

***SALT LAKE BASE AND MERIDIAN,
WEBER COUNTY, UTAH***

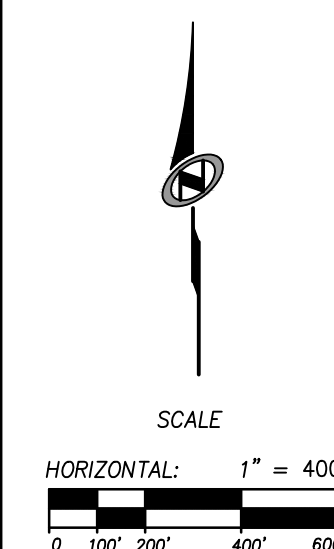


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1 OF 16

- 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.
- CONTRACTOR TO STRICTLY FOLLOW GEOTECHNICAL RECOMMENDATIONS FOR THIS PROJECT. ALL PRACTICES 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.
- TRAFFIC CONTROL, STRIPING & SIGNAGE TO CONFORM TO CURRENT UDOT TRANSPORTATION ENGINEER'S MANUAL AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- AT ALL LOCATIONS WHERE EXISTING PAVEMENT EXISTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES.
- 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 THOROUGH, REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
- 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.
- 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.
- CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND.
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL ENGINEER.
- CATCH BASINS SLOPES SHALL BE GRADED AS SPECIFIED ON GRADING PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLAGGING, CAUTION SIGNS, LIGHTS, BARRICADES, FLAGPERSONS, AND ALL OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- 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 SPECIFICATIONS.
- CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEM 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 THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING A BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT HE AWARDED THE CONTRACT, THEY HAVE RELIED AND ARE 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 OR DESIRABLE BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE THAT THEY HAD NO RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND/OR GOVERNING AGENCIES.
- 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.
- 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, INCLUDING ALL LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONTRACTOR OR THE ENGINEER.
- 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.
- 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. CONTRACTOR SHALL BE RESPONSIBLE FOR EXTRA COSTS DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
- 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.
- 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 PLANTING 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.
- 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.

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 MEASURES TO ADAPTATION TO AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.

28. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STRIPPING AND/OR PAVEMENT MARKINGS NECESSARY TO THE 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 FEET OR MORE. FOR EXCAVATIONS 4 FEET OR MORE IN DEPTH CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS, SECTION 60 - 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.

- CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRT UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE SERVICE, GAS SERVICE, CABLE, POWER, INTERNET.
- 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 LINES AND SERVICES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4448 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 IN INSTALLING NEW UTILITIES. UTILITIES AND SERVICE TO THE PROJECT.
- 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.
- CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF EXISTING UTILITIES. 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.
- ALL VALVES AND MANHOLE COVERS SHALL BE RAISED OR LOWERED TO MEET FINISHED GRADE.
- CONTRACTOR SHALL CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE.
- CONTRACTOR SHALL GROUT AT CONNECTION OF PIPE TO BOX OR MANHOLE WITH NON-SHRINKING GROUT, INCLUDING PIPE VOIDS LEFT BY CUTTING PROCESS, TO A SMOOTH FINISH.
- CONTRACTOR SHALL GROUT WITH NON-SHRINK GROUT BETWEEN GRADE RINGS AND BETWEEN BOTTOM OF INLET LID FRAME 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.
- CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE RINGS AND INLET PIPES TO ALLOW ACCESS.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES BY WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.
- MAINTAIN A MINIMUM 18" VERTICAL SEPARATION DISTANCE BETWEEN ALL UTILITY CROSSINGS. AT WATER/SEWER CROSSINGS, WATER IS REQUIRED TO CROSS ABOVE SANITARY SEWER UNLESS AN EXCEPTION HAS BEEN GRANTED BY THE UTAH DIVISION OF DRINKING WATER.
- CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES.
- ALL BOLTED FITTINGS MUST BE GREASED AND WRAPPED.
- UNLESS SPECIFICALLY NOTED OTHERWISE, MAINTAIN AT LEAST 2 FEET OF COVER OVER ALL STORM DRAIN LINES AT ALL TIMES (INCLUDING DURING CONSTRUCTION).
- ALL WATER LINES SHALL BE INSTALLED A MINIMUM OF 84" OF COVER TO TOP OF PIPE BELOW FINISHED GRADE AND BE INSULATED PER WATER DISTRICT STANDARDS.
- ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET, PIPE EDGE TO PIPE EDGE, FROM THE WATER LINES.
- CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS, CROSSES AND TEES.
- ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK AND STREET PAVING.
- CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL UTILITIES.
- THE CONTRACTOR SHALL NOTIFY TALISMAN CIVIL CONSULTANTS, LLC, 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.
- UNDER NO CIRCUMSTANCE SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH.
- THE CONTRACTOR SHALL MARK ALL UNDERGROUND UTILITIES IN LOCATIONS WHERE UTILITIES ARE NOT LOCATED WITHIN A ROADWAY. THE CONTRACTOR SHALL MARK UTILITIES AT DRAINAGE POINTS, PCS, AND PTS WITH A 2" REBAR STAKE INSTALLED FLUSH TO GRADE. SURVEY ALL LOCATIONS AND PROVIDE GPS COORDINATES WITH AS-BUILT DRAWINGS.
- ANY CHANGES TO THE ROAD GRADE OR PROFILE NEED TO BE APPROVED BY POWDER MOUNTAIN AND PROJECT ENGINEER, AS THIS MAY AFFECT THE FINAL BURIED DEPTH OF WATER LINES.
- PROVIDE AND INSTALL FIRE HYDRANT IDENTIFICATION FLAGS ON ALL FIRE HYDRANTS WITHIN PROJECT PER POWDER MOUNTAIN RECOMMENDATIONS.
- ALL FLUSHING SHALL BE OVERSEEN BY PMWSID. PROVIDE 48 HOURS NOTICE PRIOR TO FLUSHING.
- ALL WORK ON WATER AND SEWER INFRASTRUCTURE REQUIRES INSPECTION BY PMWSID. PROVIDE 48 HOURS NOTICE PRIOR TO WORK COMMENCEMENT.
- NO CONSTRUCTION WATER SHALL BE TAKEN FROM THE EXISTING WATER SYSTEM WITHOUT APPROVAL FROM THE DISTRICT.

PWMSID STANDARDS AND SPECIFICATIONS SHALL BE ADHERED TO THROUGHOUT CONSTRUCTION. BELOW ARE SUPPLEMENTAL SEWER SPECIFICATIONS THAT SHALL BE ADHERED TO.

303.7 CURVED GRAVITY FLOW MAIN LINES

A. GRAVITY FLOW MAIN LINES MAY BE DESIGNED AND CONSTRUCTED ON CURVILINEAR HORIZONTAL AND VERTICAL ALIGNMENTS ON A CASE BY CASE BASIS AS APPROVED BY PWMSID. IF THE USE OF CURVILINEAR LINES IS APPROVED THE FOLLOWING CRITERIA SHALL APPLY.

B. PIPE MATERIAL SHALL BE HDPE MEETING THE REQUIREMENTS OF SECTION 402.2.

C. THE NUMBER OF HORIZONTAL AND VERTICAL CURVES IN A LINE SEGMENT SHALL BE MINIMIZED.

D. ADDITIONAL CONSTRUCTION AND AS-CONSTRUCTED SURVEYING WILL BE REQUIRED TO PROVIDE ACCURATE LOCATION INFORMATION FOR THE AS-CONSTRUCTED LINE. THE INSTALLED PIPE MUST BE SURVEYED BY A QUALIFIED SURVEYOR EVERY 25' TO DETERMINE PROPER HORIZONTAL AND VERTICAL PLACEMENT. THIS INFORMATION SHALL BE INDICATED ON THE RECORD DRAWINGS.

E. MINIMUM SLOPE: .5% UNLESS THE FOLLOWING SPECIAL CONSTRUCTION PROCEDURES ARE USED IN WHICH CASE .3% MINIMUM.

1. INSTALLED PIPE MUST BE SURVEYED BY A QUALIFIED SURVEYOR EVERY 10' TO DEMONSTRATE THAT A .3% SLOPE IS MAINTAINED.
2. ANY LINE SEGMENT THAT HAS ANY PORTION OF THE SURVEYED LINE WITH A SLOPE LESS THAN 2.5% SHALL BE RE-INSTALLED.
3. SURVEY NOTES SHALL BE SUBMITTED TO PWMSID TO DEMONSTRATE COMPLIANCE WITH THESE REQUIREMENTS.
4. THE PARTY RESPONSIBLE FOR PERFORMING THE SURVEY AND SUBMITTING SURVEY NOTES SHALL BE DETERMINED DURING THE PRE-CONSTRUCTION MEETING.

G. MINIMUM RADIUS OF HORIZONTAL AND VERTICAL CURVES: 100' UNLESS SPECIFICALLY APPROVED BY THE DISTRICT ENGINEER IN WHICH CASE SPECIAL CONSTRUCTION PROCEDURES SIMILAR TO THOSE CONTAINED IN PARAGRAPH E SHALL BE USED. RADII LESS THAN 50' SHALL NOT BE ALLOWED.

H. THE CONSTRUCTION METHODS AND PROCEDURES THAT WILL BE USED TO ASSURE THAT THE LINES ARE CONSTRUCTED TO THE DESIGN HORIZONTAL AND VERTICAL ALIGNMENT SHALL BE SUBMITTED AND APPROVED BY PWMSID.

402.2 HIGH DENSITY POLYETHYLENE (HDPE) PIPE

A. MATERIALS: VIRGIN RESINS, CELL CLASSIFICATION MEETING OR EXCEEDING PE 345464C AS DEFINED IN ASTM D 3350. RESINS SHALL BE LISTED BY THE PIPE MATERIAL INSTITUTE IN ITS PIPE-GRADE REGISTRY TR-4.

B. PIPE AND FITTINGS:

1. ASTM MATERIAL DESIGNATION CODE: PE 3608/3408 OR PE 4710 HIGH DENSITY, EXTRA HIGH MOLECULAR WEIGHT.
2. SDR 17 IN ACCORDANCE WITH ASTM F 714.
3. OUTSIDE DIAMETER TO BE DUCTILE IRON PIPE SIZE (DIPS) OR IRON PIPE SIZE (IPS).
4. MARKED IN ACCORDANCE WITH ASTM F 714.
5. PIPE SHALL BE MANUFACTURED WITH AN INTEGRAL COLOR-CODED STRIPE OF HDPE, COLOR GREEN.

C. FITTINGS FOR PRIVATE LATERAL LINES:

1. NO MOLDED HDPE FITTINGS WILL BE ALLOWED.
2. 45-DEGREE BENDS SHALL BE FUSION WELDED SEAMLESS LONG RADIUS HDPE SWEEP BENDS, OR FUSION WELDED 3 SEGMENT FABRICATED HDPE FITTINGS.
3. WYES FOR CLEANOUTS SHALL BE FABRICATED FUSION WELDED FITTING.
4. THE SDR OF THE FITTING SHALL MATCH THE SDR OF THE ADJOINING PIPE.

D. JOINTS:

1. ZERO LEAK-RATE HEAT-FUSION JOINT CONFORMING TO ASTM D 3261.
2. HDPE GRAVITY LINES 8" AND LARGER SHALL HAVE THE INTERNAL BEAD RESULTING FROM THE HEAT-FUSION PROCESS REMOVED AND EXTRACTED FROM THE PIPE DURING THE COOLING STAGE OF THE FUSION PROCESS.
3. THE BEAD REMOVAL PROCESS SHALL BE IN ACCORDANCE WITH THE BEAD REMOVAL EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
4. THE EXTRACTED FUSION BEAD SHALL BE SUBJECTED TO VISUAL INSPECTION AND DISINFECTION PER SECTION 516.8.

E. MINIMUM SLOPE REQUIREMENTS IN ACCORDANCE WITH SECTION 303.7 SHALL APPLY.

402.3 POLYVINYL CHLORIDE (PVC) PIPE

A. MATERIAL: PVC PLASTIC HAVING A CELL CLASSIFICATION OF 12364 OR 12454 AS DEFINED IN ASTM D1784

B. PIPE:

1. 4" THRU 15" DIAMETER: ASTM D 3034, SDR-35.
2. 18" THRU 48": ASTM F 679 (LARGE DIAMETER SOLID WALL), SDR 35.
3. MINIMUM PIPE STIFFNESS SHALL BE 46 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D 2412.

C. FITTINGS:

1. GASKETED WELD FITTINGS CONFORMING TO ASTM F- 1336.
2. SOLVENT WELD PVC FITTINGS MEETING ASTM D3034 MAY BE USED ON 4" AND 6" PRIVATE LATERALS. GASKETED FITTINGS SHALL NOT BE USED FOR SOLVENT WELDING.

D. JOINTS:

1. INTEGRAL BEEL GASKETED JOINTS CONFORMING TO ASTM D3212. RUBBER GASKETS SHALL BE FACTORY INSTALLED AND CONFORM TO ASTM F 477.

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 COUNTY. INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

THE CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO COORDINATE WITH UTAH DEPARTMENT OF TRANSPORTATION TO ARRANGE FOR CONSTRUCTION WATER AND WILL BE REQUIRED 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.

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

THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) 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 RAIN EVENT. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.

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

- SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED
- TRACKING STRAW PERPENDICULAR TO SLOPES
- INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

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 SEEDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL VEGETATION 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.
- INSTALL 15' x 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN.
- STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.
- INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF PROJECT PRIOR TO GRADING.

ANY EXPOSED SLOPE MUST BE RESEEDING BY SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED. USE THE FOLLOWING SEED MIXTURE.

i.	MOUNTAIN BROME	7.50 lb/AC
ii.	SLENDER WHEATGRASS	6.25 lb/AC
iii.	WESTERN WHEATGRASS	5.00 lb/AC
iv.	IDAHO FESCUE	2.50 lb/AC
v.	SANDBERG BLUEGRASS	1.25 lb/AC
vi.	BIG BLUEGRASS	1.25 lb/AC
vii.	BLUEBUNCH WHEATGRASS	1.25 lb/AC
viii.	ROCKY MOUNTAIN PENSTEMON	1.00 lb/AC
ix.	MOUNTAIN LUPINE	2.00 lb/AC
x.	SHOWY GOLDENEYE	0.50 lb/AC
xi.	WESTERN YARROW	0.25 lb/AC
xii.	BLUE FLAX	1.25 lb/AC

1. ALL MATERIALS THAT MAY COME IN CONTACT WITH DRINKING WATER, INCLUDING PIPES, GASKETS, LUBRICANTS AND O-RINGS, SHALL BE ANSI-CERTIFIED AS MEETING THE REQUIREMENTS OF ANSI/NSF STANDARD 61, DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS, TO PERMIT FIELD-VERIFICATION OF THIS CERTIFICATION, ALL COMPONENTS SHALL BE APPROPRIATELY STAMPED WITH THE ANSI LOGO.
2. PIPE, JOINTS, FITTINGS, VALVES, AND FIRE HYDRANTS SHALL CONFORM TO ANSI/NSF STANDARD 61, AND APPLICABLE SECTIONS OF AWWA STANDARDS C104-A21.4-08 THROUGH C550-05 AND C900-07 THROUGH C950-07.
3. FOR PVC PIPE, ASTM D2774, RECOMMENDED PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING AND PVC PIPE AND AWWA MANUAL OF PRACTICE M23.
4. FOR HDPE PIPE, ASTM D2774, RECOMMENDED PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING AND AWWA MANUAL OF PRACTICE M55.
5. ALL TYPES OF INSTALLED PIPE SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600-10.
6. THE OPEN ENDS OF ALL PIPELINES UNDER CONSTRUCTION SHALL BE COVERED AND EFFECTUALLY SEALED AT THE END OF THE DAY'S WORK.
7. ALL WATER MAINS OR APURTANCES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C600-10. IF METRICALLY APPROVED BY PMWSID, THE SPECIFICATIONS SHALL INCLUDE DETAILED PROCEDURES FOR THE ADEQUATE FLUSHING, DISINFECTION AND MICROBIOLOGICAL TESTING OF ALL WATER MAINS. ON ALL NEW AND EXTENSIVE DISTRIBUTION SYSTEM CONSTRUCTION, EVIDENCE OF SATISFACTORY DISINFECTION SHALL BE PROVIDED TO PMWSID. SAMPLES FOR COLIFORM ANALYSES SHALL BE COLLECTED AFTER DISINFECTION IS COMPLETED. THE SYSTEM IS REFILLED WITH DRINKING WATER STANDARD METEOROLOGICAL AND HYDROLOGICAL DATA. THE WATER FOR PUBLIC DRINKING WATER PURPOSES SHALL NOT COMMENCE UNTIL THE BACTERIOLOGIC TESTS INDICATE THE WATER IS FREE FROM CONTAMINATION.

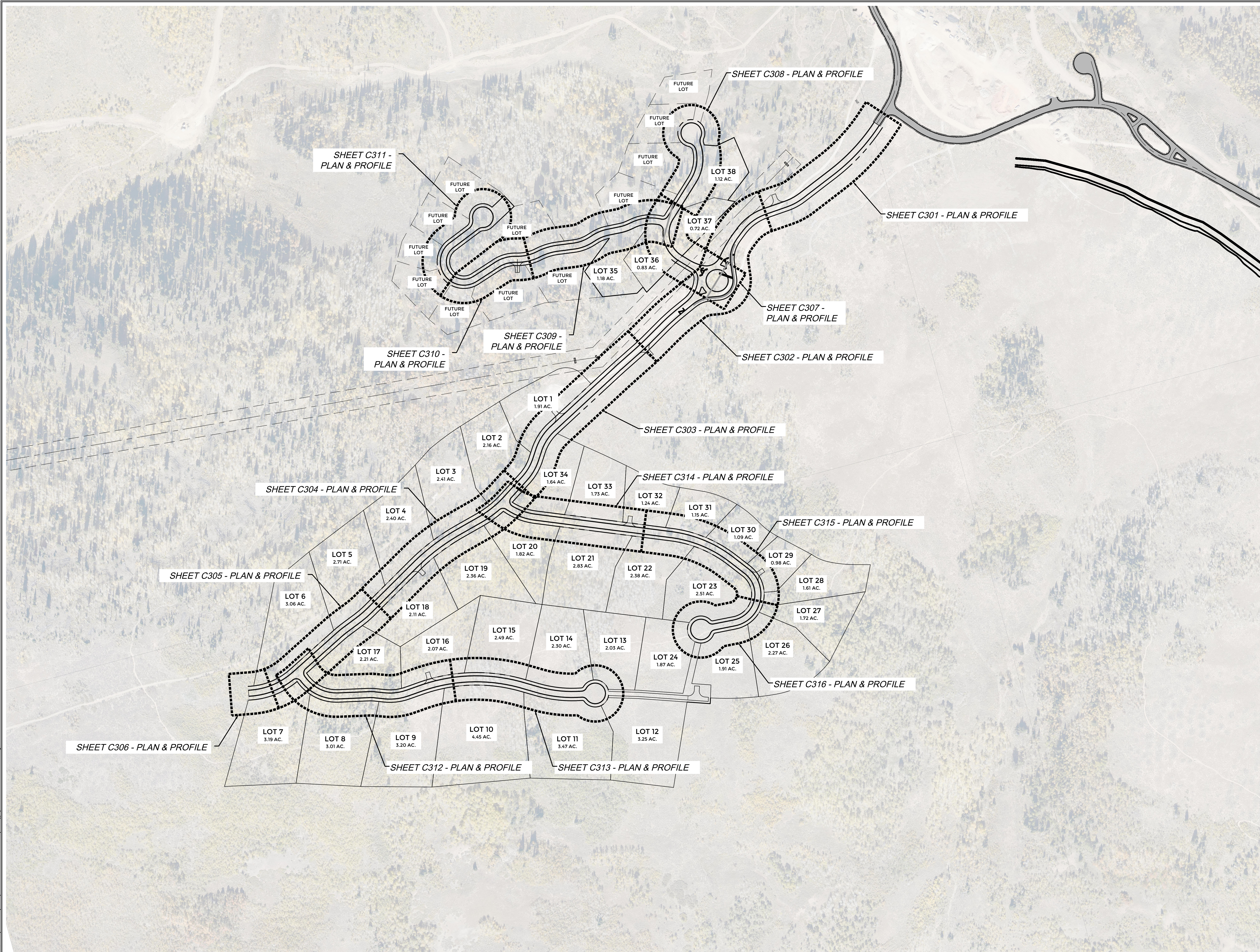
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TCC JOB NUMBER: 25-220-12

DER MOUNTAIN

PRADO PHASE 1

GENERAL NOTES

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POWDER MOUNTAIN

PRADO PHASE 1

OVERALL ROADWAY PLAN & PROFILE KEY MAP

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



HORIZONTAL: 1" = 200'

SHEET NUMBER

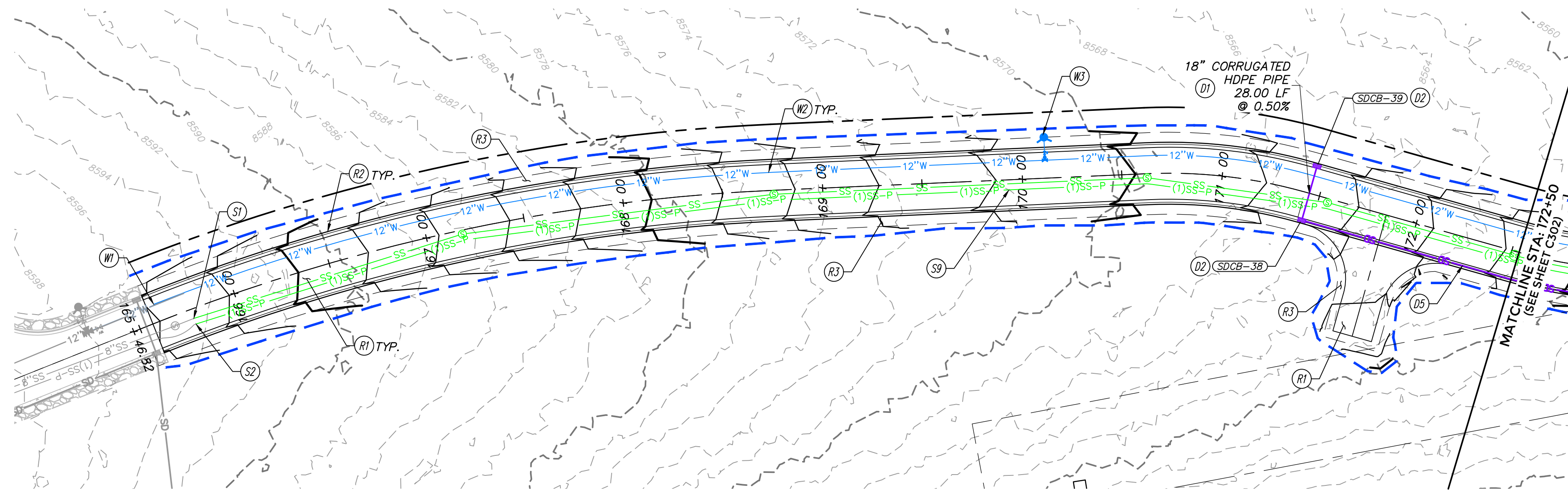
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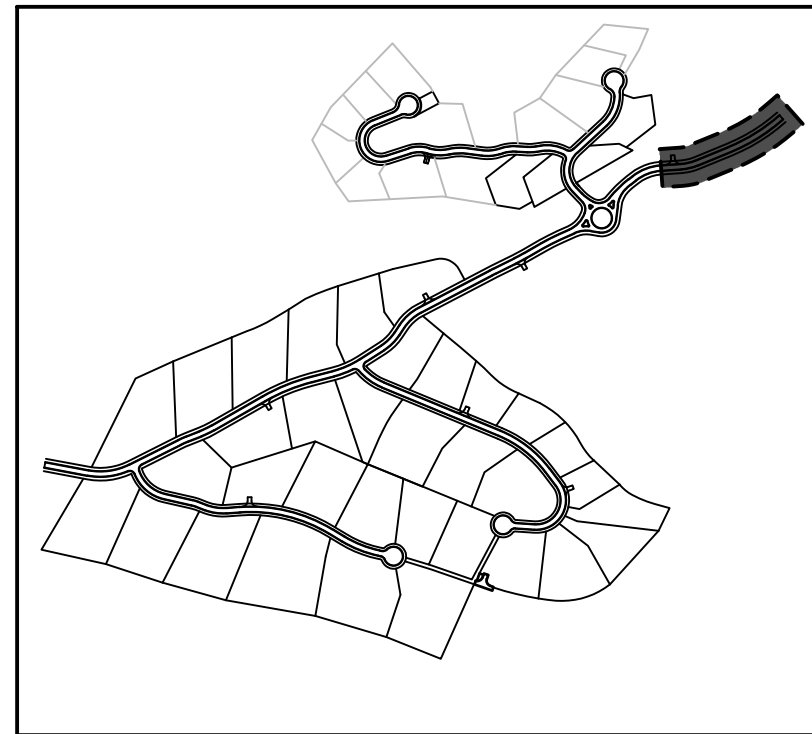


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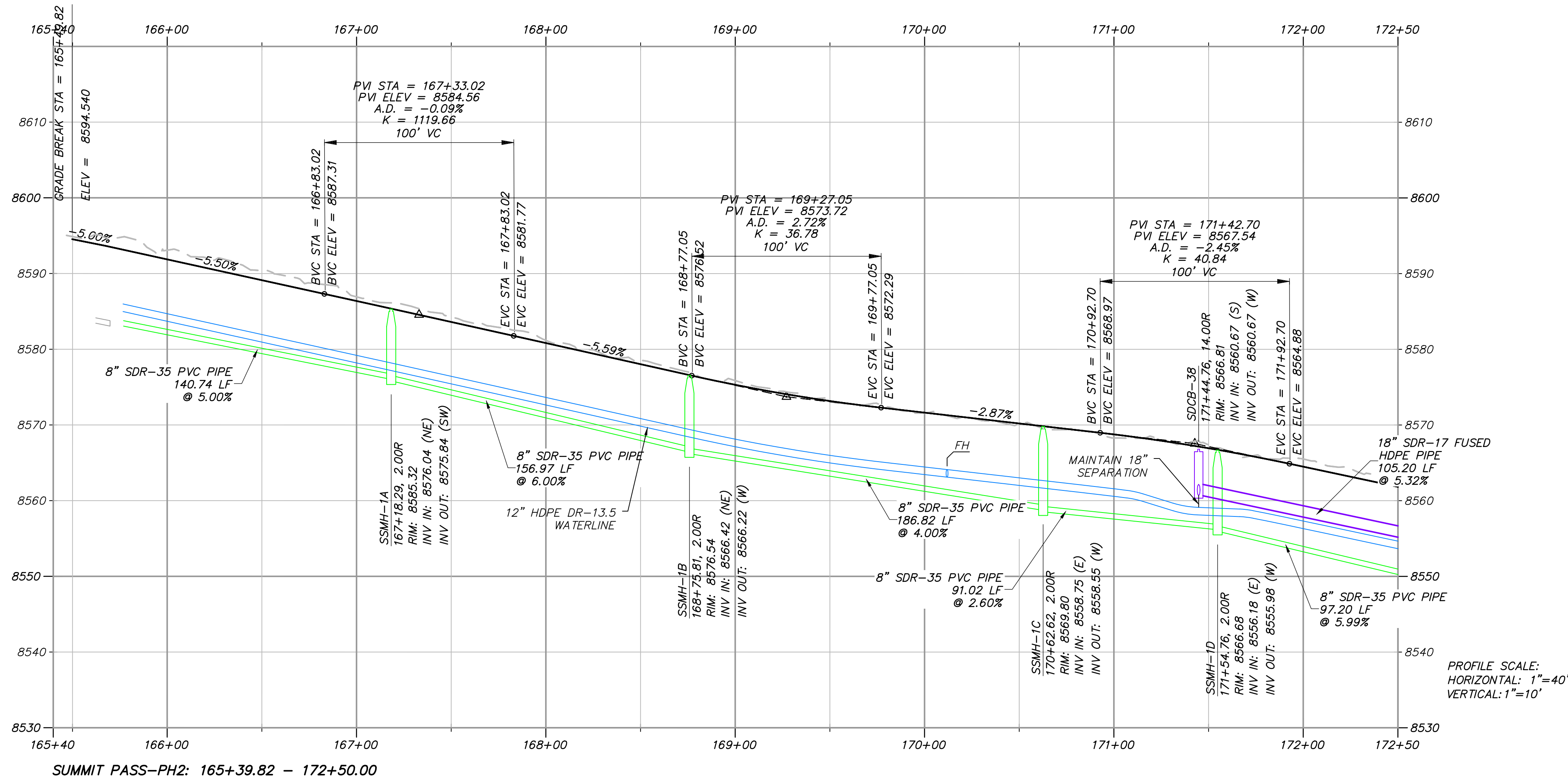
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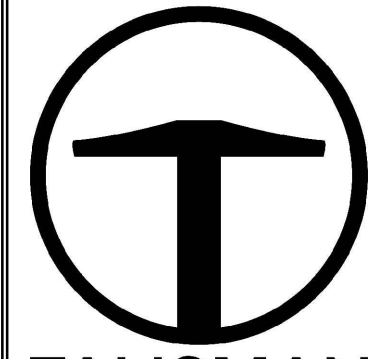
SUMMIT PASS STA 165+40 - 172+50



OVERALL SITE KEY



PLAN AND PROFILE KEYNOTES	
(R)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10" WIDE x 20" LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(DS)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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POWDER MOUNTAIN
PRADO PHASE 1
SUMMIT PASS - PLAN & PROFILE

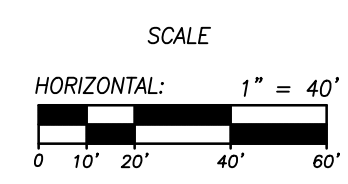
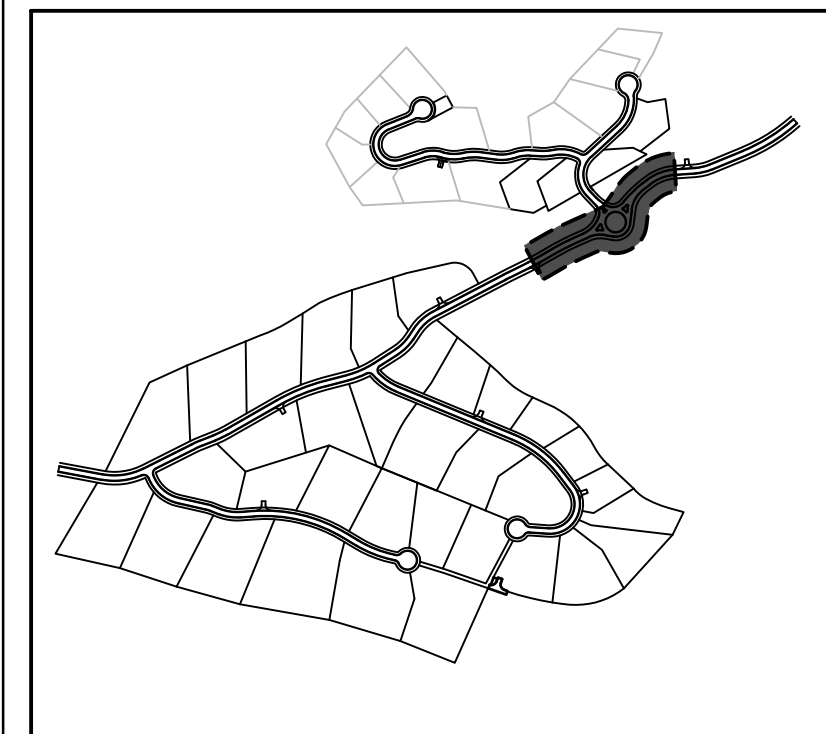
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TCC JOB NUMBER: 25-220-12

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C301

5 OF 46



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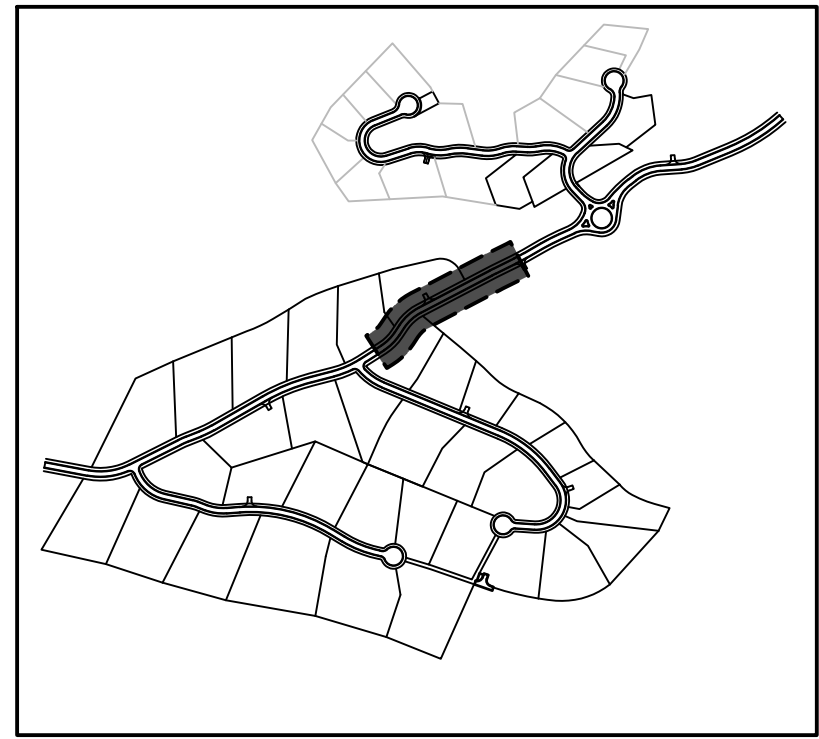
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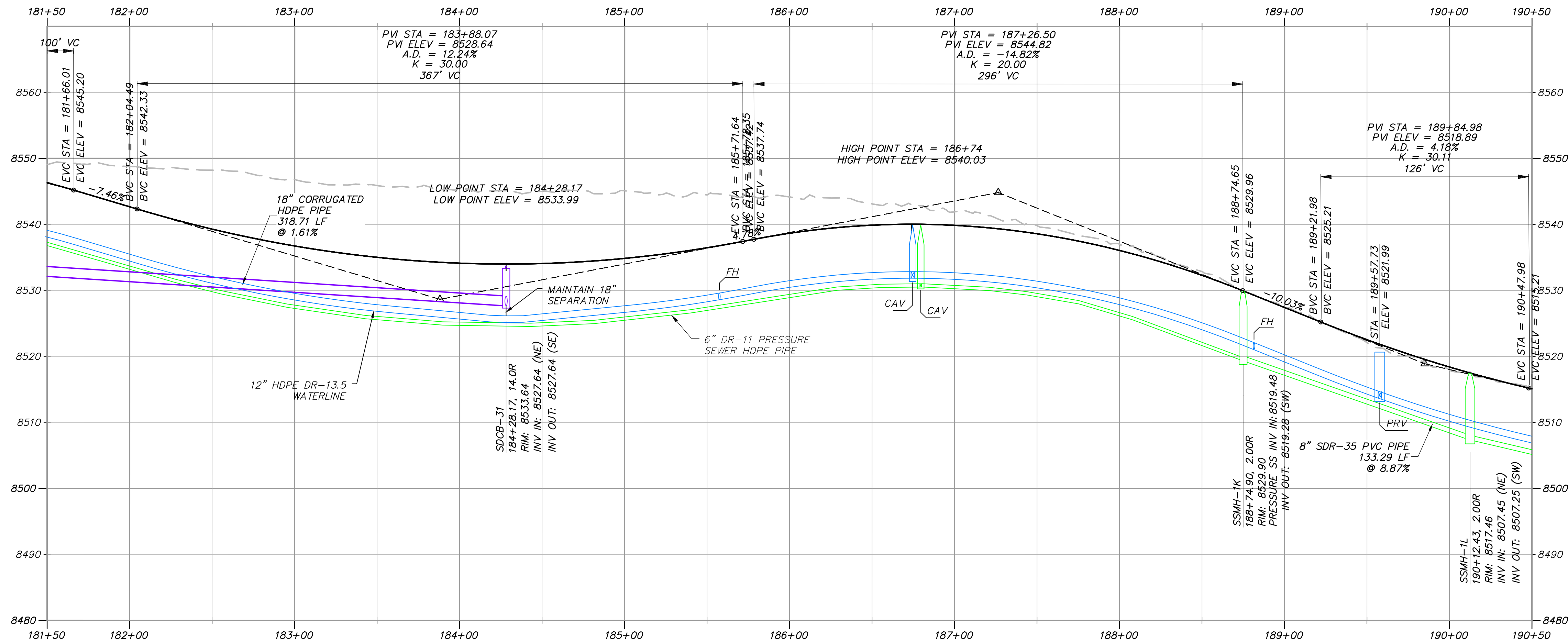
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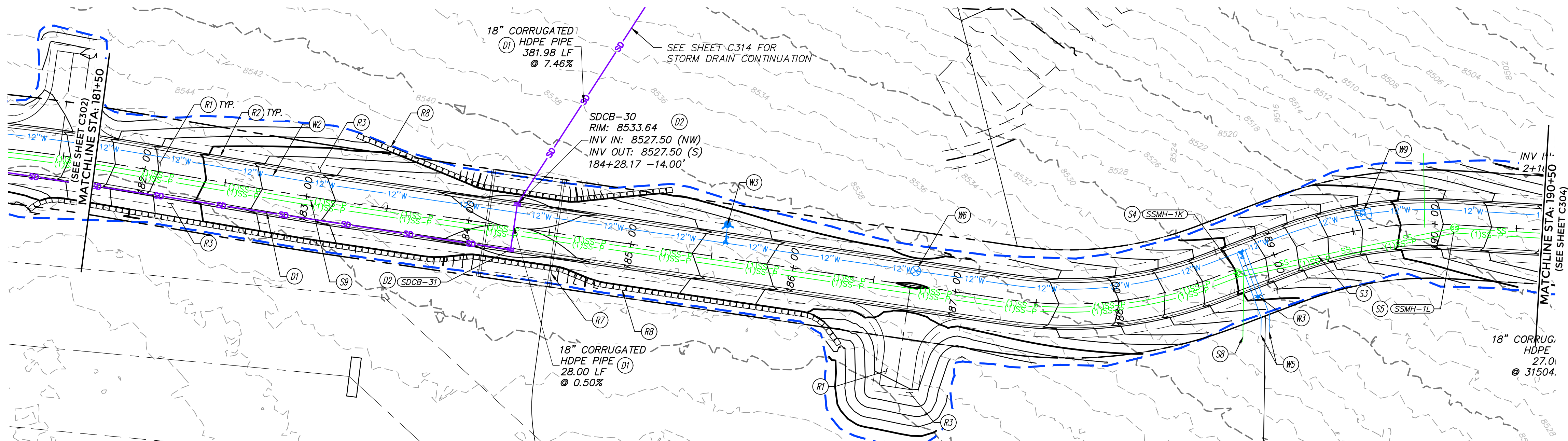
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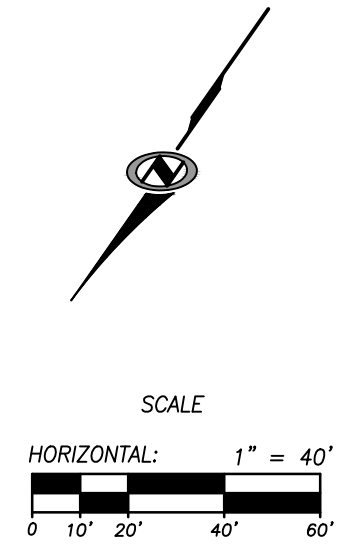
OVERALL SITE KEY



SUMMIT PASS-PH2: 181+50.00 - 190+50.00

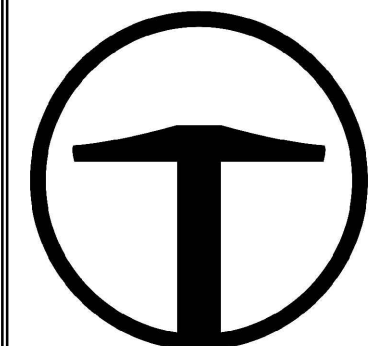


SUMMIT PASS STA 181+50 - 190+50



PLAN AND PROFILE KEYNOTES

(R)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10" WIDE x 20" LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(DS)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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POWDER MOUNTAIN
PRADO PHASE 1
SUMMIT PASS - PLAN & PROFILE

TCC JOB NUMBER: 25-220-12

DATE: 10.22.2025

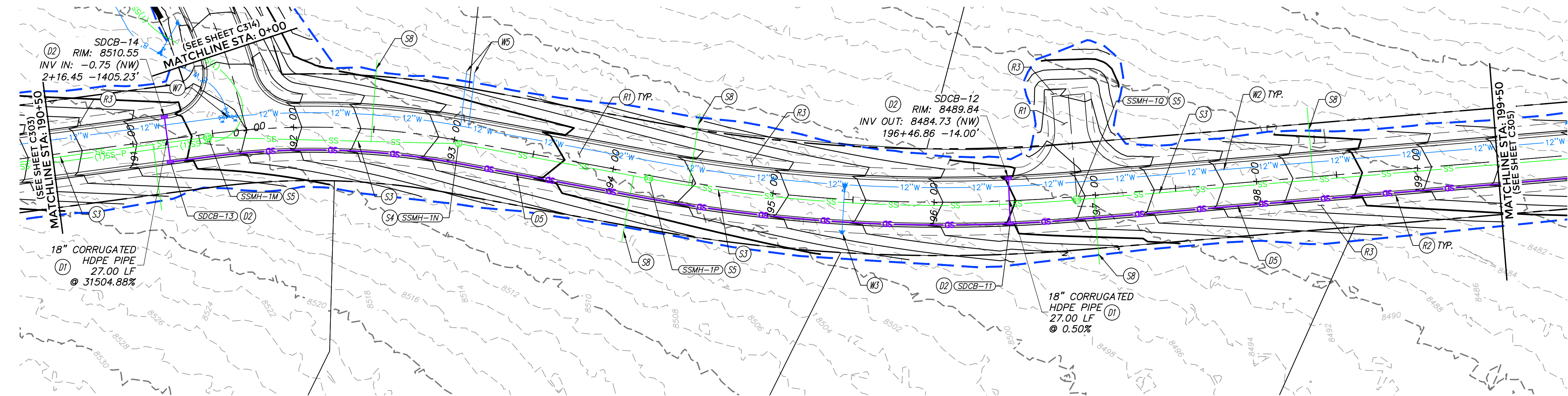
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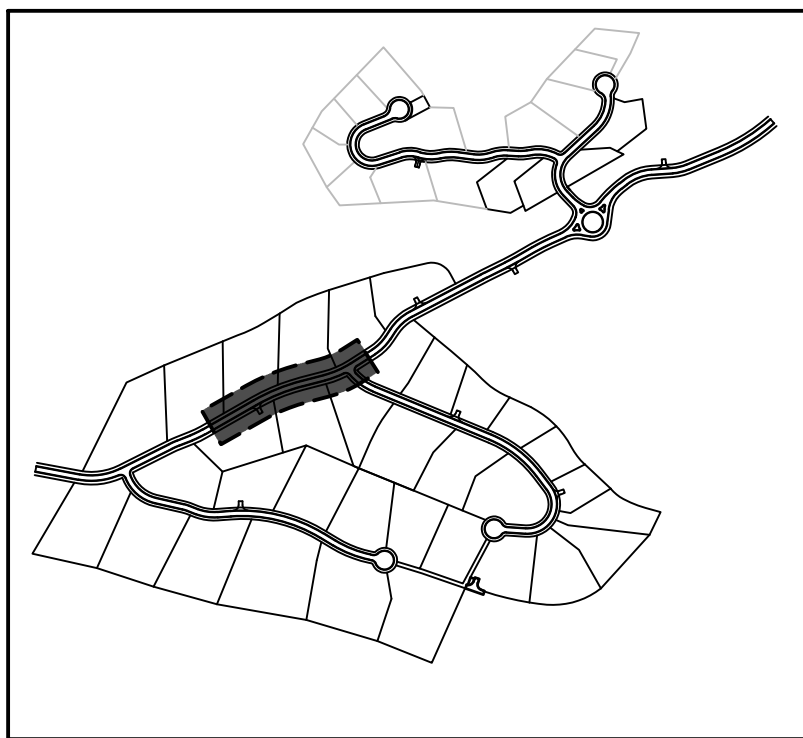
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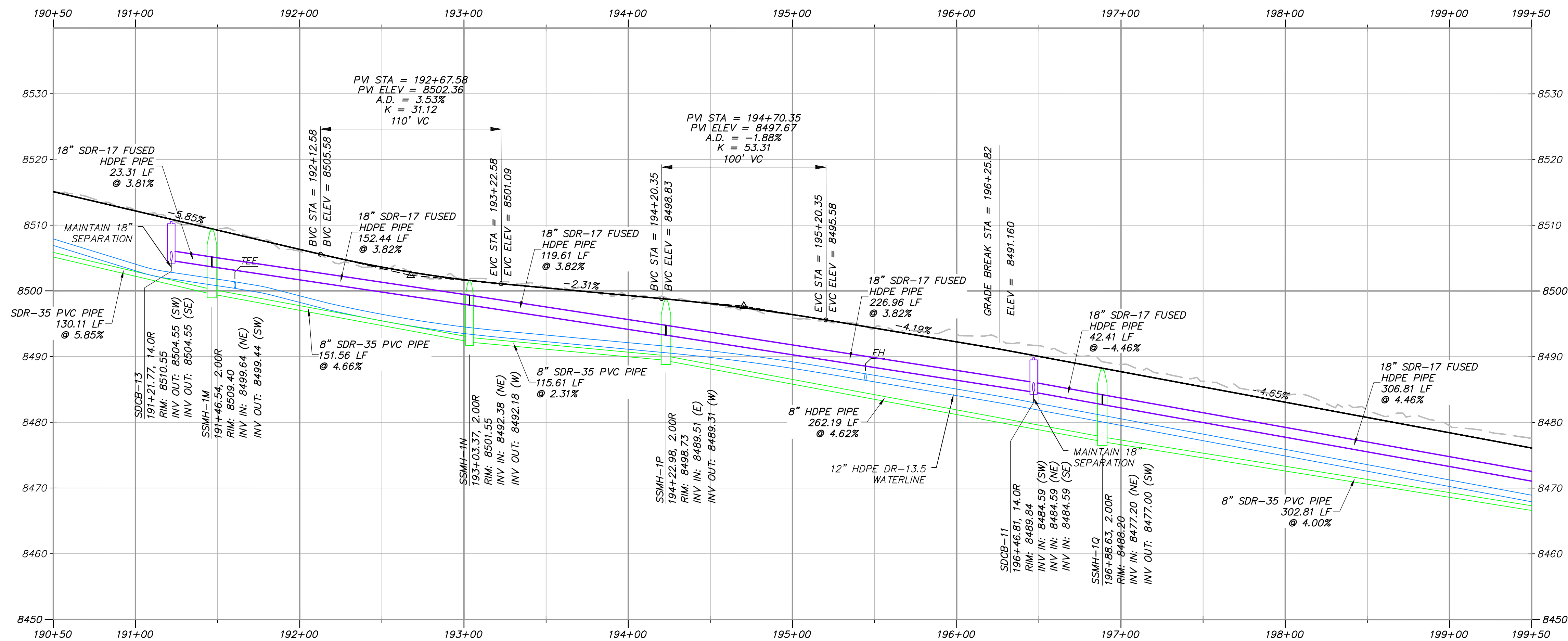
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SUMMIT PASS STA 190+50 - STA 199+50



