

TOPOGRAPHIC SURVEY

DRAWING TITLE:
 TOPOGRAPHIC SURVEY AT
 LESLIE PARK GOLF COURSE
 2120 TRAVER ROAD
 ANN ARBOR, MI 48105

AMERICAN LANDMARK SURVEY, P.L.L.C.
 100 W. WASHINGTON
 ANN ARBOR, MI 48103
 TEL: (734) 677-7000

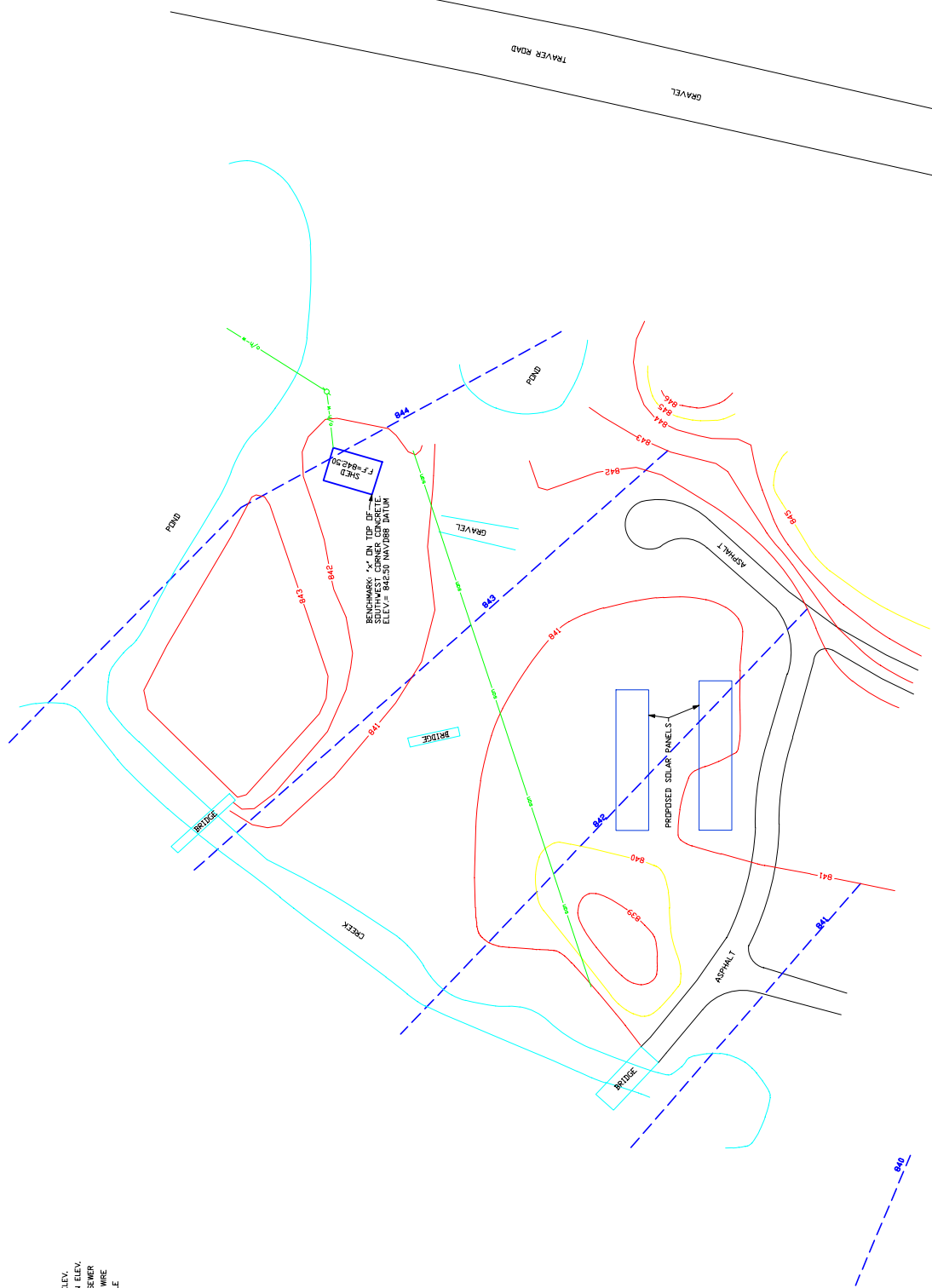
DRAWN BY: GFD
SCALE: 1" = 20'
JOB# 23118

