

# TOWNSHIP OF CHERRY HILL CAMDEN COUNTY, NEW JERSEY

= CONTRACT DRAWINGS =

## CHALLENGE GROVE PARK PAVILION IMPROVEMENTS

JUNE 2020

Contract No. C-CM-00208-01

**MAGGIE McCANN JOHNS, CAMDEN COUNTY PARKS DIRECTOR**

**CAMDEN COUNTY BOARD OF FREEHOLDERS**

<b>LOUIS CAPPELLI, JR.</b>	<b>FREEHOLDER DIRECTOR</b>
<b>EDWARD T. McDONNELL</b>	<b>FREEHOLDER DEPUTY DIRECTOR</b>
<b>BARBARA HOLCOMB</b>	<b>FREEHOLDER</b>
<b>MELINDA KANE</b>	<b>FREEHOLDER</b>
<b>JEFFREY L. NASH</b>	<b>FREEHOLDER</b>
<b>CARMEN G. RODRIGUEZ</b>	<b>FREEHOLDER</b>
<b>JONATHAN L. YOUNG, SR.</b>	<b>FREEHOLDER</b>



**LOCATION MAP**

SCALE: 1" = 500'

UTILITY AND GOVERNING AGENCIES CONTACT LIST:

SOUTH JERSEY GAS 1 SOUTH JERSEY PLAZA FOLSOM, NJ 08037 (609) 561-9000	PSE&G 4140 QUAKER BRIDGE ROAD LAWRENCEVILLE, NJ 08648 (609) 581-7092
CITY OF CAMDEN 520 MARKET STREET, SUITE 325 CAMDEN, NJ 08101	CAMDEN COUNTY MUNICIPAL UTILITIES AUTHORITY 1645 FERRY AVENUE CAMDEN, NJ 08104 (856) 541-3700
VERIZON 445 GEORGES ROAD, FLOOR 2 NORTH BRUNSWICK, NJ 08902 (732) 846-9942	ONE CALL SYSTEM (800)-272-1000

THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE PLOTTED FROM AVAILABLE DATA ON FILE WITH THE UTILITY COMPANIES AND ARE NOT WARRANTED AS TO THE EXACTNESS. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION AND DEPTH OF UTILITIES AT ALL CROSSINGS PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

**INDEX OF DRAWINGS**

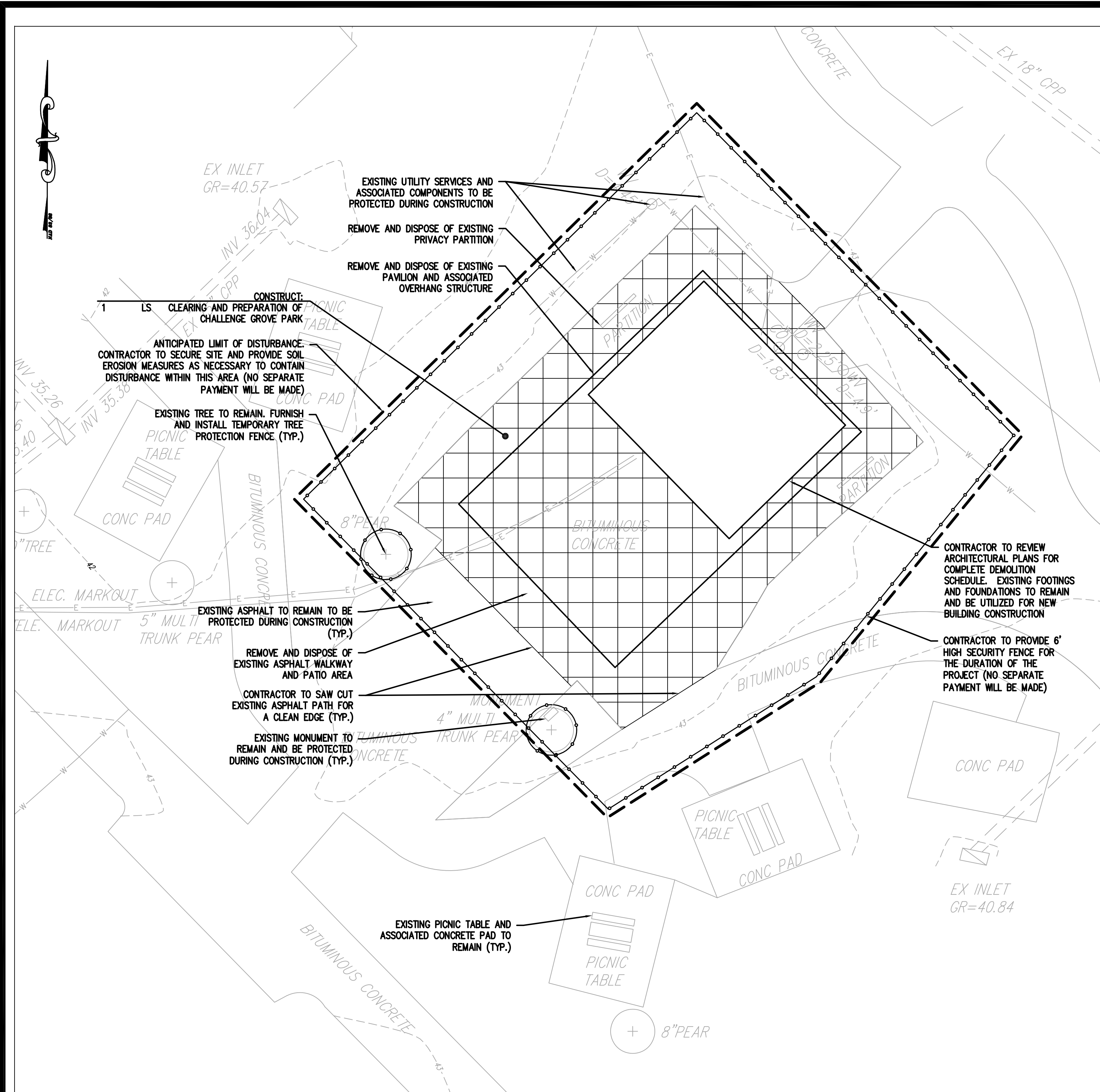
Sheet	Description	Last Revised
1	COVER & INDEX SHEET	-
2	CHALLENGE GROVE PARK PAVILION SITE PLAN	-
3	CHALLENGE GROVE PARK GAZEBO SITE PLAN	-
4	CONSTRUCTION DETAILS	-

**ARCHITECTURAL DRAWINGS (APPENDIX)**

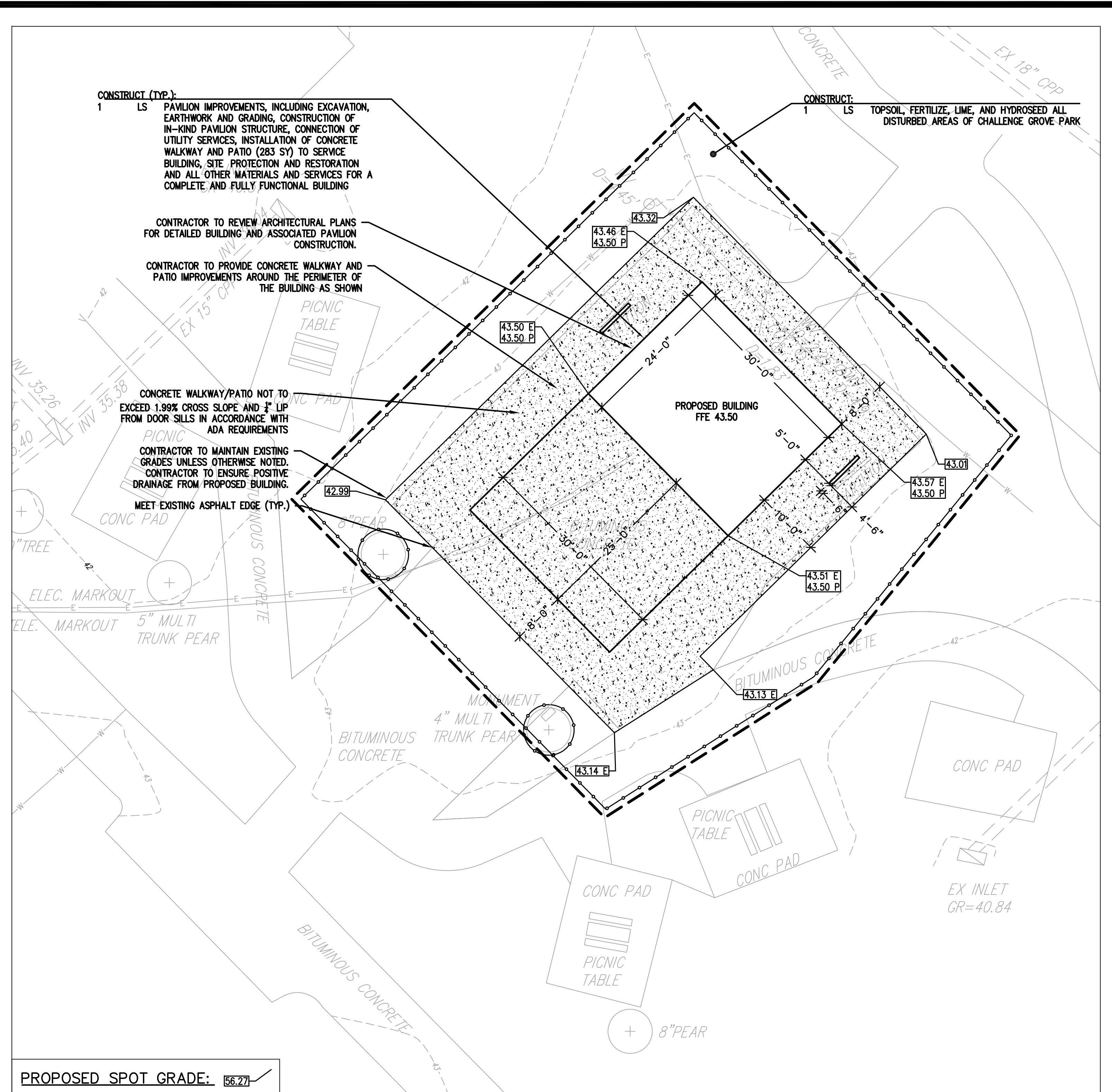
Sheet	Description	Last Revised
C-1	COVER SHEET	-
A-1	FLOOR PLANS, ROOF PLAN, REFLECTED CEILING PLAN, BUILDING ELEVATIONS AND BUILDING SECTIONS	-
A-2	WALL SECTIONS AND DETAILS	-
M0.1	MECHANICAL GENERAL INFORMATION	-
M1.1	MECHANICAL FLOOR PLAN	-
M2.1	MECHANICAL DETAILS AND SCHEDULES	-
P0.1	PLUMBING GENERAL INFORMATION	-
P1.1	PLUMBING FLOOR PLAN	-
E0.1	ELECTRICAL GENERAL INFORMATION	-
E1.1	ELECTRICAL FLOOR PLAN	-

