

## Appendix A: Thirty Percent Design Plan

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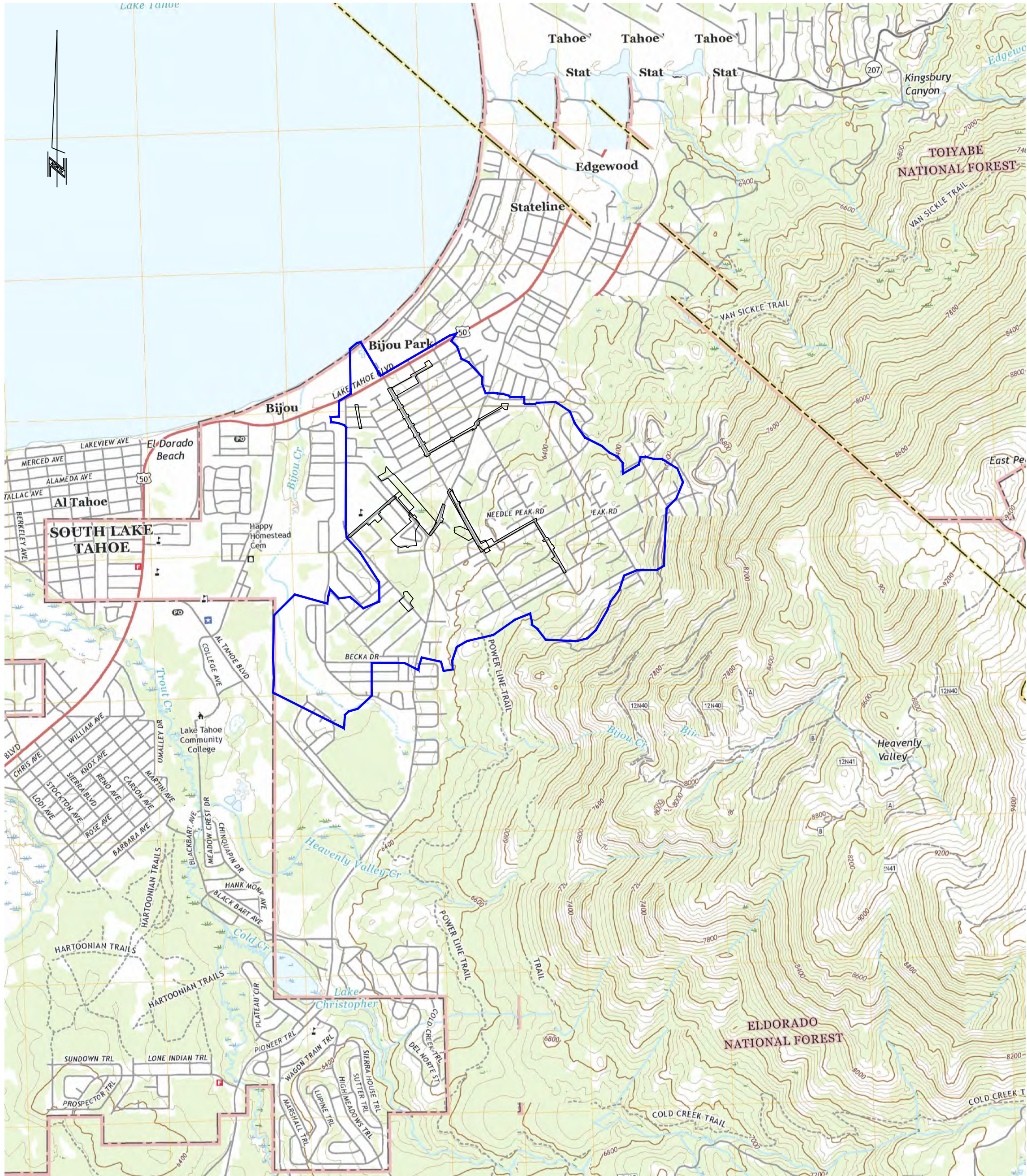


# BIJOU PARK CREEK WATERSHED RESTORATION PROJECT

EIP #01.01.01.0086  
CITY OF SOUTH LAKE TAHOE  
CALIFORNIA



CITY OF SOUTH LAKE TAHOE PUBLIC WORKS



LOCATION MAP:  
APPROX. SCALE: 1" = 2,000'

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- REFERENCES:
1. Topographic Source Data: TRPA 2010 LIDAR.
  2. Horizontal Datum: UTM Zone 10N NAD83 Meters [EPSG: 26910].
  3. Vertical Datum: NAVD88 [EPSG: 5703] .

