



# MONTEFIORE HEALTH SYSTEM NYACK CAMPUS SITE PLAN DRAWING SET

DATE: 03.17.2020

## TEMPORARY BALLFIELD PARKING LOT

160 NORTH MIDLAND AVENUE  
NYACK, NY 10960

TAX LOT INFO  
BLOCK: 1  
LOT: 42

### LOCATION MAP

#### PROJECT CONTACTS

SCALE: 1" = 100'

OWNER:

MONTEFIORE HEALTH SYSTEM NYACK CAMPUS  
160 NORTH MIDLAND AVENUE  
NYACK, NY 10960

ARCHITECT:

POMARICO DESIGN STUDIO ARCHITECTURE, PLLC  
19 FRONT STREET  
NEWBURGH, NY 12550  
(845) 561-0448

CIVIL ENGINEER, GEOTECHNICAL ENGINEER, ENVIRONMENTAL, TRAFFIC,  
LANDSCAPE ARCHITECT & SURVEYOR:

LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE  
ARCHITECTURE AND GEOLOGY, D.P.C.  
300 KIMBALL DRIVE, 4TH FLOOR  
PARSIPPANY, NJ 07054  
(973) 560-4900

MEP ENGINEER:

GOLDMAN COPELAND ASSOCIATES, P.C. CONSULTING ENGINEERS  
520 EIGHTH AVENUE  
NEW YORK, NY 10018  
(212) 868-4660

#### INDEX OF DRAWINGS

LANGAN		DATE	LAST REVISED
CS002	COVER SHEET	03.17.2020	-
CS201	SITE PLAN	03.17.2020	-
CG201	GRADING, DRAINAGE, AND UTILITY PLAN	03.17.2020	-
LL201	LIGHTING PLAN	03.17.2020	-

WARNING:  
IT IS A VIOLATION OF THE NYS EDUCATION LAW  
ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING  
UNDER THE DIRECTION OF A LICENSED  
PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN  
ANY WAY.

LAST REV.:  
DATE: 03/17/2020  
Drawing No.  
FOR INFORMATION  
PURPOSES  
CS002

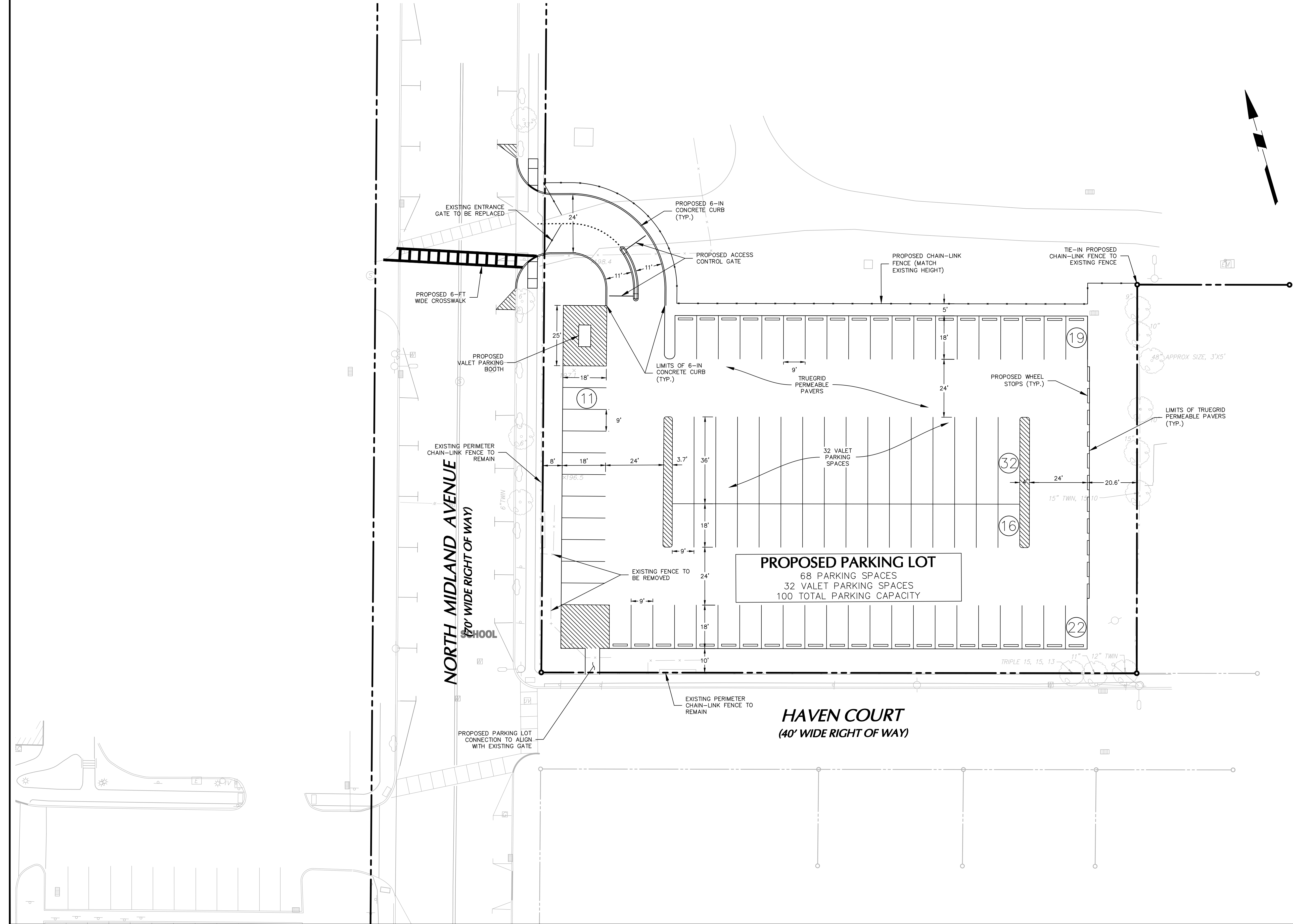
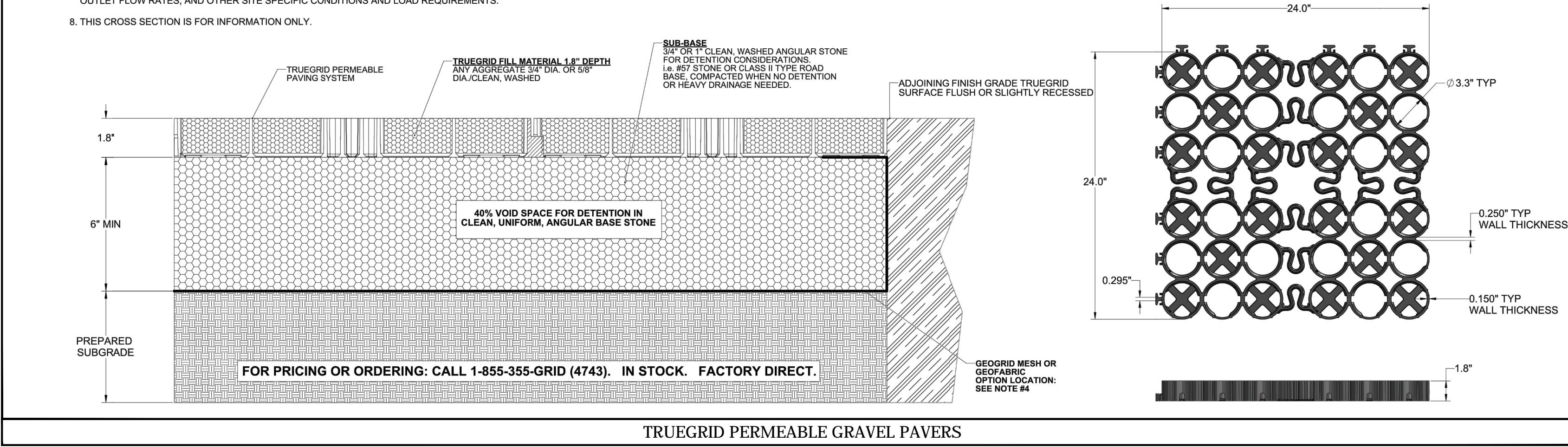