NO.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
TOWNSHIP OF CHERRY HILL CAMDEN COUNTY, NEW JERSEY <b>CHALLENGE GROVE PARK PAVILION IMPROVEMENTS</b> COVER & INDEX SHEET				
 CONSULTING AND MUNICIPAL ENGINEERS <small>3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1660 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1914</small>				
JOHN H. ALLGAR P.E., P.P. <small>(1963 - 2001)</small>	DAVID J. SAMUEL P.E., P.P. <small>NO. P.E. LIC. NO. 25886</small>	JOHN J. STEFANI P.E., L.S. & P.P. <small>NO. P.E. LIC. NO. 21421</small>		
JAY B. CORNELL P.E., P.P. <small>NO. P.E. LIC. NO. 37943</small>	MICHAEL J. MCCLELLAND P.E., P.P. <small>NO. P.E. LIC. NO. 37948</small>	GREGORY R. VALES P.E., P.P. <small>NO. P.E. LIC. NO. 4341</small>		
<b>GREGORY R. VALES P.E., P.P.</b>  NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. 34458			SCALE: AS SHOWN DESIGNED BY: DGP DATE: JUNE 2020	DRAWN BY: DGP CHECKED BY: SEL SHEET: 1 OF 4

20-06-29 SITE  
 I-COVER  
 CM208.01



**EXISTING CONDITIONS & DEMOLITION PLAN**  
SCALE: 1" = 10'



**SITE PLAN**  
SCALE: 1" = 10'

**NOTE:**  
STAGING AREA SHALL BE DETERMINED IN THE FIELD WITH OWNER PRIOR TO CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR COMPLETE RESTORATION OF STAGING AREA.

**NOTE:**  
THE CONTRACTOR IS ADVISED THE PROJECT SITE IS WITHIN A PUBLIC PARK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE SAFETY OF PARK USERS DURING CONSTRUCTION.

**NOTE:**  
THIS PROJECT DOES NOT MEET THE REQUIREMENTS NECESSARY FOR SUBMISSION TO CAMDEN COUNTY SOIL CONSERVATION DISTRICT, HOWEVER, THE CONTRACTOR SHALL COMPLY WITH ALL STANDARD SOIL EROSION AND SEDIMENT CONTROL GUIDELINES FOR NEW JERSEY AND AS DIRECTED BY THE ENGINEER.

**NOTE:**  
TREE PROTECTION FENCE SHALL BE INSTALLED WHERE SHOWN ON THE PLAN OR WHERE DIRECTED BY THE OWNER OR ENGINEER.

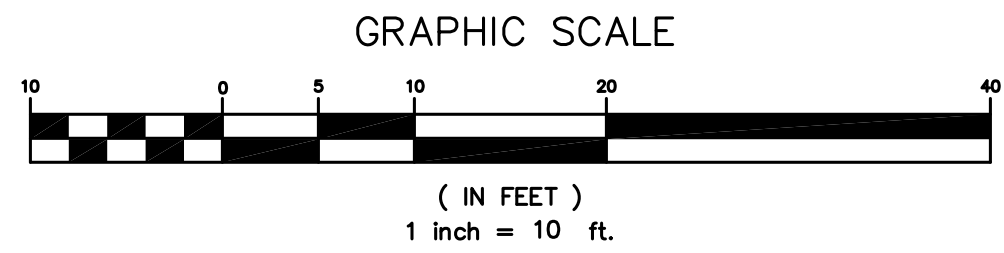
**NOTE:**  
REMOVAL AND DISPOSAL OF ALL EXISTING MATERIALS TO BE PAID FOR UNDER 'CLEARING AND PREPARATION OF SITE' AND SHALL INCLUDE REMOVAL OF ALL ITEMS NOT SPECIFICALLY NOTED, AS NECESSARY TO COMPLETE THE PROPOSED IMPROVEMENTS FOR THE PROJECT.

**NOTE:**  
CONTRACTOR RESPONSIBLE FOR PROVIDING NECESSARY FILL MATERIAL TO BRING AREAS OF SUB-BASE REMOVAL TO GRADE, IF AND WHERE NECESSARY. NO SEPARATE PAYMENT WILL BE MADE.

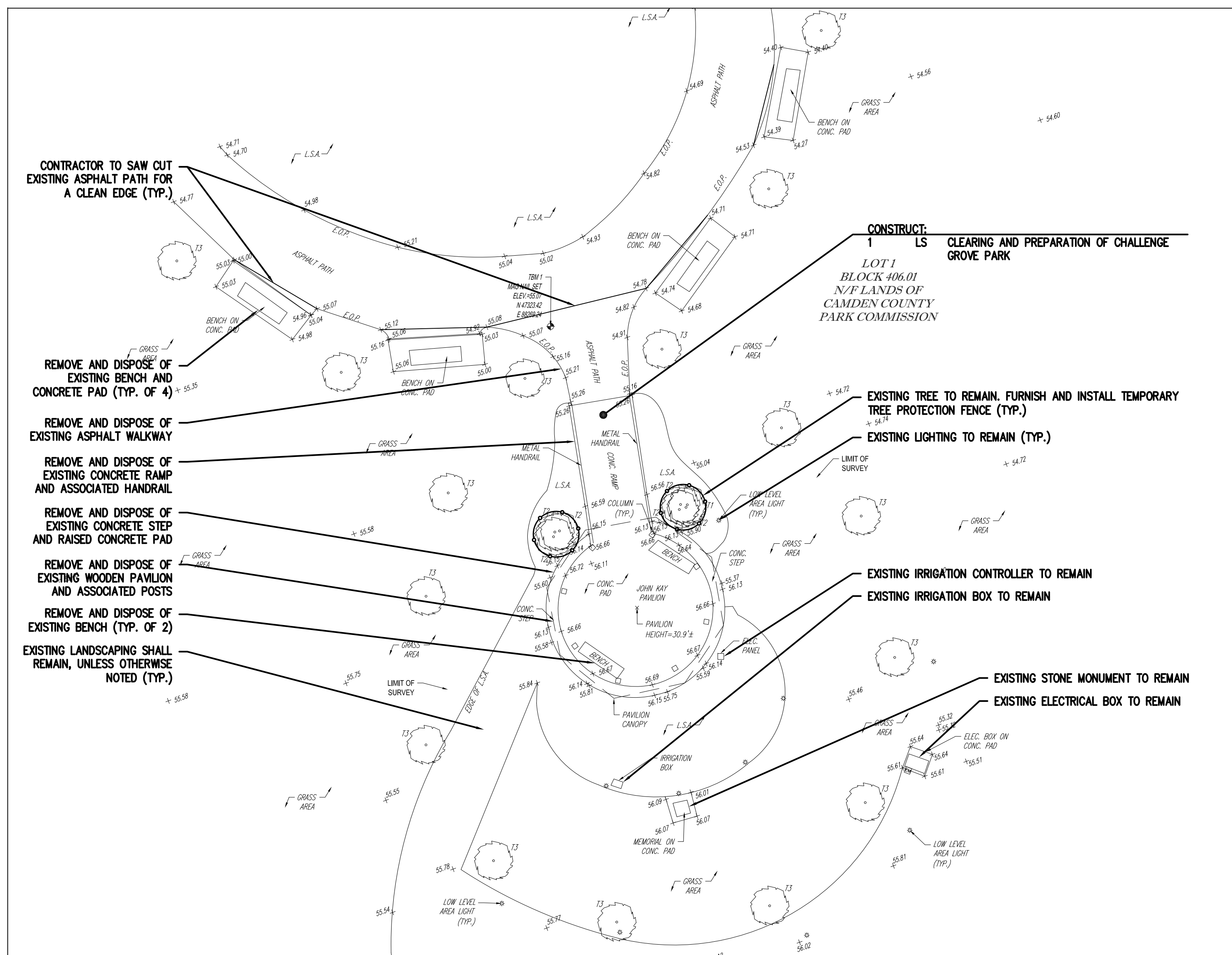
PROPOSED SPOT GRADE: 56.27

**CONSTRUCT**

- 1 LS Clearing and Preparation of Challenge Grove Park
- 1 LS Pavilion Improvements, including excavation, earthwork and grading, construction of in-kind pavilion structure, connection of utility services, installation of concrete walkway and patio (283 SY) to service building, site protection and restoration and all other materials and services for a complete and fully functional building
- 1 LS Topsoil, Fertilize, Lime, and Hydroseed all Disturbed Areas of Challenge Grove Park

