



# SNOWBASIN RESORT

**CANYON RIM** 

PARKING LOT IMPROVEMENT PROJECT





PROJECT SITE

**VICINITY MAP** 

snowbasin A SUN VALLEY RESORT

> JOHN LOOMIS, GENERAL MANAGER 3925 EAST SNOWBASIN ROAD HUNTSVILLE, UT 84317 (801)-620-1100

**HORROCKS** ENGINEERS

SHAWN SHULER, P.E., PROJECT MANAGER 4905 SOUTH 1500 WEST, UT 84405 (801)-621-1025

**FOR BIDDING PURPOSES ONLY -NOT FOR CONSTRUCTION** 



**IDAHO** 

**ARIZONA** 

**WYOMING** 

COLORADO

NUMBER OF **SHEET NUMBER DESCRIPTION SHEETS** TITLE/INDEX TO SHEETS 1-A ABBREVIATIONS AND LEGENDS HC-01 HORIZONTAL CONTROL 1 SC-01 SURVEY CONTROL EC-01 **ERSOSION CONTROL** REMOVALS **RMV-01** 1 DETAILS AND TYPICAL SECTION DT-01 1 RD-01 TO RD-02 2 **ROADWAY** 

**INDEX TO SHEETS** 

(SEE SHEET XX-XX) MATCH LINE

MATCHLINE EXISTING BURIED ELECTRICAL LINE EXISTING OVERHEAD ELECTRICAL LINE EXISTING BURIED CABLE TV EXISTING OVERHEAD CABLE TV EXISTING BURIED FIBER OPTIC EXISTING OVERHEAD FIBER OPTIC EXISTING BURIED TELEPHONE **EXISTING OVERHEAD TELEPHONE** EXISTING GAS LINE EXISTING SEWER EXISTING STORM DRAIN EXISTING WATERLINE EXISTING IRRIGATION LINE EXISTING INTERMEDIATE CONTOUR EXISTING INDEX CONTOUR XXXX EXISTING CHAINLINK FENCE EXISTING STOCK FENCE

### **PROPOSED**

PROPOSED BURIED ELECTRICAL LINE PROPOSED OVERHEAD ELECTRICAL LINE PROPOSED BURIED CABLE TV BCTV PROPOSED OVERHEAD CABLE TV PROPOSED BURIED FIBER OPTIC BEO PROPOSED OVERHEAD FIBER OPTION PROPOSED BURIED TELEPHONE - BTFI PROPOSED OVERHEAD TELEPHONE TEL PROPOSED GAS LINE PROPOSED SEWER SS PROPOSED STORM DRAIN SD PROPOSED WATERLINE — w — PROPOSED IRRIGATION LINE

### **SYMBOLS**

### PIPE ABBREVIATIONS

POLYVINYL CHLORIDE PLASTIC PIPE **PVC** RCP REINFORCED CONCRETE PIPE VCP VITRIFIED CLAY PIPE CIP CAST IRON PIPE HDPF HIGH DENSITY POLYETHYLENE DIP DUCTILE IRON PIPE CMP CORRUGATED METAL PIPE CORRUGATED POLYETHYLENE PIPE POLY POLYETHYLENE PIPE

