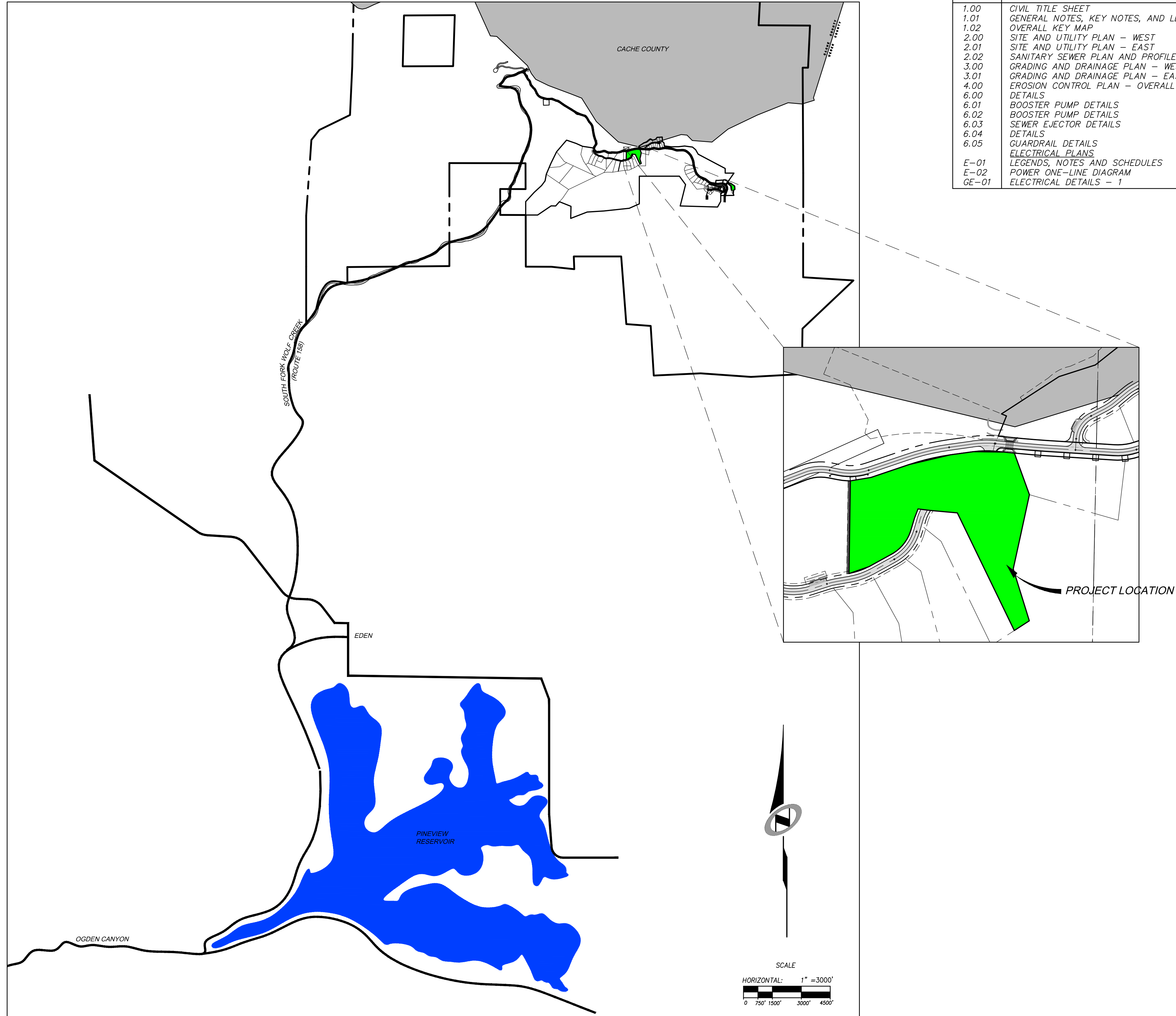


HORIZON NEIGHBORHOOD PRUD AT SUMMIT POWDER MOUNTAIN CONSTRUCTION DRAWINGS

Located in Sec 08 T7N R2E
Weber County, Utah

DATE: 6/27/17 TIME: 11:20:06 AM DRAWING NAME: 100 - CIVIL TITLE SHEETING
SERVER: NONE PAGE SETUP: P:\15-030-24-08 LAYOUT: LAYOUT1
PATH: N:\SLB0793\CADD\HORIZON VILLAGE VP DESIGNER: JMM PROJ. NO: ###

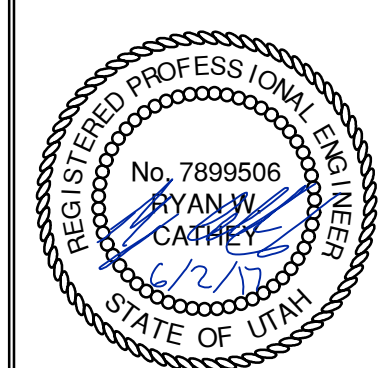


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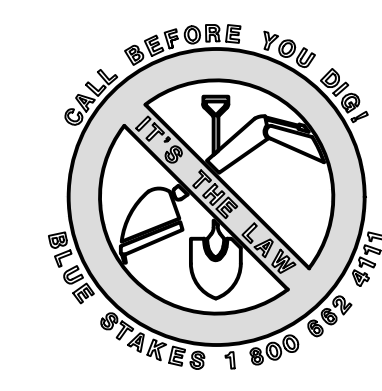
SHEET NO.	SHEET DESCRIPTION
1.00	CIVIL TITLE SHEET
1.01	GENERAL NOTES, KEY NOTES, AND LEGEND
1.02	OVERALL KEY MAP
2.00	SITE AND UTILITY PLAN - WEST
2.01	SITE AND UTILITY PLAN - EAST
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	ELECTRICAL DETAILS - 1

HORIZON NEIGHBORHOOD PRUD
CIVIL TITLE SHEET

TALISMAN
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MURRAY, UT 84407
6217 SOUTH STATE STREET, SUITE 200
801743.8000 TEL. 801743.0900 FAX



SHEET NUMBER
1.00
SCALE
VERTICAL: 1" = N/A
HORIZONTAL: 1" = 3000'
JOB NUMBER
SLB0793



DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

NO.	BY	DATE	REVISIONS

CAUTION
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

JAMES B. XREES:

DATE: 6/2/17 TIME: 11:19:40 AM DRAWING: GENERAL NOTES, KEY NOTES, AND LEGEND LAYOUT: 150001
SERVER: NONE MAKE SETUP: PLOT: 030-2438
PLOT: N:\S\B0793\CAD\HORIZON VILLAGE VP DESIGNED: JHM PROJ. MGR: JHM

GENERAL NOTES

- 1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: GOVERNING UTILITY MUNICIPALITY, GOVERNING CITY OR COUNTY (IF UN-INCORPORATED), INDIVIDUAL PRODUCT MANUFACTURERS, THE DESIGN ENGINEER, AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA). THE ORDER LISTED ABOVE IS ARRANGED BY SENIORITY. IF A CONSTRUCTION PRACTICE IS NOT SPECIFIED BY ANY OF THE LISTED SOURCES, CONTRACTOR MUST CONTACT DESIGN ENGINEER FOR DIRECTION.
- 2. CONTRACTOR TO STRICTLY FOLLOW GEOTECHNICAL RECOMMENDATIONS FOR THIS PROJECT. ALL GRADING INCLUDING BUT NOT LIMITED TO CUT, FILL, COMPACTION, ASPHALT SECTION, SUBBASE, TRENCH EXCAVATION/BACKFILL, SITE GRUBBING, RETAINING WALLS AND FOOTINGS MUST BE COORDINATED DIRECTLY WITH THE PROJECT GEOTECHNICAL ENGINEER.
- 3. TRAFFIC CONTROL, STRIPING & SIGNAGE TO CONFORM TO CURRENT UDOT TRANSPORTATION ENGINEER'S MANUAL AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 4. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
- 5. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- 6. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ADJUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
- 7. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES.
- 8. 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 APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- 9. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
- 10. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD, INCLUDING OBTAINING REQUIRED INSPECTIONS.
- 11. 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.
- 12. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND.
- 13. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL ENGINEER.
- 14. CATCH SLOPES SHALL BE GRADED AS SPECIFIED ON GRADING PLANS.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLAGGING, CAUTION SIGNS, LIGHTS, BARRICADES, FLAGMEN, AND ALL OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- 16. 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 TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- 17. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY HIMSELF BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS HE 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 HIS EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO HIM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, HE SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING HIS BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, HE HAS RELIED AND IS RELYING ON HIS 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 HIS 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 OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT HE HAS NOT RELIED SOLELY UPON OWNER- OR ENGINEER-FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING HIS BID.
- 18. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
- 19. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND/OR GOVERNING AGENCIES.
- 20. 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.
- 21. 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 RESPONSIBILITY 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 SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 22. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY 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.
- 23. 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.
- 24. WHENEVER EXISTING FACILITIES ARE REMOVED, 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.
- 25. 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 OF THE PROJECT, THE CONTRACTOR SHALL 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.
- 26. 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 FIRST QUALITY ARE TO BE USED.

GENERAL NOTES CONT.

- 27. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED 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 SPECIAL SKILLS IN 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.
- 28. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STRIPING AND/OR PAVEMENT MARKINGS NECESSARY TO TIE EXISTING STRIPING INTO FUTURE STRIPING. METHOD OF REMOVAL SHALL BE BY GRINDING OR SANDBLASTING.
- 29. CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN 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.
- 30. ALL EXISTING GATES AND FENCES TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL GATES AND FENCES FROM DAMAGE.

UTILITY NOTES

- 1. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE SERVICE, GAS SERVICE, CABLE, POWER, INTERNET.
- 2. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING A COMBINATION OF ON-SITE SURVEYS (BY OTHERS). 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 11-800-662-4111 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.
- 3. CONTRACTOR SHALL NOT 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.
- 4. 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 HIS EXPENSE.
- 5. ALL VALVES AND MANHOLE COVERS SHALL BE RAISED OR LOWERED TO MEET FINISHED GRADE.
- 6. CONTRACTOR SHALL CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE.
- 7. CONTRACTOR SHALL GROUT AT CONNECTION OF PIPE TO BOX WITH NON-SHRINKING GROUT, INCLUDING PIPE VOIDS LEFT BY CUTTING PROCESS, TO A SMOOTH FINISH.
- 8. CONTRACTOR SHALL GROUT WITH NON-SHRINK GROUT BETWEEN GRADE RINGS AND BETWEEN BOTTOM OF INLET LID FRAME AND TOP OF CONCRETE BOX.
- 9. 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.
- 10. CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE LIDS AND INLET GRATINGS TO ALLOW ACCESS.
- 11. 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 WORKMEN MAY WORK SAFELY AND EFFICIENTLY. ALL TRENCHES SHALL BE DRAINED 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.
- 12. 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.
- 13. MAINTAIN A MINIMUM 18" VERTICAL SEPARATION DISTANCE BETWEEN ALL UTILITY CROSSINGS.
- 14. CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES.
- 15. ALL BOLTED FITTINGS MUST BE GREASED AND WRAPPED.
- 16. UNLESS SPECIFICALLY NOTED OTHERWISE, MAINTAIN AT LEAST 2 FEET OF COVER OVER ALL STORM DRAIN LINES AT ALL TIMES (INCLUDING DURING CONSTRUCTION).
- 17. ALL WATER LINES SHALL BE INSTALLED A MINIMUM OF 60" OF COVER TO TOP OF PIPE BELOW FINISHED GRADE.
- 18. ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM SEPARATION OF 10 FEET, PIPE EDGE TO PIPE EDGE, FROM THE WATER LINES.
- 19. CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS AND TEES.
- 20. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK AND STREET PAVING.
- 21. CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL NONMETALLIC PIPE.
- 22. THE CONTRACTOR SHALL NOTIFY NOLTE ASSOCIATES, INC. IN WRITING AT LEAST 48 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH THE REGULATORY AGENCY STANDARD SPECIFICATIONS.
- 23. UNDER NO CIRCUMSTANCE SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH

EROSION CONTROL GENERAL NOTES:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTIES. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER. CONSTRUCTION WATER COST TO BE INCLUDED IN BID.

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

LEGEND:

SYMBOL / LINETYPE	DESCRIPTION	DETAIL
8" W	8" C-900 PVC WATER PIPE (UNLESS NOTED OTHERWISE)	APWA PLAN NO. 381,382
6" W	6" DR7.3 HDPE PIPE (UNLESS NOTED OTHERWISE)	APWA PLAN NO. 521
W	PROPOSED WATER METER	APWA PLAN NO. 552 AND DETAIL D, SHEET 6.00
8" SS	8" SDR35 PVC SEWER PIPE	APWA PLAN NO. 381,382
(1)SS-P	1.5" PRESSURE SEWER PIPE- DR-11 IPS	APWA PLAN NO. 381,382
SS	4" SANITARY SEWER LATERAL	APWA PLAN NO. 431 AND DETAIL D, SHEET 6.00
G	PROPOSED GAS MAIN	
G	PROPOSED GAS METER	
P	PROPOSED GAS LATERAL	
P	PROPOSED ELECTRICAL CONDUIT	
+	PROPOSED FIRE HYDRANT ASSEMBLY/STAND PIPE	APWA PLAN NO. 511
+	PROPOSED SEWER CLEANOUT	
+	PROPOSED SEWER MANHOLE	
	PROPOSED PAVEMENT SECTION	APWA PLAN NO. 315
	ADJOINING PROPERTY BOUNDARY	PER IGES GEOTECH REPORT 11/09/12
	FUTURE IMPROVEMENTS	
	PROPOSED LOT LINE	
6" W	PROPOSED 6" WATER PIPE	
SS	PROPOSED SEWER PIPE	
---	PROPOSED EDGE OF TRAVEL	
COM	PROPOSED COMMUNICATION LINE	
10" W	EXISTING 10" WATER PIPE	
P	EXISTING ELECTRICAL CONDUIT	

NOTE: LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN PLAN SET.

EROSION CONTROL GENERAL NOTES:

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THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS.

THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF INTENT" WITH THE UTAH DIVISION OF WATER QUALITY.

MAINTENANCE:

ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL VEGETATION IS RE-ESTABLISHED.

THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

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.

SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN THE END OF THE NORMAL WORK DAY. THE CLEAN UP WILL INCLUDE SWEEPING OF THE TRACKED MATERIAL, PICKING IT UP, AND DEPOSITING IT TO A CONTAINED AREA.

EXPOSED SLOPES:

ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:

- A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED
 - B) TRACKING STRAW PERPENDICULAR TO SLOPES
 - C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET
- * SEED MIXTURE FOR REVEGETATION
- a. MEADOW BROME (RIGOR) 14lb/ac
 - b. ORCHARD GRASS 10lb/ac
 - c. ALFALFA (ADAK) 4lb/ac

WEBER COUNTY

2380 WASHINGTON BLVD. #240
OGDEN, UT 84401
(801) 399-8374

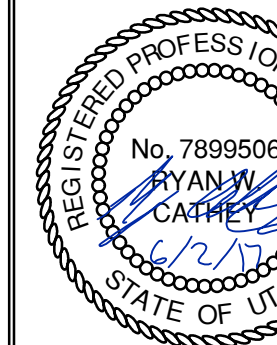
ROCKY MOUNTIAN POWER

1438 WEST 2550 SOUTH
OGDEN, UT 84401
(801) 629-4429

POWDER MOUNTAIN WATER & SEWER DISTRICT

PO BOX 270
EDEN, UT 84310
(801) 745-0912

HORIZON NEIGHBORHOOD PRUD
GENERAL NOTES, KEY NOTES, AND LEGEND



SHEET NUMBER
1.01

SCALE
VERTICAL: 1"= N/A
HORIZONTAL: 1"= N/A

JOB NUMBER
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CAUTION
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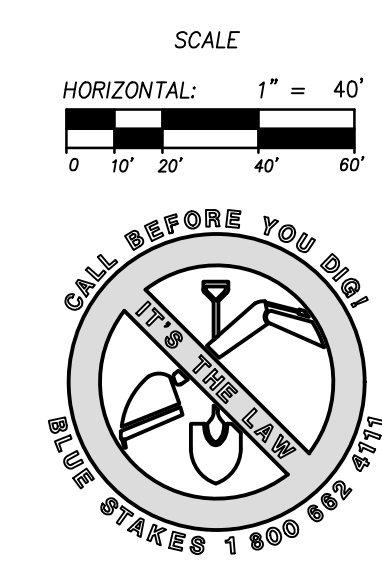
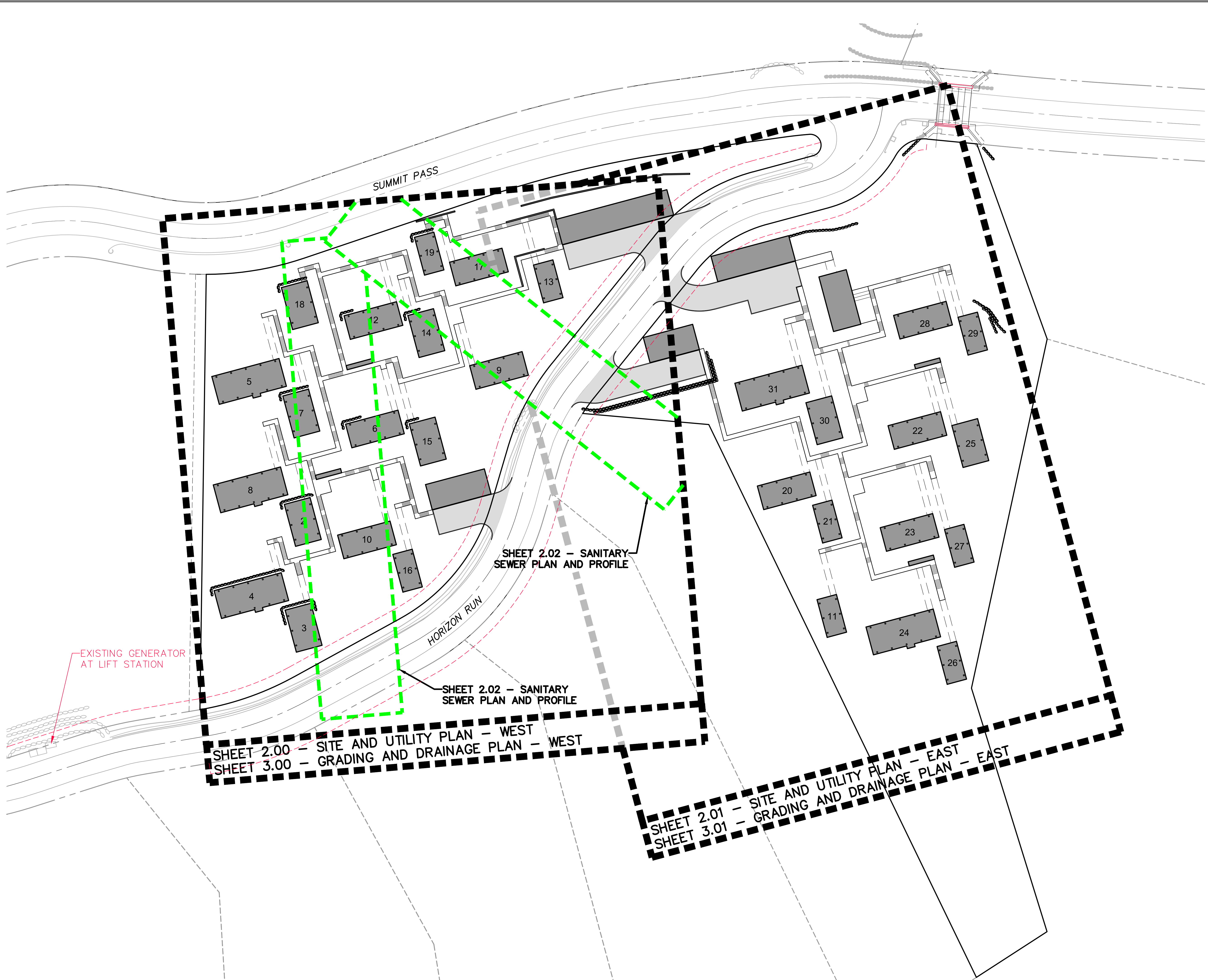
DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407

