

LEGEND WELL HOUSE SNOWBASIN RESORT COMPANY

LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, T6N, R1E, SL B&M, AND THE SOUTHEAST QUARTER OF SECTION 32, T6N, R1E, SL B&M. WEBER COUNTY, UTAH
THIS PROJECT CONSISTS OF DEVELOPING THE LEGEND WELL HOUSE



INDEX OF DRAWINGS

CIVIL		
SHEET NO.	SHEET DESCRIPTION	
1	C000	COVER SHEET
2	C001	GENERAL NOTES
3	C100	DEMO PLAN
4	C200	SITE & UTILITY PLAN
5	C300	GRADING PLAN
6	C500	PLAN & PROFILE
7	C501	PLAN & PROFILE
8	C502	PLAN & PROFILE
9	C600	EROSION CONTROL PLAN
10	C601	EROSION CONTROL DETAILS
11	C700	LEGEND WELL HOUSE FLOOR PLAN & ELEVATION
12	C701	DETAILS
13	C702	DETAILS
14	C703	DETAILS

STRUCTURAL

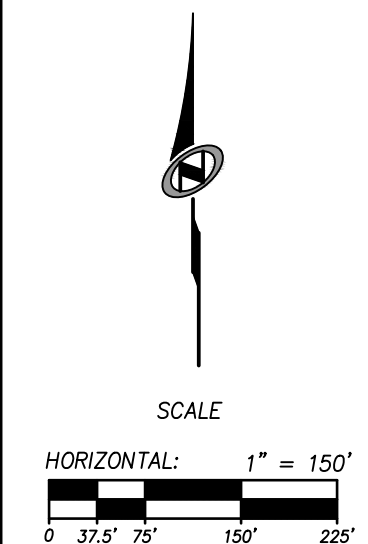
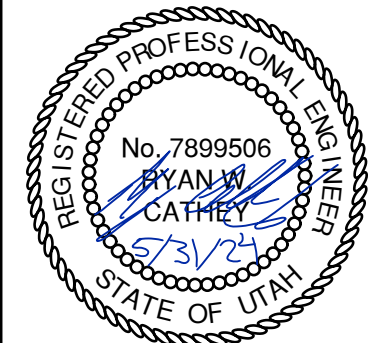
SHEET NO.	SHEET DESCRIPTION	
1	S0.0	GENERAL STRUCTURAL NOTES
2	S0.1	SPECIAL INSPECTIONS SCHEDULE
3	S1.1	STRUCTURAL PLANS AND SECTIONS
4	S3.1	FOUNDATION AND FRAMING DETAILS

ELECTRICAL

SHEET NO.	SHEET DESCRIPTION	
1	EG001	GENERAL NOTES AND SYMBOLS LIST
2	EG501	DETAILS
3	EP101	POWER PLANS
4	EP601	SCHEDULES
5	EP701	RISER DIAGRAMS
6	EP702	TELEMETRY RISER DIAGRAM



LEGEND WELL HOUSE
SNOWBASIN RESORT COMPANY
COVER SHEET



SHEET NUMBER
C000

1 OF 14

1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: APWA, WEBER COUNTY, TRAPPERS LOOP IMPROVEMENT DISTRICT, UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION & DRINKING WATER, INDIVIDUAL PRODUCT MANUFACTURERS, AND THE DESIGN ENGINEER. IF A CONSTRUCTION PRACTICE IS NOT SPECIFIED BY ANY OF THE LISTED SOURCES, CONTRACTOR MUST CONTACT DESIGN ENGINEER FOR DIRECTION.
2. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER.
3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
4. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES.
5. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS REQUIRED BY ALL OF THE AGENCIES COVERED BY THIS BID.
6. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
7. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES.
8. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND.
9. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL ENGINEER.
10. CATCH SLOPES SHALL BE GRADED AS SPECIFIED ON GRADING PLANS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLAGGING, CAUTION SIGNS, LIGHTS, BARRICADES, FLAGMEN, AND ALL OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
12. CONTRACTOR SHALL, AT THE TIME OF BIDDING AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND SHALL BE NECESSARY TO COMPLETE THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS.
13. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER OF THE LOCATION OF THE PROPOSED WORK AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK. IF, DURING THE COURSE OF THE EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION. THE EXAMINATION BEFORE SUBMITTING THEIR BID, SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE RELIED AND IS RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO, THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY BY THE CONTRACTOR. IF THE CONTRACTOR, CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER- OR ENGINEER-FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.
14. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
15. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND/OR GOVERNING AGENCIES.
16. CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
17. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE NEGLIGENCE OF THE CONTRACTOR OR ENGINEER.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
19. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
20. WHENEVER EXISTING FACILITIES ARE DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.

21. CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR, PRIOR TO ACCEPTANCE. THE CONTRACTOR SHALL PROVIDE AND DELIVER TO THE ENGINEER ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
22. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL, AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
23. CONTRACTOR SHALL BE A SKILLED AND REGULARLY EMPLOYED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR. PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THE TRUE INTENT AND PURPOSE OF THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SUFFICIENT SKILL TO THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
24. CONTRACTOR SHALL PROVIDE ALL SHIELDING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 4' OR MORE. FOR EXCAVATIONS 4 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS SECTION 68 – EXCAVATIONS, AND SECTION 69 – TRENCHES, ALONG WITH ANY LOCAL CODES OR ORDINANCES.
25. ALL EXISTING GATES AND FENCES TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL GATES AND FENCES FROM DAMAGE.
26. UNCLASSIFIED EXCAVATION SHALL BE PROPERLY DISPOSED OF PER GOVERNMENT REGULATIONS.
27. THE IMPROVEMENTS SHOULD BE CONSTRUCTED BASED ON SURVEY OF EXISTING CONDITION USED AS BASIS OF DESIGN. CONTRACTOR TO ENSURE STANDARD RFI PROCESS IF THEY DISCOVER A DISCREPANCY IN THE ACTUAL CONDITION OR NOT AS SURVEYED.

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING A COMBINATION OF ON-SITE SURVEYS AND RECORD DRAWINGS. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE PROJECT.
2. CONTRACTOR SHALL POT HOLE ALL UTILITIES TO DETERMINE IF CONFLICTS EXIST PRIOR TO BEGINNING ANY EXCAVATION. NOTIFY ENGINEER OF ANY CONFLICTS. CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF EXISTING UTILITIES TO WHICH NEW UTILITIES WILL BE CONNECTED. PRIOR TO COMMENCING ANY EXCAVATION WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE REQUIRED PROCEDURES.
3. CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT THEIR EXPENSE.
4. ALL VALVES AND MANHOLE COVERS IN THE IMPROVEMENT AREA SHALL BE RAISED OR LOWERED TO MEET FINISHED GRADE.
5. CONTRACTOR SHALL CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE.
6. CONTRACTOR SHALL GROUT AT CONNECTION OF PIPE TO BOX WITH NON-SHRINKING GROUT, INCLUDING PIPE VOIDS LEFT BY CUTTING PROCESS, TO A SMOOTH FINISH.
7. CONTRACTOR SHALL GROUT WITH NON-SHRINK GROUT BETWEEN GRADE RINGS AND BETWEEN BOTTOM TWO FEET OF PIPE AND TOP OF CONCRETE BOX. SILT AND DEBRIS IS TO BE CLEANED OUT OF ALL STORM DRAIN BOXES. CATCH BASINS ARE TO BE MAINTAINED IN A CLEANED CONDITION AS NEEDED UNTIL AFTER THE FINAL BOND RELEASE INSPECTION.
9. CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE LIDS AND INLET GRATES TO ALLOW ACCESS.
10. EACH TRENCH SHALL BE EXCAVATED SO THAT THE PIPE CAN BE LAID TO THE ALIGNMENT AND GRADE AS REQUIRED. THE TRENCH WALL SHALL BE SO BRACED THAT THE WORKERS MAY WORK SAFELY AND EFFICIENTLY. ALL TRENCHES SHALL BE DESIGNED SO THE PIPE LAYING MAY TAKE PLACE IN DEWATERED CONDITIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COST OF DEWATERING AND NO COST CHANGE WILL BE PROVIDED.
11. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.
12. MAINTAIN A MINIMUM 18" VERTICAL SEPARATION DISTANCE BETWEEN ALL UTILITY CROSSINGS.
13. CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES.
14. ALL BURIED FITTINGS MUST BE GREASED AND WRAPPED.
15. UNLESS SPECIFICALLY NOTED OTHERWISE, MAINTAIN AT LEAST 2 FEET OF COVER OVER ALL STORM DRAIN LINES AT ALL TIMES (INCLUDING DURING CONSTRUCTION).
16. ALL WATER LINES SHALL BE INSTALLED A MINIMUM OF 9' OF COVER TO TOP OF PIPE BELOW FINISHED GRADE.
17. ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET, PIPE EDGE TO PIPE EDGE, FROM THE WATER LINES.
18. CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS AND TEES.
19. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK AND STREET PAVING.
20. CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL NONMETALLIC PIPE.
21. UNDER NO CIRCUMSTANCE SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH.
22. ALL IRRIGATION SYSTEMS ARE TO REMAIN FUNCTIONAL DURING CONSTRUCTION. CAP BROKEN LINES UNTIL REPAIRED, SO THAT SYSTEM IS FUNCTIONAL.

SYMBOL/LINETYPE	DESCRIPTION	HATCH	DESCRIPTION
	EXISTING FENCE		EXISTING BIKE TRAIL
	EXISTING WATER VALVE		EXISTING CHAIR LIFT
	EXISTING WATER METER		EXISTING DRAINAGE CHANNEL
	EXISTING FIRE HYDRANT		EXISTING IRRIGATION
	EXISTING ELECTRICAL BOX		EXISTING SNOWMAKING
	EXISTING LIGHT POLE		EXISTING TREE LINE
	EXISTING TELECOMMUNICATIONS VAULT		PROPOSED EDGE OF DIRT ROAD
	MISCELLANEOUS MANHOLE		
	EXISTING SANITARY SEWER MANHOLE		EXISTING BUILDING
	EXISTING GAS METER		EXISTING CONCRETE
	EXISTING STORM DRAIN DROP INLET		EXISTING LANDSCAPING
	EXISTING WATER LINE		CLEAR AND GRUB
	EXISTING COMMUNICATIONS LINE		EXISTING GRAVEL
	EXISTING FIBER OPTIC LINE		EXISTING TRAIL
	EXISTING GAS LINE		PROPOSED ASPHALT
	EXISTING UNDER GROUND POWER		PROPOSED LANDSCAPING
	EXISTING SEWER PIPE		PROPOSED ROAD BASE
	EXISTING PRESSURE SEWER PIPE		EXISTING WELL HEAD
	EXISTING STORM DRAIN PIPE		
	PROPERTY LINE		
	EXISTING EASEMENT		
	EXISTING STREAM ALIGNMENT		
	EXISTING POWER POLE		
	EXISTING GUY WIRE		
	EXISTING SIGN		
	PROPOSED ELECTRICAL BOX		
	PROPOSED TELECOMMUNICATIONS VAULT		
	PROPOSED SANITARY SEWER MANHOLE		
	PROPOSED WATER LINE		
	PROPOSED SANITARY SEWER PIPE		
	PROPOSED PRESSURE SEWER PIPE		
	PROPOSED FIBER OPTIC LINE		
	PROPOSED STORM DRAIN CULVERT		
	PROPOSED COMMUNICATIONS LINE		
	PROPOSED GAS LINE		
	PROPOSED POWER CONDUIT		
	ROAD CENTERLINE		
	UTILITY DEMO		
	BOUNDARY LINE		
	PROPOSED BOUNDARY LINE		
	APPROXIMATE LIMITS OF DISTURBANCE		
	FLOWLINE		

APWA	AMERICAN PUBLIC WORKS ASSOCIATION	HP	HIGH POINT
AC	ASPHALTIC CONCRETE	HT	HIGH TEMPERATURE
APPR.	APPROXIMATELY	HTW	HIGH TEMPERATURE WATER
ARV	AIR RELEASE VALVE	HV	HIGH VOLTAGE
BDRY	BOUNDARY	HORIZ	HORIZONTAL
BG	FINISH GRADE AT BUILDING	HYD	HYDRANT
BRC	BEARING	ID	INSIDE DIAMETER
BVC	BEGIN VERTICAL CURVE	IE	INVERT ELEVATION
BW	BOTTOM OF WALL	IRR	IRRIGATION
CAV	COMBINATION AIR VALVE	L	LENGTH
CB	CATCH BASIN	LF	LINEAR FEET
CL	CENTERLINE	LP	LOW POINT
CMP	CORRUGATED METAL PIPE	MA	MATCH
COB	CLEANOUT BOX	MAX	MAXIMUM
CONC	CONCRETE	MH	MANHOLE
DET	DETAIL	MIN	MINIMUM
DIP	DUCTILE IRON PIPE	MJ	MECHANICAL JOINT
DIA	DIAMETER	N	NORTH
DIST	DISTRICT	NIC	NOT IN CONTRACT
DWG	DRAWING	NTS	NOT TO SCALE
EA	EACH	OAE	OR APPROVED EQUAL
EG	EXISTING GRADE	OC	ON CENTER
EP	EDGE OF PAVEMENT	OH	OVERHEAD
ELEV	ELEVATION	P	POWER
ESMT	EASEMENT	PC	POINT OF CURVATURE
EX	EXISTING	PI	POINT OF INTERSECTION
FF	FINISH FLOOR	PL	PROPERTY LINE
FG	FINISH GRADE	POC	POINT OF CURVE
FH	FIRE HYDRANT	PP	POWER POLE
FL	FLOWLINE	PR	PROPOSED
FT	FEET	PRC	POINT OF REVERSE CURVE

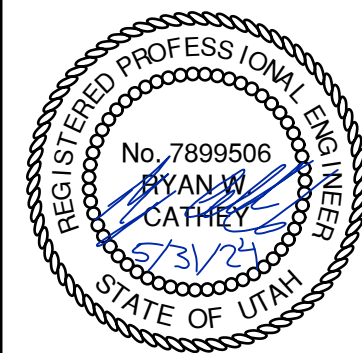
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PUE	PUBLIC UTILITY EASEMENT
PVT	POINT OF VERTICAL TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERENCE
ROW	RIGHT-OF-WAY
RS	SANITARY SEWER
SD	STORM DRAIN
SCH	SCHEDULE
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
T	TOP OF ASPHALT
TBC	TOP BACK OF CURB
TC	TOP OF CURB
TEMP	TEMPORARY
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
VAR	VARIABLE
W	WATER
W/	WITH
&	AND
@	AT

[illegible]

**LEGEND WELL HOUSE
SNOWBASIN RESORT COMPANY
GENERAL NOTES**

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 23-300-101



SHEET NUMBER

C001



DATE: 6/21/2024 9:53 AM

PATH: N:\19-300-Snowbasin\23-300-101 - Legend Well House Design\Cadd\ip\PTOPD.dwg

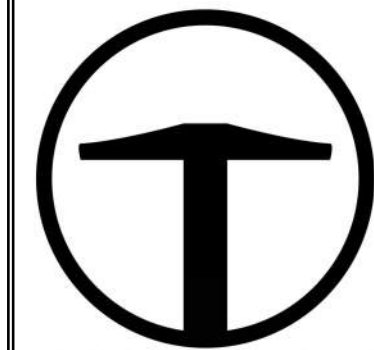


GENERAL NOTES:

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL EXISTING UTILITIES AND IMPROVEMENTS WHETHER OR NOT SHOWN ON THESE PLANS. THE FACILITIES AND IMPROVEMENTS ARE BELIEVED TO BE CORRECTLY SHOWN BUT THE CONTRACTOR IS REQUIRED TO SATISFY THEMSELVES AS TO THE COMPLETENESS AND ACCURACY OF THE LOCATIONS. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY, OR INDIRECTLY, FROM THEIR OPERATIONS, WHETHER OR NOT SAID FACILITIES ARE SHOWN ON THESE PLANS.

SCOPE OF WORK:

- 1 APPROXIMATE LIMITS-OF-DISTURBANCE.
- 2 CLEAR & GRUB.
- 3 REMOVE AND PROPERLY DISPOSE OF EXISTING TREE.
- 4 PROTECT IN PLACE EXISTING ROAD/TRAIL.
- 5 PROTECT IN PLACE EXISTING TREE.
- 6 PROTECT IN PLACE EXISTING UTILITY.
- 7 PROTECT WELL HEAD IN PLACE.



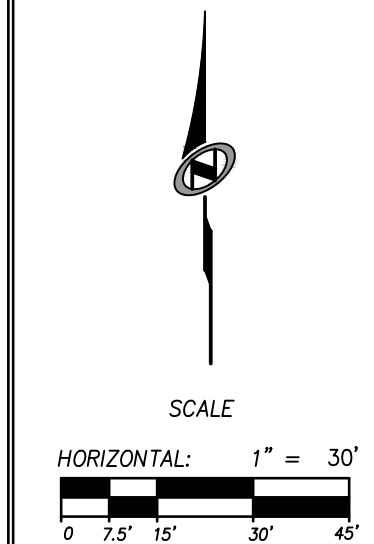
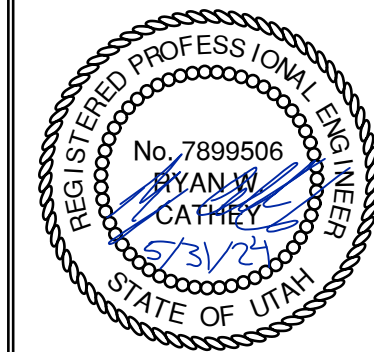
TALISMAN
CIVIL CONSULTANTS
1588 SOUTH MAIN STREET
SUITE 200
SALT LAKE CITY, UT 84115
801.743.1300

NO.	BY	DATE	REVISIONS

SNOWBASIN RESORT
LEGEND WELL HOUSE
DEMO PLAN

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01

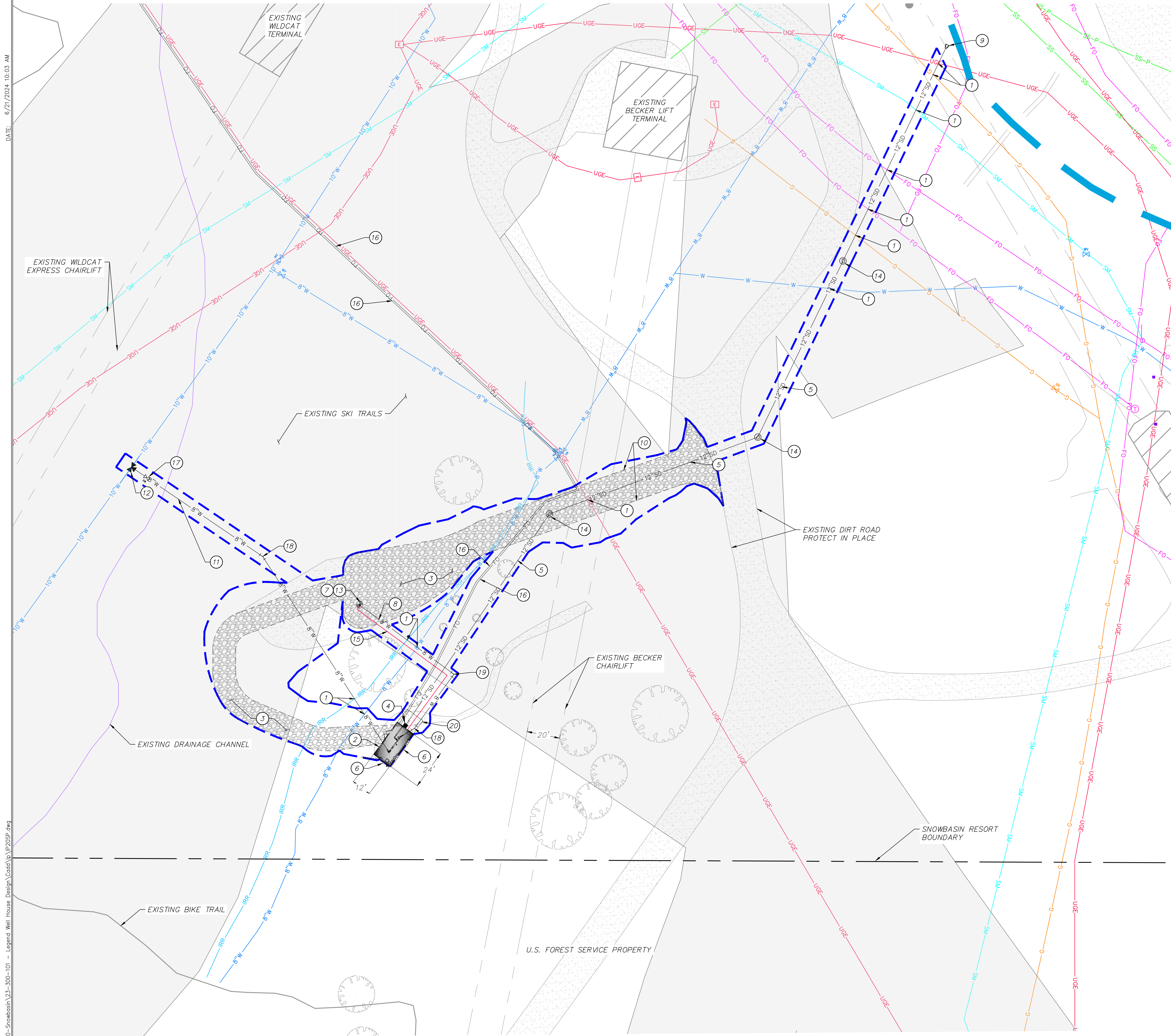


SHEET NUMBER
C100
3 OF 14



DATE: 6/21/2024 10:03 AM

PATH: N:\19-300-Snowbasin\23-300-101 - Legend Well House Design\Cadd\lp VP20SP.dwg



GENERAL NOTES:

1. SEE GRADING DRAWINGS, SHEET C300, FOR ADDITIONAL DESIGN INFORMATION.
2. ALL SITE IMPROVEMENTS SHALL CONFORM TO THE PUBLIC WORKS STANDARDS OF WEBER COUNTY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
4. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
5. LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN.
6. ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES, DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
7. POTHOLE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
8. MAINTAIN 7" MIN. COVER ON ALL WATER & SNOWMAKING LINES.

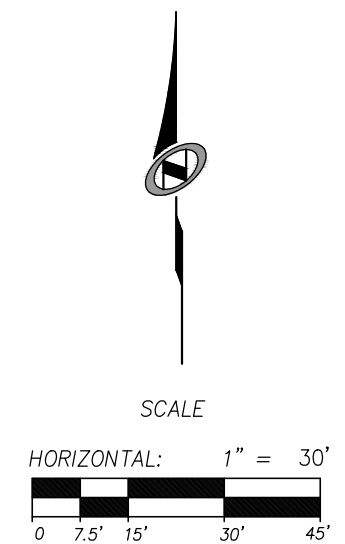
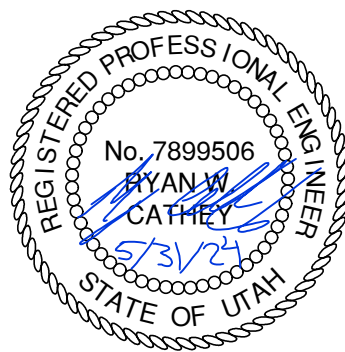
SITE SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- ① UTILITY CROSSING PROTECT IN PLACE. CONTRACTOR TO VERIFY ELEVATION PRIOR TO CONSTRUCTION.
- ② WELL HOUSE. SEE SHEET C700 FOR FLOOR & SECTION PLANS.
- ③ 6" DEEP COMPACTED ROAD BASE WELL MAINTENANCE PAD.
- ④ 4'X4' CATCH BASIN PER APWA DETAIL 332. SEE SHEET C702.
- ⑤ 12" CLASS III RCP PIPE PER APWA DETAIL 381 & 382. SEE SHEET C702.
- ⑥ INSTALL PROPOSED ROCKERY WALL. PER DETAIL 3. SEE SHEET C703.
- ⑦ INSTALL PITLESS ADAPTER PER DETAIL W. SEE SHEET C700.
- ⑧ 8" CONCRETE LINED CLASS 52 DIP WATER LINE FROM WELL PER APWA DETAIL 381 & 382. SEE SHEET C702.
- ⑨ 12" FLARED END SECTION PER APWA DETAIL 323.1. SEE SHEET C703.
- ⑩ 20' WIDE ACCESS ROAD, WITH 6" DEEP COMPACTED ROAD BASE.
- ⑪ 8" CONCRETE LINED CLASS 52 DIP WATERLINE PER APWA DETAIL 381 & 382. SEE SHEET C702.
- ⑫ INSTALL 10" X 8" TEE WITH THRUST BLOCKING PER APWA DETAIL 561. SEE SHEET C703.
- ⑬ INSTALL PERMANENT WELL PUMP. GRUNDFOS 1505380-15. SEE SHEET C703.
- ⑭ INSTALL 4'Ø MANHOLE PER APWA DETAIL 341.1. SEE SHEET C702.
- ⑮ INSTALL X" CONDUIT FOR POWER. SEE ELECTRICAL DRAWINGS FOR CONNECTIONS AND POWER REQUIREMENTS.
- ⑯ POWER & DATA TO BE SUPPLIED & INSTALLED TO SITE BY SNOWBASIN.
- ⑰ INSTALL 8" GATE VALVE.
- ⑱ INSTALL 22.5' BEND PER APWA DETAIL 561. SEE SHEET C703.
- ⑲ INSTALL 90' BEND PER APWA DETAIL 561. SEE SHEET C703.
- ⑳ 10'X12' SLAB-ON-GRADE HOUSEKEEPING PAD, SEE STRUCTURAL DRAWINGS



SNOWBASIN RESORT COMPANY
LEGEND WELL HOUSE
SITE & UTILITY PLAN

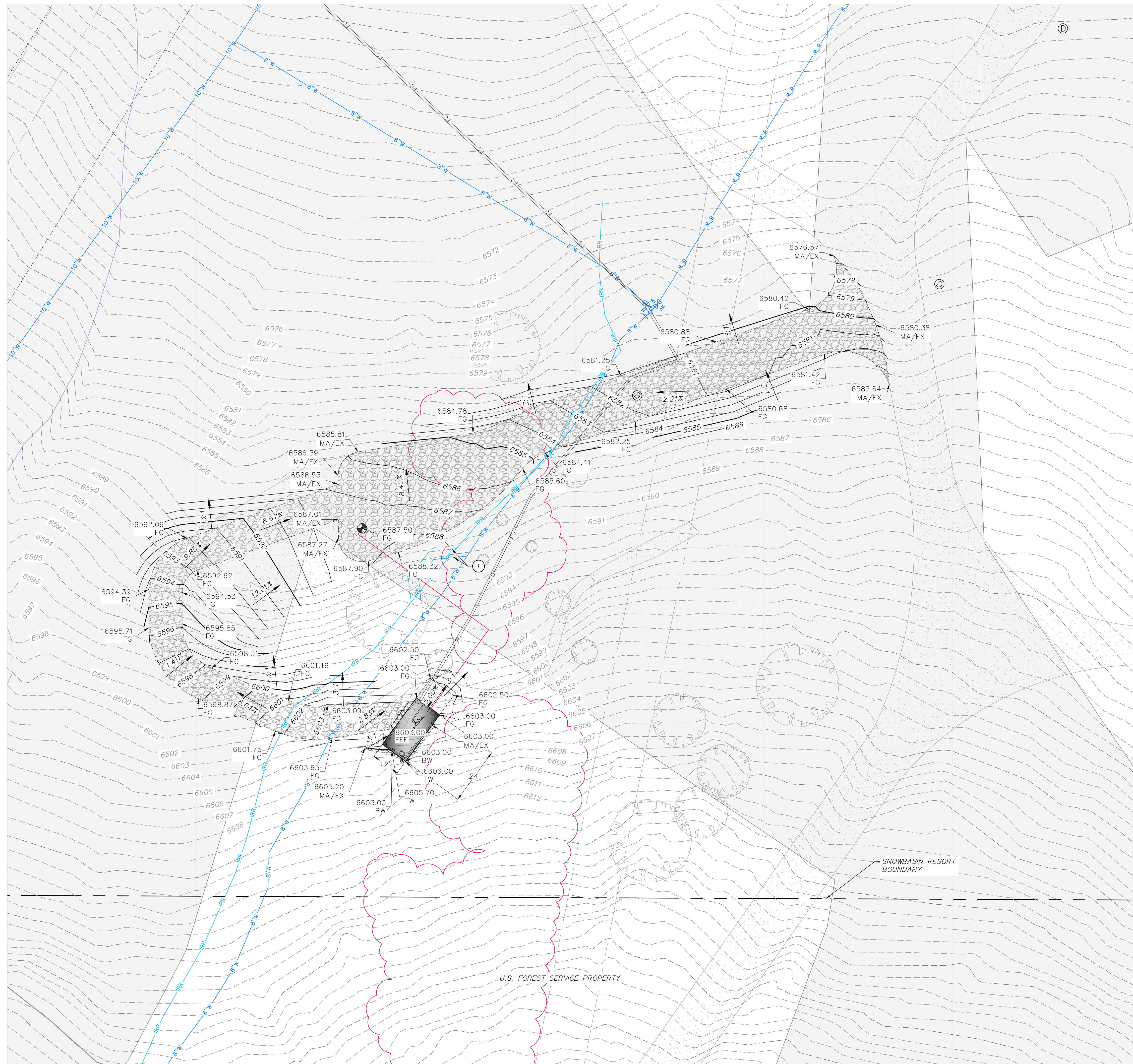


SHEET NUMBER
C200
4 OF 14



DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01

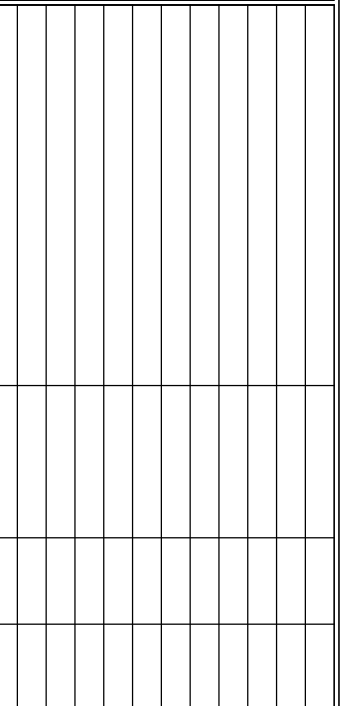


1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING THEM WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING SOIL CONDITIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
4. THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL AND DUST SUPPRESSION FOR CONSTRUCTION OF THIS PROJECT.
5. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
6. LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN.
7. ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES, DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.

CONTRACTOR TO POTHOLE EXISTING WATER LINE AND IRRIGATION LINE PRIOR TO GRADING. IF IRRIGATION AND WATER CANNOT MAINTAIN A MINIMUM BURY DEPTH OF 3' AND 6' RESPECTIVELY, RELOCATE WATER & IRRIGATION LINE(S) PER ALTERNATE.