**NOTES** 

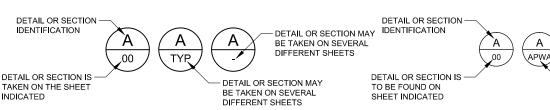
### **GENERAL NOTES:**

- 1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE APWA MANUAL OF STANDARD SPECIFICATIONS AND MANUAL OF STANDARD PLANS, THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY APPLICABLE LOCAL. STATE AND FEDERAL REGULATIONS AND PERMIT REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO HAVE A COPY OF THE REQUIRED SPECIFICATIONS AND PLANS AND TO KNOW AND CONFORM TO THE APPROPRIATE CODES REGULATIONS, DRAWINGS, STANDARDS AND SPECIFICATIONS.
- 2. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST BE APPROVED, IN WRITING AND IN ADVANCE, BY OWNER AND ENGINEER.
- 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK AND SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR AMBIGUITIES.
- 4. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH BLUE STAKES FOR LOCATIONS OF UTILITIES. PRIOR TO BEGINNING WORK AT (800) 662-4111
- 5. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, SURVEY MONUMENTS AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF OWNER, ENGINEER AND/OR OWNING UTILITY COMPANY AT CONTRACTOR'S EXPENSE
- 6. WATER FOR CONSTRUCTION IS ANTICIPATED TO BE AVAILABLE FROM THE HYDRANT LOCATED AT THE ENTRANCE TO THE PARKINGS AREAS TO BE IMPROVED. CONTACT LANCE ROYLANCE, SNOWBASIN RESORT OPERATIONS, AT (801) 622-1100
- 7. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
- 8. ANY SURVEY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER WEBER COUNTY SURVEYOR REQUIREMENTS
- 9. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
- 10. CONTRACTOR IS RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE.
- 11. A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES AS PER STATE LAW AS WELL AS PROVIDING A STORM WATER POLLUTION PREVENTION PLAN TO THE COUNTY.
- 12. ASPHALT PAVING BETWEEN OCTOBER 15 AND MARCH 15 WILL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM OWNER AND ENGINEER

#### **GRADING NOTES:**

- 1. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER IF ANY UNFORESEEN CONDITIONS ARE ENCOUNTERED.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- 3. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- 4. CONTRACTOR SHALL MAINTAIN STREETS, SIDEWALKS AND ALL OTHER PRIVATE AND PUBLIC AREAS IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT

## **DETAIL REFERENCE**



CITY STANDARDS Α cs

DETAIL OR SECTION IS TO BE FOUND ON THE SAME SHEET DETAIL OR SECTION IS TO

DETAIL OR SECTION IS TO

BE FOUND IN THE CLIENTS

BE FOUND IN THE 2007

IN TITLE

AS REFERENCE

### SNOWBASIN RESORT

ABBREVIATIONS AND LEGEND

**ABBREVIATIONS** ASPHALT CONCRETE PAVEMENT AC **BUTTERFLY VALVE** BLDG. CI CAST IRON CENTER LINE € CLR CLEAR CLEANOUT CO COM COMPRESSION FITTING CONC CONCRETE CONST CONSTRUCT COPPER TUBE STEEL CTS C.Y. CUBIC YARD DEPTH OF FLOW DIAMETER OF PIPE DWG DRAWING DIA DIAMETER DIM. DIMENSION DIP DUCTILE IRON PIPE FAST FACH **ELEVATION** EL. ELEV EASEMENT EACH WAY EXIST OR EX **EXISTING** FEMALE IRON PIPE FITTING FINISHED GRADE FG FORCE MAIN FIBERGLASS REINFORCED PLASTIC FLOW LINE FLANGE FITTING FL, FLG FLANGE END FOOT FEET PER SECOND G۷ GATE VALVE HORIZ HORIZONTAL INSIDE DIAMETER ID " IN INCH(ES) ÍNV INVERT MAX MAXIMUM MILLION GALLONS PER DAY MGD MALE IRON PIPE FITTING MIP МН MANHOLE MFRS MANUFACTURERS MJ MERITANTEACTION FACTIONS NOT APPLICABLE N/A #. NO NUMBER NT'D NOTED NOT TO SCALE PERM PERMANENT ОС ON CENTER OD OUTSIDE DIAMETER ОН OVERHEAD PROPERTY LINE PVC POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION
PUBLIC WORKS DEPARTMENT PVI PWD RATE OF FLOW REINF REINFORCEMENT, REINFORCING REQD REQUIRED

