

GENERAL NOTES:

1. DRILLED PIERS HAVE BEEN DESIGNED IN ACCORDANCE TO THE 2015 INTERNATIONAL BUILDING CODE, ASCE7-10 AND ACI BUILDING CODE 318-14.
2. DESIGN WIND PRESSURE ARE BASED ON A $V_{BASIC} = 110$ MPH WIND SPEED (85 MPH BASIC WIND SPEED, V_{ASD}) AND PER AASHTO LTS6 2013.
3. DRILLED PIER DESIGNED BASED ON THE REACTIONS (SERVICES) PROVIDED BY MSM MAKERS. LIGHT POLES ARE DESIGNED FOR:

| | | |
|----------|------------|------------|
| 50' POLE | MOMENT | =33.8 K-FT |
| | HORIZONTAL | =0.8675 K |
| | AXIAL | =1.4331 K |

4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
5. DRILLED PIERS DESIGNS ARE BASED ON ASSUMED VALUES FROM THE GEOTECHNICAL ENGINEERING REPORT BY GEOMAT INC. DATED 11-30-2023 PROJECT NO: 2324570 SOIL CLASSIFICATION. ASSUMED DESIGN VALUES FROM IBC 2015 ARE AS FOLLOWS:

ALLOWABLE END BEARING PRESSURE2,000 PSF
ASSUMED INTERNAL ANGLE OF FRICTION.....32 DEG
ASSUME LATERAL PRESSURE150 PSF/FT

6. CONTRACTOR SHOULD ENGAGE WITH THE GEOTECHNICAL-ENGINEER-OF-RECORD (GER) IN THE REVIEW OF THIS FOUNDATION IN ORDER TO PROVIDE ANY ADDITIONAL GEOTECHNICAL RECOMMENDATIONS. OBSERVATIONS DURING PIER DRILLING SHOULD INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE FOLLOWING ITEMS:

- VERIFICATION OF PROPER BEARING STRATA AND CONSISTENCY OF SUBSURFACE STRATIFICATION WITH REGARD TO BORING LOGS.
- PROPER HANDLING OF ANY OBSERVED WATER SEEPAGE AND SLOUGHING OF SUBSURFACE MATERIALS,
- NO MORE THAN 2 INCHES OF STANDING WATER SHOULD BE PERMITTED IN THE BOTTOM OF PIER HOLES.
- BASED ON AVAILABLE INFORMATION FROM THE GEOTECHNICAL REPORT, HYDROSTATIC GROUNDWATER LEVELS ARE AT OR NEAR THE PROPOSED STRUCTURES AND RECOMMENDED CORRECTIONS FOR THE NEW TRACK AND SYNTHETIC TURF FIELDS.

INFORMATION REGARDING GROUNDWATER MEASUREMENTS CAN BE FOUND ON THE BORING LOGS IN THE RESULTS OF THE GEOTECHNICAL REPORT MENTIONED HERE IN.

7. CONTRACTOR SHALL MAINTAIN HOLE SIDEWALLS STABILITY DURING DRILLING. REMOVE LOOSE MATERIAL AND KEEP EXCAVATION FREE OF WATER. PROVIDE ANY MEANS TO MAINTAIN THE DRILLED HOLE DRY. REFER TO ACI 336.3R-93 CHAPTER 4 FOR CONSTRUCTION METHODS. PLACE CONCRETE AS SOON AS PRACTICAL AFTER COMPLETION OF EXCAVATION AND THE CONDITIONS HAVE BEEN ACCEPTED BY OWNER'S REPRESENTATIVE-GEOTECHNICAL ENGINEER.



