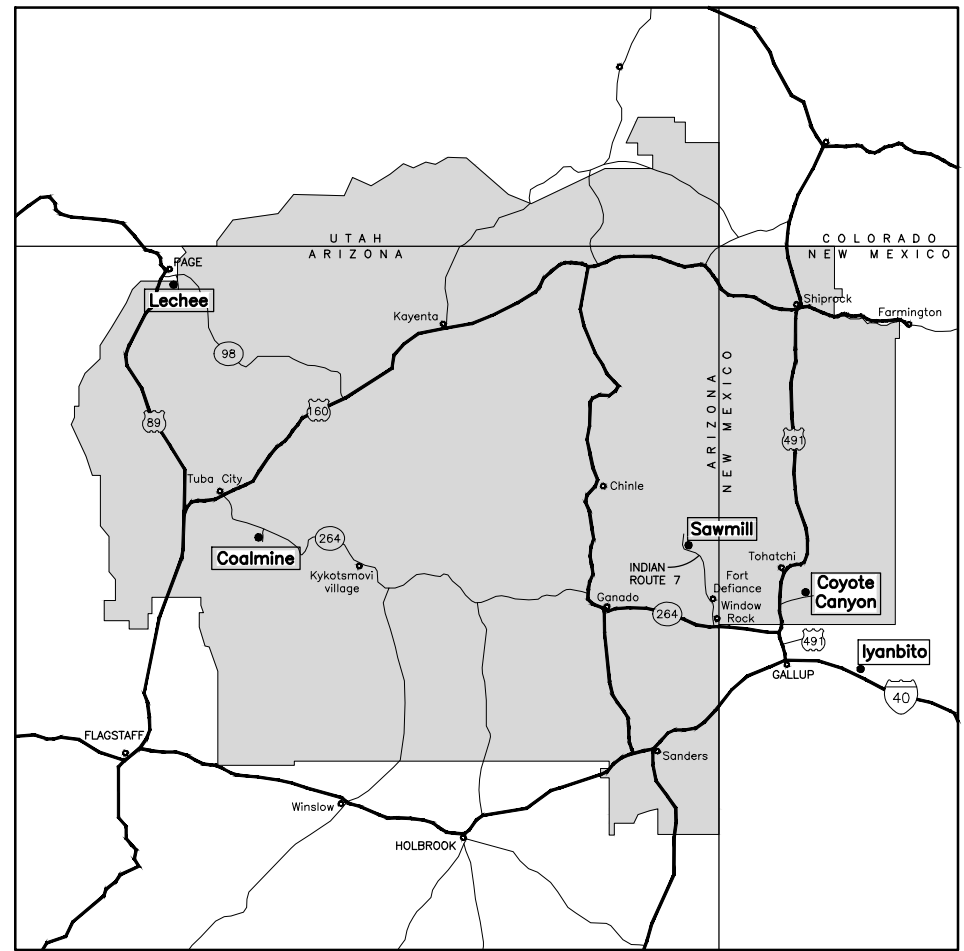


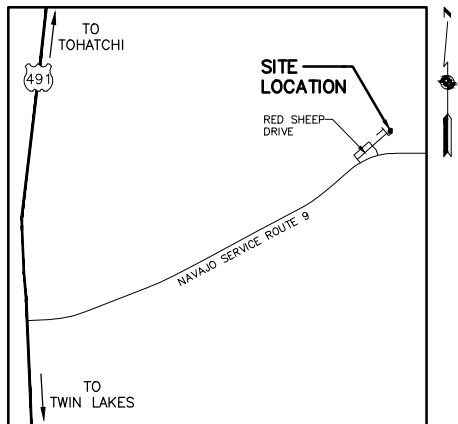


DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES NAVAJO TRIBAL UTILITY AUTHORITY 100% FOR CONSTRUCTION NOVEMBER 20, 2025



LOCATION MAP

↑
N
Not to Scale



COYOTE CANYON
SITE LATITUDE: 35°45'57"N
LONGITUDE: 108°42'21"W
VICINITY MAPS

APPROVAL

ENGINEERING AND TECHNICAL SERVICES DIVISION

DATE

[Signature] 12-02-2025

CIVIL ENGINEER

DATE

DRAWING INDEX

GENERAL	DESCRIPTION
G-01	COVER SHEET AND VICINITY MAPS
G-02	GENERAL NOTES, ABBREVIATIONS, AND DRAWING INDEX
G-03	GENERAL SITE NOTES, SYMBOLS AND CIVIL LEGEND
G-04	GENERAL STRUCTURAL NOTES
CIVIL	
C-05	COYOTE CANYON SITE DEMOLITION PLAN AND SITE IMPROVEMENTS PLAN
C-08	SHADE CANOPY PLAN AND SECTIONS
C-11	CIVIL DETAILS AND SPECIFICATIONS
MECHANICAL	
M-01	EQUIPMENT SCHEDULES AND SPECIFICATIONS
M-05	COYOTE CANYON WETWELL REMOVALS AND IMPROVEMENTS
M-07	MISCELLANEOUS DETAILS
ELECTRICAL	
E-01	ELECTRICAL NOTES, SYMBOLS, AND LEGEND
E-02	SINGLE LINE DIAGRAM
E-03	ELECTRICAL SCHEDULES
E-04	ELECTRICAL DEMOLITION AND INSTALLATION PLANS
E-05	CONNECTION DIAGRAMS
E-06	RTU COMMUNICATION DIAGRAM
E-07	CONDUIT BLOCK DIAGRAM
E-08	ELECTRICAL DETAILS
INSTRUMENTATION	
I-01	PROCESS AND INSTRUMENTATION DIAGRAM
I-02	SYMBOLS, AND LEGEND
	P&ID

NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES

COVER SHEET AND VICINITY MAPS

No.	Revision Note	Date	Drawn	Check



Drawn by: KWB
Design by: LAH
Approved by: RN
Date: 11/20/2025
Project No.:
Sheet No.: G-01

GENERAL SITE NOTES:

- SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS IS A BASE MAP PREPARED BY ENGINEER USING A CLOTH TAPE, AUGUST 2020. VERTICAL ELEVATIONS NOT OBTAINED. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION.
- EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
- HORIZONTAL DATUM: NOT USED
VERTICAL DATUM: NOT USED

GENERAL YARD PIPING AND UTILITIES NOTES:

- EXISTING UNDERGROUND UTILITIES OBTAINED FROM AS-BUILTS AND DRAWINGS PROVIDED BY NTUA, FIELD OBSERVATIONS BY NTUA AND ENGINEER, AND FROM FIELD MEASUREMENTS. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO EXCAVATION. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
- EXISTING PIPING AND EQUIPMENT ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW PIPING AND EQUIPMENT ARE SHOWN HEAVY-LINED.
- UNLESS OTHERWISE SHOWN, ALL PIPING SHALL HAVE A MINIMUM OF 4' COVER.
- ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
- RESTORE DIRT AND/OR GRAVEL ROADS TO CONDITIONS THAT EXISTED BEFORE START OF CONSTRUCTION.

CIVIL LEGEND

	CONTOUR LINE		SANITARY VALVE, FORCEMAIN OR GRAVITY SEWER		UNDERGROUND TELEPHONE MARKER
	EMBANKMENT AND SLOPE		VEGETATION		VENT PIPE
	DRAINAGEWAY OR DITCH		UTILITY, WATER VALVE		POWER POLE
	CATCH BASIN		IRRIGATION VALVE		EXTERIOR FLOOD LIGHT
	DROP INLET		STORM DRAIN MANHOLE		POWER PEDESTAL
	MANHOLE OR VAULT		PROPERTY CORNER PIN		ELECTRIC BOX
	TREE		LIGHT		TEMPORARY BENCHMARK
	BRUSH/TREE LINE		ELECTRIC BOX		EXISTING DIRT ROAD
	STRUCTURE, BUILDING OR FACILITY		WATER LINE		SITE CONTROL POINT
	DEMOLISH OR REMOVE		SANITARY SEWER LINE		TELEPHONE MANHOLE
	GRAVEL OR ABC SURFACING		UNDERGROUND GAS LINE		ELECTRICAL TRANSFORMER
	CONCRETE		UNDERGROUND CABLE TV LINE		TRAFFIC SIGNAL LIGHT
	RIP RAP		RIGHT OF WAY		ELECTRIC METER
	CURB		WELL PUMPOUT DRAIN LINE		CABLE TV MARKER
	CURB AND GUTTER		UNDERGROUND ELECTRICAL LINE		EXISTING BOLLARD
	SINGLE SWING GATE		OVERHEAD ELECTRIC LINE		TRAFFIC SIGN
	DOUBLE SWING GATE		UNDERGROUND TELEPHONE LINE		TRAIL
	CANTILEVERED GATE		SANITARY FORCEMAIN		SANITARY CLEANOUT
	GUARD RAIL		PROPANE GAS LINE		MAIL BOX
	CULVERT		BRASS CAP		EXISTING FENCE
	PROPERTY LINE		FIRE HYDRANT		CHAINLINK FENCE
	BUILDING, ROAD, ETC.		SANITARY SEWER MANHOLE		BLOCK WALL
	CENTER LINE		SAFETY POST (NEW BOLLARD)		NATURAL GROUND
	EASEMENT		TELEPHONE RISER		TOP OF BANK
	STAGING OR WORK AREA LIMITS		GUY WIRE		FLOW LINE
	STRUCTURE, BUILDING OR FACILITY LOCATION POINT - COORDINATES		VALVE PIT		BACK OF CURB
			WATERLINE MARKER		BACK OF WALK
			UTILITY, WATER MANHOLE		EDGE OF PAVED ROAD
			WATER FAUCET		EDGE DIRT ROAD SPOT ELEVATION
			WATER METER		GROUND SPOT ELEVATION
			UTILITY, WATER WELL		FINISH GRADE
			SPRINKLER CONTROL BOX		
			GASLINE MARKER		
			GAS VALVE		
			GAS METER		
			INDICATES FLOW DIRECTION		

YARD PIPING LEGEND

	PIPING. SEE PIPE TAG DESCRIPTION ON THIS SHT
	HIDDEN PIPING THROUGH WALLS AND UNDER SLABS
	PIPING ≥ 24"Ø WHEN DRAWING SCALE IS 1" = 20' 12"Ø WHEN DRAWING SCALE IS 1" = 10'
	FLEXIBLE COUPLING
	90° ELBOW DOWN
	CONCENTRIC REDUCER
	CAP OR PLUG
	CLEANOUT

SYMBOLS

	ELBOWS / FLANGED		ELBOWS / WELDED
	DOWN		DOWN
	PLAN		PLAN
	UP		UP
	REDUCERS / FLANGED		REDUCERS / WELDED
	DOWN		DOWN
	PLAN		PLAN
	UP		UP
	TEES / FLANGED		TEES / WELDED
	DOWN		DOWN
	PLAN		PLAN
	UP		UP
	VALVES / FLANGED		RESTRAINED EXPANSION JOINT (BELLOWS TYPE)
	BUTTERFLY		DISMANTLING JOINT WITH RESTRAINING RODS
	CHECK		FLANGED COUPLING ADAPTER WITH RESTRAINTS
	GATE		DIAPHRAGM VALVE, PROFILE
	PLUG		DIAPHRAGM VALVE, PLAN
	BALL VALVE		MAGNETIC FLOW METER
	MECHANICAL JOINT		PRESSURE RELIEF VALVE
	END FITTINGS		AIR RELIEF VALVE
	90 DEGREE BENDS / PVC		SAFETY POST (BOLLARD)
	DOWN		SAMPLE TAP
	PLAN		PRESSURE SWITCH LOW
	UP		PRESSURE SWITCH HIGH
	TEES / PVC		FLOW SWITCH
	DOWN		PRESSURE GAUGE
	PLAN		
	UP		

GENERAL SYMBOLS

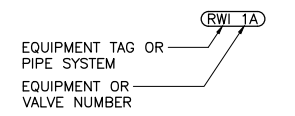
	OBJECT LINE, EXISTING
	OBJECT LINES, NEW OR RELOCATED
	FUTURE
	CENTER LINE
	HIDDEN LINE
	SURFACE BREAK LINE
	MATCH LINE
	BASE LINE OR DATUM LINE
	DIAMETER OR ROUND
	EXISTING OBJECT TO BE REMOVED
	WATER SURFACE
	EARTH
	CONCRETE

MARKERS

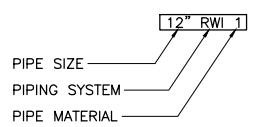
	SECTION INDICATOR		DETAIL INDICATOR
	SECTION CUT		DETAIL SCALE
	SECTION TITLE		TYPICAL DETAIL

(SECTIONS ARE LETTERED, DETAILS ARE NUMBERED)

EQUIPMENT TAG



PIPE TAG



PIPE MATERIAL

- DUCTILE IRON
- STEEL
- C-900 PVC
- SCHEDULE 80 PVC
- SDR 35 PVC SEWER PIPE
- COPPER
- STAINLESS STEEL
- SCH 80 BLACK STEEL
- CAST IRON
- PVC-SEWER PIPE

SHEET CATEGORY

- G - GENERAL
- C - CIVIL
- M - MECHANICAL PROCESS
- E - ELECTRICAL
- I - INSTRUMENTATION

No.	Revision	Note	Date	Drawn	Check

NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES

GENERAL SITE NOTES, SYMBOLS
AND CIVIL LEGEND



EXPIRATION DATE: 09/30/27

Drawn by:	KWB
Design by:	LAH
Approved by:	RN
Date:	11/20/2025
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Sheet No.:	G-03

GENERAL STRUCTURAL NOTES

(IN CASE OF CONFLICT WITH DRAWINGS STRICTER REQUIREMENTS SHALL GOVERN.)

GENERAL REQUIREMENTS

CODE: SEE GENERAL NOTES

LOADS:

LIVE LOADS:
 CONCRETE WALKWAYS 300 PSF
 STAIRS 300 PSF
 STAIR TREADS 300 LB POINT LOAD
 PLATFORMS (GRATING, CHECKERED PLATE) 300 PSF

WIND: 90 MPH BASIC WIND. EXPOSURE "C". IMPORTANCE FACTOR 1.15

SEISMIC: SITE CLASS: AS THE LIMITED GEOTECHNICAL INVESTIGATION DID NOT INCLUDE IDENTIFICATION OF SEISMIC FACTORS, USE SITE CLASS E FOR IYANBITO. FOR OTHER SITES USE D. IMPORTANCE FACTOR = 1.25

SNOW: IMPORTANCE FACTOR 1.10

EARTHWORK AND FOUNDATION

- FOUNDATION DESIGN IS BASED ON THE FOLLOWING SOIL BEARING CAPACITIES:
 BEARING - ALL DEPTHS 1,000 PSF
- DESIGN LATERAL AT-REST PRESSURES:
 NOT APPLICABLE
- PLACE FOUNDATION CONCRETE ONLY ON SUBGRADE PREPARED PER RECOMMENDATIONS OF THE DRAWINGS AND SPECIFICATIONS. VERIFY THE SUITABILITY OF THE BEARING MATERIAL WITH THE ENGINEER. BEFORE PLACING FOUNDATIONS. ENGINEERED FILL SHALL MEET THE REQUIREMENT STATED IN THE DRAWINGS AND SPECIFICATIONS.
- PLACE DOWELS AND ANCHOR BOLTS BEFORE POURING CONCRETE. USE TEMPLATES TO ENSURE PROPER PLACEMENT.