6217 SOUTH STATE STREET, SUITE 200
8017431800 TEL. 8017430800 FAX



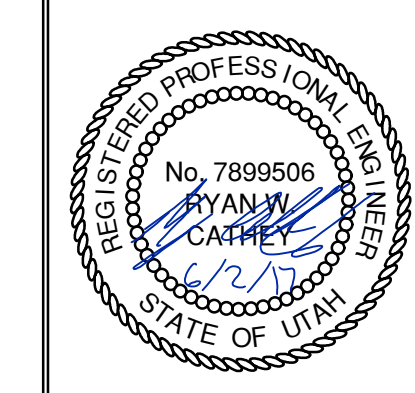


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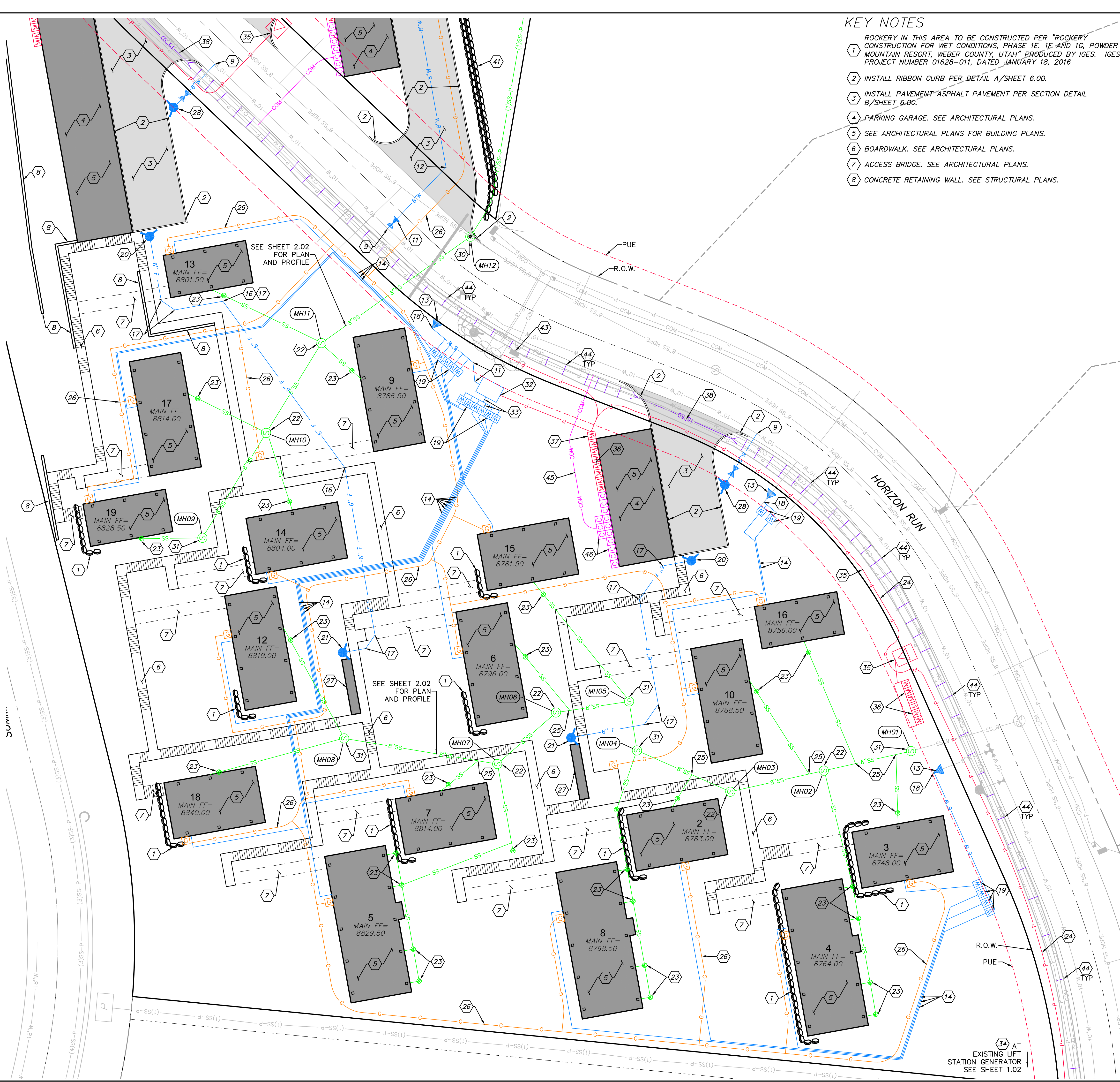
HORIZON NEIGHBORHOOD PRUD
OVERALL KEY MAP
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 SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 40'
 JOB NUMBER
SLB0793

DATE: 6/27/17 TIME: 11:18:49 AM DRAWING NAME: SITE AND UTILITY PLAN - WESTING LAYOUT: NONE
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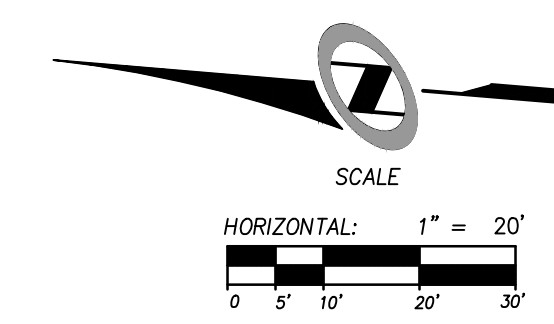
KEY NOTES

- 1 ROCKERY IN THIS AREA TO BE CONSTRUCTED PER "ROCKERY CONSTRUCTION FOR WET CONDITIONS, PHASE 1E, 1F AND 1G, POWDER MOUNTAIN RESORT, WEBER COUNTY, UTAH" PRODUCED BY IGES. IGES PROJECT NUMBER 01628-011, DATED JANUARY 18, 2016
- 2 INSTALL RIBBON CURB PER DETAIL A/SHEET 6.00.
- 3 INSTALL PAVEMENT ASPHALT PAVEMENT PER SECTION DETAIL B/SHEET 6.00.
- 4 PARKING GARAGE. SEE ARCHITECTURAL PLANS.
- 5 SEE ARCHITECTURAL PLANS FOR BUILDING PLANS.
- 6 BOARDWALK. SEE ARCHITECTURAL PLANS.
- 7 ACCESS BRIDGE. SEE ARCHITECTURAL PLANS.
- 8 CONCRETE RETAINING WALL. SEE STRUCTURAL PLANS.

KEY NOTES (CONT)

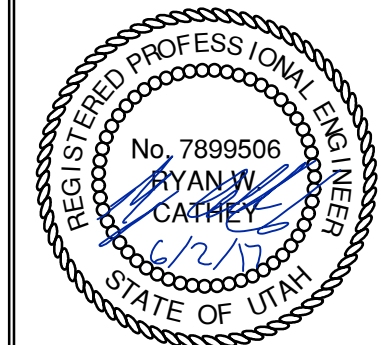
- 9 CONNECT TO WATER MAINLINE WITH 8" HOT TAP.
- 10 INSTALL 8"x6"x8" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 11 INSTALL 8" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 12 INSTALL 8" 45° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 13 CONNECT TO EXISTING 8" WATER STUB WITH 8"x6" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 14 INSTALL 1 1/2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552 AND DETAIL D, SHEET 6.00.
- 15 INSTALL 6" 11.25° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 16 INSTALL 6" 22.5° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 17 INSTALL 6" 45° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 18 INSTALL 6" 90° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 19 CONSTRUCT 1-1/2" METER PER APWA STANDARD PLAN NO. 521.
- 20 INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 21 INSTALL STAND PIPE. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 22 INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.
- 23 INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT PER APWA STANDARD PLAN NO. 431 AND DETAIL D, SHEET 6.00.
- 24 ELECTRICAL POWER CONDUIT FROM EXISTING GENERATOR AT LIFT STATION TO BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 25 WYE CONNECT TO 8" SEWER LINE.
- 26 GAS PIPES, METERS, AND STORAGE TANKS (1,000 GAL) TO BE EXCAVATED AND TRENCHED BY CONTRACTOR. INSTALLATION BY OTHERS.
- 27 FIRE CACHE. SEE ARCHITECTURAL PLANS.
- 28 INSTALL FIRE HYDRANT ASSEMBLY PER APWA STANDARD PLAN NO. 511.
- 29 PROPANE TANK PIT PER DETAIL C/SHEET 6.00.
- 30 INSTALL 5" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- 31 INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- 32 INSTALL BOOSTER PUMP VAULT PER DETAIL A, SHEET 6.02.
- 33 INSTALL 2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552.
- 34 CONNECT TO EXISTING BACKUP GENERATOR. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 35 ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.
- 36 POWER METER BASE AND MAIN CIRCUIT BREAKER, SEE DETAIL X, SHEET 6.01. SEE SALMON ELECTRICAL PLANS.
- 37 BOOSTER PUMP VAULT ELECTRICAL EQUIPMENT, SEE DETAIL B, SHEET 6.02. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 38 INSTALL RCP CLASS 3 CULVERT WITH FLARED END SECTIONS TO MATCH EXISTING FLOWLINE OF DRAINAGE CHANNEL.
- 39 INSTALL E/ONE GRINDER PUMP STATION MODEL DH071. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
- 40 INSTALL E/ONE GRINDER PUMP STATION MODEL DH151. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
- 41 CONSTRUCT ROCK WALL WITH GUARDRAIL. SEE STRUCTURAL PLANS.
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- 49 8" 11.25° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

34 AT EXISTING LIFT STATION GENERATOR SEE SHEET 1.02



**HORIZON NEIGHBORHOOD PRUD
 SITE AND UTILITY PLAN - WEST**

TALISMAN
 CIVIL CONSULTANTS



SHEET NUMBER
2.00

SCALE
 VERTICAL: 1" = 20'
 HORIZONTAL: 1" = 20'

JOB NUMBER
SLB0793

DATE SUBMITTED: 06.02.17

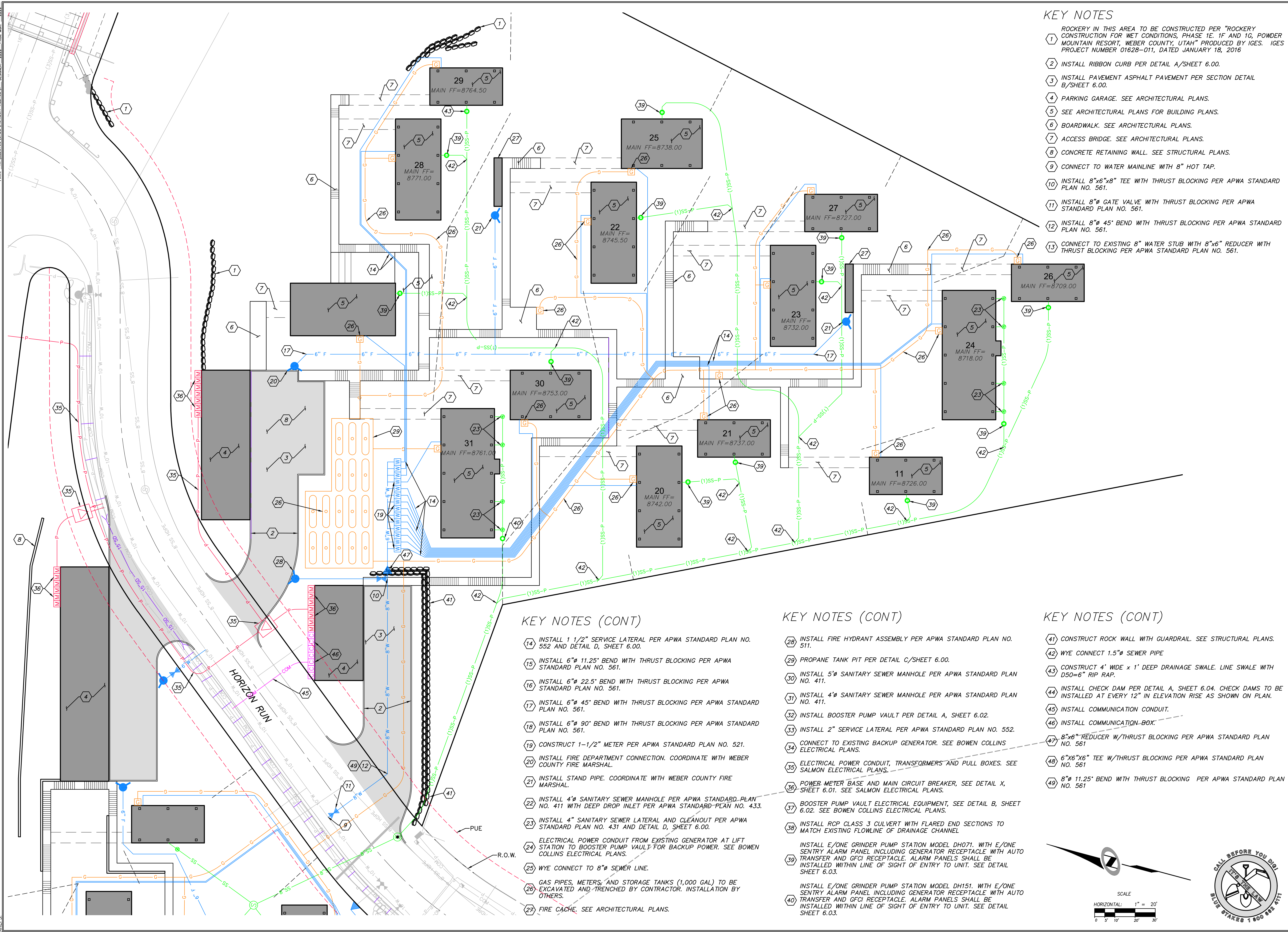
PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407

6217 SOUTH STATE STREET, SUITE 200
 801743.8800 TEL. 801743.0800 FAX

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans unless they are approved by the preparer of these plans.

DATE: 6/27/17 TIME: 11:18:18 AM DRAWING NAME: SITE AND UTILITY PLAN - EAST/DWG
 SERVER: NONE PAGE SETUP LAYOUT: LAYOUT1
 PATH: N:\SLB0793\CAD\HORIZON VILLAGE\IP DESIGNER: JMM PROJ. NO: 1717



KEY NOTES

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KEY NOTES (CONT)

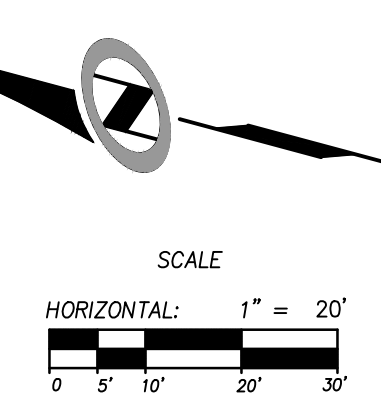
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NO.	DATE	BY	REVISIONS

