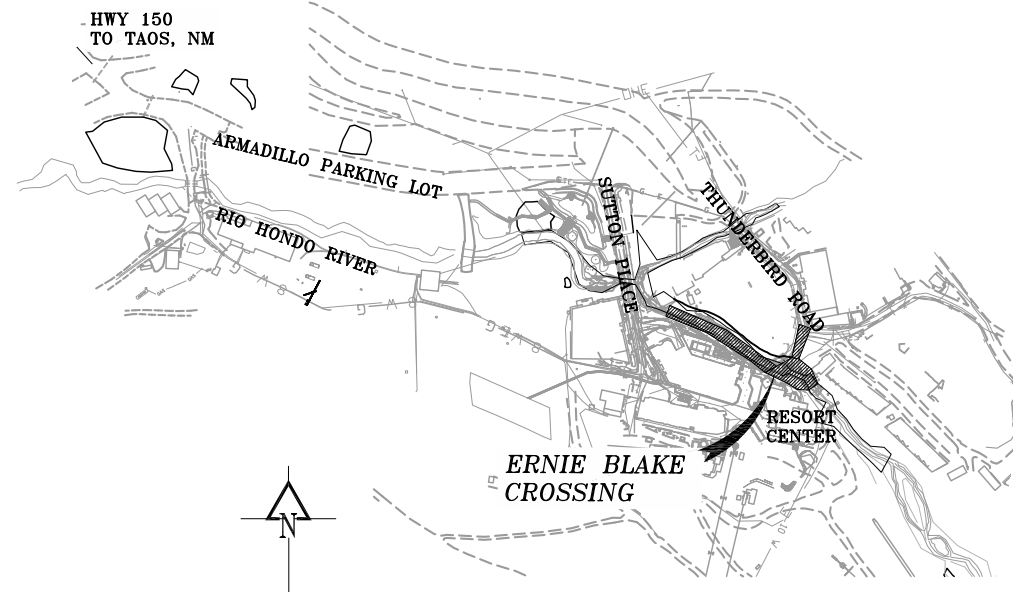


SHEET NUMBER	SHEET TITLE
C-001	PROJECT DATA SHEET
C-101	SITE PLAN
C-102	GAS LINE PLAN AND PROFILE
C-103	ERNIE BLAKE CROSSING PLAN AND PROFILE
C-104	GRADING PLAN
C-105	SECTION A-A
C-106	SECTION B-B
C-107	SECTION C-C
C-108	SECTION D-D
C-109	SECTION E-E
C-110	SECTION F-F
C-111	FLOW LINE PROFILES

# TAOS SKI VALLEY TAOS COUNTY, NEW MEXICO 2019 ERNIE BLAKE CROSSING



### RECORD DRAWINGS

- THIS RECORD DRAWING IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT BASED ON INFORMATION PROVIDED BY OTHERS TO DATE.
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  - SURVEY INFORMATION PROVIDED BY RED TAIL SURVEYING, INC.
  - SITE OBSERVATIONS FROM 2017 TO 2020 DURING CONSTRUCTION.
  - DISCUSSIONS WITH ROBINS CONSTRUCTION AND BRADBURY STAMM CONSTRUCTION AND THEIR SUBCONTRACTORS.

ALL SURVEY AND COORDINATE  
INFORMATION CONTAINED IN THESE  
PLANS IS BASED ON THE 2015 DATUM  
PROVIDED BY RED TAIL SURVEYING, INC.

### General Notes:

- 1) These plans, Army Corps of Engineers (ACOE), Village of Taos Ski Valley (VTSV), the New Mexico Standard Specifications for Public Works Construction and New Mexico Department of Transportation (NMDOT), including details and technical specifications shall be the governing documents for construction activities relating to this project. When conflicts exist, the most stringent shall prevail followed by the governing documents in the above order of priority. Field conditions may exist that require changes to drawings. If such conditions are encountered, the governing documents shall prevail in the above order of priority.
- 2) The contractor is responsible for obtaining all required permits prior to the commencement of any work on the project.
- 3) An Excavation Permit for Work in the Public Ways shall be obtained prior to commencement of work within the public right-of-way (R.O.W).
- 4) The contractor shall be responsible for notifying the owner/developer of any problems in conforming to the approved plans for any element of the proposed improvements prior to its construction.
- 5) Taos Ski Valley Inc (TSV) or it's designated representative shall be responsible during construction activities to resolve construction problems due to changed conditions or design errors encountered by the contractor during the progress of any portion of the proposed work. If the modifications proposed by ACOE, TSV, VTSV or the engineer to the approved plans involve changes to the character of the work or to future contiguous public or private improvements, the engineer shall be responsible for submitting revised plans to the appropriate agencies, including the Edelweiss Lodge, Sierra del Sol, and Spa's HOA, for approval prior to any further construction related to that portion of the work. Any improvements not constructed in accordance with the approved plans or the approved revised plans shall be removed and the improvements shall be reconstructed according to the approved plans.
- 6) The contractor shall contact the appropriate agencies for location of underground gas, electric, telephone, water and sewer utilities at least 48 hours prior to commencement of construction.
- 7) The contractor shall be responsible for providing a copy of RECORD DRAWINGS to the ACOE, VTSV, and Engineer prior to final acceptance of work.
- 8) The contractor shall notify the appropriate parties at least 48 hours prior to desired inspections.
- 9) The contractor shall reset all Survey Monuments disturbed during construction within 60 days of project completion, specifically including, but not limited to, Monument MC-79.
- 10) The contractor shall be solely and completely responsible for conditions at and adjacent to the job site, including safety of all persons and property during performance of the work. This requirement shall apply continuously and not be limited to normal working hours.
- 11) The duty of the representative for TSV, ACE or Russell Planning & Engineering to conduct construction review of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures in, on, or near the construction site.
- 12) The contractor shall limit staging and stockpiling of materials to TSVI property or the staging areas previously approved by the USFS for construction in 2015 along the bear parking lot, unless otherwise approved by USFS in writing. All debris, trash, slash and excess material shall be immediately removed from the project site and either transported to other TSV property as directed and approved by Owner, or disposed of as required by County Codes and Regulations. No excess material shall be disposed of on USFS property.

- 13) VTSV approval must be obtained prior to stockpiling of material on VTSV R.O.W.'s or other VTSV lands or easements.
- 14) Survey provided by "Red Tail Surveying, Inc."  
301-A Hinde Street Taos, NM 87571. Phone:(575) 758-7441  
BENCHMARK NORTH, N:2038355.62 E:1875614.34 ELEV:9380.77'  
BENCHMARK SOUTH, N:2038022.11 E:1875586.34 ELEV:9391.84'
- 15) The contractor shall provide all lights, signs, barricades, flagmen or other devices necessary to provide for public safety in accordance with the current Manual on Uniform Traffic Control Devices.
- 16) The contractor shall provide ingress and egress to private property adjacent to the work throughout the period of construction and prior to beginning work shall obtain written agreement from the affected property owners impacted by this access.
- 17) Prior to final placement of surface pavement, all underground utility mains shall be installed and service connections stubbed out beyond curb line when allowed by the utility. Service from public utilities and from sanitary sewers shall be made available for each lot in such a manner that will not be necessary to disturb the street pavement, curb, gutter, and sidewalk when connections are made.
- 18) VTSV shall be informed of any modifications to the approved plans and shall review and approve modifications prior to commencement of work.
- 19) Contractor shall follow all BMP's and conditions set forth in the Record of Decision approving these improvements.
- 20) Contractor shall submit dewatering plan for culvert removal and installation for review by the ACE.

### Grading and Drainage Notes:

- 1) It is the Contractor's responsibility to provide all needed equipment and other means of dust abatement and control to avoid wind erosion of excavated material and local nuisance dust to neighboring businesses and residences in the Village and forest visitors accessing local recreation destinations.
- 2) Any settlement or soil accumulations beyond the limits of construction due to grading or erosion shall be repaired immediately by the contractor.
- 3) Any construction debris or mud tracking on adjacent streets, or any other private or public drive shall be removed immediately by the contractor in accordance with the Storm Water Pollution Prevention Plan (SWPPP). The contractor shall immediately fix any excavations or excessive pavement failures caused by the construction and shall properly barricade the site until construction is complete. Failure by the contractor to correct any of the above within 48 hours of written notice by TSV or VTSV shall result in a stop work order and/or do the work and make a claim against the letter of credit for any cost incurred by the agency.
- 4) Areas being disturbed by the grading shall be reseeded with native vegetation or as approved on the development plan or SWPPP to be prepared by GCI.
- 5) A Storm Water Pollution Protection Plan (SWPPP) shall be included as part of grading permit for this project.

