



ADDENDUM No. 3

To the

PROJECT MANUAL FOR

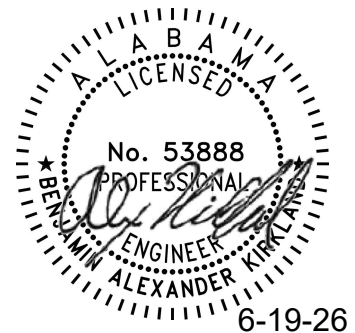
BERRY MOUNTAIN BOOSTER PUMP STATION REHABILITATION

**INSITE PROJECT NO. 22057.00
DWSRF NO. FS010055-02**

ONEONTA, ALABAMA

JUNE 2026

PREPARED BY:



InSite Engineering, LLC
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
PHONE: 205-733-9696
FAX: 205-733-9697

Copyright 2026

This page intentionally left blank.



ADDENDUM NO. 3

OWNER: Utilities Board of the City of Oneonta
PROJECT: Berry Mountain Booster Pump Station Rehabilitation
INSITE PROJECT No.: 22057.00
DWSRF PROJECT No.: FS010055-02

The Contractor shall incorporate the following changes into the Contract Documents and include the cost of all changes listed herein in his proposed contract prices. The Contractor must acknowledge receipt of this Addendum on Page 1 of the Bid Form. The above referenced Contract Documents are hereby amended as described below:

Changes to Specifications:

None

Changes to Drawings

A3.1 REPLACE PLANS IN THEIR ENTIRETY, SEE ATTACHED FOR FULL BID PLAN SET.

Other Clarifications:

None

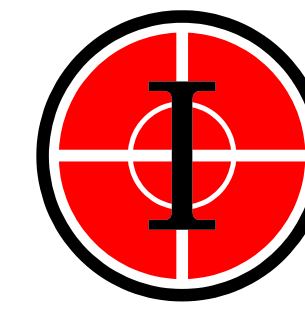
The above changes shall be incorporated into the Contract Documents for the above referenced project. The bidder must acknowledge receipt of this Addendum on Page 1 of the Bid Form.

Attachments: 22057.00 Berry Mountain Booster Pump Station Rehabilitation – Plan Set Dated:
6-1-26

END OF ADDENDUM NO. 3

BERRY MOUNTAIN BOOSTER PUMP STATION REHABILITATION

PREPARED BY:



INSITE
ENGINEERING

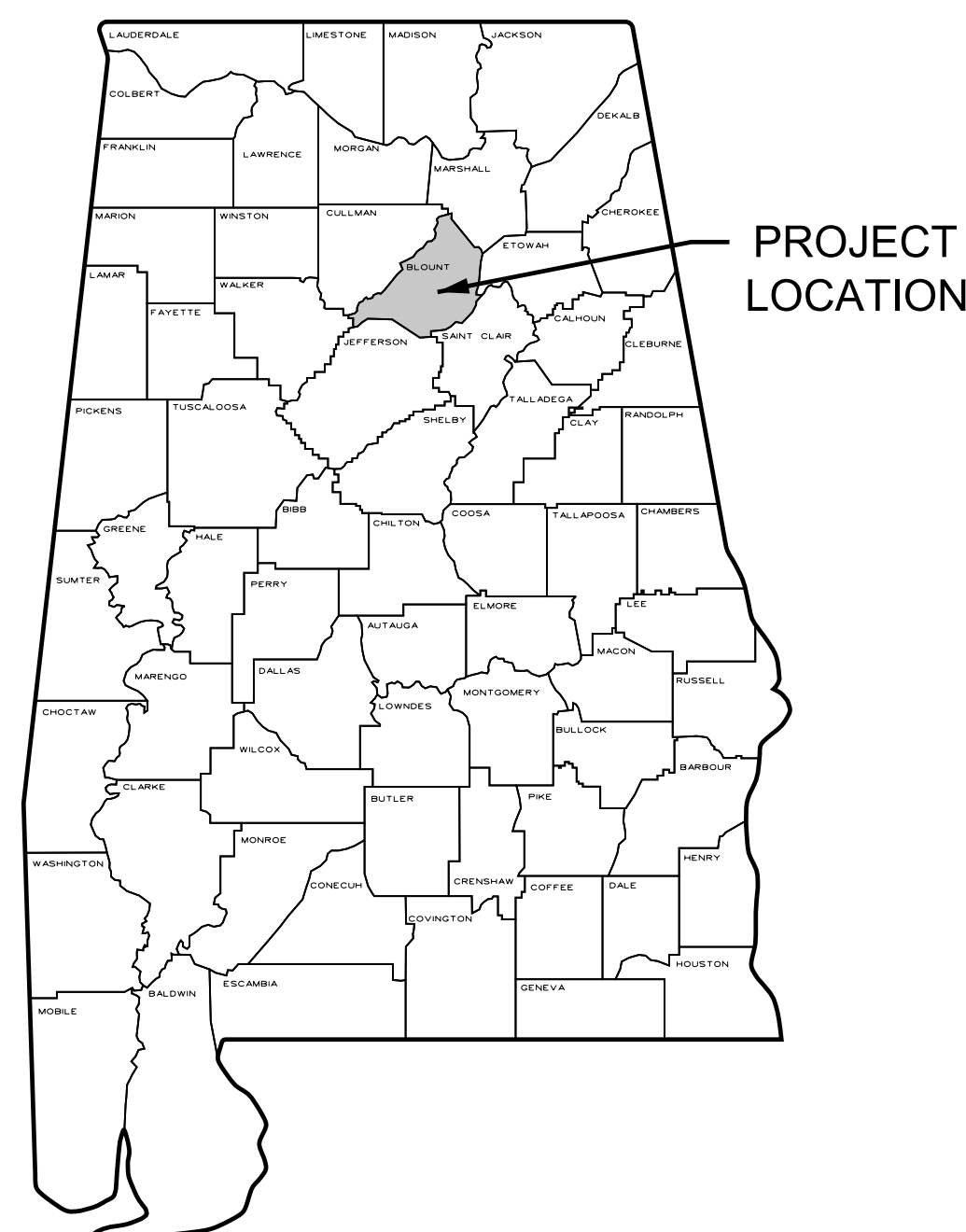
INSITE ENGINEERING, LLC.

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

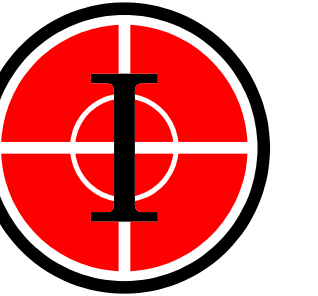


LOCATION MAP
SCALE: NONE

<u>DRAWING No.</u>	<u>SHEET No.</u>	<u>DESCRIPTION</u>
GN-1	1	COVER SHEET, SITE LOCATION, AND DRAWING INDEX
GN-2	2	STANDARD LEGEND AND ABBREVIATIONS
GN-3	3	GENERAL NOTES
SV-1	4	EXISTING SURVEY
SI-1	5	EXISTING BOOSTER PUMP STATION SITE PLAN, GRADING, DRAINAGE, AND EROSION CONTROL
DM-1	6	EXISTING BOOSTER PUMP STATION DEMOLITION PLAN AND SECTIONS
PS-1	7	EXISTING BOOSTER PUMP STATION MECHANICAL PLAN, SECTION "A", AND SECTION "B"
DT-1	8	EROSION CONTROL DETAILS
GNE-1	9	ELECTRICAL LEGEND, NOTES & FIXTURE SCHEDULE
GNE-2	10	SINGLE LINE DIAGRAM AND ELECTRICAL SCHEDULES
OVE-1	11	OVERALL SITE ELECTRICAL PLAN
PSE-1	12	BOOSTER PUMP STATION ELECTRICAL PLANS
PSE-2	13	BOOSTER PUMP STATION ELECTRICAL PLANS
DTE-1	14	ELECTRICAL DETAILS



COUNTY LOCATION
SCALE: NONE



INSITE

ENGINEERING

HOOVER | TUSCALOOSA

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA

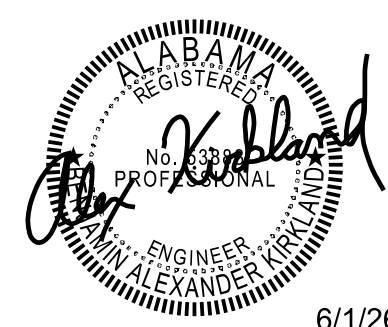


PROJECT INFO:

INSITE JOB No. 22057.00

PLOTTED: 6/1/26

ISSUED FOR BIDDING



THIS SHEET CONTAINS:

COVER SHEET,
SITE LOCATION,
AND DRAWING
INDEX

SCALE: NONE

SHEET 1 OF 14

GN-1

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF INSITE ENGINEERING, LLC
THE REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN
CONSENT IS PROHIBITED AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.
COPYRIGHT © 2024, INSITE ENGINEERING, LLC

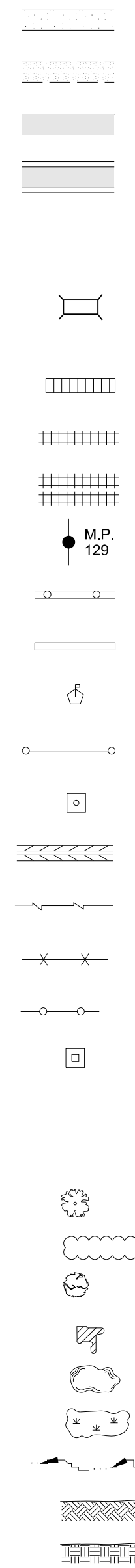
THESE PLANS ARE THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THESE PLANS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INSITE ENGINEERING, LLC. COPYRIGHT © 2024, INSITE ENGINEERING, LLC.

ABBREVIATIONS

ACQ'D	ACQUIRED
AC	ACRE
ALDOT	ALABAMA DEPARTMENT OF TRANSPORTATION
AVE	AVENUE
BM	BENCH MARK
BLDG	BUILDING
BLVD	BOULEVARD
CIP	CAST IRON PIPE
CL	CENTER LINE
CL	CLASS
CONC	CONCRETE
COR	CORNER
CFS	CUBIC FEET PER SECOND
CY	CUBIC YARD
C & G	CURB AND GUTTER
Q	DESIGN FLOW
DIST	DISTANCE
DBL	DOUBLE
Da	DRAINAGE AREA
DI	DUCTILE IRON PIPE
ESMT	EASEMENT
EL	ELEVATION
F	FLOW LINE
FPS	FEET PER SECOND
GAL	GALLON
GPM	GALLONS PER MINUTE
GPD	GALLONS PER DAY
HDWL	HEADWALL
HWEL	HEADWATER ELEVATION
HP	HIGH POINT
HWL	HIGH WATER LEVEL
HORIZ	HORIZONTAL
INV	INVERT
JCT	JUNCTION
JB	JUNCTION BOX
LF	LINEAR FEET
LP	LOW POINT
MB	MAIL BOX
MH	MANHOLE
MP	MILEPOST
MGD	MILLION GALLONS PER DAY
NWL	NORMAL WATER LEVEL
N	NORTHING
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
POT	POINT ON TANGENT
LB	POUND
P	PROPERTY LINE
RR	RAILROAD
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RD	ROAD
SS	SANITARY SEWER
SEC	SECTION
SHLDR	SHOULDER
SD	SIDE DRAIN
SY	SQUARE YARD
STA	STATION
ST	STREET
TBM	TEMPORARY BENCH MARK
T	TOWNSHIP
VERT	VERTICAL
VLF	VERTICAL FEET
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENT
VCP	VITRIFIED CLAY PIPE
WL	WATER LEVEL
WM	WATER MAIN

EXISTING

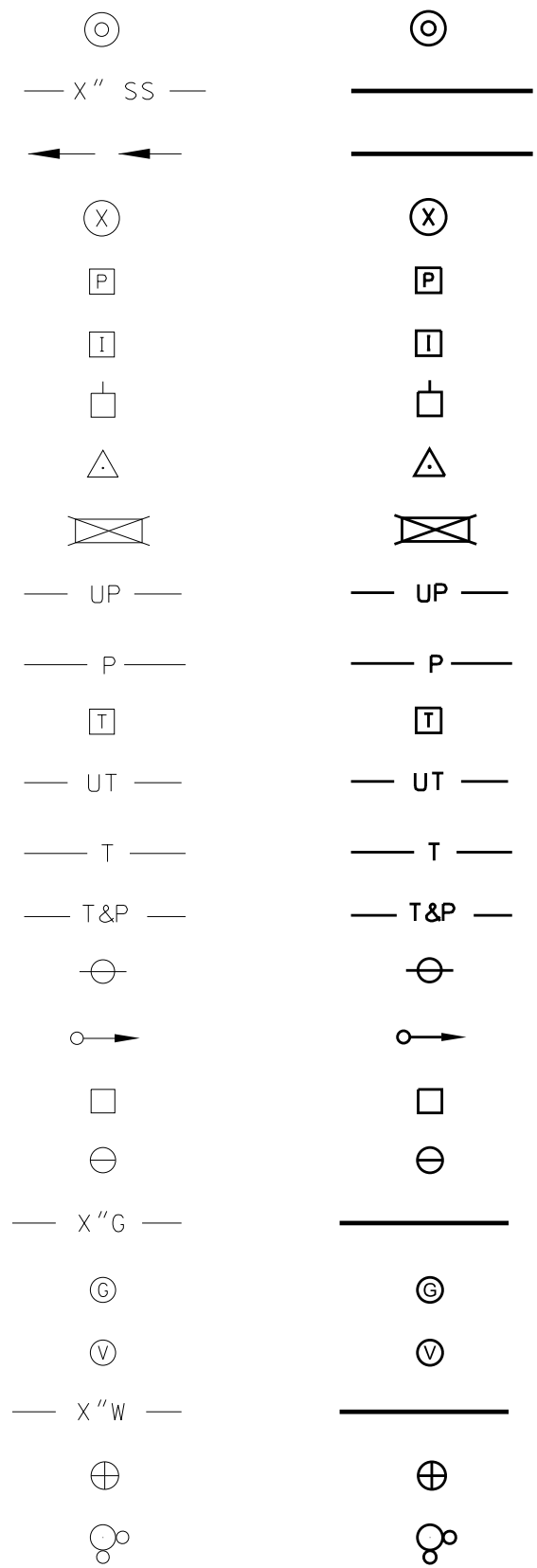
PROPOSED



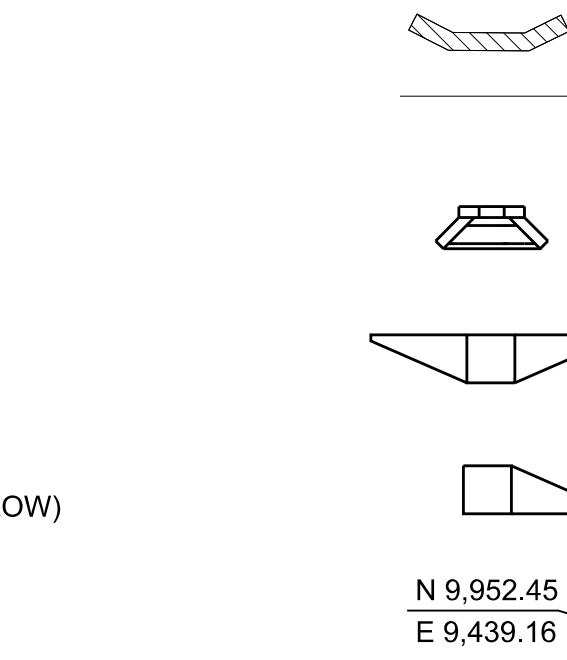
SIDEWALK
UNPAVED ROAD OR DRIVEWAY
PAVED ROAD OR DRIVEWAY
PAVED ROAD WITH GUTTER
DRAIN WITH HEADWALL (SIZE AND TYPE STRUCTURE NOTED)
EXISTING BRIDGE, BOX CULVERT, OR STORM DRAIN (SIZE AND TYPE STRUCTURE NOTED)
WALK BRIDGE
RAILROAD TRACK SINGLE
RAILROAD TRACK DOUBLE
RAILROAD MILEPOST
OUTDOOR ADVERTISING SIGN
MASONRY WALL (NOTE TYPE)
MAILBOX
CLOTHES LINE AND POLES (NOTED)
WELL
LEVEE OR EARTH DAM
WOOD FENCE
HOG WIRE OR BARBED WIRE FENCE
CHAIN LINK FENCE
DROP INLET (NOTED)
NATURAL
TREES. (DRAW DOT TO SCALE OF TREE)
HEDGES OR SHRUBBERY
SHRUB
FLOWER BED, GARDEN, OR ROCK GARDEN (NOTED)
LAKE OR POND
SWAMP, MARSH, ETC.
DITCH OR STREAM (ARROW INDICATES DIRECTION OF FLOW)
EARTH
ROCK

EXISTING

PROPOSED



SANITARY SEWER MANHOLE
SANITARY SEWER GRAVITY LINE (NOTE DIA. OF PIPE IF KNOWN)
SANITARY SEWER FORCE LINE (ARROW INDICATES FLOW)
UTILITY MANHOLE (NOTE TYPE IN CIRCLE - P,T,ETC.)
POWER JUNCTION BOX
INSTRUMENTATION JUNCTION BOX
POWER POLE
LIGHT POLE (NOTE TYPE)
HIGH VOLTAGE TRANSMISSION POLE OR TOWER
UNDERGROUND POWER CONDUIT
OVERHEAD POWER LINES
TELEPHONE JUNCTION BOX
UNDERGROUND TELEPHONE CONDUIT
OVERHEAD TELEPHONE LINES
OVERHEAD TELEPHONE AND POWER LINES
GUY POLE
UTILITY POLE ANCHOR
GAS LINE MARKER (NOTED)
GAS METER
GAS LINE (NOTE DIA. OF PIPE IF KNOWN)
GAS VALVE
WATER VALVE
WATER LINE (NOTE DIA. OF PIPE IF KNOWN)
WATER METER
FIRE HYDRANT

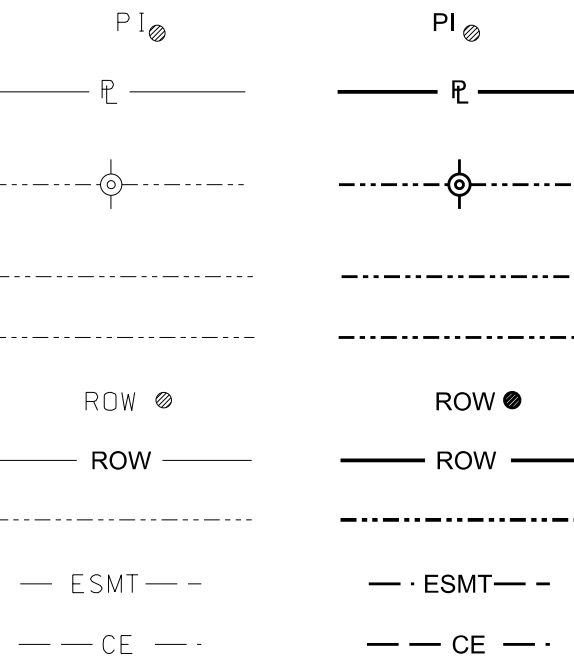


WATTLE DITCH CHECK DAM
SILT FENCE
HEADWALL
DOUBLE WING CURB INLET
SINGLE WING CURB INLET
NORTHING & EASTING

UTILITIES

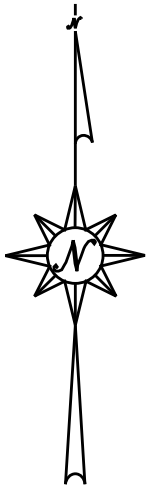
EXISTING

PROPOSED



SURVEY

PROPERTY IRON (SIZE AND TYPE NOTED)
PROPERTY LINE
SECTION CORNER OR ¼ SECTION CORNER IRON (SIZE, TYPE, AND DESCRIPTION NOTED)
¼ OR ¼ - ¼ SECTION LINE
SECTION LINE
RIGHT OF WAY MONUMENTS (NOTED FOR EXISTING)
ROW LINE
CONSTRUCTION LIMITS
EASEMENT
CONSTRUCTION EASEMENT



NORTH ARROW



Know what's below.
Call before you dig.