CITY OF SOUTH LAKE TAHOE, PUBLIC WORKS ENGINEER

NAME DATE

ENGINEER OF RECORD, WILDSCAPE ENGINEERING, INC.

CAROL Y BEAHAN, P.E. DATE

30% PLANS - NOT FOR CONSTRUCTION

WILDSCAPE ENGINEERING  
1901 Lisa Maoli Way, Suite 108  
South Lake Tahoe, CA 96150  
www.wildscape-engineering.com



BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
TITLE SHEET

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
MK  
DATE  
09/04/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET

G1  
1 of 36



GENERAL NOTES

1. 1. ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE CITY OF SOUTH LAKE TAHOE PUBLIC WORKS DEPARTMENT. IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND THE MOST RECENT CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS & PLANS ("STANDARD SPECIFICATIONS"). AND CONSTRUCTION NOT SPECIFIED IN THESE PLANS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE CONTRACTOR IS OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL TECHNICAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
2. CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON SITE SHOWING "AS CONSTRUCTED" CHANGES. UPON COMPLETION, CONTRACTOR SHALL SUPPLY THE CITY OF SOUTH LAKE TAHOE A SET OF "AS BUILT" PLANS.
3. MOBILIZATION AREAS ARE TO BE SECURED BY THE CONTRACTOR AND APPROVED BY TRPA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF MOBILIZATION SITES, INCLUDING PLACEMENT AND MAINTENANCE OF BMPs.
4. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL INSTALL ALL TEMPORARY BMP MEASURES AT LOCATIONS SHOWN ON THE PLANS. THE BMP MEASURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED IN A FUNCTIONAL CONDITION FOR THE DURATION OF THE CONSTRUCTION.
5. ALL EXISTING VEGETATION SHALL BE PRESERVED UNLESS SPECIFICALLY IDENTIFIED BY THE PLANS FOR REMOVAL. BMPs TO PROTECT VEGETATION SHALL BE INSTALLED BY THE CONTRACTOR AS SHOWN ON THE PLANS OR AS REQUIRED BY TRPA. CONTRACTOR TO REVEGETATE ANY AREAS OUTSIDE THE DISTURBED AREA SHOWN ON THE PLANS WITH PLANTS APPROVED BY TRPA AT THEIR OWN EXPENSE.
6. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. WHERE EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 AND ALL AFFECTED UTILITY COMPANIES TO LOCATE ALL BURIED UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITIES AS REQUIRED BY THE WORK. WHENEVER CONNECTIONS TO OR CLEARANCE FROM ANY UTILITY IS REQUIRED, THE CONTRACTOR SHALL POTHOLE TO VERIFY THE LOCATION, SIZE AND MATERIAL OF THE UTILITY PRIOR TO CONSTRUCTION.
7. ASPHALT REPLACEMENT SHALL INCORPORATE A 4% ±1% CROSS SLOPE BETWEEN THE SAWCUT AND THE NEW ROADSIDE TREATMENT. NEW ROADSIDE FLOW CONVEYANCES SHALL INCORPORATE SUCH GRADE AS NECESSARY TO GUARANTEE WATER CONTINUES TO FLOW IN THE PRESENT DIRECTION, WITHOUT PONDING OR BREAKOUTS.
8. ALL WORK SHALL BE DONE WITHIN THE CITY OF SOUTH LAKE TAHOE RIGHT-OF-WAY UNLESS EASEMENT OR CONSTRUCTION PERMIT HAS BEEN ACQUIRED BY CITY OF SOUTH LAKE TAHOE, IN WHICH CASE THE LIMITS OF WORK ARE AS SPECIFIED ON THE DRAWINGS. ANY DAMAGE DONE BY THE CONTRACTOR OR HIS SUBCONTRACTORS TO PRIVATE PROPERTY AND/OR OUTSIDE OF THE NOTED LIMITS OF WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND/OR HIS SUBCONTRACTORS.