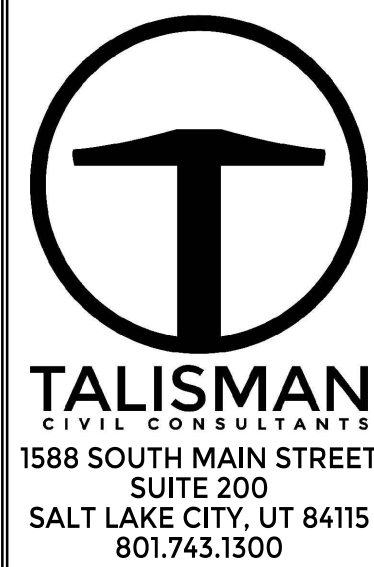
OVERALL SITE KEY



SUMMIT PASS-PH2: 190+50.00 - 199+50.00

PLAN AND PROFILE KEYNOTES

(R1)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10" WIDE x 20" LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(SS)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
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(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



POWDER MOUNTAIN
PRADO PHASE 1
SUMMIT PASS - PLAN & PROFILE

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

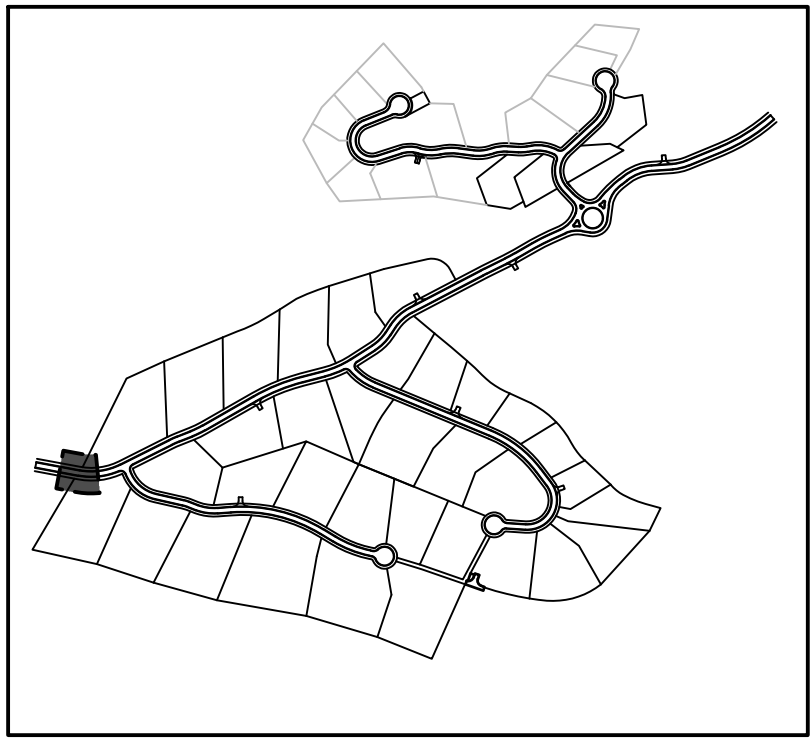
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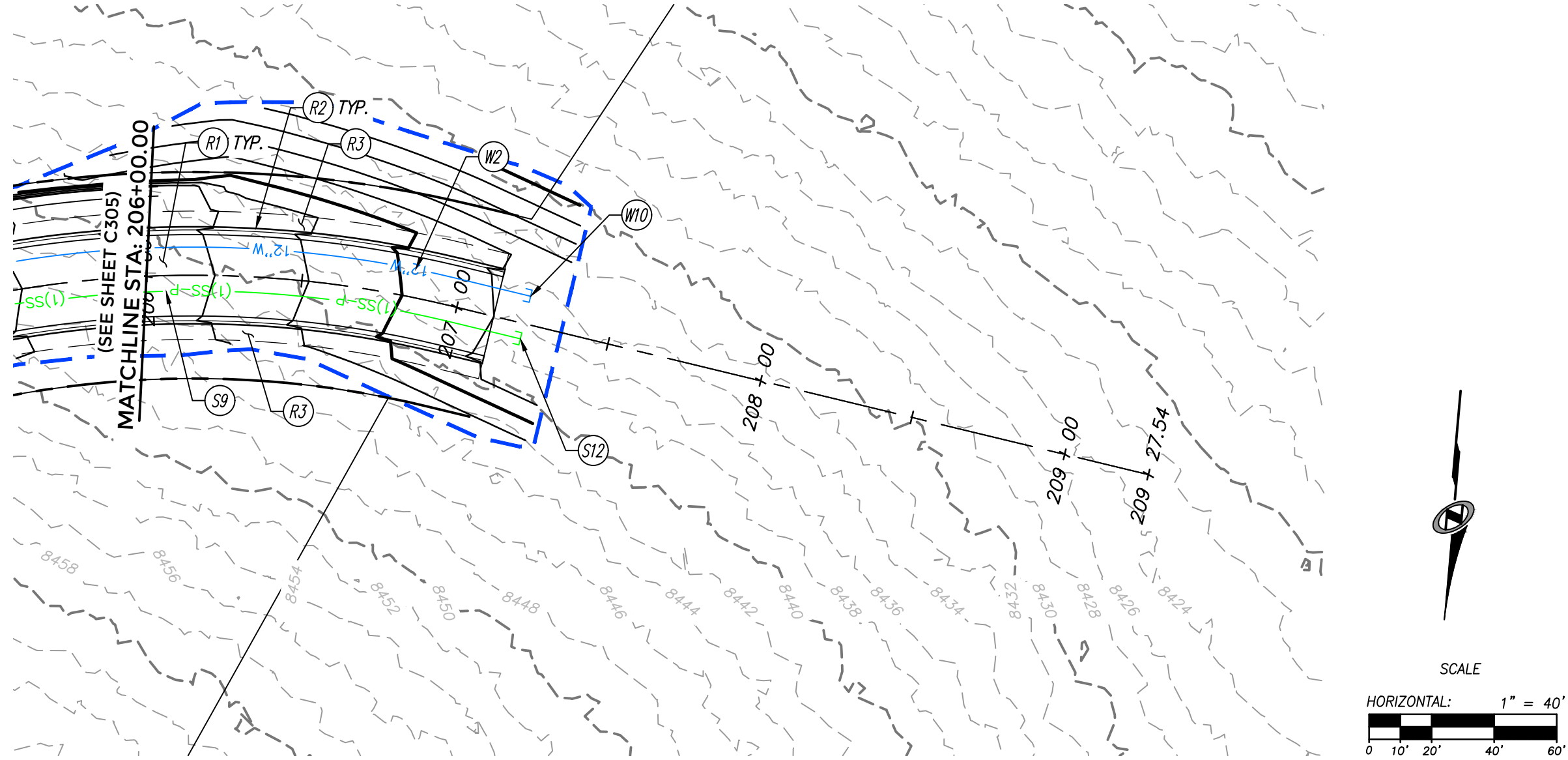


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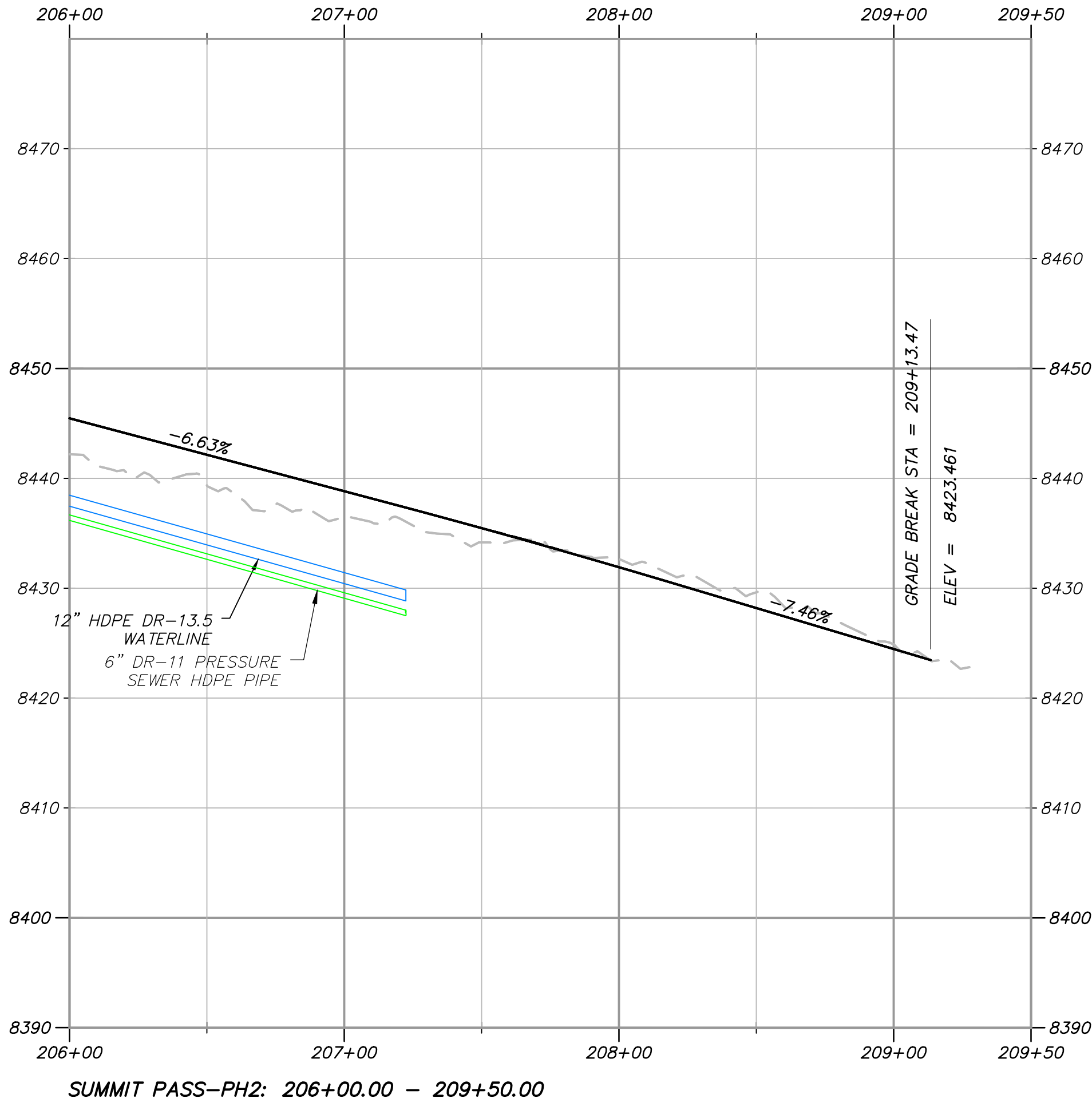
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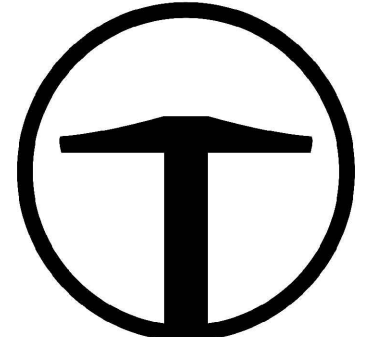


SUMMIT PASS STA 206+00 - 209+28



SUMMIT PASS-PH2: 206+00.00 - 209+50.00

PLAN AND PROFILE KEYNOTES	
(R4)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
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(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
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(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
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(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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SUITE 200
SALT LAKE CITY, UT 84115
801.743.1300

POWDER MOUNTAIN
PRADO PHASE 1
SUMMIT PASS - PLAN & PROFILE

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

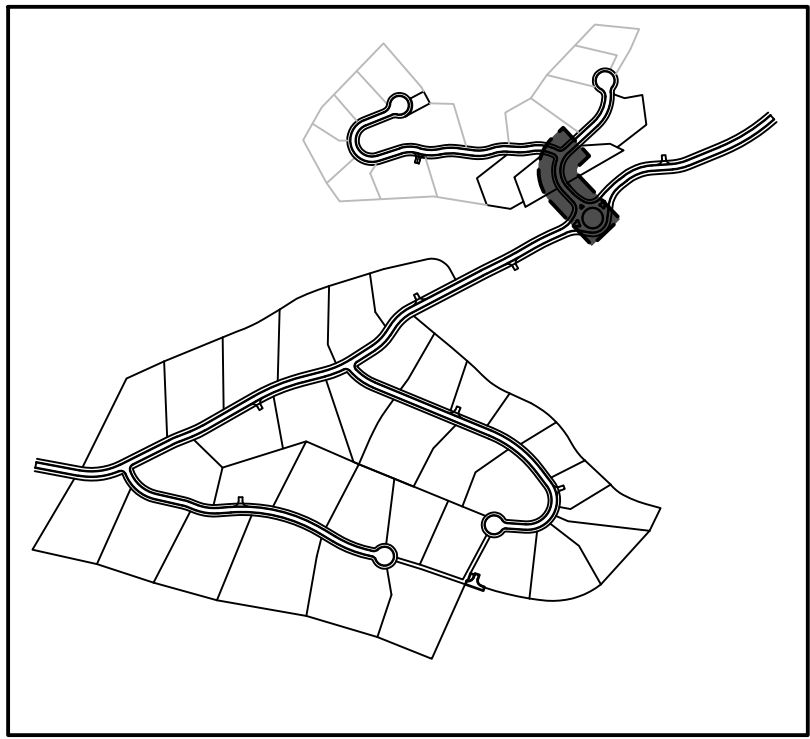
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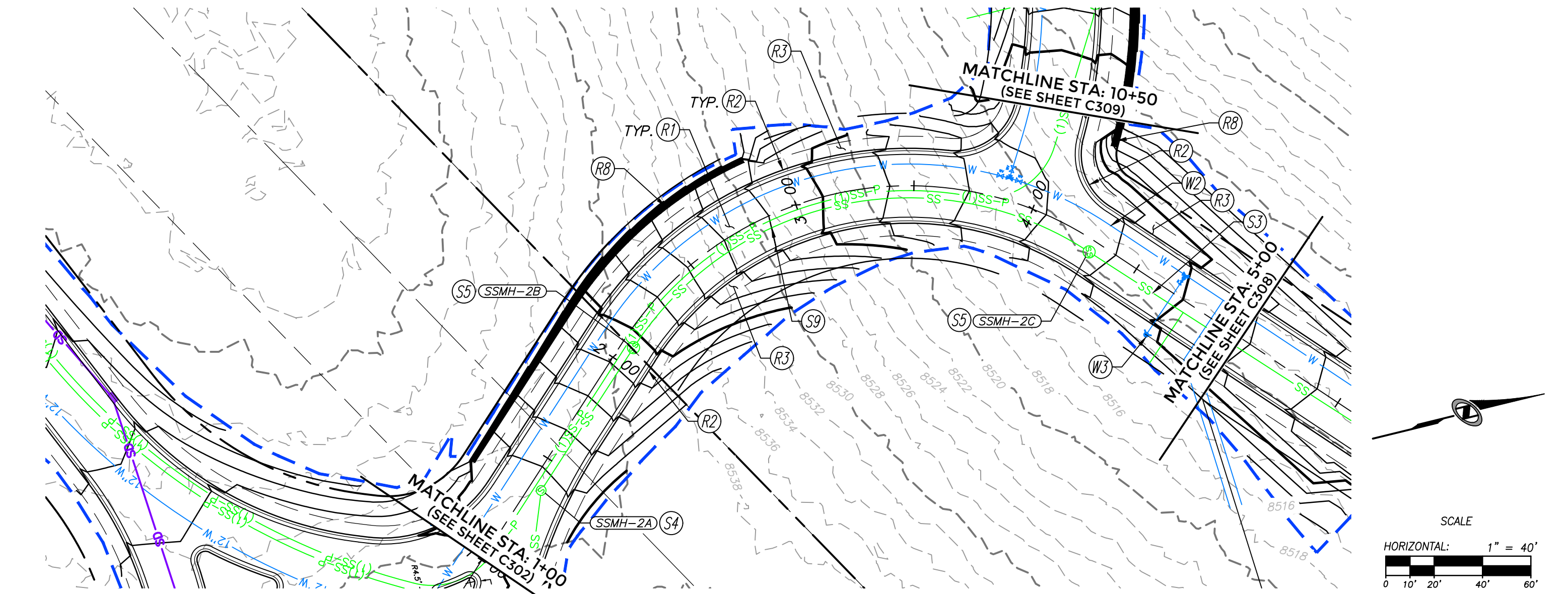
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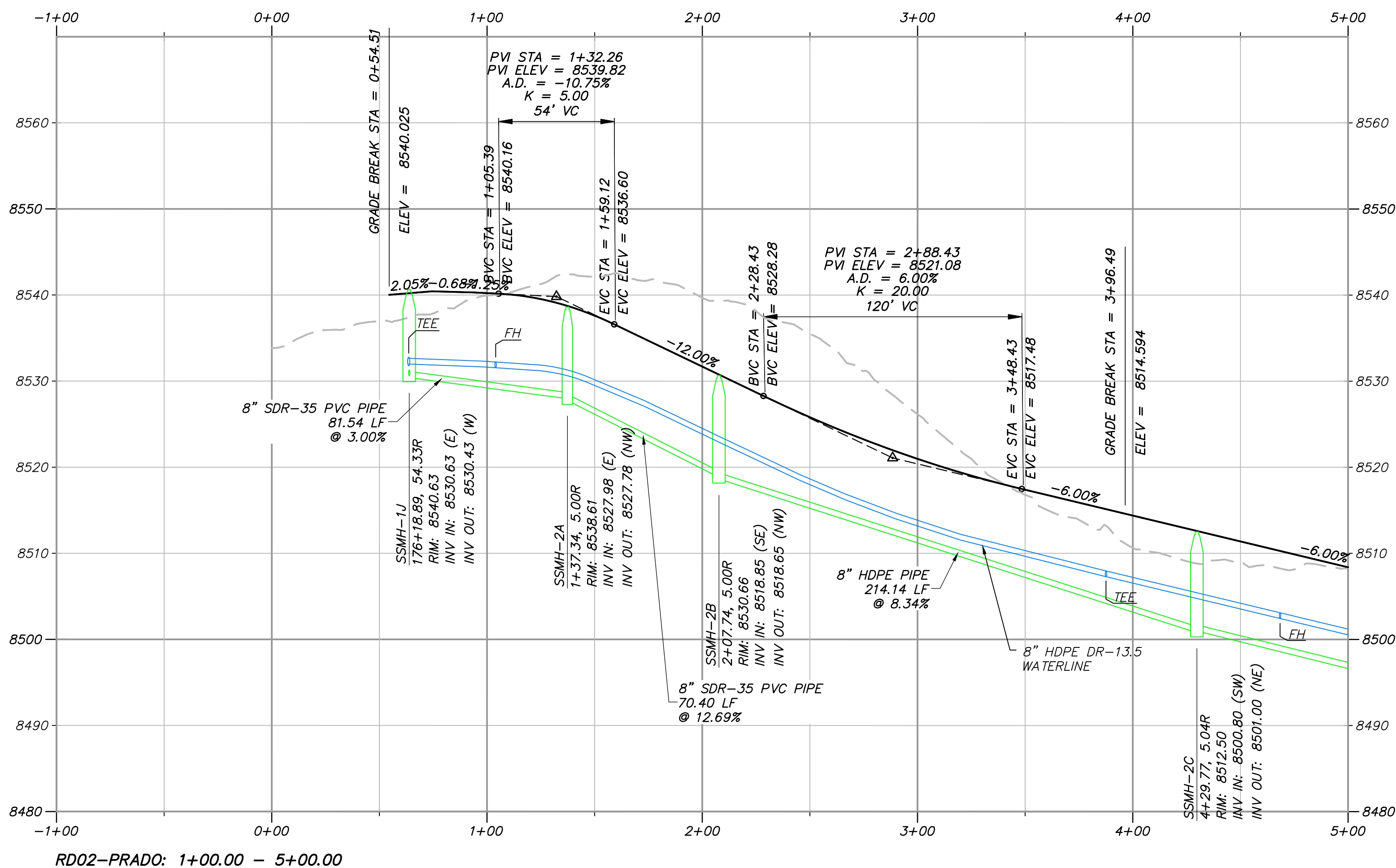
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OVERALL SITE KEY



ROAD 2 STA 1+00 - 5+00



PLAN AND PROFILE KEYNOTES	
(R#)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(D#)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S#)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W#)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.

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POWDER MOUNTAIN
PRADO PHASE 1
ROAD 2 - PLAN & PROFILE

DATE: 10.22.2025

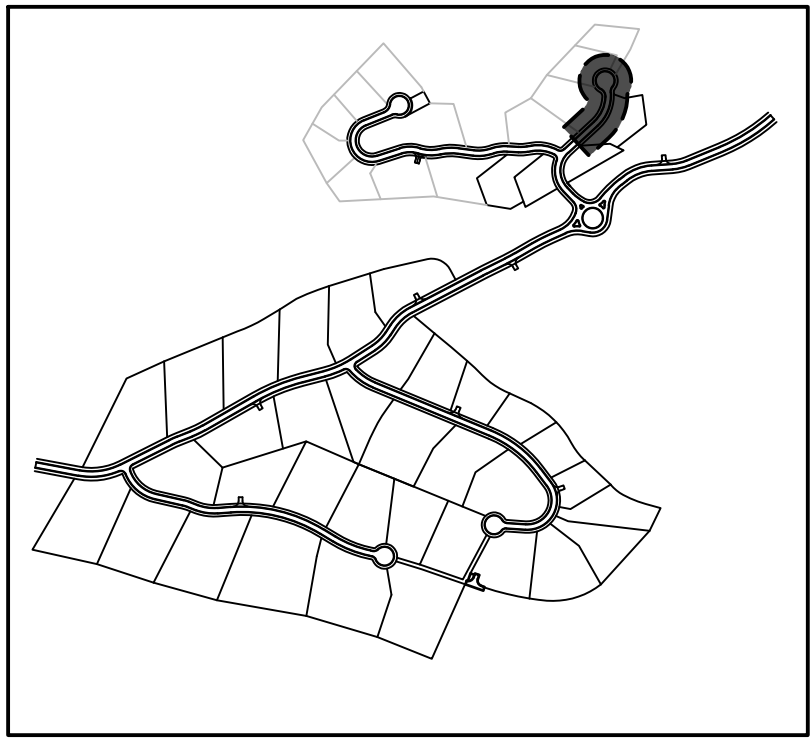
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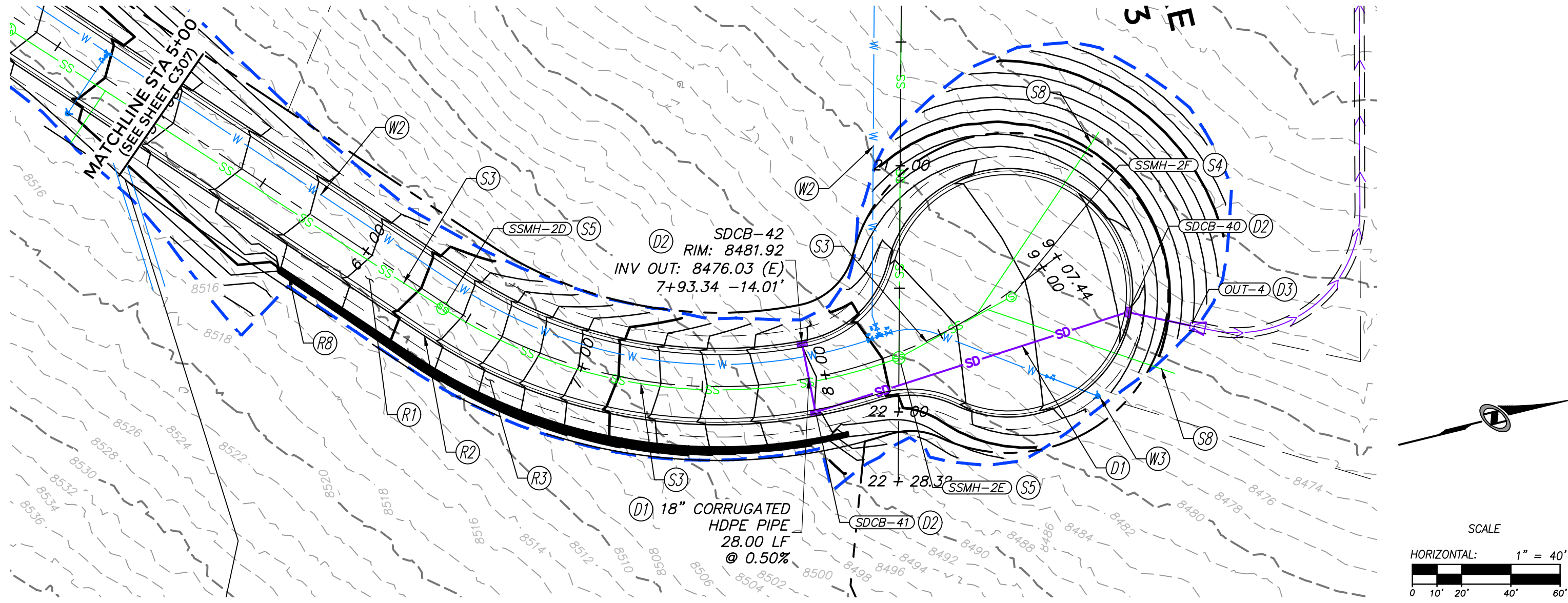
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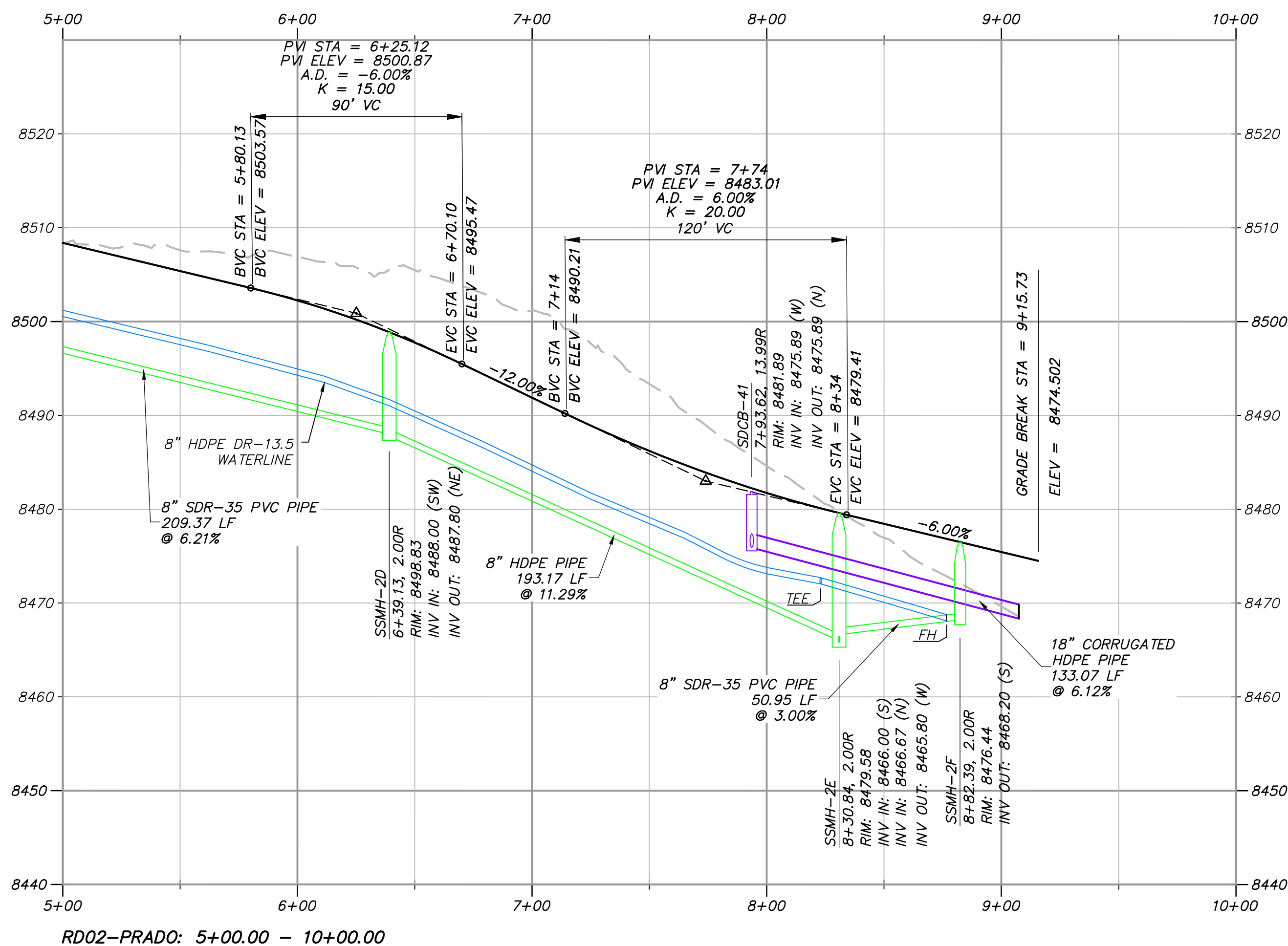
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OVERALL SITE KEY

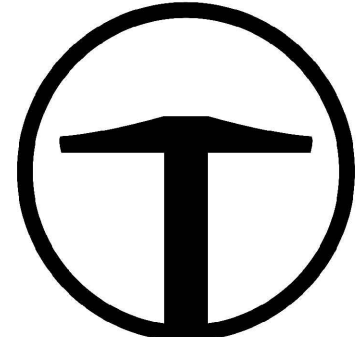


ROAD 2 STA 5+00 - 10+00



RD02-PRADO: 5+00.00 - 10+00.00

PLAN AND PROFILE KEYNOTES	
(R)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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POWDER MOUNTAIN
PRADO PHASE 1
ROAD 2 - PLAN & PROFILE

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

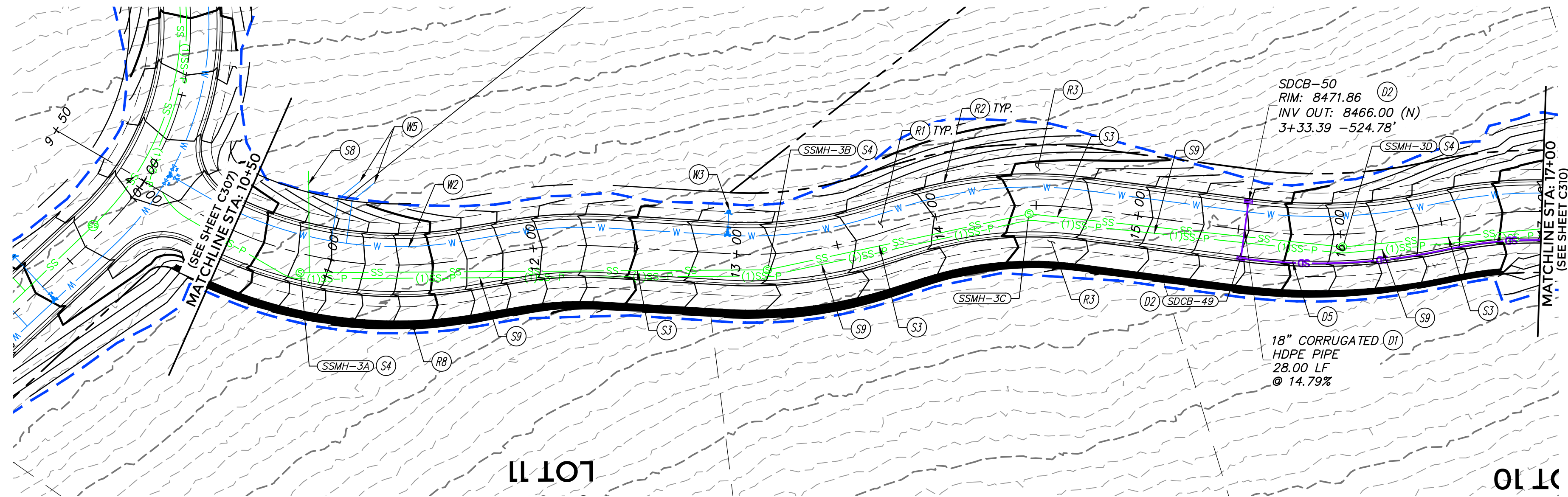
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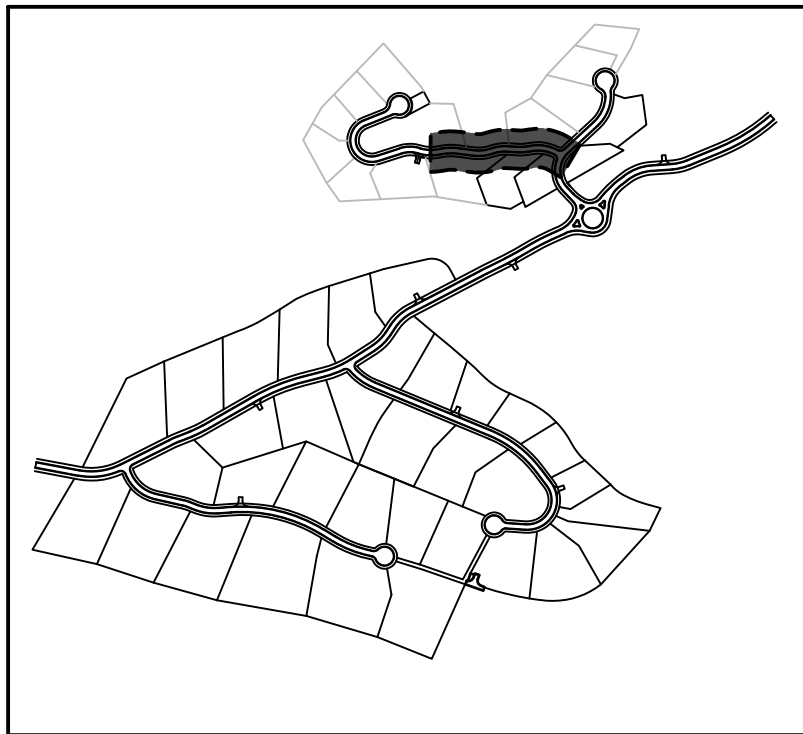
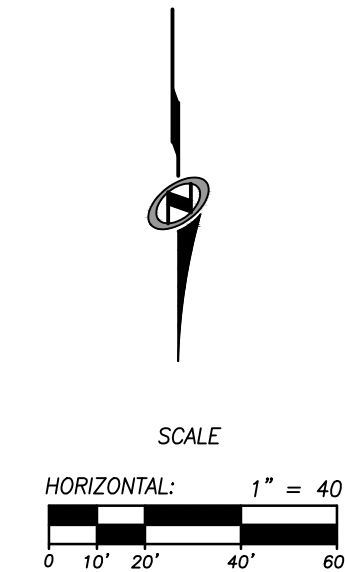
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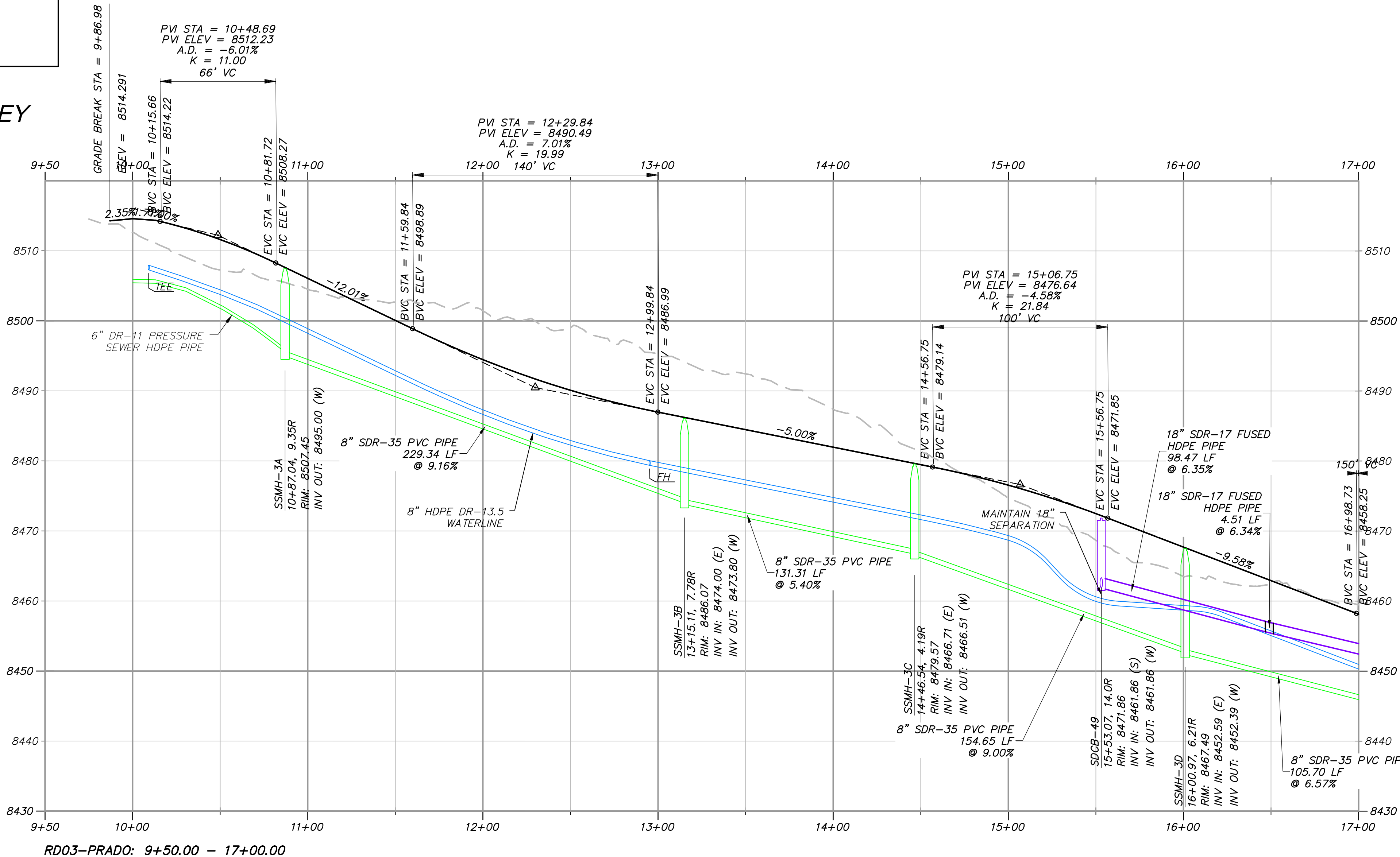
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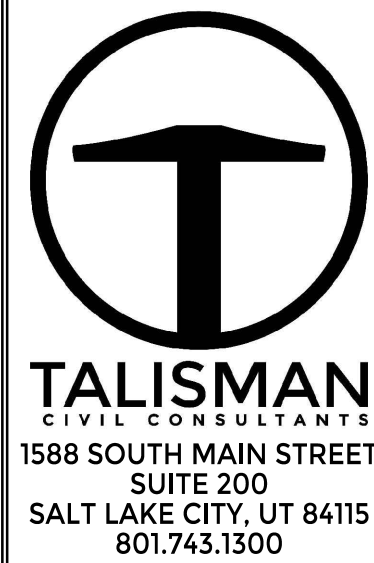
ROAD 3 STA 10+50 -17+00



OVERALL SITE KEY



PLAN AND PROFILE KEYNOTES	
(R1)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
STORM DRAIN	
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10" WIDE x 20" LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
SANITARY SEWER	
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
WATER	
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



POWDER MOUNTAIN
PRADO PHASE 1
ROAD 3 - PLAN & PROFILE

DATE: 10.22.2025

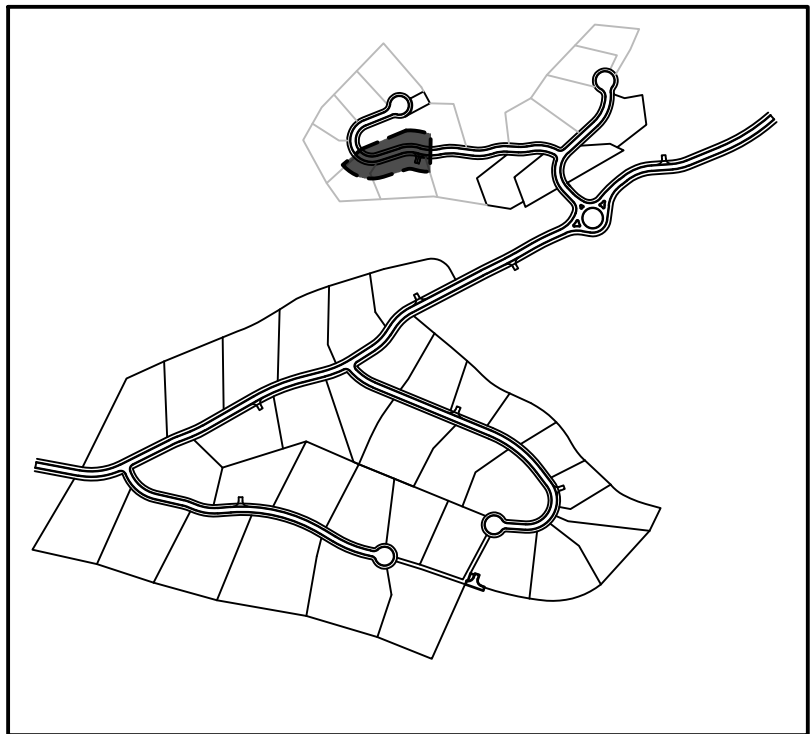
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SHEET NUMBER
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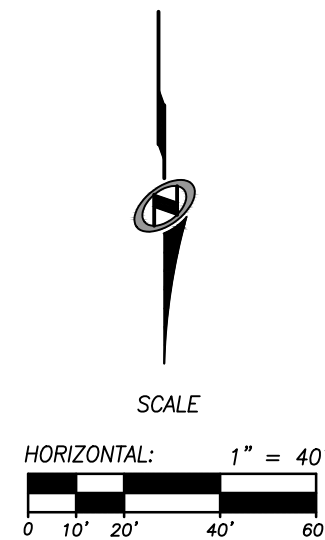
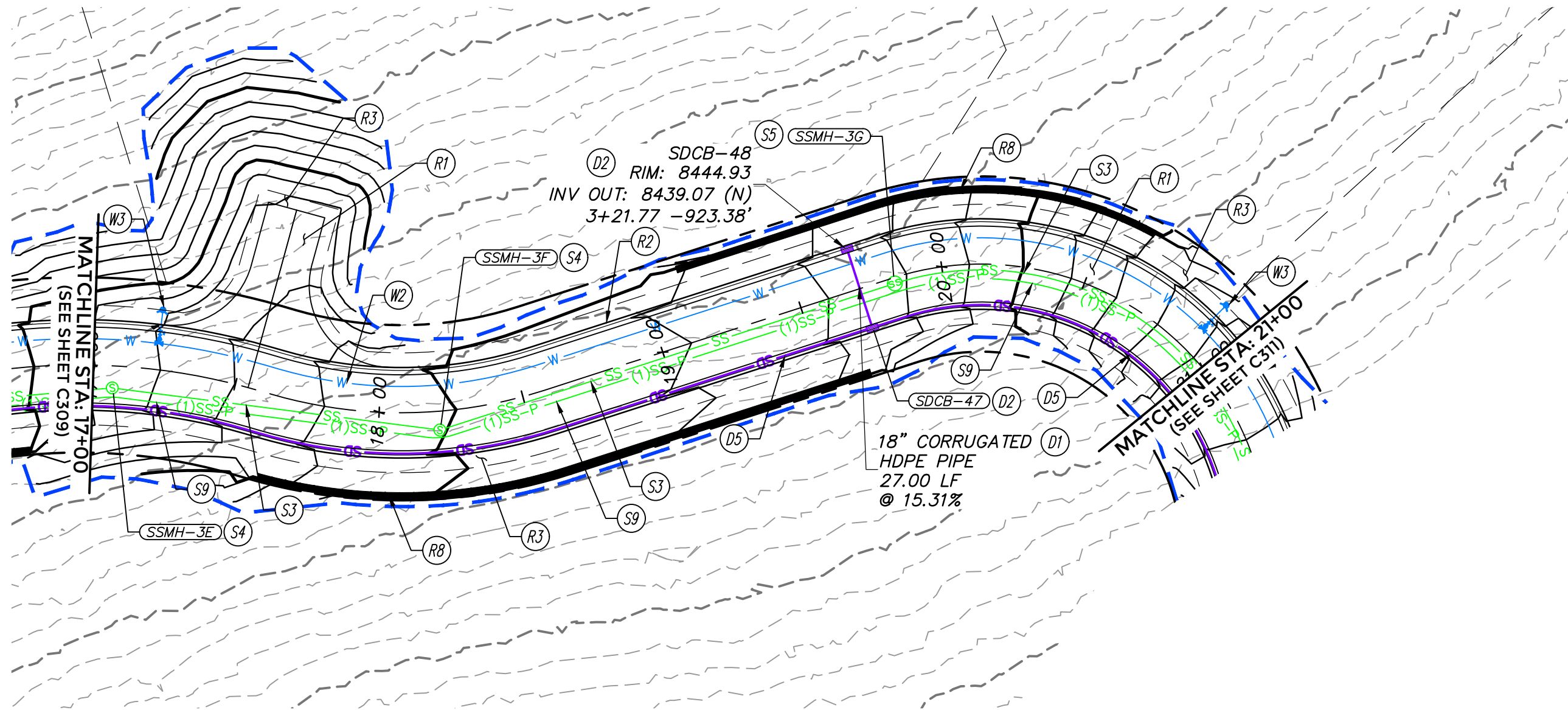
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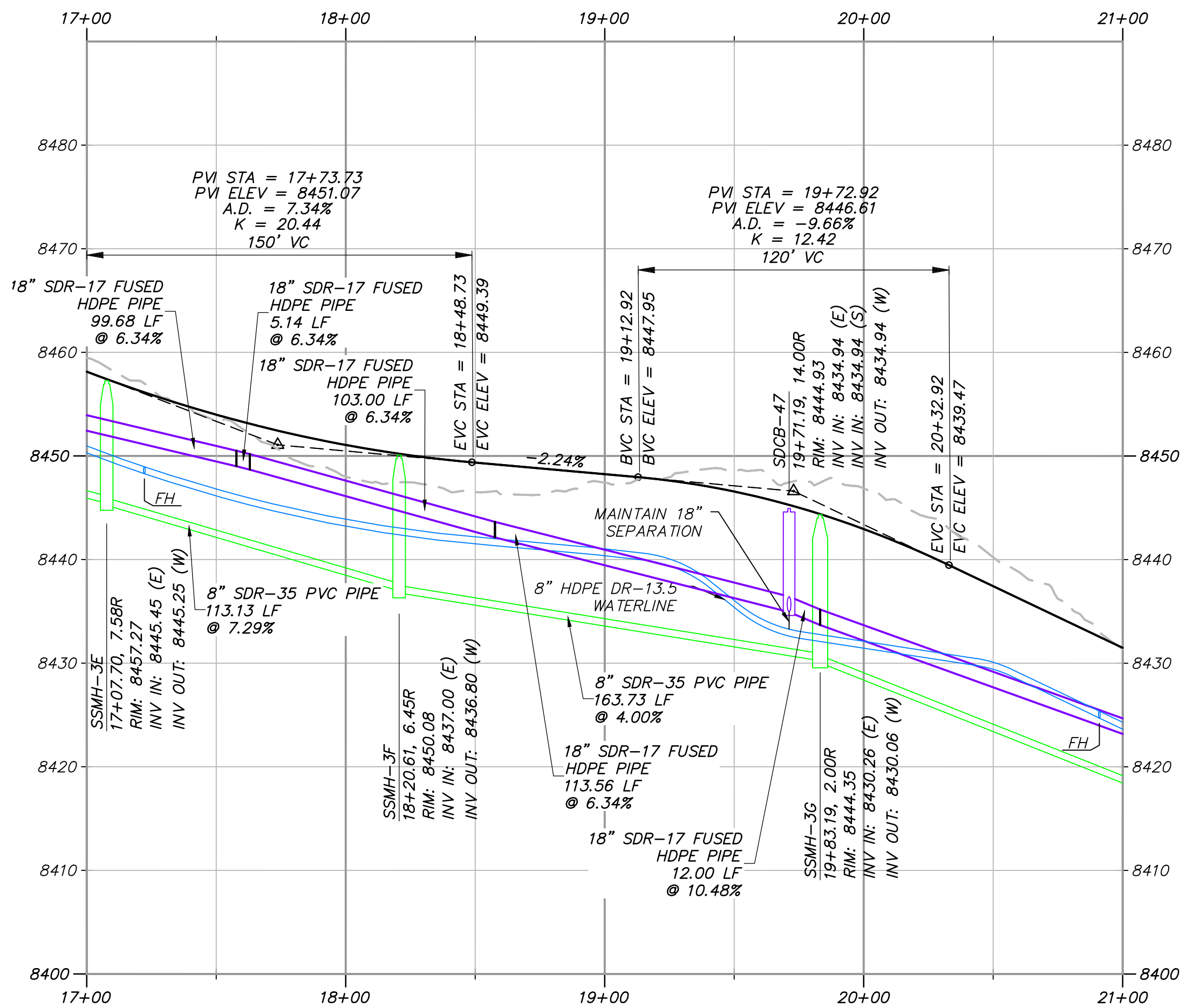
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OVERALL SITE KEY