RES RESERVOIR RFV REVISION RT RIGHT R/W RIGHT OF WAY

SOUTH, SLOPE ST STL STAINLESS STEEL STD STANDARD STA STATION T.B. THRUST BLOCK TOP OF ASPHALT GRADE

TEMP **TEMPORARY** TEMPORARY BENCH MARK TBM TYP TYPICAL UBC UNTREATED BASE COURSE

UNO UNLESS NOTED OTHERWISE **UNDERGROUND** 

UG VELOCITY VERTICAL

VERT WEST

HORROCKS ENGINEERS

(801) 621-1025 www.horrocks.con

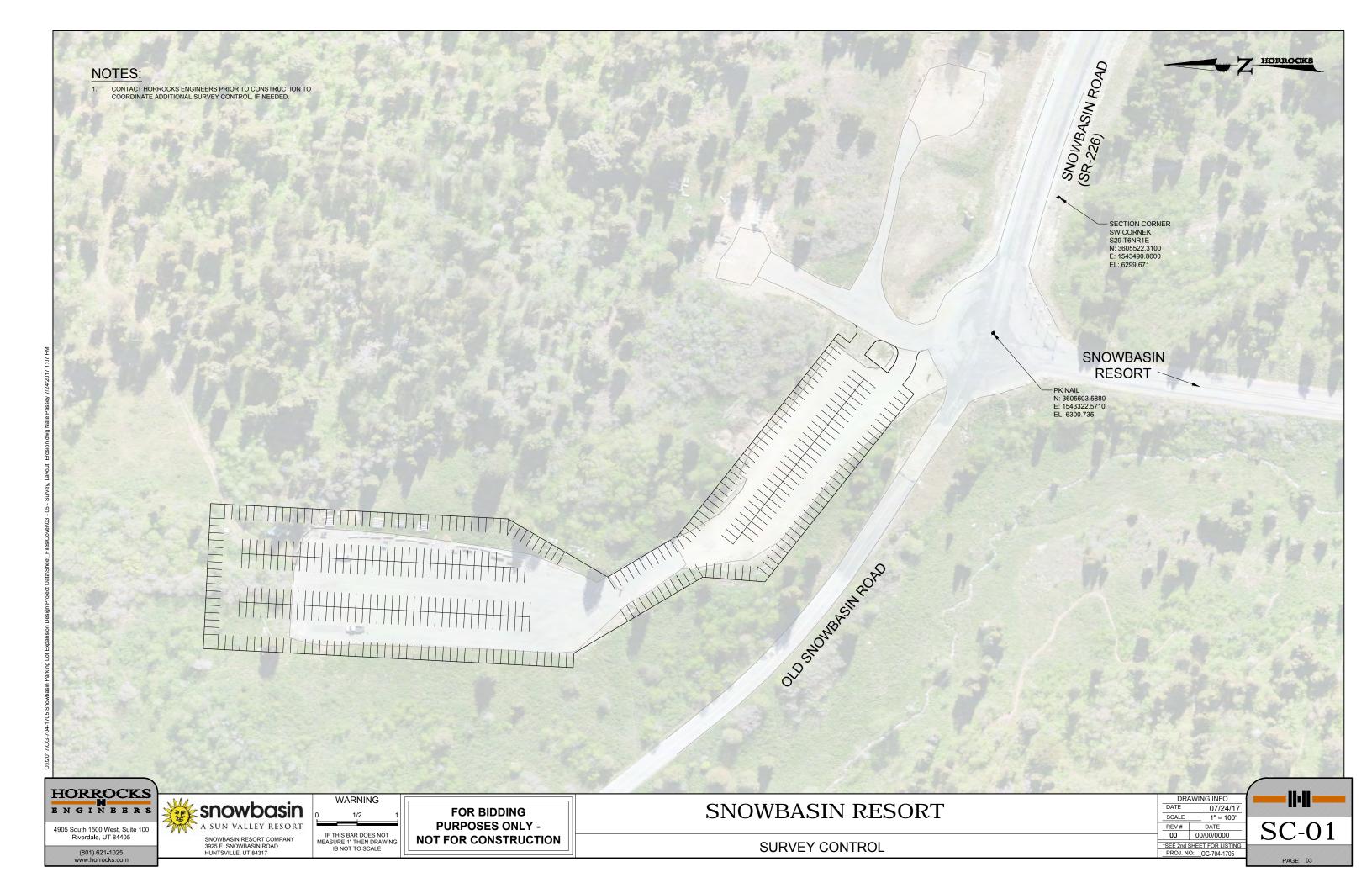
snowbasin A SUN VALLEY RESORT 4905 South 1500 West, Suite 100 Riverdale, UT 84405 SNOWBASIN RESORT COMPANY 3925 E. SNOWBASIN ROAD HUNTSVILLE, UT 84317