REINFORCED CONCRETE:

- CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI FOR STRUCTURES, FOUNDATIONS, AND SLABS ONGRADE UNLESS NOTED OTHERWISE ON DRAWINGS. ASTM C 150 TYPE II LOW ALKALI CEMENT. AIR CONTENT SHALL BE 5.5% PLUS OR MINUS 1%.
- ALL CONCRETE CONSTRUCTION, INCLUDING BENDING OF BARS, SHALL COMPLY WITH CURRENT ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (CURRENT ACI 318).
- UNLESS SHOWN OTHERWISE, MINIMUM REINFORCEMENT OF CONCRETE WALLS OR SLABS SHALL BE:
 LESS THAN 10" THICKNESS - USE #5 @ 12" EW. SEE DRAWINGS FOR LOCATION OF REINFORCEMENT. MORE THAN 10" THICK - USE #5 @ 12" EW EF.
- ALL WALL REINFORCEMENT AT CORNERS OR JUNCTIONS OF WALLS SHALL BE CONTINUOUS, LAPPED, OR TERMINATED IN AN ACI STANDARD 90 DEGREE HOOK. LAP SPLICES SHALL CONFORM WITH NOTE 12.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL HORIZONTAL AND VERTICAL BARS SHALL BE DOWELED. DOWELS LAP AND MATCH LARGER DIAMETER BAR.
- ALL SLABS, BEAMS, AND COLUMN REINFORCING BARS SHALL HAVE A MINIMUM EXTENSION OR ANCHORAGE INTO SUPPORTS IN ACCORDANCE WITH ACI 318.
- STIRRUP SUPPORT BARS SHALL BE PROVIDED BETWEEN ENDS OF TOP BARS AS REQUIRED.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, CONCRETE COVER FOR #11 AND SMALLER REINF BARS SHALL BE AS FOLLOWS:
 A. SLABS AND JOISTS:
 FORMED CONCRETE SURFACES FOR DRY CONDITIONS.....3/4"
 FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, OR LOCATED OVER WATER
 #5 BARS AND SMALLER.....1 1/2"
 #6 BARS AND LARGER.....2"
 B. BEAMS AND COLUMNS:
 FORMED CONCRETE SURFACES FOR DRY CONDITIONS
 STIRRUPS, SPIRALS, AND TIES.....2"
 PRINCIPAL REINFORCEMENT.....2 1/2"
 FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, OR BEAMS LOCATED OVER WATER
 STIRRUPS AND TIES.....2"
 PRINCIPAL REINFORCEMENT.....2 1/2"
 C. WALLS:
 FORMED CONCRETE SURFACES FOR DRY CONDITIONS.....3/4"
 FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER.....2"
 D. FOOTINGS AND BASE SLABS AND FOUNDATIONS FOR SHADE CANOPIES, GENERATORS, AND FUEL TANKS FOR GENERATORS:
 FORMED VERTICAL CONCRETE SURFACES.....2"
 AT UNFORMED SURFACES AND BOTTOMS IN CONTACT WITH EARTH OR CONCRETE WORK MATS.....3"
 TOP OF FOOTINGS.....SAME AS SLABS
 E. REINFORCEMENT SHALL BE PLACED WITHIN A TOLERANCE OF ±1/4" OF POSITION SPECIFIED.
- KEYWAYS AND WATERSTOPS SHALL END 3" BELOW THE TOP OF WALLS, UNLESS THERE IS A SLAB ON TOP OF THE WALL, IN WHICH CASE IT SHALL END AT THE BOTTOM OF THE SLAB. IN JOINTS WHERE WATERSTOP TERMINATES AT ADJOINING SLAB OR WALL, WATERSTOP SHALL BE EMBEDDED IN ADJOINING SLAB OR WALL A MINIMUM OF 6".
- WATERSTOP SHALL BE PLACED IN ALL CONSTRUCTION, CONTRACTION, AND EXPANSION JOINTS IN ALL WATER BEARING SLABS AND WALLS UNLESS OTHERWISE INDICATED ON THE DRAWINGS, AND IN ALL WALLS AND SLABS SUBJECTED TO EARTH BACKFILL. WATERSTOP IN THE WALLS SHALL BE CARRIED INTO SLABS AND SHALL BE SPLICED WITH THE WATERSTOP IN THE SLABS.
- NO BACKFILL SHALL BE PLACED AGAINST WALLS UNTIL CONCRETE HAS REACHED THE SPECIFIED STRENGTH AND THE CONNECTING SLABS AND BEAMS HAVE BEEN CAST AND HAVE REACHED THE SPECIFIED STRENGTH.

12. LAP SPLICES:

- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE LENGTH OF THE LAP SPICE SHALL BE CLASS "A" WHEN NO MORE THAN 1/2 THE BARS ARE LAP SPLICED WITHIN THE TABULATED LENGTH AND CLASS "B" WHEN MORE THAN 1/2 THE BARS ARE LAP SPLICED WITHIN THE TABULATED LENGTH.
- VALUES TABULATED BELOW FOR SPLICES ARE APPLICABLE ONLY WHEN THE COVER IS EQUAL TO ONE BAR DIAMETER OR MORE.
- WHEN MULTIPLE BARS ARE SPLICED AT THE SAME SECTION, THE CLEAR BAR SPACING IS THE MINIMUM CLEAR DISTANCE BETWEEN THE BARS OUTSIDE THE SPICE LENGTH MINUS ONE BAR DIAMETER.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE BARS AT A LAP SPICE SHALL BE IN CONTACT WITH EACH OTHER.
- FOLLOWING TABULATED VALUES ARE CALCULATED FOR:
 Fy = 60,000 PSI
 Fc = 4,000 PSI
- TOP BARS ARE ALL HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
- HORIZONTAL BARS IN CIRCULAR WALLS OF HYDRAULIC STRUCTURES SHALL BE SPLICED WITH CLASS "B" TOP BAR LAP SPLICES WITH THE SPLICES IN EACH LAYER OF REINFORCEMENT STAGGERED ONE SPICE LENGTH.
- WHERE HORIZONTAL BARS IN WALL CORNERS OR JUNCTIONS ARE LAPPED, LARGER BAR DIAMETER GOVERNS THE LENGTH ON DOWEL SEGMENTS.

REINFORCING BAR LAP SPICE					
BAR #	MINIMUM CLEAR BAR SPACING (BAR DIA)	LAP SPICE LENGTH (INCHES)			
		TOP BARS		OTHER BARS	
		CLASS "A"	CLASS "B"	CLASS "A"	CLASS "B"
REQUIREMENT FOR WALLS AND SLABS *					
#4	MORE THAN 2	18	24	14	18
#5	MORE THAN 2	23	30	18	23
#6	MORE THAN 2	31	40	23	31
	5	28	36	21	28
#7	MORE THAN 2	42	54	32	42
	5	33	43	26	33
#8	MORE THAN 2	54	71	42	54
	5	43	56	33	43
#9	MORE THAN 2	69	89	53	69
	5	55	71	42	55
#10	MORE THAN 2	88	114	67	88
	5	70	91	54	70
#11	MORE THAN 2	108	140	83	108
	5	86	112	66	86

* FOR INNER LAYER OF REINFORCEMENT IN WALLS AND SLABS, THE LAP SPICE LENGTH OF #9, #10, AND #11 BARS MAY BE REDUCED BY 25 PERCENT IF CLEAR SPACING IS THREE BAR DIAMETERS OR MORE.

- REFER TO MECHANICAL PROCESS SHEETS FOR CONCRETE WALL AND SLAB PENETRATIONS. ADDITIONAL REINFORCING SHALL BE PROVIDED AT CONCRETE WALL AND SLAB PENETRATIONS PER ^(TYP) 310

INCLUDE IN REINFORCING SHOP DRAWINGS REINFORCING DETAILS FOR CONCRETE WALL AND SLAB PENETRATIONS THAT ARE 6 INCH AND LARGER IN DIAMETER.

- IN CASE ANY CONSTRUCTION JOINT IS REQUIRED FOR WALLS OF STRUCTURE, CONTRACTOR MAY PROPOSE LOCATION FOR REVIEW AND APPROVAL BY ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

- CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR ALL CONCRETE USED. CONCRETE MIX DESIGNS SHALL BE FURNISHED BY EITHER THE CONCRETE SUPPLIER OR AN INDEPENDENT TESTING LABORATORY, BASED ON THE CONCRETE SUPPLIER'S CURRENT PRODUCTION FACILITIES RECORD OF STRENGTH TESTS. THESE TESTS SHALL BE EVALUATED AND MIX DESIGNS PROPORTIONED TO MEET THE REQUIREMENTS BASED ON THE STANDARD DEVIATIONS AS OUTLINED IN ACI 318-89, SECTION 5.2. RESULTS OF CONCRETE CYLINDER COMPRESSION BREAK TESTS FOR PROPOSED DESIGN MIX SHALL BE INCLUDED IN THE SUBMITTAL. POZZOLAN "F" (FLY-ASH) SHALL BE USED PROVIDED THE CEMENT CONTENT OF THE ORIGINAL MIX WITHOUT FLY-ASH IS NOT REDUCED BY MORE THAN 20% BY WEIGHT AND THE FLY-ASH ADDED DOES NOT EXCEED 1.3 POUNDS FOR EACH POUND OF CEMENT REMOVED. OTHER ADMIXTURES MAY BE USED; HOWEVER, THEY SHALL NOT BE CONSIDERED AS REPLACING ANY PART OF THE CEMENT CONTENT FOR THE SPECIFIED CONCRETE STRENGTH. NO ALUMINUM CONDUITS OR PIPES SHALL BE EMBEDDED IN OR ATTACHED TO THE CONCRETE. COLD WEATHER AND HOT WEATHER CONCRETING SHALL BE PLACED ACCORDING TO RECOMMENDED PRACTICES IN ACI 306 AND ACI 305, RESPECTIVELY.

REINFORCING STEEL:

ALL REINFORCING STEEL FOR THE PROJECT SHALL BE DEFORMED BARS AND SHALL CONFORM TO THE FOLLOWING ASTM STANDARD DESIGNATIONS:

#4 BAR AND LARGER IN CONCRETE.....A-615 GRADE 60
 MASONRY REINFORCING.....A-615 GRADE 60

CHAIRS AND SUPPORT BARS SHALL BE PROVIDED IN ACCORDANCE WITH ACI STANDARDS. REINFORCEMENT SHALL BE DETAILED TO MEET ACI 315 STANDARDS. SHOP DRAWINGS SHALL BE SUBMITTED SHOWING ALL REINFORCEMENT TO BE PLACED. SHOP DRAWINGS SHALL INCLUDE PLAN AND ELEVATIONS PERTAINING TO BAR LOCATION AND PLACEMENT WITHIN FOUNDATIONS, SLABS, BEAMS, COLUMNS AND WALLS.

METALS

- STRUCTURAL STEEL:** STRUCTURAL STEEL SHALL BE ASTM A 36 GRADE. BOLTS A 307. TUBE STEEL AND PIPE STEEL SHALL BE ASTM A 500 GRADE B, Fy = 46 KSI FOR TUBE STEEL AND 42 KSI FOR PIPE STEEL AND WELDABLE PER AWS D1.4. LATEST AISC AND AWS CODES APPLY. FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION. MINIMUM EMBEDMENT OF ALL HORIZONTAL BOLTS IN GROUT OR CONCRETE SHALL BE 6" WITH 3" HOOK. VERTICAL BOLTS SHALL HAVE 10" EMBEDMENT WITH HEAVY HEX NUT AT EMBEDDED END, UNO.
- WELDING:** ALL CONSTRUCTION AND TESTING SHALL BE PER AWS CODES AND RECOMMENDATIONS. WELDING SHALL BE DONE IN SHOP UNLESS SHOWN OTHERWISE ON PLANS. FIELD WELDS SHALL BE APPROVED BY THE ENGINEER. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID CERTIFICATES ISSUED BY AN ACCEPTED TESTING AGENCY AND HAVING EXPERIENCE IN THE TYPE OF WELD CALLED FOR.
- ALUMINUM:** ALUMINUM FOR THIS PROJECT SHALL BE OF TYPE 6063. ALUMINUM TO BE CAST INTO CONCRETE SHALL RECEIVE COATING OF COAL TAR EPOXY OR SIMILAR.
- STAINLESS STEEL:** STAINLESS STEEL SHALL BE 316 GRADE UNLESS NOTED OTHERWISE.

PRECAST WETWELL FLAT TOP SLAB:

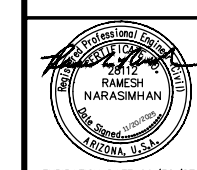
- DESIGN LOADINGS: 1,500 POUND POINT LOAD AT CENTER OF SLAB OR 150 PSF, WHICHEVER RESULTS IN THE HIGHER LOADING CONDITION.

SUPPLEMENTARY NOTES:

- PROVIDE TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.
- ANY MEMBERS REQUIRED TO SUPPORT EQUIPMENT FROM THE FRAMING SHOWN SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR.
- FOR CONNECTIONS SEE DETAILS. IF NOT SHOWN OR NOTED, MINIMUM CONNECTIONS TO BE INCLUDED IN BID SHALL BE TWO 5/8" DIA. BOLTS OR 3/16" FILLET WELD 4" LONG USING 1/4" CONNECTION MATERIAL AND DETAILED TO MINIMIZE BENDING IN CONNECTION. PROCEED AFTER CLARIFICATION THROUGH SHOP DRAWING SUBMITTAL.
- ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BE BY A STRUCTURAL ENGINEER REGISTERED IN ARIZONA WITH CONTINUOUS FIVE YEARS EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED.
- UNLESS NOTED OTHERWISE, DETAILS ON STRUCTURAL DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES OR TITLES.
- IN CASE OF CONFLICTS, MORE COSTLY REQUIREMENTS GOVERN FOR BIDDING. SUBMIT CLARIFICATION REQUEST PRIOR TO PROCEEDING WITH WORK.
- VERIFY ALL DIMENSIONS WITH OTHER DISCIPLINE DRAWINGS.
- CONTRACTOR SHALL ESTABLISH AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AFFECTING NEW CONSTRUCTION.
- DO NOT SCALE DRAWINGS. IN CASE OF ANY CONFLICT VERIFY WITH ENGINEER PRIOR TO CONSTRUCTION.
- "TYP" INDICATES DETAIL OCCURS MORE THAN ONCE. CONTRACTOR SHALL DETAIL ALL SUCH OCCURRENCES ON SHOP DRAWINGS SUBMITTALS.
- SHOP DRAWINGS INVOLVING STRUCTURAL CALCULATIONS SHALL BE STAMPED AND SIGNED BY CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ARIZONA.
- A. SPECIAL INSPECTION IS REQUIRED PER CODE FOR ALL STRUCTURAL REINFORCED CONCRETE WORK.
 B. SPECIAL INSPECTION IS ALSO REQUIRED FOR FIELD WELDING, AND INSTALLATION OF EPOXY BOLTS.
 C. PER BUILDING CODES CH. 17 NOTE: SPECIAL INSPECTIONS DO NOT PRECLUDE ANY NTVIA INSPECTIONS.

No.	Revision	Note	Date	Drawn	Check

NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES
GENERAL STRUCTURAL NOTES

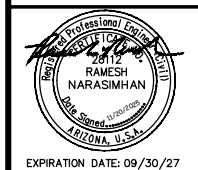


Drawn by: KWB
 Design by: LAH
 Approved by: RN
 Date: 11/20/2025
 Project No.:
 Sheet No.: G-04

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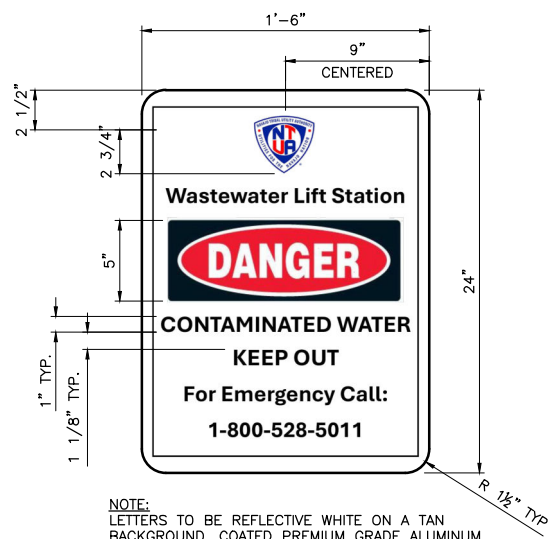
No.	Revision Note	Date	Drawn	Check

NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES
SHADE CANOPY PLAN AND SECTIONS



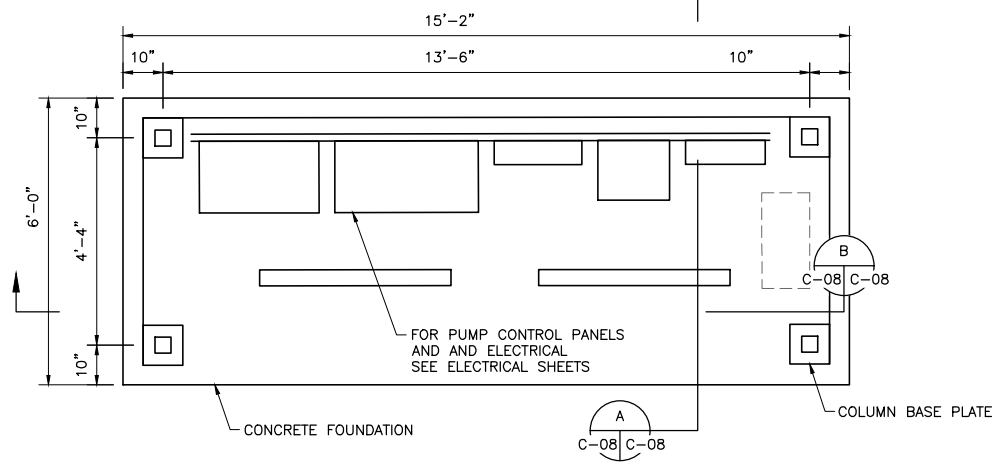
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 Sheet No.: C-08

- NOTES:
- SHADE CANOPIES STRUCTURAL DESIGN AND ANCHORAGE SYSTEM TO FOUNDATION SHALL BE BY ALUMA-LINE (PHOENIX, AZ) INC OR APPROVED EQUAL. SHADE CANOPY MANUFACTURER SHALL DESIGN AND PROVIDE SHOP DRAWING FOR CANOPIES. DESIGN CALCULATION AND SHOP DRAWINGS SHALL BE SEALED BY AN ARIZONA LICENSED PROFESSIONAL ENGINEER.
 - CORRUGATED STEEL ROOF PANELS SHALL BE BY MCCI OR APPROVED EQUAL. COATING SHALL BE SIGNATURE 200 FACTORY APPLIED AND BAKED-ON OVER GALVALUME. COLOR WILL BE SELECTED BY NTUA.
 - FASTENERS SHALL BE NON-CORRODING MATERIAL.
 - EPOXY ANCHOR BOLTS DESIGN BY ALUMA-LINE'S STRUCTURAL DESIGNER.
 - SEE SHT G-04 FOR GENERAL STRUCTURAL NOTES. THE SCADA ANTENNA POLE SHALL BE MOUNTED ON THE SHADE CANOPY. SEE DETAIL ON SHT E-22.