**INSITE
ENGINEERING**

HOOVER | TUSCALOOSA

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9896
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:

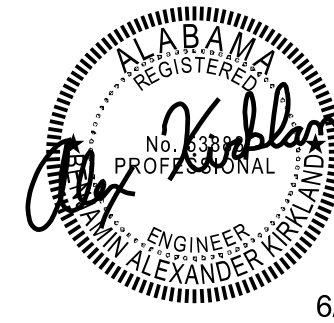
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**

ONEONTA, ALABAMA



PROJECT INFO:

INSITE JOB No. 22057.00
PLOTTED: 6/1/26
ISSUED FOR BIDDING



THIS SHEET CONTAINS:
STANDARD LEGEND
AND ABBREVIATIONS

SCALE: NONE
SHEET 2 OF 14

GN-2

- FLOOD HAZARD RISK, IF ANY, ASSOCIATED WITH THIS PROPERTY MAY BE FOUND IN THE DETAILED DRAINAGE REPORT, IF PROVIDED. THIS INFORMATION HAS BEEN OBTAINED FROM THE FEMA MAPPING SERVICE AND FOR FURTHER INFORMATION SEE THE APPROPRIATE FEMA FLOOD PANEL.
- A SUBSURFACE INVESTIGATION HAS NOT BEEN DONE. INSITE ENGINEERING, LLC ALWAYS RECOMMENDS OBTAINING A GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION FILL COMPACTION REQUIREMENTS, FILL TYPE REQUIREMENTS, PAVEMENT BUILD UPS SHOULD BE DIRECTED AND PROVIDED BY THE GEOTECHNICAL ENGINEER.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT SUBDIVISION REGULATIONS AND DESIGN STANDARDS OF THE GOVERNING AUTHORITY.
- CONTRACTOR IS RESPONSIBLE FOR BUILDING SITES FREE OF DRAINAGE PROBLEMS DUE TO ANY DEVIATION FROM THE DESIGN PLANS.
- GOVERNING AUTHORITIES ARE NOT RESPONSIBLE FOR ANY DRAINAGE EASEMENT OUTSIDE THE PUBLIC RIGHT-OF-WAY.
- THE GOVERNING AUTHORITY IS NOT, NOR EVER WILL, BE RESPONSIBLE FOR MAINTENANCE OF PRIVATE ROADS, EASEMENTS, OR AREAS OFF PUBLIC RIGHT-OF-WAYS.
- CONTRACTOR SHALL NOTIFY GOVERNING AUTHORITIES A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY WORK WITHIN THE RIGHT-OF-WAY OF EXISTING ROADS.
- ALL FEMA, USACE, COUNTY, AND/OR STATE PERMITS SHALL BE IN HAND AND ON SITE DURING THE CONSTRUCTION OF THE PROJECT.
- A SIGNED AND SEALED COPY OF THE PLANS SHALL BE MAINTAINED ON SITE AND MADE READILY AVAILABLE FOR THE DURATION OF THE CONSTRUCTION.
- CONTRACTOR SHALL KEEP A MARKED UP SET OF PLANS SHOWING ALL CHANGES, DIMENSIONS, ETC. TO PROVIDE TO THE ENGINEER AFTER THE JOB IS COMPLETE AND CAPABLE OF BEING UTILIZED AS AS-BUILT DRAWINGS FOR FUTURE LOCATES.
- CONTRACTOR IS TO MODIFY, ADJUST, AND RELOCATE EROSION AND SEDIMENT CONTROLS AS DEEMED NECESSARY BY THEIR MEANS OF CONSTRUCTION DURING THE PROJECT. ALL ADUM AND FEDERAL GUIDELINES SHOULD BE UPHOLD DURING THESE OPERATIONS. ANY EXPENSE, FINES, ETC. DURING THE GRADING PROCESS DUE TO LACK OF EROSION CONTROL, MOVEMENT, OR LACK OF MODIFICATION OF THE CONTRACTORS PROCESS SHALL BE AT THE CONTRACTORS SOLE EXPENSE.

- CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, MECHANICAL, STRUCTURAL, ELECTRICAL, SURVEY, AND OTHER DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. SURVEY ACCURACY SHOWN HAS BEEN SUPPLIED TO STATE STANDARDS PER CONTOUR INTERVAL. ALL GRADES, ELEVATIONS, SETBACKS, ETC. SHALL BE VERIFIED PRIOR TO ANY SLAB, SIDEWALK, DRIVEWAY, ETC. BEING POURED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH FAILURE TO COMPLY WITH THIS PROVISION.
2. UNDERGROUND UTILITY LOCATIONS SHOWN ARE FROM UTILITY COMPANY RECORDS OR FROM LINE LOCATOR MARKS AND ARE SHOWN IN APPROXIMATE MANNER ONLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE, LOCATION, SIZE, AND TYPE OF ANY AND ALL UTILITY LINES PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AS A RESULT OF HIS CONSTRUCTION OPERATIONS.
3. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES, PROCEDURES, AND JOB SITE SAFETY. THE CONTRACTOR SHALL TAKE ALL MEANS NECESSARY TO MAINTAIN AND PROTECT THE INTEGRITY OF ALL CONSTRUCTION (NEW AND EXISTING) AT ALL STAGES. ENGINEER ASSUMES NO LIABILITY FOR SAFETY ON THE JOB SITE.
4. ALL UTILITIES WITHIN ROADWAY SHALL BE BACKFILLED COMPLETELY WITH STONE UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER OR THE GOVERNING AUTHORITY.
5. ALL AREAS WHICH WILL LIE UNDER NEW STRUCTURES, PAVING, CONCRETE, OR WALKWAYS SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.
6. ALL PERMITS, OTHER THAN THOSE EXCLUDED BY THE SPECIFICATIONS, FOR THE DEVELOPMENT OF THESE PLANS ARE THE CONTRACTORS RESPONSIBILITY AND SHALL BE OBTAINED PRIOR TO DISTURBING ANY AREAS OR BEGINNING ANY CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND LEGAL DISPOSAL OF ALL MATERIALS AND DEBRIS NOT ACCEPTABLE TO THE OWNER.
8. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONCURRENT WORK BEING PERFORMED IN THE AREA.

1. OBTAIN REQUIRED PERMITS.
2. STAKE PROPERTY LINES AND CLEARING LIMITS.
3. SELECTIVELY CLEAR PATH AS REQUIRED TO INSTALL SILT FENCING AND PERIMETER EROSION CONTROL MEASURES.
4. INSTALL SILT FENCES ALONG SIDE SLOPE BOUNDARIES.
5. INSTALL STONE ENTRANCE DRIVE.
6. PROTECT STORM DRAIN INLETS DOWNSTREAM OF CONSTRUCTION WITH HAY BALES, WATTLES, SILT FENCE AND/OR OTHER PROTECTIVE MEASURES.
7. INSTALL OTHER REQUIRED EROSION CONTROL MEASURES DOWNSTREAM OF PROJECT AREA.
8. PERFORM CLEARING AND GRUBBING.
9. INSTALL SILT FENCE AROUND STOCKPILES.
10. BEGIN EARTHWORK AND CONSTRUCT PROJECT.
11. MODIFY AND MAINTAIN EROSION CONTROL AS REQUIRED DURING CONSTRUCTION.
12. INSPECT ALL EROSION CONTROL MEASURES AFTER EVERY 0.50" RAINFALL. COPIES OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE PROPER AUTHORITIES IN ACCORDANCE WITH APPLICABLE PERMITS.
13. TEMPORARILY OR PERMANENTLY STABILIZE STRIPPED AREAS AND STOCKPILES LEFT INACTIVE FOR 14 OR MORE CALENDAR DAYS.
14. REMOVE ANY SEDIMENT REACHING PUBLIC OR PRIVATE ROADWAYS BY STREET CLEANING BEFORE THE END OF EACH DAY. FLUSHING OF STREETS WILL NOT BE ALLOWED
15. INSTALL TEMPORARY SEDIMENTATION PONDS OR DIVERSION BERMS AS NEEDED TO CONTROL THE FLOW OF WATER AND COLLECTION OF SEDIMENT DURING THE PROJECT.
16. COMPLETE FINE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
17. COMPLETE FINAL PAVING FOR ROADS.
18. REMOVE SILT FENCE UPON COMPLETION OF ALL CONSTRUCTION ACTIVITY.
19. RESEED AND STABILIZE ANY BARE SPOTS OR WASHOUTS.
20. TERMINATE ALL PERMITS.

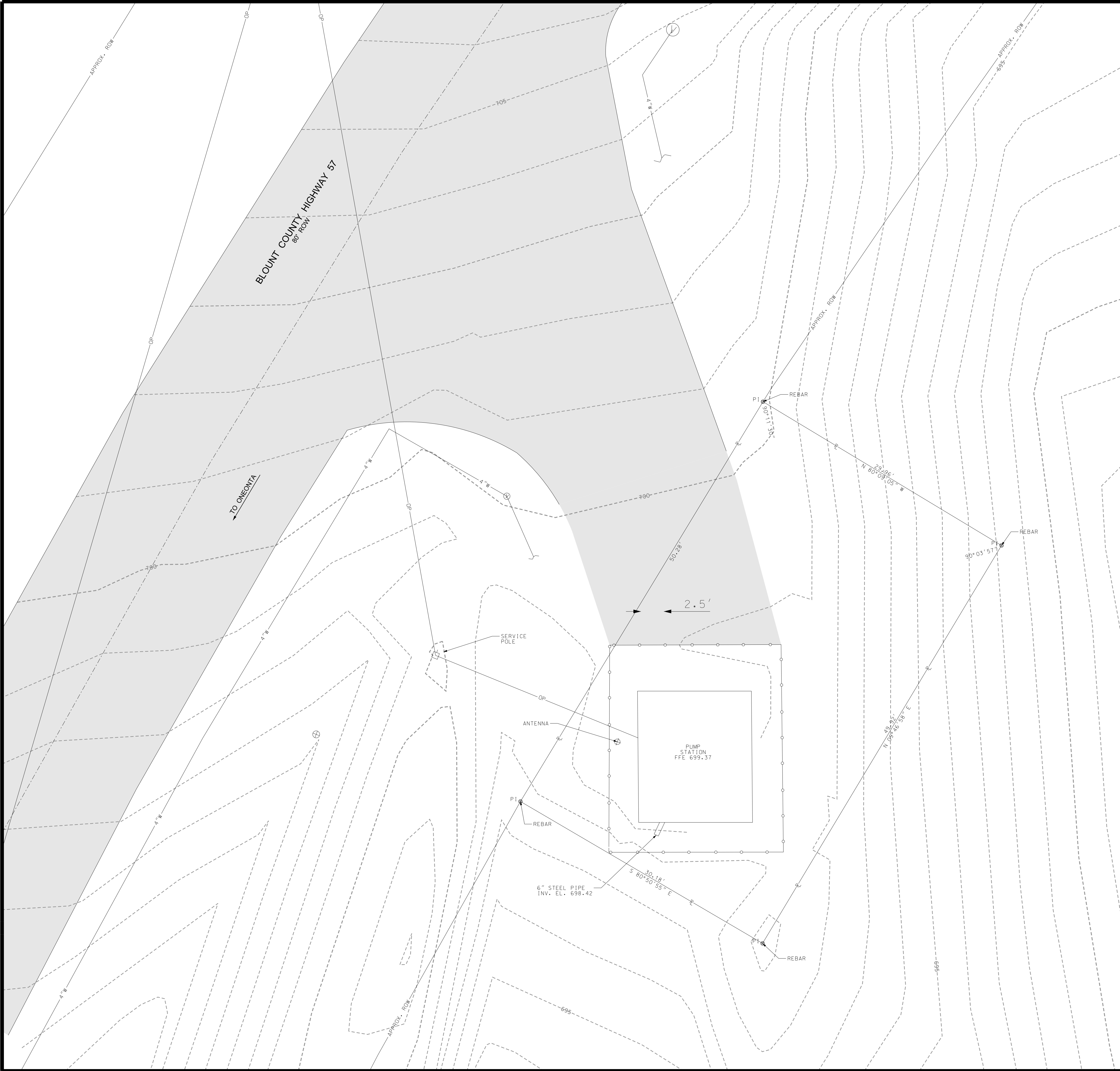
2. CONTRACTOR SHALL MAINTAIN 2% SLOPE ON ALL SIDEWALKS.
3. EMBANKMENTS WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN MAX. 10" LIFTS AND MIN. 98% COMPACTION (AASHTO T - 180) UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL ENGINEER.
4. NO WORK TO BE DONE IN EITHER ALDOT OR COUNTY RIGHT-OF-WAY UNTIL ALL APPROPRIATE PERMITS ARE PROVIDED TO THE CITY.
5. CITY ENGINEER TO BE PROVIDED AT LEAST 48 HOURS NOTICE PRIOR TO THE STARTING OF EACH PHASE OF WORK.
6. ALL PERMITS/APPROVALS BY ADEM, ALDOT, FEMA, CORPS OF ENGINEERS WILL BE REQUIRED PRIOR TO DISTURBING AREAS UNDER JURISDICTIONS OF SUCH PERMITS.
7. THERE SHALL BE NO LAND DISTURBING ACTIVITY UNTIL PROOF OF ADEM NOR COVERAGE IS PROVIDED TO THE GOVERNING AUTHORITY AND ADEQUATE EROSION CONTROL MEASURES ARE IN PLACE.
8. ELEVATIONS SHOWN ARE FINISHED GRADE. THE CALCULATION OF THE APPROPRIATE SUBGRADE ELEVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBGRADE ELEVATIONS SHALL VARY IN ACCORDANCE WITH THE SURFACE TREATMENT CALLED FOR ON THESE PLANS (I.E. ASPHALT PAVEMENT, CONCRETE PAVEMENT, SIDEWALK, TOPSOIL, ETC.) AND THE RELATED SECTIONS OR DETAILS. THE CONTRACTOR SHOULD PLAN ON SAWCUT AND EXCAVATION OR MILLING EFFORTS TO ENSURE SMOOTH TRANSITION UNLESS AN EXISTING VERTICAL LIP IS PRESENT TO CONNECT THE TRANSITION.
9. CONTRACTOR SHALL TIE PROPOSED PAVING INTO EDGE OF EXISTING PAVING. CONTRACTOR SHALL ADJUST CROSS SECTION, EDGE OF DEMOLITION LIMITS, ETC. AS REQUIRED TO ENSURE SMOOTH PAVEMENT TRANSITIONS AND POSITIVE DRAINAGE. CURB AND GUTTER, SIDEWALK, CONCRETE PAVING, ETC. SHALL BE WORKMANLIKE, SMOOTH, AND ENSURE POSITIVE DRAINAGE. ADDITIONAL REQUIRED DEMOLITION TO ENSURE A SMOOTH TRANSITION IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL CUT AND FILL SIDE SLOPES ARE 2:1 UNLESS NOTED OTHERWISE. UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL ENGINEER.
11. CLEARING LIMITS TO BE 5' OUTSIDE OF TOE AND TOP OF SLOPE.
12. CONTRACTOR SHALL OVER EXCAVATE ALL PONDS BY ADEQUATE AMOUNT IN ORDER TO ALLOW FOR SEDIMENTATION OF THE WATER ENTERING THE DETENTION FACILITIES. THIS BOTTOM SHALL BE RESTORED TO ELEVATIONS DETAILED ON SHEET WITH THE POND OUTLET INFORMATION UPON COMPLETION AND STABILIZATION OF THE SITE.
13. DIMENSIONS AND RADII ARE SHOWN TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
14. ELEVATION SPOTS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

1. ALL EROSION CONTROL PERMITS FOR THE DEVELOPMENT OF THESE PLANS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY GROUND DISTURBANCE.
2. EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO BEGINNING ANY OTHER CONSTRUCTION ON THE JOB SITE.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, AND REMOVING ALL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES AS SHOWN ON THESE DRAWINGS OR REQUIRED BY LOCAL, STATE, AND/OR FEDERAL REGULATORY AUTHORITIES.
4. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE DRAWINGS ARE CONSIDERED THE MINIMUM ACCEPTABLE AND SHALL BE MODIFIED IN THE FIELD AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND/OR FEDERAL REQUIREMENTS.
5. EROSION CONTROL MEASURES MUST BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED AND THE NPDES PERMIT IS TERMINATED.
6. ALL DISTURBED AREAS NOT SHOWN TO BE LANDSCAPED SHALL BE SEEDED & MULCHED AS PER LOCAL STANDARDS AND SPECIFICATIONS.
7. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATING TO THE ON SITE STORAGE OF FUEL, OIL, AND GREASE. AN SPCC PLAN MUST BE MAINTAINED AND IMPLEMENTED ON SITE.
8. STREAMS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR HEAVY EQUIPMENT. CROSSINGS SHALL BE LIMITED TO ONE POINT AND EROSION CONTROL MEASURES MUST BE UTILIZED WHERE STREAM BANKS AND DRAINAGE DITCHES ARE DISTURBED.