**HORIZON NEIGHBORHOOD PRUD
 SITE AND UTILITY PLAN - EAST**

TALISMAN
 CIVIL CONSULTANTS

6217 SOUTH STATE STREET, SUITE 200
 801743-8800 TEL. 801743-0800 FAX

MURRAY, UT 84407

SHEET NUMBER
2.01

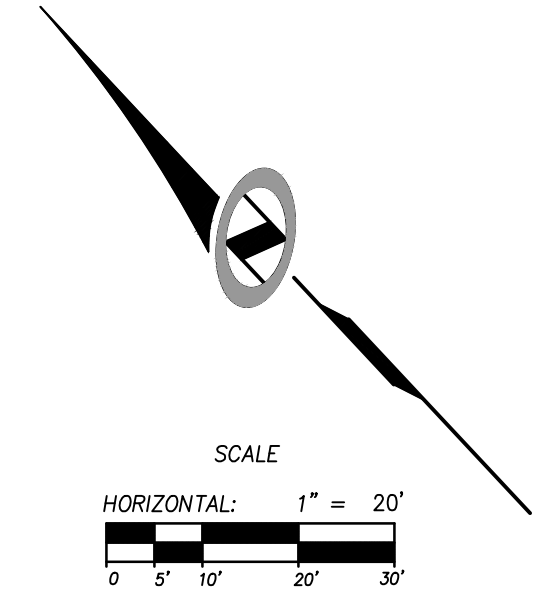
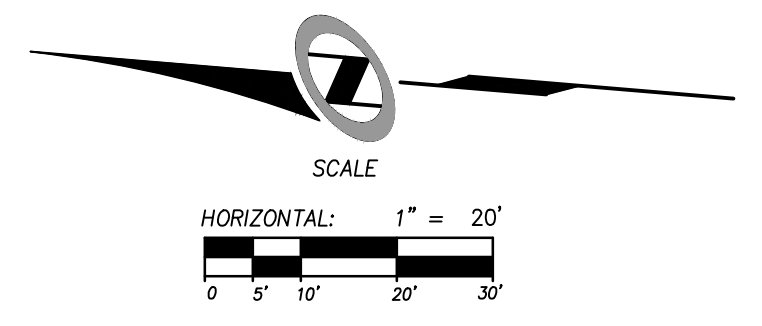
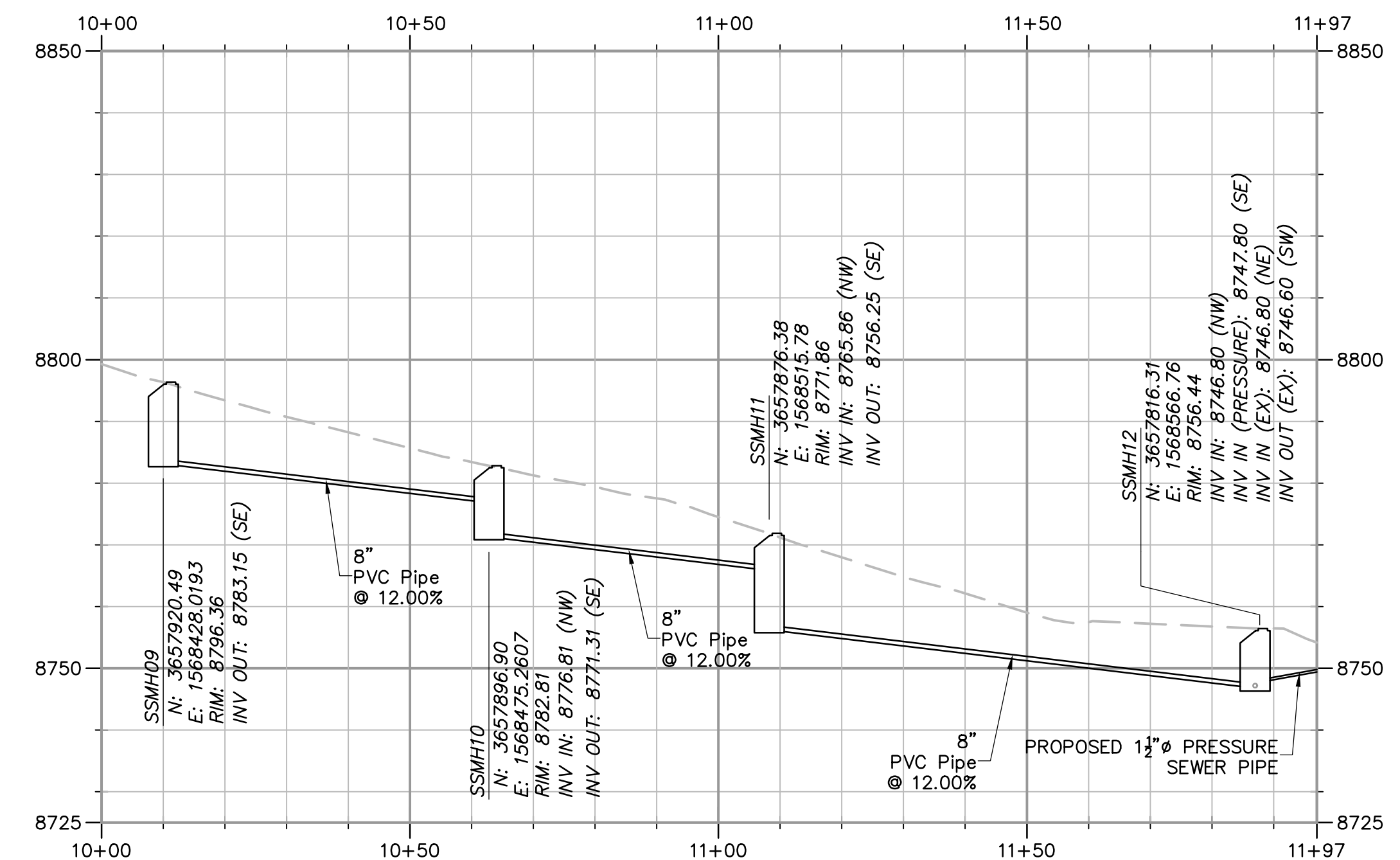
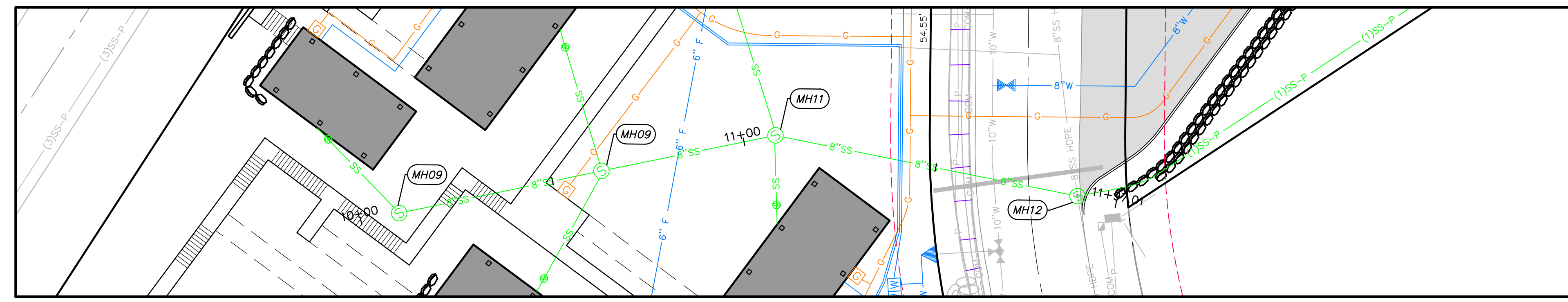
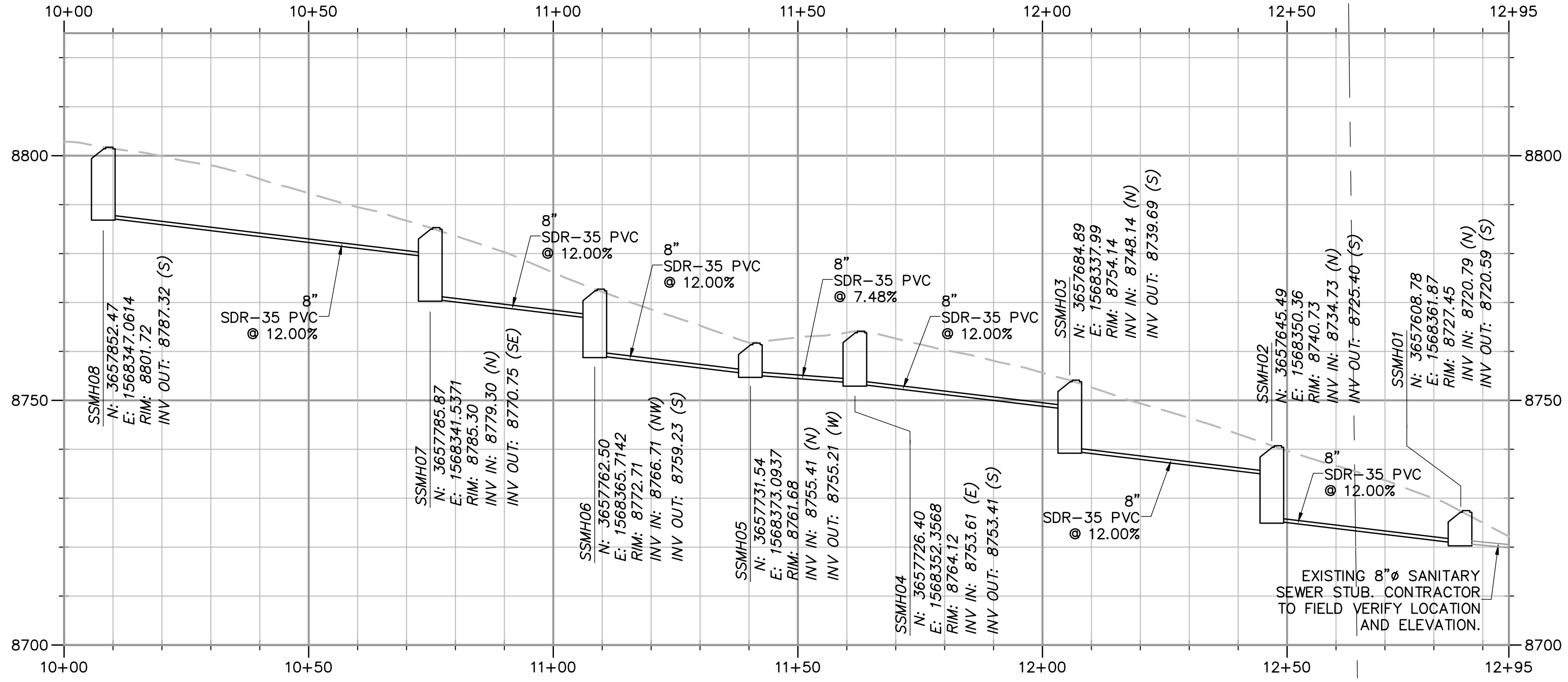
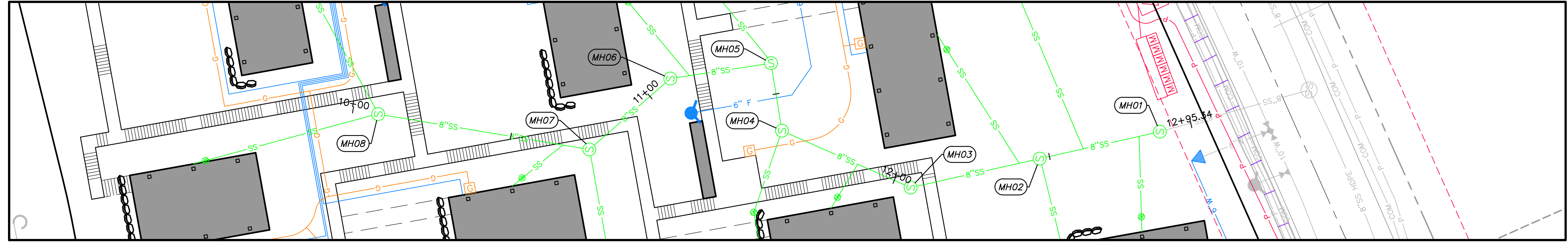
SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 20'

JOB NUMBER
SLB0793

DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans unless they are specifically approved by the engineer.

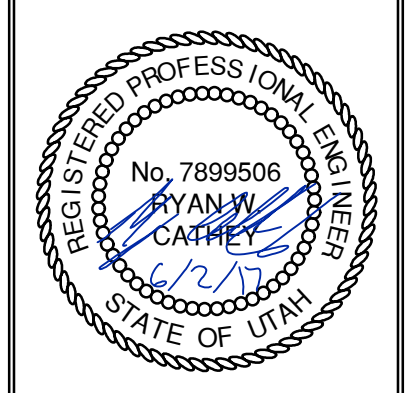


NO.	DATE	BY	REVISIONS

HORIZON NEIGHBORHOOD PRUD SANITARY SEWER PLAN AND PROFILE



6217 SOUTH STATE STREET, SUITE 200
 MURRAY, UT 84407
 801.743.8800 TEL. 801.743.0800 FAX



SHEET NUMBER	2.02
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = 20'
JOB NUMBER	SLB0793

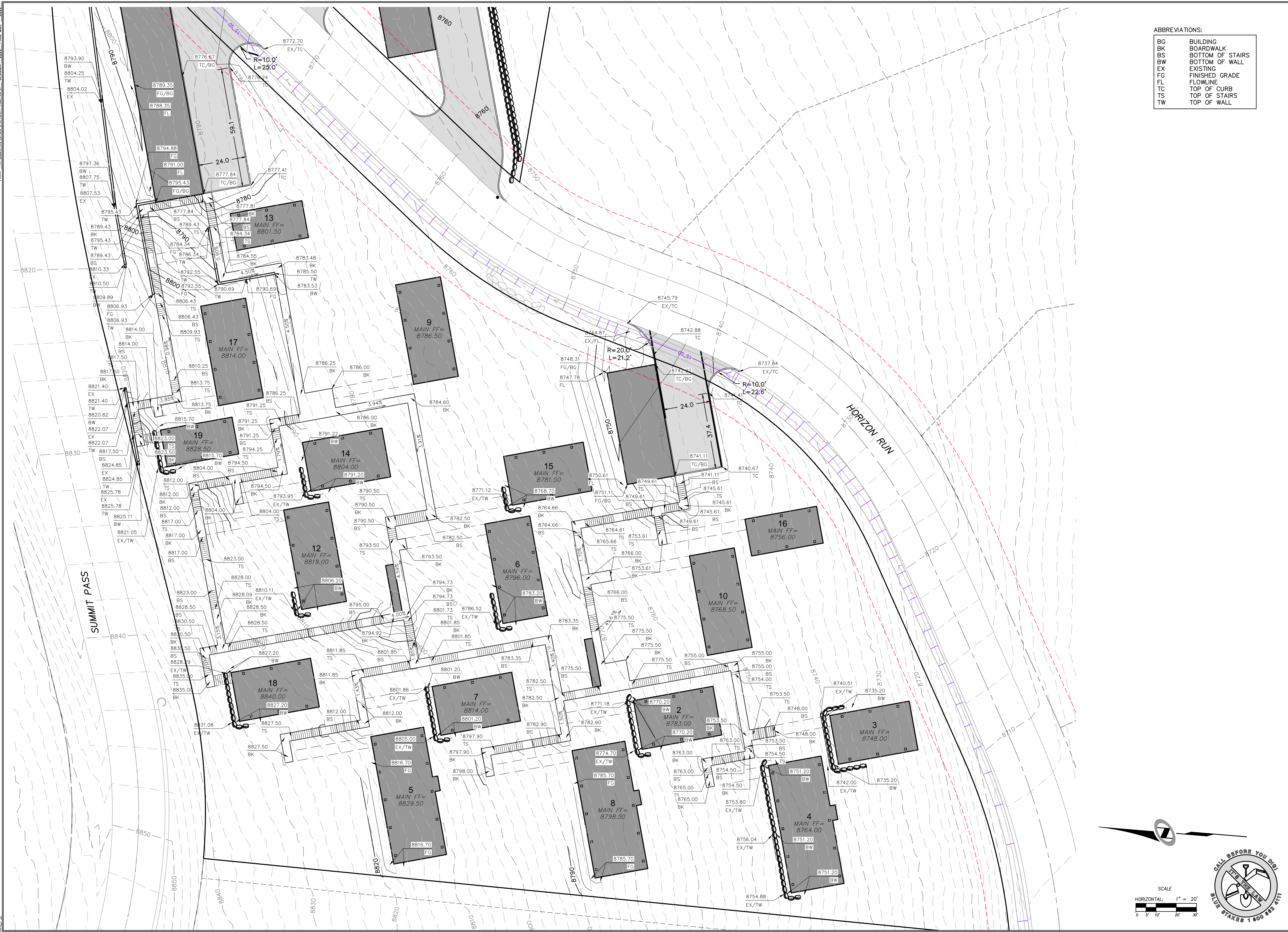
DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.

DATE: 6/2/17 TIME: 11:15:54 AM DRAWING: GRADING AND DRAINAGE PLAN - WEST.DWG
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JAMES B. XREES

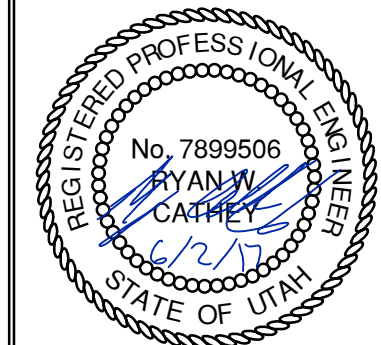


ABBREVIATIONS:

BC	BUILDING
BK	BOARDWALK
BS	BOTTOM OF STAIRS
BW	BOTTOM OF WALL
EX	EXISTING
FG	FINISHED GRADE
FL	FLOWLINE
TC	TOP OF CURB
TS	TOP OF STAIRS
TW	TOP OF WALL

HORIZON NEIGHBORHOOD PRUD GRADING AND DRAINAGE PLAN - WEST

TALISMAN
 CIVIL CONSULTANTS



SHEET NUMBER
3.00

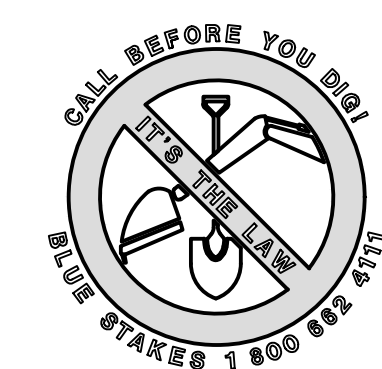
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JOB NUMBER
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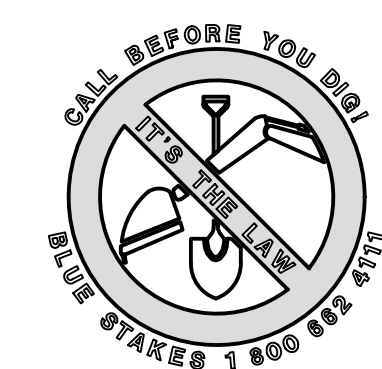
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Plans must be approved by the preparer of these plans.

PREPARED FOR: SUMMIT POWDER MOUNTAIN
 DATE SUBMITTED: 06.02.17

MURRAY, UT 84407
 637 SOUTH STATE STREET, SUITE 200
 801.743.8800 TEL. 801.743.0800 FAX



SCALE
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 20'



DATE: 6/27/17 TIME: 11:41:19 AM DRAWING: GRADING AND DRAINAGE PLAN - EAST
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JAMES B. SPRENGER
 XREFS:

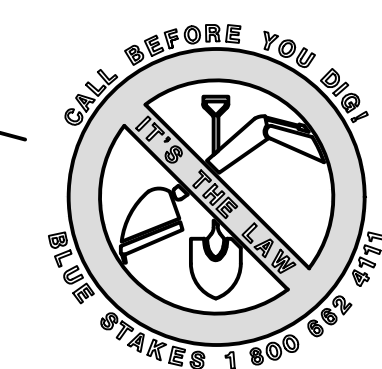
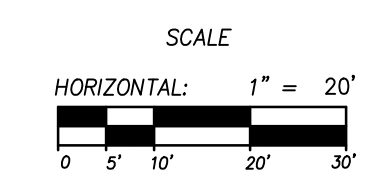
MATCHLINE - SEE THIS SHEET

ABBREVIATIONS:

BC	BUILDING
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MATCHLINE - SEE THIS SHEET

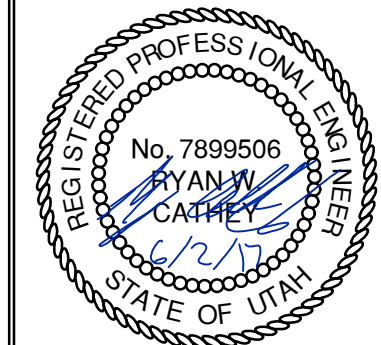


HORIZON NEIGHBORHOOD PRUD
GRADING AND DRAINAGE PLAN - EAST

TALISMAN
 CIVIL CONSULTANTS

5217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX

MURRAY, UT 84407



SHEET NUMBER	3.01
SCALE	HORIZONTAL: 1" = 20' VERTICAL: 1" = 20'
JOB NUMBER	SLB0793

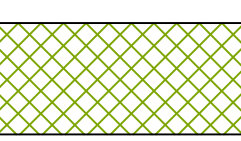
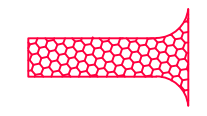


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DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN



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:

- 
 HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEED FOR NATURAL VEGETATION*. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1. RE-SEED AREA IS APPROXIMATE. CONTRACTOR IS TO REVEGITATE ALL DISTURBED AREAS.
- 
 STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.
- 
 INSTALL SILT FENCE ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- 
 INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF PROJECT PRIOR TO GRADING.