——— XXXX ——— EXISTING ELEVATION CONTOURS
 ——— XXXX ———
 ——— XXXX ——— PROPOSED ELEVATION CONTOURS
 ——— XXXX ———

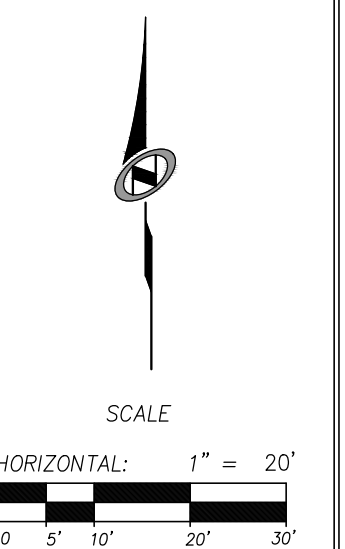
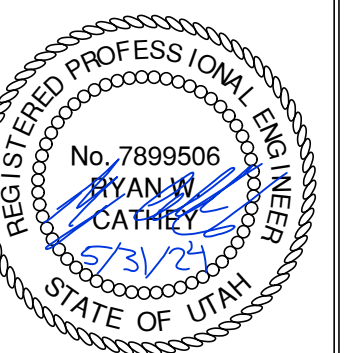
CUT/FILL			
CUT C.Y.	FILL C.Y.	NET FILL C.Y.	ROAD BASE IMPORT C.Y.
290	318	27	173



SNOWBASIN RESORT COMPANY
LEGEND WELL HOUSE
GRADING PLAN

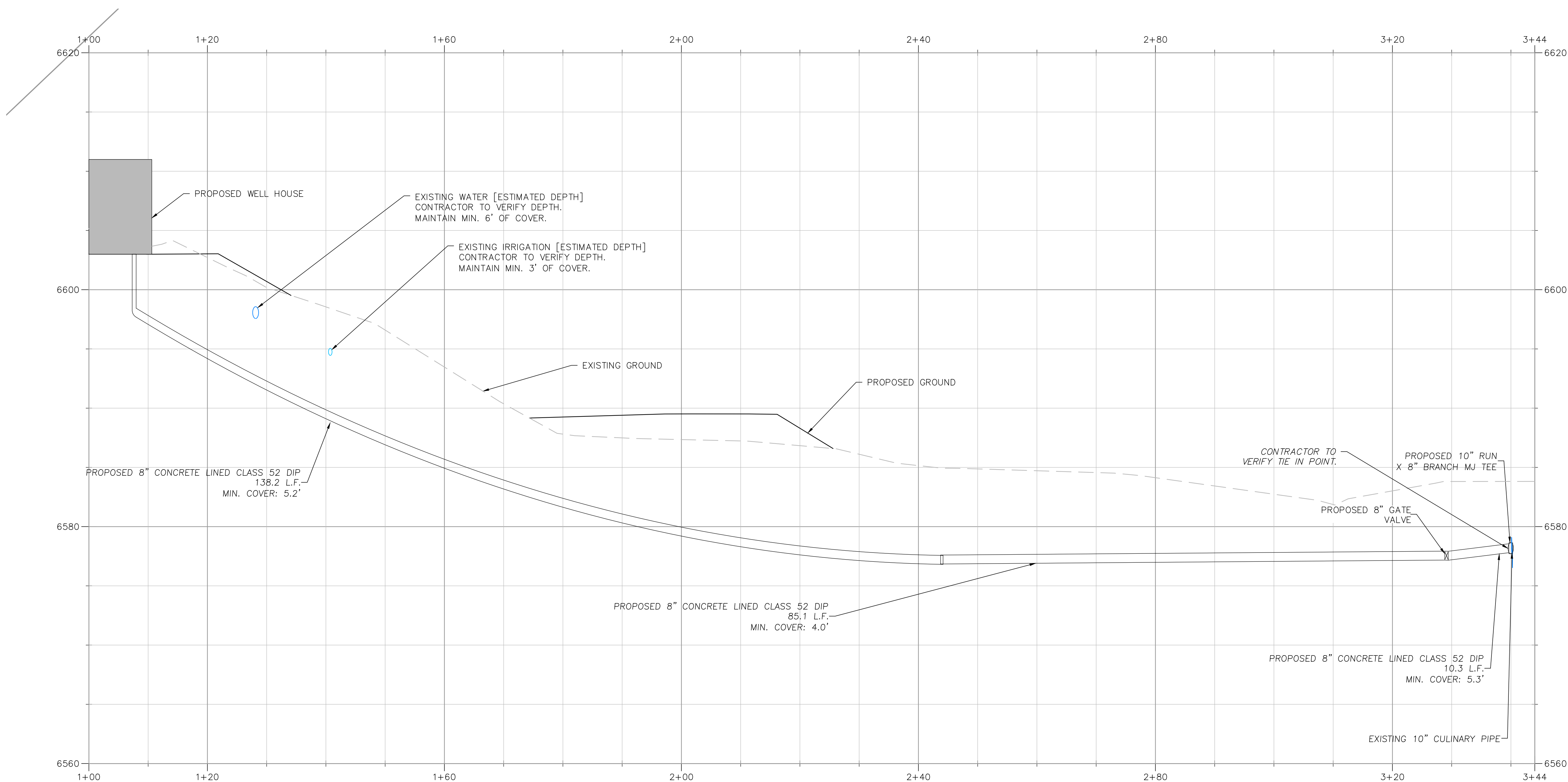
DATE SUBMITTED: 06.19.2024

ICC JOB NUMBER: 22-310-01

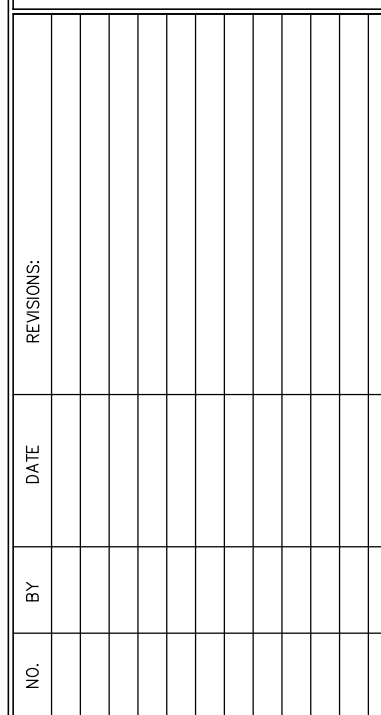


SHEET NUMBER

C300



 **WATER LINE PROFILE A-A**



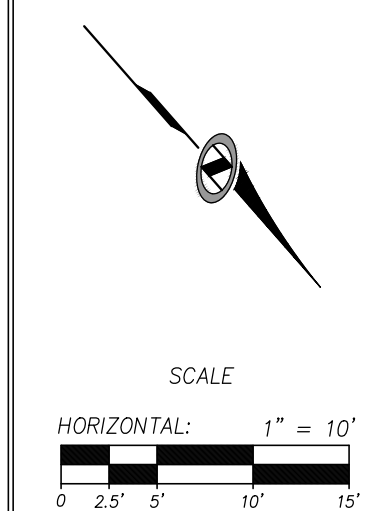
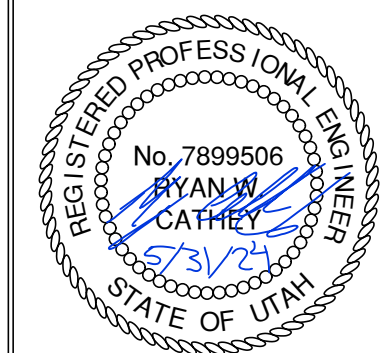
SNOWBASIN RESORT COMPANY

LEGEND WELL HOUSE

PLAN & PROFILE

DATE SUBMITTED: 06.19.2024

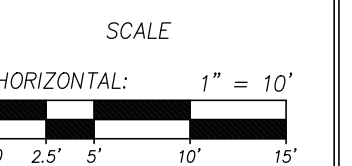
TCC JOB NUMBER: 22-310-01




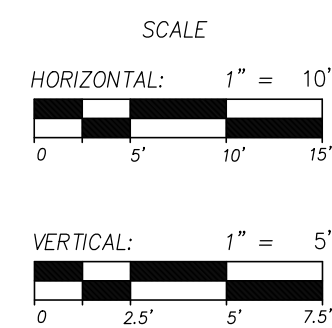
SHEET NUMBER
C500
6 OF 14



DATE SUBMITTED: 06.19.2024

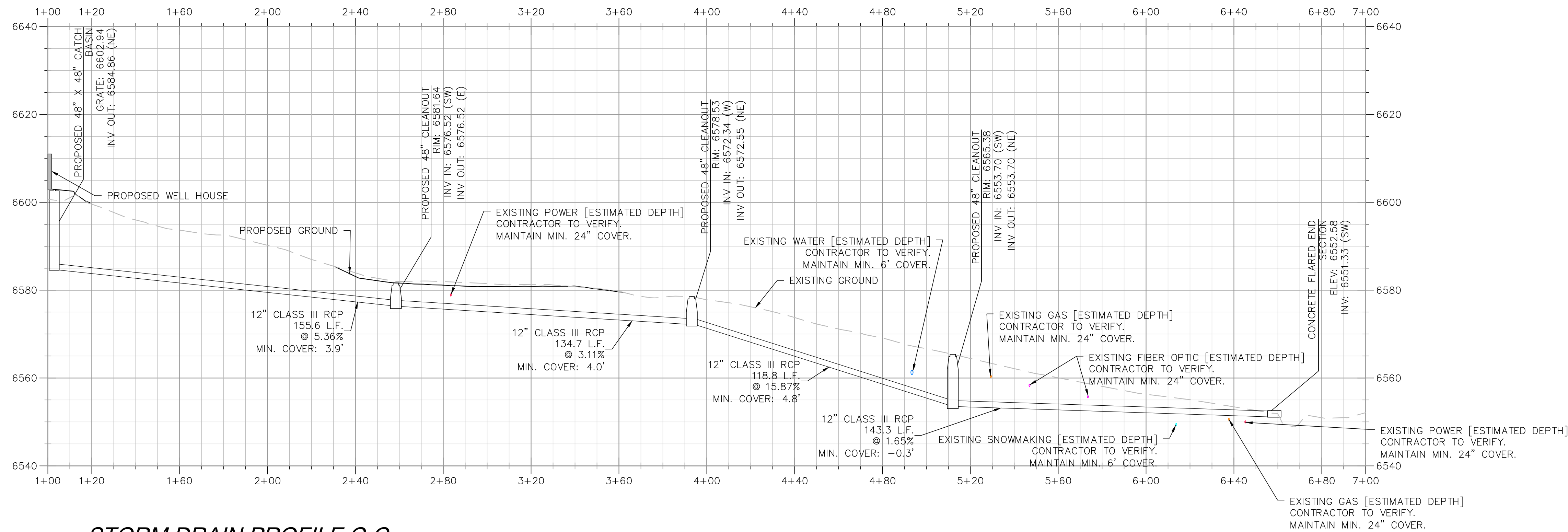
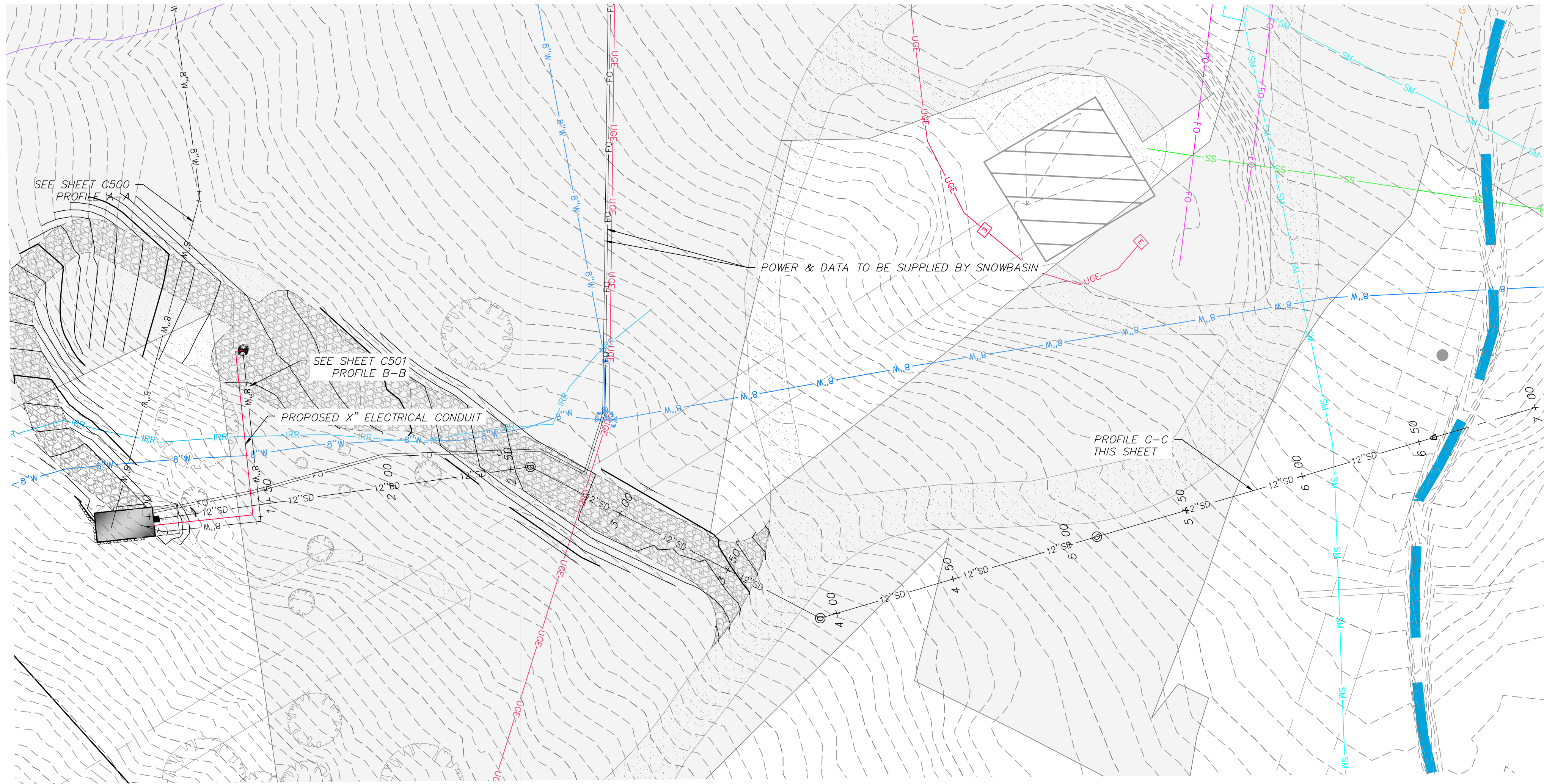


7 OF 14

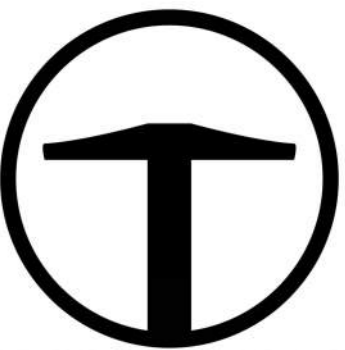
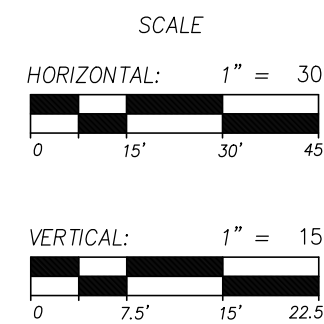


A circular symbol containing the text "B-B" with a horizontal line passing through the center, indicating the location of section line B-B.





STORM DRAIN PROFILE C-C



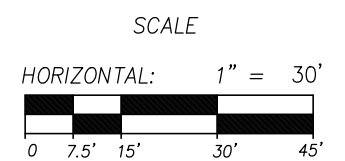
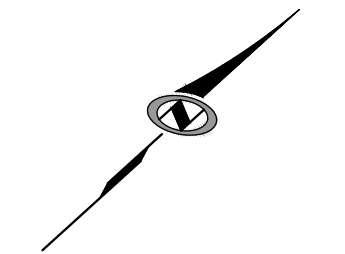
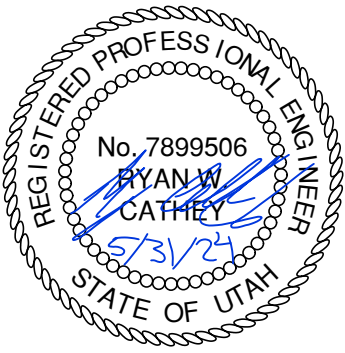
TALISMAN
CIVIL CONSULTANTS
1588 SOUTH MAIN STREET
SUITE 200
SALT LAKE CITY, UT 84115
801.743.1300

NO.	BY	DATE	REVISIONS

SNOWBASIN RESORT COMPANY
LEGEND WELL HOUSE
PLAN & PROFILE

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01

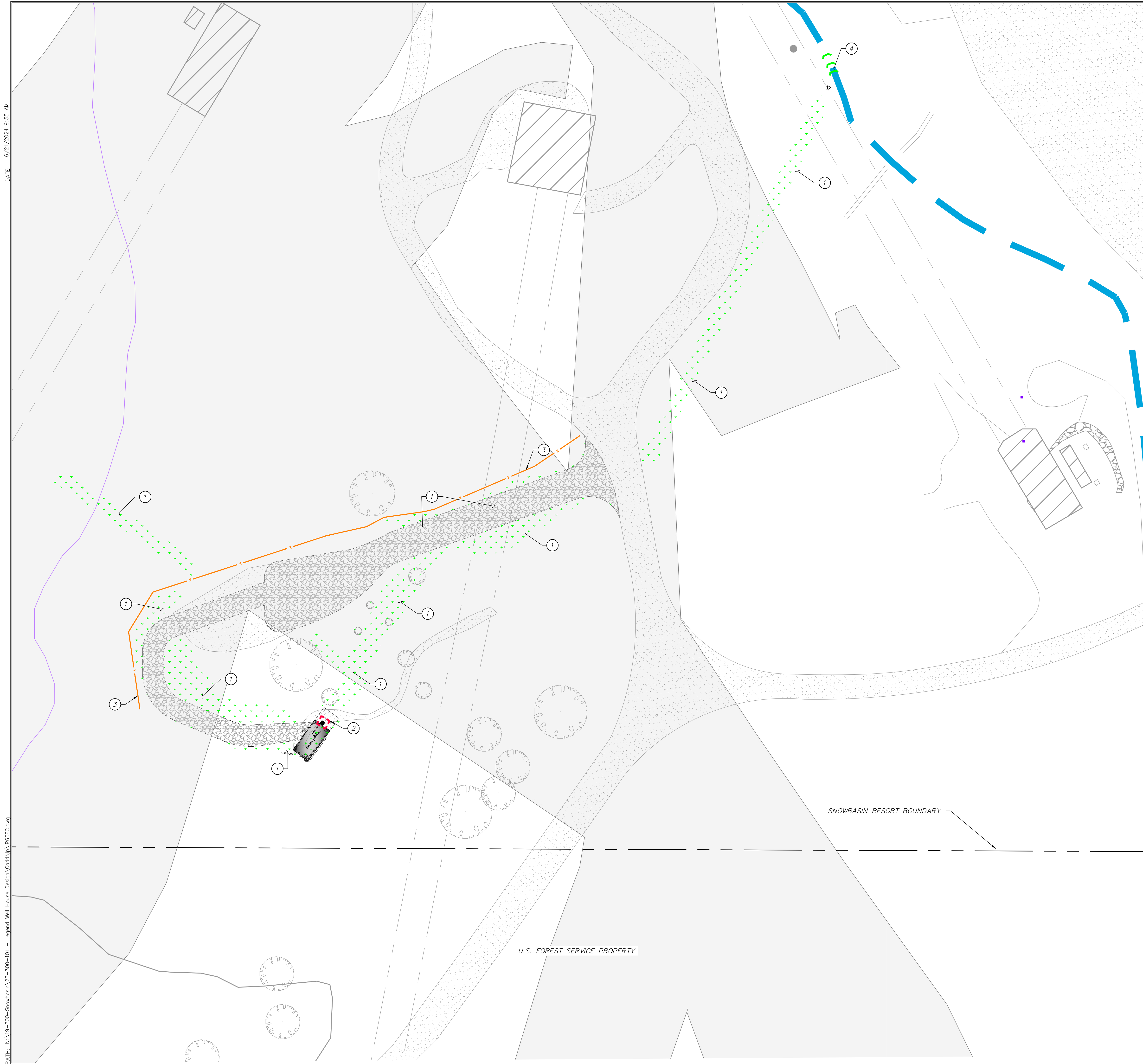


SHEET NUMBER
C502
8 OF 14



DATE: 6/21/2024 9:55 AM

PATH: N:\19-300-Snowbasin\23-300-101 - Legend Well House Design\Cadd\ip\PE6E.C.dwg



GENERAL NOTES:

1. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND PREPARE RELATED STATE AND WEBER COUNTY SUBMITTALS AND SECURE RELATED PERMITS.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE WEBER COUNTY EROSION CONTROL STANDARDS AND SPECIFICATIONS AND ALL WORK SHALL BE SUBJECT TO INSPECTION.
3. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL.
4. WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 30 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.
5. THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT'S NEEDS/COLLECTIONS.
6. ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL A CERTIFICATE OF OCCUPANCY IS ISSUED.
7. ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS.

MAINTENANCE:

1. THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE MADE BASED ON CONDITIONS THAT MAY ARISE IN THE FIELD OR ADDITIONAL CONTROL AS DEEMED NECESSARY.
2. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FIBER ROLL SHALL BE ACCOMPLISHED PROMPTLY.
4. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED FIBER ROLL OR SILT FENCE, END RUNS, AND UNDERCUTTING BENEATH FIBER ROLL SILT FENCE..
5. ALL BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED. THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- ① REVEGATION PER NATIVE SEED MIX SEE THIS SHEET.
- ② INSTALL INLET PROTECTION AROUND EXISTING OR NEW STORM DRAIN CATCH BASINS OR INLETS, PER APWA DETAIL 124.3, SEE SHEET C601.
- ③ INSTALL SILT FENCE PER DETAIL 1, SEE SHEET C601.
- ④ INSTALL STRAW WADDLE PER DETAIL 2, SEE SHEET C601.

LEGEND:

- SILT FENCE
- INLET PROTECTION
- REVEGATION
- STRAW WADDLE

SNOWBASIN SEED NATIVE SEED MIX:

GRASS/FORBS	LATIN NAME	% BY VOLUME
WHITE YARROW	AHCILLEA MILLEFOLIUM	1.5%
LEWIS BLUE FLAX	LINUM LEWISII	1.5%
MOUNTAIN LUPINE	LUPINUS	2.0%
BASIN WILDRIE	LEYMUS CINEREUS	5.0%
THICKSPIKE WHEATGRASS	ELYMUS LANCEOLATUS	15.0%
SLENDER WHEATGRASS	ELYMUS TRACHYCAULUS	25.0%
MOUNTAIN BROMEGRASS	BROMUS MARGINATUS	50.0%

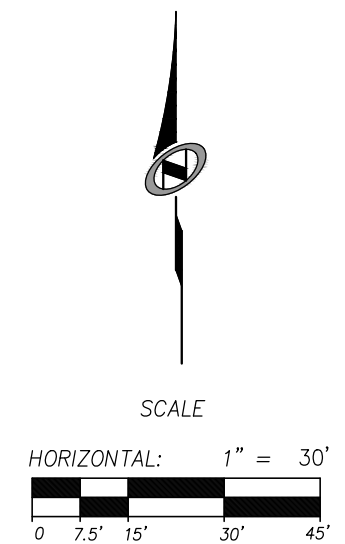
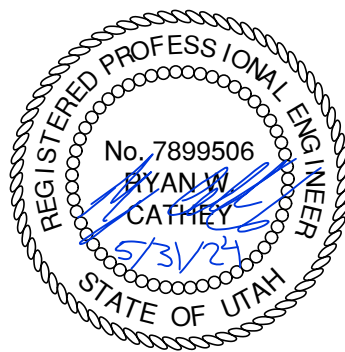


REVISED	DATE	BY	NO.

SNOWBASIN RESORT
LEGEND WELL HOUSE
EROSION CONTROL

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01



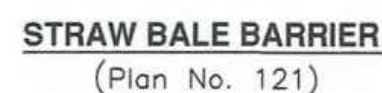
SHEET NUMBER
C600
9 OF 14



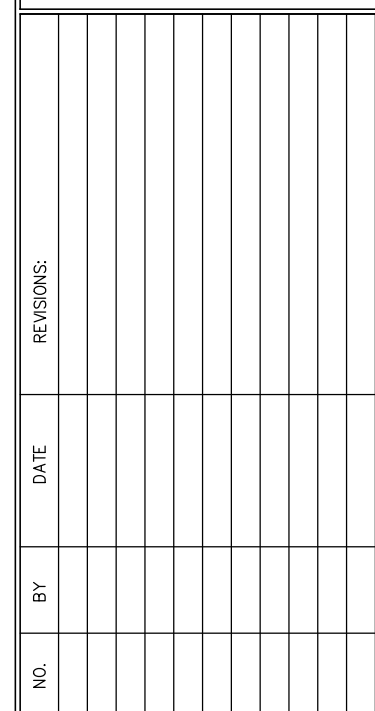
1. **GENERAL**
 - A. Description. A temporary sediment barrier around storm drain inlet.
 - B. Application. At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. **PRODUCT** (Not used)
3. **EXECUTION**
 - A. Installation and application criteria.
 - 1) Provide up gradient sediment controls, such as silt fence during construction of inlet.
 - 2) When construction of inlet is complete erect straw bale barrier, silt fence or other approved sediment barrier surrounding perimeter of inlet.
 - 3) Install filter fabric completely around grate.
 - B. Maintenance.
 - 1) Inspect inlet protection after every large storm event and at a minimum of once monthly.
 - 2) Remove sediment accumulated when it reaches 4-inches in depth.
 - 3) Repair or re-align barrier or fence as needed.
 - 4) Look for bypassing or undercutting and re-compact soil around barrier or fence as required.



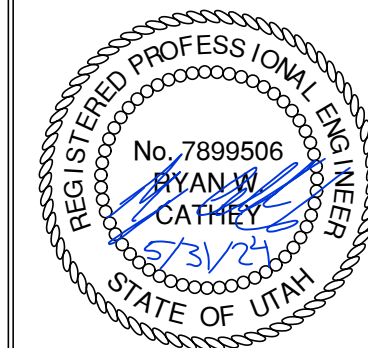
NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



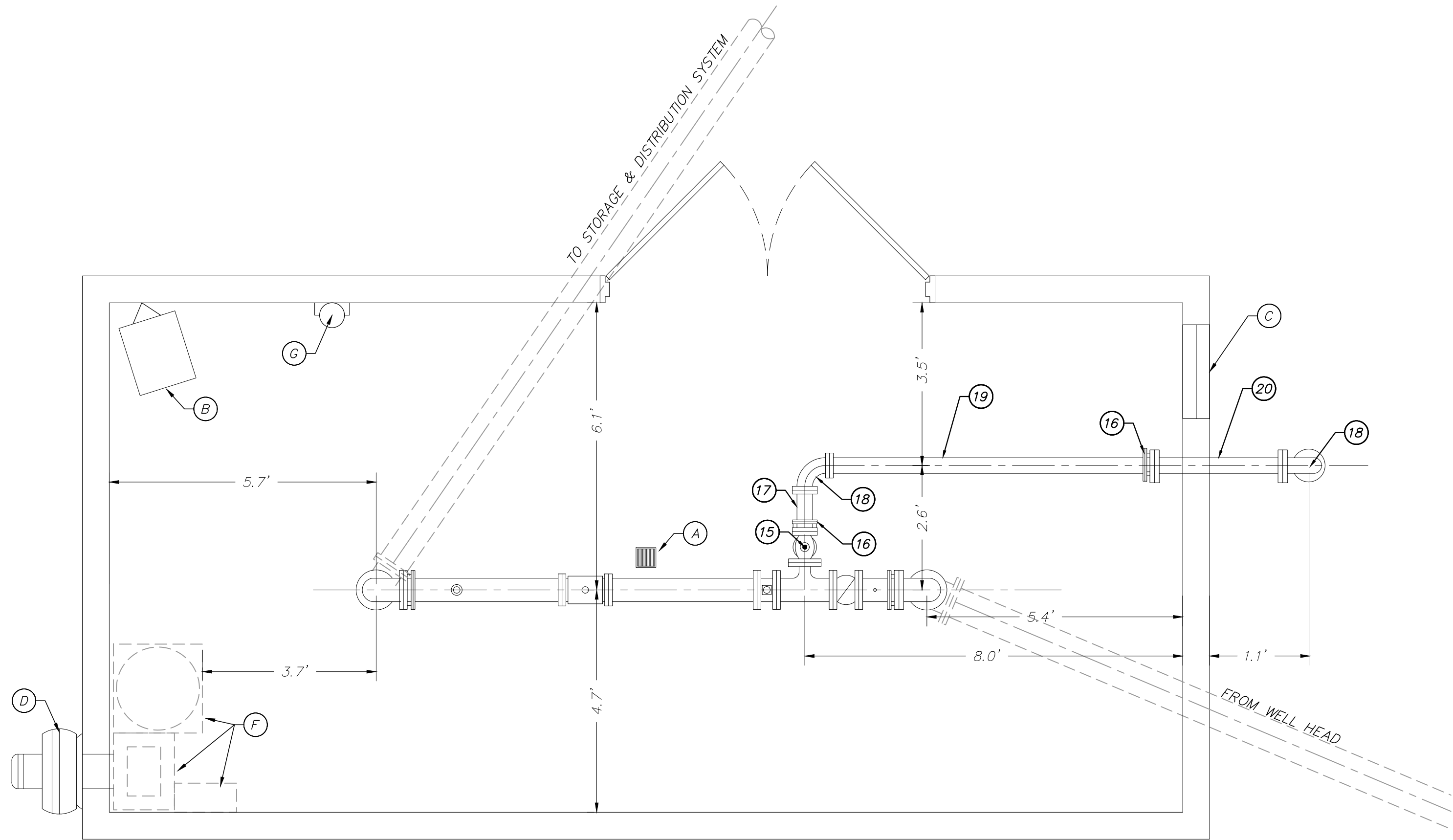
WADDLE SPACING	
SLOPE ANGLE	DISTANCE APART
UP TO 25%	NO MORE THAN 40'
25%-33%	NO MORE THAN 30'
33%-50%	NO MORE THAN 20'
50%-100%	NO MORE THAN 10'



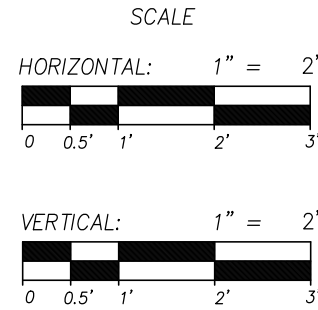
DATE SUBMITTED: 06.19.2024



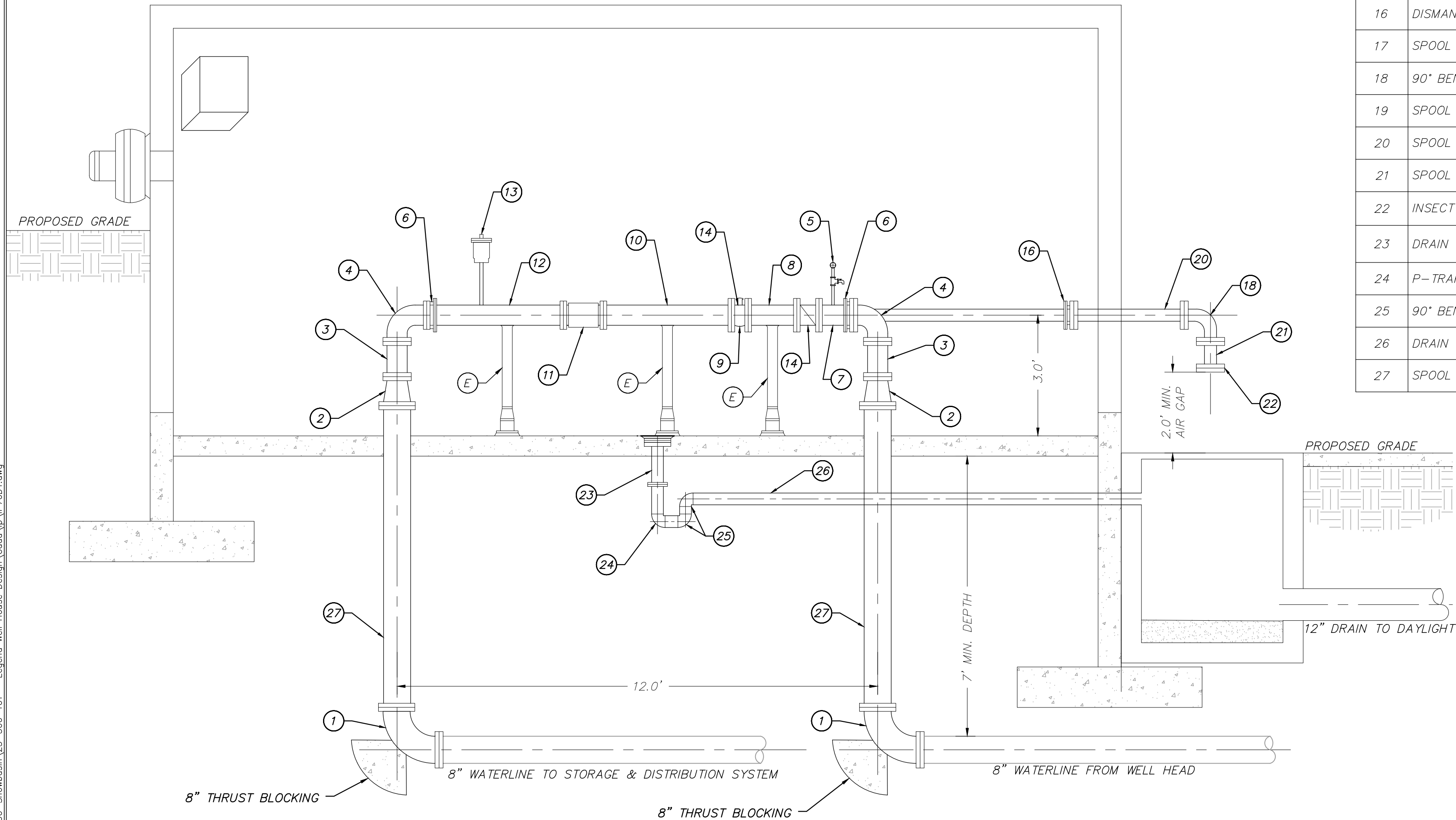
10 OF 14



NOTE: PROVIDE 3' MINIMUM CLEARANCE FOR WALKWAY.



