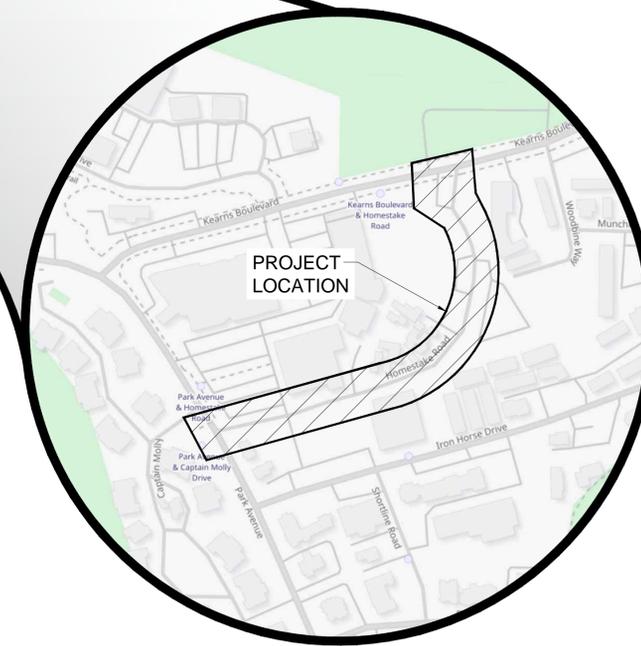
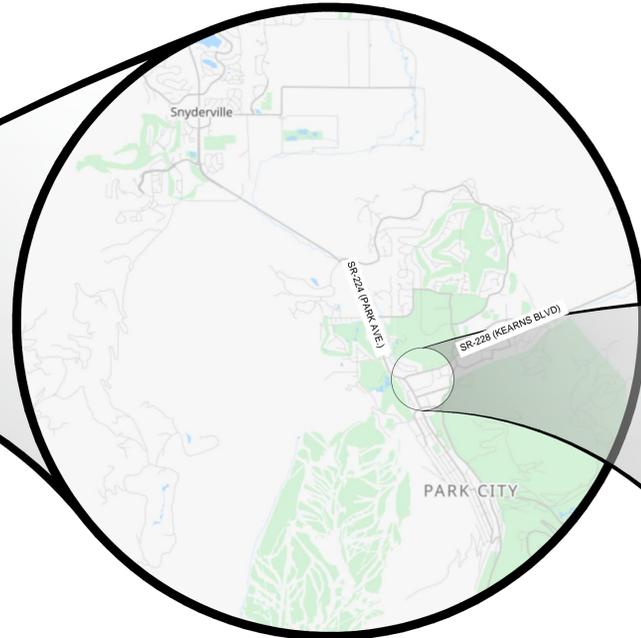
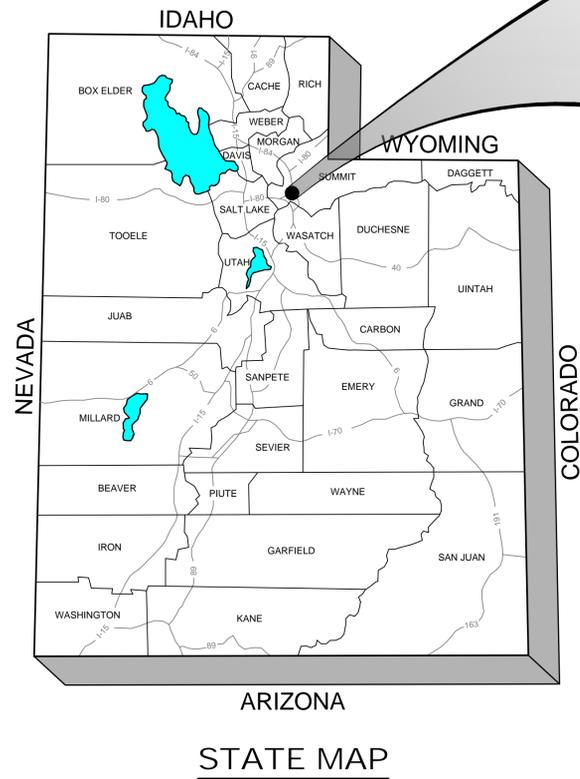


100% CONSTRUCTION PLANS FOR HOMESTAKE ROAD STORM DRAIN PARK CITY, UTAH



BENCHMARK:
 BM#1
 ELEV: 6820.929
 N: 3399939.347
 E: 1638633.589
 FOUND: NAIL
 - VERTICAL CONTROL DATUM BASED ON NAVD88

ENGINEER:
HORROCKS ENGINEERS
 4919 South 1500 West, Suite 300
 Riverdale, UT 84405
 (801) 626-2300
 CONTACT: Trevor Price, PE

OWNER:
PARK CITY MUNICIPAL CORPORATION
 445 Marsac Avenue
 Park City, UT 84060
 (435) 615-5323
 CONTACT: Griffin Lloyd

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3	C.0.2	LEGEND SHEET
4	C.1.0	PLAN & PROFILE KEYMAP
5	C.1.1	HORIZONTAL CONTROL PLAN
6	C.1.2	PLAN & PROFILE
7	C.1.3	PLAN & PROFILE
8	C.1.4	PLAN & PROFILE
9	C.1.5	PLAN & PROFILE
10	C.1.6	PLAN & PROFILE
11	C.2.0	DETAILS
12	C.2.1	DETAILS



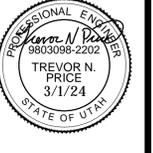
Know what's below.
Call before you dig.

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REVISIONS	REV #	DATE

DRAWING INFO	DATE	DESIGNED	DRAWN	CHECKED	PROJECT
	3/1/2024	DS	DS	ZS	UT-7970-23



HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
COVER & INDEX SHEET

C.0.0
 PAGE 1

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE GOVERNING JURISDICTIONAL ENTITY(IES) FOR THIS PROJECT. UNLESS OTHERWISE NOTED, SEE PROJECT SPECIFICATIONS AND STANDARDS SECTION ON THIS SHEET FOR MORE INFORMATION.
2. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES A COPY OF THE APPROVED AND STAMPED CONSTRUCTION PLANS ON WHICH IS RECORDED THE ACTUAL LOCATIONS OF THE CONSTRUCTED UTILITIES AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE LOCATIONS TO THE DESIGN ENGINEER.
3. THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
4. OWNER/DEVELOPER/CONTRACTOR IS REQUIRED TO CALL LOCAL UNDERGROUND UTILITY LOCATING SERVICES IN A SUFFICIENT AMOUNT OF TIME SO AS TO PROPERLY DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DELAYS TO THE CONSTRUCTION SCHEDULE. CONTRACTOR SHALL POTHOLE AHEAD OF WORK TO VERIFY ALIGNMENT AND ELIMINATE POSSIBLE CONFLICTS.
5. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK AND BETWEEN TRADES. SUB-CONTRACTORS ARE ALSO RESPONSIBLE FOR COORDINATION WITH OTHER TRADES AND DISCIPLINES INCLUDED IN THE CONTRACT DOCUMENTS. IF ANY DISCREPANCIES ARE FOUND, THE GENERAL CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY BEFORE COMMENCEMENT OF WORK. NO EXTRA COSTS TO THE PROJECT WILL BE INCURRED DUE TO FAILURE OF GENERAL CONTRACTOR AND/OR SUB-CONTRACTORS TO REVIEW CONTRACT DOCUMENTS AND COORDINATE WITH OTHER TRADES.
6. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL CITY STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND CONTROL OF TRAFFIC THROUGHOUT THE DURATION OF THE PROJECT. TRAFFIC CONTROL SHALL FOLLOW THE GOVERNING AGENCY'S (UDOT AND PARK CITY MUNICIPAL) REQUIREMENTS WHERE APPLICABLE.
7. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE BUILDING DEPARTMENT FOR ANY WALLS GREATER THAN 4' IN HEIGHT CONSTRUCTED WITHIN THE PROJECT. ALL ROCK WALLS CONSTRUCTED WITHIN THE PROJECT MUST BE CERTIFIED AND INSPECTED BY A LICENSED STRUCTURAL ENGINEER PRIOR TO THE CITY'S FINAL ACCEPTANCE.

UDOT GENERAL CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FOR WORK COMPLETED WITHIN UDOT'S ROW
2. ALL CONSTRUCTION WITHIN THE UDOT RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT UDOT STANDARD (INCLUDING SUPPLEMENTAL) DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR IS TO OBTAIN AN ENCROACHMENT PERMIT FROM THE APPLICABLE UDOT REGION PERMIT OFFICE PRIOR TO COMMENCING WORK WITHIN UDOT RIGHT-OF-WAY. WORKING HOUR LIMITATIONS WILL BE LISTED IN THE LIMITATIONS SECTION OF THE ENCROACHMENT PERMIT.
4. UDOT RESERVES THE RIGHT, AT ITS OPTION, TO INSTALL A RAISED MEDIAN ISLAND OR RESTRICT THE ACCESS TO A RIGHT-IN OR RIGHT-OUT AT ANY TIME.
5. OWNER, DEVELOPER, AND CONTRACTOR ARE RESPONSIBLE FOR ANY DAMAGES DIRECTLY OR INDIRECTLY WITHIN THE UDOT RIGHT-OF-WAY AS A RESULT OF DEVELOPMENT ACTIVITIES.
6. OWNER, DEVELOPER, AND/OR CONTRACTOR IS REQUIRED TO HIRE AN INDEPENDENT COMPANY FOR ALL TESTING WITHIN THE UDOT RIGHT-OF-WAY
7. ALL SIGNS INSTALLED ON THE UDOT RIGHT-OF-WAY MUST BE HIGH INTENSITY GRADE (TYPE XI SHEETING) WITH A B3 SLIP BASE. INSTALL ALL SIGNS PER UDOT SN SERIES STANDARD DRAWINGS.
8. COMPLY WITH THE REQUIREMENTS OF UTAH CODE 17-23-14 (DISTURBED CORNER - COUNTY SURVEYOR TO BE NOTIFIED - COORDINATION WITH CERTAIN STATE AGENCIES).

UTILITY NOTES

WATER

- 1. PROTECT EXISTING WATERLINE IN PLACE. ANY DAMAGE TO EXISTING WATERLINE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. ALL WATERLINE CROSSINGS SHALL BE PER CURRENT PARK CITY MUNICIPAL STANDARDS. IF ANY CROSSING CANNOT BE CONSTRUCTED PER STANDARDS DUE TO VARYING FIELD CONDITIONS, NOTIFY THE ENGINEER OR OWNER'S REPRESENTATIVE IMMEDIATELY.

UTILITY NOTES

POWER

- 1. CONTRACTOR TO FOLLOW ALL BLUE STAKES PROTOCOLS
2. ACCESS TO EXISTING ELECTRICAL EQUIPMENT MUST BE MAINTAINED THROUGHOUT THE PROJECT.
3. CONTACT LOCAL ENERGY SERVICES FOR ANY REQUIRED CHANGES OR CONFLICTS WITH EXISTING ELECTRICAL INFRASTRUCTURE.
4. CHANGES MADE TO EXISTING INFRASTRUCTURE WILL BE DONE TO THE LOCAL ENERGY SERVICES STANDARDS AND COMPLETED BY A PRE-QUALIFIED CONTRACTOR OR ENERGY SERVICES.