SCALE
 HORIZONTAL: 1" = 40'
 0 10' 20' 40' 60'

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 40'

BEFORE YOU DIG
 CALL 800 485 9776

NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD

EROSION CONTROL PLAN - OVERALL

TALISMAN
 CIVIL CONSULTANTS

MURRAY, UT 8407

5217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX

REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
4.00

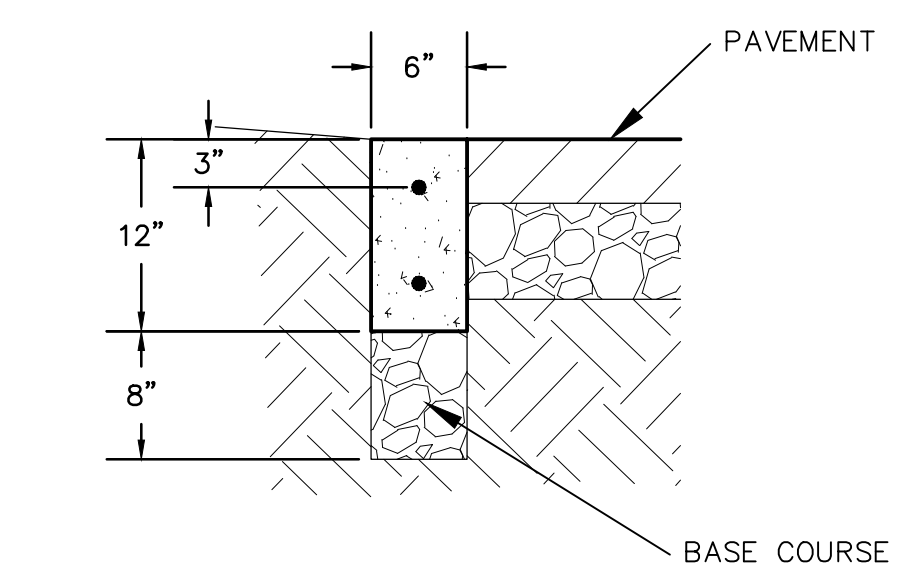
SCALE
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JOB NUMBER
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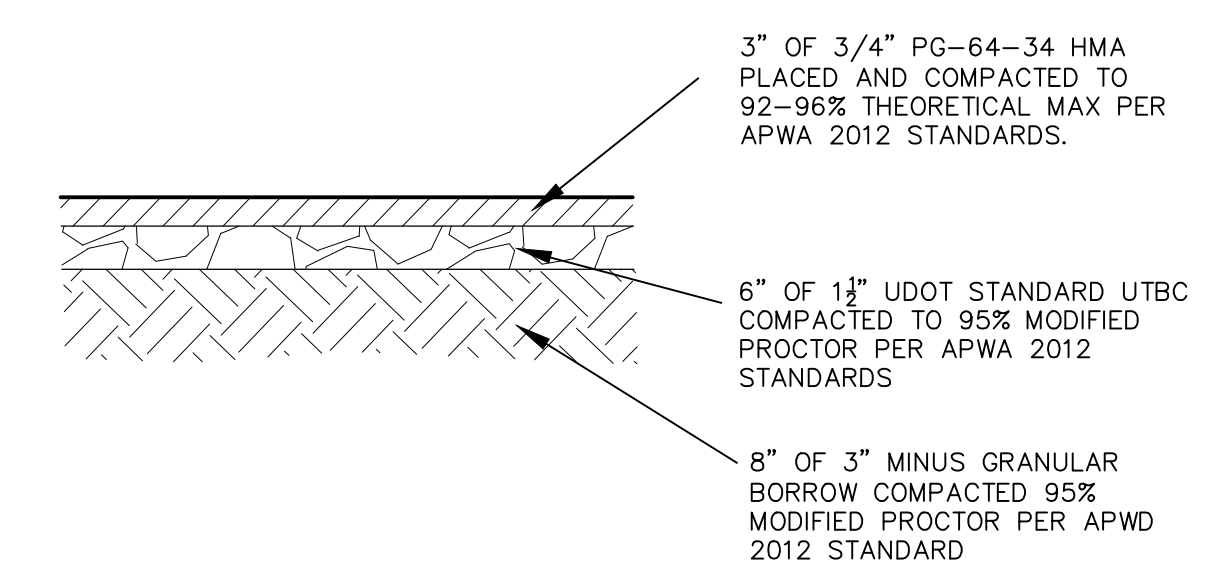
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PREPARED FOR: SUMMIT POWDER MOUNTAIN

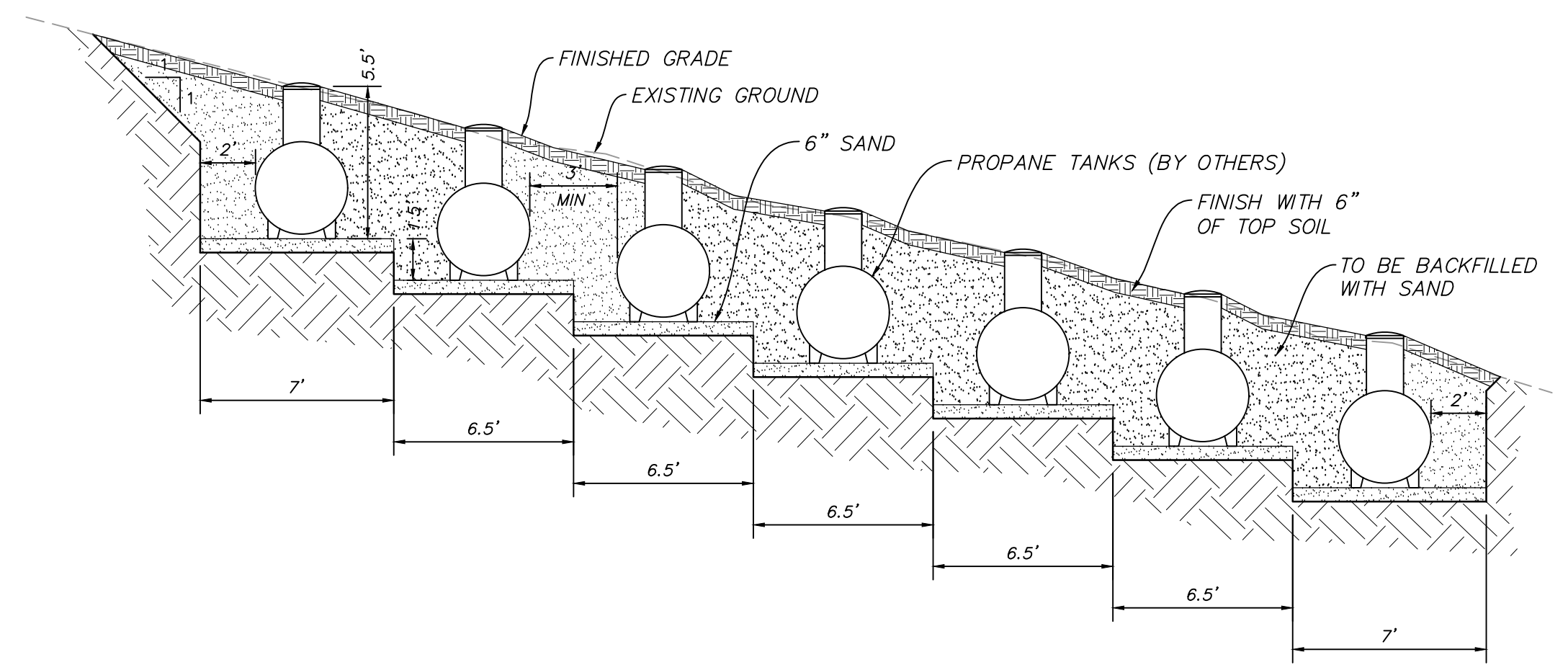
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A RIBBON CURB
 (MODIFIED TYPE P CURB)
 NTS

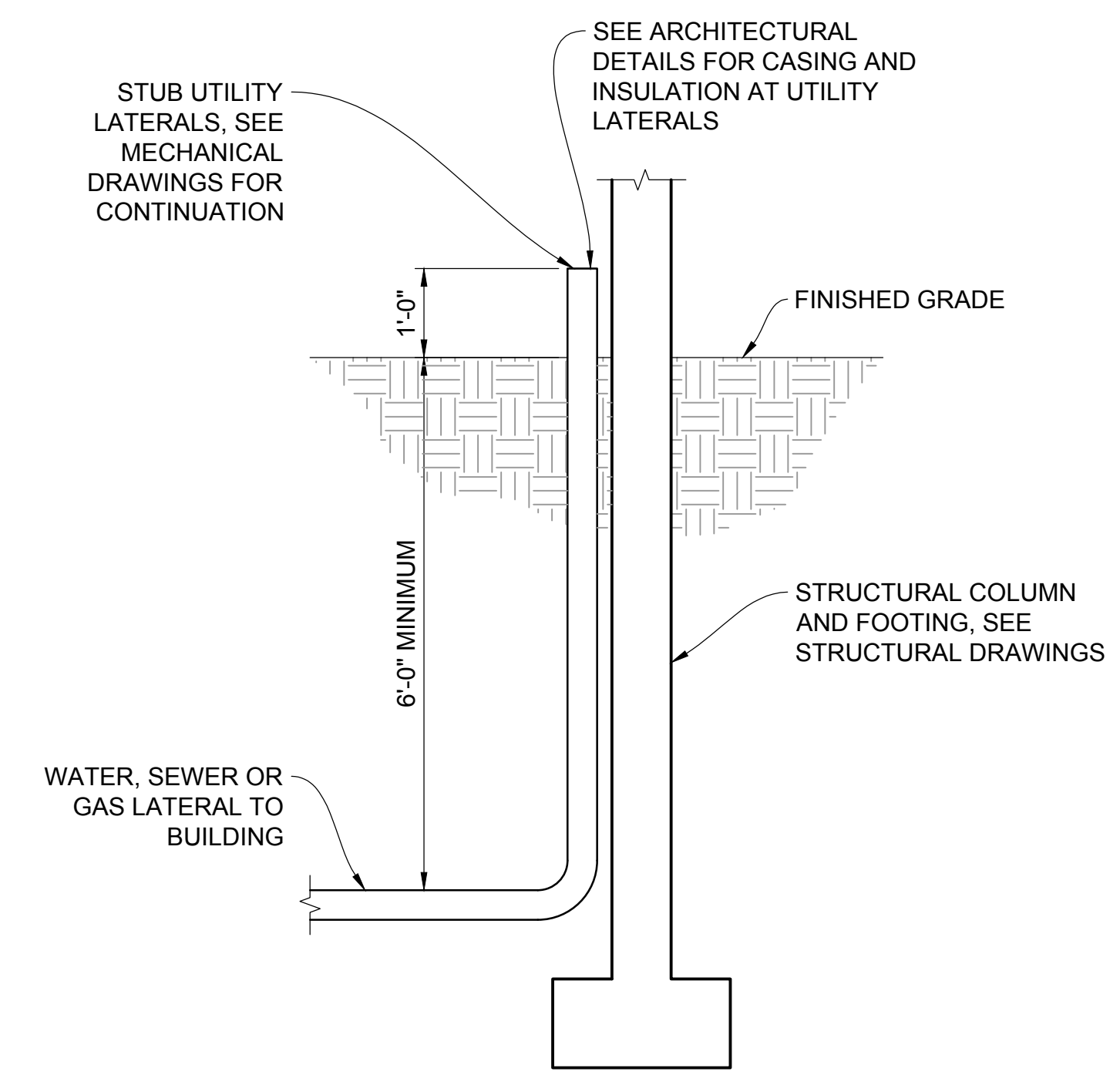


B PARKING ASPHALT SECTION
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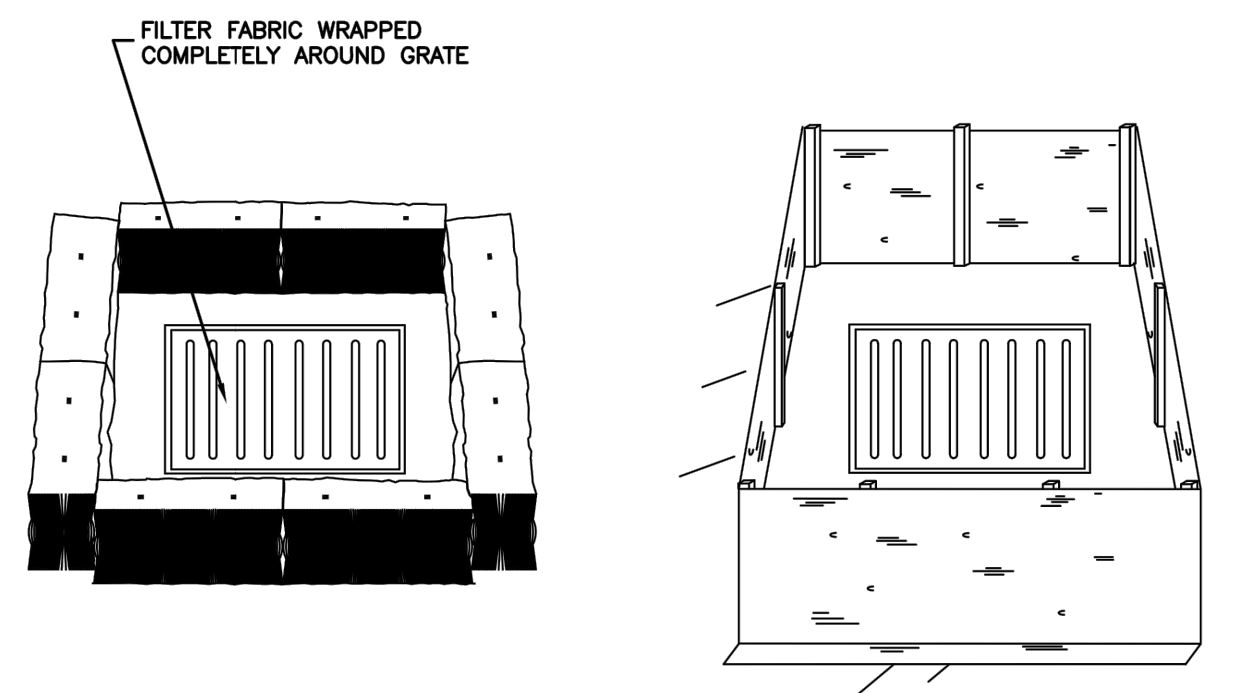
SECTION A-A

C PROPANE TANK PIT
 VAR NTS



D SERVICE LATERAL DETAIL
 VAR NTS

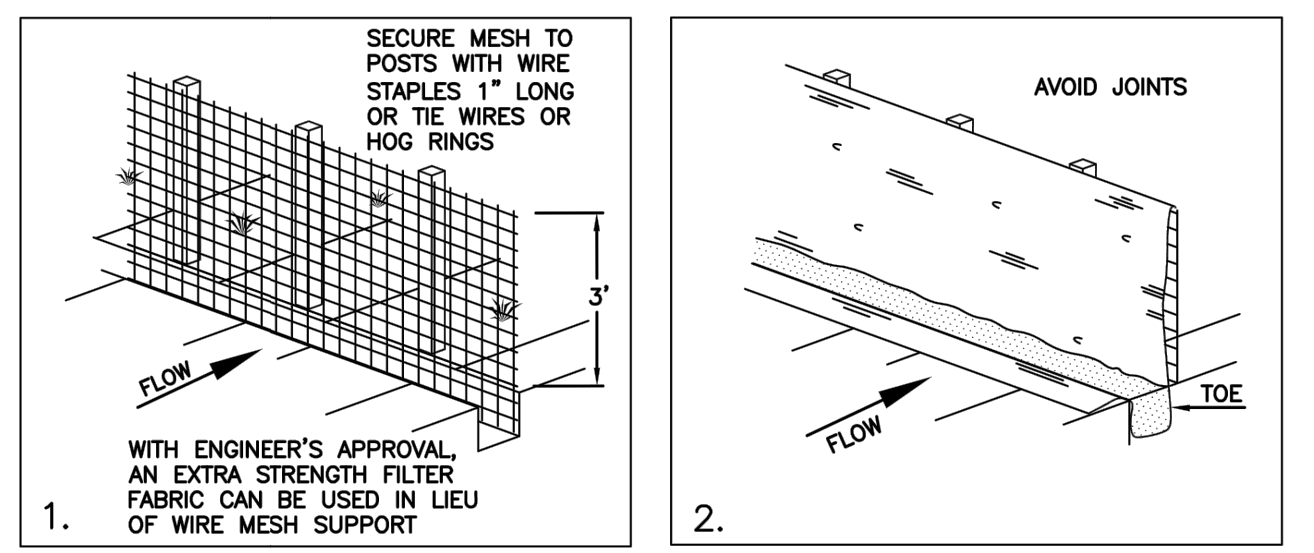
NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE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



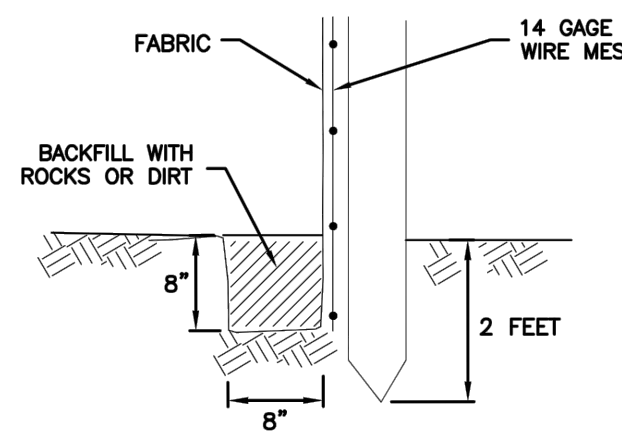
STRAW BALE BARRIER (PLAN No. 121)
SILT FENCE (PLAN No. 122)

Inlet protection - fence or straw bale
 February 2006 15 Plan 124 Sheet 3 of 3

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.



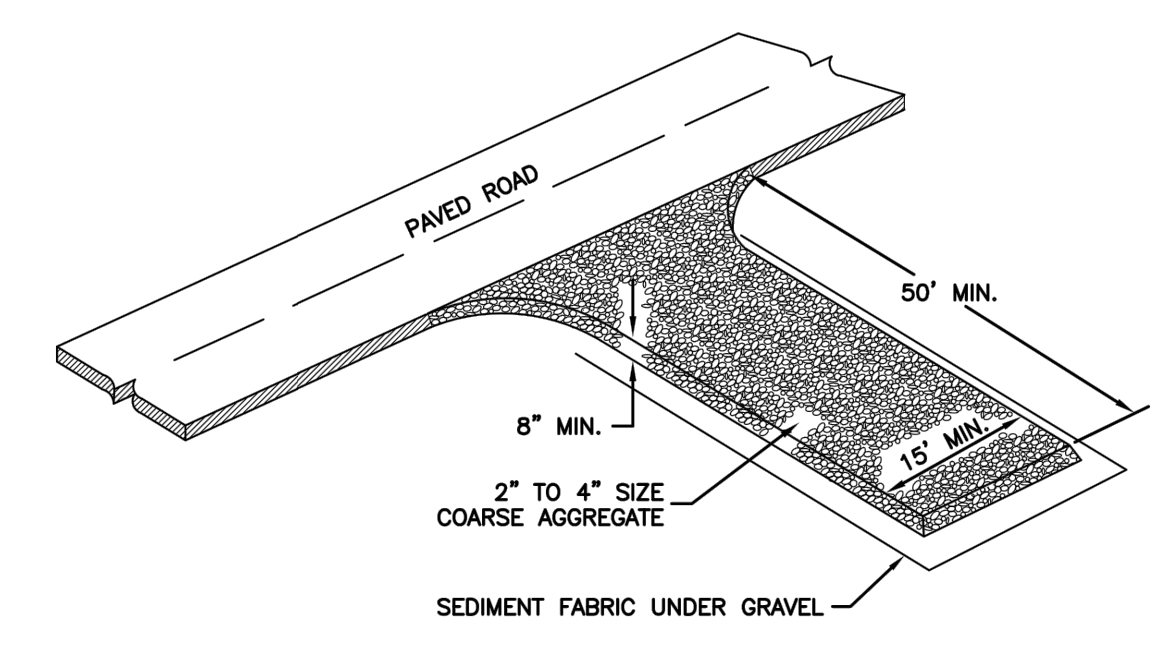
INSTALLATION SEQUENCE



TOE DETAIL

Silt fence
 February 2006 7 Plan 122

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.