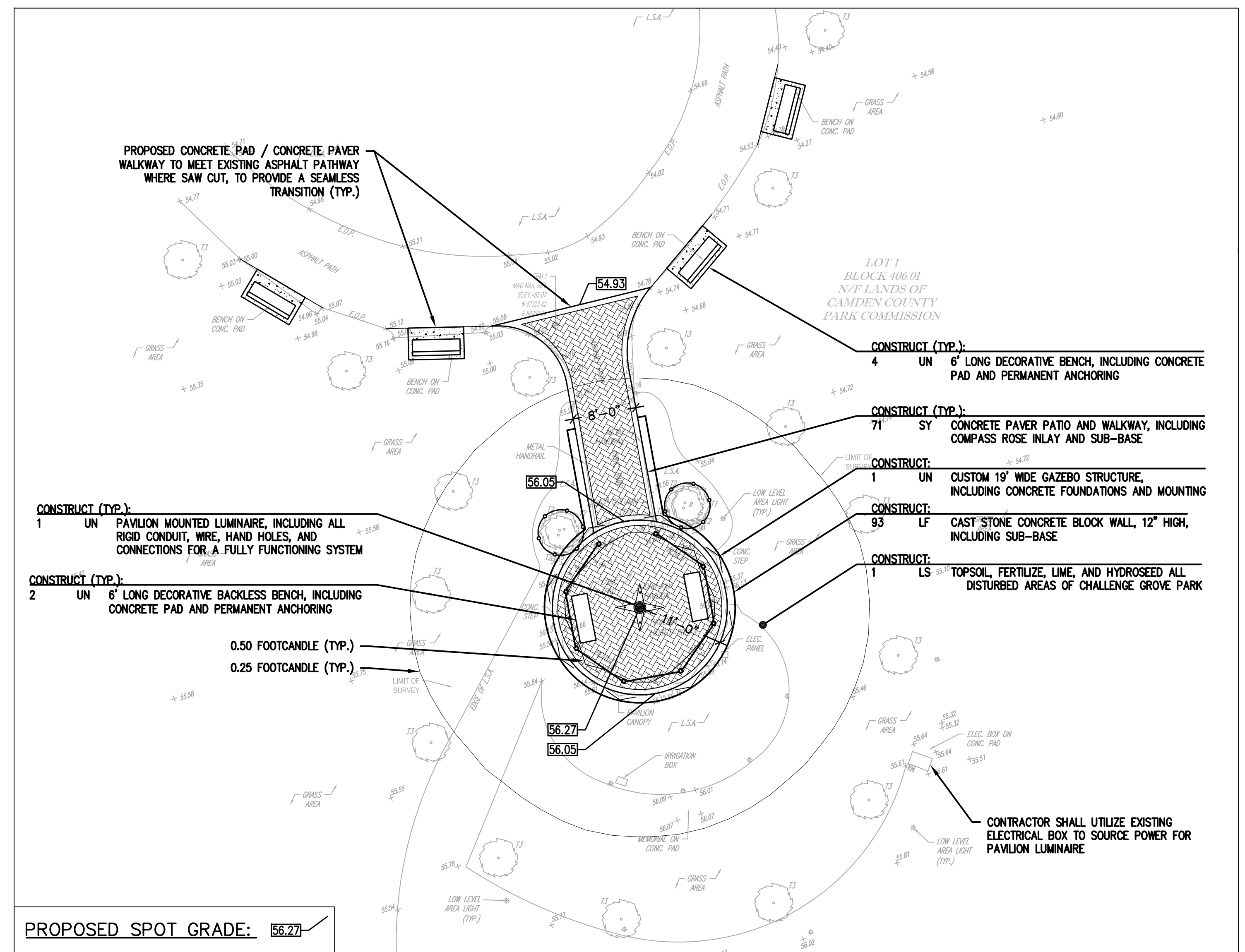


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TOWNSHIP OF CHERRY HILL CAMDEN COUNTY, NEW JERSEY <b>CHALLENGE GROVE PARK</b> <b>PAVILION IMPROVEMENTS</b> BLOCK 406.01, LOT 1 <b>PAVILION SITE PLAN</b>				
 <b>CONSULTING AND MUNICIPAL ENGINEERS</b> <small>3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1114</small>				
JOHN H. ALLGAR P.E., P.P. <small>(1983 - 2001)</small>	DAVID J. SAMUEL P.E., P.P. <small>NO P.P. LIC. NO. 2805</small>	JOHN J. STEFANI P.E., L.S. & P.P. <small>NO P.P. LIC. NO. 2491</small>		
JAY B. CORNELL P.E., P.P. <small>NO P.P. LIC. NO. 3764</small>	MICHAEL J. MCCLELLAND P.E., P.P. <small>NO P.P. LIC. NO. 3874</small>	GREGORY R. VALES P.E., P.P. <small>NO P.P. LIC. NO. 3445</small>		
<b>GREGORY R. VALES P.E., P.P.</b>  <small>NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. 34458</small>			SCALE: 1" = 10'	DESIGNED BY: DGP
			CHECKED BY: SEL	SHEET: 2 OF 4
				20-06-29 SITE 2-SITE-CG CM208.01



**EXISTING CONDITIONS & DEMOLITION PLAN**

SCALE: 1" = 10'

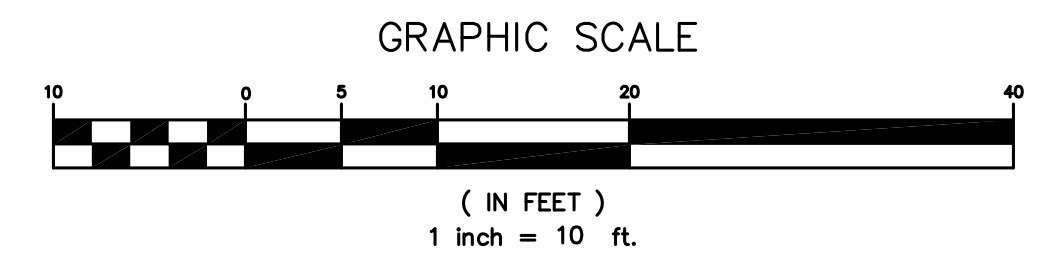


**SITE PLAN**

SCALE: 1" = 10'

**CONSTRUCT**

- 1 LS Clearing and Preparation of Challenge Grove Park
- 1 UN Custom 19' Wide Gazebo Structure, including concrete foundations and mounting
- 71 SY Concrete Paver Patio and Walkway, including compass rose inlay and sub-base
- 93 LF Cast Stone Concrete Block Wall, 12" High, including sub-base
- 4 UN 6' Long Decorative Bench, including concrete pad and permanent anchoring
- 2 UN 6' Long Decorative Backless Bench, including concrete pad and permanent anchoring
- 1 UN Pavilion Mounted Luminaire, including all rigid conduit, wire, hand holes, and connections for a fully functioning system
- 1 LS Topsoil, Fertilize, Lime, and Hydroseed all Disturbed Areas of Challenge Grove Park



**NOTE:**  
THE CONTRACTOR IS ADVISED THE PROJECT SITE IS WITHIN A PUBLIC PARK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE SAFETY OF PARK USERS DURING CONSTRUCTION.

**NOTE:**  
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**NOTE:**  
TREE PROTECTION FENCE SHALL BE INSTALLED WHERE SHOWN ON THE PLAN OR WHERE DIRECTED BY THE OWNER OR ENGINEER.

**NOTE:**  
REMOVAL AND DISPOSAL OF ALL EXISTING MATERIALS TO BE PAID FOR UNDER 'CLEARING AND PREPARATION OF SITE' AND SHALL INCLUDE REMOVAL OF ALL ITEMS NOT SPECIFICALLY NOTED, AS NECESSARY TO COMPLETE THE PROPOSED IMPROVEMENTS FOR THE PROJECT.

**NOTE:**  
CONTRACTOR SHALL COORDINATE ANY POTENTIAL RE-USE OF MATERIALS (BENCHES, ETC.) WITH THE COUNTY

**NOTE:**  
CONTRACTOR SHALL CAREFULLY REMOVE AND SAVE ANY EXISTING DEDICATION PLAQUES LOCATED ON BENCHES TO BE REMOVED, FOR FUTURE USE BY THE OWNER.

**NOTE:**  
CONTRACTOR RESPONSIBLE FOR PROVIDING NECESSARY FILL MATERIAL TO BRING AREAS OF SUB-BASE REMOVAL TO GRADE, IF AND WHERE NECESSARY. NO SEPARATE PAYMENT WILL BE MADE.