DOMINION ENERGY GAS

- 1. CONTRACTOR NEEDS TO CONTACT DOMINION ENERGY GAS MARKETING DEPARTMENT, PRIOR TO BREAKING GROUND, FOR GAS SIGN UP. SEE UTILITY CONTACTS SECTION ON THIS SHEET FOR MORE INFORMATION.
2. CONTRACTOR WILL BE RESPONSIBLE TO GET ALL COMPACTION TESTS DONE AT DEVELOPERS EXPENSE.
3. IF CASINGS/CONDUITS ARE NEEDED, THEY ARE TO BE INSTALLED BY AND PAID FOR BY THE PROJECT. A MAP WILL BE AVAILABLE AT DOMINION ENERGY GAS FOR CASING LOCATIONS.
4. WATER AND SEWER LINES, CULVERTS OR OTHER HAZARDS NOT CLEARLY NOTICEABLE SHALL BE STAKED BY DEVELOPER.
5. FAILURE TO COMPLY WITH THE ABOVE NOTES WILL RESULT IN DELAY OF GAS SERVICE TO THIS PROJECT.
6. HIGH PRESSURE GAS NOTE: IF HIGH PRESSURE GAS LINES ARE LOCATED IN OR NEAR THE DIGGING AREA: BEFORE DIGGING THE CONTRACTOR WILL CALL THE LOCAL DOMINION ENERGY GAS REPRESENTATIVE.

GRADING & DRAINAGE NOTES

- 1. ALL IMPORTED STRUCTURAL FILL, IF REQUIRED, SHALL BE APPROVED BY THE JURISDICTIONAL ENTITY PRIOR TO DELIVERY TO THE SITE.
2. THE PLANS DO NOT IDENTIFY THE CONSTRUCTION METHODS, EQUIPMENT, PROCEDURES, AND OR SEQUENCING TO BE EMPLOYED BY THE CONTRACTOR. ALL GRADING OPERATIONS INCLUDING BUT NOT LIMITED TO SITE PREPARATION, SCARIFICATION, EXCAVATION, OVER-EXCAVATION, PLACEMENT OF FILLS, AND COMPACTION OF FILLS, SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL ENTITY.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY HORROCKS ENGINEERS IMMEDIATELY IF THERE ARE ANY CONFLICTS BETWEEN THE REQUIREMENTS OF THE PLANS AND FIELD OBSERVATIONS.
4. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONAL.
5. THE CONTRACTOR SHALL PROVIDE SUITABLE METHODS & EQUIPMENT TO CONTROL DUST AND AIR POLLUTION CAUSED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL ALSO PROVIDE SUITABLE MUD AND DIRT CONTAINMENT TO MAINTAIN THE WORK SITE. ACCESS ROADWAYS AND ADJACENT PROPERTIES IN A CLEAN CONDITION.
6. ALL EXCAVATION AND GRADING SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE JURISDICTIONAL ENTITY AND UNIFORM BUILDING CODES.
7. PRIOR TO CONSTRUCTION, AN EROSION AND SEDIMENT CONTROL PLAN WILL BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR APPROVAL.
8. AS PART OF THE CONTRACTOR'S MOBILIZATION THEY SHALL BE REQUIRED TO FILE AND MAINTAIN A SWPPP PER STATE REQUIREMENTS. SWPPP BMPS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. TEMPORARY BMPS SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF FINAL PAYMENT.

UTILITY CONTACTS

WATER & STORM

Park City
1053 Iron Horse Drive, P.O. Box 1480
Park City, UT 84060
(435)615-5305
HARRISON HOLLEY

SEWER

Snyderville Basin Water Reclamation District
2800 Homestead Road
Park City, UT 84098
(435)649-7993

POWER

Rocky Mountain Power
1407 W North Temple
Salt Lake City, UT 84116
1-800-468-3981

NATURAL GAS

Dominion Energy
1140 W 200 S
Salt Lake City, UT 84104
(435)945-4882
Whitney Sargent

TELEPHONE

Century Link
151 West Winchester St
Salt Lake City, UT 84107
(801)967-4180

CATV SERVICE

Comcast
12179 South State St
Draper, UT 84095
(800)934-6489

REVISIONS

Table with 4 columns: REV No., SHEET No., DATE OF REV, DESCRIPTION. Row 1: 1, 1, 3/1/24, [Symbol]

PROJECT SPECIFICATIONS AND STANDARDS

- 1. APWA MANUAL OF STANDARD SPECIFICATIONS 2017 Ed.
2. APWA MANUAL OF STANDARDS PLANS 2017 Ed.
3. PARK CITY SUPPLEMENTAL STANDARD PLANS & SPECIFICATIONS 2021 Ed.
4. CURRENT UDOT STANDARD DRAWINGS AND SPECIFICATIONS.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL NOTIFY HORROCKS ENGINEERS OF ANY FOUND CONFLICTS PRIOR TO ANY WORK BEING DONE RELATED TO THE ISSUE.

LEGAL NOTICE TO CONTRACTOR

USE OF THE INFORMATION CONTAINED IN THIS INSTRUMENT FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS INTENDED AND FOR OTHER THAN THE CLIENT FOR WHOM IT WAS PREPARED IS FORBIDDEN UNLESS EXPRESSLY PERMITTED IN WRITING IN ADVANCE TO HORROCKS ENGINEERS, AND HORROCKS ENGINEERS SHALL HAVE NO LIABILITY TO ANY USE OF THIS INFORMATION WITHOUT THEIR WRITTEN CONSENT.

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WARNING sign with scale bar (0-2 feet) and text: IF THIS BAR DOES NOT MEASURE 2' THEN DRAWING IS NOT TO SCALE. *SEE GENERAL NOTES SHEET.

Professional Engineer Seal for Trevor N. Price, State of Utah, License No. 3833088-2202, dated 3/1/24. Vertical text: HOMESTAKE ROAD STORM DRAIN, PARK CITY, UTAH, NOTES SHEET.

Graphic with Horrocks logo and text: C.O.1, PAGE 2

SEWER

Table with columns for EXISTING and PROPOSED sewer pipe sizes (4 INCH to 36 INCH) and SERVICE LATERAL.

STORM

Table with columns for EXISTING and PROPOSED storm pipe sizes (4 INCH to 72 INCH) and LAND DRAIN.

WATER

Table with columns for EXISTING and PROPOSED water pipe sizes (3/4 INCH to 72 INCH) and SERVICE LATERAL.

IRRIGATION

Table with columns for EXISTING and PROPOSED irrigation pipe sizes (1 INCH to 36 INCH) and SERVICE LATERAL.

POWER

Table with columns for OVERHEAD and UNDERGROUND power lines (1 PH A 1/0 to 3 PH ABC 4/0).

GAS

Table with columns for UNKNOWN and PROPOSED gas pipe sizes (1 INCH to 12 INCH) and HIGH PRESSURE.

COMMUNICATIONS

Table with columns for OVERHEAD and UNDERGROUND cable TV and telephone lines.

MISCELLANEOUS

Table with columns for DEMO, UNKNOWN PIPE, JOINT UTILITY TRENCH, TOE OF SLOPE, TOP OF SLOPE, DIRECTIONAL FLOWLINE, EDGE OF PAVEMENT, GUARDRAIL, RAILROAD TRACKS, CONTOUR - MAJOR, and CONTOUR - MINOR.

HATCH PATTERNS

Table of hatch patterns for BUILDING / PAD, CONCRETE SIDEWALK / FLATWORK, DECORATIVE BRICK / SIDEWALK / FLATWORK / LANDSCAPE AREAS, POOL DECK, XERISCAPE, LANDSCAPE AREAS / GRASS, HEAVY DUTY PAVEMENT SECTION, LIGHT DUTY PAVEMENT SECTION, ADA ACCESS RAMP TRUNCATED DOMES, RIPRAP, and GRAVEL.

SURFACE FEATURES

Table of surface features including CUT LINE, FILL LINE, LIMITS OF DISTURBANCE, DITCH, GRADE BREAK, HIGH WATER MARK, HIGH WATER MARK - 1 YEAR EVENT, HIGH WATER MARK - 5 YEAR EVENT, HIGH WATER MARK - 10 YEAR EVENT, HIGH WATER MARK - 25 YEAR EVENT, HIGH WATER MARK - 50 YEAR EVENT, HIGH WATER MARK - 100 YEAR EVENT, FENCE - BARBED, FENCE - CHAIN LINK, FENCE - DECORATIVE, FENCE - WOOD, WALL - BLOCK, WALL - CONCRETE, WALL - PANEL, WALL - ROCK, RIGHT OF WAY, CENTERLINE (ROAD/ENTITY), CURB & GUTTER, PARCEL LINE, PROPERTY BOUNDARY, 10' PUBLIC UTILITY & DRAINAGE EASEMENT (P.U.E.), PAINT STRIPE - SOLID, PAINT STRIPE - DOUBLE SOLID, PAINT STRIPE - BROKEN, PAINT STRIPE - BIKE LANE INTERSECTION, PAINT STRIPE - LANE DROP, PAINT STRIPE - LANE LINE EXTENSION, TRAFFIC SIGNAL - DETECTION CONDUIT, TRAFFIC SIGNAL - FUTURE CONDUIT, TRAFFIC SIGNAL - LIGHTING CONDUIT, TRAFFIC SIGNAL - PEDESTRIAN CONDUIT, TRAFFIC SIGNAL - POWER SOURCE CONDUIT, TRAFFIC SIGNAL - SIGNAL CONDUIT.

CONSTRUCTION KEYNOTE TAGS

Table of construction keynote tags for DEMO PLAN, GRADING PLAN, SITE PLAN, WATER, SEWER, STORM DRAIN, IRRIGATION, CABLE TV, TELEPHONE, GAS, POWER, and MISCELLANEOUS.

CALLOUTS

Table of callouts for FINISHED FLOOR ELEVATION, TBC & TDBC SPOT ELEVATION, FL & TG SPOT ELEVATION, and PARKING STALL COUNT.

STANDARD SYMBOLS

Table of standard symbols for EXISTING and PROPOSED electrical manholes, fiber optic manholes, telephone manholes, cable TV manholes, electrical power poles, signal poles, electrical boxes, fiber optic boxes, junction boxes, telephone boxes, telephone pedestals, cable TV boxes, light poles, light pole options, gas manholes, gas meters, cleanouts, sewer manholes, irrigation manholes, irrigation boxes, water manholes, water meters, water meter options, fire hydrants, fire hydrant options, gate valves, gate valve options, crosses, tees, 90 degree bends, 45 degree bends, 22.5 degree bends, 11.25 degree bends, wyes, reducers, caps & plugs, storm drain manholes, area drain rounds, area drain squares, drop inlets, curb inlets, curb inlet options, curb double inlets, curb double inlet options, combo boxes, oil/water sand/grease, oil/water sand/grease options, flared end plans, flared end profiles, flared end sections, signs, bollards, bore holes, test pits, benchmarks, section corners, and control points.

