BULL CREEK WTP SLUDGE DEWATERING FACILITY

HORRY COUNTY, SOUTH CAROLINA



RECORD DRAWING

MARCH 2020

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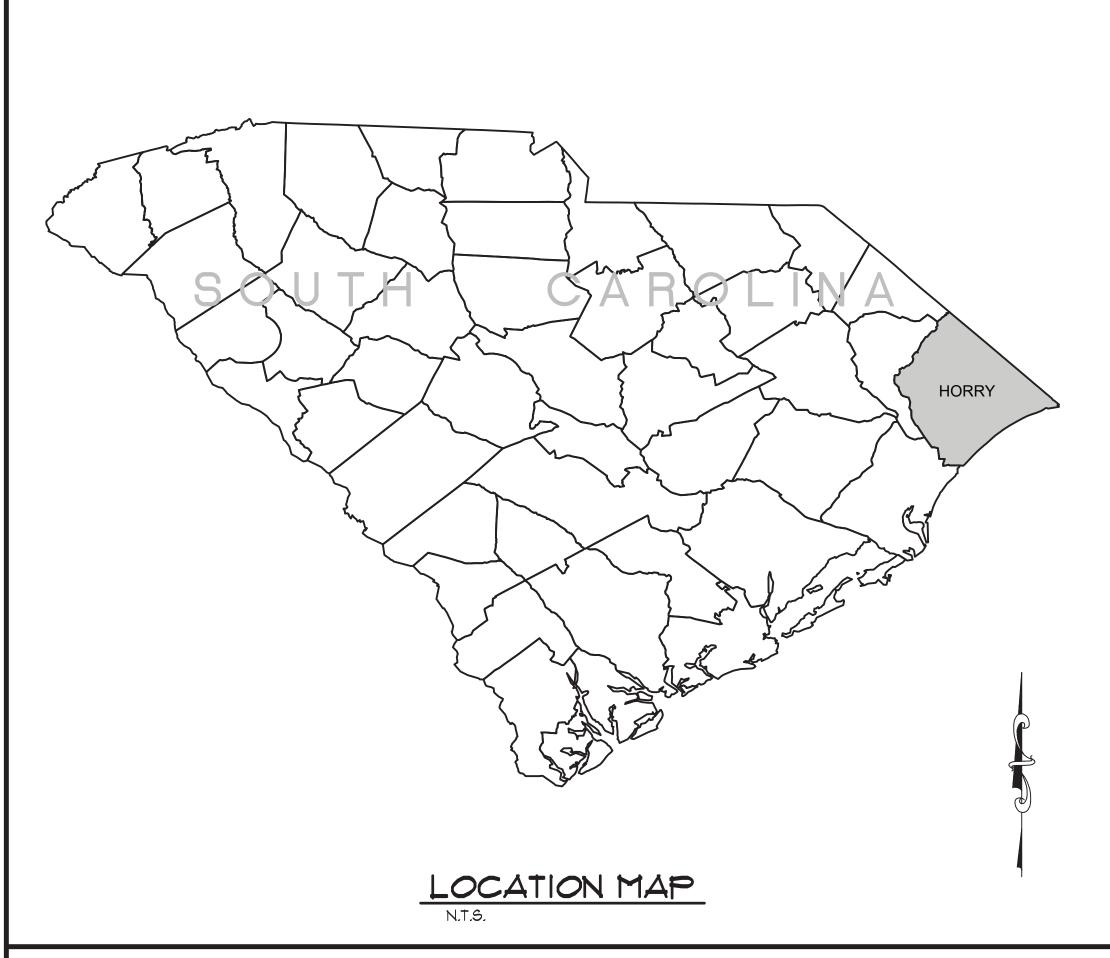
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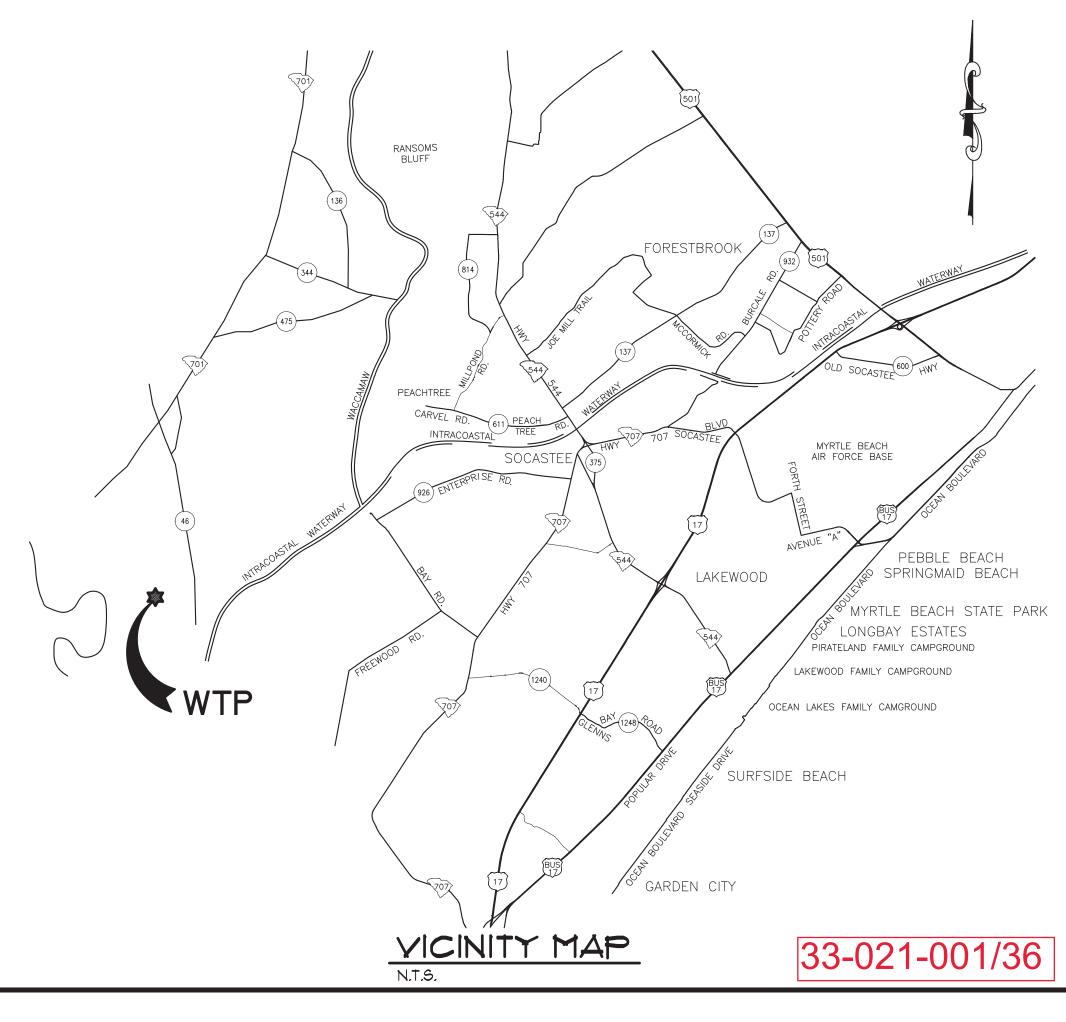
Version: 2

JOB NO. 317010

11x17 DWGS. ARE TRUE HALF SCALE

AS-BUILT





EXISTING SITE PLAN PROPOSED SITE PLAN

SITE DEMOLITION PLAN

SITE MODIFICATION PLAN

MISCELLANEOUS DETAILS

MISCELLANEOUS DETAILS

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SLUDGE BUILDING DETAILS

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SLUDGE BUILDING LIGHTING PLAN

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ELECTRICAL DETAILS

SLUDGE BUILDING HVAC PLAN

THIS UPO INFO PRO NOT DRA HAV REL OBT



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SECTION/DETAIL LEGEND

GENERAL CONSTRUCTION ABBREVIATIONS

INFLUENT

INVERT

POUND

LOW POINT

MATERIAL

MASONRY

MAXIMUM

MANHOLE

MOUNTING

MECHANICAL

MANUFACTURER

NOT TO SCALE

ON CENTER

OPENING

OXIDATION

PLAIN END

PEDESTAL

PROJECTION

P.V.C. POLYVINYL CHLORIDE

REDUCER

SCHEDULE

SHEET

SIMILAR

SPACES

SQUARE

STEEL

TOP OF

THRD THREAD(S)(ED)

TYPICAL

VERTICAL

WITH

WITHOUT

WATER LEVEL

TRICK TRICKLING

TCJ,CJ TYP. CONTROL JOINT

STANDARD

STAINLESS

SLAB WIDTH

SIDE WALL DEPTH

CONSTRUCTION JOINT

U.O.N. UNLESS OTHERWISE NOTED

WELDED WIRE FABRIC

WASTE ACTIVATED SLUDGE

REFERENCE

STAINLESS STEEL

RETURN ACTIVATED SLUDGE

REINFORCING OR REINFORCED

NONPOTABLE WATER

OUTSIDE TO OUTSIDE

LONG

LONG LEG OUT

MECHANICAL JOINT

NUMBER OR POUND

LESS THAN OR EQUAL TO

ABOVE FINISHED FLOOR

BENCH MARK OR BEAM

ALUMINUM OR ALUM

CENTER TO CENTER

CIRCUMFERENCE

APPROXIMATE(LY)

ARCHITECTURAL

BLOCK WALL

CAST IRON

CAPACITY

CLEARANCE

CENTERLINE

CHLORINE

CLARIFIER

CHEMICAL

COLUMN

CONCRETE

CONSTRUCTION

CONTINUOUS

COPPER

DIAMETER DIAMETER

DISCHARGE

DEEP

DOWELS EACH FACE

EFFLUENT

EQUAL

ELEVATION ELEVATION

EQUIPMENT

EXPANSION

FIBERGLASS

FIGURE

FINISHED

FLANGE

FOOTING

GALVANIZED

HARDWARE

HORIZONTAL

HIGH POINT

INSIDE DIAMETER

OUTSIDE DIAMETER

HYDRANT

FLOOR

HOOK

FLARED END SECTION

REINFORCED PLASTIC

EXISTING

CONTRACTOR

CONCRETE WALL

DUCTILE IRON PIPE

EXPANSION JOINT

DIAMETER

LESS THAN

GREATER THAN

ANCHOR BOLT

ADDITIONAL

AND

A.B.

BOTT

CAP

CL

CLR.

CL2

CHEM.

CONC.

CONT

CU

DP

EQ

EQUIP

EXIST.

EXP.

F.E.S.

FIG

FIN

FTG

GALY

HOWE

HORIZ.

H

I.D.

COL

B.W.

DETAIL CALL-OUT AND DETAIL TITLE IDENTIFICATION SYMBOL

DETAIL IDENTIFICATION LETTER (IN SAME STRUCTURE)

SHEET NUMBER (IN SAME DISCIPLINE) WHERE DETAIL IS DRAWN.

SHEET NUMBER ON WHICH DETAIL CONDITION OCCURS. (DASH INDICATES CONDITION OCCURS ON MULTIPLE

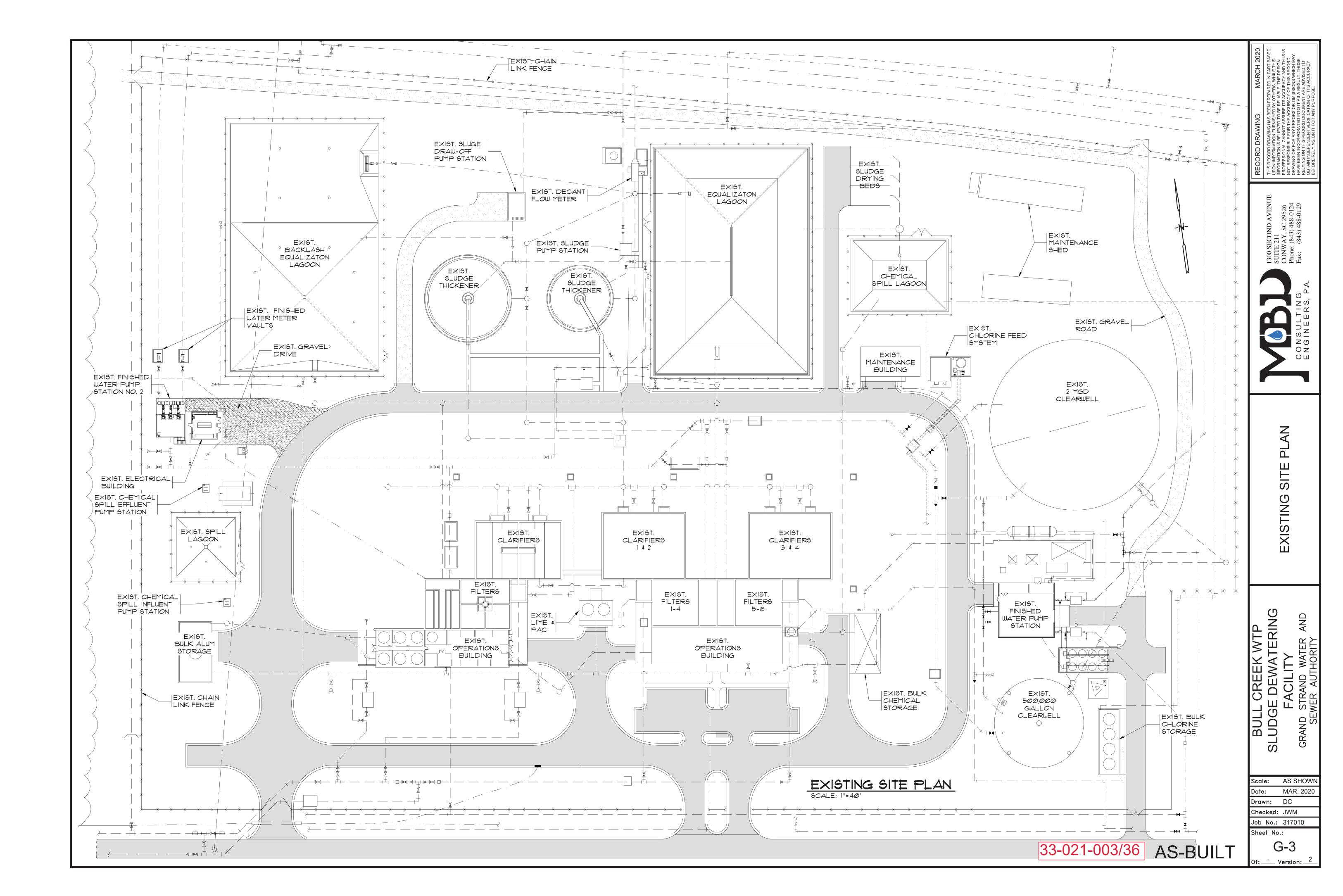
SECTION CUT SYMBOL (W/ARROW) OR TITLE IDENTIFICATION SYMBOL (W/O ARROW)