WELL HOUSE PLAN & SECTION



WELL HOUSE PARTS LIST

NO.	ITEM	MAKE	SIZE	JOINT	NOTES
A	FLOOR DRAIN	ZURN	4"		SEE DETAIL A SHEET C700
B	WALL MOUNTED UNIT HEATER 10,239 BTU/HOUR	KING			SEE DETAIL C SHEET C700
C	LOUVER	RUSKIN	24" X 24"		SEE DETAIL B SHEET C700
D	EXHAUST FAN 428 CFM	FANTEC			SEE DETAIL G SHEET C700
E	PIPE SUPPORT				SEE DETAIL D SHEET C700
F	FUTURE CHLORINATION SYSTEM				
G	FIRE EXTINGUISHER				

NOTE: SEE AIRFLOW DESIGN CALCULATIONS THIS SHEET.

WELL HOUSE PIPE & APPURTENANCES PARTS LIST

NO.	ITEM	MAKE	SIZE	JOINT	LENGTH	NOTES
1	90° BEND (DIP)	TYLER	8"	FLG		
2	REDUCER (DIP)	TYLER	8" X 6"	FLG	0'-9"	
3	SPOOL (DIP)		6"	FLG	0'-11"	
4	90° BEND (DIP)	TYLER	6"	FLG		
5	PRESSURE GUAGE & SMOOTH NOSED SAMPLING TAP		1"	THD		SEE DETAIL E SHEET C700
6	DISMANTLING JOINT	TYLER	6"	FLG		
7	SPOOL (DIP)		6"	FLG	1'-5"	
8	TEE (DIP)	TYLER	6"x6"x4"	FLG		
9	ELECTRIC ACTUATED BUTTERFLY VALVE	MUELLER	6"	-		MODEL 90
10	SPOOL (DIP)		6"	FLG	3'-2"	
11	MAGNETIC FLOW METER	KROHNE	6"	FLG		OPTIFLUX 2300
12	SPOOL (DIP)		6"	FLG	2'-10"	
13	COMBINATION AIR VALVE ASSEMBLY	APCO	2"	THD		SEE DETAIL F SHEET C700
14	CHECK VALVE	MUELLER	6"	FLG		
15	ELECTRIC ACTUATED BUTTERFLY VALVE	MUELLER	4"	-		MODEL 90
16	DISMANTLING JOINT	TYLER	4"	FLG	0'-4"	
17	SPOOL (DIP)		4"	FLG	0'-11"	
18	90° BEND	TYLER	4"	FLG		
19	SPOOL (DIP)		4"	FLG	6'-8"	
20	SPOOL (DIP)		4"	FLG	2'-9"	
21	SPOOL (DIP)		4"	FLG	0'-8"	
22	INSECT SCREEN W/ FLANGE		4"	FLG		#4 MESH CORROSION-RESISTANT SCREEN W/ (2) 1/8" RING GASKETS
23	DRAIN PIPE		4"	PVC	1'-0"	
24	P-TRAP		4"	PVC		
25	90° BEND		4"	PVC		
26	DRAIN PIPE		4"	PVC	11'-0"	
27	SPOOL (DIP)		8"	FLG	VARIES	

AIR FLOW DESIGN CALCULATIONS

REQUIRED 12 AIR CHANGES (AC) PER HOUR.
VOLUME OF LEGEND WELL HOUSE IS APPROXIMATELY 2,024 CF.
REQUIRED AIR FLOW IS 405 CFM.

EXHAUST FAN

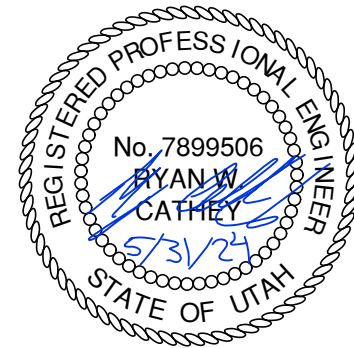
MAX AIR FLOW CFM	FAN RPM	VOLTS	PHASE	HERTZ	FANTECH MODEL
428	2,545	120	1	6	FG-8-EC

ELECTRIC HEATER

NOMINAL AIR FLOW CFM	KW	VOLTS	PHASE	AMPS	KING MODEL
520	3	208	1	15	KB2003-1-P



SNOWBASIN RESORT LEGEND WELL HOUSE DETAILS



SHEET NUMBER

C700

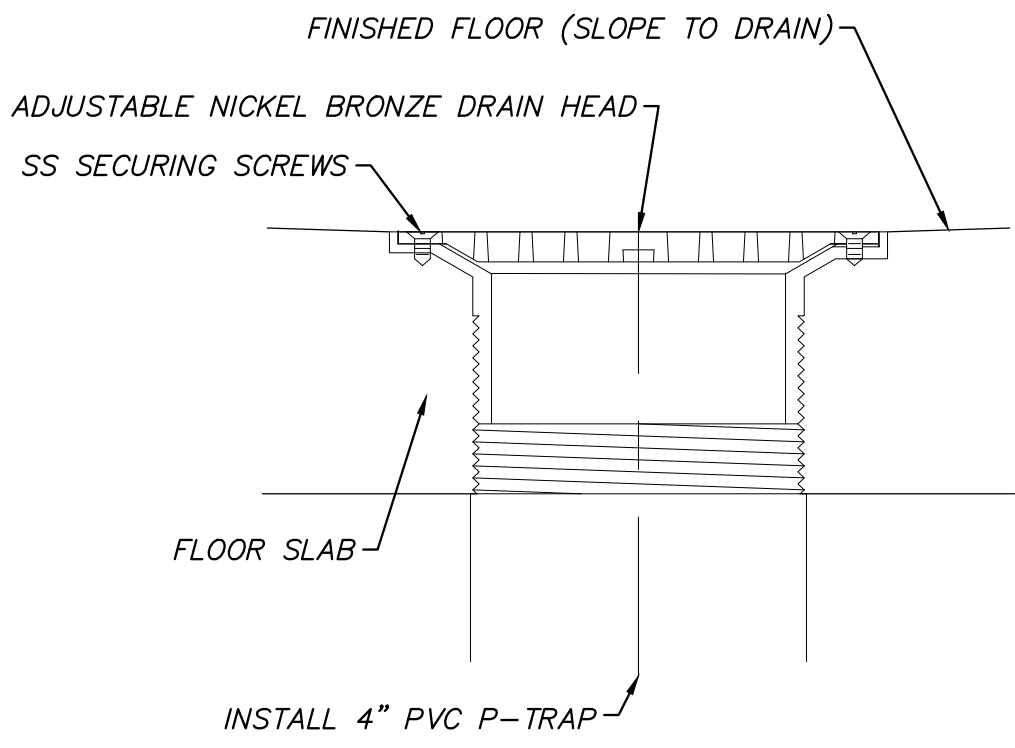
11 OF 14

DATE SUBMITTED: 06.19.2024

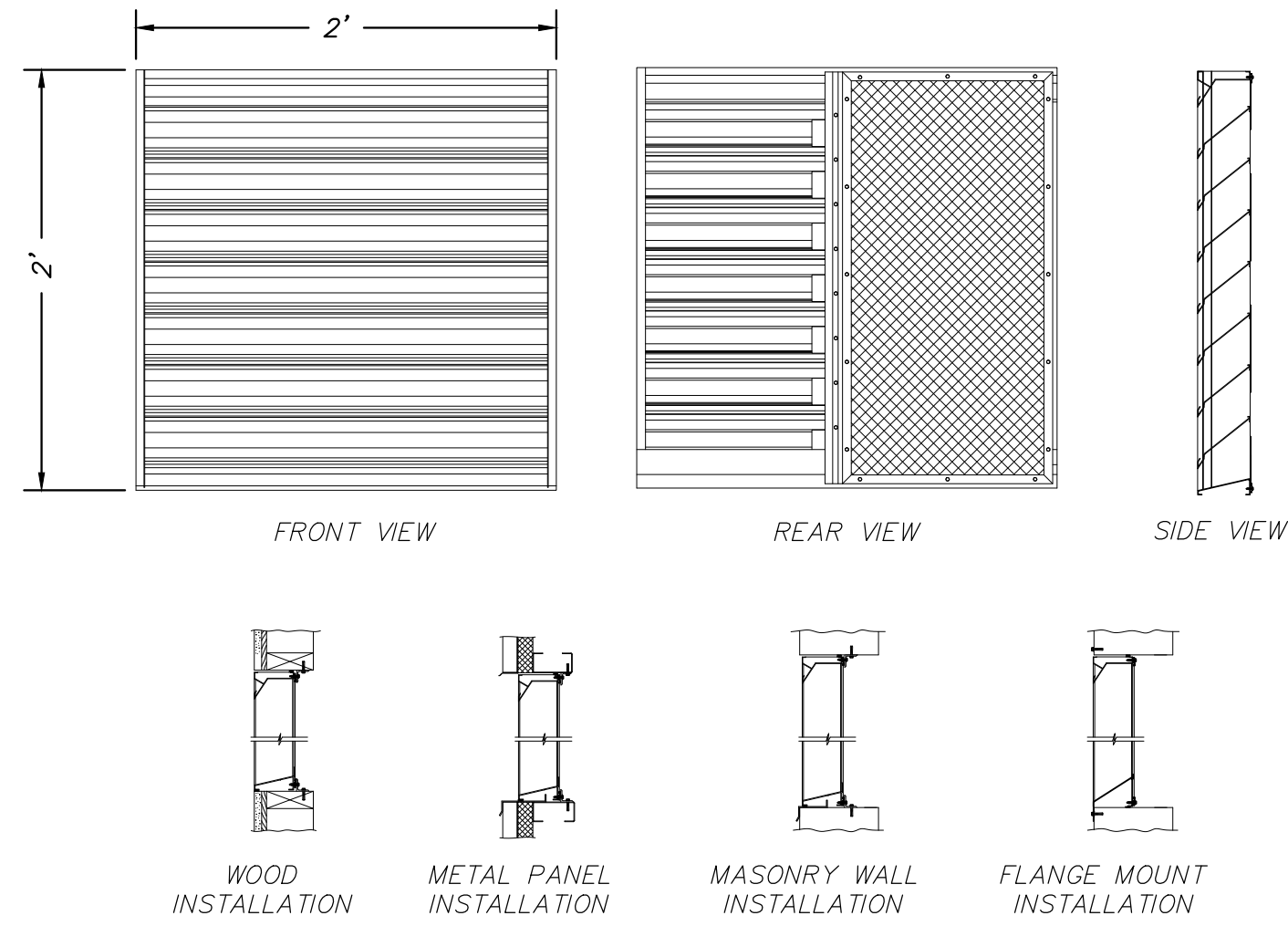
TCC JOB NUMBER: 22-310-01

DATE: 6/21/2024 9:55 AM

MAKE: ZURN
MODEL: FD2210

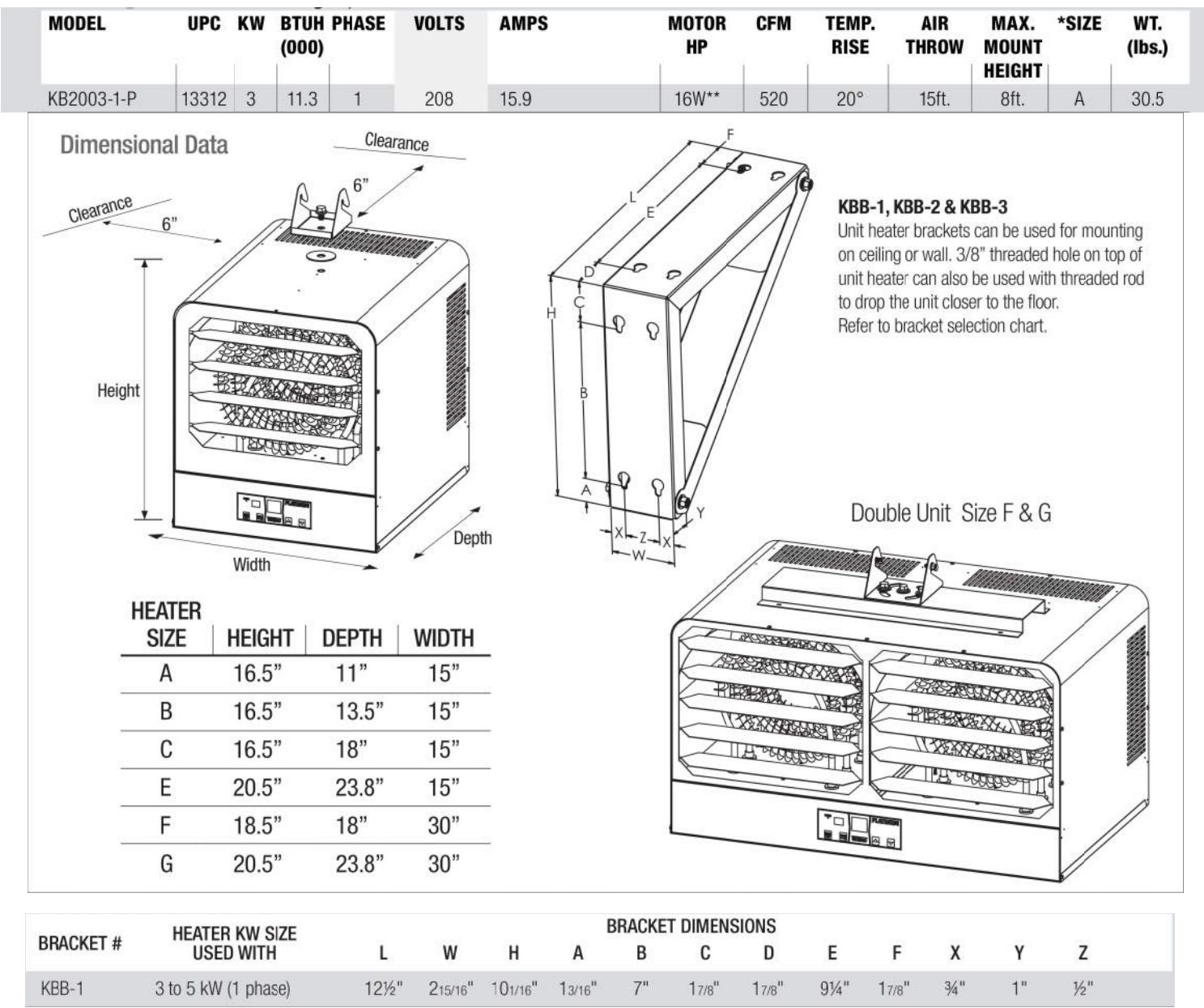


FLOOR DRAIN DETAIL
NTS

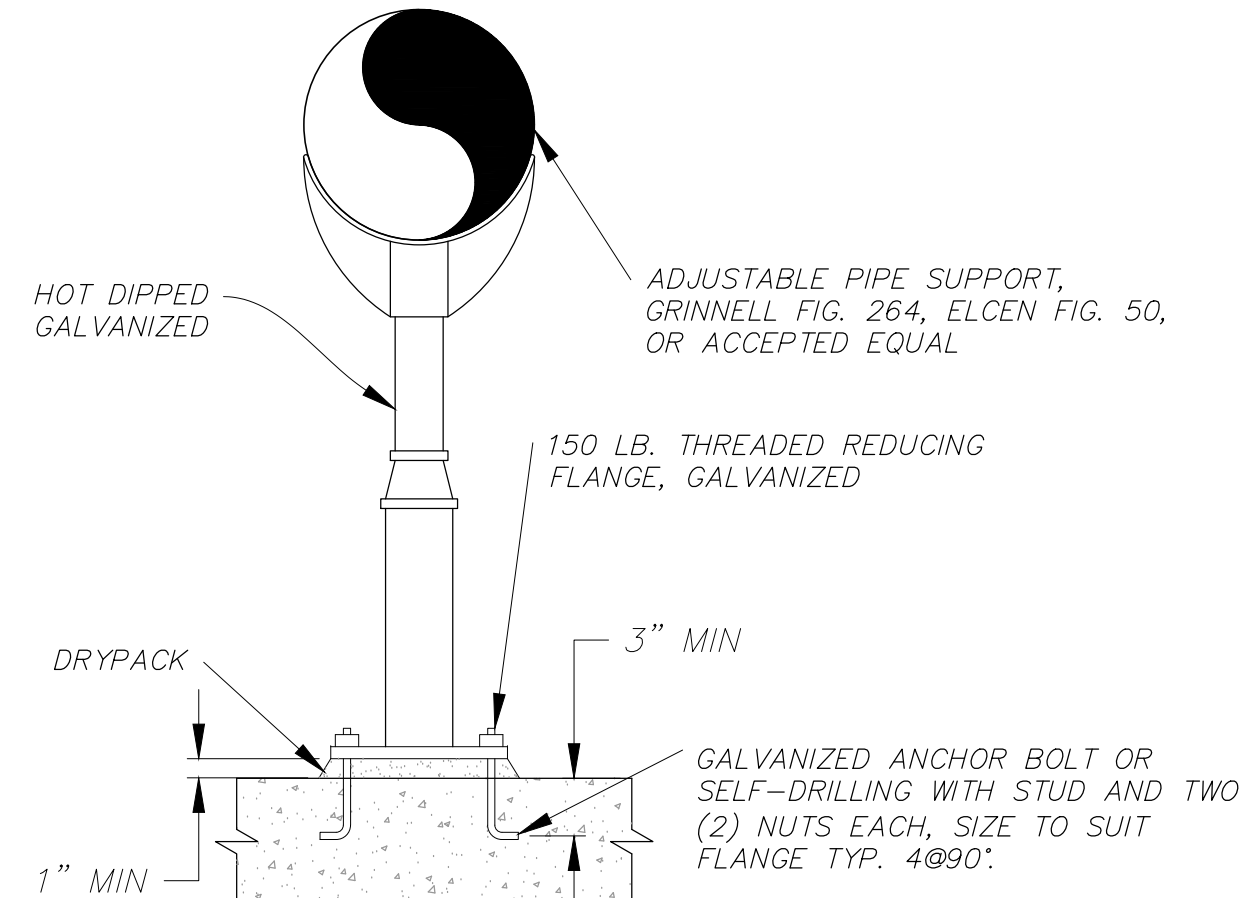


RUSKIN MODEL F6375DX

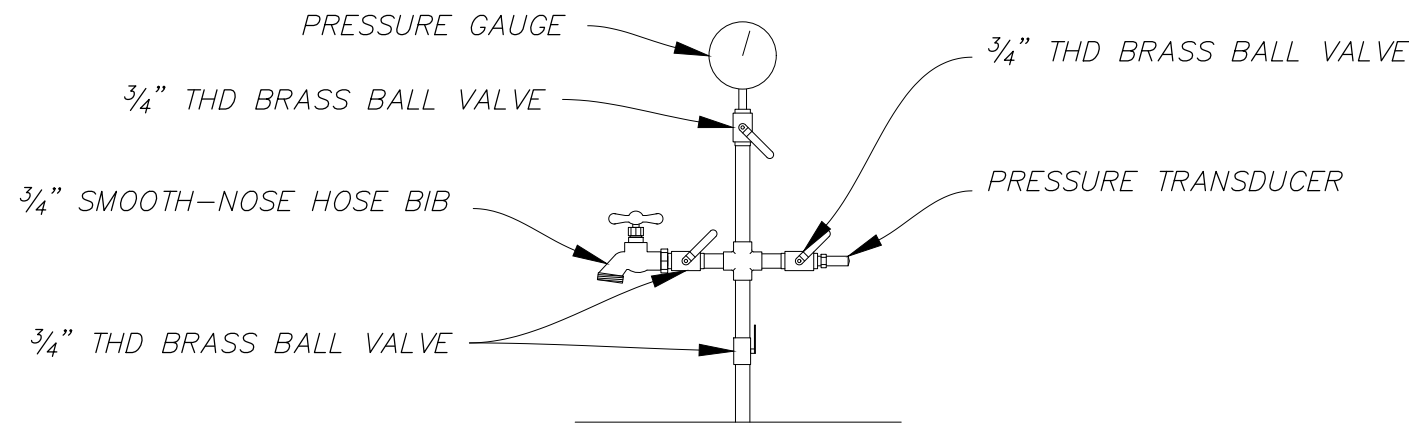
LOUVER DETAIL
NTS



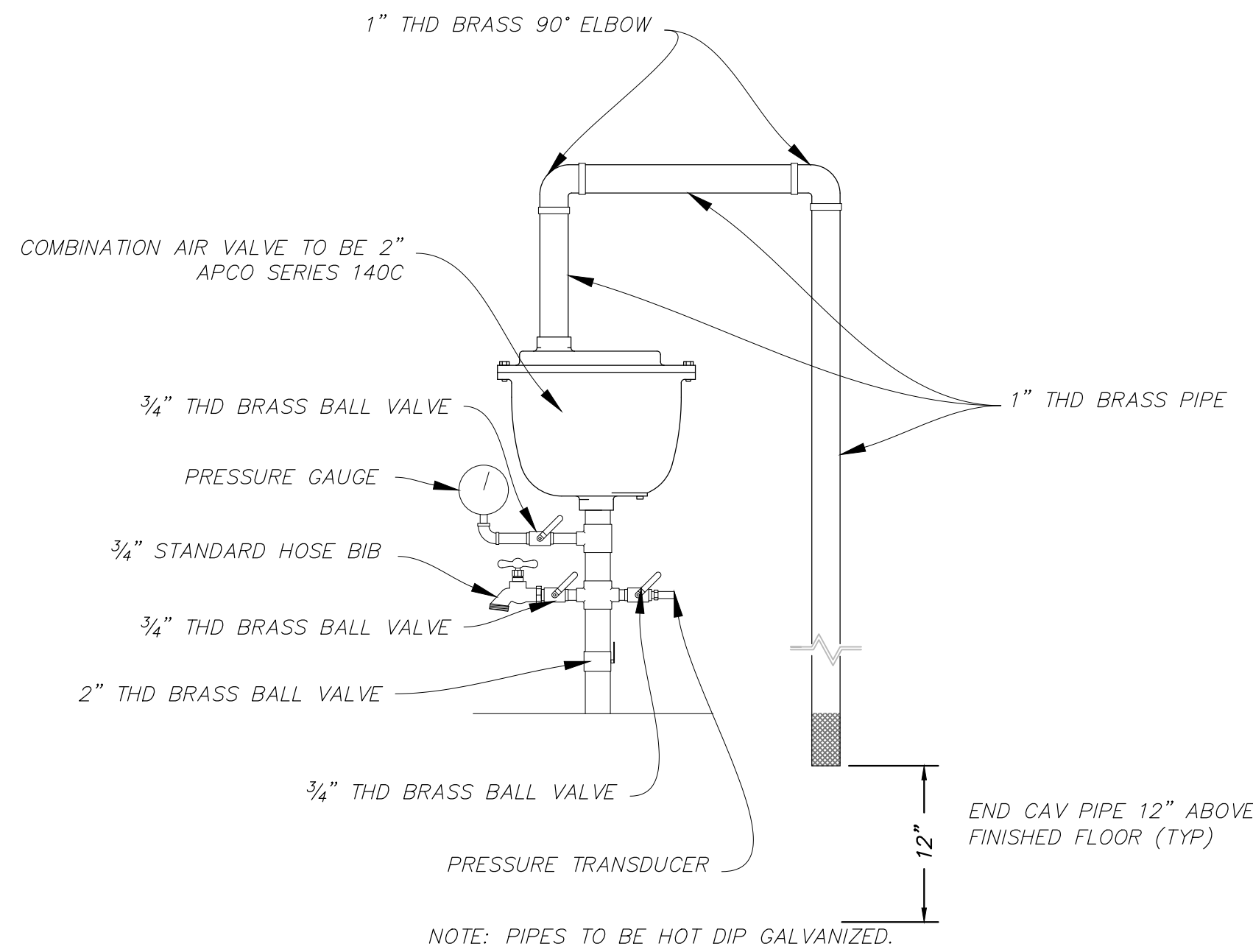
ELECTRIC HEATER DETAIL
NTS



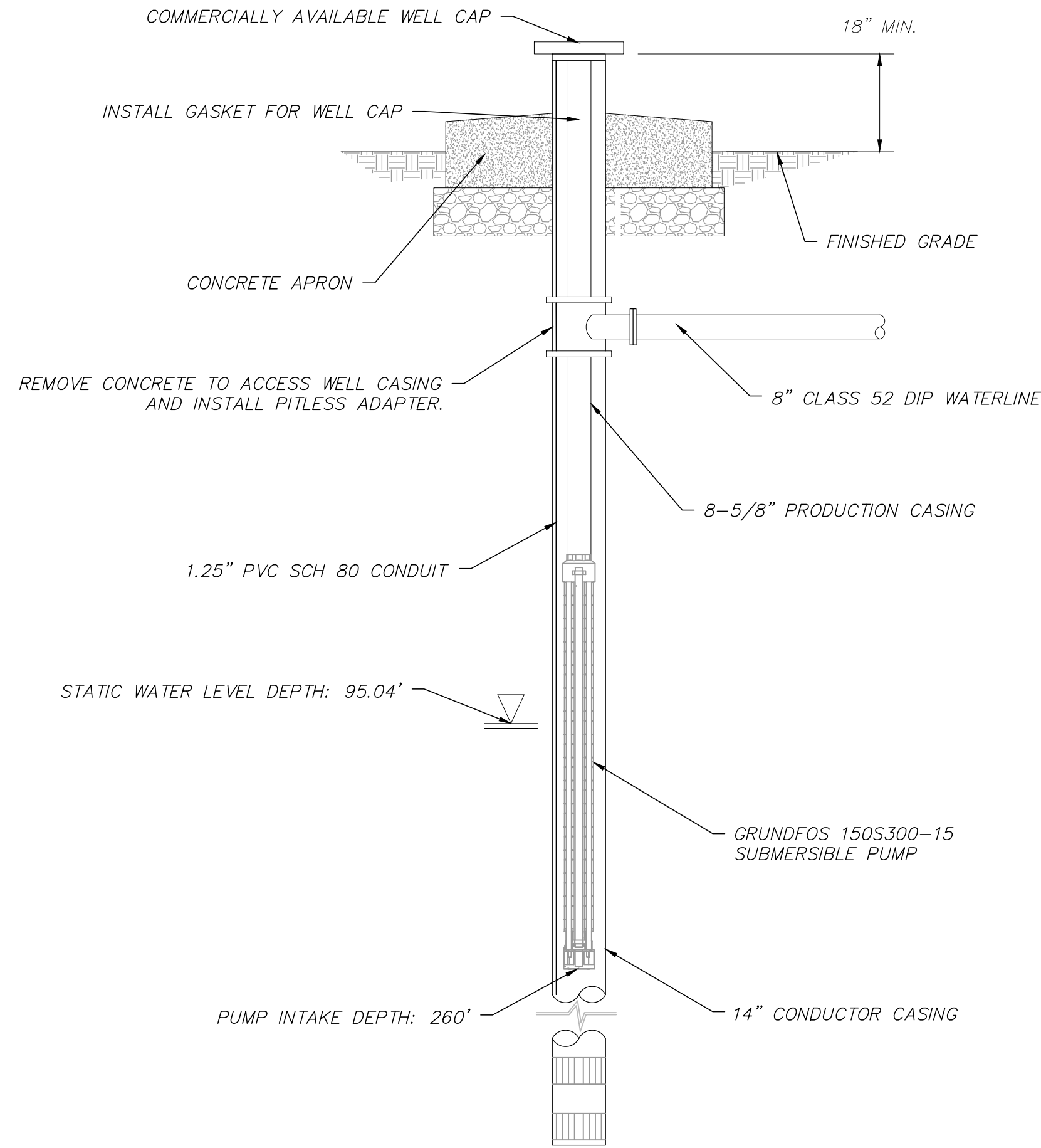
ADJUSTABLE PIPE SUPPORT DETAIL
NTS



PRESSURE GUAGE & SAMPLING TAP DETAIL
NTS



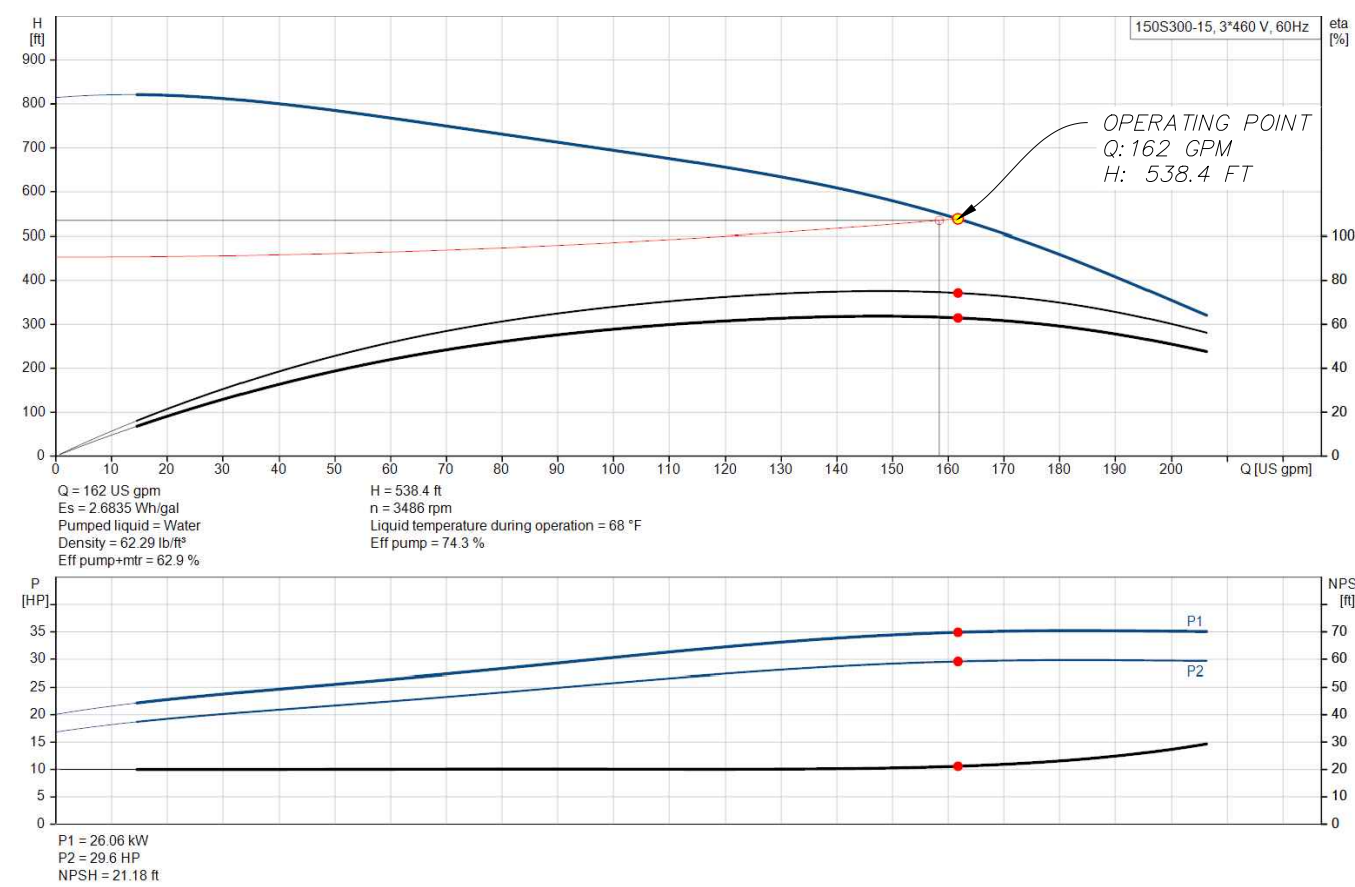
COMBINATION AIR VALVE ASSEMBLY DETAIL
NTS



WELL PUMP & PITLESS ADAPTER DETAIL
NTS

GENERAL NOTES:

- SUBMERSIBLE PUMPS: ELECTRICAL CABLE FIRMLY ATTACHED TO RISER PIPE AT MIN. OF 20' INTERVALS.
- RESTORE SURFACE SEAL INTEGRITY IF EXCAVATION FOR PITLESS UNIT COMPROMISES SURFACE SEAL.
- TORCH-CUT HOLES IN CASING ALONG NEAT LINES CLOSELY FOLLOWING OUTLINE OF PITLESS ADAPTER.
- TORCH-CUT HOLES COMPLETELY FILLED WITH COMPETENT WELD WITH BURRS AND FINIS REMOVED PRIOR TO INSTALLATION OF PITLESS UNIT/ADAPTER.
- BELOW GROUND CONNECTION NOT SUBMERGED IN WATER DURING INSTALLATION.
- UNIT/ADAPTER TERMINATES AT THE HIGHER OF A MIN. OF 18" ABOVE FINAL GROUND ELEVATION OR 3' ABOVE HIGHEST KNOWN FLOOD ELEVATION.
- HAVE A LABEL OR CERTIFICATION INDICATING COMPLIANCE WITH WATER SYSTEMS COUNCIL PITLESS ADAPTER STANDARD (PAS-97).
- HAVE SUITABLE ACCESS TO INTERIOR OF CASING TO DISINFECT THE WELL.
- SUITABLE SANITARY SEAL/COVER AT CASING UPPER TERMINAL PREVENTS ENTRANCE OF FLUIDS/CONTAMINATION, ESP. AT ELECTRICAL CABLE CONNECTION.
- HAVE ACCESS TO MEASURE STATIC AND PUMPED WATER LEVELS IN WELL.
- ALLOW A MIN. OF ONE CHECK VALVE WITHIN THE WELL CASING.
- HAVE LOCKABLE COVER OR OTHERWISE BE PROTECTED FROM VANDALS OR SABOTAGE.
- SHOP-FABRICATED FROM POINT OF CONNECTION WITH WELL CASING TO UNIT CAP OR COVER.
- BE WATERTIGHT.
- CONSTRUCTED OF MATERIALS AT LEAST EQUIVALENT TO THE CASING WITH COMPATIBLE WALL THICKNESS.
- HAVE THREADED, FLANGED, OR MECHANICAL FIELD CONNECTION JOINT TO THE LATERAL DISCHARGE FROM THE PITLESS UNIT.
- BE THREADED OR WELDED TO THE CASING (ONLY FIELD WELDING ON THE PITLESS UNIT ALLOWED IS THE CONNECTION TO THE CASING).
- HAVE INSIDE DIAMETER AS GREAT AS THAT OF THE WELL CASING ($\leq 12"$).