DATE: MAY 4, 2023
SHEET NO.: 1 of 1
AMERICAN LANDMARK SURVEY, P.L.L.C.
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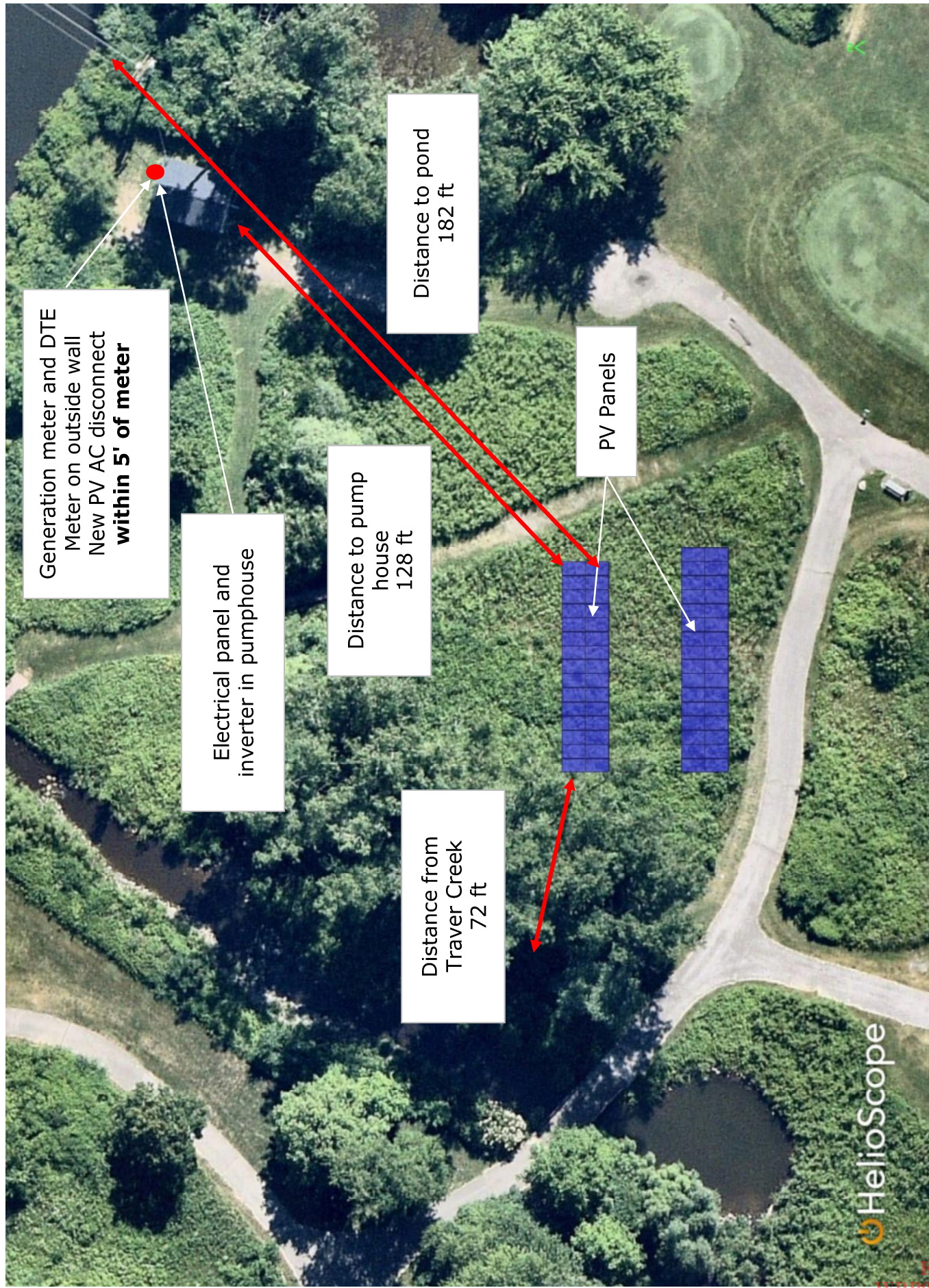