SITE PLAN NOTES

- EXISTING BOUNDARY AND TOPOGRAPHY INFORMATION IS BASED ON FIELD DATA OBTAINED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECT AND GEOLOGY, D.P.C. ON 1/23/2020.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THE MERIDIAN OF THE SURVEY IS REFERENCED TO NEW YORK STATE PLANE COORDINATE EAST SYSTEM NAD1983 (2011) DERIVED USING SURVEY-GRADE GNSS EQUIPMENT.
- THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF THREE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
- THERE ARE ADDITIONAL NOTES AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW, AND ADHERE TO ALL THESE DOCUMENTS.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS OPERATIONS WITH THE VARIOUS COMPANIES OR AGENCIES WHOSE INTERESTS ARE AFFECTED BY THIS PROJECT.
- THE SITE CONTRACTOR SHALL USE CARE DURING CONSTRUCTION TO AVOID DISTURBING OR DAMAGING ANY AND ALL UTILITIES, FACILITIES AND PAVEMENTS INTENDED TO REMAIN. IT SHALL BE THE SITE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE TO AND/OR RESTORE ANY INTERRUPTION TO ANY UTILITY SERVICE THAT MAY BE CAUSED BY THE SITE CONTRACTOR'S CONSTRUCTION OR EQUIPMENT, AT THE SITE CONTRACTOR'S EXPENSE. WITH NO ADDITIONAL EXPENSE TO THE OWNER. SIMILARLY, ANY DAMAGE TO FACILITIES OR PAVEMENTS WILL BE THE SITE CONTRACTOR'S RESPONSIBILITY AND SHALL BE RESTORED TO THE SATISFACTION OF, AND AT NO ADDITIONAL COST TO, THE OWNER.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY AND STATE LAWS.
- INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.
- CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.
- WHERE APPLICABLE, REMOVAL AND DISPOSAL OF THE EXISTING BUILDING FOUNDATIONS, MANHOLES, CATCH BASINS, UNDERGROUND PIPING, PAVEMENT MATERIALS, ETC. SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STANDARDS.
- UNLESS OTHERWISE NOTED TO REMAIN, ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.

NOTES:

- SUB-BASE DEPTH AND PREPARATION IS DEPENDENT ON SITE CONDITIONS PLUS LOADING REQUIREMENTS.
- TRUEGRID PRO PLUS PRODUCTS DESIGNED FOR LOAD CAPACITIES OF 120,000 LBS PER SQ. FT. TRUEGRID PRODUCTS STRENGTHEN WITH FILL MATERIAL.
- TRUEGRID PRO PLUS PRODUCTS ARE SUFFICIENTLY RATED FOR H-20 HS-20 LOADING AND GREATER.
- GEOGRID MESH OR GEOFABRIC MAY BE REQUIRED BETWEEN SUB-GRADE & SUB-BASE FOR CERTAIN SOILS AND SITE SPECIFIC REQUIREMENTS.
- INCREASE SUB-BASE DEPTH FOR INCREASED STORM WATER DETENTION.
- NO STAKING NECESSARY WITH TRUEGRID PRO PLUS WHEN SLOPE IS BELOW 10 DEGREES. ASSESS PROJECT, AS NEEDED.
- FINAL ENGINEERED CROSS SECTION AGGREGATES AND DEPTH SHOULD ALLOW FOR EXPECTED INFILTRATION RATES, STORAGE CAPACITIES, OUTLET FLOW RATES, AND OTHER SITE SPECIFIC CONDITIONS AND LOAD REQUIREMENTS.
- THIS CROSS SECTION IS FOR INFORMATION ONLY.