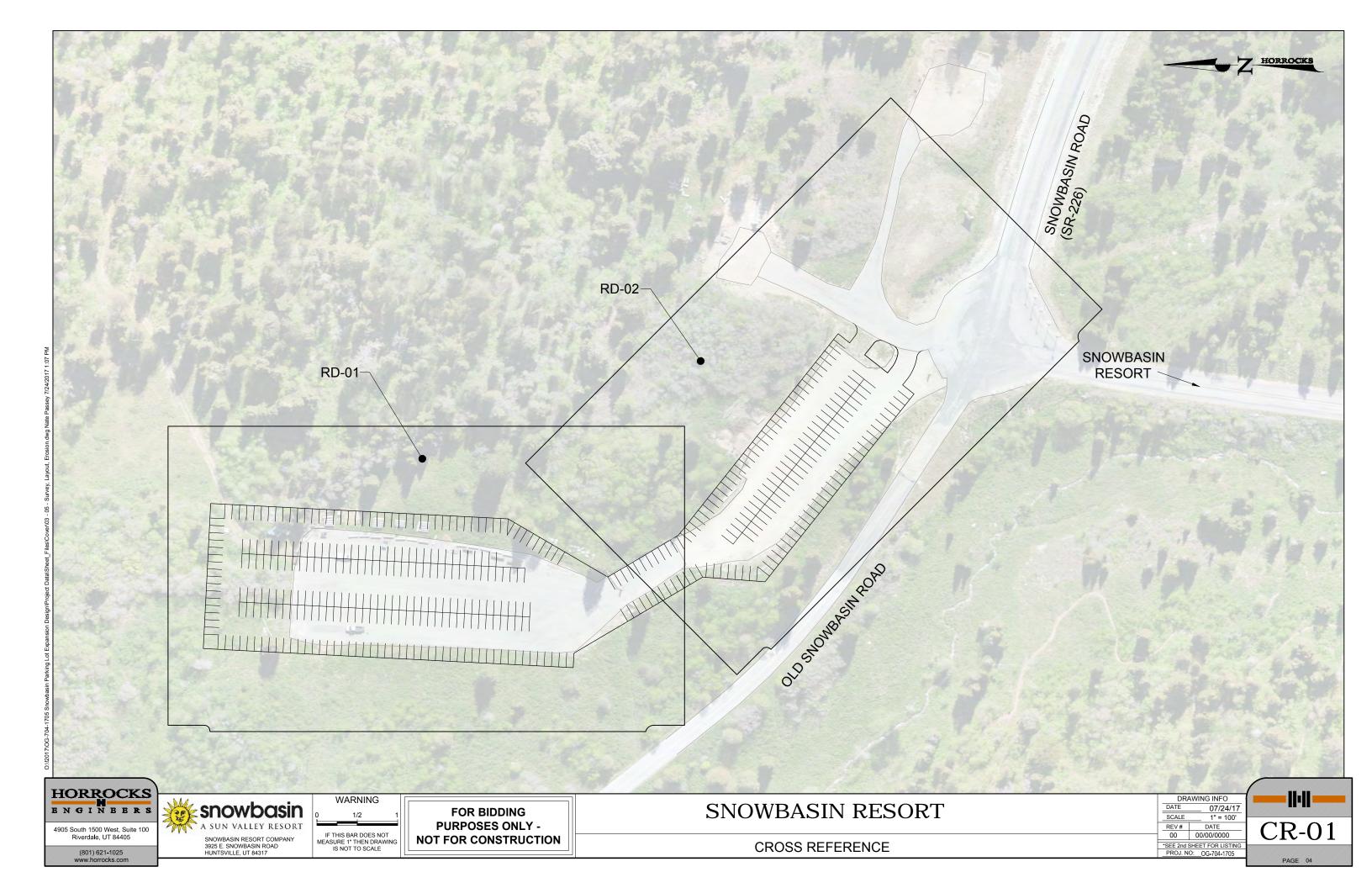
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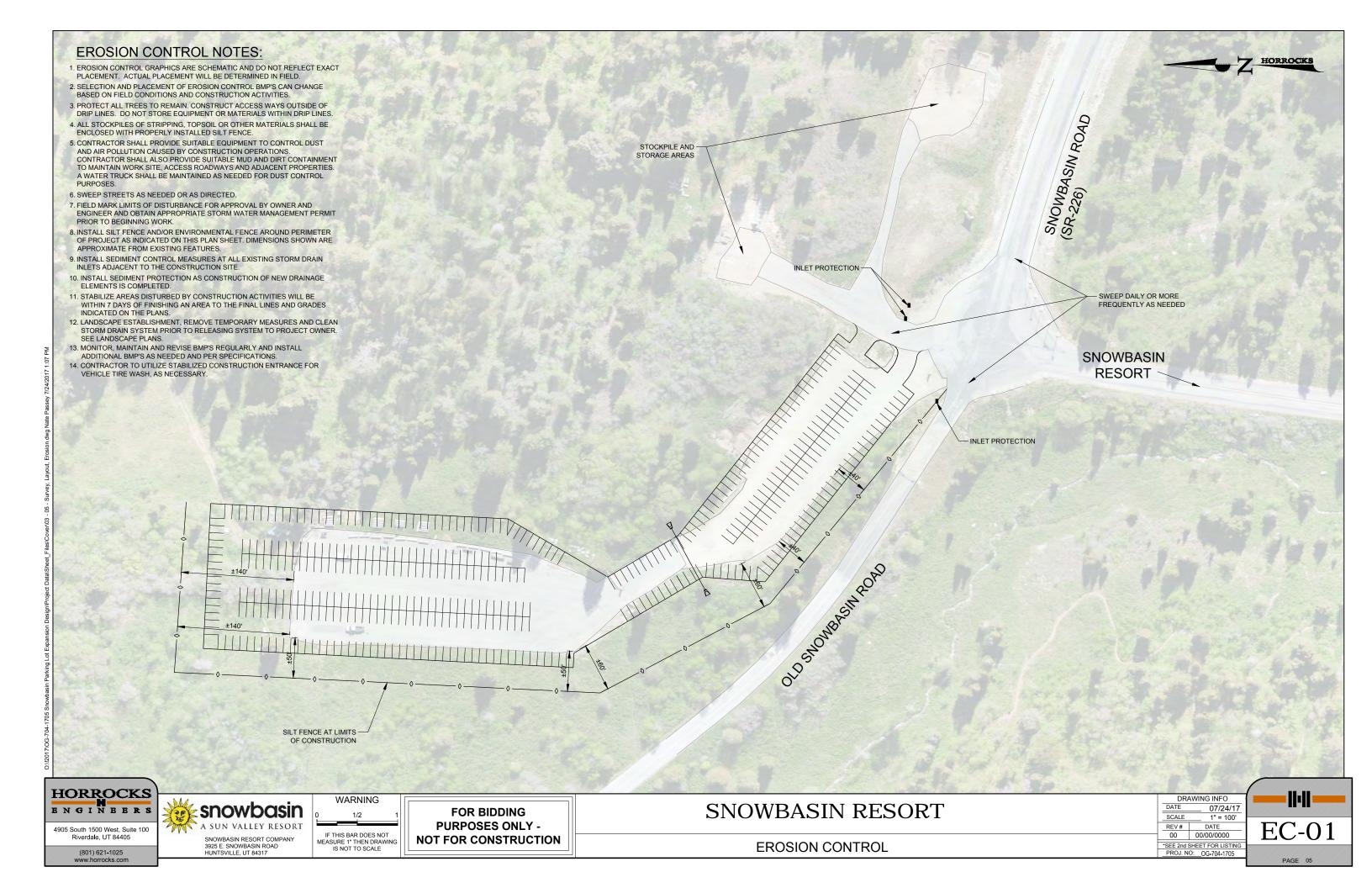