9. TESTING AND INSPECTION OF WORK TO BE DONE BY \_\_\_\_\_ THE COST OF REMOVAL AND/OR REPLACEMENT OF ANY DEFECTIVE WORK OR MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF RETESTING AND/OR INSPECTING OF REPLACED WORK AND MATERIAL IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SUCH COSTS WILL BE DEDUCTED FROM ANY MONEYS DUE OR WHICH MAY BECOME DUE TO THE CONTRACTOR.
10. STANDARD WORK DAYS AND HOURS SHALL BE MONDAY THROUGH FRIDAY FROM 8:00 AM TO 6:30 PM.
11. NOISE SHALL BE REDUCED BY THE MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT. WHERE FEASIBLE, SOLENOIDAL PAVEMENT BREAKERS WILL BE USED IN LIEU OF AIR POWERED JACK HAMMERS. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:30 PM.
12. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER AREAS AS NECESSARY TO CONTROL DUST. THE CONTRACTOR WILL PROVIDE SWEEPING AT THE END OF EACH DAY.
13. ALL TREES AND NATURAL VEGETATION TO REMAIN ON THE SITE SHALL BE PROTECTED PER PLANS AND TRPA.
14. SOIL AND CONSTRUCTION MATERIAL SHALL NOT BE TRACKED OFF THE CONSTRUCTION SITE. GRADING OPERATIONS SHALL CEASE IN THE EVENT THAT A DANGER OF VIOLATING THIS CONDITION EXISTS.
15. DURING CONSTRUCTION ENVIRONMENTAL PROTECTION DEVICES, SUCH AS EROSION CONTROL, DUST CONTROL, AND VEGETATION PROTECTION DEVICES SHALL BE MAINTAINED AT ALL TIMES.
16. LOOSE SOIL MOUNDS OR SURFACES SHALL BE PROTECTED FROM WIND OR WATER EROSION BY BEING APPROPRIATELY COVERED WHEN CONSTRUCTION IS NOT IN ACTIVE PROGRESS OR WHEN REQUIRED BY TRPA.
17. EXCAVATED MATERIAL SHALL BE STORED UPGRADE FROM THE EXCAVATED AREA WHENEVER POSSIBLE. NO MATERIAL SHALL BE STORED IN ANY STREAM ENVIRONMENT ZONE (SEZ) OR WET AREA.
18. ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, WILL BE USED. ALL HEAVY MACHINERY WORK SHALL BE PERFORMED FROM PAVED SURFACES TO AVOID SOIL COMPACTION.
19. NO WASHING OF VEHICLES OR HEAVY EQUIPMENT, INCLUDING CEMENT MIXERS, SHALL BE PERMITTED ANYWHERE ON THE SUBJECT PROPERTY UNLESS AUTHORIZED BY TRPA IN WRITING.
20. NO VEHICLE OR HEAVY EQUIPMENT SHALL BE ALLOWED IN A STREAM ENVIRONMENT ZONE OR WET AREA EXCEPT AS AUTHORIZED BY TRPA.
21. ALL CONSTRUCTION SHALL BE WINTERIZED BY OCTOBER 15 TO REDUCE THE WATER QUALITY IMPACTS ASSOCIATED WITH WINTER WEATHER.
22. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE CITY OF SOUTH LAKE TAHOE RIGHT-OF-WAYS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SYSTEM.
23. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LONGER THEN 24 HOURS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS BEEN TEMPORARILY OR PERMANENTLY CEASED.
24. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMP'S WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT.
25. TRAFFIC CONTROL AND LANE CLOSURES WILL BE PER CALTRANS STANDARD SPECIFICATIONS.

ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

|              |                                              |          |                                                       |
|--------------|----------------------------------------------|----------|-------------------------------------------------------|
| A.B.         | AGGREGATE BASE                               | MDD      | MAXIMUM DRY DENSITY                                   |
| AC.          | ACRE                                         | MJ       | MECHANICAL JOINT                                      |
| A.C.         | ASPHALT CONCRETE                             | MI.      | MILE                                                  |
| @            | AT                                           | MIN.     | MINIMUM                                               |
| APPROX.      | APPROXIMATE                                  | MISC.    | MISCELLANEOUS                                         |
| AVG.         | AVERAGE                                      | N        | NORTH                                                 |
| AWWA         | AMERICAN WATER WORKS ASSOCIATION             | N.I.C.   | NOT IN CONTRACT                                       |
| BC           | BEGIN CURVE                                  | NDOT     | NEVADA DEPT. OF TRANSPORTATION                        |
| C&G          | CURB AND GUTTER                              | NTCD     | NEVADA TAHOE CONSERVATION DISTRICT                    |
| CATV         | CABLE TELEVISION                             | N.T.S.   | NOT TO SCALE                                          |
| C.B.         | CATCH BASIN                                  | NO.      | NUMBER                                                |
| CL           | CENTERLINE                                   | OC       | ON CENTER                                             |
| CLR.         | CLEAR                                        | OG       | ORIGINAL GRADE                                        |
| CO.          | CLEAN OUT                                    | OH(E/T)  | OVERHEAD ELECTRIC OR TELEPHONE LINES                  |
| CONST.       | CONSTRUCT                                    | ±        | PLUS OR MINUS                                         |
| CF           | CUBIC FEET                                   | PT.      | POINT                                                 |
| CMP          | CORRIGATED METAL PIPE                        | PCC      | POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE     |
| CY           | CUBIC YARD                                   | PC       | POINT OF CURVATURE                                    |
| D.G.         | DECOMPOSED GRANITE                           | PI       | POINT OF INFLECTION                                   |
| DEG          | DEGREE(S)                                    | PIP      | PROTECT IN PLACE                                      |
| DI.          | DROP INLET                                   | PVC      | POLYVINYL CHLORIDE                                    |
| DIA.         | DIAMETER                                     | PVMT     | PAVEMENT                                              |
| DR           | DIMENSION RATIO                              | POC      | POINT ON CURVE                                        |
| DWG          | DRAWING                                      | POS      | POSITIVE                                              |
| DW, DWY      | DRIVEWAY                                     | PRC      | POINT OF REVERSE CURVE                                |
| E.A.         | EACH                                         | PSI      | POUNDS PER SQUARE INCH                                |
| EASE.        | EASEMENT                                     | PL       | PROPERTY LINE                                         |
| EG           | EXISTING GRADE                               | PO       | PUSH ON                                               |
| ELEC         | ELECTRIC                                     | PUE      | PUBLIC UTILITY EASEMENT                               |
| EP           | EDGE OF PAVEMENT                             | R        | RADIUS                                                |
| ELEV.        | ELEVATION                                    | RCP      | REINFORCED CONCRETE PIPE                              |
