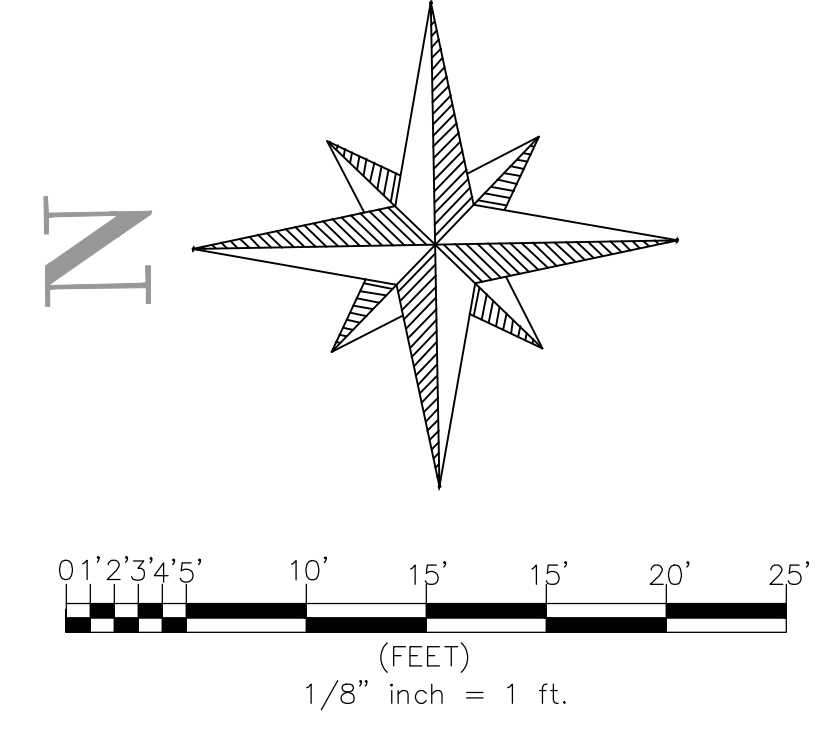


GRADE BEAM NOTES
 1. REBAR #5 (TOP & BOTTOM)
 2. STIRRUP REBAR #3 SPACED 18" O.C.