1. THE EROSION CONTROL PLAN SHALL CONTAIN A DESCRIPTION OF THE EXISTING SITE CONDITIONS, A DESCRIPTION OF ADJACENT TOPOGRAPHICAL FEATURES, INFORMATION NECESSARY TO DETERMINE THE EROSION QUALITIES OF THE SOIL ON THE SITE, POTENTIAL PROBLEM AREAS OF SOIL EROSION AND SEDIMENTATION, SOIL STABILIZATION SPECIFICATIONS, STORM WATER MANAGEMENT CONSIDERATIONS, PROJECTED TIME SCHEDULE FOR COMMENCEMENT AND COMPLETION OF THE LAND DISTURBING ACTIVITY, SPECIFICATIONS FOR BMP PLAN MAINTENANCE DURING THE PROJECT AND AFTER THE COMPLETION OF THE PROJECT, CLEARING AND GRADING LIMITS, AND ALL OTHER INFORMATION NECESSARY TO DEPICT ACCURATELY THE SOLUTIONS TO POTENTIAL SOIL EROSION AND SEDIMENTATION PROBLEMS TO THE MS4. THE CONTROL PLAN SHALL INCLUDE THE SERIES OF BMP'S AND SHALL BE REVIEWED BY, AND SUBJECT TO THE APPROVAL OF, THE OFFICIAL PRIOR TO THE ISSUANCE OF THE PERMIT.
2. CONTROL MEASURES SHALL BE MAINTAINED AS AN EFFECTIVE BARRIER TO SEDIMENTATION AND EROSION IN ACCORDANCE WITH THIS PLAN.
3. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE. THE STORM WATER DISCHARGE TO AN MS4 MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED TO AN MS4 FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE HARMFUL EFFECT ON THE BODIES OF WATER WITHIN THE MS4) OR ODOR IN THE COMMUNITY WATERS. THE STORM WATER DISCHARGE TO THE MS4 MUST RESULT IN NO MATERIALS IN CONCENTRATIONS SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE COMMUNITY WATERS.



THE ENGINEERING, ARCHITECTURAL, AND SURVEYING SERVICES OF INSITE ENGINEERING, LLC
ARE PROVIDED ON THE BASIS OF A PROFESSIONAL CONTRACT BETWEEN INSITE ENGINEERING, LLC
AND THE CLIENT. THE CLIENT AGREES TO HOLD INSITE ENGINEERING, LLC HARMLESS FROM
ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S
FEES, THAT MAY BE ASSERTED AGAINST INSITE ENGINEERING, LLC BY ANY THIRD PARTY.
COPYRIGHT © 2024, INSITE ENGINEERING, LLC



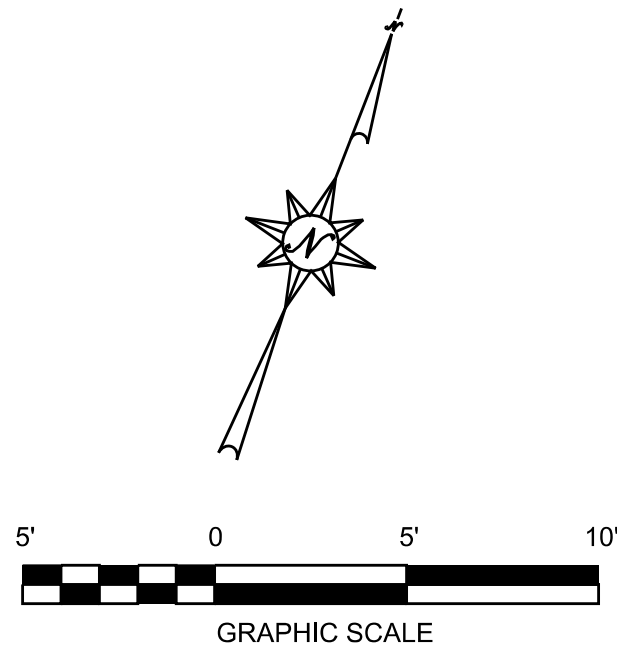
STATE OF ALABAMA
BLOUNT COUNTY

I, James M. Ray, a Registered Land Surveyor in the State of Alabama, hereby
certify that all parts of this survey and plat (or drawing) have been completed
in accordance with the requirements of the Standards for the Practice of
Surveying in the State of Alabama.

According to my survey this the 1ST day of NOVEMBER 2023.

James M. Ray
James M. Ray, Ala. Reg. No. 18383
Ray and Gilliland, P. C., Ala. Board Cert. No. CA-0114-LS

Note: No title search of the public records has been performed by this firm and
land shown hereon was not abstracted for easements and /or rights-of-way,
recorded or unrecorded. The parcel shown hereon is subject to setbacks,
easements, zoning, and restrictions that may be found in the public records of
said county and/or city.
Underground portions of foundations and footings and/or other underground
structures, utilities, cemeteries or burial sites were not located unless otherwise
noted. We do not look for underground sewer or flip manhole covers.
This survey is not transferable and may only be used by the person/company
that pays for it at time of survey.





**INSITE
ENGINEERING**

HOOVER | TUSCALOOSA

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA

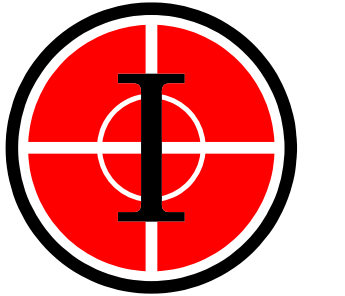


PROJECT INFO:
INSITE JOB No. 22057.00
PLOTTED: 6/1/26
ISSUED FOR BIDDING

THIS SHEET CONTAINS:
EXISTING SURVEY

SCALE: 1" = 5'-0"
SHEET 4 OF 14

SV-1



**INSITE
ENGINEERING**

HOOVER | TUSCALOOSA

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:

**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**

ONEONTA, ALABAMA



PROJECT INFO:

INSITE JOB No. 22057.00

PLOTTED: 6/1/26

ISSUED FOR BIDDING



6/1/26

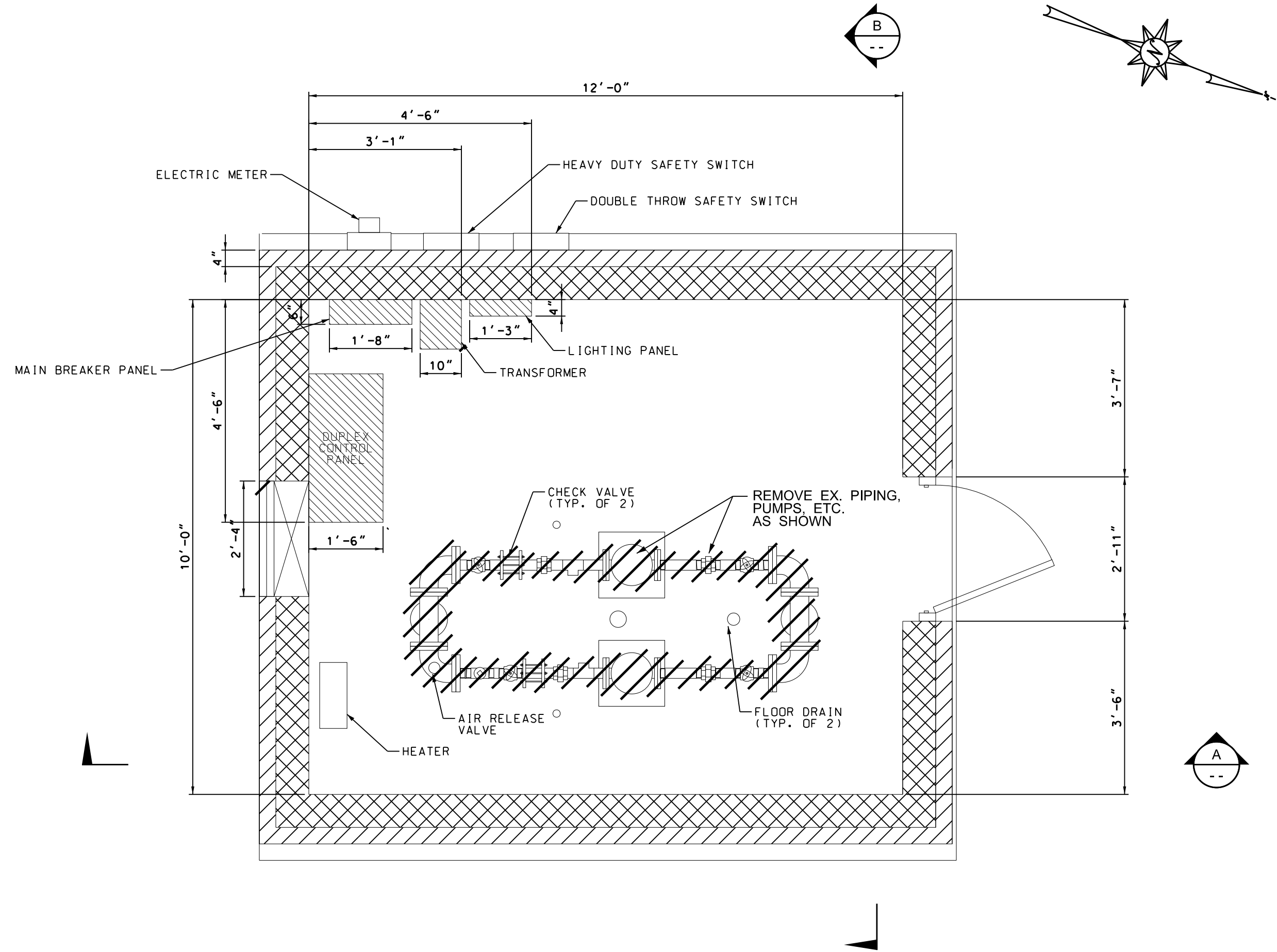
THIS SHEET CONTAINS:

EXISTING BOOSTER
PUMP STATION
DEMOLITION PLAN
AND SECTIONS

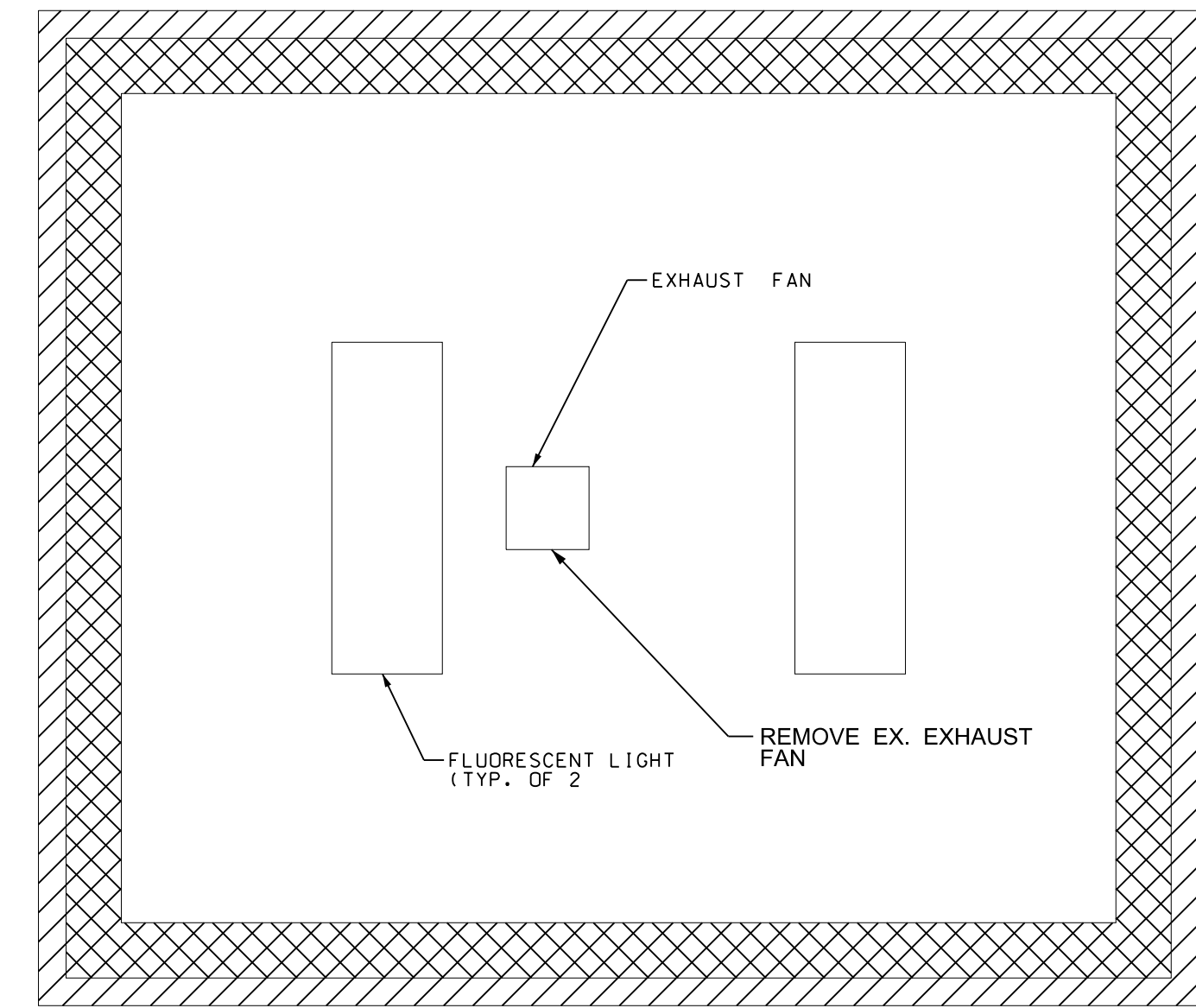
SCALE: 1/2" = 1'-0"