### Utility Notes: (where applicable)

- 1) All horizontal dimensions are to the center of pipe.
- 2) Length of pipe called out in plans is the 3D length of the pipe from inner structure wall to inner structure wall.
- 3) Structure coordinates are given at center of structure.
- 4) Pipeline stationing is along the center line of the new pipe.
- 5) The contractor shall have in his possession at all times one (1) signed copy of plans and specifications which have been approved by VTSV.
- 6) The existing sanitary sewer lines shall remain in service during the new sewer line construction.
- 7) All manholes shall be pre-cast concrete with joint gaskets and joint wrap.
- 8) All manhole ring and covers shall be installed with a maximum of 6" of concrete adjustment collars (riser rings).
- 9) The contractor shall backfill the trench up to the existing roadway surface, providing a smooth driving surface. In this manner, the contractor can asphalt pave large sections of trench at one time while still providing a usable roadway.
- 10) The contractor shall inform the construction observer 24 hours in advance when trench will be ready for compaction tests. The owner shall retain a geotechnical testing laboratory to perform all required test. The contractor shall be responsible for the costs of any re-testing required as a result of failed test results. testing shall be performed by the original geo-tech firm.
- 11) Where construction occurs in or across asphalt or concrete pavement, saw cut the pavement for a clean straight edge 6" outside the trench limits to allow clean removal and a good surface for proper patching.
- 12) All pavement saw cuts shall be 90° to one another.
- 13) The contractor shall repair or replace any public or private improvements in kind including but not limited to: residential services, water lines, sewer lines, storm drains, etc., that were removed or damaged during construction.
- 14) The contractor shall relocate street signs temporarily during construction, then replace as required, including t-lock base, metal post, mounting hardware, etc.
- 15) The contractor shall be responsible for protection of all existing asphalt from construction equipment. Damaged asphalt shall be replaced by the contractor at his expense.
- 16) Contractor shall pothole all utility crossing and tie in points prior to construction to verify position and depth in order to check for interference with proposed lines. Conflicts shall be addressed before pipe installation.
- 17) All storm sewer pipe shall be ADS smooth lined corrugated plastic pipe (SLCPP) or engineer-approved equivalent.
- 18) All sanitary sewer mains shall be SDR-11 HDPE.
- 19) All HDPE connections shall be heat fusion-welded.
- 20) Contractor shall video camera all existing sewer lines prior to construction in order to determine locations of all existing sanitary sewer service connections.
- 21) All concrete shall be a minimum rating of 4000 PSI. Where specifications conflict use the more stringent rating.

REVISIONS:  
 A 07/08/2019 UPDATED GEOMETRY AND GRADING  
 A 07/22/2019: ADDITIONAL NOTES AND POINTS FOR INLET GRATES AND BOXES

TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
PROJECT DATA SHEET

**Russell Planning & Engineering, Inc.**  
 Civil Engineering Services  
 934 Main Avenue, Unit C  
 Durango, Colorado 81301  
 Phone: (970) 385-4546  
 Fax: (970) 385-4502

Drawn: JT  
 Drafted: JT  
 Checked: DC

Date of Submittal  
 07/18/2019

1 OF 12

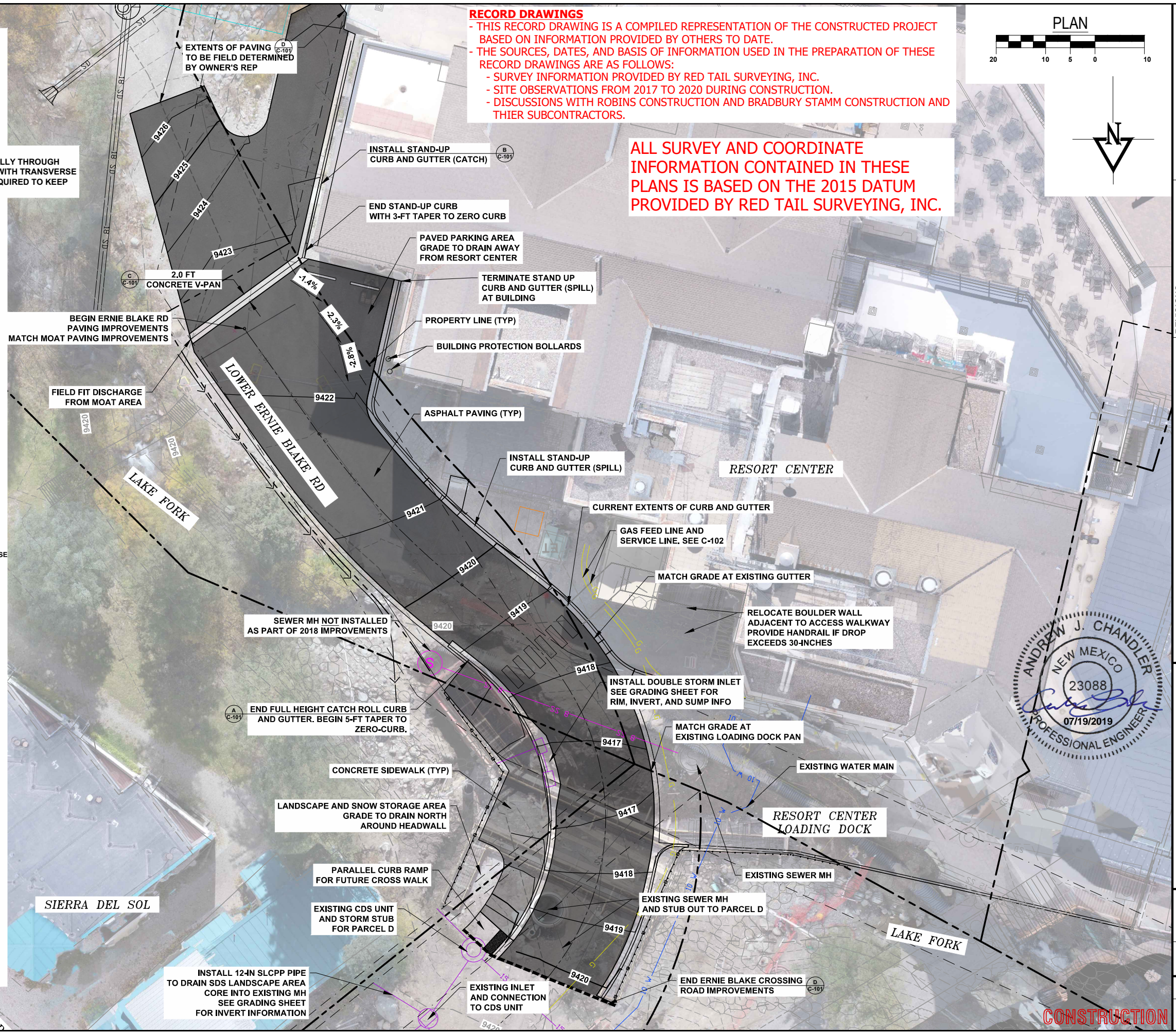
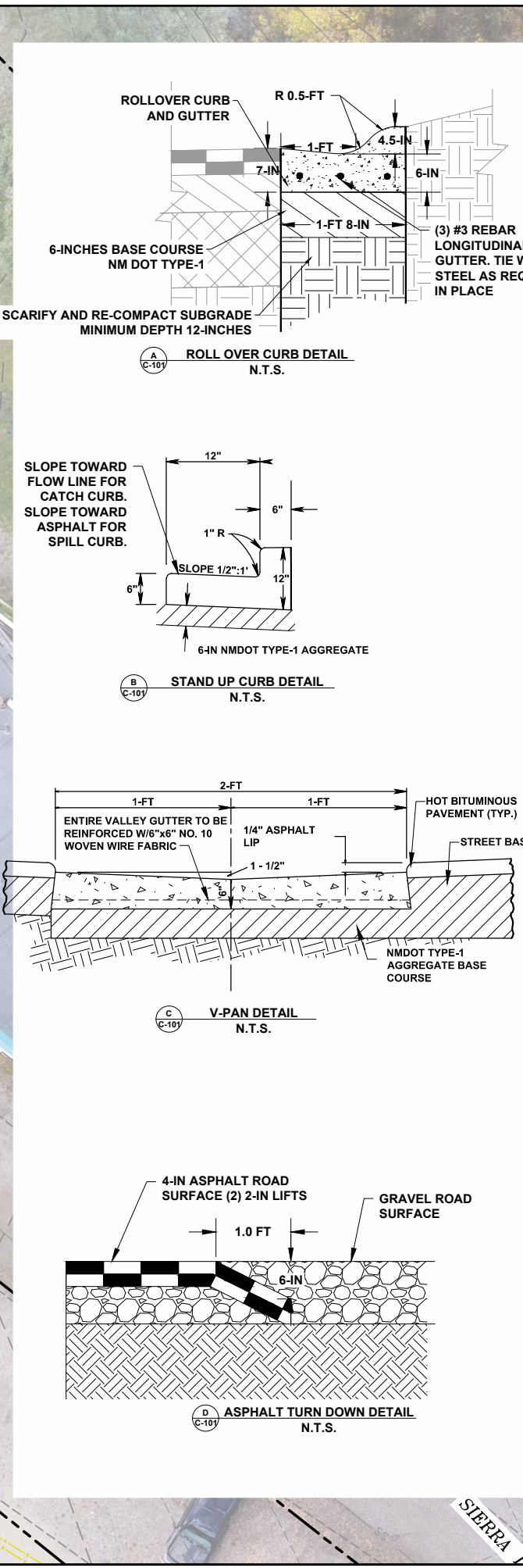
CONSTRUCTION