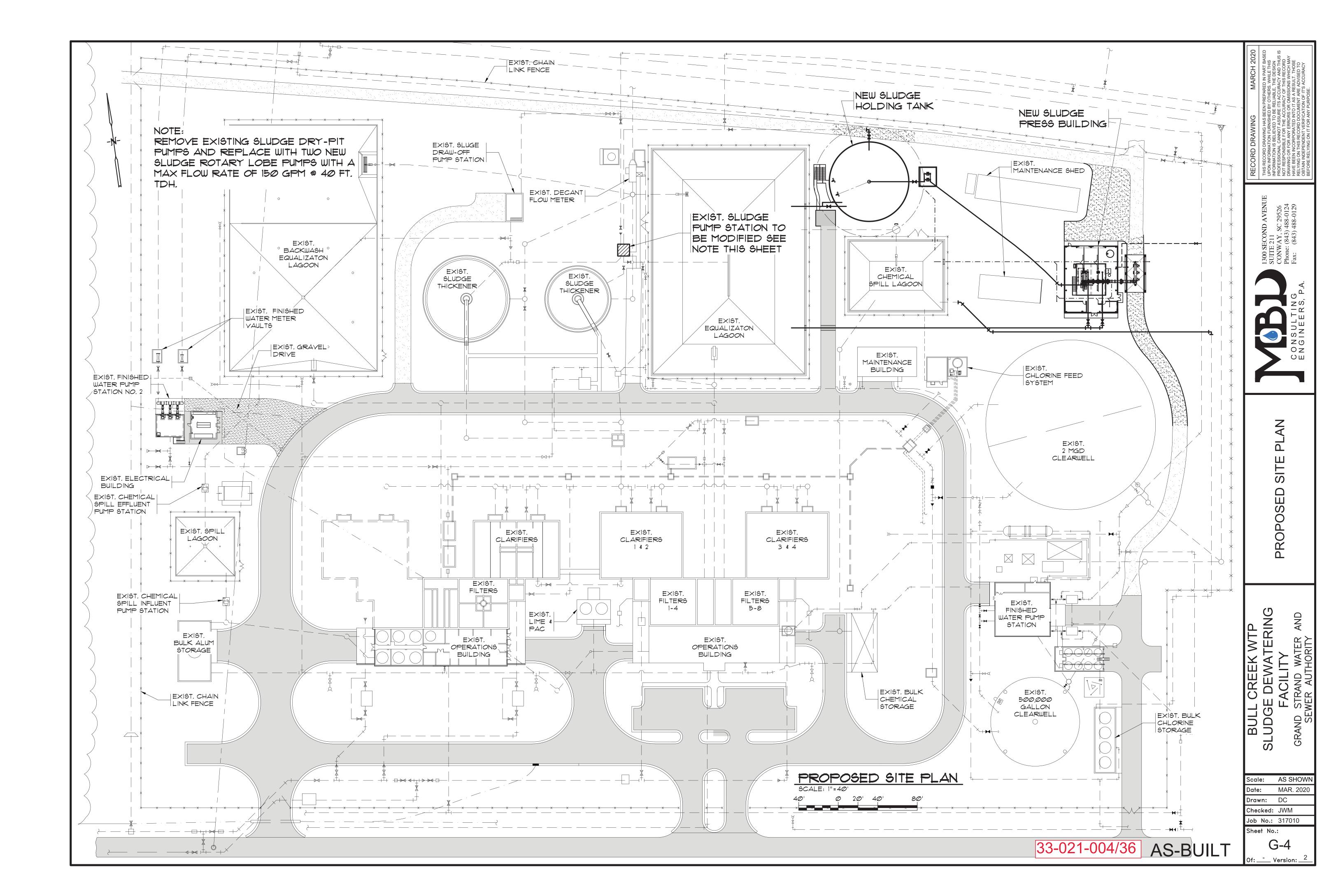
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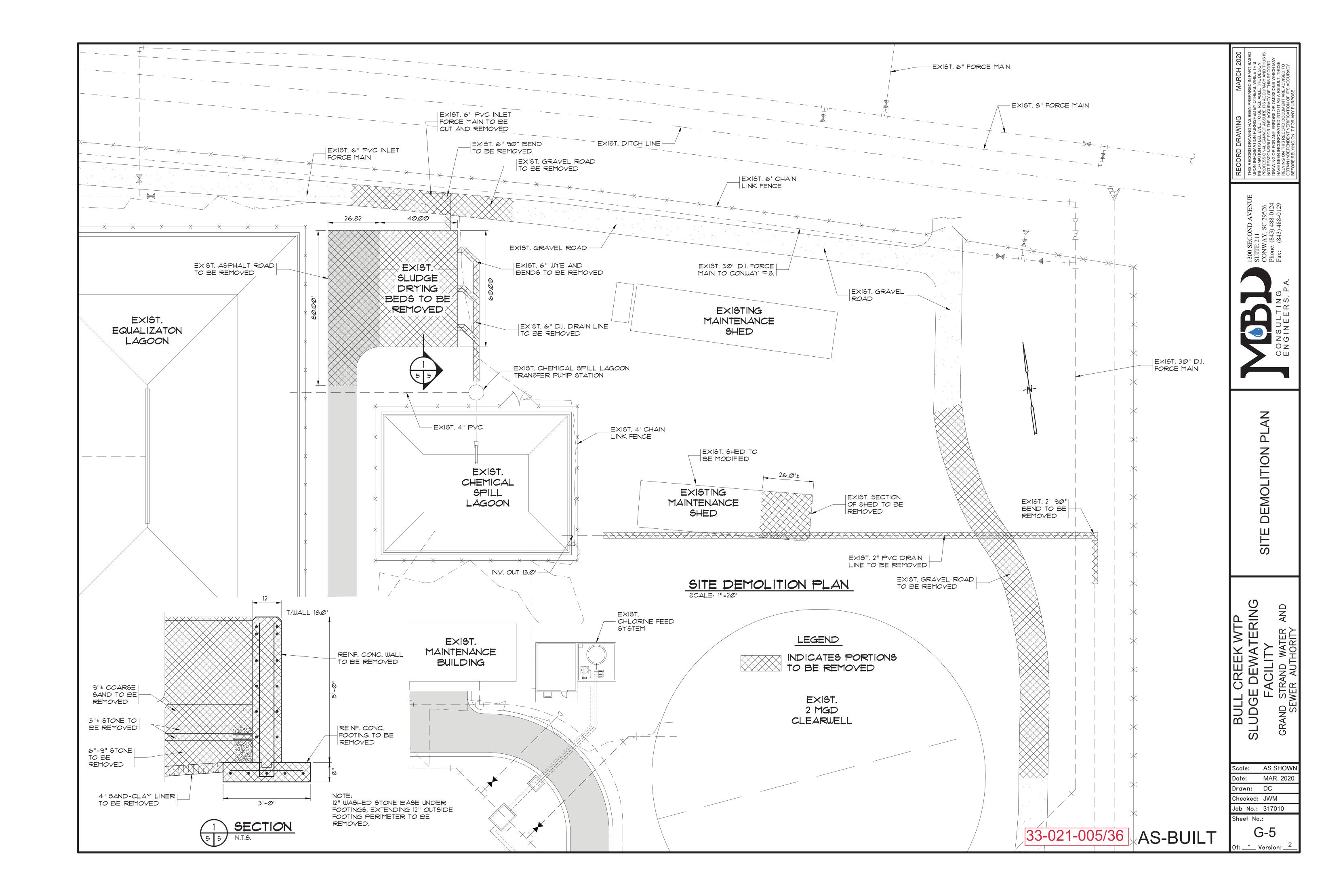
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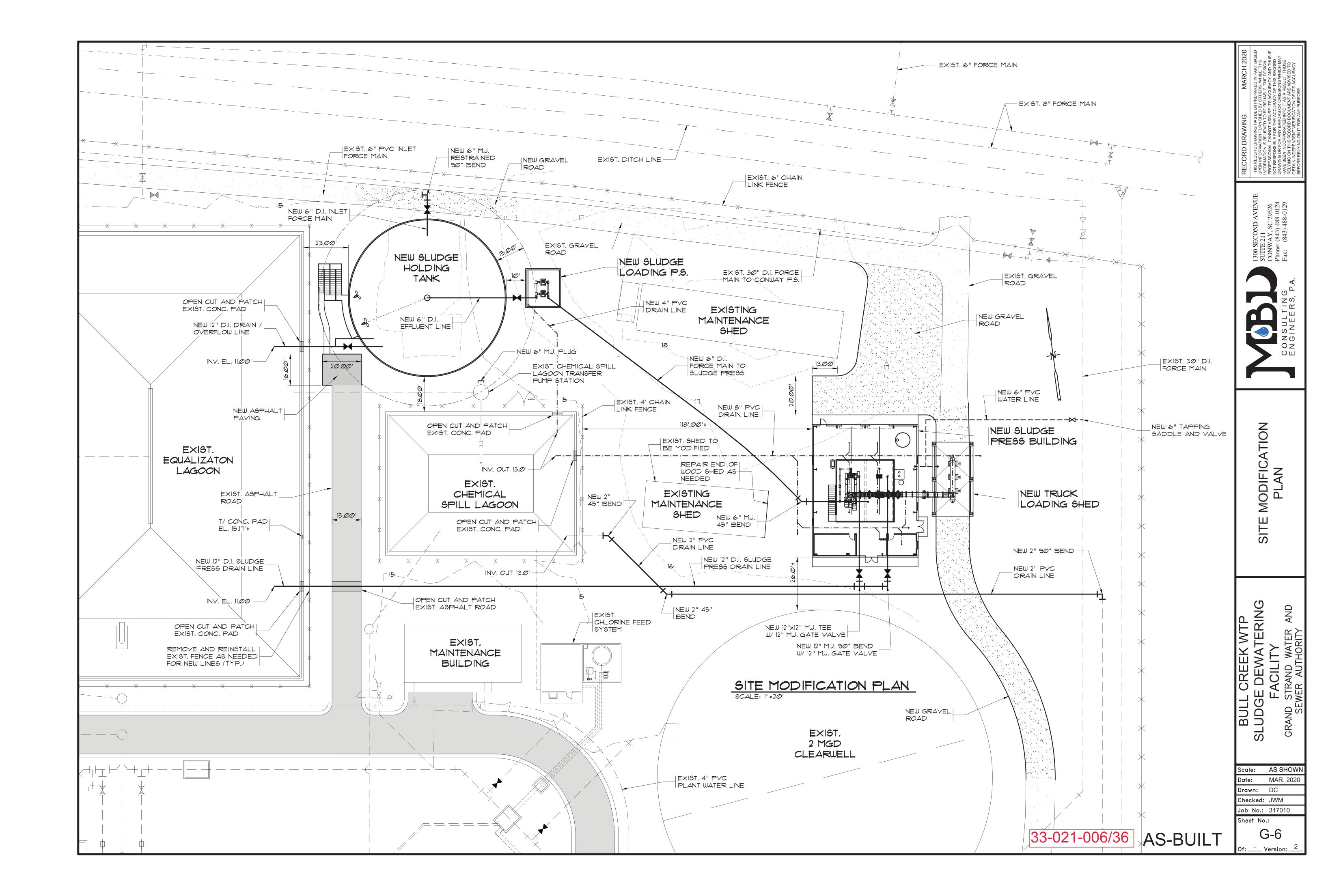
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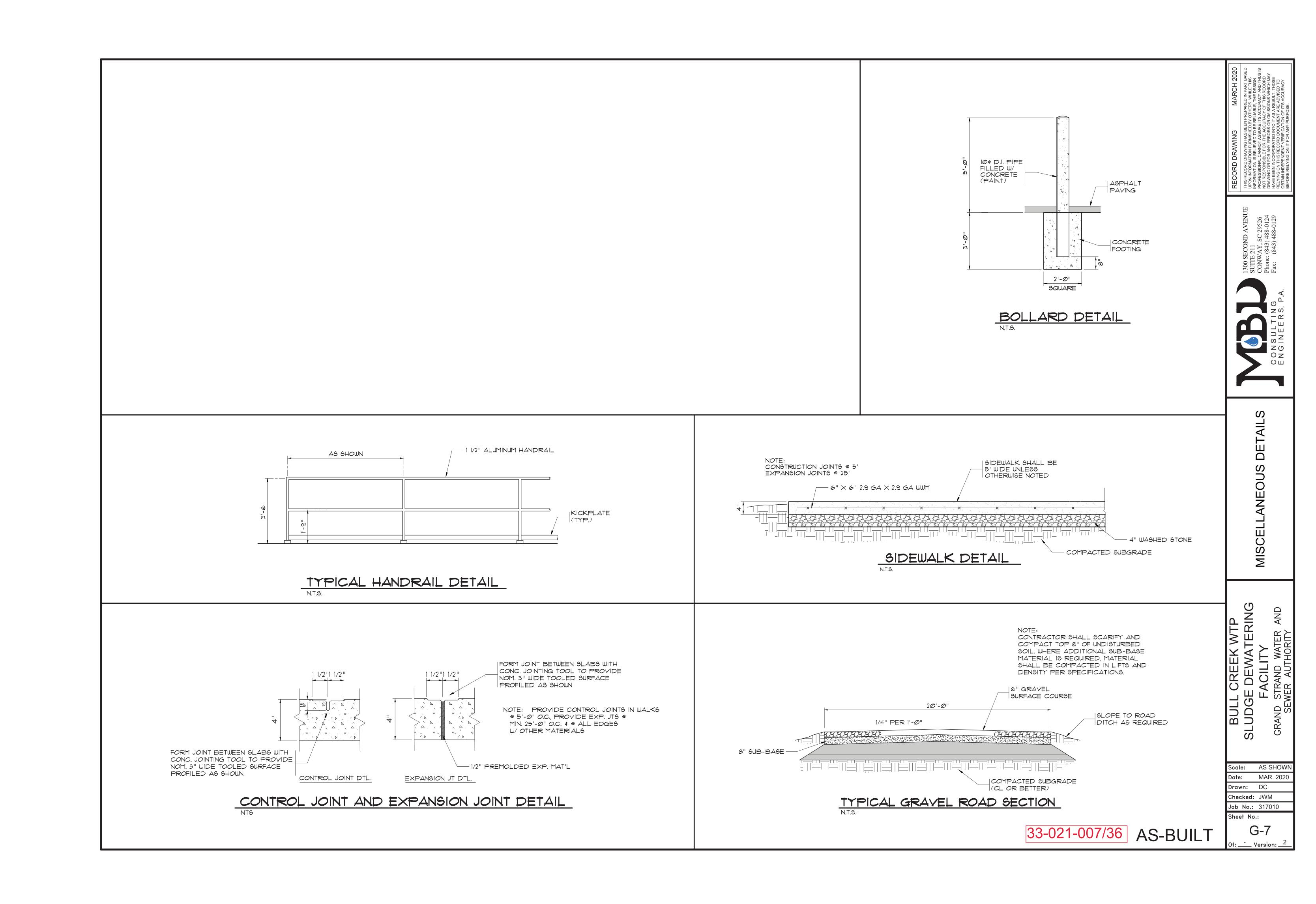
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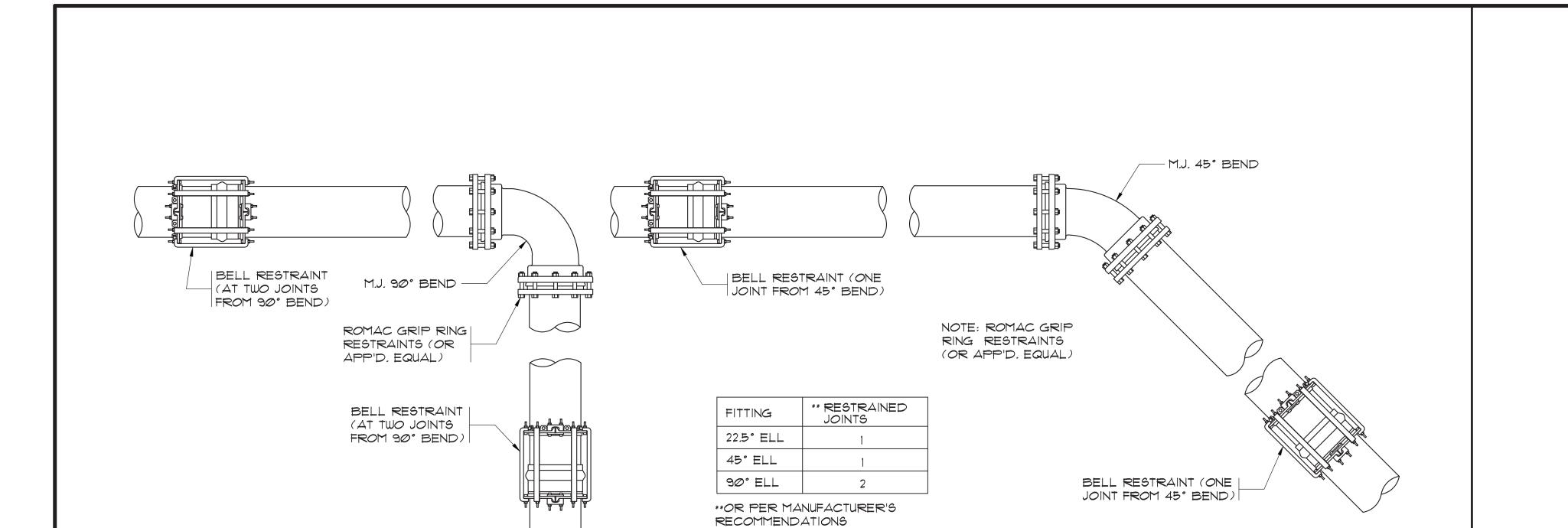


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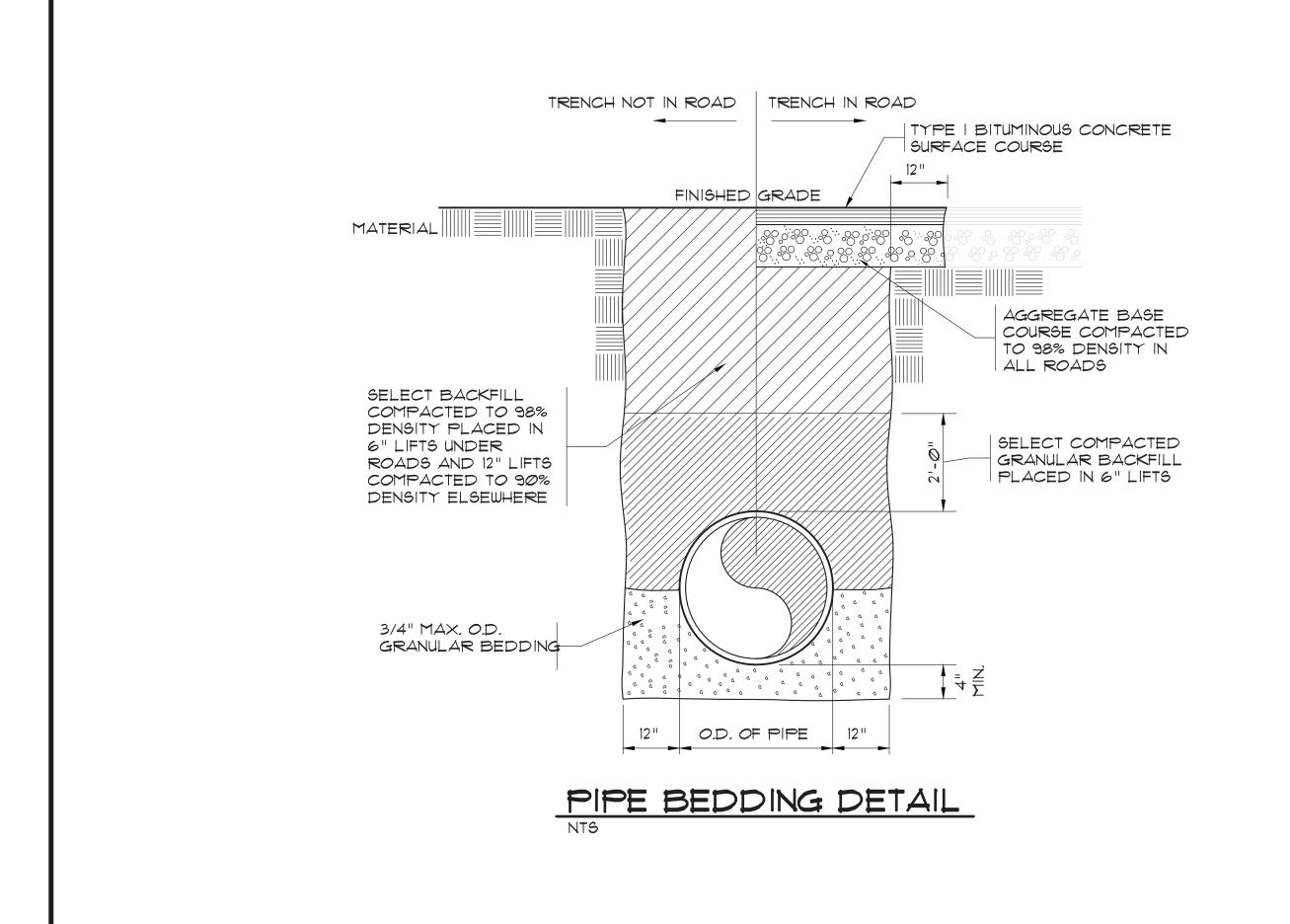
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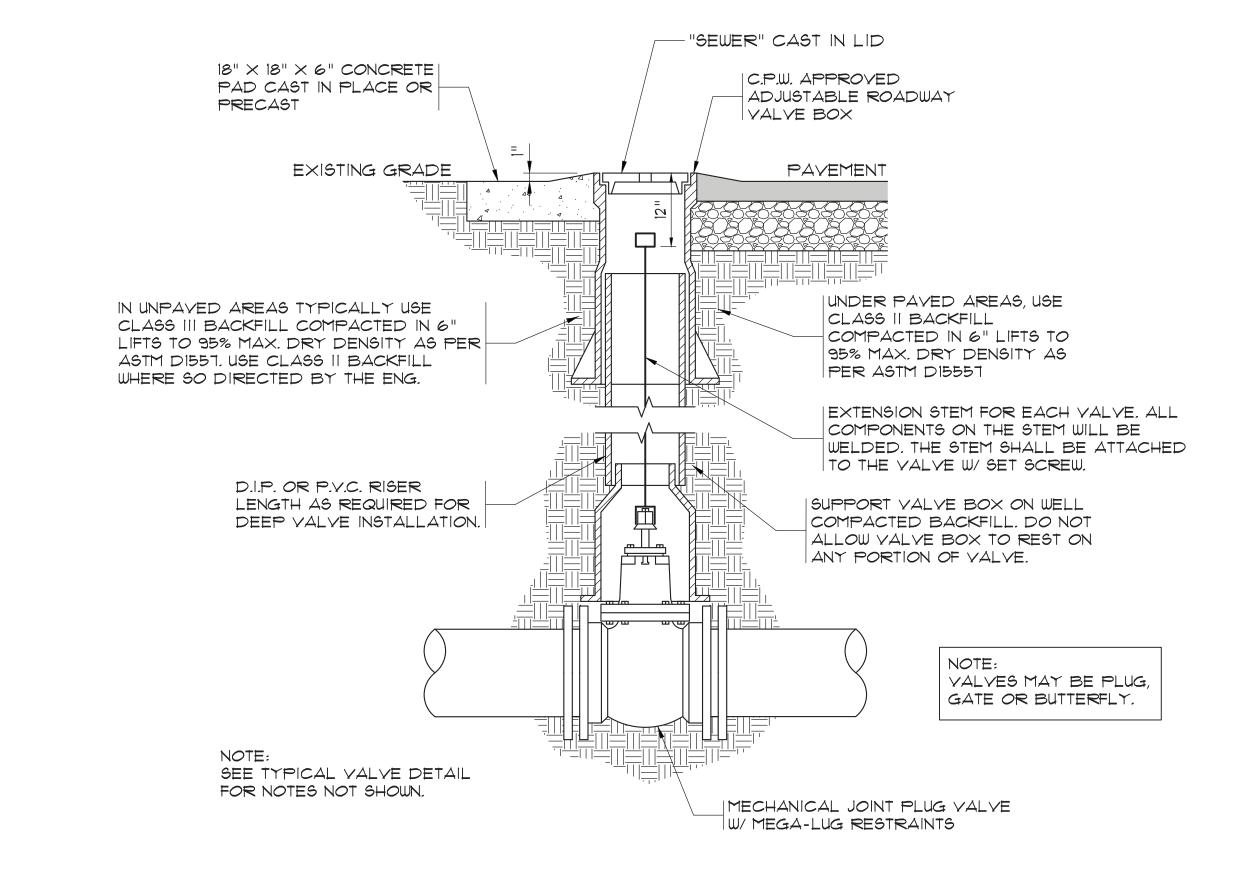
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TYPICAL FITTING AND JOINT RESTRAINT





TYPICAL VALVE BOX ASSEMBLY

NOTES:

1. CENTER VALVE BOX OVER OPERATING NUT TO INSURE FREE VALVE OPERATION.
2. USE 6" RISER PIPE ON 4" & 6" VALVES.
3. USE 8" RISER PIPE ON 8"
VALVES AND LARGER.

33-021-008/36 AS-BUILT

- PIPE (SIZE VARIES)

-#4 TIES @ 24" AS SHOWN

3" CLR

(TYP)

─"Y" @ 12" O.C.

NOTE:

N.T.S.

BUILDING.