SHEET 6 OF 14

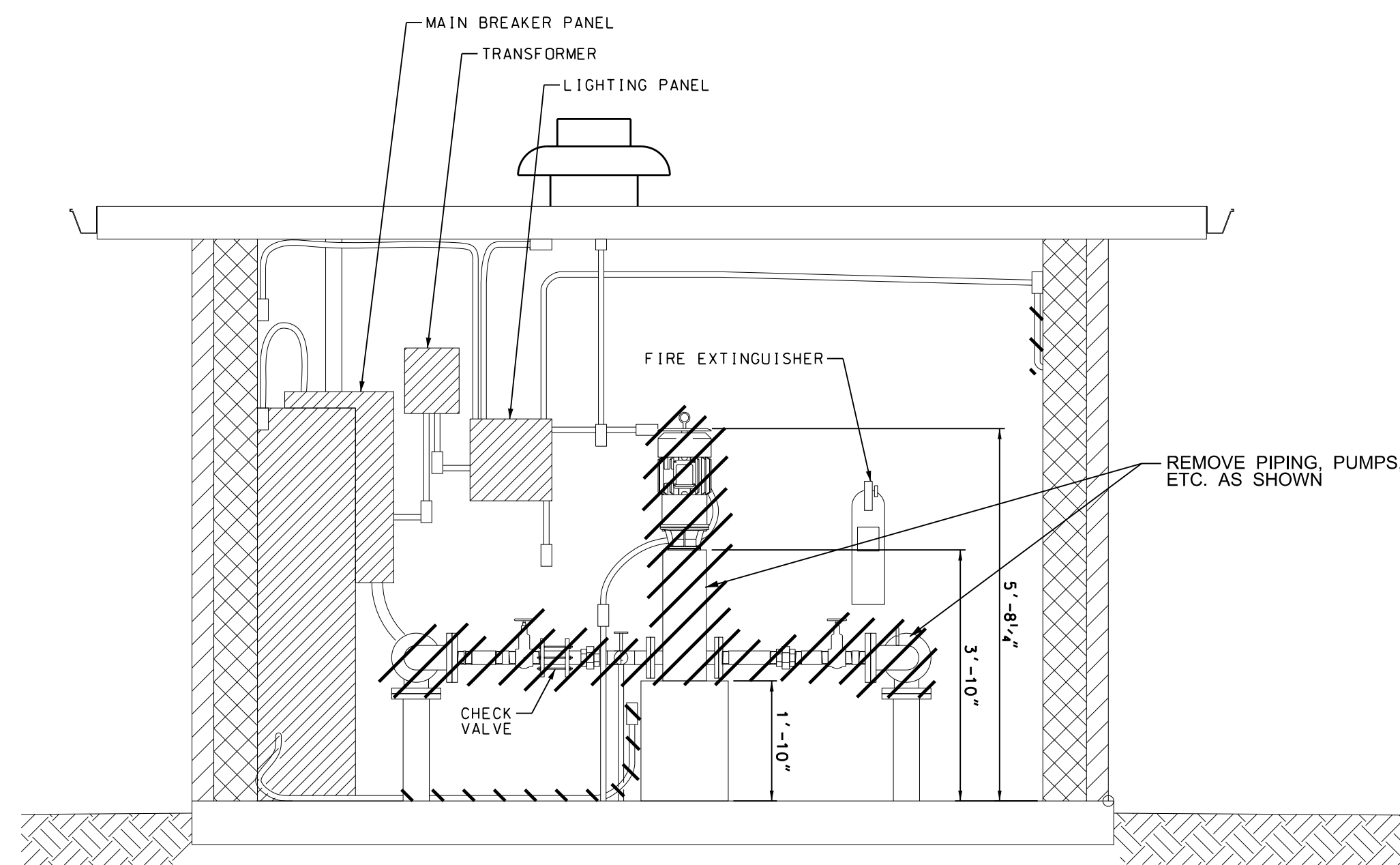
DM-1



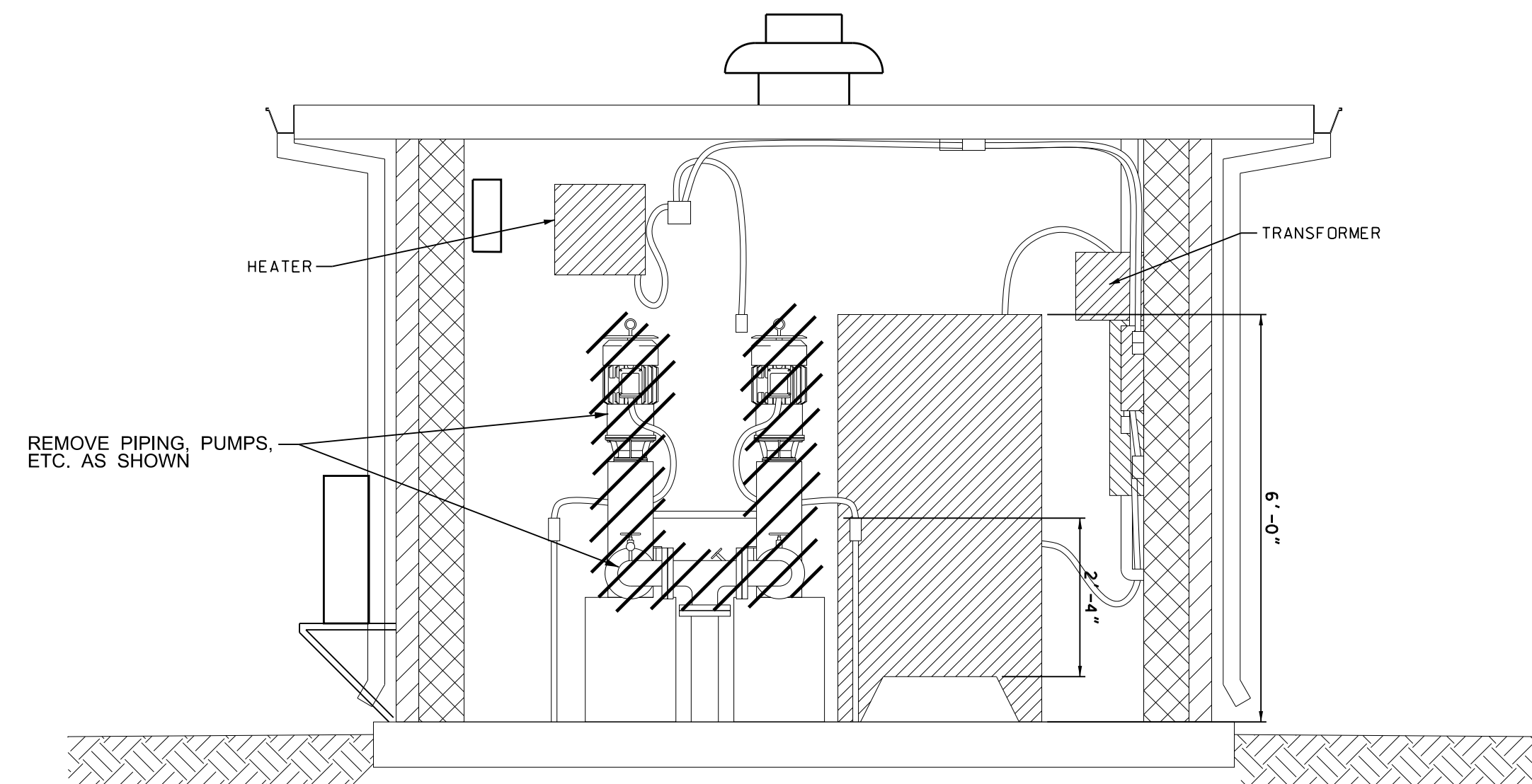
PLAN - BOOSTER PUMP STATION
SCALE: NONE



REFLECTED CEILING PLAN - BOOSTER PUMP STATION
SCALE: NONE

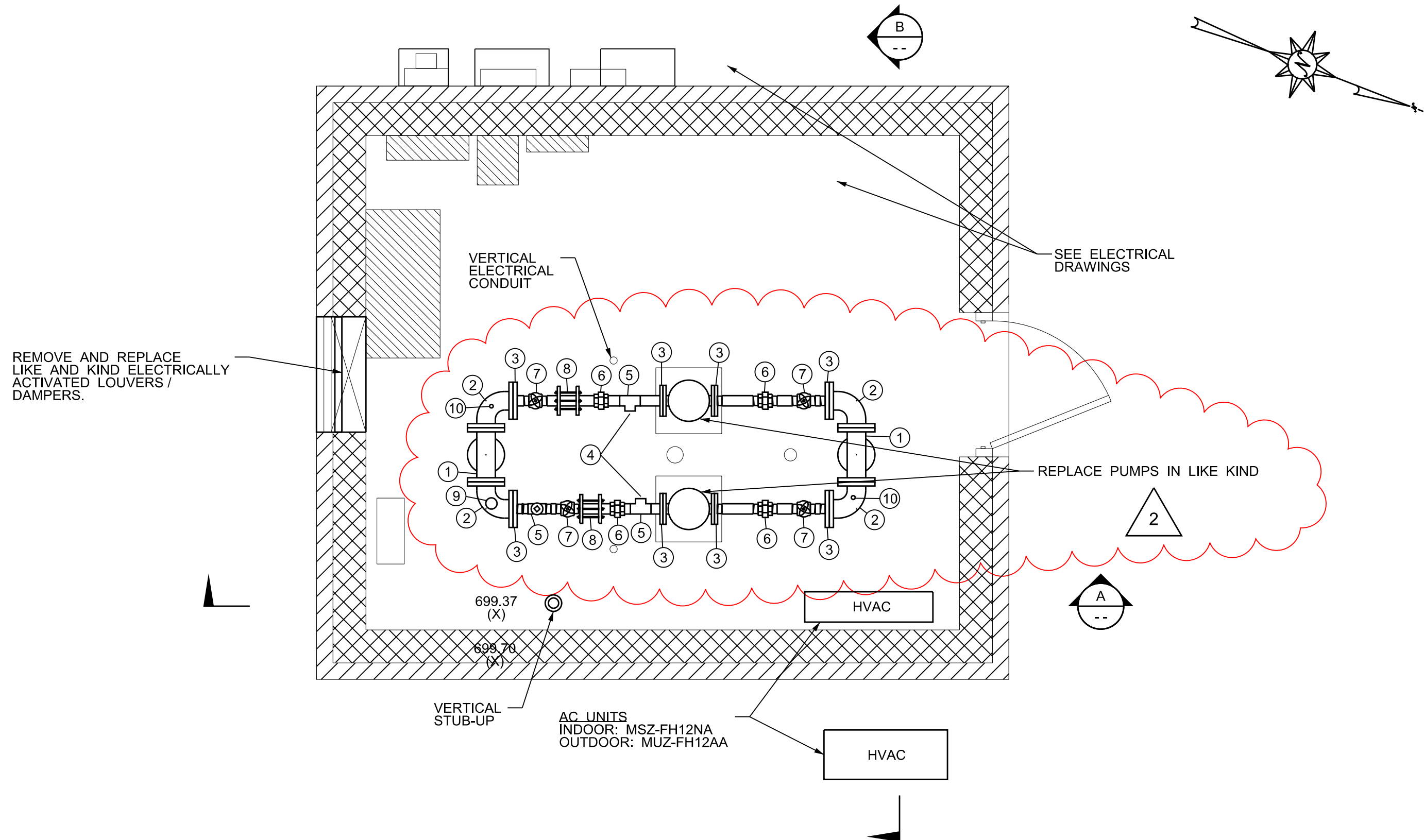


SECTION "A" - BOOSTER PUMP STATION
SCALE: NONE



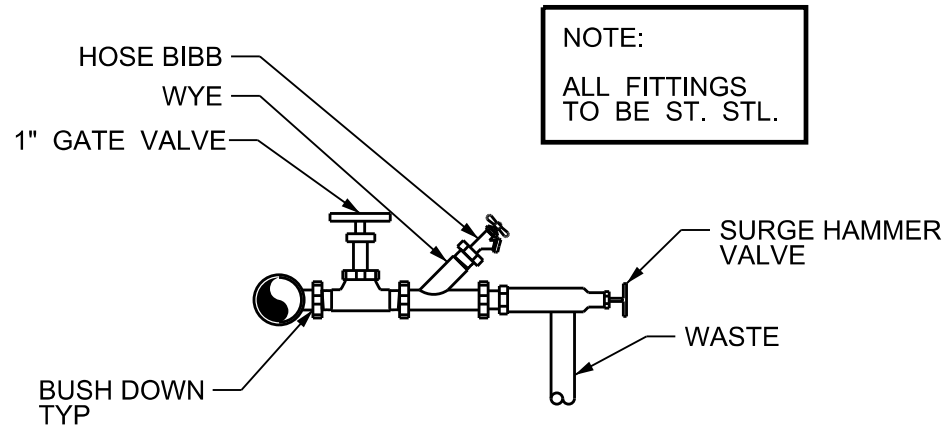
SECTION "B" - BOOSTER PUMP STATION
SCALE: NONE

INSITE ENGINEERING, LLC
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
(205) 733-9696
www.insiteengineering.org
CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL
COPYRIGHT © 2024, INSITE ENGINEERING, LLC



PLAN - BOOSTER PUMP STATION
SCALE: 1/2" = 1'-0"

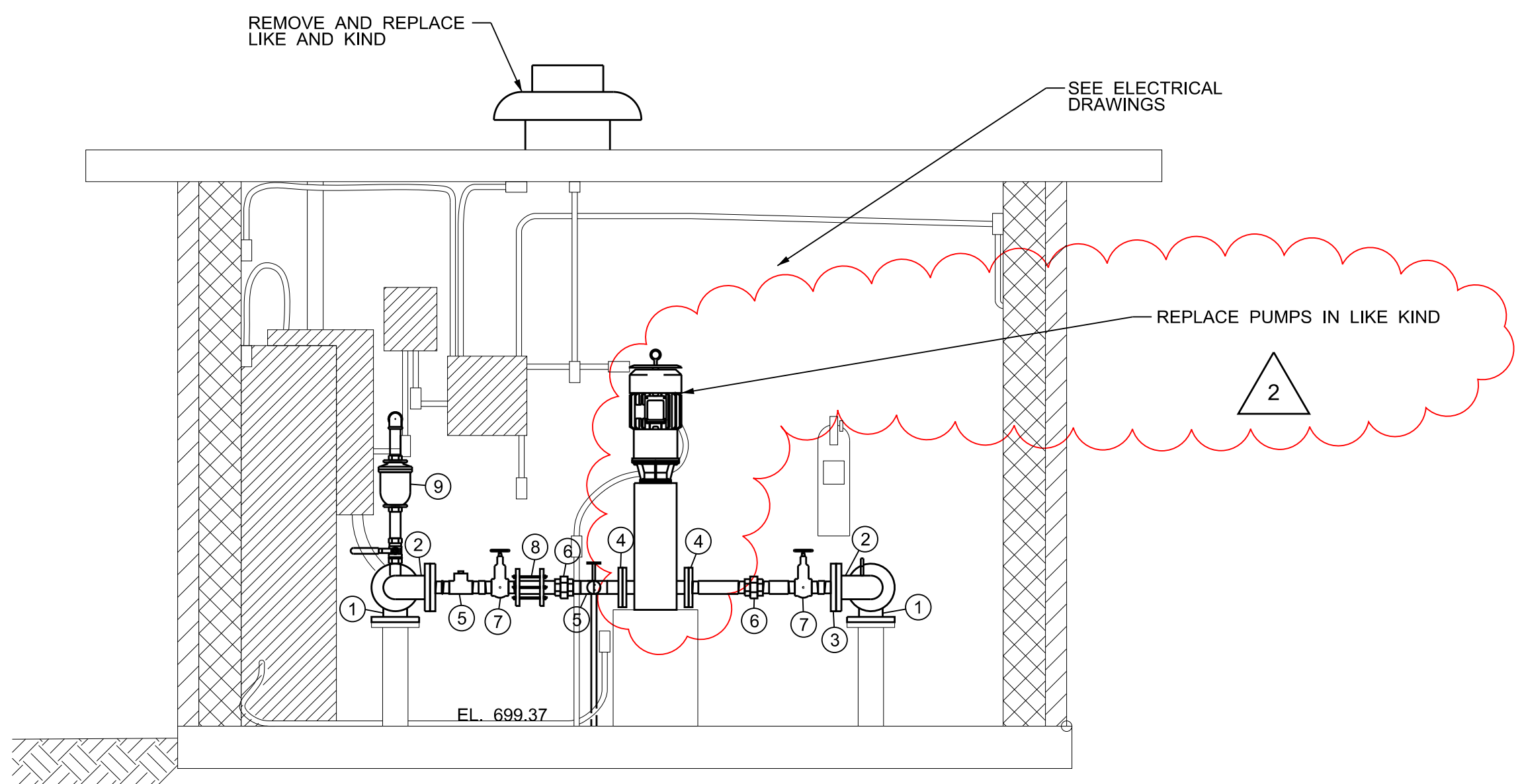
NOTE:
1. SEE ELECTRICAL DRAWINGS FOR LOCATIONS OF NEW PANELS, SWITCHES, METER, TRANSFORMER, ETC.
2. REPLACE ALL PUMPS, VALVES, PIPING (FROM THE SLAB UP) WITH NEW LIKE IN KIND.



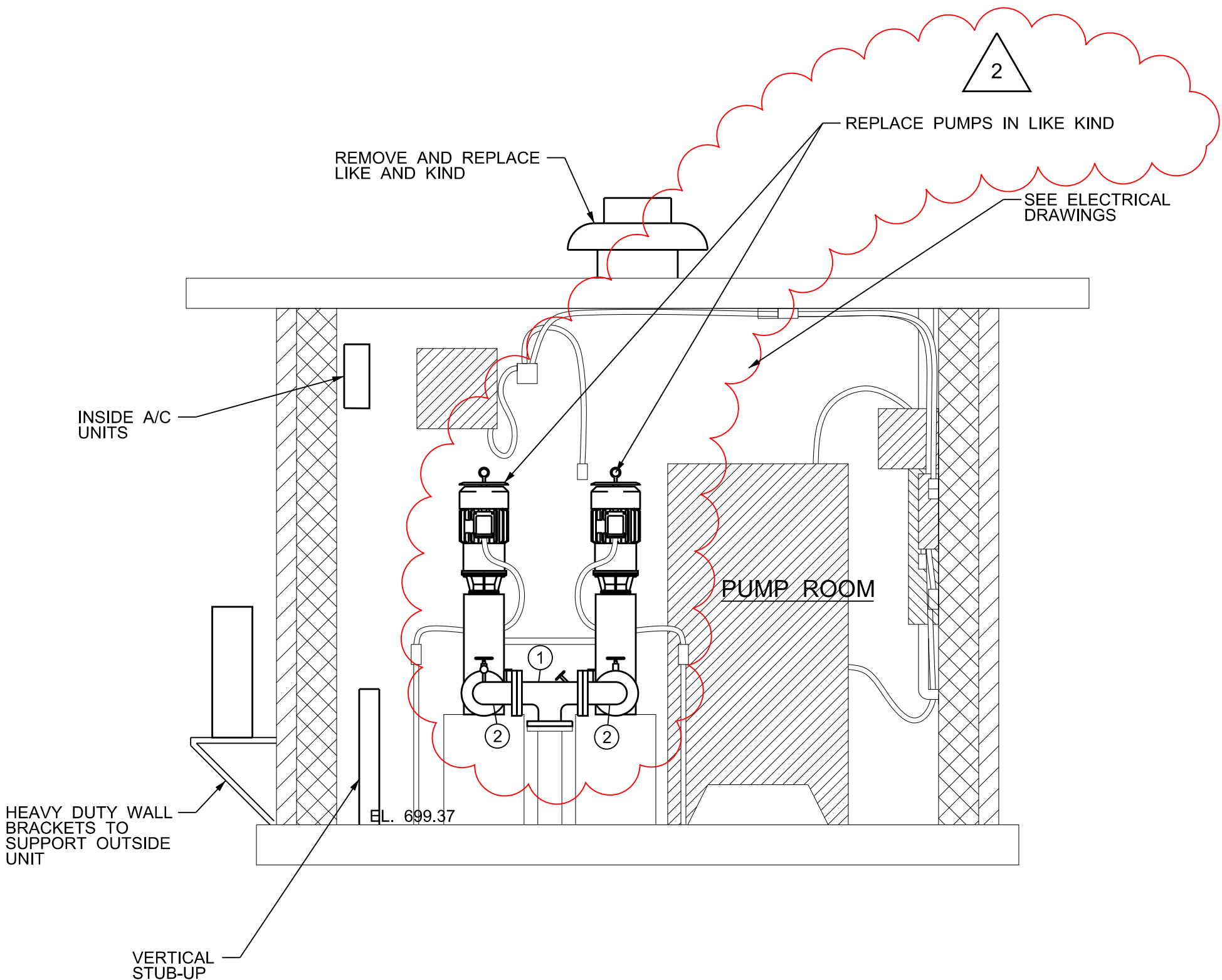
DETAIL - SURGE HAMMER ASSEMBLY
SCALE: NONE

MATERIALS LIST

- ① 4" SCH. S10 ST. STL. TEE, ALL FLG
- ② 4" SCH. S10 ST. STL. 90° BEND, ALL FLG
- ③ 4" SCH. S10 ST. STL. BLIND FLANGE, TAPPED NPT, SIZE AS REQ'D
- ④ SURGE HAMMER ASSEMBLY, SEE DETAIL
- ⑤ 2 1/2" SCH. S10 ST. STL. TEE
- ⑥ 2 1/2" SCH. S10 ST. STL. UNION
- ⑦ 2 1/2" SCH. 316 ST. STL. GATE VALVE
- ⑧ 2 1/2" SCH. 316 ST. STL. CHECK VALVE
- ⑨ 1" ST. STL. ARV
- ⑩ PRESSURE GAUGE



SECTION "A" - BOOSTER PUMP STATION
SCALE: 1/2" = 1'-0"



SECTION "B" - BOOSTER PUMP STATION
SCALE: 1/2" = 1'-0"

2 ADDENDUM No. 2

INSITE ENGINEERING
HOOVER | TUSCALOOSA
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org
CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