Date	Description	No.
REVISIONS		
<b>LANGAN</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com		
Project <b>NYACK HOSPITAL TEMPORARY BALLFIELD PARKING LOT</b> BLOCK No. 1, LOT No.74 VILLAGE OF NYACK ROCKLAND COUNTY NEW YORK		
Drawing Title <b>FOR INFORMATION PURPOSES SITE PLAN</b>		
Project No. <b>100754201</b>		<b>CS201</b>
Date <b>03/17/2020</b>		
Drawn By <b>VP</b>		
Checked By <b>LM</b>		

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SCALE: 1" = 20'

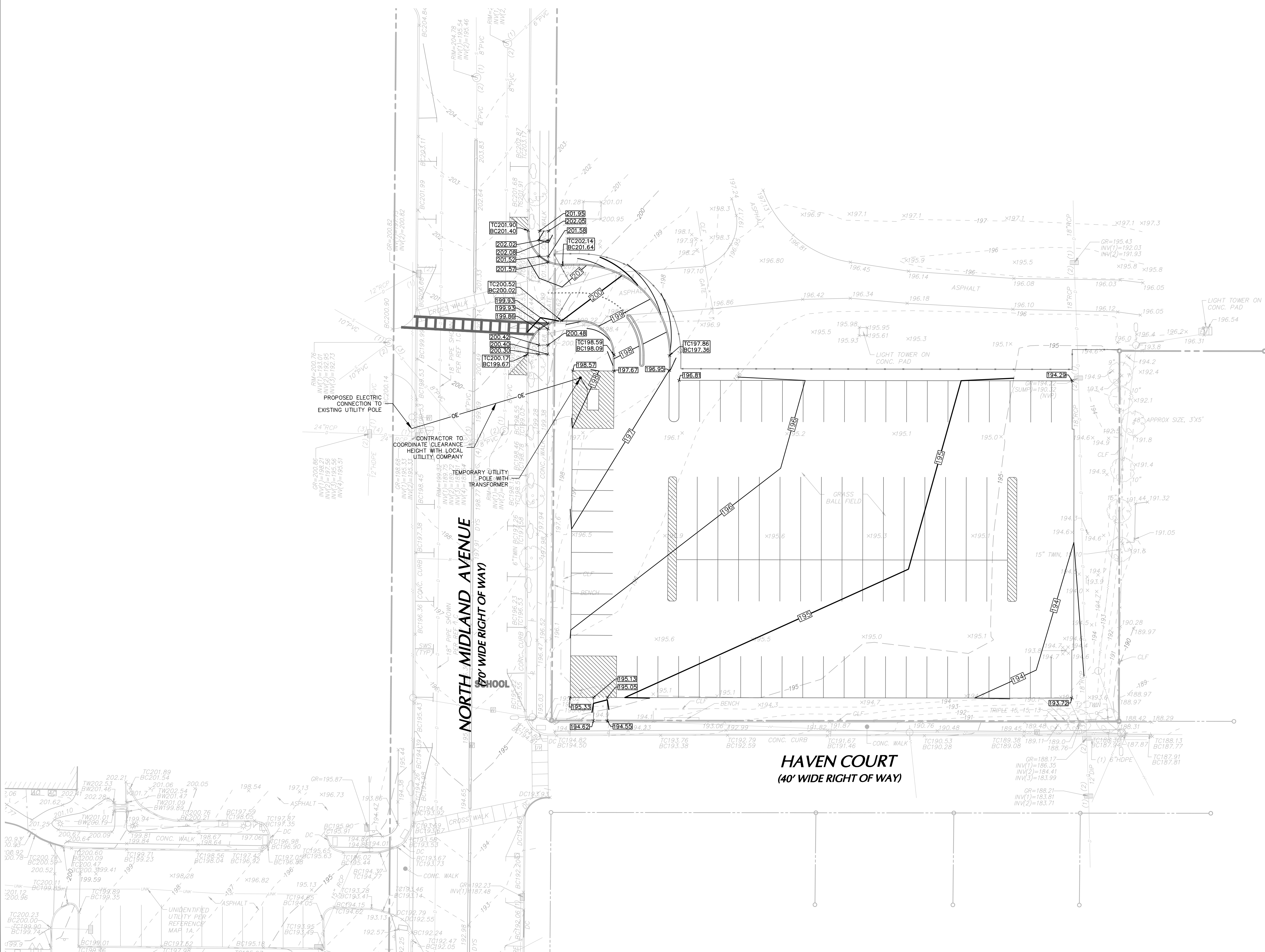
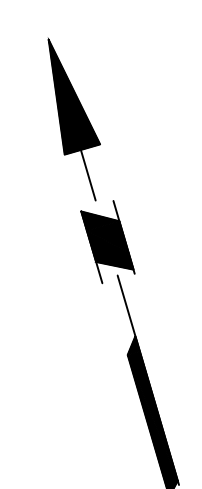


## GRADING NOTES

- |     |   |     |  |
|-----|---|-----|--|
| 1.  | EXISTING BOUNDARY AND TOPOGRAPHY INFORMATION IS BASED ON FIELD DATA OBTAINED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECT AND GEOLOG, D.P.C. ON 1/23/2020.  | 1.  | COMPACT TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.  |
| 2.  | ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.   | 11. | PARKING LOT SUBGRADES SHALL BE FIRM AND NON-YIELDING. SOFT AREAS AND UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED MATERIALS AND AS DIRECTED BY THE GEOTECHNICAL ENGINEER.   |
| 3.  | THE MERIDIAN OF THE SURVEY IS REFERENCED TO NEW YORK STATE PLANE COORDINATE EAST SYSTEM NAD1983 (2011) DERIVED USING SURVEY-GRADE GNSS EQUIPMENT.   | 12. | PILE BEDDING MATERIAL SHALL BE ASHTO NO. 67 PROCESS SAND AND GRAVEL FREE FROM DEBRIS, CLAY LUMPS, ORGANIC, OR OTHER DELETERIOUS MATERIALS, AND COMPLYING WITH THE FOLLOWING GRADATION REQUIREMENTS:<br>SIEVE SIZE PERCENT PASSING (BY WEIGHT)<br>1 INCH 100<br>3/4 INCH 90-100<br>3/8 INCH 20-55<br>#4 0-10<br>#10 0-5 |
| 4.  | PROPOSED PARKING GARAGE, MAIN HOSPITAL ENTRANCE EXPANSION AND PEDESTRIAN BRIDGE SHOWN ARE PER ARCHITECTURAL PLANS TITLED "MONTELEONE HEALTH SYSTEM NYACK CAMPUS - PARKING STRUCTURE" PREPARED BY POMARICO DESIGN STUDIO ARCHITECTURE, PLLC, DATED 01/31/2020.   | 13. | NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL. REMOVED TOPSOIL MUST BE REDISTRIBUTED THROUGHOUT THE SITE AND UTILIZED AS SUCH.  |
| 5.  | ONCE EXISTING UTILITIES TO REMAIN ARE LOCATED, ANY POTENTIAL CONFLICTS WITH OTHER UTILITIES, RELOCATED UTILITY POLES, ETC., SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.  | 14. | ANY STORMWATER FACILITIES SHOWN TO REMAIN SHOULD BE INSPECTED, CLEANED AND GLEANNED AS NECESSARY.  |
| 6.  | THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAYS AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR GRADING BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES ON CONDITIONS, UTILITY LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF LANGAN ENGINEERING. CALL BEFORE YOU DIG - 1-800-272-1100. | 15. | STORMWATER MANAGEMENT FACILITIES SHALL BE MAINTAINED REGULARLY TO INSURE CONTINUAL FUNCTIONING OF THE SYSTEM AT DESIGN CAPACITY. SEE THE STORMWATER POLLUTION PREVENTION PLAN FOR MAINTENANCE SCHEDULE, INSTRUCTIONS AND PROCEDURES.   |
| 7.  | ADJUST ALL EXISTING AND PROPOSED UTILITY BERMES, GRATES, MANHOLE COVERS, VALVE BOXES, ETC. TO FLUSH WITH THE PROPOSED SURFACE ELEVATIONS WITHIN THE LIMITS OF CONSTRUCTION.   | 16. | ALL PROPOSED SIDEWALKS, CURB RAMPS, ADA-ACCESSIBLE PARKING STALLS AND ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ADA REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO MAXIMUM CROSS SLOPE, MAXIMUM SIDEWALK RUNNING SLOPE AND MAXIMUM 8.33% (1:12) RAMP SLOPE.  |
| 8.  | ALL PROPOSED ON-SITE UTILITIES TO BE INSTALLED UNDERGROUND, ALL TRENCHING, PILE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.   |     |  |
| 9.  | SITE FILL SHALL CONSIST OF MATERIAL FROM APPROVED ONSITE SOURCES OR APPROVED OFFSITE MATERIAL. THE GEOTECHNICAL ENGINEER WILL REVIEW AND APPROVE ALL MATERIALS.   |     |  |
| 10. | PROOF ROLL ALL CUT AREAS, PLATE AND COMPACT APPROVED FILL MATERIALS IN 12-INCH MAXIMUM LIFT USINGS AT LEAST 6 PASSES WITH, AT MINIMUM, A 5 TON STATIC DRUM WEIGHT VIBRATORY ROLLER.   |     |  |

## LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
SPOT ELEVATION		
CONTOUR		
STORM MANHOLE		
CATCH BASIN		
STORM SEWER PIPE		



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20 0 5 10 20  
SCALE: 1" = 20'

Date	Description	No.
REVISONS		
<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="text-align: center;"> <h1 style="margin: 0;">LANGAN</h1> <p style="margin: 0;">Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054</p> <p style="margin: 0;">T: 973.560.4900   F: 973.560.4901   <a href="http://www.langan.com">www.langan.com</a></p> </div>		
Project		
<p style="margin: 0;"><b>NYACK HOSPITAL</b></p> <p style="margin: 0;"><b>TEMPORARY BALLFIELD</b></p> <p style="margin: 0;"><b>PARKING LOT</b></p> <p style="margin: 0;">BLOCK No. 1, LOT No.42</p> <p style="margin: 0;">VILLAGE OF NYACK</p>		
<b>ROCKLAND COUNTY</b>		<b>NEW YORK</b>
Drawing Title		
<p style="margin: 0;"><b>FOR INFORMATION</b></p> <p style="margin: 0;"><b>PURPOSES</b></p> <p style="margin: 0;"><b>GRADING,</b></p> <p style="margin: 0;"><b>DRAINAGE, AND</b></p> <p style="margin: 0;"><b>UTILITY PLAN</b></p>		
Project No.		Drawing No.
100754201		<h1 style="margin: 0;">CG201</h1>
Date		
03/17/2020		
Drawn By		
VP		
Checked By		
IM		



ORDINANCE COMPLIANCE CHART - VILLAGE OF NYACK, NY

ORDINANCE SECTION	ORDINANCE REQUIREMENT	PROPOSED	COMPLIANCE
B(1)	ANY LIGHT SOURCE OR LAMP THAT EMITS MORE THAN 900 LUMENS SHALL BE CONCEALED OR SHIELDED WITH A FULL CUTOFF STYLE FIXTURE WITH AN ANGLE NOT EXCEEDING 90 DEGREES TO MINIMIZE THE POTENTIAL FOR GLARE AND UNNECESSARY DIFFUSION ON ADJACENT PROPERTY.	ALL LIGHT FIXTURES NOT TO EXCEED A 90 DEGREE ANGLE. FIXTURES DIRECTLY ADJACENT TO PROPERTY LINES TO HAVE HOUSE SIDE SHIELD ATTACHMENT.	COMPLIES
B(2)	THE MAXIMUM HEIGHT OF ANY LIGHTING POLE SERVING A RESIDENTIAL USE SHALL BE 15 FEET. THE MAXIMUM HEIGHT SERVING ANY OTHER TYPE OF USE SHALL BE 20 FEET, EXCEPT IN PARKING LOTS LARGER THAN 5 ACRES; THE MAXIMUM HEIGHT SHALL BE 20 FEET IF THE POLE IS LOCATED AT LEAST 100 FEET FROM ANY RESIDENTIAL USE.	PARKING LOT SERVES HOSPITAL USE. THE MAXIMUM HEIGHT OF ALL LIGHT POLES IS 15 FEET.	COMPLIES
3360-4.10. LIGHTING	MAXIMUM LIGHT LEVELS. LIGHTING SHALL COMPLY WITH THE MAXIMUM LIGHT LEVELS, MEASURED IN FOOTCANDLES, SHOWN BELOW. LIGHTING LEVELS AT PROPERTY LINES ADJACENT TO PUBLIC SIDEWALK OR RIGHT-OF-WAY MAY MEET THE MAXIMUM FOOTCANDLES PERMITTED FOR PEDESTRIAN WALKWAYS. IN NO EVENT SHALL ANY LIGHTING SHINE INTO A STATE ROAD RIGHT-OF-WAY OR PARKLAND. MAXIMUM LIGHT LEVELS IN NON-RESIDENTIAL DISTRICTS: PROPERTY LINE = 2.0 FC BUILDING ENTRIES = 5.0 FC PARKING AREAS = 5.0 FC PEDESTRIAN WALKWAYS = 3.0 FC	PROPOSED: PROPERTY LINE = 3.4 FC MAX. PARKING AREAS = 24.0 FC MAX. PEDESTRIAN WALKWAYS = N/A	WAIVER (SEE NOTE BELOW)

NOTE:  
1. PROPOSED MAXIMUM LIGHT LEVELS FOR PROPERTY LINE AND PARKING AREAS EXCEED THE REQUIRED MAXIMUM LIGHT LEVELS IN NON-RESIDENTIAL DISTRICTS IN ORDER TO MEET MINIMUM IESNA LIGHTING REQUIREMENTS AND TO MEET THE 15 FEET MAXIMUM HEIGHT RESTRICTION FOR ALL PROPOSED FIXTURES (PER ORDINANCE SECTION 360-4.10.B.2).