| EC           | END CURVE                                    | REVEG    | REVEGETATION                                          |
| EX.          | EXISTING                                     | RLC      | ROCK LINED CHANNEL                                    |
| FG           | FINISH GRADE                                 | RT,R     | RIGHT                                                 |
| FH           | FIRE HYDRANT                                 | R/W, ROW | RIGHT-OF-WAY                                          |
| FCA          | FLANGE COUPLER ADAPTER                       | SS       | SANITARY SEWER, STAINLESS STEEL                       |
| FES          | FLARED END SECTION (METAL)                   | SSCO.    | SANITARY SEWER CLEAN OUT                              |
| FL           | FLOWLINE                                     | SSMH     | SANITARY SEWER MANHOLE                                |
| FLG          | FLANGED                                      | S        | SLOPE                                                 |
| FT.          | FOOT, FEET                                   | S        | SOUTH                                                 |
| FTG          | FOOTING                                      | SF       | SQUARE FOOT/FEET                                      |
| FV           | FLUSH VALVE                                  | SHT      | SHEET                                                 |
| *            | DEGREE                                       | STD      | STANDARD                                              |
| C            | GAS                                          | SDR      | STANDARD DIMENSION RATIO                              |
| CV           | GATE VALVE                                   | SSPWC    | STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION |
| GB           | GRADE BREAK                                  | STA      | STATION                                               |
| HDPE         | HIGH DENSITY POLYETHYLENE                    | SD       | STORM DRAIN                                           |
| HDPE-NP      | NON-PERFORATED HIGH DENSITY POLYETHYLENE     | SDMH     | STORM DRAIN MANHOLE                                   |
| HDPE-P       | PERFORATED HIGH DENSITY POLYETHYLENE         | TBC      | TOP BACK OF CURB                                      |
| HP           | HIGH POINT                                   | TOC      | TOP OF CURB                                           |
| HOR., HORIZ. | HORIZONTAL                                   | TRPA     | TAHOE REGIONAL PLANNING AGENCY                        |
| IN.          | INVERT ELEVATION                             | TW       | TOP OF WALL                                           |
| IE           | IRRIGATION                                   | TYP      | TYPICAL                                               |
| IRR.         | IRRIATION                                    | UGE      | UNDERGROUND ELECTRIC LINES                            |
| IVGID        | INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT | UGT      | UNDERGROUND TELEPHONE LINES                           |
| L            | LEFT                                         | VC       | VERTICAL CURVE                                        |
| LEN.         | LENGTH                                       | VG       | VALLEY GUTTER                                         |
| LF           | LINEAR FEET                                  | VPC      | VERTICAL POINT OF CURVATURE                           |
| LID          | LOW IMPACT DEVELOPMENT                       | VPI      | VERTICAL POINT OF INFLECTION                          |
| LP           | LOW POINT                                    | VPT      | VERTICAL POINT OF TANGENT                             |
| LS           | LUMP SUM                                     | W        | WATER                                                 |
| MH           | MANHOLE                                      | WL       | WATERLINE                                             |
| MAX.         | MAXIMUM                                      | W        | WEST                                                  |
|              |                                              | W/       | WITH                                                  |
|              |                                              | WM       | WATER METER                                           |

