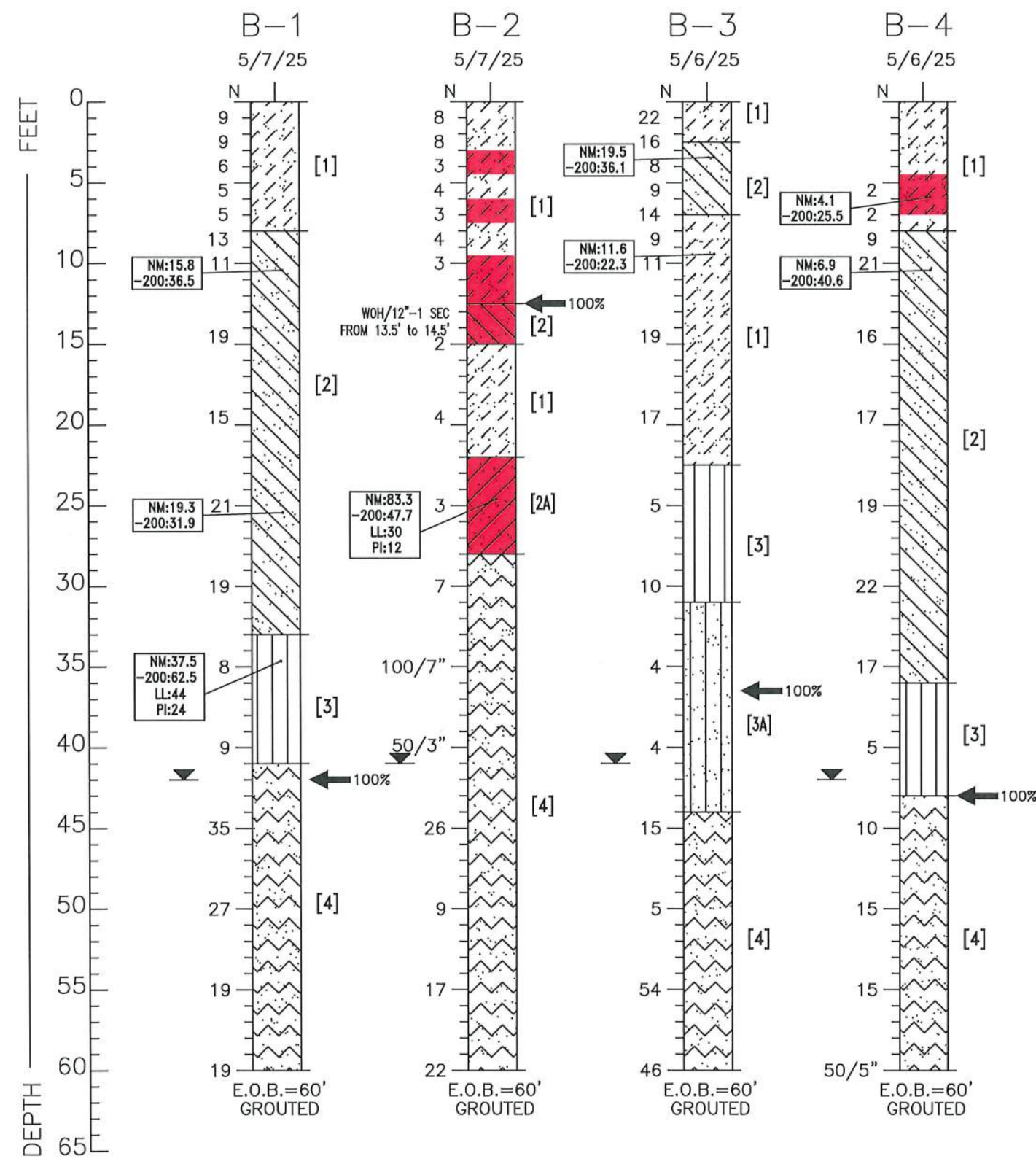


TEST BORING LOCATION PLANS (Image Source: Google Earth Pro)



SOIL BORING PROFILES



WHILE THE BORINGS ARE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THEIR RESPECTIVE LOCATIONS AND FOR THEIR RESPECTIVE VERTICAL REACHES, LOCAL VARIATIONS CHARACTERISTIC OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOGS AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE DELINEATION BETWEEN SOIL TYPES SHOWN ON THE LOGS IS APPROXIMATE AND THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATIONS ON THE PARTICULAR DATE DRILLED.

GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SURFACES ENCOUNTERED ON THE DATES SHOWN. FLUCTUATIONS IN WATER TABLE LEVELS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR. ABSENCE OF WATER SURFACE DATA ON CERTAIN BORINGS IMPLIES THAT NO GROUNDWATER DATA IS AVAILABLE, BUT DOES NOT NECESSARILY MEAN THAT GROUNDWATER WILL NOT BE ENCOUNTERED AT THESE LOCATIONS OR WITHIN THE VERTICAL REACHES OF THESE BORINGS IN THE FUTURE.

SOIL LEGEND

- [1] BROWN TO ORANGISH BROWN SLIGHTLY CLAYEY, SILTY MEDIUM TO FINE SAND (SM-SC; A-2-4)
- [2] BROWN TO ORANGISH BROWN CLAYEY TO VERY CLAYEY MEDIUM TO FINE SAND (SC; A-2-6 TO A-6)
- [2A] ORANGISH BROWN VERY CLAYEY FINE SAND TO SANDY LEAN CLAY (SC-CL; A-6)
- [3] BROWN, TAN & GRAY MOTTLED WITH BLACK SLIGHTLY SANDY LEAN TO FAT CLAY (CL TO CH; A-7)
- [3A] BROWN, TAN & GRAY SLIGHTLY SANDY LEAN TO FAT CLAY WITH LAYER OF TAN LIMESILT & WEATHERED LIMESTONE (CL TO CH; A-7)
- [4] TAN WEATHERED LIMESTONE WITH LAYERS OF LIMESILT

LEGEND

- B STANDARD PENETRATION TEST (SPT) BORING LOCATION
- EOB END OF BORING
- VERY LOOSE TO VERY SOFT ZONES (N<4)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (ASTM D-1586)
- GROUNDWATER DEPTH ESTIMATED ON DATE DRILLED
- 50/3" 50 BLOWS FOR 3 INCHES PENETRATION INTO SOIL
- WOH SAMPLER ADVANCED BY WEIGHT OF HAMMER AND RODS ONLY
- COMPLETE LOSS OF DRILLING FLUID CIRCULATION
- NM NATURAL MOISTURE CONTENT IN PERCENT (ASTM D-2216)
- 200 PERCENT PASSING NO. 200 SIEVE SIZE (PERCENT FINES)(ASTM D-1140)
- LL LIQUID LIMIT (ASTM D-4318)
- PI PLASTICITY INDEX (ASTM D-4318)
- SP-SM,SM,SC UNIFIED SOIL CLASSIFICATION SYSTEM
- A-3,A-2-4 AASHTO SOIL CLASSIFICATION SYSTEM
- DRILLERS: SMH, DK
- DRILL RIG: CME 55; AUTO-HAMMER