ENCASE PIPES UNDER ALL STRUCTURES 5'-0"±
BEYOND OUTSIDE OF

PIPE DIA | "X" | "Y

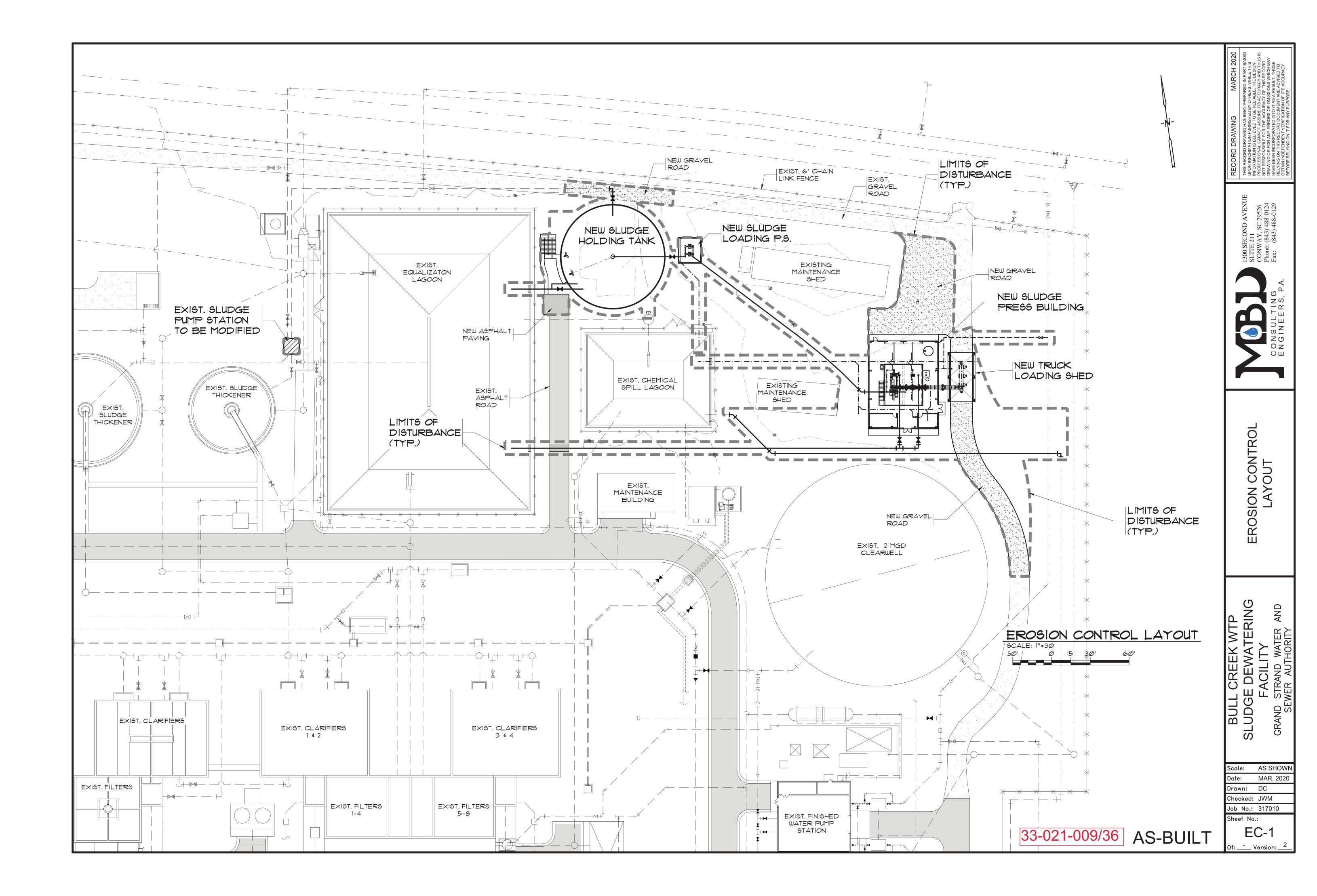
12" TO 24" 8" #4

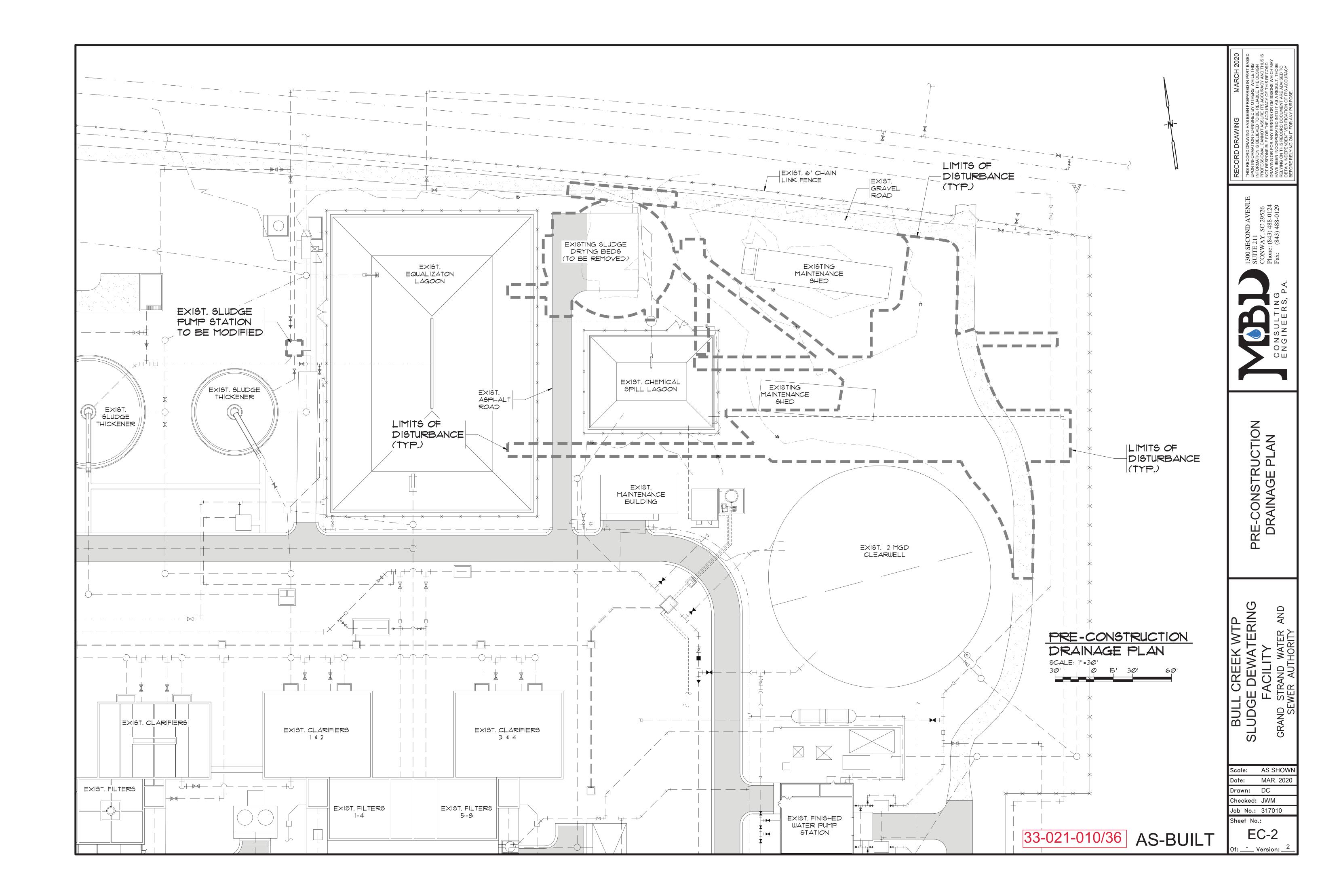
30" TO 48" 12" | #5

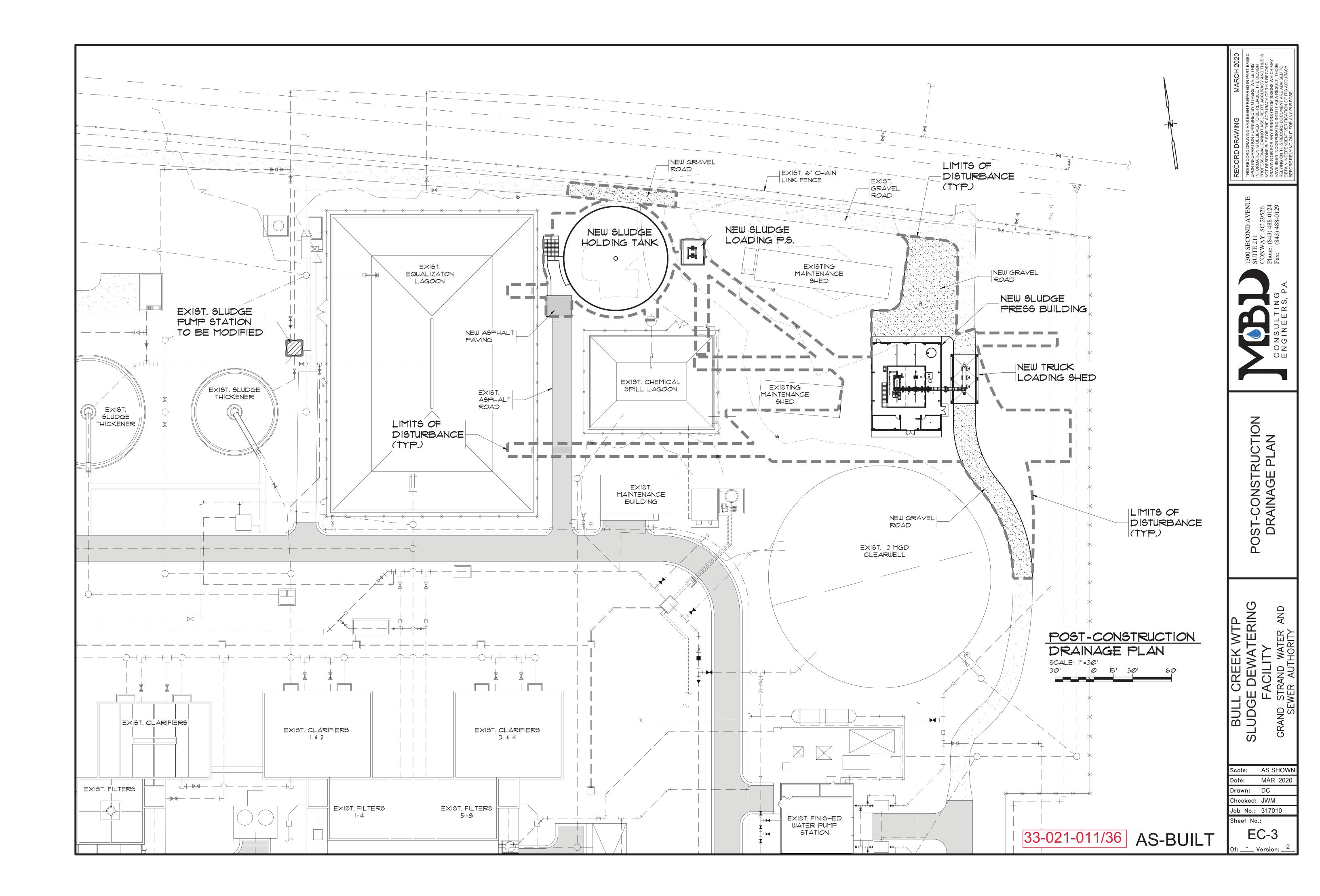
TYPICAL PIPE

ENCASEMENT DETAIL

AROUND PERIMETER







2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.

-WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE

-WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK, IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/ OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD INTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAYEMENT, AS MAY BE REQUIRED.

T. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG 12-300 ET SEQ. AND SCRIDODOD.

8. TEMPORARY DIVERSION BERMS AND/ OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/ OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE

9. ALL WATERS OF THE STATE (WOS). INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.

12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:17 OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF I CALENDAR DAYS.

13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS, WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAYATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

-WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL

-WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS

-FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE

-SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING

17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION

18. IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE, IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE. THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

19. A PRE-CONSTRUCION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES, FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

20. WORK WILL NOT HAPPEN AT WETLANDS UNTIL THE USACOE PERMIT AND DHEC 404/401 CERTIFICATION ARE RECEIVED.

21. EVERY 5,000 FEET PUT PERMANENT STABILIZATION.

SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.

2. RIP THE ENTIRE AREA TO 6'

3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.

4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPER PHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW *).

5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.

6. COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER

7. MULCH IMMEDIATELY AFTER SEEDING.

8. INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS OR RESEED WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER, AND SEEDING RATES.

9. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1000 POUNDS PER ACRE.

10. LIME SHALL BE APPLIED AT THE RATE OF 3000 POUNDS PER ACRE.

PERMANENT VEGETATION:

A. SUMMER (MARCH 1 - AUGUST 14):

COMMON BERMUDA 30 LBS./ACRE (HULLED) WEEPING LOYEGRASS

10 LBS:/ACRE

80 LBS/ACRE

SERICEA 50 LBS./ACRE LESPEDEZA

(SCARIFIED) B. WINTER (AUGUST 15 - FEBRUARY 28):

COMMON BERMUDA 40 LBS./ACRE (UNHULLED) WEEPING LOVEGRASS 10 LBS./ACRE

SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) 12. RYE GRAIN AND MILLET SHALL BE ADDED IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.

13. TEMPORARY VEGETATION:

A. (APRIL 1 - AUGUST 15): ANNUAL SUDAN

40 LBS./ACRE GRASS (SWEET OF

BROWN TOP MILLET 50 LBS./ACRE

55 LBS:/ACRE

B. (AUGUST 16 - MARCH 1):

RYE GRAIN

14. OAT GRAIN IS TO BE ADDED IF SEEDING DATE IS BETWEEN MARCH I AND APRIL 16, AT THE RATE OF 10 POUNDS PER ACRE.

15. OTHER PLANTINGS OR SEEDING AS CONTAINED IN THE CRITICAL AREA STABILIZATION SECTION OF SCS HANDBOOK "EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" MAY BE USED PROVIDED THE WORK COMPLIES WITH ALL APPLICABLE SPECIFICATIONS CONTAINED IN SAID HANDBOOK.

CONSULT CONSERVATION INSPECTOR ON MAINTENANCE AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

MAINTENANCE

DURING AND AFTER CONSTRUCTION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORM WATER MANAGEMENT AND SEDIMENT CONTROL FACILITIES ON SITE. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO:

1. PERIODIC TRASH REMOVAL FROM THE STORM WATER MANAGEMENT AND SEDIMENT CONTROL FACILITIES TO PROVIDE FOR FREE FLOW OF WATER.

2. PERIODIC HAND REMOVAL OF WEEDS FROM SEDIMENT BASINS AND DETENTION PONDS.

3. REMOVAL OF SEDIMENT FROM CATCH INLETS AND DETENTION PONDS EVERY TWO YEARS TO PREVENT BLOCKAGE IN PIPES.

SEQUENCE OF CONSTRUCTION

1. RECEIVE NPDES COVERAGE.

2. INFORM LOCAL DHEC OFFICE BEFORE LAND DISTURBANCE.

3. HOLD A PRE-CONSTRUCTION MEETING ON SITE.

4. ESTABLISH BUFFER ZONE WHEN APPROPRIATE.

5. CLEARING AND GRUBBING THOSE AREAS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.

6. INSTALLATION OF BMP'S AND CONSTRUCTION OF PERIMETER CONTROLS.

7. REMAINING CLEARING AND GRUBBING.

8. CONSTRUCTION OF PIPING.

9. FINAL GRADING, LANDSCAPING, OR STABILIZATION.

10. REMOVAL OF SEDIMENT CONTROL

11. APPLY FOR THE NOTICE OF TERMINATION ONCE THE SITE HAS REACHED FINAL STABILIZATION.

"I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCRIDODOO."



NAME: TITLE: DATE:

> Scale: AS SHOW Date: Drawn: DC

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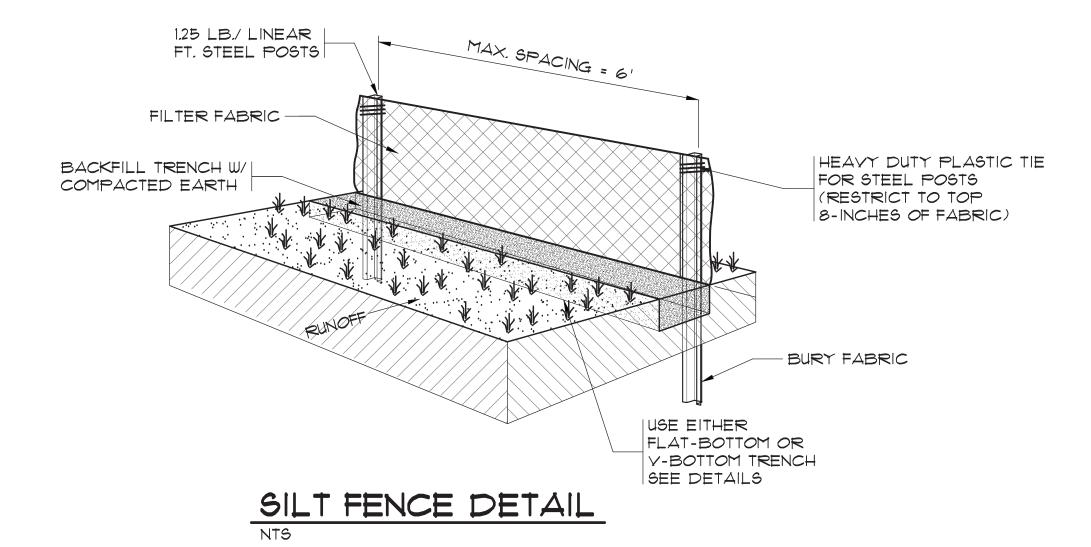
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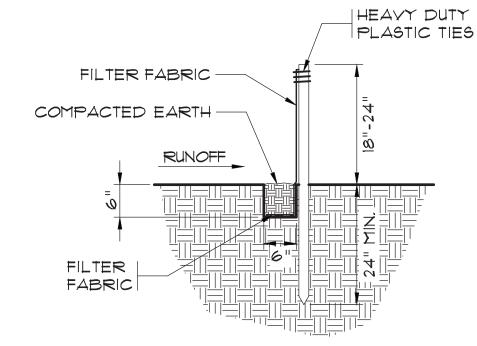
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Y-SHAPED

FILTER FABRIC

EARTH

BURY FILTER

FABRIC AT LEAST 12"

COMPACTED

RUNOFF

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS. -COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF

FLAT BOTTOM

TRENCH DETAIL

50,000 PSI. -INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.

-WEIGH 1.25 POUNDS PER FOOT (± 8%)

2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.

3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF IT SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM, THE METAL SOIL STABILIZATION PLAT SHOULD BE COMPLETELY BURIED.

4. INSTALL POSTS TO A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.

5. POST SPACING SHALL BE AT A MAXIMUM OF 6 FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:

-COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER:

-FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION +

-FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES + AND -HAVE A MINIMUM WIDTH OF 36 INCHES.

2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34, MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAYATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.

4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.

5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

TRENCH DETAIL

HEAVY DUTY

PLASTIC TIES

SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS

2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100 FEET.

FENCE LINE) SHALL BE 2:1.

4. SILT FENCE JOINTS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE

-OVERLAP SILT FENCE BY INSTALLING 3 FEET PASSED THE -OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.

THE FABRIC.

STORM WATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.

7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDANT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.

SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL

CONSTRUCTION ENTRANCE - INSPECTION & MAINTENANCE

FREQUENT DURING LONG PERIODS OF WET WEATHER.

OF PRECIPITATION.

LIFE OF STONE PAD.

POST-CONSTRUCITON.

CONTROL.

I. THE KEEP TO FUNCTIONAL CONSTRUCTION ENTRANCES IS WEEKLY

2. REGULAR INSPECTIONS OF CONSTRUCTION ENTRANCES SHALL BE

INSPECTIONS, ROUTINE MAINENCE, AND REGULAR SEDIMENT REMOVAL

CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2 INCH OR MORE

3. DURING REGULAR INSPECTIONS, CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. INSPECTION FREQUENCIES MAY NEED TO BE MORE

4. RESHAPE THE STONE PAD AS NECESSARY FOR DRAINAGE AND RUNOFF

INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED

CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL

REACHED FINAL STABILIZATION. PERMANENT VEGETATION SHOULD REPLACE

AREAS FROM WHICH CONSTRUCTION ENTRANCES HAVE BEEN REMOVED, UNLESS AREA WILL BE CONVERTED TO AN IMPERVIOUS SURFACE TO SERVE

5. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY SITE

WHENEVER THE ENTRANCE FAILS TO REDUCE THE AMOUNT OF MUD BEING

2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.

3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.

4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.

5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.

6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BAKCS AND/OR REINSTALL SILT FENCE, AS NECESSARY.

7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MY RENDER THE SILT FENCE INEFFECTIVE. REMOVE DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.

8. SILT FENCE SHOLD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED

|EDGES SHALL BE TAPERED OUT TOWARDS ROAD TO PREVENT TRACKING OF MUD ON THE EDGES AVERAGE STONE DIAMETER OF 2 TO 3 INCHES WITH A 6 INCH MINIMUM DEPTH UNDERLYING NON-WOYEN GEOTEXTILE FABRIC

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

CONSTRUCTION ENTRANCE - GENERAL NOTES:

1. STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL EGRESS/INGRESS A CONSTRUCTION SITE ONTO A PUBLIC ROAD OR ANY IMPERVIOUS SURFACES, SUCH AS PARKING LOTS.

2. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.

3. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDED POSITIVE DRAINAGE.

4. THE ENTRANCE SHALL CONSIST OF 2 INCH TO 3 INCH D5Ø STONE PLACED AT A MINIMUM DEPTH OF 6 INCHES.

5. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24 FEET WIDE BY 100 FEET LONG, AND MAY BE MODIFIED AS

NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.

6. THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING AT THE EDGE OF THE ENTRANCE.

7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER

SEDIMENT TRAPPING STRUCTURE.

8. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.

SILT FENCE - GENERAL NOTES:

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS GREATER THAT 0.5 CFS.

3. MAXIMUM SLOPE STEEPNESS (NORMAL 34PERPENDICULAR 1/2 TO THE

THE FOLLOWING OPTIONS:

-WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A I FOOT MINIMUM OVERLAP ! SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES + OR,

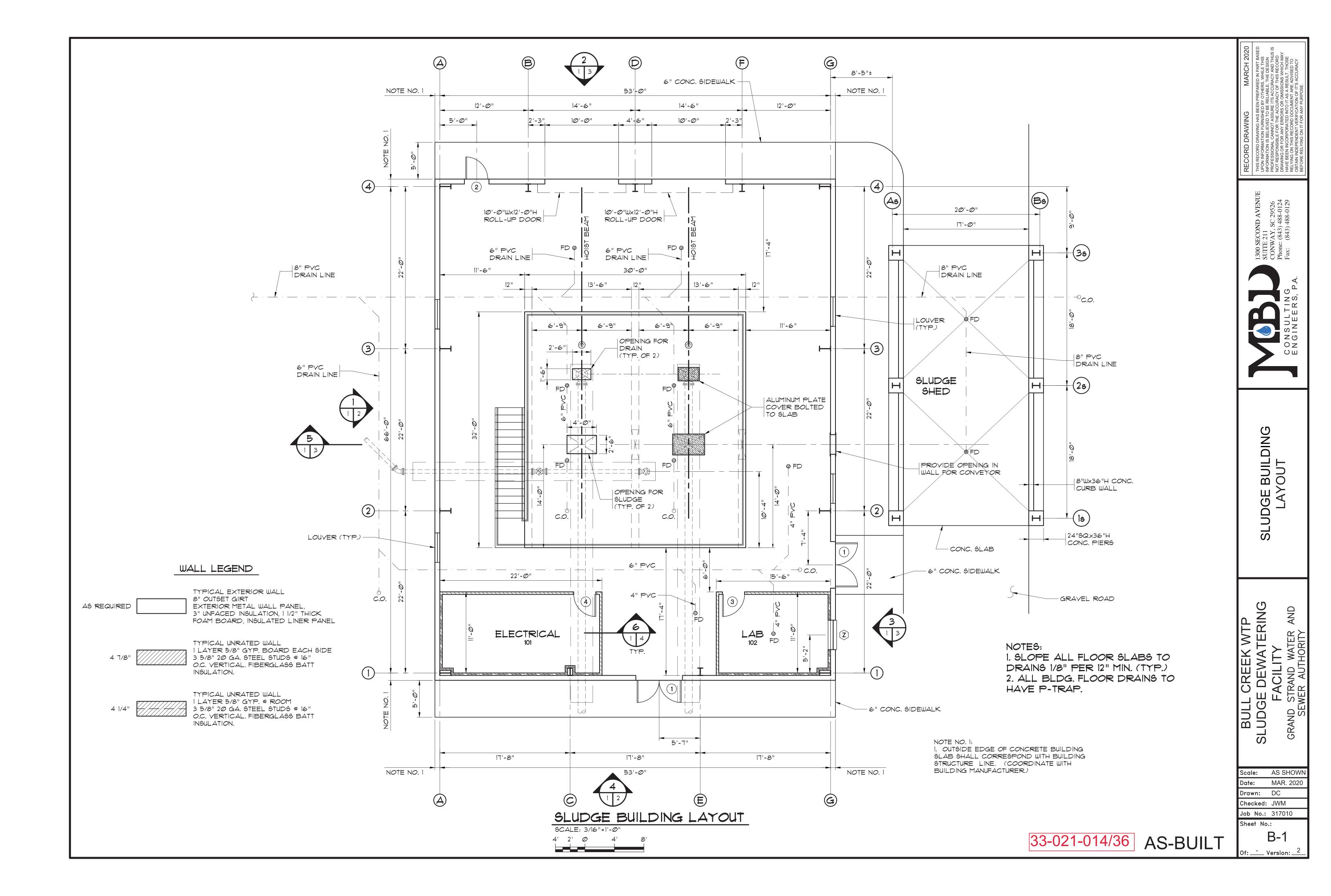
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8 INCHES OF