ROAD 3 STA 17+00 -21+00



RD03-PRADO: 17+00.00 - 21+00.00

PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

PLAN AND PROFILE KEYNOTES	
(R#)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(D#)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S#)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W#)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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SALT LAKE CITY, UT 84115
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POWDER MOUNTAIN
PRADO PHASE 1
ROAD 3 - PLAN & PROFILE

DATE: 10.22.2025

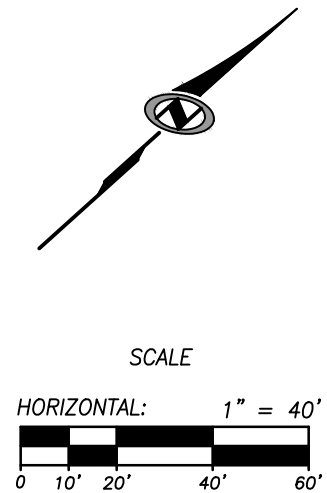
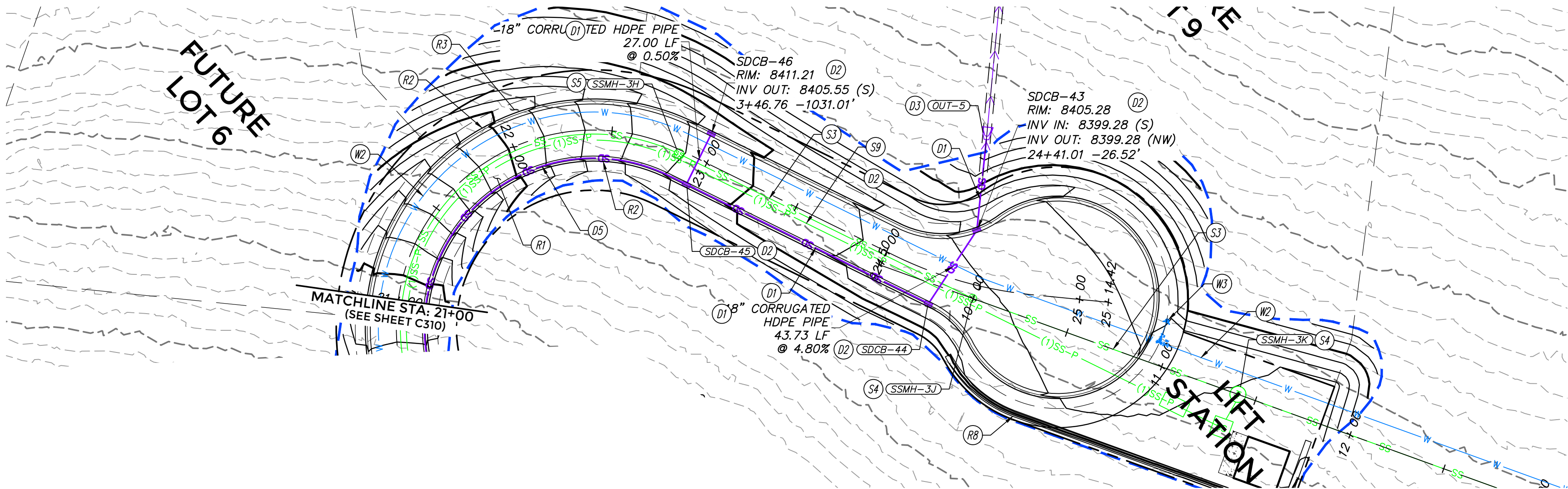
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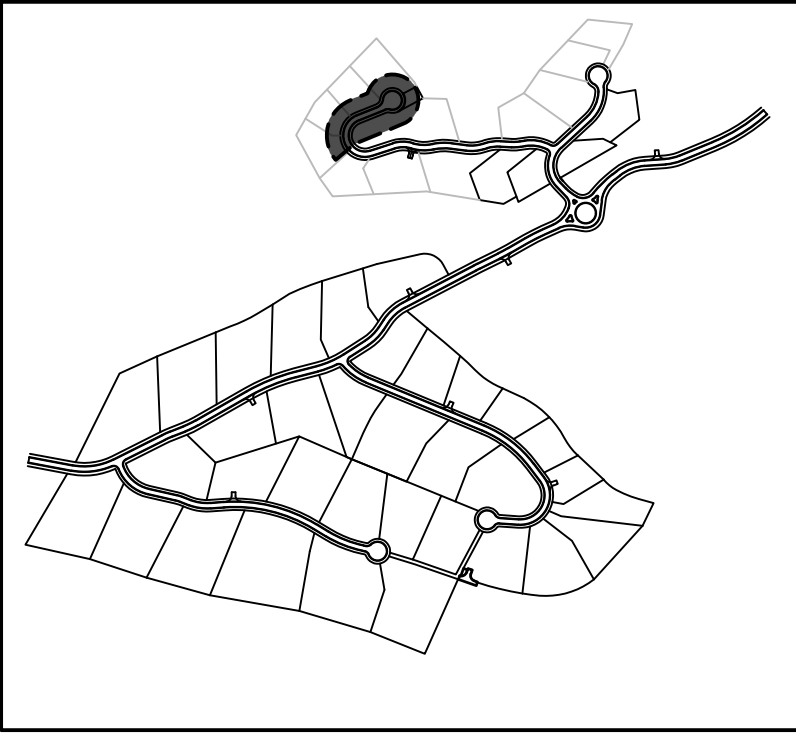
C310

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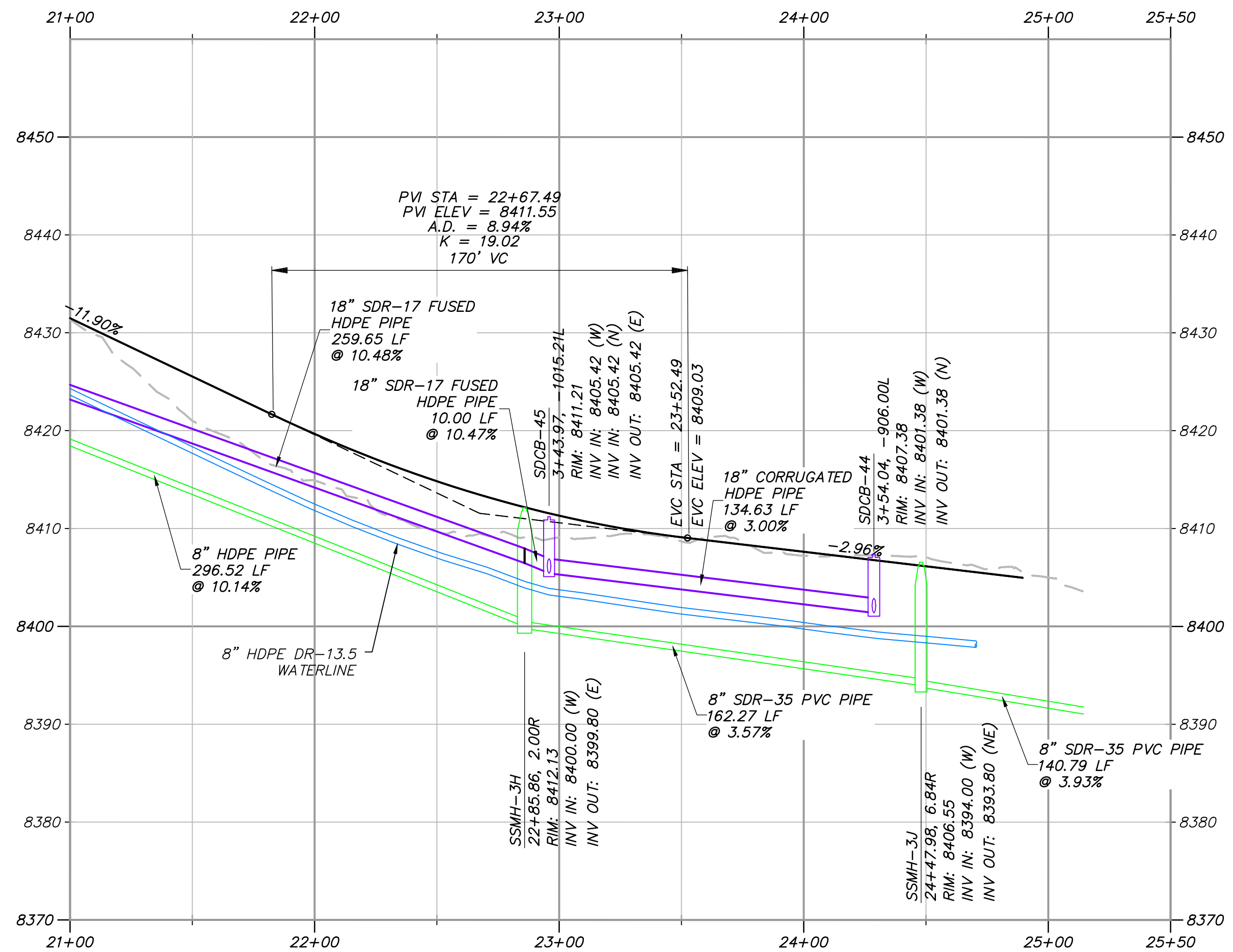
PATH: N:\SIB0783\Code\25-220-12 - Prado PH1\Code\Job\C311 ROAD 3 - PLAN & PROFILE.dwg



ROAD 3 STA 21+00 -25+00



OVERALL SITE KEY



PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

PLAN AND PROFILE KEYNOTES	
(R)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(SD)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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SUITE 200
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POWDER MOUNTAIN
PRADO PHASE 1
ROAD 3 - PLAN & PROFILE

DATE: 10.22.2025

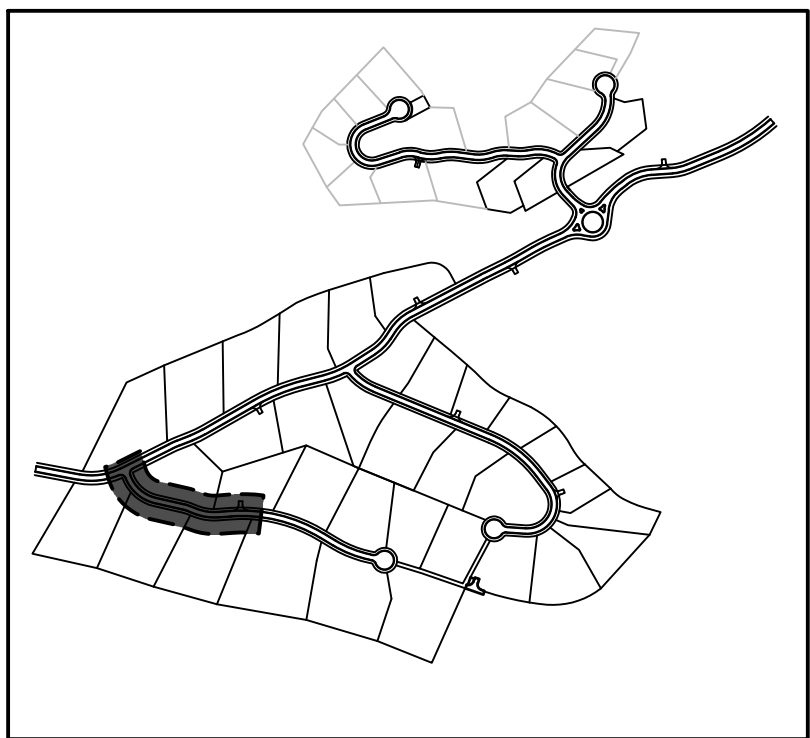
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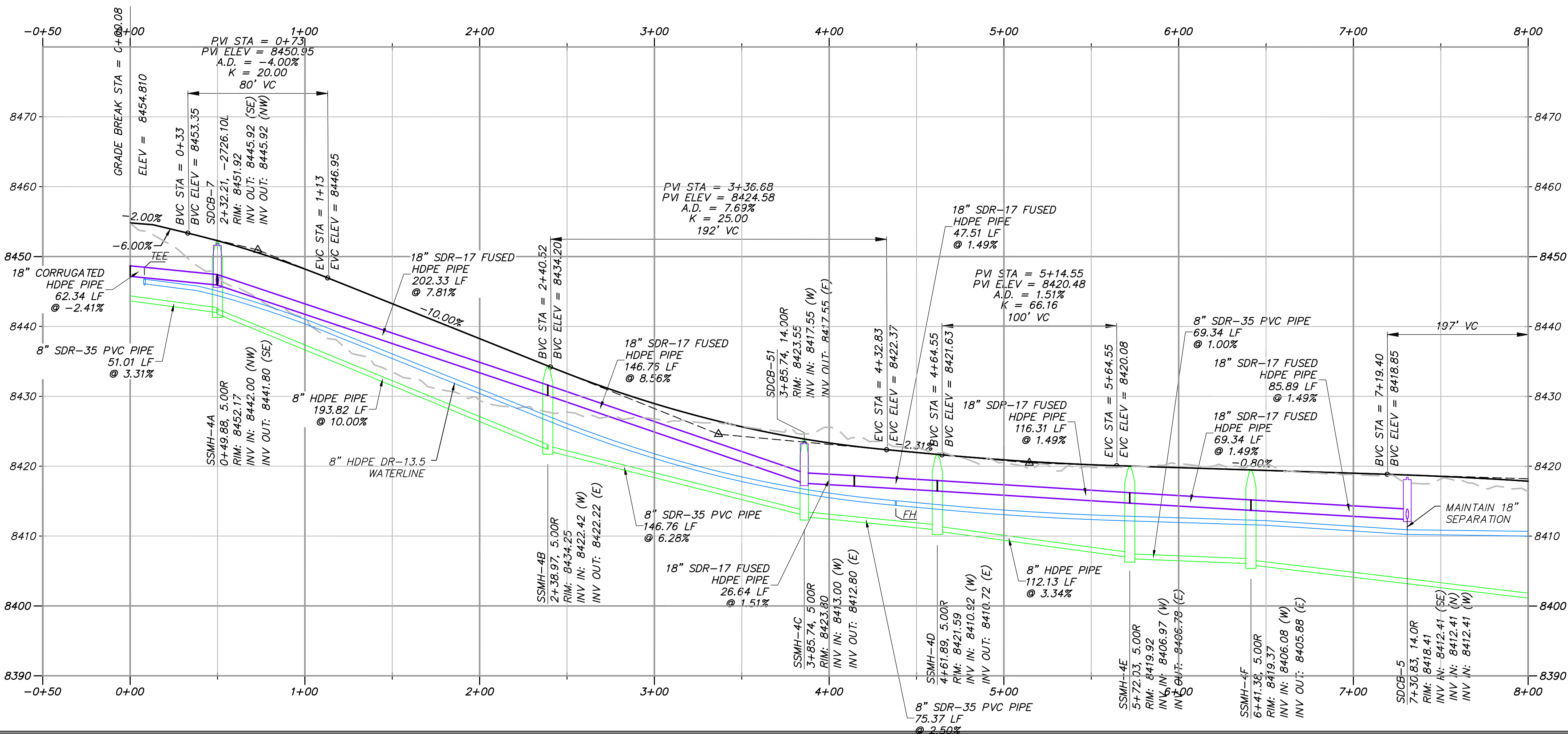
C311

15 OF 46

DATE: 10/22/2025 3:54 PM



OVERALL SITE KEY



PLAN AND PROFILE KEYNOTES	
(R#)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(S#)	STORM DRAIN
(S1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(S3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(S4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(S5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S#)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W#)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.

PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'



POWDER MOUNTAIN
PRADO PHASE 1
ROAD 4 - PLAN & PROFILE

TCC JOB NUMBER: 25-220-12

DATE: 10.22.2025

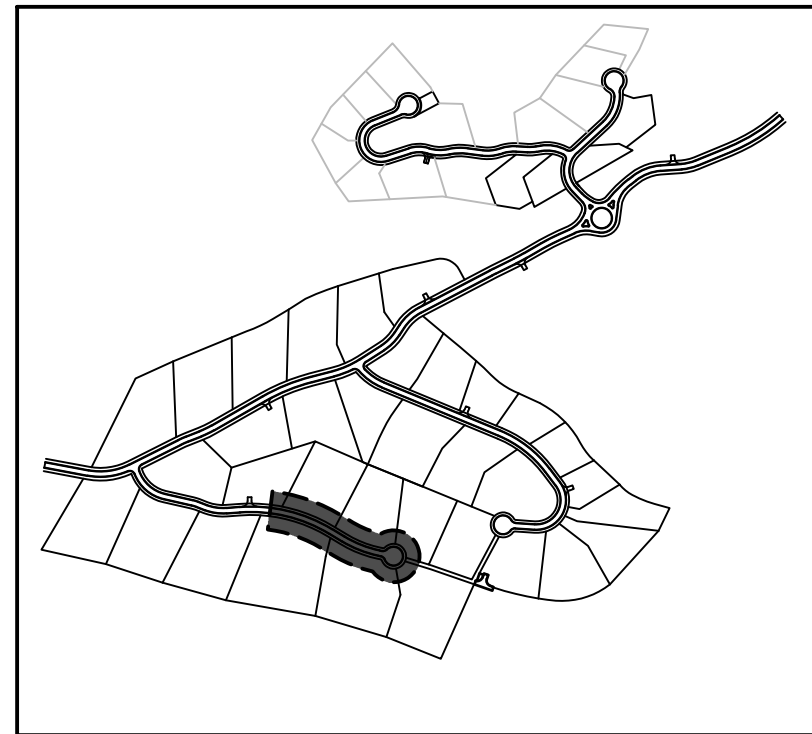
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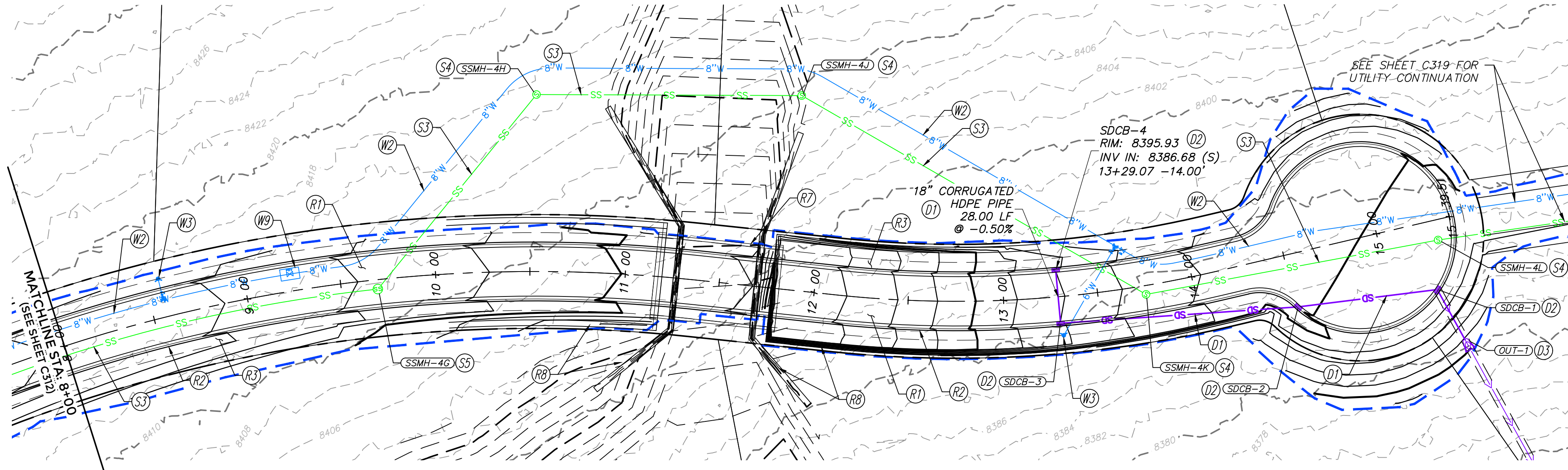
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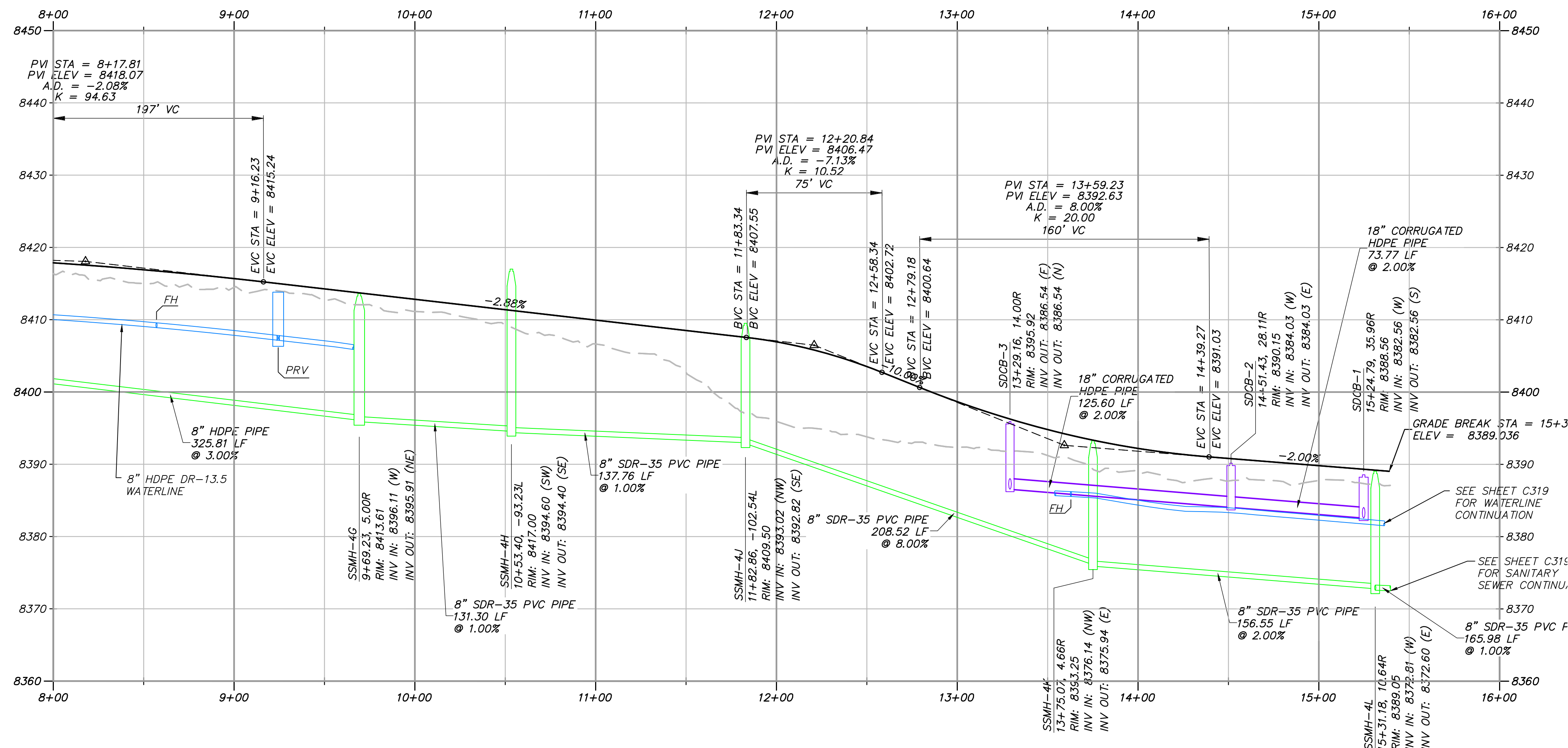
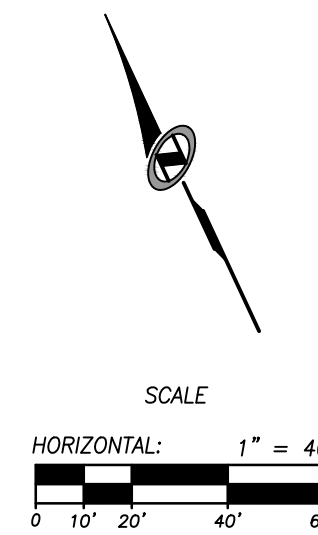
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OVERALL SITE KEY



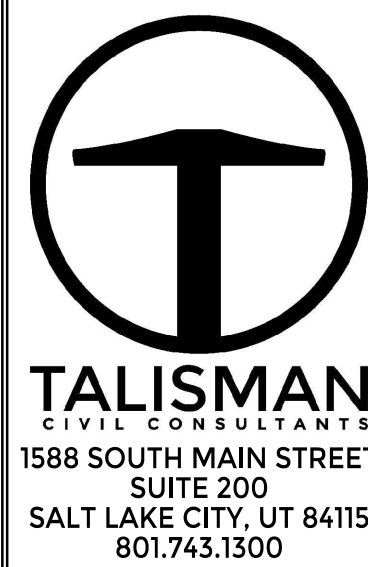
ROAD 4 STA 8+00 - 16+00



PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

PLAN AND PROFILE KEYNOTES

ROADWAY	
R1	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
R2	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
R3	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
R4	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
R5	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
R6	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
R7	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
R8	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
STORM DRAIN	
D1	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
D2	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
D3	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
D4	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
D5	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
SANITARY SEWER	
S1	CONNECT TO EXISTING SANITARY SEWER STUB.
S2	CONNECT TO EXISTING PRESSURE SEWER STUB.
S3	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
S4	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S5	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S6	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
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S8	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
S9	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
S10	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
S11	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
S12	CAP 6" PRESSURE SEWER STUB.
WATER	
W1	CONNECT TO EXISTING WATER MAIN.
W2	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
W3	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
W4	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
W5	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
W6	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
W7	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
W8	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
W9	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
W10	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



POWDER MOUNTAIN
PRADO PHASE 1
ROAD 4 - PLAN & PROFILE

TCC JOB NUMBER: 25-220-12

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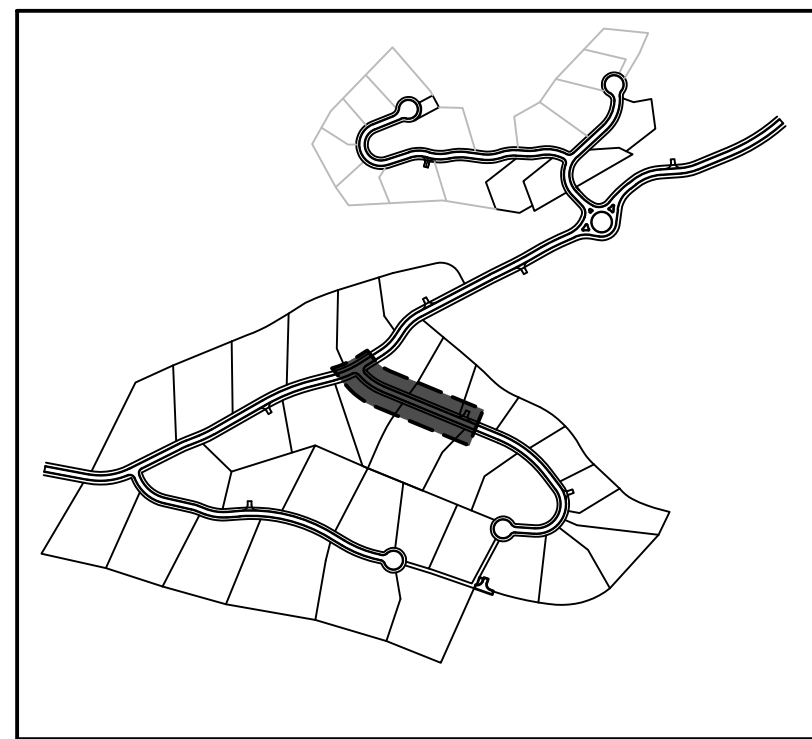
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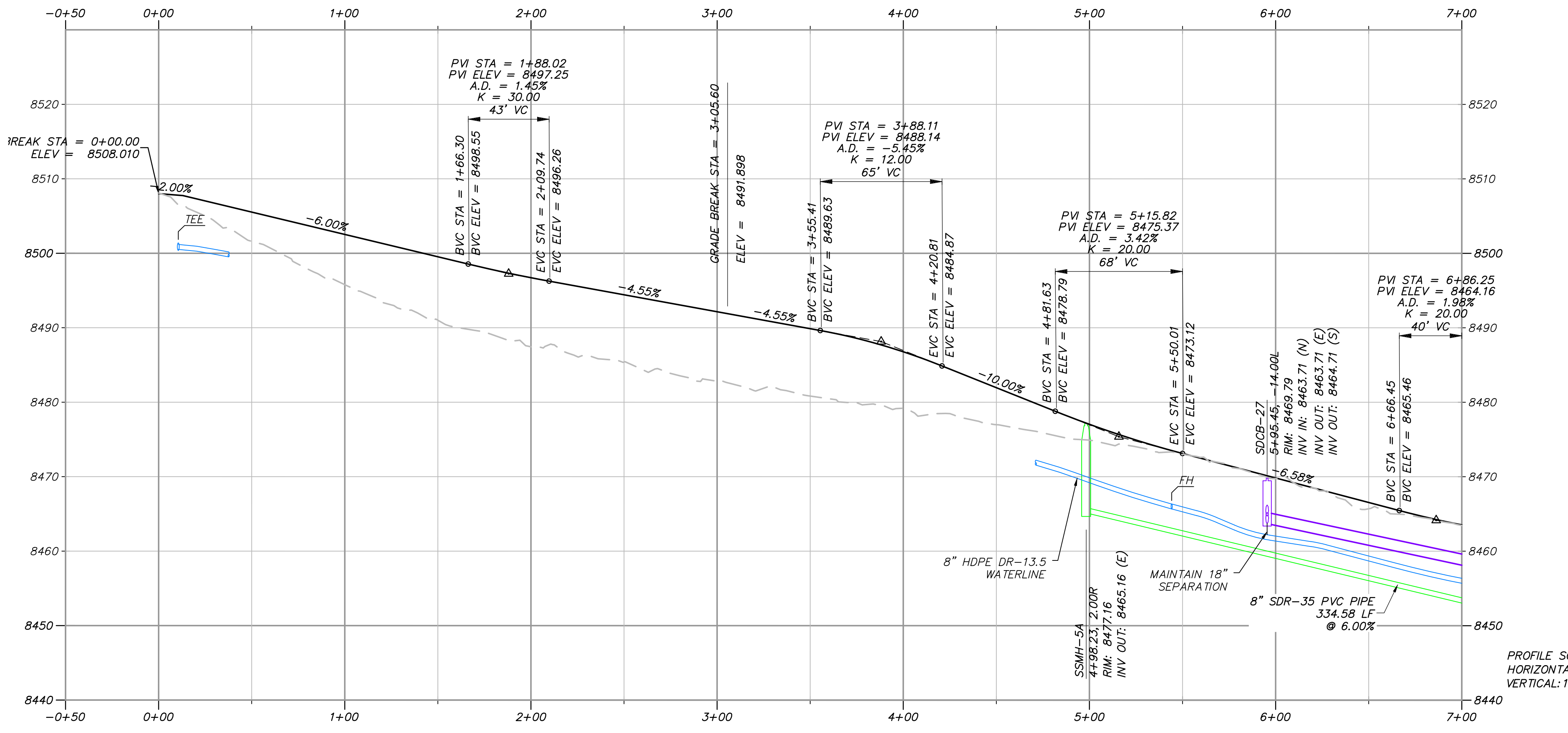
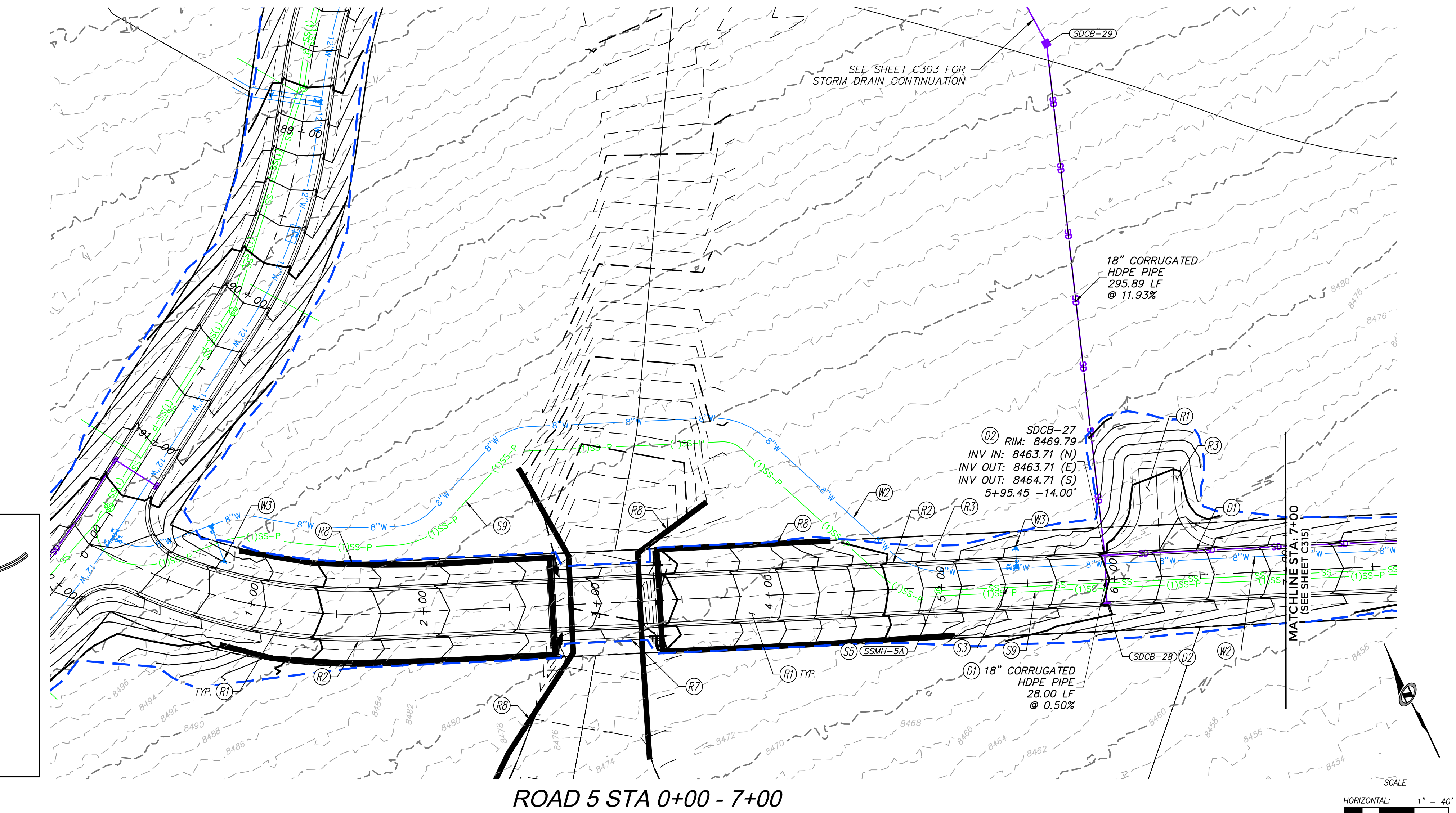
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OVERALL SITE KEY



PLAN AND PROFILE KEYNOTES	
(R)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(S)	STORM DRAIN
(S1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(S3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(S4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(S5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(SS)	SANITARY SEWER
(SS1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(SS2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(SS3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(SS4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(SS5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(SS6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(SS7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(SS8)	INSTALL SANITARY SEWER LATERAL PER PMWSID DETAIL SS-3 & UT-1, SHEETS C900 & C901.
(SS9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(SS10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(SS11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(SS12)	CAP 6" PRESSURE SEWER STUB.
(W)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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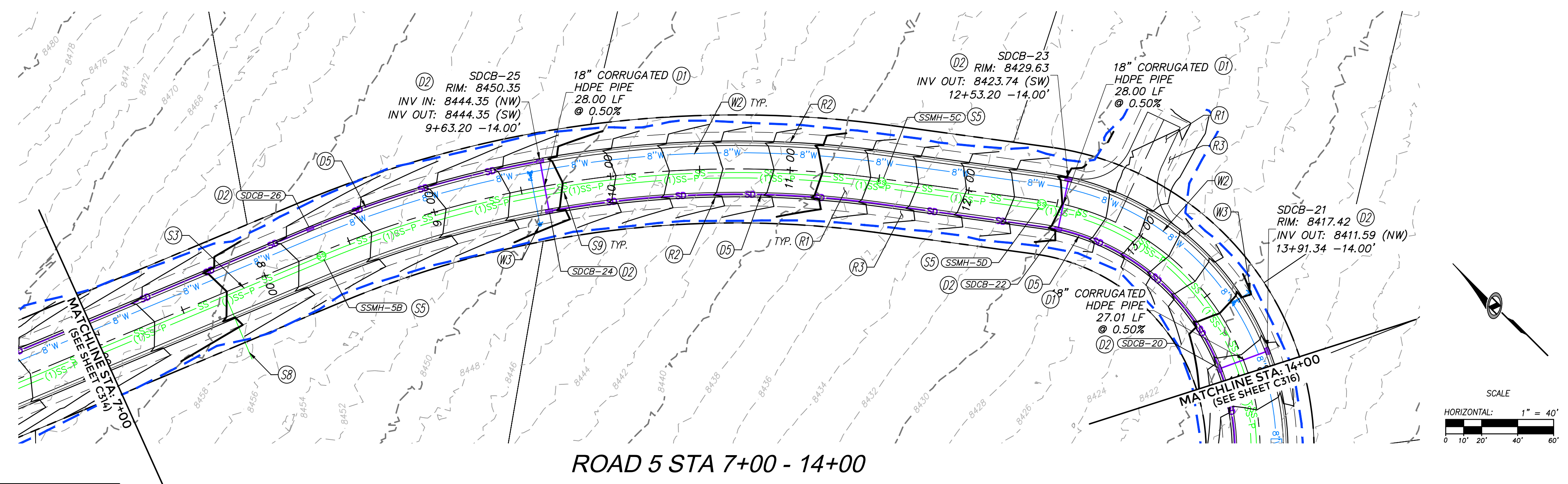
POWDER MOUNTAIN
PRADO PHASE 1
ROAD 5 - PLAN & PROFILE

DATE: 10.22.2025

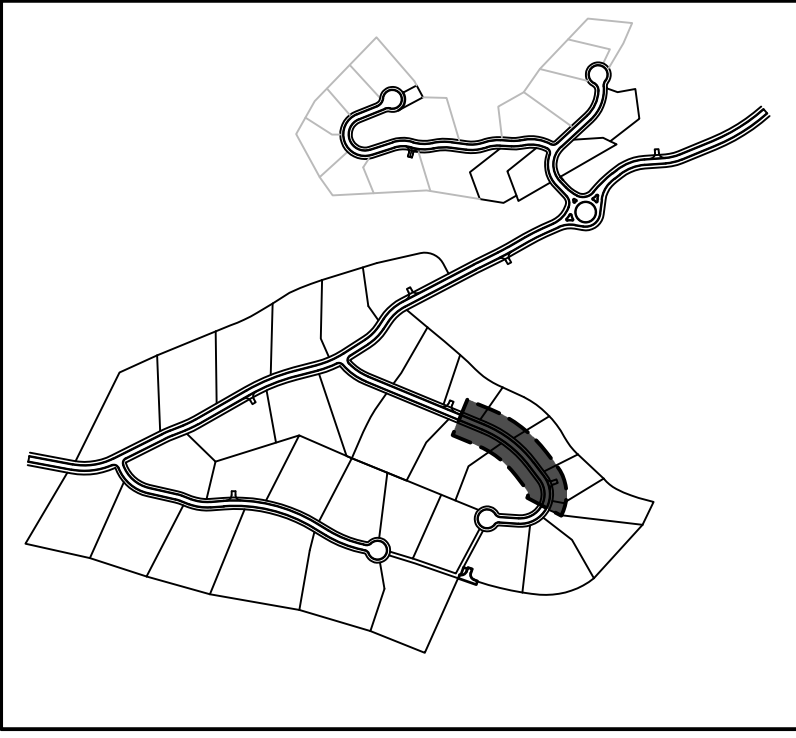
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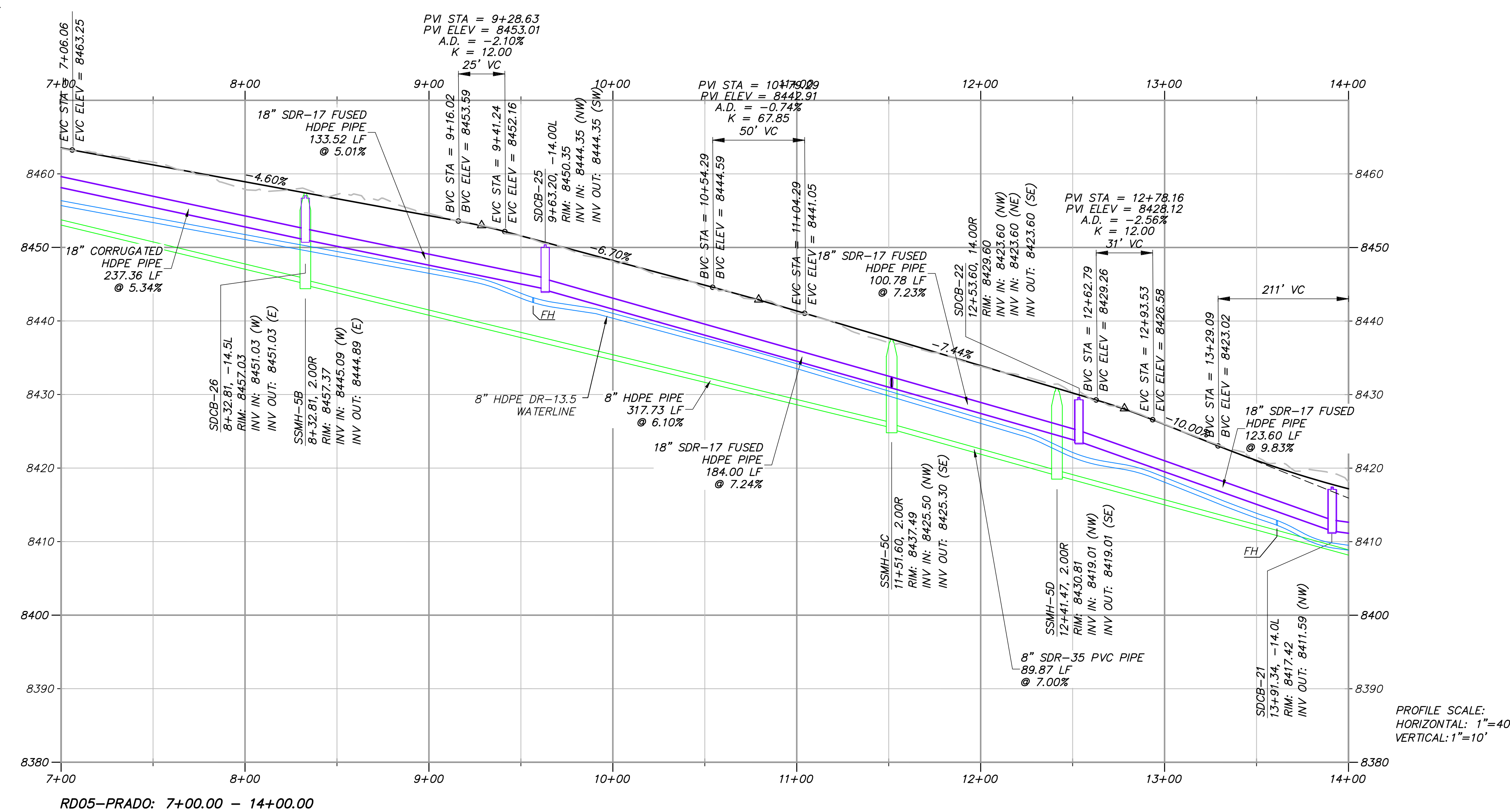
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ROAD 5 STA 7+00 - 14+00

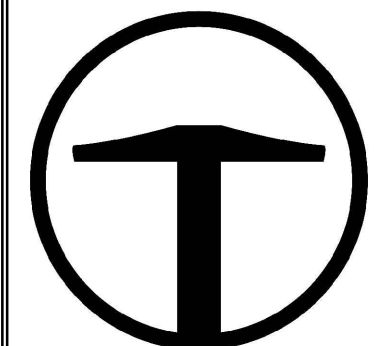


OVERALL SITE KEY



RD05-PRADO: 7+00.00 - 14+00.00

PLAN AND PROFILE KEYNOTES	
(R#)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(S#)	STORM DRAIN
(S1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(S3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(S4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(S5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S#)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W#)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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POWDER MOUNTAIN
PRADO PHASE 1
ROAD 5 - PLAN & PROFILE