ENGINEERING CLASSIFICATION

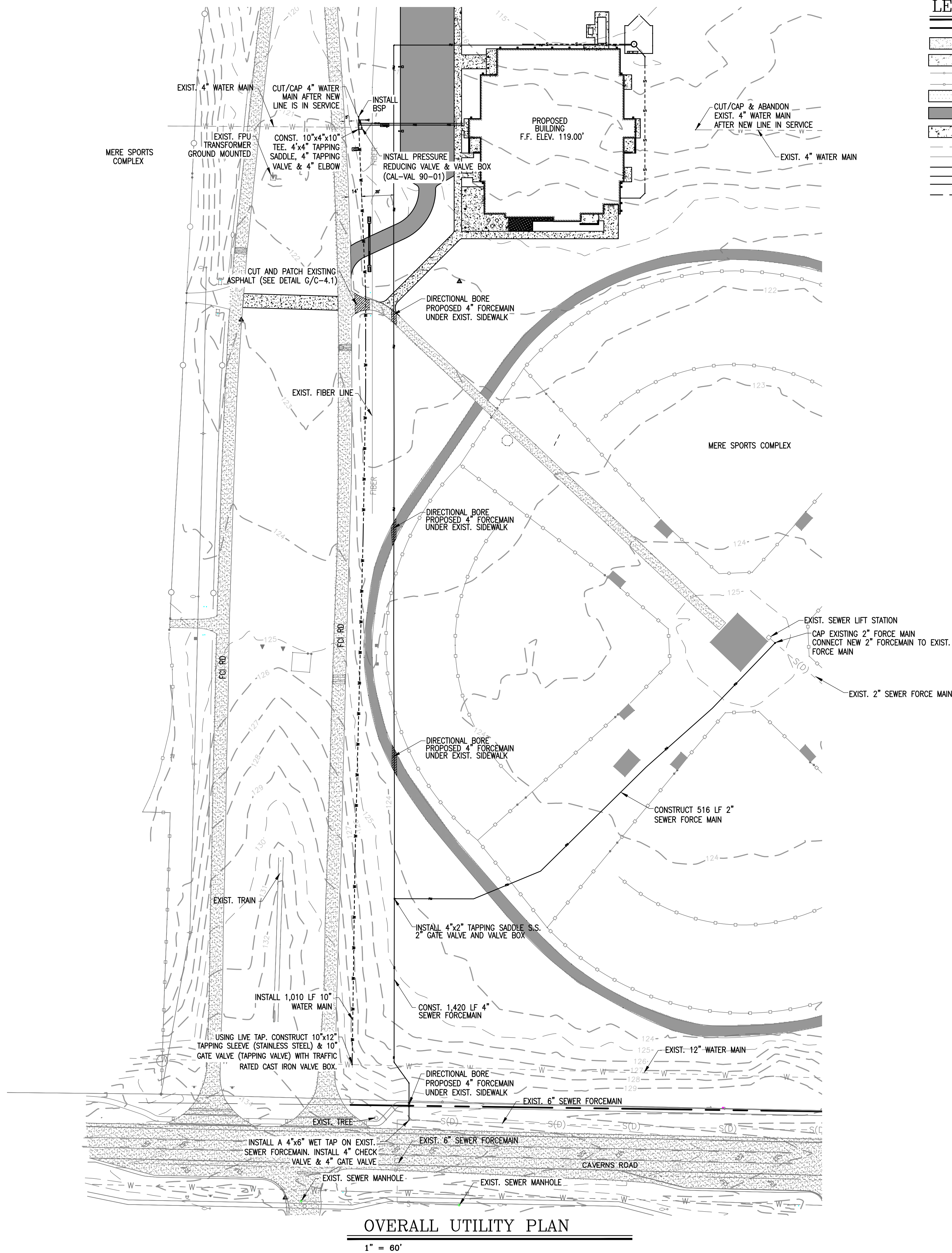
I COHESIONLESS SOILS		
DESCRIPTION	BLOW COUNT "N"	
VERY LOOSE	0 TO 4	
LOOSE	4 TO 10	
MEDIUM DENSE	10 TO 30	
DENSE	30 TO 50	
VERY DENSE	>50	

II COHESIVE SOILS		
DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH, QU, TSF	BLOW COUNT "N"
VERY SOFT	<1/4	0 TO 2
SOFT	1/4 TO 1/2	2 TO 4
MEDIUM STIFF	1/2 TO 1	4 TO 8
STIFF	1 TO 2	8 TO 15
VERY STIFF	2 TO 4	15 TO 30
HARD	>4	>30

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Tallahassee, Florida 32303
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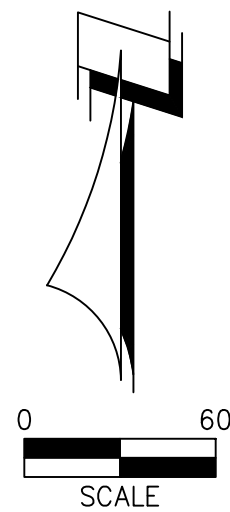
SHEET TITLE:
SUBSURFACE SOIL EXPLORATION
MARIANNA MERE GYM,
MARIANNA, JACKSON COUNTY, FLORIDA

DRAWN BY: ART
CHECKED BY: JMC
APPROVED BY: J.M. CLARK, P.E.
DATE: 5/16/25
FIGURE: 2



LEGEND

	BOUNDARY
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING CHAINLINK FENCE
	EXISTING FIELD FENCE
	EXISTING ASPHALT MILLINGS
	PROPOSED ASPHALT PAVEMENT
	PROPOSED CONCRETE
	EXISTING CONTOURS
	EXISTING WATER MAIN
	PROPOSED WATER SERVICE
	PROPOSED SEWER FORCE MAIN
	PROPOSED FIRE LINE
	PROPOSED GRAVITY SEWER SERVICE



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SHEET TITLE: OVERALL UTILITY PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR THE CITY OF MARIANNA
AT MARIANNA EDUCATION REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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DATE: SEPT. 4, 2025
DRAWN BY: M.M.F.
CHECKED BY: B.H.M.