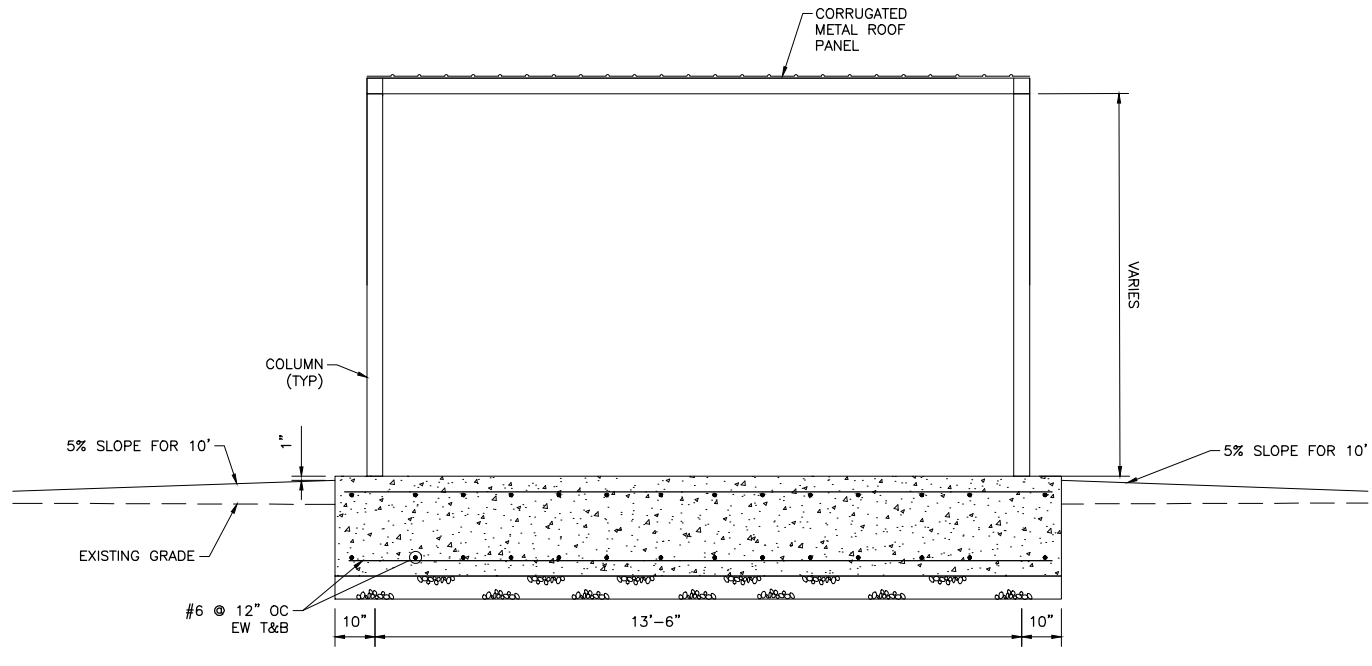


NOTE:
 LETTERS TO BE REFLECTIVE WHITE ON A TAN BACKGROUND. COATED PREMIUM GRADE ALUMINUM, 0.08" THICKNESS. SIGN SHALL BE INSTALLED IN A CLEARLY VISIBLE LOCATION NEAR CENTER OF OUTSIDE FENCE EACH SIDE OF LIFTSTATION.

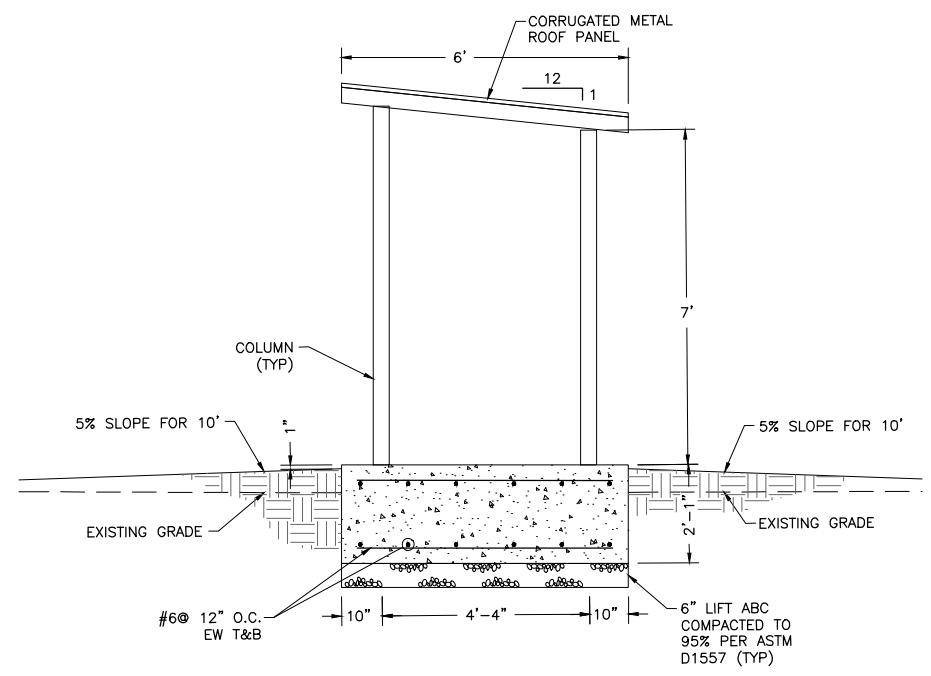
LIFT STATION PERIMETER FENCE SIGN DETAIL
 SCALE: NTS



SHADE CANOPY SECTIONAL PLAN
 SCALE: 1/2"=1'-0"



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

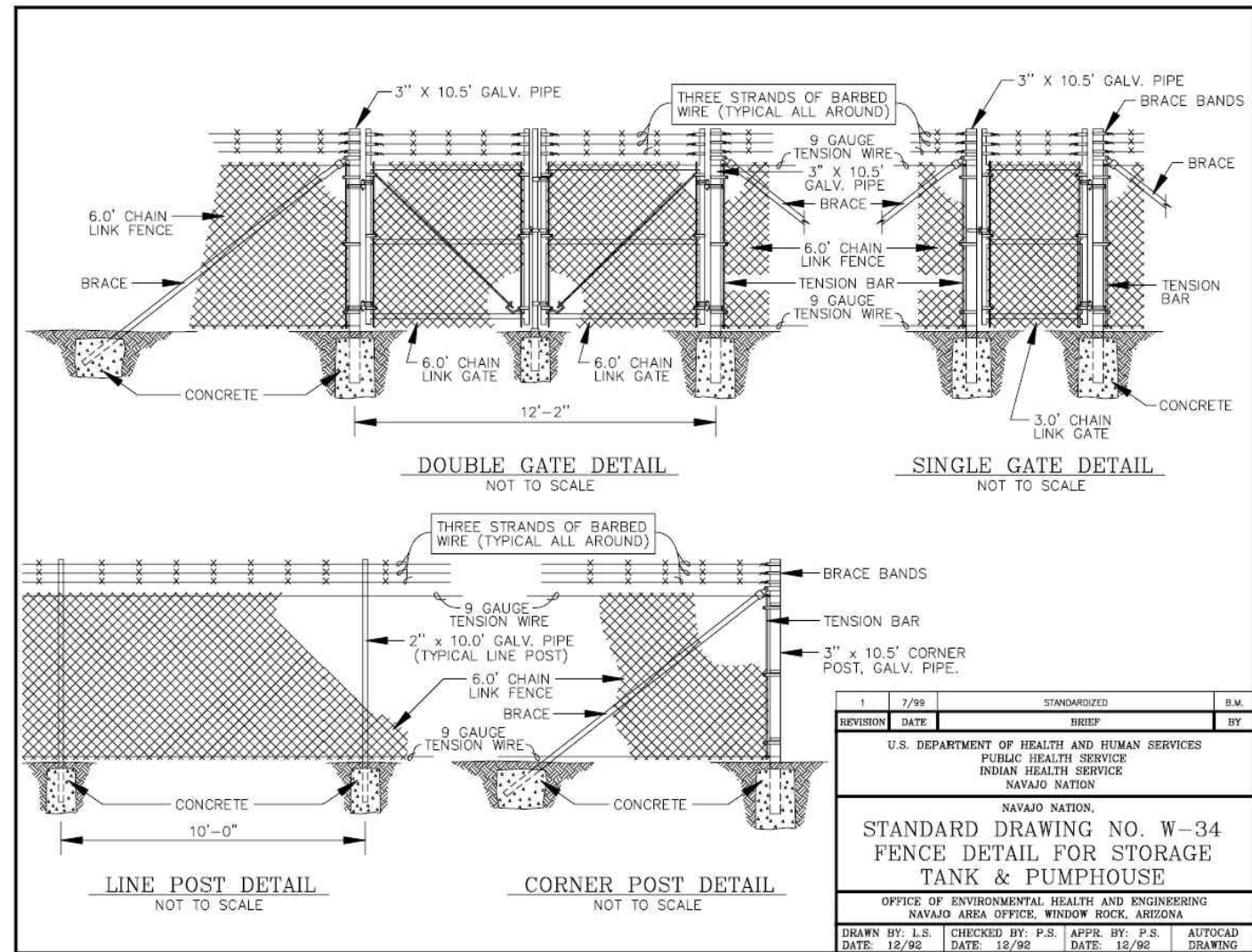


SECTION B-B
 SCALE: 1/2"=1'-0"

Dec 01, 2025 - 11:03am
 Z:\Storage\cad\projects\for greg\ntua lift stations - (4) sites\CAD\coyote canyon\C-08 - SHADE CANOPY.dwg

CIVIL SITEWORK SPECIFICATIONS:

1. MATERIALS TESTING:
 - a. SOILS: PROVIDE COMPACTION TESTING FOR:
 - i. FOR TRENCHES: MINIMUM OF ONE EVERY 8 INCH LIFT, AND ONE EVERY 50 LINEAL FEET.
 - ii. UNDER STRUCTURES, FOUNDATIONS, AND SLABS: MINIMUM OF ONE EVERY 8 INCH LIFT, AND ONE EVERY 400 SQUARE FEET.
 - iii. PREPARE AND PROVIDE MOISTURE DENSITY CURVE FOR EACH TYPE OF SOIL PLACED.
 - b. AGGREGATE BASE COURSE: PROVIDE COMPACTION TESTING MINIMUM ONE EVERY 30 CUBIC YARDS. PREPARE AND PROVIDE MOISTURE DENSITY CURVE FOR AGGREGATE BASE COURSE.
 - c. CAST-IN-PLACE CONCRETE:
 - i. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH ASTM C 31, ASTM C 39, AND ASTM C 172.
 - ii. NOT LESS THAN THREE CYLINDER SPECIMENS, 6 INCH DIAMETER BY 12 INCH LONG SHALL BE TESTED FOR EACH DAY'S PLACEMENT AT EACH SITE. ONE CYLINDER SHALL BE BROKEN AT 7 DAYS AND TWO AT 28 DAYS.
 - iii. TEST SLUMP OF CONCRETE USING SLUMP CONE IN ACCORDANCE WITH ASTM C143.
 - iv. TEST AIR ENTRAINMENT IN CONCRETE IN ACCORDANCE WITH ASTM C173.
 - v. CONCRETE IS EXPECTED TO REACH OR EXCEED THE CONCRETE COMPRESSIVE STRENGTH SPECIFIED IN THE GENERAL STRUCTURAL NOTES. NO INDIVIDUAL STRENGTH TEST (AVERAGE OF TWO CYLINDERS) SHALL FALL BELOW THE SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 300 POUNDS PER SQUARE INCH.
 - d. PROMPTLY PROVIDE TEST REPORTS TO NTUA AND ENGINEER ELECTRONICALLY.
2. CHAIN LINK FENCE:
 - a. SEE INDIAN HEALTH SERVICE, NAVAJO NATION, STANDARD DRAWING NO. W-34 ON SHT C-11. DELETE TOP TENSION WIRE AND PROVIDE TOP RAIL.
 - b. CHAIN LINK FABRIC SHALL BE 2-INCH MESH 9 GAUGE, AND HAVE 75,000 PSI TENSILE STRENGTH.. FABRIC SHALL HAVE CLASS 2 ZINC COATING, HOT DIPPED GALVANIZED AFTER FABRICATION, AND CONFORM WITH ASTM A392.
 - c. PIPE FOR POSTS, TOP RAIL, AND BRACES SHALL BE ASTM A53, SCHEDULE 40 STEEL PIPE. POSTS, RAILS, BRACES, AND FRAMES SHALL BE HOT DIP GALVANIZED PER ASTM A53, A123, OR A153, WHICHEVER IS APPLICABLE. GALVANIZING SHALL BE APPLIED AT LEAST 2.0 OUNCES OF ZINC PER SQUARE FOOT OF SURFACE.
 - d. BRACES SHALL BE 1 5/8 INCH OUTSIDE DIAMETER WEIGHING 2.27 POUNDS PER FOOT.
 - e. TOP RAILS SHALL BE 1.90 INCH OUTSIDE DIAMETER WEIGHING 2.72 POUNDS PER FOOT.
 - f. GALVANIZED RAMPART SHALL INCLUDE THREE LINES OF GALVANIZED BARBED WIRE.
 - g. TRUSS RODS SHALL BE FABRICATED ON 3/8 INCH DIAMETER STEEL RODS AND SHALL HAVE TURNBUCKLES OR SIMILAR MEANS OF ADJUSTMENT. FITTINGS AND TRUSS RODS SHALL BE HOT-DIP GALVANIZED IRON OR STEEL WITH A MINIMUM COATING OF 2.0 OUNCES OF ZINC PER SQUARE FOOT OF SURFACE IN ACCORDANCE WITH ASTM A123 OR A153, WHICHEVER IS APPLICABLE.
 - h. CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI
 - i. DOUBLE SWING GATES SHALL COMPLY WITH ASTM F900. GATE SHALL BE MANUFACTURED OF GALVANIZED MATERIALS. PROVIDE CENTER POST AND HASP FOR A PADLOCK.
 - j. INSTALL CHAIN LINK FENCE IN ACCORDANCE WITH ASTM F567.