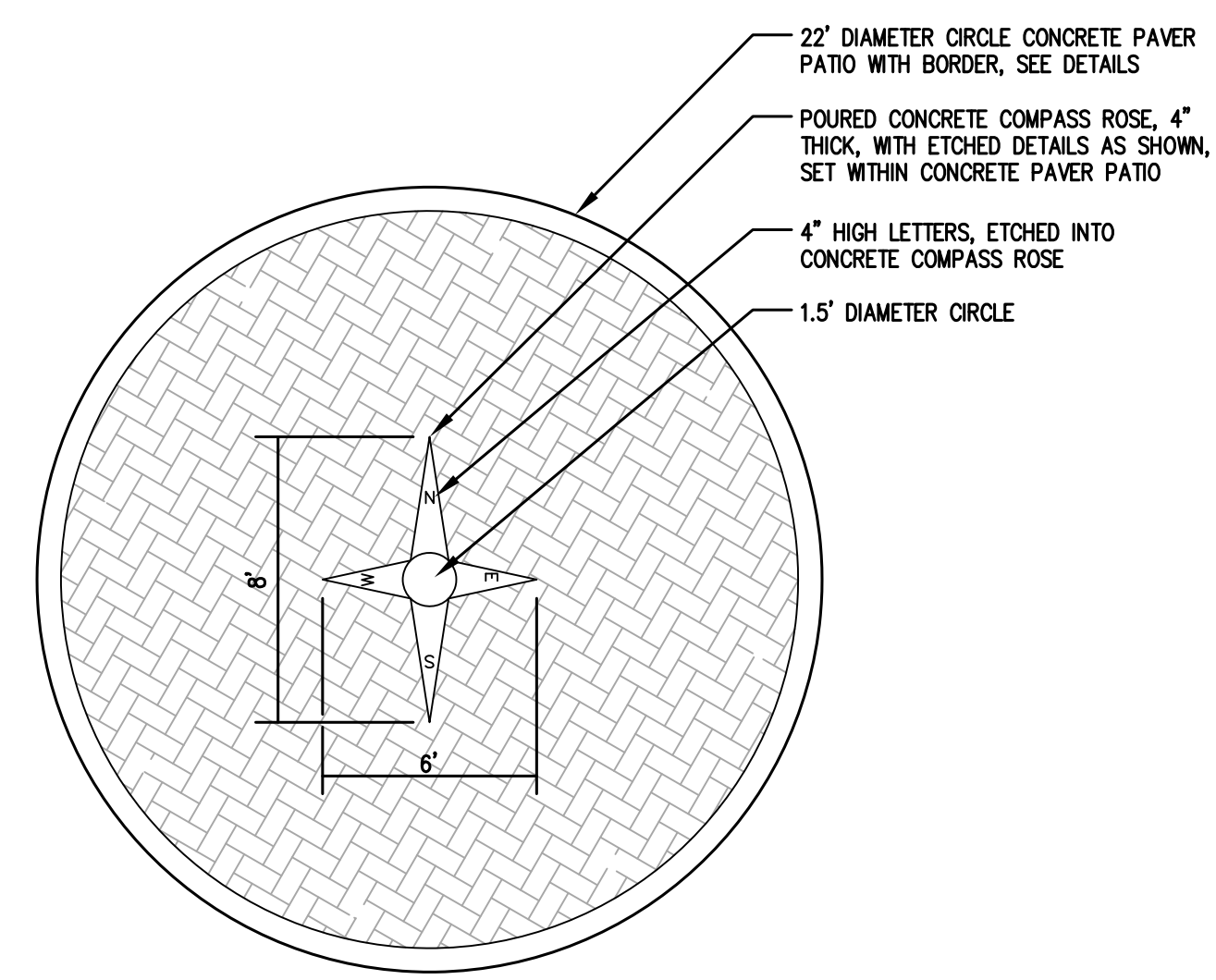
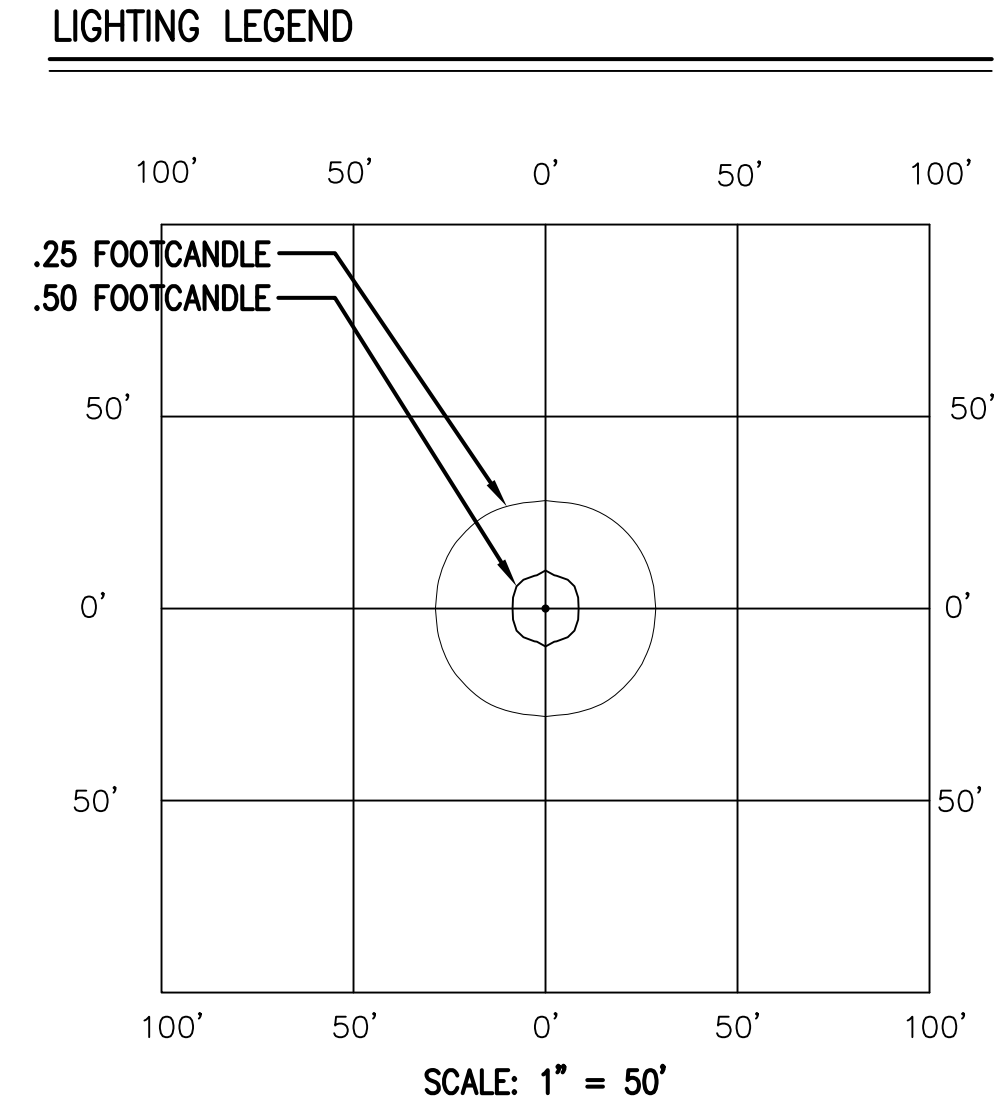
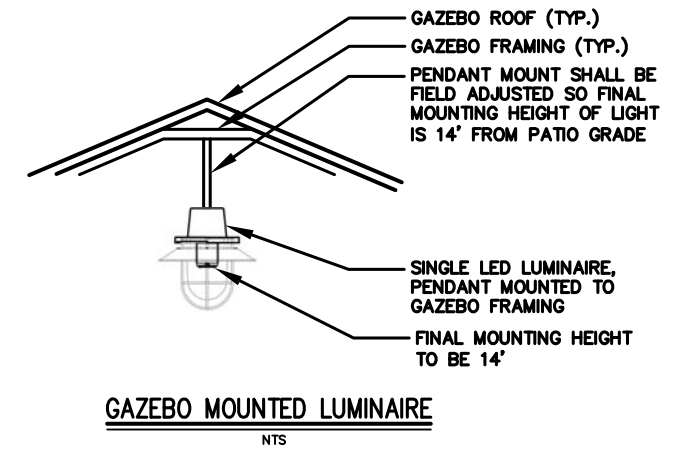
**NOTE:**  
CONTRACTOR SHALL RUN RIGID ELECTRICAL CONDUIT UP PROPOSED PAVILION POST AND BEAM(S) TO HANG THE PROPOSED LUMINAIRE. RIGID CONDUIT SHALL BE PAINTED TO MATCH THE COLOR OF THE PROPOSED PAVILION POSTS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OUTLINING ALL ASPECTS OF THE PROPOSED ELECTRICAL WORK, PRIOR TO INSTALLATION, FOR REVIEW. SHOP DRAWING SHALL INCLUDE, BUT NOT LIMITED TO, ELECTRICAL CONNECTIONS, LAYOUT OF RIGID CONDUIT AND HAND HOLES, METHODS OF ATTACHMENT TO GAZEBO. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE TO ALL NEC REQUIREMENTS.