REFER TO REINFORCEMENT DETAILS ON SHEET S2.00

PROGRESS SET FOR REVIEW ONLY
 ISSUED 08/18/23

THESE DOCUMENTS ARE FOR DESIGN REVIEW AND NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

JUAN A. MURILLO
 TEXAS PE #94313

DESCRIPTION	LENGTH ft	DIAM. in	T.P.E. ft	B.P.E. ft
FOR ALL INTERSECTION AXES	6	12	763.20	757.20

2	AUGER EXCAVATED CAST-IN-PLACE REINFORCED CONCRETE PIERS SCHEDULE
S1.00	SCALE: NTS

1 FOUNDATION AND GRADE BEAM PLAN
 S1.00 SCALE: 1/8" = 1' - 0"

CONCRETE NOTES


GENERAL SPECIFICATIONS-

- CONCRETE SHALL BE TYPE 1, AND HAVE 5-SACKS OF CEMENT (90 POUNDS PER SACK) WITH A TWENTY EIGHT DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
- SEE "CONCRETE TEMPERATURE SPECIFICATION" FOR A HOT WEATHER SPECIFICATION AND THE USE OF FLY ASH.
- CONCRETE SHALL HAVE BETWEEN 4½" TO 5% AIR-ENTRAINMENT BY VOLUME.
- REINFORCING STEEL SHALL BE 60 KSI MATERIAL.
- REINFORCING STEEL SHALL BE CLEAN AND FREE OF RUST AND DEBRIS.
- REINFORCING STEEL SHALL BE PLACED AS FOLLOWS:
 - REINFORCING STEEL LAP SPLICES SHALL BE AS FOLLOWS:
 FOR ⅜" (#3'S) TO ¾" (#5'S) DIAMETER=(0.0005FY*DB)(ACI 318-14.CHAPTER 25.5.5.1)
 LAP SPLICES IN THE ADJACENT BARS (OF GRADE BEAMS) THAT ARE LAID IN A ROW SHALL NOT OCCUR WITHIN FOUR FEET OF EACH OTHER AS MEASURED ALONG THE REINFORCING STEEL.
 - REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CONCRETE COVERAGE:
 A. 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
 B. 2" FOR CONCRETE NOT EXPOSED TO WEATHER.
 C. 1 ½" FOR CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH.
 - REINFORCING HOOKS' RADIUS AND LEGS IS AS FOLLOWS (STANDARD 135):
 FOR ⅜" (#3'S) TO ⅝" (#5'S) RADIUS=6DB, LEG=12DB
 FOR ¾" (#6'S) RADIUS= (6DB), LEG=(6DB) (ACI 318-14, TABLE 25.3.2)
 - DEVELOPMENT EMBEDMENT OF HOOKS IS AS FOLLOWS:
 FOR ⅜" (#3'S) TO ¾" (#6'S)= 16DB
 - LAP ALL BAR STEEL 40 DIAMETERS.
 - BEAM STEEL SHALL BE SUPPORTED AND TIED EVERY 4'-0".

FOUNDATION NOTES

- ALL FILL SHALL BE SPREAD IN LAYERS NOT EXCEEDING SIX (6) INCHES, WATERED AS NECESSARY, AND COMPACTED, MOISTURE CONTENT AT THE TIME OF COMPACTION SHALL BE WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT. COMPACTION OF THE FILL SHALL BE ACCOMPLISHED TO OBTAIN A DENSITY OF NOT LESS THAN 98 PERCENT OF MAXIMUM DRY DENSITY.
- MATERIALS CONSIDERED SATISFACTORY AS SELECTED FILL OR TRENCH BACKFILL MATERIALS ARE CLASSIFIED AS SM, SP, SW, SP-SM, SC, SW-SM, GM, GP, GW, GP-GM AND GW-GM IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION.
- GENERAL FOUNDATION INFORMATION WAS BASED ON THE GEOTECHNICAL EXPLORATION AND FOUNDATION REPORT PREPARED BY ALPHA TESTING DATED AUGUST 11, 2022
- BASED ON ALPHA'S REPORT THE GRADE BEAM SHALL BE POURED ON A 6" VOID THROUGH THE USE OF A CARDBOARD BOTTOM AND FLOOR SLAB SHALL BE ON LIME STABILIZED BASE WITH A GRANULAR FILL AND VAPOR BARRIER TO MINIMIZE EXPANSIVE VERTICAL MOVEMENTS.

NO	DESCRIPTION	DATE
LOG OF SUBMISSION /REVISION		



Engineering & Construction Integration Services, Inc.
 www.ecis-engineering.com
 TBPE Firm Registration No. F-20414
 1303 W. Walnut Hill Lane, Suite 285
 Irving, Texas 75038
 214-591-3100

SHEET OVERALL FOUNDATION PLAN

OWNER AMMAR SHOMALI	ENGINEER ADDRESS 1303 W. WALNUT HILL LN. SUITE 285, IRVING, TEXAS 75038	JUAN A. MURILLO 214-591-3100 jmurillo@ecis-engineering.com
ADDRESS 1245 LONGHORN ROAD CITY OF FORT WORTH TEXAS 76179	PHONE NUMBER 214-591-3100	MAIL ADDRESS jmurillo@ecis-engineering.com

PROJECT: VICTORY HUB GAS STATION

DESIGNED GRETA TEZANOS	CHECKED JOSE G. MURILLO
DRAWN KEVIN BERRIOS	APPROVED JUAN A. MURILLO

SUB	LOT	BLK	SUBMISSION DATE	08/18/2023
LONGHORN PLAZA ADDITION	01	A	FILE NUMBER	2224.1245
				SHEET NO S1.00