Stabilized roadway entrance
 February 2006 19 Plan 126

NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD
DETAILS

TALISMAN
 CIVIL CONSULTANTS
 MURRAY, UT 84407
 6217 SOUTH STATE STREET, SUITE 200
 801743.8800 TEL. 801743.0800 FAX

REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
6.00
 SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A
 JOB NUMBER
SLB0793

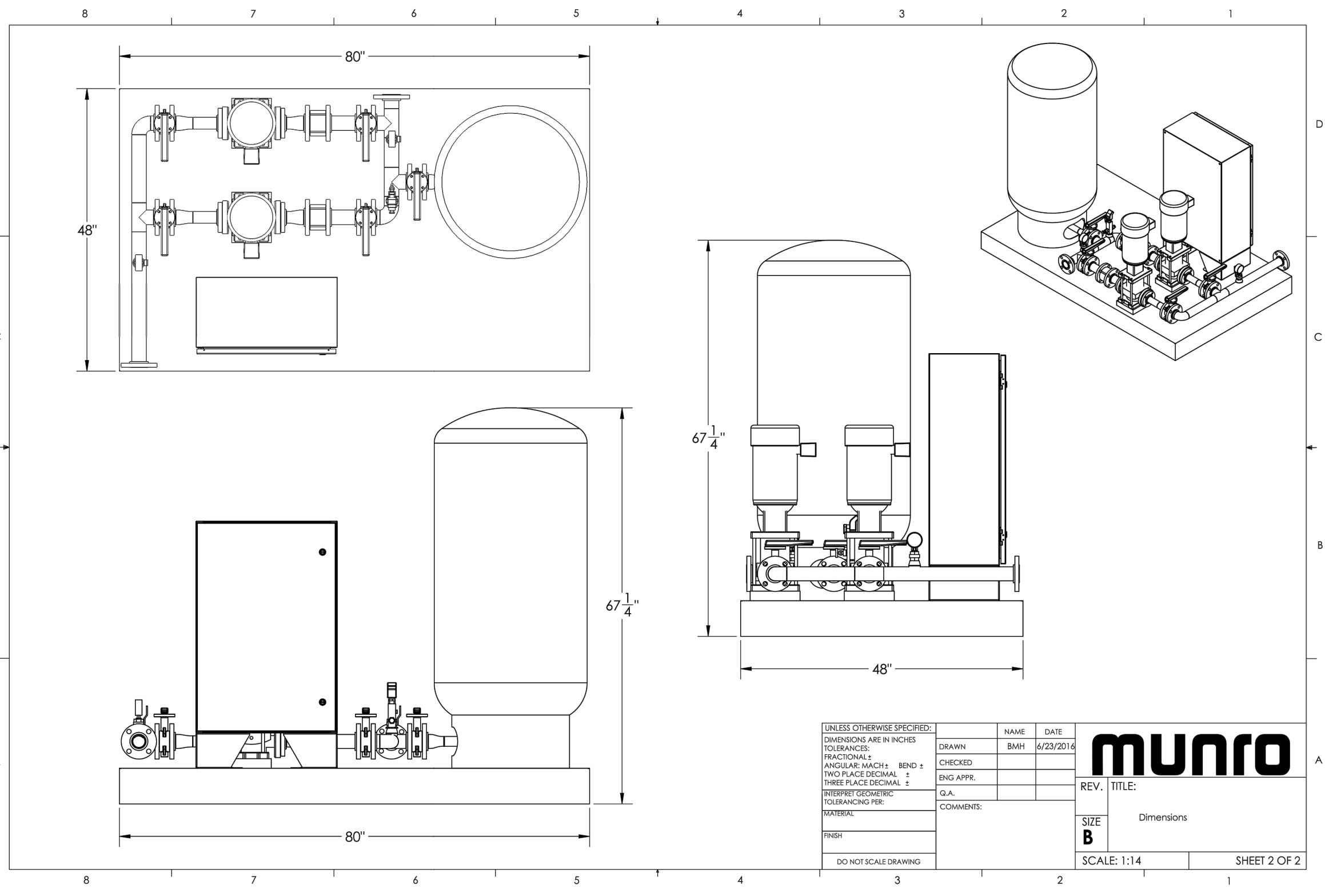
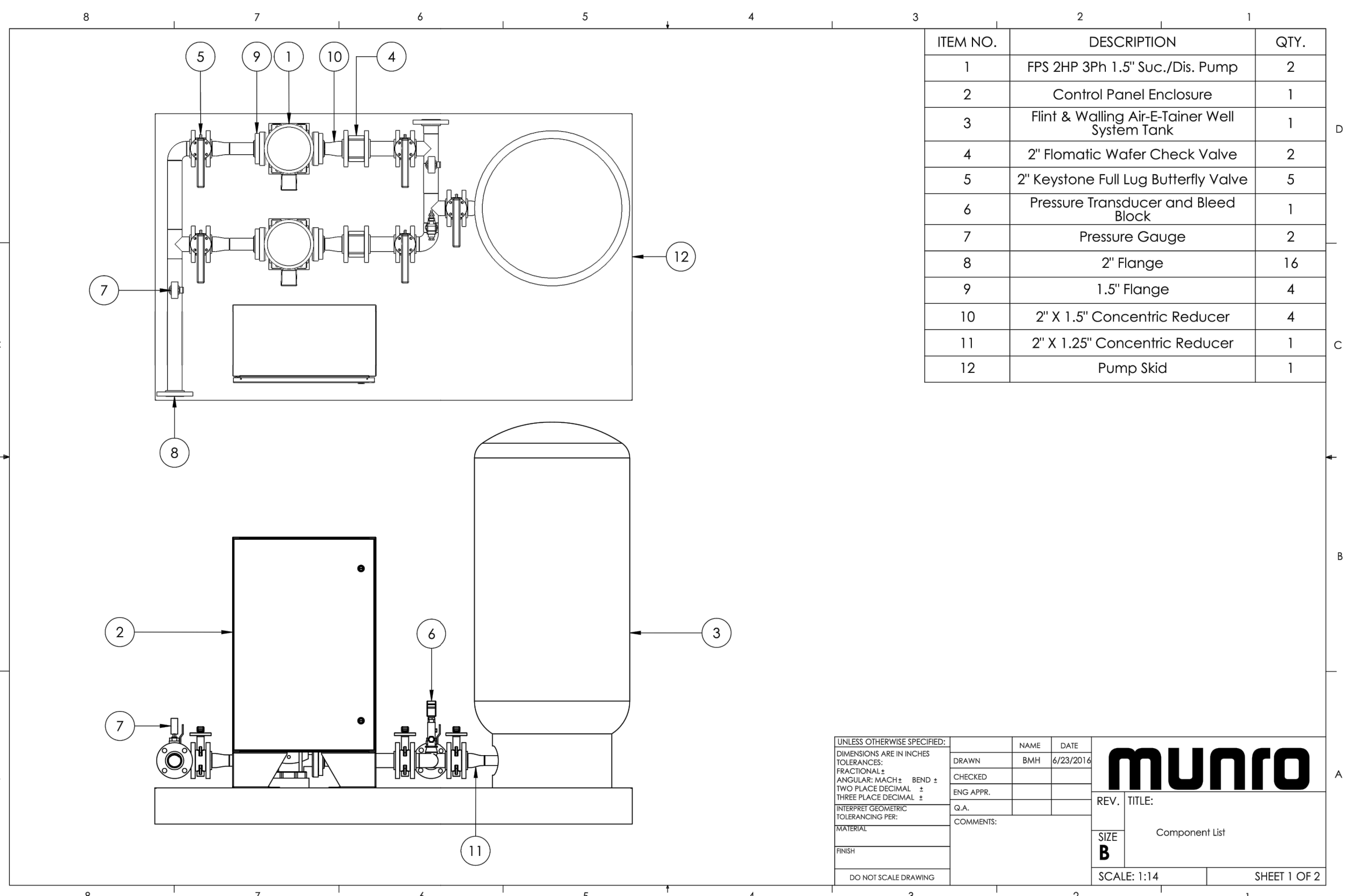


CAUTION

DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

DATE: 6/2/17 TIME: 11:10:41 AM DRAWING NAME: E01 - DETAILS.DWG
 SERVER: NONE PAGE SETUP: PWF-CAD-24x36 LAYOUT: LAYOUT1
 PATH: N:\SLB0793\CAD\HORIZON VILLAGE\P DESIGNED: JMM REV. MOD: JMM



Pump Data Sheet - Franklin Electric

Company: NVS
 Name: _____
 Date: 6/21/2016

Pump:
 Size: SVR 2-8 stage
 Type: Multi-Stage
 Synch Speed: 3600 rpm
 Curve: _____
 Specific Speeds: _____
 Dimensions: _____

Search Criteria:
 Flow: 30 US gpm
 Head: 85 ft
 Fluid: Water
 Temperature: 60 °F
 Vapor Pressure: 0.2563 psi a
 Viscosity: 1.105 cP
 NPSHr: _____
 Motor: Standard: _____
 Enclosure: _____
 Sizing Criteria: none specified

Pump Limits:
 Temperature: _____
 Pressure: _____
 Sphere Size: _____

Duty Point:
 Flow: 33.2 US gpm
 Head: 104 ft
 Eff: 54%
 Power: 1.6 hp
 NPSHr: 7.44 ft

Design Curve:
 Shutoff Head: 162 ft
 Shutoff QP: 70.2 psi
 Min Flow: _____
 BEP: 56.2% @ 26.3 US gpm
 NOL Power: 1.7 hp @ 44 US gpm

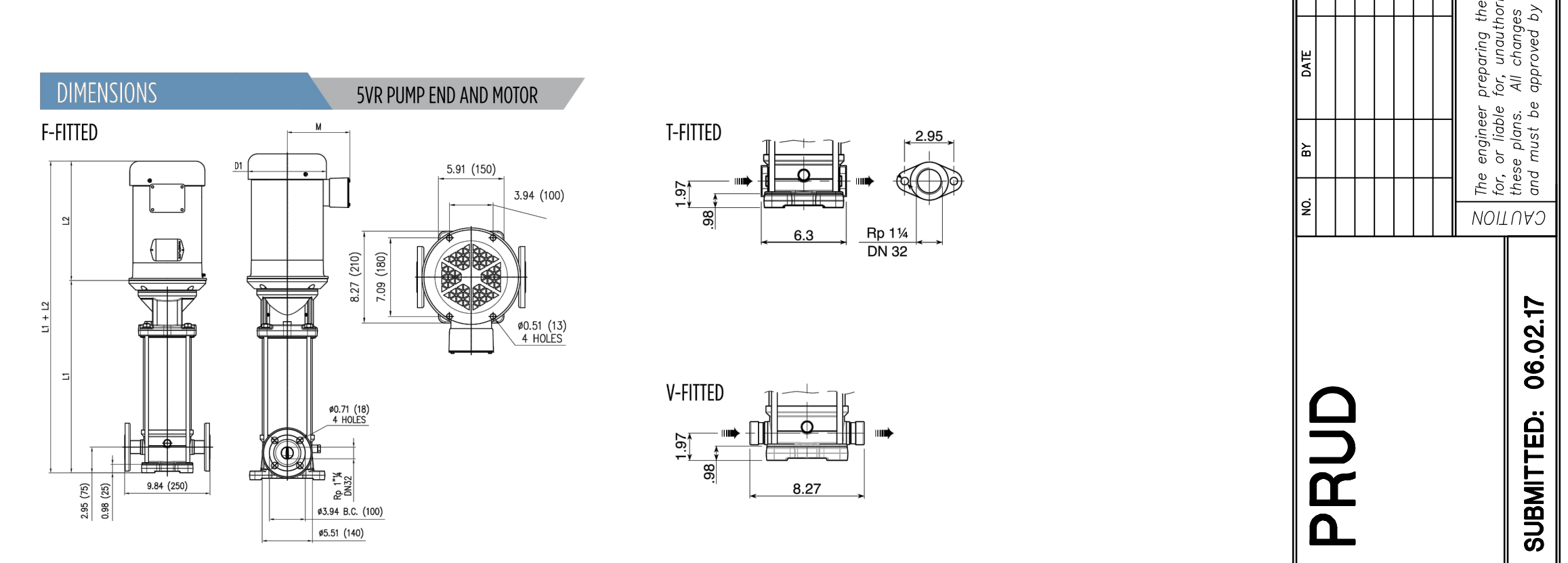
Max Curve:
 Max Power: 4.49 hp @ 44 US gpm

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
36	3450	93.1	52	1.83	10.5
30	3450	113	55	1.54	5.74
24	3450	129	55	1.41	3.52
18	3450	141	51	1.26	2.74
12	3450	150	43	1.05	2.62

MULTI-STAGE PUMPS

VERTICAL VR SERIES



Pump End Dimensions (in)				Pump End Dimensions (in)			
Stages	HP	LF/FT	Model No.	Stages	HP	LF/FT	Model No.
2	1	13.49	SVR2-60 N	9	5	20.14	SVR9-60 N
3	1.5	14.44	SVR3-60 N	10	5	21.08	SVR10-60 N
4	2	14.99	SVR4-60 N	11	7.5	21.54	SVR11-60 N
5	3	15.93	SVR5-60 N	12	7.5	22.48	SVR12-60 N
6	3	17.29	SVR6-60 N	13	7.5	23.45	SVR13-60 N
7	5	18.25	SVR7-60 N	14	7.5	24.37	SVR14-60 N
8	5	19.19	SVR8-60 N	15	7.5	25.31	SVR15-60 N

Motor Dimensions (in)

Phase	HP	Frame	Standard Efficiency TEFC			Premium Efficiency TEFC			Phase	Volts	L2	M	D1	Phase	Volts	L2	M	D1	
			Volts	L2	M	D1	Volts	L2											M
1	1	56C	112.2	5.06	6.19	11.35	5.19	6.19	3	208/230/460	12.25	5.19	6.19	112.2	5.06	6.19	11.35	5.19	6.19
			12.25	5.19	6.19	12.25	5.19	6.19											
			12.25	5.19	6.19	12.25	5.19	6.19											
3	1.5	56C	12.25	5.19	6.19	12.25	5.19	6.19	3	208/230/460	12.25	5.19	6.19	12.25	5.19	6.19	12.25	5.19	6.19
			12.25	5.19	6.19	12.25	5.19	6.19											
			12.25	5.19	6.19	12.25	5.19	6.19											
5	5	182/ATC	16.55	5.61	8.12	16.55	5.61	8.12	3	208/230/460	16.55	5.61	8.12	16.55	5.61	8.12	16.55	5.61	8.12
			16.55	5.61	8.12	16.55	5.61	8.12											
			16.55	5.61	8.12	16.55	5.61	8.12											

NOTE: Dimensions for round flange units are for estimating purposes only.

FLINT & WALLING
 Zoeller Family of Water Solutions™

AIR-E-TAINER® WELL SYSTEM TANKS

FW0019
 0616
 Supersedes 0416

- Inline tanks pre-charged for 30-50 pressure switch - Vertical tanks pre-charged for either 30 - 50 or 40 - 60 Pressure switch
- 100 PSI maximum working pressure
- Powder-coated exterior and interior
- Butyl rubber parabolic diaphragm
- 5 year Limited Warranty

In-line tanks: 132477
 Vertical Tanks: 132661, 132675, 132662, 135480, 132663, 136876, 133517

AIR-E-TAINER® PRE-PRESSURIZED WELL SYSTEM TANKS

Part No.	Total Tank Vol. Gallons	Drawdown - Gallons by PSI Settings**	Approx. Size In. Dia x Ht	Ship Wt Lbs	NPT Size MTL	Factory Precharge PSIG	Max Working Pressure (PSI)	Max Working Temp
131009	2	0.7	0.8	8-1/4 x 10-1/8	5	3/4" M	29	140
132477	4.6	1.6	1.4	11 x 14-3/4	9	3/4" M	28	140
132661	14	5.2	4.3	15-3/8 x 24-3/4	25.5	1" F	38	100
132662	20	7.4	6.2	15-3/8 x 32-1/4	30	1" F	38	100
132663	36	13.3	11.1	20 x 38-5/8	45	1" F	38	100
133517	52	19.2	16.1	23-3/8 x 38-5/8	77	1-1/4" F	38	100
133675	66	23.9	20	23-3/8 x 46-3/8	87	1-1/4" F	38	100
135460	86	31.8	26.7	23-3/8 x 52	105	1-1/4" F	38	100
136876	119.5	44	37	26 x 61-1/4	165	1-1/4" F	38	100

**In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.

Caution: Install a pressure relief valve on any installation where the pump pressure can exceed the tank's maximum working pressure.
 NOTE: Pre-charged tanks cannot ship via air freight.

NOTE: Pre-charged tanks cannot ship via air freight.

AIR-E-TAINER® WELL SYSTEM TANKS

Air-E-Tainer® Features

- AIR CHARGE VALVE**
 - Conveniently located for easy pressure adjustment
 - Projection-welded for durability
- DESIGNER FINISH**
 - High gloss exterior powder coat
 - Provides positive protection against corrosion and UV rays
- BUTYL RUBBER PARABOLIC DIAPHRAGM**
 - Eliminates rubbing on the tank wall or rolling over on itself
- STEEL SHELL**
- STEEL RETAINING RING**
- POWDER-COATED WATER CHAMBER**
 - Proven protection against internal corrosion
- CORROSION-RESISTANT BASE**
 - High-impact polymer material
 - Strong and stable for long life
 - Base rotates for easy alignment to pipe connection
 - Slotted and noted for air flow, reduced condensation build-up

Standard 40/60 PSI System

These illustrations show the operation of the Air-E-Tainer® tank in a typical 50/60 pressure range.

A. Tank is pre-pressurized with air at the factory.
 B. When pump starts, water enters the reservoir. At 50 psig, system is filled. Pump shuts off.
 C. When water is demanded, pressure in the air chamber forces water into the system. Pump turns on.
 D. When pressure in tank drops to pressure switch cut-in point (30 psig), pump refills the tank as in illustration B.