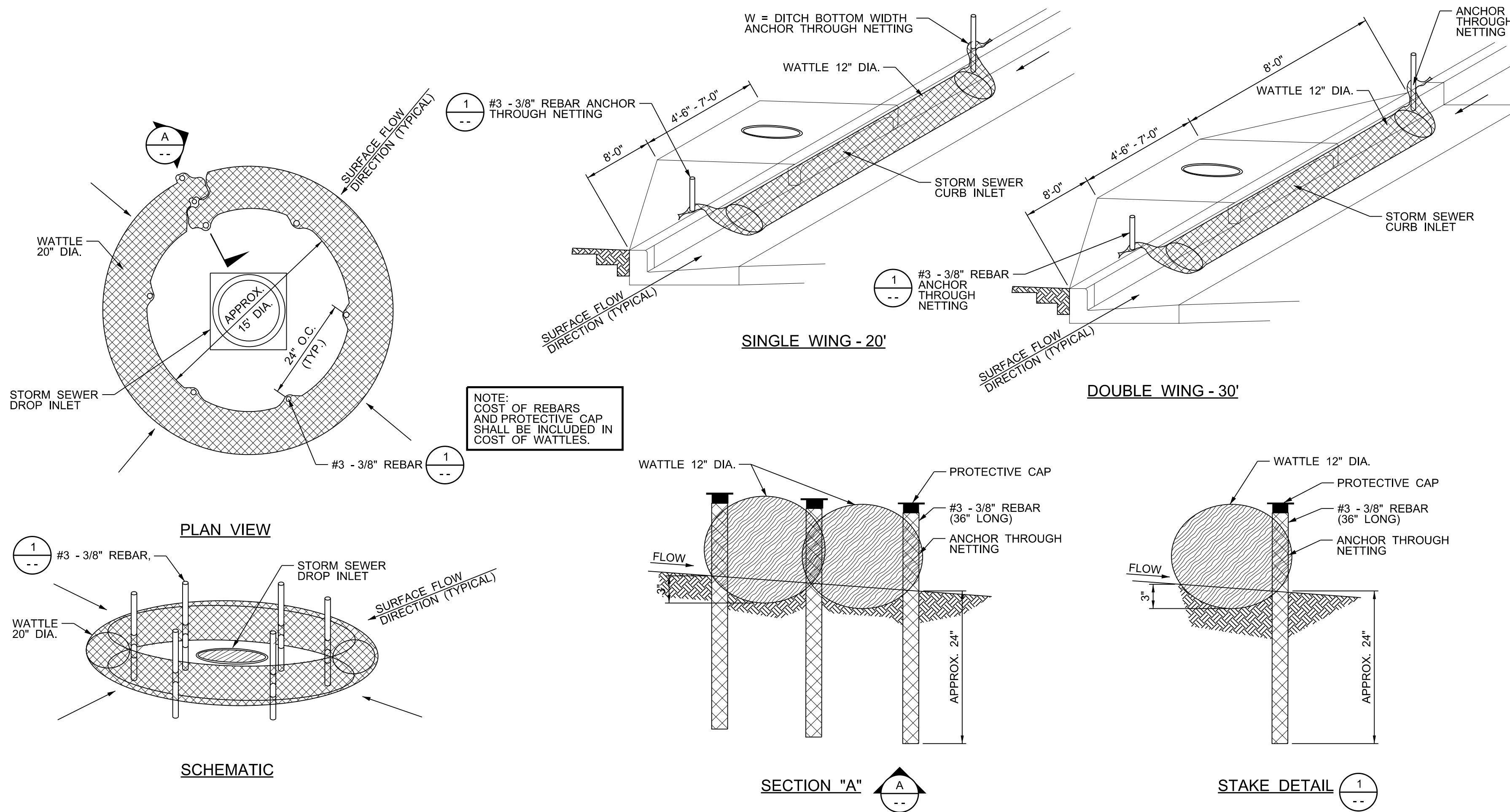
CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA



PROJECT INFO:
INSITE JOB No. 22057.00
PLOTTED: 6/1/26
ISSUED FOR BIDDING
ADDENDUM No. 2

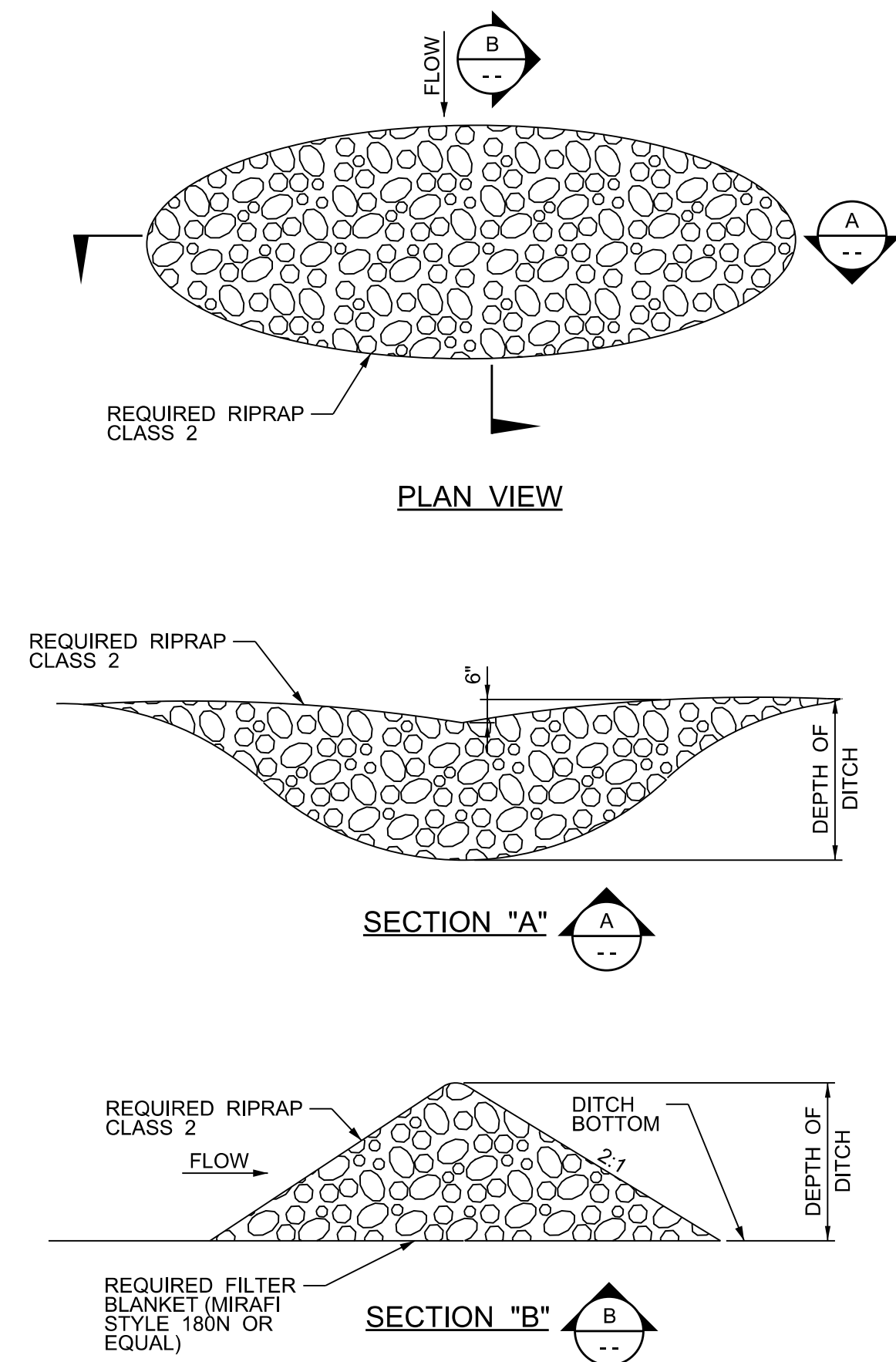
THIS SHEET CONTAINS:
EXISTING BOOSTER PUMP STATION MECHANICAL PLAN AND SECTIONS
SCALE: 1/2" = 1'-0"
SHEET 7 OF 14
PS-1