UTILITIES

|                  |                                                      |
|------------------|------------------------------------------------------|
| CABLE TELEVISION | CHARTER COMMUNICATIONS, (775) 588-1077               |
| NATURAL GAS      | SOUTHWEST GAS, (877) 860-6022                        |
| ELECTRIC         | LIBERTY UTILITIES, (800) 782-2506                    |
| STORM DRAIN      | CITY OF SOUTH LAKE TAHOE PUBLIC WORKS (530) 542-6030 |
| SEWER AND WATER  | SOUTH TAHOE PUBIC UTILITY DISTRICT, (530) 544-6474   |
| PHONE            | ATT, (800) 288-2020                                  |
| USA DIGS         | (800) 642-2444 OR 811                                |

LEGEND

NOTE: LEGENDS PROVIDED ON INDIVIDUAL PLAN SHEETS OVERRIDES THIS LEGEND

| EXISTING                               | PROPOSED                                            |
|----------------------------------------|-----------------------------------------------------|
| ----- MAJOR CONTOUR                    | ----- MAJOR CONTOUR                                 |
| ----- MINOR CONTOUR                    | ----- MINOR CONTOUR                                 |
| 6695 EXISTING MAJOR CONTOUR LABEL      | 6694 PROPOSED MAJOR CONTOUR LABEL                   |
| 5+00 EXISTING ALIGNMENT                | 5+00 PROPOSED ALIGNMENT(ROAD CENTERLINE)            |
| ----- EXISTING GRADE (SECTION VIEW)    | ----- GRADING DAYLIGHT LINE                         |
| ----- PROPERTY LINE                    | ----- GRADING LINE/FEATURE LINE                     |
| ----- EXISTING FENCE                   | ----- PROPOSED GRADE (SECTION VIEW)                 |
| OR ----- PAVEMENT                      | CLF ----- CONSTRUCTION LIMIT FENCE                  |
| SD ----- STORM DRAIN LINE              | FF ----- FILTER FENCE                               |
| CATCH BASIN                            | SEDIMENT ROLL                                       |
| SEDIMENT TRAP                          | EROSION CONTROL BLANKET                             |
| STORM DRAIN MANHOLE                    | STAGING AREA                                        |
| W ----- WATER LINE                     | PROPOSED PIPE                                       |
| WATER METER/ VALVE                     | PROPOSED CONCRETE                                   |
| SS ----- SANITARY SEWER LINE           | PROPOSED VEGETATION/WILLOW                          |
| SANITARY SEWER MANHOLE                 | ROCK LINED CHANNEL (PLAN VIEW)                      |
| OH ----- OVERHEAD ELECTRIC LINE        | ROCK (SECTION VIEW)                                 |
| POWER POLE                             | ROCK DISSIPATER                                     |
| UG ----- UNDER GROUND TELEPHONE LINES  | PROJECT BOUNDARY                                    |
| OH ----- OVERHEAD TELEPHONE LINES      | LAND CAPABILITY BOUNDARY                            |
| UG ----- UNDERGROUND FIBER OPTIC LINES |                                                     |
| GAS ----- UNDERGROUND GAS LINES        |                                                     |
| FLOWLINE                               |                                                     |
| TREE                                   | SECTION OR DETAIL IDENTIFICATION                    |
| FIRE HYDRANT                           | NUMBER OF SHEET ON WHICH SECTION OR DETAIL IS DRAWN |
| CURB                                   | SECTION OR DETAIL IDENTIFICATION                    |
| CONCRETE                               | SYMBOL FOR DETAIL ON THE SAME SHEET                 |
| CONTROL POINT                          |                                                     |
| BUILDING                               |                                                     |
| PRIVATE DRIVEWAY                       |                                                     |
| SIGN                                   |                                                     |
| ROCK LINED CHANNEL                     |                                                     |
| EXISTING ROCK WALL                     |                                                     |
| 125-382-13                             | ASSESSOR PARCEL NUMBER                              |
| JOHN A. SMITH                          | OWNER (PRIVATE LOT)                                 |

HORIZONTAL AND VERTICAL PROJECTION

HORIZONTAL: CALIFORNIA STATE PLANE ZONE 2, US SURVEY FEET, NAD88  
VERTICAL: NAVD 88, US SURVEY FEET

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www.wildscape-engineering.com