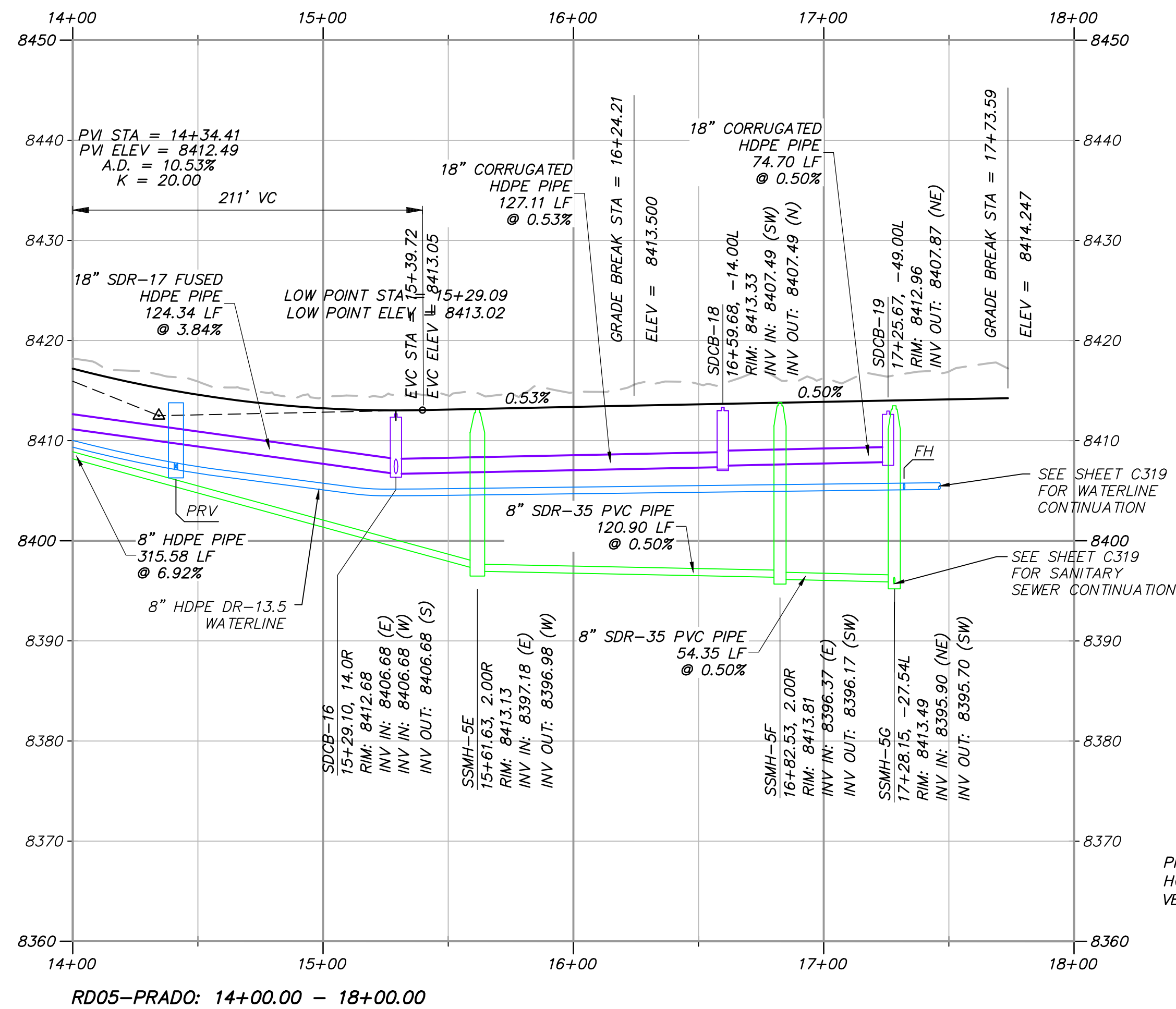
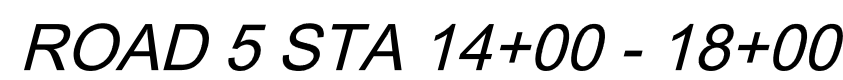
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TCC JOB NUMBER: 25-220-12

SHEET NUMBER
C315

19 OF 46





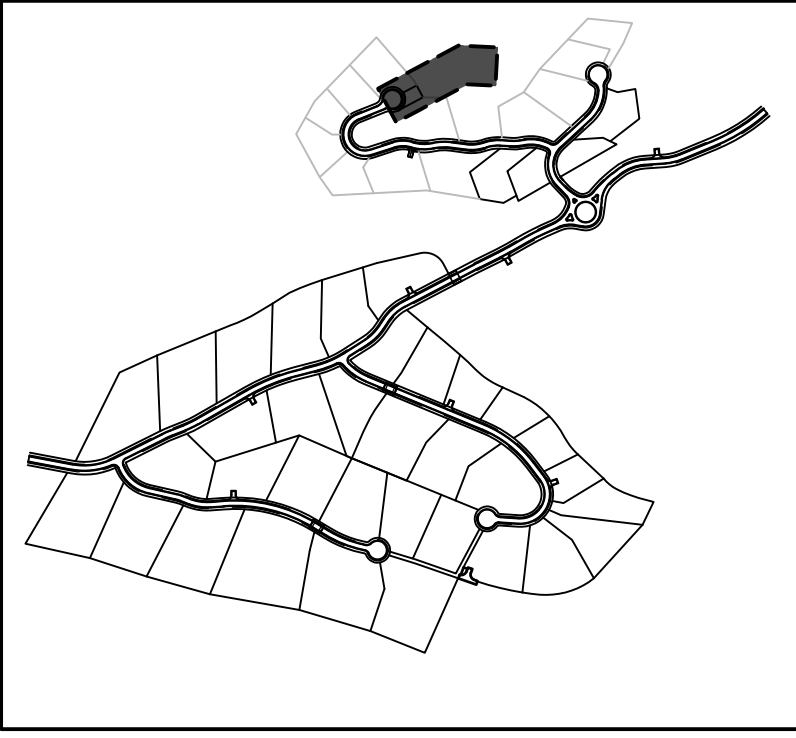
PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

PLAN AND PROFILE KEYNOTES	
R#	ROADWAY
R1	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
R2	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
R3	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
R4	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
R5	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
R6	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
R7	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
R8	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
D#	STORM DRAIN
D1	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
D2	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# 1-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
D3	INSTALL PIPE OUTFALL (VES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
D4	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
D5	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
S#	SANITARY SEWER
S1	CONNECT TO EXISTING SANITARY SEWER STUB.
S2	CONNECT TO EXISTING PRESSURE SEWER STUB.
S3	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
S4	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S5	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S6	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S7	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
S8	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
S9	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
S10	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
S11	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
S12	CAP 6" PRESSURE SEWER STUB.
W#	WATER
W1	CONNECT TO EXISTING WATER MAIN.
W2	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
W3	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
W4	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
W5	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
W6	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
W7	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
W8	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
W9	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
W10	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.

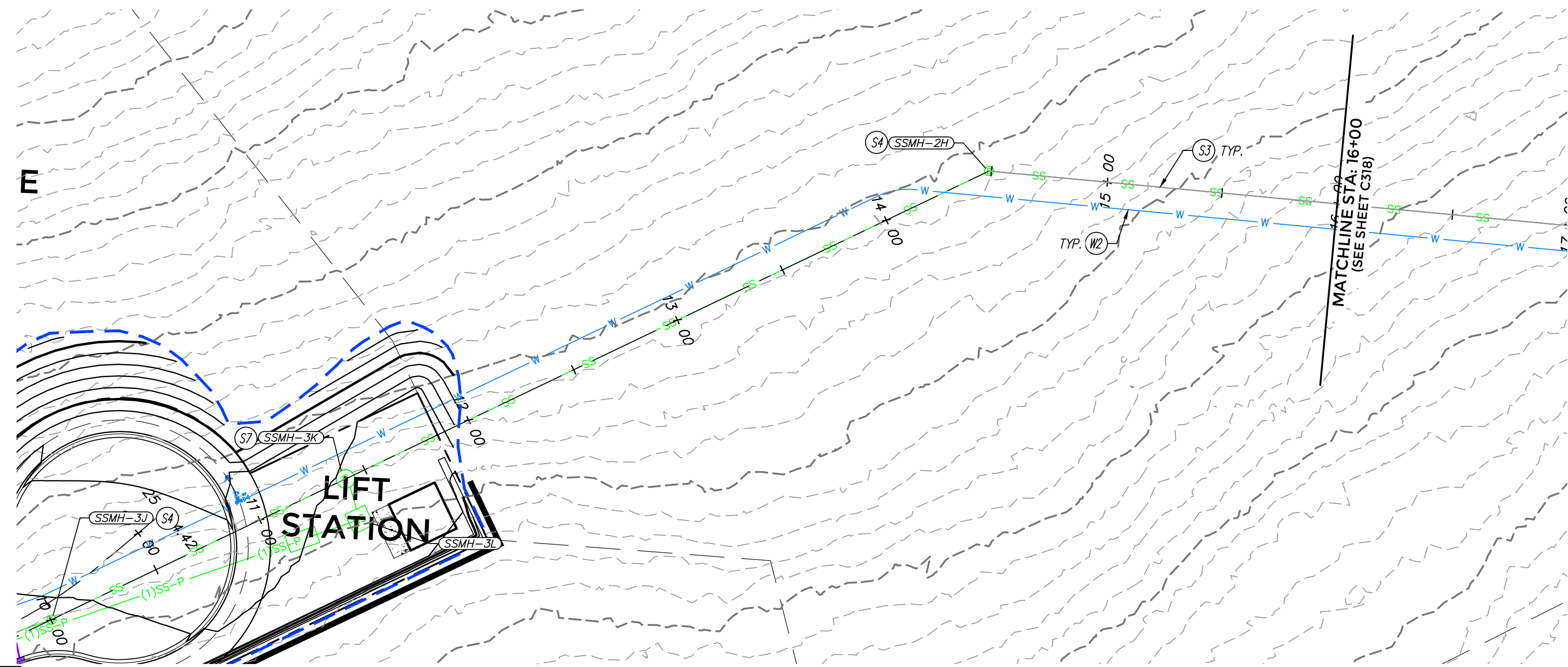


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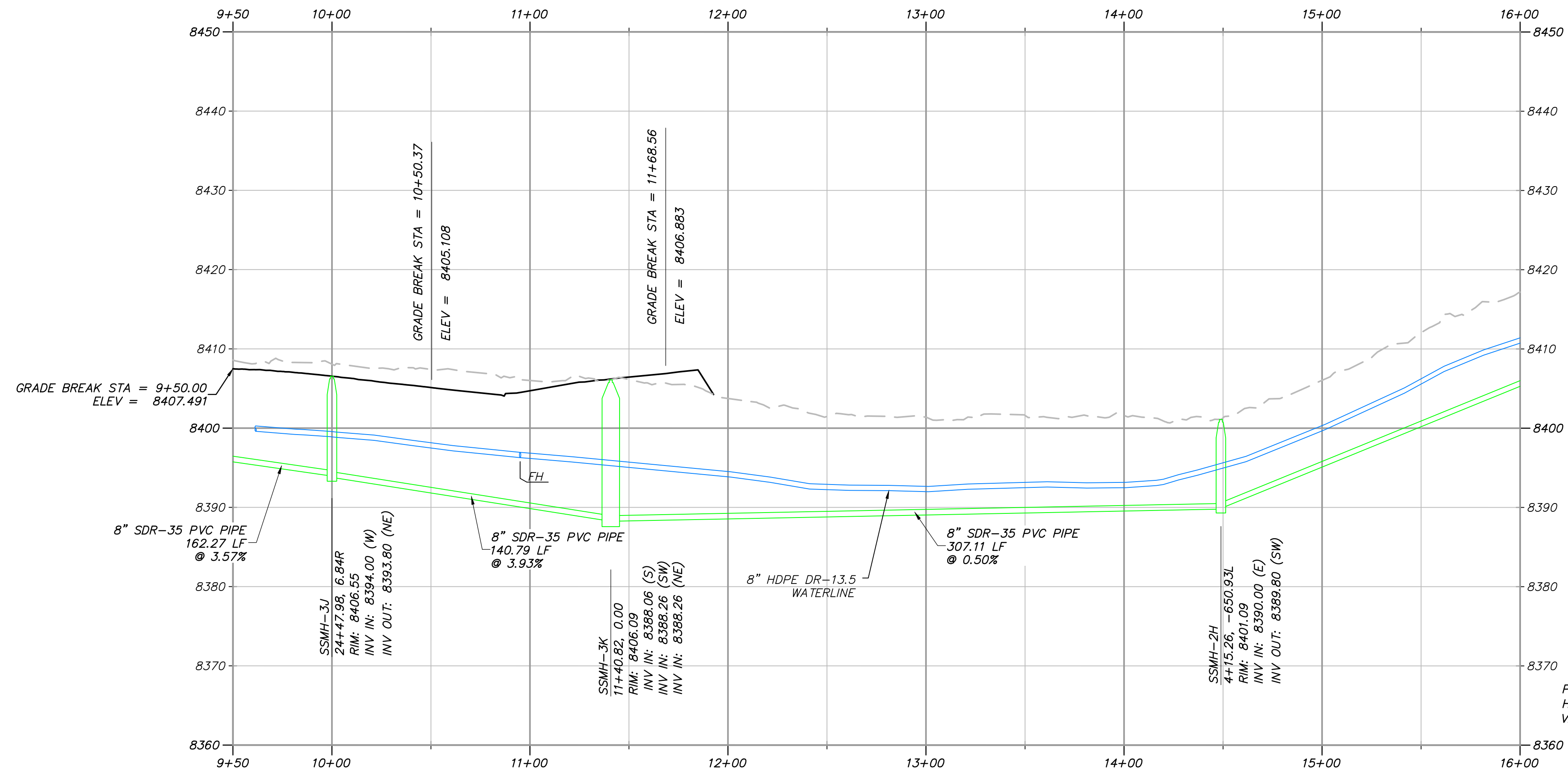
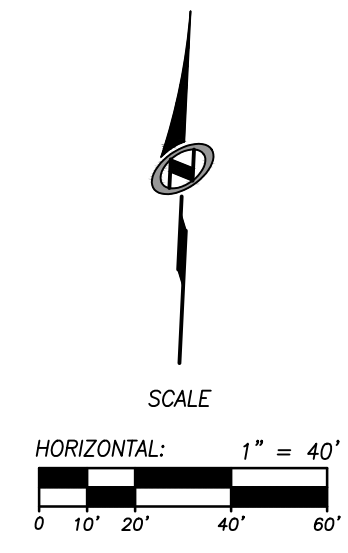
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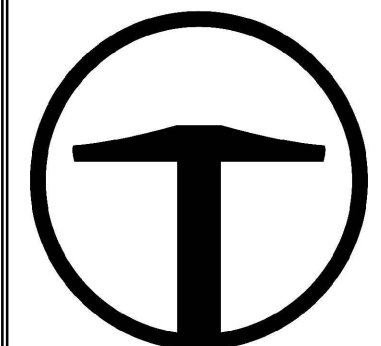
UTILITY 1 STA 10+00 - 16+00



PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

UT01: 9+50.00 - 16+00.00

PLAN AND PROFILE KEYNOTES	
(R1)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(D1)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S1)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
(S10)	INSTALL PRESSURE SEWER JETTING STATION PER PMSWRD DETAIL W-16, SHEET C907.
(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W1)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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POWDER MOUNTAIN
PRADO PHASE 1
UTILITY PLAN & PROFILE

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

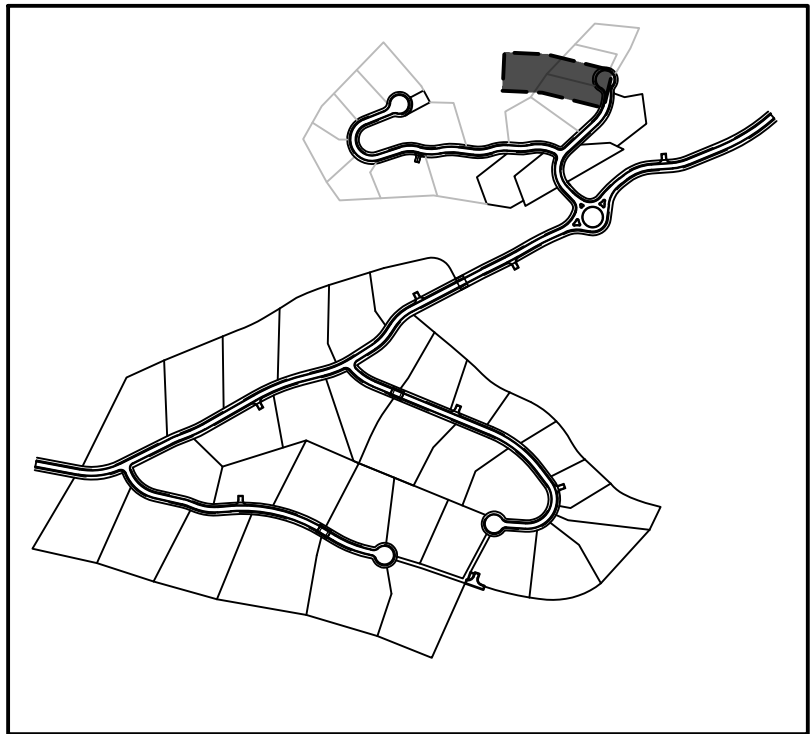
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C317

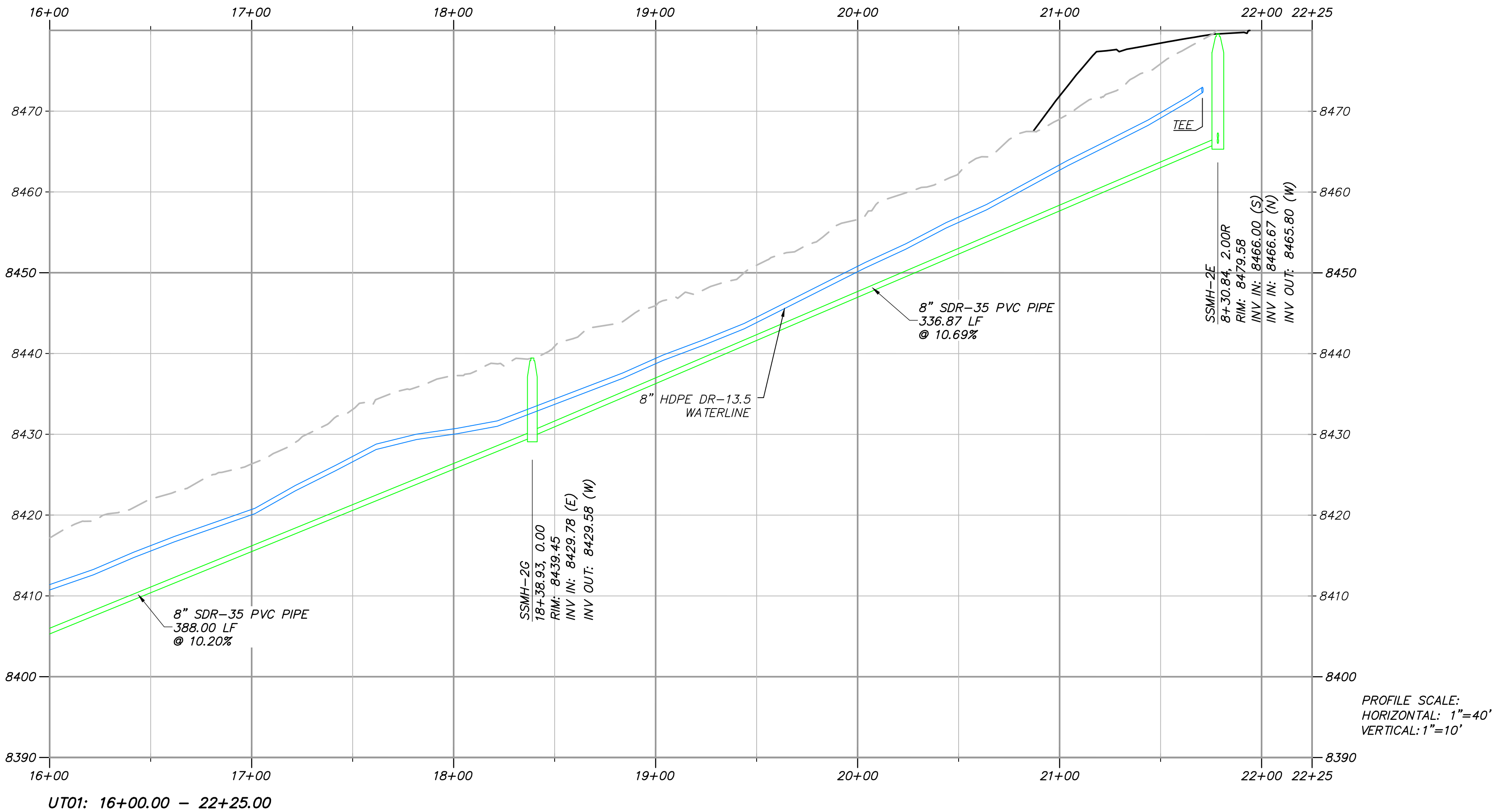
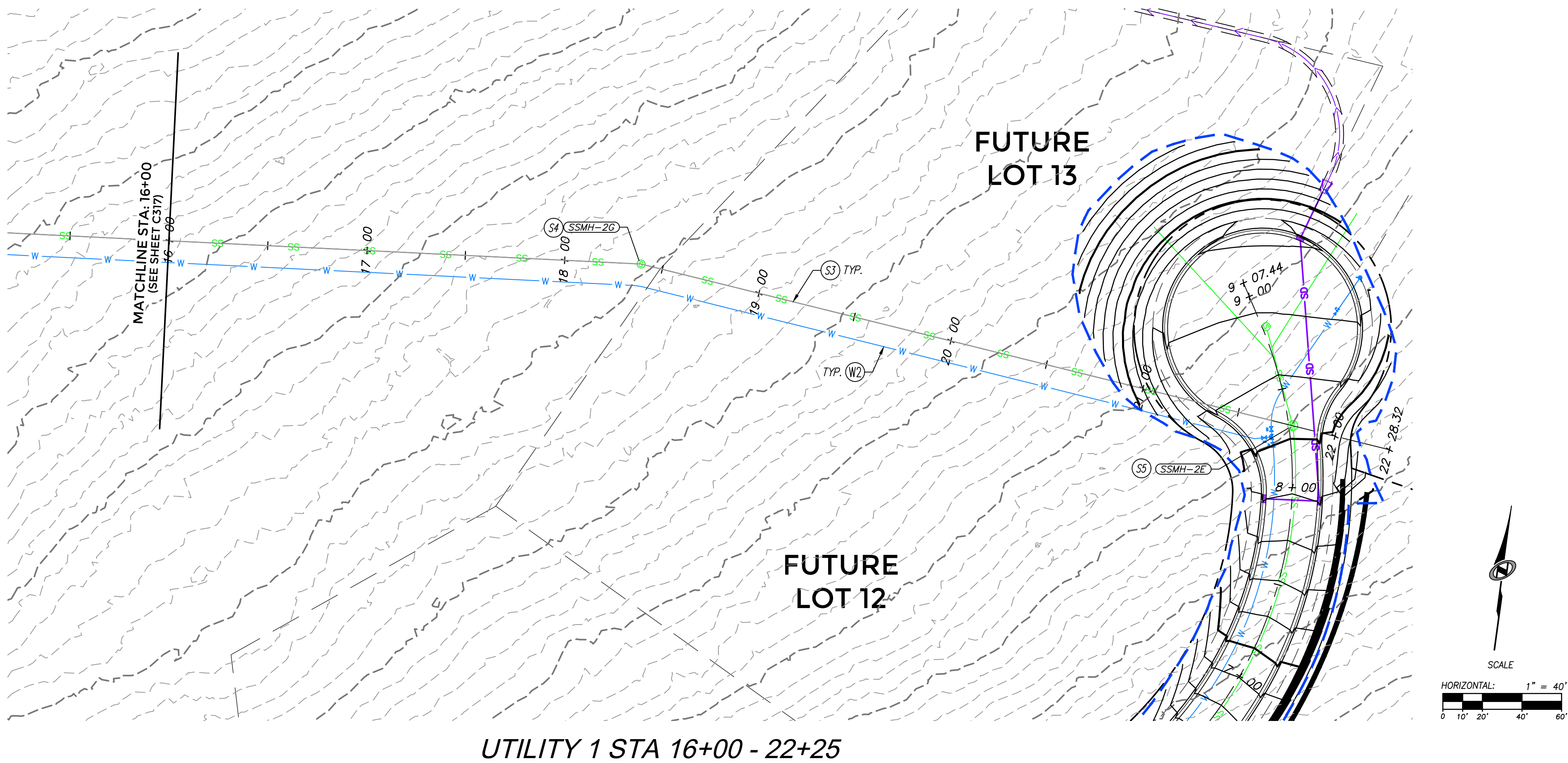
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OVERALL SITE KEY



PLAN AND PROFILE KEYNOTES	
(R#)	ROADWAY
(R1)	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
(R2)	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
(R3)	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
(R4)	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
(R5)	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
(R6)	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
(R7)	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
(R8)	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
(D#)	STORM DRAIN
(D1)	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(D2)	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
(D3)	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
(D4)	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
(D5)	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
(S#)	SANITARY SEWER
(S1)	CONNECT TO EXISTING SANITARY SEWER STUB.
(S2)	CONNECT TO EXISTING PRESSURE SEWER STUB.
(S3)	INSTALL SANITARY SEWER, SEE PLAN & PROFILE SHEETS FOR PIPE SIZE AND MATERIAL, PER PMWSID DETAIL SS-1, SHEET C900.
(S4)	INSTALL 48" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S5)	INSTALL 60" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S6)	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S7)	INSTALL 96" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
(S8)	INSTALL SANITARY SEWER LATERAL PER PMWSID SS-3 & UT-1, SHEETS C900 & C901.
(S9)	INSTALL 6" IPS DR-11 PRESSURE SEWER HDPE PIPE (TOTAL LENGTH = 8,770 LF) PER ROAD SECTION. WHEN CROSSING WATER, LOOP AS NECESSARY TO PROVIDE 18" MIN. CLEARANCE BELOW WATER LINE. MAINTAIN 10' MIN CLEARANCE HORIZONTALLY FROM WATER AT ALL TIMES.
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(S11)	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
(S12)	CAP 6" PRESSURE SEWER STUB.
(W#)	WATER
(W1)	CONNECT TO EXISTING WATER MAIN.
(W2)	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
(W3)	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
(W4)	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
(W5)	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
(W6)	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
(W7)	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
(W8)	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
(W9)	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
(W10)	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



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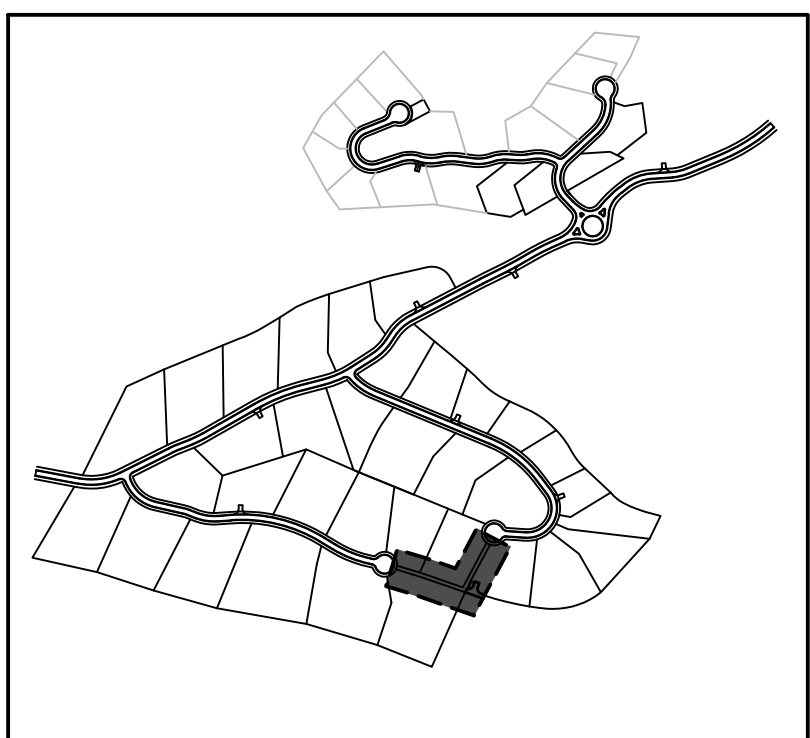
POWDER MOUNTAIN

PRADO PHASE 1

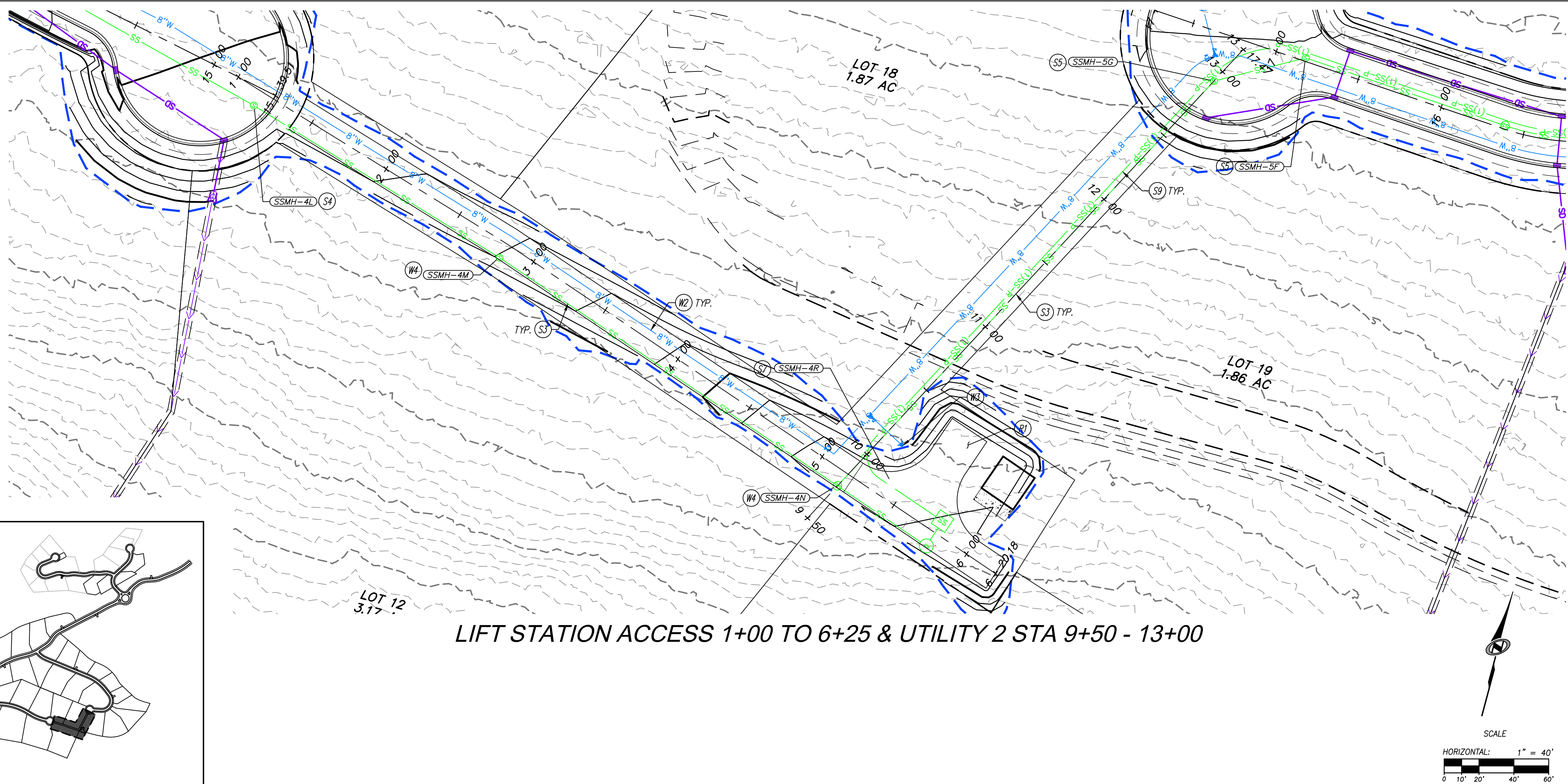
UTILITY PLAN & PROFILE

DATE: 10.22.2025

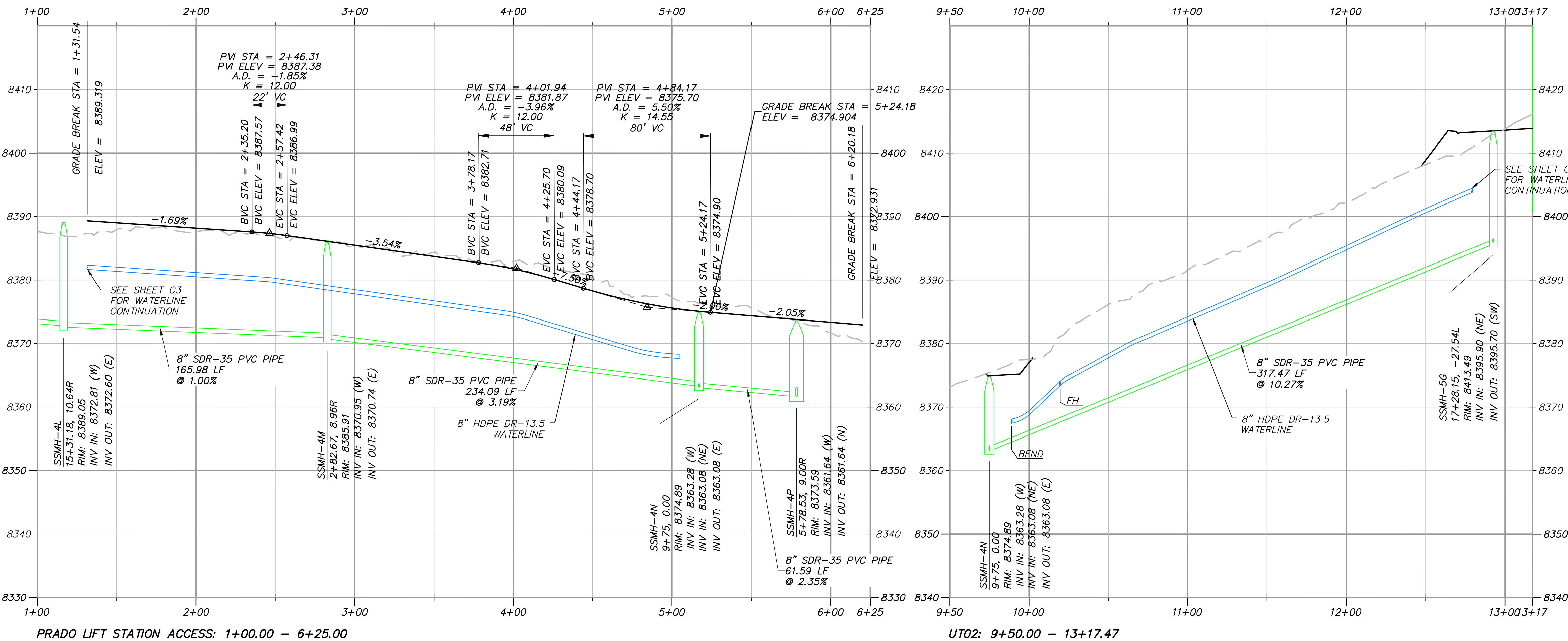
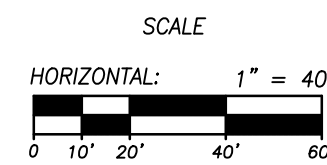
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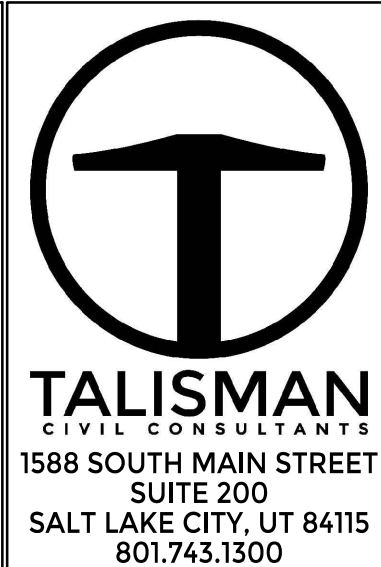
LIFT STATION ACCESS 1+00 TO 6+25 & UTILITY 2 STA 9+50 - 13+00



PROFILE SCALE:
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

PLAN AND PROFILE KEYNOTES

#	ROADWAY
R1	INSTALL ASPHALT PAVEMENT. SEE ROAD SECTION.
R2	INSTALL TYPE F CURB & GUTTER. SEE APWA STANDARD PLAN 205.2, SHEET C902.
R3	INSTALL MODIFIED TYPE F CURB & GUTTER. SEE DETAIL X, SHEET C9XX.
R4	CONNECT NEW TYPE F CURB & GUTTER TO EXISTING CURB & GUTTER PER APWA STANDARD PLAN 206, SHEET C902.
R5	INSTALL 5' WIDE x 10" DEEP OF 3" GRANULAR BORROW SHOULDER, COMPACTED TO 95% MODIFIED PROCTOR PER APWA 2017 STANDARDS.
R6	INSTALL ROADWAY BASE ACCESS ROAD. SEE ROAD SECTION.
R7	SEE BRIDGE DESIGN PACKAGE FOR BRIDGE. SEE GUARDRAIL DETAILS ON SHEET C907.
R8	SEE WALL DESIGN PACKAGE FOR WALL DESIGN.
#	STORM DRAIN
D1	INSTALL CORRUGATED HDPE STORM DRAIN PIPE PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
D2	INSTALL SINGLE GRATE STORM DRAIN INLET WITH GRATE & FRAME PER D&L PART# I-3386 & APWA STANDARD PLAN 362, SHEETS C903 & C904.
D3	INSTALL PIPE OUTFALL (FES) PER APWA STANDARD PLAN 323.1, SHEET C904, WITH 10' WIDE x 20' LONG D50=9" RIP RAP 18" DEEP.
D4	INSTALL 4' WIDE x 1' DEEP SWALE, D50=9" RIP RAP LINED, PER DETAIL B, SHEET C904.
D5	INSTALL SDR-17 FUSED HDPE STORM DRAIN PIPE. PER APWA STANDARD DETAILS 381 & 382, SHEETS C904 & C905 & ROAD SECTION.
#	SANITARY SEWER
S1	CONNECT TO EXISTING SANITARY SEWER STUB.
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S6	INSTALL 72" SANITARY SEWER MANHOLE PER PMWSID DETAIL SS-2, SHEET C900.
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S10	INSTALL PRESSURE SEWER JETTING STATION PER PMWSID DETAIL W-16, SHEET C907.
S11	INSTALL PRESSURE SEWER AIR RELEASE VALVE (CAV) PER DETAIL A, SHEET C904.
S12	CAP 6" PRESSURE SEWER STUB.
#	WATER
W1	CONNECT TO EXISTING WATER MAIN.
W2	INSTALL HDPE DR-13.5 WATERLINE PER PMWSID DETAIL W-1, SHEET C900 & ROAD SECTION.
W3	INSTALL FIRE HYDRANT PER PMWSID DETAILS W-4 & W4A, SHEET C900, & ROAD SECTION.
W4	INSTALL WATER MAIN VALVE PER DETAIL W-1, SHEET C900.
W5	INSTALL CAPPED WATER SERVICE LATERAL (WITHOUT METER) PER PMWSID DETAIL W-2 & UT-1, SHEET C900.
W6	INSTALL 6" BLOW OFF ASSEMBLY PER PMWSID DETAIL W-15, SHEET C905.
W7	INSTALL TEE WITH THRUST BLOCKING PER PMWSID DETAIL W-7, SHEET C900.
W8	INSTALL WATER AIR RELEASE ASSEMBLY (CAV) PER PMWSID DETAIL W-5, SHEET C901.
W9	INSTALL WATER PRV VAULT PER PMWSID DETAILS W-9C & W-9D, SHEET C905.
W10	CAP & BLOCK WATER MAIN PER PMWSID DETAIL W-7, SHEET C900.



POWDER MOUNTAIN
PRADO PHASE 1
UTILITY PLAN & PROFILE

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C319

23 OF 46



[illegible]

POWDER MOUNTAIN

PRADO PHASE 1

OVERALL GRADING PLAN AND KEY MAP

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

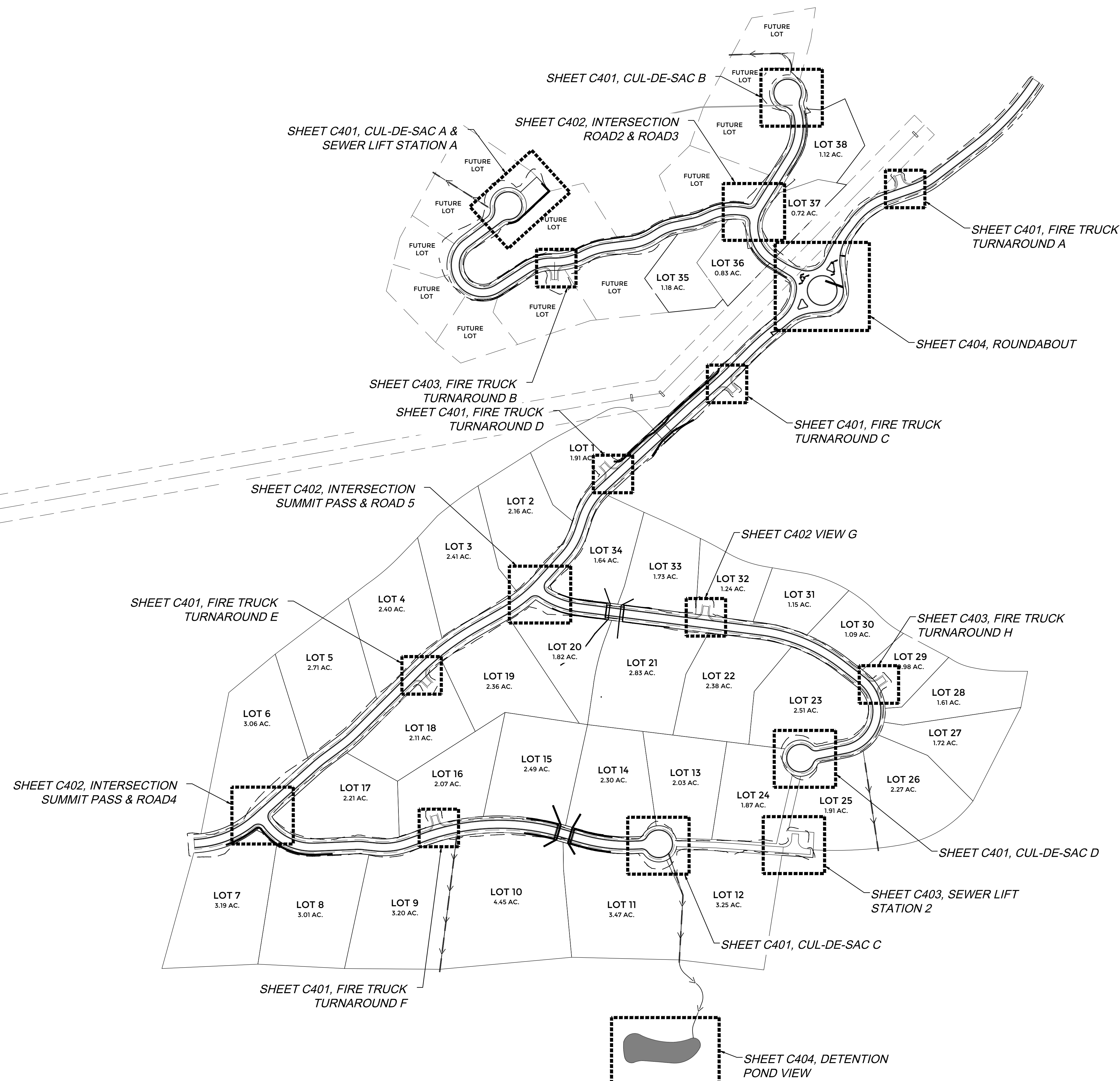


HORIZONTAL: $1'' = 20'$

SHEET NUMBER

C400

24 OF 4



[illegible]

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

POWDER MOUNTAIN

PRADO PHASE 1

GRADING PLAN

SCALE

HORIZONTAL: 1" = 20'



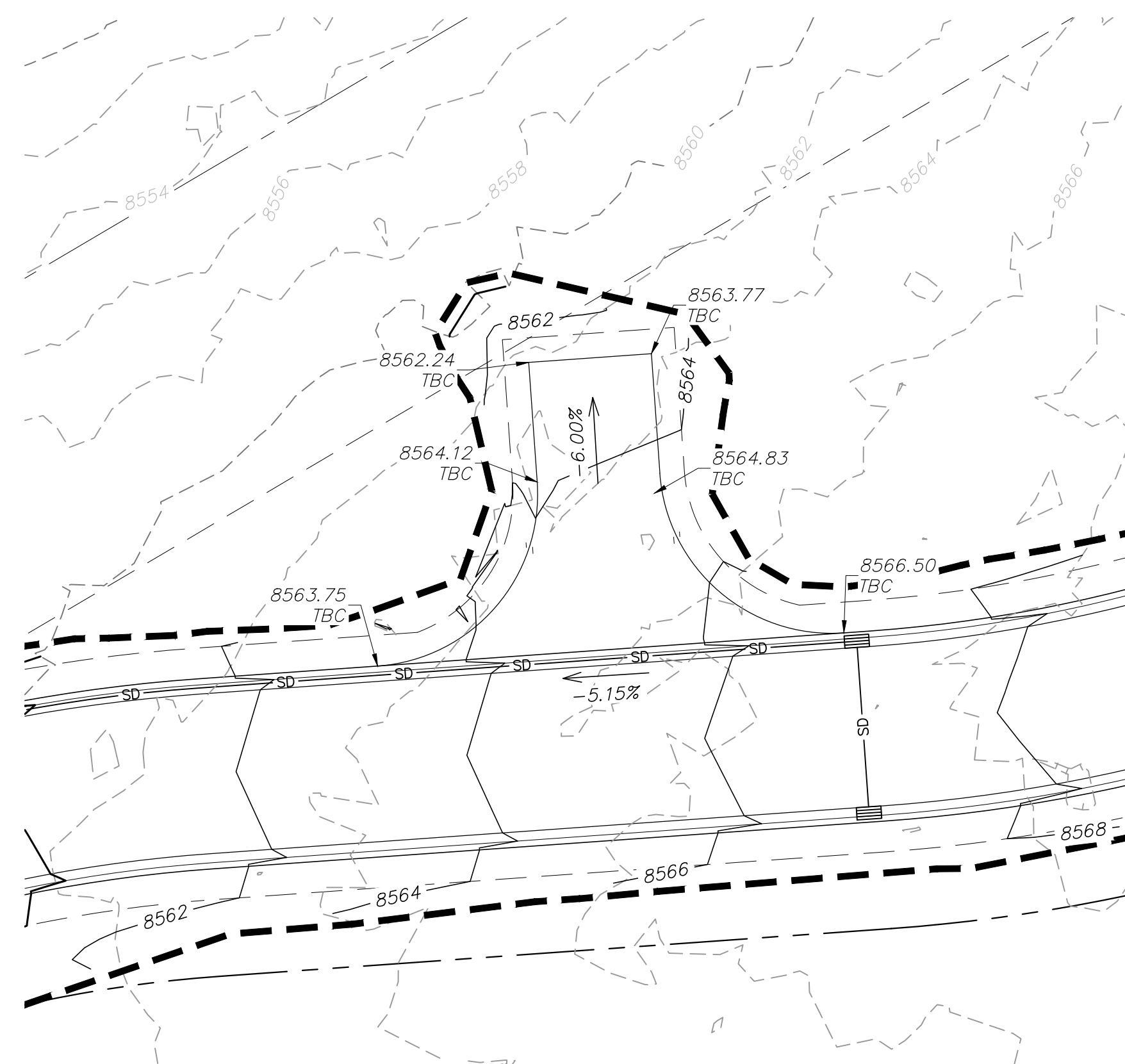
A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 5', 10', 20', and 30' at the bottom. The bar represents a total length of 30 feet.