WELL PUMP PERFORMANCE CURVES
NTS

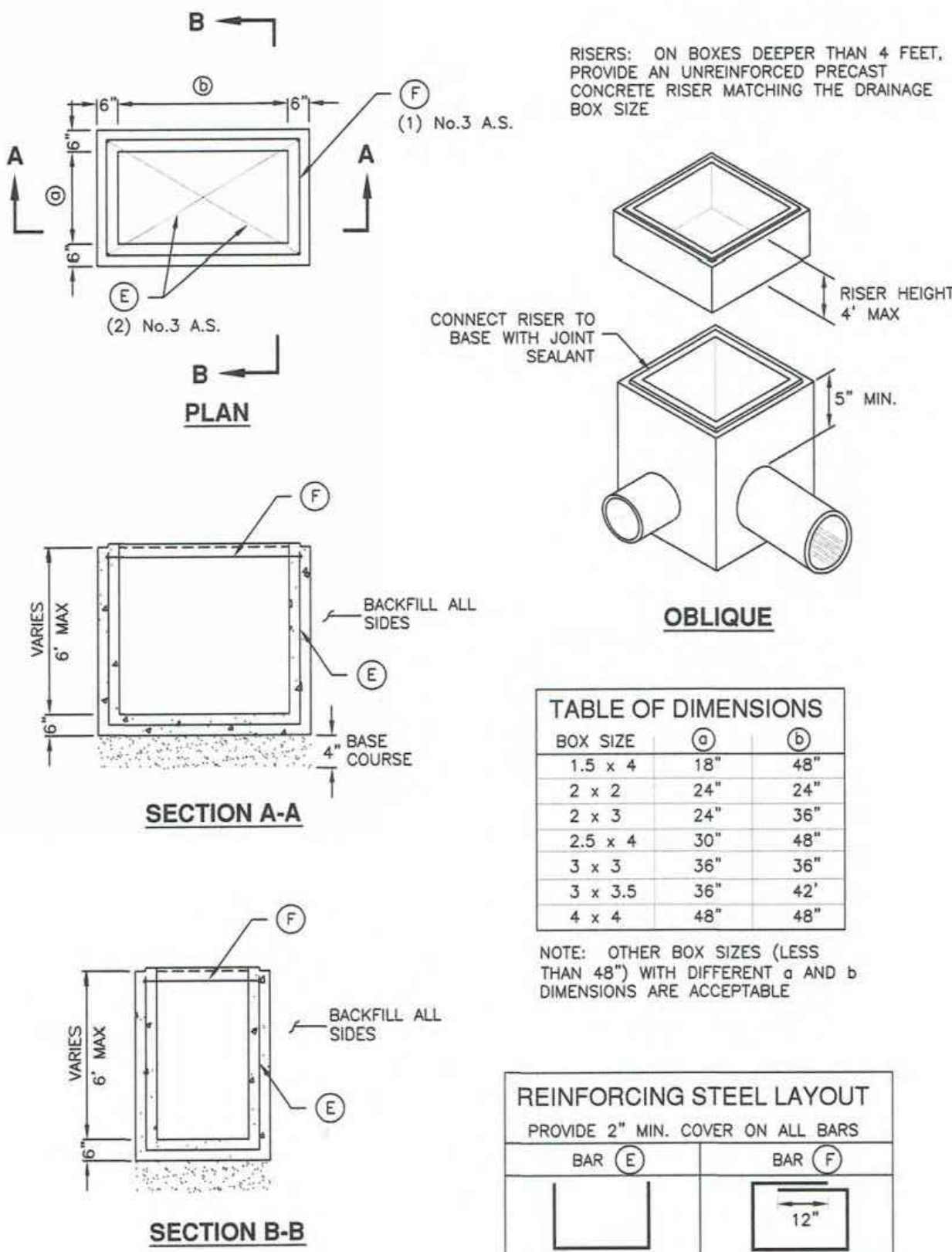
Airflow @ 0.000 in SP	Duct Diameter	Motor Output Power	Motor IP Rating	Nameplate Voltage	Phase	No. of Speeds	Overall Height	Overall Width	Overall Dia.	Brand	Mfr. Model	Item No.
363 cfm	6 in	74 W	IP44	120V AC	1	1	15 1/2 in	8 in	13 1/2 in	Fantech	FG 6M EC	22N753
428 cfm	8 in	71 W	IP44	120V AC	1	1	15 1/2 in	8 in	13 1/2 in	Fantech	FG 8 EC	22N754
513 cfm	10 in	93 W	IP44	120V AC	1	1	15 1/2 in	9 1/2 in	13 1/2 in	Fantech	FG 10 EC	22N755
805 cfm	12 in	166 W	IP44	120V AC	1	1	18 in	8 in	16 in	Fantech	FG 12XL EC	22N757

EXAUHST FAN DETAIL
NTS

Precast box

- GENERAL**
 - The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the box.
 - This drawing is acceptable where the water table elevation is less than 3 feet above the floor of the box. If elevation of water table is higher, engineering calculations and drawings must be submitted to and approved by the ENGINEER.
 - Submit bar design detail for ENGINEER's review.
- PRODUCTS**
 - Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - Precast Concrete: Class 4000 precast, APWA Section 03 40 00.
 - Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A615. Coated steel is not required for small drainage structures shown on this drawing.
 - Frame and Cover (or Grate): Use the appropriate unit indicated in the Contract Documents.
 - Joint Sealant: Rubber-based, compressible.
- EXECUTION**
 - Concrete Placement: Provide 2-inches of concrete cover over reinforcing steel.
 - Lifting Points: Provide at least 2 lifting points per section that avoid interference with the reinforcing steel and that are designed according to PCI (Prestressed Concrete Institute) design handbook. Lift only from the engineered lifting points.
 - Depth: Drainage boxes and riser combinations that exceed 8-feet from finished grade to the bottom of the box requires ENGINEER's approval. Submit design calculations and shop drawings.
 - Core Holes:
 - Provide core holes that are at least 4" larger than attaching outer pipe diameter. Cut core holes at the manufacturing plant unless ENGINEER permits field core holes.
 - Center core holes to leave 2" of concrete measured horizontally from inside wall of the box to core hole. Locate core hole vertically so bottom of core hole will be at or above floor elevation with at least 5-inches of concrete directly above the core hole to the top of the box.
 - Deviations from core hole tolerances require shop drawings. Shop drawings will identify lifting point number and location.
 - Precast Top: Design precast top for AASHTO HL-93 live loads and submit rebar detail and stamped design drawings to ENGINEER. Show connection detail for frame and grate or cover.

332



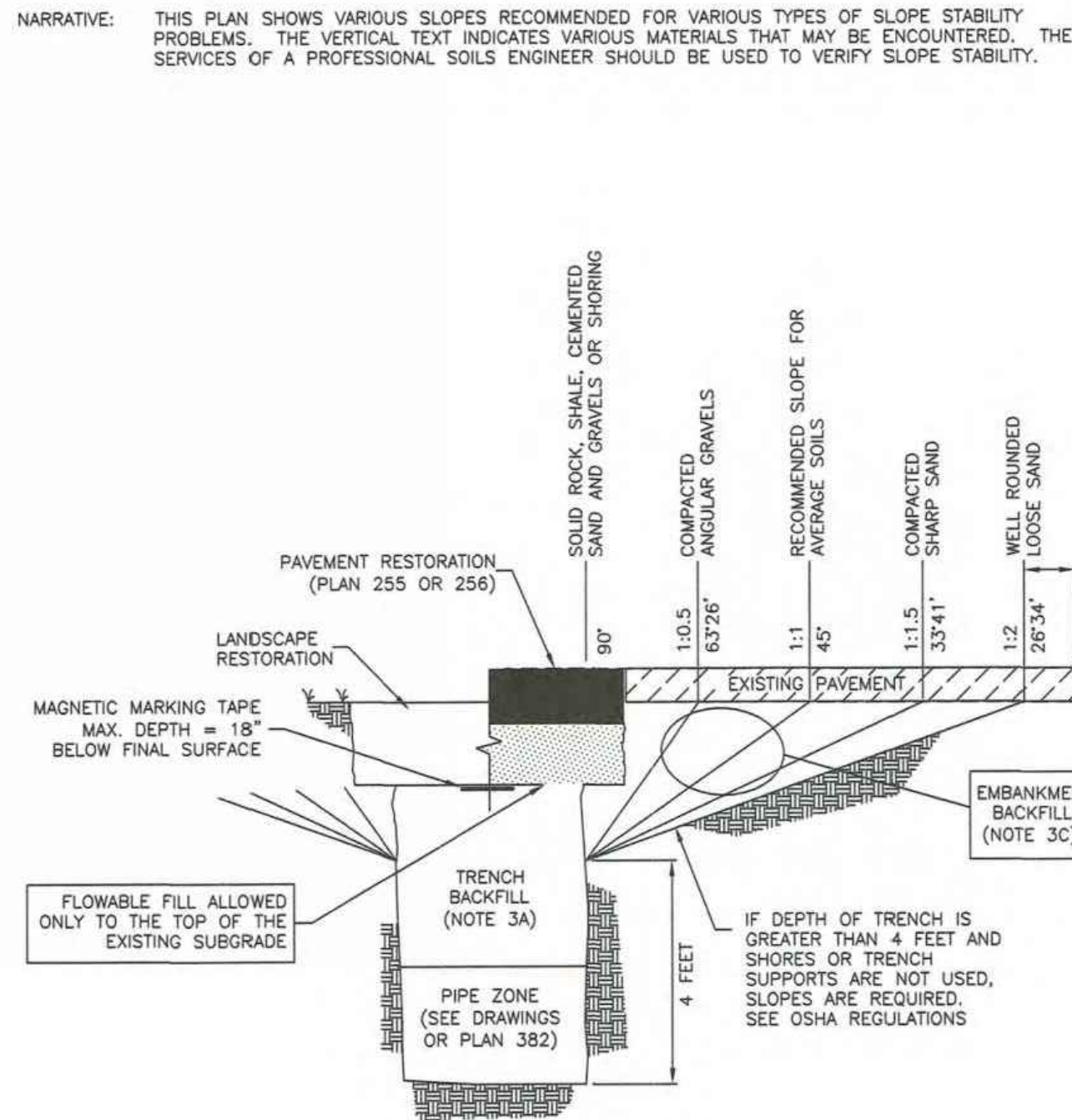
Precast box

Plan
332
June 2010

Trench backfill

- GENERAL**
 - The drawing applies to backfilling a trench (and embankment) above the pipe zone.
- PRODUCTS**
 - Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 3-inches.
 - Flowable Fill: APWA Section 31 05 15. Target is 60 psi in 28 days with 90 psi maximum in 28 days. It must flow easily requiring no vibration for consolidation.
- EXECUTION**
 - Trench Backfill Above the Pipe Zone: Follow requirement indicated in APWA Section 33 05 20 and the following provisions. See Standard Plan 382 for backfilling the pipe zone.
 - DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate as trench backfill.
 - Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.
 - Water jetting is NOT allowed.
 - Flowable Fill: If controlled low strength material is placed in the trench. Cure the material before placing surface restorations.
 - Embankment Backfill: When trench sides are sloped proceed as follows.
 - Maximum lift thickness is 8-inches before compaction.
 - Compact per APWA Section 31 23 26 to 95 percent or greater relative to a standard proctor density.
 - Submission of quality control compaction test result data may be requested by ENGINEER at any time. Provide results of tests immediately upon request.
 - Surface Restoration:
 - Landscape Surface: Follow APWA Section 32 92 00 (turf or grass) or APWA Section 32 93 13 (ground cover) requirements. Rake to match existing grade. Replace vegetation to match pre-construction conditions.
 - Paved Surface: Follow APWA Section 33 05 25 (concrete pavement surfacing). Do not install surfacing until compaction density is acceptable to ENGINEER.

381



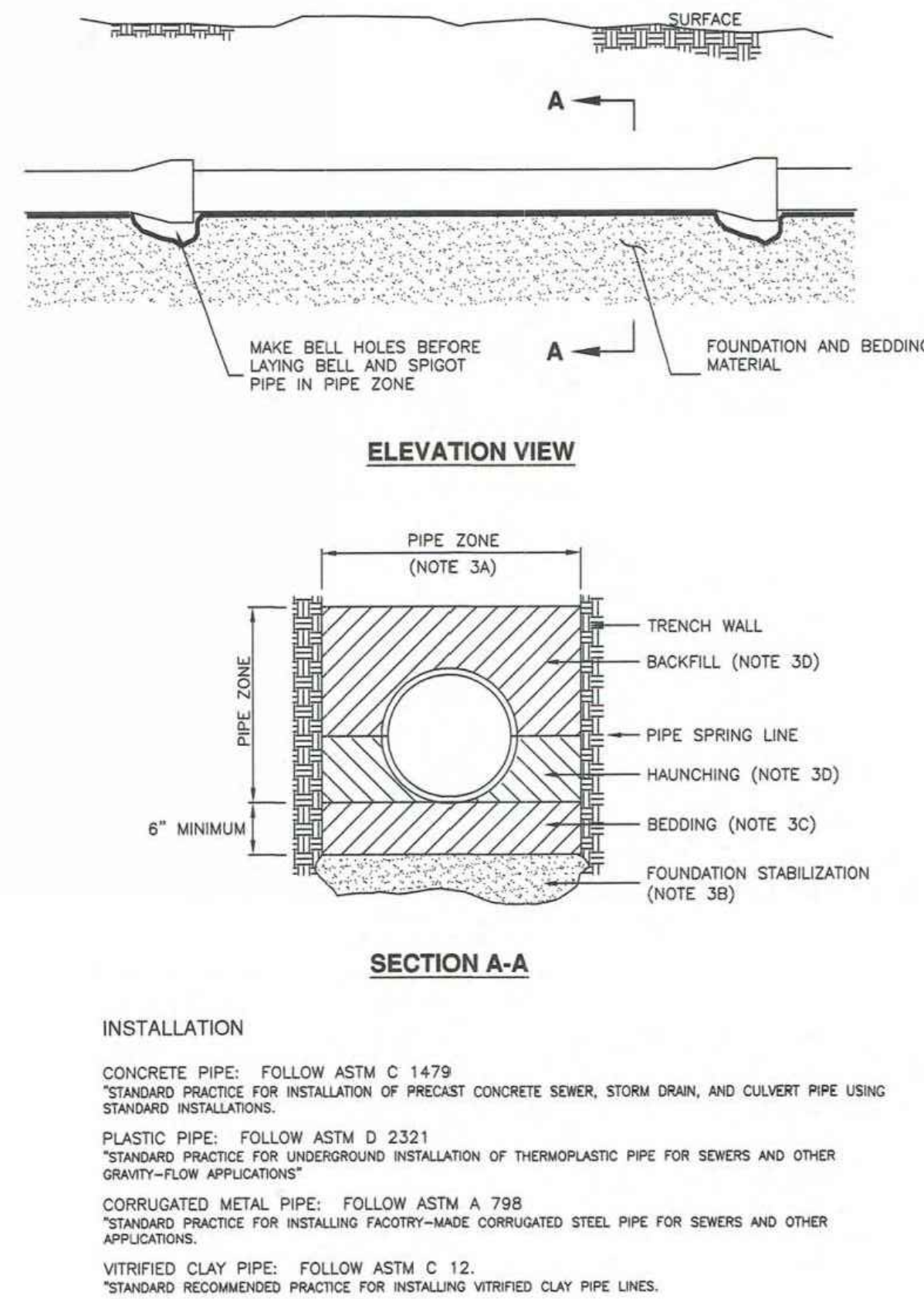
Trench backfill

Plan
381
July 2016

Pipe zone backfill

- GENERAL**
 - Install the pipe in the center of the trench or no closer than 6-inches from the wall of the pipe to the wall of the trench.
- PRODUCTS**
 - Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - Concrete: APWA Section 03 30 04.
 - Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA Section 31 05 15. It must flow easily requiring no vibration for consolidation.
 - Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.
- EXECUTION**
 - Excavate the Pipe Zone: Width is measured at the pipe spring line and includes any necessary sheathing. Provide width recommended by pipe manufacturer. Follow manufacturer's recommendations when using trench boxes.
 - Foundation Stabilization: Get ENGINEER's permission before installing common fill. Vibrate to stabilize. Installation of stabilization-separation geotextile will be required to separate backfill material and native subgrade materials if common fill cannot provide a working surface or prevent soils migration.
 - Bedding: Follow APWA Section 33 05 20 requirements and the following provisions.
 - Furnish untreated base course material unless specified otherwise by pipe manufacturer.
 - Maximum lift thickness is 8-inches.
 - Bedding immediately under the pipe should not be compacted, but loosely placed.
 - Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
 - When using concrete, provide at least Class 2,000, APWA Section 03 30 04.
 - Pipe Zone: DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate in the pipe zone. Water jetting is NOT allowed.
 - Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26 unless pipe manufacturer requires more stringent installation.
 - Submission of quality control compaction test result data developed for the haunch zone may be requested by ENGINEER at any time. CONTRACTOR is to provide results of tests immediately upon request.
 - Flowable Fill (when required and if allowed by pipe manufacturer):
 - Place the controlled low strength material, APWA Section 31 05 15.
 - Prevent pipe flotation by installing in lifts and providing pipe restraints as required by pipe manufacturer.
 - Reset pipe to line and grade if pipe "floats" out of position.

382



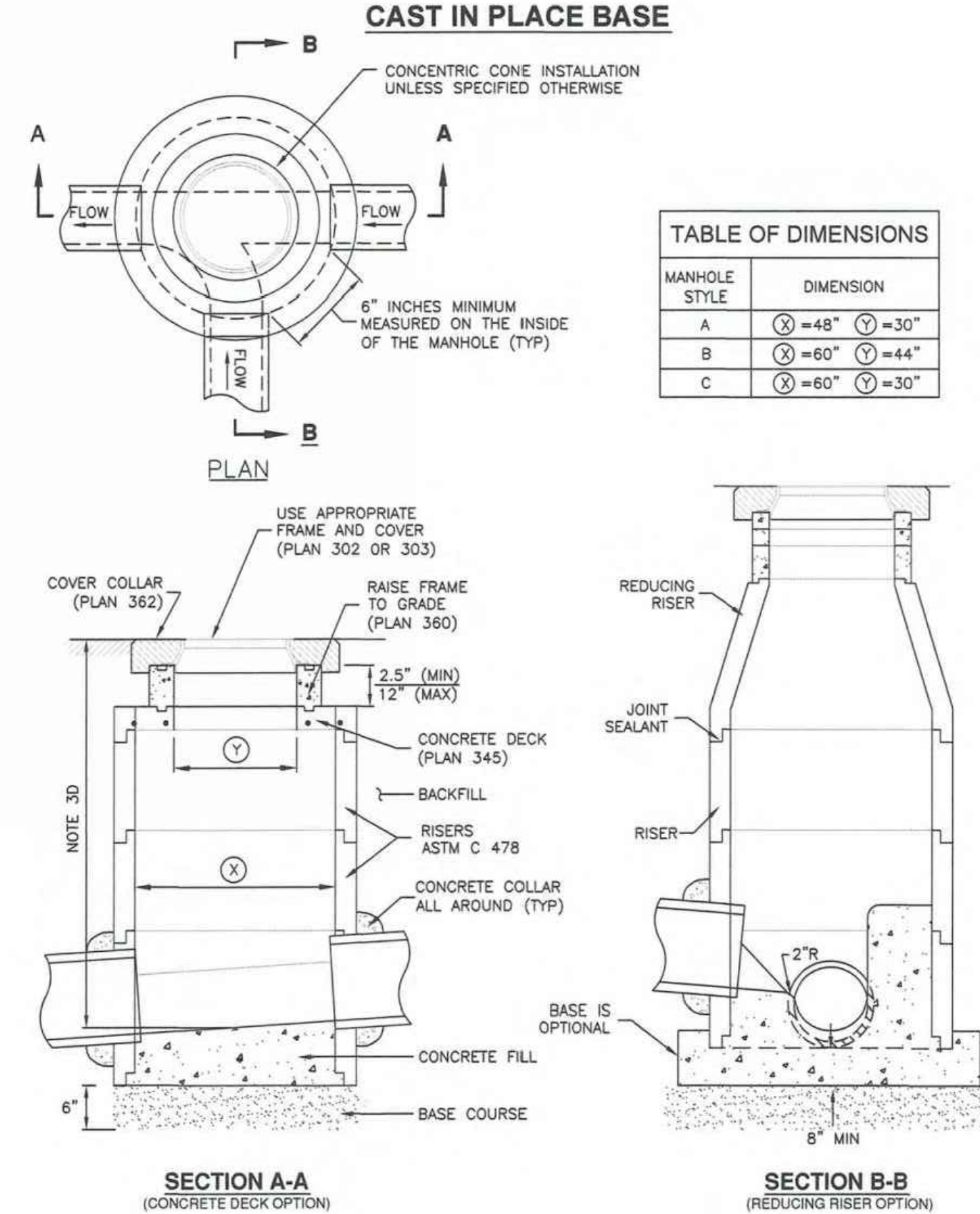
Pipe zone backfill

Plan
382
January 2011

Precast manhole

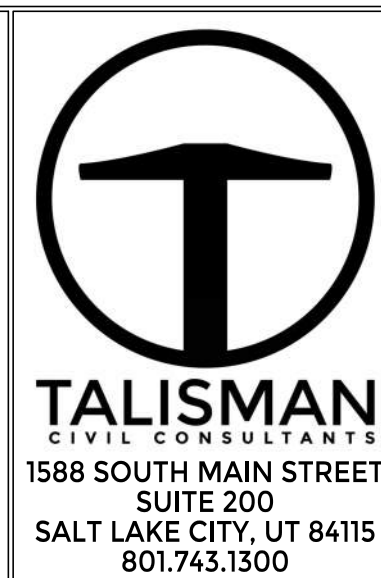
- GENERAL**
 - The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the manhole.
 - Manhole size.
 - Diameter is 4-feet: For pipe under 12" diameter.
 - Diameter is 5-feet: For pipe 12" and larger, or when 3 or more drain pipes intersect the manhole.
 - Wall thickness:
 - Precast reinforced concrete walls 4 3/4" minimum.
 - Cast-in-place concrete to be 8 inches thick minimum.
- PRODUCTS**
 - Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - Concrete: Class 4000, APWA Section 03 30 04.
 - Riser and Reducing Riser: ASTM C478.
 - Joint Sealant: Rubber based, compressible.
 - Grout: 2 parts sand to 1 part cement mortar, ASTM C1329.
 - Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.
- EXECUTION**
 - Foundation Stabilization: Get ENGINEER's permission to use a sewer rock or a sewer rock in a geotextile wrap to stabilize an unstable foundation.
 - Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
 - Invert cover. During construction, place invert covers over the top of pipe in manholes that currently convey sewerage. See Plan 412.
 - Concrete Deck or Reducing Riser: When depth of manhole from pipe invert to finish grade exceeds 7 feet, use an ASTM C478 reducing riser.
 - Pipe Connections: Grout around all pipe openings.
 - Pipe Seal: Install rubber-based pipe seals on all plastic pipes when connecting plastic pipes to manholes. Hold water-stop in place with stainless steel bands.
 - Joints: Place flexible sealant in all riser joints. Finish with grout.
 - Adjustment: If the required manhole adjustment is more than 1'-0", remove the cone and grade rings and adjust the manhole elevation with the appropriate manhole section, the cone section, and the grade rings or plastic form to make frame and lid match finish grade.
 - Finish: Provide smooth and neat finishes on interior of cones, shafts, and rings. Imperfect moldings or honeycombs will not be accepted.
 - Backfill: Provide backfill against the manhole shaft. Pea gravel and recycled RAP aggregate is NOT ALLOWED. Water jetting is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.

341.1



Precast manhole

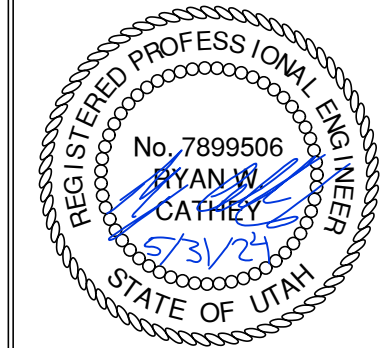
Plan
341.1
November 2010



SNOWBASIN RESORT
LEGEND WELL HOUSE
DETAILS

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01



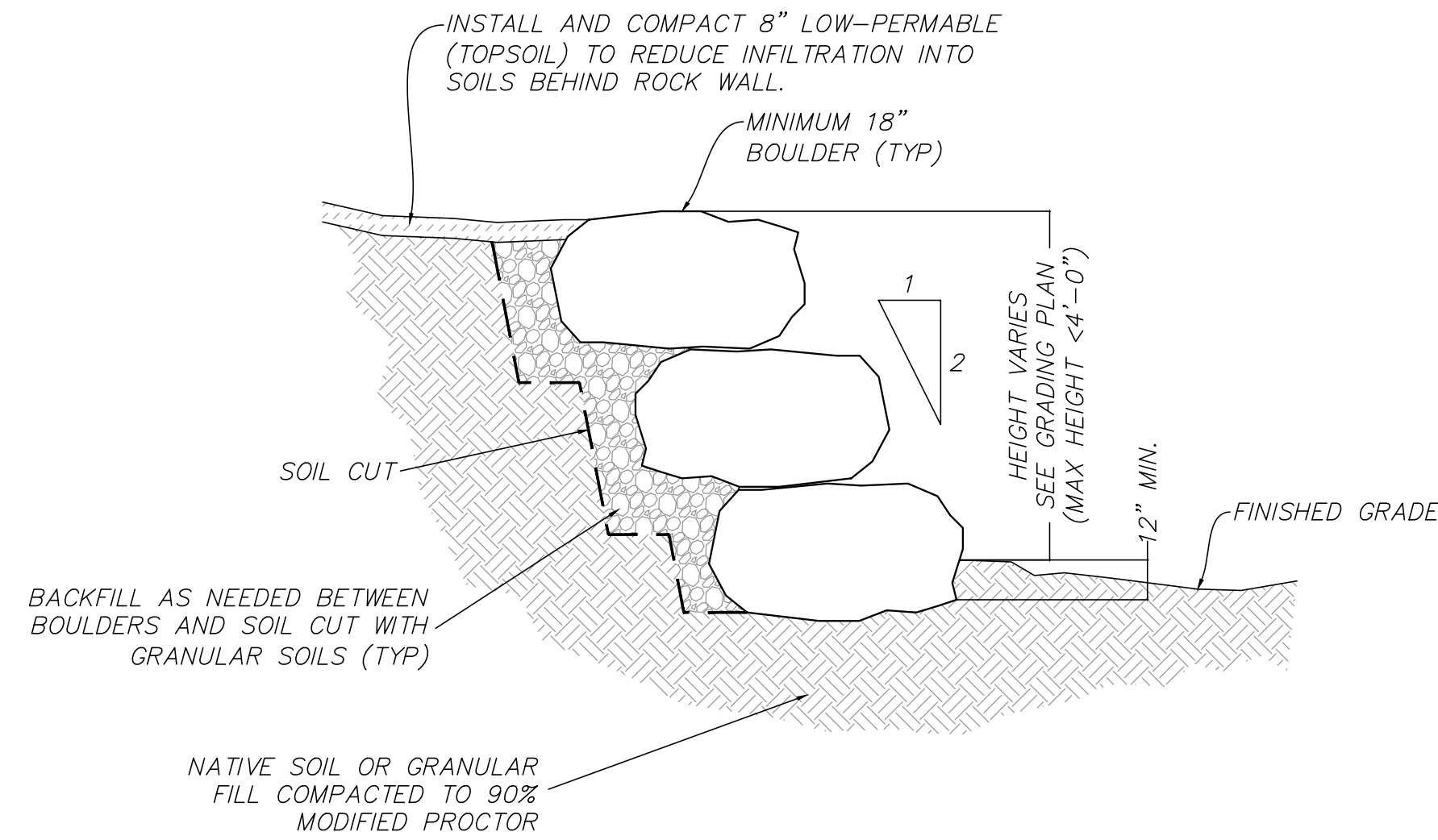
SHEET NUMBER
C702
13 OF 14

DATE: 6/21/2024 9:56 AM

PATH: N:\19-300-Snowbasin\23-300-101 - Legend Well House Design\Cadd\lp\P7001.dwg

- Pipe outfall**
- GENERAL**
 - Round concrete pipe application.
 - Additional requirements are specified in APWA Section 33 05 02.
 - PRODUCTS**
 - Use the same quality of precast end section as the pipe.
 - Use the joint material and connection that is the same as the joints in the pipeline.
 - EXECUTION**
 - General dimensions and geometric shapes may vary from manufacturer to manufacturer.
 - Steel reinforcement is not required in the concrete end section shown.
 - Provide joint restraint connectors if required by ENGINEER.