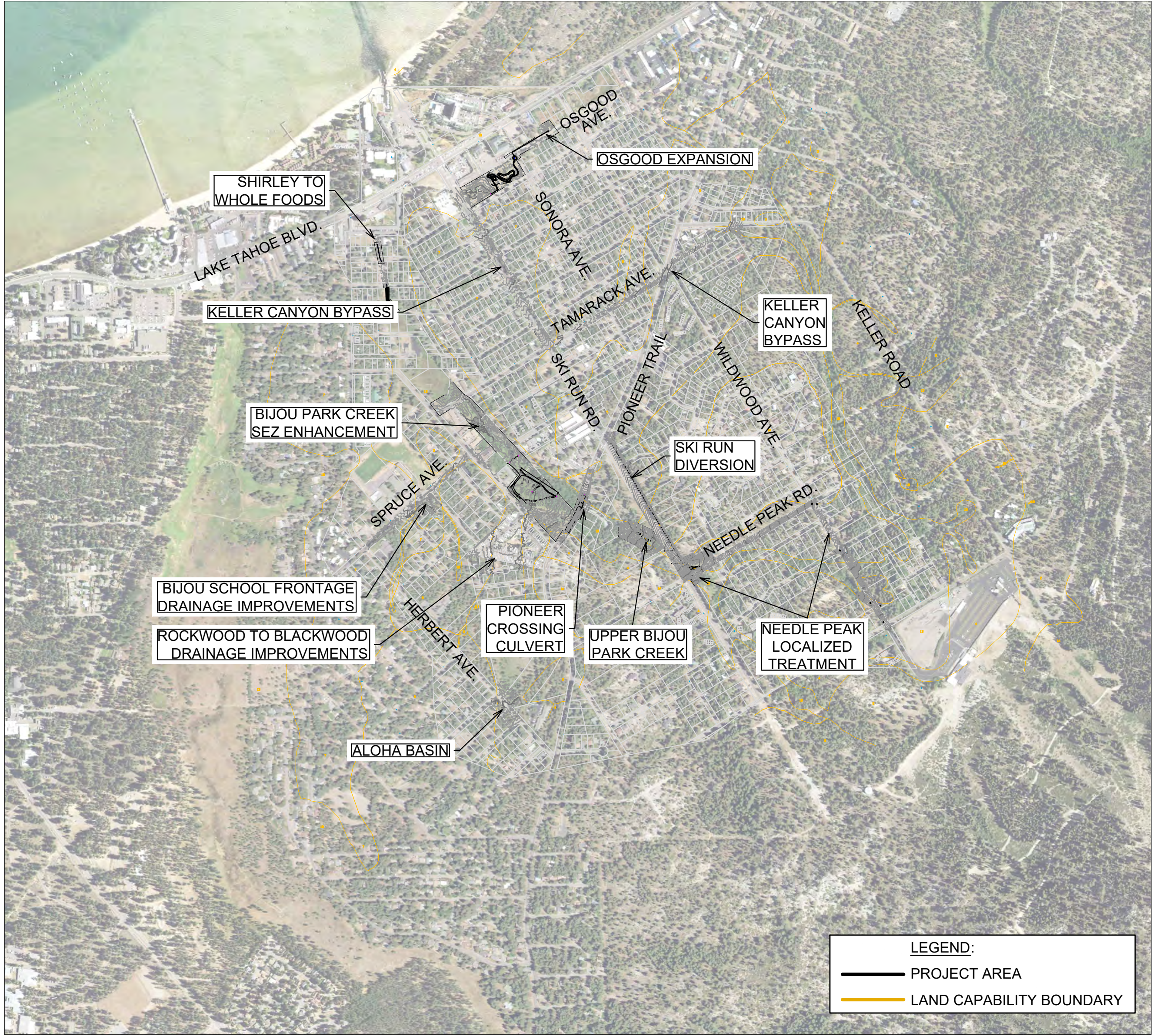
BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
GENERAL NOTES, ABBREVIATIONS,  
AND LEGEND

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| DESIGNED/DRAWN<br>CB/AJW    |
| CHECKED<br>CB               |
| DATE<br>06/26/2020          |
| SCALE<br>AS INDICATED       |
| PROJECT<br>BIJOU PARK CREEK |
| SHEET                       |