SHEET NUMBER

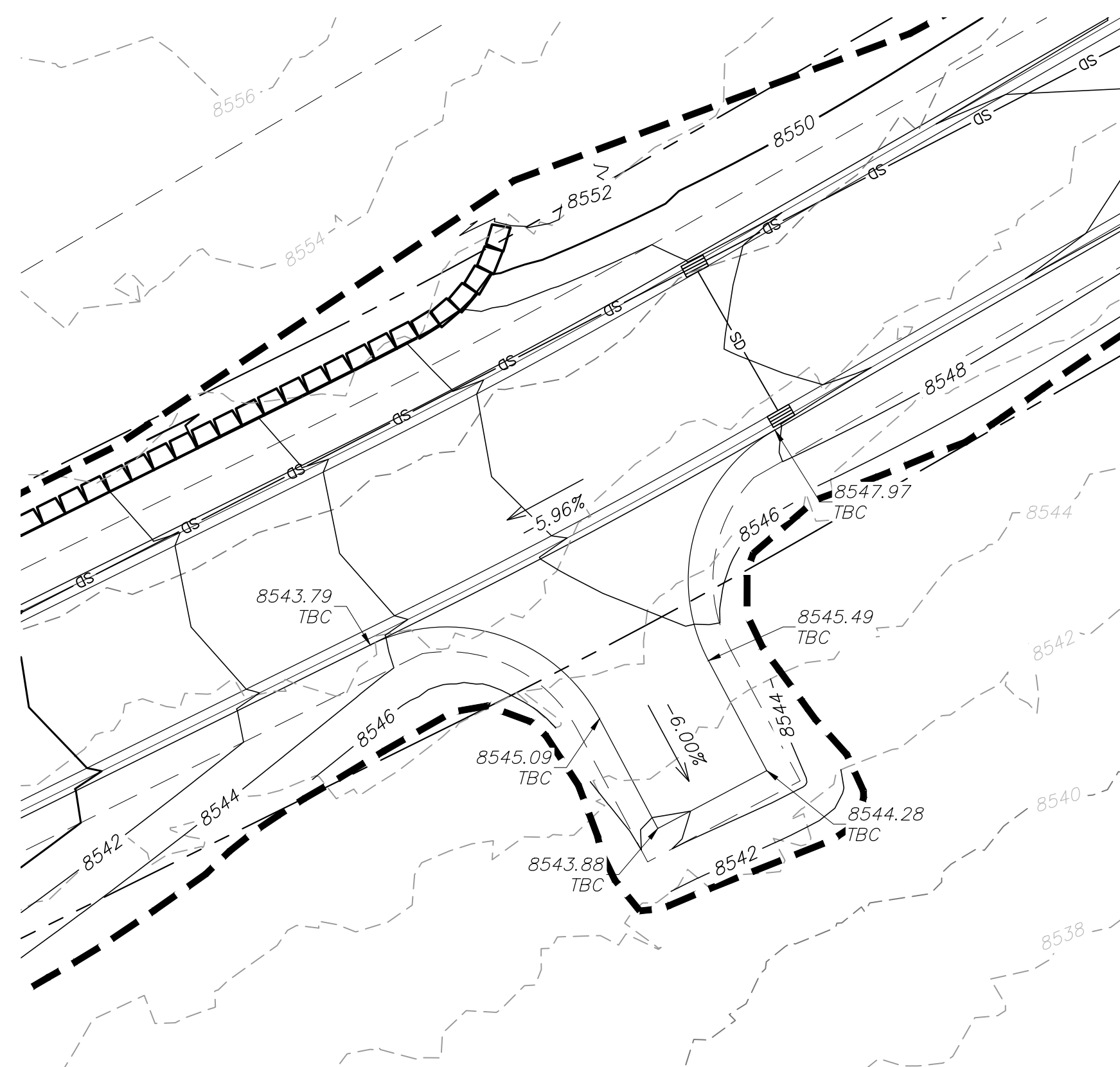
C401

25 OF 46

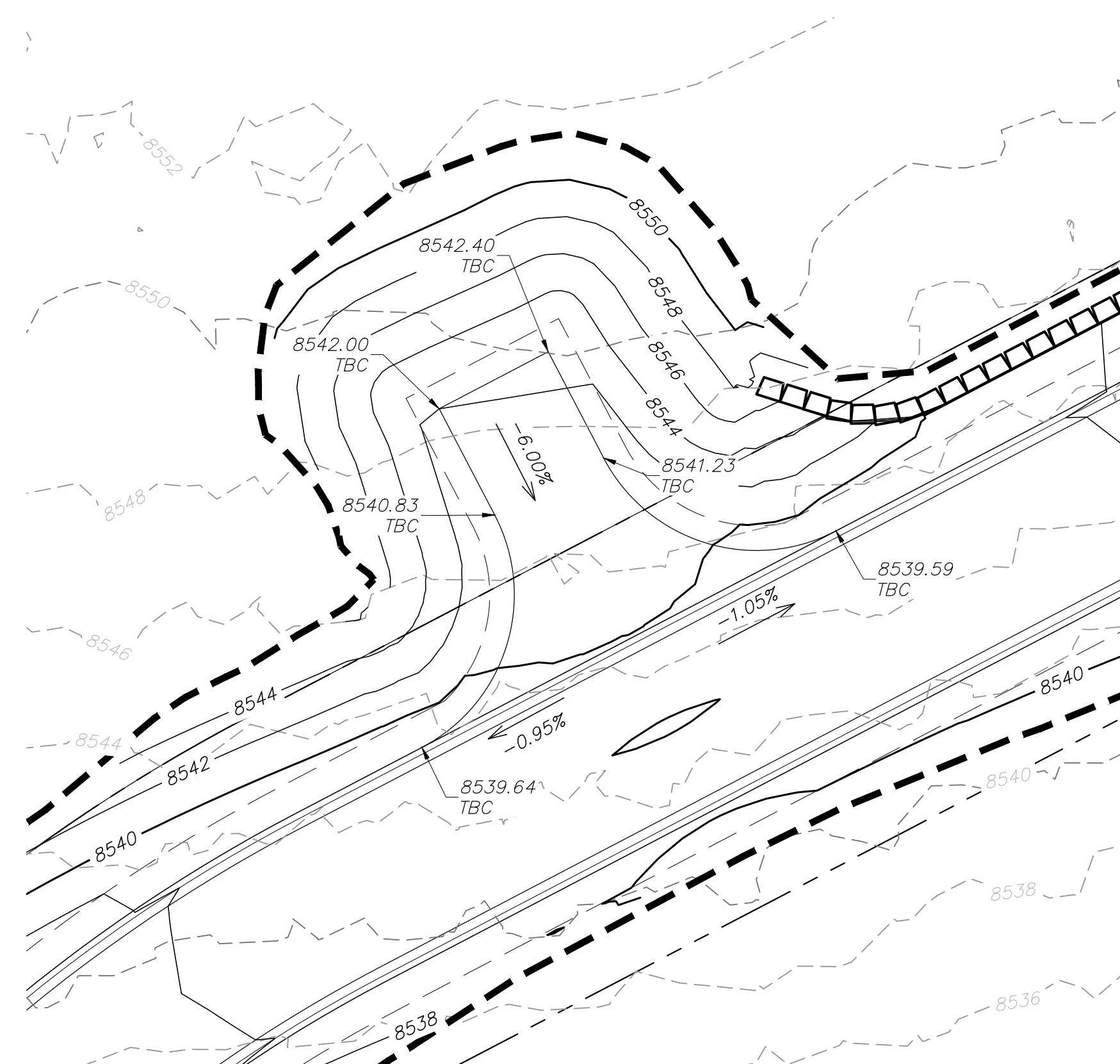




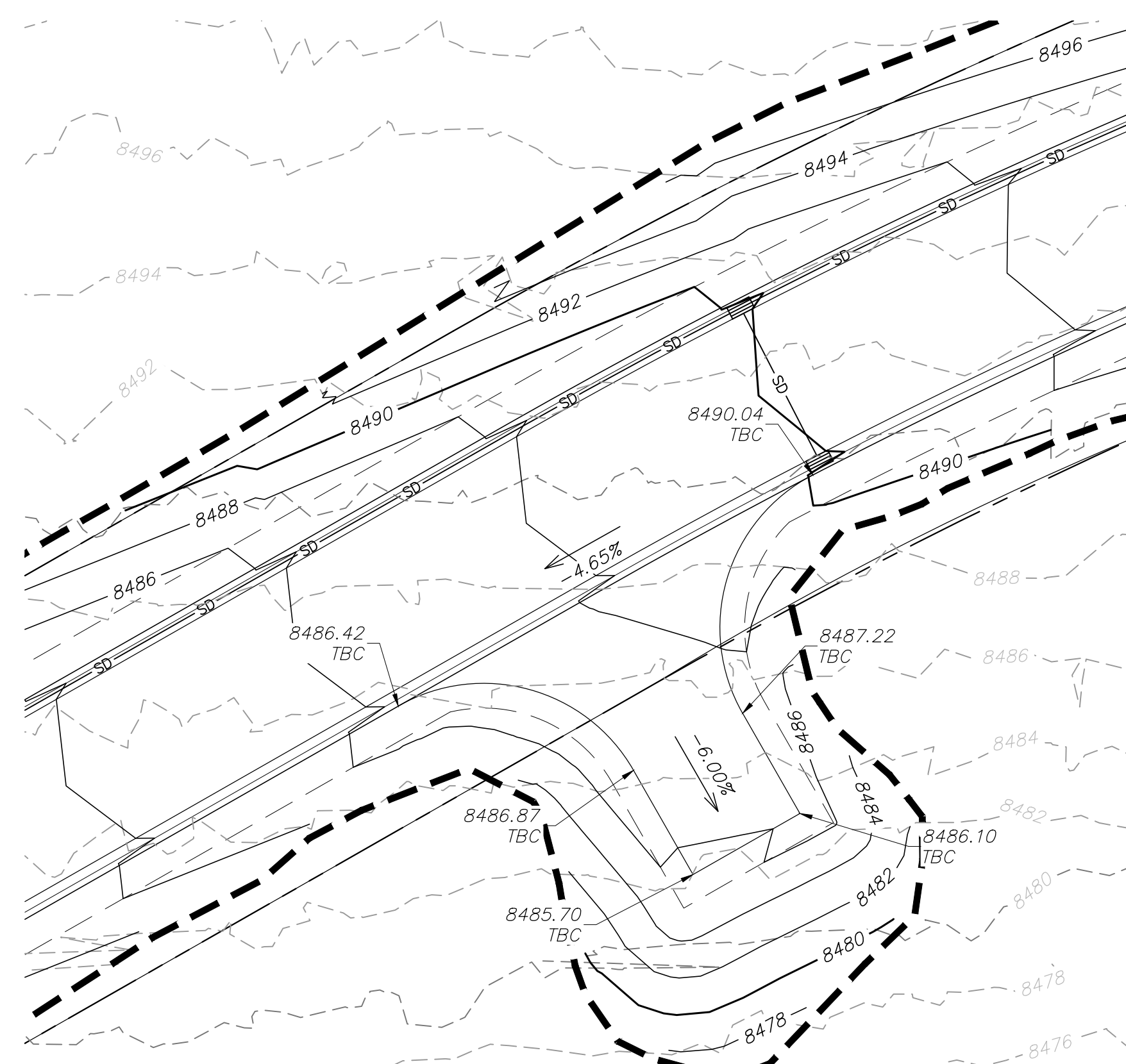
FIRE TRUCK TURNAROUND A



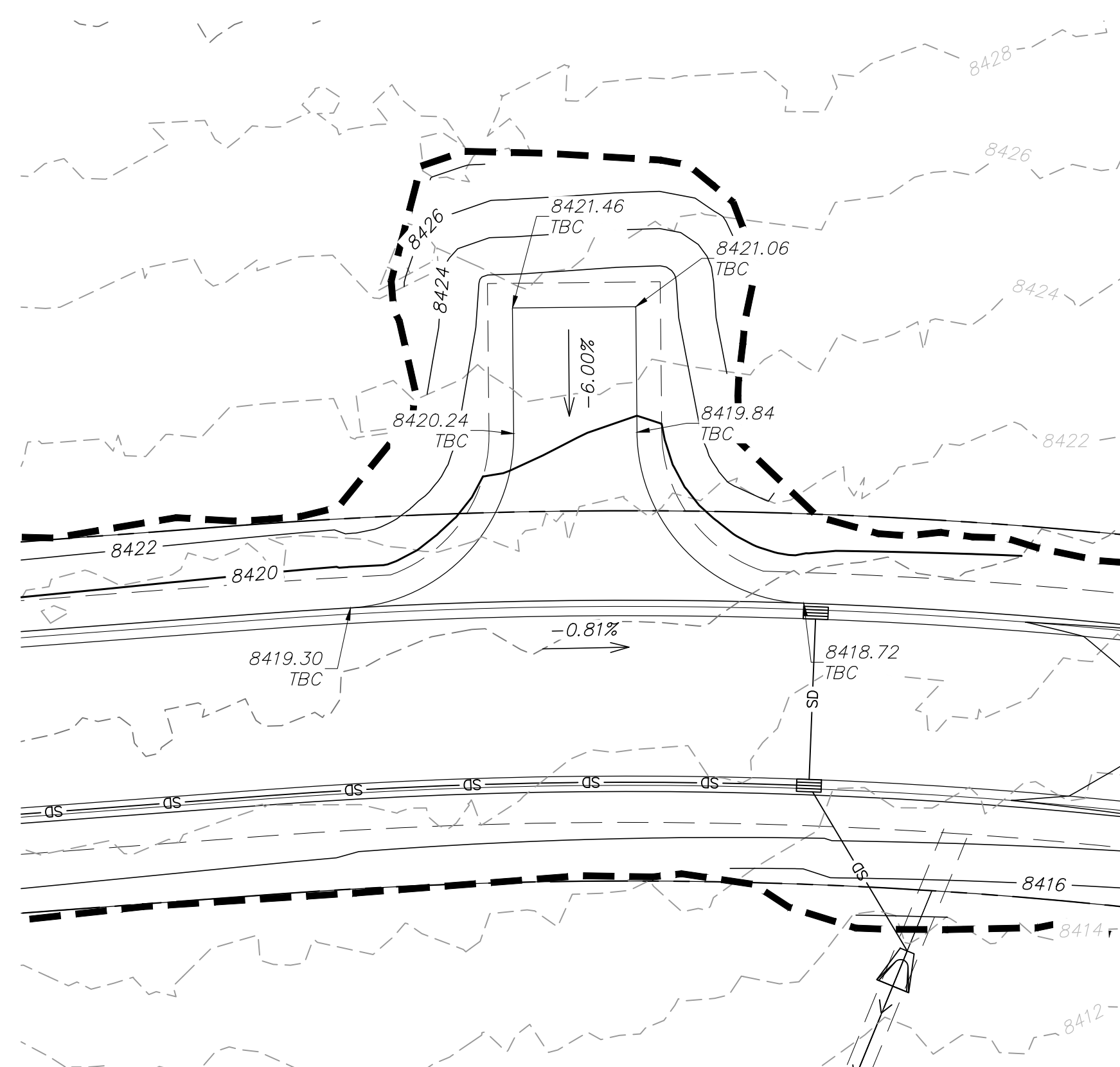
FIRE TRUCK TURNAROUND C



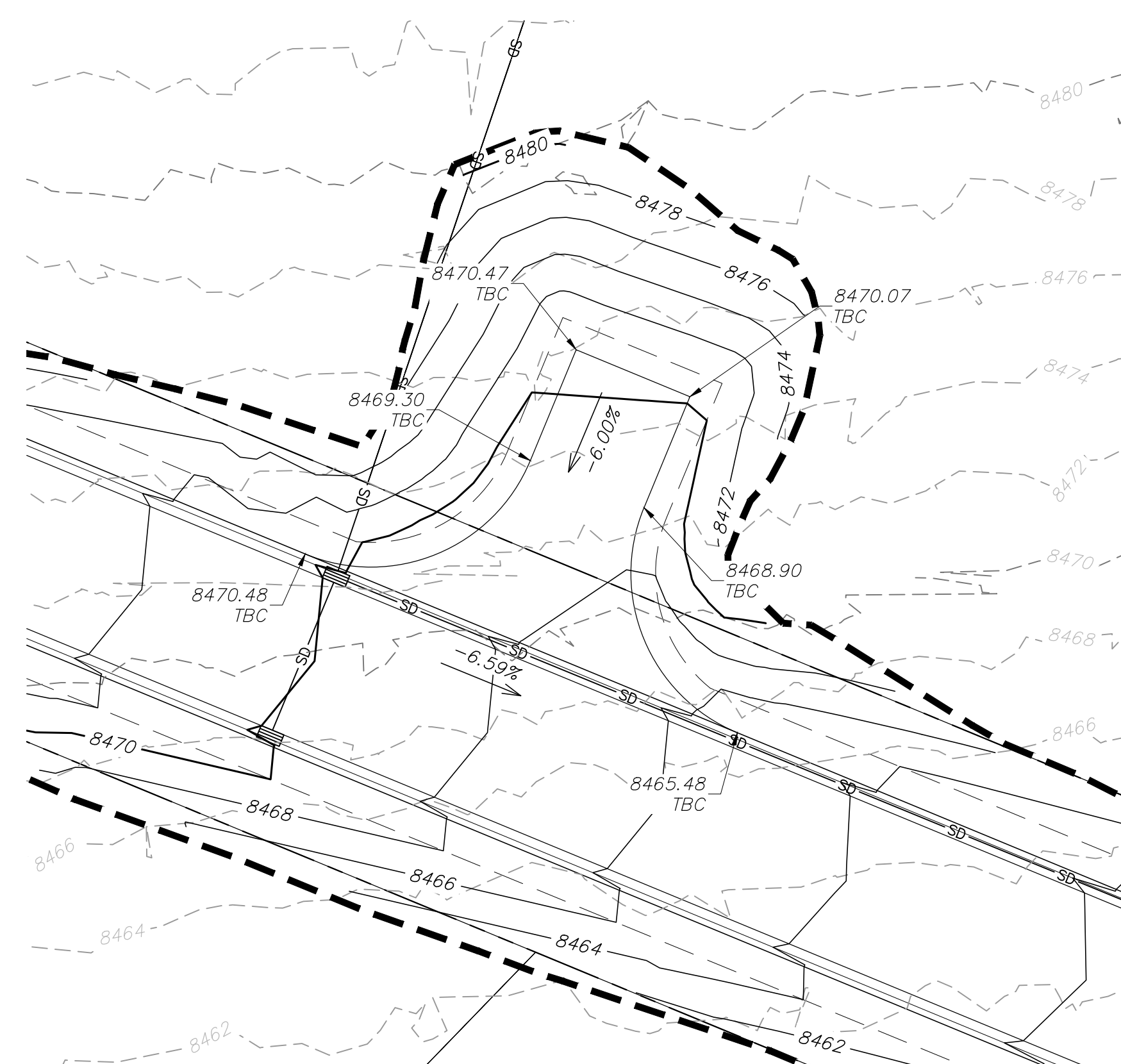
FIRE TRUCK TURNAROUND D



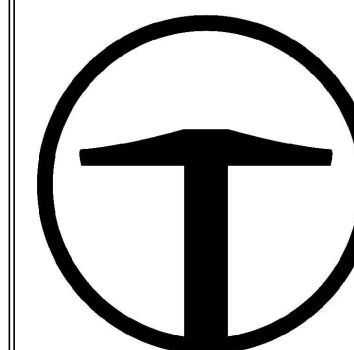
FIRE TRUCK TURNAROUND E



FIRE TRUCK TURNAROUND F



FIRE TRUCK TURNAROUND G



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SUITE 200
SALT LAKE CITY, UT 84119
801.743.1300

[illegible]

DATE: 10.22.2025

POWDER MOUNTAIN

PRADO PHASE 1

GRADING PLAN

TCC JOB NUMBER: 25-220-12



SCAN

HORIZONTAL: 1" = 20'

A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 5', 10', 20', and 30'.

SHEET NUMBER

C402

26 OF 4



[illegible]

TCC JOB NUMBER: 25-220-12

POWDER MOUNTAIN

PRADO PHASE 1

GRADING PLAN



HORIZONTAL: 1" = 20'

SHEET NUMBER

C403

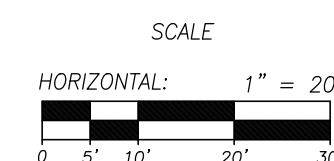
27 OF 4



[illegible]

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SHEET NUMBER

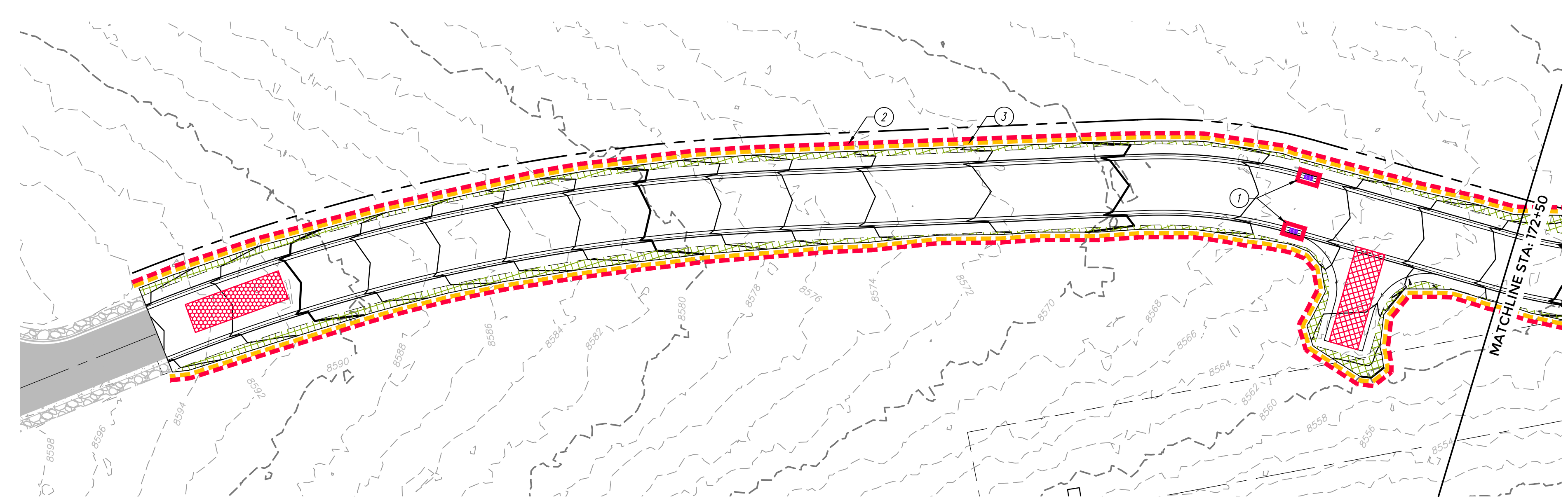
C404

28 OF 4

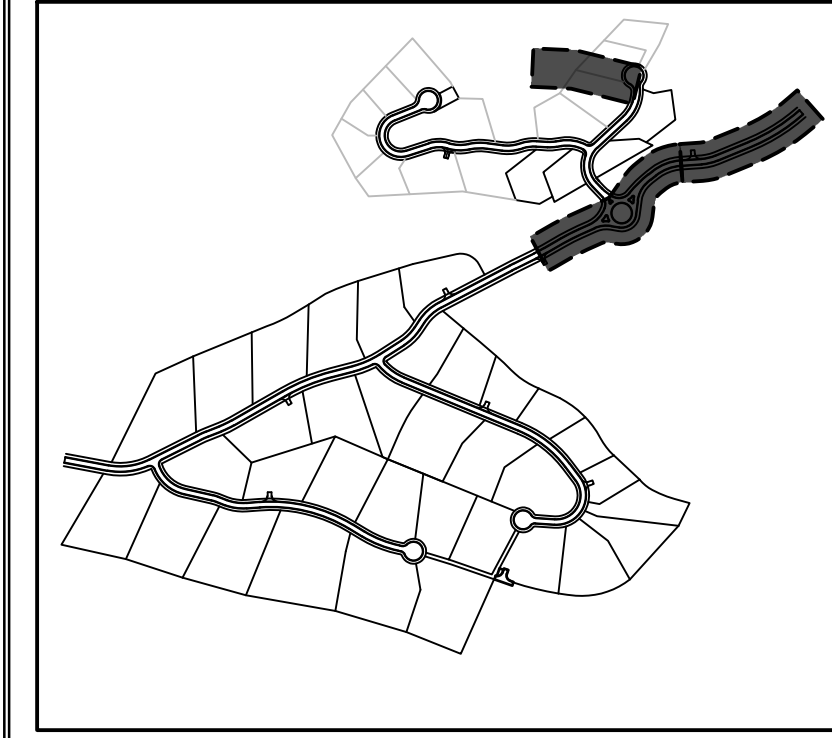


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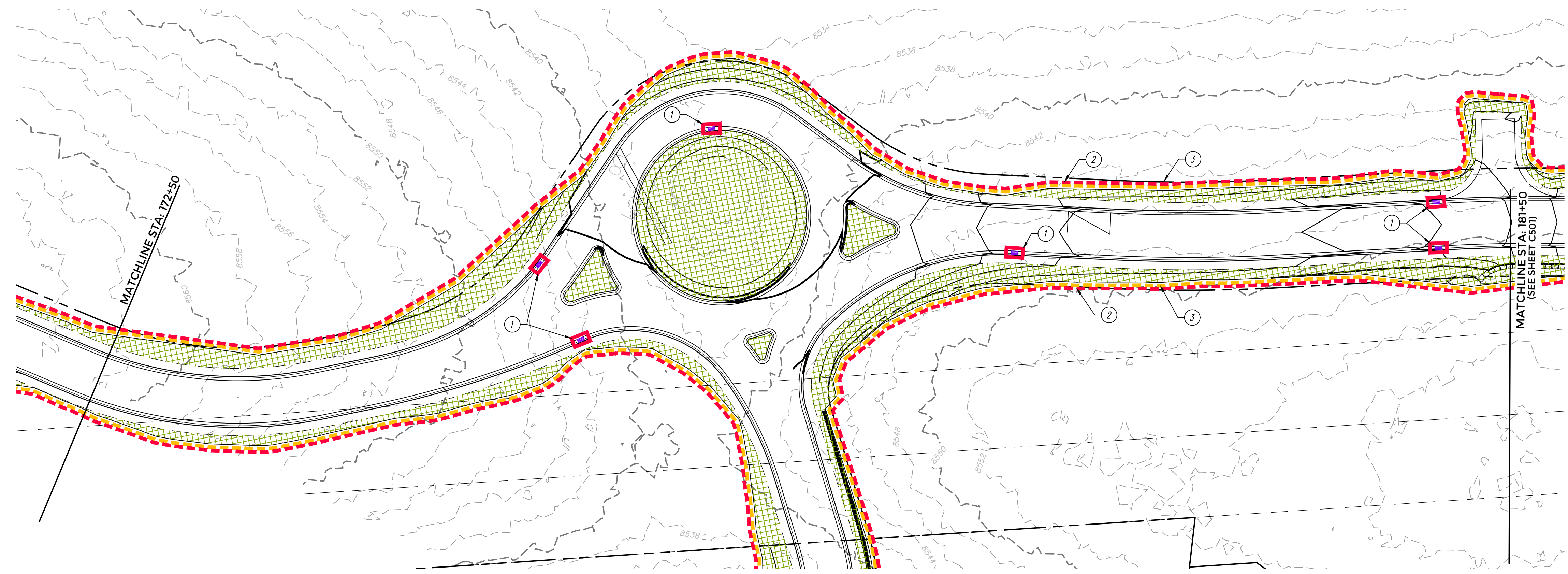
PATH: N:\S\B0783\Code\25-220-12 - Prado PH1\Code\Jp_C500 EROSION CONTROL PLAN.dwg



SUMMIT PASS STA 165+40 - 172+50



OVERALL SITE KEY



SUMMIT PASS STA 172+50 - 181+50

SCOPE OF WORK:

1. INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
2. INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
3. INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

EXPOSED SLOPES:

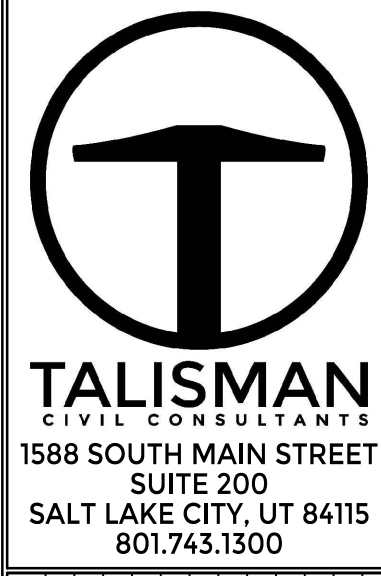
ANY DISTURBED AREAS AND/OR EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:

- A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED. USE THE FOLLOWING SEED MIXTURE.
- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
| ix. | MOUNTAIN LUPINE | 2.00 LB/AC |
| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |
- B) TRACKING STRAW PERPENDICULAR TO SLOPES
C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDING PER METHOD A ABOVE.

LEGEND:

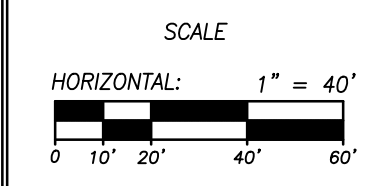
- HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDING FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.
- INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.
- STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.
- INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS 124.1 & 124.3, SHEET C901.
- INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.
- INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.



POWDER MOUNTAIN
PRADO PHASE 1
EROSION CONTROL PLAN

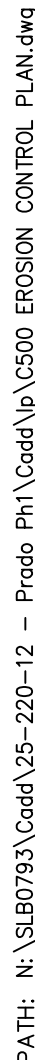
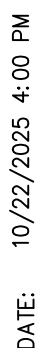
DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SHEET NUMBER
C500
29 OF 46





SCOPE OF WORK:

- ① INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

EXPOSED SLOPES:

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.
- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
| ix. | MOUNTAIN LUPINE | 2.00 LB/AC |
| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |
- B) TRACKING STRAW PERPENDICULAR TO SLOPES
- C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDED PER METHOD A ABOVE.

LEGEND:

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE COVERED 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

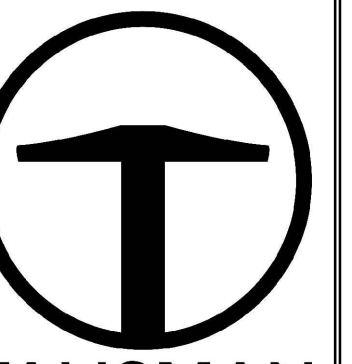
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE
INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE
APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION
ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS /
FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND
PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS
124.1 & 124.3, SHEET C901.

■ INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

- *INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.*



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[illegible]

POWDER MOUNTAIN

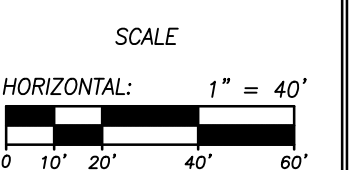
PRADO PHASE 1

EROSION CONTROL PLAN

25-220-12

DATE: 10.22.2023

CC JOB NUMBER: 23-720-12



SHEET NUMBER

C501

0 OF 46





OVERALL SITE KEY



SCOPE OF WORK:

- ① INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

EXPOSED SLOPES:

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.
- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
| ix. | MOUNTAIN LUPINE | 2.00 LB/AC |
| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |
- B) TRACKING STRAW PERPENDICULAR TO SLOPES
- C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDING PER METHOD A ABOVE.

LEGEND:

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH A NON-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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

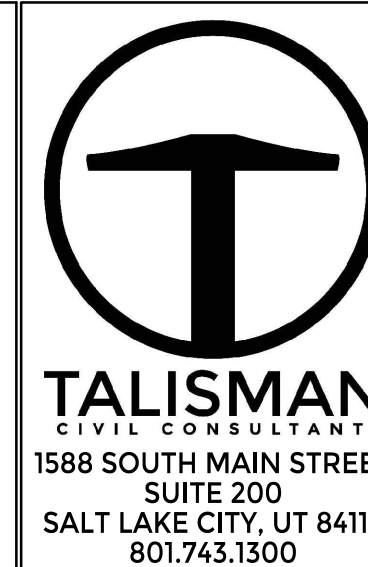
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE
INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE
APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION
ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS /
FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND
PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS
124.1 & 124.3, SHEET C901.

■ INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

- *INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.*

[illegible]

POWDER MOUNTAIN

PRADO PHASE 1

EROSION CONTROL PLAN

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SCALE

HORIZONTAL: 1" = 40'



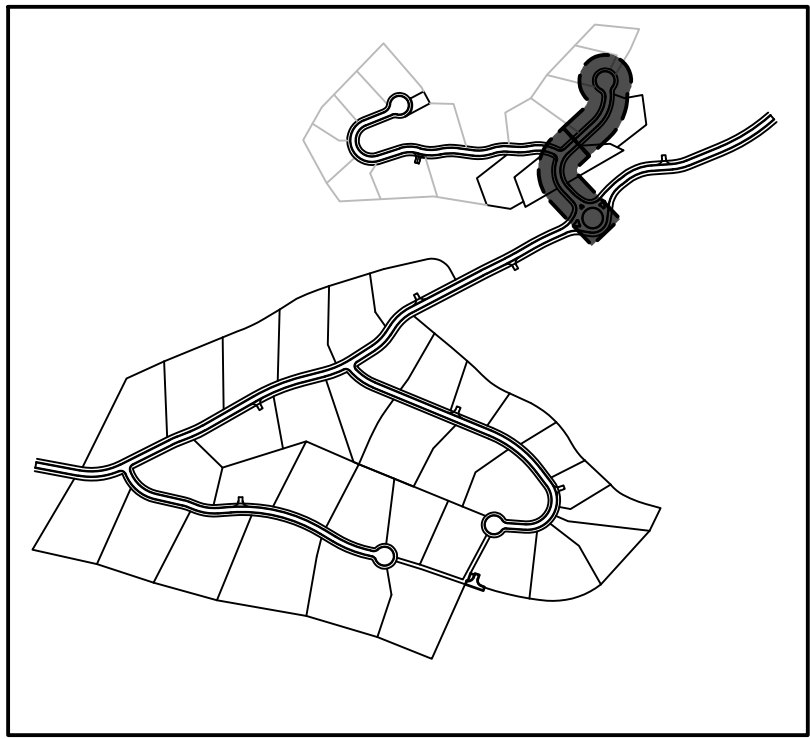
A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 10', 20', 40', and 60'.

SHEET NUMBER

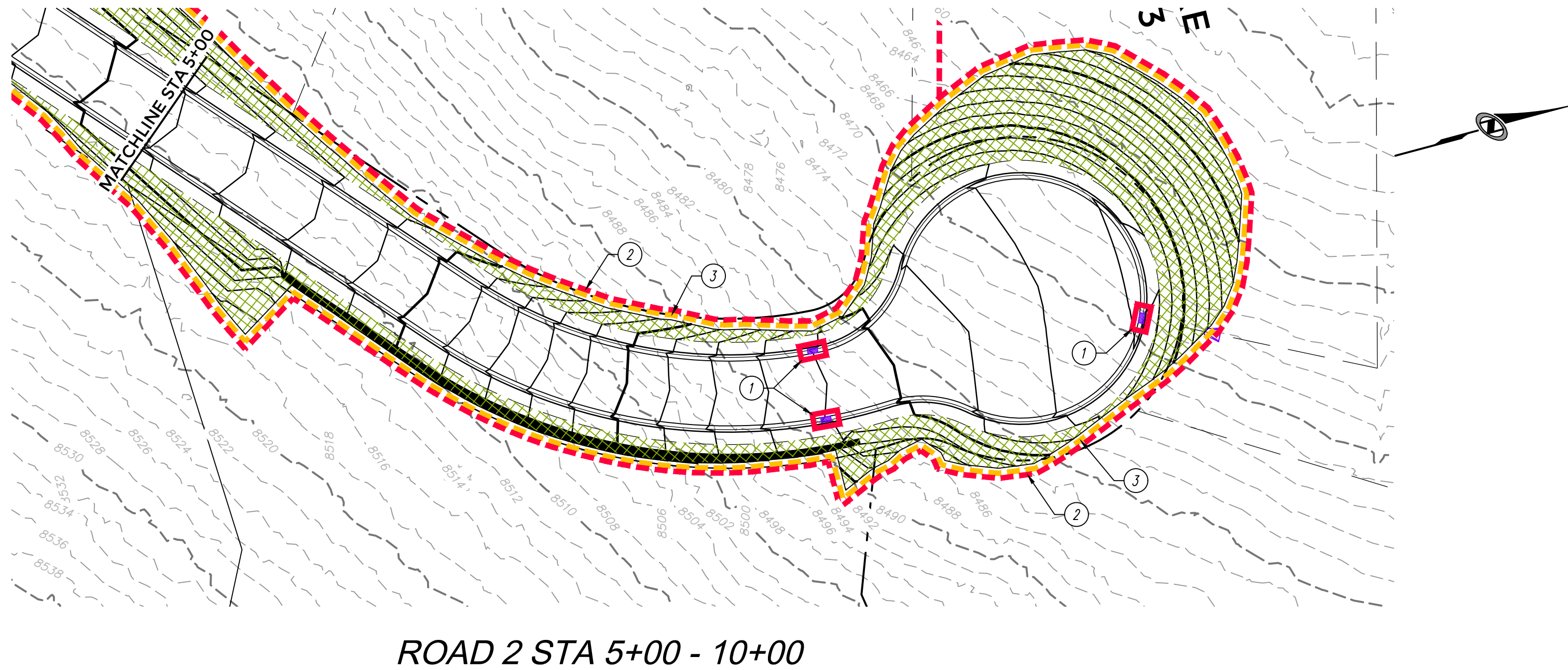
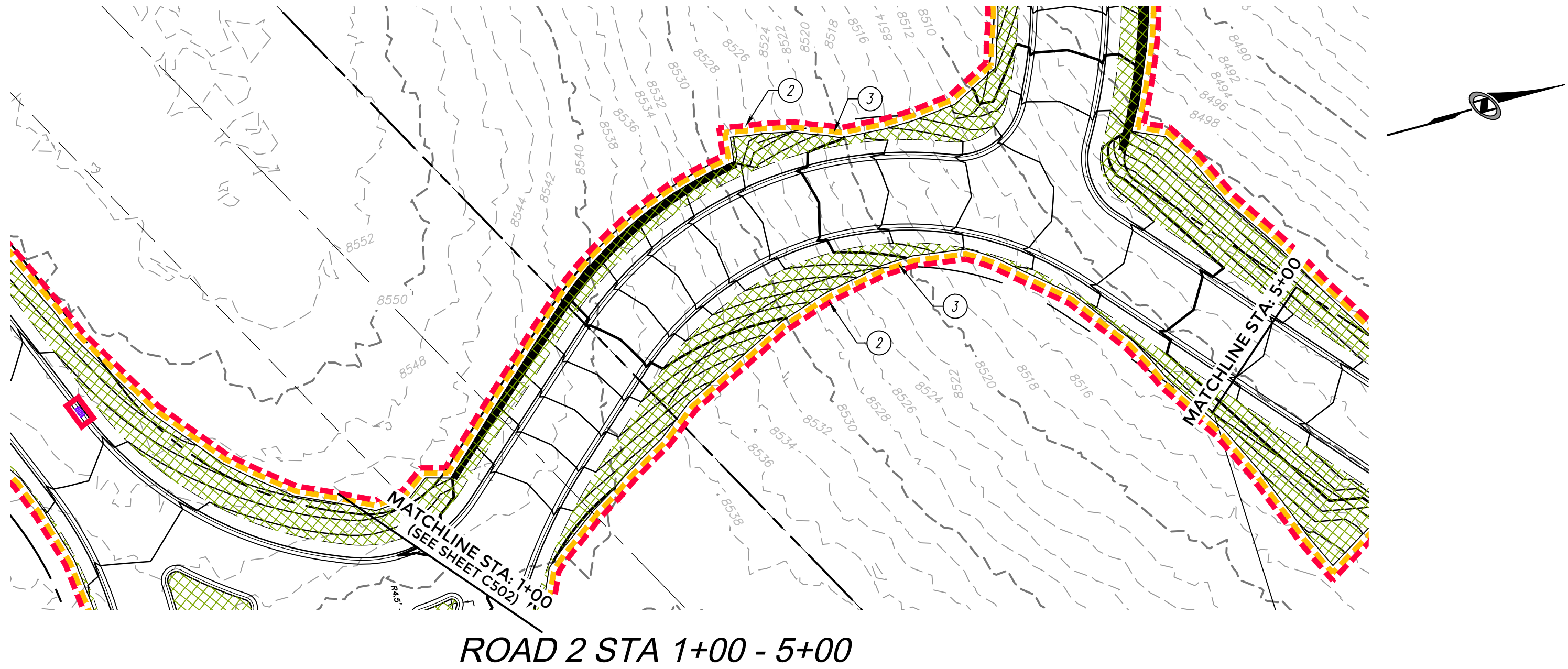
C502

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OVERALL SITE KEY



SCOPE OF WORK:

1. INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
2. INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
3. INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

EXPOSED SLOPES:

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.

i.	MOUNTAIN BROME	7.50 LB/AC
ii.	SLENDER WHEATGRASS	6.25 LB/AC
iii.	WESTERN WHEATGRASS	5.00 LB/AC
iv.	IDAHO FESCUE	2.50 LB/AC
v.	SANDBERG BLUEGRASS	1.25 LB/AC
vi.	BIG BLUEGRASS	1.25 LB/AC
vii.	BLUEBUNCH WHEATGRASS	1.25 LB/AC
viii.	ROCKY MOUNTAIN PENSTEMON	1.00 LB/AC
ix.	MOUNTAIN LUPINE	2.00 LB/AC
x.	SHOWY GOLDENEYE	0.50 LB/AC
xi.	WESTERN YARROW	0.25 LB/AC
xii.	BLUE FLAX	1.25 LB/AC

B) TRACKING STRAW PERPENDICULAR TO SLOPES

C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDING PER METHOD A ABOVE.

LEGEND:

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDED 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

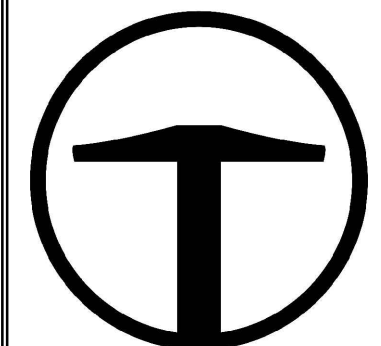
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS 124.1 & 124.3, SHEET C901.

INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

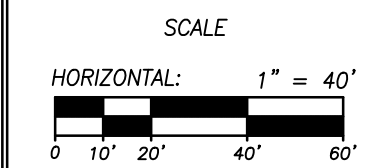


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POWDER MOUNTAIN
PRADO PHASE 1
EROSION CONTROL PLAN

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SHEET NUMBER
C503

32 OF 46

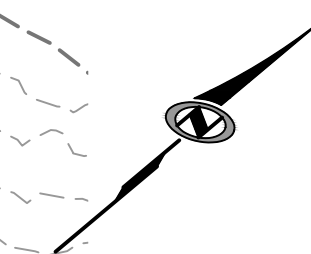




OTC



19 年



- ① INSTALL W/LET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.
- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
| ix. | MOUNTAIN LUPINE | 2.00 LB/AC |
| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |
- B) TRACKING STRAW PERPENDICULAR TO SLOPES
- C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDED PER METHOD A ABOVE.

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL VEGETATION 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

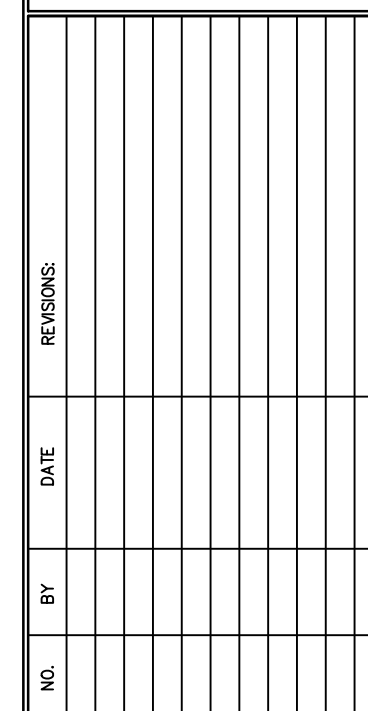
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"—2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS 124.1 & 124.3, SHEET C901.

INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.



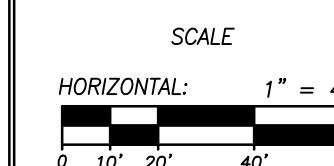
POWDER MOUNTAIN

PRADO PHASE 1

EROSION CONTROL PLAN

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SHEET NUMBER

C504



- ① INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.

- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
| ix. | MOUNTAIN LUPINE | 2.00 LB/AC |
| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |

- B) TRACKING STRAW PERPENDICULAR TO SLOPES
C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDED PER METHOD A ABOVE.