DETAIL REFERENCE



MATCHLINE STA. XX+XX.XX SEE SHEET PP-XX

ABBREVIATIONS*

Table of abbreviations for ALGEBRAIC GRADE CHANGE, AGGREGATE BASE COURSE, ASPHALTIC CEMENT OR CONCRETE, BUILDING CORNER, BACK OF CURB RETURN, BASE FLOOD ELEVATION, BASEMENT FINISH FLOOR, BLDG, BENCHMARK, BEGIN POINT, BUTTERFLY VALVE, BEGIN VERTICAL CURVE, BEGIN VERTICAL CURVE ELEVATION, BEGIN VERTICAL CURVE STATION, BEGIN VERTICAL PROFILE, BOTTOM OF VISIBLE WALL, CURB & GUTTER, CATCH BASIN, CENTERLINE, CLR, CLEANOUT, CONCRETE, COPPER, CUBIC YARD, DIAMETER, DRAWING, EAST OR EASTING, EACH, EXISTING GRADE/ GROUND, ELEVATION, EDGE OF CONCRETE, EDGE OF PAVEMENT, END POINT, EASEMENT, END VERTICAL CURVE, END VERTICAL CURVE ELEVATION, END VERTICAL CURVE STATION, END VERTICAL PROFILE, EXISTING, FLANGE END, FINISHED FLOOR, FINISHED GRADE, FLANGE JOINT, FLOW LINE, FORCE MAIN, FEET PER SECOND, FOOT OR FEET, FUTURE, GAS LINE, GRADE BREAK, GARAGE FINISHED FLOOR, GATE VALVE, HGL, HYDRAULIC GRADE LINE, HP, HORIZONTAL, HIGH WATER MARK, INSIDE DIAMETER, INCHES, IRR, IRRIGATION (PRESSURIZED)/ NON-POTABLE, LENGTH, LINEAR FEET, LOW POINT, LANDSCAPE, LEFT, LENGTH OF VERTICAL CURVE, MAXIMUM, MATCH EXISTING, MANUFACTURER, MGD, MILLION GALLONS PER DAY, MIDDLE, MIN, MINIMUM, MECHANICAL JOINT, NORTH OR NORTHING, FRICTION FACTOR, N/A, NOT APPLICABLE, NOT TO SCALE, ON CENTER, OUTSIDE DIAMETER, OVERALL HIGH POINT, OVERALL LOW POINT, POINT OF CURVE, POINT OF COMPOUND CURVE, PHASE, POINT OF INTERSECTION, PROPERTY LINE, POINT OF REVERSE CURVE, POINT OF TANGENCY, PUBLIC UTILITY EASEMENT, POINT OF VERTICAL INTERSECTION, RATE OF FLOW, RADIUS, REVISION, RIGHT, RIGHT OF WAY, SLOPE, STORM DRAIN, STORM DRAIN MANHOLE, SECTION, SQUARE FOOT/ FOOTAGE, STREETLIGHT, SPECIFICATIONS, SANITARY SEWER, SANITARY SEWER MANHOLE, STATION, STANDARD, SIGHT VISIBILITY EASEMENT, SIDEWALK, TOP OF ASPHALT, TOP BACK OF CURB, TDBC, TEMPORARY BENCHMARK, TEMPORARY BENCH MARK, TOP OF CONCRETE, TEMPORARY, TEMP, TOP OF FOOTING, TOP OF GRATE, TOP OF RETAINING WALL, TOP OF WALL, TYPICAL, UNTREATED BASE COURSE, VELOCITY, VERTICAL CURVE, VERTICAL, WITH, WATER MANHOLE, WATER.

PIPE ABBREVIATIONS*

Table of pipe abbreviations for PVC, RCP, VCP, CIP, HDPE, DIP, CMP, CPP, POLY, POLYVINYL CHLORIDE, REINFORCED CONCRETE PIPE, VITRIFIED CLAY PIPE, CAST IRON PIPE, HIGH DENSITY POLYETHYLENE, DUCTILE IRON PIPE, CORRUGATED METAL PIPE, CORRUGATED POLYETHYLENE PIPE, POLYETHYLENE.

* ALL ABBREVIATIONS MAY NOT BE USED

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Table with columns for REVISIONS (REV #, DATE) and DRAWING INFO (DATE, DESIGNED, DRAWN, CHECKED, PROJECT).

Professional Engineer seal for Trevor N. Price, State of Utah, License No. 3033088-2202, dated 3/1/24.

HOMESTAKE ROAD STORM DRAIN LEGEND SHEET ADDRESS, CITY, STATE

C.O.2 logo and page number: PAGE 3

PROJECT DESCRIPTION

THIS PROJECT INCLUDES ALL THE INSTALLATION OF A NEW STORM DRAIN MAINLINE FROM THE ENGINE HOUSE PROJECT TO THE EXISTING COLLECTION POINT ON SR-248. WORK SHALL INCLUDE ASPHALT CUTTING AND REPLACEMENT, REMOVAL AND REPLACEMENT OF EXISTING CONCRETE CURBING AND SIDEWALKS, TRENCHING AND BACKFILL, THE INSTALLATION OF NEW STORM DRAIN PIPE, THE INSTALLATION OF STORM DRAIN MANHOLES, THE INSTALLATION OF STORM DRAIN CATCH BASINS AND DRAIN BOXES, AND ALL OTHER ITEMS NECESSARY TO PROVIDE A FUNCTIONING STORM DRAIN CONVEYANCE SYSTEM AND RESTORE IMPACTED ELEMENTS WITHIN THE PROJECT ARE TO PRE-CONSTRUCTION CONDITIONS.

THE SUMMARIES BELOW ARE INTENDED TO BE A QUICK REFERENCE FOR CONTRACTOR REFERENCE. THE PROJECT BID SCHEDULE IN THE SPECIFICATIONS SHALL GOVERN THE FINAL SCOPE OF WORK.

SUMMARY OF ITEMS:

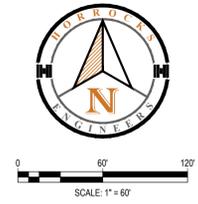
ITEM NO.	ITEM NAME:	(QTY) UNIT:
1	MOBILIZATION AND DEMOBILIZATION	(1) LUMP SUM
2	TRAFFIC CONTROL	(1) LUMP SUM
3	FURNISH AND INSTALL 12" REINFORCED CONCRETE PIPE (RCP)	(40) LINEAR FEET
4	FURNISH AND INSTALL 15" REINFORCED CONCRETE PIPE (RCP)	(965) LINEAR FEET
5	FURNISH AND INSTALL SINGLE GRATE HOODED INLET, CAPPED AND BURIED PER DETAILS AND PLAN NOTES	(7) EACH
6	FURNISH AND INSTALL 60" STORM DRAIN MANHOLE	(3) EACH
7	SAW CUT AND REMOVE EXISTING ASPHALT OVER STORM DRAIN LINE TRENCH (ASSUME 6" HMA OVER 8" UTBC)	(210) SQUARE YARDS
8	REPLACE ASPHALT OVER NEW STORM DRAIN LINE TRENCH	(210) SQUARE YARDS
9	SR-248 STORM DRAIN CONNECTION	-
9-A	REMOVE EXISTING SIDEWALK	(650) SQUARE FEET
9-B	REMOVE EXISTING CURB AND GUTTER	(160) LINEAR FEET
9-C	FURNISH AND INSTALL 15" REINFORCED CONCRETE PIPE (RCP)(UDOT SPEC)	(215) LINEAR FEET
9-D	FURNISH AND INSTALL COMBINATION BOX (FLIPPED WITH MANHOLE IN SIDEWALK)	(1) EACH
9-E	CONNECT TO EXISTING MANHOLE (UDOT SPEC)	(1) EACH
9-F	REPAIR ASPHALT PAVEMENT ALONG NEW CURB AND GUTTER (UDOT SPEC)	(75) SQUARE YARDS
9-G	CONSTRUCT NEW CONCRETE SIDEWALK	(960) SQUARE FEET
9-H	CONSTRUCT CURB AND GUTTER	(160) LINEAR FEET
9-I	LANDSCAPE REPAIR ALONG NEW AND RECONSTRUCTED SIDEWALK	(1) LUMP SUM
9-J	RECONSTRUCT EXISTING LIGHT POLE JUNCTION BOX IN PLACE	(1) LUMP SUM
9-K	RECONSTRUCT EXISTING SIDEWALK AND PEDESTRIAN RAMPS TO MATCH EXISTING	(1) LUMP SUM
10	REMOVE VALLEY GUTTER	(275) LINEAR FEET
11	LANDSCAPE REPAIR	(910) SQUARE FEET
12	EXCAVATION, REMOVE AND DISPOSE OF NON-CONTAMINATED SOILS AT CONTRACTOR'S SITE	(430) TONS
13	CONSTRUCT NEW ASPHALT ROLLED CURB	(275) LINEAR FEET

ALTERNATE ITEMS:

ITEM NO.	ITEM NAME:	(QTY) UNIT:
1	INSTALL NEW CONCRETE VALLEY GUTTER TO MATCH EXISTING CONDITIONS	(275) LINEAR FEET

ADDITIVE ITEMS:

ITEM NO.	ITEM NAME:	(QTY) UNIT:
1	DISPOSE OF CONTAMINATED SOILS (COALVILLE SITE)	(430) TONS
2	DISPOSE OF CONTAMINATED SOILS (TOOELE SITE)	(430) TONS
3	DISPOSE OF CONTAMINATED SOILS (CITY PROVIDED SITE)	(430) TONS
4	IMPORT OF MATERIAL TO REPLACE EXPORTED CONTAMINATED SOILS	(430) TONS



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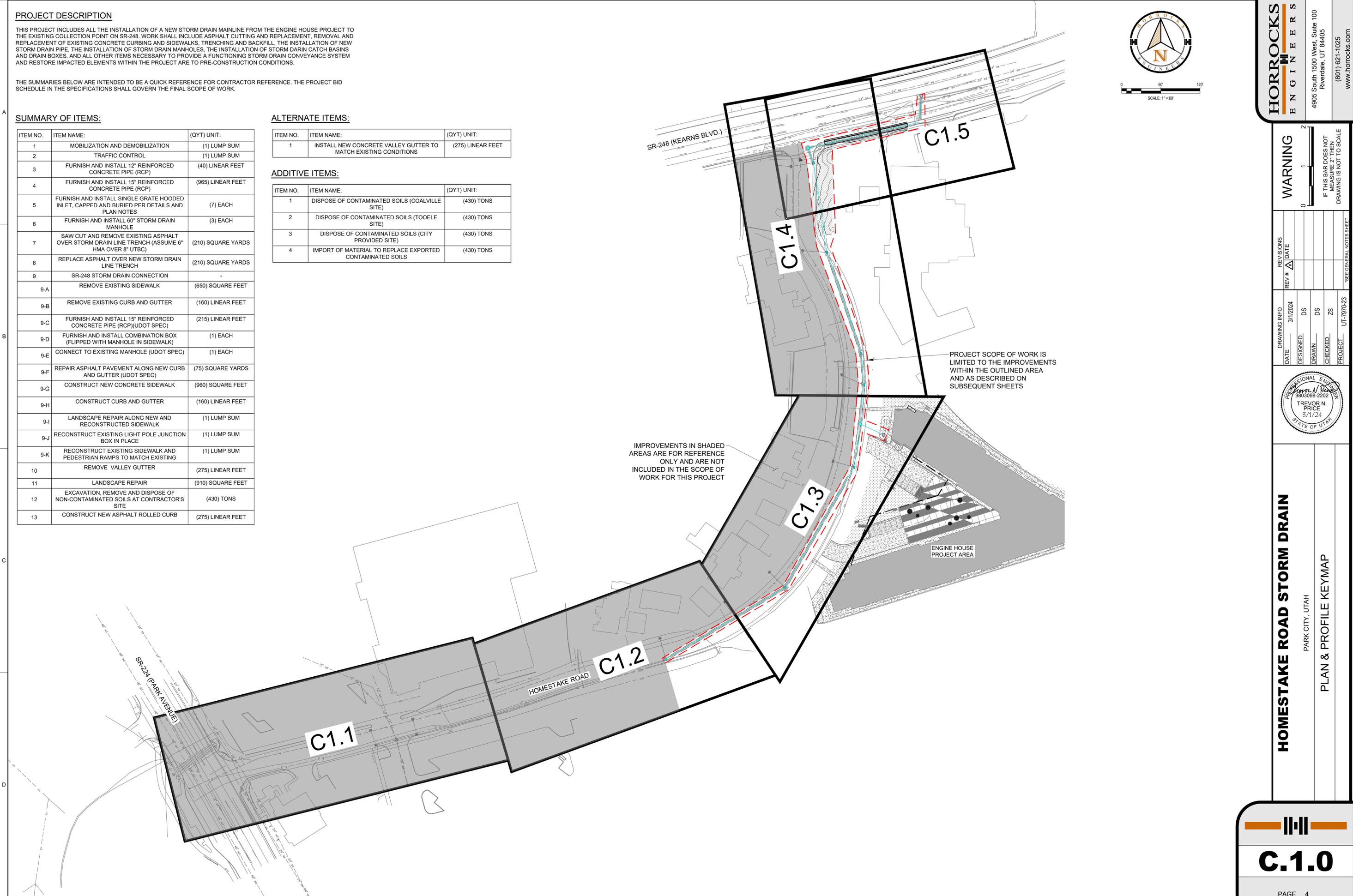
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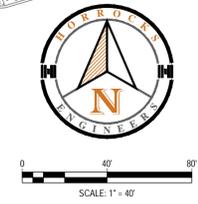
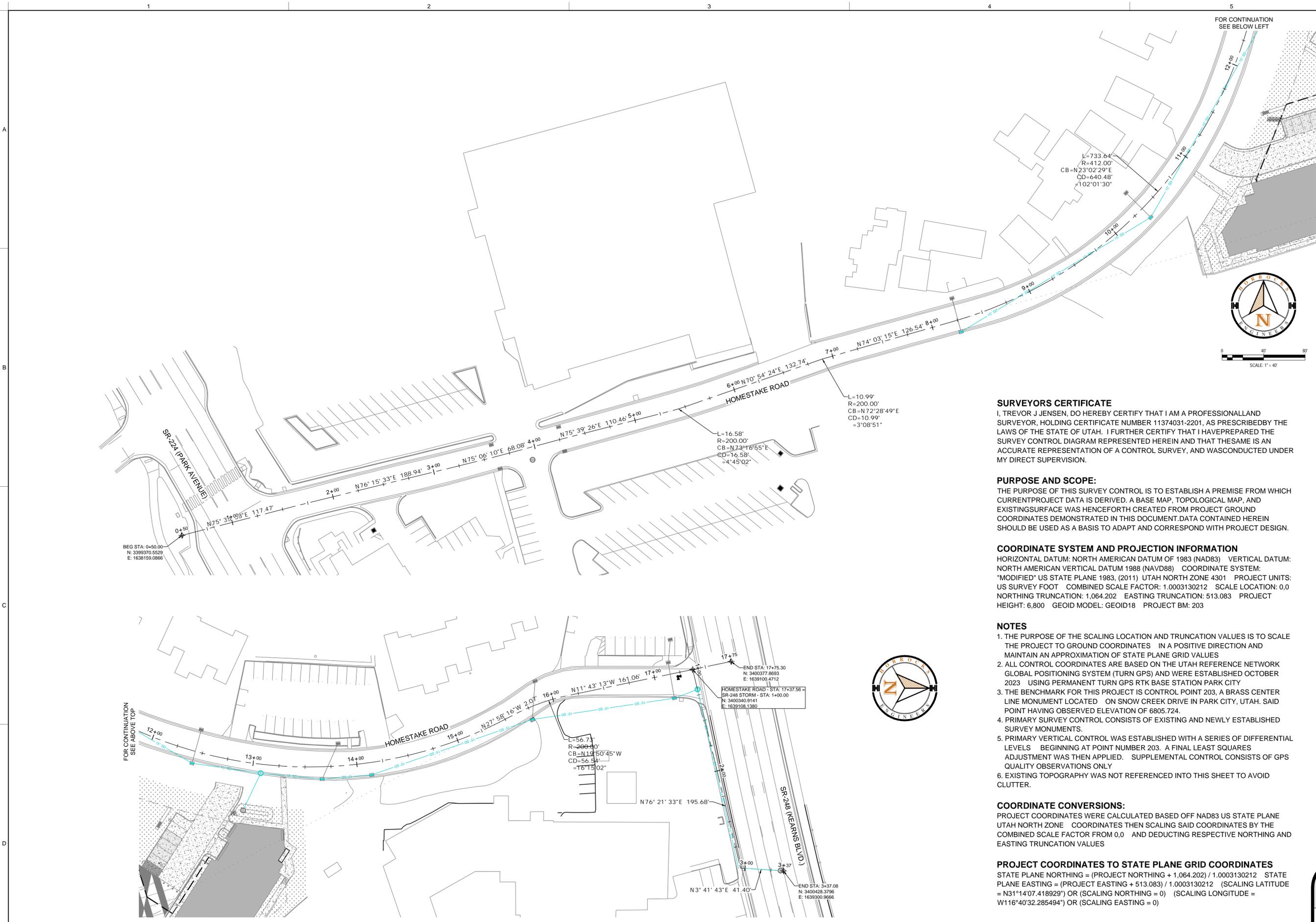
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PROJECT: UT-7970-23	



HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
 PLAN & PROFILE KEYMAP

C.1.0
 PAGE 4





SURVEYORS CERTIFICATE

I, TREVOR J JENSEN, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, HOLDING CERTIFICATE NUMBER 11374031-2201, AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE PREPARED THE SURVEY CONTROL DIAGRAM REPRESENTED HEREIN AND THAT THIS IS AN ACCURATE REPRESENTATION OF A CONTROL SURVEY, AND WAS CONDUCTED UNDER MY DIRECT SUPERVISION.

PURPOSE AND SCOPE:

THE PURPOSE OF THIS SURVEY CONTROL IS TO ESTABLISH A PREMISE FROM WHICH CURRENT PROJECT DATA IS DERIVED. A BASE MAP, TOPOLOGICAL MAP, AND EXISTING SURFACE WAS HENCEFORTH CREATED FROM PROJECT GROUND COORDINATES DEMONSTRATED IN THIS DOCUMENT. DATA CONTAINED HEREIN SHOULD BE USED AS A BASIS TO ADAPT AND CORRESPOND WITH PROJECT DESIGN.

COORDINATE SYSTEM AND PROJECTION INFORMATION

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) COORDINATE SYSTEM: "MODIFIED" US STATE PLANE 1983, (2011) UTAH NORTH ZONE 4301 PROJECT UNITS: US SURVEY FOOT COMBINED SCALE FACTOR: 1.0003130212 SCALE LOCATION: 0.0 NORTHING TRUNCATION: 1,064.202 EASTING TRUNCATION: 513.083 PROJECT HEIGHT: 6,800 GEOID MODEL: GEOID18 PROJECT BM: 203

NOTES

1. THE PURPOSE OF THE SCALING LOCATION AND TRUNCATION VALUES IS TO SCALE THE PROJECT TO GROUND COORDINATES IN A POSITIVE DIRECTION AND MAINTAIN AN APPROXIMATION OF STATE PLANE GRID VALUES
2. ALL CONTROL COORDINATES ARE BASED ON THE UTAH REFERENCE NETWORK GLOBAL POSITIONING SYSTEM (TURN GPS) AND WERE ESTABLISHED OCTOBER 2023 USING PERMANENT TURN GPS RTK BASE STATION PARK CITY
3. THE BENCHMARK FOR THIS PROJECT IS CONTROL POINT 203, A BRASS CENTER LINE MONUMENT LOCATED ON SNOW CREEK DRIVE IN PARK CITY, UTAH. SAID POINT HAVING OBSERVED ELEVATION OF 6805.724.
4. PRIMARY SURVEY CONTROL CONSISTS OF EXISTING AND NEWLY ESTABLISHED SURVEY MONUMENTS.
5. PRIMARY VERTICAL CONTROL WAS ESTABLISHED WITH A SERIES OF DIFFERENTIAL LEVELS BEGINNING AT POINT NUMBER 203. A FINAL LEAST SQUARES ADJUSTMENT WAS THEN APPLIED. SUPPLEMENTAL CONTROL CONSISTS OF GPS QUALITY OBSERVATIONS ONLY
6. EXISTING TOPOGRAPHY WAS NOT REFERENCED INTO THIS SHEET TO AVOID CLUTTER.

COORDINATE CONVERSIONS:

PROJECT COORDINATES WERE CALCULATED BASED OFF NAD83 US STATE PLANE UTAH NORTH ZONE COORDINATES THEN SCALING SAID COORDINATES BY THE COMBINED SCALE FACTOR FROM 0.0 AND DEDUCTING RESPECTIVE NORTHING AND EASTING TRUNCATION VALUES

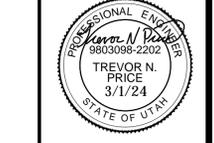
PROJECT COORDINATES TO STATE PLANE GRID COORDINATES

STATE PLANE NORTHING = (PROJECT NORTHING + 1,064.202) / 1.0003130212 STATE PLANE EASTING = (PROJECT EASTING + 513.083) / 1.0003130212 (SCALING LATITUDE = N31°14'07.418929") OR (SCALING NORTHING = 0) (SCALING LONGITUDE = W116°40'32.285494") OR (SCALING EASTING = 0)

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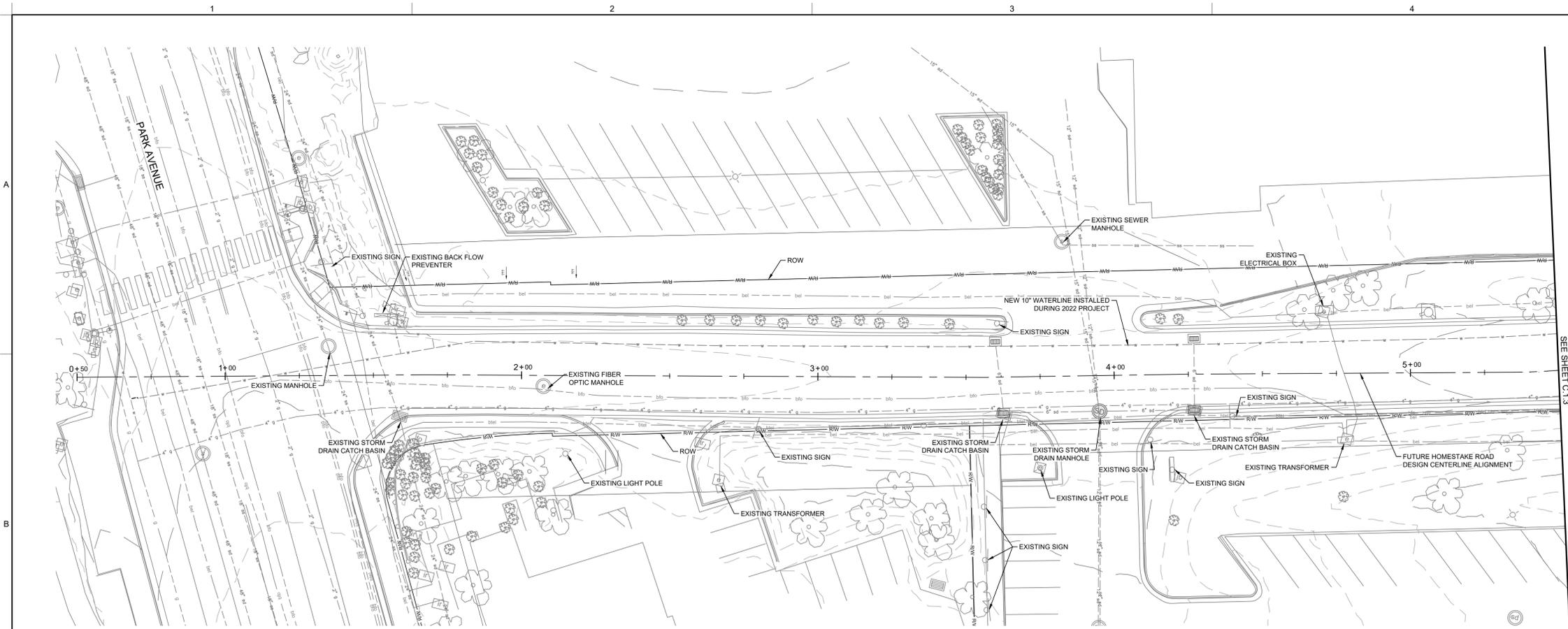
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 IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE

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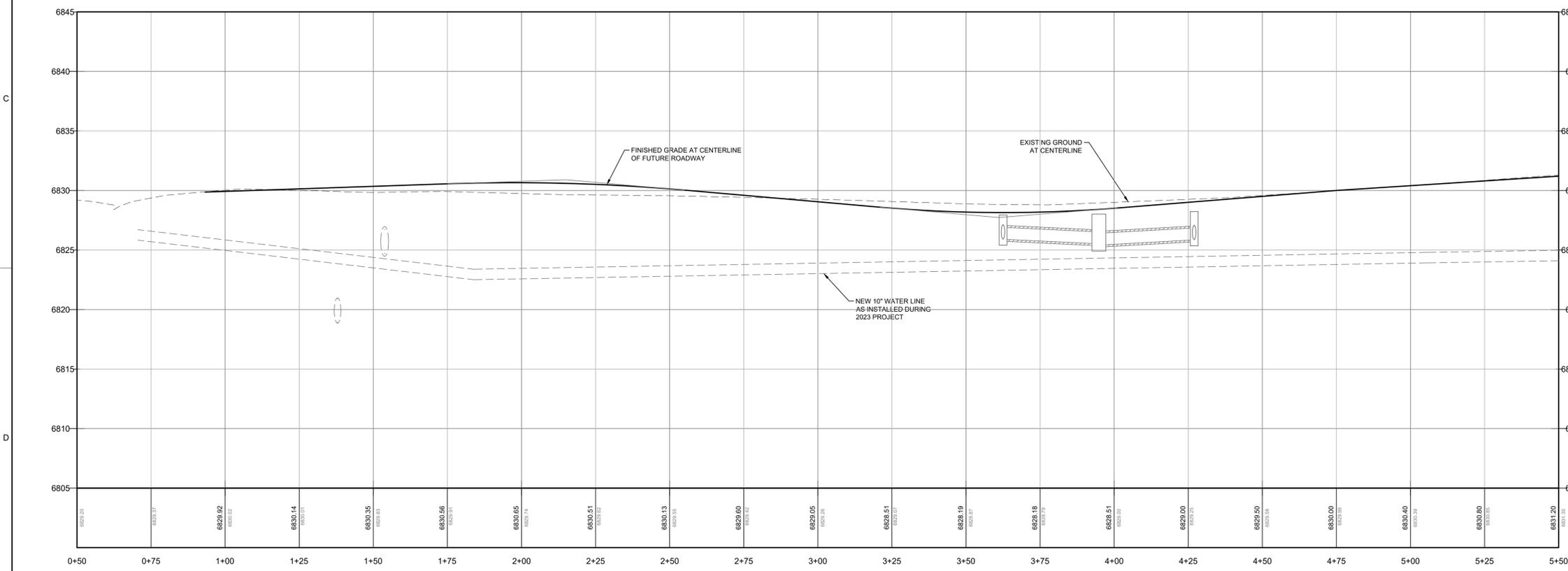


HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
 HORIZONTAL CONTROL PLAN

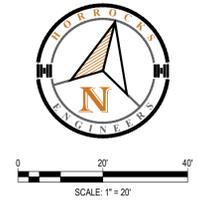
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 PAGE 5



**FUTURE IMPROVEMENTS SHOWN FOR REFERENCE ONLY.
NO WORK ON THIS SHEET**



HOMESTAKE ROAD PROFILE
0+50.00 to 5+50.00



- CONSTRUCTION KEYNOTES**
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 - 71 WATER LINE CROSSING PER PARK CITY MUNICIPAL STANDARDS.

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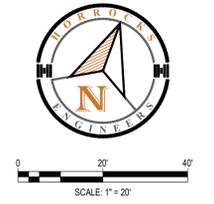
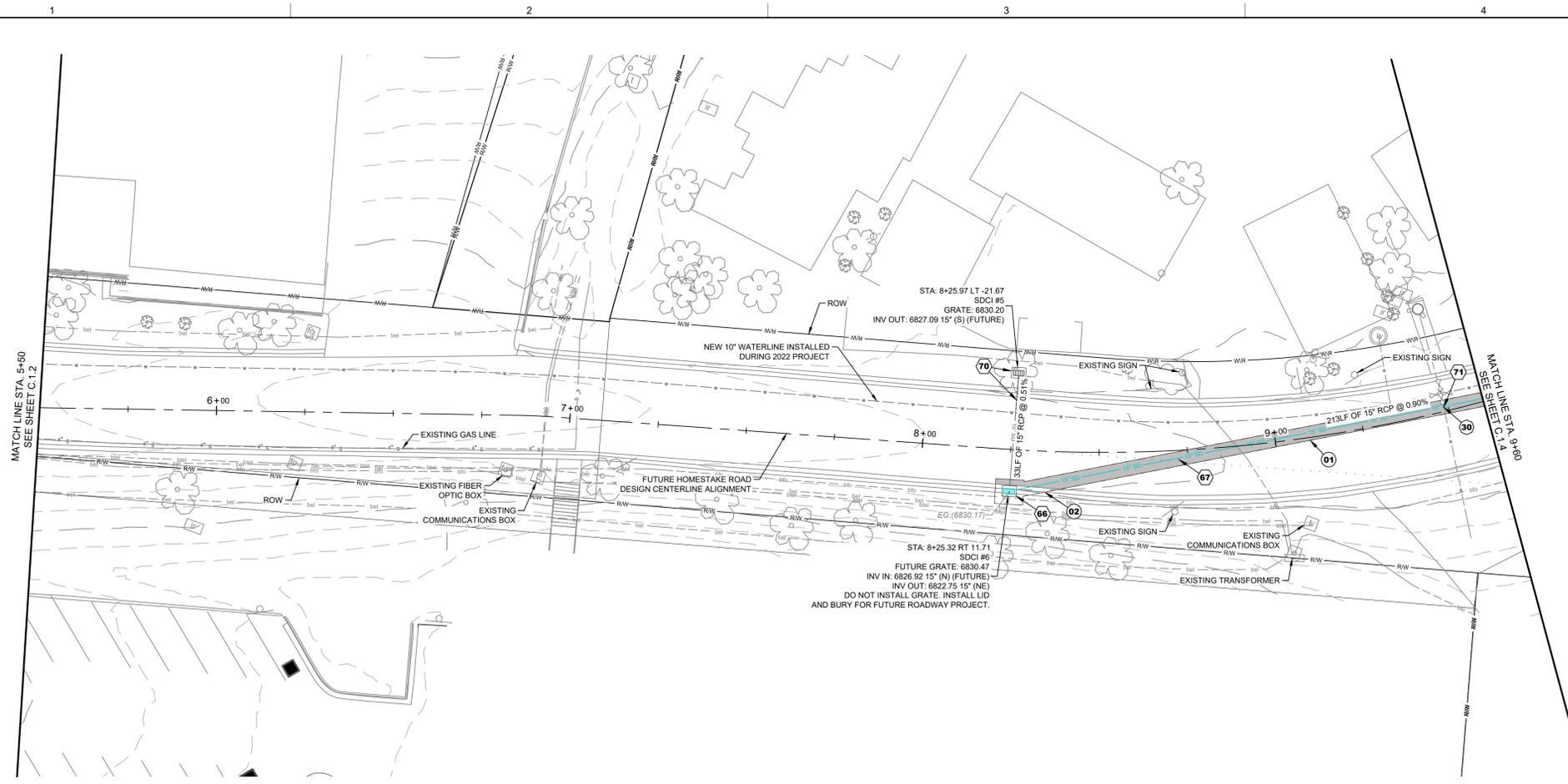
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HOMESTAKE ROAD STORM DRAIN
PARK CITY, UTAH
PLAN & PROFILE

C.1.2

PAGE 6



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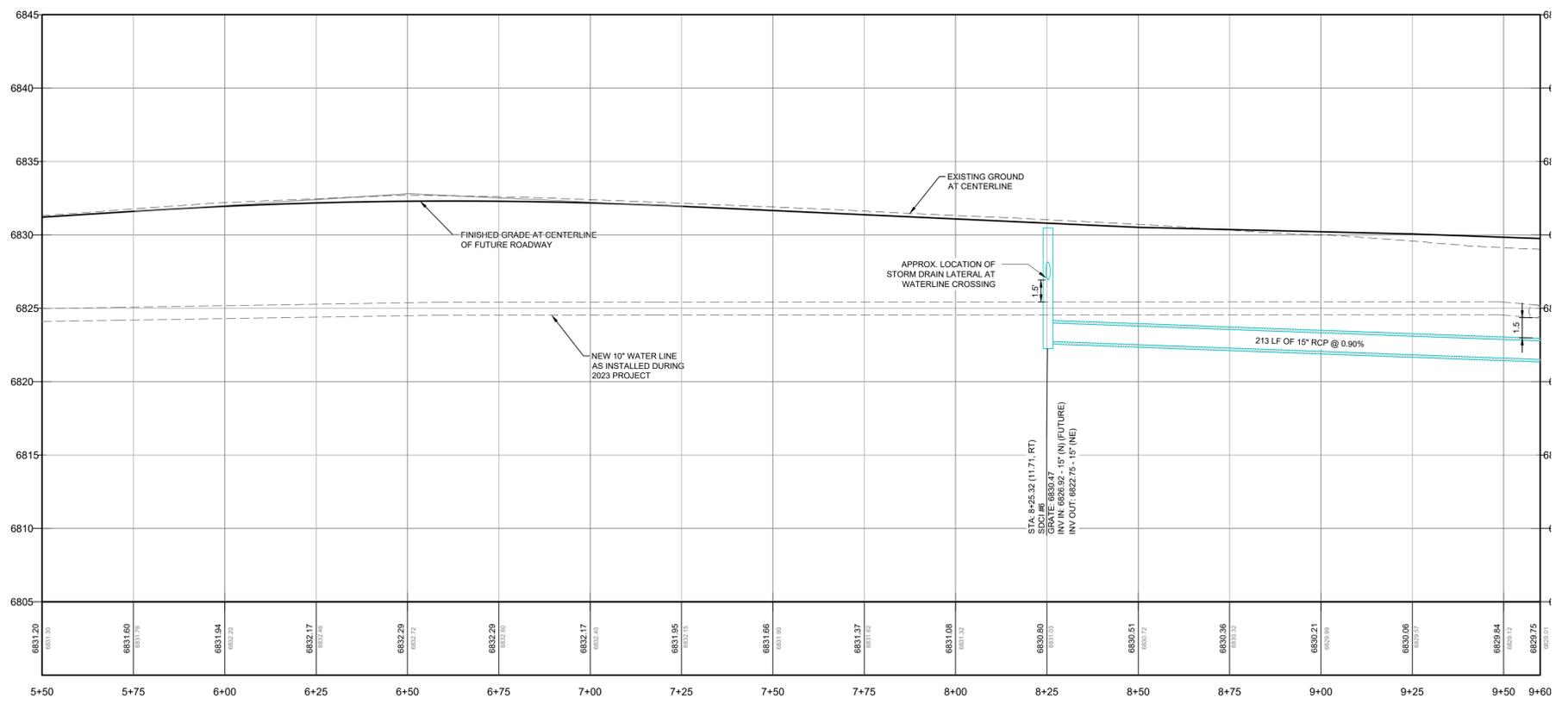
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HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
PLAN & PROFILE

C.1.3
 PAGE 7



SCALE: 1" = 20'

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REVISIONS	REV #	DATE	DESCRIPTION
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DATE: 3/1/2024
DESIGNED: DS
DRAWN: DS
CHECKED: ZS
PROJECT: UT-7970-23