1



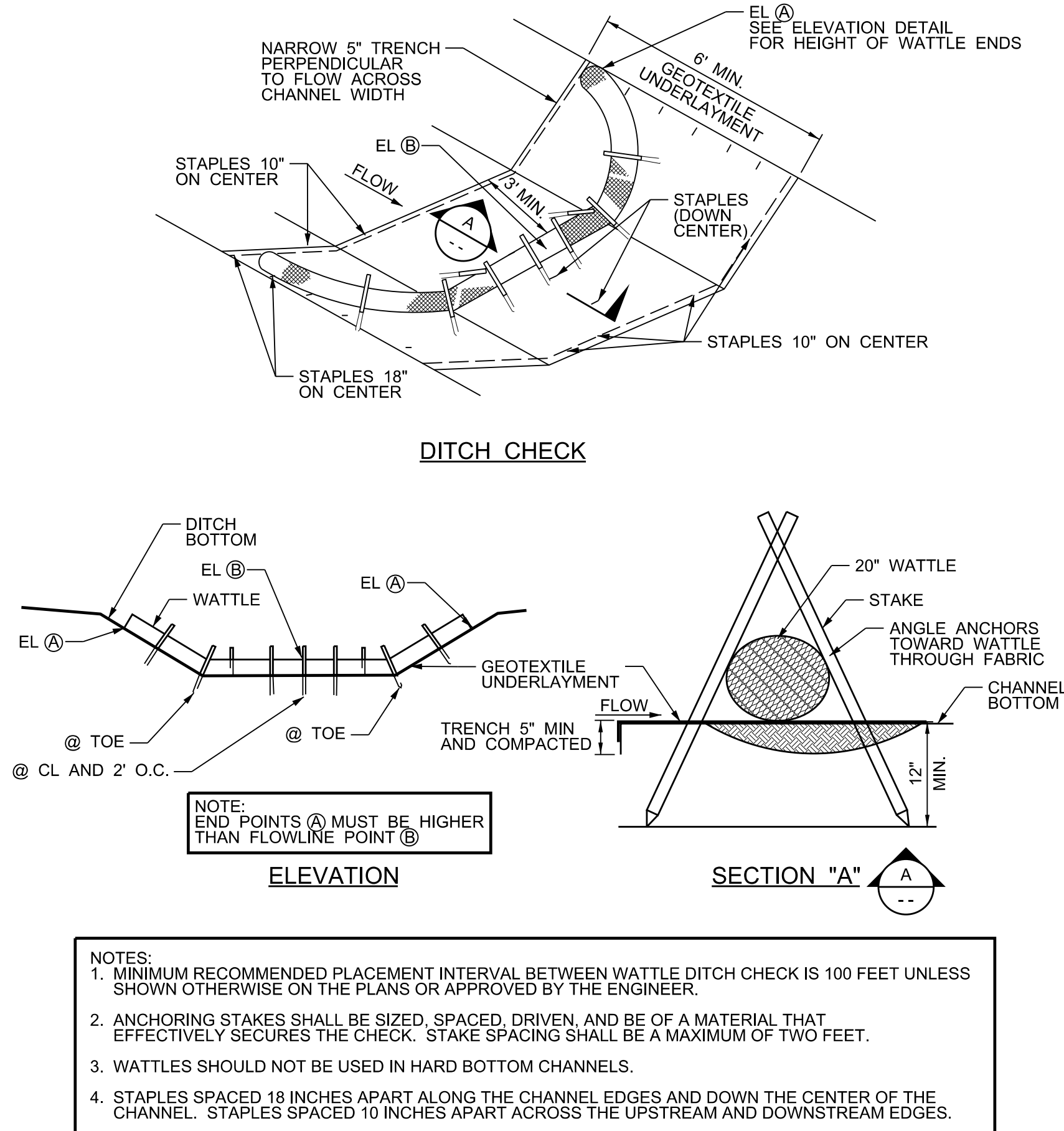
3

DETAIL - RIPRAP DITCH CHECK
SCALE: NONE



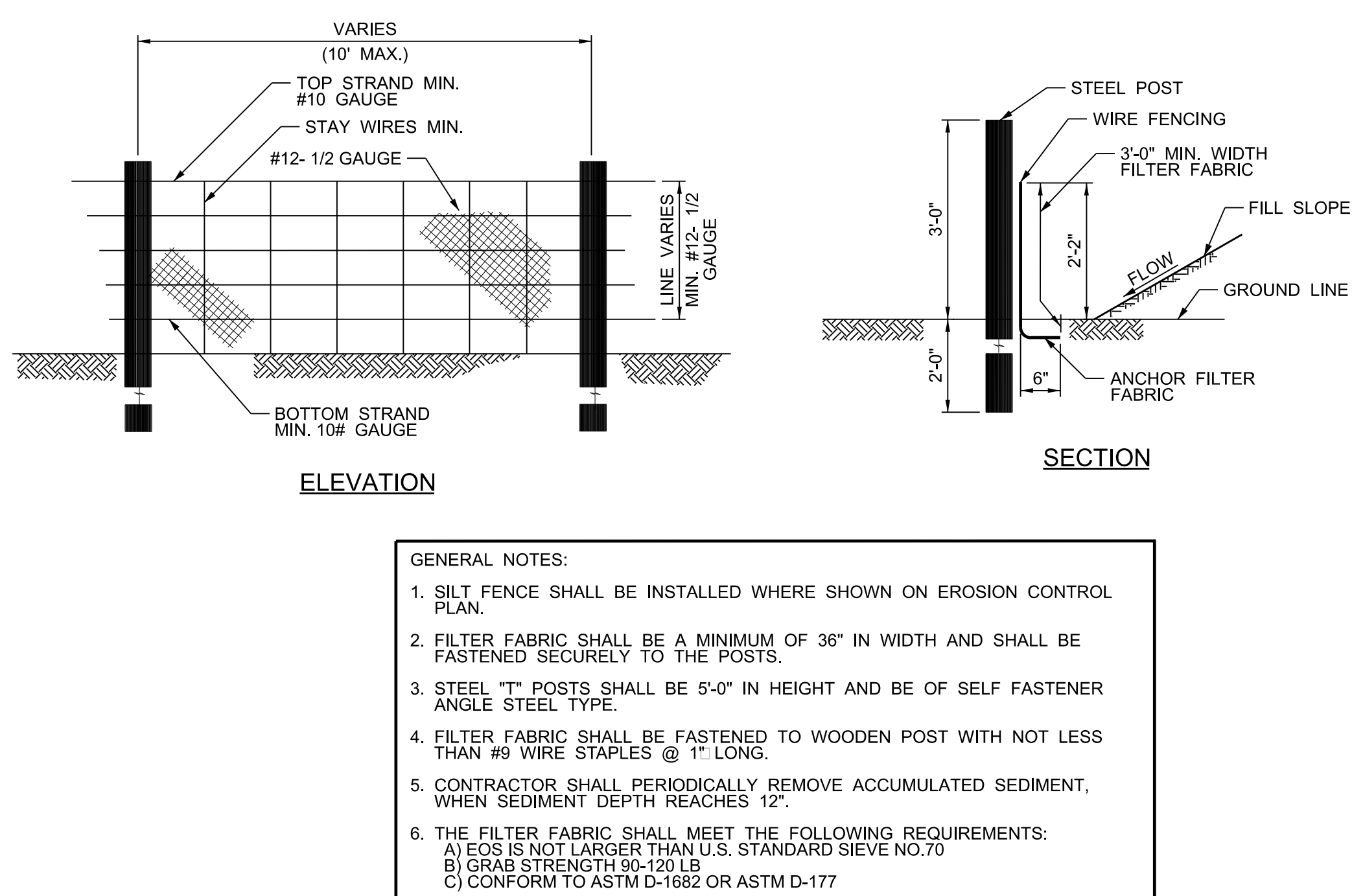
4

DETAIL - WATTLE DITCH CHECK
SCALE: NONE



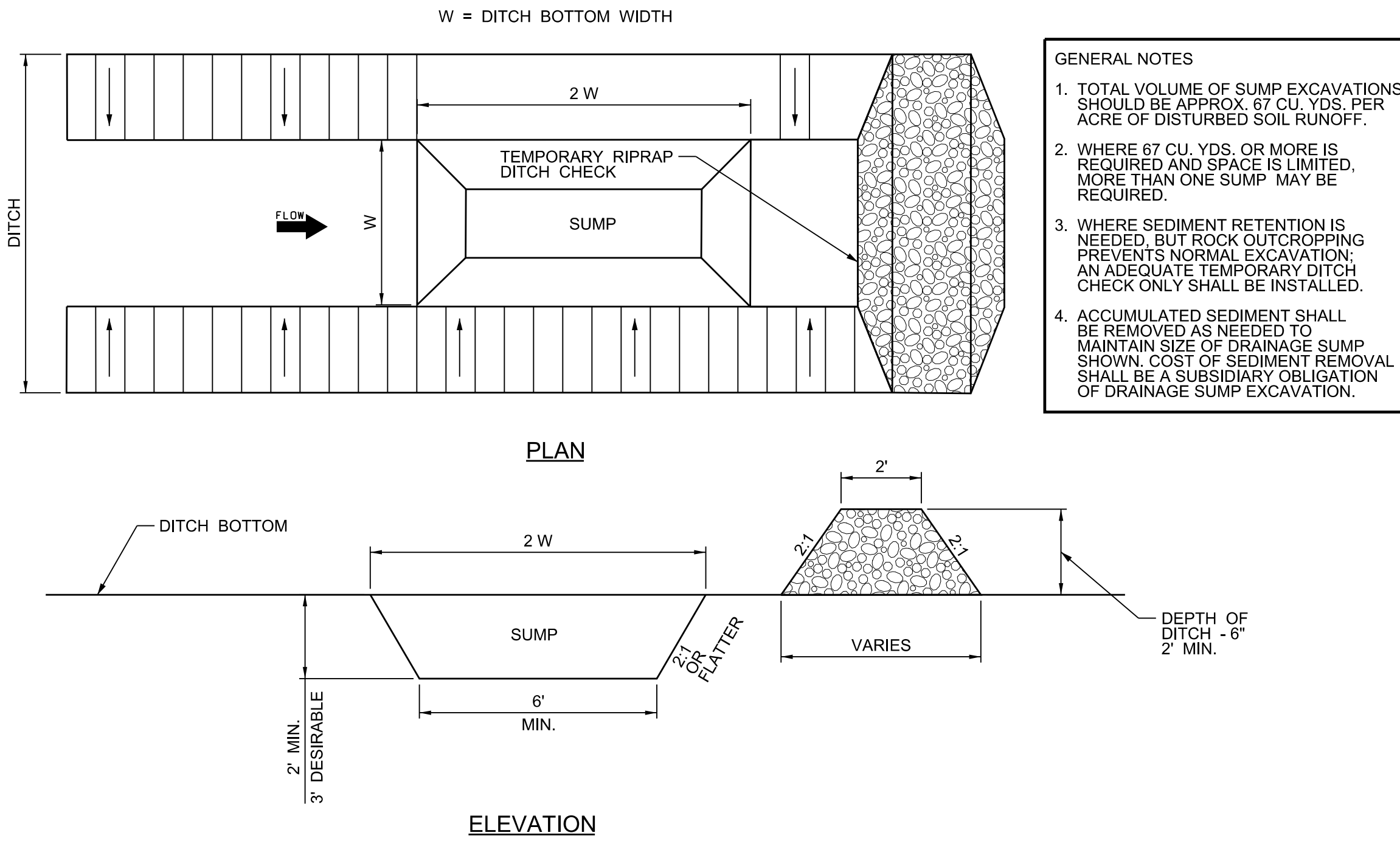
2

DETAIL - SILT FENCE
SCALE: NONE



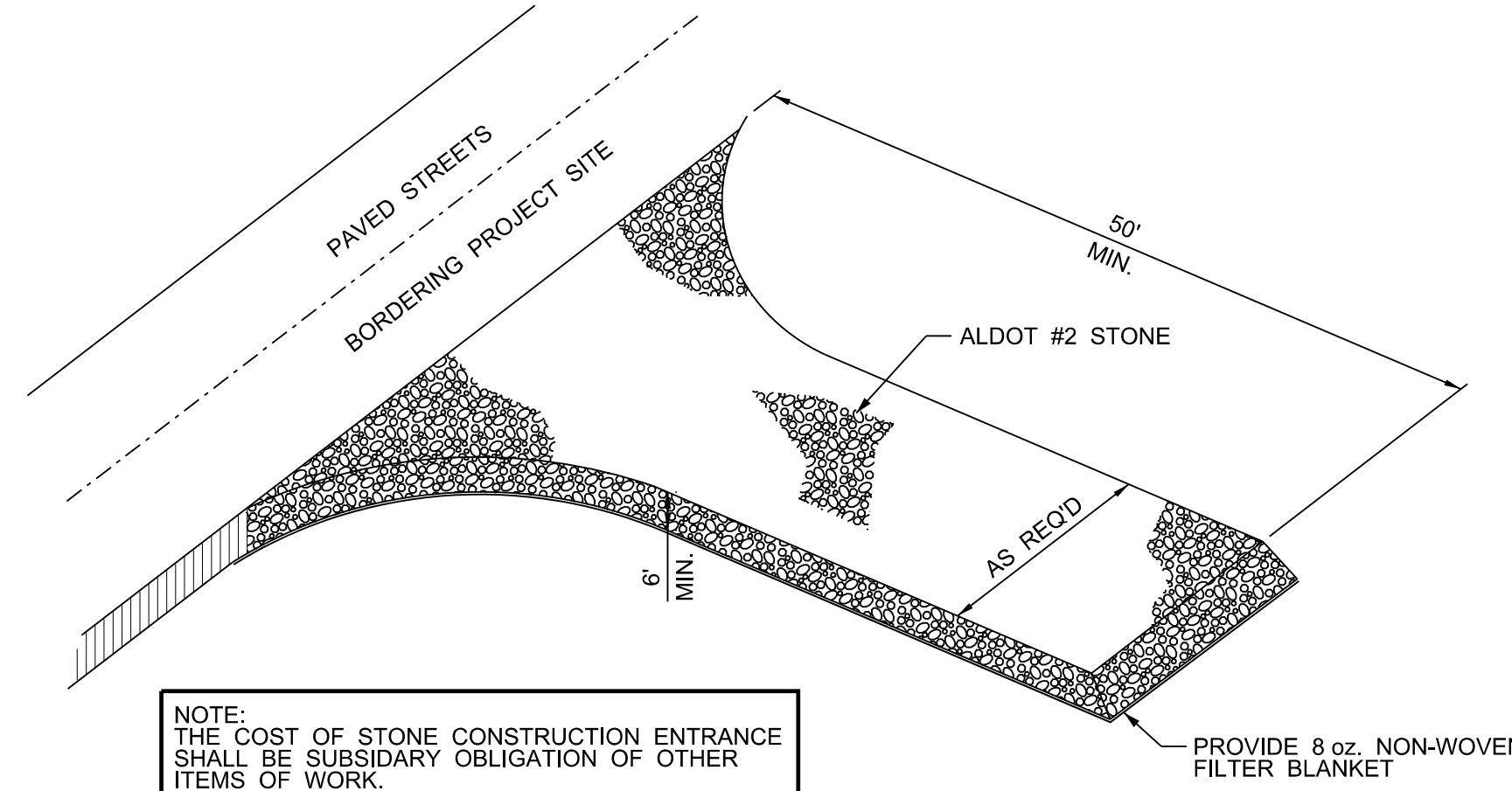
5

DETAIL - DRAINAGE SUMP EXCAVATION
SCALE: NONE



6

DETAIL - CONSTRUCTION ENTRANCE
SCALE: NONE



INSITE ENGINEERING
HOOVER | TUSCALOOSA
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org
CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

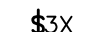
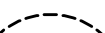
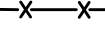
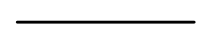
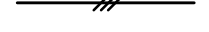
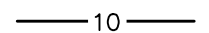
CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA



PROJECT INFO:
INSITE JOB No. 22057.00
PLOTTED: 6/1/26
ISSUED FOR BIDDING
6/1/26
THIS SHEET CONTAINS:
EROSION CONTROL
DETAILS
SCALE: AS NOTED
SHEET 8 OF 14
DT-1

THESE DOCUMENTS ARE THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM INSITE ENGINEERING, LLC. COPYRIGHT © 2024, INSITE ENGINEERING, LLC

GENERAL ELECTRICAL LEGEND

NORMAL	EMERGENCY	
		FIXTURE OUTLET – LINEAR – SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.
		FIXTURE OUTLET – WALL MOUNTED LIGHT FIXTURE.
FIXTURE OUTLET DESIGNATIONS:		
A FIXTURE TYPE "A" – MAY BE USED WITH OTHER TYPES.		
b SWITCH LEG TO WHICH FIXTURE IS CONNECTED – MAY BE USED WITH OTHER LOWER–CASE LETTERS.		
2 CIRCUIT NUMBER – MAY BE USED WITH OTHER NUMBERS.		
	SWITCH OUTLET – S.P.S.T. – 20A – 120–277VAC.	
	SWITCH OUTLET – CONTROLS OUTLET "o", ETC.	
	SWITCH OUTLET – MANUAL MOTOR STARTER – TOGGLE TYPE – 3 POLE – SQUARE "D" TYPE K02 WITH ENCLOSURE AS REQUIRED BY APPLICATION – PROVIDE LOCK–OFF HARDWARE.	
	PHOTOELECTRIC CONTROL – S.P.S.T. – 120VAC OR 277VAC – 2000W – TORK 2101 FOR 120V CIRCUITS & TORK 2104 FOR 277V CIRCUITS – MOUNT UNDER SOFFIT OR ON ROOF FACING NORTH.	
	DOUBLE DUPLX	
		WALL OUTLET – RECEPTACLE – 20A – 125V – 2P – 3W – GROUNDING – "GFI" TYPE – WEATHER RESISTANT – NEMA 5–20R – SINGLE PLATE.
OUTLET DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):		
W WEATHER PROOF – OUTLET SHALL BE INSTALLED WITH WEATHERPROOF, IN–USE, CAST COVER.		
	FLOOR OR SURFACE–MOUNTED OUTLET – JUNCTION BOX.	
	BRANCH/FEEDER CIRCUIT – CONCEALED IN WALLS OR CEILING.	
	BRANCH/FEEDER CIRCUIT – EXPOSED ON WALLS OR CEILING.	
	BRANCH/FEEDER CIRCUIT – CONCEALED IN FLOOR SLAB OR DIRT FILL.	
	BRANCH/FEEDER CIRCUIT – OVERHEAD BETWEEN POLES.	
	OHP-- OVERHEAD PRIMARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).	
	OHS-- OVERHEAD SECONDARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).	
	POWER/TELECOMMUNICATIONS POLE WITH GUYING AS REQUIRED.	
	BRANCH/FEEDER CIRCUIT – TO BE DEMOLISHED – MAY BE USED WITH OTHER LINE TYPES.	
	BRANCH/FEEDER CIRCUIT – HOMERUN – CAN BE USED WITH OTHER BRANCH/FEEDER TYPES.	
BRANCH/FEEDER CIRCUIT MODIFIERS:		
	: 2#12 & 1#12G UNLESS NOTED OTHERWISE.	
	: 3#12 & 1#12G, ETC. UNLESS NOTED OTHERWISE (TICK MARKS INDICATE CONDUCTOR QUANTITY NOT INCLUDING GROUND WIRE).	
	: 2#10 & 1#10G UNLESS NOTED OTHERWISE (NUMBER INDICATES WIRE AWG).	
SIZE CONDUIT PER N.E.C. UNLESS INDICATED OTHERWISE.		
	FLEXIBLE CONNECTION TO EQUIPMENT.	
	BRANCH CIRCUIT – RISER DOWN OR GENERAL CONDUIT STUB–OUT.	
	POWER DISTRIBUTION EQUIPMENT.	
	LIGHTING PANEL – SURFACE MOUNTED.	
	TRANSFORMER – POWER.	
	DISCONNECT SWITCH – NONFUSED.	
	DISCONNECT SWITCH – FUSED.	
	MOTOR OUTLET – SIZE AS SHOWN.	
	PRESSURE TRANSDUCER.	



DETAIL DESIGNATOR – "A" INDICATED DETAIL MARK – "E–1" INDICATED SHEET NUMBER WHERE DETAIL IS LOCATED (TYPICAL).

GENERAL ABBREVIATIONS:

(EX) EXISTING TO REMAIN.

(EX–R) EXISTING TO BE REMOVED – REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING CONNECTIONS TO OTHER ELECTRICAL ITEMS.

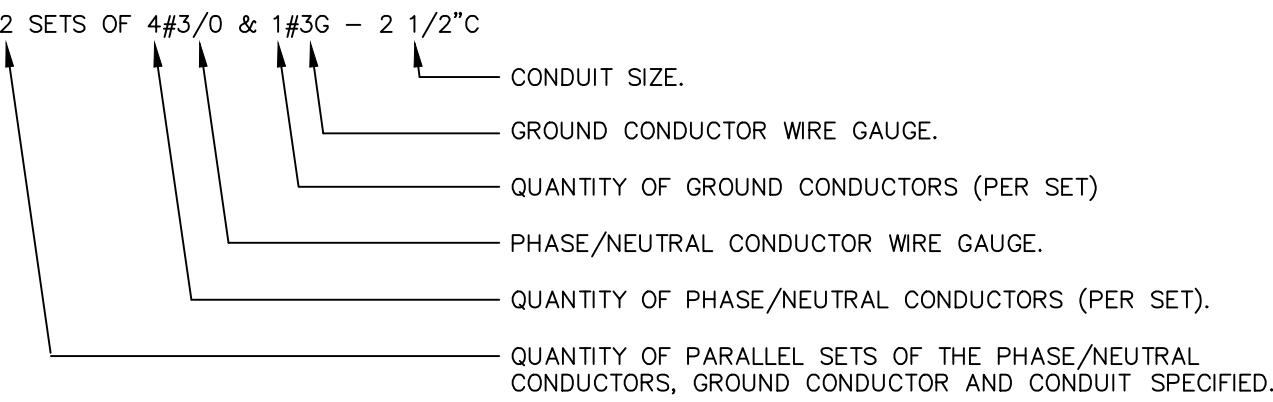
(EX–RL) EXISTING TO BE RELOCATED – REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING AT EXISTING LOCATION. RELOCATE ITEM TO NEW LOCATION SHOWN ON ELECTRICAL PLANS.

(EX–RP) EXISTING TO BE REPLACED – EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO REPLACED ITEM.

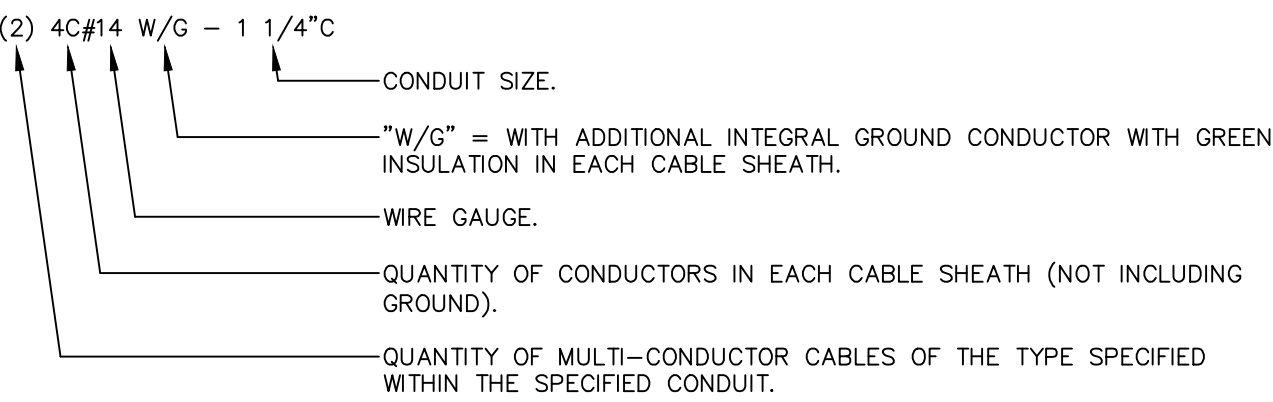
ELECTRICAL ABBREVIATIONS:

A	AMPERES.	NSV	NEW, SPARE OR VACATED.
AIC	AMPERES INTERRUPTING CAPACITY.	OC	ON CENTER.
AFF	ABOVE FINISHED FLOOR.	P	POLES.
AL	ALUMINUM.	PF	POWER FACTOR.
ATS	AUTOMATIC TRANSFER SWITCH.	Ø	PHASE.
AWG	AMERICAN WIRE GAUGE.	PVC	POLYVINYL CHLORIDE.
C	CONDUIT.	SLD	SINGLE LINE DIAGRAM.
CU	COPPER.	SS	STAINLESS STEEL.
EC	EMPTY CONDUIT. OR ELECTRICAL CONTRACTOR	UL	UNDERWRITERS LABORATORY.
FPN	FUSE PER NAMEPLATE.	UNO	UNLESS NOTED OTHERWISE.
G	GROUND CONDUCTOR.	V	VOLTS.
KVA	KILOVOLT–AMPERES.	W	WRES.
KW	KILOWATT.		
LV	LOW VOLTAGE.	CFOI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
MCM	THOUSAND CIRCULAR MILS.	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED.
MV	MEDIUM VOLTAGE.	OFOI	OWNER FURNISHED, OWNER INSTALLED.
N	NEUTRAL.	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED.
NEC	NATIONAL ELECTRICAL CODE.		
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION.		
NIC	NOT IN CONTRACT.		

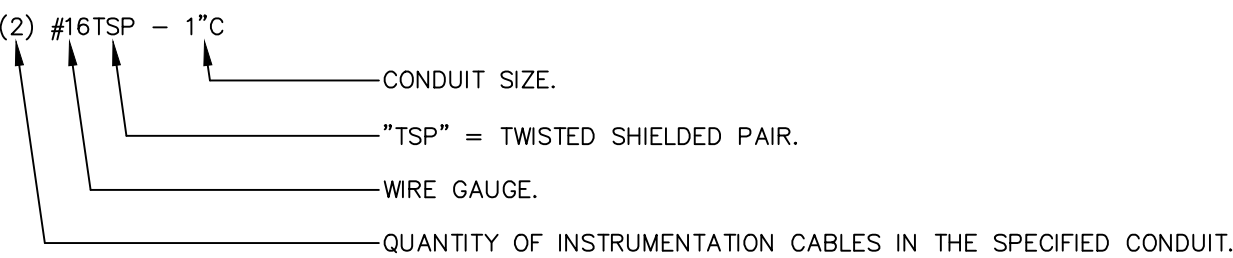
TYPICAL CIRCUITRY DESIGNATIONS:



MULTI–CONDUCTOR CONTROL 600V TRAY CABLE DESIGNATIONS:



TWISTED, SHIELDED INSTRUMENTATION CABLE DESIGNATIONS:



GENERAL ELECTRICAL NOTES

- SPECIAL ATTENTION IS CALLED TO THE FACT THAT THE REQUIRED WORK IS AT OPERATING FACILITIES, AND AS SUCH, NO UNNECESSARY SHUTDOWNS WILL BE ALLOWED. ANY NECESSARY SHUTDOWNS SHALL BE APPROVED IN WRITING BY THE PLANT MANAGER. A MINIMUM OF TWO (2) WEEKS IN ADVANCE. TEMPORARY/PORTABLE PUMPING PROVISIONS (AND OTHER TEMPORARY PROVISIONS AS REQUIRED FOR OPERATION OF THE EXISTING SYSTEMS) SHALL BE PROVIDED BY THE CONTRACTOR IF OWNER–MANDATED MAXIMUM SHUTDOWN PERIODS ARE ANTICIPATED OR ARE POSSIBLE.
- ELECTRICAL PLANS & DETAILS INDICATE TYPICAL WIRING REQUIREMENTS FOR PROCESS EQUIPMENT. VERIFY EXACT WIRING REQUIREMENTS & ALL DEVICE LOCATIONS WITH APPROVED MANUFACTURERS SHOP DRAWINGS PRIOR TO ROUGH–IN. NO ADDITIONAL COMPENSATION WILL BE PAID FOR MINOR CIRCUITRY ADJUSTMENTS REQUIRED TO COMPLY WITH MANUFACTURERS INSTALLATION DETAILS.
- CONTRACTOR SHALL VISIT THE SITE(S) OF THE WORK PRIOR TO SUBMITTING BID TO EXAMINE CAREFULLY LOCAL CONDITIONS AND DIFFICULTIES TO BE ENCOUNTERED. ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ENGINEER.
- ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.
- REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND WIRING MADE OBSOLETE BY THIS RENOVATION AND DISPOSE OF AS DIRECTED BY THE ENGINEER.
- THIS CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR NECESSARY TO EXTEND CIRCUITS AND MAKE RECONNECTIONS TO ANY ACTIVE ELECTRICAL DEVICES ON WHICH THE BRANCH CIRCUIT IS INTERRUPTED BY THIS ALTERATION. CARE SHALL BE TAKEN TO INSURE THAT EXISTING PANEL AND FEEDER RATINGS ARE NOT EXCEEDED.
- WET OR PROCESS AREAS (FOR USE IN DETERMINING TYPES OF MATERIALS REQUIRED PER ELECTRICAL SPECIFICATIONS) SHALL BE DEFINED AS ALL AREAS WITHIN THE PROJECT SCOPE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING IDENTIFICATION/LABELING FOR ALL (NEW OR EXISTING) INSTRUMENTS, UTILIZATION EQUIPMENT (PUMPS, ETC.), CONTROL DEVICES, CONTROL PANELS, STARTERS, POWER PANELS, ETC. (REGARDLESS OF WHICH ENTITY PROVIDES THE EQUIPMENT) PER DETAILED REQUIREMENTS OF SPECIFICATION SECTION 26 05 53.
- CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR POWER SERVICE WITH UTILITY COMPANY PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ENGINEER IMMEDIATELY. ALL COSTS INCURRED WITH THE UTILITY COMPANY FOR SERVICE SHALL BE INCLUDED IN BID PRICE. IF SUCH COSTS ARE NOT AVAILABLE AT BID TIME CONTRACTOR SHALL INCLUDE WITH BID A LETTER FROM A RESPONSIBLE PARTY WITH THE UTILITY COMPANY STATING SUCH, AND COSTS WILL THEN BE EXCLUDED FROM THE BID PRICE.