STATISTICS

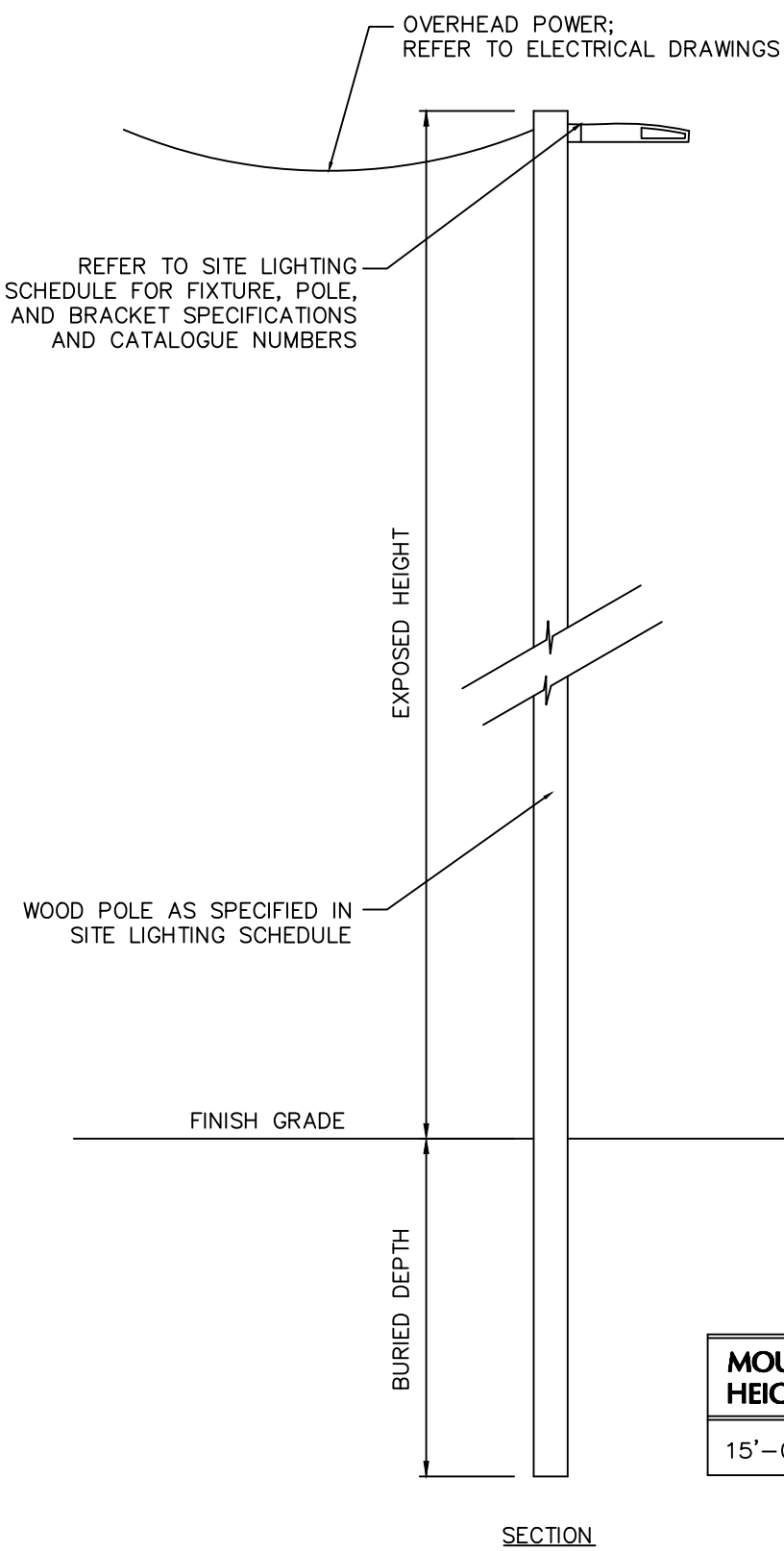
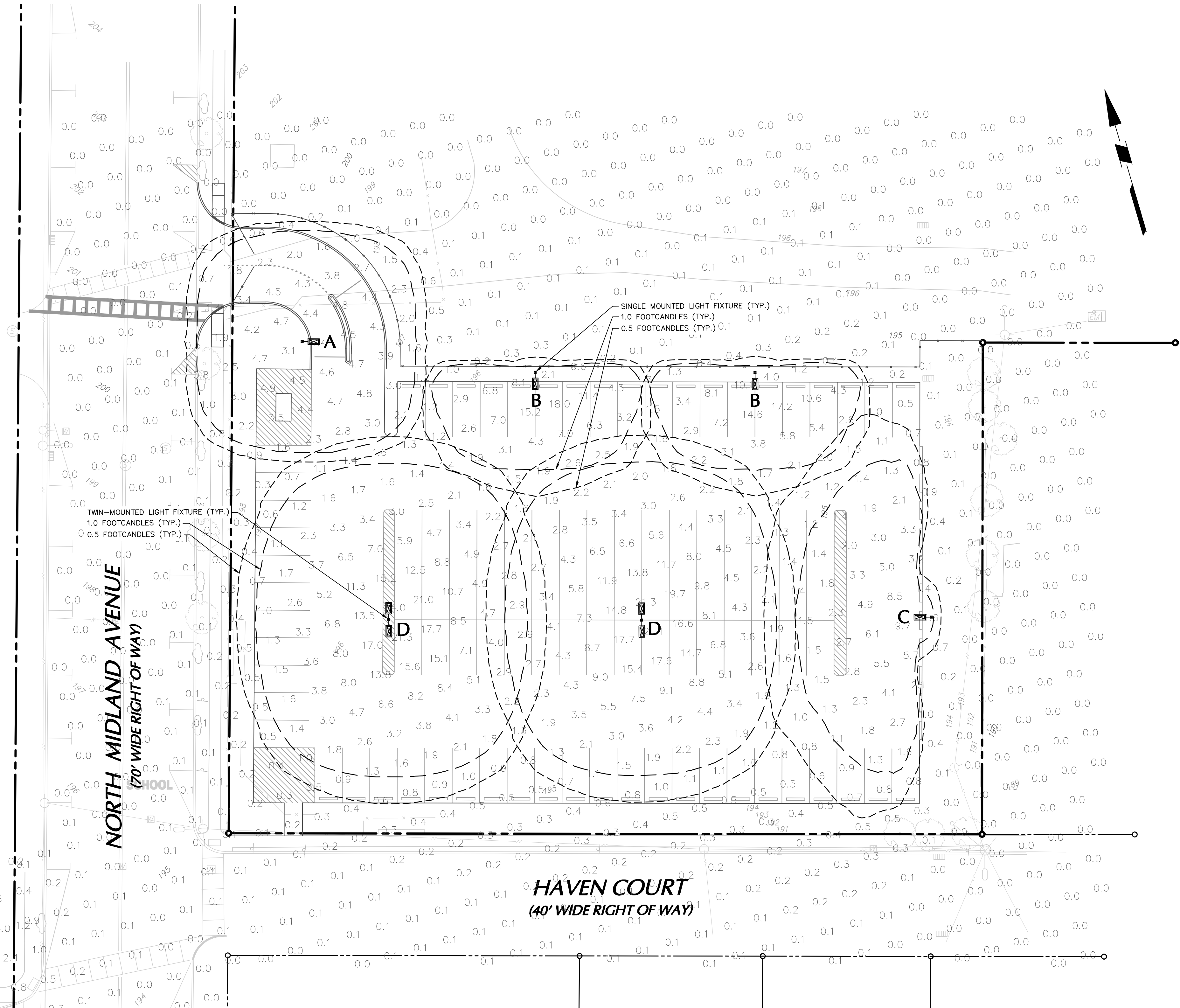
DESCRIPTION	AVG.	MAX.	MIN.	MAX/MIN.	AVG/MIN.
PARKING AREA	4.41c	24.01c	0.51c	48:1	8:8:1
ENTRY DRIVE	3.21c	4.81c	0.51c	9:2:1	6:4:1
PROPERTY LINE	0.31c	3.41c	0.01c	N/A	N/A