C-001

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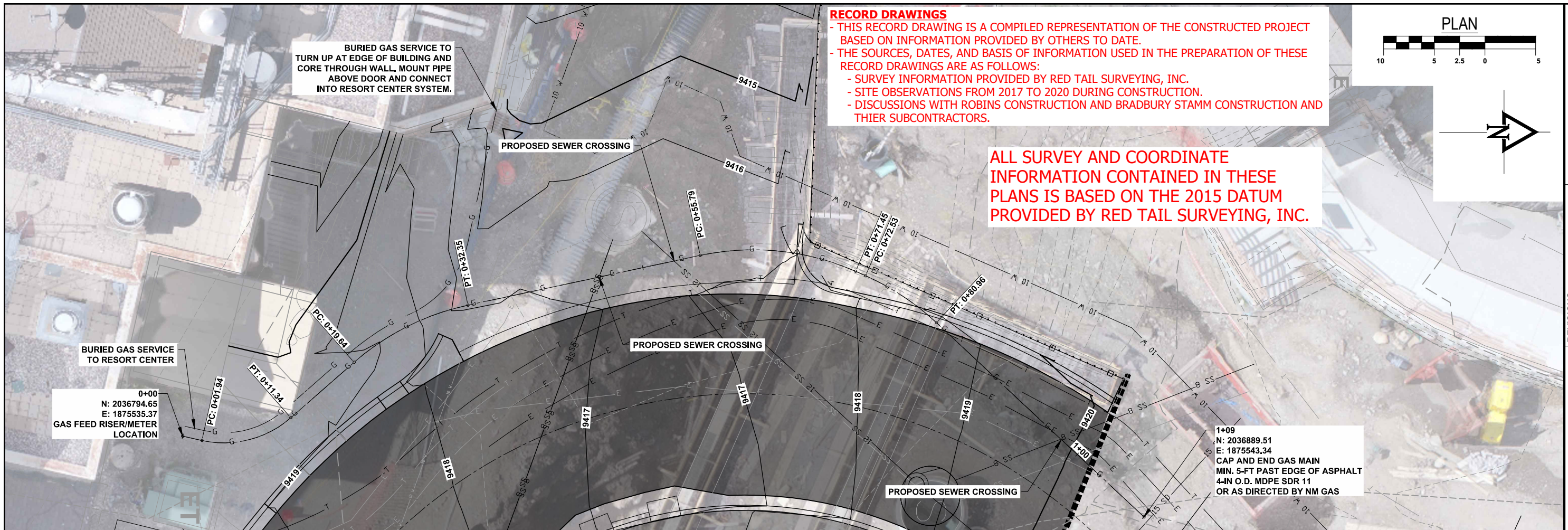
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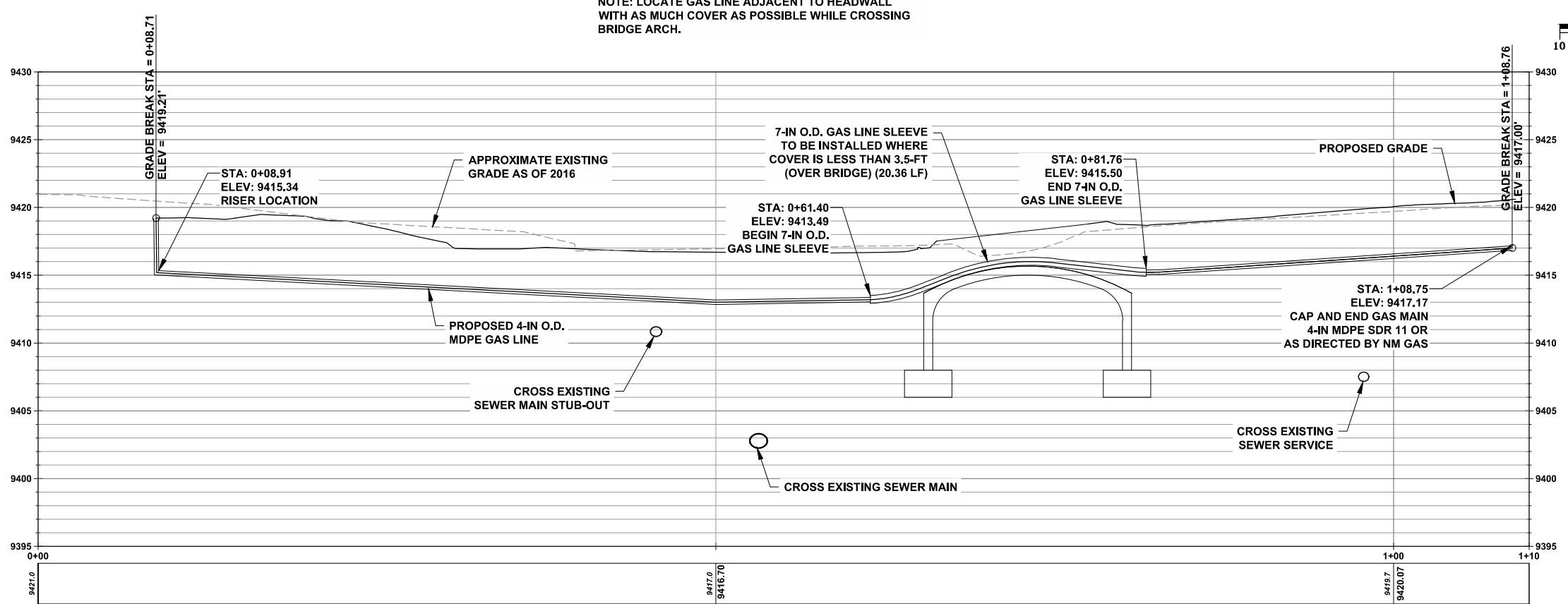
**RECORD DRAWINGS**  
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**ALL SURVEY AND COORDINATE INFORMATION CONTAINED IN THESE PLANS IS BASED ON THE 2015 DATUM PROVIDED BY RED TAIL SURVEYING, INC.**

0+00  
 N: 2036794.65  
 E: 1875535.37  
 GAS FEED RISER/METER LOCATION

1+09  
 N: 2036889.51  
 E: 1875543.34  
 CAP AND END GAS MAIN  
 MIN. 5-FT PAST EDGE OF ASPHALT  
 4-IN O.D. MDPE SDR 11  
 OR AS DIRECTED BY NM GAS

NOTE: LOCATE GAS LINE ADJACENT TO HEADWALL WITH AS MUCH COVER AS POSSIBLE WHILE CROSSING BRIDGE ARCH.