HOMESTAKE ROAD STORM DRAIN
PARK CITY, UTAH
PLAN & PROFILE

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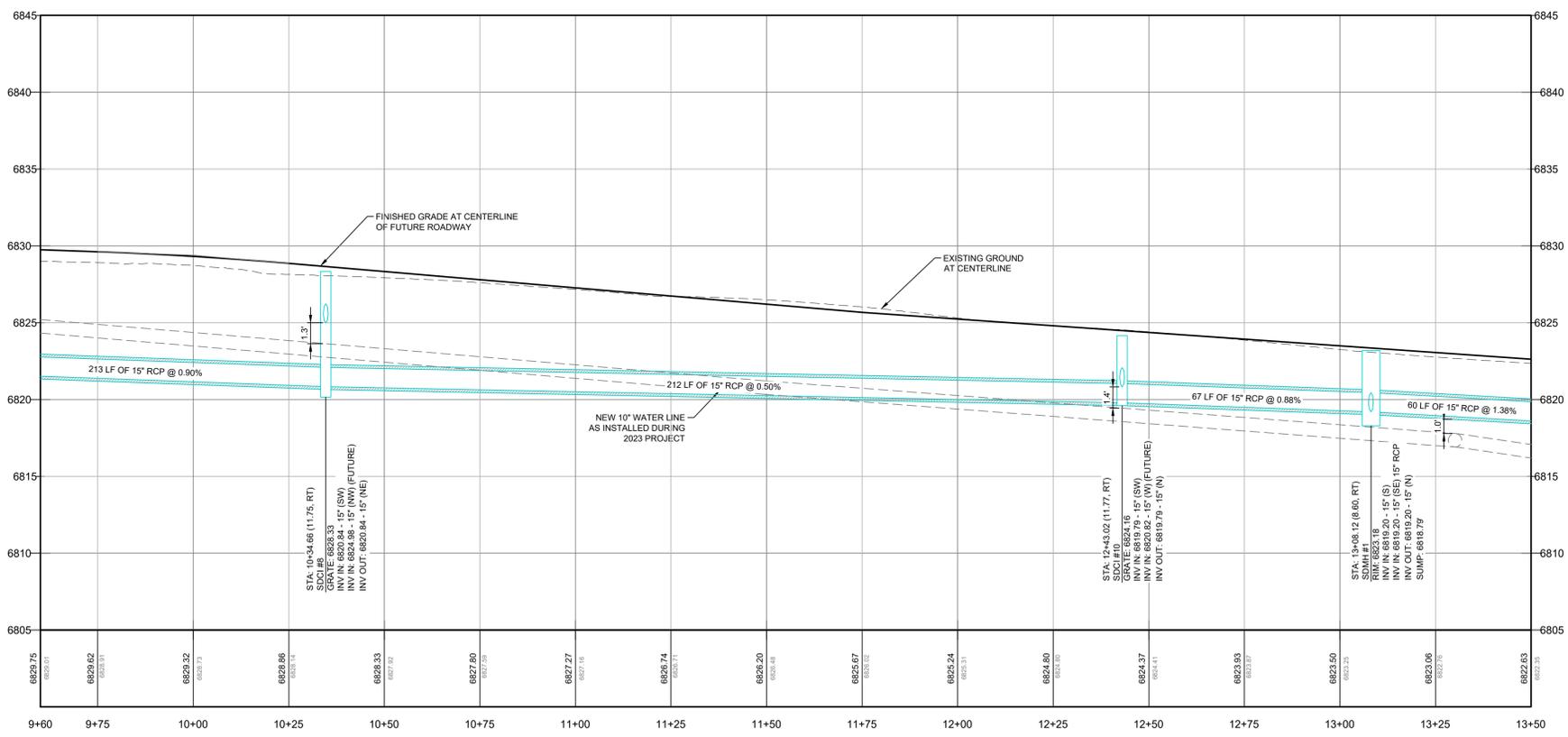
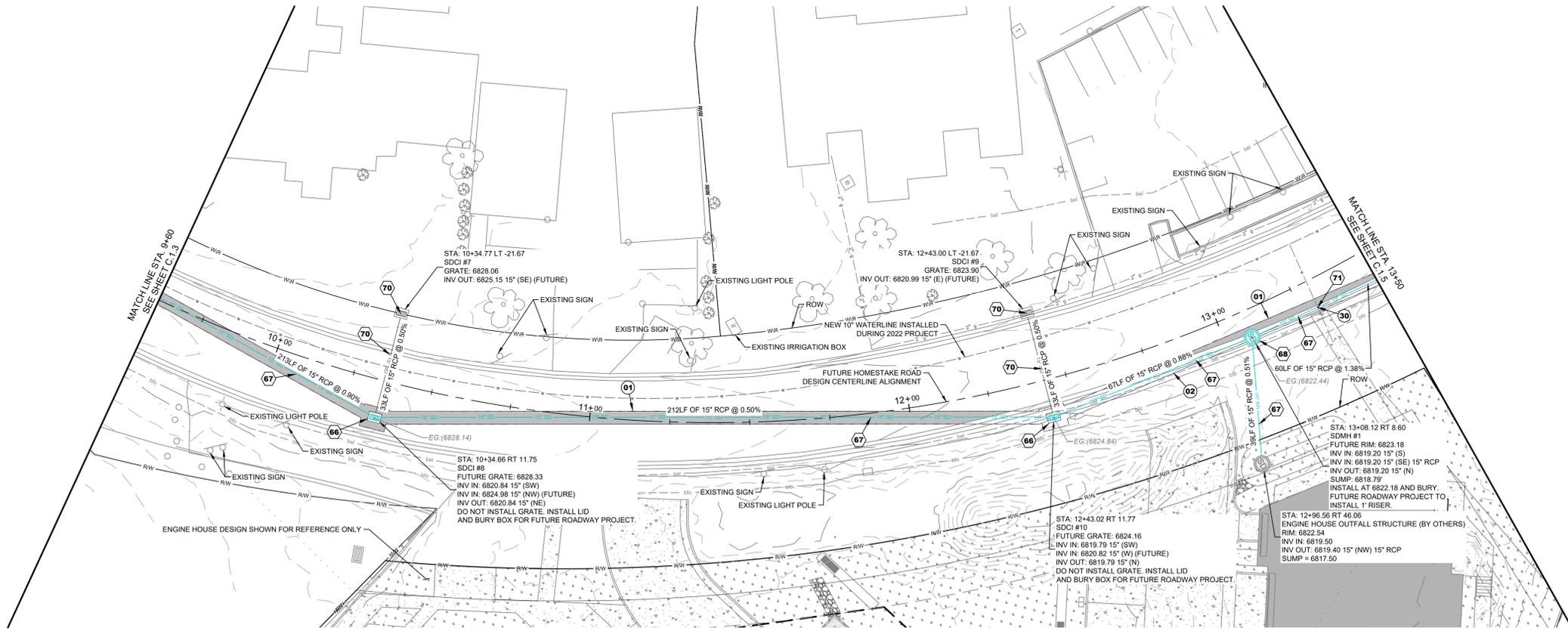
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HOMESTAKE ROAD PROFILE
9+60.00 TO 13+50.00



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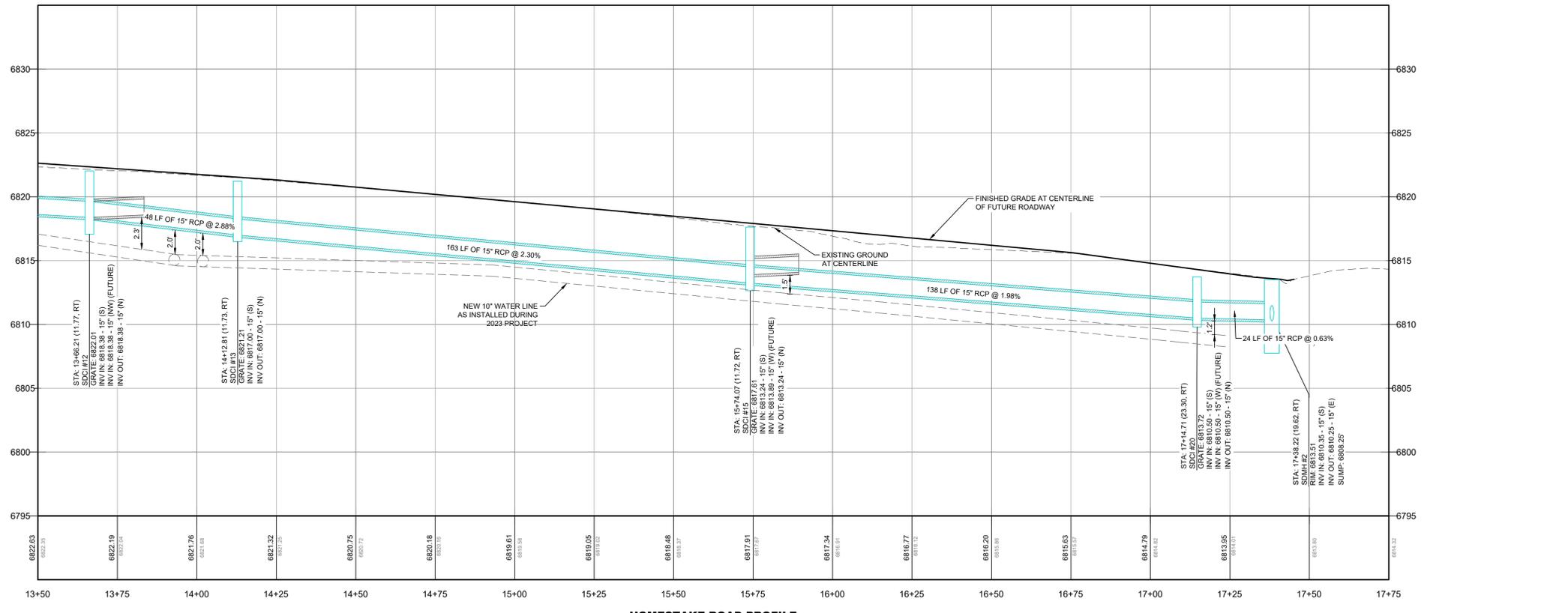
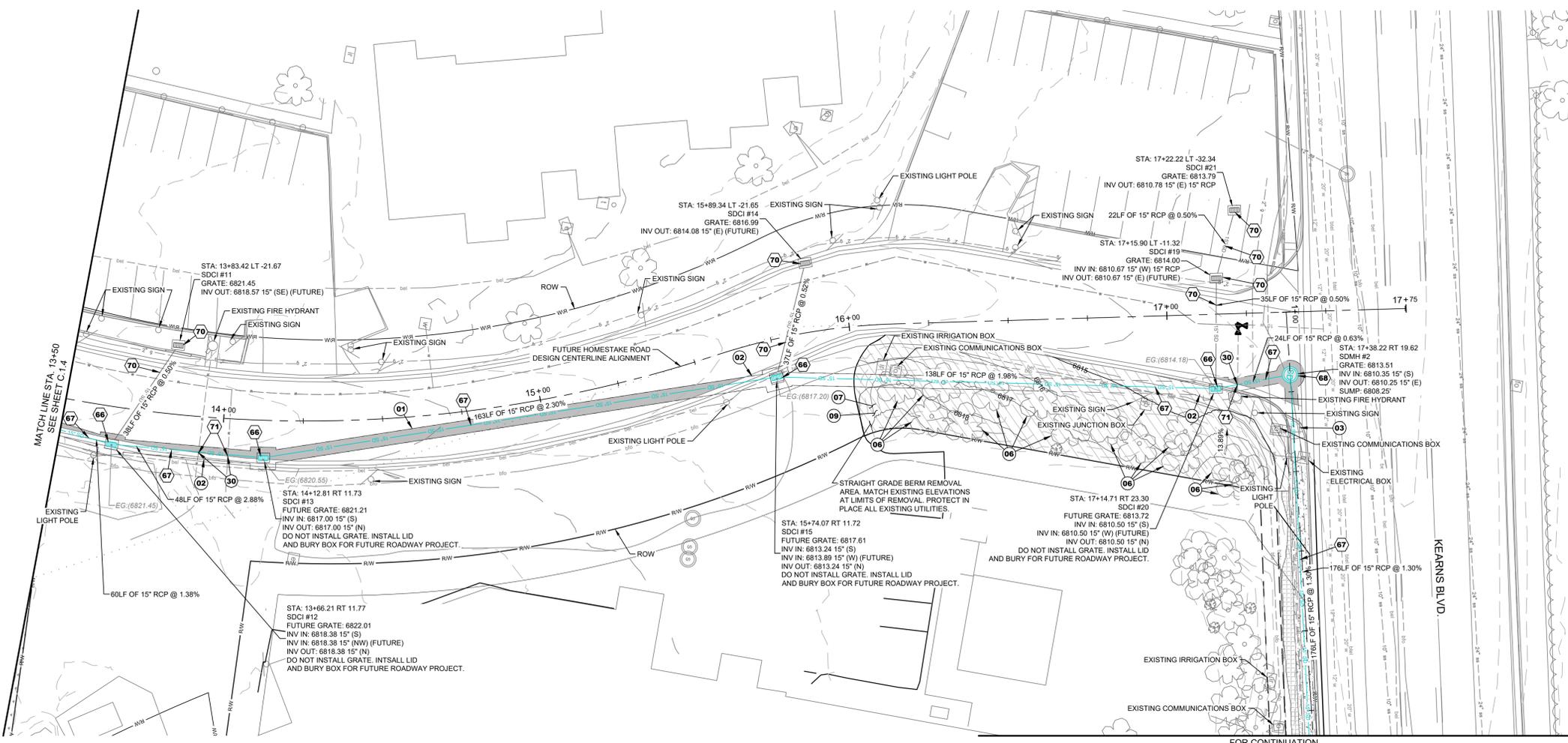
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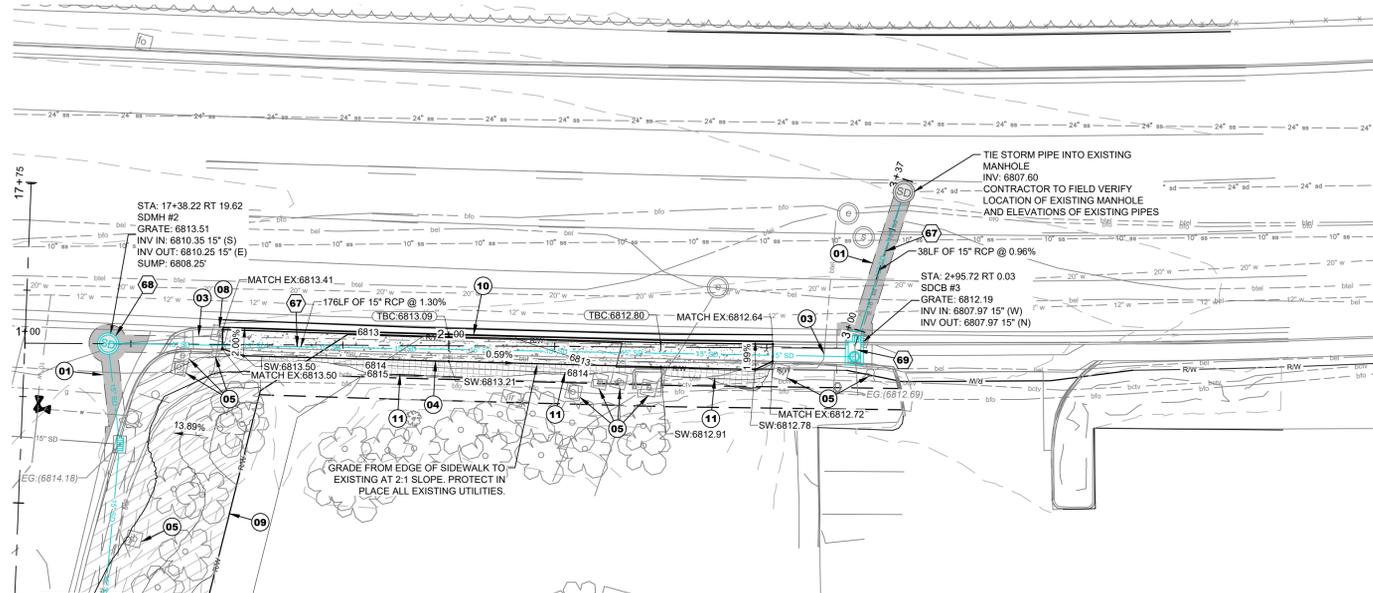
HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
PLAN & PROFILE