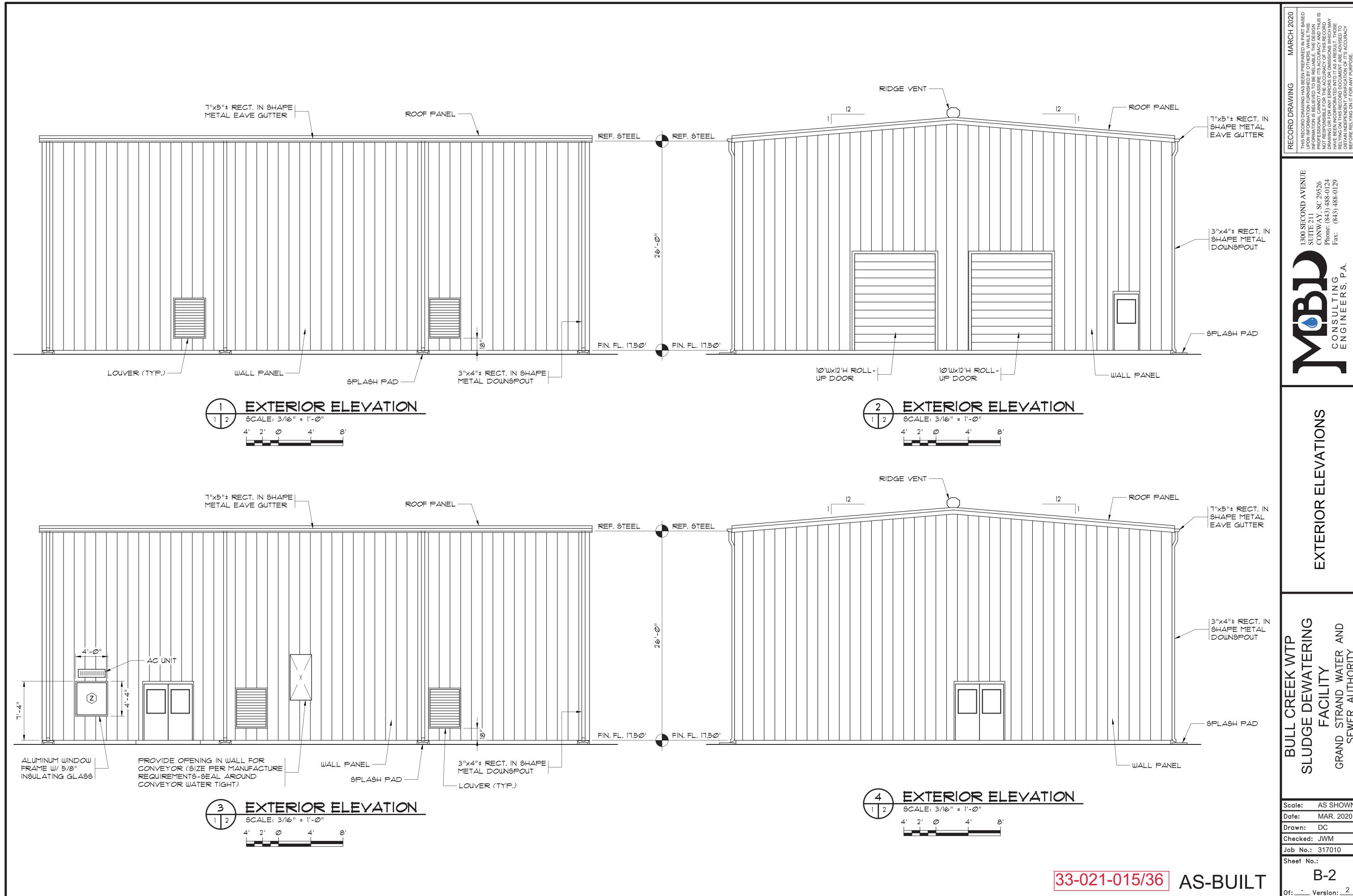
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE

AS-BUILT

6. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO ADJACENT IMPERVIOUS SURFACES BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN. 7. DURING MAINTENANCE ACTIVITIES, ANY BROKEN PAVEMENT SHOULD BE REPAIRED IMMEDIATELY. 8. CONSTRUCTION ENTRANCES SHOULD BE REMOVED AFTER THE SITE HAS

⋛Щ



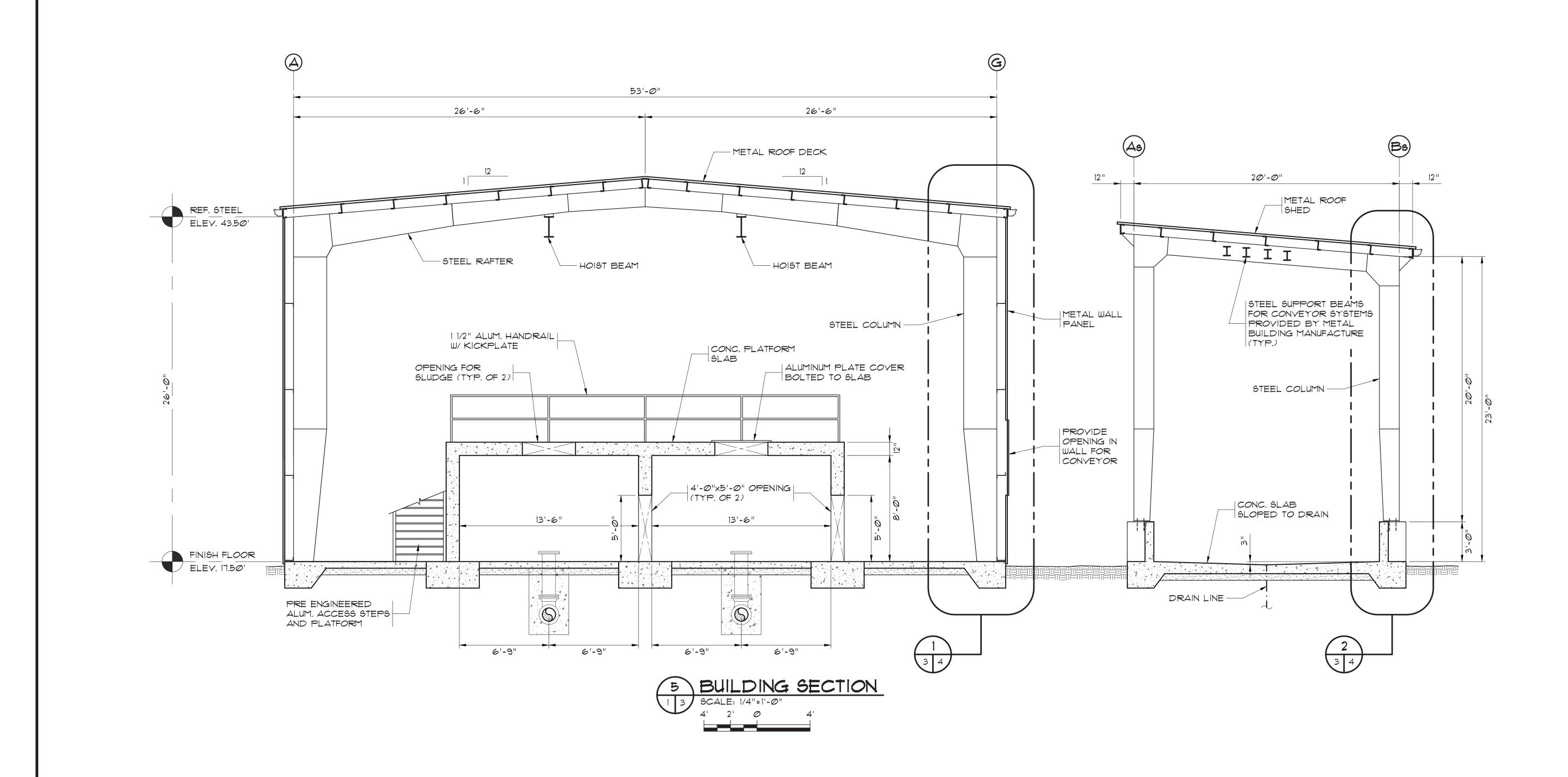


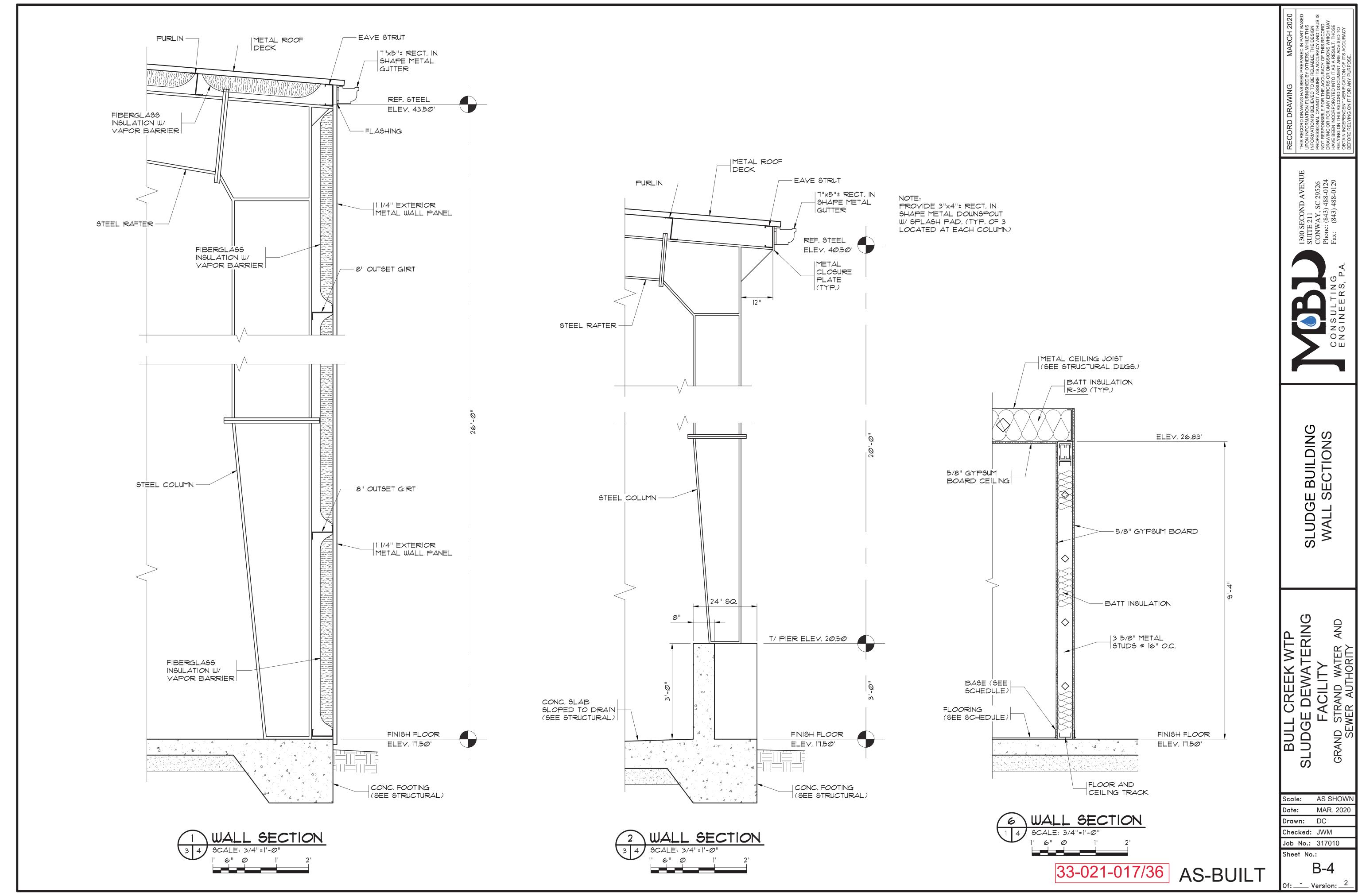
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Of: ____ Version: __2

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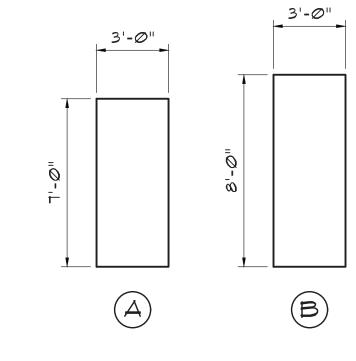


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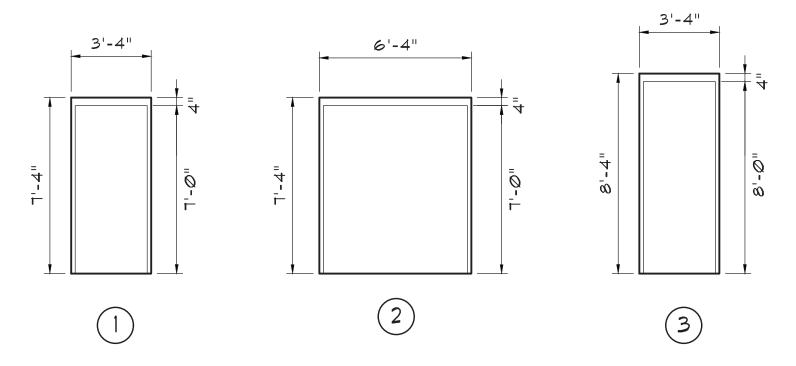
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DOOR ELEVATIONS SCALE: 1/4"=1'-0"



FRAME ELEVATIONS SCALE: 1/4"=1'-0"

4 3'×8'×1.75"

FIBERGLASS

NONE

DOOR SCHEDULE												
NO.			FRAME									
	SIZE	TYPE	MTL.	GLASS	LOUYER	LABEL	TYPE	MTL.	GLASS			
	PR. 3'X7'X1.75"	A	FIBERGLASS	NONE	NONE	NONE	2	FIBERGLASS	1/4" TEMP.			
2	3'X1'X1.75"	Д	FIBERGLASS	NONE	NONE	NONE	1	FIBERGLASS	1/4" TEMP.			
3	3'X7'X1.75"	A FIBERGLASS NONE		NONE	NONE	1	FIBERGLASS	NONE				
							The state of the s					

NONE

NONE

FIBERGLASS NONE

ROOM FINISH SCHEDULE										
No./ROOM	FLOOR	BASE	WALLS	CEILING						
101 / ELECTRICAL	VINYL COMPOSITION TILE	VINYL	PAINTED GYP. BD.	PAINTED GYP. BD.						
102 / LAB	VINYL COMPOSITION TILE	VINYL	PAINTED GYP. BD.	PAINTED GYP. BD.						



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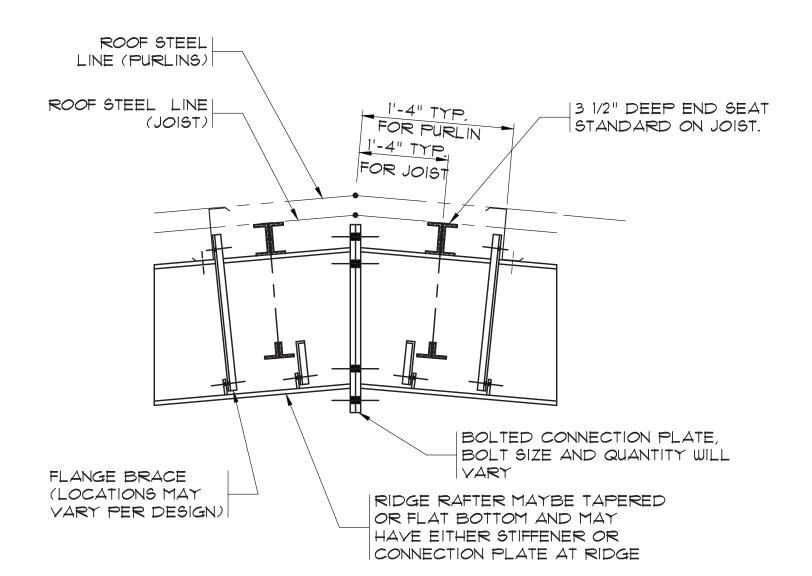
33-021-019/36 AS-BUILT



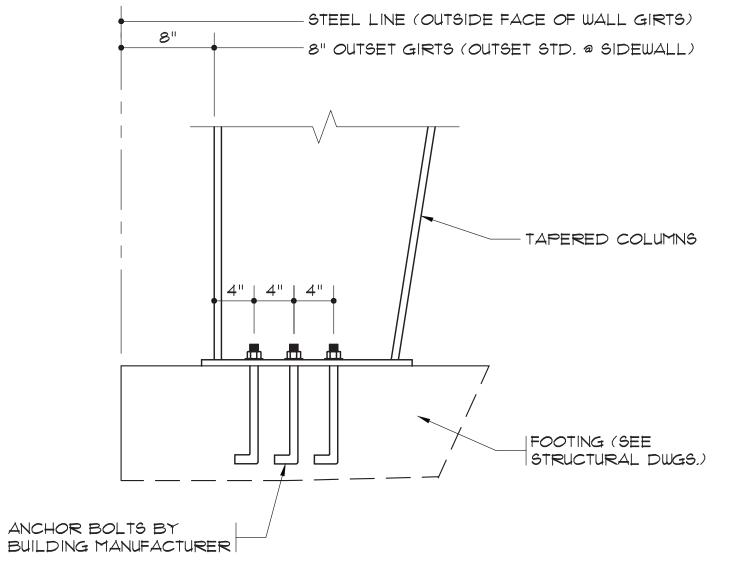
|BOLTED CONNECTION

PLATE, BOLT SIZE AND QUANTITY WILL VARY

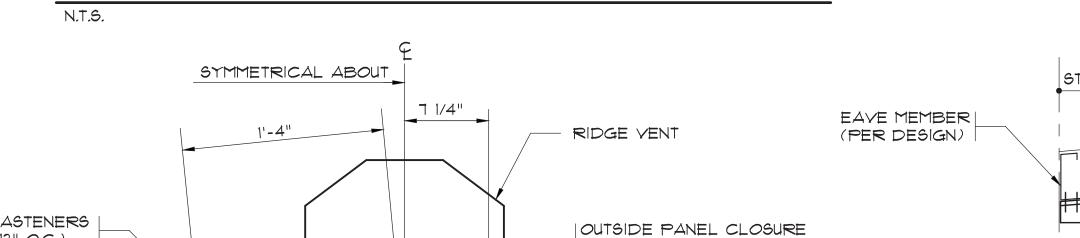
|FLANGE BRACE (LOCATIONS MAY |



RIGID FRAME RIDGE CONDITION



SIDEWALL OR ENDWALL COLUMN SETBACK



FASTENERS (12" O.C.) PLACE 3/4" TAPE MASTIC TOP & BOTTOM

PRESSURE TREATED BLOCKING (TYP.) STANDARD HORIZONTAL STIFFENER

|FASTENERS (SEE CLASSIC

ROOF ERECTION NOTES

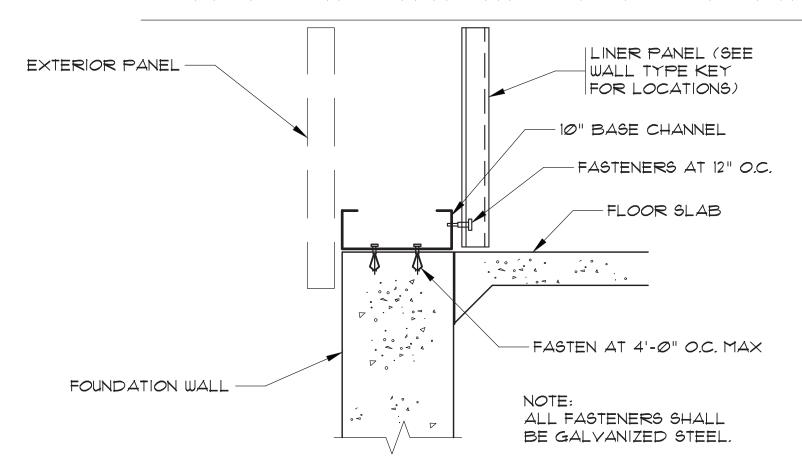
FOR SPACING)

ROOF PANEL

PURLIN-

RIDGE VENT DETAIL CLASSIC ROOF

ERECTOR NOTE: PANEL SCREWS MUST ENGAGE THE BASE CHANNEL, FIELD NOTCHING OF THE BASE CHANNEL MAY BE REQUIRED AT THE COLUMNS AND CORNERS



FINISHED FLOOR BASE DETAIL N.T.S.

OUTSIDE CORNER |"CLASSIC FASTENERS 12" O.C. BETWEEN SUPPORTS START/FINISH DIMENSION L RIB OUTSIDE CORNER DETAIL N.T.S.

ROOF STEEL LINE STEEL LINE

"CLASSIC WALL"

FASTENERS 12" O.C.

8" GIRT

ROLL-UP DOOR HOUSING ROLL-UP DOOR ROLL-UP DOOR

METAL WALL PANEL FASTENERS AT 6" O.C. HEAD TRIM GRIND SMOOTH

|5/16" BENT & FRAME, METAL WALL PANEL

WELD CORNERS AND SEALANT

ROLL-UP DOOR GUIDE ROLL-UP DOOR |5/16" BENT P FRAME JAMB NOTE: PROVIDE WEATHER TIGHT SEAL @ HEAD, JAMB AND SILL SILL

ROLL-UP DOOR ROLL-UP DOOR GUIDE FIN. FL. |6" CONC. □SLABW/W.W.F. - 1/2" EXP. JT. MATL.