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

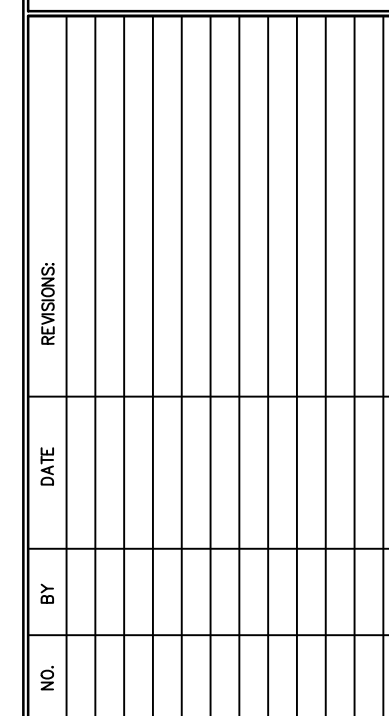
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLANS 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS 124.1 & 124.3, SHEET C901.

INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION



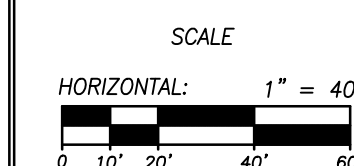
POWDER MOUNTAIN

PRADO PHASE 1

EROSION CONTROL PLAN

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12



SHEET NUMBER

C505



- ① INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER COTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.
- | | | |
|-------|--------------------------|------------|
| i. | MOUNTAIN BROME | 7.50 LB/AC |
| ii. | SLENDER WHEATGRASS | 6.25 LB/AC |
| iii. | WESTERN WHEATGRASS | 5.00 LB/AC |
| iv. | IDAHO FESCUE | 2.50 LB/AC |
| v. | SANDBERG BLUEGRASS | 1.25 LB/AC |
| vi. | BIG BLUEGRASS | 1.25 LB/AC |
| vii. | BLUEBUNCH WHEATGRASS | 1.25 LB/AC |
| viii. | ROCKY MOUNTAIN PENSTEMON | 1.00 LB/AC |
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| x. | SHOWY GOLDENEYE | 0.50 LB/AC |
| xi. | WESTERN YARROW | 0.25 LB/AC |
| xii. | BLUE FLAX | 1.25 LB/AC |
- B) TRACKING STRAW PERPENDICULAR TO SLOPES
- C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDING PER METHOD A ABOVE.

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL VEGETATION 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

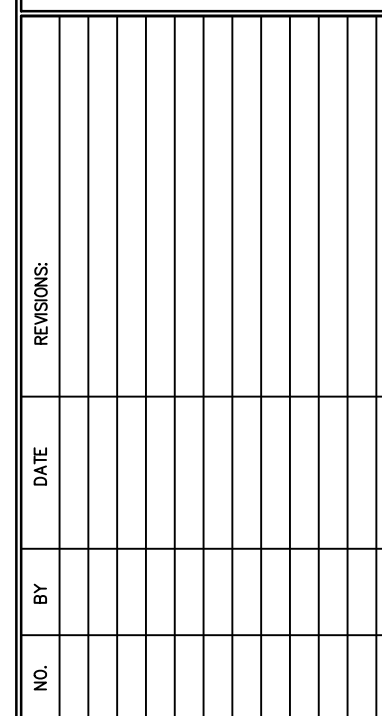
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"—2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS 124.1 & 124.3, SHEET C901.

INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET C901.

INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.



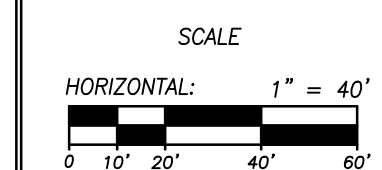
POWDER MOUNTAIN

PRADO PHASE 1

EROSION CONTROL PLAN

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

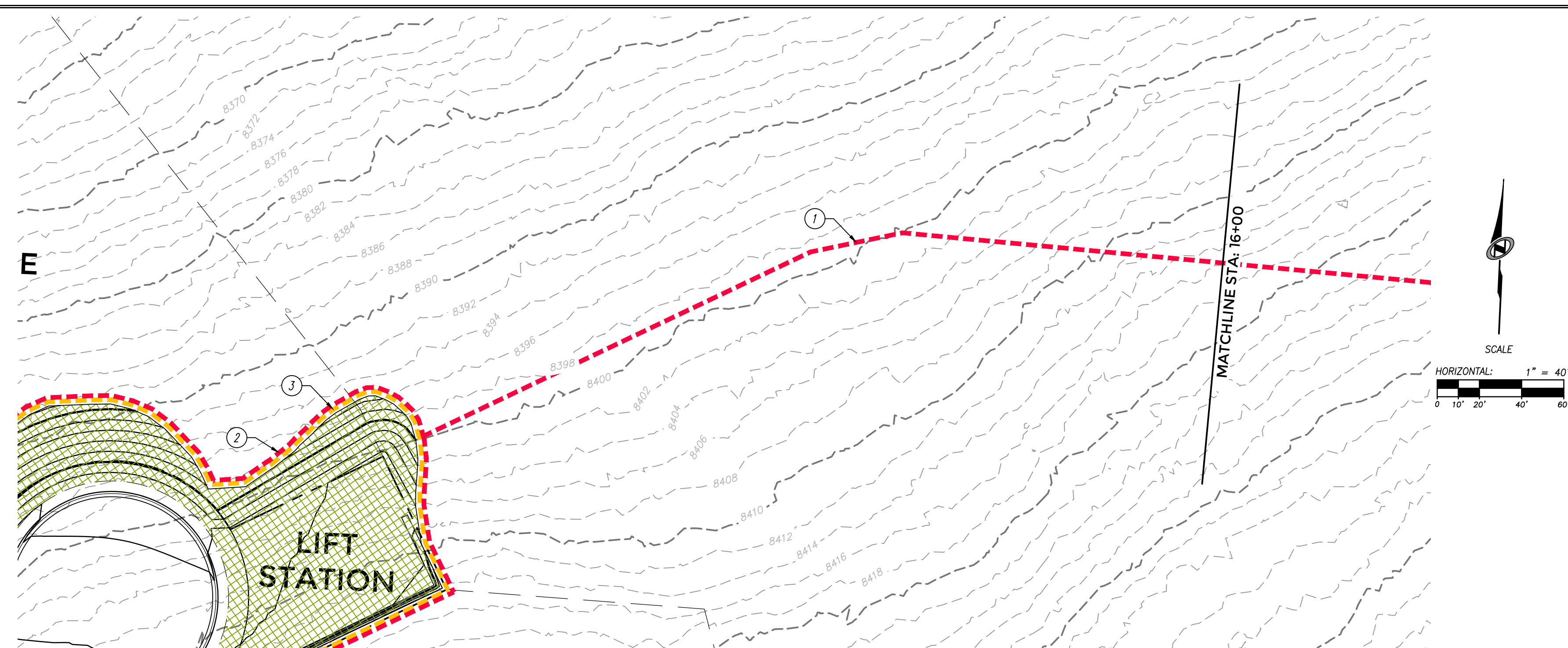


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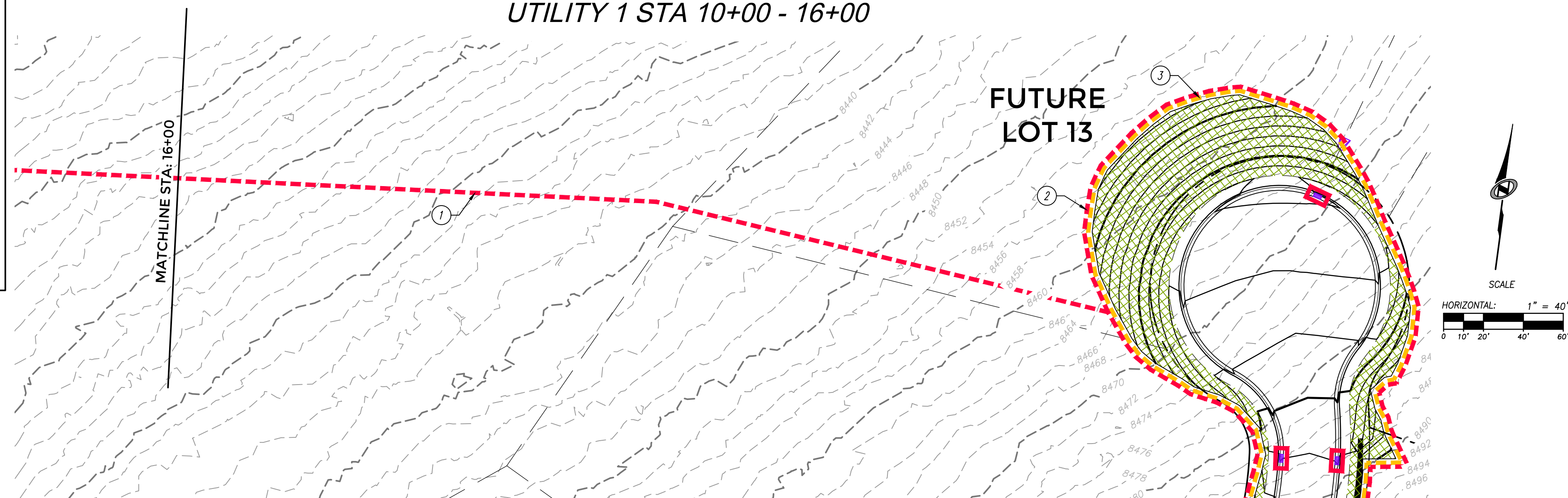
C506

35 OF 46

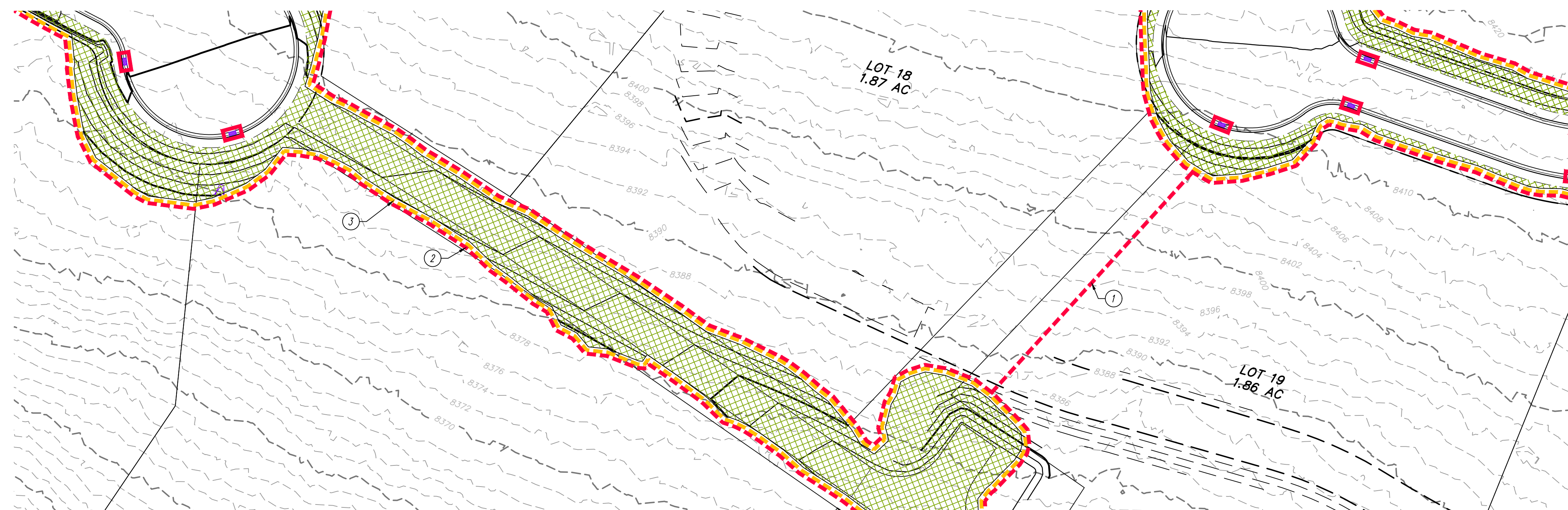




UTILITY 1 STA 10+00 - 16+00



UTILITY 1 STA 16+00 - 22+25



UTILITY 2 STA 9+50 - 18+50

SCOPE OF WORK:

- ① INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.
- ② INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- ③ INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

EXPOSED SLOPES:

ANY DISTURBED AREAS AND/OR 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. USE THE FOLLOWING SEED MIXTURE.

i.	MOUNTAIN BROME	7.50 LB/AC
ii.	SLENDER WHEATGRASS	6.25 LB/AC
iii.	WESTERN WHEATGRASS	5.00 LB/AC
iv.	IDAHO FESCUE	2.50 LB/AC
v.	SANDBERG BLUEGRASS	1.25 LB/AC
vi.	BIG BLUEGRASS	1.25 LB/AC
vii.	BLUEBUNCH WHEATGRASS	1.25 LB/AC
viii.	ROCKY MOUNTAIN PENSTEMON	1.00 LB/AC
ix.	MOUNTAIN LUPINE	2.00 LB/AC
x.	SHOWY GOLDENEYE	0.50 LB/AC
xi.	WESTERN YARROW	0.25 LB/AC
xii.	BLUE FLAX	1.25 LB/AC

- B) TRACKING STRAW PERPENDICULAR TO SLOPES
C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

UPON COMPLETION OF PROJECT ALL DISTURBED AREAS MUST BE RE-SEEDED PER METHOD A ABOVE.

LEGEND:

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDING FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL VEGETATION MUST BE COVERED WITH 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. SEE SHEET C001 EROSION CONTROL GENERAL NOTES.

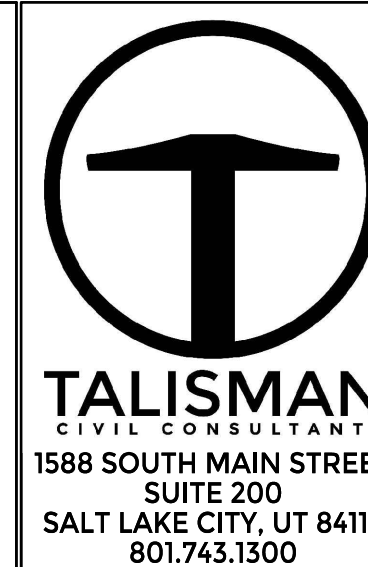
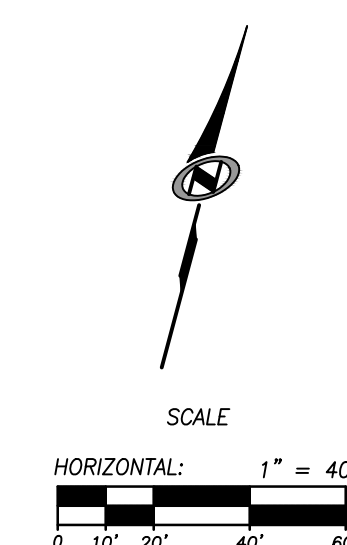
INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5"
COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY
WATER FOR VEHICLE WASH DOWN. SEE PLAN 125, SHEET C901.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE
INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE
APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION
ENTRANCES WILL BE REQUIRED. SEE PLAN 125, SHEET C901.

INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS /
FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND
PROPOSED CATCH BASINS AS SHOWN ON PLAN. SEE PLANS
124.1 & 124.3, SHEET C901.

INSTALL EARTH BERM ALONG DOWN GRADIENT LIMITS OF
DISTURBANCE AS SHOWN ON PLAN. SEE PLAN 123, SHEET
C901.

— INSTALL ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION.

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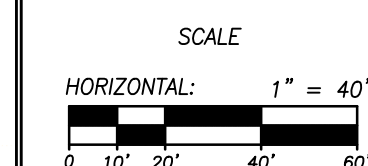
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POWDER MOUNTAIN

PRADO PHASE 1

EROSION CONTROL PLAN

TCC JOB NUMBER: 25-220-12



SHEET NUMBER

C507

36 OF 4



 EXISTING FIRE HYDRANT
 PROPOSED FIRE HYDRANT
 FIRE HOSE COVERAGE



feet

```
Width           : 12.00
Track           : 7.61
Lock to Lock Time : 6.0
Steering Angle  : 41.3
```

[illegible]

DATE: 10.22.2025

POWDER MOUNTAIN

PRADO PHASE 1

FIRE ACCESS PLAN

25-220-12

TCC JOB NUMBER: 25-220-12



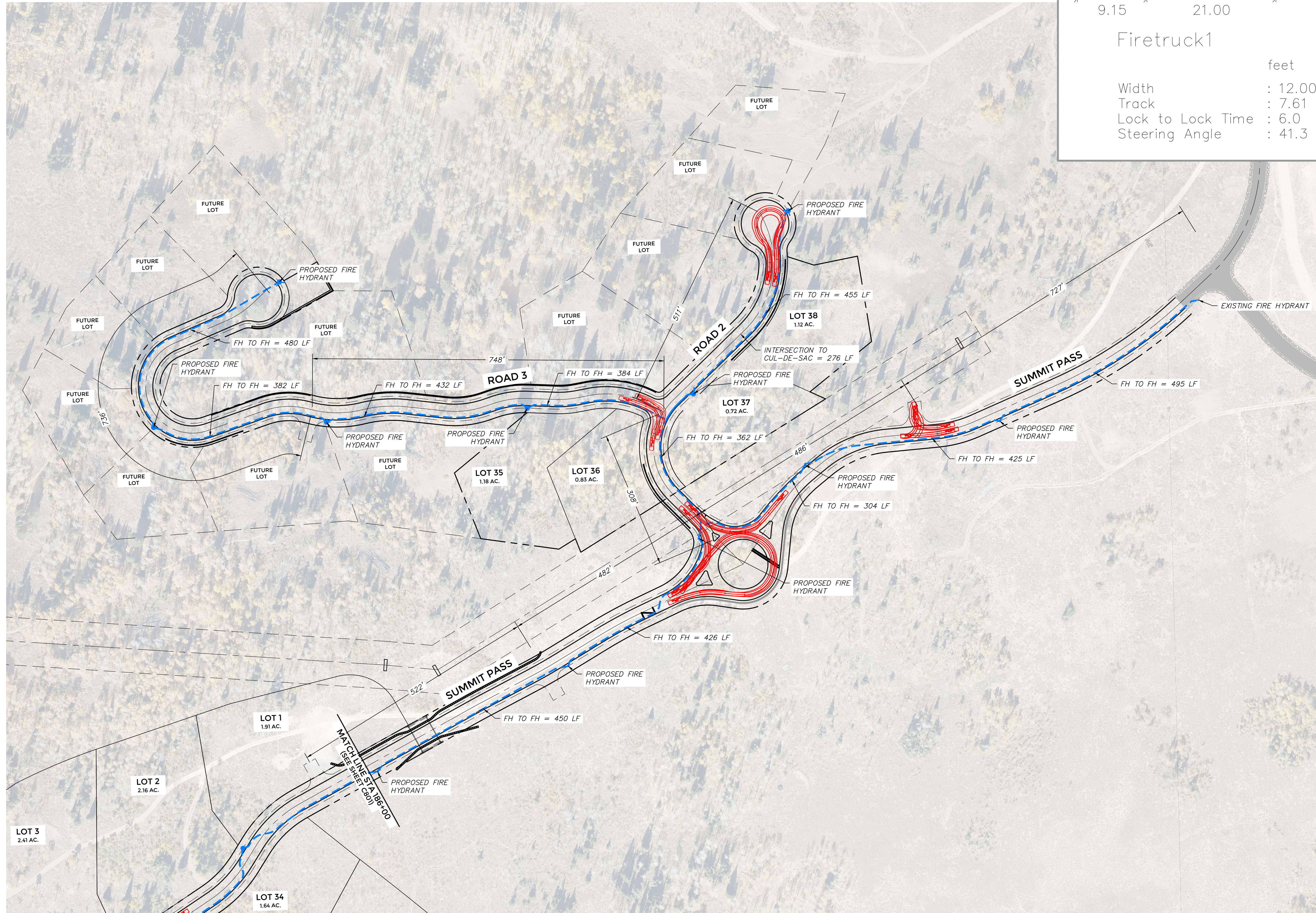
HORIZONTAL: 1" = 100'



A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 25, 50, 100, and 150, representing feet. The total length of the bar is 150 feet.

SHEET NUMBER

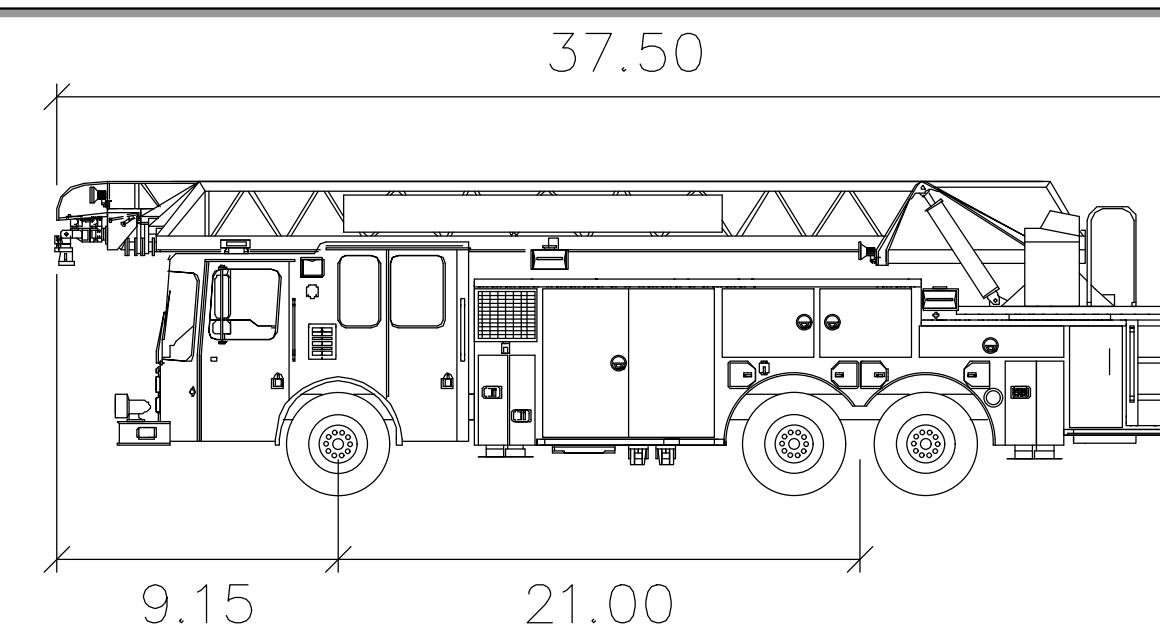
C800



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PATH: N:\SLB0793\Cadd\25-220-12 - Prado Ph1\Cadd\p\C800 FIRE ACCESS PLAN.dwg

 EXISTING FIRE HYDRANT
 PROPOSED FIRE HYDRANT
 FIRE HOSE COVERAGE



feet

Width : 12.00
Track : 7.61
Lock to Lock Time : 6.0
Steering Angle : 41.3

[illegible]

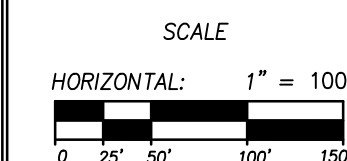
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POWDER MOUNTAIN

PRADO PHASE 1

FIRE ACCESS PLAN

TCC JOB NUMBER: 25-220-12

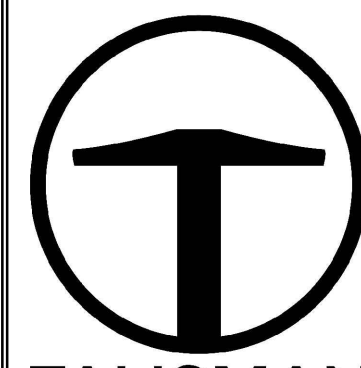
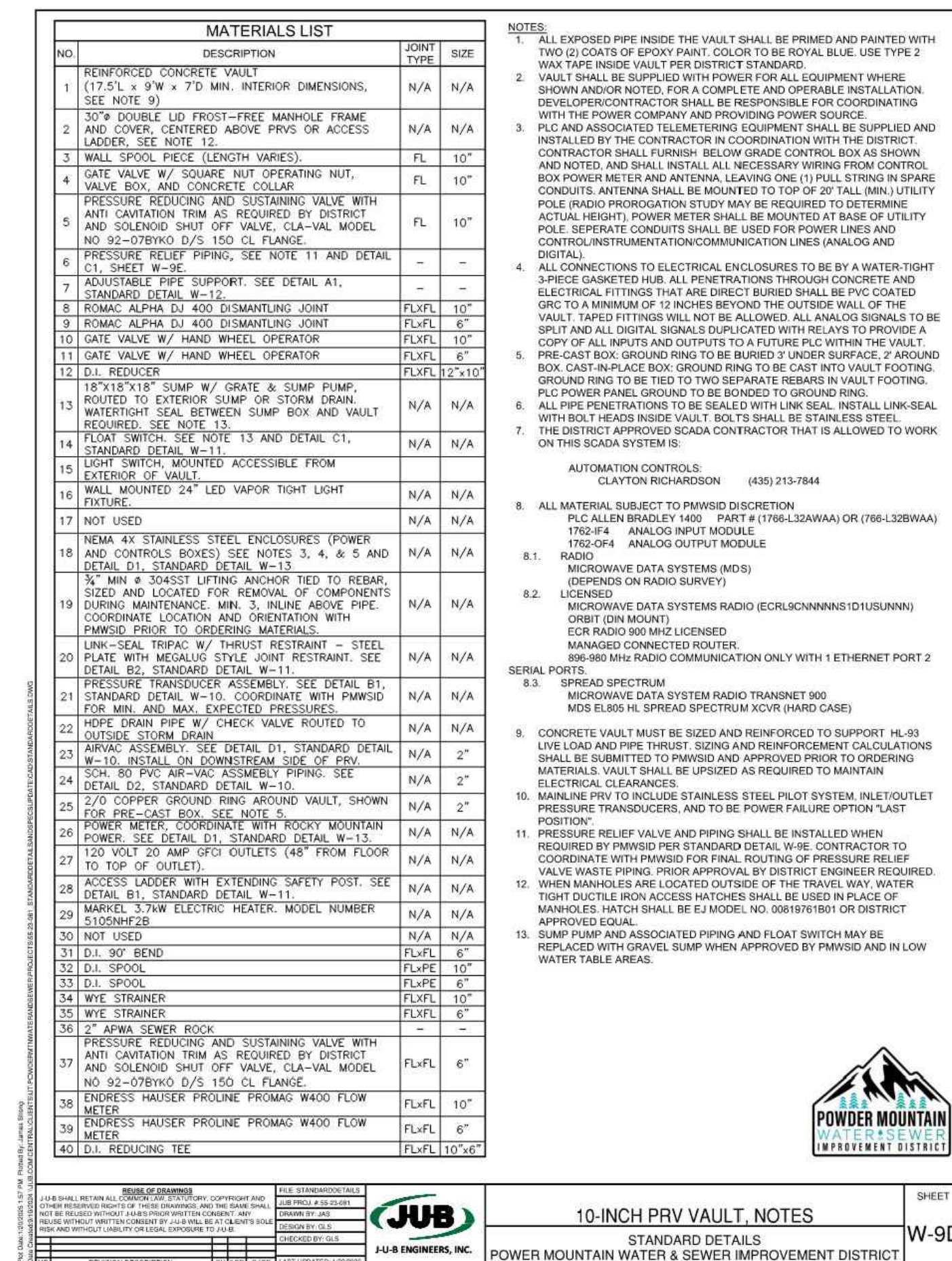
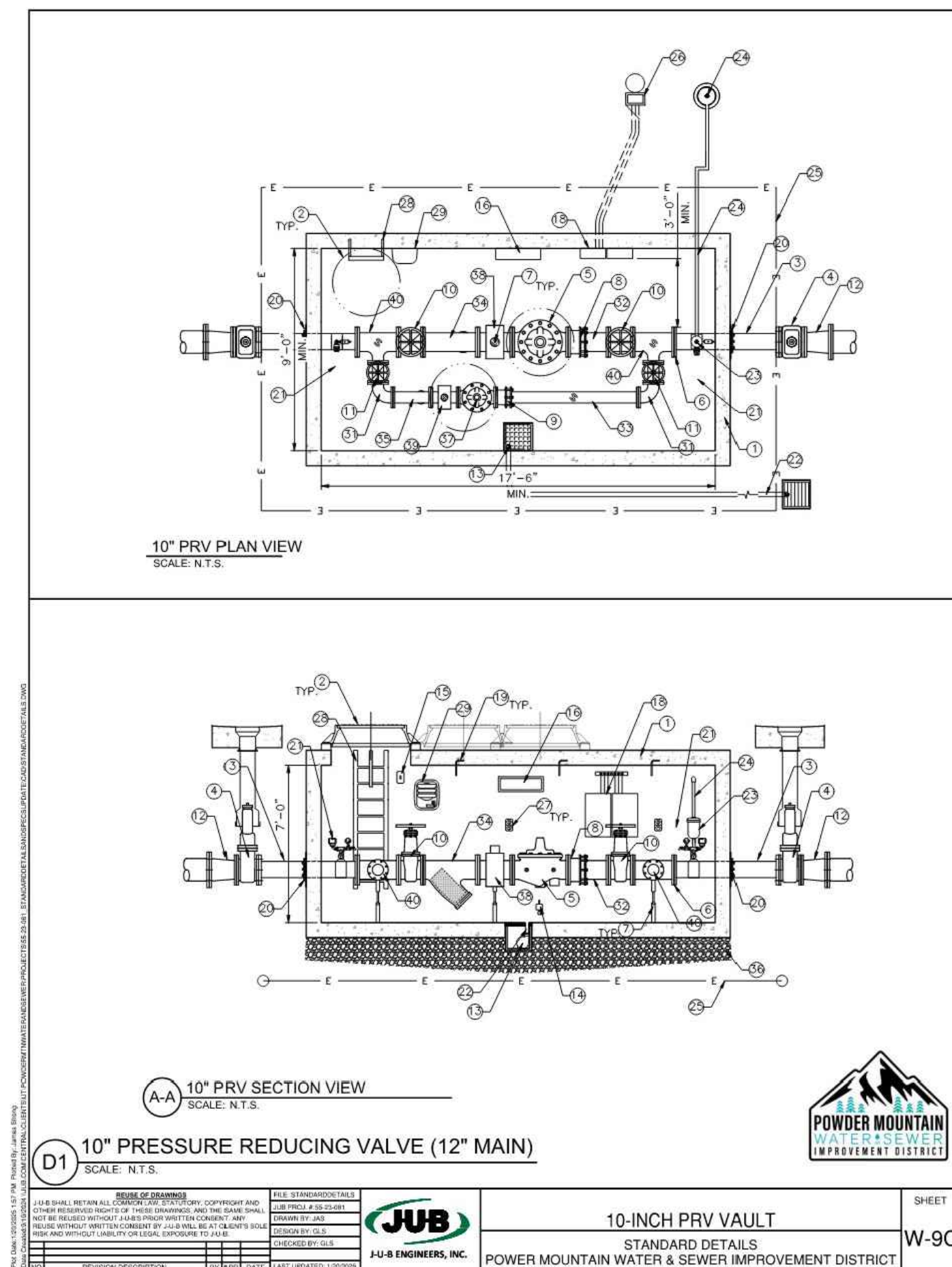
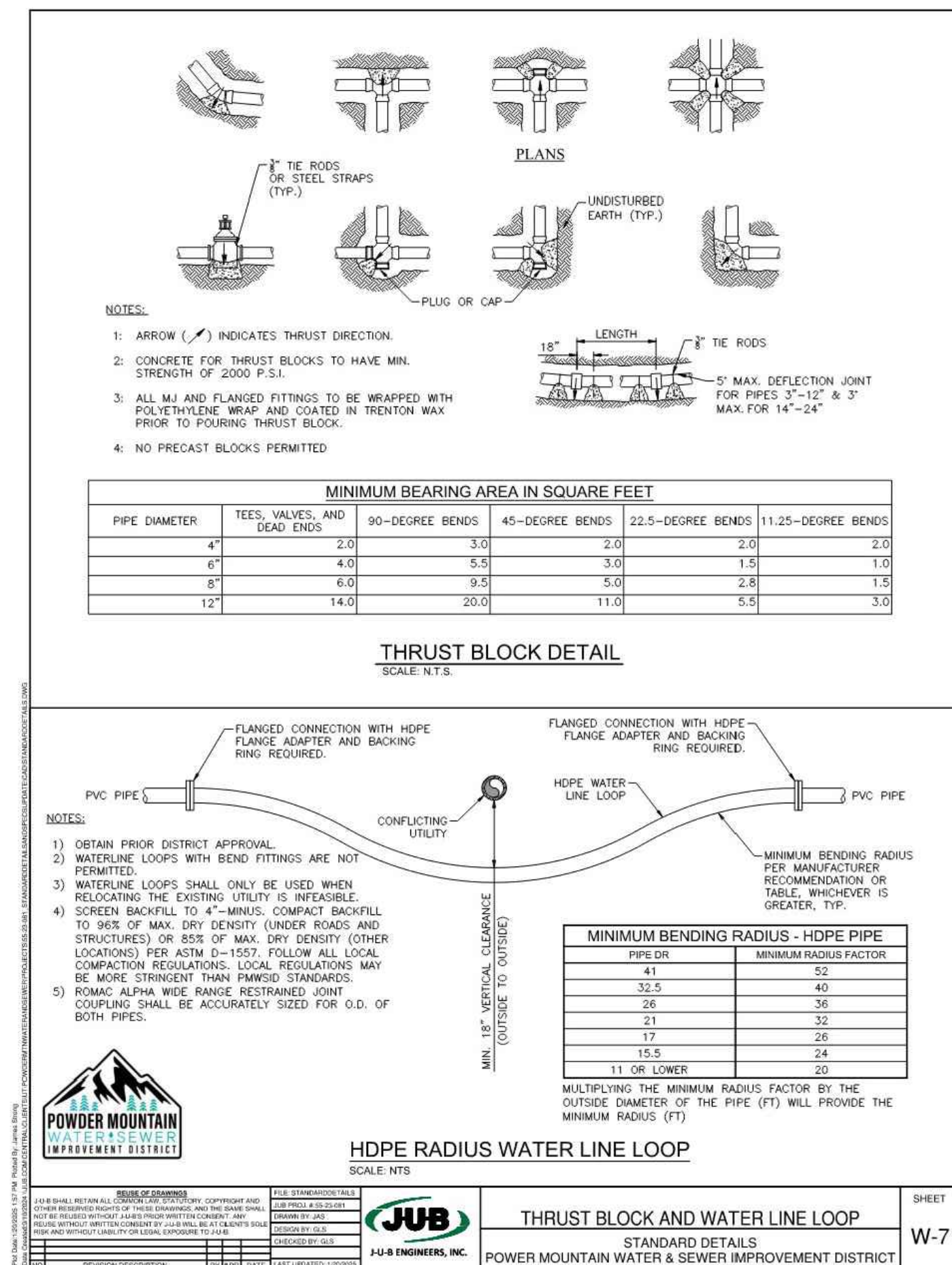
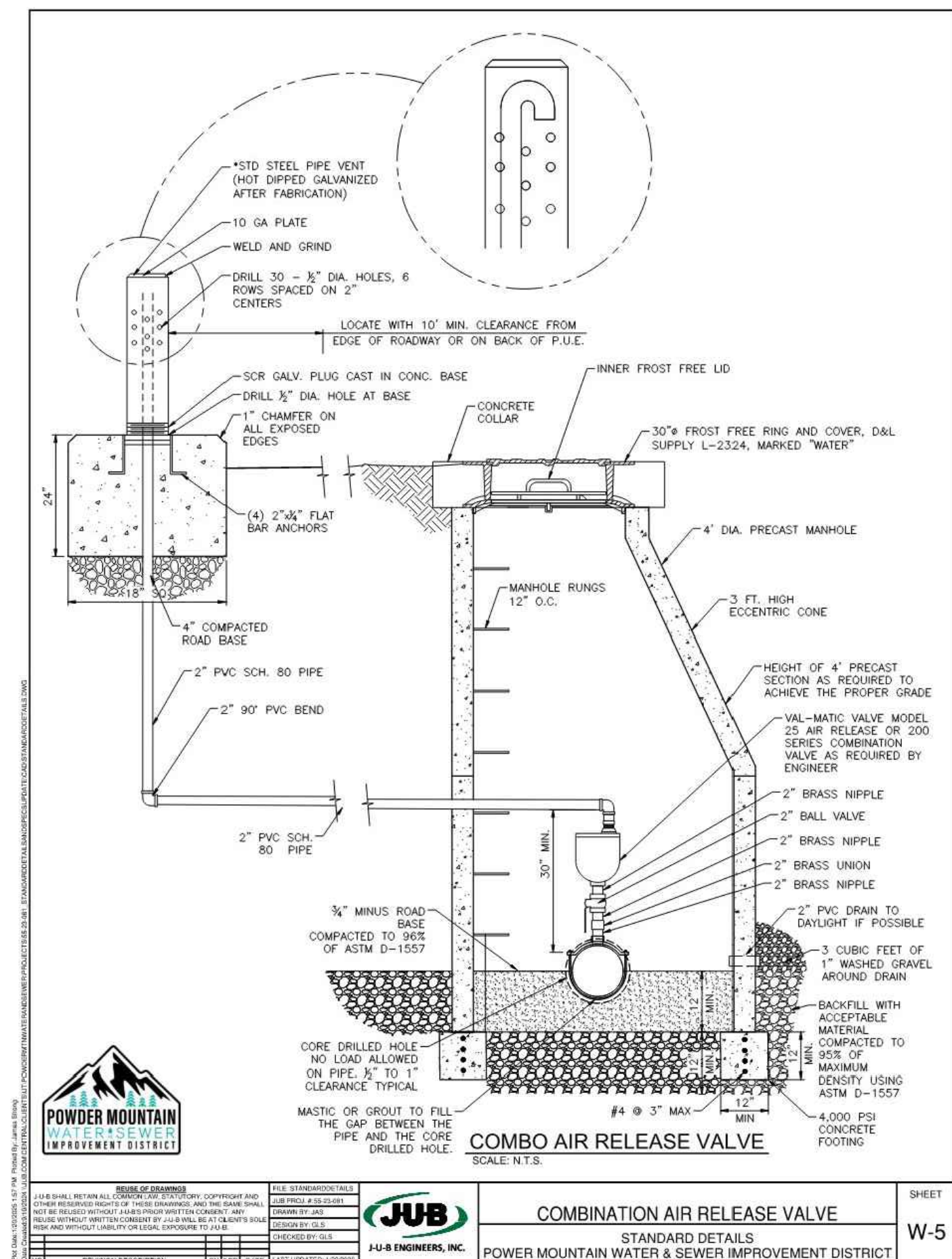
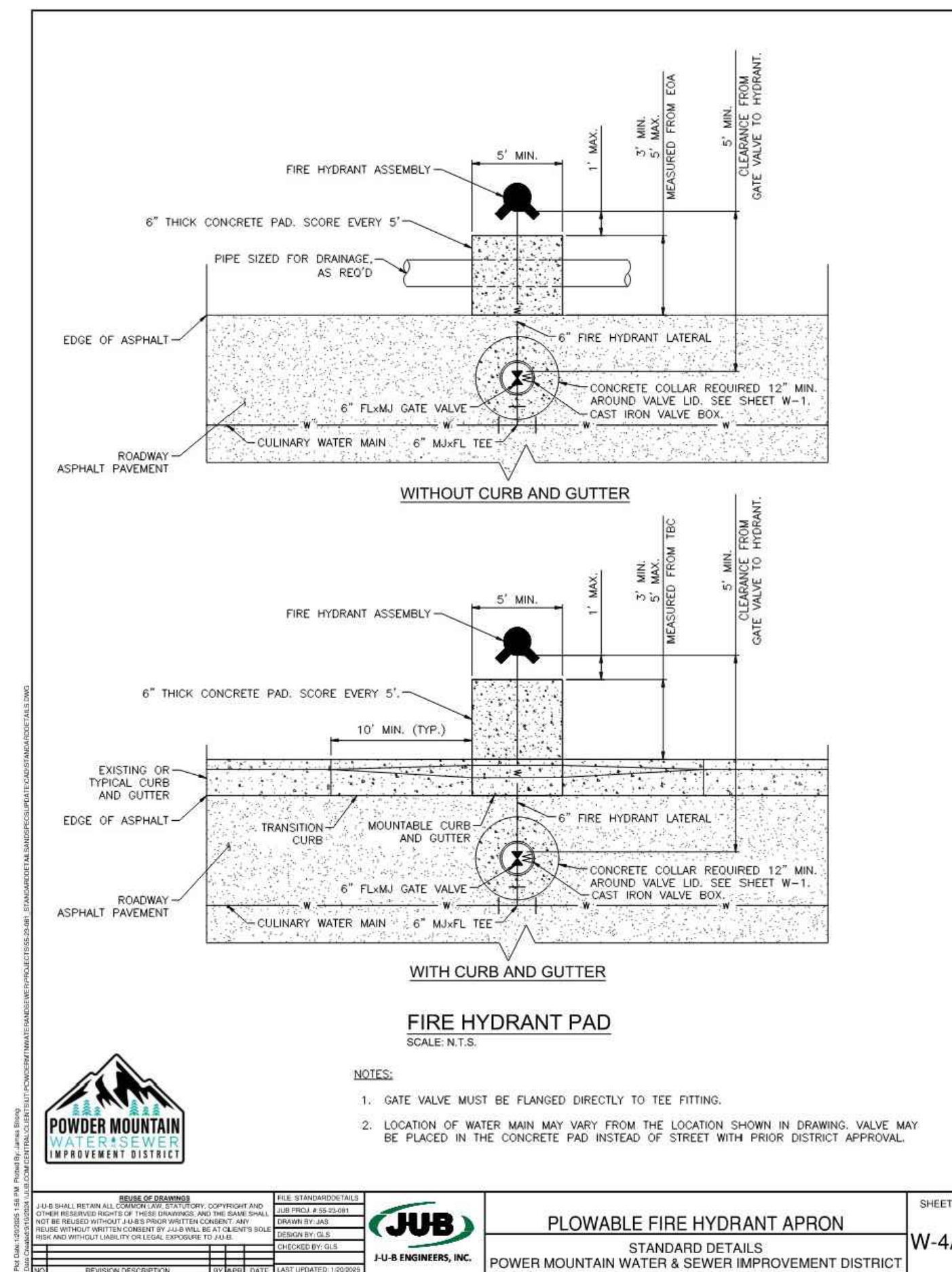
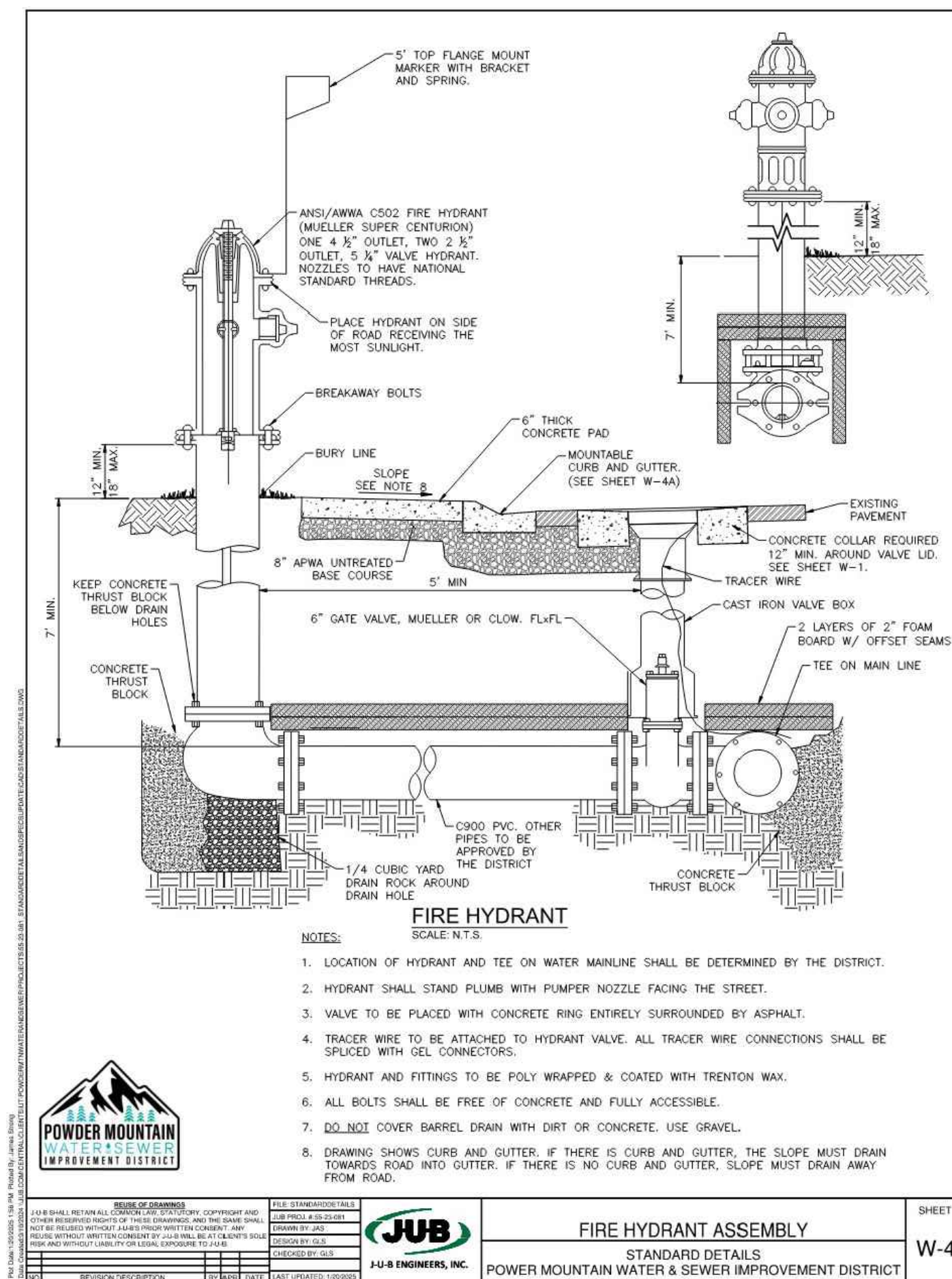
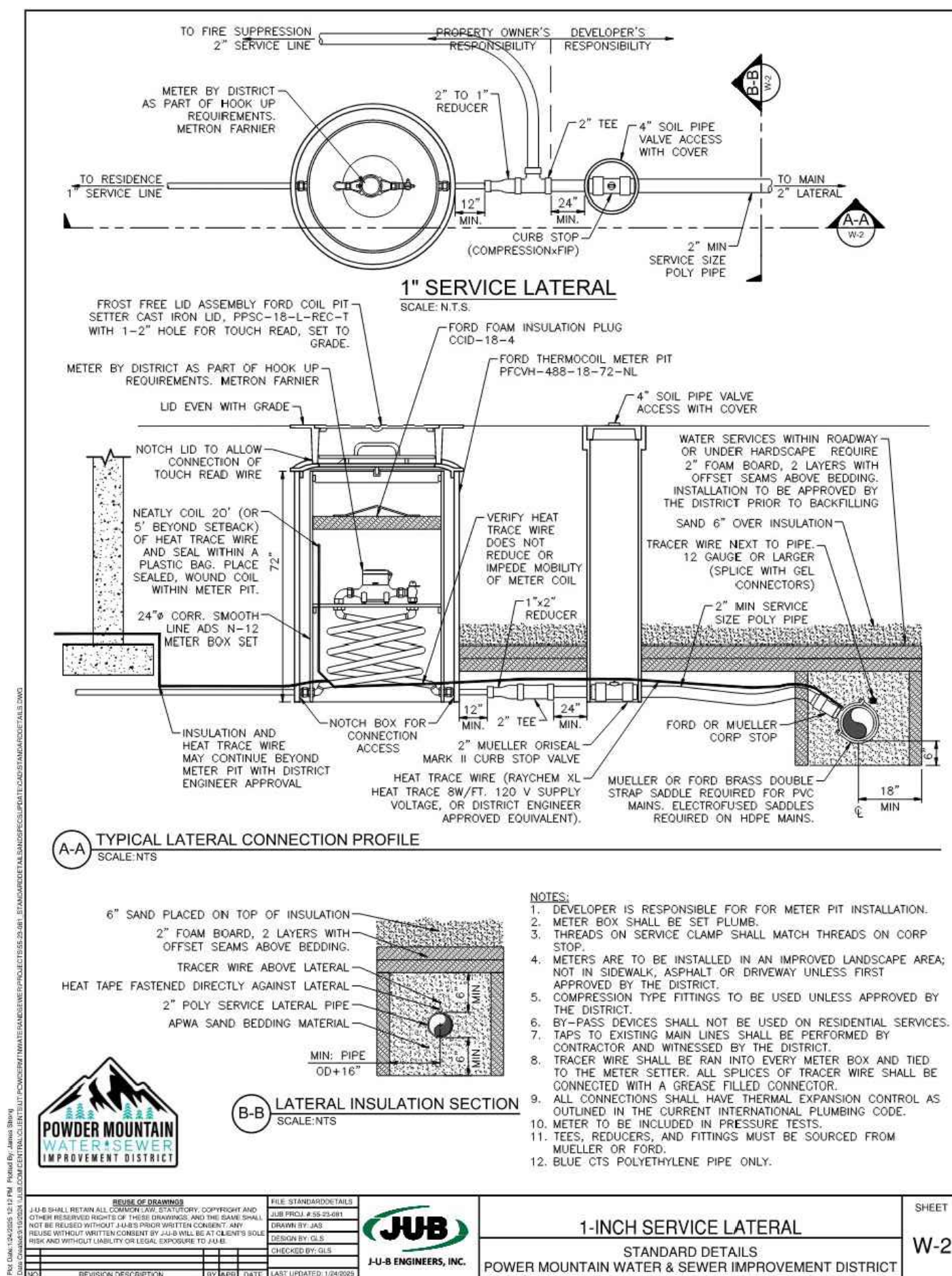
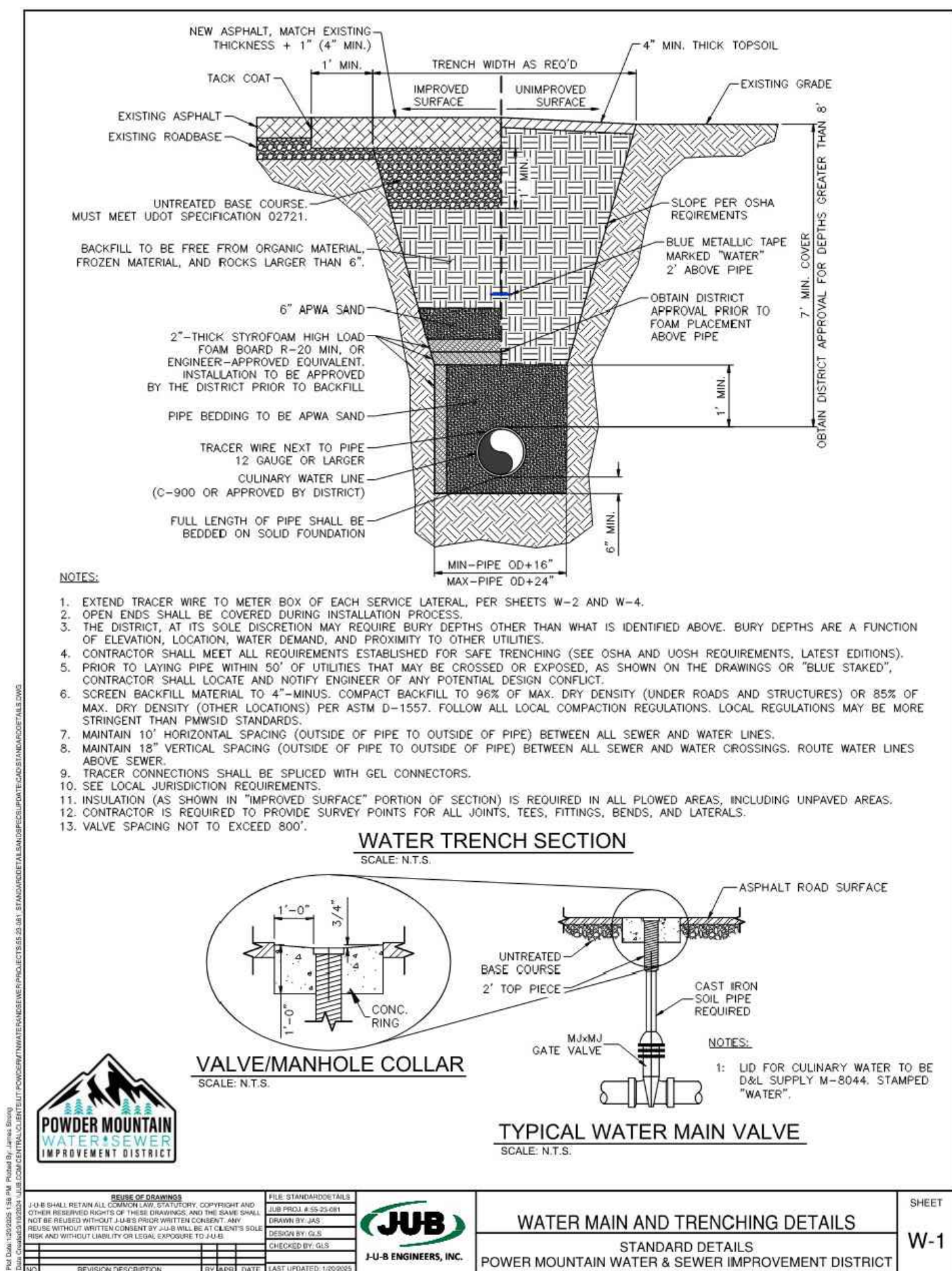