Gerald F. DeShoner
 Professional Engineer
 No. 45188

SCALE: 1" = 20'
LEGEND
 --- CONTOUR ELEV.
 --- FLOODPLAIN ELEV.
 --- SANITARY SEWER
 --- OVERHEAD WIRE
 ○ UTILITY POLE



EGLE
WRP038044 v1.0
Approved
Issued On: 07/06/2023
Expires On: 07/06/2028



Generation meter and DTE Meter on outside wall
New PV AC disconnect
within 5' of meter

Electrical panel and inverter in pumphouse

Distance to pump house
128 ft

Distance from Traver Creek
72 ft

Distance to pond
182 ft

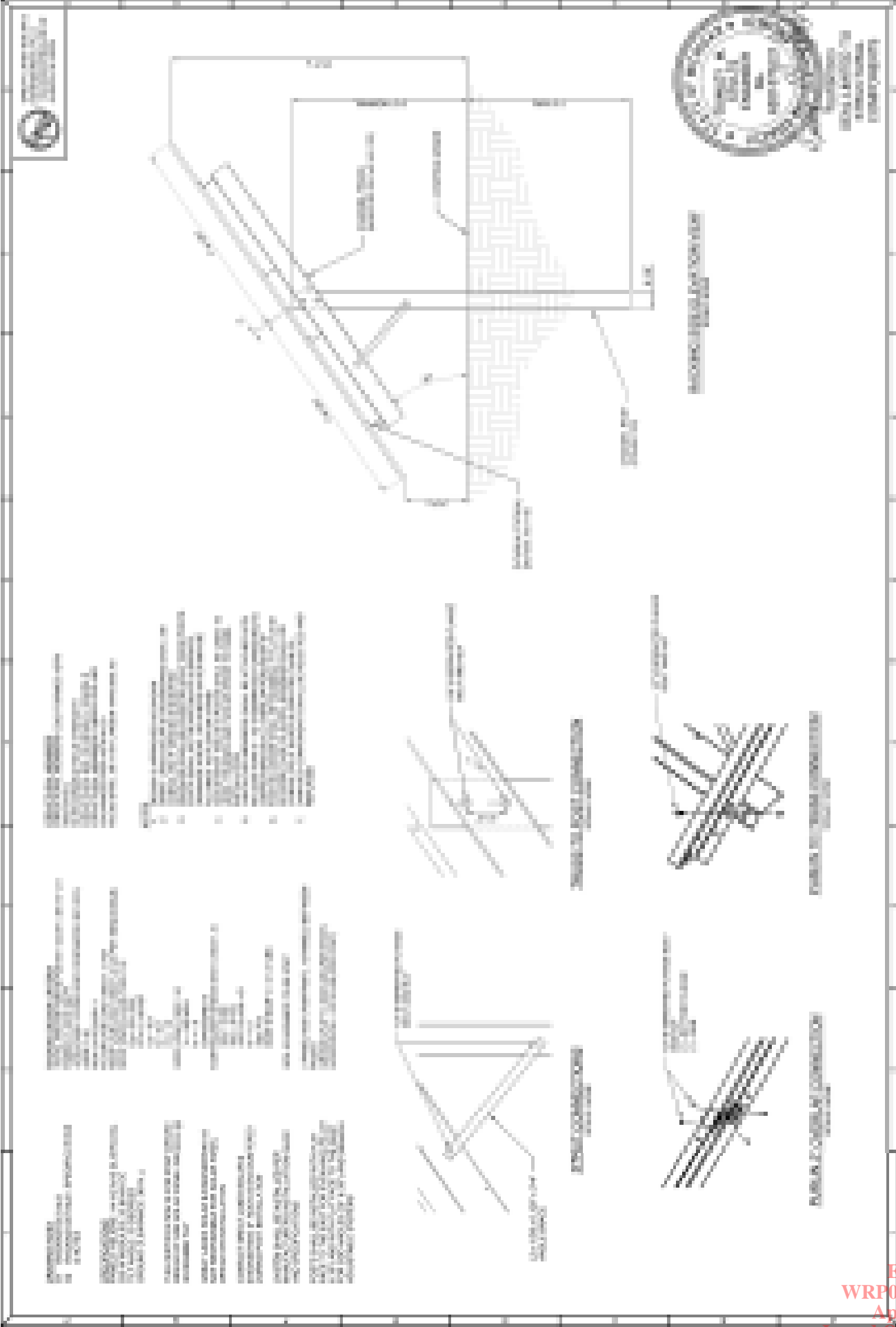
PV Panels

HelioScope



EGE
WRP035-4-1.0
Approved
Issued On:07/06/2023
Expires On:07/06/2028

Mark Dorogi
(734)846-8911



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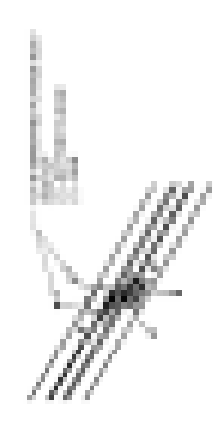
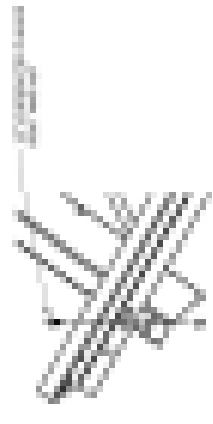
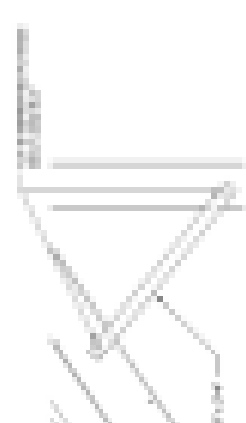
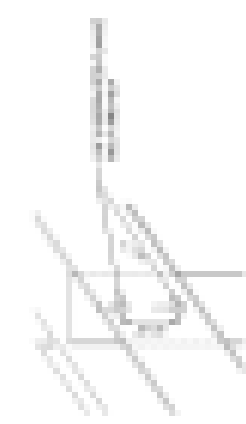
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[Handwritten Signature]
5/12/23