**CONSTRUCTION**

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REVISIONS:

**TAOS SKI VALLEY  
 2019 ERNIE BLAKE CROSSING  
 GAS LINE PLAN AND PROFILE**

Russell Planning & Engineering, Inc.  
 Civil Engineering Services  
 934 Main Avenue, Unit C  
 Durango, Colorado 81301  
 Phone: (970) 385-4546  
 Fax: (970) 385-4502

Drawn: JT  
 Drafted: JT  
 Checked: DC

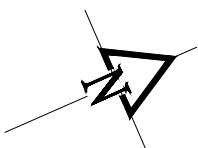
Date of Submittal  
 07/18/2019

3 OF 12

**C-102**

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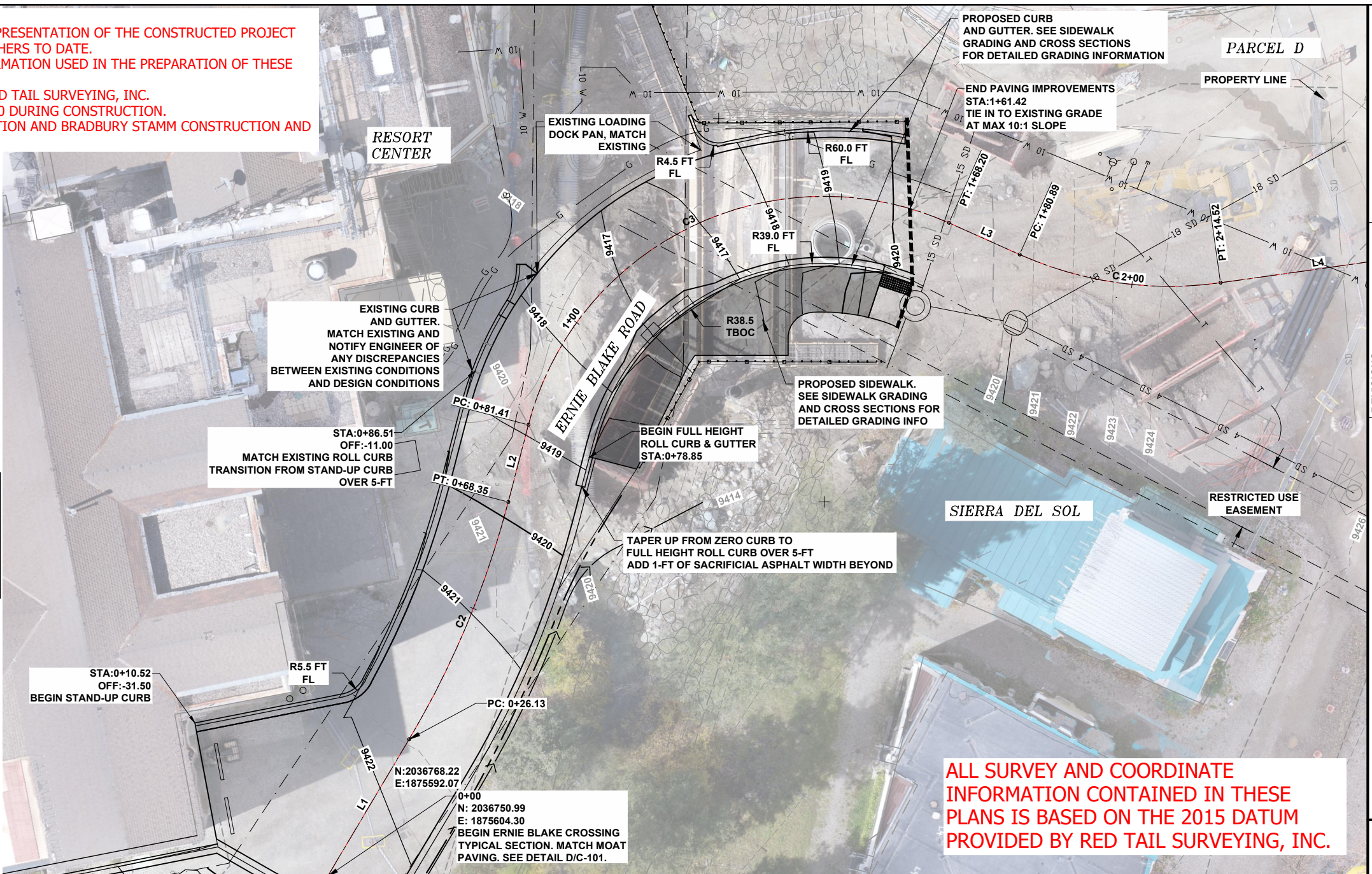
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**Line Table: Alignments**

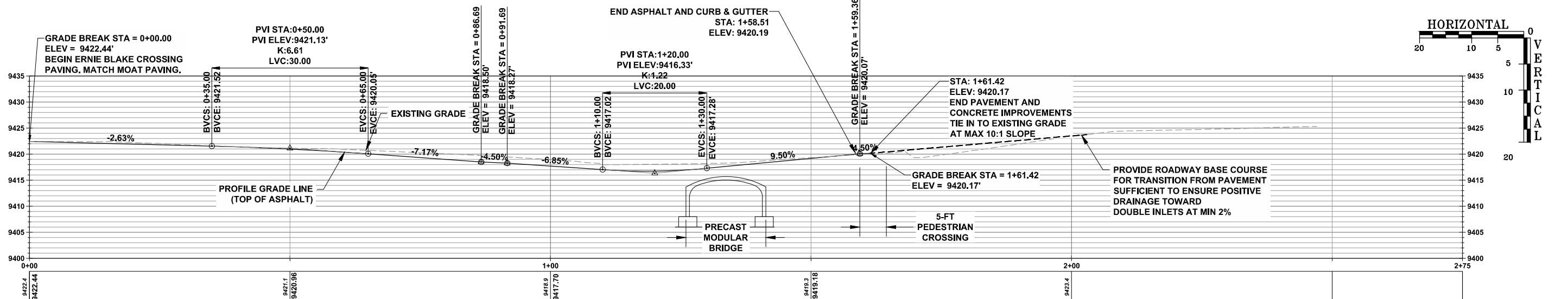
Line #	Length	Direction	Start Point	End Point
L1	26.13	N35° 20' 54.33"W	(2036750.99, 1875604.30)	(2036772.30, 1875589.18)
L2	13.06	N51° 28' 34.63"W	(2036802.87, 1875560.26)	(2036811.01, 1875550.04)
L3	12.69	N47° 59' 04.02"E	(2036887.27, 1875547.72)	(2036895.76, 1875557.14)
L4	32.57	N15° 52' 07.31"E	(2036923.94, 1875574.70)	(2036955.27, 1875583.60)

**Curve Table: Alignments**

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C2	150.00	42.22	N43° 24' 44.48"W	(2036772.30, 1875589.18)	(2036802.87, 1875560.26)
C3	50.00	86.80	N01° 44' 45.31"W	(2036811.01, 1875550.04)	(2036887.27, 1875547.72)
C4	60.00	33.63	N31° 55' 35.66"E	(2036895.76, 1875557.14)	(2036923.94, 1875574.70)



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**REVISIONS:**

**TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
ERNIE BLAKE CROSSING PLAN AND PROFILE**

Russell Planning & Engineering, Inc.  
Civil Engineering Services  
994 Main Avenue, Unit C  
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Drawn: JT  
Drafted: JT  
Checked: DC