SHEET No.

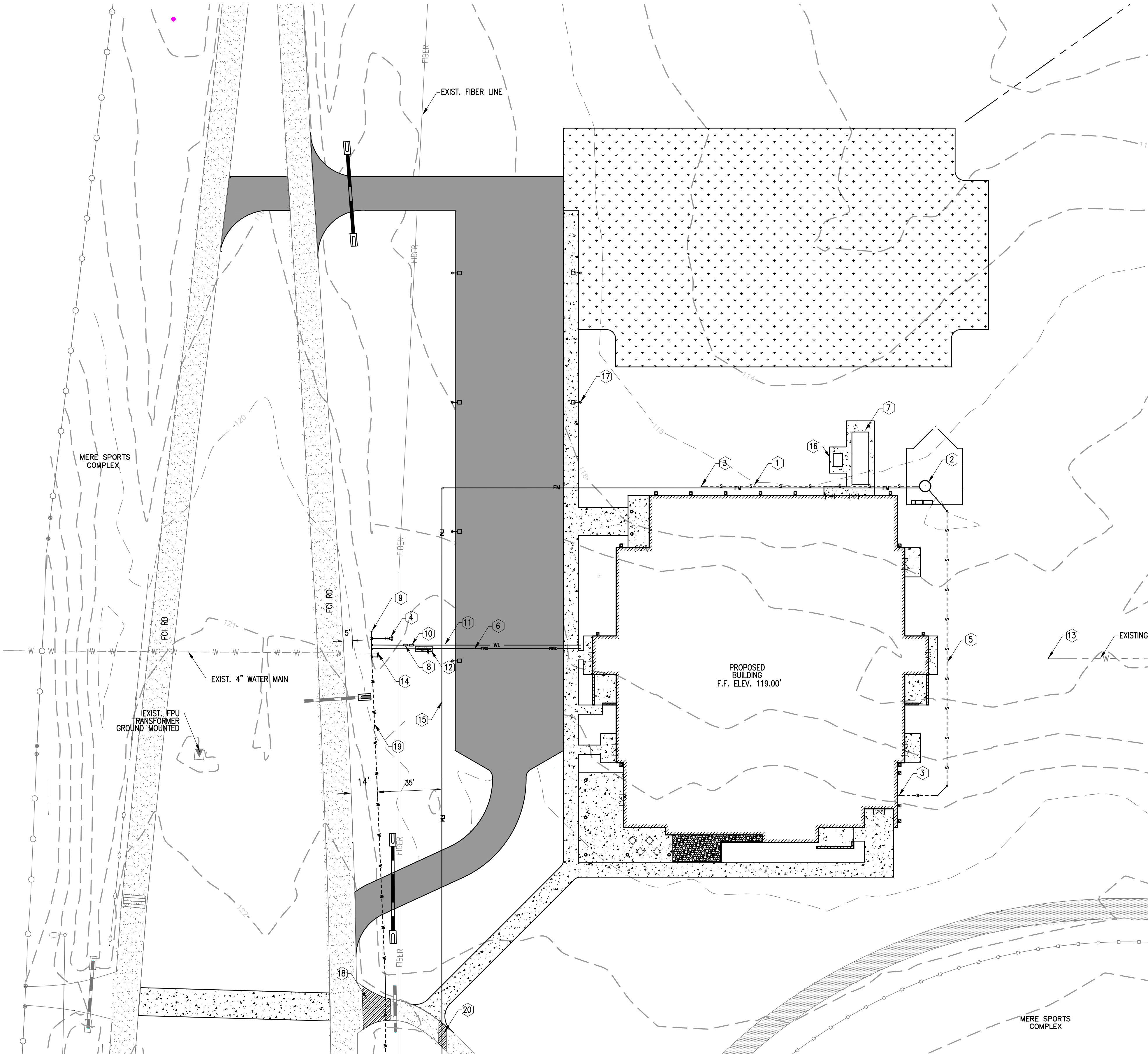
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DHM
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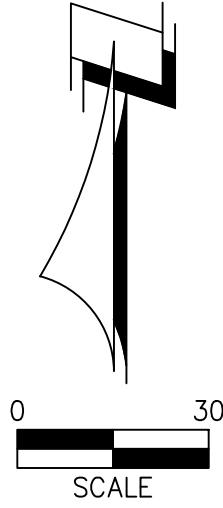
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MARIANNA OFFICE
4428 Lafayette Street
Marianna, FL 32446
Phone: (850) 482-3045
www.melvineng.com