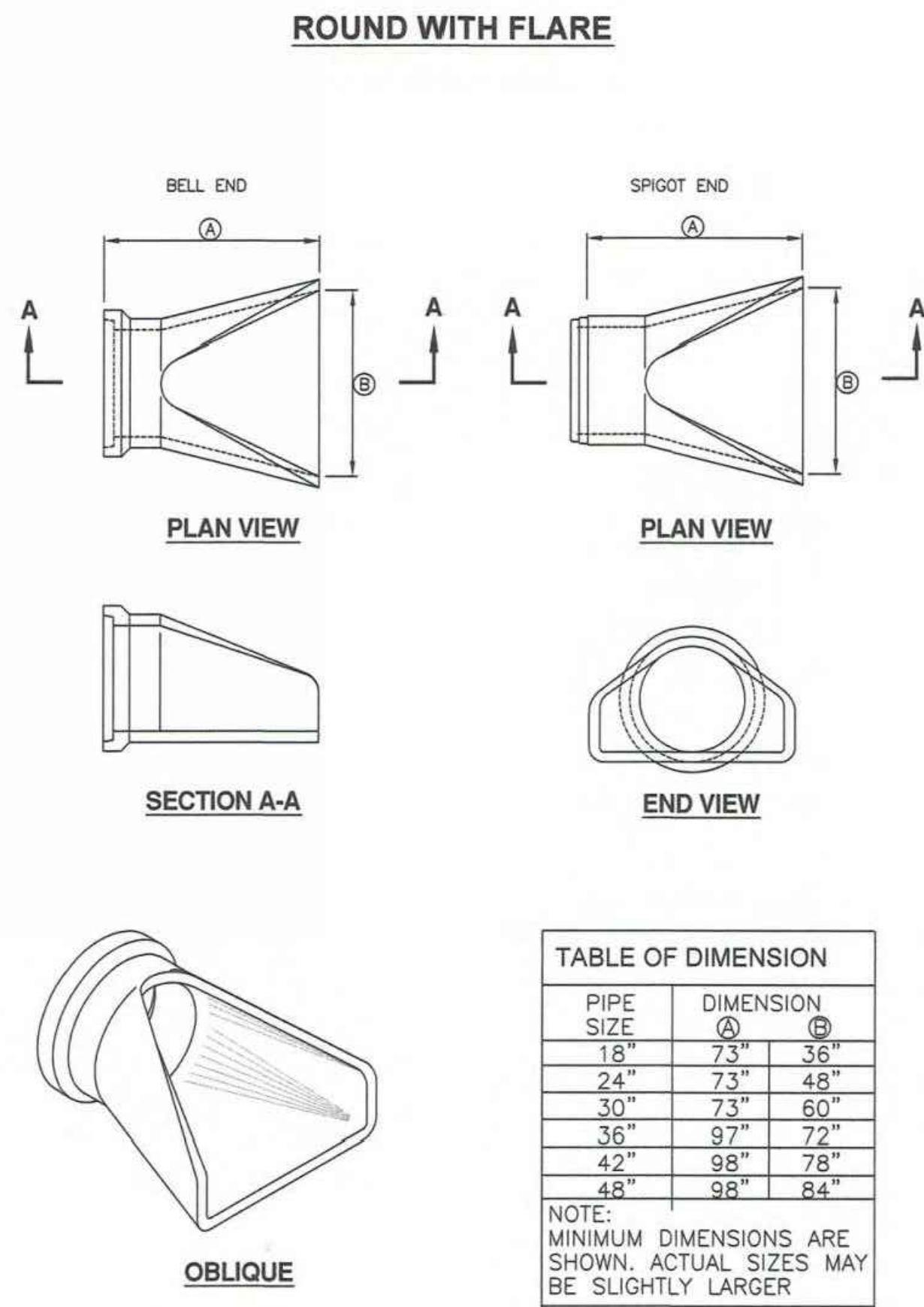
- Direct bearing thrust block**
- GENERAL**
 - Thrust design for pipe sizes or configurations not shown require special design.
 - Bearing areas, volumes, and special thrust blocking details shown on Drawings take precedence over this plan.
 - Restraint sizing is based upon a maximum operating pressure of 150 psi and a test pressure of 200 psi, and a minimum soil bearing strength of 2,000 psf. Operating pressures in excess of 150 psi or soils with less than 2,000 pound bearing strength will require special design.
 - Before backfilling around thrust block, secure inspection of installation by ENGINEER.
 - PRODUCTS**
 - Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - Thrust Blocks: Concrete Class 4000, APWA Section 03 30 04.
 - Grease: Non-oxide poly-FM.
 - EXECUTION**
 - Pour concrete against undisturbed soil.
 - Pipe Joints: Do not cover with concrete. Leave completely accessible.
 - Grease: Apply grease to all buried metal surfaces. Wrap with polyethylene sheet and tape wrap.
 - Locking restraint devices may be used in conjunction with concrete thrust blocking (at discretion of ENGINEER).
 - Base Course and Backfill Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.



3

NTS
ROCKERY WALL DETAIL

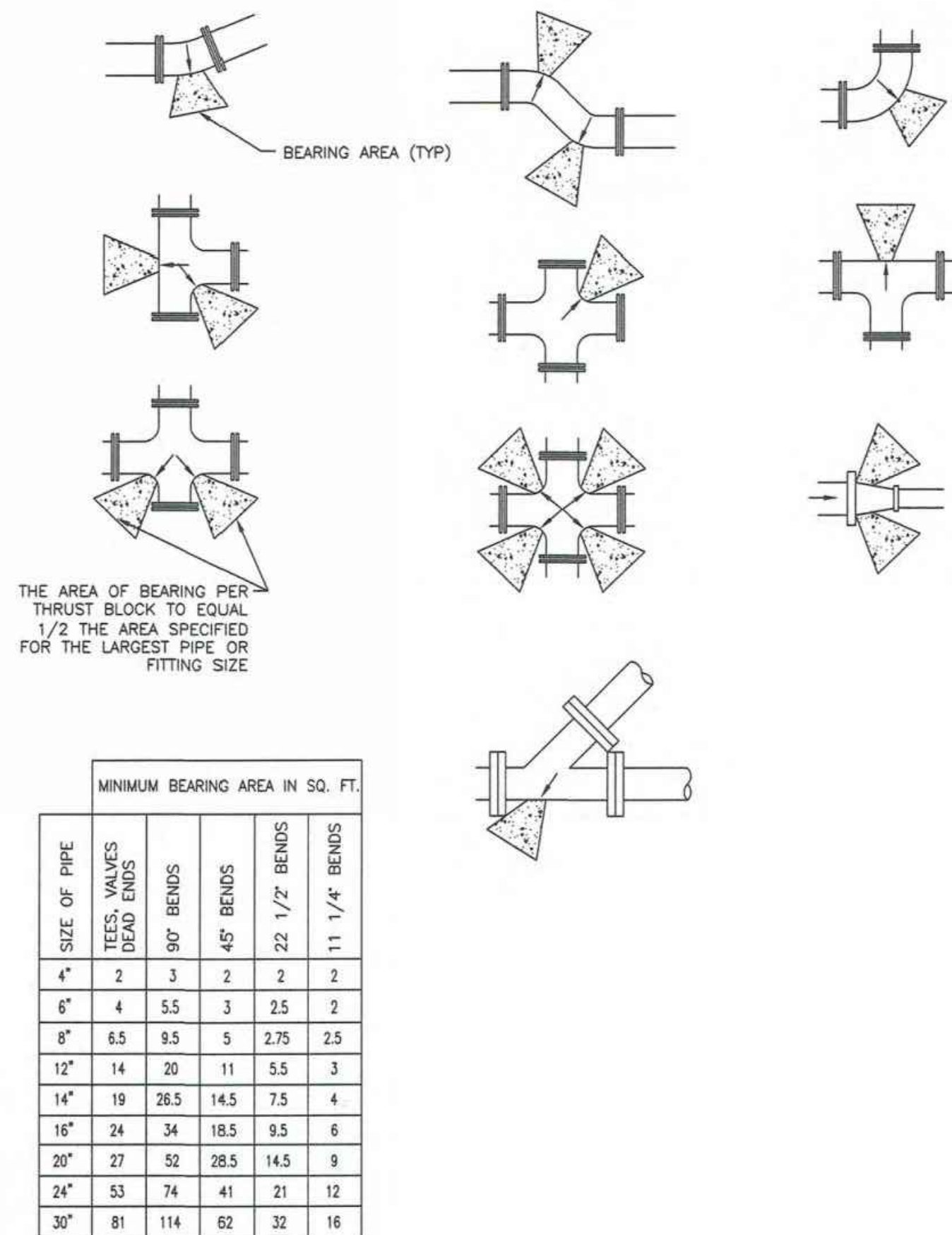
323.1



Pipe outfall

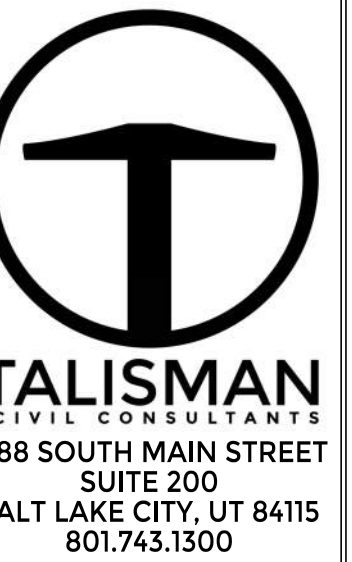
Plan
323.1
November 2010

561



Direct bearing thrust block

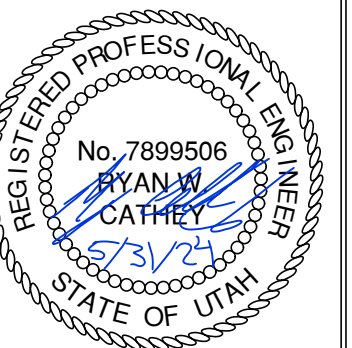
Plan
561
August 2010



SNOWBASIN RESORT
LEGEND WELL HOUSE
DETAILS

DATE SUBMITTED: 06.19.2024

TCC JOB NUMBER: 22-310-01



SHEET NUMBER

C703

14 OF 14

PATH:

SPECIAL INSPECTIONS SCHEDULE

SPECIAL INSPECTIONS: GENERAL

- A. CONTRACTOR SHALL READ AND UNDERSTAND THEIR DUTIES IN THE SPECIFICATION AND UNDER THE BUILDING CODE FOR SPECIAL INSPECTIONS AND COORDINATE AS NECESSARY THE OWNER'S RESPONSIBILITIES.
- B. THE SPECIAL INSPECTORS SHALL BE PROVIDED AND SHALL ONLY USE APPROVED SHOP DRAWINGS.
- C. SPECIAL INSPECTION REPORTS ARE TO BE SUBMITTED IMMEDIATELY TO THE SER, ARCHITECT, AND CONTRACTOR DAILY WHEN INSPECTIONS ARE PERFORMED.
- D. THE GENERAL CONTRACTOR SHALL PROVIDE TIMELY NOTICE TO THE SPECIAL INSPECTOR AND SUFFICIENT TIME FOR THE INSPECTOR TO PERFORM THEIR INSPECTION.

SPECIAL INSPECTIONS STATEMENT

- A. SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17).
- B. THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.
- C. DUTIES OF THE SPECIAL INSPECTOR:
1. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED ABOVE FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE 2021 IBC.
- a. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE EOR, CONTRACTOR, OWNER, AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE EOR AND THE BUILDING OFFICIAL.
- b. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2018 IBC.
2. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:
- a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS."
- b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
- c. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.
3. PLEASE SEE THE "SPECIAL INSPECTION SCHEDULE" FOR THE TYPES, EXTENTS, AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

SPECIAL INSPECTIONS SCHEDULE			
AREAS REQUIRING SPECIAL INSPECTION:	FREQUENCY		COMMENTS:
	CONTINUOUS	PERIODIC	
FABRICATORS (IBC 1704.2.5)			
	◆		IF FABRICATOR IS APPROVED, ON-SITE INSPECTION IS NOT REQUIRED BUT A CERTIFICATE MUST BE PROVIDED TO THE B.O. (IBC 1704.2.5.1)
SOILS (IBC 1705.6)			
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		◆	PRIOR TO PLACEMENT OF CONCRETE.
EXCAVATION EXTEND TO PROPER DEPTH AND MATERIALS		◆	PRIOR TO PLACEMENT OF COMPACT FILL OR CONCRETE.
CLASSIFICATION AND TESTING OF FILL MATERIALS		◆	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, BUT NOT LESS THAN ONCE FOR EACH 10,000 FT² OF SURFACE AREA.
VERIFY PROPER FILL MATERIALS, LIFT THICKNESS AND IN-PLACE DENSITIES	◆		-
VERIFY PROPERLY PREPARED SITE AND SUB-GRADE		◆	PRIOR TO PLACEMENT OF CONCRETE.
CONCRETE CONSTRUCTION (IBC 1705.3)			
REINFORCING STEEL PLACEMENT		◆	VERIFY SIZE, CLEARANCES, SPLICES, AND PROPER TIES.
EMBEDDED BOLTS OR PLATES		◆	-
VERIFY REQUIRED DESIGN MIX		◆	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
CONCRETE PLACEMENT / SAMPLING	◆		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH, AND TEMPERATURE TECHNIQUES.
INSPECT FORMWORK		◆	VERIFY SHAPE, LOCATION, AND MEMBER DIMENSIONS.
POST-INSTALLED ANCHORS	◆		IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT.

1



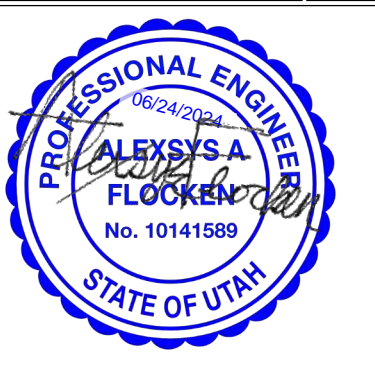
TALISMAN
CIVIL CONSULTANTS
1588 SOUTH MAIN STREET
SUITE 200
SALT LAKE CITY, UT 84115
801.743.1300

REVIEWS	DATE	BY	NO.	PLAN REVIEW COMMENTS											
				1											

SNOWBASIN RESORT
LEGEND WELL HOUSE
SPECIAL INSPECTIONS SCHEDULE

TCC JOB NUMBER: 22-345-20

DATE: 05.10.2024



PROFESSIONAL ENGINEER
ALEXSYS A. FLOCKEN
No. 10141589
STATE OF UTAH



canyons
STRUCTURAL

1245 E. BRICKYARD RD.
SUITE 200
SALT LAKE CITY, UTAH 84106
PH. 801 . 486 . 6848
Info@canyonsstructural.com
www.canyonsstructural.com

SHEET NUMBER

S0.1



DATE:

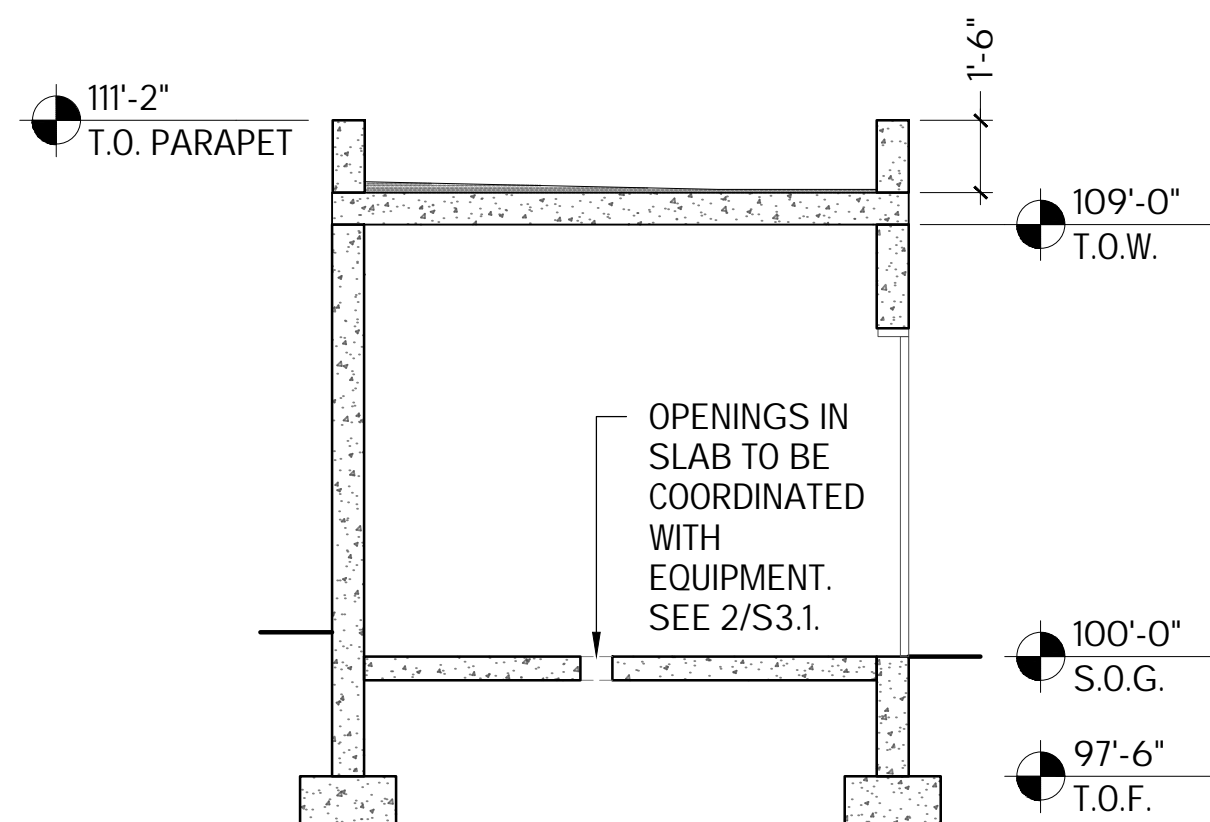
DATE:

IMPORTANT ADVISORY: THE CITY/COUNTY/DEER REVIEW PROCESS, TYPICALLY RESULTS IN ADJUSTMENTS NEEDING TO BE MADE TO STAMPED PLAN SHEETS. QUANTITY & PRICING ESTIMATES DERIVED FROM A PLAN SHEET THAT DOES NOT BEAR THE BUILDING OFFICIALS STAMP OF APPROVAL, ALLOWING CONSTRUCTION SHOULD BE CONSIDERED PRELIMINARY. THESE PLANS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, ARE THE INTELLECTUAL PROPERTY OF CANYONS INC. AND ARE PROTECTED BY COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS INCLUDING, BUT NOT LIMITED TO, COPYRIGHT. THEY MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF CANYONS, INC.

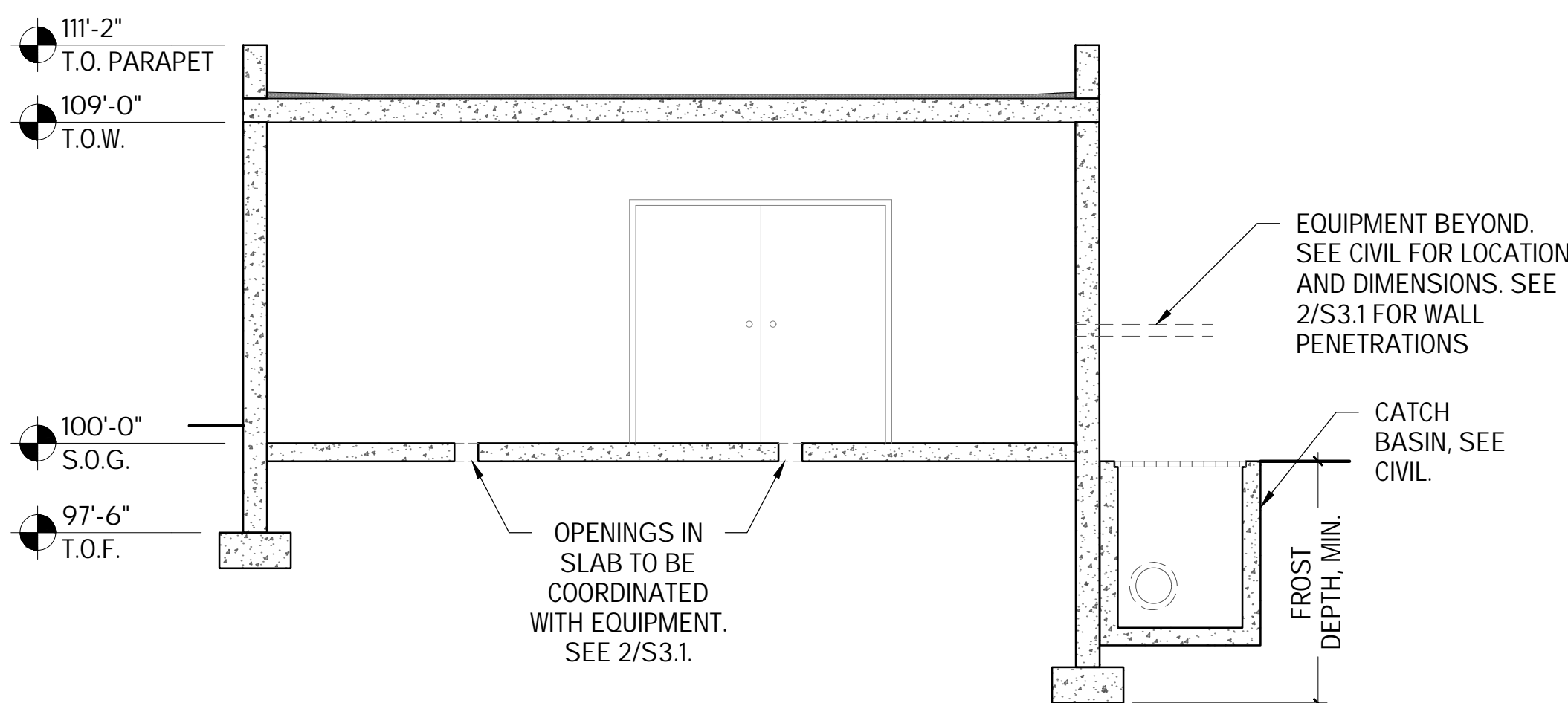
DATE:

DATE:

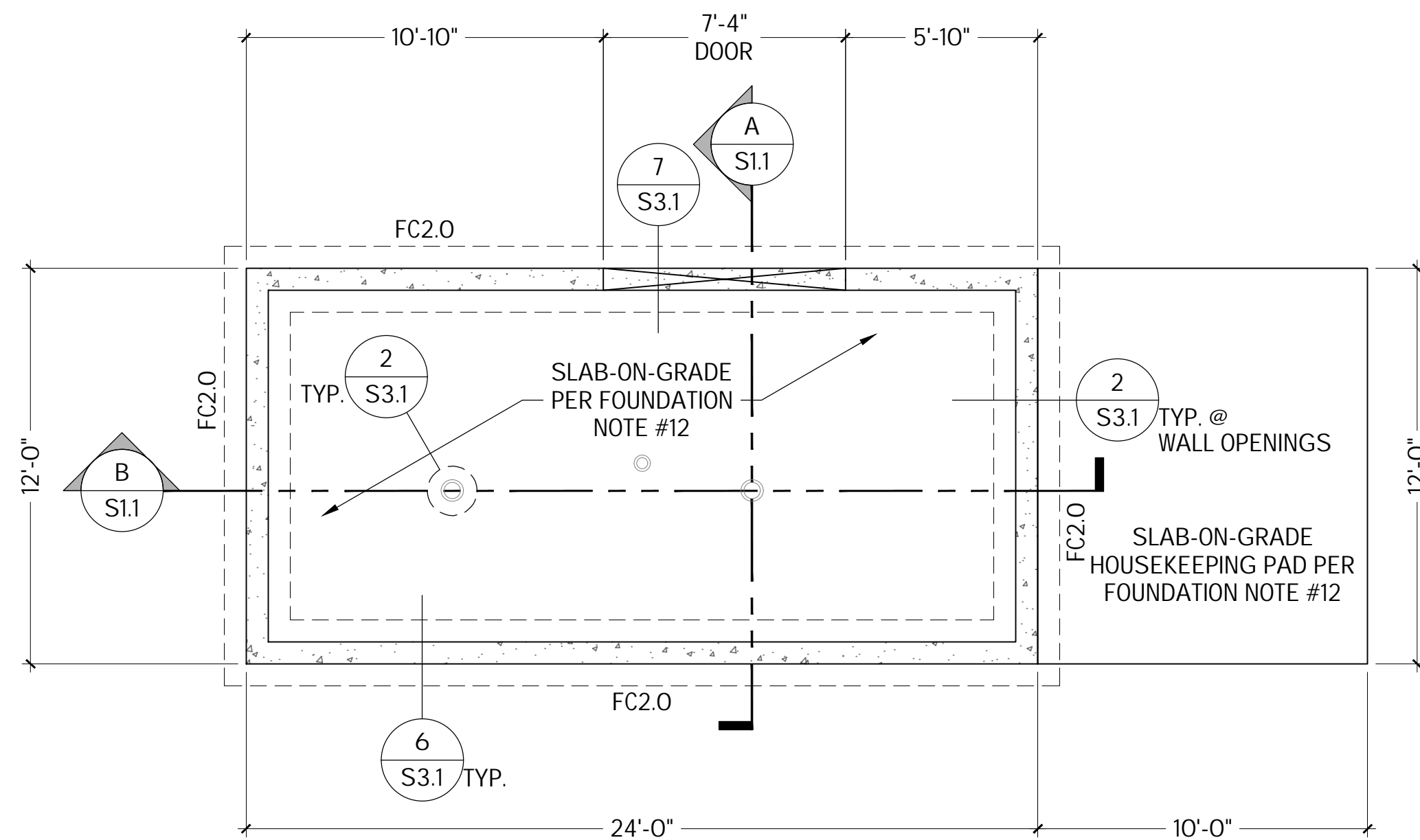
1



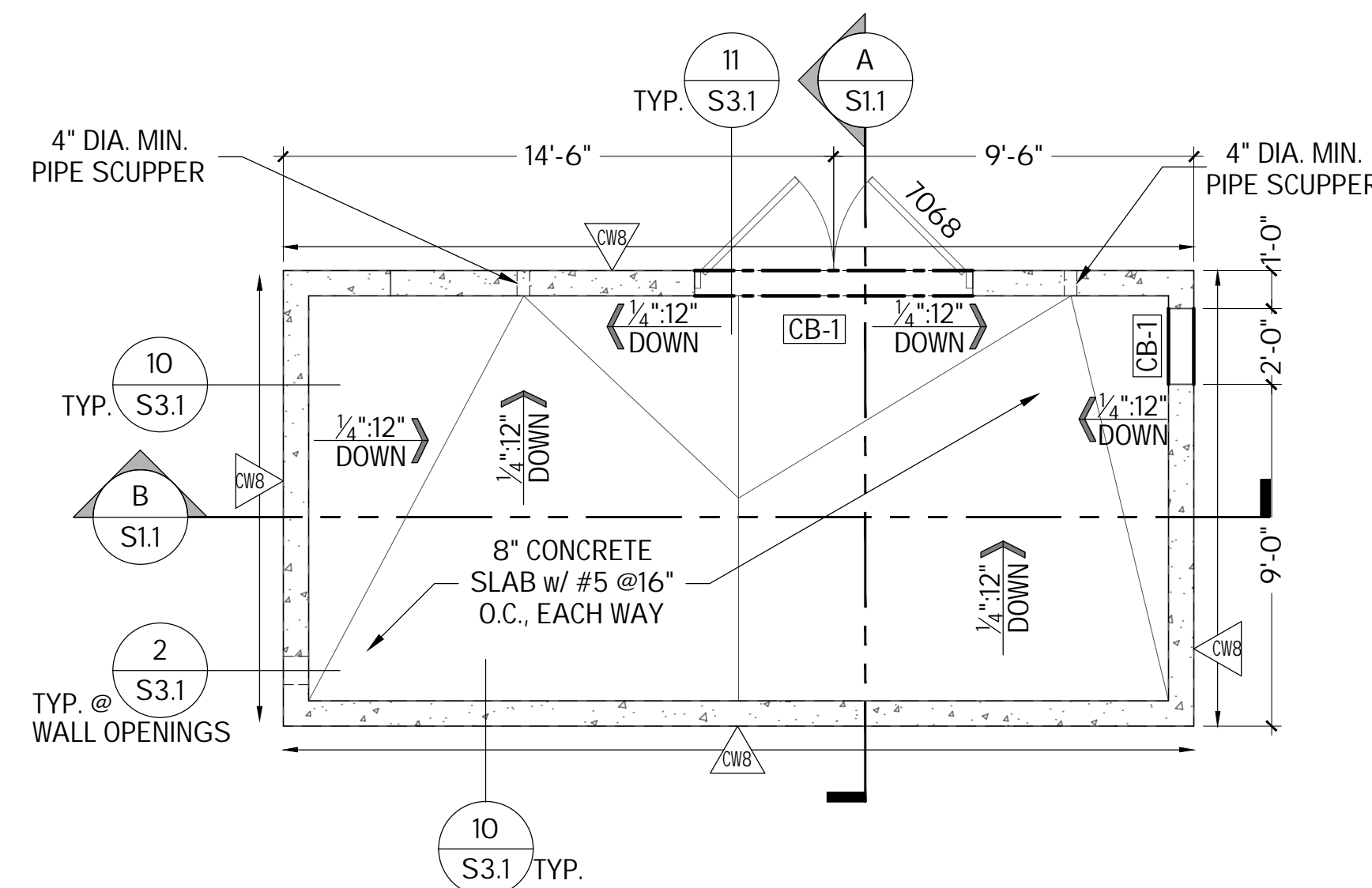
SECTION - A
SCALE: 1/4" = 1'-0"



SECTION - B
SCALE: 1/4" = 1'-0"



FOOTING AND FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES

- SEE SHEETS S0.0 AND S0.1 FOR OTHER IMPORTANT INFORMATION NOT LISTED HERE, IN THE DETAILS, OR ON THE PLANS.
- SEE PLAN FOR CONCRETE AND FOUNDATION SCHEDULES, INCLUDING FOOTINGS AND ANCHOR BOLTS.
- CONTRACTOR TO FIELD VERIFY ALL ASSUMED CONDITIONS & CONTACT ENGINEER OF RECORD WHENEVER DISCREPANCIES APPEAR.
- CONTRACTOR TO ASSUME RESPONSIBILITY FOR ALL INFORMATION REGARDING TOP OF WALL AND TOP OF FOOTING ELEVATIONS. ANYTHING SHOWN ON PLANS IS AN ESTIMATE.
- 'WS' INDICATES WALL STEP. 'FS' INDICATES FOOTING STEP. COORDINATE w/ ARCH. SEE DETAILS FOR REINFORCEMENT INFORMATION.
- CENTER SPOT FOOTINGS ABOUT COLUMNS AND CENTER CONTINUOUS FOOTINGS ABOUT WALLS WHEREVER POSSIBLE.
- FOR ALL FOUNDATION WALLS GREATER THAN 8 FT. IN HEIGHT, FORMS SHALL REMAIN OPEN UNTIL REBAR INSPECTION HAS BEEN COMPLETED.
- ALL FOOTINGS TO BE PLACED ON UNDISTURBED EARTH OR COMPACTED STRUCTURAL FILL PER GEOTECHNICAL REPORT.
- ALL REINFORCING MATERIAL TO BE DEFORMED BARS, 60 GRADE.
- FINISHED GRADE TO BE 6" BELOW TOP OF FOUNDATION WALL.
- FROST DEPTH TO BE 48" MIN. MEASURED FROM TOP OF GRADE TO BOTTOM OF FOOTING.
- 4" MIN THICK CONCRETE SLABS ON-GRADE. REINFORCE WITH 6x6xW1.4 WWF AT MID-DEPTH. PLACE OVER 4" MIN FREE-DRAINING GRAVEL OVER PREPARED SUB-GRADE. IF 6" THICK SLAB DESIRED, REINFORCE WITH #4 BARS AT 24" O.C. E.W. IN LIEU OF WWF.