NOTE:  
1. LIGHT PHOTOMETRY AND CALCULATIONS FOR EXISTING AND ADJACENT LIGHTING TO REMAIN ARE NOT INCLUDED IN THE ABOVE STATISTICS.

SITE LIGHTING SCHEDULE

SYMBOL	KEY	QTY.	FIXTURE MANUFACTURER	FIXTURE MODEL	FIXTURE DESCRIPTION	FIXTURE MOUNTING HEIGHT	LAMP	OPTICS	LUMENS	LLF	IES FILE	FIXTURE CATALOGUE NO.	POLE BRACKET	POLE DESCRIPTION	TOTAL POLE LENGTH	POLE BURIED DEPTH
	A	1	HOLOPHANE	MONGOOSE LED MEDIUM	POLE MOUNTED SINGLE ROADWAY AND AREA LIGHT FIXTURE. COLOR = BLACK	15'-0"	LED	TYPE AREA THROW	17,401	0.90	MGLEDM_P1-40K_XXXXX_AIR.IES	MGLEDM-P1-40K-VOLTS-AR-VH-BKSD	WOOD POLE BRACKET BY ADUTY	WOOD POLE (SEE NOTE 3)	20'-0"	5'-4"
	B	2	HOLOPHANE	MONGOOSE LED MEDIUM	POLE MOUNTED SINGLE ROADWAY AND AREA LIGHT FIXTURE. COLOR = BLACK	15'-0"	LED	TYPE NARROW SIDE SHIELD	13,600	0.90	MGLEDM_P1-40K-VOLTS-NR-VH-BKSD-HSS.IES	MGLEDM-P1-40K-VOLTS-NR-VH-BKSD-HSS	WOOD POLE BRACKET BY ADUTY	WOOD POLE (SEE NOTE 3)	20'-0"	5'-4"
	C	1	HOLOPHANE	MONGOOSE LED MEDIUM	POLE MOUNTED SINGLE ROADWAY AND AREA LIGHT FIXTURE. 30 DEGREE TILT. COLOR = BLACK	15'-0"	LED	TYPE WIDE WITH HOUSE SIDE SHIELD	18,293	0.90	MGLEDM_P3-40K-40K_XXXXX-WR-HSS.IES	MGLEDM-P3-40K-40K_XXXXX-WR-HSS	WOOD POLE BRACKET BY ADUTY	WOOD POLE (SEE NOTE 3)	20'-0"	5'-4"
	D	2	HOLOPHANE	MONGOOSE LED MEDIUM	POLE MOUNTED TWIN ROADWAY AND AREA LIGHT FIXTURE. COLOR = BLACK	15'-0"	LED	TYPE FORWARD THROW	27,000	0.90	MGLEDM_P4-40K-40K_XXXXX-FT.IES	MGLEDM-P4-40K-VOLTS-FT-VH-BKSD	WOOD POLE BRACKET BY ADUTY	WOOD POLE (SEE NOTE 3)	20'-0"	5'-4"

NOTES:  
1. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING VOLTAGES.  
2. CONTRACTOR TO CONFIRM CONTROLS SYSTEM REQUIRED BY THE OWNER AND PER CODE. BID PRICING SHALL INCLUDE CONTROLS SYSTEM.  
3. ALL LIGHT FIXTURES TO BE ATTACHED TO WOOD POLES WITH WOOD POLE TOP BRACKETS BY EATON LIGHTING. TREATED WOOD POLES SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS, SOURCED AS LOCALLY AS POSSIBLE, AND INSTALLED PER THE EQUIVALENT STANDARDS OF THE LOCAL UTILITY PROVIDER. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES PRIOR TO PURCHASE OF MATERIALS AND INSTALLATION.