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CLIENT:

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HALTOM CITY, TX 76117

PROJECT:

HARTMAN SOCCER FIELDS
W. AZTEC BOULEVARD
AZTEC, NM 87410

PRODUCT:

LIGHT POLES PIERS

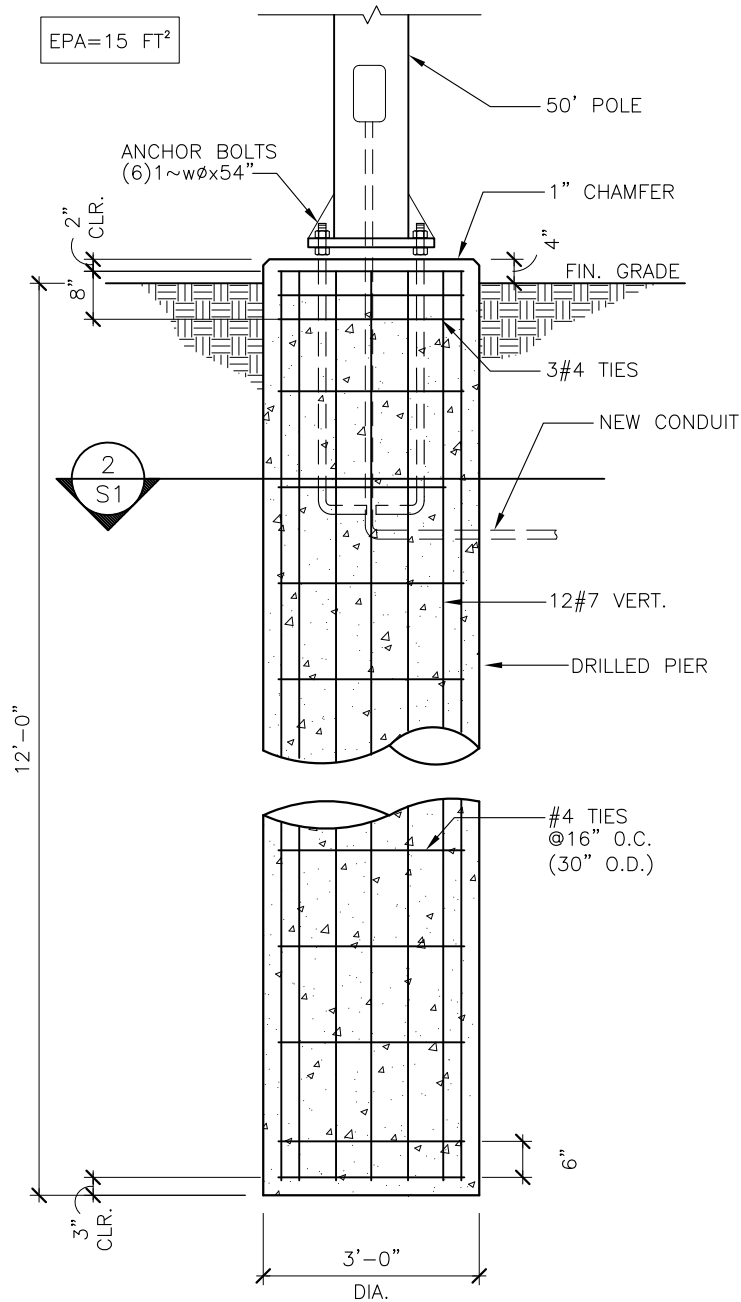
PROJECT NO.
24-109

DATE:
02-13-2024

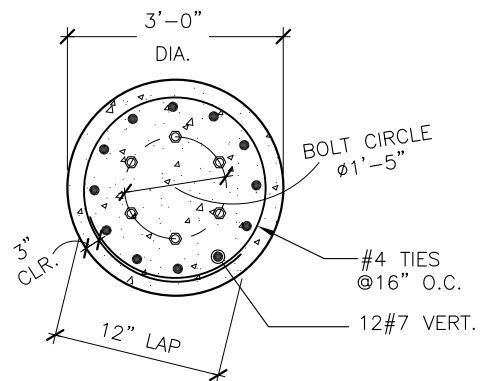
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VNR

SHEET NO.

50



1 POLE PIER
SCALE: 3/8"=1'-0"



2 SECTION
SCALE: 3/8"=1'-0"



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STRUCTURAL ENGINEERS

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