ADDENDUM #1



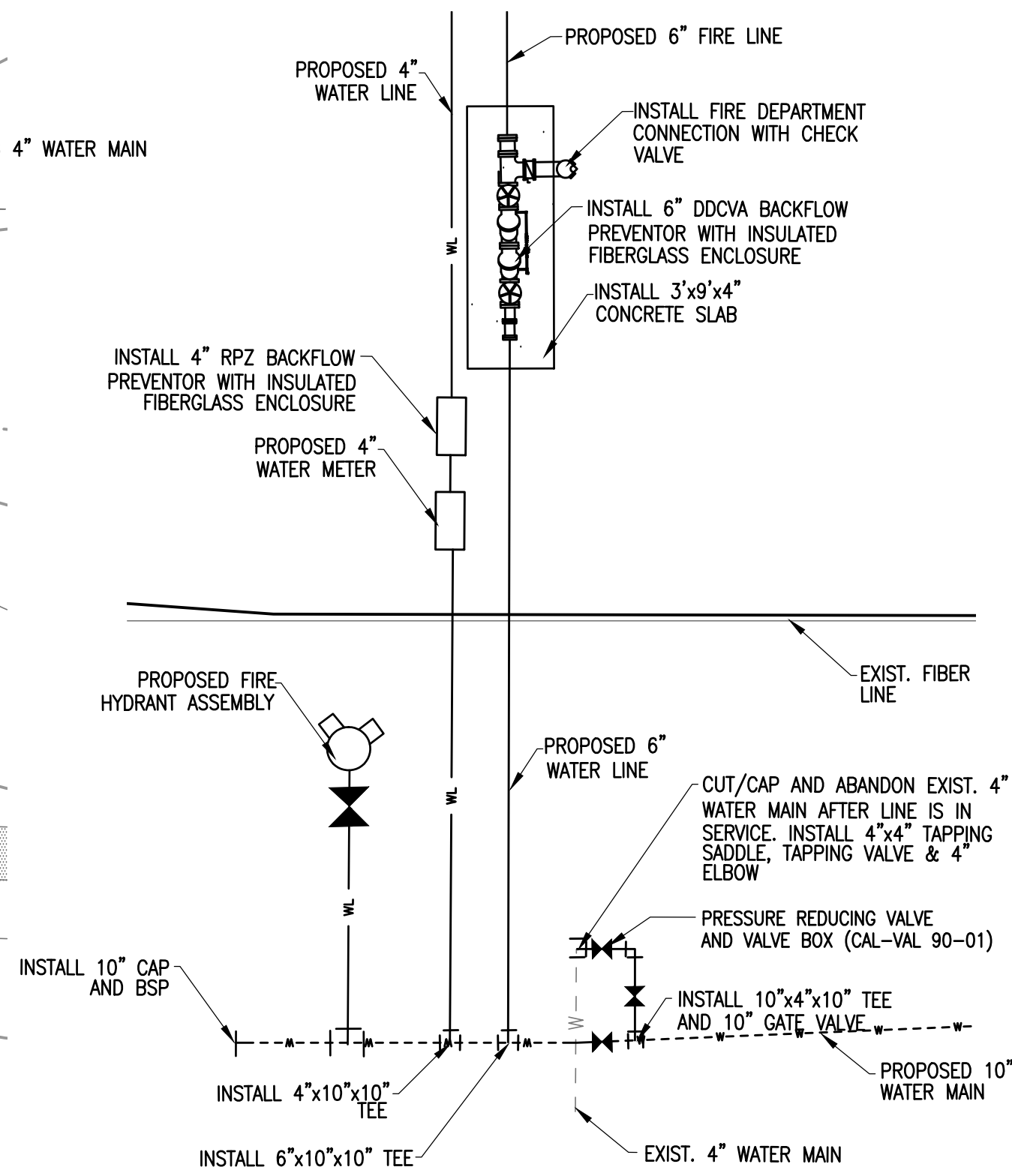
LEGEND

	BOUNDARY
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING CHAINLINK FENCE
	EXISTING FIELD FENCE
	EXISTING ASPHALT MILLINGS
	PROPOSED ASPHALT PAVEMENT
	PROPOSED CONCRETE
	EXISTING CONTOURS
	EXISTING WATER MAIN
	PROPOSED WATER SERVICE
	PROPOSED SEWER FORCE MAIN
	PROPOSED FIRE LINE
	PROPOSED GRAVITY SEWER SERVICE



UTILITY NOTES

1. INSTALL 116 LF 6" SEWER LATERAL @ 5.17% SLOPE (1% MIN. SLOPE)
2. CONSTRUCT 6" DUPLEX SEWER LIFTSTATION W/(2) 10 HP PUMPS (CONNECTED TO GENERATOR)
TOP EL. 119.00'
INV. EL. (6" SEWER PIPE) 109.00'
BOT. EL. 103.00'
3. INSTALL 4" SEWER CLEAN-OUT (SEE DETAIL F/C-4.1)
INV. ELEV. 115.00'
4. CONSTRUCT FIRE HYDRANT ASSEMBLY
5. INSTALL 190 LF 6" SEWER LATERAL @ 3.15% SLOPE (1% MIN. SLOPE)
6. INSTALL 6" FIRE LINE (SEE PLUMBING PLAN FOR DETAILS)
7. PROPOSED NATURAL GAS GENERATOR (SEE ELECTRICAL PLAN FOR DETAILS)
8. INSTALL 4" WATER METER
9. INSTALL 10" WATER MAIN AND TERMINATE 10" WATER LINE WITH CAP & INSTALL BSP