Date of Submittal  
07/18/2019

4 OF 12

**C-103**

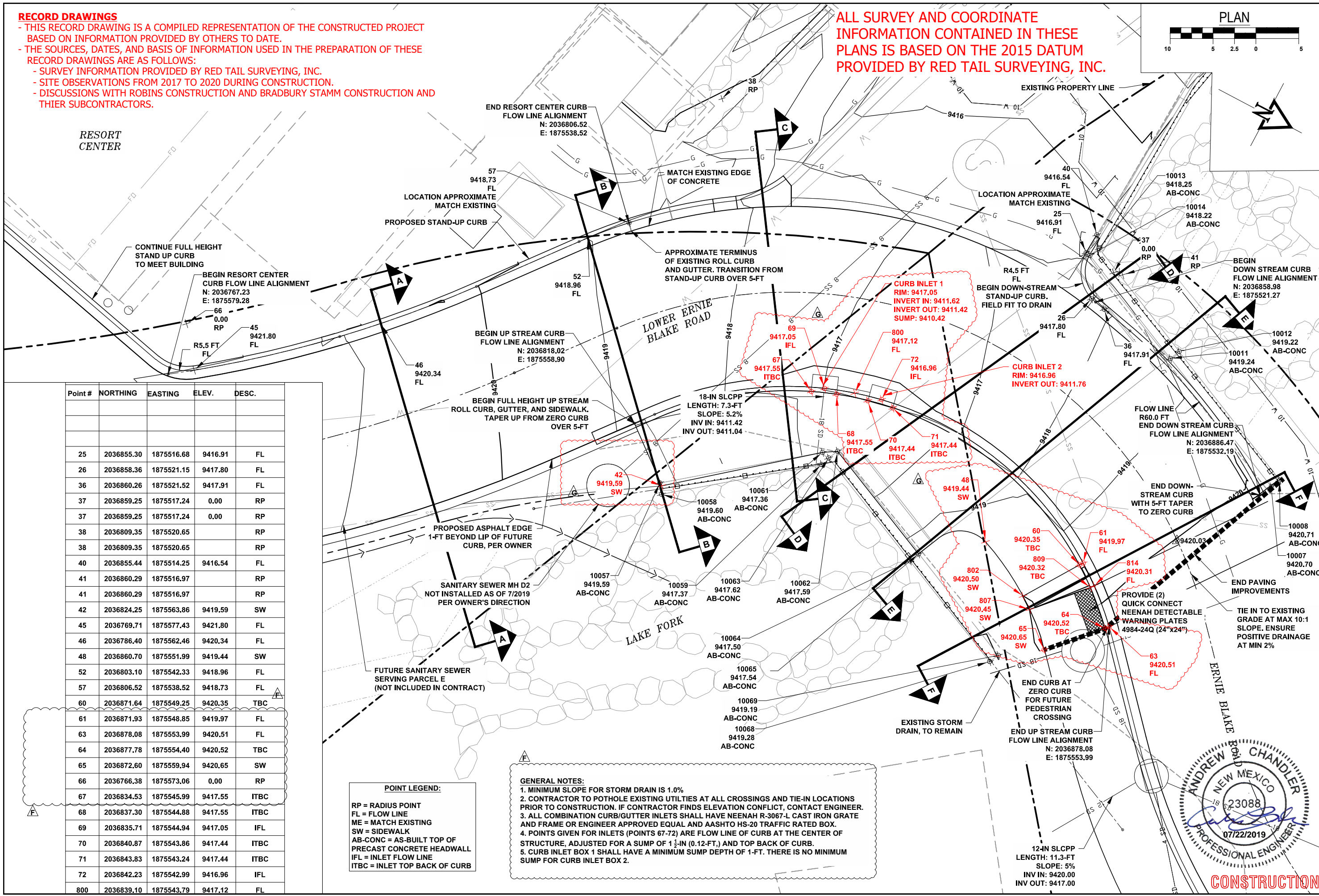
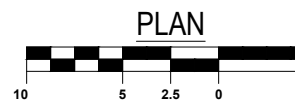
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Point #	NORTHING	EASTING	ELEV.	DESC.
25	2036855.30	1875516.68	9416.91	FL
26	2036858.36	1875521.15	9417.80	FL
36	2036860.26	1875521.52	9417.91	FL
37	2036859.25	1875517.24	0.00	RP
37	2036859.25	1875517.24	0.00	RP
38	2036809.35	1875520.65		RP
38	2036809.35	1875520.65		RP
40	2036855.44	1875514.25	9416.54	FL
41	2036860.29	1875516.97		RP
41	2036860.29	1875516.97		RP
42	2036824.25	1875563.86	9419.59	SW
45	2036769.71	1875577.43	9421.80	FL
46	2036786.40	1875562.46	9420.34	FL
48	2036860.70	1875551.99	9419.44	SW
52	2036803.10	1875542.33	9418.96	FL
57	2036806.52	1875538.52	9418.73	FL
60	2036871.64	1875549.25	9420.35	TBC
61	2036871.93	1875548.85	9419.97	FL
63	2036878.08	1875553.99	9420.51	FL
64	2036877.78	1875554.40	9420.52	TBC
65	2036872.60	1875559.94	9420.65	SW
66	2036766.38	1875573.06	0.00	RP
67	2036834.53	1875545.99	9417.55	ITBC
68	2036837.30	1875544.88	9417.55	ITBC
69	2036835.71	1875544.94	9417.05	IFL
70	2036840.87	1875543.86	9417.44	ITBC
71	2036843.83	1875543.24	9417.44	ITBC
72	2036842.23	1875542.99	9416.96	IFL
800	2036839.10	1875543.79	9417.12	FL

**POINT LEGEND:**  
 RP = RADIUS POINT  
 FL = FLOW LINE  
 ME = MATCH EXISTING  
 SW = SIDEWALK  
 AB-CONC = AS-BUILT TOP OF PRECAST CONCRETE HEADWALL  
 IFL = INLET FLOW LINE  
 ITBC = INLET TOP BACK OF CURB

**GENERAL NOTES:**  
 1. MINIMUM SLOPE FOR STORM DRAIN IS 1.0%  
 2. CONTRACTOR TO POTHOLE EXISTING UTILITIES AT ALL CROSSINGS AND TIE-IN LOCATIONS PRIOR TO CONSTRUCTION. IF CONTRACTOR FINDS ELEVATION CONFLICT, CONTACT ENGINEER.  
 3. ALL COMBINATION CURB/GUTTER INLETS SHALL HAVE NEENAH R-3067-L CAST IRON GRATE AND FRAME OR ENGINEER APPROVED EQUAL AND AASHTO HS-20 TRAFFIC RATED BOX.  
 4. POINTS GIVEN FOR INLETS (POINTS 67-72) ARE FLOW LINE OF CURB AT THE CENTER OF STRUCTURE, ADJUSTED FOR A SUMP OF 1 1/2-IN (0.12-FT.) AND TOP BACK OF CURB.  
 5. CURB INLET BOX 1 SHALL HAVE A MINIMUM SUMP DEPTH OF 1-FT. THERE IS NO MINIMUM SUMP FOR CURB INLET BOX 2.

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REVISIONS:  
 07/08/2019 UPDATED GEOMETRY AND GRADING  
 07/22/2019 ADDITIONAL NOTES AND POINTS FOR INLET GRATES AND BOXES  
 08/13/2019 CHANGE FL, TBC, AND INLET POINTS DUE TO ROAD CROWN CHANGE

TAOS SKI VALLEY  
 2019 ERNIE BLAKE CROSSING  
 ERNIE BLAKE CROSSING GRADING

Short Elliott  
 Hendrickson, Inc.  
 994 Main Avenue, Unit C  
 Durango, Colorado 81301  
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Drawn: JT  
 Drafted: JT  
 Checked: DC

Date of Submittal  
 07/18/2019

5 OF 12

CONSTRUCTION

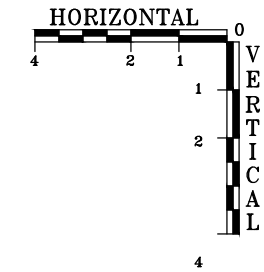
**C-104**



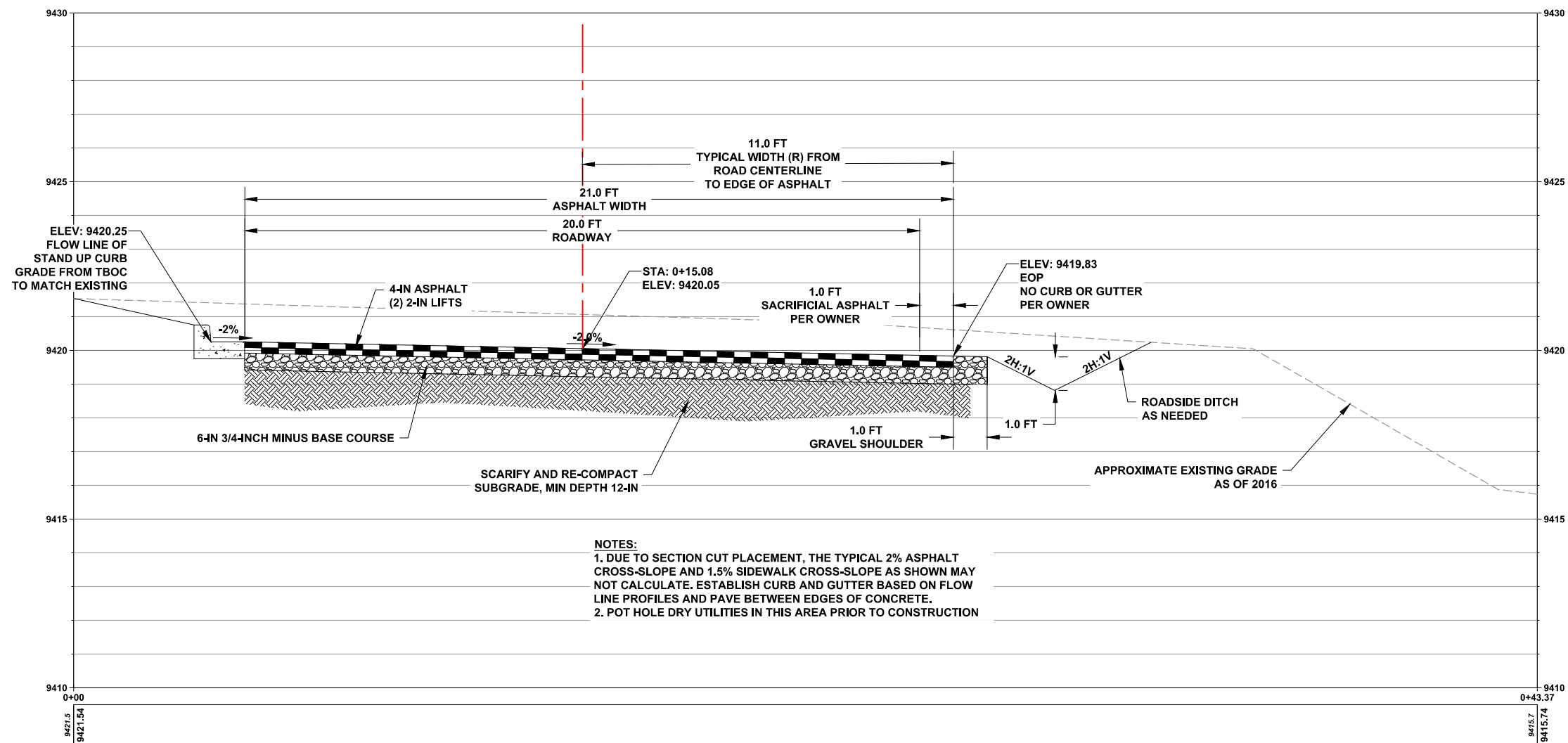
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SECTION A-A



**NOTES:**  
 1. DUE TO SECTION CUT PLACEMENT, THE TYPICAL 2% ASPHALT CROSS-SLOPE AND 1.5% SIDEWALK CROSS-SLOPE AS SHOWN MAY NOT CALCULATE. ESTABLISH CURB AND GUTTER BASED ON FLOW LINE PROFILES AND PAVE BETWEEN EDGES OF CONCRETE.  
 2. POT HOLE DRY UTILITIES IN THIS AREA PRIOR TO CONSTRUCTION

REVISIONS:

TAOS SKI VALLEY  
 2019 ERNIE BLAKE CROSSING  
 SECTION A

Russell Planning & Engineering, Inc.  
 Civil Engineering Services  
 934 Main Avenue, Unit C  
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 07/18/2019

6 OF 12

C-105



CONSTRUCTION







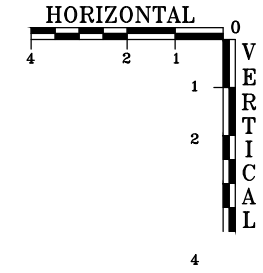
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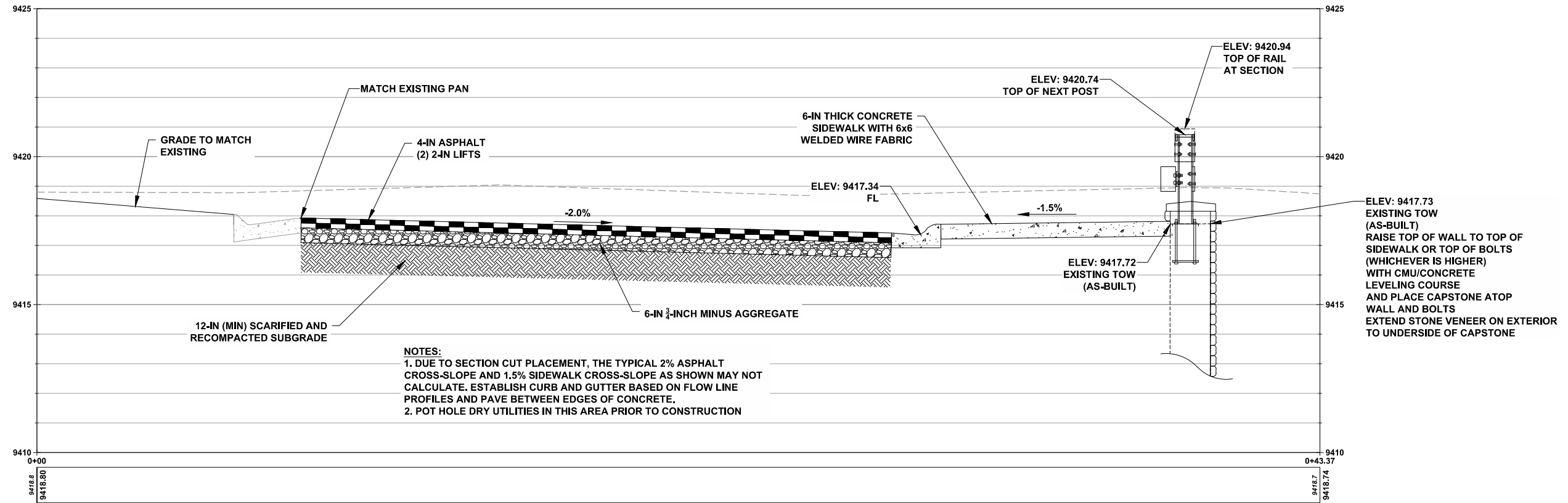
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**GUARDRAIL AND HANDRAIL NOTES:**

1. GUARDRAIL AND HANDRAIL HEIGHTS ARE APPROXIMATE AND GIVEN FOR SCHEMATIC PURPOSES ONLY.
2. FINAL GUARDRAIL AND HANDRAIL HEIGHTS WILL BE MEASURED AS FOLLOWS:  
DOWNSTREAM GUARDRAIL: FROM FLOW LINE OF STANDUP CURB  
UPSTREAM GUARDRAIL: FROM BACK OF SIDEWALK ADJACENT TO WALL
3. GUARDRAIL HEIGHTS SHALL BE ADJUSTED ONLY AFTER INSTALLATION OF ALL CURB, GUTTER, AND SIDEWALK.
4. FINAL VEHICULAR GUARDRAIL HEIGHTS SHALL BE 25-31" ABOVE ADJACENT GRADE, TO TOP OF RAIL.
5. FINAL HANDRAIL HEIGHTS SHALL BE 36-42" ABOVE ADJACENT GRADE TO TOP OF RAIL.
6. WALL RAISING MAY BE ACCOMPLISHED WITH CONCRETE LEVELING COURSE OR CMU.
7. SEE GUARDRAIL MODIFICATION DETAIL ON C-106.



**SECTION C-C**



REVISIONS:

**TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
SECTION C**

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Drafted: JT  
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07/18/2019

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**C-107**

**CONSTRUCTION**

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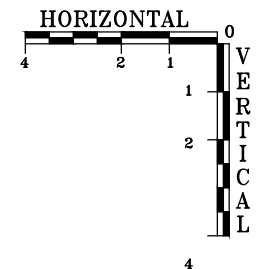




**RECORD DRAWINGS**

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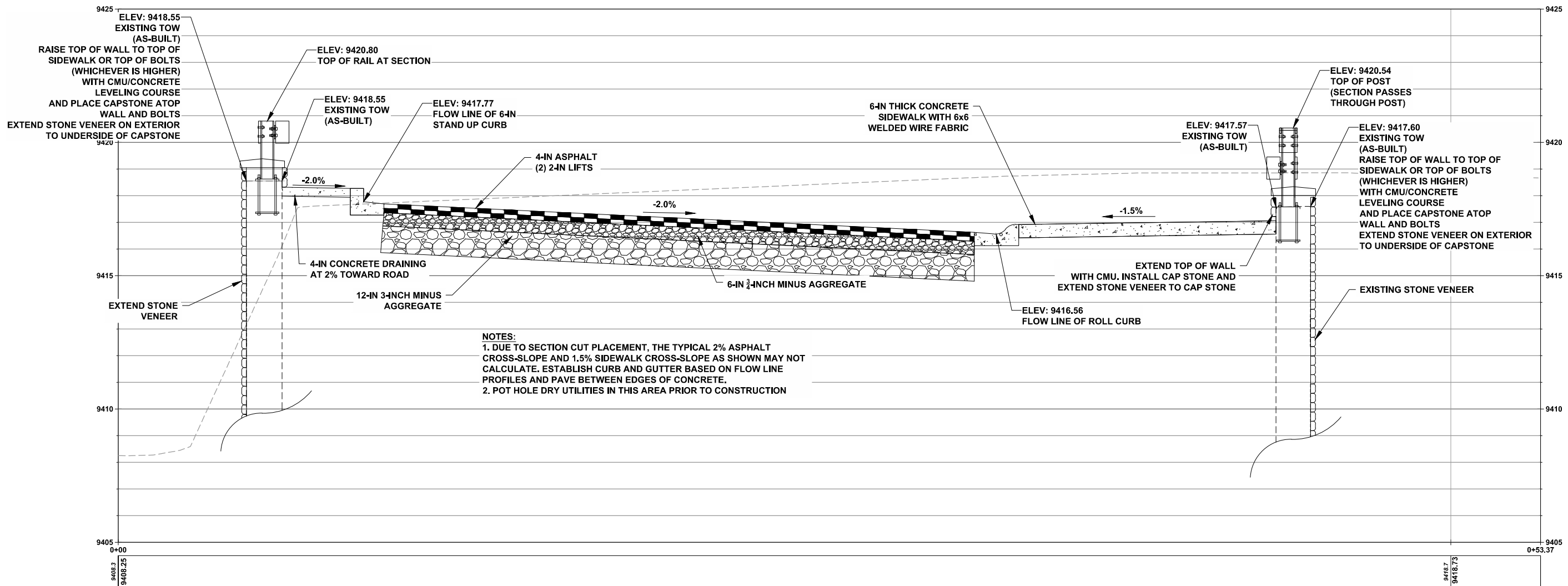
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**SECTION D-D**

**GUARDRAIL AND HANDRAIL NOTES:**

1. GUARDRAIL AND HANDRAIL HEIGHTS ARE APPROXIMATE AND GIVEN FOR SCHEMATIC PURPOSES ONLY.
2. FINAL GUARDRAIL AND HANDRAIL HEIGHTS WILL BE MEASURED AS FOLLOWS:  
 DOWNSTREAM GUARDRAIL: FROM FLOW LINE OF STANDUP CURB  
 UPSTREAM HANDRAIL: FROM BACK OF SIDEWALK ADJACENT TO WALL
3. GUARDRAIL HEIGHTS SHALL BE ADJUSTED ONLY AFTER INSTALLATION OF ALL CURB, GUTTER, AND SIDEWALK.
4. FINAL VEHICULAR GUARDRAIL HEIGHTS SHALL BE 25-31" ABOVE ADJACENT GRADE, TO TOP OF RAIL.
5. FINAL HANDRAIL HEIGHTS SHALL BE 36-42" ABOVE ADJACENT GRADE TO TOP OF RAIL.
6. WALL RAISING MAY BE ACCOMPLISHED WITH CONCRETE LEVELING COURSE OR CMU.
7. SEE GUARDRAIL MODIFICATION DETAIL ON C-106.



REVISIONS:

**TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
SECTION D**

Russell Planning & Engineering, Inc.  
Civil Engineering Services  
934 Main Avenue, Unit C  
Durango, Colorado 81301  
Phone: (970) 385-4546  
Fax: (970) 385-4502



Drawn: JT  
Drafted: JT  
Checked: DC

Date of Submittal  
07/18/2019

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**C-108**



**CONSTRUCTION**

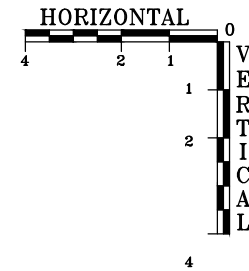


**RECORD DRAWINGS**

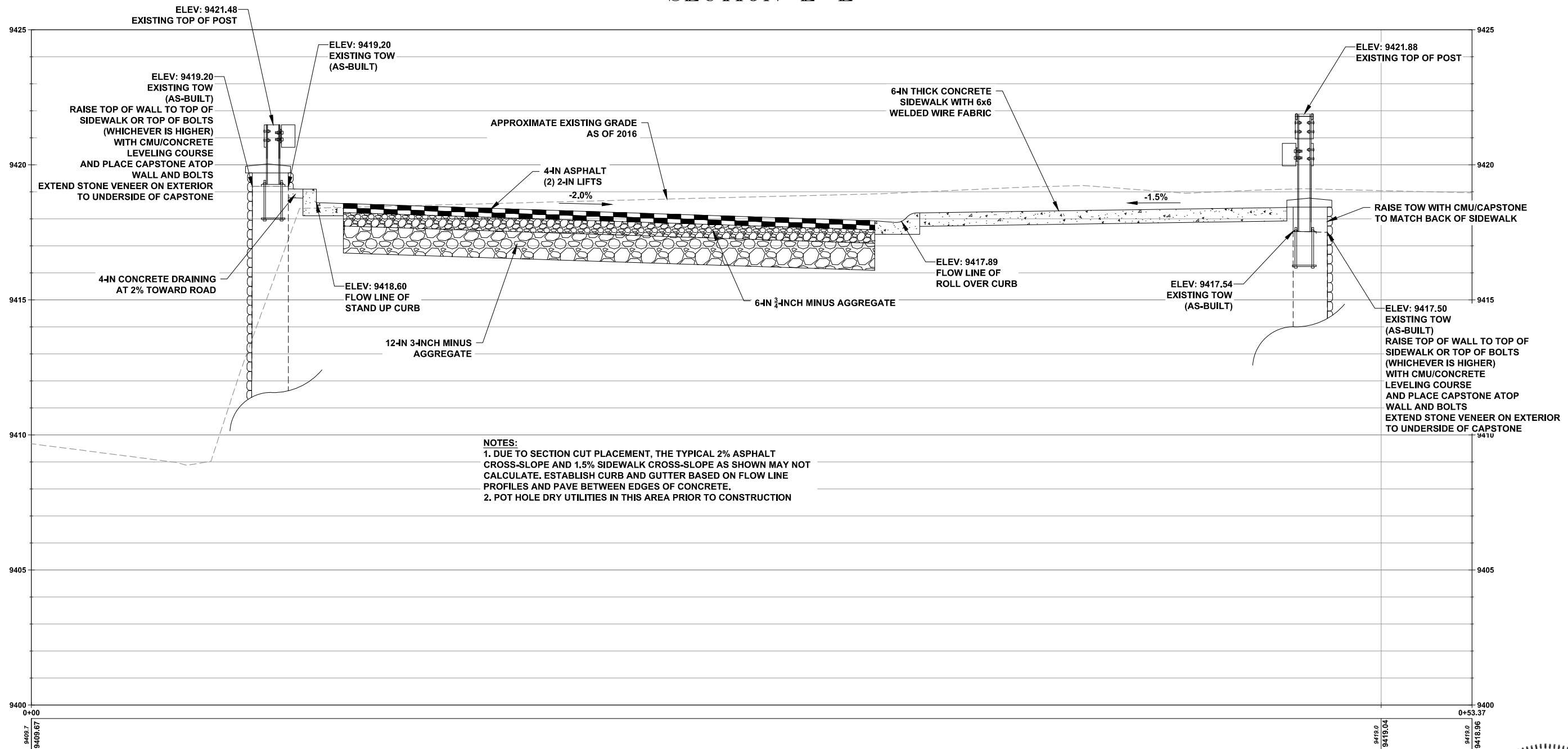
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**SECTION E-E**



**NOTES:**  
 1. DUE TO SECTION CUT PLACEMENT, THE TYPICAL 2% ASPHALT CROSS-SLOPE AND 1.5% SIDEWALK CROSS-SLOPE AS SHOWN MAY NOT CALCULATE. ESTABLISH CURB AND GUTTER BASED ON FLOW LINE PROFILES AND PAVE BETWEEN EDGES OF CONCRETE.  
 2. POT HOLE DRY UTILITIES IN THIS AREA PRIOR TO CONSTRUCTION

ALL SURVEY AND COORDINATE INFORMATION CONTAINED IN THESE PLANS IS BASED ON THE 2015 DATUM PROVIDED BY RED TAIL SURVEYING, INC.



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Call before you dig.

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**TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
SECTION E**

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Fax: (970) 385-4502

Drawn: JT  
Drafted: JT  
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Date of Submittal  
07/18/2019

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**C-109**

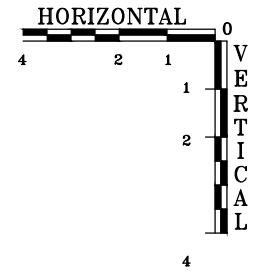
CONSTRUCTION



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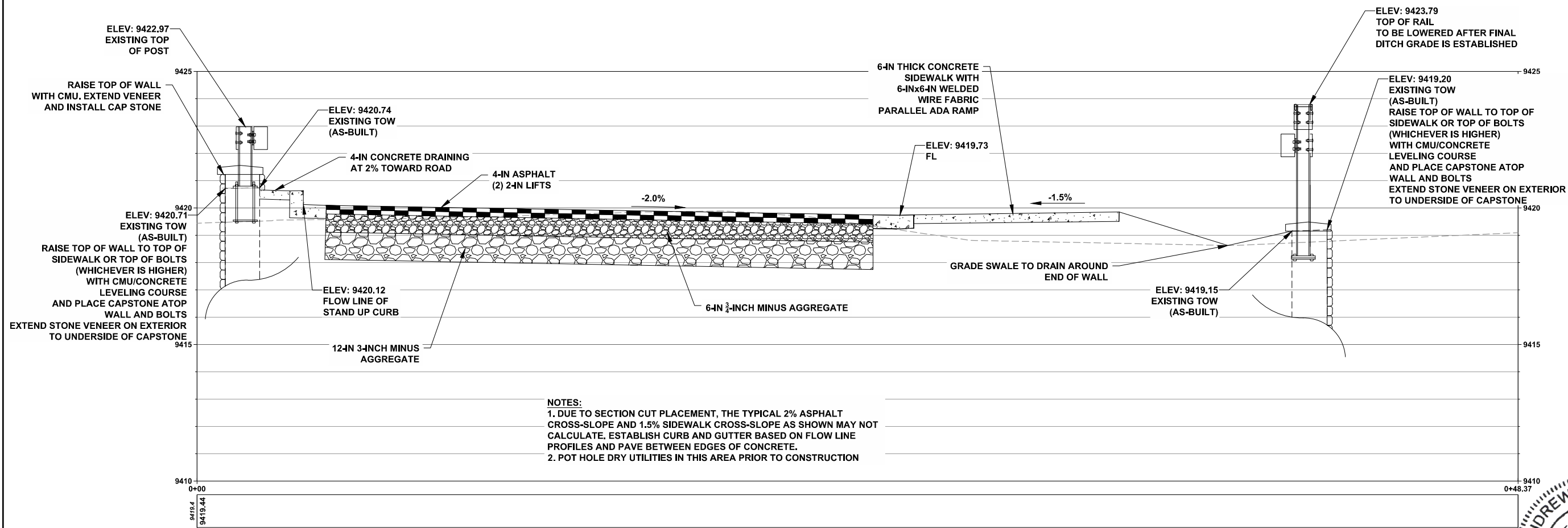
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SECTION F-F