SHEET NUMBER

C801

38 OF 46





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

[illegible]

DATE: 10 22 2025

POWDER MOUNTAIN

PRADO PHASE 1

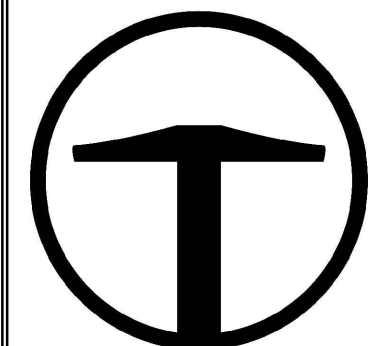
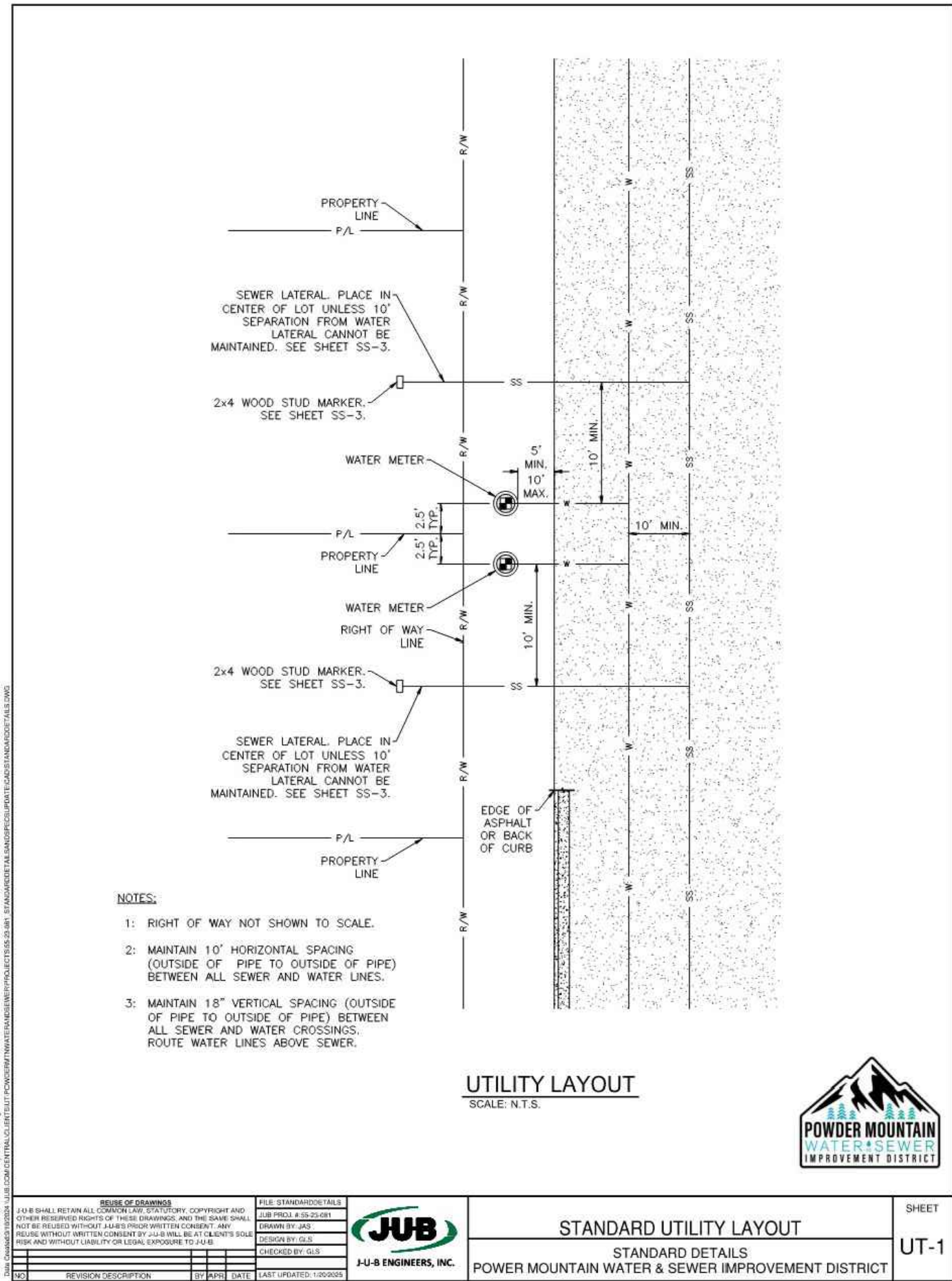
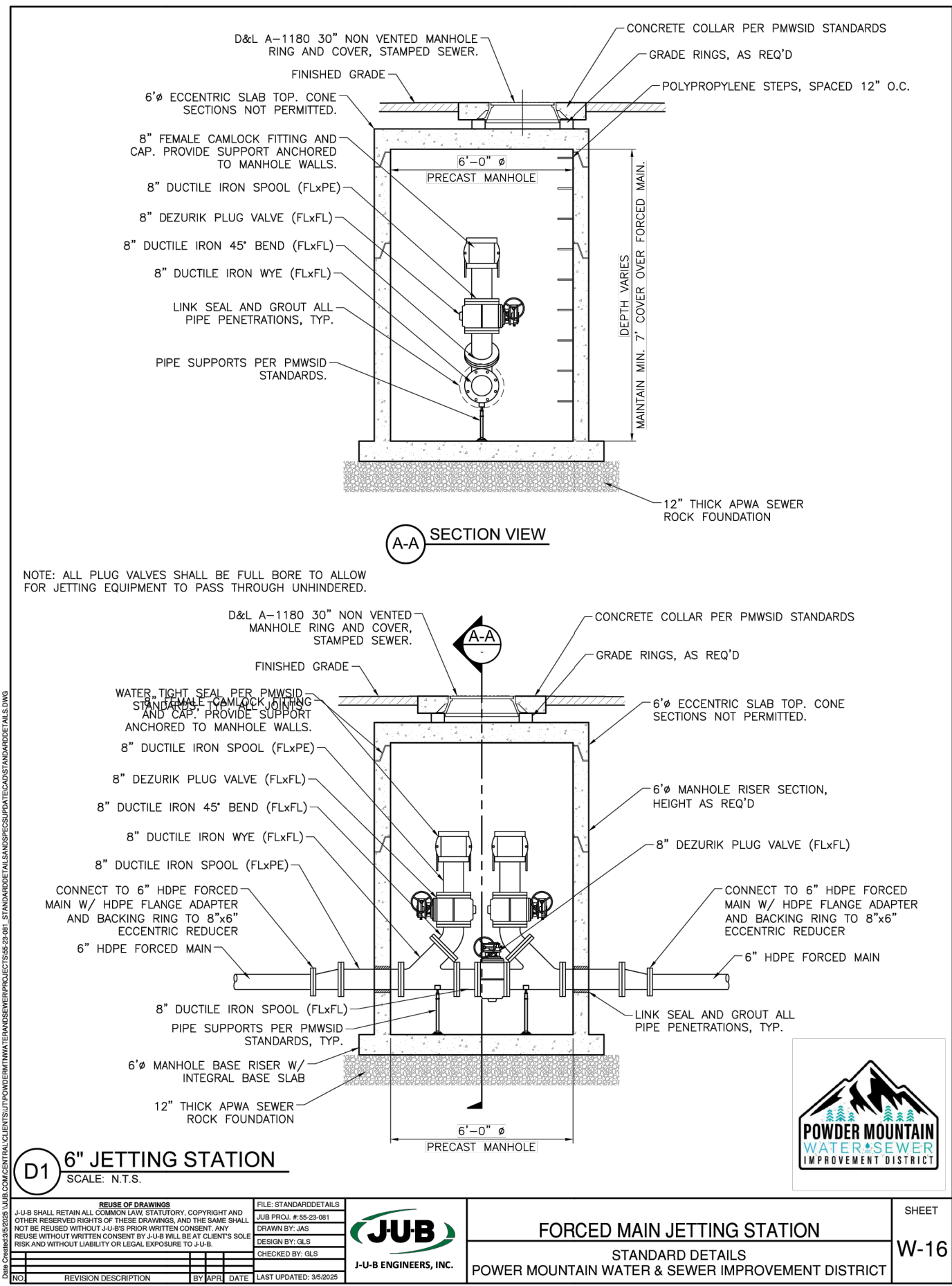
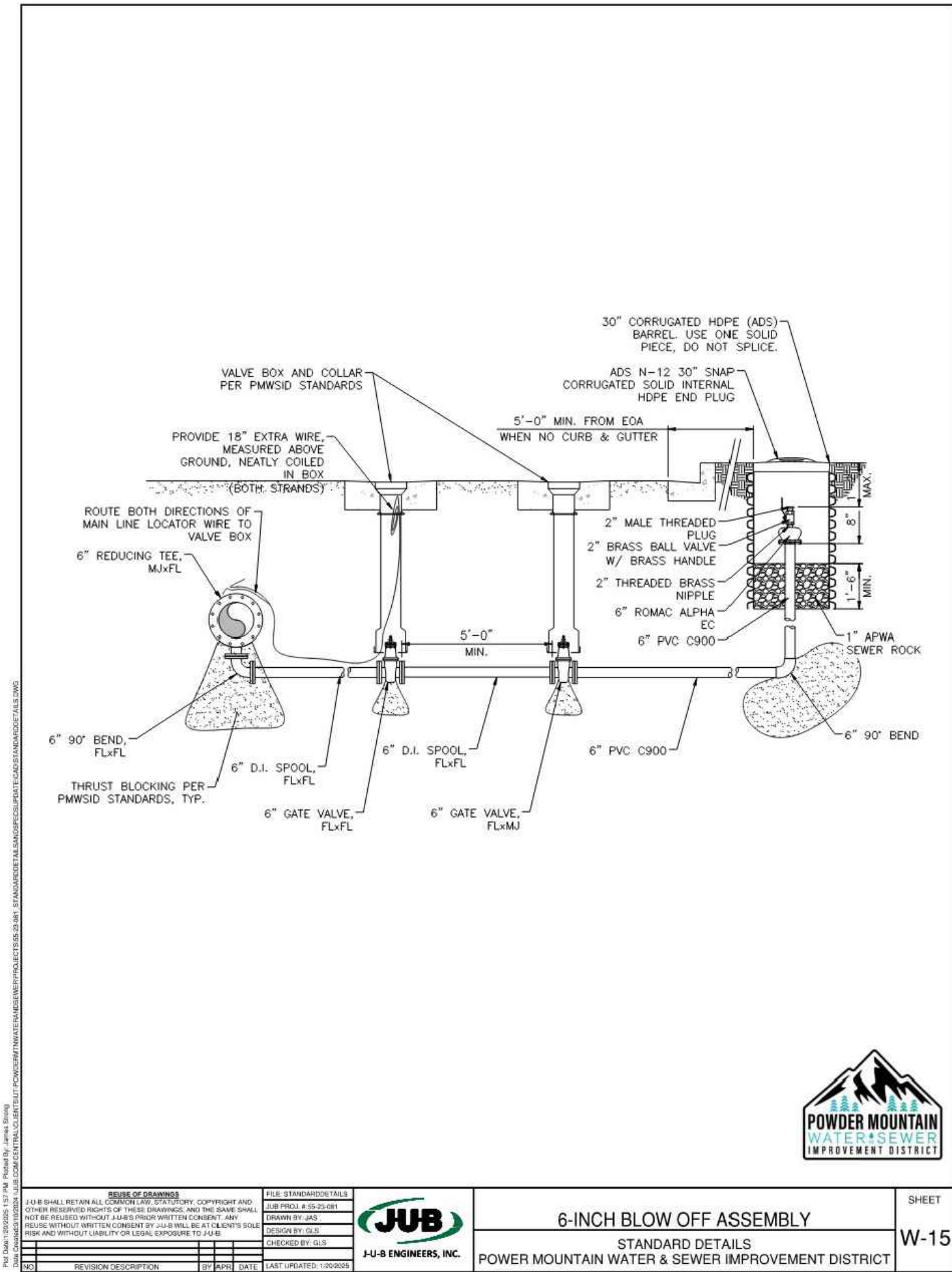
DETAILS

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C900





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

POWDER MOUNTAIN
PRADO PHASE 1
DETAILS

DATE: 10.22.2025

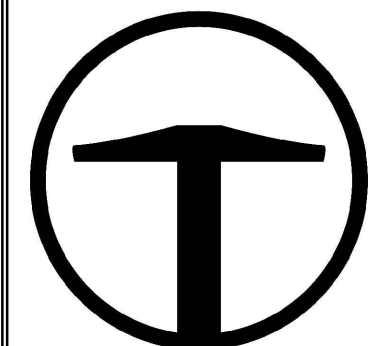
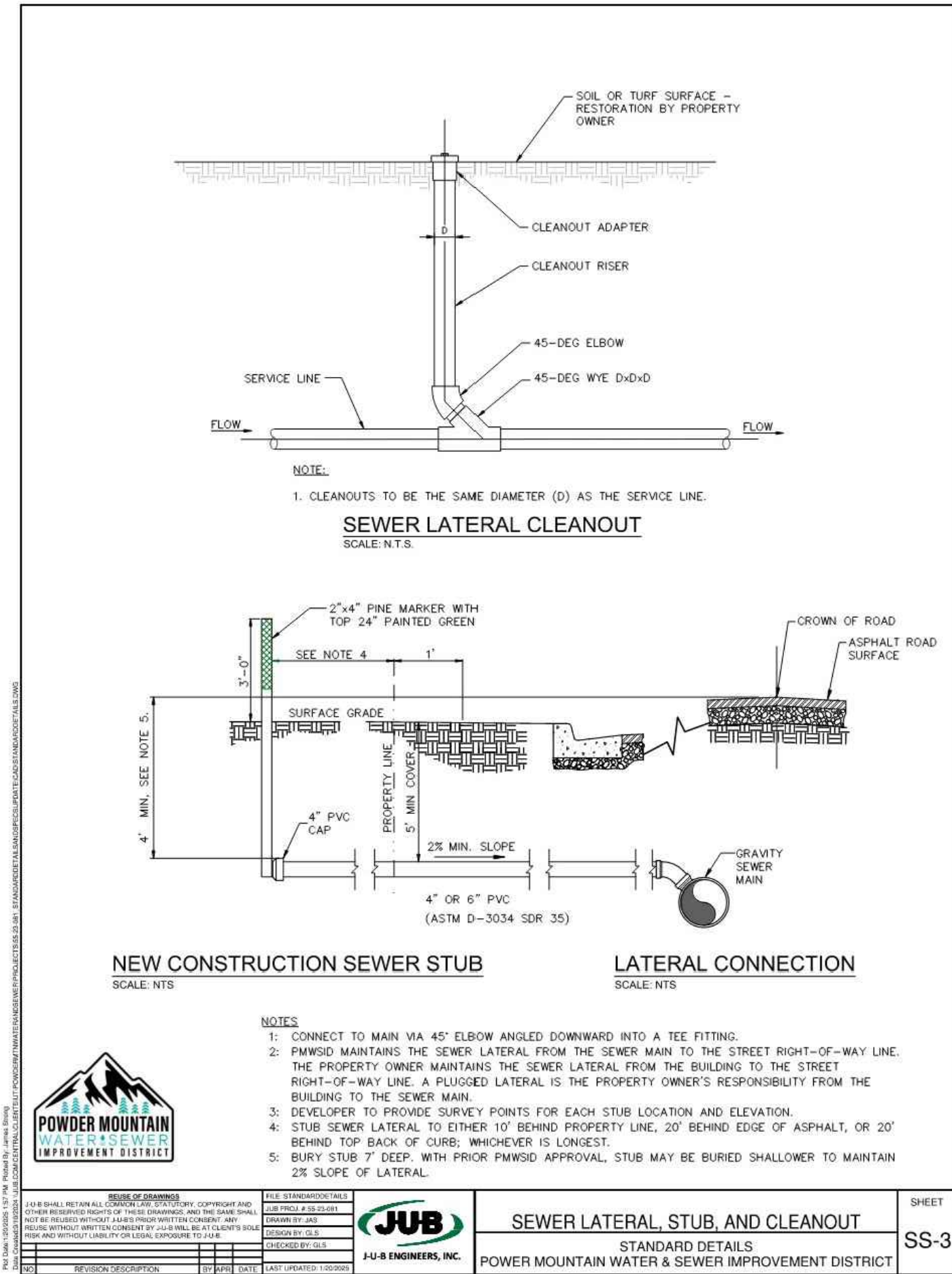
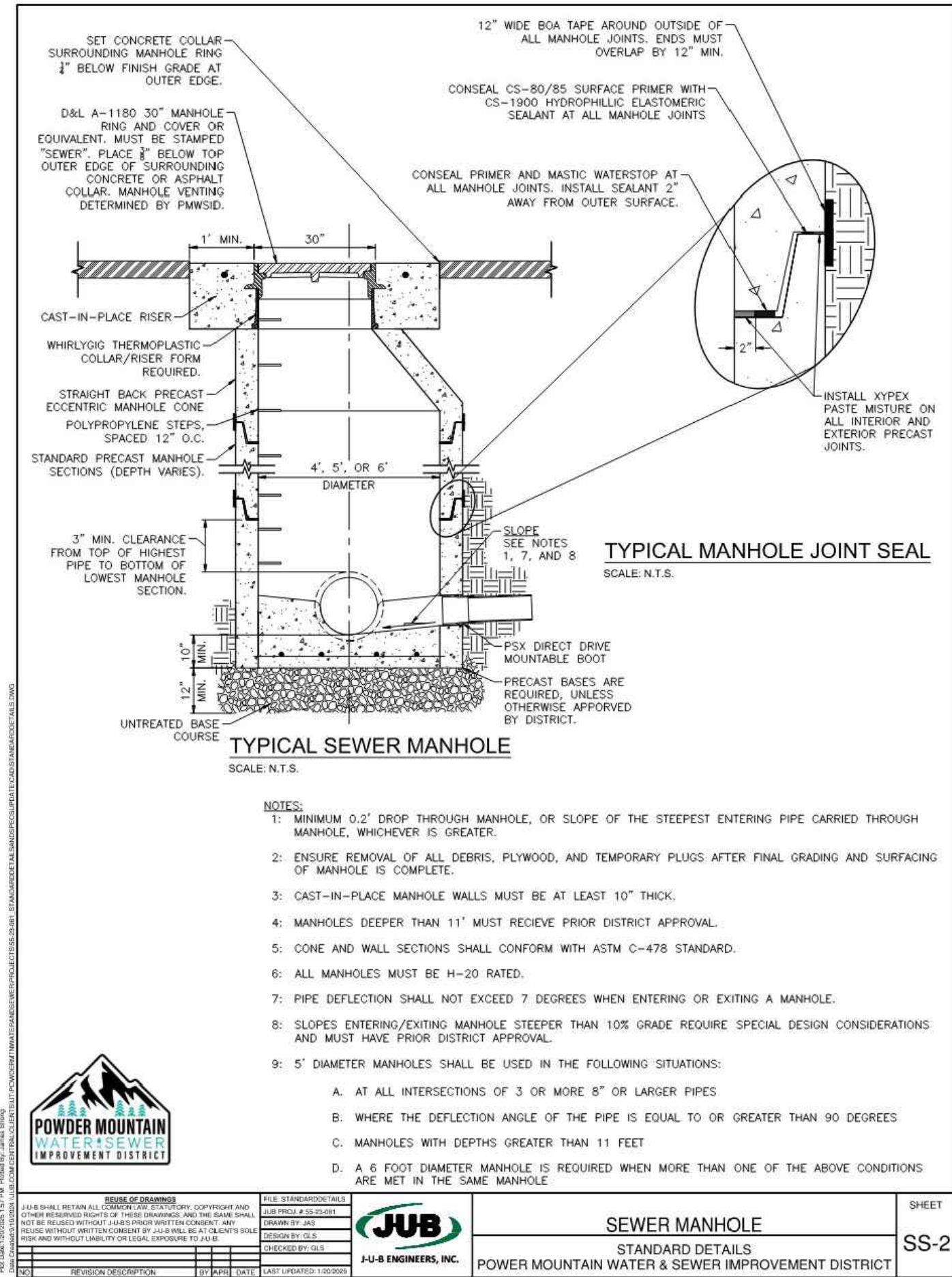
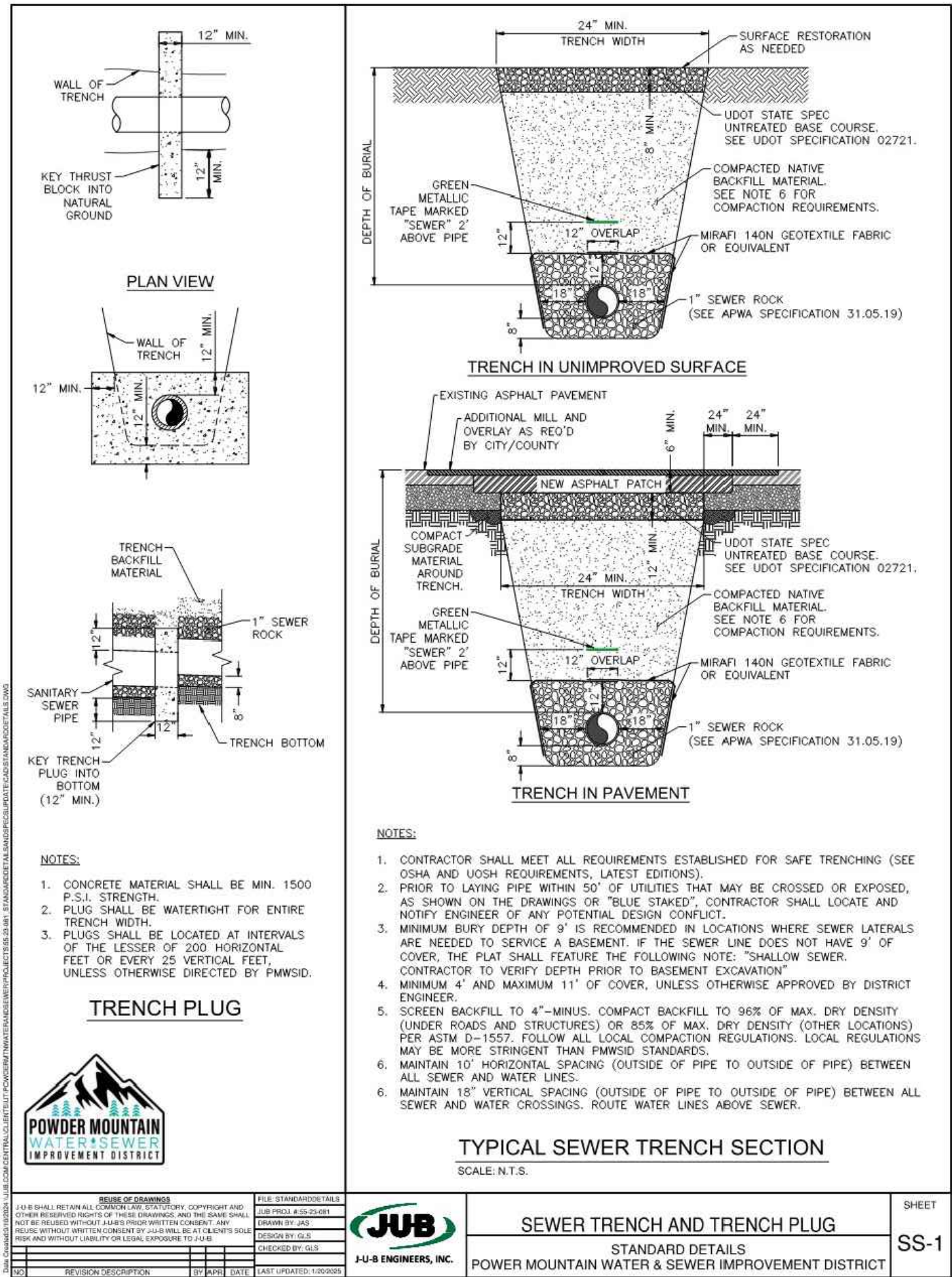
TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C901

40 OF 46





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

POWDER MOUNTAIN
PRADO PHASE 1
DETAILS

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C902

41 OF 46



DATE: 10/22/2025 4:01 PM

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Diversion dike

1. GENERAL
A. Description: A temporary ridge of compacted soil located at the top or base of a sloping disturbed area.
B. Purpose: To intercept up gradient runoff and convey around construction site and to divert sediment laden runoff.
2. PRODUCT (Not used)
3. EXECUTION
A. Construct.
1) Along midpoint of construction slope to intercept runoff and channel to controlled discharge point.
2) Around base of soil stockpiles to capture sediment.
3) Around perimeter of disturbed areas to capture sediment.
B. Locate the dike to minimize damages by construction operations and traffic.
C. Clear and grub area for dike construction. Build the dike before construction begins.
D. Excavate channel and place soil on down gradient side.
E. Shape and machine compact excavated soil to form ridge.
F. Place erosion protection (rip rap, mulch) at outlet. Stabilize channel and ridge as required with mulch, gravel or vegetative cover. Temporary or permanent seeding and mulch shall be applied to the dike within 15 days of construction.
G. Maintenance.
1) Inspect immediately after each rainfall and at least daily during prolonged rainfall.
2) Look for runoff breaching dike or eroding channel or side slopes.
3) Check discharge point for erosion or bypassing of flows.
4) Repair and stabilize as necessary.
5) Inspect daily during vehicular activity on slope, check for and repair any traffic damage.

Inlet protection – gravel sock

1. GENERAL
A. Description. Placement of gravel sock on grade.
1) Upstream of, or in front of storm drain inlets to filter or pond water runoff.
2) At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. PRODUCTS (Not used)
3. EXECUTION
A. On-grade inlet protection:
1) Provide on-grade inlet protection when completely blocking a storm drain inlet box would result in forcing water further downstream would cause flooding or other undesirable results.
2) Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
3) Install filter media just upstream of the inlet box.
4) Filter media shall butt tightly against the face of the curb and angle at approximately a 45-degree angle away from the curb to trap runoff between the media and the curb.
5) Excessive flows will flow either over or around the filter media and into the inlet box.
6) Expect ponding behind the filter media.
B. Drop inlet protection:
1) Use drop inlet protection at low points in the curb and when diverting flows further downstream will not cause undesirable results.
2) Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
3) Install filter media around the entire perimeter of the inlet grate.
4) Filter media shall butt tightly against the face of the curb on both sides of the inlet grate.
5) Excessive flows will either flow around the media or over the top and into the inlet box.
6) Expect ponding around the inlet box.
C. Maintenance
1) Inspect inlet protection after every large storm event and at a minimum of once monthly.
2) Remove sediment accumulated when it reaches 2-inches in depth.
3) Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

Inlet protection – fence or straw bale

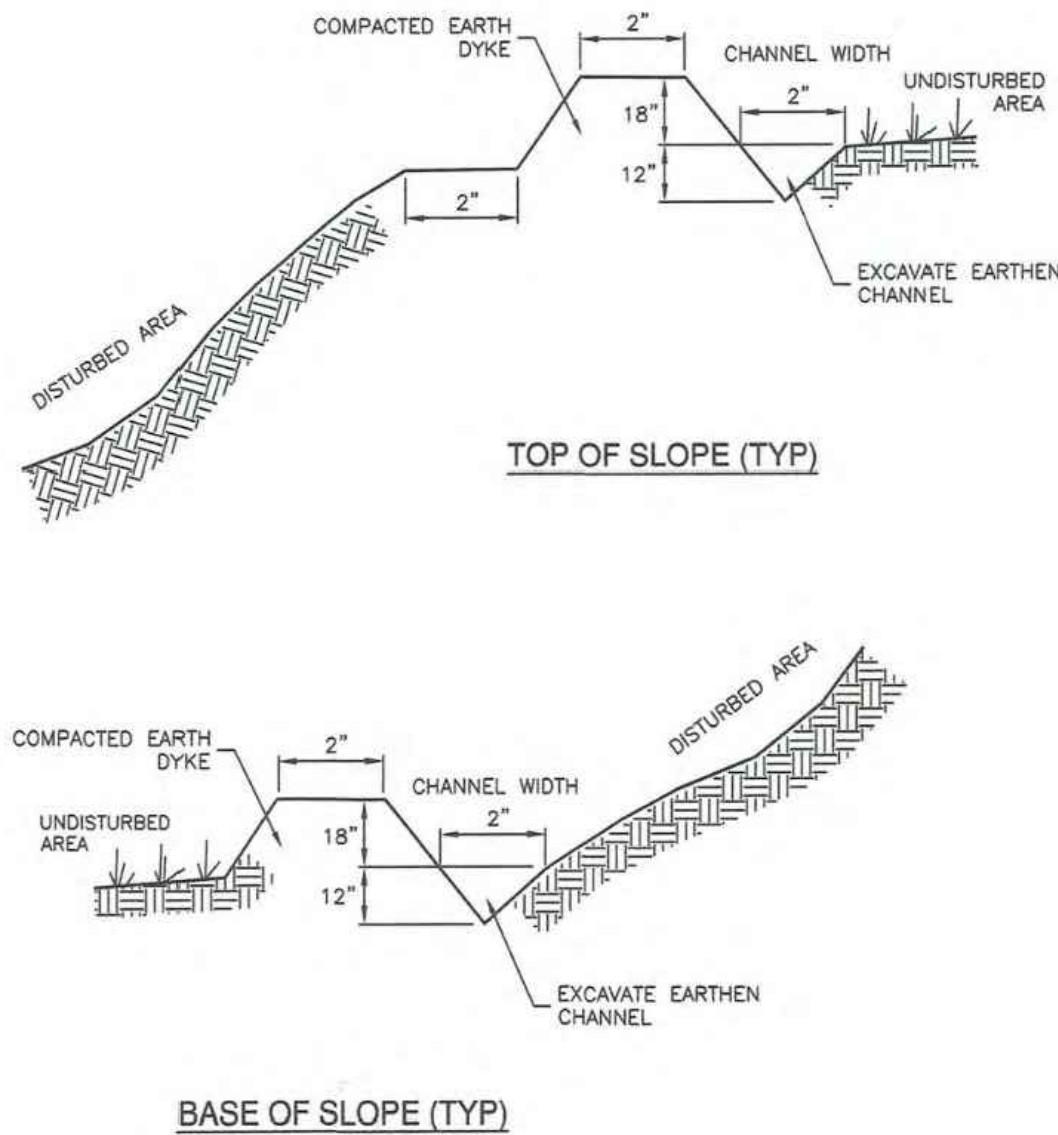
1. GENERAL
A. Description. A temporary sediment barrier around storm drain inlet.
B. Application. At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. PRODUCT (Not used)
3. EXECUTION
A. Installation and application criteria.
1) Provide up gradient 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.

Equipment and vehicle wash down area

1. GENERAL
A. Description. A temporary stabilized pad of gravel for general washing of equipment and construction vehicles.
B. Application.
1) At any site where regular washing of vehicles and equipment will occur.
2) May also be used as a filling point for water trucks limiting erosion caused by overflow or spillage of water.
2. PRODUCT (Not used)
3. EXECUTION
A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
B. Compact subgrade.
C. Place filter fabric under wash down area if desired (recommended for wash area that remains more than 3 months).
D. Install silt fence down gradient (see Plan 122).
E. Maintenance.
1) Requires periodic top dressing with additional stones.
2) Solely used to control sediment in wash water. Cannot be utilized for washing equipment or vehicles that may cause contamination of runoff (such as fertilizer equipment or concrete equipment).
3) Keep the wash area in a condition which will prevent tracking or flow of mud onto public rights-of-way.
4) Periodically dress the top with 2-inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
5) Inspect daily for loss of gravel or sediment buildup.
6) Inspect adjacent area for sediment deposit and install additional controls as necessary.
7) Expand stabilized area as required to accommodate activities.
8) Maintain silt fence as outlined in Plan 122.

123

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.

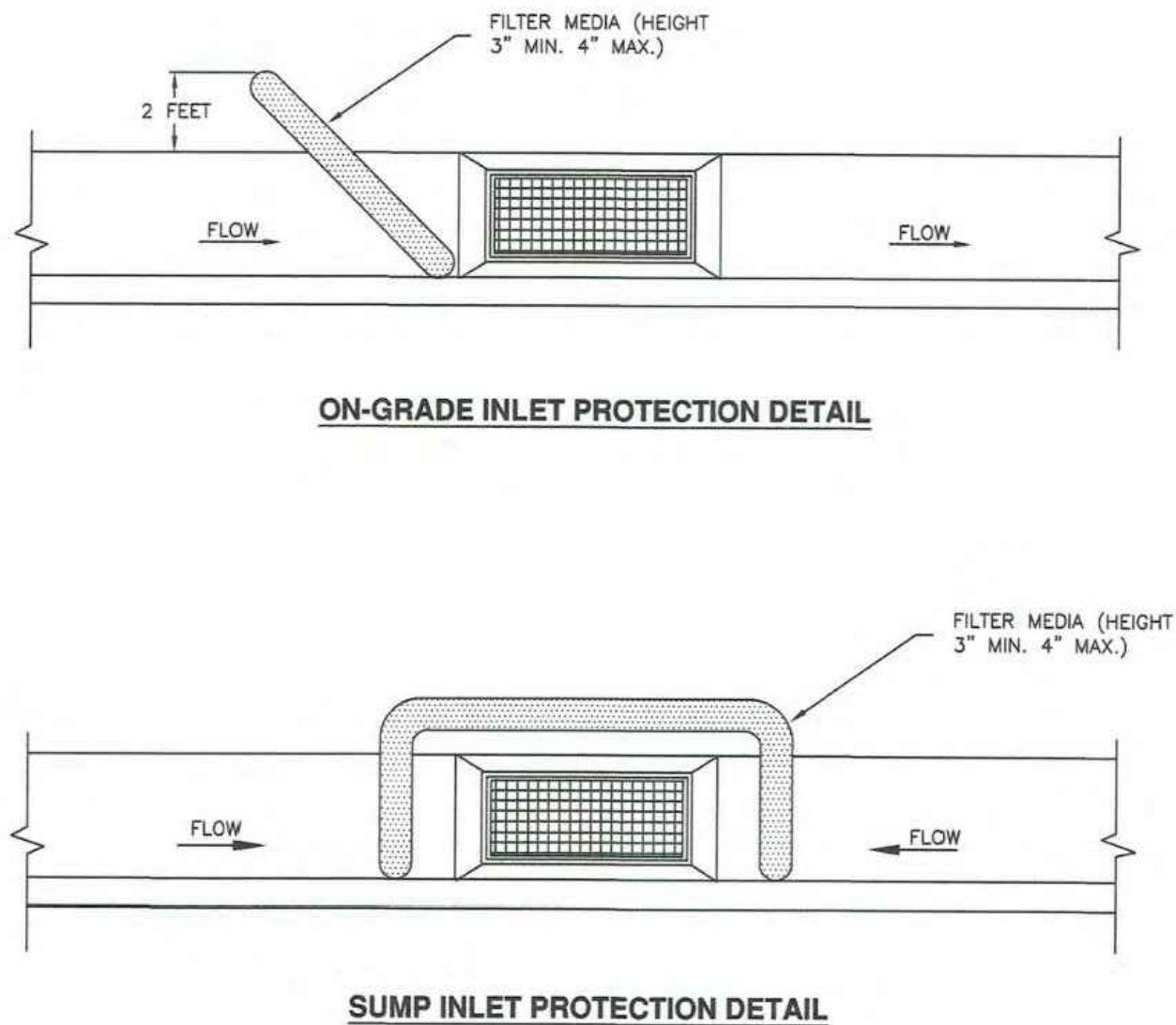


Diversion dike

Plan 123
February 2006

124.1

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.

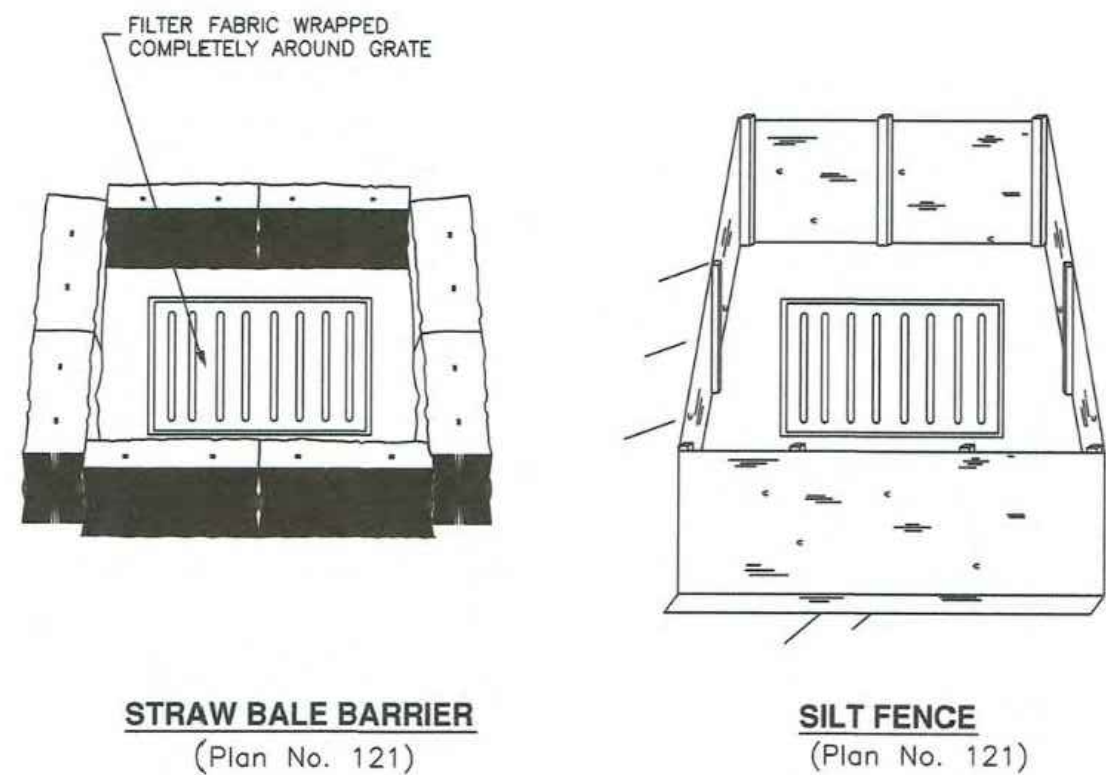


Inlet protection - gravel sock

Plan 124.1
September 2006

124.3

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.

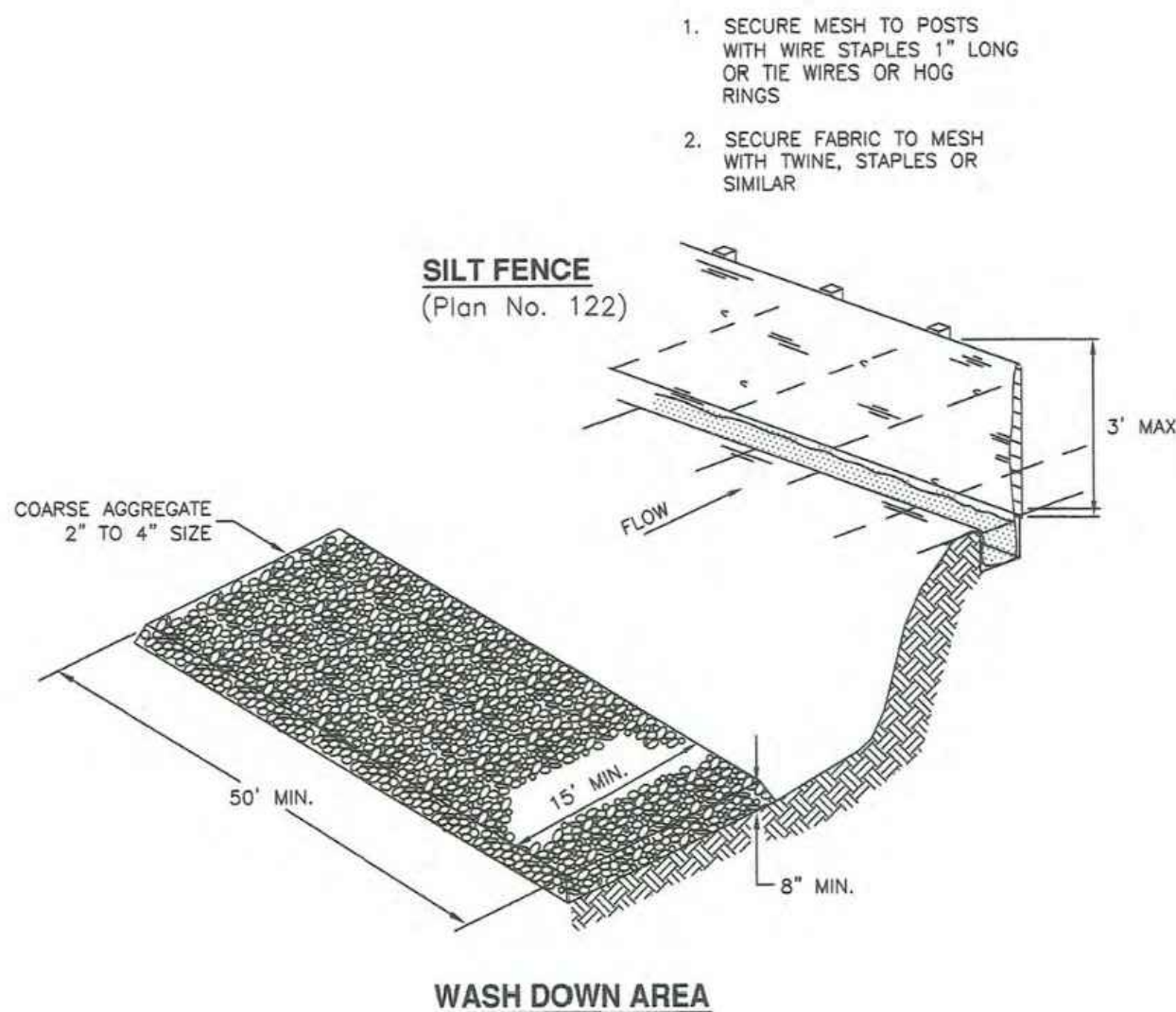


Inlet protection - fence or straw bale

Plan 124.3
February 2006

125

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.