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TOWNSHIP OF CHERRY HILL CAMDEN COUNTY, NEW JERSEY <b>CHALLENGE GROVE PARK            PAVILION IMPROVEMENTS</b> BLOCK 406.01, LOT 1 GAZEBO SITE PLAN				
 <b>CONSULTING AND MUNICIPAL ENGINEERS</b> <small>3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1462 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1114</small>				
JOHN H. ALLGAIER P.E., P.P. <small>(1983 - 2007)</small>	DAVID J. SAMUEL P.E., P.P. <small>NO. PP LIC. NO. 28889</small>	JOHN J. STEFANI P.E., L.S. & P.P. <small>NO. PE LIC. NO. 21421</small>		
JAY B. CORNELL P.E., P.P. <small>NO. PE LIC. NO. 37943</small>	MICHAEL J. MCCLELLAND P.E., P.P. <small>NO. PE LIC. NO. 38770</small>	GREGORY R. VALESI P.E., P.P. <small>NO. PE LIC. NO. 34458</small>		
<b>GREGORY R. VALESI P.E., P.P.</b>  <small>NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. 34458</small>			SCALE: 1" = 10'	DESIGNED BY: DGP
			CHECKED BY: SEL	SHEET: 3 OF 4
				20-06-29 SITE 3-SITE-CG CM208.01

Symbol	Fix Qty	MH	Arrangement	LLF	Description	LED COUNT
●	1	14'	SINGLE	0.90	PIE20-PBC-12NB-25-4K-UNV-DIR5-PM-SS-WHT (BEACON PRODUCTS PIERWALK 20 TYPE V LED LUMINAIRE)	12

**LIGHTING NOTES:**

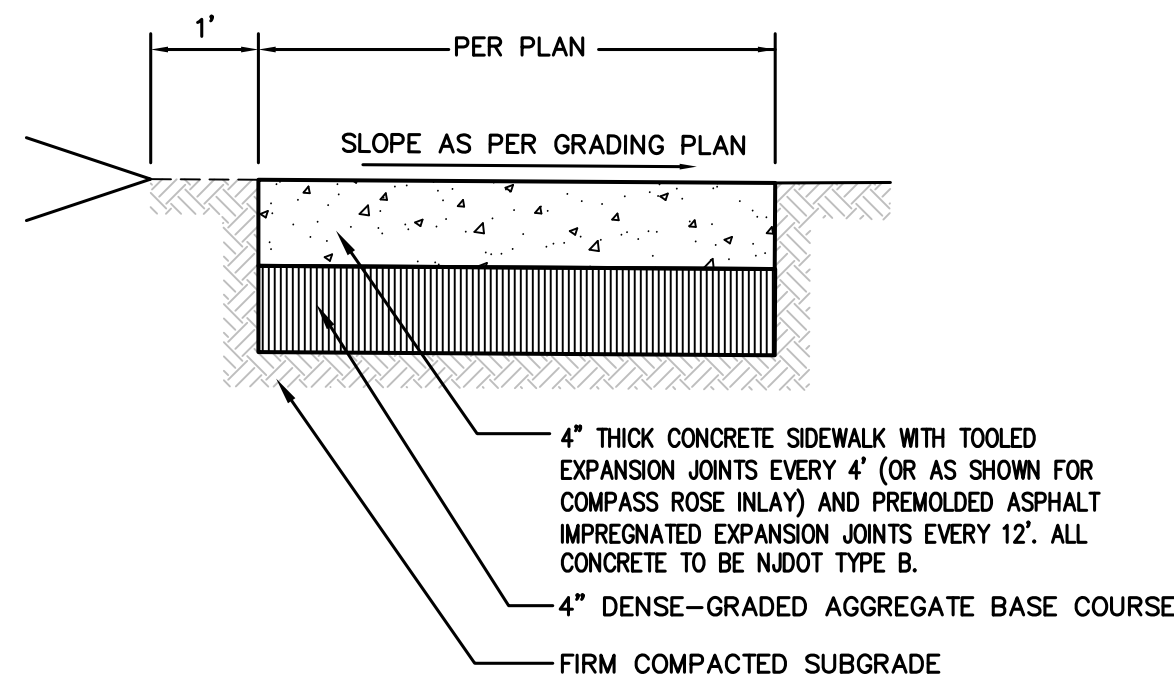
- PROPOSED LIGHT FIXTURE SHALL BE CONTROLLED WITH A SINGLE PHOTOCELL (ON GAZEBO ROOF) CONNECTED TO LIGHTING CONTACTOR PANEL AND SHALL REMAIN OPERATIONAL FROM DUSK UNTIL DAWN.
- ISOLINES ARE SHOWN AT THE .25 & .50 FOOTCANDLE LEVELS



**CHALLENGE GROVE PARK  
RAISED CONCRETE PAVER PATIO DETAIL**

NOTES:

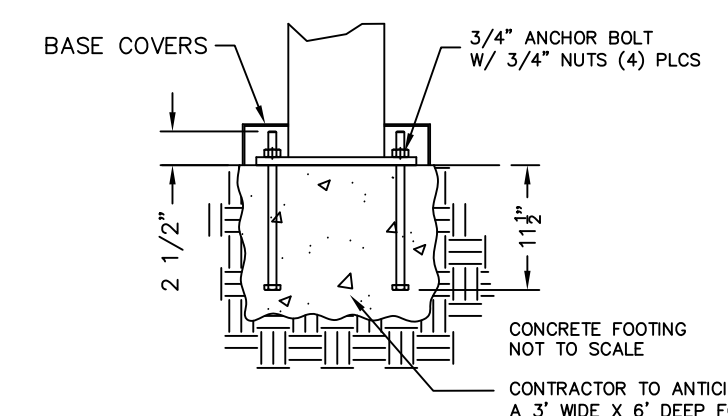
- CONTRACTOR SHALL CONSTRUCT SOLID, 4" THICK COMPASS ROSE INLAY PRIOR TO SETTING OF CONCRETE PAVERS.
- COMPASS ROSE INLAY SHALL BE COMPRISED OF A COLORED CONCRETE, CHOSEN BY THE OWNER, AND HAVE ETCHED DETAILS, UTILIZING EXPANSION JOINT TYPE SAW CUTS TO CREATE THE DESIGN, AS SHOWN.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING, PRIOR TO INSTALLATION.



NOTES:

- TRANSVERSE EXPANSION JOINTS 1/2" WIDE SHALL BE PROVIDED @ INTERVALS OF NOT MORE THAN 20' AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER. LONGITUDINAL JOINTS 1/4" WIDE SHALL BE PROVIDED BETWEEN CURB AND ABUTTING SIDEWALKS AND SHALL BE FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE TOP OF THE SIDEWALK.
- CONTRACTOR TO PROVIDE GRADING CUT SHEETS PRIOR TO COMMENCEMENT OF ALL WORK