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING - (q = 3000 psf)
FC2.0	2'-0"	CONT.	12"	(3) #4 CONTINUOUS

GENERAL FRAMING NOTES

- SEE DETAIL SHEETS S0.0 AND S0.1 FOR OTHER IMPORTANT INFORMATION NOT LISTED HERE, IN THE DETAILS, OR ON THE PLANS.
- CONTRACTOR TO FIELD VERIFY ALL ASSUMED CONDITIONS & CONTACT ENGINEER OF RECORD WHENEVER DISCREPANCIES COME UP.
- TYPICAL ROOF DL.....110 PSF
WARM ROOF SL.....270 PSF
TYPICAL FLOOR LL.....40 PSF
COLD-VENTED ROOF SL.....324 PSF

CONCRETE BEAM SCHEDULE

MARK	SIZE	VERTICAL REINFORCING	TIES
CB1	8"x12"	(2) #6, TOP & BOTTOM	#3 TIES @ 12" O.C

CONCRETE BEAM NOTE:

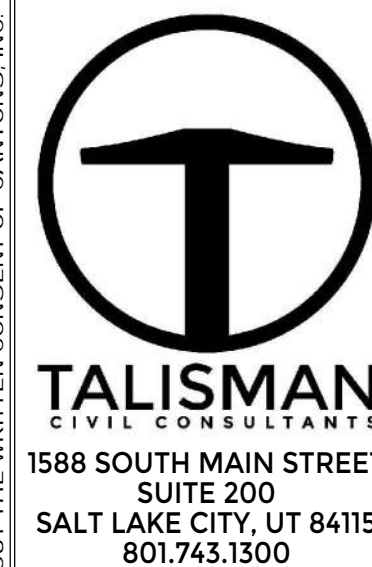
- BEAM DEPTH INCLUDES CONNECTING SLAB DEPTH.
- USE MIN. CB1 FOR BEAMS ALONG 8" WALL.

CONCRETE WALL SCHEDULE

MARK	WIDTH	LENGTH	VERTICAL REINF.	HORIZONTAL REINF.	NOTES
CWB	8"	PER PLAN	(1) #5 @ 12" O.C.	(1) #5 @ 12" O.C.	CENTER OF WALL

NOTES:

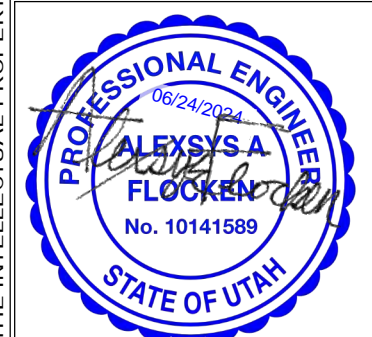
- ALL CONCRETE WALLS ARE TYPE CWB FOR 8" TYP., U.N.O..



SNOWBASIN RESORT LEGEND WELL HOUSE STRUCTURAL PLANS AND SECTIONS

DATE: 05.10.2024

TCC JOB NUMBER: 22-345-20



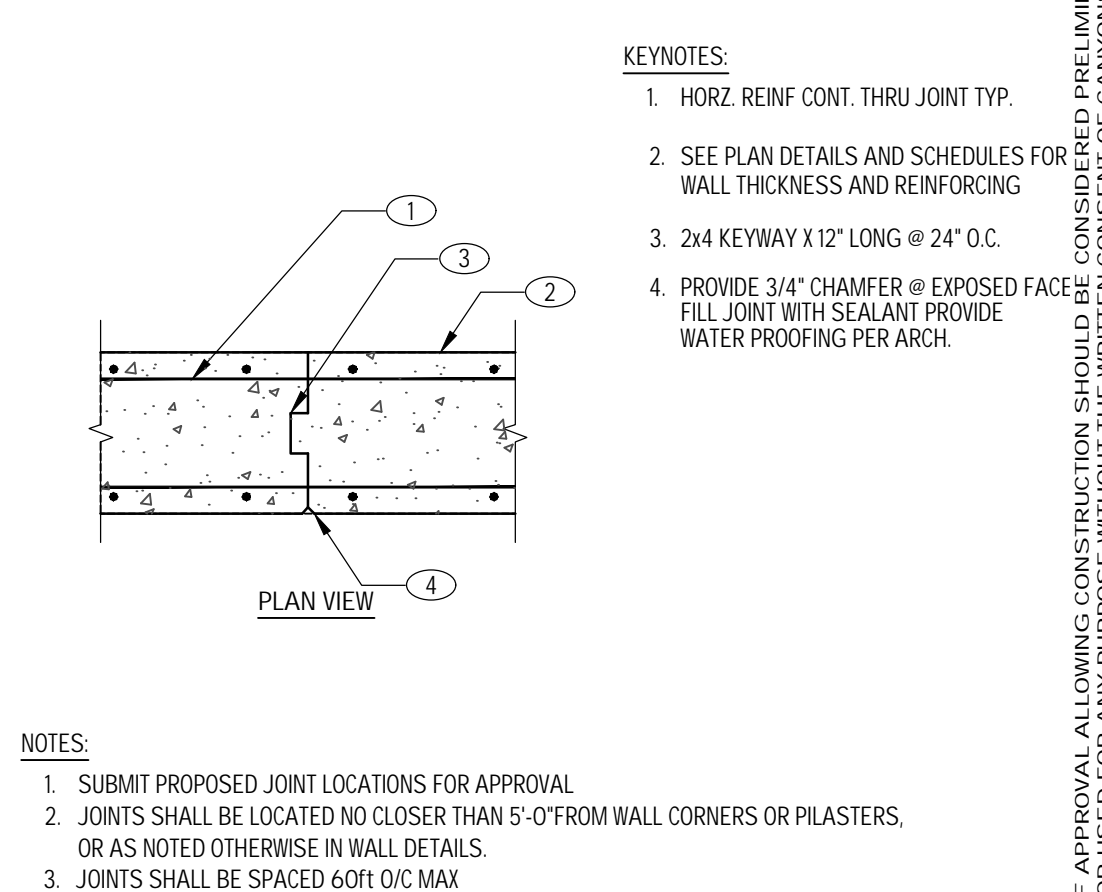
1245 E. BRICKYARD RD.
SUITE 200
SALT LAKE CITY, UTAH 84106
PH. 801 . 486 . 6848
Info@canyonsstructural.com
www.canyonsstructural.com

SHEET NUMBER

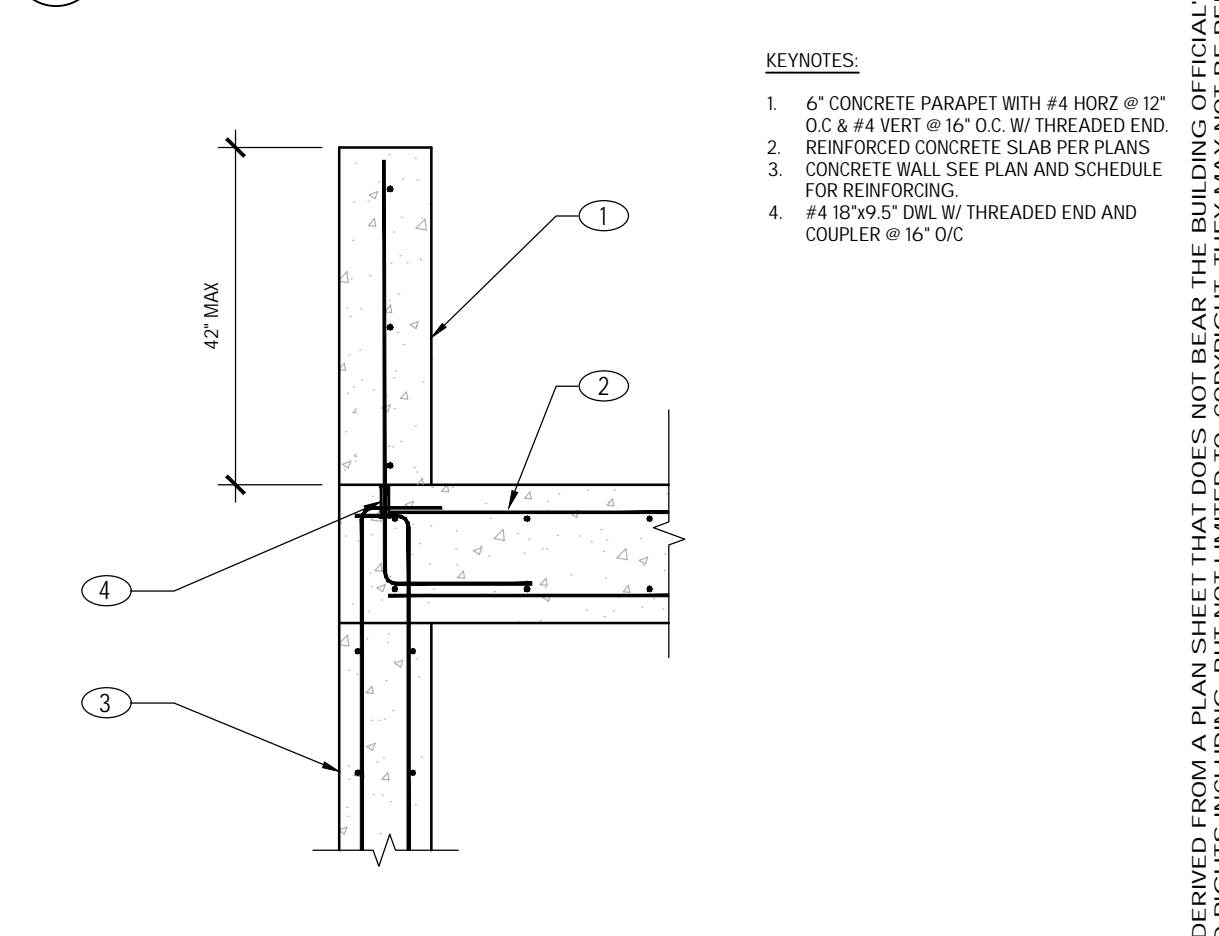
S1.1



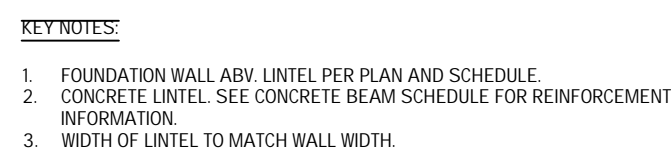
PATH:



5 TYP VERTICAL CONSTRUCTION JOINT FOR WALLS
S3.1 NO SCALE

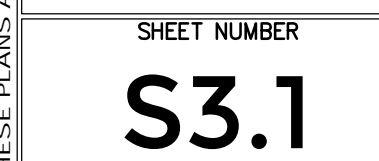


10 PARAAPET DETAIL
S3.1 NO SCALE



15 NOT USED
S3.1 NO SCALE

20 NOT USED
S3.1 NO SCALE



IMPORTANT ADVISORY: THE CITY/COUNTY/PEER REVIEW PROCESS TYPICALLY RESULTS IN ADJUSTMENTS NEEDING TO BE MADE TO STAMPED PLAN SHEETS. QUANTITY & PRICING ESTIMATES DERIVED FROM A PLAN SHEET THAT DOES NOT BEAR THE BUILDING OFFICIAL'S STAMP OF APPROVAL ALLOWING CONSTRUCTION SHOULD BE CONSIDERED PRELIMINARY.

TCC JOB NUMBER: 22-345-20



SHEET INDEX	
EG001	GENERAL NOTES AND SYMBOLS LIST
EG501	DETAILS
EP101	POWER PLANS
EP601	SCHEDULES
EP701	RISER DIAGRAMS
EP702	TELEMETRY RISER DIAGRAM

1. DIVISION 26000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATIONS SHALL BE LISTED ON THE SUBMITTAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES WITHOUT ADDITIONAL COSTS TO OWNER. THERE WILL BE NO EXCEPTIONS.
2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING. AT THEIR DISCRETION, THESE ITEMS ARE NOT ALL INCLUSIVE AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE TO ALL REQUIREMENTS OF THE SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS ARE NOT ALL INCLUSIVE AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE TO ALL REQUIREMENTS OF THE SPECIFICATIONS:
 - A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZED USED ON THIS PROJECT.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
 - C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL LIGHT FIXTURES AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE LOCAL AND NATIONAL CODES.
4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED TO SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.
5. THE CONTRACTOR SHALL INSTALL THE WIRE SIZES AS CALLED OUT ON THE ONE-LINE DIAGRAM, EQUIPMENT SCHEDULES, VOLTAGE DROP TABLES, AND ELECTRICAL SPECIFICATIONS. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS SIZED LARGE ENOUGH TO ALLOW FOR VOLTAGE DROP.
6. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO ADDITIONAL PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.

[illegible]

DATE SUBMITTED: 05.31.2024



EG001

DATE: 3/15/2024 11:03 AM
P:\14- P_24\2024-102-00 - Snowbasin Legend Well House\01-Draws\02-References\01-RevA\08-TC-Titleblock.dwg

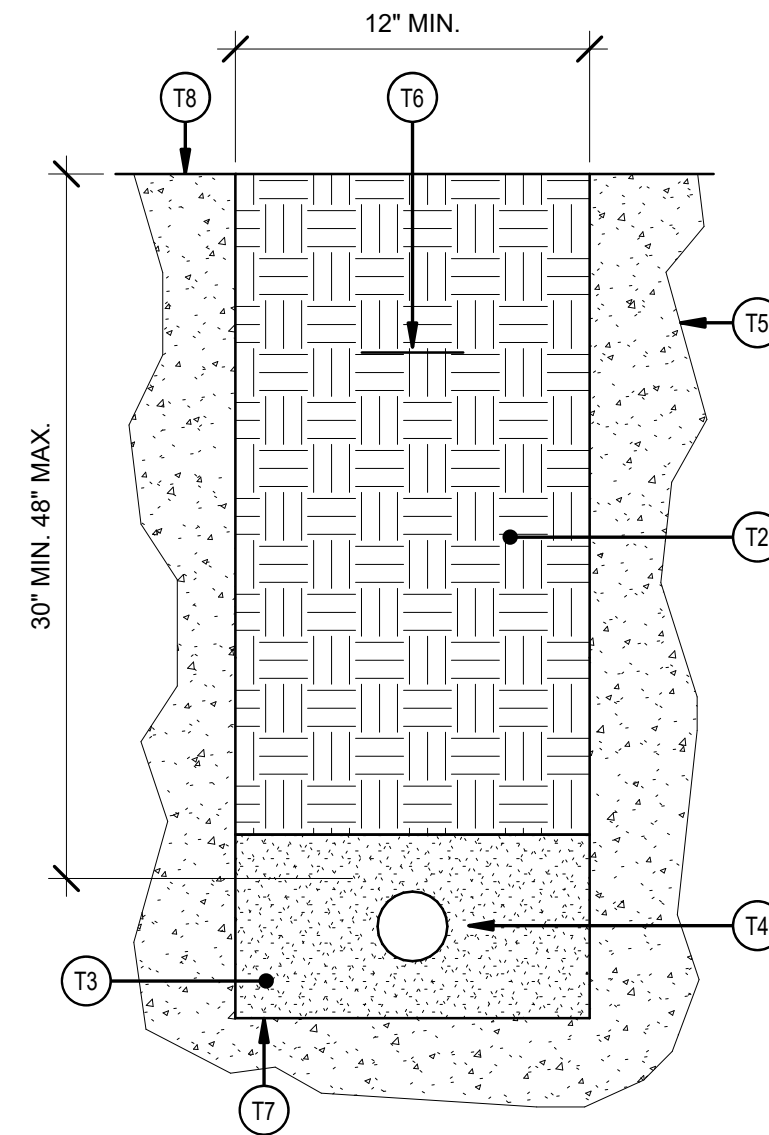
SNOWBASIN RESORT
LEGEND WELL HOUSE
DETAILS

DATE SUBMITTED: 05.31.2024

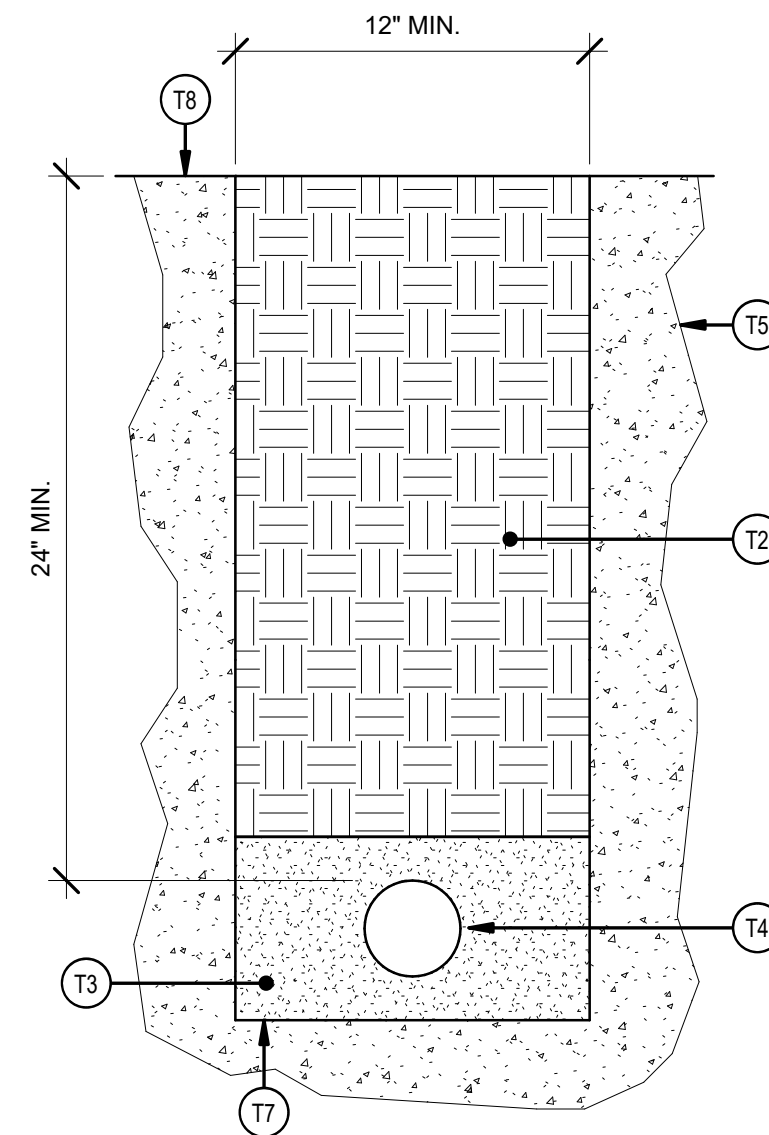


SHEET NUMBER

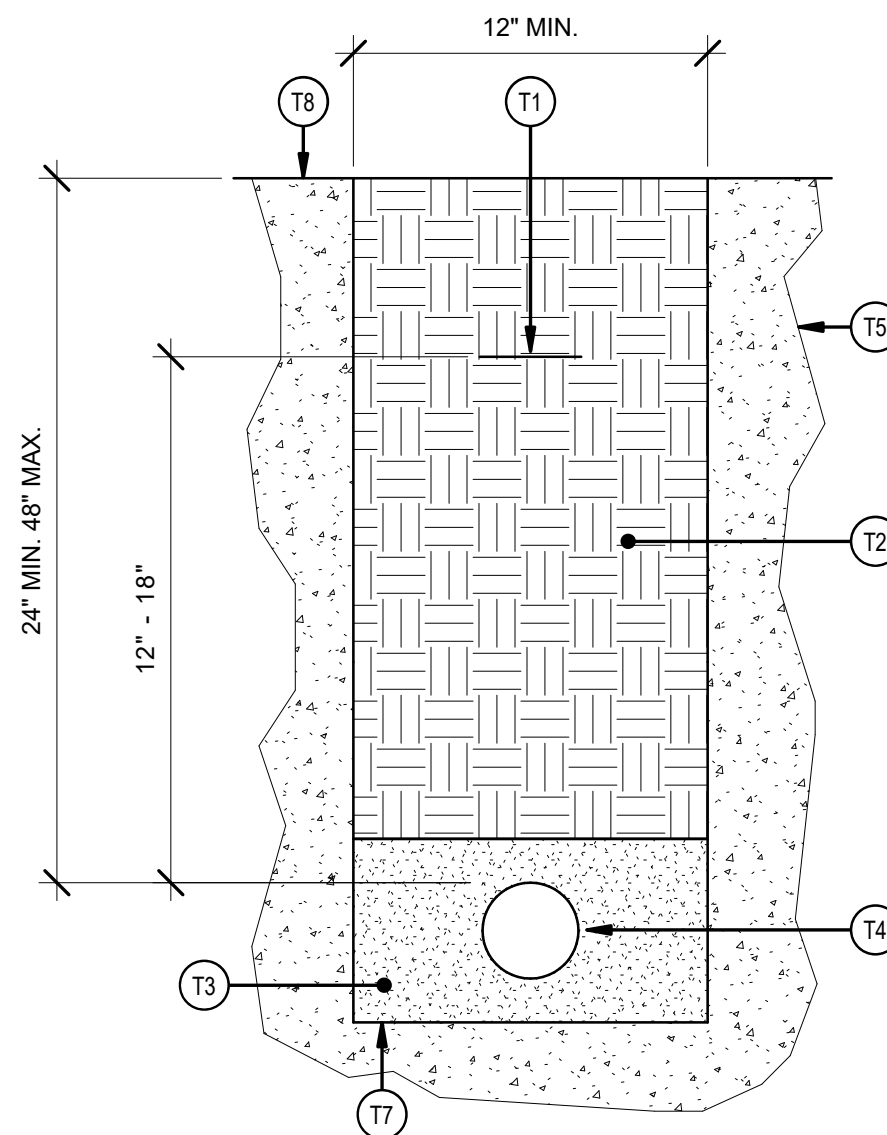
EG501



3 TRENCHING DETAIL - COMMUNICATIONS
SCALE: NTS



2 TRENCHING DETAIL - POWER BRANCH CIRCUITS
SCALE: NTS

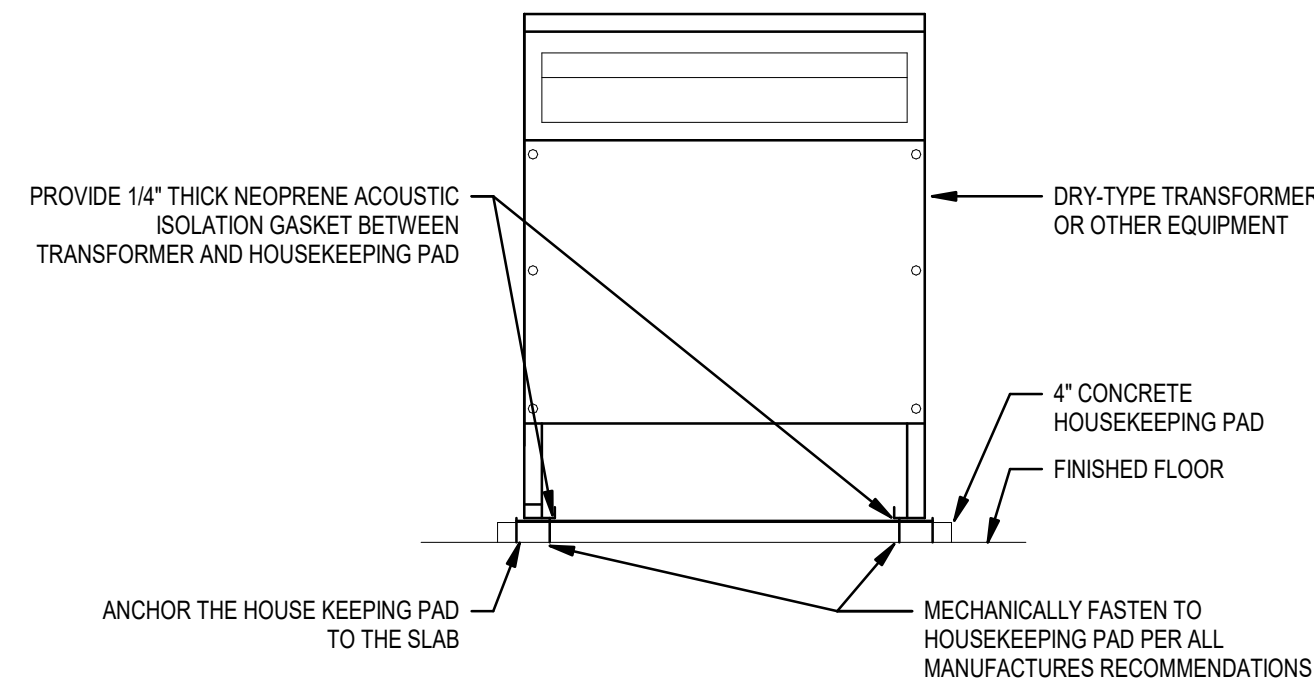


1 TRENCHING DETAIL - SECONDARY POWER
SCALE: NTS

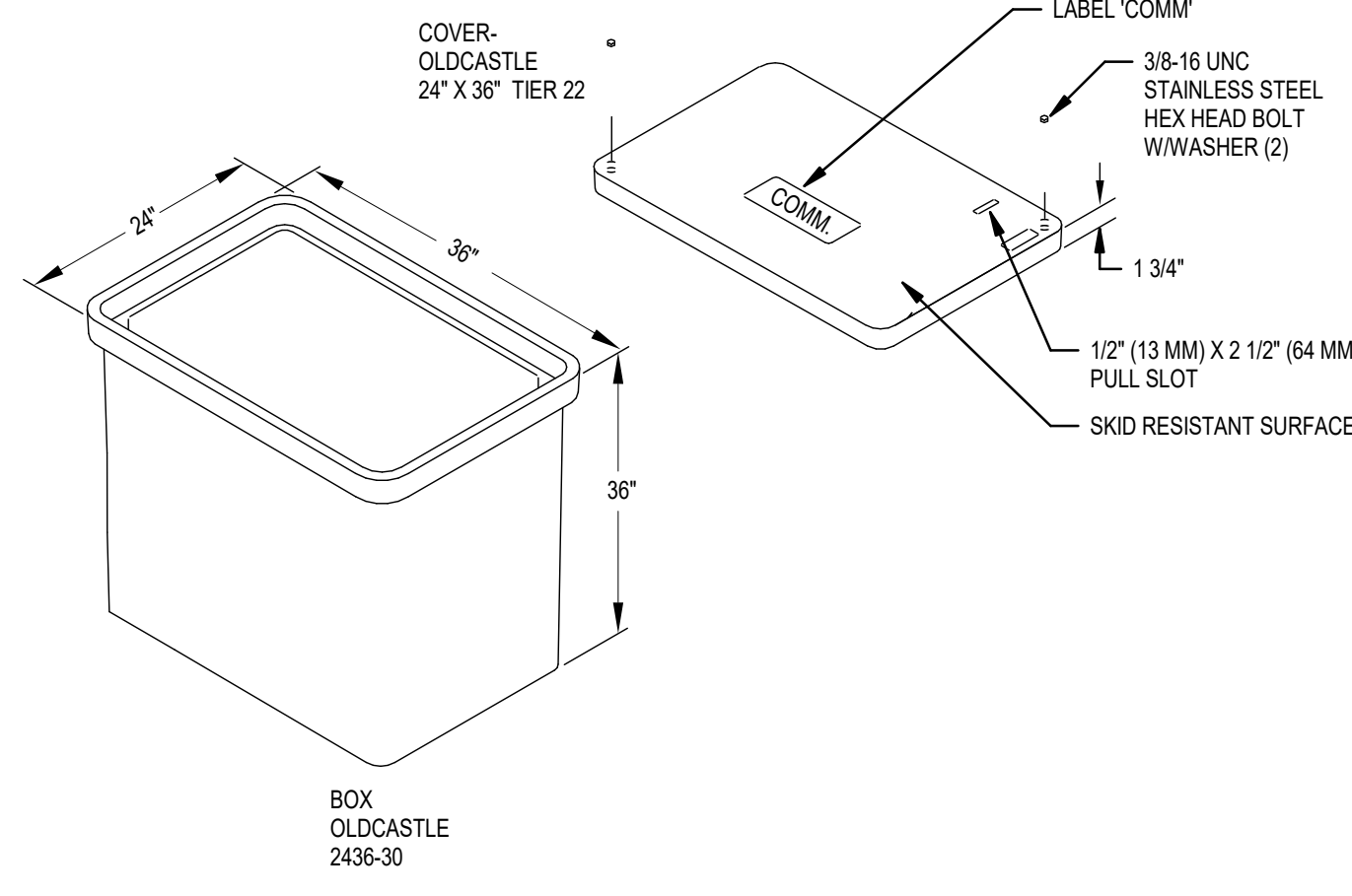
- TRENCHING GENERAL NOTES:**
1. PROVIDE 1/4" NYLON PULL ROPES IN ALL CONDUITS.
 2. IN JOINT USE TRENCHES, HORIZONTAL AND VERTICAL SEPARATION BETWEEN CONDUIT SHALL BE MAINTAINED BY INSTALLING HIGH IMPACT SPACERS WITH HORIZONTAL INTERVALS OF EIGHT FEET.
 3. ALL MARKER TAPE SHALL CONTAIN #10 TRACER WIRE.

- TRENCHING KEYED NOTES:**
- T1. MARKER TAPE WITH TRACER WIRE LABELED, "CAUTION BURIED ELECTRIC CONDUITS BELOW" DIRECTLY OVER POWER CONDUITS 6" MINIMUM BELOW GRADE.
 - T2. CLEAN BACKFILL CONTAINING NO ROCKS LARGER THAN 4" DIA.
 - T3. BACKFILL MATERIAL WITHIN 4" TO 6" OF CONDUIT SHALL PASS THROUGH A 3/4" SLEEVE FRAME OR SAND WITHOUT ANY SHARP OR FOREIGN OBJECTS.
 - T4. ALL CONDUITS SHOWN SHALL BE SCHEDULE 40 PVC; SEE ES101 AND ONE-LINE DIAGRAMS FOR SIZES.
 - T5. UNDISTURBED EARTH.
 - T6. MARKER TAPE WITH TRACER WIRE LABELED, "CAUTION BURIED DATA/COMMUNICATION CONDUIT BELOW" DIRECTLY OVER DATA/COMMUNICATION CONDUITS.
 - T7. TRENCHES SHALL BE A UNIFORM DEPTH FOR ENTIRE LENGTH OF TRENCH SO CONDUITS CAN SIT FLAT (HORIZONTAL) WITH THE GROUND.
 - T8. FINISHED GRADE.

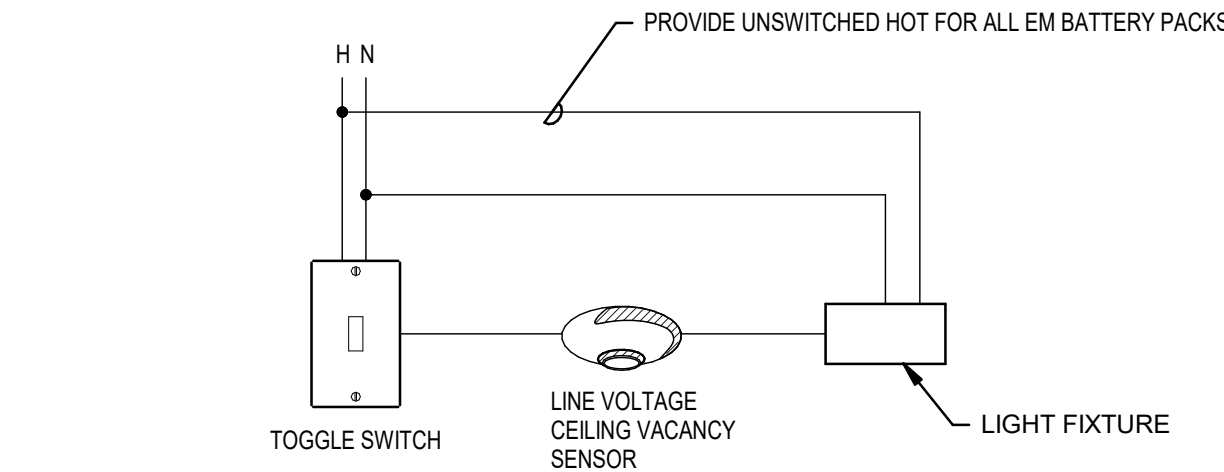
- NOTES:**
1. APPROVED ANCHORED SYSTEMS ARE: HILTI HVA OR HIT-1, OR EQUIVALENT FROM RAMSET OR EPCON.
 2. ANCHOR THE HOUSEKEEPING PAD TO THE SLAB WITH (1) #4 REBAR AT EACH CORNER OF BASE, (MIN 3" COVERAGE FROM EDGE) 3" INTO SLAB AND HOUSEKEEPING PAD.