LIGHTING FIXTURE SCHEDULE									
MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A	LITHONIA COLUMBIA DAY-BRITE	FEM-L48-6000-LM-IMAF-LWD-40K-80CRI	120	37.8	5,651	LED	CEILING	SURFACE	
AE	LITHONIA COLUMBIA DAY-BRITE	FEM-L48-6000-LM-IMAF-LWD-40K-80CRI-EM10MCP	120	37.8	5,651	LED	CEILING	SURFACE	EM
W	LITHONIA COLUMBIA DAY-BRITE	DSXW1-LEC-10C-350-40K-T3S-120-DDBXD	120	13	1,503	LED	ABOVE DOOR	OUTLET BOX	FSCE
LIGHTING FIXTURE SCHEDULE GENERAL NOTES: 1. ALL LAMPS SHALL BE 4000K WITH A MINIMUM CRI OF 80 UNLESS NOTED OTHERWISE. 2. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES. 3. ALL FIXTURES AND BALLASTS/DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS. 4. TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN ONE–HUNDRED & FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON–COMPLIANCE WITH THIS REQUIREMENT.									
LIGHTING FIXTURE SCHEDULE KEYED NOTES: EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 LUMENS. FSCE PROVIDE FINISH AS SELECTED BY CIVIL ENGINEER.									



JACKSON,
RENFRO
& ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
11 INVERNESS CENTER PARK • SUITE 300 • BIRMINGHAM, AL 35242

PHILIP D. BLACK, PE
phil@jaee.com
(205) 536-7120
(205) 955-1078
JRA JOB NO. 223241
ELECTRICAL ENGINEERING & DESIGN
4/17/2026



HOOVER | TUSCALOOSA
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA



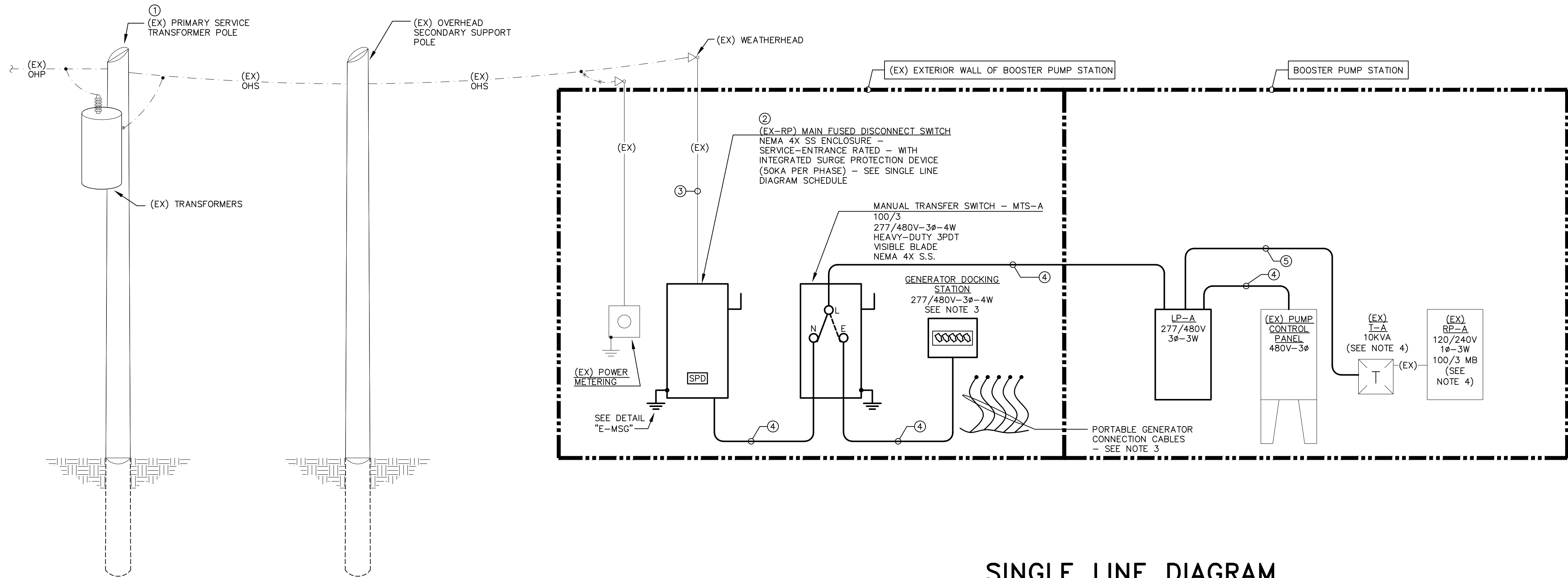
PROJECT INFO:

INSITE JOB No. 22057.00
PLOTTED: 4/17/2026
ISSUED FOR BIDDING

ALABAMA
LICENSED
No. 27420
PROFESSIONAL
PHILIP D. BLACK
4/17/2026

THIS SHEET CONTAINS:
ELECTRICAL LEGEND,
NOTES & FIXTURE
SCHEDULE

THESE DOCUMENTS ARE THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM INSITE ENGINEERING, LLC. COPYRIGHT © 2024, INSITE ENGINEERING, LLC.



SINGLE LINE DIAGRAM

SCALE : NONE

PANELBOARD SCHEDULE - LP-A										
PANEL TYPE: SQUARE 'D' TYPE NF					AIC RATING: 22KA(MINIMUM)					
VOLTAGE: 277/480V-3P-4W					MOUNTING: SURFACE					
AMPS & TYPE: 100/3 MAIN BKR					LOCATION: INTERIOR					
FED FROM: MTS-A					FEEDER: SEE SINGLE LINE DIAGRAM					
CKT NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	100/3	PUMP CONTROL PANEL	14,400	A	3,000	RP-A(10KVA TRANSFORMER)	40/2	-	2
3	-		SEE SINGLE LINE DIAGRAM	14,400	B	3,000	SEE SINGLE LINE DIAGRAM		-	4
5	-			14,400	C			20/1	-	6
7	-	20/1			A			20/1	-	8
9	-	20/1			B			20/1	-	10
11	-	20/1			C			20/1	-	12
13	-	20/1			A			20/1	-	14
15	-	20/1			B			20/1	-	16
17	-	20/1			C			20/1	-	18
NOTES:					PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:		49.2 KVA
1. PROVIDE INTEGRAL 240KA (PER PHASE) SURGE PROTECTION DEVICE.				17,400	17,400	14,400				61.5 AMPS
							TOTAL DEMAND LOAD:		49.2 KVA	
									61.5 AMPS	
							TOTAL COMPUTED LOAD:		49.2 KVA	
									61.5 AMPS	

SINGLE LINE DIAGRAM NOTES

- REFER TO PANELBOARD SCHEDULES FOR ALL APPLICABLE RATINGS NOT SHOWN ON THIS DIAGRAM.
- NEUTRAL-GROUND BONDS SHALL ONLY BE MADE AT THE FOLLOWING LOCATIONS:
A. MAIN FUSED DISCONNECT SWITCH.
B. SECONDARY SIDES OF ALL TRANSFORMERS.
- GENERATOR DOCKING STATION SHALL BE ESL POWER SYSTEMS TEMPTAP W/ BREAKER (SERIES 4600) RATED FOR 100A-277/480V-3P-4W WITH 100/3 BREAKER, MALE CAM CONNECTORS, & RED PILOT LIGHT WITHIN NEMA 4X 304 STAINLESS STEEL BOX - PROVIDE RED NAMEPLATE WITH WHITE LETTERING ON INNER DEADFRONT DOOR TO READ: "CAUTION! - 277/480V-3P-4W - VERIFY GENERATOR CONFIGURATION PRIOR TO CONNECTION - DAMAGE TO SYSTEM COULD OCCUR IF CONNECTED INCORRECTLY" - VERIFY ALL OTHER REQUIREMENTS AND MODEL NUMBERS WITH OWNER PRIOR TO ORDERING TO ENSURE COMPATIBILITY WITH OWNER'S EXISTING PORTABLE GENERATOR SYSTEM(S). NO SUBSTITUTIONS FROM OWNER'S STANDARDS WILL BE ALLOWED. ALSO PROVIDE ONE (1) SET OF THE FOLLOWING PORTABLE GENERATOR CONNECTION CABLES FOR OWNERS USE:
A. 50' TYPE #2/0 BLACK DLO CABLE (UL-LISTED RHH/RHW-2 600V, RATED FOR 90°C AND WET LOCATIONS) WITH 100A BROWN FEMALE CAM CONNECTOR ON ONE END AND NO CONNECTOR ON OTHER END.
B. 50' TYPE #2/0 BLACK DLO CABLE (UL-LISTED RHH/RHW-2 600V, RATED FOR 90°C AND WET LOCATIONS) WITH 100A ORANGE FEMALE CAM CONNECTOR ON ONE END AND NO CONNECTOR ON OTHER END.
C. 50' TYPE #2/0 BLACK DLO CABLE (UL-LISTED RHH/RHW-2 600V, RATED FOR 90°C AND WET LOCATIONS) WITH 100A YELLOW FEMALE CAM CONNECTOR ON ONE END AND NO CONNECTOR ON OTHER END.
D. 50' TYPE #2/0 BLACK DLO CABLE (UL-LISTED RHH/RHW-2 600V, RATED FOR 90°C AND WET LOCATIONS) WITH 100A WHITE FEMALE CAM CONNECTOR ON ONE END AND NO CONNECTOR ON OTHER END.
E. 50' TYPE #2/0 BLACK DLO CABLE (UL-LISTED RHH/RHW-2 600V, RATED FOR 90°C AND WET LOCATIONS) WITH 100A GREEN FEMALE CAM CONNECTOR ON ONE END AND NO CONNECTOR ON OTHER END.
- PROVIDE NEW ENGRAVED MASTER NAMEPLATES FOR ALL NEW AND EXISTING DISTRIBUTION EQUIPMENT (PANELS, TRANSFORMERS, DISCONNECTS, TRANSFER SWITCHES, ETC.) PER DETAIL "E-EDL".

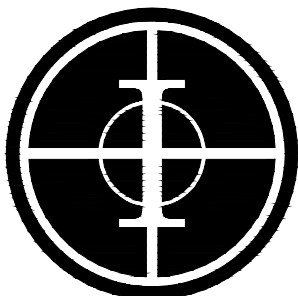
SINGLE LINE DIAGRAM SCHEDULE

PUMP STATION	① SERVICE	② MAIN FUSED DISCONNECT SWITCH			CONDUCTORS		
		(AMPS/POLES)	(INT. RATING)	(FUSE SIZE/TYPE)	③ (EX) SERVICE CONDUCTORS	④ MAIN FEEDER CONDUCTORS	⑤ FEEDER TO TRANSFORMER
	VOLTAGE						T-A
BERRY MOUNTAIN BPS	277/480V-3P-4W	100/3	22KAIC	100A/RK1	(EX) 4#3 - 1 1/4" C	4#3 & 1#8G - 1 1/2" C	2#8 & 1#10G - 1" C



JACKSON,
RENFRO
& ASSOCIATES, INC.

PHILIP D. BLACK, PE
phil@jaee.com
(205) 536-7120
(205) 595-1078
IRA JOB NO. 223241
ELECTRICAL ENGINEERING DESIGN
31 INVERNESS CENTER POINT • SUITE 300 • BIRMINGHAM, AL 35242



**INSITE
ENGINEERING**

HOOVER | TUSCALOOSA

5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:

BERRY MOUNTAIN BOOSTER PUMP STATION REHABILITATION

ONEONTA, ALABAMA

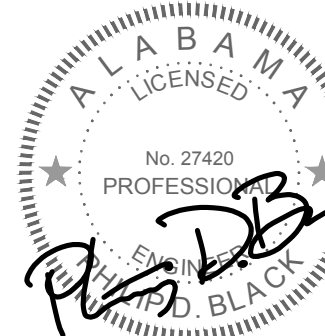


PROJECT INFO:

INSITE JOB No. 22057.00

PLOTTED: 4/17/2026

ISSUED FOR BIDDING



THIS SHEET CONTAINS:

SINGLE LINE DIAGRAM
AND ELECTRICAL
SCHEDULES

SHEET 10 OF 14

GNE-2

THESE PLANS AND THE DESIGN THEREON ARE THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THESE PLANS OR DESIGN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INSITE ENGINEERING, LLC. COPYRIGHT © 2024, INSITE ENGINEERING, LLC.

(EX) TRANSFORMER POLE
(APPROXIMATE LOCATION)

(EX) OHP

(EX) OHS

(EX) OHP

BLOUNT COUNTY HIGHWAY 57

(EX) UTILITY POLE

(EX) OHS

BOOSTER
PUMP STATION

PSE-*

OVERALL SITE
ELECTRICAL PLAN

SCALE : 1" = 5'-0"



JACKSON,
RENFRO
& ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
31 UNIVERSITY CENTER DRIVE • SUITE 300 • BIRMINGHAM, AL 35242

PHILIP D. BLACK, PE
phil@jaee.com
(205) 536-7120
(205) 536-1078
JRA JOB NO. 223241

CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA



PROJECT INFO:
INSITE JOB No. 22057.00
PLOTTED: 4/17/2026
ISSUED FOR BIDDING



THIS SHEET CONTAINS:
OVERALL SITE
ELECTRICAL PLAN

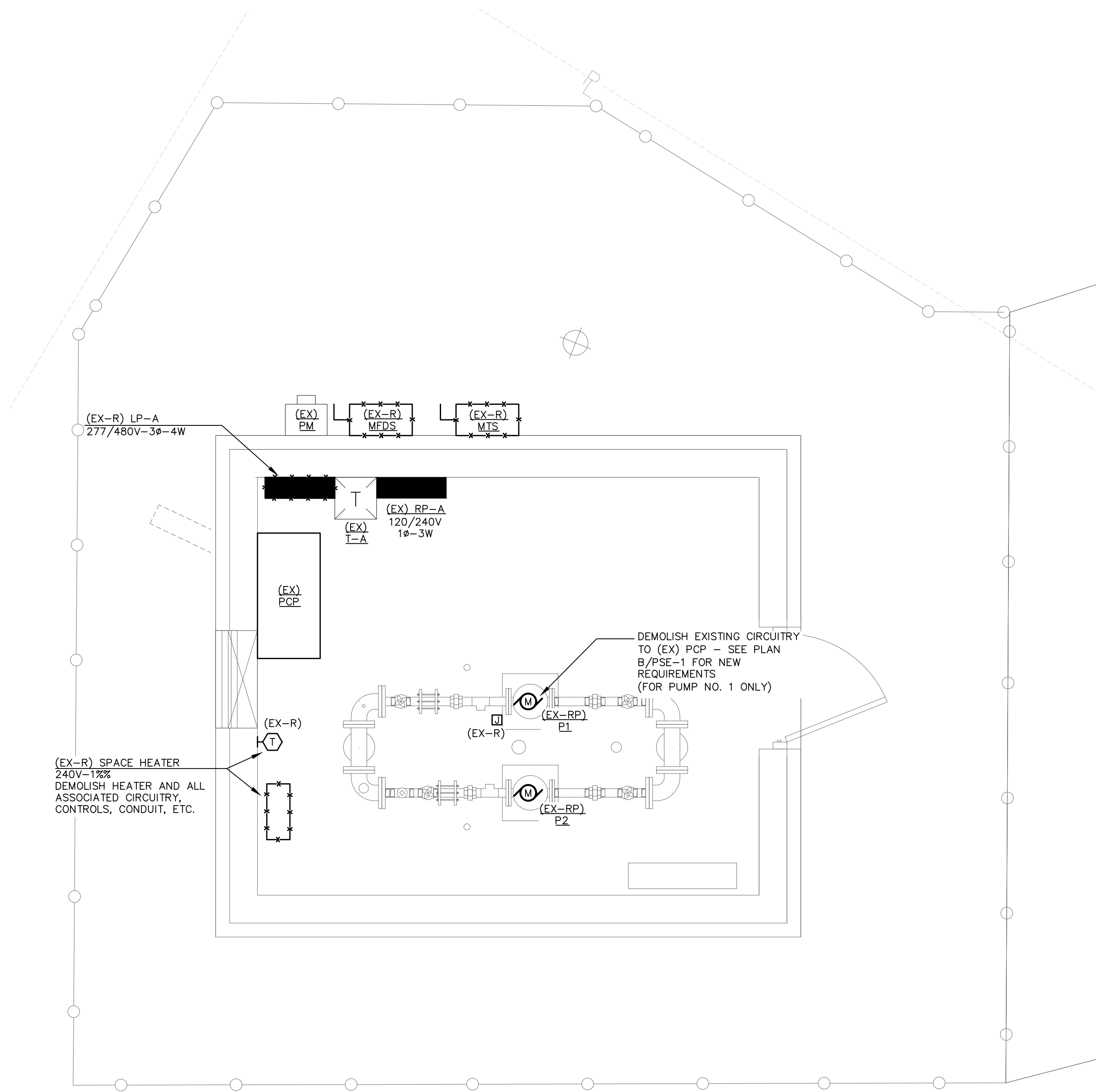
SHEET 11 OF 14

OVE-1

**INSITE
ENGINEERING**

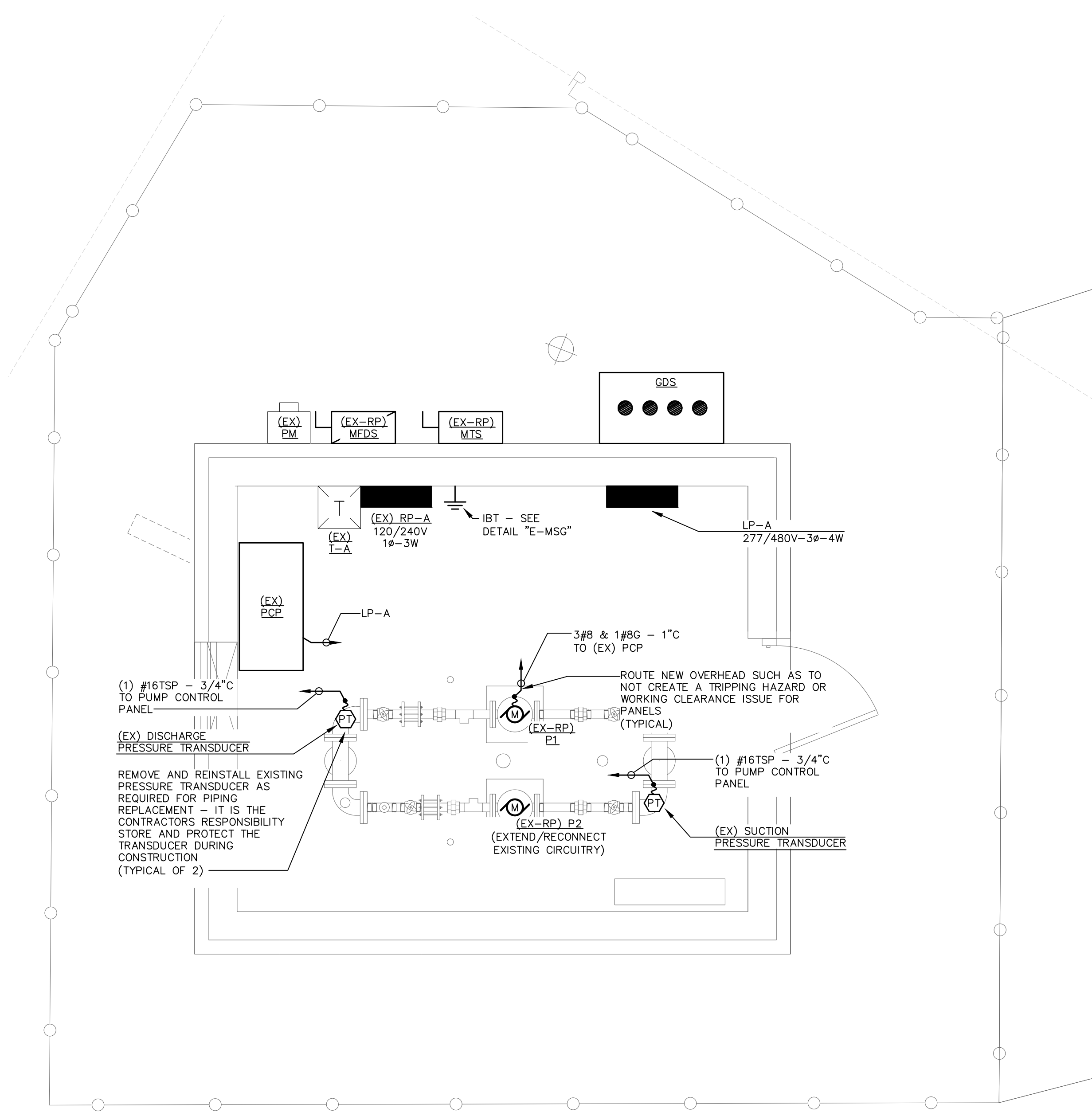
HOOVER | TUSCALOOSA
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL



**BOOSTER PUMP STATION
ELECTRICAL DEMOLITION PLAN**
SCALE : 1/2" = 1'-0"

- ELECTRICAL DEMOLITION NOTES**
1. THE ELECTRICAL DEMOLITION PLANS INDICATE GENERAL SCOPE OF DEMOLITION WORK TO BE ACCOMPLISHED UNDER THIS CONTRACT. IT IS NOT THE INTENT OF THESE PLANS TO DETAIL ALL ELECTRICAL ITEMS THAT MUST BE REMOVED. THE ELECTRICAL CONTRACTOR SHALL REFER TO ALL OTHER PLANS IN THIS SET OF DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO EXTENT AND SCOPE OF DEMOLITION WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. VERIFY ALL REQUIREMENTS AT JOB SITE PRIOR TO BID.
 2. EXISTING SALVAGEABLE MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO OWNER'S DESIGNATED STORAGE FACILITY. ANY MATERIALS REMOVED THAT THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF BY THE CONTRACTOR.
 3. ALL EXISTING FEEDER WIRING MADE OBSOLETE BY THIS PROJECT SHALL BE DEMOLISHED COMPLETELY. SEE ELECTRICAL DEMOLITION NOTE 2.
 4. ALL EXISTING OBSOLETE LIGHTS, RECEPTACLES, UNIT HEATERS, ETC. AND ASSOCIATED CIRCUITRY, SWITCHES, CONDUIT AND WIRING, ETC. SHALL BE DEMOLISHED (WHERE NEW DEVICES ARE SPECIFIED). REPAIR EXISTING WALL FINISHES AS DIRECTED BY CIVIL ENGINEER. SEE OTHER PLANS FOR NEW REQUIREMENTS.



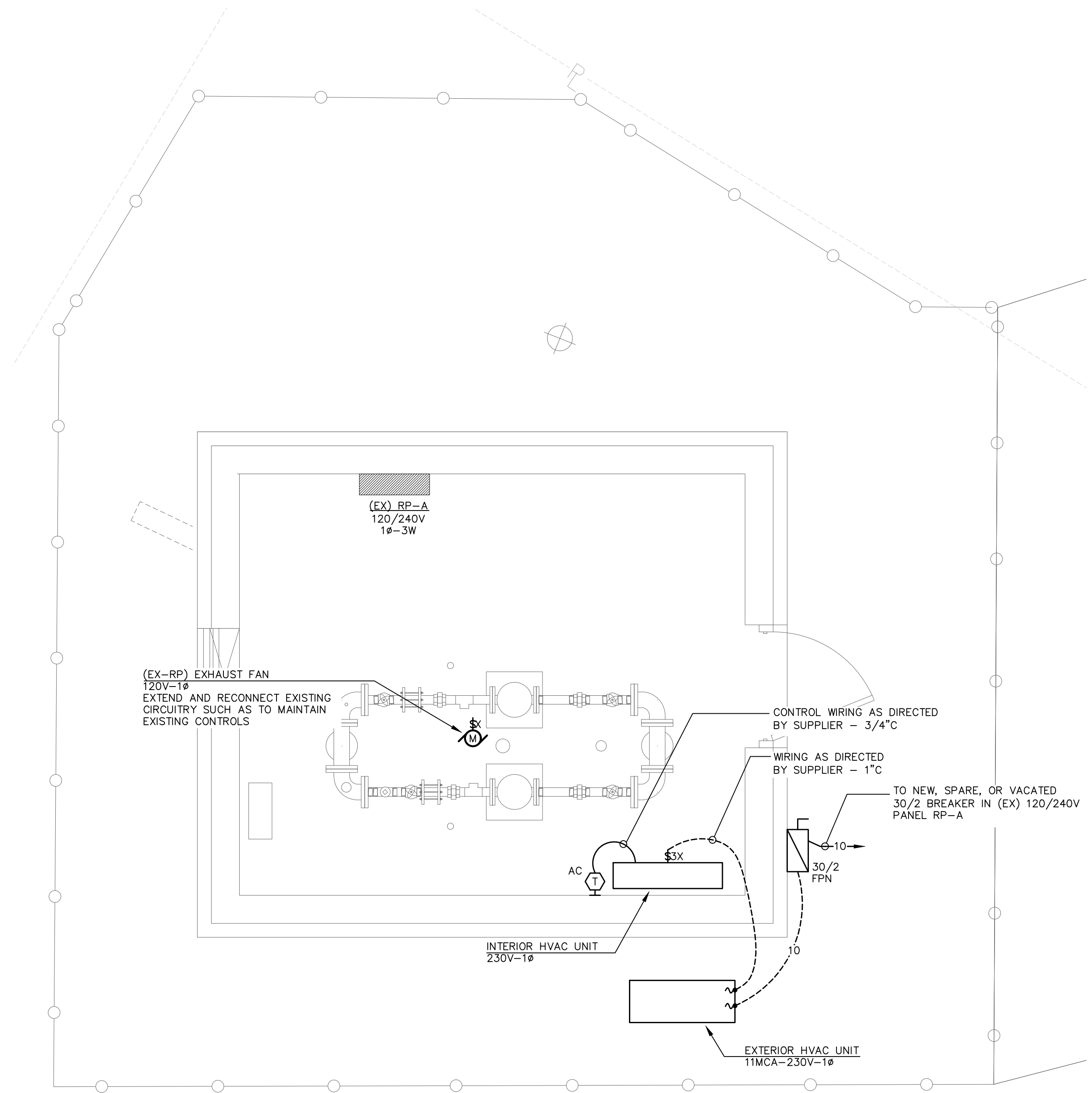
**BOOSTER PUMP STATION
PROCESS ELECTRICAL PLAN**
SCALE : 1/2" = 1'-0"

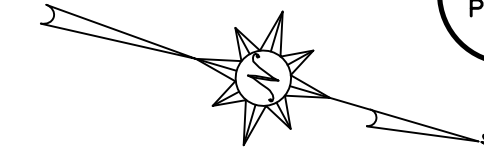
SHEET ABBREVIATION LEGEND	
MFDS	MAIN FUSED DISCONNECT SWITCH - SEE SINGLE LINE DIAGRAM.
PCP	PUMP STATION CONTROL PANEL - 480V-3ø.
GDS	GENERATOR DOCKING STATION - SEE SINGLE LINE DIAGRAM.
PM	POWER METER - SEE SINGLE LINE DIAGRAM.
(EX-RP) P1	BOOSTER PUMP NO. 1 - VERTICAL CENTRIFUGAL - 20HP-480V-3ø.
(EX-RP) P2	BOOSTER PUMP NO. 2 - VERTICAL CENTRIFUGAL - 20HP-480V-3ø.

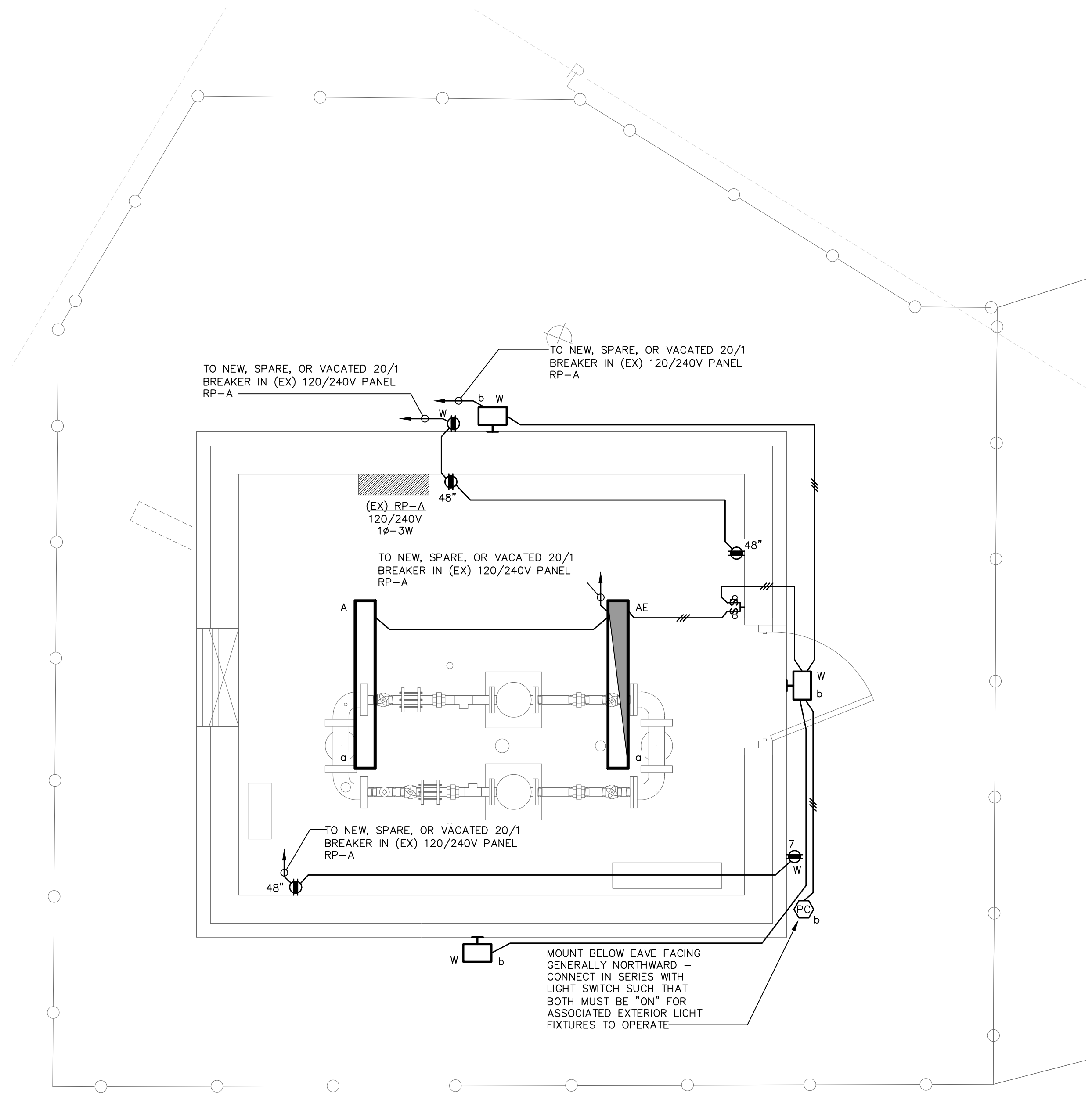


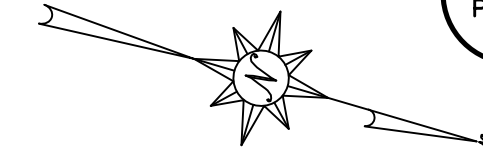
JACKSON,
RENFRO
& ASSOCIATES, INC.
ELECTRICAL ENGINEERING DESIGN
11 INVERNESS CENTER PARK • SUITE 300 • BIRMINGHAM, AL 35242

PHILIP D. BLACK, P.E.
phil@jaee.com
(205) 536-7120
(205) 595-1078
IRA JOB NO. 223241
ELECTRICAL ENGINEERING DESIGN




**BOOSTER PUMP STATION
HVAC ELECTRICAL PLAN**
SCALE : 1/2" = 1'-0"




**BOOSTER PUMP STATION
LIGHTING AND
RECEPTACLE PLAN**
SCALE : 1/2" = 1'-0"

THESE PLANS ARE THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THESE PLANS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INSITE ENGINEERING, LLC. COPYRIGHT © 2024, INSITE ENGINEERING, LLC.



JACKSON,
RENFRO
& ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
31 INVERNESS CENTER DRIVE • SUITE 300 • BIRMINGHAM, AL 35242

PHILIP D. BLACK, PE
phil@jaee.com
(205) 536-7120
(205) 536-1078
JRA JOB NO. 223241
4/17/2026



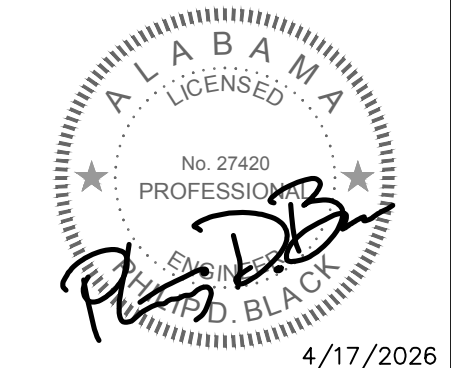
HOOVER | TUSCALOOSA
5800 FELDSPAR WAY
HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
www.insiteengineering.org

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:
**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**
ONEONTA, ALABAMA



PROJECT INFO:
INSITE JOB No. 22057.00
PLOTTED: 4/17/2026
ISSUED FOR BIDDING



THIS SHEET CONTAINS:
**BOOSTER PUMP
STATION ELECTRICAL
PLANS**

SHEET 13 OF 14

PSE-2



NAME: RP-A
RATING: 120/208V-3ø-4W
FED FROM: PP-A CIR. 4
(IN MAIN ELEC. ROOM)

SCALE : NONE

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

CONSTRUCTION PLANS FOR:

**BERRY MOUNTAIN
BOOSTER PUMP STATION
REHABILITATION**

ONEONTA, ALABAMA



A circular professional engineer seal for the state of Alabama. The outer ring contains the word "ALABAMA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSED" is at the top and "No. 27420" is in the center. The seal is signed with "P. S. Black" in cursive. The text "P. S. BLACK" is also printed in a bold, sans-serif font at the bottom of the seal.

DTE-1



PHILIP D. BLACK, PE
phil@jraee.com
(D) 205.536.7120
(P) 205.995.1078
JRA JOB NO. 223241
RING & DESIGN
• BIRMINGHAM, AL • 35242