TYP. SECTION THRU ROLL-UP DOOR

THRESHOLD

B-7

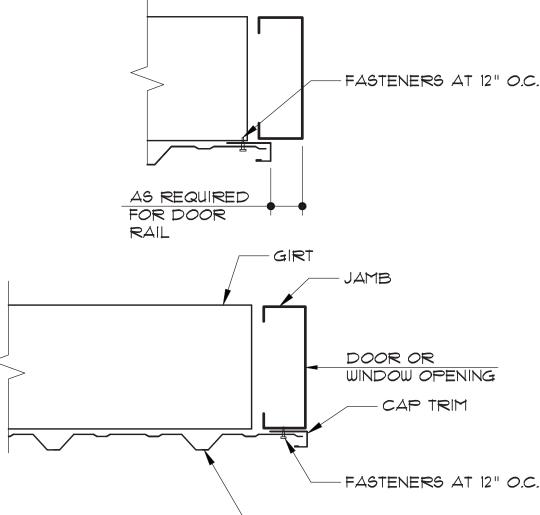
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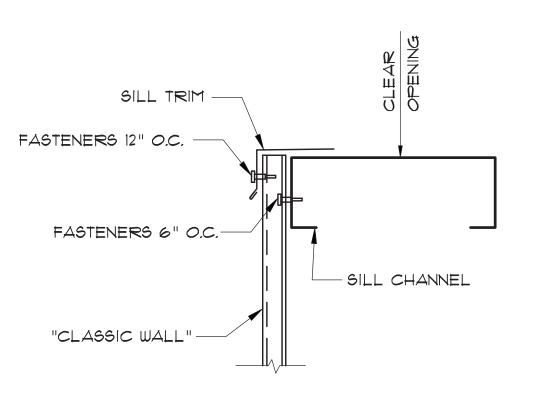
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HEADER -FASTENERS AT 6" O.C. -HEAD TRIM-

HEADER DETAIL

N.T.S.





1'-0" 10" PANEL CLIP CINCH STRAP-- 4/PANEL ROOF PANEL ROOF PANEL 1/2" OR 1 1/2" 30 1/2" LONG PRE-CUT TAPE MASTIC BACK UP PLATE FASTENERS 2/CLIP PURLIN

END CLOSURE (POLAR WHITE)

AROUND AND INSERT INTO THE

END OF THE TRIM AT FRAMED

BASE CHANNEL

NOTE: PANEL SCREWS MUST ENGAGE THE BASE CHANNEL. FIELD NOTCHING OF THE

BASE CHANNEL MAY BE REQUIRED AT

THE COLUMNS AND CORNERS.

APPLY TUBE CAULK ALL

CFR PANEL SPLICE (IF REQUIRED)

N.T.S.

OUTSIDE

ERECTOR NOTE:

UP SLOPE

CORNER TRIM CORNER TRIM OPENINGS.

UNTIL WALL PANELS ARE INSTALLED, (3) SCREWS ARE TO BE USED FOR TEMPORARY INSTALLATION OF THE BASE TRIM.

WALL PANEL

BASE ANGLE

TRIM MK. BSBØ1

BASE CHANNEL

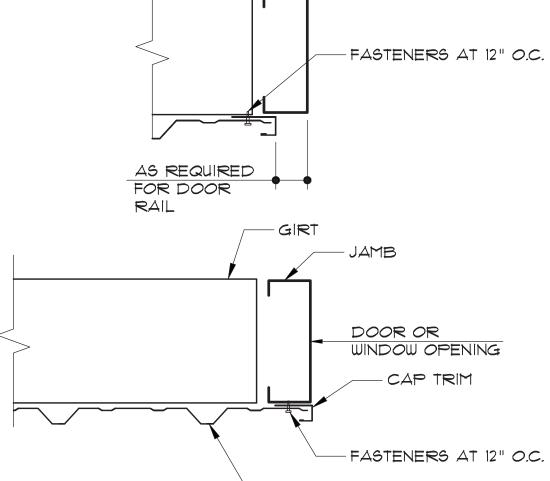
|FASTEN AT 4'-Ø"

0.C. MAX.

SEALANT

BASE TRIM DETAIL

"CLASSIC WALL" —

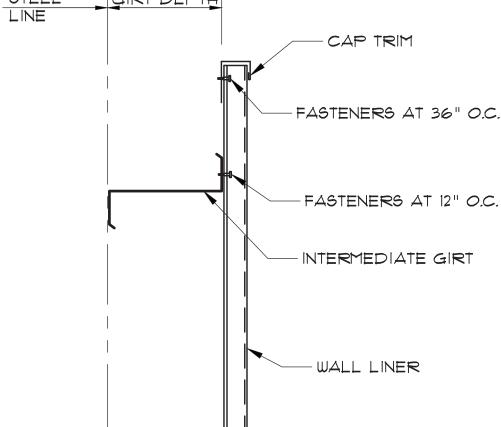


"CLASSIC" WALL LINER

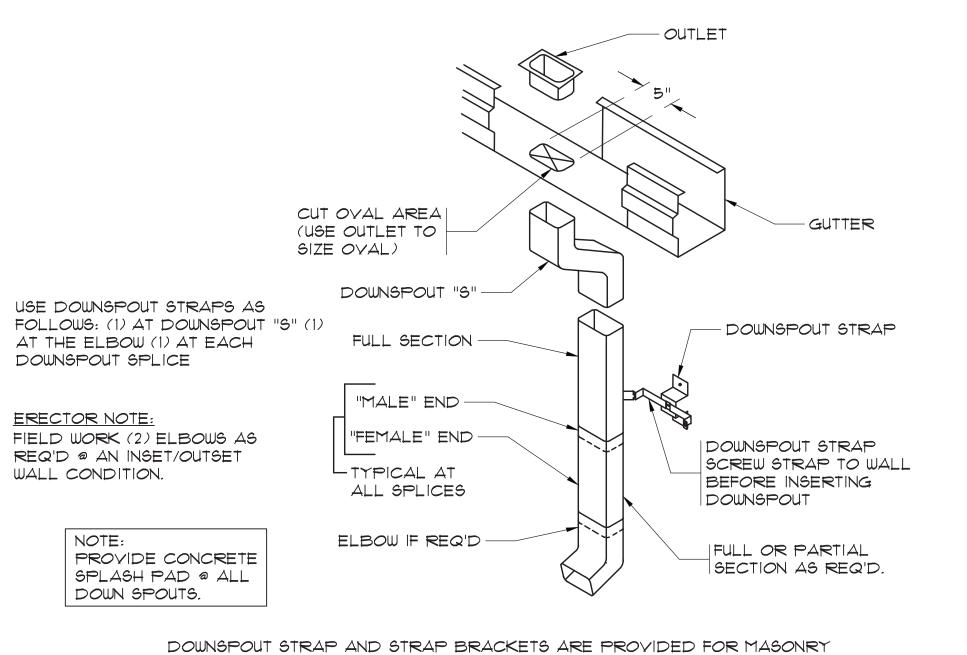
JAMB DETAIL N.T.S.

SILL DETAIL N.T.S.

PANEL PROFILE



PARTIAL HEIGHT LINER PANEL (IF REQUIRED)

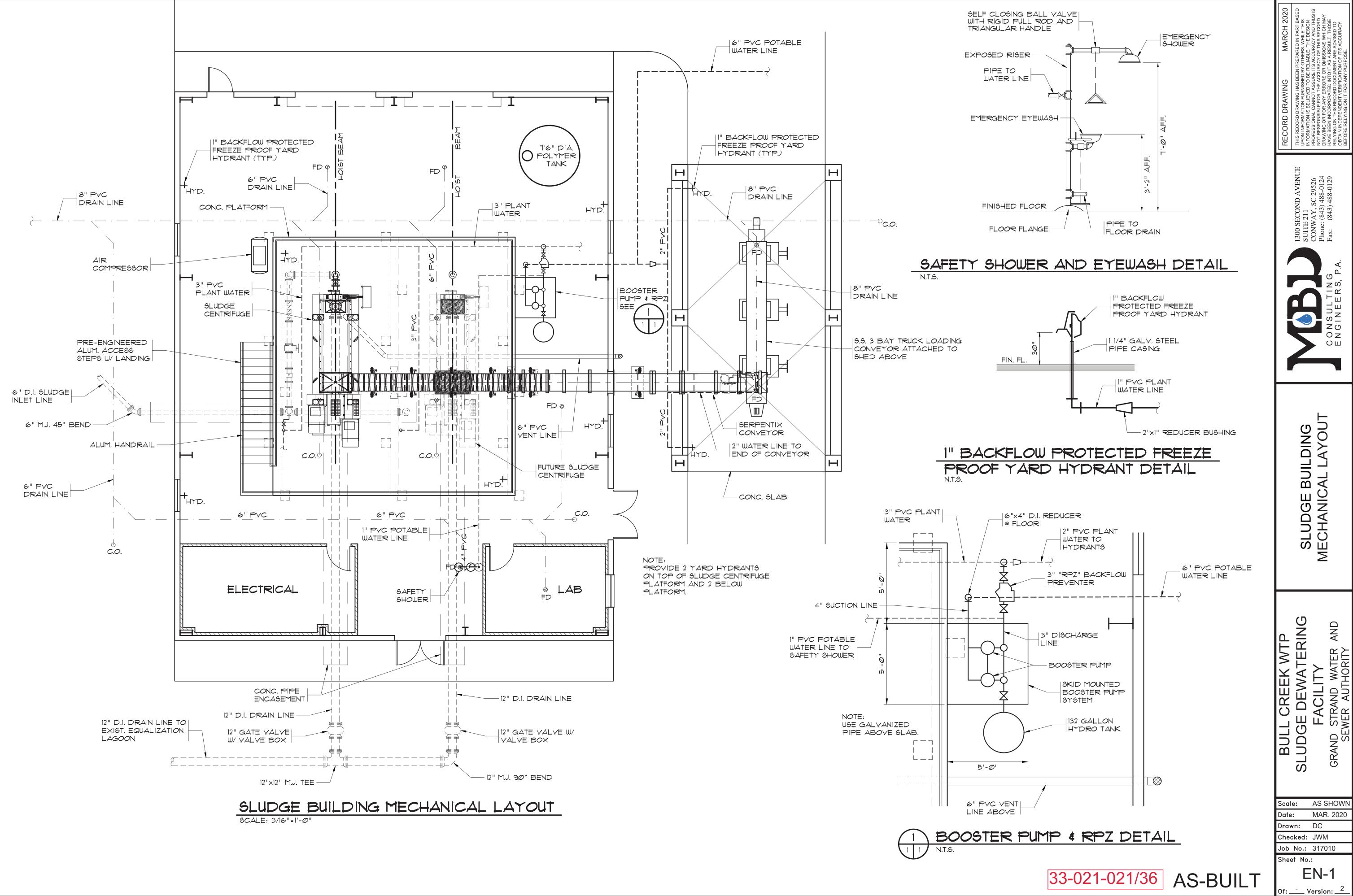


STANDARD GUTTER AND DOWNSPOUT DETAIL N.T.S.

FASTENERS TO MASONRY ARE NOT PROVIDED. FASTENERS ARE PROVIDED

WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS.

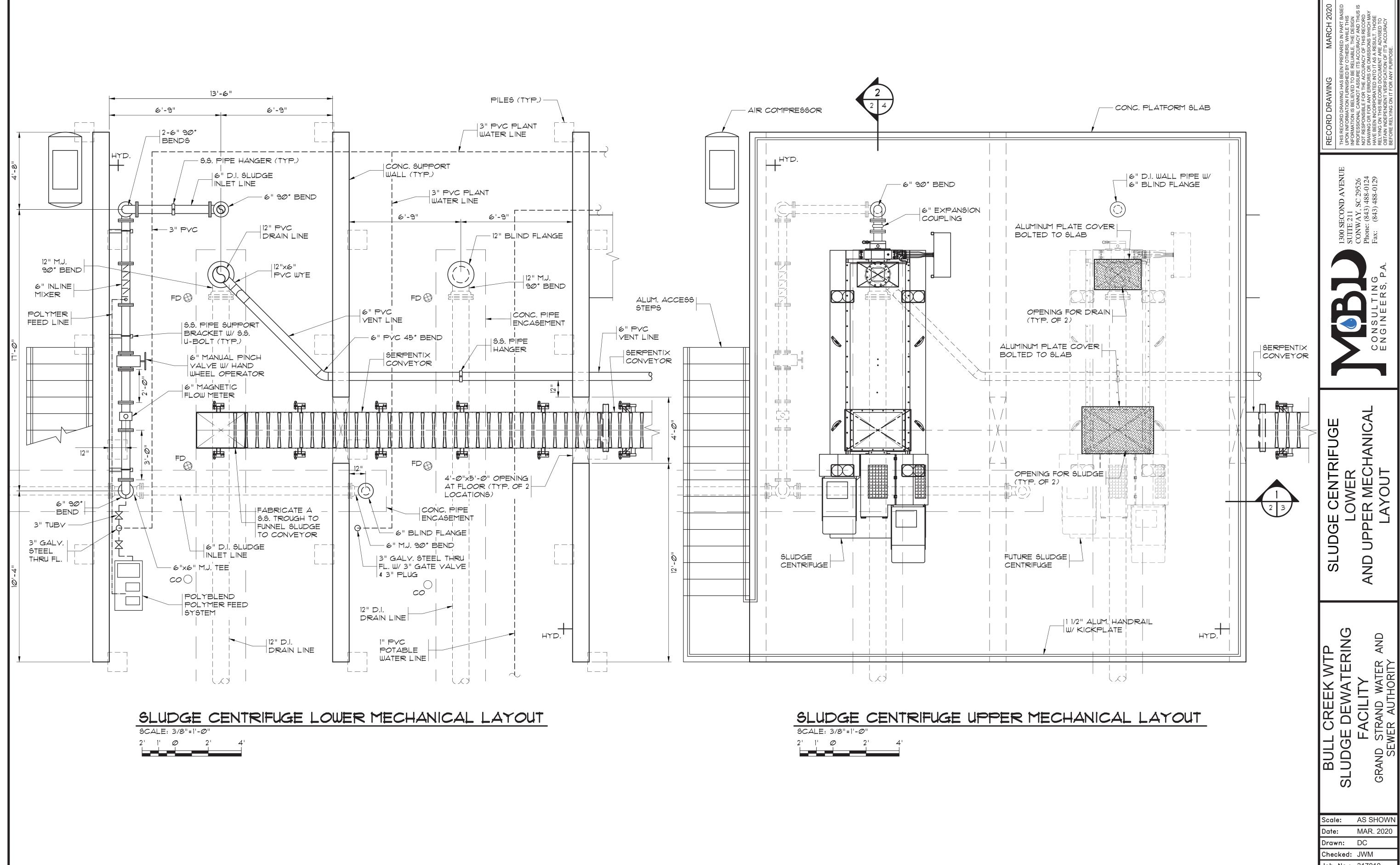
FOR COLUMN APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.



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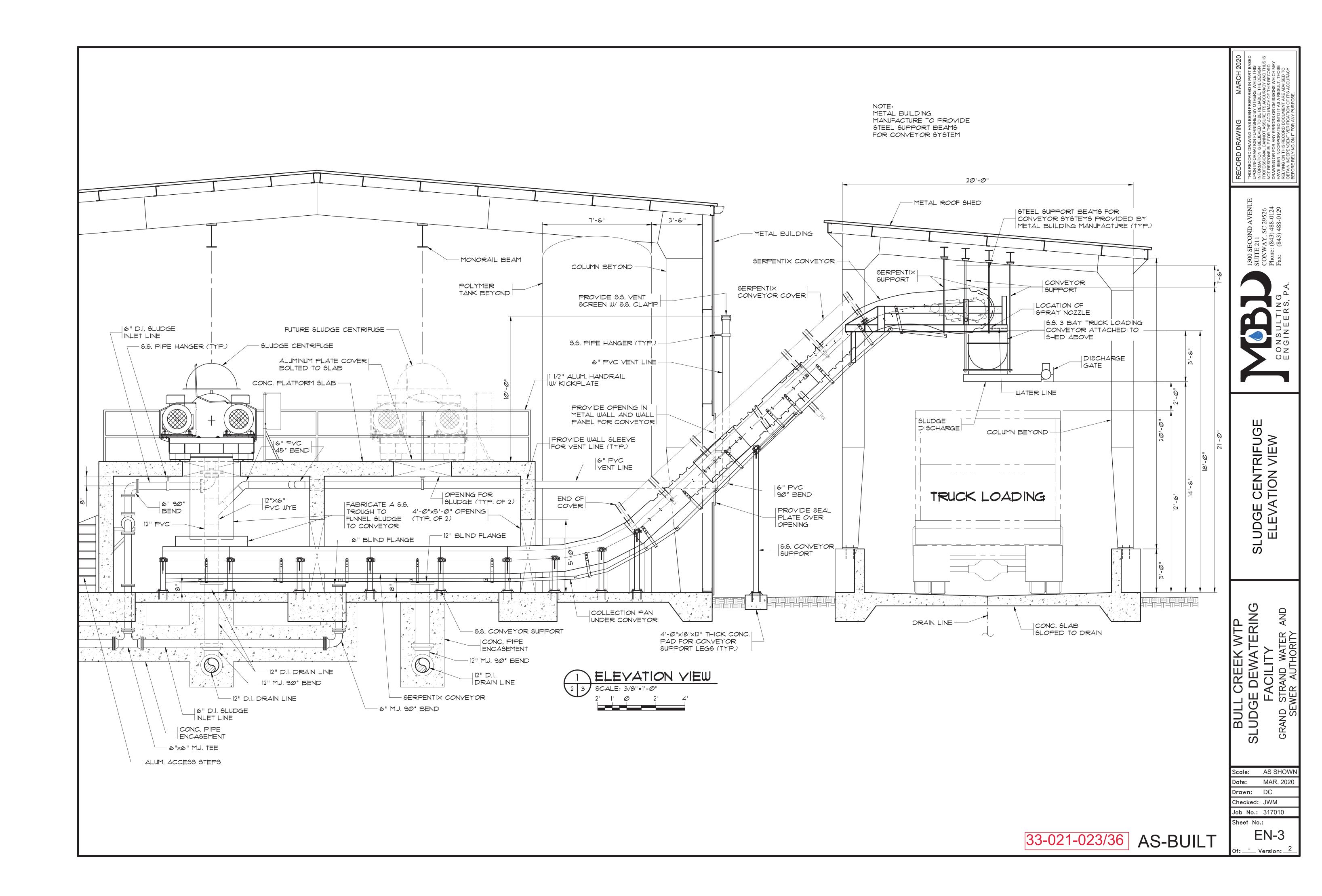
EN-1



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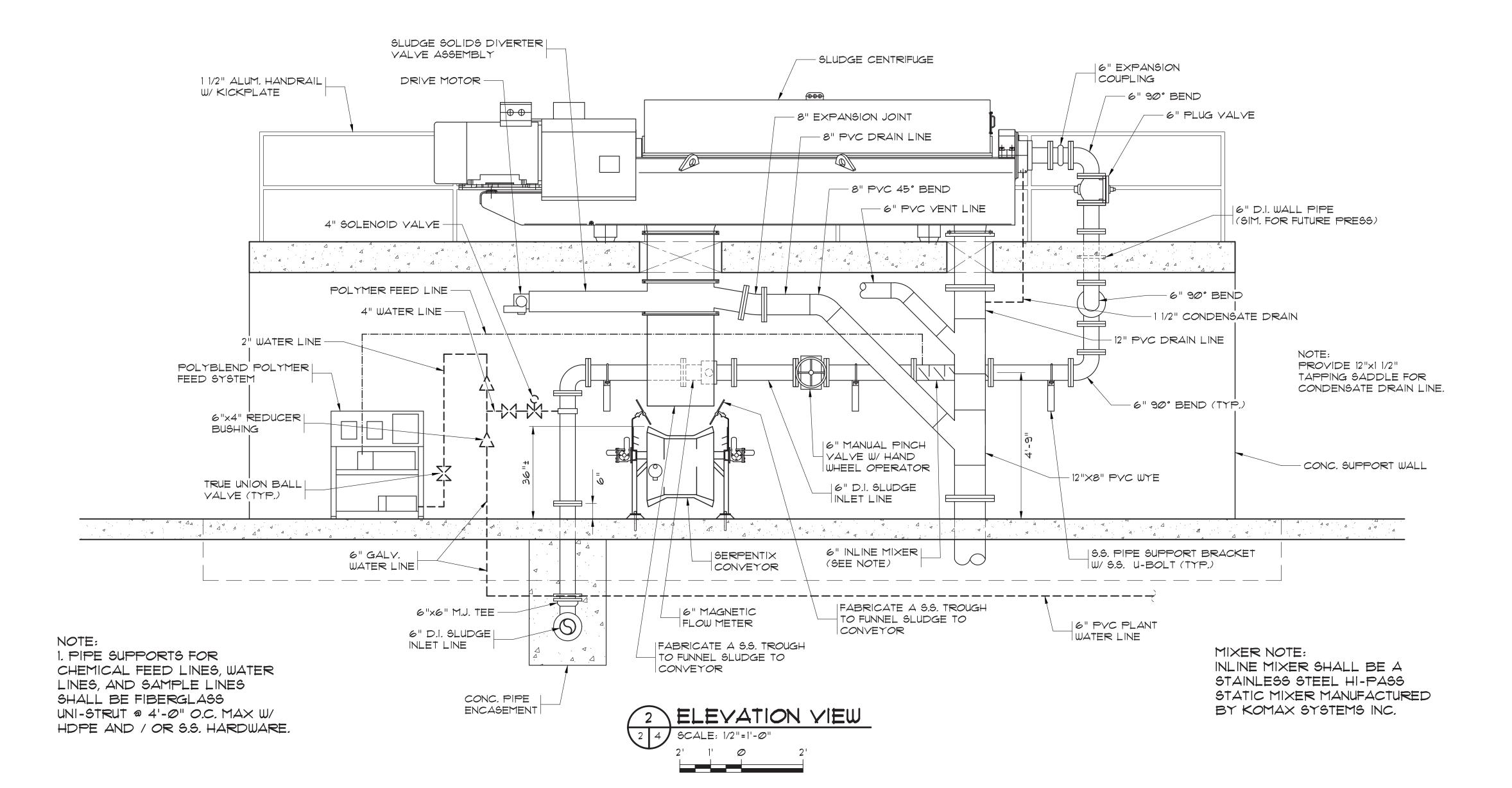
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ANK NS CONSUL ENGINE