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JAMES B. XRECS

NO. BY DATE REVISIONS

HORIZON NEIGHBORHOOD PRUD BOOSTER PUMP DETAILS

DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

TALISMAN
 CIVIL CONSULTANTS

627 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX

MURRAY, UT 84407

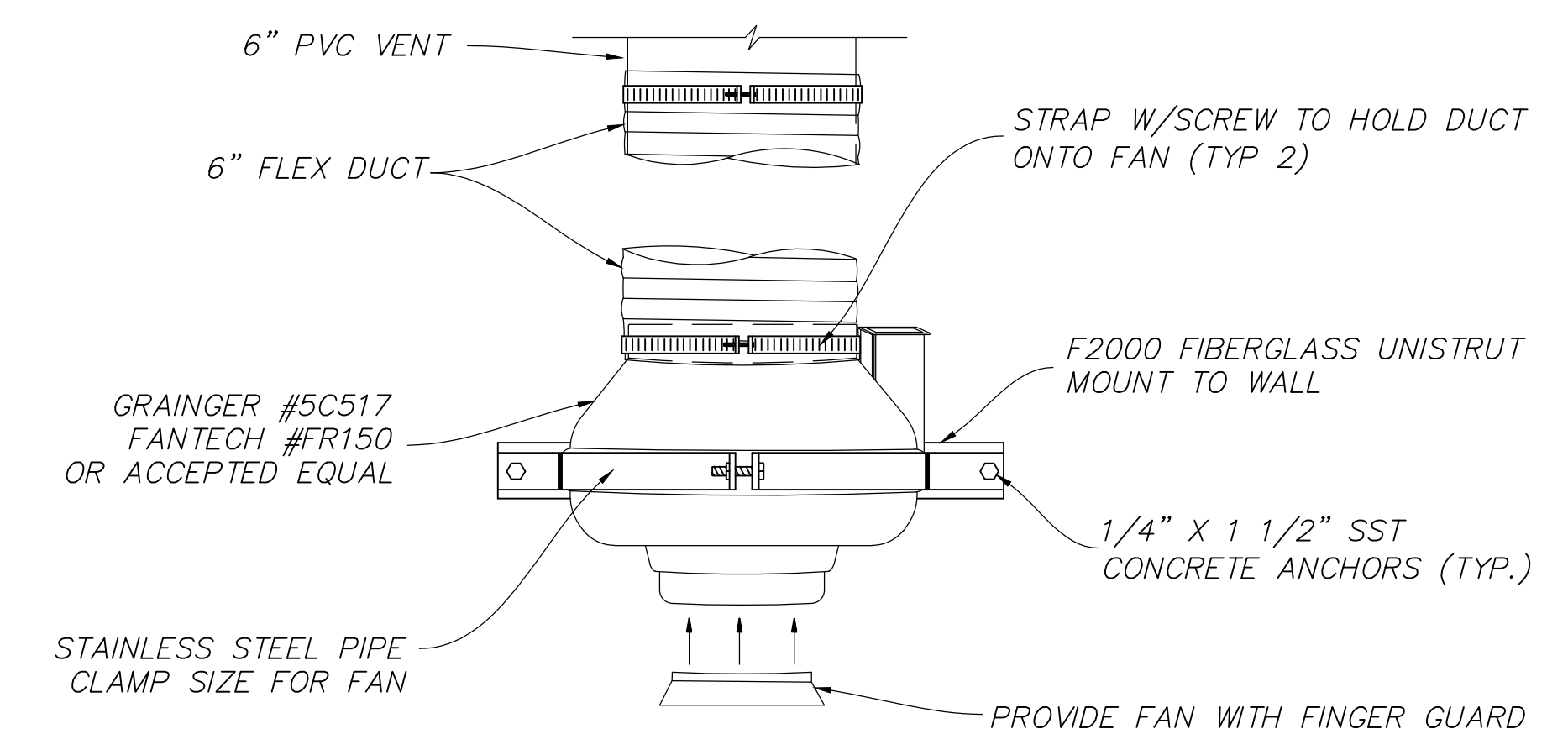
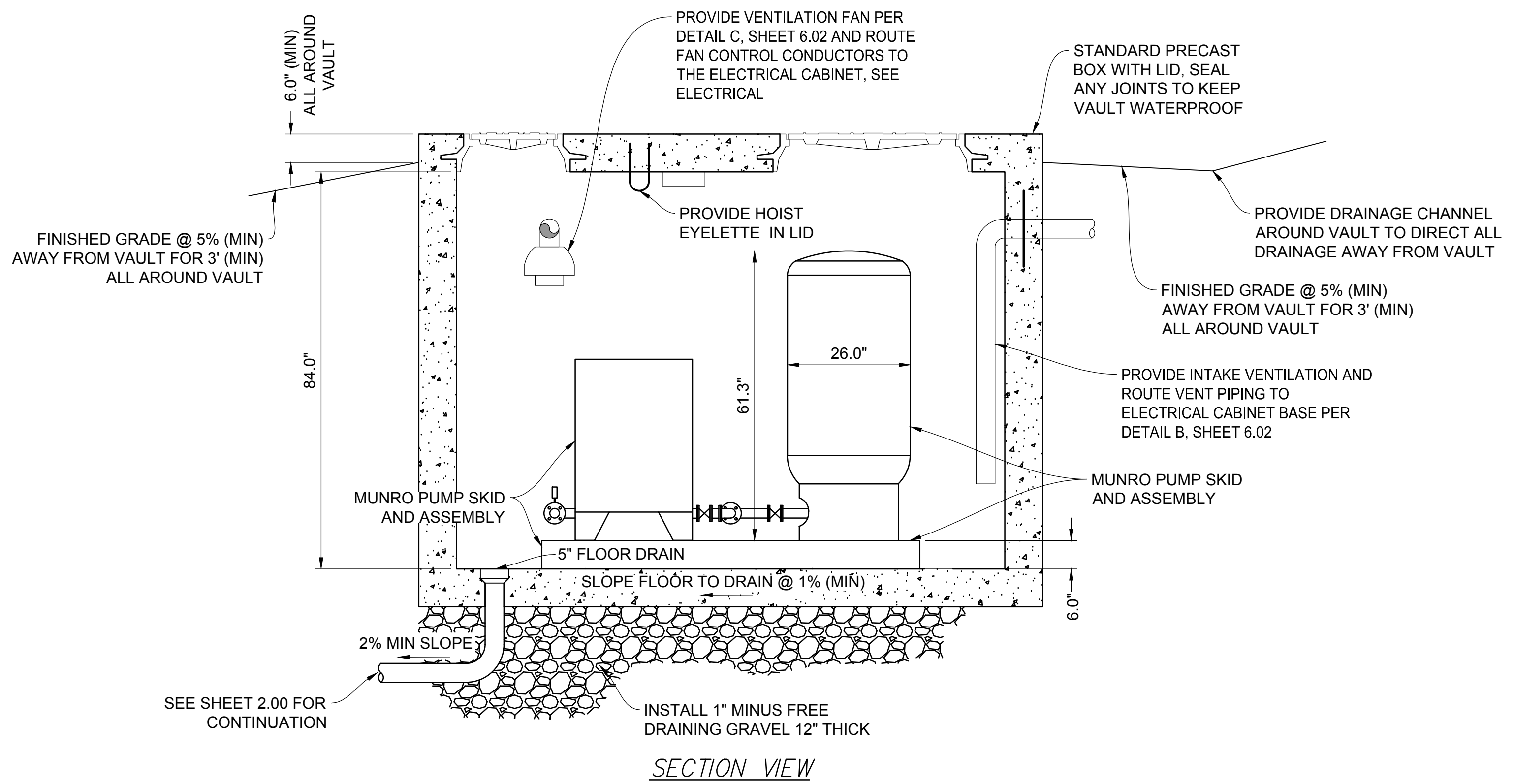
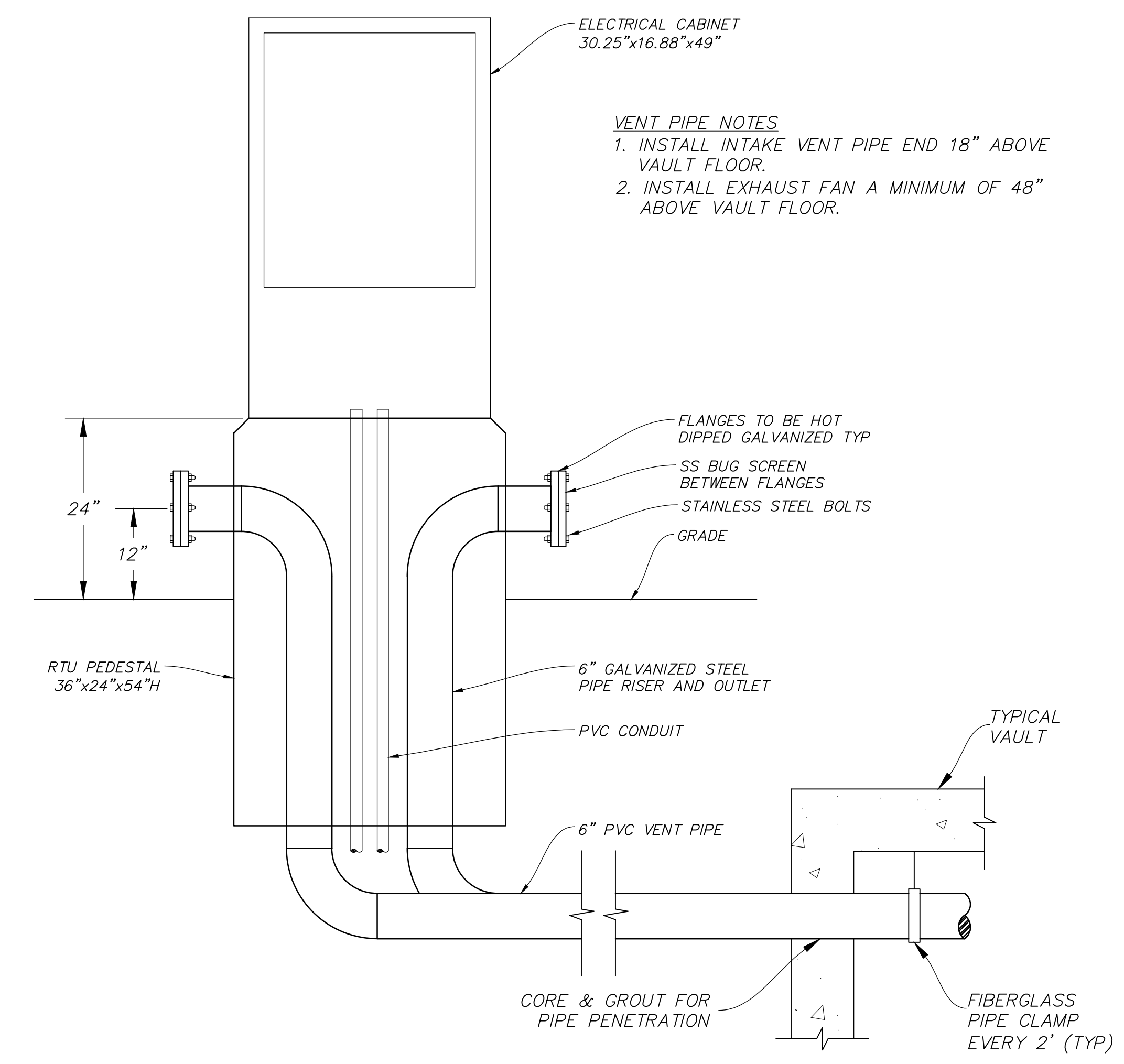
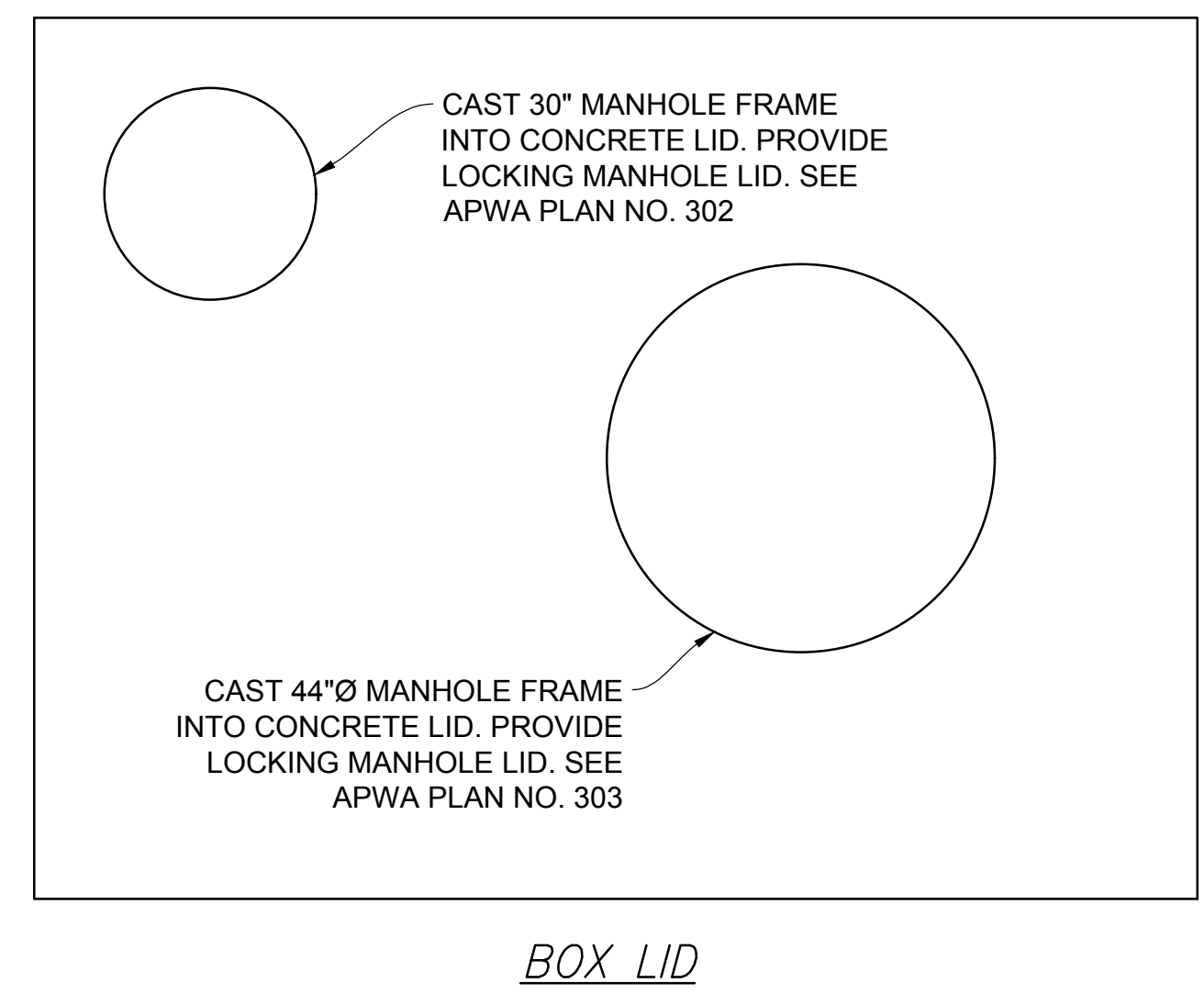
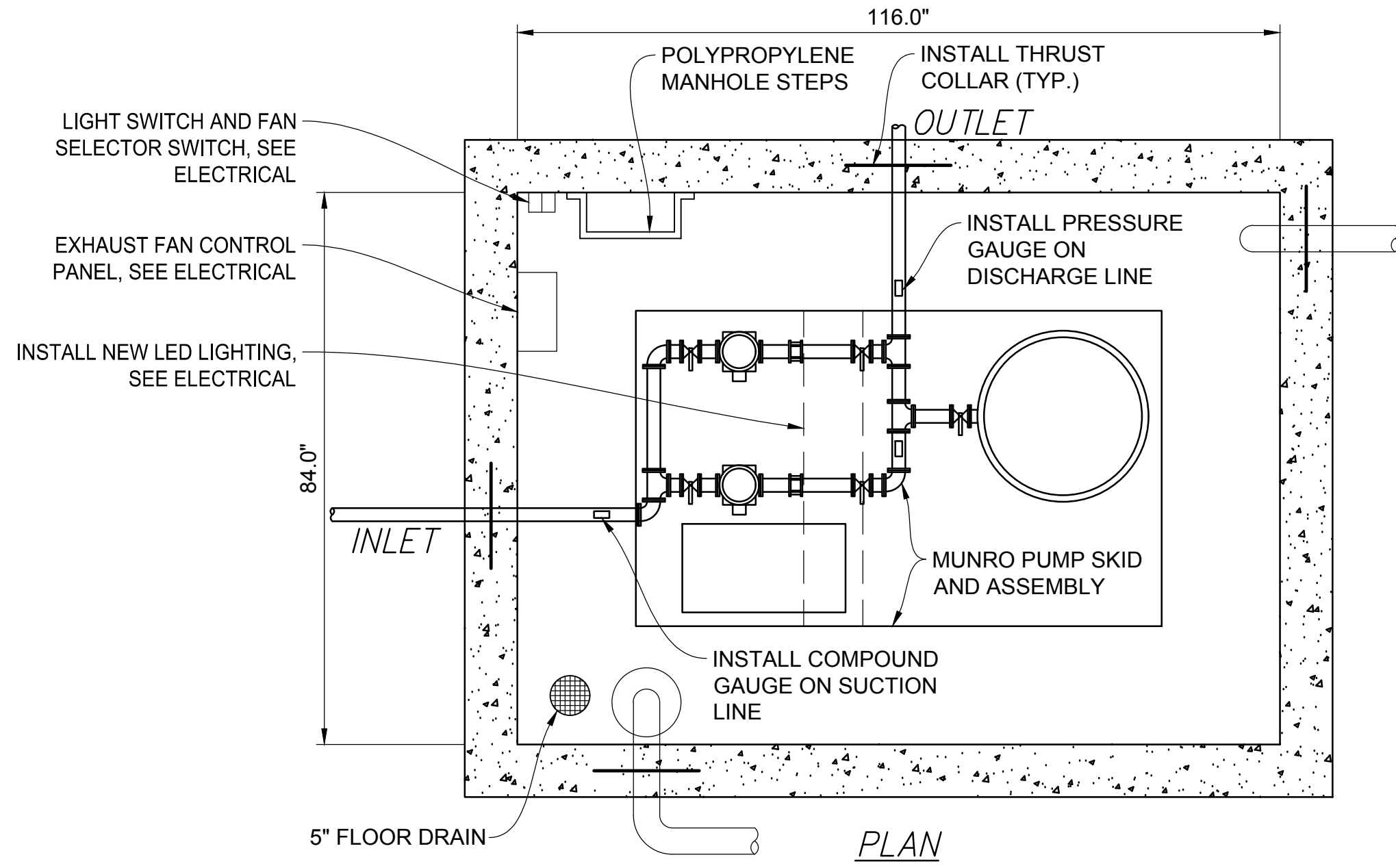
REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
6.01

SCALE
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 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793





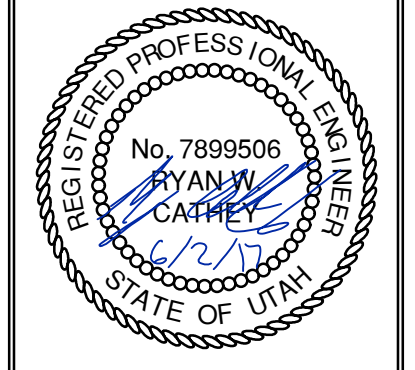
NO.	BY	DATE	REVISIONS

**HORIZON NEIGHBORHOOD PRUD
 BOOSTER PUMP DETAILS**

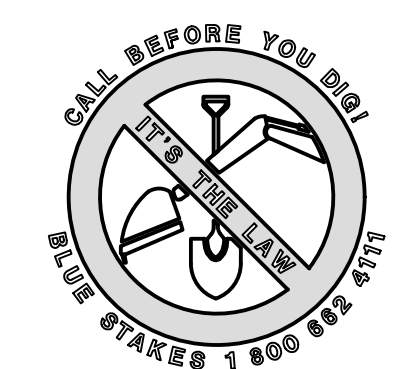
TALISMAN
 CIVIL CONSULTANTS

MURRAY, UT 84407

6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX



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SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = N/A
JOB NUMBER	SLB0793



DATE SUBMITTED: 06.02.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans unless they are specifically approved by the preparer of these plans.