**CONCRETE PAD / COMPASS ROSE INLAY DETAIL**

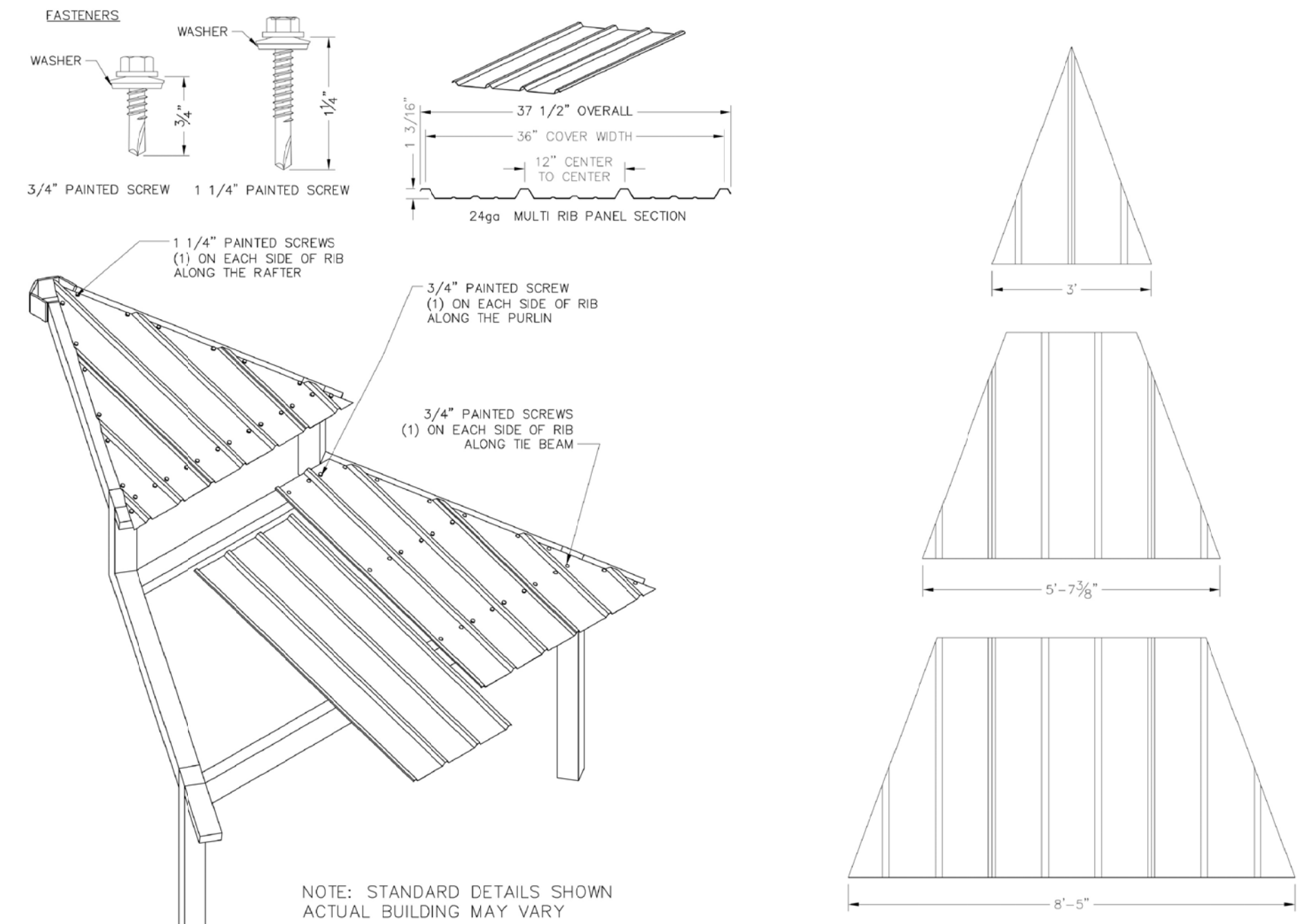
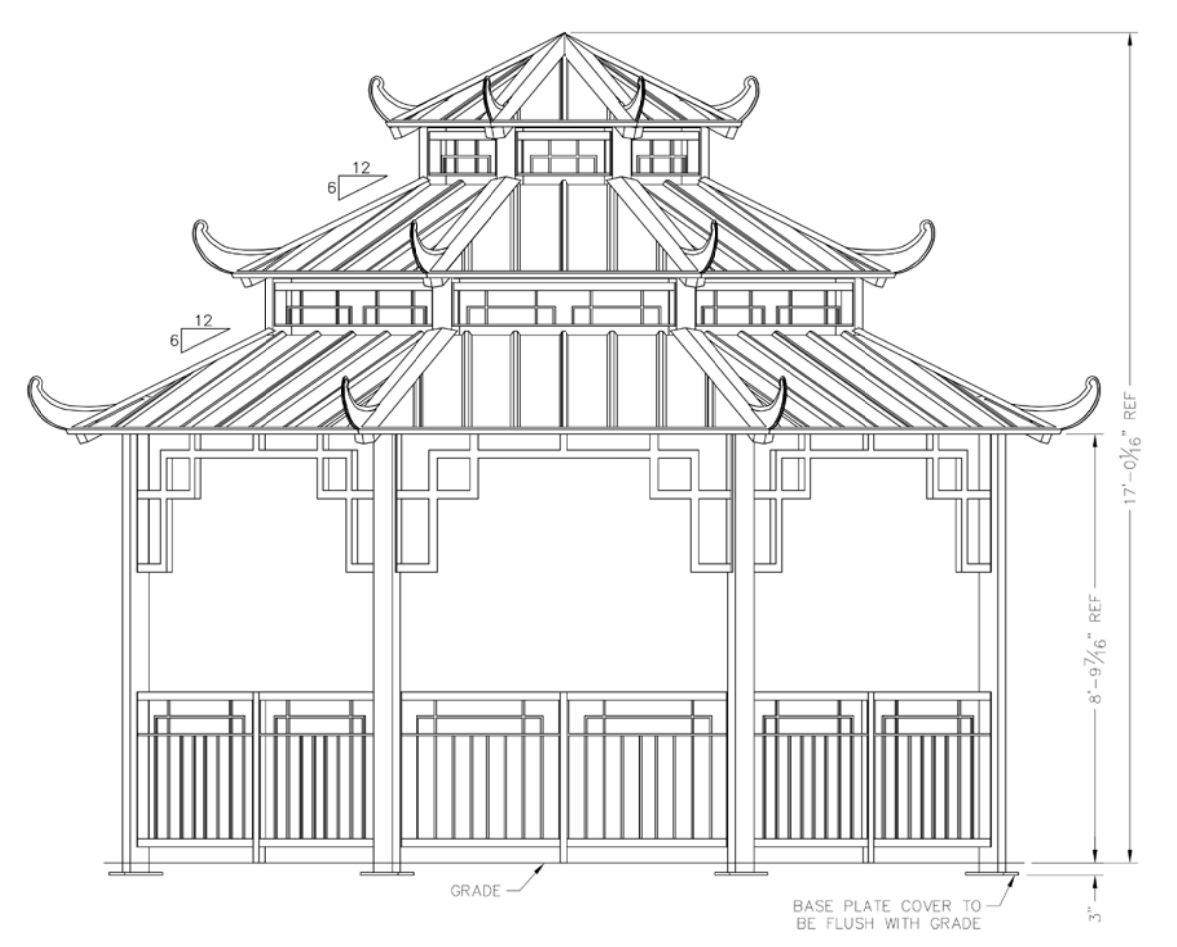


CONCRETE FOOTING NOT TO SCALE  
CONTRACTOR TO ANTICIPATE A 3" WIDE X 6" DEEP FOOTING. SHOULD THE FINAL ENGINEERING DRAWINGS RESULT IN A SMALLER FOOTING THE CONTRACTOR SHALL PROVIDE A CREDIT TO THE COUNTY

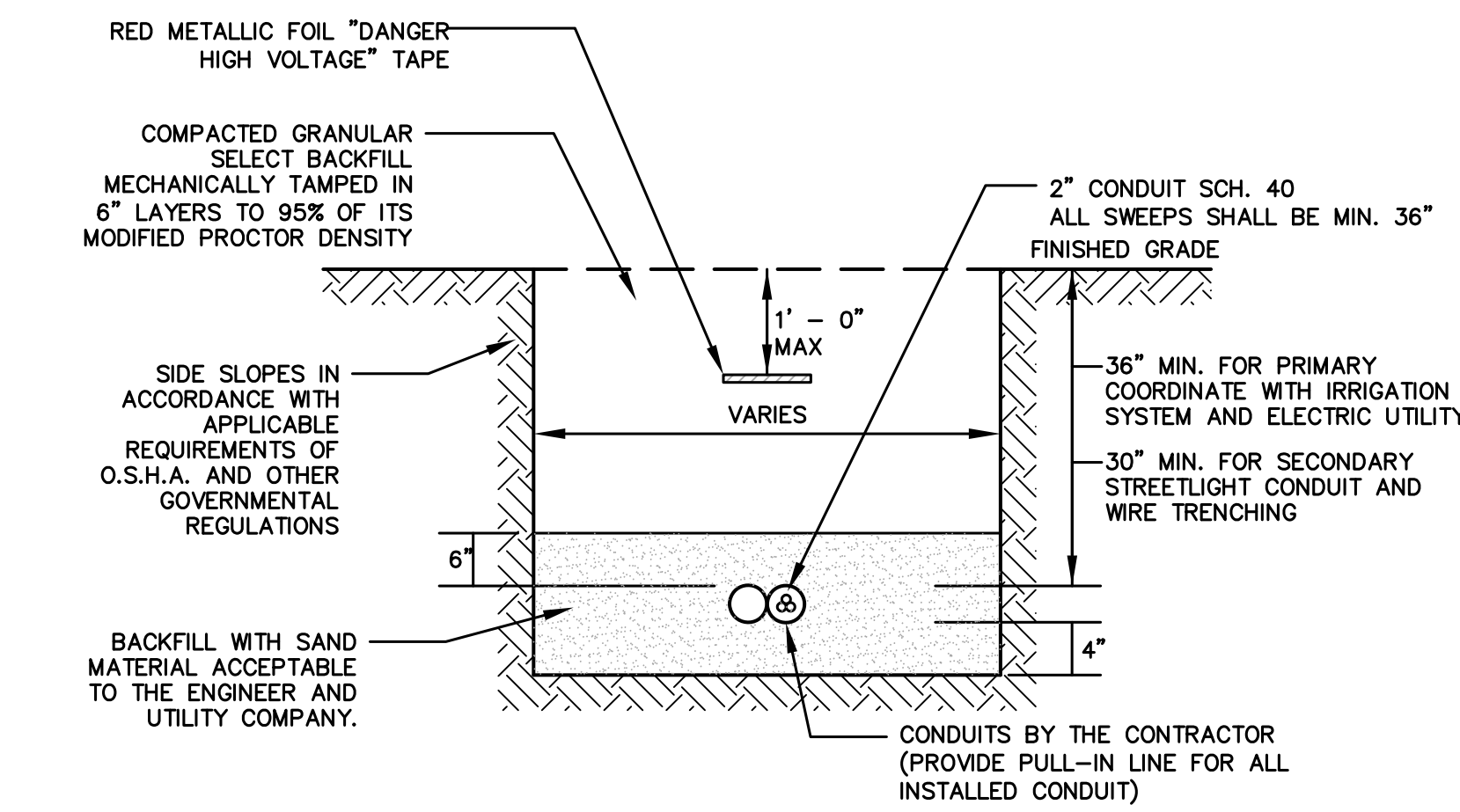
NOTES:

- PREFABRICATED SHADE STRUCTURE SHALL BE MODEL: OC22-9M3C-P6-30-100-100-52816 MANUFACTURED BY: 'ICON SHELTERS' AND PROVIDED BY BEN SHAFFER RECREATION INC. (973-663-2021)
- DETAILS PROVIDED FOR BIDDING PURPOSES. CONTRACTOR SHALL PROVIDE SHOP SUBMITTALS DETAILING LAYOUT, CONCRETE FOUNDATIONS, REINFORCEMENT AND EXECUTION FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION
- CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF PLANS AND DETAILS BY A N.J. LICENSED ENGINEER FOR SUBMITTAL TO THE CONSTRUCTION DEPARTMENT FOR PERMITTING
- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES
- ANY REQUIRED SOIL TESTING FOR BEARING CAPACITY DETERMINATION IS THE RESPONSIBILITY OF THE CONTRACTOR

