE CONSTRUCTION SITE SHOWN ON THESE CONSTRUCTION DRAWINGS ARE THOSE UTILITIES WHICH HAVE BEEN IDENTIFIED BY ABOVE GROUND INDICATORS AND AVAILABLE UTILITY AND AS-BUILT DRAWINGS. IT IS THE RESPONSIBILITY OF THE OWNERS OR OPERATORS AND CONTRACTORS TO ASSURE THEMSELVES THAT NO HAZARDOUS EXIST OR DAMAGE WILL OCCUR TO UTILITIES. CONTACT MISS UTILITY PRIOR TO ANY DIGGING.