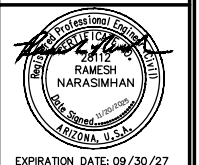


1	7/99	STANDARDIZED	E.M.
REVISION	DATE	BRIEF	BY
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE NAVAJO NATION NAVAJO NATION.			
STANDARD DRAWING NO. W-34 FENCE DETAIL FOR STORAGE TANK & PUMPHOUSE			
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING NAVAJO AREA OFFICE, WINDOW ROCK, ARIZONA			
DRAWN BY: L.S.	CHECKED BY: P.S.	APPR. BY: P.S.	AUTOCAD
DATE: 12/92	DATE: 12/92	DATE: 12/92	DRAWING

NAVAJO TRIBAL UTILITY AUTHORITY
 DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES

CIVIL DETAILS AND SPECIFICATIONS

No.	Revision	Note	Date	Drawn	Check



Drawn by: KWB
 Design by: LAH
 Approved by: RN
 Date: 11/20/2025
 Project No.:
 Sheet No.: C-11

Pump Schedule							
Site	Design Capacity (gpm)	Design Head (ft)	Shut off Head (ft)	Pump Configuration	Max Pump Speed (rpm)	Nameplate driver horsepower	Drive Type
Coyote	200	20	27	Submersible	1800	3 HP, 208V, three phase, explosion proof	Variable speed

EQUIPMENT AND MATERIALS SPECIFICATIONS

DUCTILE IRON PIPE AND FITTINGS:

PIPE SHALL BE IN ACCORDANCE WITH ANSI/AWWA C-151/A21.51.
 FITTINGS SHALL BE IN ACCORDANCE WITH AWWA C-153/ANSI A21.53, AND AWWA C-115/ANSI A21.15 FOR FLANGED PIPE AND AWWA C-111/ANSI A21.11 FOR MECHANICAL JOINT PIPE.
 FOR PUMP-AROUND PORT SYSTEM: FITTINGS SHALL HAVE FUSION BONDED EPOXY INTERIOR COATING PER AWWA C116/ANSI A21.16. PIPE SHALL HAVE CERAMIC AMINE CURED NOVALAC EPOXY INTERIOR COATING, 40 MILS.
 MEGA-LUG OR APPROVED EQUAL FOR RESTRAINING JOINTS.
 BURIED PIPING SHALL BE PROVIDED WITH POLYETHYLENE ENCASEMENT PER ASTM A674.

PVC PRESSURE PIPE:

PIPE SHALL BE IN ACCORDANCE WITH AWWA C-900. WHERE APPLICABLE, PIPE SHALL MATCH THE SDR OF EXISTING PIPE IT IS CONNECTING TO.

PVC GRAVITY SEWER PIPE:

PIPE SHALL BE SDR 35 IN ACCORDANCE WITH ASTM D-3024.

STAINLESS STEEL PIPE AND MISCELLANEOUS SUPPORTS:

PIPE SHALL BE SCHEDULE 40 IN ACCORDANCE WITH ANSI 36.19.
 MISCELLANEOUS SUPPORT BRACKETS SHALL BE IN ACCORDANCE WITH ASTM A-276.
 FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A320: BOLTS GRADE L7, NUTS A194 GRADE 7 AND WASHERS F436.

STEEL PIPE:

PIPE SHALL BE SCHEDULE 40 IN ACCORDANCE WITH AWWA C-200/ASTM A53 AND AWWA C-206.

PLUG VALVES:

VALVES SHALL BE DEZURIK BULLETIN 12.00-1C OR APPROVED EQUAL; IN ACCORDANCE WITH AWWA C-517 AND C-111. CLASS 150 FLANGES SHALL BE IN ACCORDANCE WITH ANSI B16.5 VALVES SHALL BE FOR BURIED SERVICE WITH NUT OPERATOR.

ALUMINUM ACCESS HATCHES:

HATCHES SHALL BE HALLIDAY SERIES SERIES S, ALL STANDARD FEATURES WITH FALL THROUGH PROTECTION GRATING OR APPROVED EQUAL. HATCH DIMENSIONS SHALL BE AS SHOWN ON THE DRAWINGS. FOR FALL THROUGH PROTECTION PROVIDE HASP FOR NTUA TO UTILIZE PADLOCK.

PORTABLE PUMP LIFTING HOISTS:

HOISTS SHALL BE HALLIDAY SERIES DB WITH ALL STANDARD FEATURES OR APPROVED EQUAL. HOIST CAPACITY SHALL BE 1,330 LBS MINIMUM WITH THE DAVIT ARM EXTENDED PERPENDICULAR TO THE MAST, PARALLEL TO TOP OF WET WELL. PROVIDE HOISTS AS SHOWN FOR EACH LIFT STATION SITE (5 TOTAL).

POLYURETHANE COATINGS FOR WET WELLS:

COATING FOR INTERIOR OF LIFT STATIONS: REMOVE SEWERAGE FROM WETWELLS, CLEAN SURFACES, AND PREPARE SURFACES FOR COATING. SURFACE PREPARATION SHALL BE PER COATING MANUFACTURER'S RECOMMENDATIONS AND SHALL INCLUDE AT MINIMUM, ABRASIVE BLAST AND HIGH PRESSURE CLEANING. INCLUDE IN BID A MORTAR REPAIR OF TWO SQUARE FEET FOR EACH WETWELL TO RECEIVE COATING. PROVIDE ZEBRON PRIME (MIST) COAT AT 3 TO 5 WET MILS. PROVIDE TOP COAT OF ZEBRON SERIES 386 100% POLYURETHANE COATING AT MINIMUM OF 125 MILS. COATING SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS. NTUA WILL SELECT THE COLOR OF THE TOP COAT.

PIPE PRESSURE TEST:

FOR PUMP-AROUND SYSTEM: BEFORE BACKFILLING THE PIPING, THE PIPING SYSTEM SHALL BE EXPOSED TO SYSTEM PRESSURE (THE PRESSURE IN THE FORCEMAIN). CONDUCT VISUAL EXAMINATION TO CONFIRM THERE IS NO LEAKAGE. FOR DISCHARGE PIPE REPLACEMENT IN WETWELL; CONDUCT VISUAL EXAMINATION TO CONFIRM THERE IS NO LEAKAGE.

COMBINATION AIR VALVE:

COMBINATION AIR VALVE SHALL BE SINGLE BODY STYLE AND SPECIFICALLY MANUFACTURED FOR WASTEWATER APPLICATIONS. THE BODY AND COVER OF THE VALVE SHALL BE CONSTRUCTED OF HEAVY-DUTY CAST IRON. BOLTS, NIPPLES, PLUGS SHALL BE TYPE 316 STAINLESS STEEL. FLOAT SHALL BE STAINLESS STEEL. VALVE SHALL BE DESIGNED FOR NO SPILLS AND NO SPURTS. STATIC PRESSURE IN THE PIPELINE AT LOCATION OF PROPOSED VALVE IS APPROXIMATE 22 PSI, PROVIDE APPROPRIATE SEAT. PROVIDE BACKFLUSHING ATTACHMENT. EXTERIOR PAINT SHALL BE SELECTED FOR A DAMP VAULT APPLICATION.

COMBINATION AIR VALVE SHALL BE VALMATIC VMC-301A OR APPROVED EQUAL.

PAINTING:

FOR FERROUS METALS, PRIMED OR UNPRIMED, SUCH AS BUT NOT LIMITED TO WETWELL VENT PIPES, ANTENNA POLE. PAINT MANUFACTURER SHALL BE SHERWIN-WILLIAMS OR APPROVED EQUAL.
 PRIMER: ALKYD METAL PRIMER, ONE COAT, 1.3-1.5 DRY MILS.
 GLOSS FINISH: URETHANE ALKYD GLOSS ENAMEL, TWO COATS, 2.0-2.2 DRY MILS.

EXISTING GENERATOR AT SAWMILL AND HANBITO SITES:

RETAIN GENERATOR MANUFACTURER OR MANUFACTURER'S REPRESENTATIVE TO CONDUCT FIELD INSPECTION, CHECK-OUT, AND EVALUATION OF GENERATOR SYSTEM. PREPARE AND SUBMIT BRIEF WRITTEN REPORT WITH SUMMARY OF FIELD OBSERVATIONS AND EVALUATION, AND RECOMMENDATIONS FOR EQUIPMENT REPAIRS AND REPLACEMENTS FOR RETURNING GENERATORS TO OPERATING ORDER. STARTUP THE GENERATORS AND PROVIDE MINIMUM OF ONE HOUR OF ON-SITE TRAINING OF NTUA STAFF AT EACH SITE. EQUIPMENT REPAIRS AND REPLACEMENTS IF ANY, WILL BE AUTHORIZED BY CHANGE ORDER.

EQUIPMENT COATINGS:

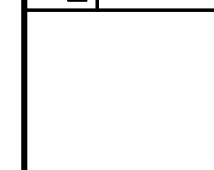
ALL PUMPS, FITTINGS, PIPING ETC. SUPPLIED BY PUMP SYSTEM PACKAGE VENDOR SHALL HAVE MANUFACTURER'S STANDARD EPOXY INTERIOR AND EXTERIOR COATING. COATING SHALL BE DESIGNED FOR WASTEWATER APPLICATION.

RADAR LEVEL SENSOR:

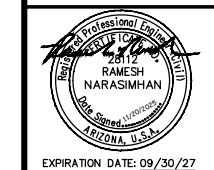
SENSOR SHALL BE MICRO PILOT FMR20, 80MM WITH FLOOD PROTECTION TUBE AND PIVOT-TYPE MOUNTING ARM PART NO. 919790-002, BY EDRESS-HOUSER OR APPROVED EQUAL.

No.	Revision	Note	Date	Drawn	Check

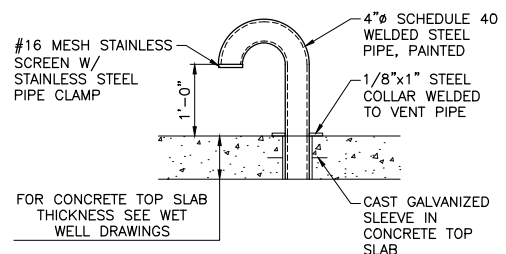
NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES
EQUIPMENT SCHEDULES AND SPECIFICATIONS



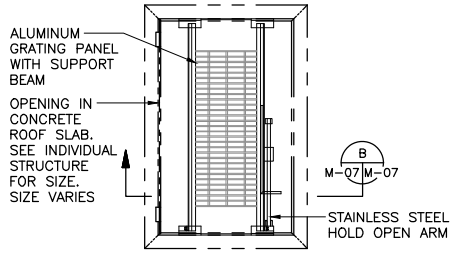
202 EAST EARL DRIVE, STE 110
 PHOENIX, AZ 85012
 (602) 629-0206



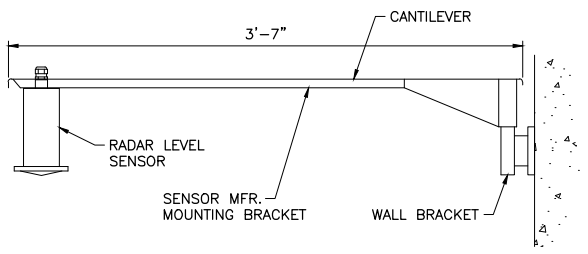
Drawn by: KWB
 Design by: LAH
 Approved by: RN
 Date: 11/20/2025
 Project No.:
 Sheet No.: M-01



WET WELL VENT DETAIL
SCALE: 3/4"=1'-0"

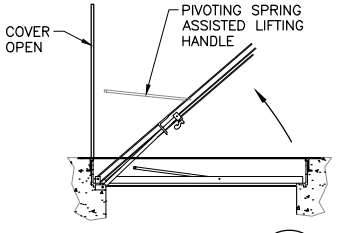


FALL PROTECTION GRATING DETAIL 2
SCALE: NTS M-07 M-07



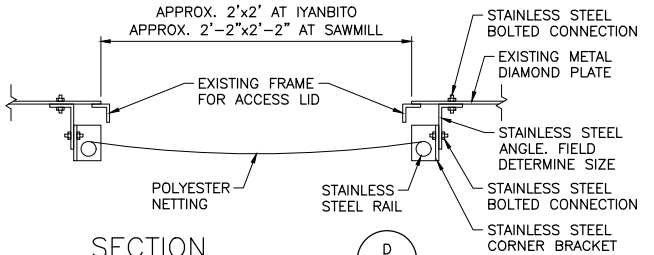
RADAR LEVEL SENSOR MOUNTING DETAIL
SCALE: 1-1/2"=1'-0"

- NOTES:**
1. WET WELL WALLS FOR COYOTE CANYON, COALMINE AND LECHEE ARE PRECAST CONCRETE. WET WELL WALLS FOR SAWMILL AND IYANBITO ARE FIBERGLASS. USE STAINLESS STEEL ANCHORS OR CONNECTORS AS APPROPRIATE.
 2. MOUNTING SYSTEM SHALL BE FABRICATED FROM STAINLESS STEEL.



SECTION
SCALE: NTS M-07 M-07

- NOTES:**
1. THE GRATING SHALL BE OF ALUMINUM 1" (MIN.) BAR CONSTRUCTION.
 2. T-316 STAINLESS STEEL HARDWARE SHALL BE USED.
 3. THE GRATING SHALL HAVE MINIMUM 100 LBS. PER SQ. FT. LOAD RATING.
 4. MFR: PROTECTIVE GRATING BY HALLIDAY PRODUCTS OR APPROVED EQUAL.
 5. PROVIDE HASP FOR PADLOCK ON FALL PROTECTION GRATING.



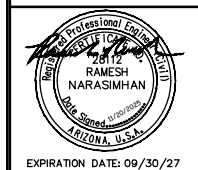
SECTION
SCALE: 1-1/2"=1'-0" M-04, M-05 M-07

- NOTES:**
1. FALL THROUGH PROTECTION SYSTEM, SAFE APPROACH, HATCH 120S, OR APPROVED EQUAL.
 2. PROVIDE STAINLESS FRAMING AND BOLTS AS NEEDED TO SUPPORT FALL THROUGH PROTECTION SYSTEM FROM VALVE VAULT TOP PLATE.
 3. FIELD DETERMINE ALL DIMENSIONS.
 4. HINGED VALVE VAULT ACCESS LID NOT SHOWN FOR CLARITY.

NAVAJO TRIBAL UTILITY AUTHORITY
DESIGN AND CONSTRUCTION OF COYOTE CANYON LIFT STATION FACILITIES

MISCELLANEOUS DETAILS

No.	Revision	Note	Date	Drawn	Check



Drawn by: KWB
Design by: LAH
Approved by: RN
Date: 11/20/2025
Project No.:
Sheet No.: M-07

SCHEMATIC DIAGRAM SYMBOLS

POWER SINGLE LINE DIAGRAM SYMBOLS

ELECTRICAL ABBREVIATIONS

	CONTROL RELAY		2 POSITION SELECTOR SWITCH POSITION LEGEND: X=CLOSED O=OPEN
	TIME DELAY RELAY		3 POSITION SELECTOR SWITCH HAND - OFF - AUTO POSITION LEGEND: X=CLOSED O=OPEN
	ALARM RELAY		NORMALLY CLOSED PUSH BUTTON
	ELAPSED TIME METER		LOCKOUT STOP PUSH BUTTON
	MOTOR STARTER OR CONTACTOR COIL		NORMALLY OPEN PUSH BUTTON
	PHOTO CELL		EMERGENCY STOP PUSH BUTTON (MAINTAINED)
	BEACON ALARM LIGHT LETTER INDICATES COLOR R=RED, A=AMBER, B=BLUE, G=GREEN		DISCONNECT SWITCH SHOWN WITH RATING AND NUMBER OF POLES
	PILOT LIGHT LETTER INDICATES COLOR R=RED, A=AMBER, B=BLUE, G=GREEN		LIMIT OR POSITION SWITCH
	OUTPUT DV/DT FILTER		PRESSURE SWITCH HIGH
	HEATING ELEMENT		PRESSURE SWITCH LOW
	TRANSFORMER		FLOW SWITCH
	CURRENT TRANSFORMER		LEVEL FLOAT SWITCH
	GROUND CONNECTION		TIMER RELAY CONTACT INSTANTANEOUS CLOSE TIME DELAY OPEN
	GENERATOR		TIMER RELAY CONTACT NORMALLY OPEN TIME DELAY CLOSE
	HORN		TEMPERATURE SWITCH
	FULL VOLTAGE NON-REVERSING (FVNR) MOTOR STARTER OR CONTACTOR NUMBER DESIGNATES NEMA SIZE		FUSE
	NORMALLY OPEN CONTACT		FUSEHOLDER OR FUSEBLOCK
	NORMALLY CLOSED CONTACT		THERMAL OVERLOAD RELAY
	RTU OR PLC CONTACT		TERMINAL BLOCK
			DEVICE LOCATED AT REMOTE LOCATION
			CONDUIT SEALOFF