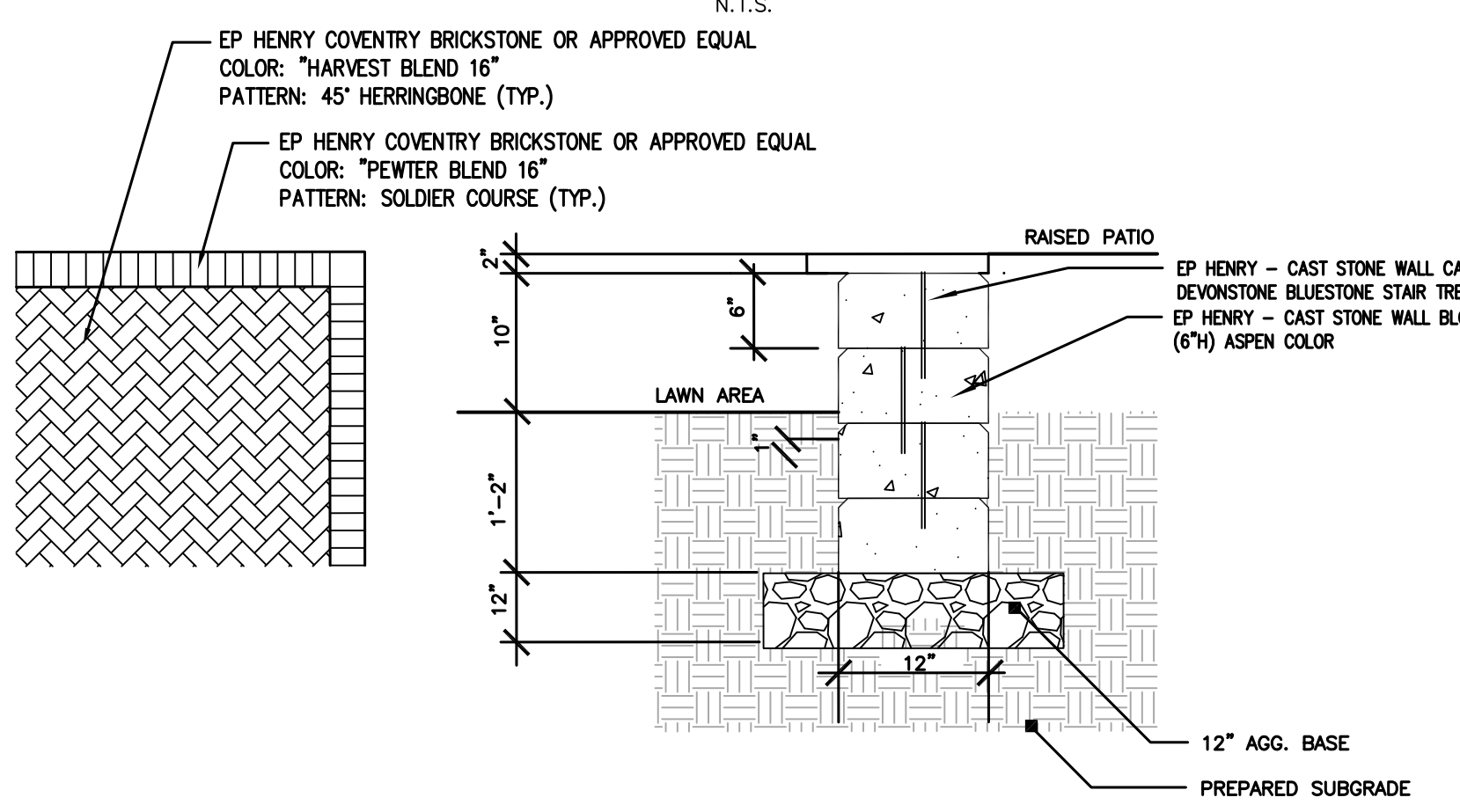
**PREFABRICATED GAZEBO STRUCTURE**



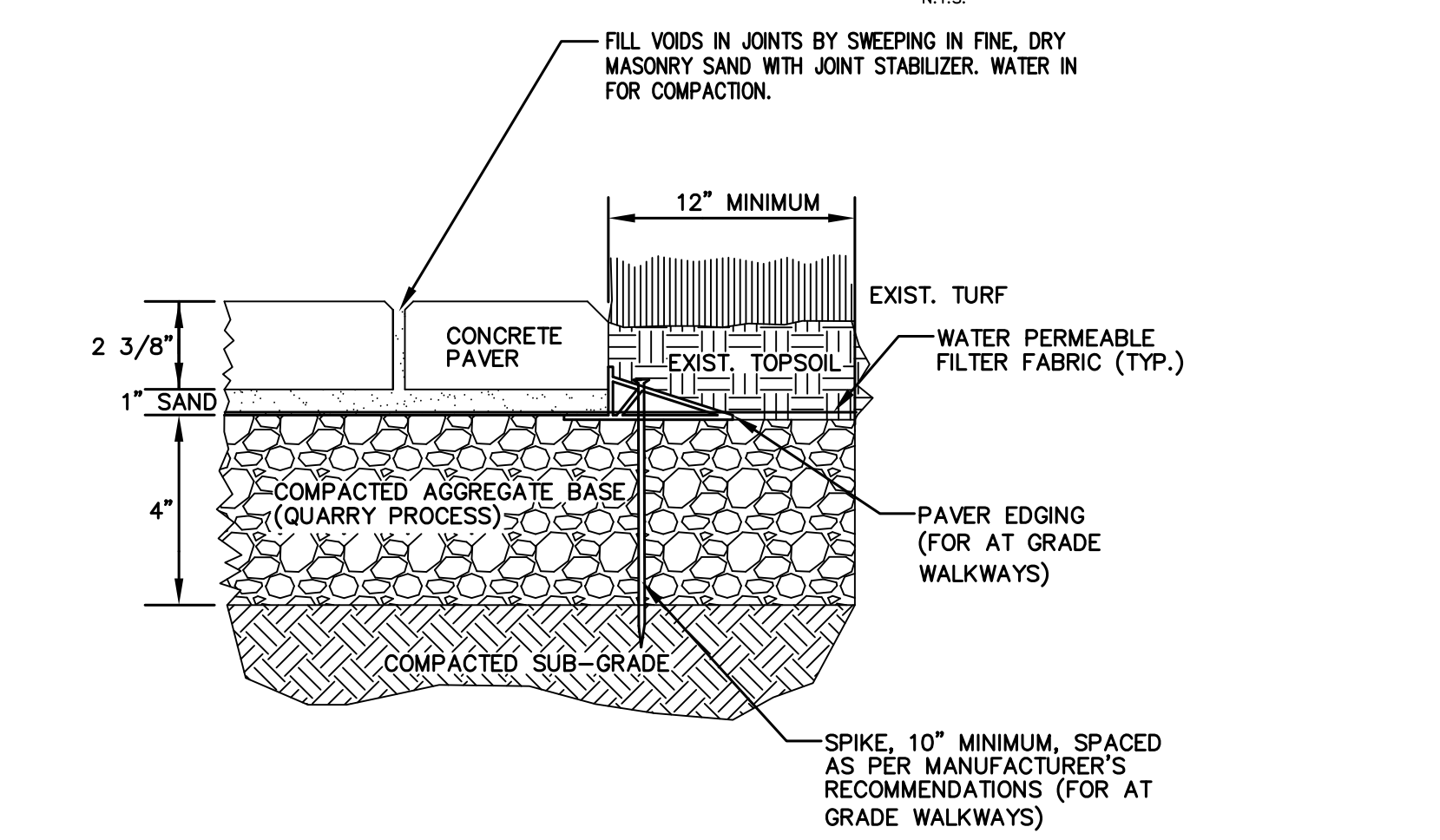
NOTE: STANDARD DETAILS SHOWN  
ACTUAL BUILDING MAY VARY



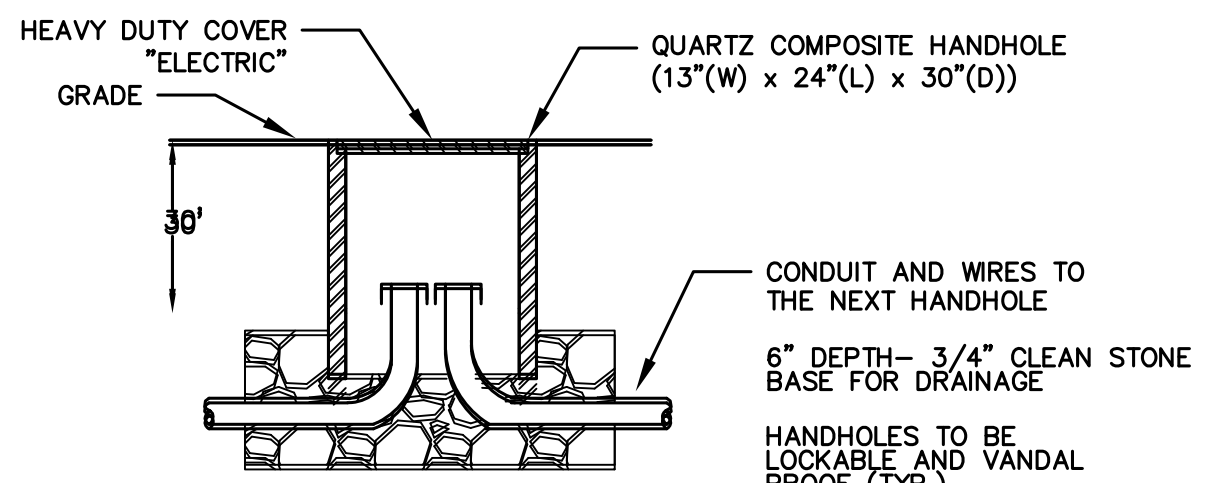
**ELECTRIC UTILITY  
TYPICAL TRENCHING DETAIL**



**DECORATIVE PAVER BLOCK WALL**



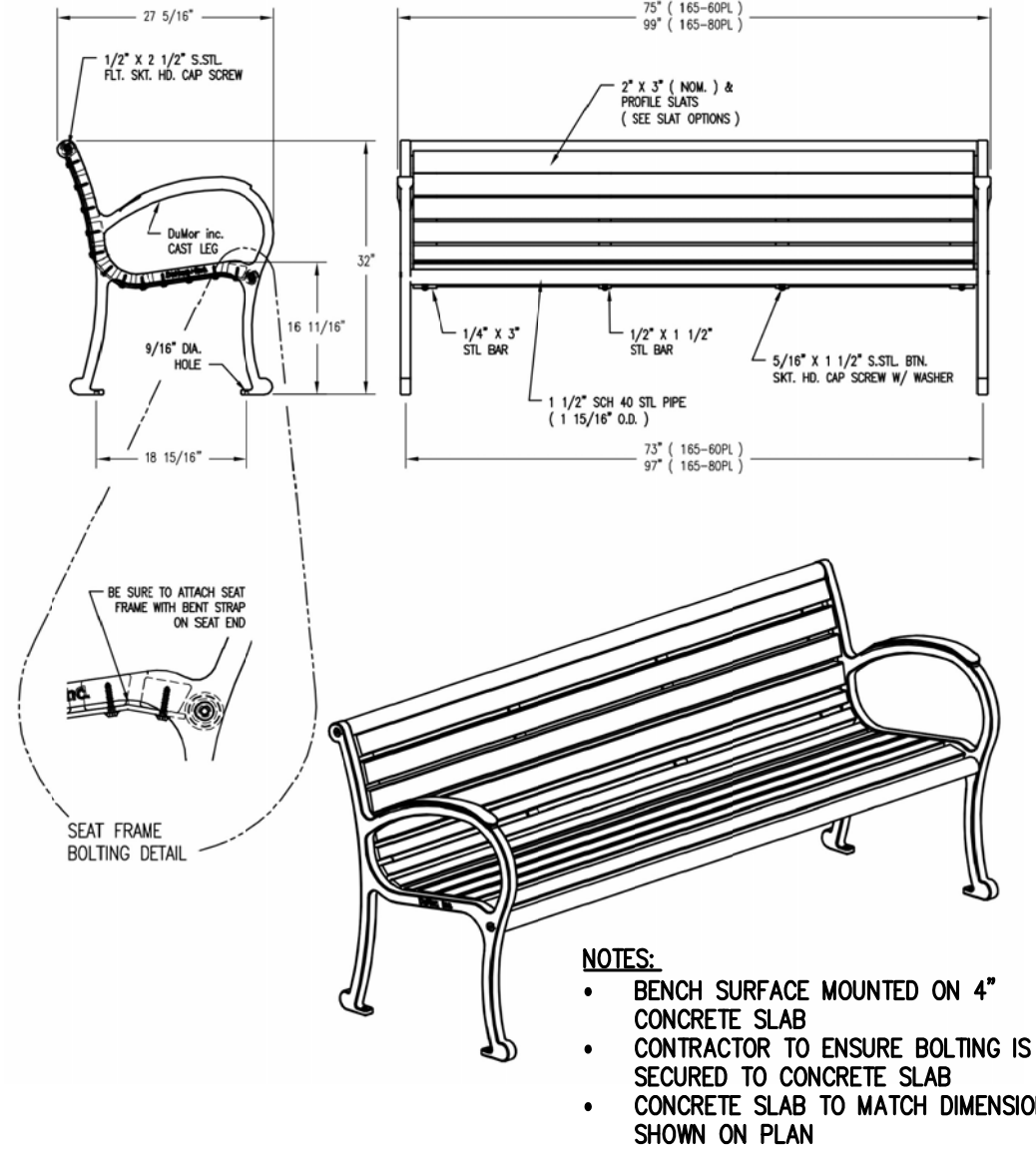
**CONCRETE PAVER WALKWAY / PATIO DETAIL**



**ELECTRICAL HANDHOLE DETAIL**

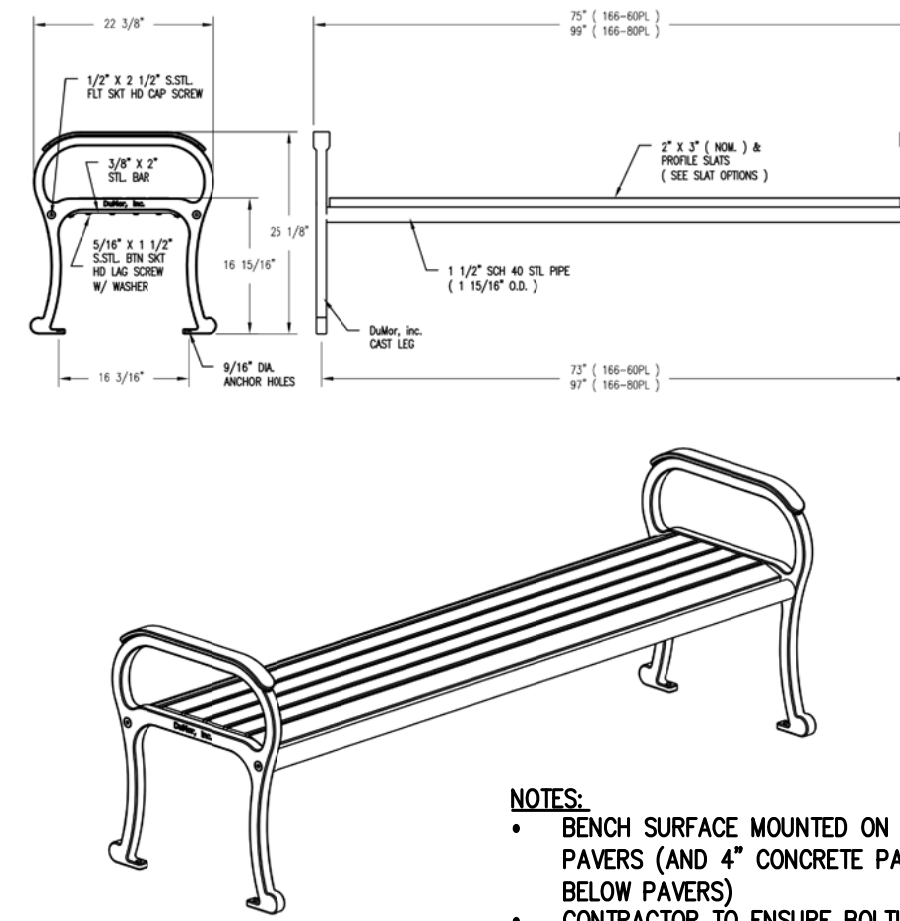
NOTES:

- UNDERGROUND HANDHOLE SHALL BE AN OPEN BOTTOM QUARTZITE ENCLOSURE WITH GASKETS AS MANUFACTURED BY HUBBELL OR APPROVED EQUAL WITH VERTICAL DESIGN LOAD RATING OF 22,500 LBS (TIER 22).
- ALL COVERS SHALL BE DESIGNED TO BOLT DOWN WITH GASKETS TO REDUCE INCOMING FLUIDS AND WITH A PERMANENTLY MARKED LOGO "ELECTRIC" AS MANUFACTURED BY HUBBELL OR APPROVED EQUAL WITH VERTICAL DESIGN LOAD RATING OF 22,500 LBS (TIER 22).



**DECORATIVE BENCH**

ALL COMPONENTS PROVIDED BY GENERAL RECREATION, INC. (973-403-6831) AND MANUFACTURED BY DUMOR, INC. OR APPROVED EQUAL



**DECORATIVE BACKLESS BENCH**

ALL COMPONENTS PROVIDED BY GENERAL RECREATION, INC. (973-403-6831) AND MANUFACTURED BY DUMOR, INC. OR APPROVED EQUAL

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JAY B. CORNELL P.E., P.P. <small>NO. PE LIC. NO. 3764</small>	MICHAEL J. MCCLELLAND P.E., P.P. <small>NO. PE LIC. NO. 3764</small>	GREGORY R. VALES P.E., P.P. <small>NO. PE LIC. NO. 4264</small>		
<b>GREGORY R. VALES P.E., P.P.</b> 			SCALE	DESIGNED BY
			AS SHOWN	DGP
			DESIGNED BY	SEL
			DATE	SHEET
			JUNE 2020	4 OF 4
			NEW JERSEY PROFESSIONAL ENGINEER	N.J. LIC. 34458

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