1 WOOD POLE FIXTURE NTS



The Mongoose Medium LED street and area lighting product provides significant energy and maintenance savings vs. HID luminaires. It offers the ultimate in application and flexibility with a uniquely designed advanced optical system and attractive appearance. This combined with multiple lighting distributions, mounting options and the ability to tilt the fixture offers unequalled performance in a diverse set of applications ranging from interstate and parking lots.

**Mechanical**

- Rugged grade 6061 diecast aluminum (<1% copper)
- Soil less access with stainless steel latches
- Terminal block in arm
- Rigorous 5-stage environmental polyester topcoat to ensure maximum durability that achieves a scribe creepage rating of 8 after 5000 hours of salt spray
- Removable "power tag" facilitates maintenance
- Corrosion resistant stainless steel latches ensure secure closure over the long fixture life
- Horizontal mast arm or vertical town (VH) and universal mounting to round and square poles (UN) options
- Universal mount mates to all major manufacturer's hole patterns
- All Mountings are 3C vibration rated per ANSI C136.3
- Adjustable fixture tilt from 0-45 degrees provides flexibility to optimize lighting performance

**Electrical**

- Standard surge protection is 20KV/10KA "Extreme Level" per ANSI C136.2
- LED light engine are rated > 100,000 at 25°C L70
- Electronic driver has an expected life of > 100,000 hours at 25°C
- Rated for -40°C (-40°F) minimum ambient
- Programmable electronic driver with 0-10V control leads
- Driver voltage options: 120-277V 50/60 Hz and 347-500V 60 Hz and 480V 50/60 Hz
- Performance is comparable to 150-400 watt HPS or 175-1,000 watt HMI
- Wide angle hemispherical glass optics ensure longevity and minimize dirt degradation

**Optical**

- IP66 rated optics
- Modeled Silicone optics: Area (Type S) (AR), Forward Throw (FT), Medium Roadway (MR), Narrow Roadway (NR) and Wide Roadway (WR)
- Bore-sighted glass refractive optics Area (AG), Forward Throw (FG), Medium Roadway (MG), Narrow Roadway (NG) and Wide Roadway (WG)
- 3000K, 4000K and 5000K CCT 70 CRI
- Optional Upright Start (US) when used with refractor ensures zero light spillage
- House side shield (HSS), light trespass shield and option available
- Wire guard kit option available

**Controls**

- 7 pin IESNA photovoltaic recharge
- Premium solid-state looking-style photocell (PCSS) - 10 year rated life
- Extreme long life solid-state looking-style photocell (PCLL) - 20 year rated life
- Field adjustable output
- Night Air motion and daylight sensor
- Programmable motion and daylight sensor

**Certification & Standards**

- CSA Certified to US and Canadian standards
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designlight "Conversion" (DL2) qualified product. Not all versions of this product may be DL2 qualified. Please check the DL2 Qualified Products List at [www.designlights.org](http://www.designlights.org) or call to confirm which versions are qualified.

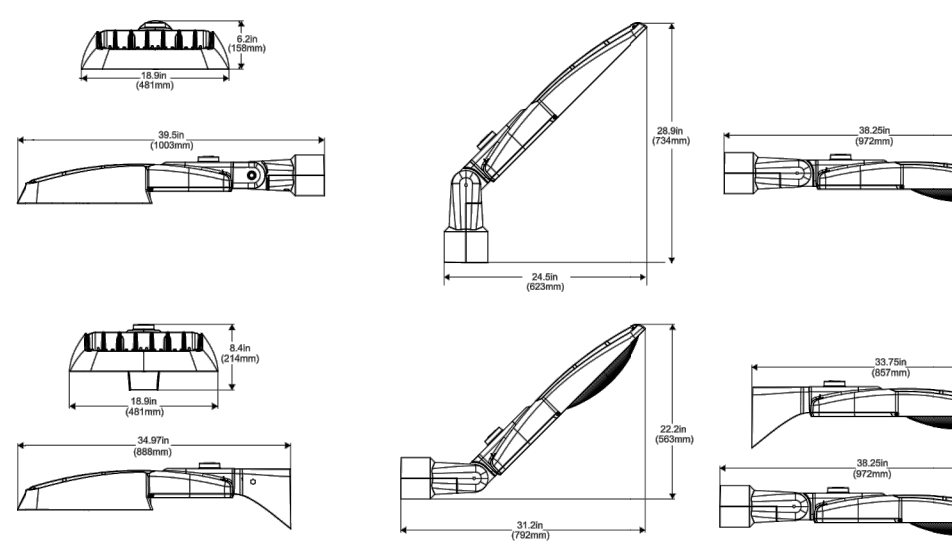
**Warranty**

5-year limited warranty. Complete warranty terms located at: [www.aquitybrands.com/support/customer-support/terms-and-conditions](http://www.aquitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.

Mounting/Optic	Tilt	Height	FOA
VH	0°	51 ft.	1.64
VH with Reflector & US	0°	44 ft.	1.44
VH	45°	35 ft.	2.85
UN	0°	31 ft.	1.44
UN with Reflector & US	0°	26 ft.	1.44

DIMENSIONAL DATA



LIGHTING NOTES:

GENERAL

- POINT-BY-POINT CALCULATIONS PROVIDED WITHIN HAVE BEEN PREPARED IN ACCORDANCE TO IESNA STANDARDS AND IN CONSIDERATION OF THE VARIABLES WITHIN THESE NOTES AND SITE LIGHTING SCHEDULE. THE VALUES SHOWN ON THE PLANS ARE NOT AN INDICATION OF THE INITIAL LIGHT INTENSITIES OF THE LAMPS. THESE VALUES ARE AN APPROXIMATION OF THE MAINTAINED INTENSITIES DELIVERED TO THE GROUND PLANE USING INDUSTRY STANDARD LIGHT LOSS FACTORS (LLF) WHICH COVER LAMP DEGRADATION AND NATURAL BUILDUP / DIRT DEGRADATION ON THE FIXTURE LENS. THE LIGHTING PLAN IS DESIGNED WITH AN INDUSTRY STANDARD LLF IN ACCORDANCE WITH GUIDANCE AS PROVIDED BY IESNA. MINOR VARIATIONS IN TOPOGRAPHY, PHYSICAL OBSTRUCTIONS, AMBIENT OR ADJACENT LIGHT SOURCES AND/OR OTHER POTENTIAL IMPACTS HAVE NOT BEEN INCLUDED IN THESE CALCULATIONS. THEREFORE, AS-BUILT LIGHT INTENSITIES MAY VARY, IN EITHER DIRECTION, FROM WHAT IS EXPLICITLY PORTRAYED WITHIN THESE DRAWINGS. NO GUARANTEE OF LIGHT LEVELS IS EXPRESSED OR IMPLIED BY THE POINT BY POINT CALCULATIONS SHOWN ON THESE PLANS.
- LIGHT LEVEL POINT SPACING IS 10 FT. LEFT TO RIGHT AND 10 FT. TOP TO BOTTOM. POINT BY POINT CALCULATIONS ARE BASED ON THE LIGHT LOSS FACTOR AS STATED IN THE LIGHTING SCHEDULE.