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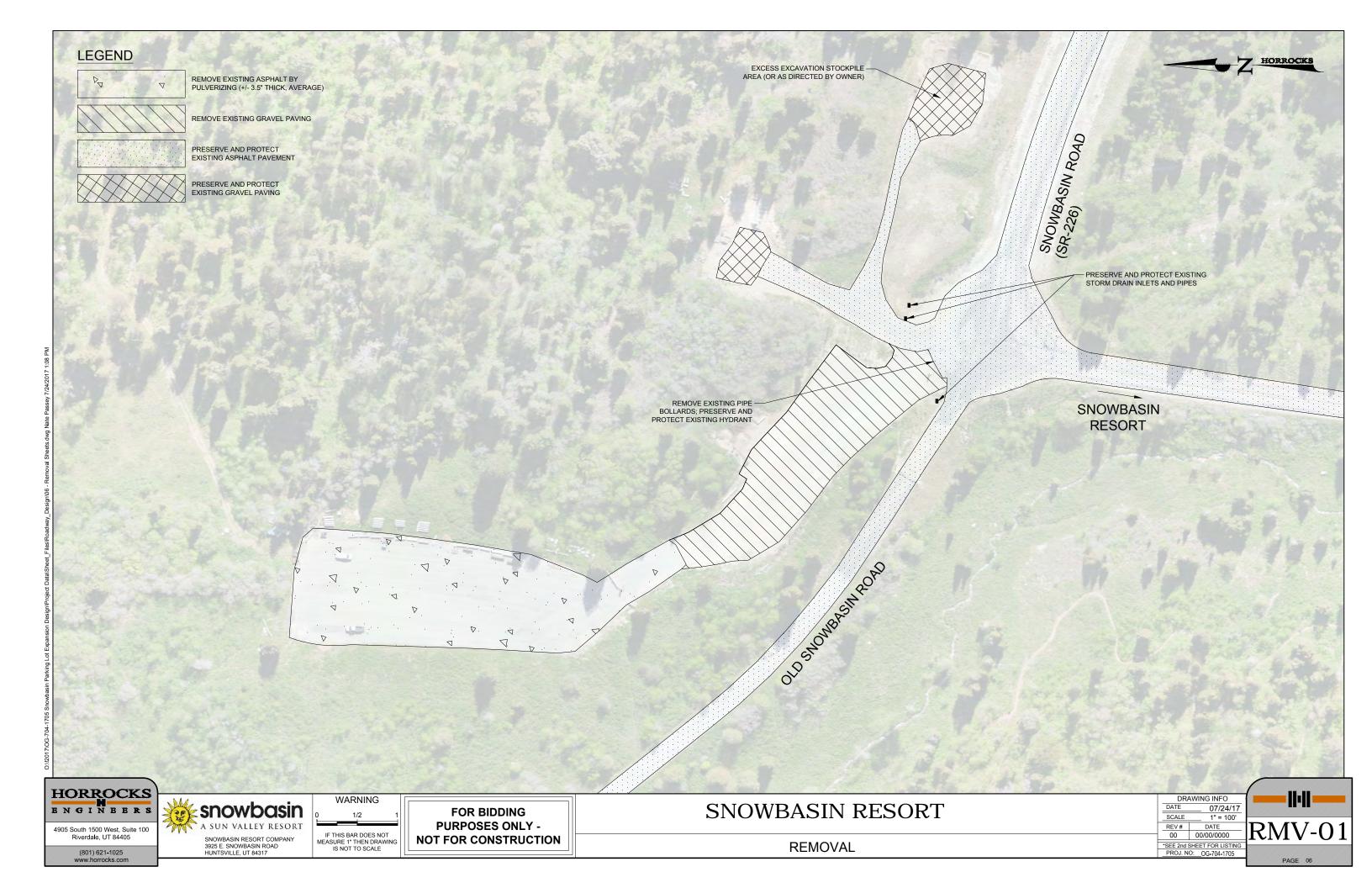
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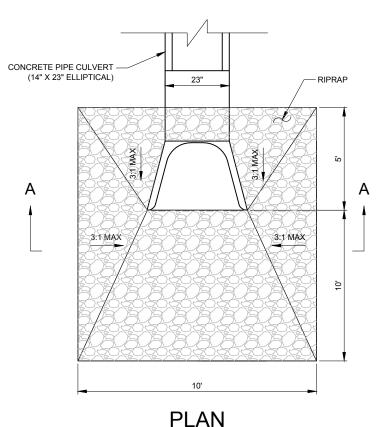
DRAWING INFO DATE 07/24/17 SCALE NA REV# DATE 00 00/00/0000 \*SEE 2nd SHEET FOR LISTING PROJ. NO: OG-704-1705