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HOMESTAKE ROAD PROFILE
 13+50.00 TO 17+75.00



FOR CONTINUATION
SEE SHEET C.1.5

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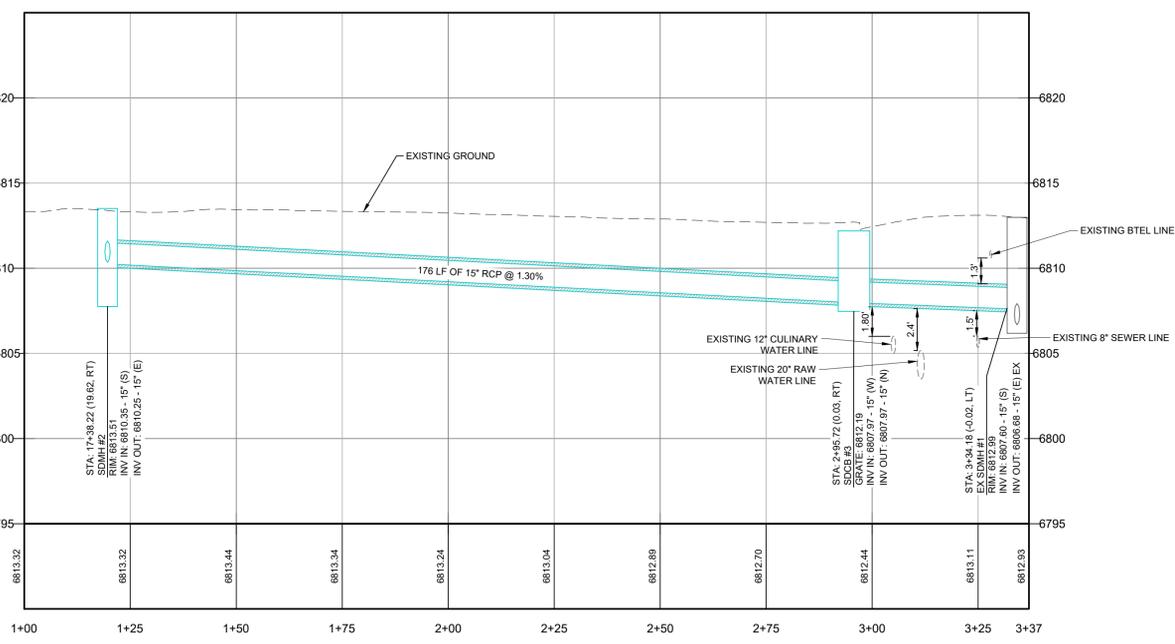
WARNING
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DRAWING INFO		REVISIONS	
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SR-248 STORM PROFILE
1+00.00 to 3+37.00

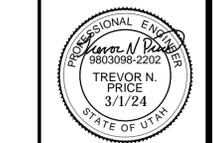
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 - UTILITY CROSSING ON THIS SHEET ARE SHOWN BASED ON THE MOST CURRENT DATA AVAILABLE. EXACT DEPTHS ARE NOT GUARANTEED. IT IS RECOMMENDED THAT THE CONTRACTOR POTHOLE FOR UTILITIES PRIOR TO BEGINNING WORK TO VERIFY LOCATIONS AND DEPTHS. IF DISCREPANCIES OCCUR, NOTIFY ENGINEER.
 - IF THE CONTRACTOR DECIDES TO PROCEED WITHOUT POTHOLING AND DELAYS OCCUR DUE TO VARYING UTILITY LOCATIONS AND DEPTHS, THESE DELAYS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT OR DAYS SHALL BE ADDED TO THE CONTRACT. CONTRACTOR WILL BE REQUIRED TO MAINTAIN FLOW OF TRAFFIC AND TRAFFIC CONTROL PER UDOT STANDARDS WHILE ALTERNATIVES ARE DISCUSSED.
 - CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL FRANCHISE UTILITY COMPANIES PRIOR TO ANY WORK IN THE VICINITY OF KNOW UTILITIES.

HOMESTAKE ROAD STORM DRAIN
 PARK CITY, UTAH
PLAN & PROFILE

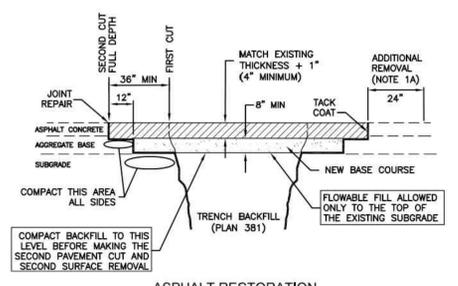
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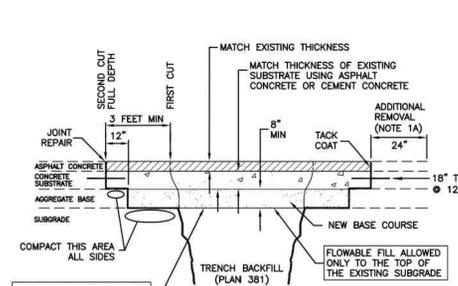
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2		DS	DRAWN
3		ZS	CHECKED
4		UT-7970-23	PROJECT



DEEP EXCAVATION
 (MORE THAN 48 INCHES FROM PAVEMENT SURFACE TO BOTTOM OF EXCAVATION)



ASPHALT RESTORATION

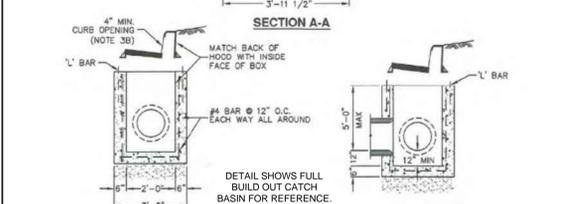
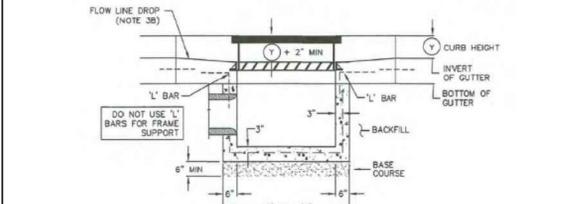
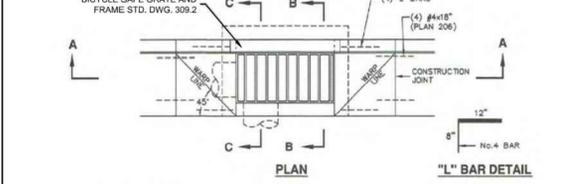


COMPOSITE RESTORATION



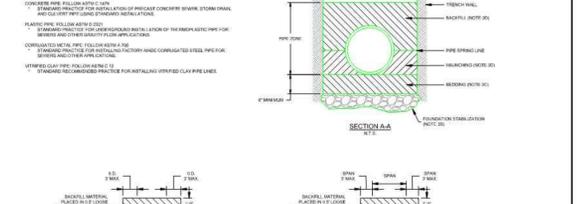
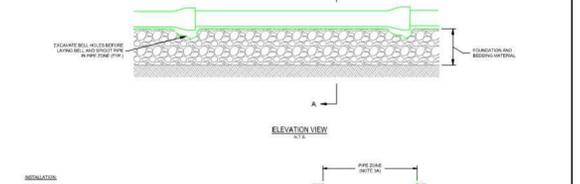
Asphalt concrete T-patch

SINGLE GRADE



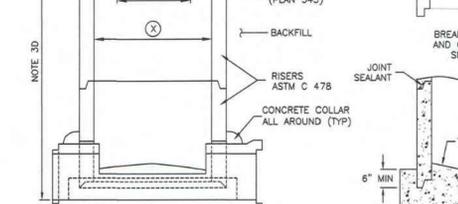
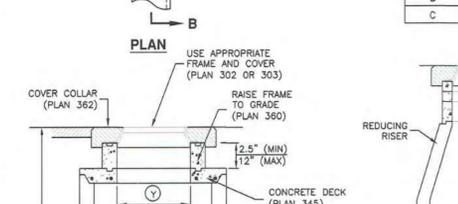
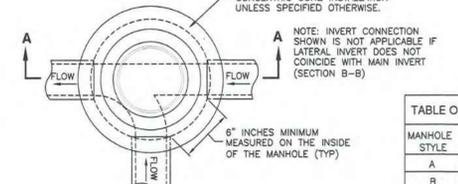
PARK CITY	DATE	3/2020	STD. PLAN
	REV.		315.1
		SINGLE GRADE CATCH BASIN	