Equipment and vehicle wash down area

Plan 125
February 2006



POWDER MOUNTAIN
PRADO PHASE 1
DETAILS

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C903

42 OF 46

Stabilized roadway entrance

1. **GENERAL**
 - A. Description: A temporary stabilized pad of gravel for controlling equipment and construction vehicle access to the site.
 - B. Application: At any site where vehicles and equipment enter the public right of way.
2. **PRODUCT** (Not used)
3. **EXECUTION**
 - A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
 - B. Compact subgrade.
 - C. Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months).
 - D. Maintenance:
 - 1) Prevent tracking or flow of mud into the public right-of-way.
 - 2) Periodic top dressing with 2-inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
 - 3) Inspect daily for loss of gravel or sediment buildup.
 - 4) Inspect adjacent area for sediment deposit and install additional controls as necessary.
 - 5) Expand stabilized area as required to accommodate activities.

Curb and gutter

1. **GENERAL**
 - A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.
 - B. Additional requirements are specified in APWA Section 32 16 13.
2. **PRODUCTS**
 - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.
 - C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.
 - D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
3. **EXECUTION**
 - A. Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flow-line grade is 0.5 percent (s=0.005) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
 - B. Concrete Placement: APWA Section 03 30 10.
 - 1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.
 - 2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.
 - 3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
 - C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

Curb and gutter connection

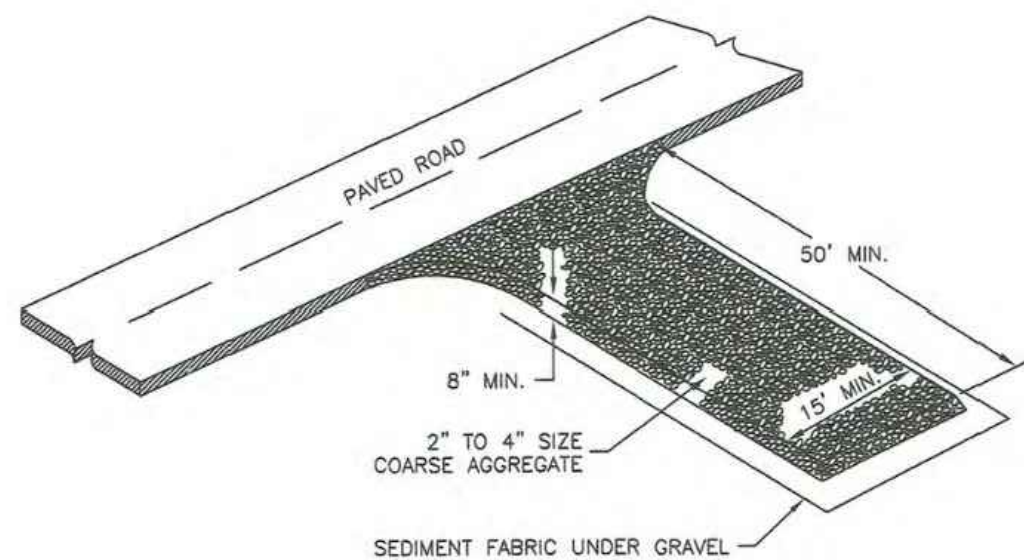
1. **GENERAL**
 - A. Connect new curb and gutter to existing curb and gutter that has not been placed by CONTRACTOR.
2. **PRODUCTS**
 - A. Reinforcement: Galvanized or epoxy coated, 60 ksi yield grade steel, ASTM A615.
 - B. Adhesive: Epoxy adhesive grout, APWA Section 03 61 00.
 - C. Bond Breaker: Paraffin wax, lithium grease, or other semi-solid, inert lubricant.
 - D. Expansion Cap: Plastic, with bar movement allowance of 1/2-inch.
3. **EXECUTION**
 - A. Ensure drill rigs (or jigs) are set at mid-depth of the gutter and horizontal to the surface. Make hole size large enough to account for dowel bar and adhesive.
 - B. Clean holes and dowel bars of dirt, dust and particles. Ensure coating on bars have no surface defects.
 - C. Place bonding agent in the back of each hole so adhesive flows out around each bar fully encasing it. DO NOT apply adhesive to end of the bar and then insert the bar into the hole.
 - D. Insert dowels with at least one full turning motion and if necessary, place a grout retention disk on the dowel after insertion to contain adhesive.
 - E. Apply complete coverage of bond-breaker on the protruding end of each dowel.
 - F. Install expansion caps on protruding dowel bar ends.

Pipe outfall

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

126

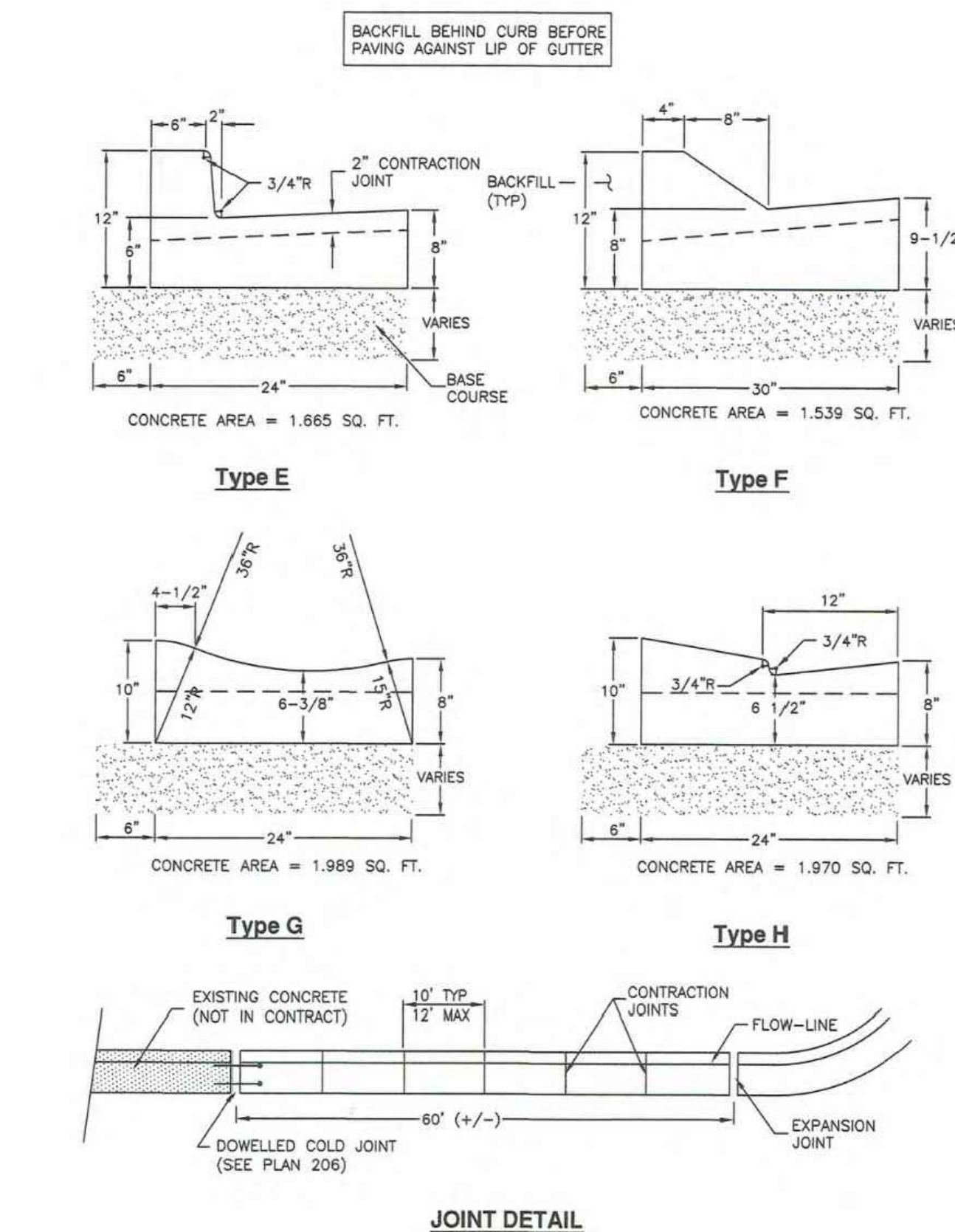
NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE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



Stabilized roadway entrance

Plan
126
February 2006

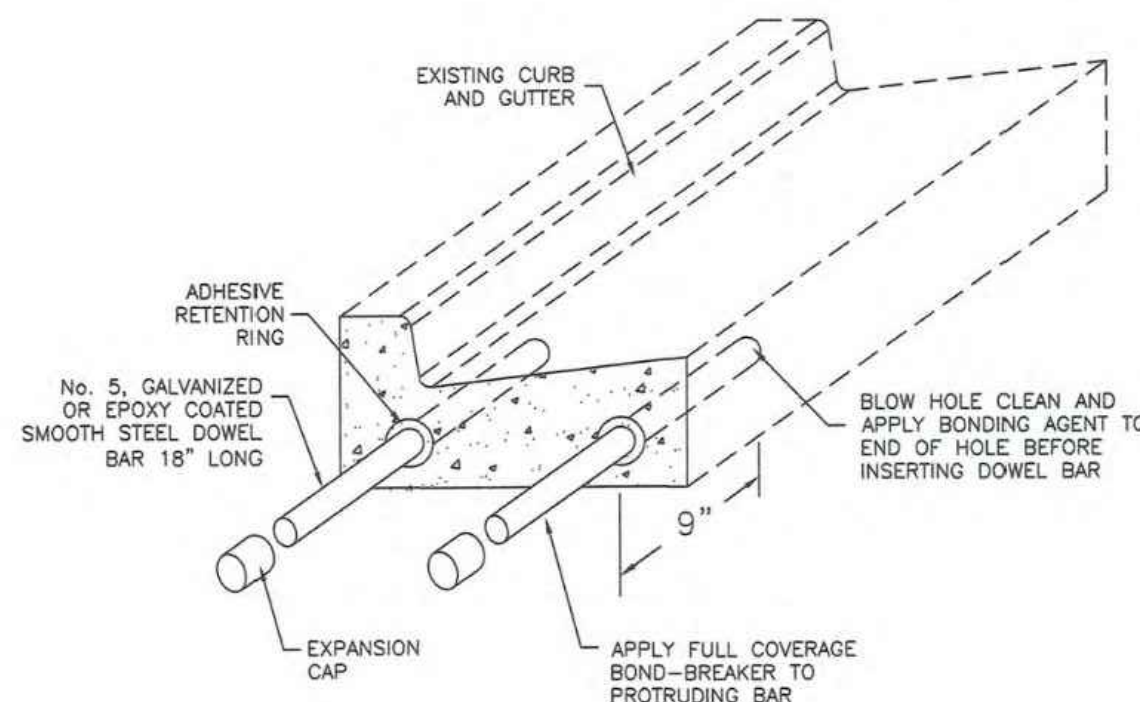
205.2



Curb and gutter

Plan
205.2
April 2011

206

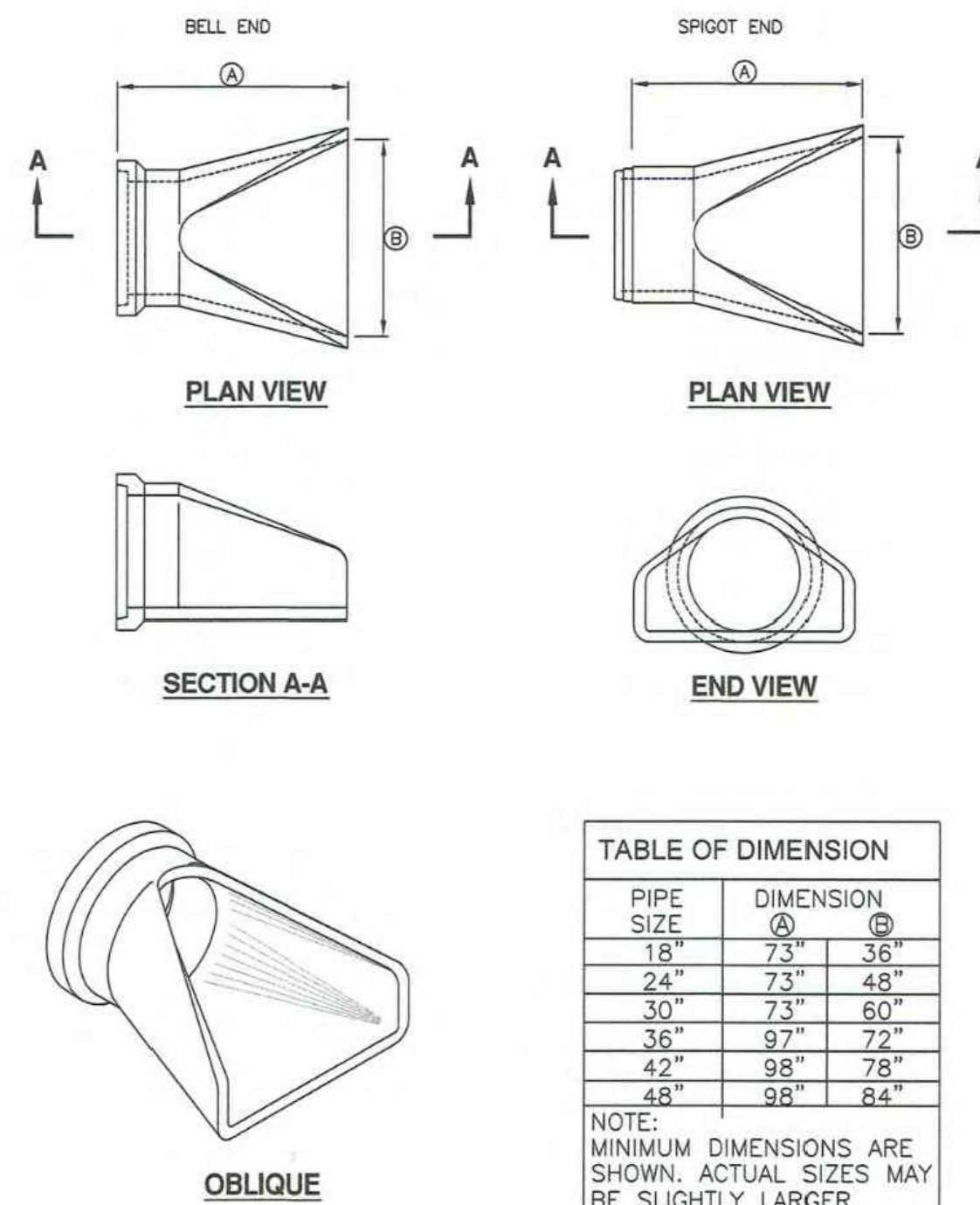


Curb and gutter connection

Plan
206
June 2009

323.1

ROUND WITH FLARE



Pipe outfall

Plan
323.1
November 2010



POWDER MOUNTAIN
PRADO PHASE 1
DETAILS

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

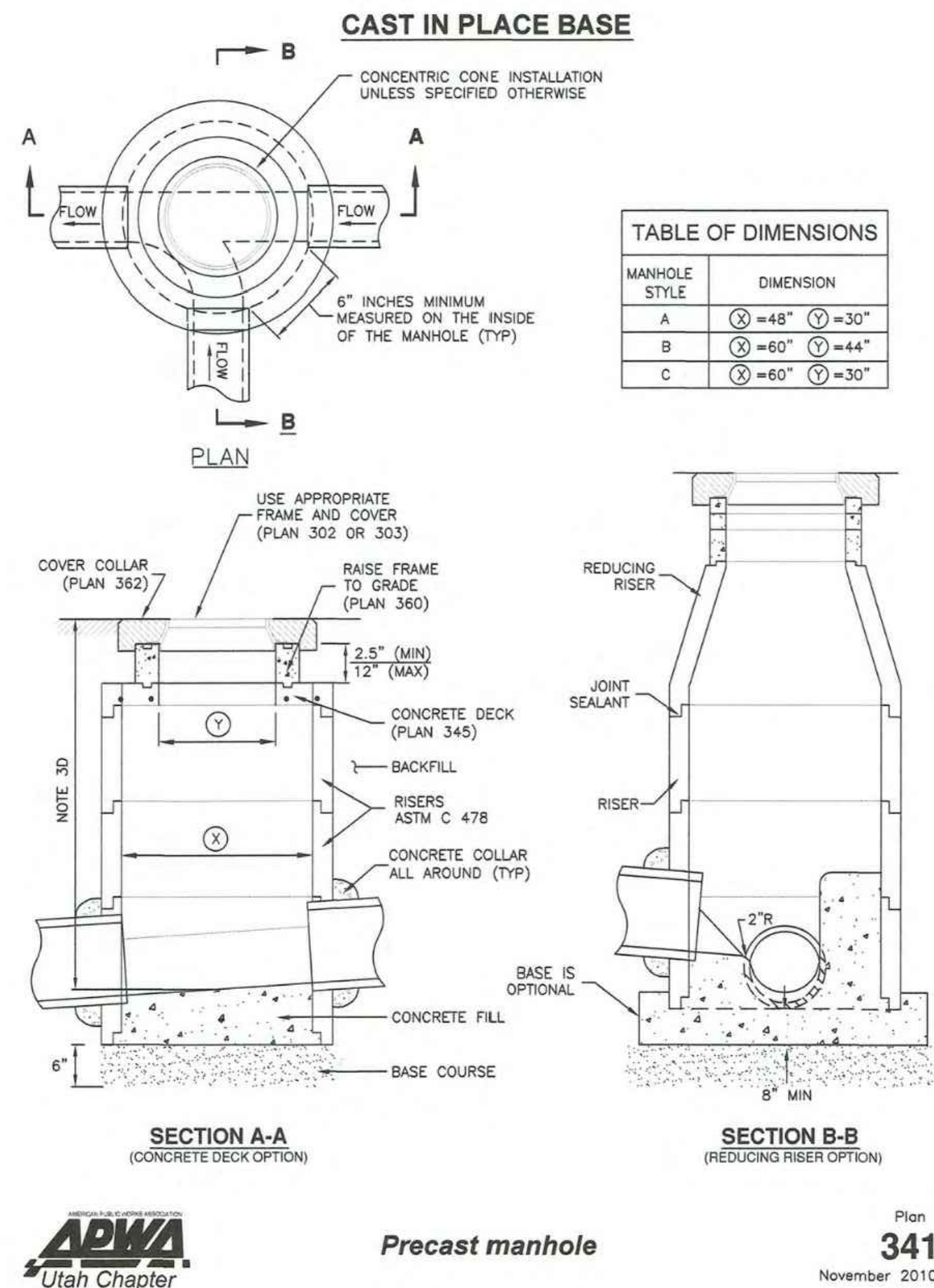
SHEET NUMBER

C904

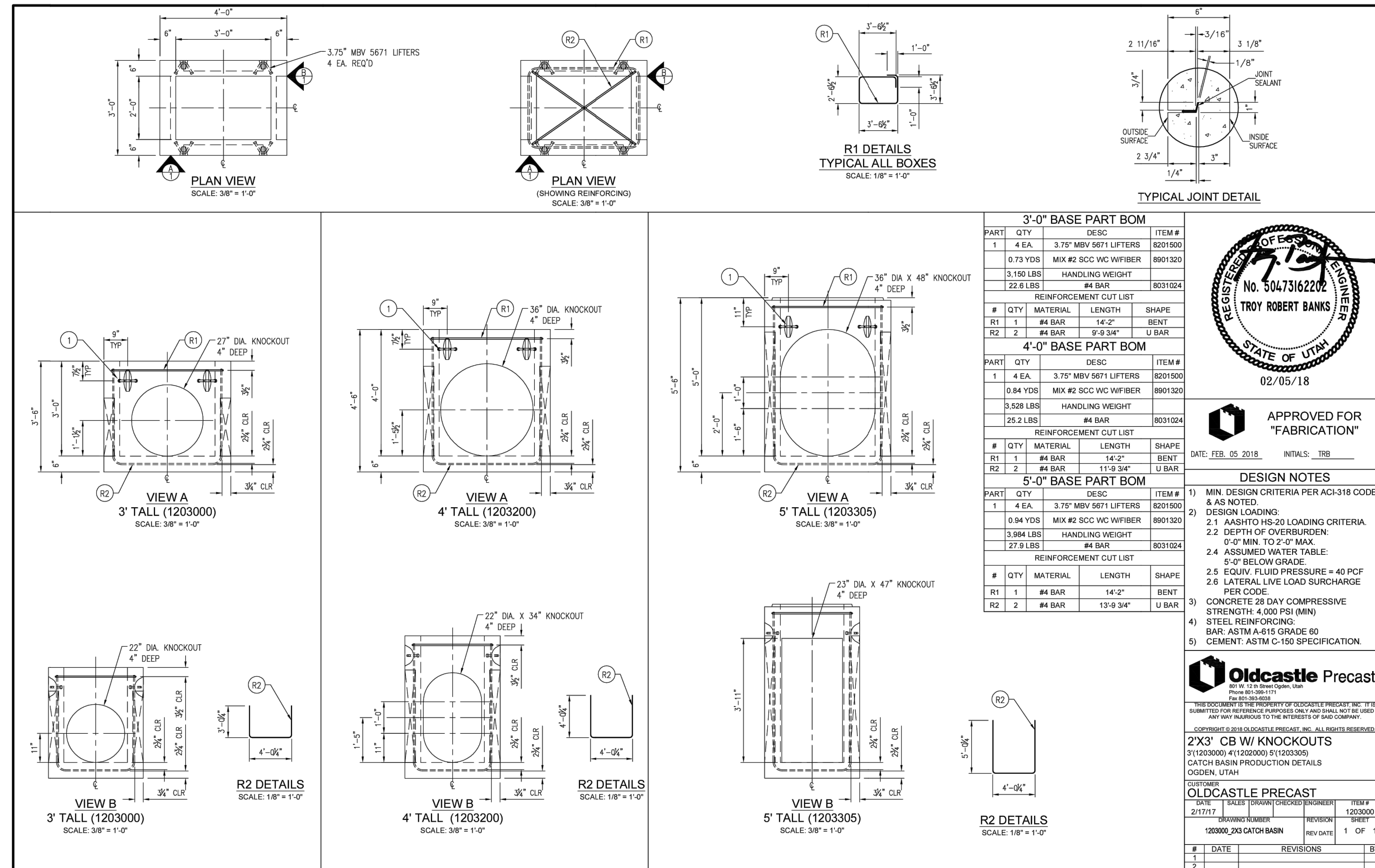
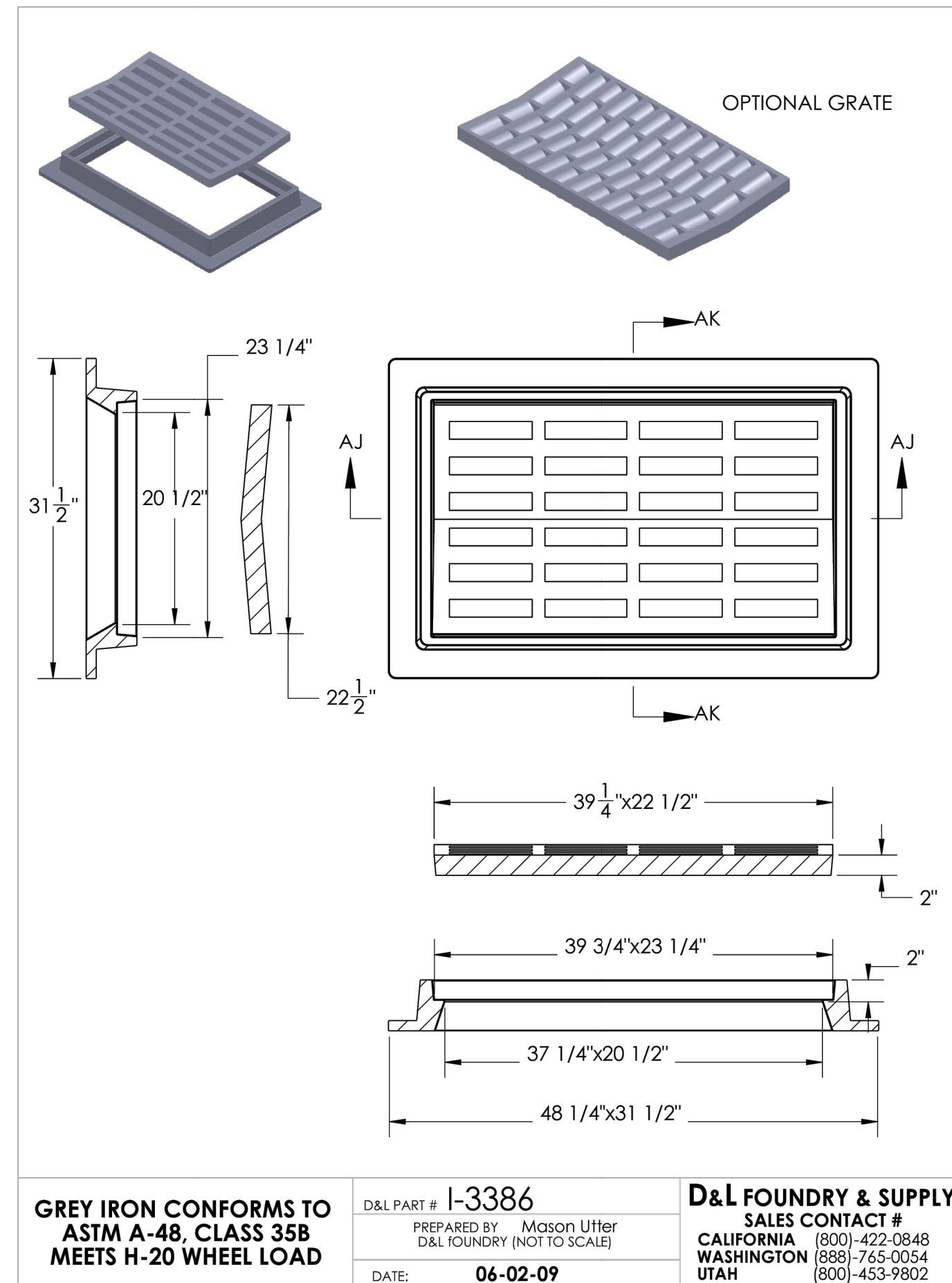
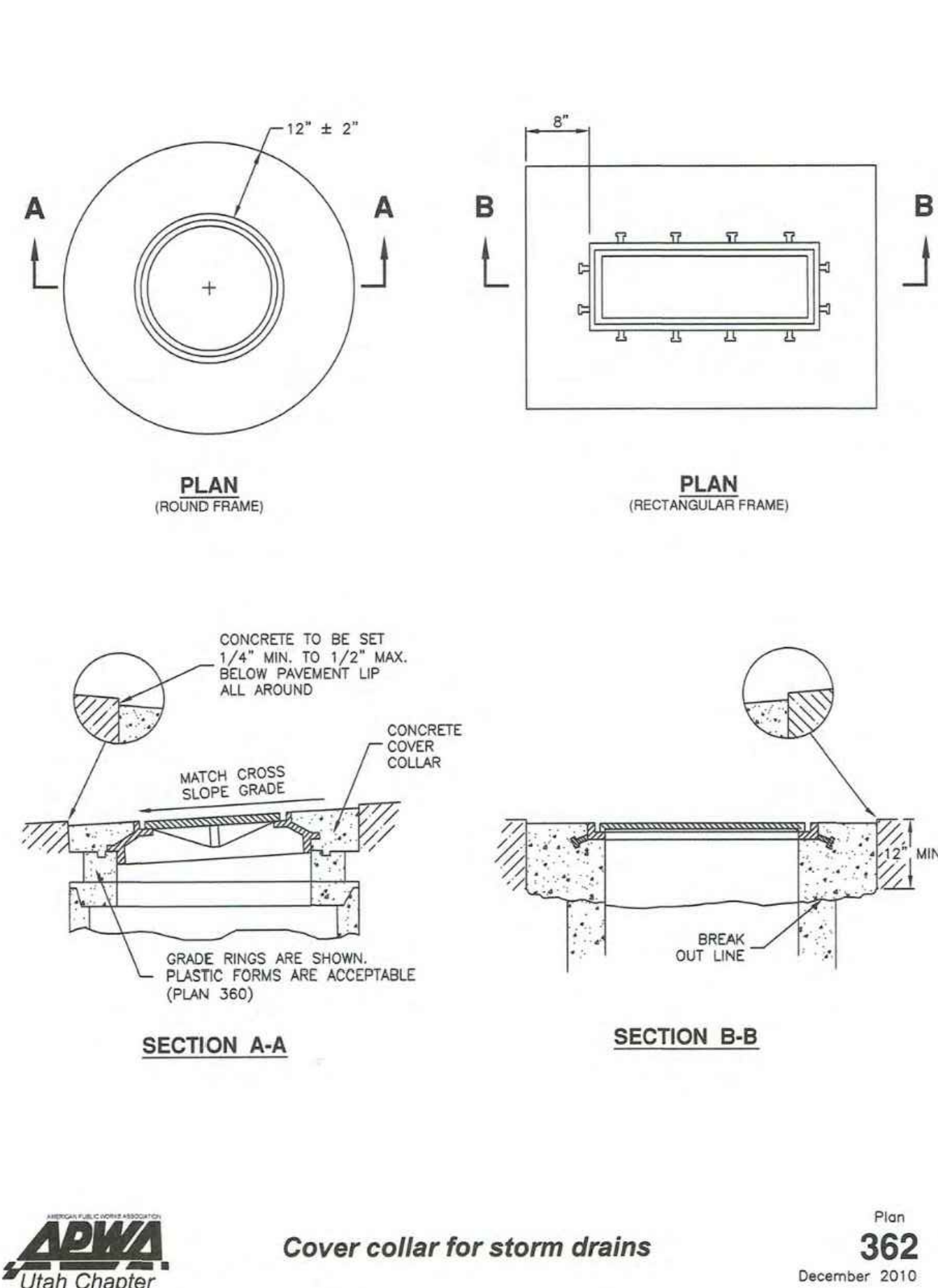
43 OF 46

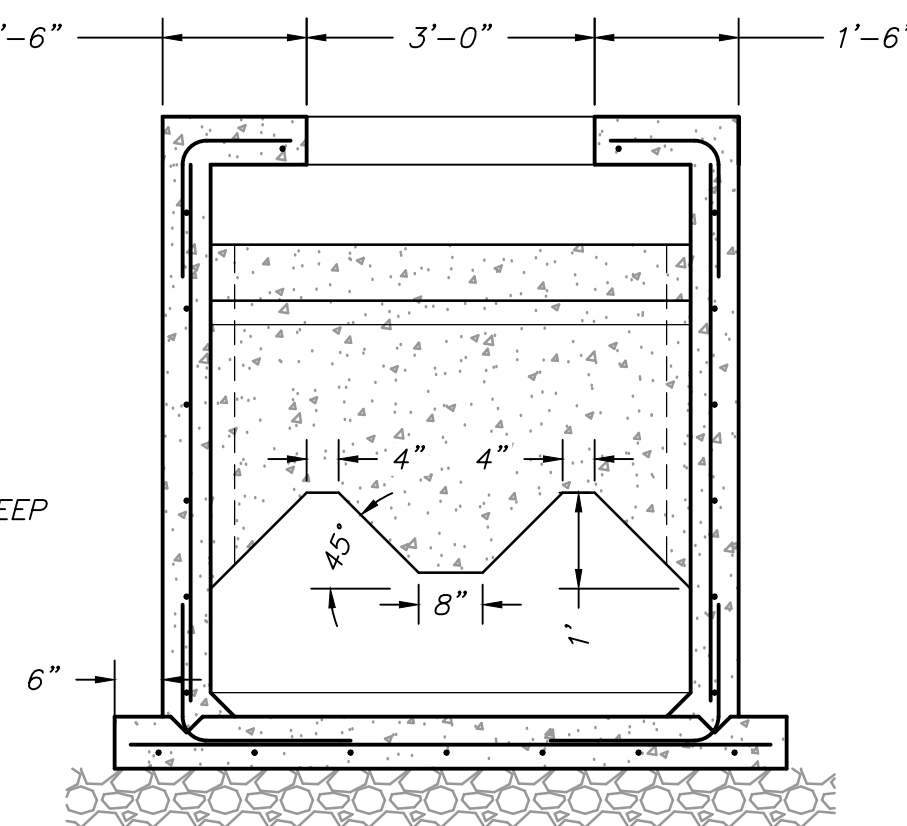
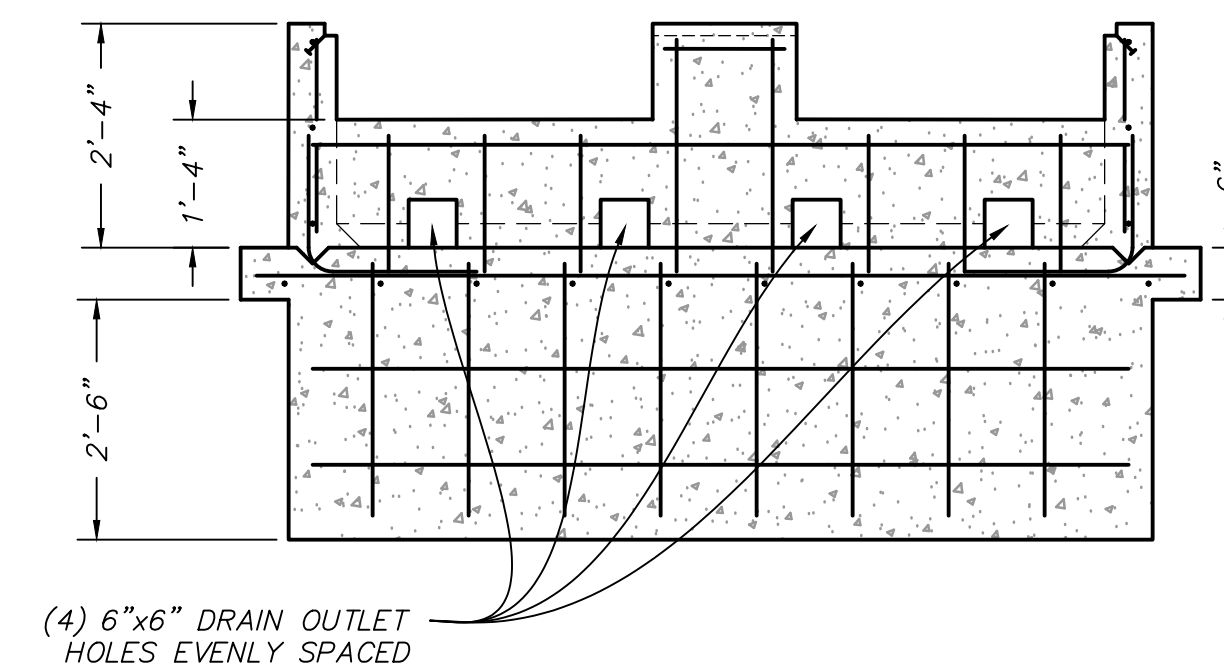
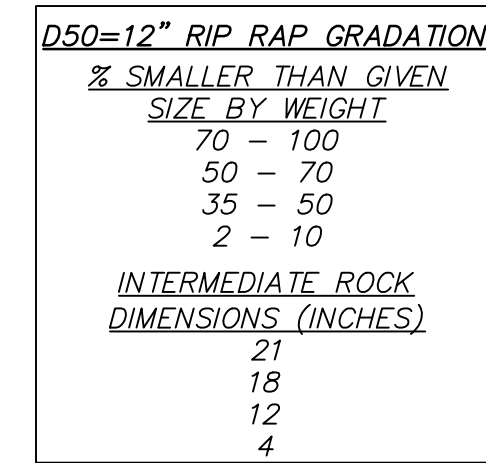
Precast manhole

1. **GENERAL**
 - A. 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.
 - B. Manhole size.
 - 1) Diameter is 4-feet: For pipe under 12" diameter.
 - 2) Diameter is 5-feet: For pipe 12" and larger, or when 3 or more drain pipes intersect the manhole.
 - C. Wall thickness:
 - 1) Precast reinforced concrete walls 4 3/4" minimum.
 - 2) Cast-in-place concrete to be 8 inches thick minimum.
2. **PRODUCTS**
 - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - C. Concrete: Class 4000, APWA Section 03 30 04.
 - D. Riser and Reducing Riser: ASTM C478.
 - E. Joint Sealant: Rubber based, compressible.
 - F. Grout: 2 parts sand to 1 part cement mortar, ASTM C1329.
 - G. Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.
3. **EXECUTION**
 - A. Foundation Stabilization: Get ENGINEER's permission to use a sewer rock or a sewer rock in a geotextile wrap to stabilize an unstable foundation.
 - B. 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.
 - C. Invert cover. During construction, place invert covers over the top of pipe in manholes that currently convey sewerage. See Plan 412.
 - D. Concrete Deck or Reducing Riser: When depth of manhole from pipe invert to finish grade exceeds 7 feet, use an ASTM C478 reducing riser.
 - E. Pipe Connections: Grout around all pipe openings.
 - F. 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.
 - G. Joints: Place flexible sealant in all riser joints. Finish with grout.
 - H. 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.
 - I. Finish: Provide smooth and neat finishes on interior of cones, shafts, and rings. Imperfect moldings or honeycombs will not be accepted.
 - J. 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**Cover collar for storm drains**

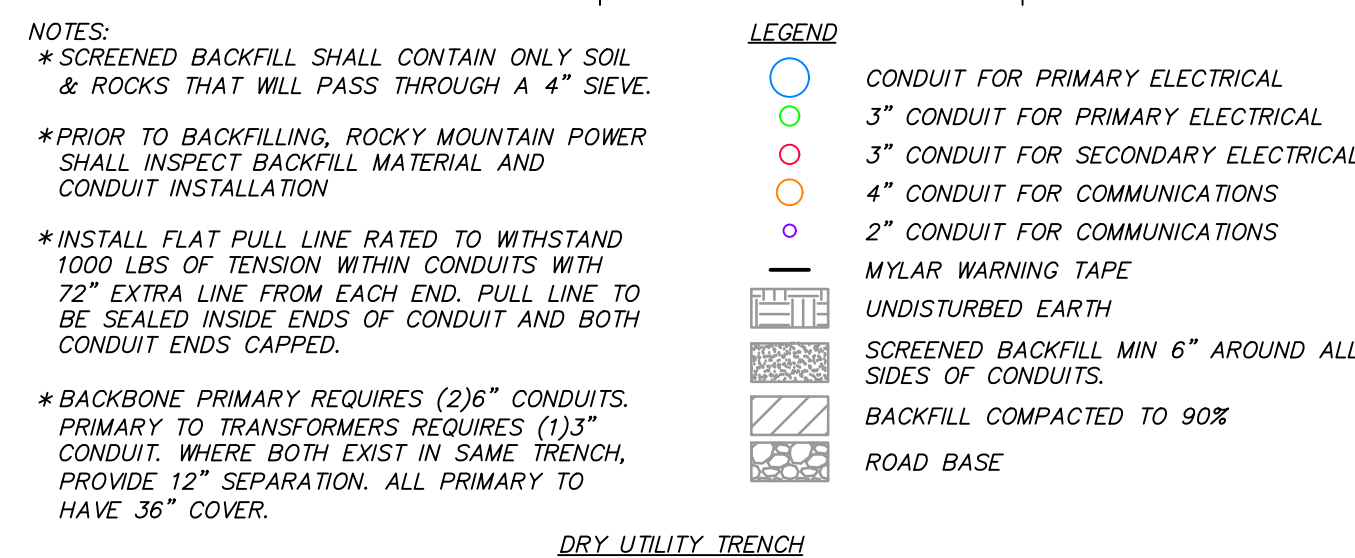
1. **GENERAL**
 - A. In a pavement surface, the concrete will support the frame under traffic loadings.
2. **PRODUCTS**
 - A. Concrete: Class 4000, APWA Section 03 30 04.
 - B. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
3. **EXECUTION**
 - A. Pavement Preparation: Provide a neat vertical and concentric joint between concrete and existing bituminous concrete surfaces. Clean edges of all dirt, oil, and loose debris.
 - B. Concrete Placement: APWA Section 03 30 10. Fill the annular space around the frame and cover casting with concrete. Apply a broom finish. Apply a curing agent.

362



SECTION 3-3

D
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NTS



⊕ $\frac{A}{-}$ $\frac{TY}{NTS}$

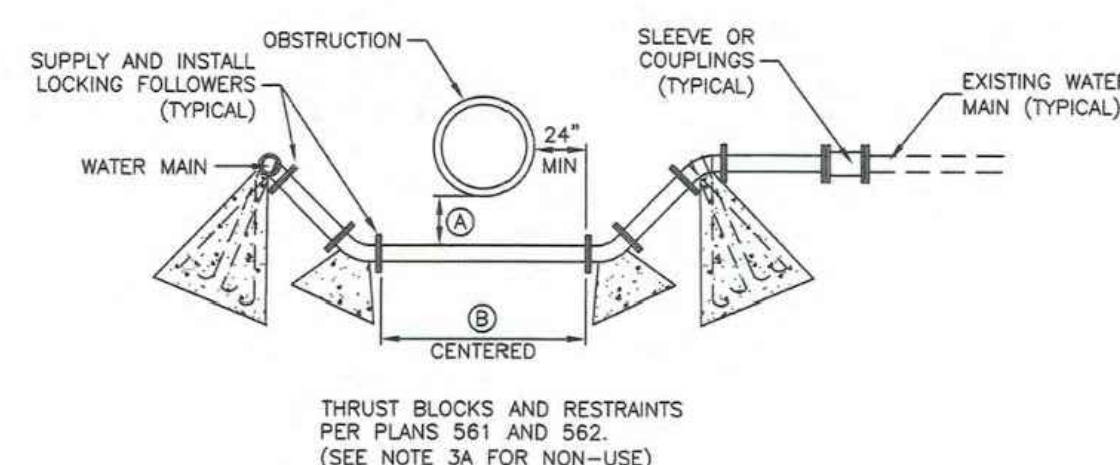


$\frac{C}{-}$ $\frac{S}{SC}$



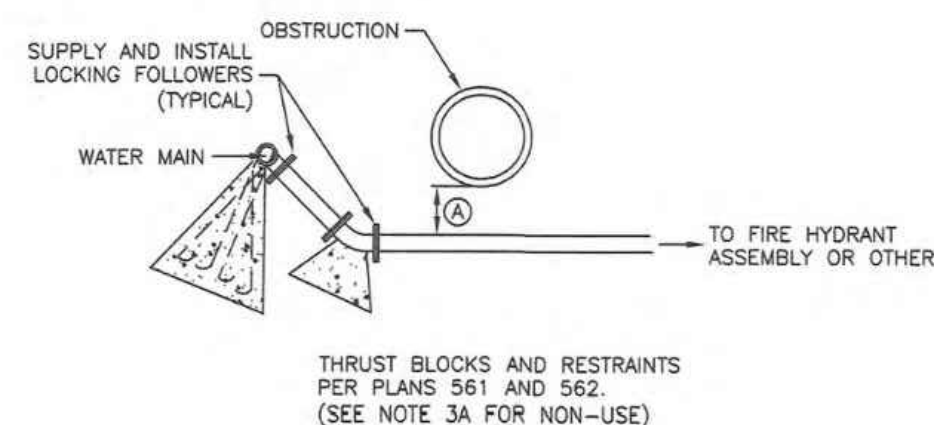
- 1. **GENERAL**
 - A. Before backfilling, secure inspection of installation by ENGINEER.
- 2. **PRODUCTS**
 - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - B. Piping: Match existing pipe, fittings, coupling sizes and materials.
 - C. Thrust Blocks: Concrete Class 4000, APWA Section 03 30 04.
 - D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A615.
 - E. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - F. Grease: Non-oxide poly-FM.
- 3. **EXECUTION**
 - A. Thrust Blocks: Not required for flange or welded pipe systems. Before pouring thrust block concrete, wrap pipe system with plastic sheet to prevent bonding of concrete to pipe system.
 - B. Fittings: Use copper to copper flare fittings or copper to iron pack joint coupling with locking split clamp on iron pipe side and flare on copper side. All couplings to be brass.
 - C. Grease: Apply grease to all buried metal surfaces. Wrap with polyethylene sheet and tape wrap.
 - D. Steel Spool: Weld in place and provide slip on flange except when fitting in pipe system could move. Epoxy line per AWWA C210, C213, and coated per AWWA C208, or C214.
 - E. Location: Loop wave mains over top of sewer lines.
 - F. 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.

STYLE B AND C



OBSTRUCTION	(A)	(B)
SEWER	18" MIN	20' MIN
OTHER	12" MIN	O.D. + 48"

STYLE B

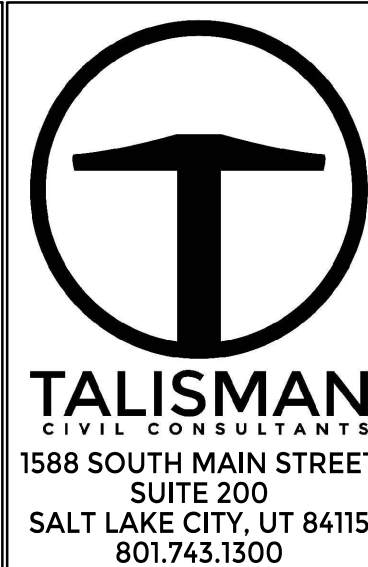


OBSTRUCTION	(A)
SEWER	18" MIN
OTHER	12" MIN

STYLE C



Water main line loop

Plan
543.2
March 2011

POWDER MOUNTAIN

PRADO PHASE 1

DETAILS

DATE: 10.22.2025

TCC JOB NUMBER: 25-220-12

SHEET NUMBER

C907