10. INSTALL 4" RPZ BACKFLOW PREVENTOR WITH INSULATED FIBERGLASS ENCLOSURE
11. INSTALL 4" POTABLE WATER SERVICE
12. INSTALL 6" DDCA BACKFLOW PREVENTOR ON A 3'x9'x4" THICK CONCRETE SLAB WITH INSULATED FIBERGLASS ENCLOSURE.
13. CUT, CAP AND ABANDON EXISTING 4" WATER MAIN
14. CUT/CAP AND ABANDON EXISTING 4" WATER MAIN WHEN NEW LINE IS PLACED INTO SERVICE
INSTALL 10"x4"x10" TEE, 4"x4" TAPPING SADDLE, 4" TAPPING VALVE, 4" ELBOW AND PRESSURE REDUCING VALVE AND VALVE BOX (CAL-VAL 90-01)
CONST. 1,420 LF 4" SEWER FORCEMAIN
15. PROPOSED TRANSFORMER (SEE ELECTRICAL FOR DETAILS)
16. PROPOSED SITE LIGHTING (SEE DETAIL E/C-6)
17. PROPOSED 4" WATER LINE
18. CUT AND PATCH EXISTING ASPHALT (SEE DETAIL G/C-4.1)
19. CONST. 1,010 LF 10" WATER MAIN (DR 18 C900)
20. DIRECTIONAL DRILL 4" SEWER FORCE MAIN UNDERNEATH EXIST. ASPHALT ROAD



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UTILITY PLAN

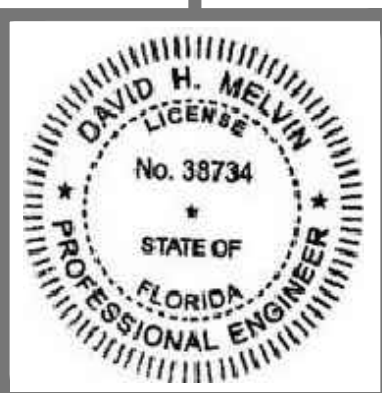
1" = 30'

METER/BACKFLOW DETAIL

A
C4.1

1" = 5'-0"

ADDENDUM #1



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C-4.1