5 PAD MOUNTED EQUIPMENT DETAIL
SCALE: NTS

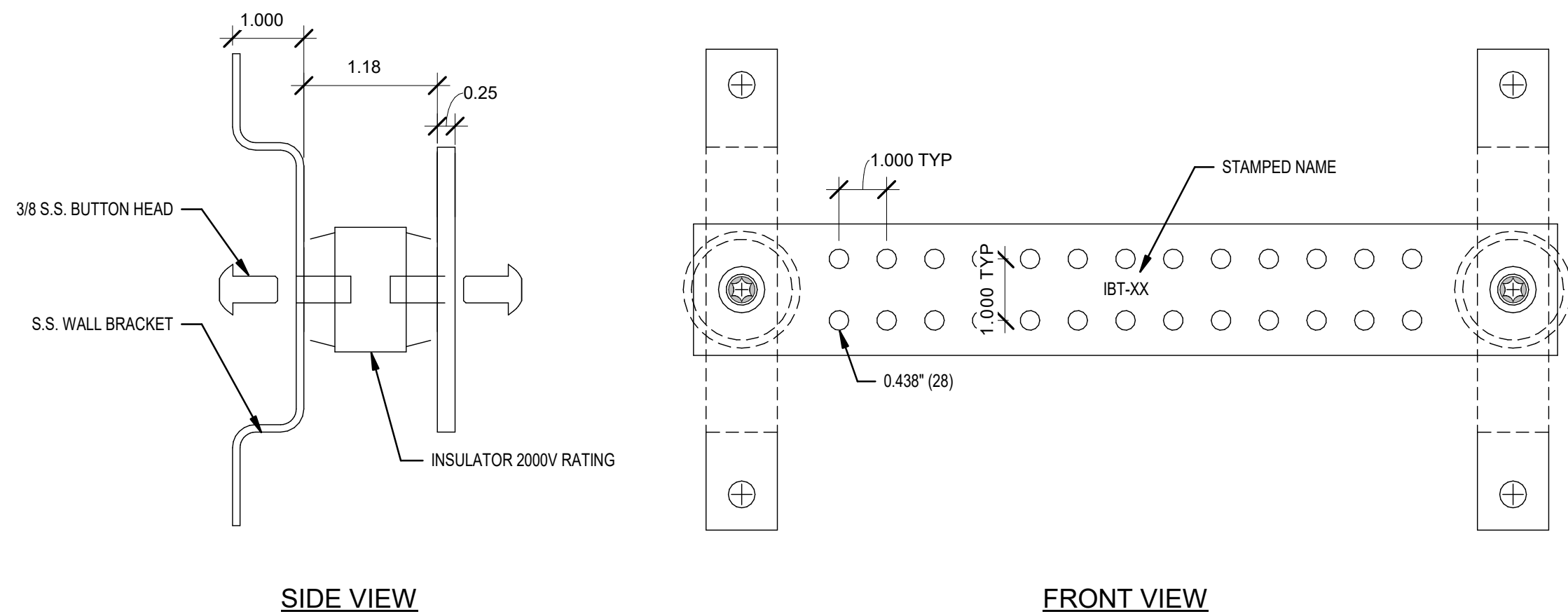


4 COMM PULLBOX DETAIL
SCALE: NTS



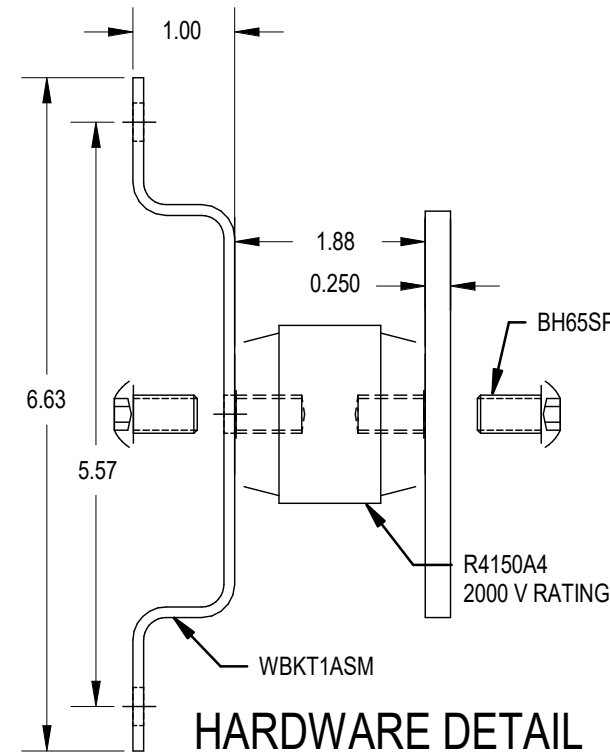
8 TYPICAL LINE VOLTAGE WIRING DIAGRAM
SCALE: NTS

- NOTES:**
1. SUPPORT FROM WALL 12 INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE.
 2. CLEAN ALL SURFACES TO BRIGHT METAL AND USE ANTIOXIDANT JOINT COMPOUND PRIOR TO MAKING ANY CONNECTIONS.

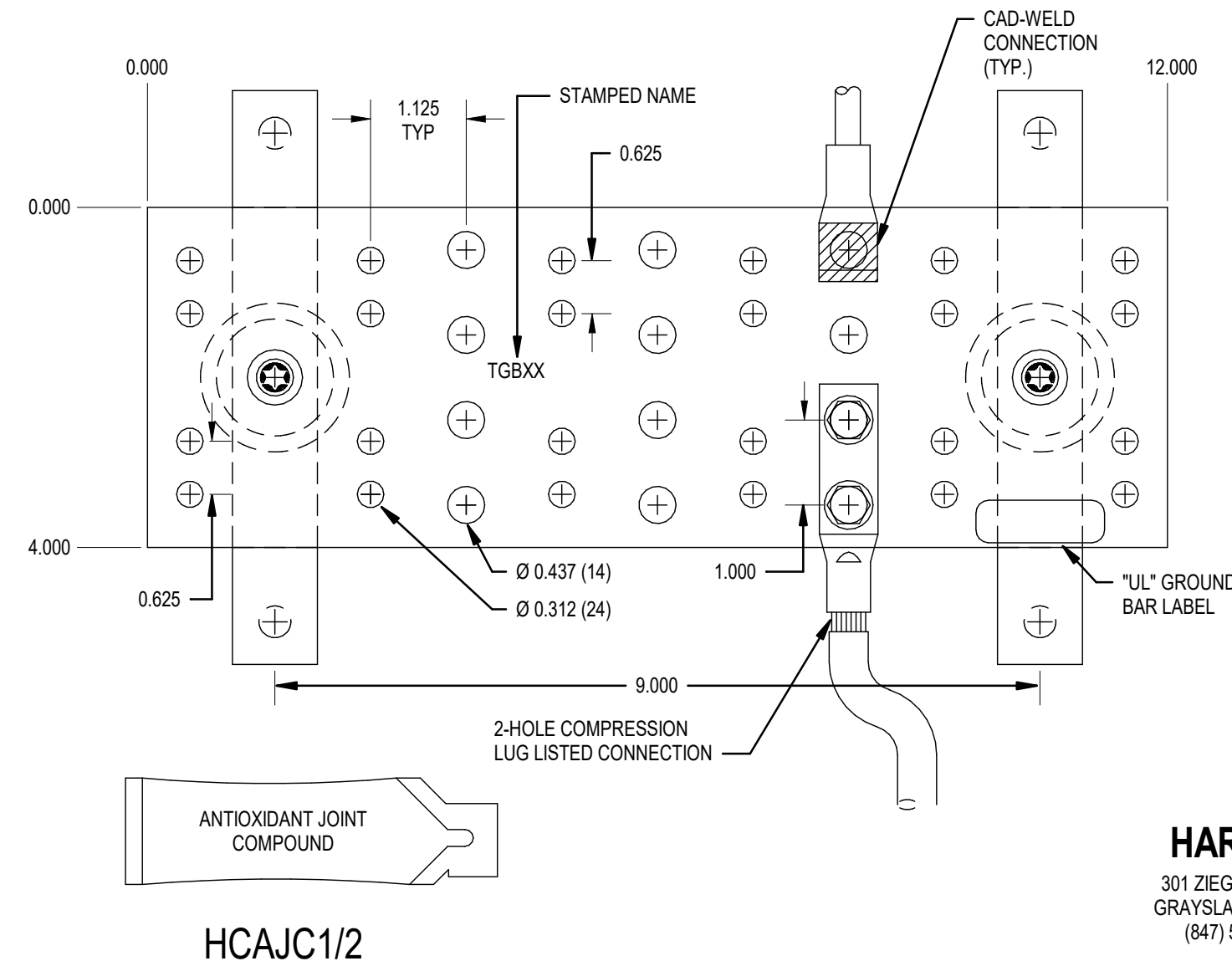


7 INTERSYSTEM BONDING TERMINATION GROUNDING BUS BAR DETAIL
SCALE: NTS

- NOTES:**
1. SUPPORT FROM WALL 12 INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE.
 2. PROVIDE TELEMETRY PANEL.
 3. EXTEND BONDING CONDUCTOR BACK TO PANEL 'H1' GROUNDING BUS BAR.
 4. SEE SPECIFICATION SECTION 270527 FOR DETAILS. PROVIDE MANUFACTURER AND PART NUMBER INDICATED OR APPROVED EQUIVALENT.



6 TELECOMMUNICATIONS GROUNDING BUS BAR - TMGB
SCALE: NTS

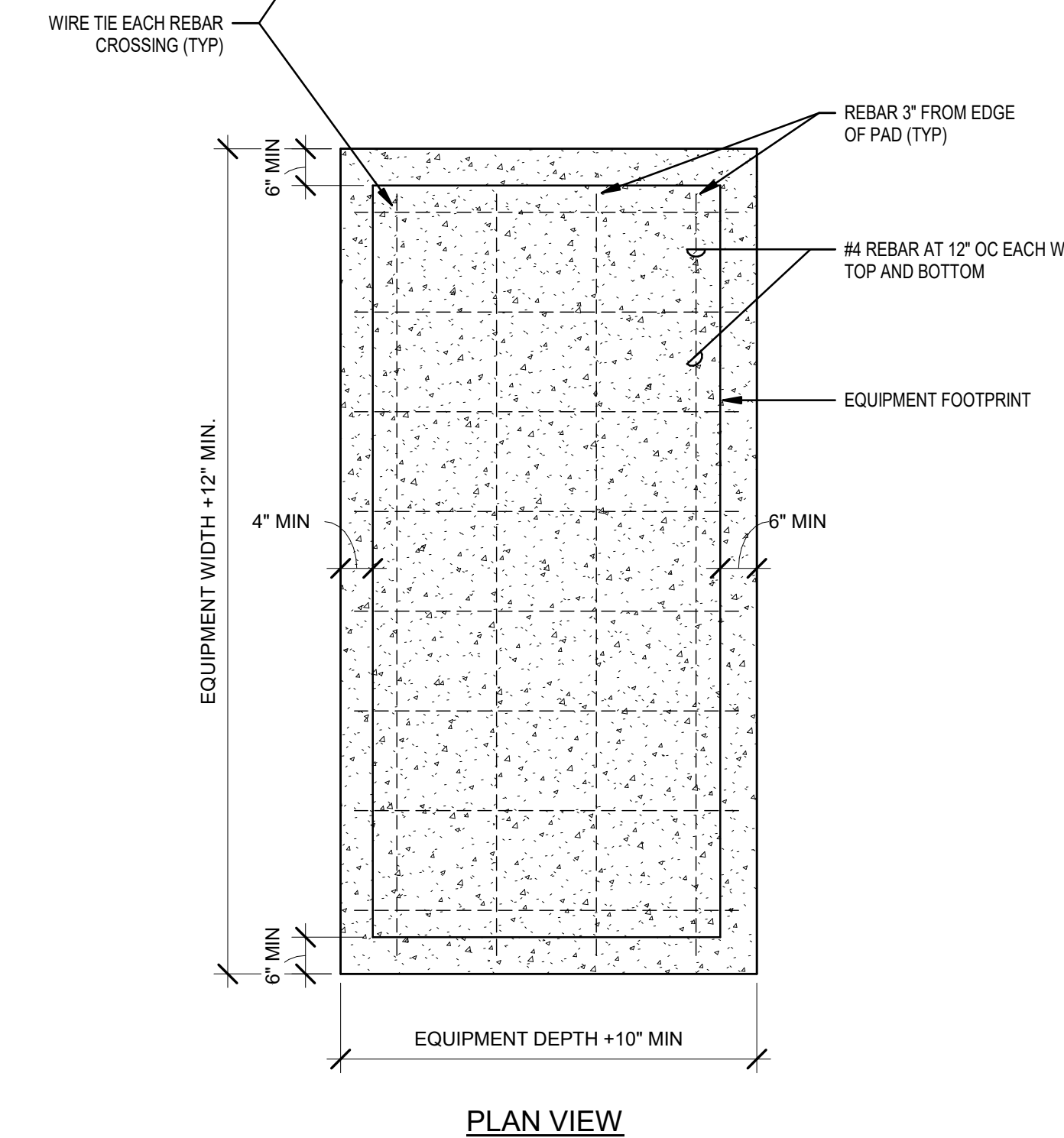
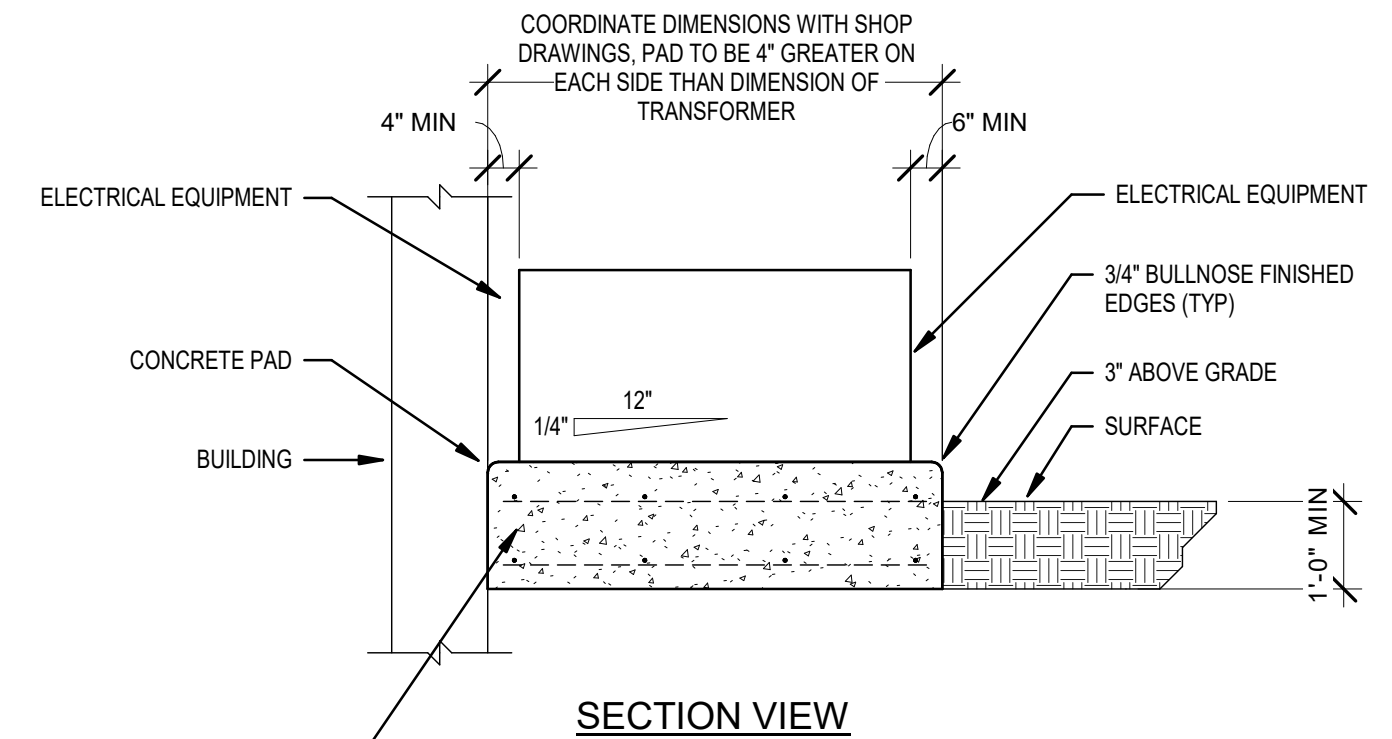


HARGER
301 ZIEGLER DRIVE
GRAYSLAKE, IL 60030
(847) 548-8700
PART NO. GB114212TGB
BICSI CU GROUND BAR ASSEMBLY

DATE: 3/15/2024 11:03 AM
P:\24\2024-02\00 - Snowbasin Legend Well House\01 - Draw\02 - References\01 - Rev\08 - TCC - Titleblock.dwg

NOTES:

WHEN INSTALLED ON PAD, SWITCHBOARDS AND DISTRIBUTION BOARDS SWITCH HANDLES SHALL NOT EXCEED 6'-7" FROM GRADE LEVEL TO CENTER OF SWITCH HANDLE. PROVIDE A PAD THICKNESS OF MIN 4" ABOVE GRADE.



EXTERIOR EQUIPMENT CONCRETE PAD
DETAIL

SCALE: NTS

KEYED NOTES

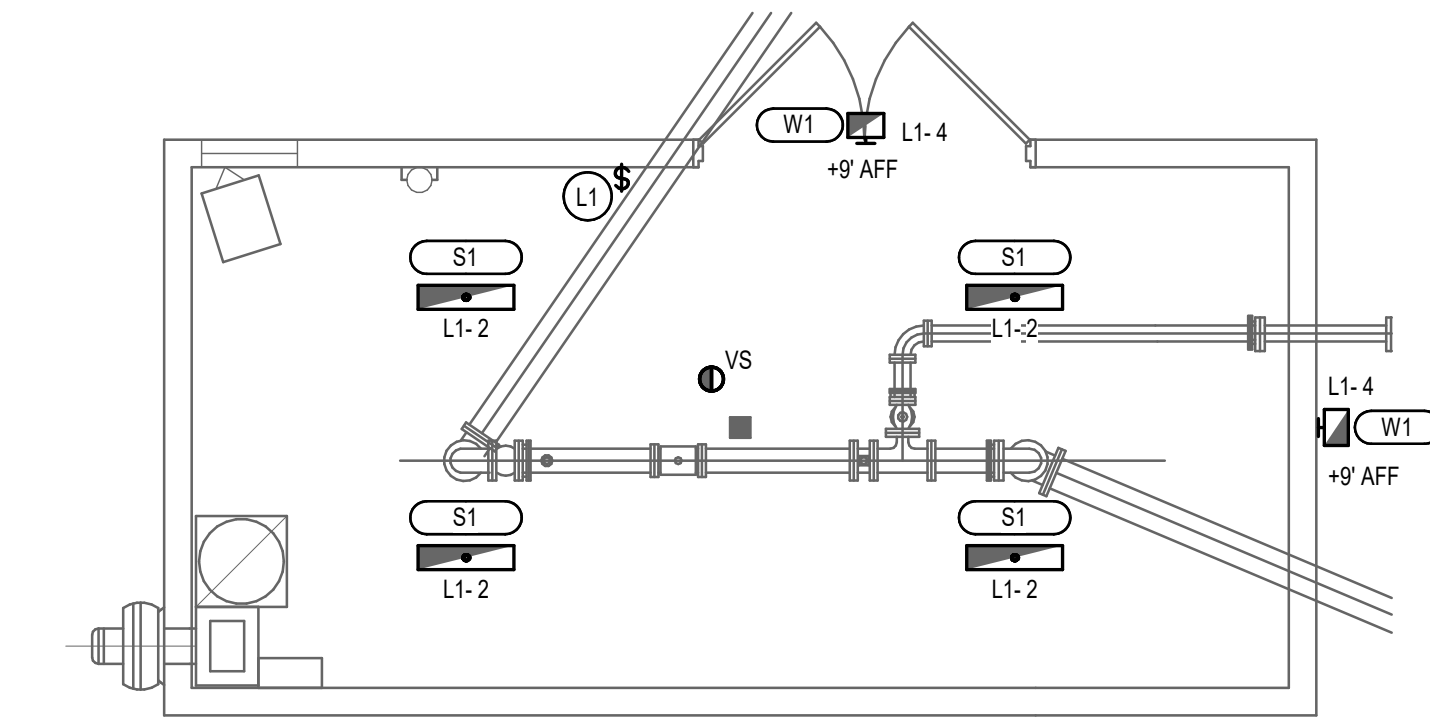
- L1 PROVIDE LINE VOLTAGE CONTROL SYSTEM WITH WALL MOUNTED TOGGLE SWITCH AND CEILING MOUNTED VACANCY SENSOR. PROGRAM SENSOR FOR AUTO MANUAL; AUTO OFF AFTER 15 MINUTES. SEE 5/EG501 FOR CONTROL DIAGRAM.
- P1 PROVIDE DEDICATED SURGE SUPPRESSOR OUTLET FOR TELEMTRY PANEL POWER. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION. THAT OUTLET SHALL BE BLUE IN COLOR AND SIMILAR TO LEVITON 5380-B (OR APPROVED EQUAL).
- P2 PROVIDE NEMA 3R 4-11/16\"X4-11/16\" JUNCTION BOX ON EXTERIOR WALL APPROXIMATELY 12\" BELOW TOP OF STRUCTURE. PROVIDE 1\" CONDUIT WITH PULL STRING BACK TO TELEMTRY PANEL FOR FUTURE USE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
- P3 PROVIDE WATER TIGHT JUNCTION BOX WITH 3/4\" CONDUIT BACK TO TELEMTRY PANEL WITH REQUIRED LOW VOLTAGE CABLING. COORDINATE EXACT LOCATIONS PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL CONDUIT AND WIRING FOR 120V POWER WHERE INDICATED ON DRAWINGS.
- P4 SINE WAVE FILTER TCI MOTOR SHIELD (OR APPROVED ALTERNATE) PER GRUNDFOSS BULLETIN SP-15-18-08 PROVIDED WITH VFD. DIV 26 CONTRACTOR SHALL INSTALL THE SINE WAVE FILTER ON CONCRETE PAD AS SHOWN AND SHALL PROVIDE ALL CONDUIT AND CONDUCTORS BETWEEN VFD, FILTER, AND LOAD SIDE DISCONNECT. COORDINATE ALL REQUIREMENTS WITH VFD SUPPLIER PRIOR TO ROUGH IN.
- S1 SEE ONE-LINE DIAGRAM.
- S2 PROTECT AND MAINTAIN.
- S3 BY OWNER. SHOWN FOR REFERENCE ONLY.
- S4 COORDINATE EXACT PAD DIMENSIONS, LOCATION AND CONDUIT STUB UPS WITH OWNER PRIOR TO ROUGH-IN.
- S5 SEE FIBER OPTIC RISER DIAGRAM FOR MORE INFORMATION.
- S6 PROVIDE (2) NEMA 8 JUNCTION BOXES FOR TELEMTRY SYSTEM. INSTALL (1) AT THE BOTTOM OF THE PIT AND THE OTHER APPROXIMATELY 36\" BELOW FINAL GRADE. INSTALL 1\" CONDUIT BETWEEN BOXES AND BACK TO TELEMTRY PANEL. THE CONDUIT BETWEEN THE JUNCTION BOXES SHALL BE WATER TIGHT. PROVIDE WITH REQUIRED LOW VOLTAGE CABLING AS REQUIRED. COORDINATE EXACT LOCATIONS PRIOR TO ROUGH-IN.

POWER GENERAL NOTES:

- ALL 120V, 20AMP OUTLETS SHALL BE GFCI WITH A METAL WEATHER-PROOF COVER.
- THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
- ALL CONDUIT FITTINGS SHALL BE WATER-TIGHT.
- ALL EQUIPMENT AND PANELBOARDS SHALL BE NEMA 3R RATED.
- ALL CONDUIT PENETRATING THROUGH THE SLAB UP TO 18\" SHALL BE RGC. ALL CONDUIT ABOVE 18\" SHALL BE EMT.

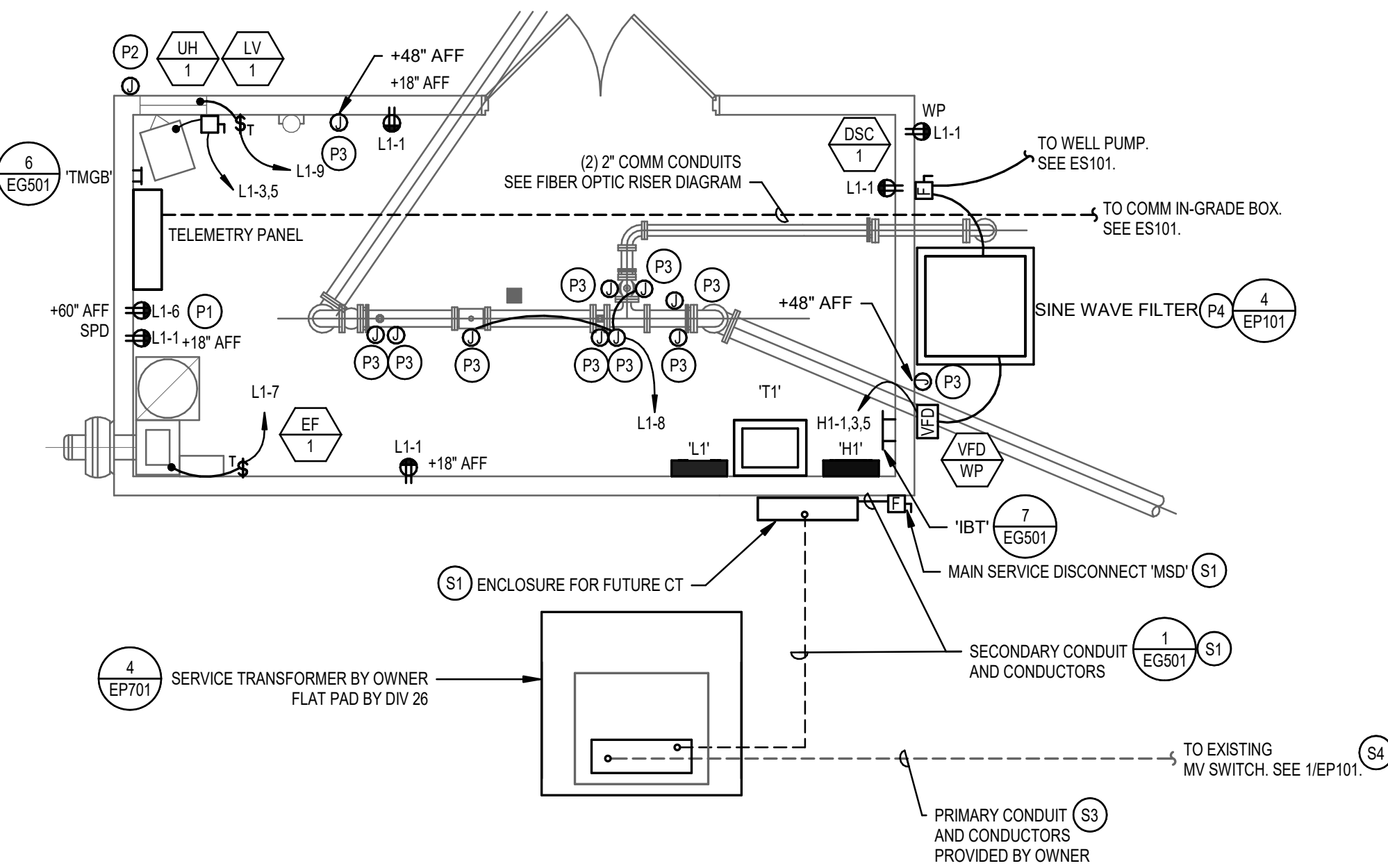
LIGHTING GENERAL NOTES:

- REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
- ALL LIGHT FIXTURES SHALL BE SUPPLIED WITH EMERGENCY BATTERY PACKS
- CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE UNSWITCHED HOT FOR ALL EMERGENCY LIGHTS AND BATTERY PACKS.



WELL HOUSE PLAN -LIGHTING

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

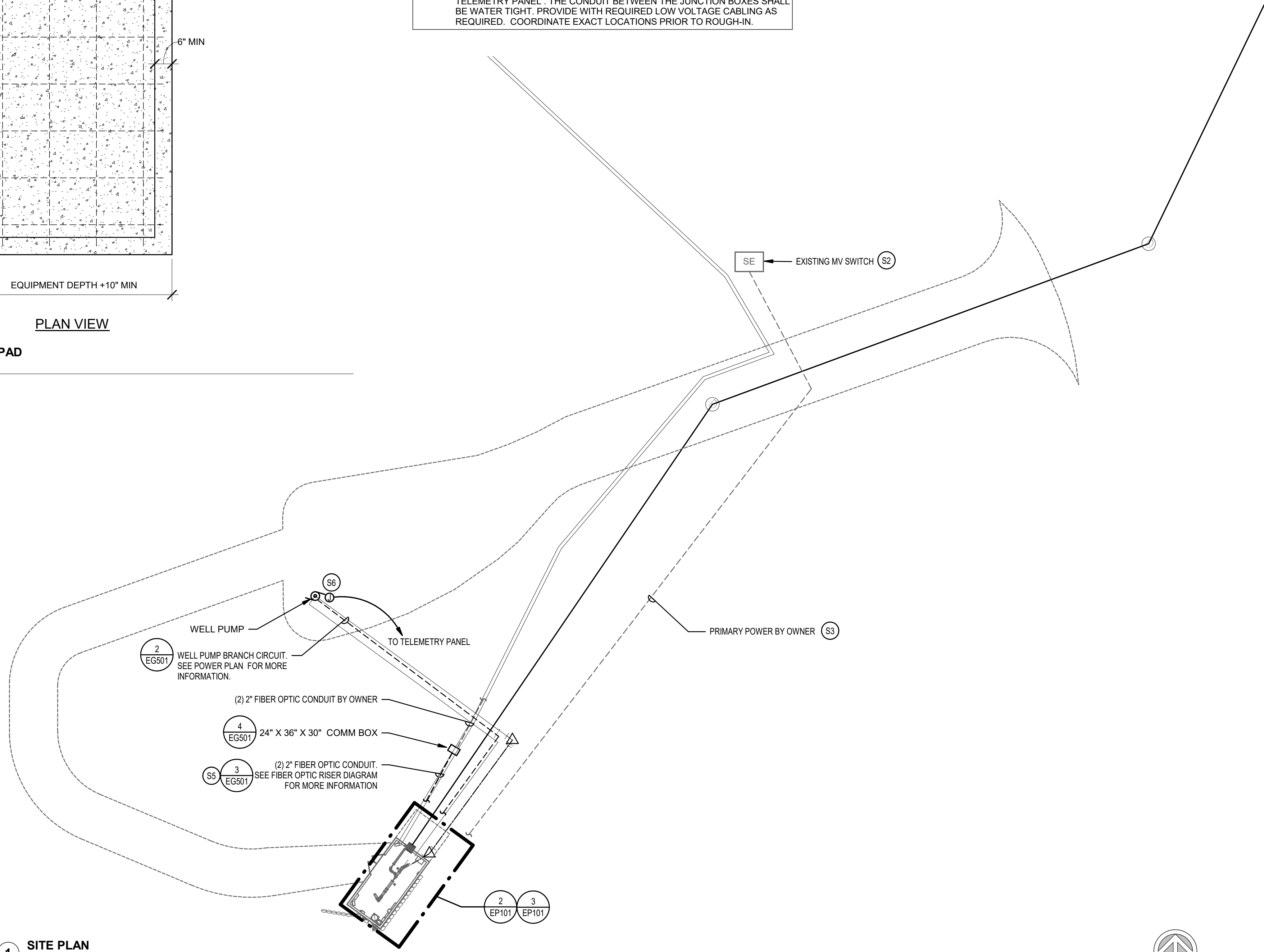


WELL HOUSE PLAN - POWER AND
SYSTEMS

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

SITE PLAN

SCALE: 1" = 20'-0"



LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	SOURCE	ELECTRICAL		APPROVED MANUFACTURERS	CATALOG INFORMATION CATALOG NUMBER / SERIES	COMMENTS / NOTES
			VOLTAGE	LOAD			
S1	CEILING MOUNT UTILITY STRIP LIGHT; DAMP LOCATION LISTED	4600 LUMEN 4000K 80 CRI	120 V	35	COOPER (OR APPROVED EQUAL)	4SNLED-LDS-46SL-LIW-UNV-EL14W-L840-CD-1	PROVIDE WITH 14 WATT EMERGENCY BATTERY PACK
W1	EXTERIOR WALL WITH BUILT IN PHOTOCELL AND COLD WEATHER BATTERY PACK	3500 LUMEN 4000K	120 V	27	COOPER (OR APPROVED EQUAL)	AXCS3A-MSP-L-12-CBP	PROVIDE WITH COLD WEATHER BATTERY PACK

LIGHT FIXTURE GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
2. CONFIRM MOUNTING HEIGHTS AND LOCATIONS OF ALL LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS AND / OR ARCHITECT.
3. REFER TO THE SPECIFICATIONS FOR OUTREACH LIGHT FIXTURE REQUIREMENTS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. ALL LIGHT FIXTURES ARE TO BE 3500K FOR INTERIOR APPLICATIONS AND 4000K FOR EXTERIOR APPLICATIONS, UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
6. ALL LIGHT FIXTURES ARE TO BE A MINIMUM OF 80 CRI UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
7. ALL LED SOURCES MUST MEET L80 AT 50,000 HRS MINIMUM UNLESS OTHERWISE NOTED.
8. CONFIRM ALL MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO RELEASE.
9. ALL LIGHT FIXTURES ARE TO HAVE AN EFFICACY OF 80 LUMENS PER WATT MINIMUM.