CULVERT COMPACTION AND BACKFILL



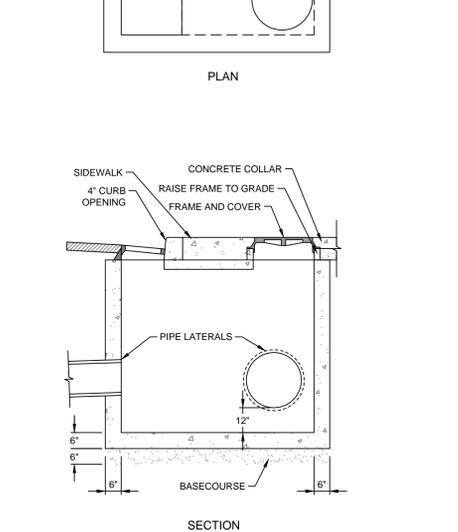
PARK CITY	DATE	8/2020	STD. PLAN
	REV.		383
		CULVERT COMPACTION AND BACKFILL	

PIPE PASS THROUGH BASE



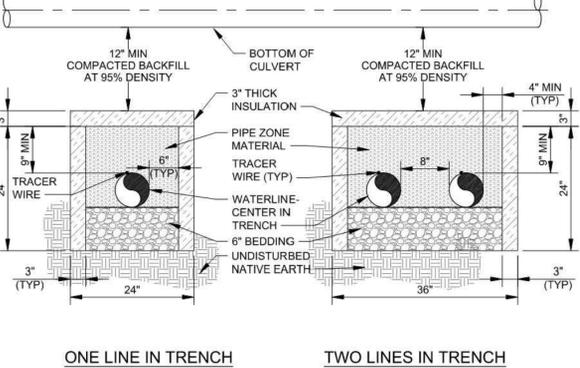
PARK CITY	DATE	3/1/2024	STD. PLAN
	REV.		341.2
		PIPE PASS THROUGH BASE	

COMBINATION BOX



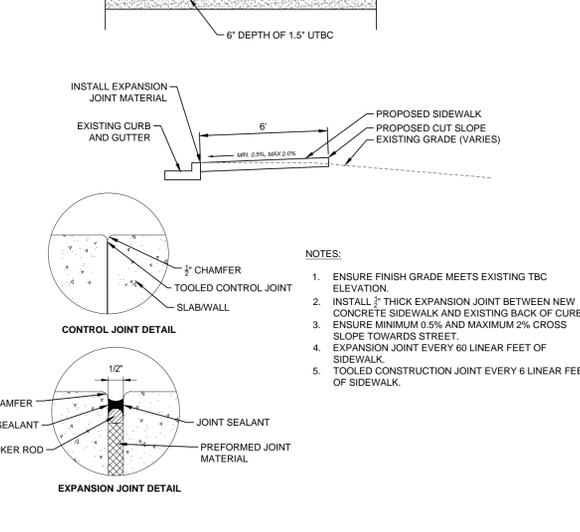
PARK CITY	DATE	3/2014	STD. PLAN
	REV.	0	546
		PIPE INSULATION AT STORM DRAIN CROSSINGS	

PIPE INSULATION AT STORM DRAIN CROSSINGS



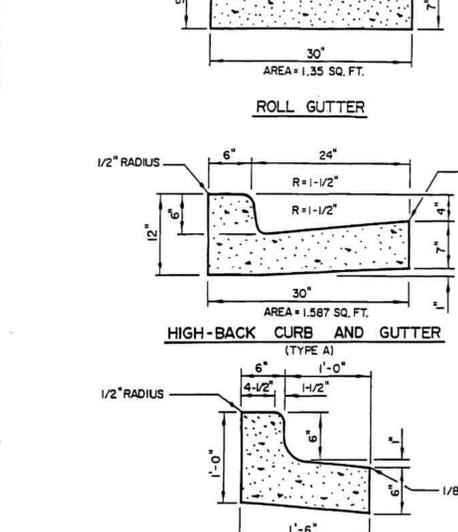
PARK CITY	DATE	3/2014	STD. PLAN
	REV.	0	546
		PIPE INSULATION AT STORM DRAIN CROSSINGS	

CONCRETE SIDEWALK



PARK CITY	DATE	3/2014	STD. PLAN
	REV.	0	546
		PIPE INSULATION AT STORM DRAIN CROSSINGS	

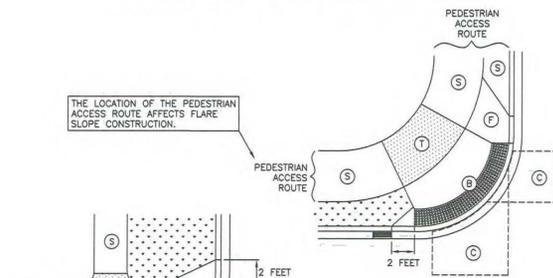
CURB AND GUTTER DETAILS



PARK CITY	DATE	3/2014	STD. PLAN
	REV.	0	546
		PIPE INSULATION AT STORM DRAIN CROSSINGS	

HOMESTAKE ROAD STORM DRAIN DETAILS
 PARK CITY, UTAH

TURNING SPACE AT SIDEWALK LEVEL



EXAMPLE A

ELEMENT	DIMENSION
(R) (B)	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

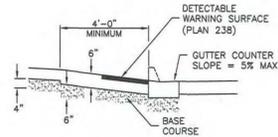
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	2	2
CURB RAMP (R)	8.33	2 (c)
BLENDED TRANSITION (B)	5	2 (c)
CLEAR SPACE (C)	5	2 (c)
SIDEWALK (S)	STREET GRADE	2
FLARE (F)	10	--

- (a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
- (b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL
- (c) SLOPE MAY EQUAL STREET OR HIGHWAY GRADE AT CROSSWALKS THAT ARE WITHOUT VEHICULAR YIELD OR STOP CONTROL

EXAMPLE B



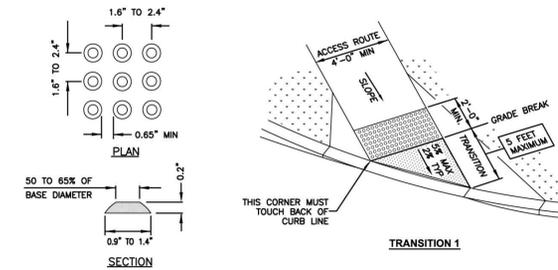
MATERIALS

SLOPE TABLE

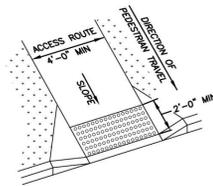


Corner curb cut assembly

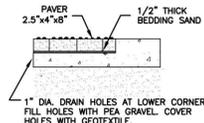
Plan **235.1**
September 2011



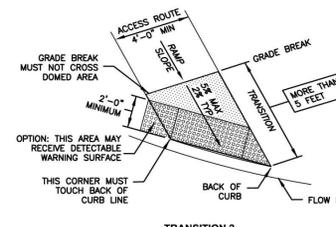
TRUNCATED DOME DETAIL



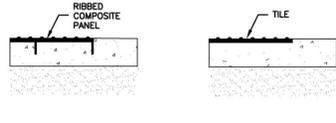
PERPENDICULAR ASSEMBLY



STYLE P



NON-PERPENDICULAR ASSEMBLY



STYLE R

STYLE T

Detectable warning surface

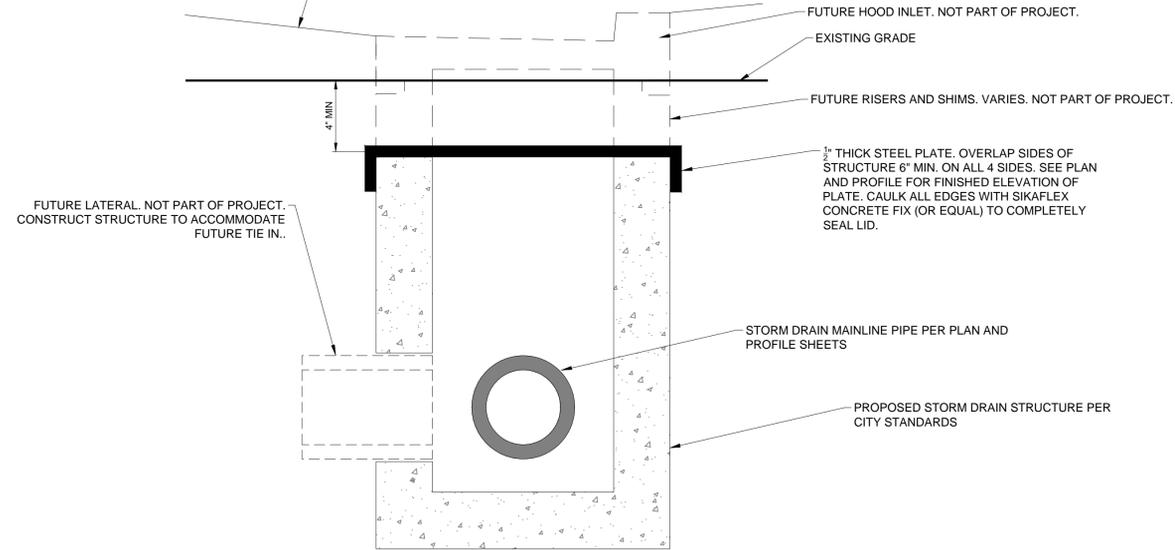
July 2011

79

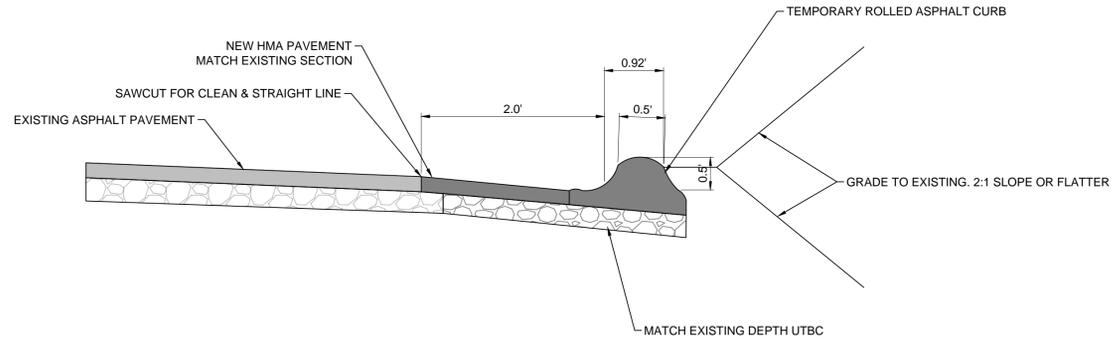
Plan **238**

NOTES:

- DETAIL IS SCHEMATIC IN NATURE. EXISTING GRADE MAY BE HIGHER THAN FUTURE GRADE IN SOME LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING MINIMUM BURY DEPTHS IN ALL LOCATIONS.
- DETAIL SHOWS A STANDARD CATCH BASIN. A MODIFIED APPROACH WILL BE REQUIRED FOR MANHOLE IN LOCATIONS NOTED ON PLANS.
- CONTRACTOR MAY ELECT TO USE A TEMPORARY PRECAST LID IN LIEU OF A STEEL PLATE. IF A PRECAST LID IS USED, IT MUST RECESS INTO THE STRUCTURE OR OVERLAP THE OUTER PERIMETER TO PREVENT MOVEMENT. ALL JOINTS MUST BE GROUTED AND SEALED.



3 STORM DRAIN STRUCTURE SUPPLEMENTARY DETAIL
SCALE: NTS



4 TEMPORARY ASPHALT CURB
SCALE: NTS

HORROCKS ENGINEERS
4905 South 1500 West, Suite 100
Riverdale, UT 84405
(801) 621-1025
www.horrocks.com

WARNING
IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE

REVISIONS	REV #	DATE
DRAWING INFO	3/1/2024	
DESIGNED	DS	
DRAWN	DS	
CHECKED	ZS	
PROJECT	UT-1970-23	

PROFESSIONAL ENGINEER
TREVOR N. PRICE
3/1/24
STATE OF UTAH

HOMESTAKE ROAD STORM DRAIN
PARK CITY, UTAH
DETAILS

C.2.1