	JUNCTION BOX WITH POWER DISTRIBUTION BLOCK OR LUGS		CIRCUIT BREAKER, SHOWN WITH TRIP RATING AND NUMBER OF POLES
	CONDUIT SEALOFF		MOTOR CIRCUIT PROTECTOR WITH TRIP RATING AND NUMBER OF POLES
	LTC CONNECTION		DISCONNECT SWITCH SHOWN WITH RATING AND NUMBER OF POLES
	MC CONNECTION		MOTOR MANAGEMENT RELAY
	BOND TO METALLIC WATER PIPE		SURGE PROTECTIVE DEVICE
	UTILITY METER		SOLID STATE STARTER
	MOTOR, NUMBER DESIGNATES NEMA HORSEPOWER SIZE		VARIABLE FREQUENCY DRIVE
	FUSE		HARMONIC FILTER
	FUSEHOLDER OR FUSEBLOCK		ELECTRONIC OVERLOAD RELAY
	GENERATOR		GROUND CONNECTION
			TRANSFORMER
			CONTACTOR

A	AMPERE	JB	JUNCTION BOX	PNL	PANEL
AFD	ADJUSTABLE FREQUENCY DRIVE	L, LO	LOW	PO	PULSE OUTPUT
AFG	ABOVE FINISHED FLOOR	LAN	LOCAL AREA NETWORK	PPB	POWER PULLBOX
AI	ANALOG INPUT	LC	LOOP CONTROLLER	PPG	POUNDS PER GALLON
AIC	AMPS INTERRUPTING CAPACITY	LCL	LEVEL CONTROL, LOW	PPH	POUNDS PER HOUR
AO	ANALOG OUTPUT	LCP	LOCAL CONTROL PANEL	PPM	PARTS PER MILLION
AS	AIR SUPPLY	LOS	LOCK-OUT-STOP	PR	PAIR
ATS	AUTOMATIC TRANSFER SWITCH	LOR	LOCAL/OFF/REMOTE	PRES	PRESSURE
BC	BYPASS CONTACTOR	LS	LEVEL (i.e., FLOAT) SWITCH	PS	PRESSURE SWITCH
B	BLOCK	LTC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT	PSH	PRESSURE SWITCH, HIGH
CB	CIRCUIT BREAKER	M	MOTOR	PSI	POUNDS PER SQUARE INCH
CCW	COUNTER CLOCKWISE	MA	MANUAL/AUTO	PV	PROCESS VARIABLE
CL2	CHLORINE	mA	MILLIAMPERE	RAS	RETURN ACTIVATED SLUDGE
CON	CONTACTOR	MAX	MAXIMUM	RW	RAW WATER
CPB	CONTROL PULLBOX	MC	MANUFACTURER'S CABLE	RF	RADIO FREQUENCY
CU	COPPER, BARE	MCB	MAIN CIRCUIT BREAKER	RIO	REMOTE INPUT OUTPUT
CV	CONTROL VALVE	MCC	MOTOR CONTROL CENTER	RS	RAW SEWAGE
CW	CLOCKWISE	MCP	MOTOR CIRCUIT PROTECTOR	RSP	RAW SEWAGE PUMP
DCS	DISTRIBUTED CONTROL SYSTEM	MFR(S)	MANUFACTURER(S)	RST	RESET
DI	DISCRETE INPUT	MGD	MILLION GALLONS PER DAY	RTD	RESISTANCE TEMPERATURE DETECTOR
DO	DISCRETE OUTPUT	MGL	MILLIGRAMS PER LITER	RTU	REMOTE TELEMETRY UNIT
DP	DIFFERENTIAL VOLTAGE/TIME	MH	MANHOLE	RWT	REFLECTED WAVE TRAP
DV/DT	DRAWING	MIN	MINIMUM	SCA	SHORT CIRCUIT AMPS
DWG	DRAWING	MOV	MOTOR OPERATED VALVE	SCCR	SHORT CIRCUIT CURRENT RATING
ETM	ELAPSED TIME METER	MNR	MOTOR MANAGEMENT RELAY	SEQ	SERVICE ENTRANCE EQUIPMENT
EOL	ELECTRONIC OVERLOAD	MTU	MASTER TELEMETRY UNIT	SES	SERVICE ENTRANCE SECTION
EXIST	EXISTING	NEC	NATIONAL ELECTRICAL CODE	SLC	SINGLE LOOP CONTROLLER
FA	FOUL AIR	NECA	NATIONAL ELECTRICAL CONTRACTOR ASSOCIATION	SLOS	START-LOCK-OUT-STOP
FC	FAIL CLOSED	N.C.	NORMALLY CLOSED	SMC	SUBMERSIBLE MANUFACTURER CABLE
FE	FLOW ELEMENT	N.O.	NORMALLY OPEN	SO2	SULFUR DIOXIDE
FLA	FULL LOAD AMPS	NIC	NOT IN CONTRACT	SP	SET POINT
FS	FLOW SWITCH	NPW	NORMALLY OPEN TIMED CLOSED	SPC	SPARE CONDUIT
FVNR	FULL VOLTAGE NON-REVERSING	NOTC	NORMALLY OPEN TIMED CLOSED	SPR	SPARE
FW	FINISHED WATER	NPW	NON-POTABLE WATER	SS	START/STOP
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NS	NITROGEN SUPPLY	SSS	SOLID STATE STARTER (SOFT START)
GFP	GROUND FAULT PROTECTION	NTS	NOT TO SCALE	ST	SHUNT TRIP
GND	GROUND	NTU	TURBIDITY	TC	TELEPHONE CABLE
GPD	GALLONS PER DAY	OF	OPERATOR INTERFACE TERMINAL	TS	TEMPERATURE SWITCH
GPH	GALLONS PER HOUR	OIT	OPERATOR INTERFACE TERMINAL	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GPM	GALLONS PER MINUTE	OL	OVERLOAD	TYP	TYPICAL
GRS	GALVANIZED RIGID STEEL	OLR	OVERLOAD RELAY	UG	UNDERGROUND
H, HI	HIGH	OO	ON/OFF (MAINTAINED)	UL	UNDERWRITERS LABORATORIES
H2S	HYDROGEN SULFIDE	OR	OFF-REMOTE	UM	UTILITY METER
HMI	HUMAN MACHINE INTERFACE	OSC	OPEN/STOP/CLOSE	UNO	UNLESS NOTED OTHERWISE
HOA	HAND-OFF-AUTO	P	PULL BOX	V	VOLT
HOR	HAND-OFF-REMOTE	PB	PULL BOX	VFD	VARIABLE FREQUENCY DRIVE
I	CURRENT	PCP	PROCESS CONTROL PANEL	W	WATT, WIRE
IC	INSTRUMENTATION CABLE	PCV	PRESSURE CONTROL VALVE	WAS	WASTE ACTIVATED SLUDGE
ICR	INTERMITTENT CYCLE REACTOR	PFR	PHASE/POWER FAILURE RELAY	WP	WEATHERPROOF
IO	INPUT/OUTPUT	PI	PULSE INPUT	XFMR	TRANSFORMER
ISC	SHORT CIRCUIT CURRENT	PLC	PROGRAMMABLE LOGIC CONTROLLER	XMR	TRANSFORMER
		PLI	PLANT INFLUENT	XMTR	TRANSMITTER
		PMP	PUMP	ZS	POSITION (i.e., LIMIT) SWITCH

SITE PLAN SYMBOLS

ELECTRICAL LINETYPES

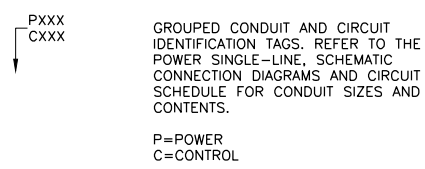
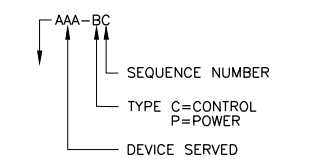
GENERAL NOTES

	TELEPHONE OUTLET		FIELD DEVICE
	SINGLE POLE SWITCH		GROUND ROD
	3 WAY SWITCH		DUPLEX RECEPTACLE
	4-WAY SWITCH		ANTENNA MAST
	MANUAL MOTOR STARTER		CONDUIT SEALOFF
	SPECIAL PURPOSE OR WELDING OUTLET		DISCONNECT SWITCH
	SMOKE DETECTOR		MOTOR
	THERMOSTAT		CONDUIT TURN UP
			CONDUIT TURN DOWN

	EXPOSED CONDUIT
	EXISTING EXPOSED CONDUIT
	UNDERGROUND CONDUIT
	EXISTING UNDERGROUND CONDUIT
	BARE COPPER GROUND CONDUCTOR
	EXISTING OR FUTURE
	NEW ELECTRICAL EQUIPMENT
	DEMOLITION
	DETAIL VIEW OR MATCHING
	CAPPED CONDUIT STUB OUT

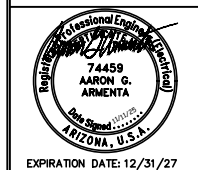
1. THE COMPLETED INSTALLATION SHALL COMPLY WITH LATEST REVISION OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL BE COMPLETED IN A NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH THE LATEST NECA STANDARDS OF INSTALLATION UNDER COMPETENT SUPERVISION. INSTALL GROUNDING PER NEC.
2. VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND OTHER FACTORS, WHICH MAY AFFECT THE EXECUTION OF THE WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
3. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITIES PROVIDING SERVICES ON THIS PROJECT, AND SHALL COMPLY WITH ALL THEIR INSTALLATION REQUIREMENTS.
4. ALL MATERIALS SHALL BE NEW AND OF THE BEST QUALITY, MANUFACTURED IN ACCORDANCE WITH THE LATEST REVISION OF NEMA, ANSI, UL, OR OTHER APPLICABLE STANDARDS. THE USE OF MANUFACTURERS' NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS, AND BID PRICE.
5. PROTECT ALL ELECTRICAL MATERIAL AND EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS, OR ANY OTHER PREVENTABLE CAUSES. EQUIPMENT DAMAGED DURING SHIPPING OR CONSTRUCTION, PRIOR TO ACCEPTANCE BY THE ENGINEER OR THE OWNER, WILL BE REJECTED AS DEFECTIVE.
6. LEAVE THE SITE CLEAN. REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK. DAMAGED PAINT AND FINISHES SHALL BE TOUCHED UP OR REPAINTED WITH MATCHING COLOR PAINT AND FINISH.
7. CIRCUIT CONDUCTORS #6 AWG OR SMALLER SHALL BE THWN STRANDED COPPER. #4 AWG THROUGH #2 AWG SHALL BE XHHW STRANDED COPPER. #1 AWG OR LARGER SHALL BE XHHW-2 STRANDED COPPER. MINIMUM POWER CONDUCTOR SIZE SHALL BE #12 AWG WITH #12 AWG GROUND.
8. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. MINIMUM CONDUIT DEPTH SHALL BE 24 INCHES. MINIMUM UNDERGROUND CONDUIT SIZE SHALL BE 1 INCH.
9. CONDUITS SHALL BE MARKED AT EACH END WITH MATCHING NUMBERED BRASS TAGS. SPARE CONDUITS SHALL HAVE A PULL STRING INSTALLED, SECURED, AND CAPPED.
10. EXPOSED CONDUITS SHALL BE PVC COATED GALVANIZED RIGID STEEL (GRS). MINIMUM SIZE 3/4 INCH, UNLESS OTHERWISE NOTED ON THE PLANS.
11. SAFETY SWITCHES, ELECTRICAL DISTRIBUTION EQUIPMENT, CONTROL PANELS, AND OTHER ELECTRICAL DEVICES SHALL BE UL LISTED, AND RATED FOR HEAVY DUTY SERVICE.
12. WIRING DEVICES SHALL BE SPECIFICATION GRADE.
13. THE CONTRACTOR IS RESPONSIBLE FOR MANAGING, SCHEDULING, DOCUMENTING, AND PERFORMING THE WORK SO THAT A COMPLETE ELECTRICAL, INSTRUMENTATION AND CONTROL SYSTEM FOR THE FACILITY IS PROVIDED. ACCURATE SHOP AND RECORD DRAWINGS, AND O&M MANUALS SHALL BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF THE WORK.
14. TYPICAL DETAILS SHALL APPLY IN ALL CASES, WHETHER SPECIFICALLY REFERRED TO OR NOT.

CIRCUIT SCHEDULE LEGEND



NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES

ELECTRICAL NOTES, SYMBOLS, AND LEGEND



Drawn by:	ML
Design by:	GAR
Approved by:	AGA
Date:	11/11/25
Project No.:	2497
Sheet No.:	E-01

SHEET NO.	CIRCUIT	CONDUCTORS
E-05	ANT400-C1	1 - ANTENNA CABLE
E-05	LCP401-C1	36 - #14, #14 GND
E-05	LCP401-C2	1 - CAT6 CABLE
E-05	LCP401-C3	1 - CAT6 CABLE
E-05	LIT401-C2	1 - IC, #14 GND
E-05	TSH401-C1	2 - #14, #14 GND
E-05	YS401-C1	2 - #14, #14 GND
E-05	TSH402-C1	2 - #14, #14 GND
E-05	YS402-C1	2 - #14, #14 GND
E-05	LSSL401-C1	2 - #14, #14 GND
E-05	LSL401-C1	2 - #14, #14 GND
E-05	LSH401-C1	2 - #14, #14 GND
E-05	LSHH401-C1	2 - #14, #14 GND
E-05	LIT401-C1	1 - IC, #14 GND

A
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CIRCUIT SCHEDULE

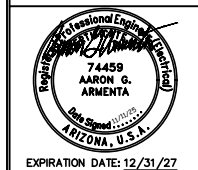
LIGHTING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	MOUNTING	MANUFACTURER	LAMPS	REMARKS
	120V, 4', ENCLOSED AND GASKETED LED FIXTURE.	SURFACE OR SUSPENDED	COLUMBIA LIGHTING LXEM SERIES OR EQUAL	3.5K LUMEN OUTPUT (MIN.), 4000K COLOR TEMP.	50° C RATED, DAMP LOCATIONS, UL LISTED

B
~
LIGHTING FIXTURE SCHEDULE

NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES

ELECTRICAL SCHEDULES

No.	Revision Note	Date	Drawn	Check



Drawn by: ML
 Design by: GAR
 Approved by: AGA
 Date: 11/11/25
 Project No.: 2497
 Sheet No.: E-03

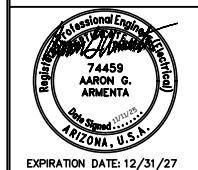
NOTES:

1. DEMOLISHED EQUIPMENT INCLUDING ASSOCIATED WIRE AND ABOVE GROUND CONDUITS SHALL BE EITHER RETURNED TO OWNER OR PROPERLY DISPOSED OF AS DIRECTED BY OWNER.
2. REFER TO CONDUIT BLOCK DIAGRAM ON SHEET E-07 FOR SYSTEM CONDUIT INFORMATION/REQUIREMENTS (I.E. TO/FROM INFO, SIZES, TAG#'S, CONTENTS ETC.).
3. REFER TO FIXTURE SCHEDULE ON SHEET E-03 FOR FIXTURE REQUIREMENTS.
4. CONDUIT ROUTING SHOWN IS APPROXIMATE AND SCHEMATIC IN NATURE, ACTUAL ROUTING IS TO BE FIELD DETERMINED BASED ON FIELD CONDITIONS.
5. PROVIDE 1" CONDUIT STUB UP, CAPPED AT FINISHED FLOOR LEVEL FOR FUTURE USE BY OWNER.
6. CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL LOCATION OF THE GENERATOR CONNECTOR CABINET.
7. ALL INSTALLATIONS WITHIN WETWELL SHALL BE CLASS 1, DIVISION 1 COMPLIANT AND SHALL COMPLY WITH ALL REQUIREMENTS FOR CLASSIFIED AREAS AS DEFINED IN ARTICLE 500 OF THE NATIONAL ELECTRICAL CODE.