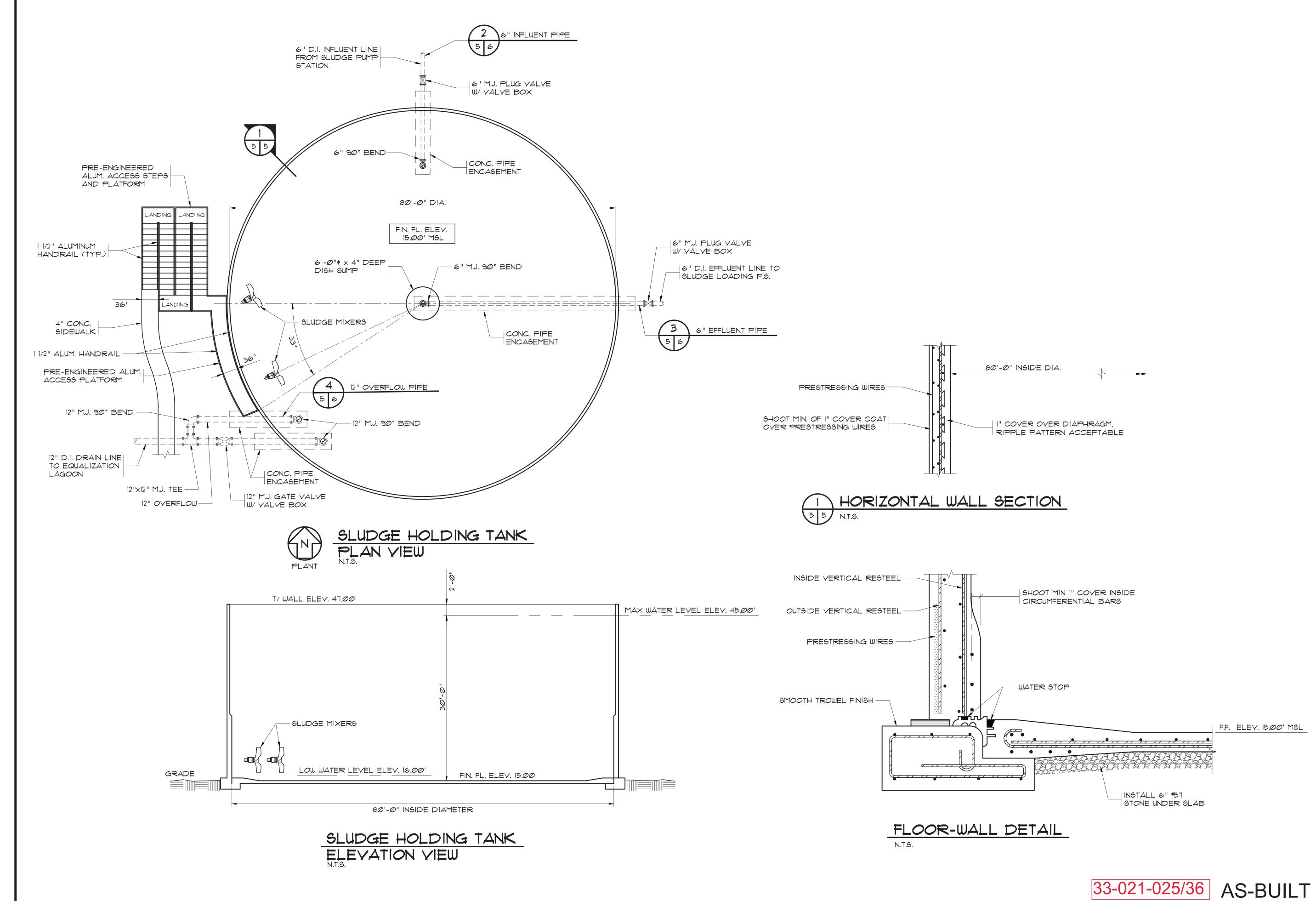
SLUDGE HOLDING TANK PLAN AND SECTIONS

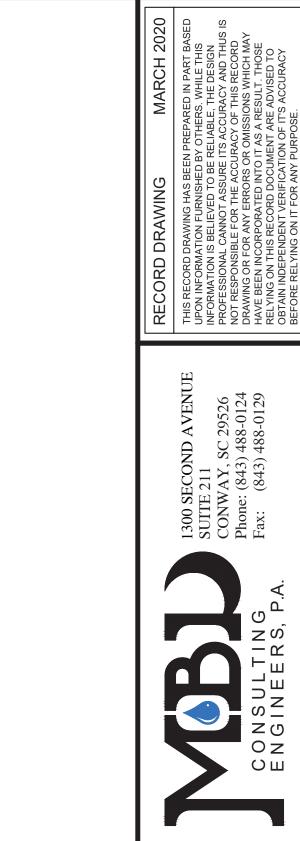
SLUDGE DEWATERING
FACILITY
GRAND STRAND WATER AND

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Date: MAR. 2020
Drawn: DC

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Job No.: 317010

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SLUDGE HOLDING TANK SECTIONS

BULL CREEK WTP
SLUDGE DEWATERING
FACILITY
GRAND STRAND WATER AND
SEWER AUTHORITY

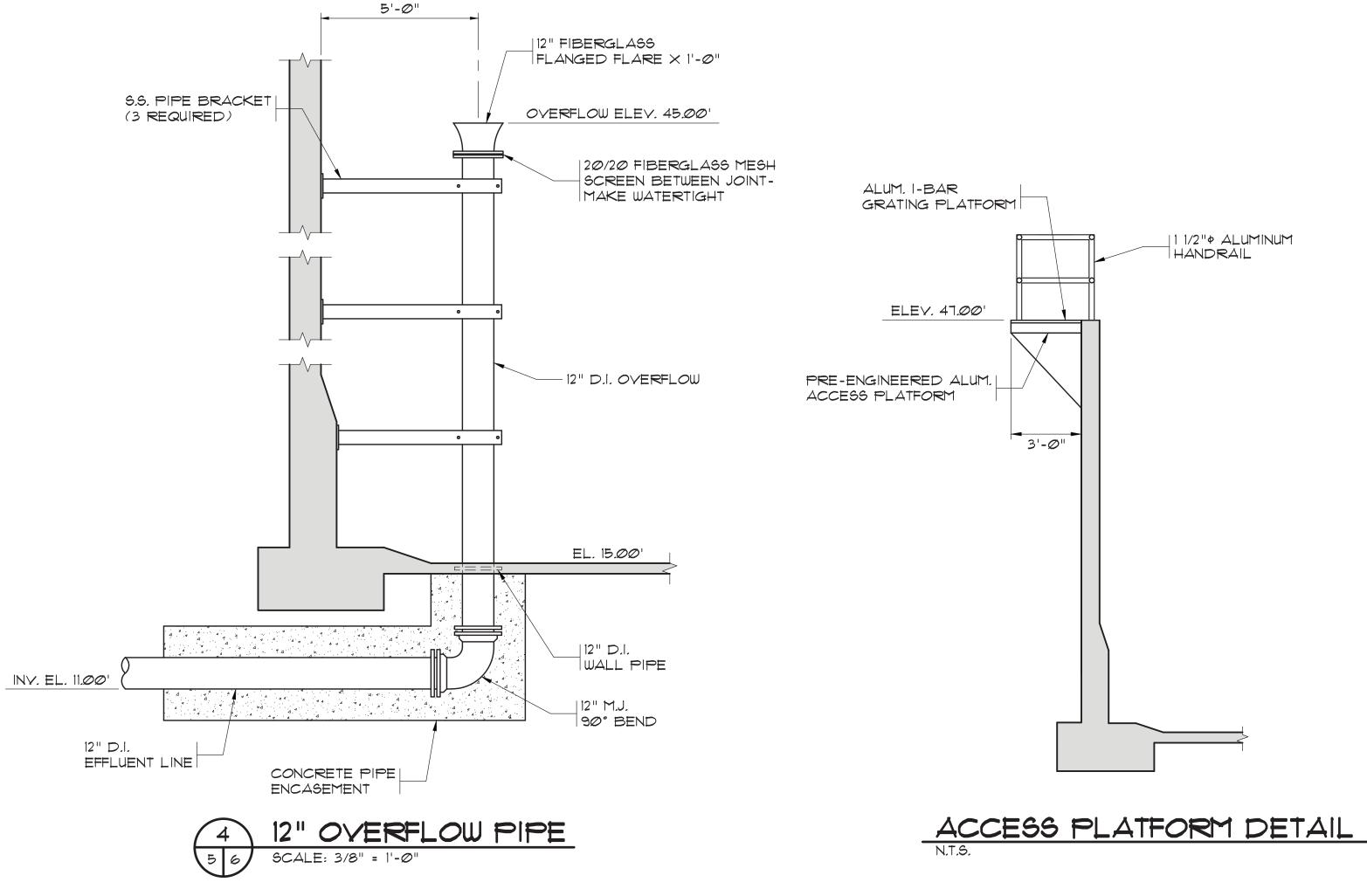
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Date: MAR. 2020
Drawn: DC

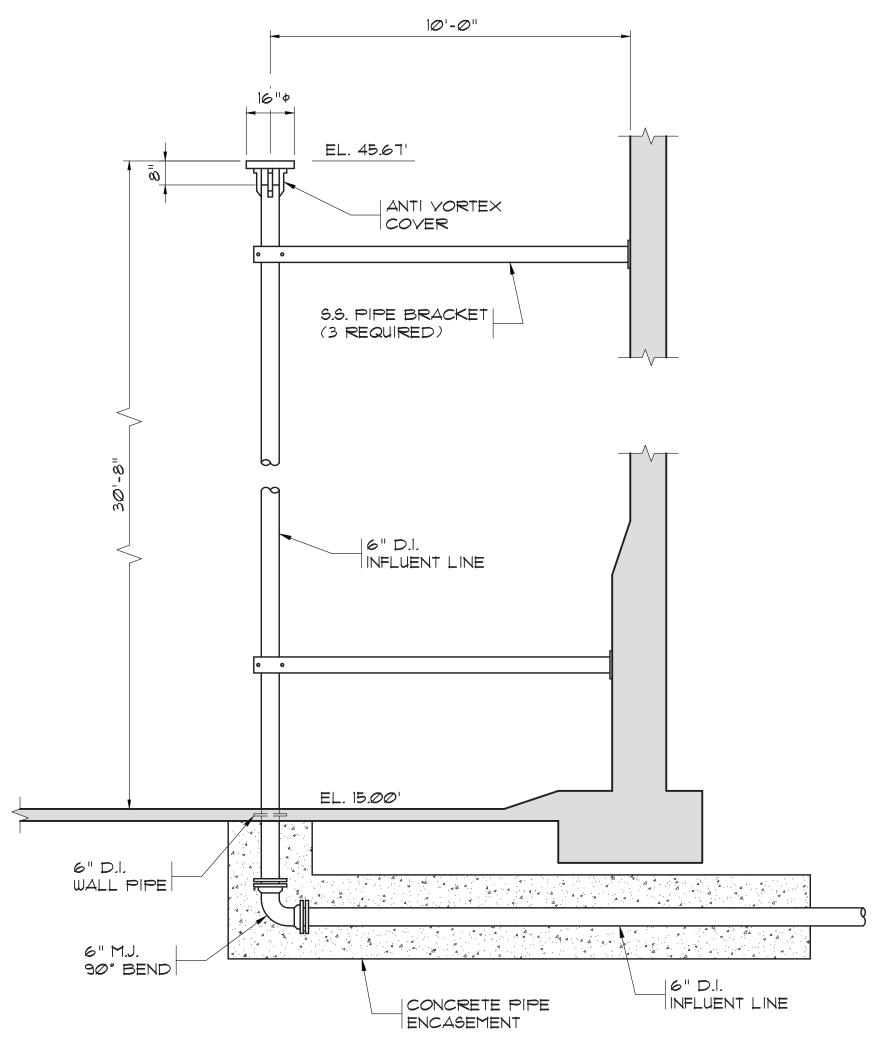
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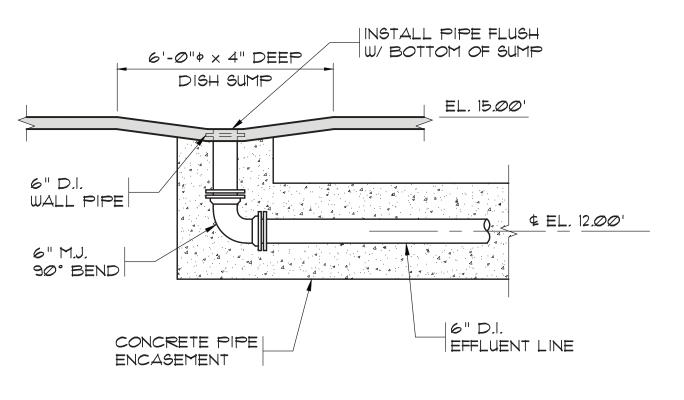
EN-6

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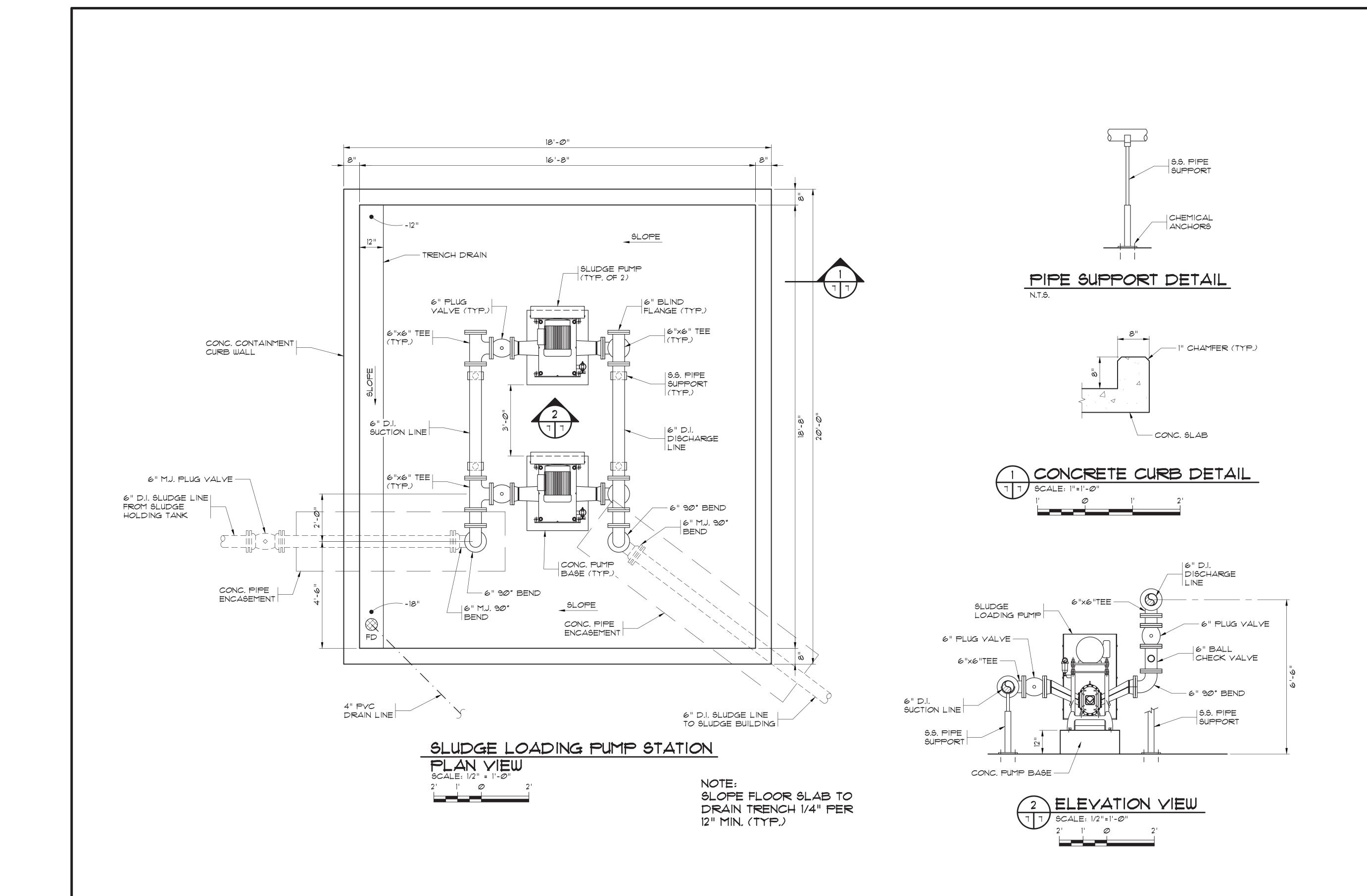


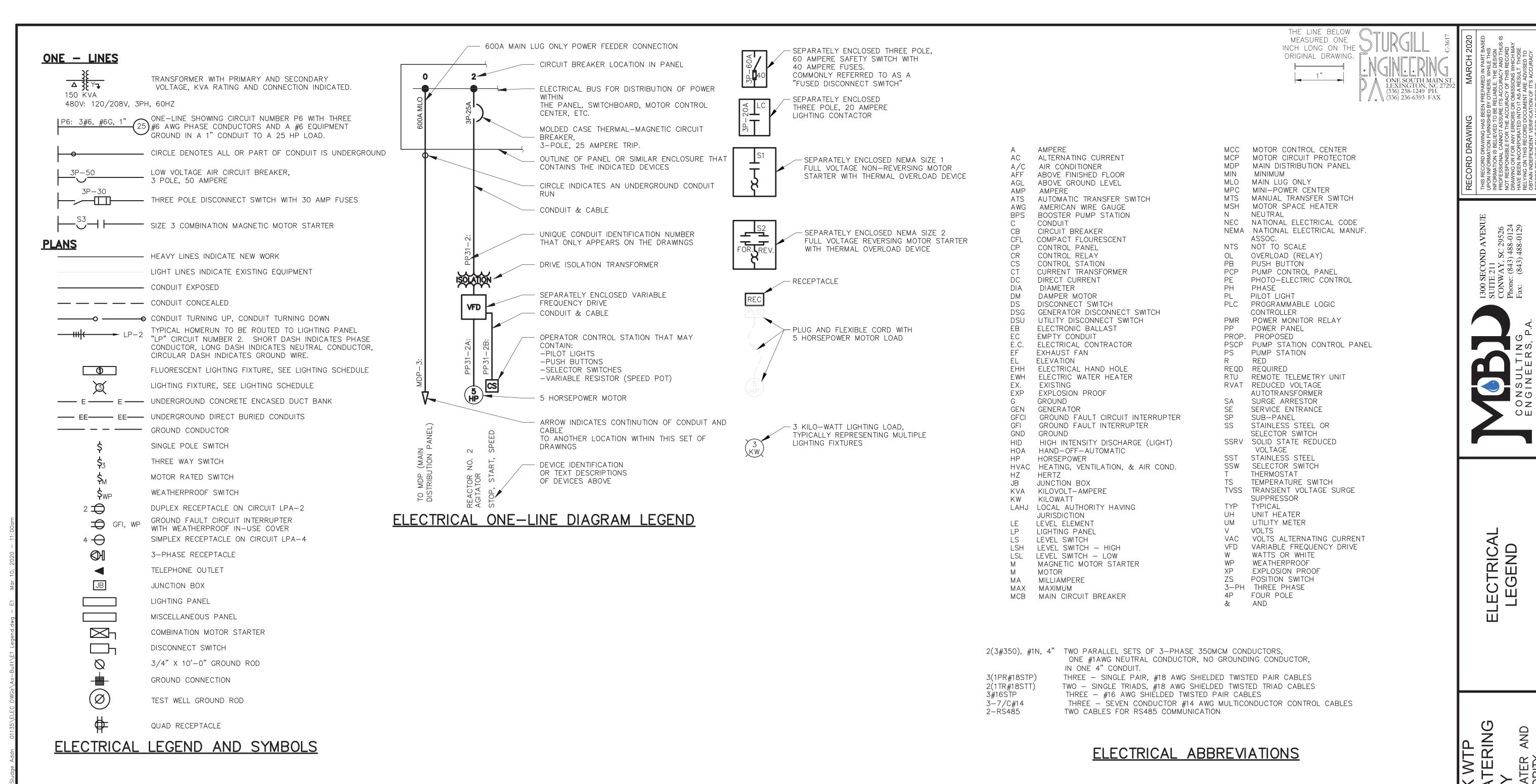
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EN-7





GENERAL NOTES:

- 1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, PERMITS, AND OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK INDICATED ON THE DRAWINGS.
- 2. ALL ELECTRICAL WORK AND MATERIALS SHALL COMPLY WITH THE NEC AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED OR LABELED.
- 3. CONTRACTOR SHALL COORDINATE ROUTING OF CONDUITS WITH THE OWNER AND OTHER TRADES.
- 4. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS AND CONNECTION POINTS PRIOR TO INSTALLATION.