COMPLIANCE

- ALL SITE LIGHTING RELATED WORK AND MATERIALS SHALL COMPLY WITH CITY, COUNTY, AND OTHER APPLICABLE GOVERNING AUTHORITY REQUIREMENTS.
- LIGHTING LAYOUT COMPLIES WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) SAFETY STANDARDS FOR LIGHT LEVELS.

COORDINATION

- CONTRACTOR TO COORDINATE POWER SOURCE WITH LIGHT FIXTURES TO ENSURE ALL SITE LIGHTING IS OPERATING EFFECTIVELY, EFFICIENTLY AND SAFELY.
- REFER TO ELECTRIFICATION PLAN FOR PROVIDING ADEQUATE POWER FOR SITE LIGHTING.
- CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES AND DRAINAGE BEFORE DRILLING POLE BASES.
- INSTALLATION OF ALL LIGHTING FIXTURES, POLES, FOOTINGS, AND FEEDER CABLE TO BE COORDINATED WITH ALL SITE WORK TRADES TO AVOID CONFLICT WITH FINISHED AND PROPOSED WORK.
- CONTRACTOR TO COORDINATE INSTALLATION OF UNDERGROUND FEEDER CABLE FOR EXTERIOR LIGHTING WITH EXISTING AND PROPOSED UTILITIES, SITE DRAINAGE SYSTEMS, AND PAVING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE SHOULD ANY UTILITIES, NOT SHOWN ON THE PLANS, BE FOUND DURING EXCAVATIONS.

POLES AND FOOTINGS

- CONTRACTOR SHALL EXAMINE AND VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO SUPPORT LOADS EXERTED UPON THE FOUNDATIONS DURING EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNSATISFACTORY CONDITIONS.

ADJUSTMENT AND INSPECTION

- CONTRACTOR TO OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION. INSPECT FOR IMPROPER CONNECTIONS AND OPERATION.
- CONTRACTOR TO AIM AND ADJUST ALL LUMINAIRES TO PROVIDE ILLUMINATION LEVELS AND DISTRIBUTION AS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
- CONTRACTOR TO CONFIRM THAT LIGHT FIXTURES, TILT ANGLE AND AIMING MATCH SPECIFICATIONS ON THE PLANS.

REQUIREMENTS FOR ALTERNATES

- ALL LIGHTING SUBSTITUTIONS MUST BE MADE WITHIN 14 DAYS PRIOR TO THE BID DATE TO PROVIDE AMPLE TIME FOR REVIEW AND TO ISSUE AN ADDENDUM INCORPORATING THE SUBSTITUTION WITH THE FOLLOWING REQUIREMENTS:
  - ANY SUBSTITUTION TO LIGHTING FIXTURES, POLES, ETC. MUST BE APPROVED BY THE OWNER, ENGINEER AND TENANTS. ANY COST ASSOCIATED WITH REVIEW AND/OR APPROVAL OF THE SUBSTITUTIONS SHALL BE ENTIRELY BORNE BY THE CONTRACTOR.
  - COMPUTER PREPARED PHOTOMETRIC LAYOUT OF THE PROPOSED LIGHTED AREA WHICH INDICATES, BY ISOFOTOCANDLE, THE SYSTEM'S PERFORMANCE.
  - A PHOTOMETRIC REPORT FROM A NATIONAL INDEPENDENT TESTING LABORATORY WITH REPORT NUMBER, DATE, FIXTURE CATALOG NUMBER, LUMINAIRE AND LAMP SPECIFICATIONS; IES CALCULATIONS, POINT BY POINT FOOT CANDLE PLAN, STATISTIC ZONES SHOWING AVERAGE, MAXIMUM, MINIMUM AND UNIFORMITY RATIOS, SUMMARY, ISOLUX PLOT, AND CATALOGUE CUTS. CATALOGUE CUTS MUST IDENTIFY OPTICS, LAMP TYPE, DISTRIBUTION TYPE, REFLECTOR, LENS, BALLASTS, WATTAGE, VOLTAGE, FINISH HOUSING DESCRIPTION AND ALL OTHER PERTINENT INFORMATION.
  - POLE MANUFACTURER AASHTO CALCULATIONS INDICATING THE POLE AND ANCHOR BOLTS BEING SUBMITTED ARE CAPABLE OF SUPPORTING THE POLE AND FIXTURE SYSTEMS BEING UTILIZED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - THE UNDERWRITERS LABORATORY LISTING AND FILE NUMBER FOR THE SPECIFIC FIXTURE(S) TO BE UTILIZED.
  - A COLOR PHOTOGRAPH THAT CLEARLY SHOWS THE REPLACEMENT FIXTURE POLE MOUNTED, THE FIXTURE'S COLOR, FINISH, AND PHYSICAL CHARACTERISTICS.

NOTE: THE PHOTOMETRIC TEMPLATE REPRESENTS LIGHT THROW FOR EACH INDIVIDUAL FIXTURE AND DOES NOT REPRESENT LIGHT COMING FROM OTHER SOURCES.

Date	Description	No.
REVISIONS		
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Project	NYACK HOSPITAL TEMPORARY BALLFIELD PARKING LOT BLOCK No. 1, LOT No.42 VILLAGE OF NYACK ROCKLAND COUNTY NEW YORK
Drawing Title	FOR INFORMATION PURPOSES LIGHTING PLAN, NOTES, AND DETAILS
Project No.	100754201
Date	03/17/2020
Drawn By	ML
Checked By	DB
Drawing No.	LL201