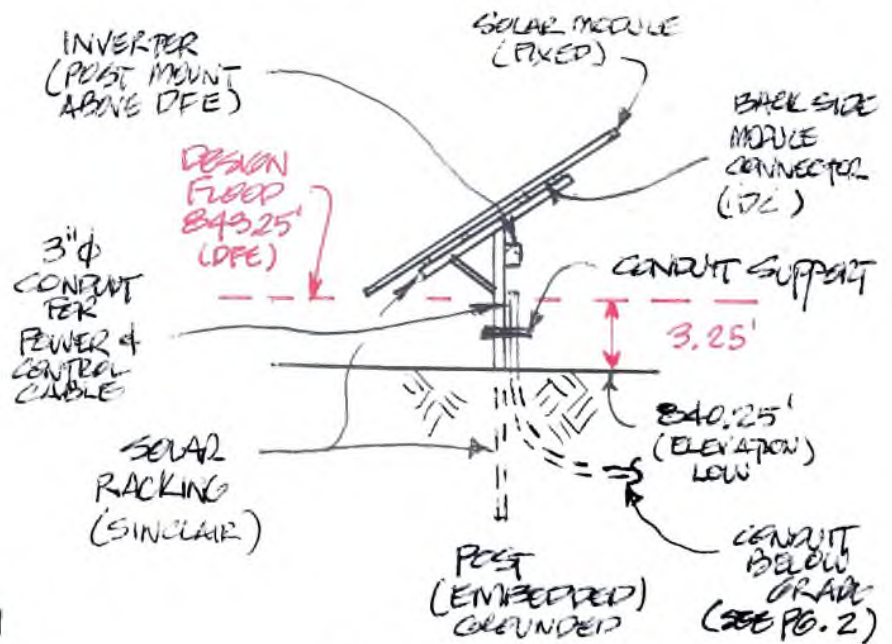
LESLIE GOLF COURSE SOLAR
GROUND MOUNT SOLAR NEAR N^o PUMPHOUSE

ASSUME "BASE FLOOD" IS THE 0.2 PERCENT ANNUAL CHANCE FLOOD. FOR THE ARRAY LOCATION, THIS WAS DETERMINED BY TRAVER CREEK PLAT 5TP TO BE 842.5 FEET. THUS, THE "DESIGN FLOOD ELEVATION" FOR INFRASTRUCTURE IN FLOOD PLAIN IS 843.5 FEET WITH MEAN VELOCITY OF 7.4 FEET PER SECOND. AT THE EXISTING PUMPHOUSE, THE BASE FLOOD ELEVATION IS 843.75 - SEE PG. 2.

PER AMERICAN LANDMARK SURVEY TOPOGRAPHICAL MAP FOR SOLAR PROJECT DATED MAY 4 2023, THE EXISTING GROUND ELEVATION (LOWEST) IS 840.25'. THE ATTACHED SKETCH BELOW DEPICTS THE PLANNED SOLAR ARRAY CONFIGURATION RELATIVE TO FLOODING:

DESIGN/CONSTRUCTION CONSIDERATIONS

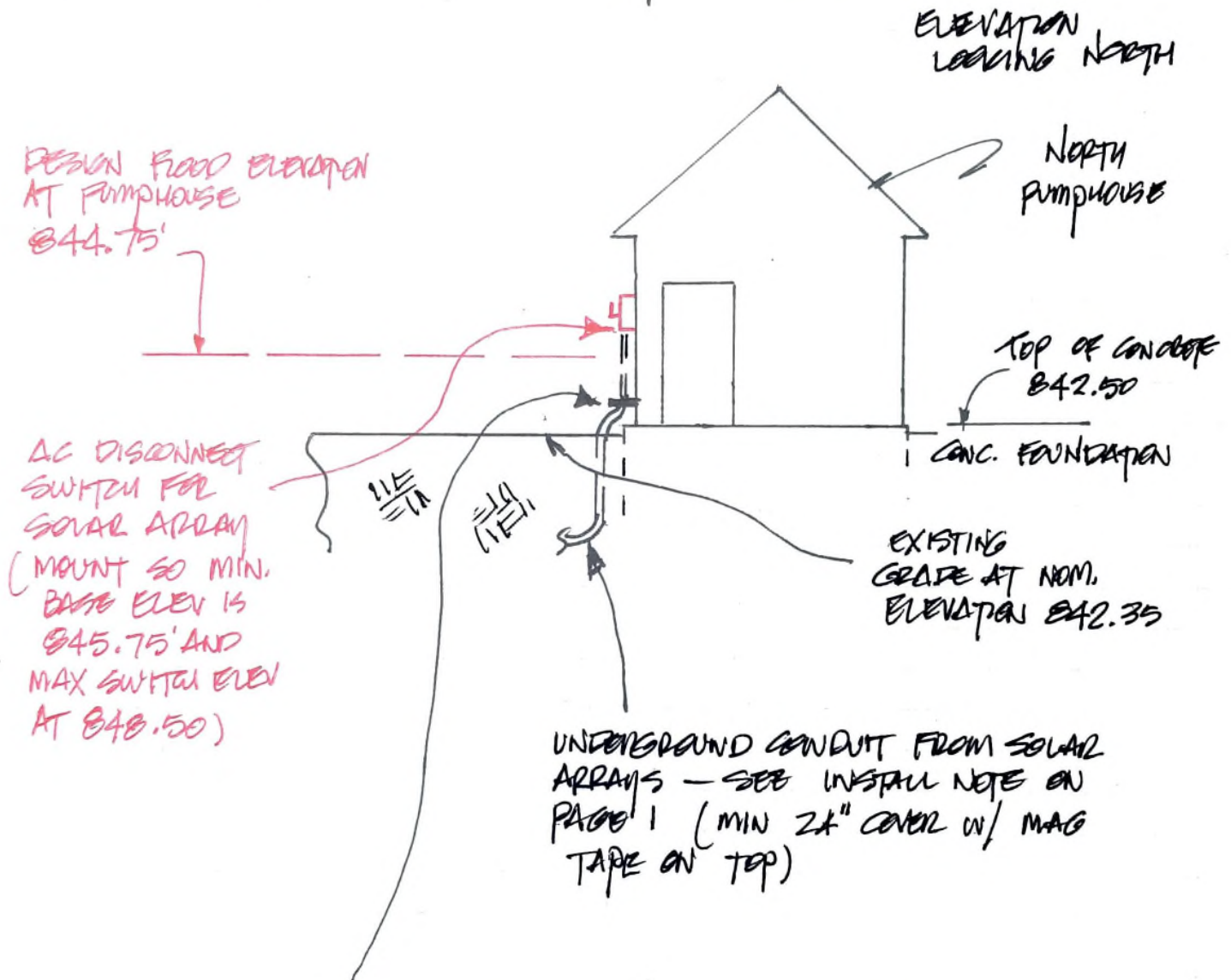
1. SOLAR PROJECT CONSTRUCT TO MEET 2017 MICHIGAN ELECTRICAL CODE AND ASCE 24-2014.
2. INVERTERS, MODULE DC CONNECTORS AND ALL OTHER ELECTRICAL EQUIP. TO BE INSTALLED AT LEAST 12" ABOVE DFE.
3. ALL ELECTRICAL WIRING FROM ARRAYS TO PUMPHOUSE TO BE INSTALLED BELOW GRADE EXCEPT RISERS. U/G PORTIONS TO BE INSTALLED BY DIRECTIONAL DRILLING WITH MIN 2' COVER OR BACKHOLE WITH FILL RECOMPACTION.
4. CONDUIT RISERS ON RACKING POSTS TO BE ATTACHED WITH (2) METALLIC CONDUIT STRAPS AT 3'-0" MAX SPACINGS FOR FLOOD LOADS. CAP RISER AFTER CABLE WORK IS COMPLETE.



ELEVATION LOOKING WEST (TYPICAL)

RACKING POSTS TO BE DESIGNED FOR DEAD, WIND, AND LATERAL FLOOD LOADS WITH 7.4 FPS VELOCITY. BY GINCLAIR.

LESLIE GOLF COURSE SOLAR
GROUND MOUNT SOLAR NEAR N^o PUMPHOUSE



ATTACH CONDUIT TO SWITCH W/ MOUNTING BUSHING. INSTALL MIN (1) CONDUIT CLAMP AFFIXING TO EXISTING PUMPHOUSE TO WITHSTAND FLOOD FORCES.

EXISTING ELECTRICAL EQUIPMENT INSIDE PUMPHOUSE LIKELY BELOW DFE - CITY TO RETROFIT.