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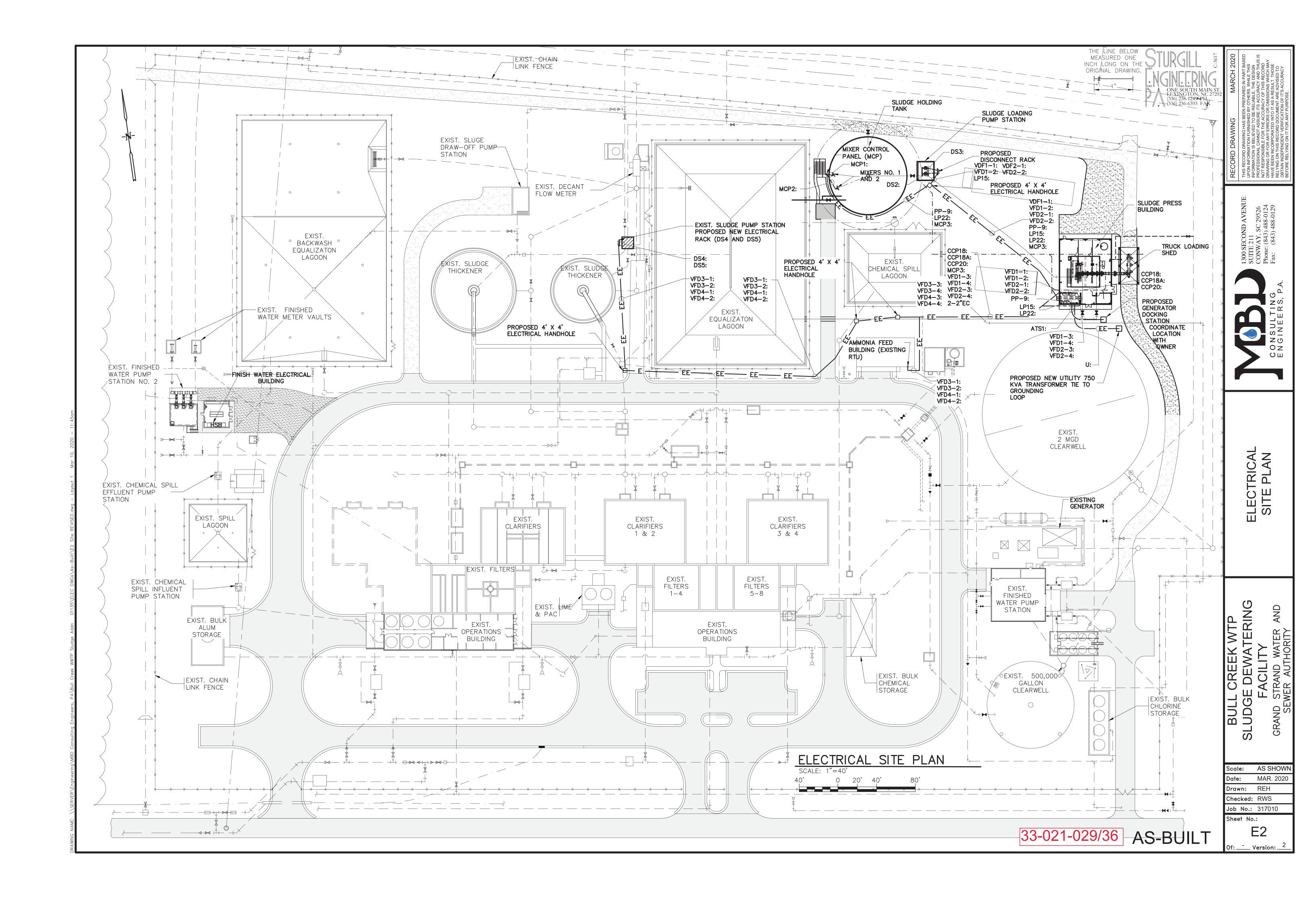
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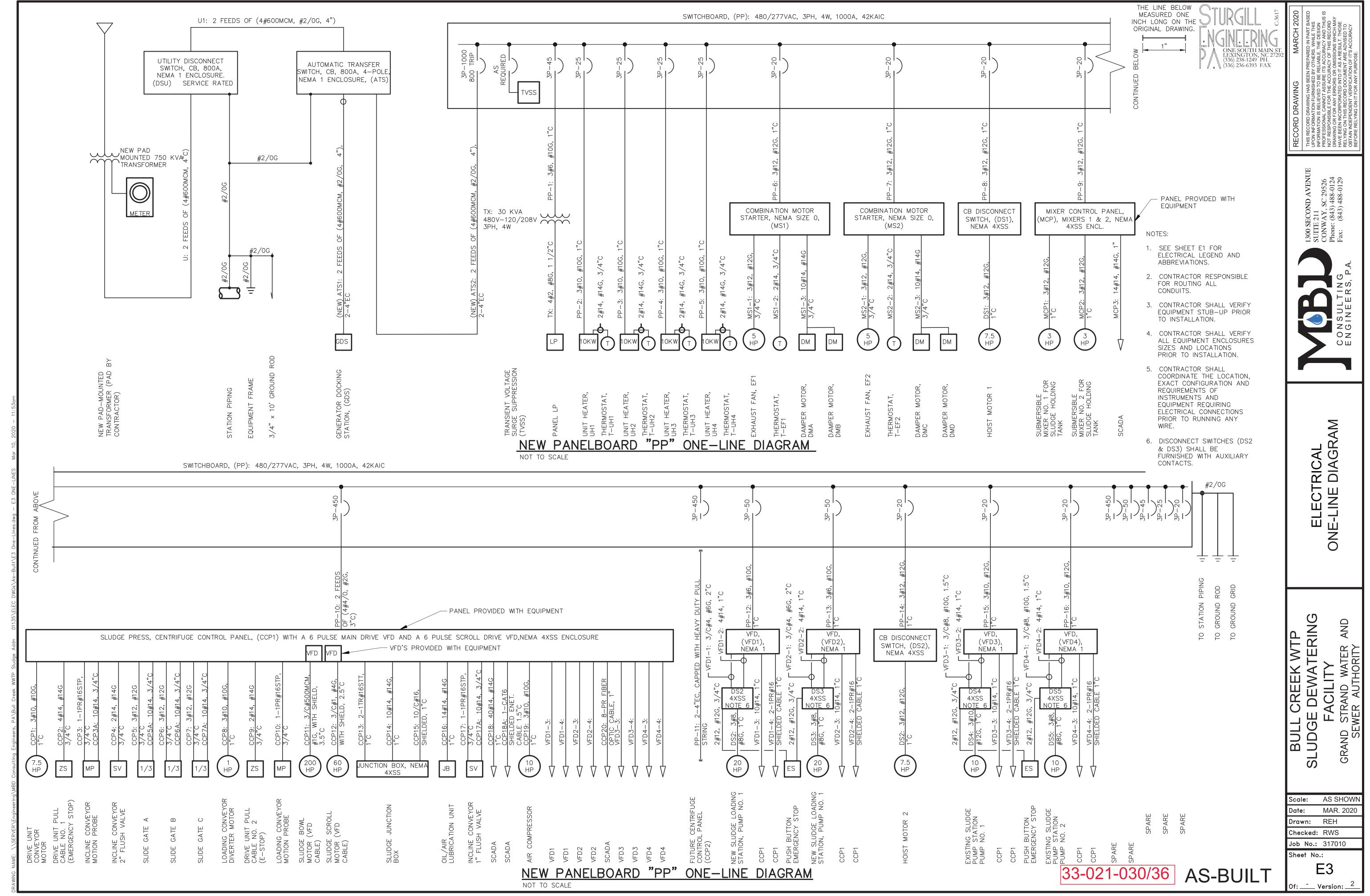
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ECOND AVENU § 211 VAY, SC 29526 : (843) 488-0124 (843) 488-0129

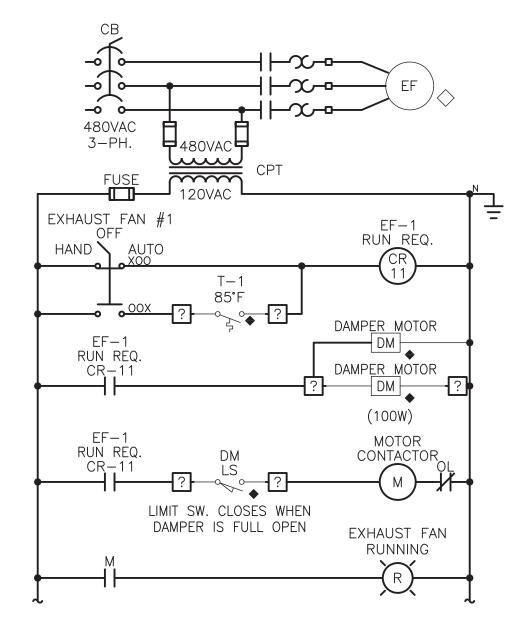
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EXHAUST FAN & DAMPER CONTROL

NOT TO SCALE: (TYPICAL FOR EF-1,2

NOTES:

- 1. SEE SHEET E1 FOR ELECTRICAL LEGEND AND ABBREVIATIONS.
- 2. UNLESS OTHERWISE NOTED, DEVICES INDICATED ON THIS DRAWING SHALL BE SUPPLIED AS AN INTEGRAL PART OF THE PUMP DRIVE (VFD, SSRV, CONTACTORS, CONTROLS, ETC.) DEVICES LOCATED REMOTELY ARE IDENTIFIED BY A LOCATION SYMBOL AS DEFINED IN THE DEVICE LOCATION LEGEND.
- 3. RELAY AND TIMER DESIGNATIONS APPLY TO THE INDIVIDUAL SCHEMATIC ONLY.
- 4. CONTROL SETTINGS, ALARM LIMITS, TIMER SETTINGS AND ADJUSTABLE PARAMETERS ARE INTENDED TO BE FOR THE INITIAL START—UP. ADJUSTABLE SETTINGS SHALL BE TESTED AND CHANGED BY THE CONTRACTOR, IF REQUIRED FOR PROPER OPERATION.
- 5. MOTOR STARTER SCHEMATICS INDICATE GENERAL CONTROLS AND SEQUENCING. EQUIPMENT SUPPLIER SHALL ADAPT THE SPECIFIC PACKAGE TO PROVIDE A FULLY FUNCTIONAL SYSTEM.
- 6. CONTROL SCHEMATICS ARE A DIAGRAMMATIC REPRESENTATION TO INDICATE THE MINIMUM ACCEPTABLE CONTROL FUNCTIONS. ACTUAL CONTROL LOGIC WILL DEPEND ON DRIVE MANUFACTURER'S CONTROL.
- 7. SCHEMATICS ARE TYPICAL. CONFIRM EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIED.

PANEL: LP VOLTA			ΓAGE:		208Y/120 VOLT, 3PH, 4W, 60 Hz					100% NEUTRAL BUS								
LOCATION: ELECTRICALE ROOM			MAIN	S:	MLO					* LOCA	ON							
FED FROM: TX1						100	AMP N	IAIN BF	EAKE	₽	SHU	NT T	RIP					
MOUNTING: UNITIZED SWITC					CHGEAR			FLUS	SH .	X	SURFACI	MINIMUM AICRATING: 10 KA						
			DEVICE BRANCH CIRCUIT										BRANCH CIRCUIT	DE	MŒ			
NOTES	COND SIZE	WIRESIZE	AMPTRIP	POLES	DESIGNATION		NO.	PHASE LOAD (VOLT-AMPS)		NO.	VOLT- AMPS	DESIGNATION	POLES	AMPTRP	WIRESIZE	COND SIZE	NOTES	
	3/4	12	20	1	EXTERIOR LIGHTING		1	318	$\overline{}$	$\overline{}$	2	0	SPARE	1	20	-	-	Н
	3/4	12	20	1	ELECTRICAL ROOM AND LAB LIGHTING	322	3	>>	1988	\supset	4	1666	SLUDGE ROOM LIGHTING	1	20	12	3/4	
	3/4	12	20	1	SLUDGE ROOM LIGHTING	1666	5		\times	2266	6	600	LIGHTS UNDER SLUDGE PLATFORM	1	20	12	3/4	
	3/4	12	20	1	SLUDGE ROOM RECEPTACLES	900	7	2520	\supset	\times	8	1620	LAB RECEPTACLES	1	20	12	3/4	
	-	-	20	1	SPARE		9	$\supset \subset$	1800	\supset	10	1800	LAB RECEPTACLES	1	20	12	3/4	
	-	-	20	1	SPARE		11	$\supset \subset$	> <	1080	12	1080	ELECTRICAL ROOM RECEPTACLES	1	20	12	3/4	
	3/4	12	20	1	MAGMETER		13	2540	\supset	>	14	2040	AHU-1/HP-1	2	20	12	3/4	
	3/4	12	20	1	GFI RECEPTACLE ON RACK AT PS (DS1 & DS2)		15	$\supset \subset$	2220	$\supset \subset$	16	2040	74 IO-1/11 - 1		20	12	J-T	
	-	-	20	1	SPARE		17	$\supset <$	> <	2375	18	2375	AHU-2/HP-2	2	20	12	3/4	
		-	20	2	SPARE		19	2375	> <	> <	20	2375	7102112		20	12		
		-		_			21	> <	180	\times	22	180	GFI RECEPTACLE AT (MCP)	1	20	12	3/4	
	_	-	20	2			23	$\geq \leq$	$\geq <$	1800	24	1800	POLYBEAND POLYMER FEED UNIT	1	20	12	3/4	
		-		_			25	0	> <	><	26	0	SPARE	1	20	12	3/4	
	-	-	20	1	SPARE		27	$\geq \leq$	1000	\geq	28	1000	CARD READER	1	20	12	3/4	
	-	-	20	1	SPARE	0	29	$\geq \leq$	\geq	0	30	0	SPARE	1	20	-	-	
	-	-	20	1	SPARE	0	31	0	$\geq \leq$	\geq	32	0	SPARE	1	20	-]	-	
	-	-	20	1	SPARE		33	$\geq \leq$	0	><	34	0	SPARE	1	20	-	-	
	-	-	20	1	SPARE		35	$\geq \leq$	$\geq \leq$	0	36	0	SPARE	1	20	-	-	
	-	-	20	1	SPARE	0	37	0	$\geq \leq$	$\geq \leq$	38	0	SPARE		30	-	-	
	-	-	20	1	SPARE	0	39	\geq	0	$\geq \leq$	40	0	SPARE		30	10	3/4	
	-	-	20	1	SPARE		41	\geq	$\geq \leq$	0	42	0		2		10		
					TOTALS PER PHASE			7753	7188	7521			TOTAL CONNECTED LOAD (VA)	22	2,462			
		TOTALS AMPS PER PHASE						65	60	63								
NOTES: NEWA 12 SS ENCLOSURE																		

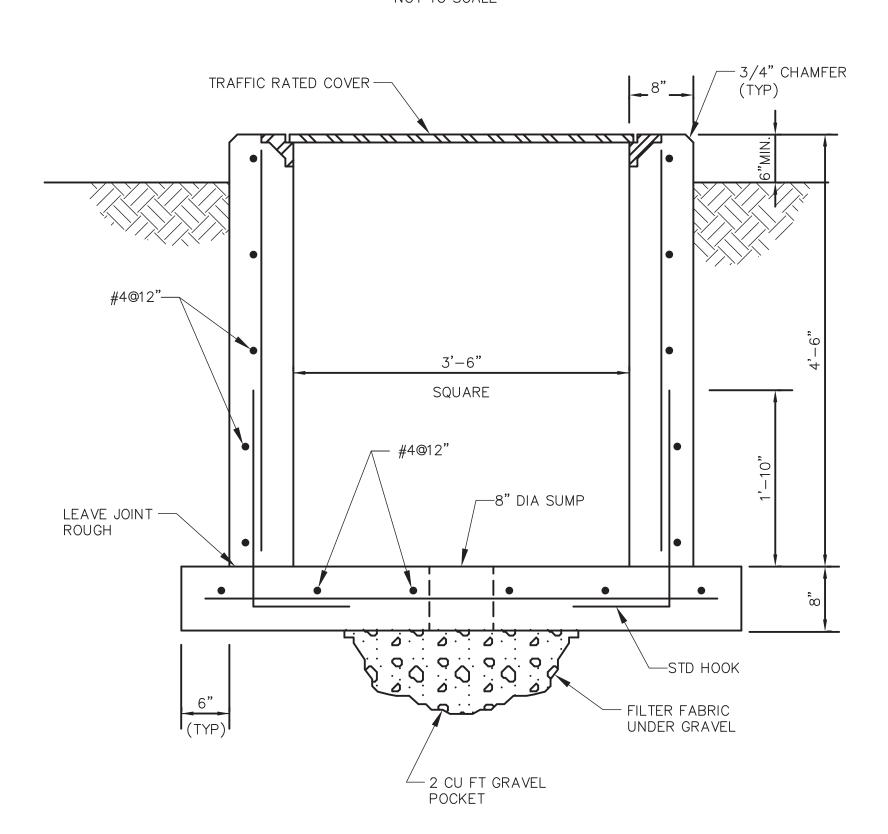
FINISH GRADE STONE FREE COMPACTED BACKFILL 6" WIDE (MIN.) WARNING TAPÉ 1 1/2" MIN TO FORMED WITH METAL STRIP SURFACE. 3" MIN TO EXCAVATION 11/2" MIN -3" MAX TO TOP #5 BARS @ 8" SURFACE BETWÉEN ⁴ #3 U BARS @ 24",T & B 1" MIN CLEARANCE BETWEEN CONDUITS AND HIGH IMPACT TYPE — CONDUIT AS REQUIRED SPACERS ON 8'-0 MAX CENTERS (TYP) _ 1 - 1/2" X 8" CONCRETE BRICK UNDER SPACERS

THE LINE BELOW MEASURED ONE

INCH LONG ON THE ORIGINAL DRAWING.

TYP CONCRETE ENCASED CONDUIT SECTION

NOT TO SCALE

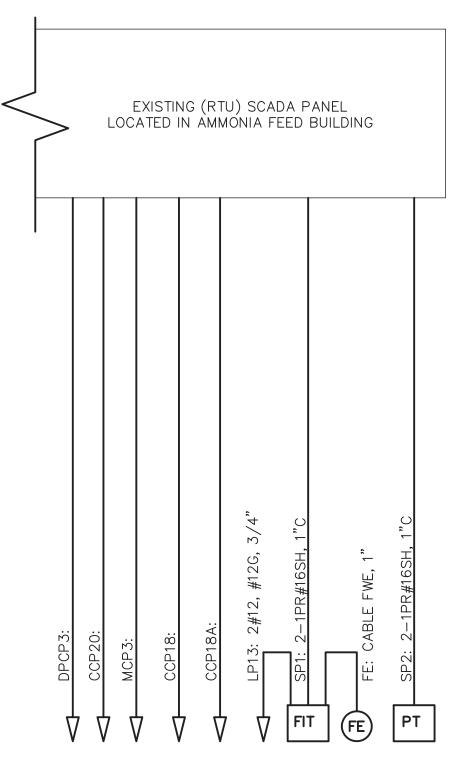


TYPICAL ELECTRICAL HANDHOLE DETAIL NOT TO SCALE

1. PRECAST MANHOLE MEETING ABOVE REQUIREMENTS IS ACCEPTABLE. (TYPE 1)

2. HANDHOLE AND COVER ARE TO BE TRAFFIC RATED AND SHALL BE SUITABLE FOR H-20 LOADS.

CENTRIFUGE PANEL SCHEDULE NOT TO SCALE:



33-021-031/36 AS-BUILT

CORD DRAWING HAS BEEN PREPARED IN PART BAS INFORMATION FURNISHED BY OTHERS. WHILE THIS SECORD DRAWING HAS BEEN PREPARED IN PART BAS INFORMATION FURNISHED BY OTHERS. WHILE THIS ESPONSIBLE FOR THE ACCURACY OF THIS RECORD ING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY BEEN INCORPORATED INTO IT AS A RESULT. THOSE INGOING AND THIS RECORD DRAWING INTO IT AS A RESULT. THOSE INGOING INTO IT AS A RESULT. THOSE INTO IT AS A RESULT. THOSE INGOING INTO IT AS A RESULT. THOSE INTO IT AS

CONSULTING Fax:

ELECTRICAL MISCELLANEOUS
CONTROL SCHEMATICS,
PANEL SCHEDULE, SCADA
ONE-LINE AND DETAILS

SLUDGE DEWATERING
FACILITY
GRAND STRAND WATER AND

Scale: AS SHOWN

Date: MAR. 2020

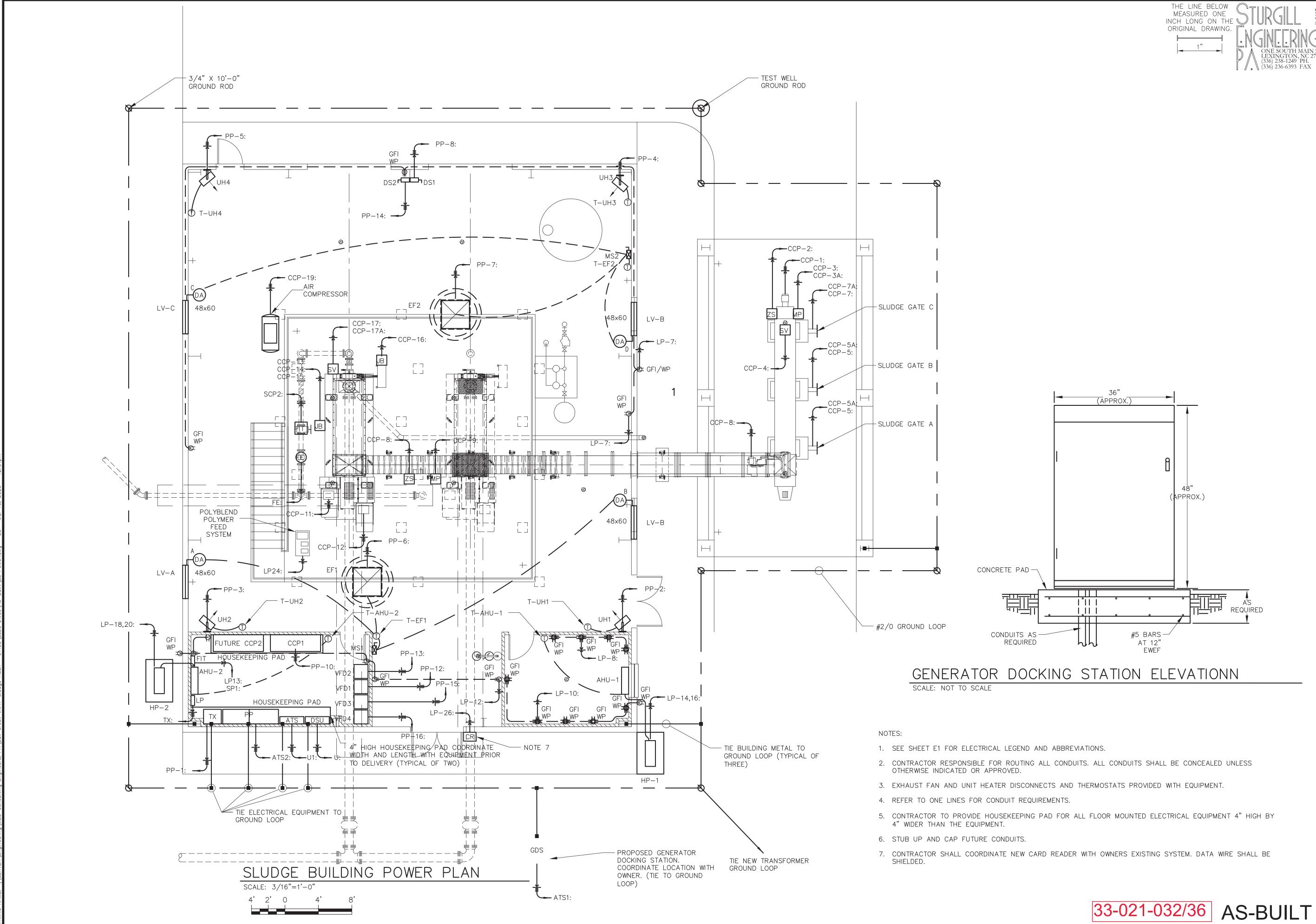
Drawn: REH

Checked: RWS

Job No.: 317010

Sheet No.: **E4**

Of: ____ Version: ___



THIS UPO INFC PRO NOT DRA HAV REL OBI

BUILDIN PLAN

BULL SLUDGE

Scale: AS SHOWN Date: MAR. 2020

Drawn: REH Checked: RWS Job No.: 317010

Of: ____ Version: __2

Sheet No.:

Scale: AS SHOWN MAR. 2020 Date: Drawn: REH

Checked: RWS Job No.: 317010

Sheet No.: **E**6

Of: $\underline{}$ Version: $\underline{}$

JARVIS LIGHTING WMFT-250 OR APPROVED EQUIVALENT. 33-021-033/36 AS-BUILT

MANUFACTURER'S PART NUMBER

LITHONIA COLUMBIA DECO DWP-LED-150-50-UNV-A-CM OR APPROVED EQUIVALENT.