BIDDING REQUIREMENTS

1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED AND MUST BE BID SEPARATELY. I.E. LIGHT FIXTURES, THEATRICAL LIGHTING, SPORTS LIGHTING AND ALL LIGHTING CONTROLS.
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND / OR CONTRACTORS.
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS

1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
3. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM.
4. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
5. PRIOR APPROVALS SHALL CONSIST OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
6. LIGHTING FIXTURES WILL BE REVIEWED FOR GENERAL PROJECT COMPLIANCE ONLY. AN IN-DEPTH REVIEW OF ANY ALTERNATE FIXTURES WILL BE DONE DURING THE SUBMITTAL REVIEW PROCESS. ANY FIXTURES THAT ARE NOT TRULY EQUAL, AND / OR DO NOT COMPLY WITH ALL OF THE REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS, WILL NOT BE APPROVED. IF EQUIPMENT IS DISAPPROVED FOR BIDDING, CONTRACTOR SHALL SUPPLY SPECIFIED EQUIPMENT AT NO EXTRA COST TO THE OWNER.

TRANSFORMER SCHEDULE

NAME	KVA	WINDING MATERIAL	PRIMARY		SECONDARY		GROUNDING ELECTRODE CONDUCTOR			ELECTRO-STATIC SHIELD	MOUNTING	NEMA RATING	REMARKS
			VOLTAGE	CONNECTION	VOLTAGE	CONNECTION	SIZE	TYPE	K FACTOR				
T1	30	COPPER	480 V	DELTA	208	WYE	6 AWG	CU	1	YES	PAD	NEMA 3R	

MECHANICAL EQUIPMENT SCHEDULE

UNIT NAME		DESCRIPTION	ELECTRICAL INPUT					FEEDER					STARTER / DISCONNECT / CONNECTION AT UNIT										ENCLOSURE	REMARKS
TYPE	No.		LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE			STARTER SIZE	OCB			DISCONNECT							
										QTY	SIZE	EQPT		GND	NOTE	SIZE	POLES	SIZE	POLES					
DSC	1	PUMP DISCONNECT	30	HP	480 V	3	40 A	1	1-1/4"	3	3	8	10A	-	60	3	100	3	NEMA 3R	PROVIDE WITH PROVISIONS TO BE LOCKED IN THE 'OFF' POSITION				
EF	1	EXHAUST FAN	0.071	KVA	120 V	1	0.6 A	1	3/4"	2	12	12	1A	1HP	-	-	1HP	1	NEMA 3R					
LV	1	MOTORIZED LOUVER	0.25	HP	120 V	1	5.8 A	1	3/4"	2	12	12	1A	1HP	-	-	1HP	1	NEMA 3R					
UH	1	UNIT HEATER	3	KVA	208 V	1	14.4 A	1	1/4"	2	12	12	9A	-	-	-	30	2	NEMA 3R					
VFD	WP	VARIABLE FREQUENCY DRIVE	30	HP	480 V	3	40 A	1	1-1/4"	3	3	8	5C	-	-	-	-	-						

STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

- | | | |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1. MANUAL STARTER WITH THERMAL OVERLOAD | 11. BREAKER AND ENCLOSURE | A. FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26. |
| 2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR | 12. DIRECT CONNECTION | B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26 |
| 3. DR.ATO CONTROL | 13. DR. TO RECEPTACLE OUTLET | C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26 |
| 4. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT | 14. SPECIAL PURPOSE OUTLET | D. FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION |
| 5. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP) | 15. SHUNT-TRIP DISCONNECT | E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26 |
| 6. COMBINATION MAGNETIC STARTER / VARSIMON FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP) | 16. TOGGLE SWITCH | |
| 7. REDUCED VOLTAGE STARTER | 17. MAGNETIC STARTER | |
| 8. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT | 18. FUSED ELEVATOR SWITCH | |
| 9. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP) | 19. PROVIDE EARLY-BREAK RELAY IN DISCONNECT WITH CONTROL WIRING BETWEEN VFD AND RELAY. | |
| 10. NON-FUSED DISCONNECT SWITCH | | |
| 10. FUSED DISCONNECT SWITCH | | |

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
2. ALL CONDUCTORS USED SHALL BE COPPER.
3. ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.
5. SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PANELBOARD SCHEDULE

PANEL NAME: L1										LOCATION: T1								
MOUNTING: SURFACE					VOLTAGE: 120/208 Wye					MAIN TYPE: MCB								
ENCLOSURE: NEMA 3R					PHASE: 3					BUS RATING: 100 A								
DOOR TYPE: STANDARD					WIRES: 4					MCB RATING: 100 A								
Min. A.I.C. RATING: 10,000 A					BUSH MATERIAL: COPPER					NEUTRAL RATING: 100%								
										ISOLATED GROUND: N/A								
BRANCH BREAKERS																		
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A	B	C	CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE				
	R: OUTLETS	20 A	1	CO	1	900 VA	280 VA		2	L	1	20 A	L: INTERIOR LIGHTING					
	M: UH-1	20 A	2	M	3		1500 VA	54 VA	4	L	1	20 A	L: EXTERIOR LIGHTING					
--		--	--	--	5			1500 VA	360 VA	6	E	1	20 A	E: TELEMETRY PANEL				
	M: EF-1	20 A	1	M	7	71 VA	750 VA		8	E	1	20 A	E: VALVES AND SENSORS					
	M:LV-1	20 A	1	M	9		696 VA	0 VA	10	--	1	20 A	-SPARE-					
	-SPARE-	20 A	1	--	11			0 VA	12	--	1	20 A	-SPARE-					
	-SPARE-	20 A	1	--	13	0 VA	0 VA		14	--	1	20 A	-SPARE-					
	-SPARE-	20 A	1	--	15		0 VA	0 VA	16	--	1	20 A	-SPARE-					
	-SPARE-	20 A	1	--	17			0 VA	18	--	1	20 A	-SPARE-					
	-SPACE ONLY-	--	1	--	19	--	--		20	--	1	--	-SPACE ONLY-					
	-SPACE ONLY-	--	1	--	21		--	--	22	--	1	--	-SPACE ONLY-					
	-SPACE ONLY-	--	1	--	23			--	24	--	1	--	-SPACE ONLY-					
TOTAL CONNECTED LOAD PER PHASE (VA)						2001 VA	2250 VA	1860 VA										
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						17 A	19 A	16 A										
LOAD CLASSIFICATION						CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS									
EQUIPMENT						1110 VA	100.00%	1110 VA										
LIGHTING						334 VA	125.00%	418 VA	Total Conn. Load: 6111 VA									
Motor						3767 VA	119.91%	4517 VA	25% OF LARGEST MOTOR:									
RECEPTACLE						900 VA	100.00%	900 VA	Total Est. Demand: 6945 VA									
									Total Conn. Current: 17 A									
									Total Est. Demand Current: 19 A									

PANELBOARD SCHEDULE

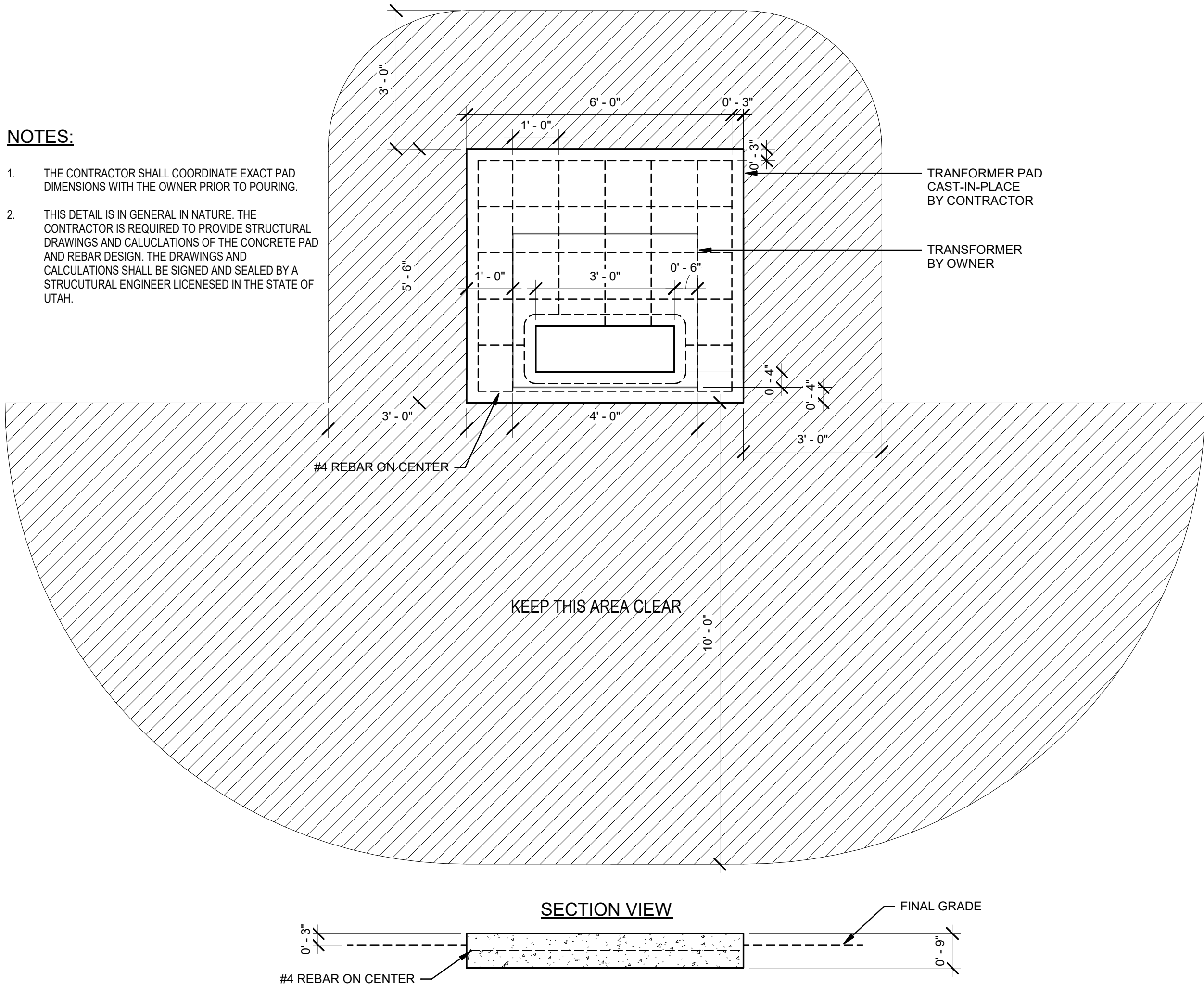
<

DATE: 3/15/2024 11:03 AM

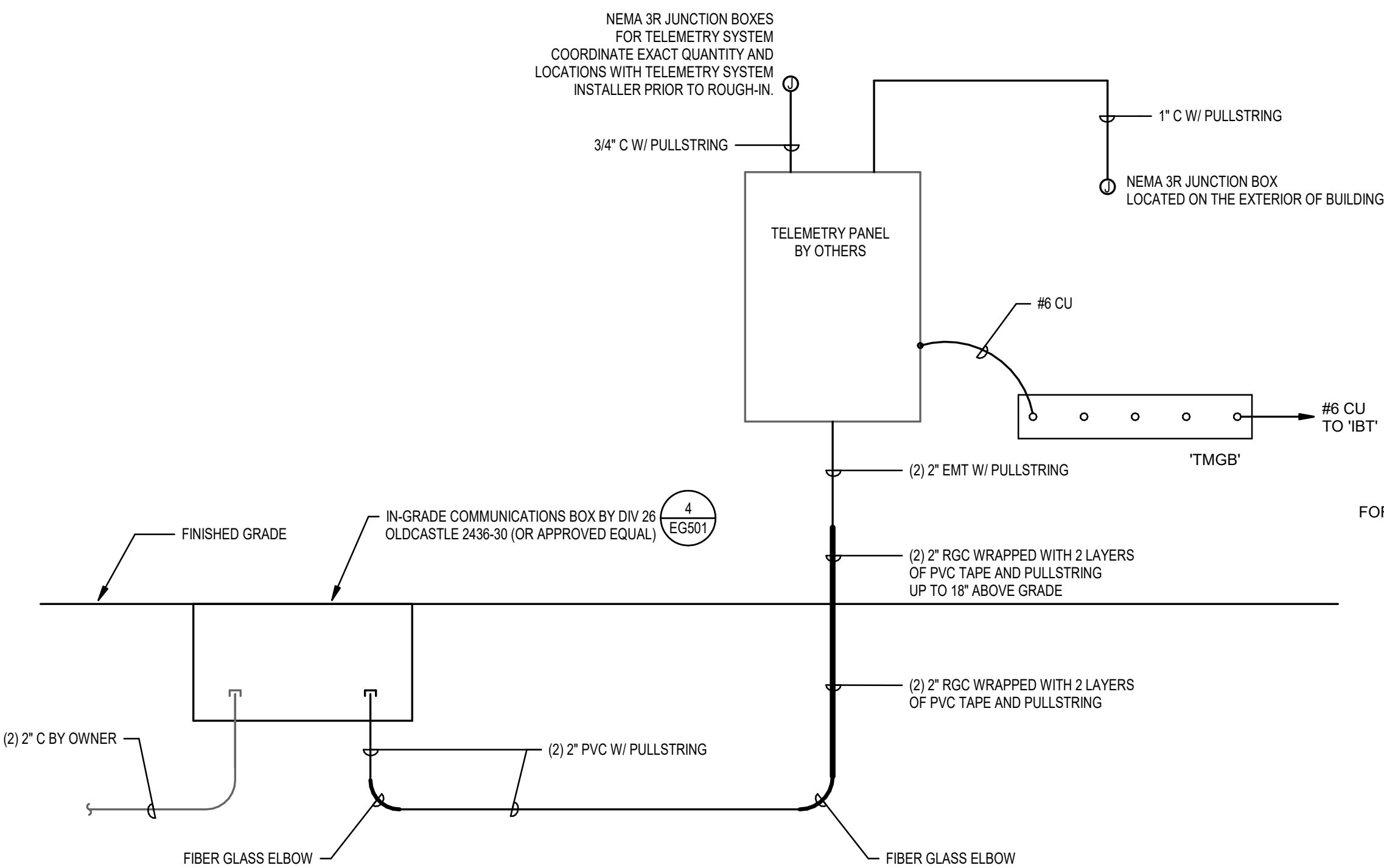
Path: P:\24\2024-102-00 - Snowbasin Legend Well House\01_Riser\02_Fiber\03_EP701.dwg

NOTES:

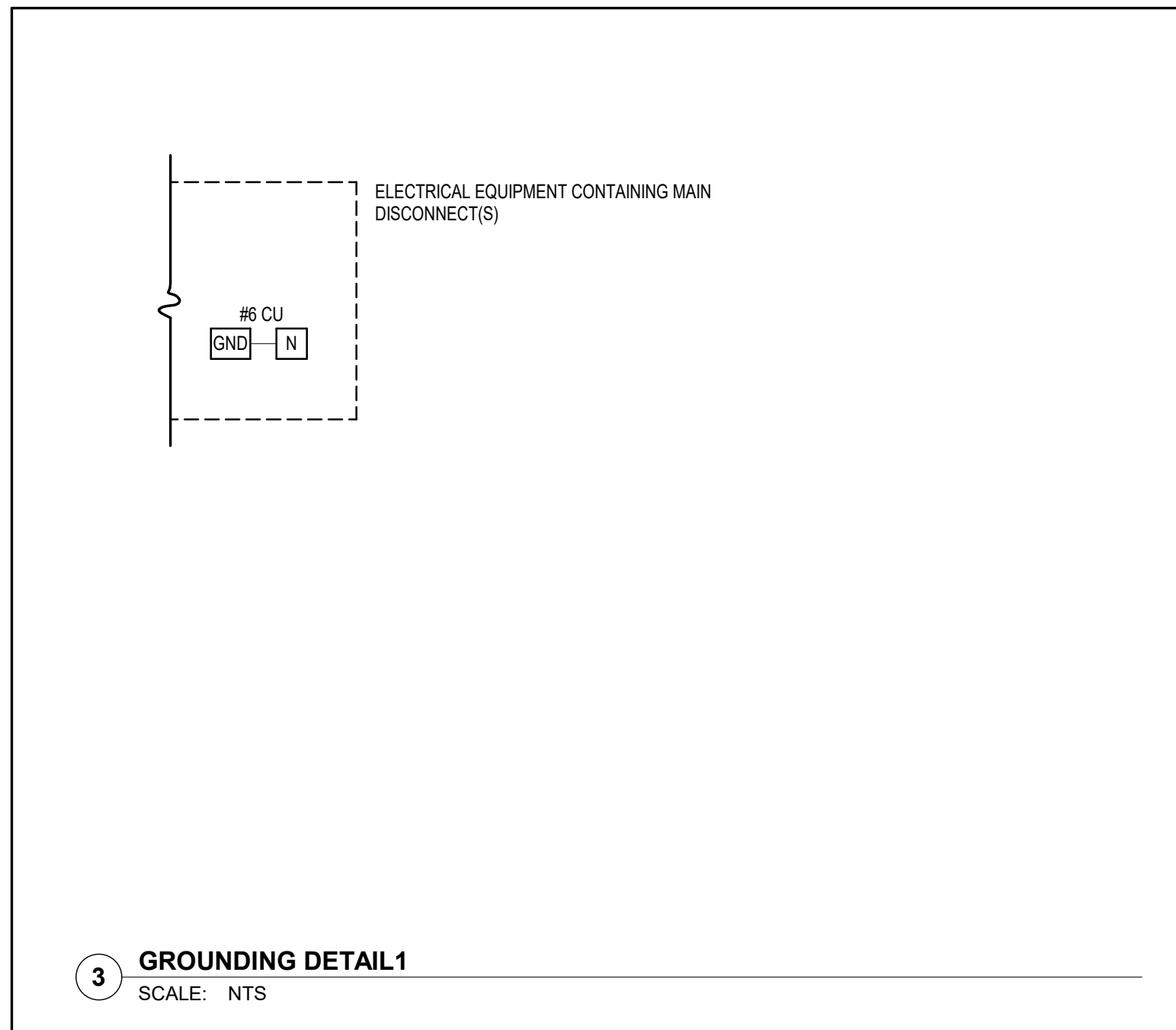
- THE CONTRACTOR SHALL COORDINATE EXACT PAD DIMENSIONS WITH THE OWNER PRIOR TO POURING.
- THIS DETAIL IS IN GENERAL IN NATURE. THE CONTRACTOR IS REQUIRED TO PROVIDE STRUCTURAL DRAWINGS AND CALCULATIONS OF THE CONCRETE PAD AND REBAR DESIGN. THE DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH.



4 TRANSFORMER PAD DETAIL
SCALE: NTS

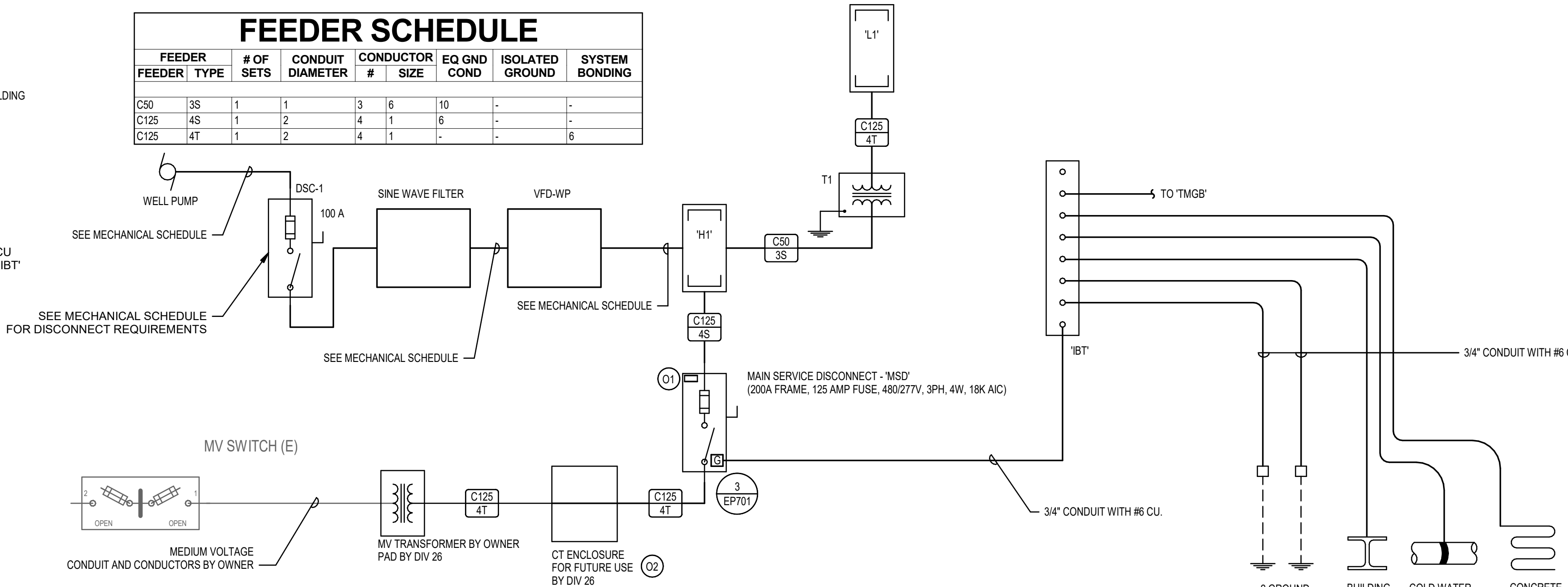


2 FIBER OPTIC RISER DIAGRAM
SCALE: NTS



3 GROUNDING DETAIL1
SCALE: NTS

FEEDER SCHEDULE								
FEEDER	TYPE	# OF SETS	CONDUIT DIAMETER	CONDUCTOR #	CONDUCTOR SIZE	EQ GND COND	ISOLATED GROUND	SYSTEM BONDING
C50	3S	1	1	3	6	10	-	-
C125	4S	1	2	4	1	6	-	-
C125	4T	1	2	4	1	-	-	6



1 PUMP HOUSE ONE-LINE DIAGRAM
SCALE: NTS

GENERAL ONE-LINE NOTES:

- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE OWNER PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATING ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWINGS SUBMITTAL.
- PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND PANELBOARDS.
- COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.

FAULT CURRENT AND ARC FLASH REQUIREMENTS:

- CONTRACTOR SHALL PROVIDE ALL OF THE FOLLOWING FOR NORMAL POWER SYSTEMS:
 - FAULT CURRENT ANALYSIS.
 - SELECTIVE COORDINATION TO THE GREATEST EXTENT POSSIBLE.
 - ARC-FLASH STUDY.
- A FAULT CURRENT COORDINATION STUDY SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. NO ELECTRICAL EQUIPMENT SUBMITTAL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SUBMITTING THE PRELIMINARY STUDY. THE STUDY SHALL BE SUBMITTED FOR REVIEW BY THE ELECTRICAL ENGINEER AND OWNER TO ENSURE CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL THE STUDY HAS BEEN REVIEWED AND APPROVED.
- AT THE END OF THE PROJECT A COMPLETE FAULT CURRENT AND ARC-FLASH STUDY SHALL BE SUBMITTED FOR REVIEW. NO ARC FLASH LABELS SHALL BE APPLIED TO ANY EQUIPMENT UNTIL THE STUDY IS REVIEWED AND ACCEPTED.

FEEDER GENERAL NOTES:

- CONTRACTOR SHALL REVIEW ONE-LINE DIAGRAM AND CONFIRM FEEDER WIRE SIZES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID. IF DISCREPANCIES EXIST, CONTRACTOR SHALL PROVIDE CORRECT WIRE SIZE BASED ON ACTUAL BREAKER SIZE AND ANY VOLTAGE DROP ADJUSTMENTS. SEE NEC 210.19, 215.2, 250.112, AND 310.15.
- ALL GROUNDING WIRES SHOWN IN FEEDER SCHEDULE ARE COPPER WIRES.
- ALL SYSTEM BONDING JUMPER CONDUCTORS SHOWN ARE TO BE RUN IN EACH PARALLEL FEEDER SET

KEYED NOTES

- PROVIDE PERMANENT LABEL ON MAIN SERVICE EQUIPMENT. LABEL SHALL READ "MAXIMUM CALCULATED FAULT CURRENT OF / / A AS CALCULATED ON / / ". CALCULATED FAULT CURRENT TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A LOCKABLE CT CABINET EUSERC 318 FOR FUTURE USE. THIS BOX IS TO BE UTILIZED AS A PULLBOX.

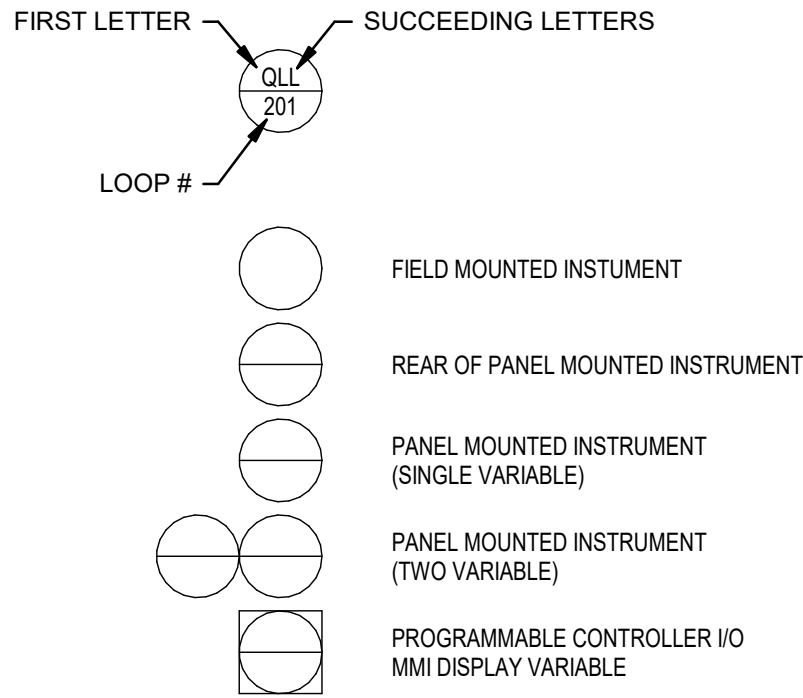
DATE: 3/15/2024 11:03 AM

PA74a_P:\24\2024-102.00 - Snowbasin Legend Well House\01_Dwg\02_References\01_RevA\08-TC- Illustration.dwg

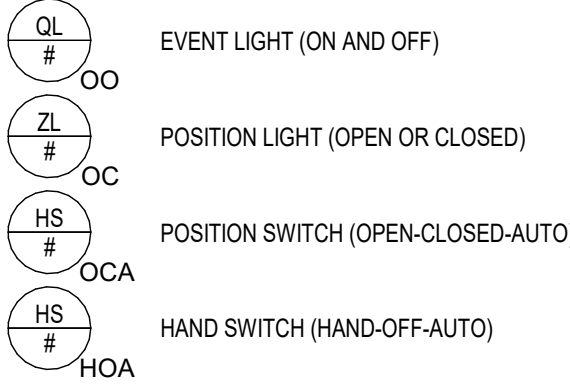
NOTES:

THE INFORMATION PROVIDED ON THIS SHEET HAS BEEN BASED ON INFORMATION PROVIDED BY OTHERS AND IS SCHEMATIC IN NATURE AND IS ONLY INTENDED AS A REFERENCE. THE PROJECT SHALL BE REQUIRED TO PROVIDE ALL SENSORS, RELAYS, TRANSDUCERS, CONDUIT, AND LINE AND LOW VOLTAGE CABLING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. THE CONTRACTOR SHALL PROVIDED A DETAILED CONTROLS WIRING DIAGRAM SIMILAR TO WHAT IS SHOWN ON THIS SHEET, SHOWING ALL DEVICES, CABLING, INTERCONNECTIONS AND CONTROL POINTS.

INSTRUMENT IDENTIFICATION



SPECIAL CASES



LINE TYPE LEGEND	
SYMBOL	DESCRIPTION
	WATER LINE
	LINE VOLTAGE BRANCH CIRCUIT
	3/4" CONDUIT WITH LOW-VOLTAGE CABLING - ANALOG SIGNAL
	3/4" CONDUIT WITH LOW-VOLTAGE CABLING - BINARY SIGNAL

FIRST LETTER		SUCCEEDING LETTERS		
MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A ANALYSIS		ALARM	USERS CHOICE	USERS CHOICE
B BURNER FLAME		USERS CHOICE	CONTROL	
C CONDUCTIVITY (ELECT.)				
D DENSITY, SPECIFIC GRAVITY	DIFFERENTIAL	PRIMARY ELEMNTN		
E VOLTAGE (EMF)				
F FLOW RATE	RATIO (FRACTIONAL)			
G GAGING (DIMENSIONAL)		GLASS		
H HAND (MANUAL OPERATED)				HIGH
I CURRENT (ELECTRICAL)		INDICATE		
J POWER	SCAN			
K TIME OR TIME SCHEDULE			CONTROL STATION	
L LEVEL		LIGHT (PILOT)		LOW
M MOISTURE OR HUMIDITY				MIDDLE, INTER
N USERS CHOICE		USERS CHOICE	USERS CHOICE	USERS CHOICE
O USERS CHOICE		ORIFICE (RESTRICT)		
P PRESSURE OR VACUUM		POINT (TEST CONN.)		
Q QUANTITY OR EVENT	INTEGRATE			
R RADIOACTIVITY		RECORD OR PRINT		
S SPEED OR FREQUENCY	SAFETY		SWITCH	
T TEMPERATURE			TRANSMIT	
U MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V VISCOSITY			VALVE, DAMPER, LOUVER	
W WEIGHT OR FORCE		WELL		
X USER DEFINED				
Y USER DEFINED			DRIVE, ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	
Z POSITION				

* WHEN USER'S CHOICE IS USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL