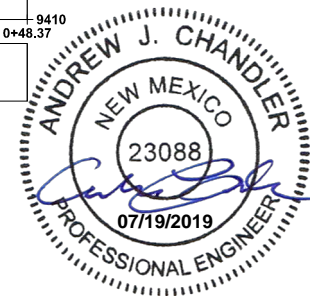


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  2. POT HOLE DRY UTILITIES IN THIS AREA PRIOR TO CONSTRUCTION

REVISIONS:

TAOS SKI VALLEY  
2019 ERNIE BLAKE CROSSING  
SECTION F

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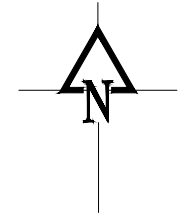
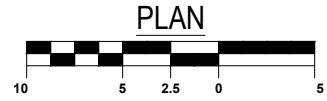
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CONSTRUCTION C-110

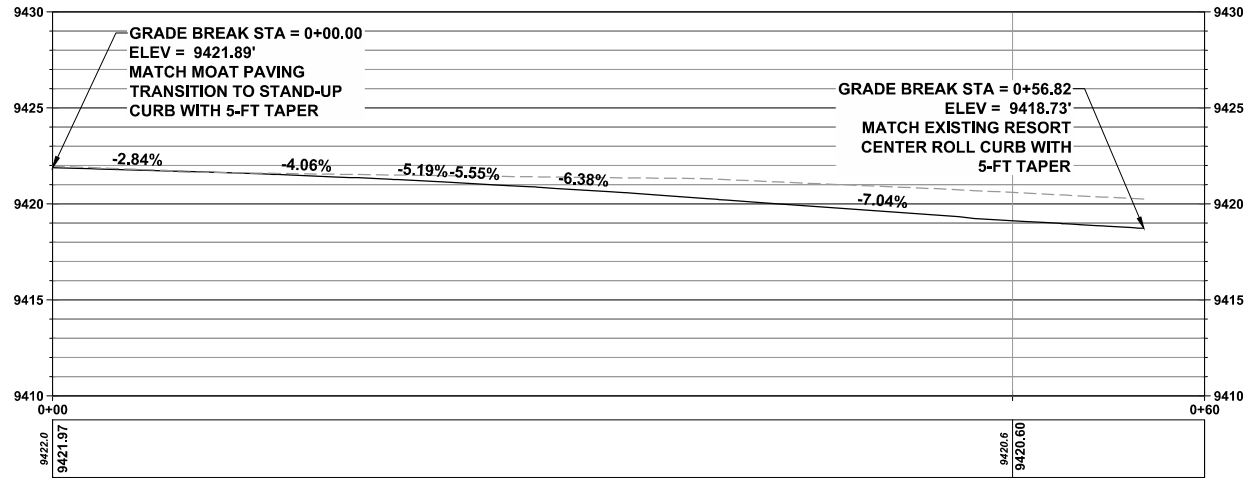
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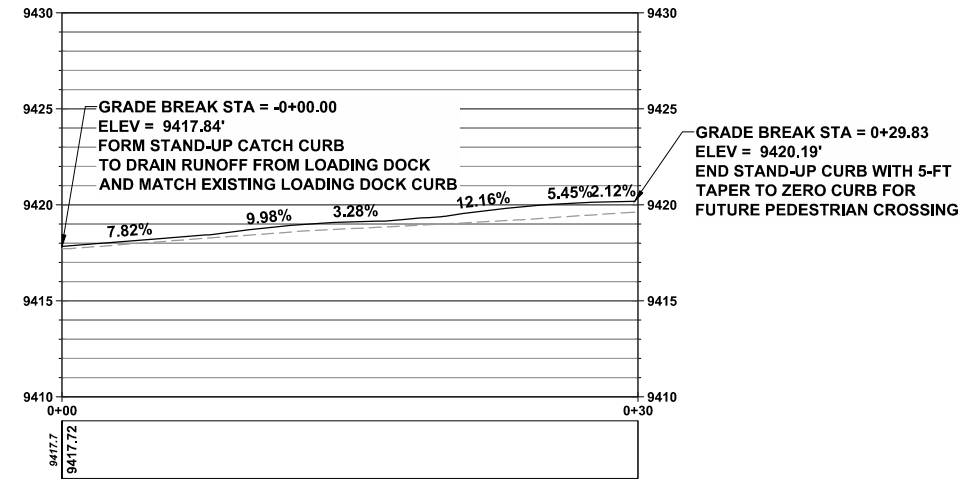




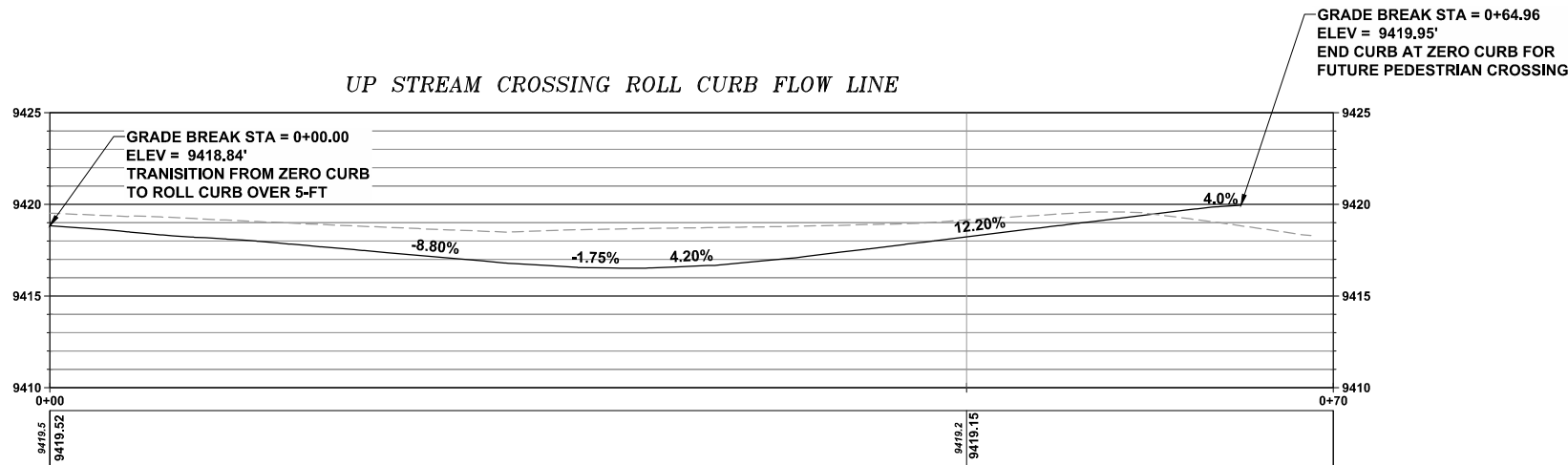
RESORT CENTER STAND-UP CURB FLOW LINE



DOWN STREAM CROSSING STAND-UP CURB FLOW LINE



UP STREAM CROSSING ROLL CURB FLOW LINE



NOTES:  
 1. PROFILES ARE SHOWN FOR SCHEMATIC PURPOSES ONLY.  
 2. DIGITAL FILES WILL BE MADE AVAILABLE TO CONSTRUCTION SURVEYOR TO LAYOUT FLOW LINE OF CURBS.

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CONSTRUCTION

TAOS SKI VALLEY  
 2019 ERNIE BLAKE CROSSING  
 FLOW LINE PROFILES

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