OPTIONS : DH071 (HARD WIRED LEVEL CONTROLS)
 DR071 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH071-129 / DR071-129 & DH071-160 / DR071-160

GASKETED LID, HDPE
 STRAIN RELIEF CORD CONNECTOR
 PROTECTIVE CABLE SHROUD (HDPE)
 POWER/ALARM CABLE 12-6 W/GND.
 E/ONE EQUALIZER
 INTERNAL WELL VENT 2.0" DIA.
 INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD). DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL).
 ALARM ON OFF
 DISCHARGE 1-1/4" FPT
 1-1/4" DISCHARGE LINE (304 S.S.)
 CHECK VALVE (NORYL)
 ANTI-SIPHON VALVE (NORYL)
 HDPE TANK, CORRUGATED 70 GALLON CAPACITY
 SEMI-POSITIVE DISPLACEMENT TYPE PUMP, EACH DIRECTLY DRIVEN BY A 1 HP MOTOR

41.6 in 1057 mm TO DISCHARGE
 36.0 in 914 mm TO INLET
 26 in 650 mm
 18 in 447 mm 47 gal 179 L
 32 gal 121 L
 14 in 345 mm 24 gal 91 L
 29.5 DIA in 749 mm

UL NSF SP

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH071 / DR071
 DETAIL SHEET
 NA0050P02

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTION FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

OPTIONS : DH071-124 (HARD WIRED LEVEL CONTROLS)
 DR071-124 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION
 GRADE
 76" COVER OVER DISCH
 84" INVERT DEPTH
 123.3"
 41.6"
 36.0"
 DISCHARGE: 1-1/4" FEMALE PIPE THREAD
 INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)
 Ø 29.5"

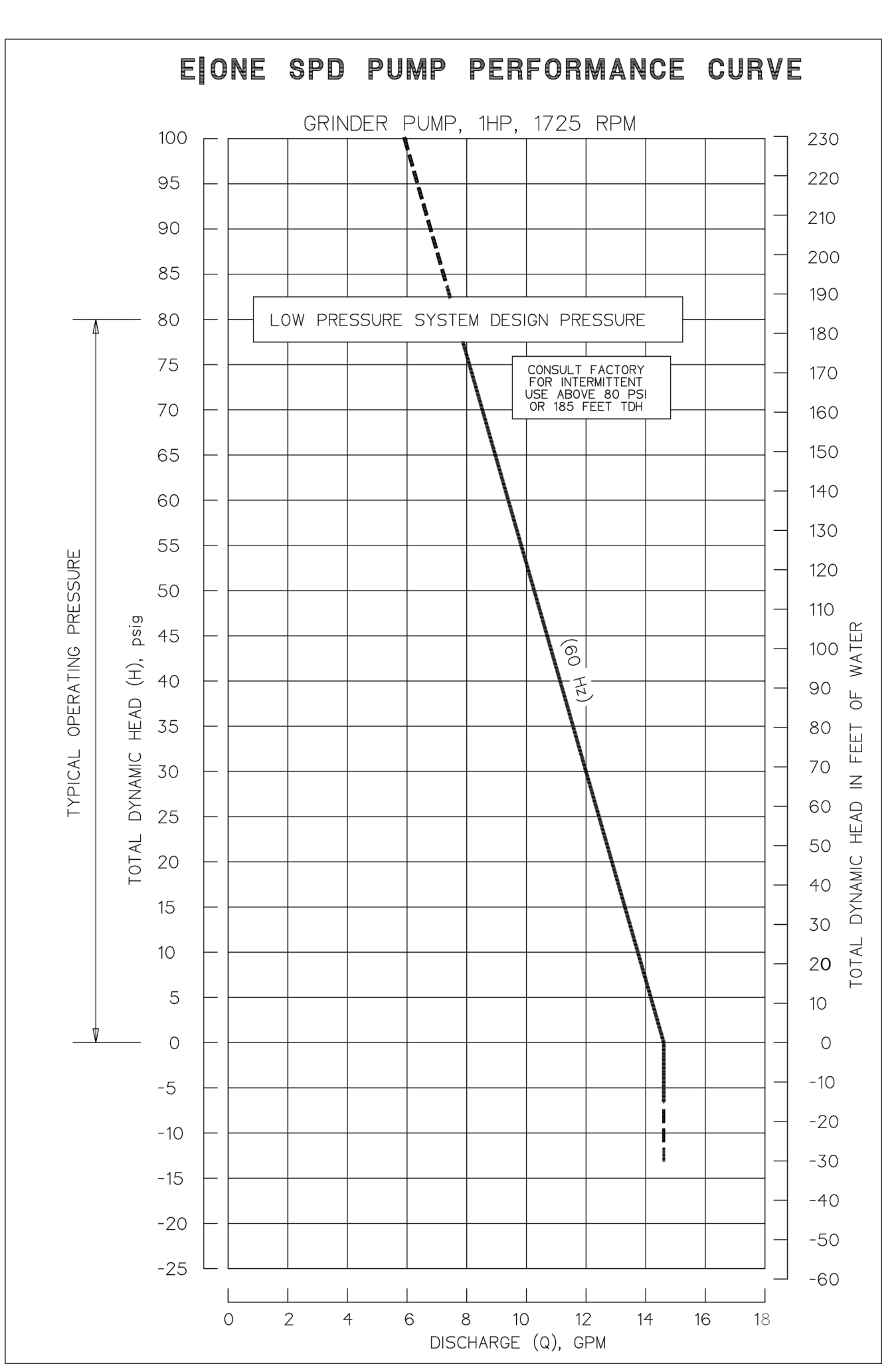
CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

UL NSF SP

AD	CAH	07/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH071-124 / DR071-124
 NA0050P07



OPTIONS : DH151 (HARD WIRED LEVEL CONTROLS)
 DR151 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH151-129 / DR151-129 & DH151-160 / DR151-160

GASKETED LID, HDPE
 STRAIN RELIEF CORD CONNECTOR
 E/ONE EQUALIZER
 POWER/ALARM CABLE 6 CONDUCTOR W/GND
 DUAL WALL CORRUGATED HDPE ACCESSWAY
 INTERNAL WELL VENT 2.0" DIAMETER
 INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD). DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL).
 ALARM ON OFF
 DISCHARGE 1 1/4" FPT
 1 1/4" DISCHARGE LINE (304 S.S.)
 CHECK VALVE (NORYL)
 ANTI-SIPHON VALVE (NORYL)
 HDPE TANK 1/2" NOMINAL WALL THICKNESS 150 GALLON CAPACITY
 SEMI-POSITIVE DISPLACEMENT TYPE PUMP DIRECTLY DRIVEN BY A 1 HP MOTOR

43.9 in 1115 mm
 38.4 in 975 mm
 29 in 737 mm
 17 in 432 mm 84 gal 318 L
 21 in 534 mm 116 gal 439 L
 66 gal 250 L

UL NSF SP

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH151 / DR151
 DETAIL SHEET
 NA0051P02

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

OPTIONS : DH151-129 (HARD WIRED LEVEL CONTROLS)
 DR151-129 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION
 GRADE
 78" COVER OVER DISCH
 86" INVERT DEPTH
 127.1"
 43.9"
 38.4"
 DISCHARGE: 1-1/4" FEMALE PIPE THREAD
 INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)
 Ø 38.8"
 BALLAST CONTAINMENT RING

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

UL NSF SP

AD	CAH	07/13/07	C	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH151-129 / DR151-129
 NA0051P07

SIMPLEX SENTRY

REDUNDANT RUN (HIGH LEVEL)
 EXTERNAL VISUAL & AUDIBLE ALARM
 EXTERNAL LATCHING MANUAL SILENCE
 MANUAL RUN
 PUMP RUN INDICATOR
 CONFORMAL COATED CIRCUIT BOARD
 PADLOCK
 NEMA 4X ENCLOSURE ASSEMBLY
 CORROSION PROOF THERMOPLASTIC POLYESTER APPROVED BY UL FOR ELECTRICAL CONTROL ENCLOSURE

15.42
 13.84
 11.55

OPTIONS:
 ALARM CONTACTS
 HOUR METER

TO PUMP
 PUMP POWER
 MANUAL RUN
 ALARM RETURN

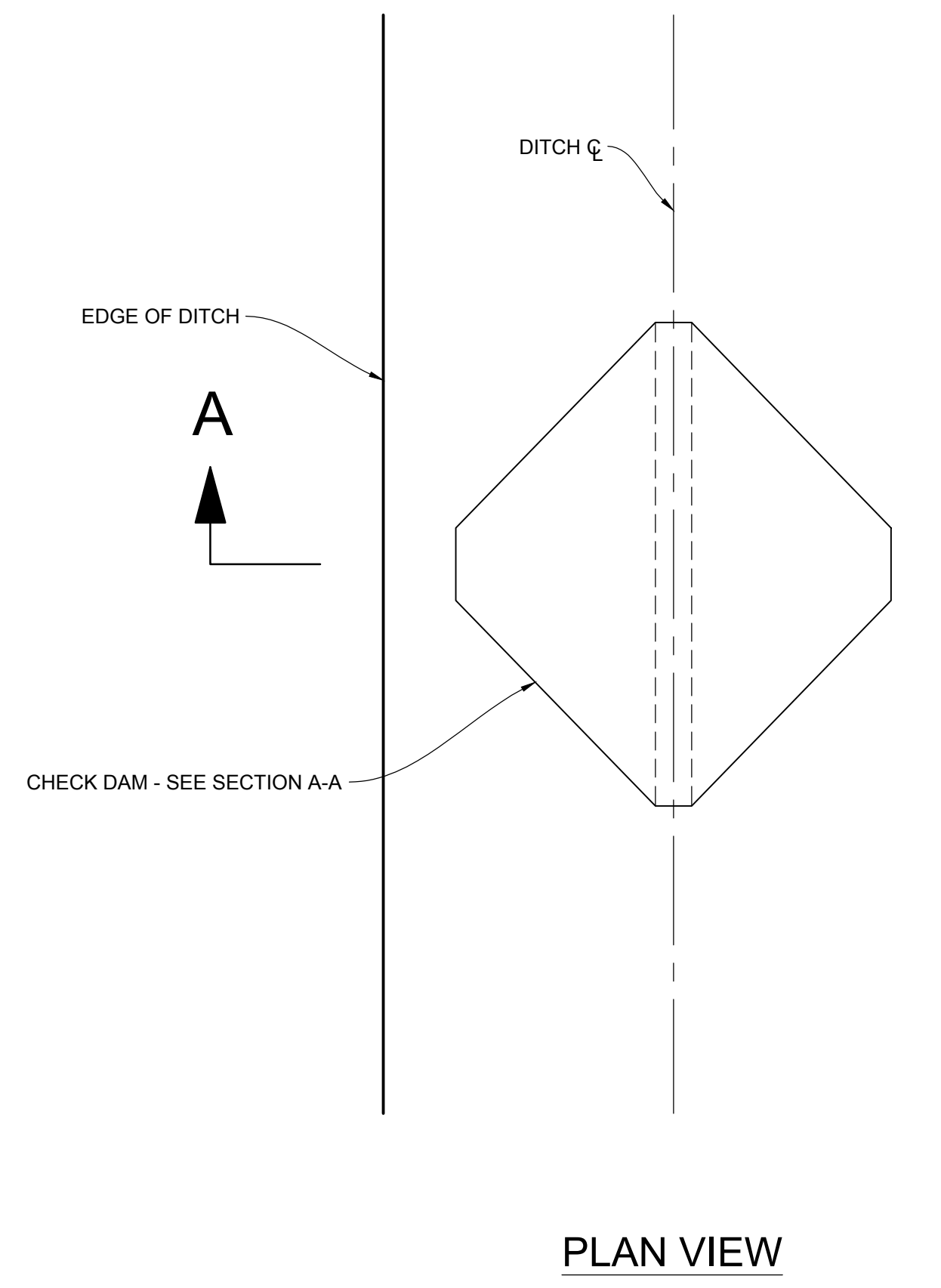
CE UPC® ASME A112.3.4
 LR28268 LISTED 500D
 UL NSF SP

AD	SM	01/9/08	D	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 SIMPLEX SENTRY, 120V 60Hz.
 SINGLE POLE POWER
 LM000327

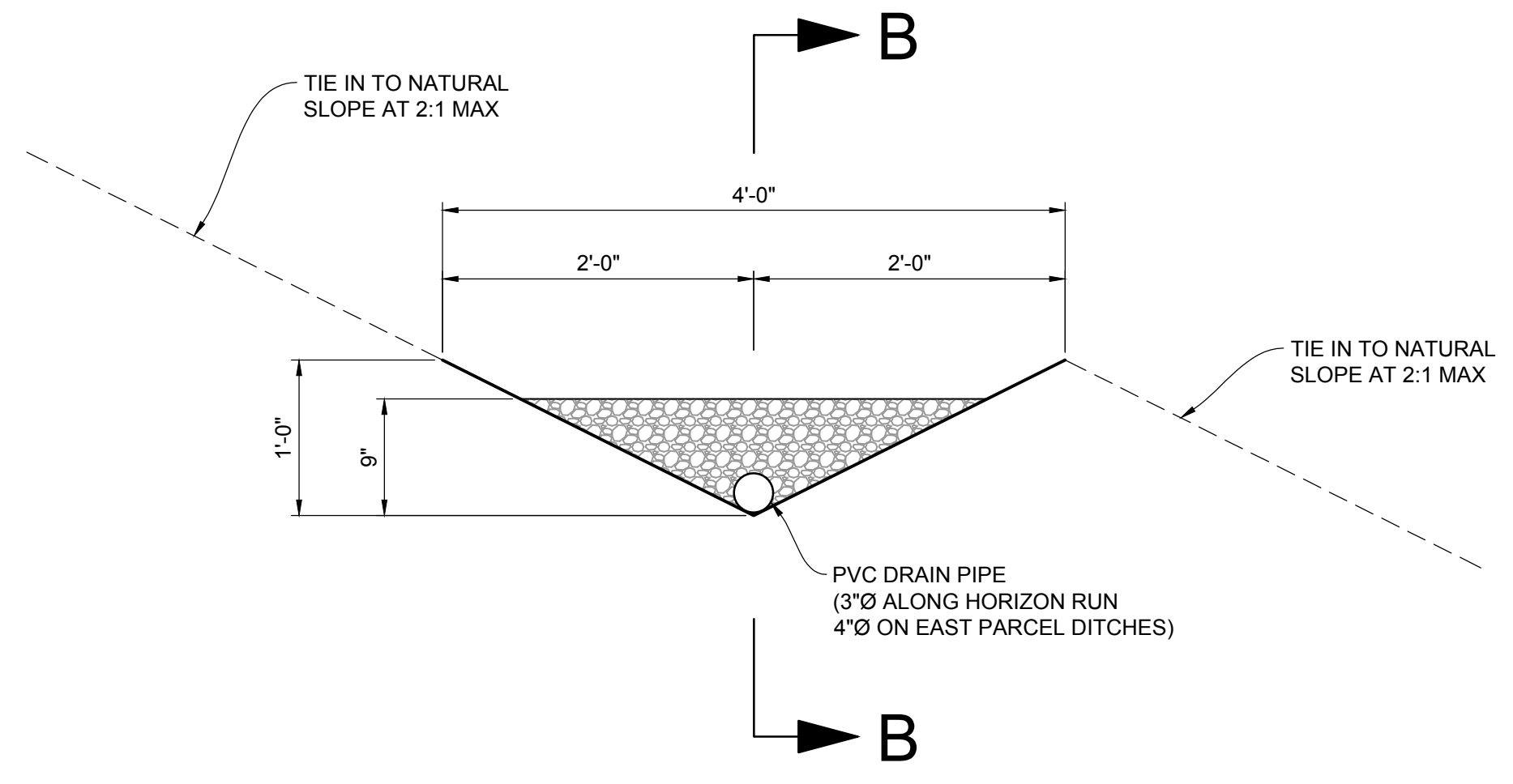
CONTROL CABLE:
 TYPE 1C, DIRECT BURIAL, 12AWG, SIX CONDUCTOR

CE MARKING: 2000S EXTREME
 1 MANUAL RUN RED BROWN
 2 L1 BLACK RED
 3 N WHITE BLACK
 4 GND GREEN ORANGE-YELLOW
 5 ALARM FEED ORANGE YELLOW
 6 ALARM RETURN BLUE BLUE

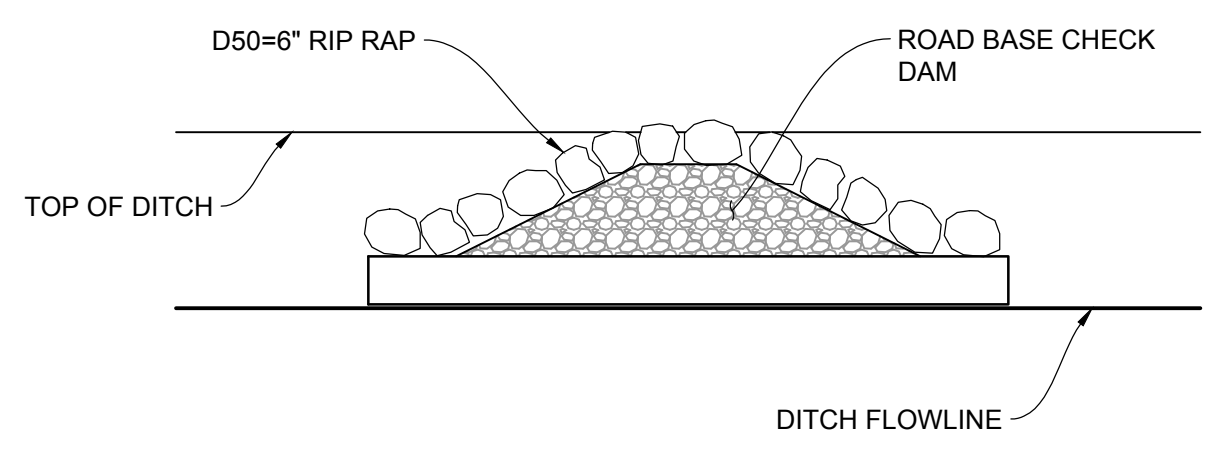


PLAN VIEW

A
 VAR NTS CHECK DAM DETAIL



SECTION A-A



SECTION B-B

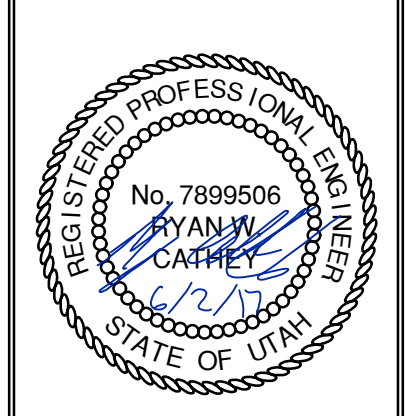


NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD
DETAILS

PREPARED FOR: SUMMIT POWDER MOUNTAIN DATE SUBMITTED: 06.02.17

TALISMAN
 CIVIL CONSULTANTS
 MURRAY, UT 84107
 6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0900 FAX