No.	Revision	Note

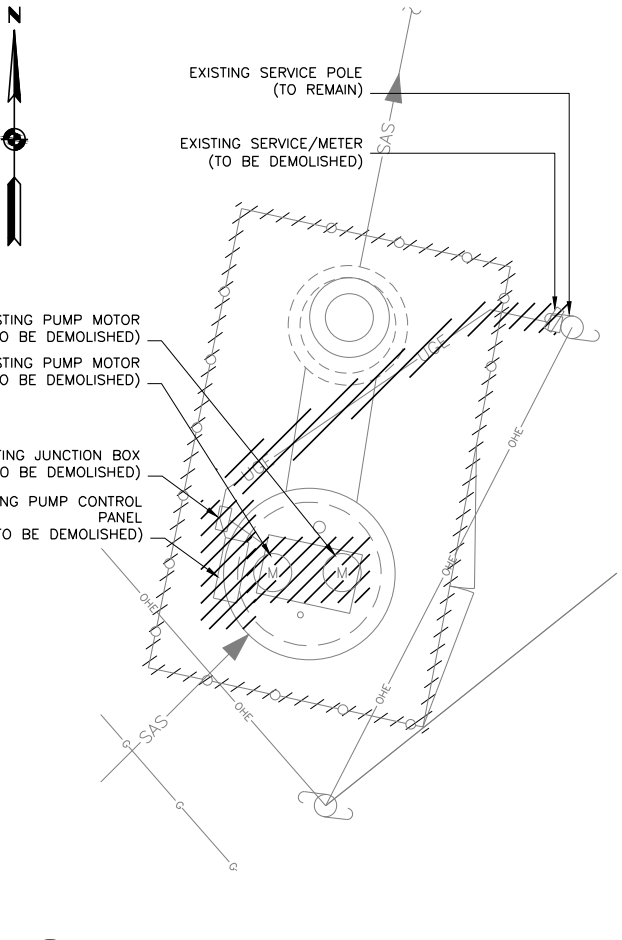
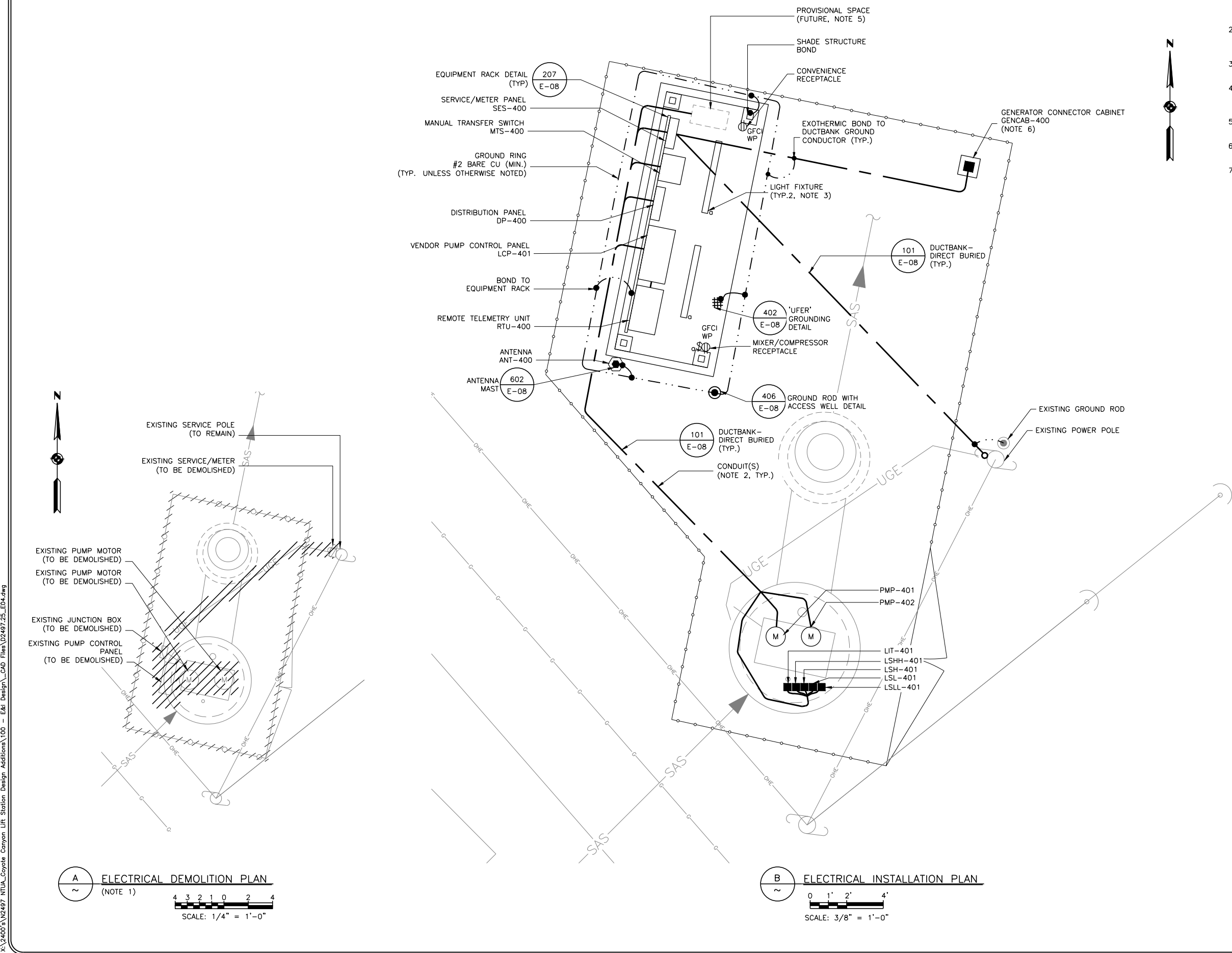
**NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES**

**ELECTRICAL DEMOLITION AND
INSTALLATION SITE PLANS**

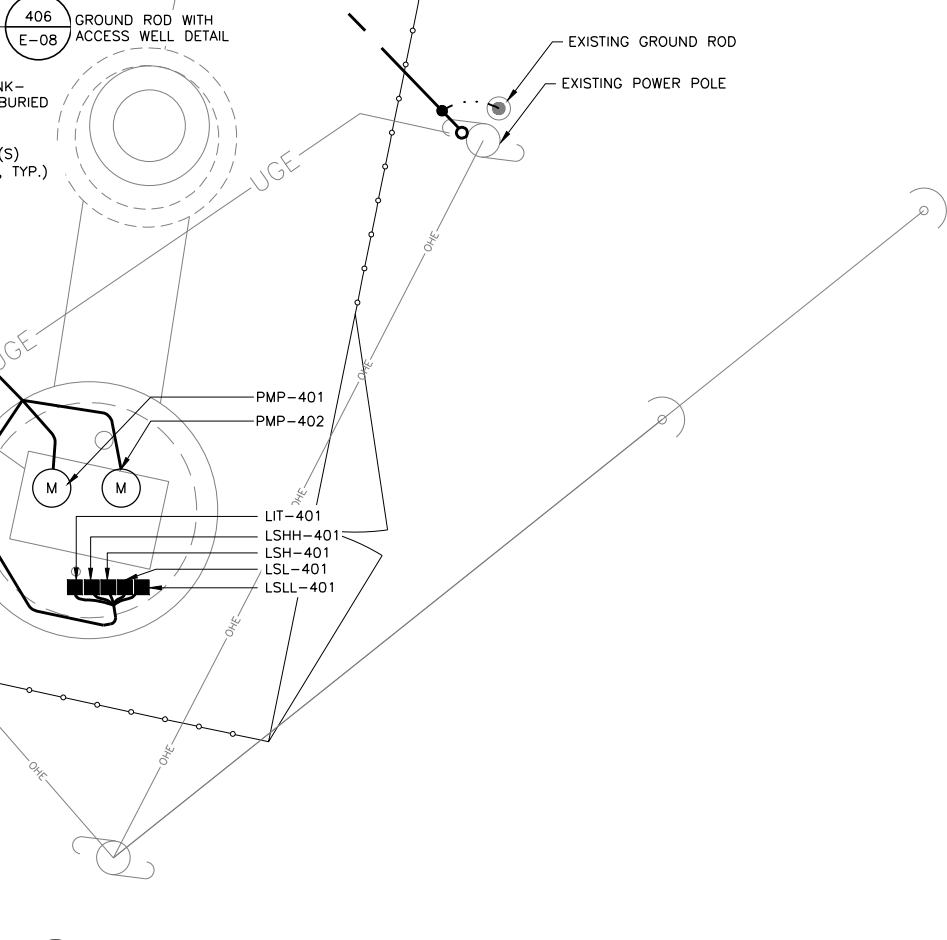


Drawn by: ML
 Design by: GAR
 Approved by: AGA
 Date: 11/11/25
 Project No.: 2497
 Sheet No.: E-04

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A ELECTRICAL DEMOLITION PLAN
 (NOTE 1)
 SCALE: 1/4" = 1'-0"

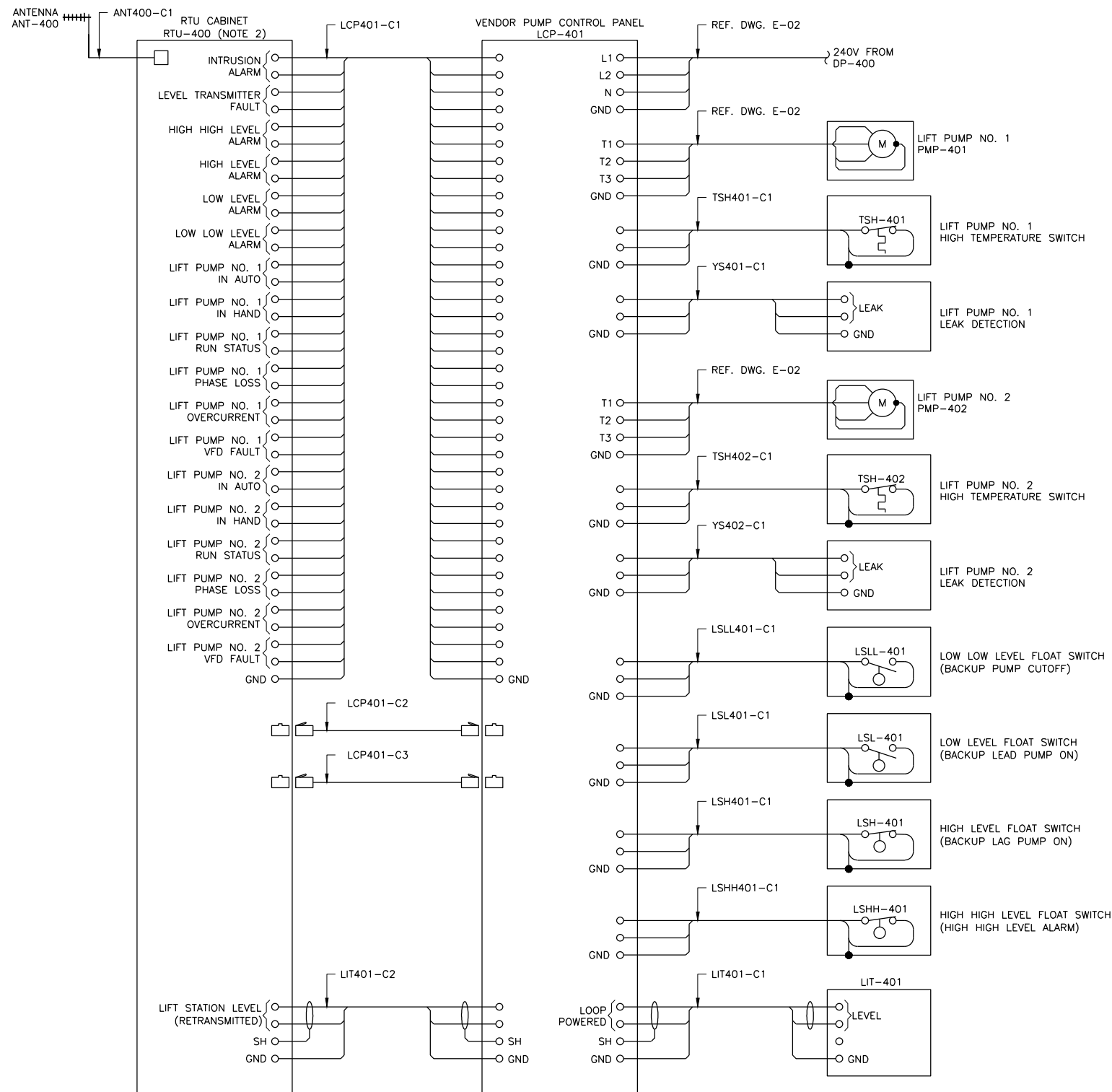


B ELECTRICAL INSTALLATION PLAN
 SCALE: 3/8" = 1'-0"



NOTES:

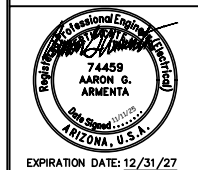
1. REFERENCE E-03 FOR MASTER CIRCUIT SCHEDULE.



A CONNECTION DIAGRAM

**NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES
CONNECTION DIAGRAM**

No.	Revision Note	Date	Drawn	Check

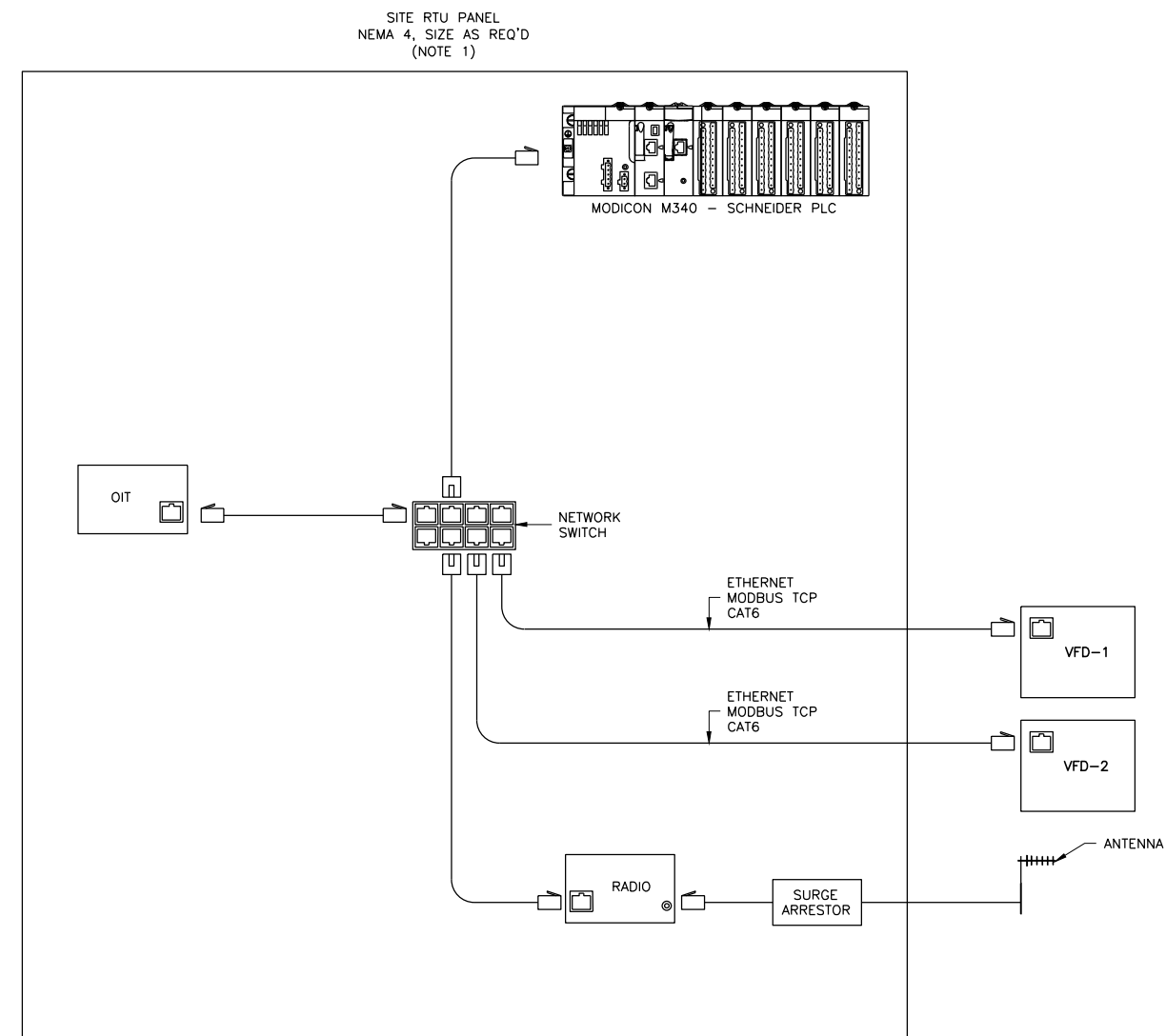
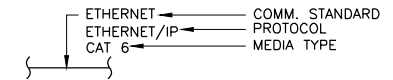