DECO DWP-LED-300-50-UNV-A-V-HOOK

COLUMBIA LAW2-40HL-EU METALUX

OR APPROVED EQUIVALENT.

OR APPROVED EQUIVALENT.

ITHONIA EU2-LED-M12

OR APPROVED EQUIVALENT.

ITHONIA ECR LED M6

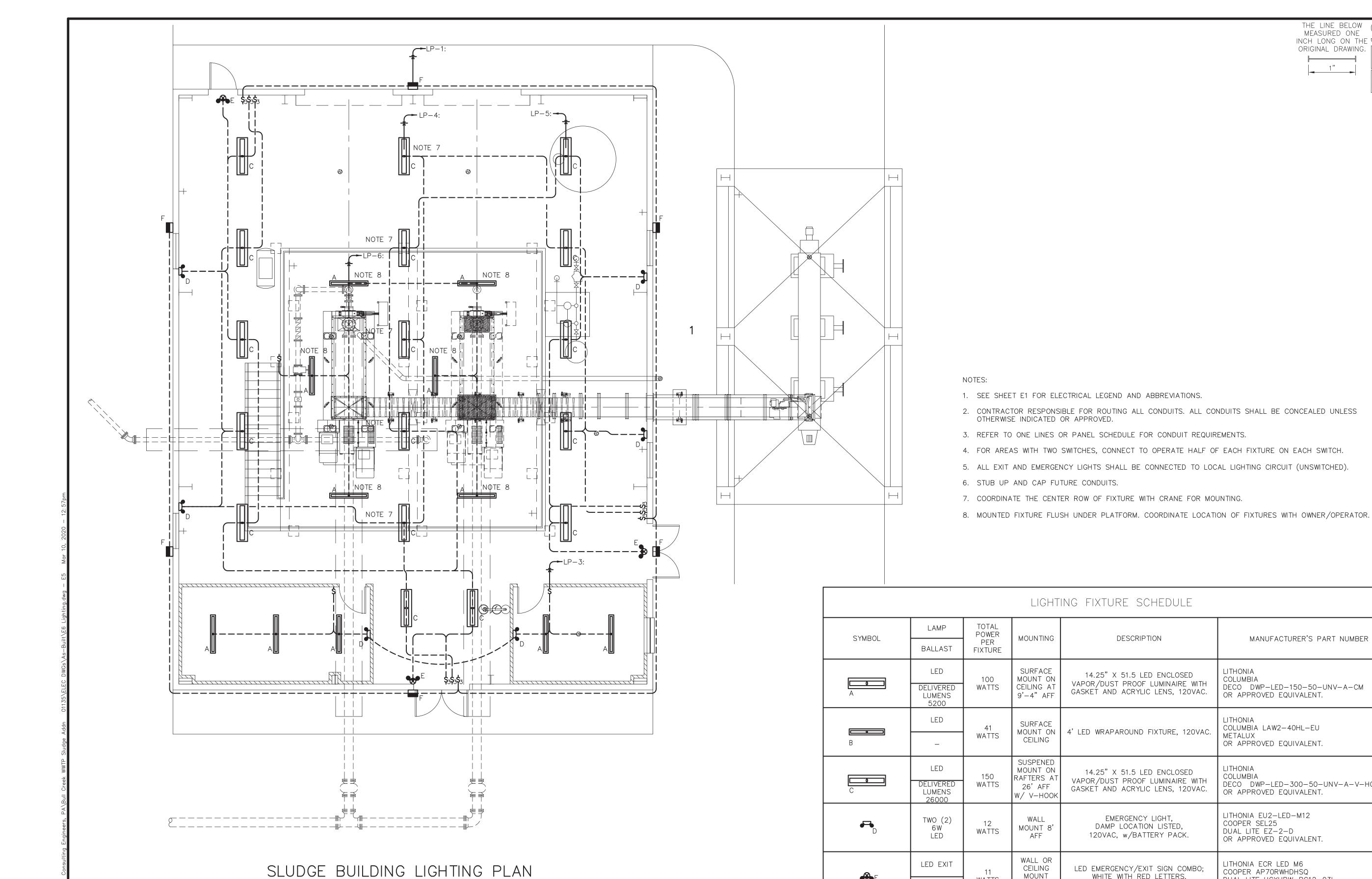
COOPER AP70RWHDHSQ

DUAL LITE HCXURW-RC12-03L OR APPROVED EQUIVALENT.

COLUMBIA

COOPER SEL25

DUAL LITE EZ-2-D



SCALE: 3/16"=1'-0"

₽E

MOUNT

ABOVE

DOOR

EXTERIOR

WALL SURFACE

MOUNTED

WATTS

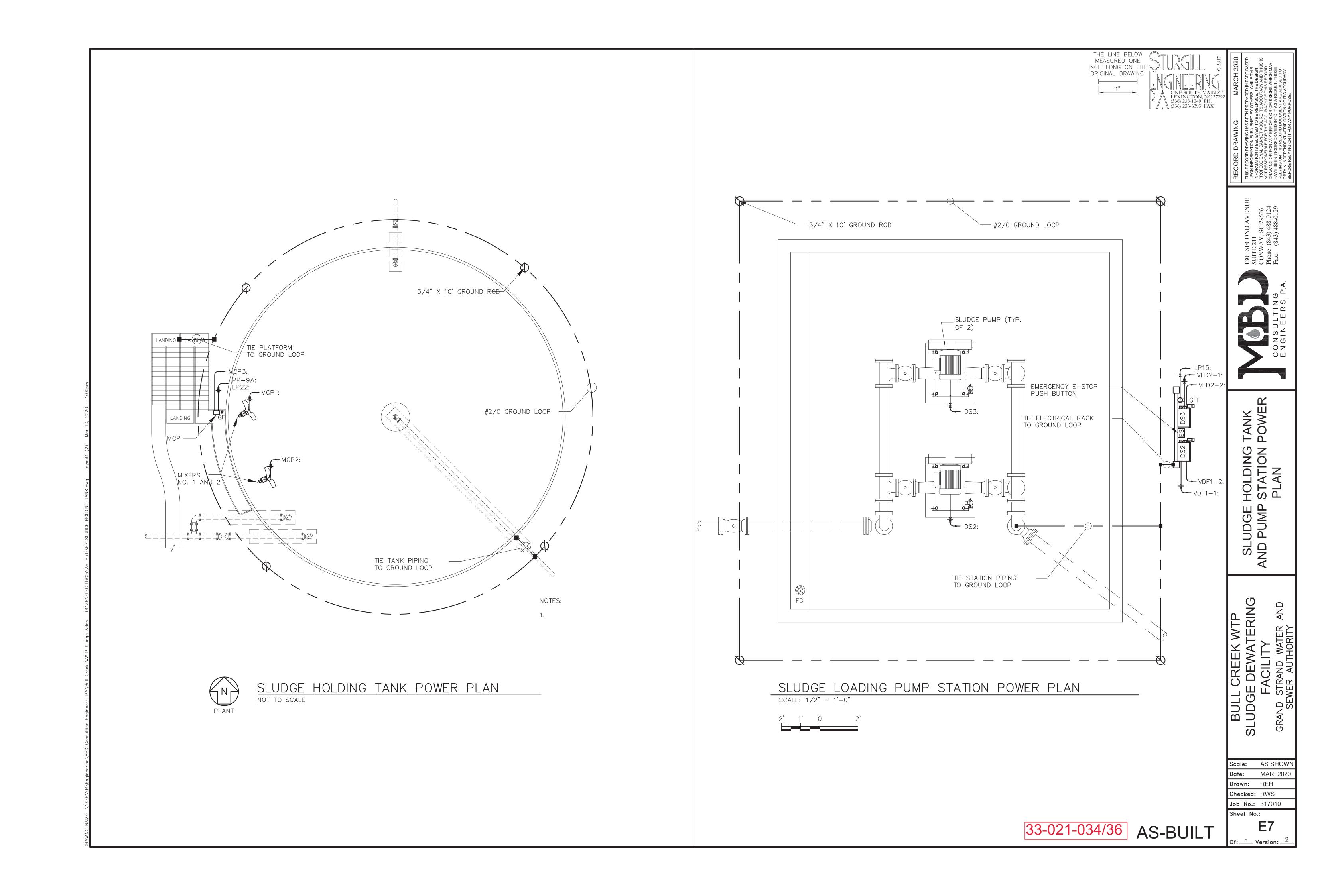
WATTS

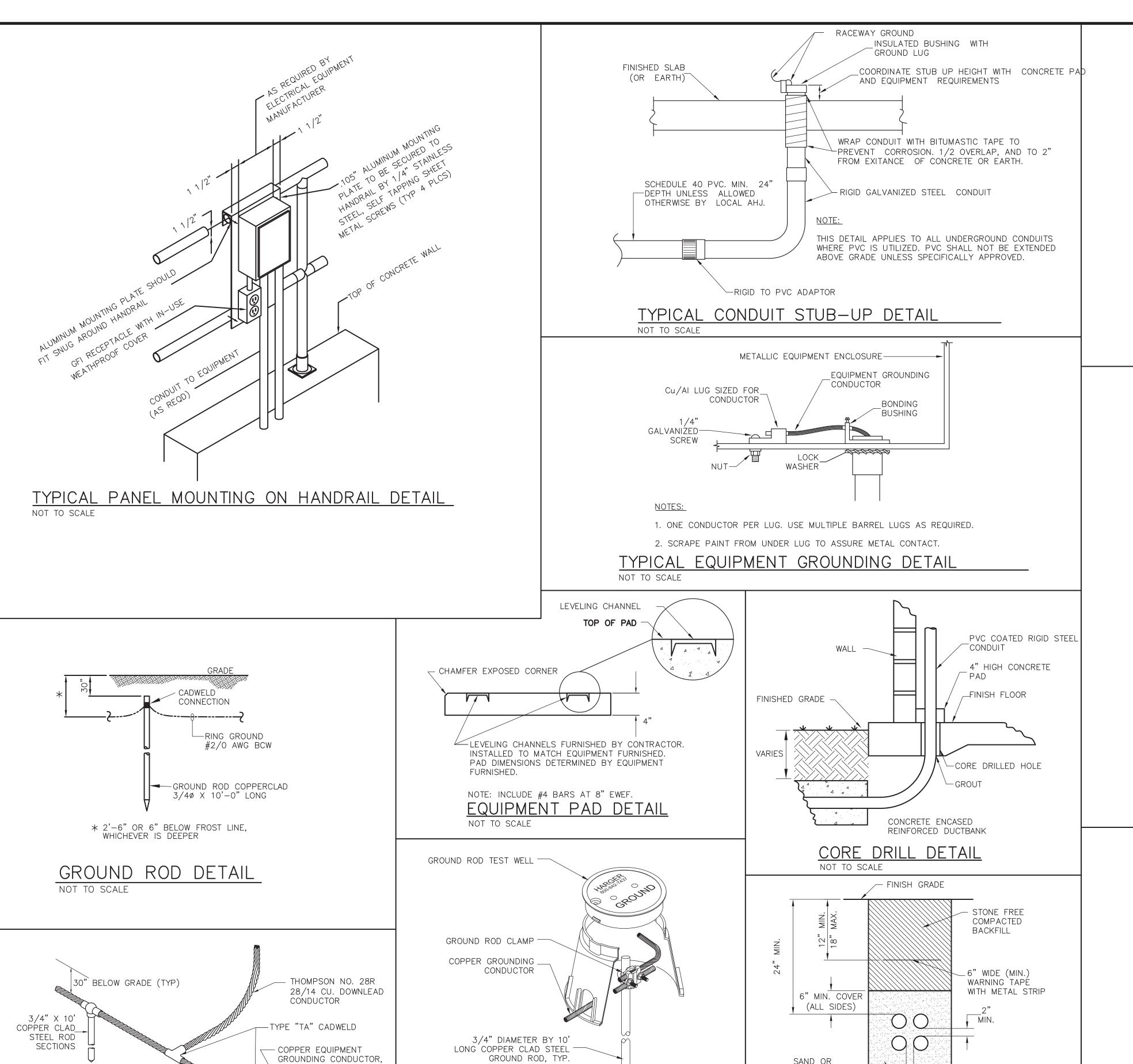
TWO (2) LEDS

WHITE WITH RED LETTERS,

120VAC. WITH BATTERY PACK

FORWARD THROW WALL PACK, LED, SECURITY





GROUND ROD TEST WELL DETAIL

SAND OR

SELECT FILL

NOT TO SCALE

(STONE FREE EARTH) 2"

TYPICAL DIRECT BURIED

CONDUIT SECTION

CONDUIT TYPE PER SPECIFICATIONS.
SIZE PER ONE—LINE DIAGRAMS.

SECTIONS

#2/0 COPPER GROUND LOOP

(OR AS INDICATED)-

GROUND LOOP DETAIL

- COPPER EQUIPMENT

SIZE PER NEC

GROUNDING CONDUCTOR,

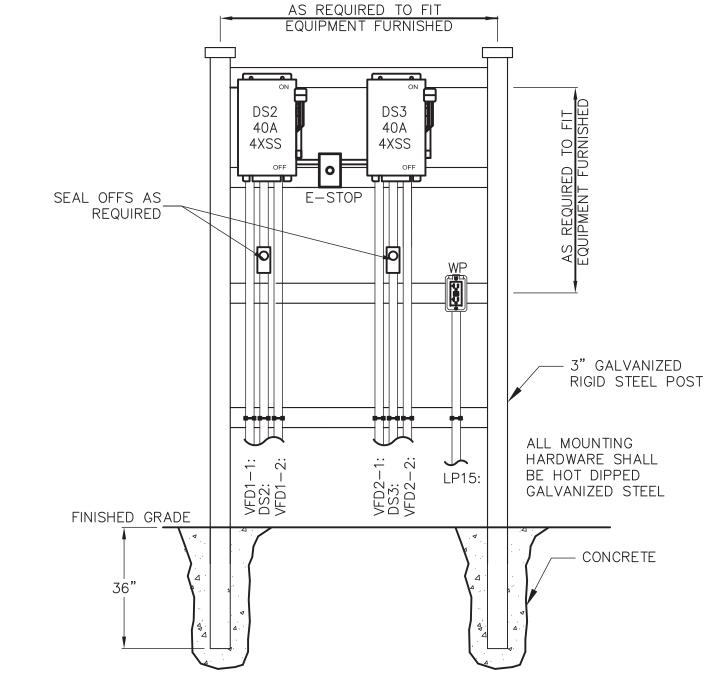
PANEL "A" 120/208V, 3ø, 4W, 225A FED FROM MDP-21 ONE SOUTH MAIN LEXINGTON, NC 2 (336) 238-1249 PH. (336) 236-6393 FAX INSTALLED 12/23/02 DISC AHU#1 120/208V, 3ø, 4W, 100A FED FROM PP-2,4,6 INSTALLED 12/23/02 PANEL "AA" 120/208V, 3ø, 4W, 225A SUB-FED FROM PNL "A" INSTALLED 12/23/02 NOTE:

1. SUBMIT COMPLETE LIST OF PROPOSED NAMEPLATES TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO FABRICATIÓN.

THE LINE BELOW MEASURED ONE INCH LONG ON THE

ORIGINAL DRAWING.

TYPICAL NAMEPLATE DETAIL NOT TO SCALE



SLUDGE PUMP STATION DISCONNECT RACK

BULL CREEK V SLUDGE DEWAT FACILITY GRAND STRAND WATE SEWER AUTHORI S

TRIC/

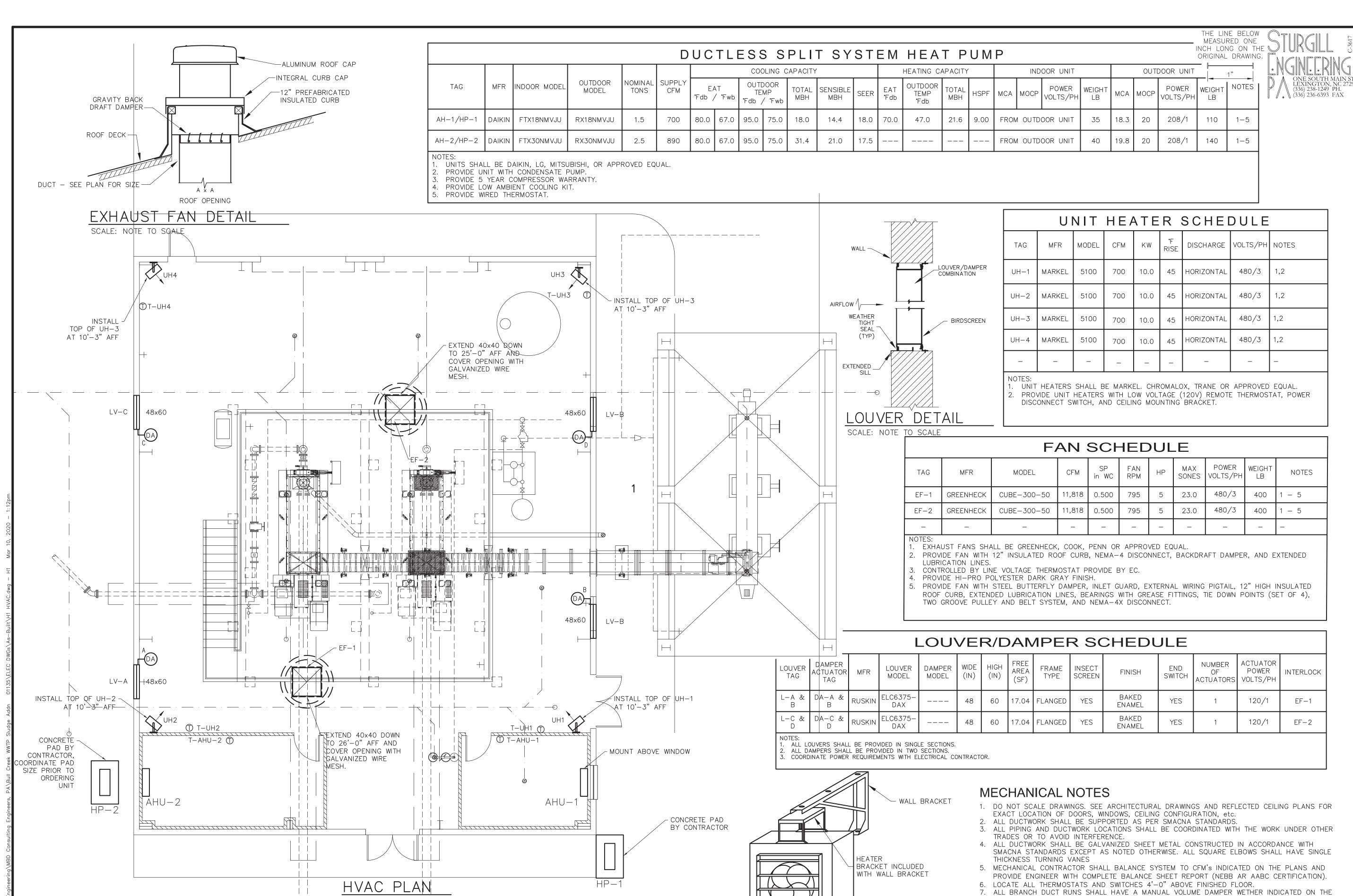
K | Eyrsynshe

Scale: AS SHOWN MAR. 2020 Date: Drawn: REH Checked: RWS Job No.: 317010

33-021-035/36 AS-BUILT

Sheet No.:

Of: ____ Version: __2



UNIT HEATER MOUNTING DETAIL

SCALE: NOTE TO SCALE

33-021-036/36 AS-BUILT

DRAWINGS OR NOT.

INSTALLING CONTRACTOR.

PLANS ARE INSIDE CLEAR.

9. ALL DUCT DIMENSIONS SHOWN OR NOTED ON

MAR. 2020 Date: Drawn: REH 8. ALL CUTTING, PATCHING OF SLAB, ROOF OR OTHER BUILDING COMPONENTS TO BE BY THE Checked: RWS Job No.: 317010 Sheet No.:

BULL UDGE

H1 f: ____ Version: _

Scale: AS SHOWN

THIS UPC NOT NOT DRY HAN HAN SEE

1300 SECOND AVENU SUITE 211 CONWAY, SC 29526 Phone: (843) 488-0124 Fax: (843) 488-0129