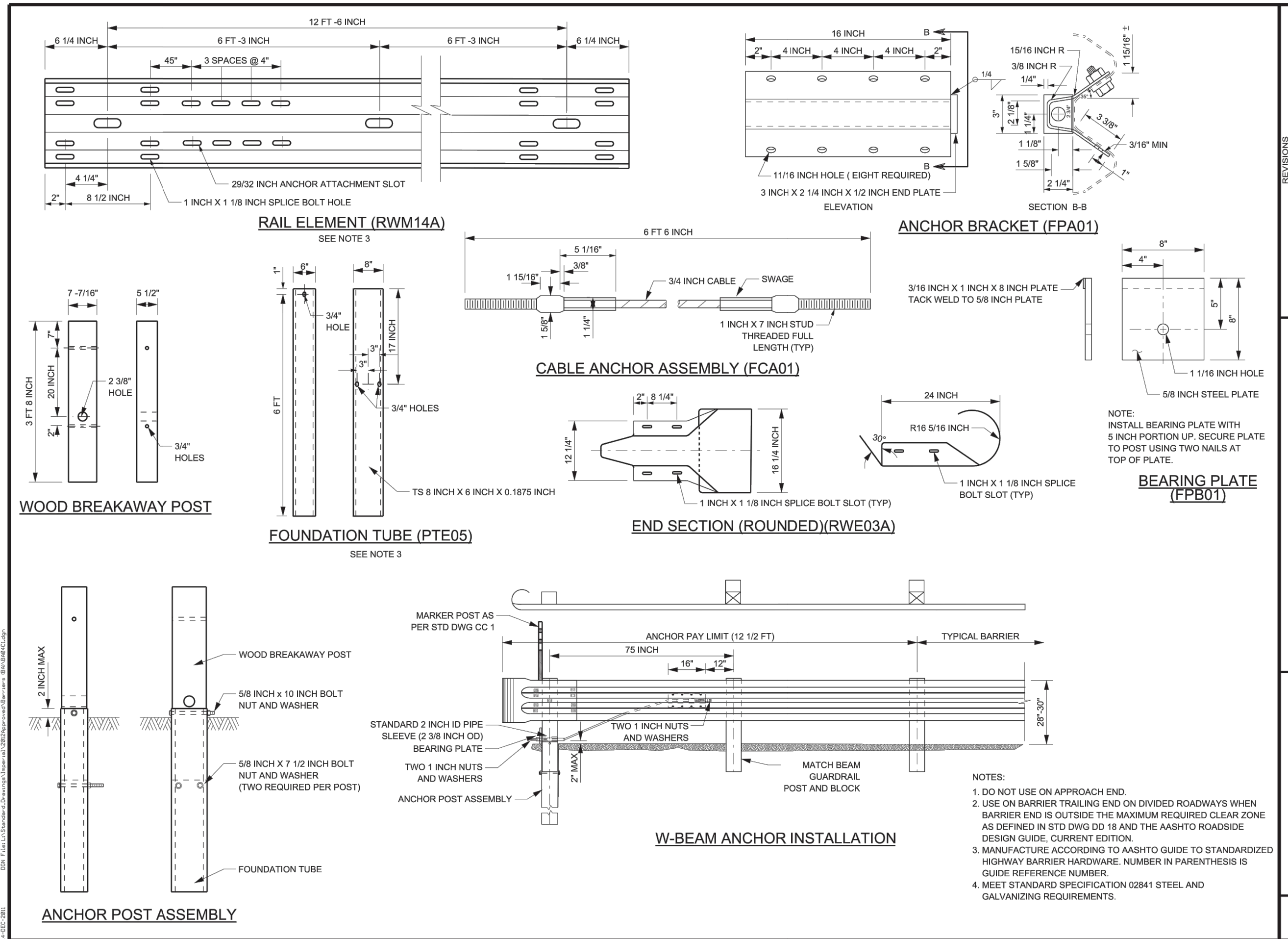


SHEET NUMBER
6.04

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793

CAUTION
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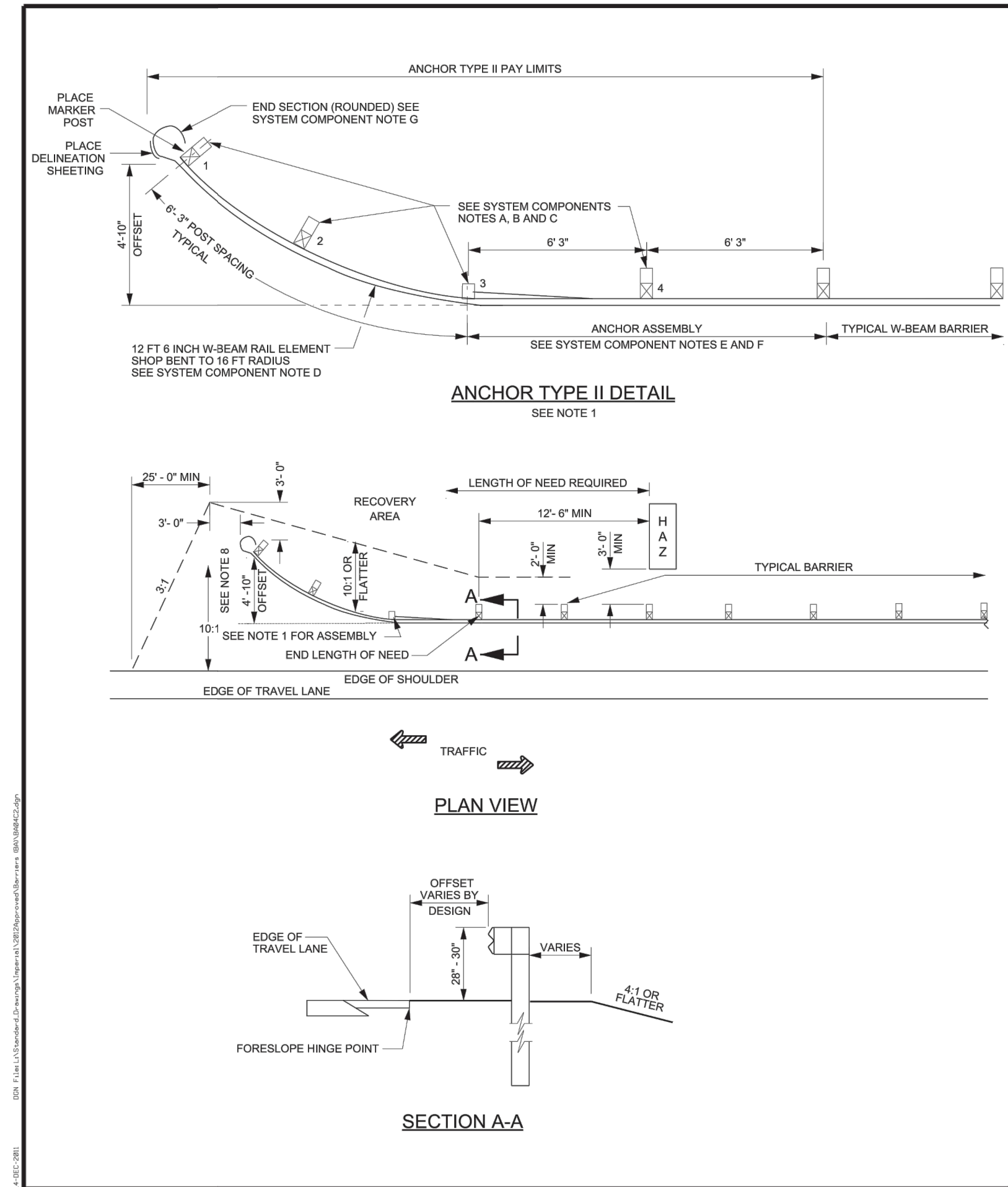


REVISIONS

NO.	DATE	DESCRIPTION

UTAH DEPARTMENT OF TRANSPORTATION
 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
 SALT LAKE CITY, UTAH
 RECOMMENDED FOR USE BY: [Signature]
 APPROVED: [Signature]
 CHAIRMAN: [Signature]
 UTILITY DIRECTOR: [Signature]

W-BEAM GUARDRAIL ANCHOR TYPE I
 STD. DWG. NO. BA 4C1



SYSTEM COMPONENTS:

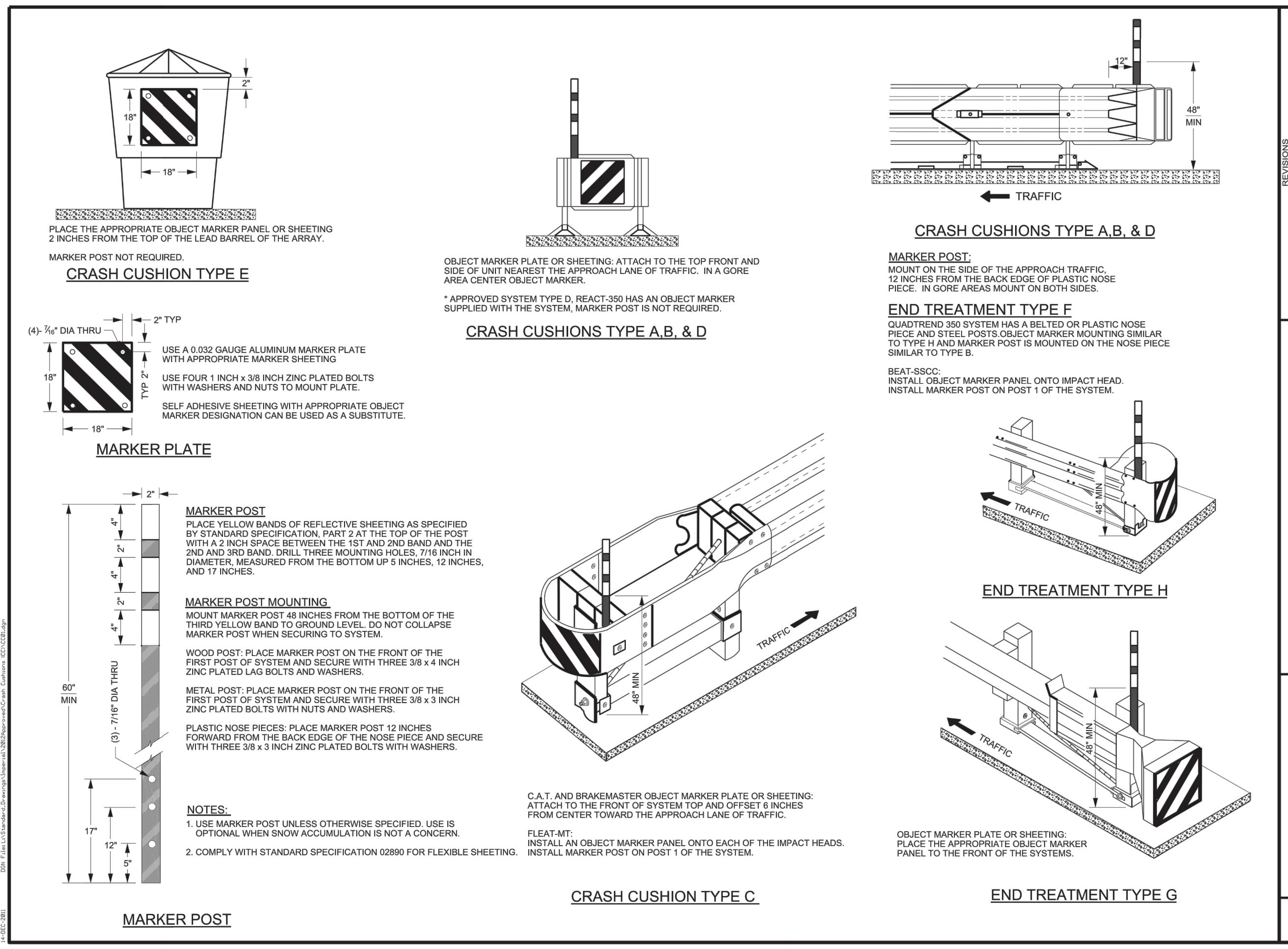
- USE FOUNDATION TUBES, ACCORDING TO STD DWG BA 4C1, AT POSTS 1, 2, AND 3.
- USE SHORTENED WOOD BREAKAWAY POST, ACCORDING TO STD DWG BA 4C1, AT POSTS 1, 2, AND 3.
- DO NOT INSTALL BLOCK AT POST 3.
- USE TYPICAL POST AND BLOCK AT POST 4.
- USE 12 FT 6 INCH RAIL, SHOP BENT TO A 16 FT RADIUS BETWEEN POSTS 1 AND 3.
- USE 12 FT 6 INCH ANCHOR RAIL ELEMENT, ACCORDING TO STD DWG BA 4C1, BETWEEN POSTS 3 AND END OF TYPICAL BARRIER RUN.
- USE ANCHOR BLOCK AND CABLE ASSEMBLY, ACCORDING TO STD DWG BA 4C1.
- USE ROUNDED END SECTION ACCORDING TO STD DWG BA 4C1.

NOTES:

- THIS IS A CRASH WORTHY ANCHOR SYSTEM.
- USE PERMITTED ON APPROACH END OF W-BEAM BARRIER WHEN DESIGN SPEED AND POSTED SPEED ARE LESS THAN OR EQUAL TO 40 MPH. MEET GRADING REQUIREMENTS FOR APPROACH END ACCORDING TO STD DWG CC 9B.
- USE ANCHORING SYSTEM ON TRAILING END OF W-BEAM BARRIER ON 2-LANE, 2-WAY ROADWAYS OR MULTILANE NON-DIVIDED ROADWAYS WHEN THE TYPICAL BARRIER END IS OFFSET AT OR BEYOND THE MINIMUM REQUIRED CLEAR ZONE OF OPPOSING TRAFFIC.
- USE AN APPROVED END TREATMENT, AS LISTED IN THE GUIDELINES FOR CRASH CUSHION AND BARRIER END TREATMENTS, CURRENT EDITION WHEN DOWNSTREAM BARRIER END IS OFFSET LESS THAN THE MINIMUM REQUIRED CLEAR ZONE OF OPPOSING TRAFFIC.
- USE PERMITTED ON THE END OF CONCRETE BARRIER WHEN A W-BEAM TRANSITION, STD DWG BA 4B2 IS INSTALLED.
- USE ON TANGENT OR FLARED BARRIER SYSTEMS.
- INSTALL MARKER POSTS AND SHEETING AS PER STD DWG CC 1 TYPE H DETAIL.
- USE OF THIS ANCHORAGE PERMITTED ON SLOPES STEEPER THAN 10:1 AND FLATTER OR EQUAL TO 6:1 WHEN PLACED WITH A BARRIER SYSTEM THAT HAS THE MINIMUM REQUIRED CLEAR ZONE OF OPPOSING TRAFFIC.

UTAH DEPARTMENT OF TRANSPORTATION
 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
 SALT LAKE CITY, UTAH
 RECOMMENDED FOR USE BY: [Signature]
 APPROVED: [Signature]
 CHAIRMAN: [Signature]
 UTILITY DIRECTOR: [Signature]

W-BEAM GUARDRAIL ANCHOR TYPE II
 STD. DWG. NO. BA 4C2

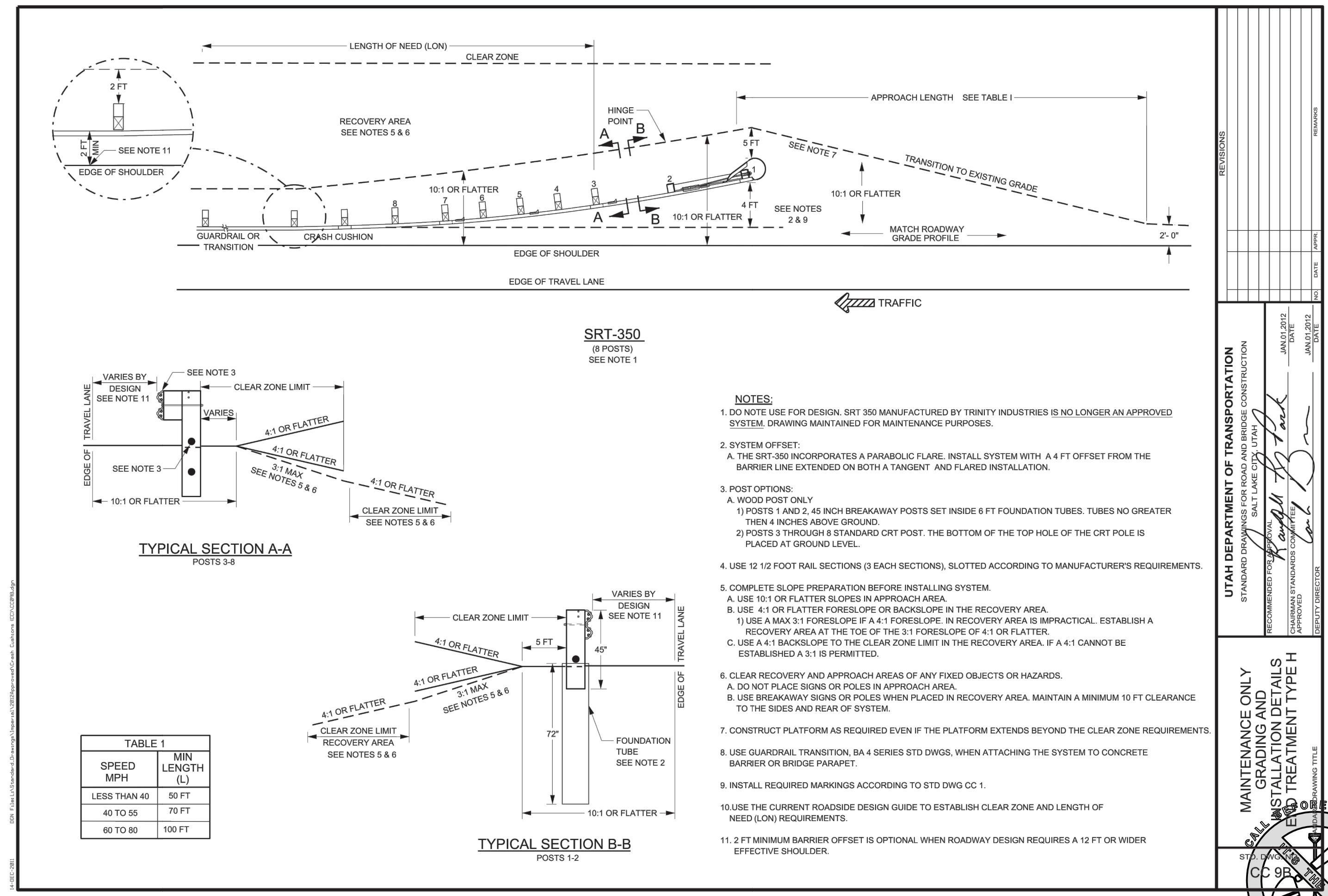


REVISIONS

NO.	DATE	DESCRIPTION

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 UTILITY DIRECTOR: [Signature]

CRASH CUSHION AND END TREATMENT MARKINGS
 STD. DWG. NO. CC 1



REVISIONS

NO.	DATE	DESCRIPTION

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 CHAIRMAN: [Signature]
 UTILITY DIRECTOR: [Signature]

MAINTENANCE ONLY INSTALLATION DETAILS END TREATMENT TYPE H
 STD. DWG. NO. CC 0B

PREPARED FOR: SUMMIT POWDER MOUNTAIN
 DATE SUBMITTED: 06.02.17
 MURRAY, UT 84407
 6217 SOUTH STATE STREET, SUITE 200
 801743.8800 TEL. 801743.0800 FAX

TALISMAN CIVIL CONSULTANTS

REGISTERED PROFESSIONAL ENGINEER
 RYAN W. CATHEY
 STATE OF UTAH
 No. 7899506

SHEET NUMBER
6.05

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.