Drawn by: ML
 Design by: GAR
 Approved by: AGA
 Date: 11/11/25
 Project No.: 2497
 Sheet No.: E-05

NOTES:

1. CONTRACTOR SHALL DEVELOP DESIGN/SHOP DRAWINGS FOR RTU PANEL. CONTRACTOR SHALL UTILIZE NTUA RTU STANDARD AND FORMAT. PLC AND SCADA PROGRAMMING SHALL BE BY OWNER UNLESS OTHERWISE SPECIFIED.
2. PANEL SHALL INCLUDE A UPS SIZED IN ACCORDANCE WITH NTUA RTU PANEL STANDARDS

LEGEND:

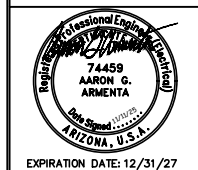


A SYSTEM COMMUNICATION DIAGRAM
 NETWORK

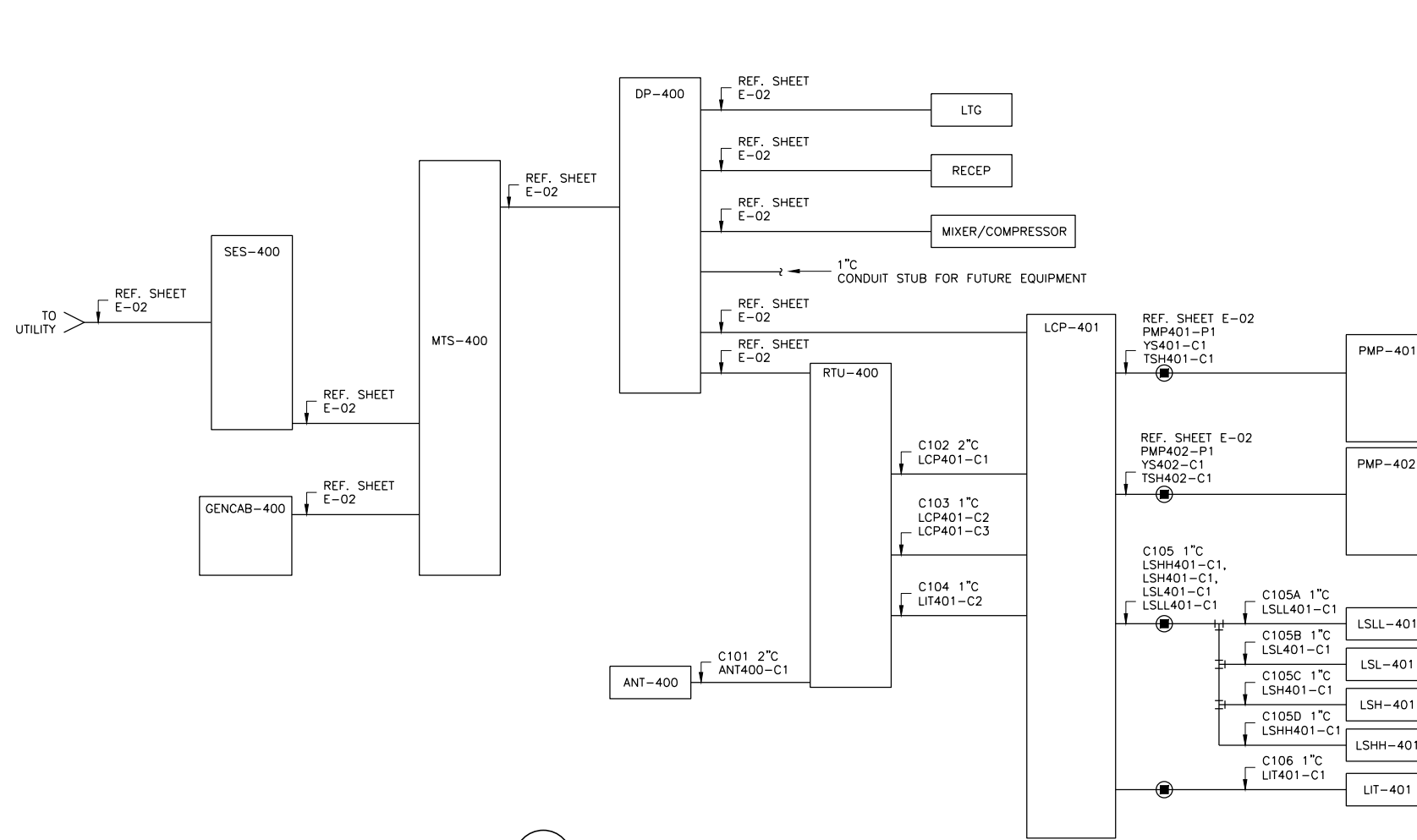
NAVAJO TRIBAL UTILITY AUTHORITY
 COYOTE LIFT STATION FACILITIES

RTU COMMUNICATIONS DIAGRAM

No.	Revision	Note	Date	Drawn	Check



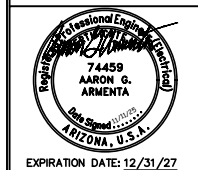
Drawn by: ML
 Design by: GAR
 Approved by: AGA
 Date: 11/11/25
 Project No.: 2497
 Sheet No.: E-06



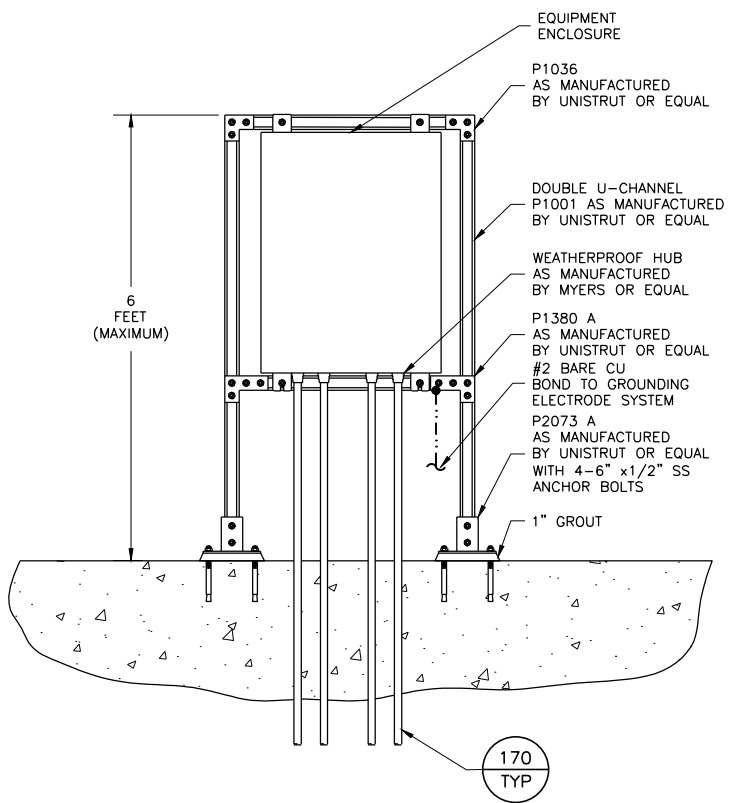
A CONDUIT BLOCK DIAGRAM

NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES
CONDUIT BLOCK DIAGRAM

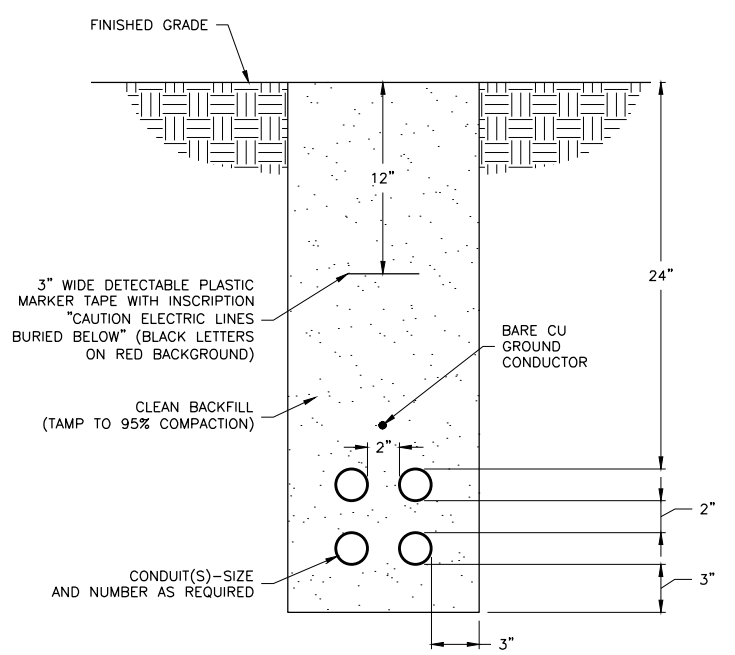
No.	Revision Note	Date	Drawn	Check



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 Design by: GAR
 Approved by: AGA
 Date: 11/11/25
 Project No.: 2497
 Sheet No.: E-07

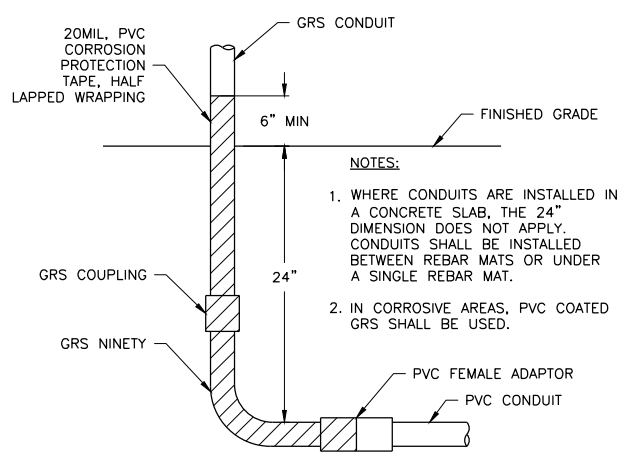


207 EQUIPMENT RACK DETAIL - NON-CLASSIFIED AREAS
TYP NOT TO SCALE

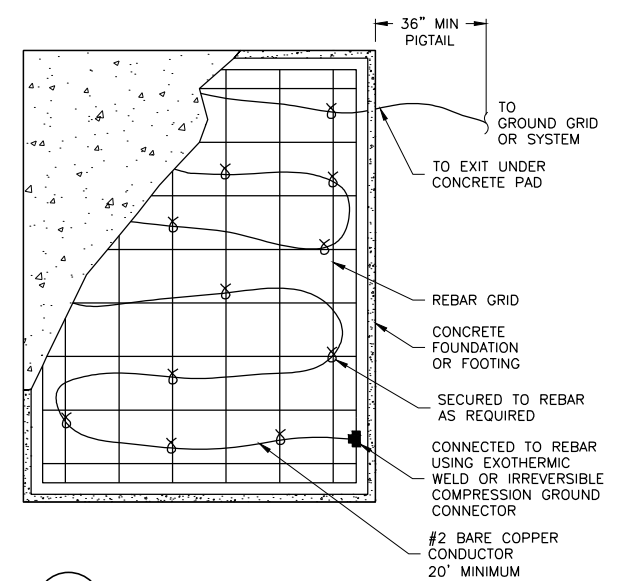


- NOTES:**
- GROUND CONDUCTOR SHALL RUN CONTINUOUSLY THROUGH MANHOLES AND SHALL CONTINUE FROM DUCTBANK INTO SWITCHGEAR OR BUILDING GROUNDING SYSTEM AND SHALL BE BONDED TO EACH RIGID METAL CONDUIT. SIZE TO BE #2 (MIN.) UNLESS OTHERWISE INDICATED ON PLANS.
 - ALL DIMENSIONS ARE MINIMUM.

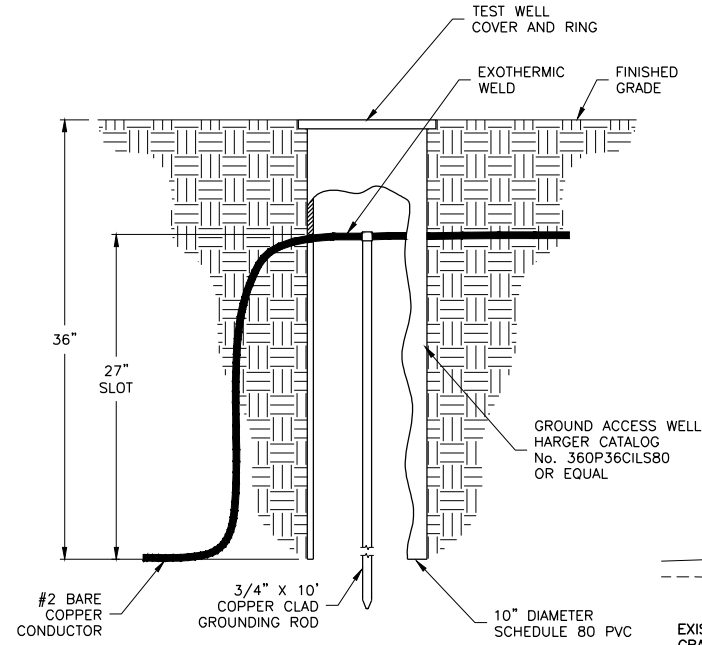
101 DUCTBANK - DIRECT BURIED
TYP NOT TO SCALE



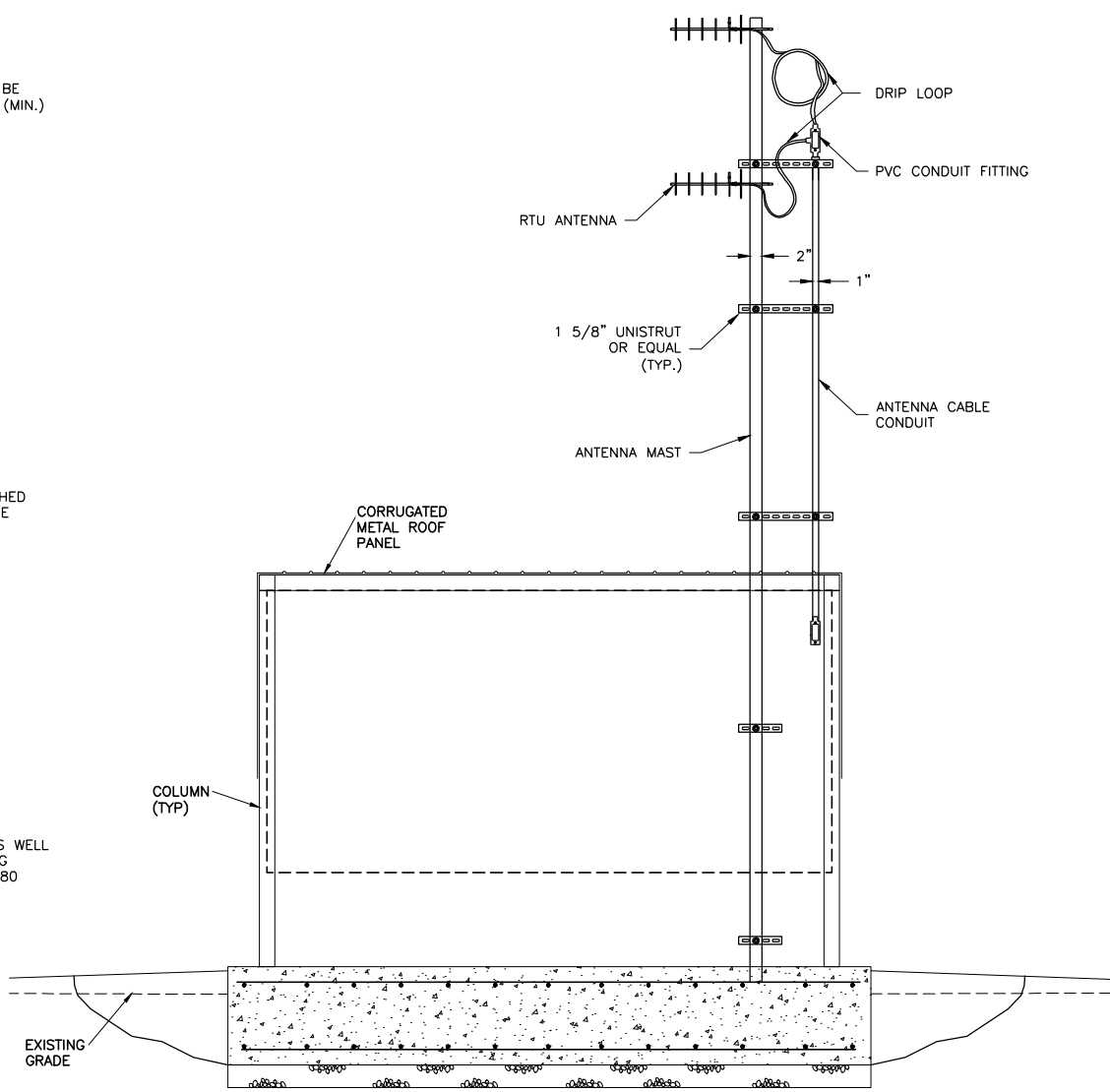
170 GRS STUB UP DETAIL
TYP NOT TO SCALE



402 "UFER" GROUNDING DETAIL
TYP NOT TO SCALE



406 GROUND ROD WITH TEST ACCESS WELL
TYP NOT TO SCALE

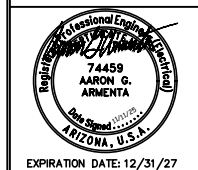


602 ANTENNA POLE MOUNTING
TYP NOT TO SCALE

NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES

ELECTRICAL DETAILS

No.	Revision	Note



Drawn by: ML
 Design by: GAR
 Approved by: AGA
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 Project No.: 2497
 Sheet No.: E-08

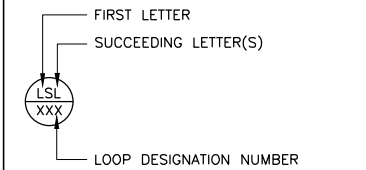
ISA INSTRUMENT IDENTIFICATION TABLE

Table with columns: FIRST LETTERS, SUCCEEDING LETTERS, MEASURED OR INITIATING VARIABLE, MODIFIER, READOUT OR PASSIVE FUNCTION, OUTPUT FUNCTION, MODIFIER.

P&ID ABBREVIATIONS

Table listing abbreviations for units like AMPERE, KILOWATT, PRESSURE, and various process symbols like ANALYZER, VALVE, etc.

TAG NUMBERS AND DESIGNATIONS



HAND SWITCH DESIGNATIONS

- List of hand switch designations: ES EMERGENCY STOP, HOA HAND-OFF-AUTO, etc.

LINE SYMBOLS

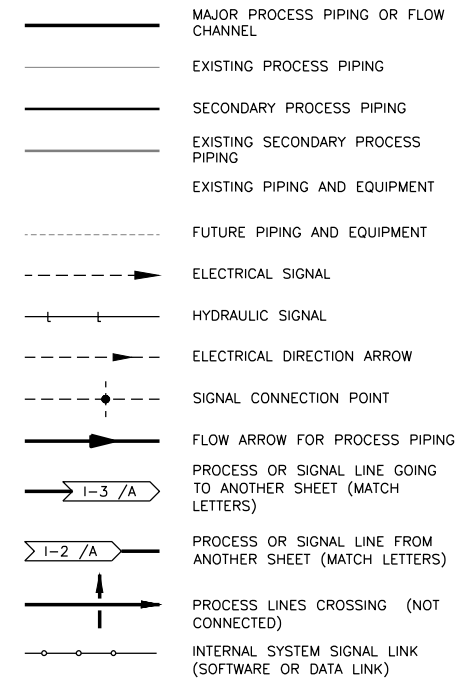


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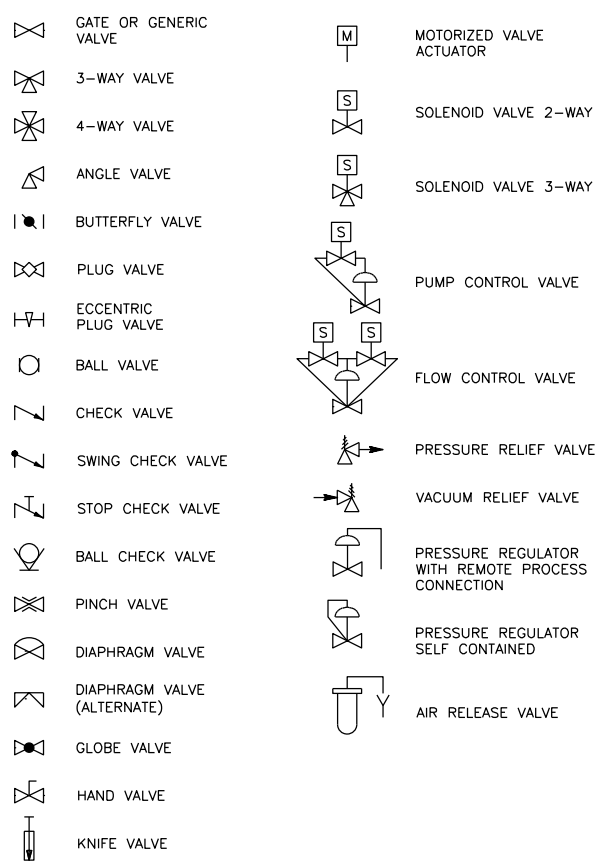
NAVAJO TRIBAL UTILITY AUTHORITY COYOTE LIFT STATION FACILITIES PROCESS AND INSTRUMENTATION DIAGRAM SYMBOLS AND LEGEND

Vertical text on the right side of the legend area.

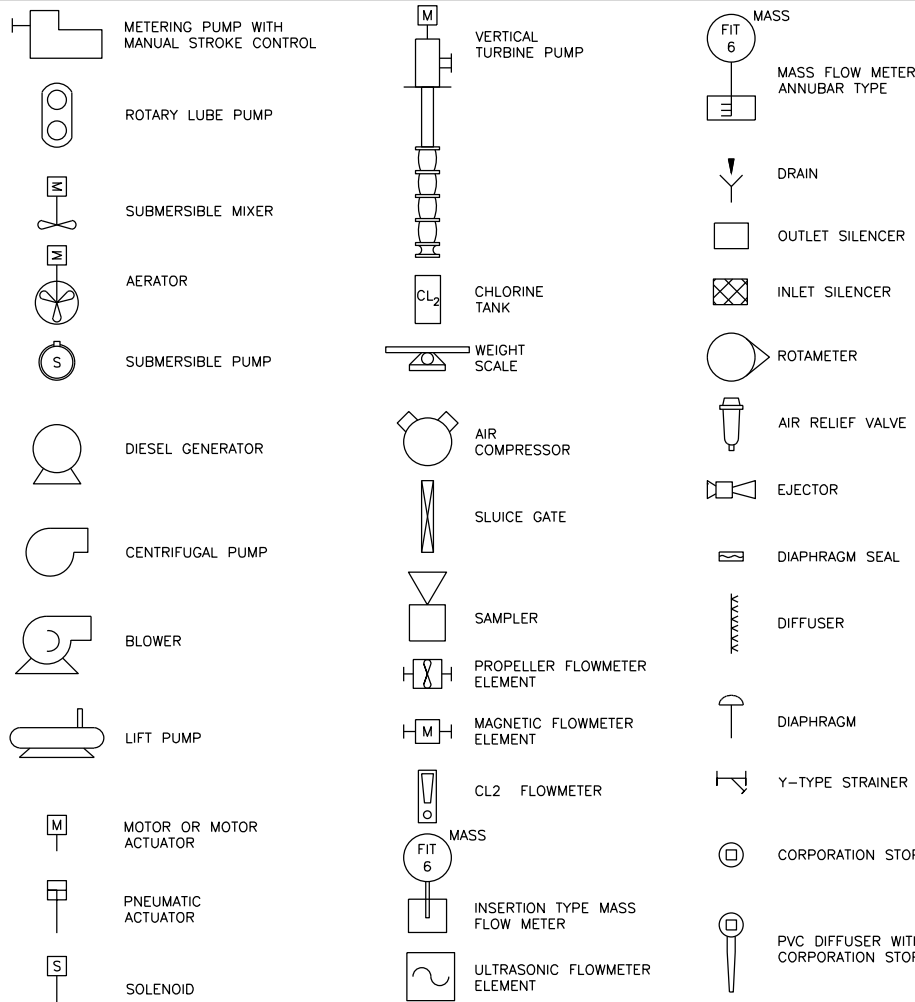


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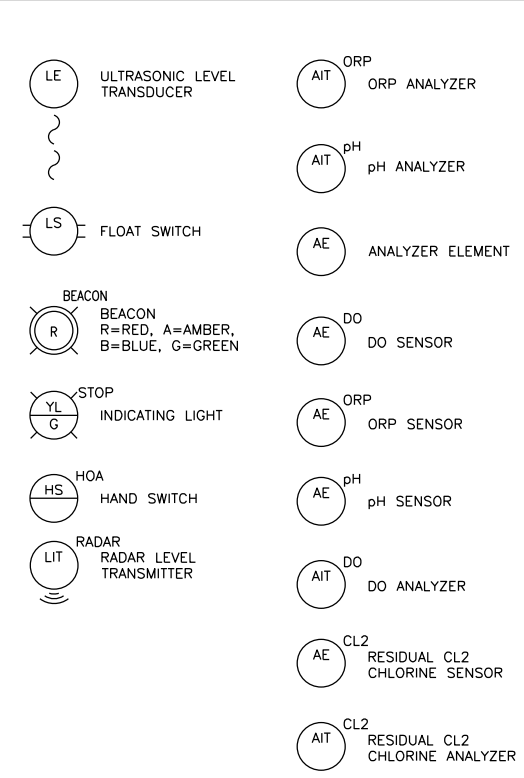
P&ID VALVE SYMBOLS



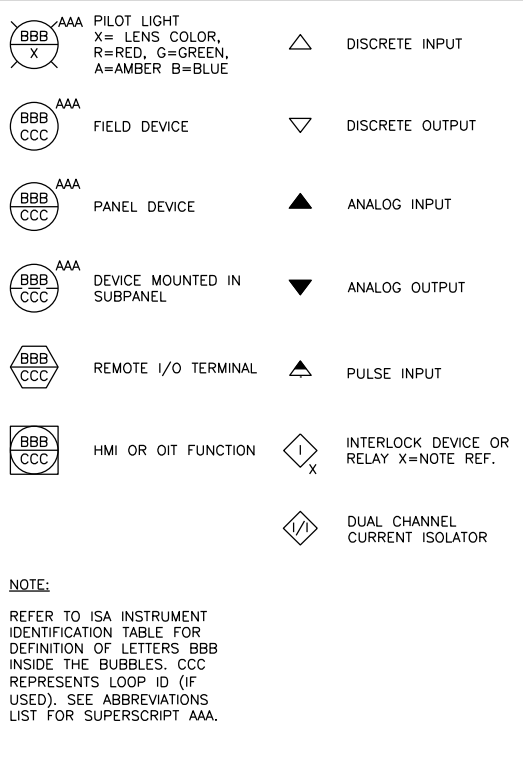
P&ID EQUIPMENT AND PROCESS SYMBOLS



SENSING, INDICATION, AND CONTROL SYMBOLS

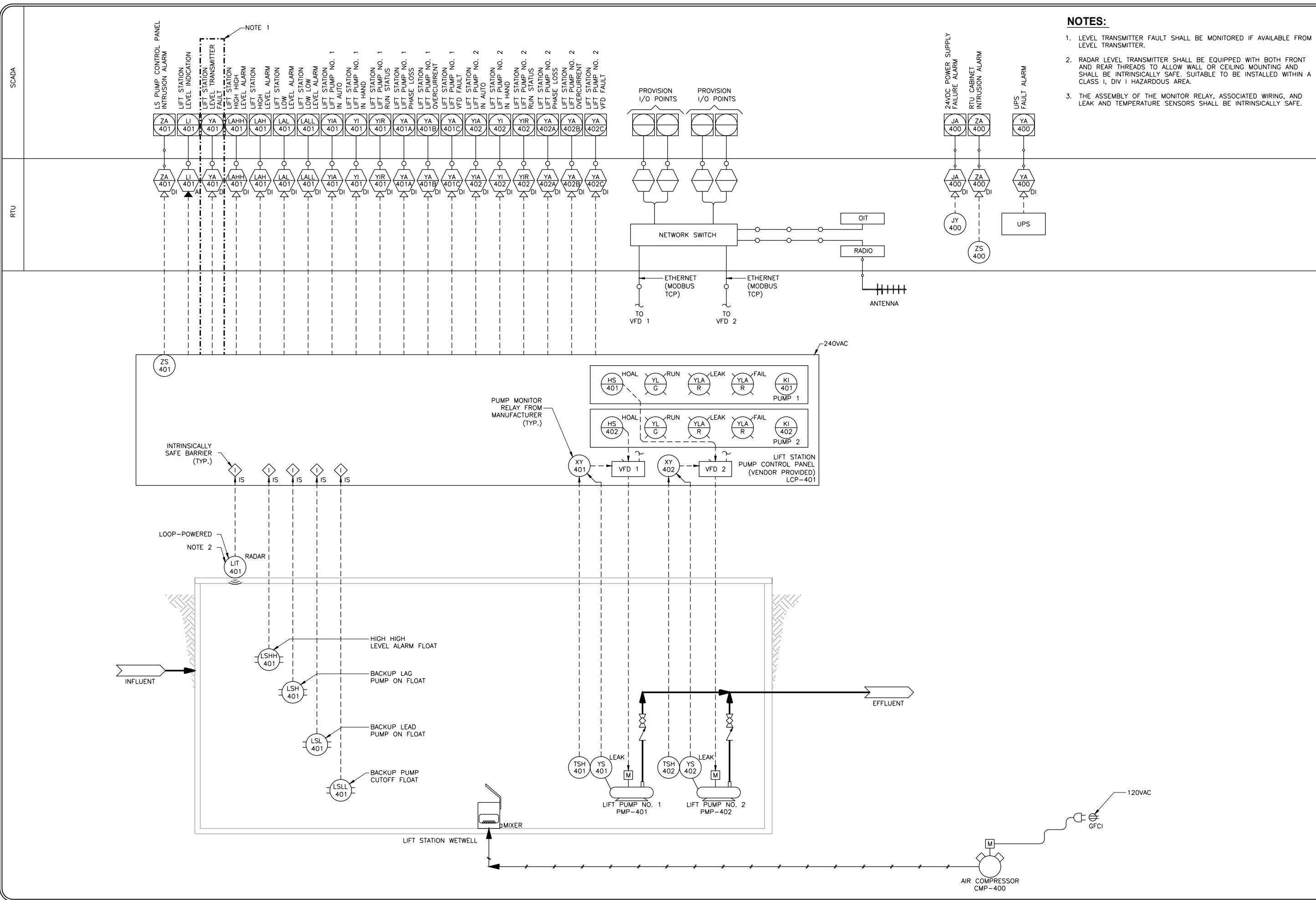


P&ID INTERFACE SYMBOLS



NOTE: REFER TO ISA INSTRUMENT IDENTIFICATION TABLE FOR DEFINITION OF LETTERS BBB INSIDE THE BUBBLES. CCC REPRESENTS LOOP ID (IF USED). SEE ABBREVIATIONS LIST FOR SUPERScript AAA.

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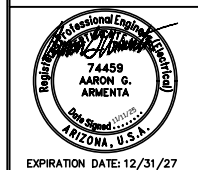


- NOTES:**
1. LEVEL TRANSMITTER FAULT SHALL BE MONITORED IF AVAILABLE FROM LEVEL TRANSMITTER.
 2. RADAR LEVEL TRANSMITTER SHALL BE EQUIPPED WITH BOTH FRONT AND REAR THREADS TO ALLOW WALL OR CEILING MOUNTING AND SHALL BE INTRINSICALLY SAFE. SUITABLE TO BE INSTALLED WITHIN A CLASS I, DIV I HAZARDOUS AREA.
 3. THE ASSEMBLY OF THE MONITOR RELAY, ASSOCIATED WIRING, AND LEAK AND TEMPERATURE SENSORS SHALL BE INTRINSICALLY SAFE.

No.	Revision	Note	Date	Drawn	Check

**NAVAJO TRIBAL UTILITY AUTHORITY
COYOTE LIFT STATION FACILITIES**

P&ID



Drawn by:	ML
Design by:	GAR
Approved by:	AGA
Date:	11/11/25
Project No.:	2497
Sheet No.:	I-02