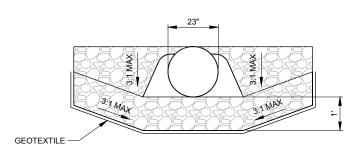


APRON AT END OF END SECTION

RIPRAP CHANNEL LINING

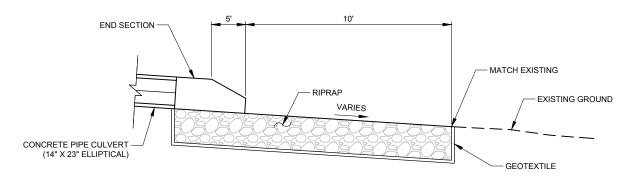
#### NOTES:

- RIPRAP PER APWA SECTION 31 37 00. RIPRAP GRADATION: D¬¬50¬¬ = 6".
- GEOTEXTILE PER APWA SECTION 31 05 1.
- GEOTEXTILE MATERIAL: EROSION CONTROL, CLASS B, NONWOVEN.



**SECTION A-A** 

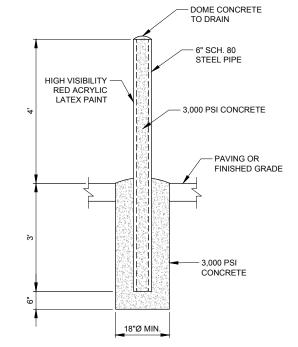
**OUTFALL RIPRAP** 



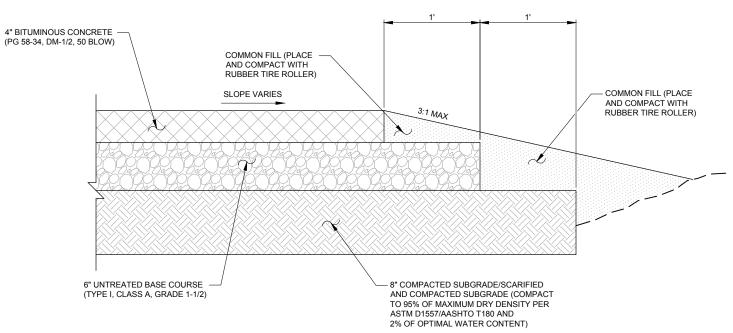
### **PROFILE**

### NOTES:

- RIPRAP PER APWA SECTION 31 37 00.
- RIPRAP GRADATION: D<sub>50</sub> = 6". GEOTEXTILE PER APWA SECTION 31 05 19.
- GEOTEXTILE MATERIAL: EROSION CONTROL, CLASS B, NONWOVEN.
- SHAPE RIPRAP TO SPREAD FLOW AT BOTTOM OF APRON.



PIPE BOLLARD DETAIL



TYPICAL PAVEMENT SECTION



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**ROADWAY DETAILS** 

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DT-01