G2  
1 of X

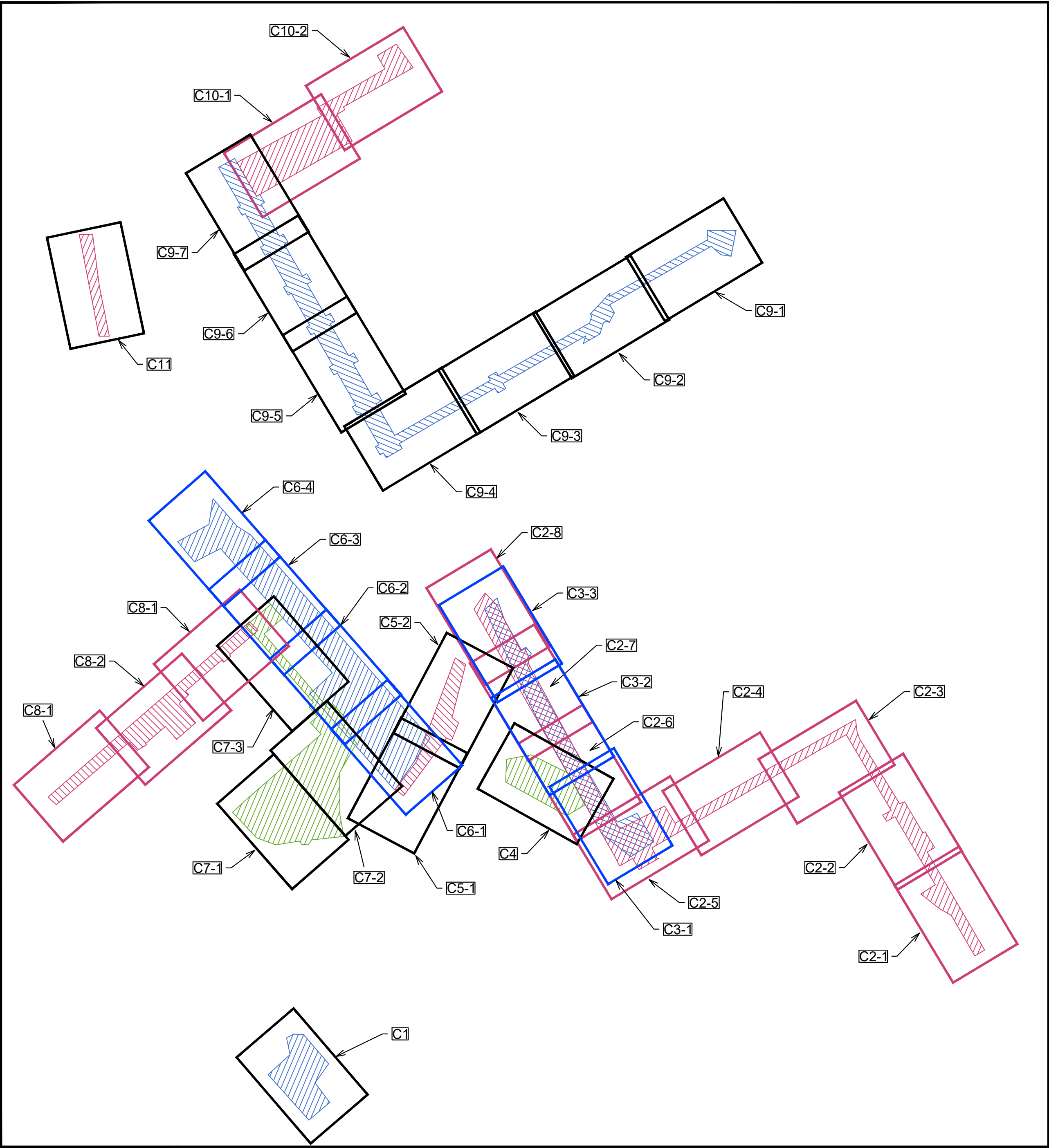


PROJECT MAP:



HORIZONTAL AND VERTICAL PROJECTION  
Horizontal: California State Plane Zone 2, US Survey Feet, NAD83  
Vertical: NAVD 88, US Survey Feet

SHEET INDEX MAP:



| SHEET INDEX:   |                                             |
|----------------|---------------------------------------------|
| No.            | Sheet Title                                 |
| C1             | ALPHA BASIN                                 |
| C2-1 to C2-8   | NEEDLE PEAK LOCALIZED TREATMENT             |
| C3-1 to C3-3   | SKI RUN DIVERSION                           |
| C4             | UPPER BIJOU PARK CREEK                      |
| C5-1 to C5-2   | PIONEER CROSSING CULVERT                    |
| C6-1 to C6-4   | BIJOU PARK CREEK SEZ ENHANCEMENT            |
| C7-1 to C7-3   | ROCKWOOD TO BLACKWOOD DRAINAGE IMPROVEMENTS |
| C8-1 to C8-3   | BIJOU SCHOOL FRONTAGE DRAINAGE IMPROVEMENTS |
| C9-1 to C9-7   | KELLER CANYON BYPASS                        |
| C10-1 to C10-2 | OSGOOD EXPANSION                            |
| C11            | SHIRLEY TO WHOLE FOODS                      |

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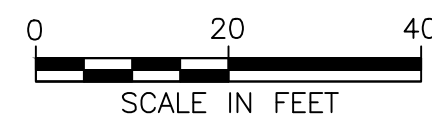
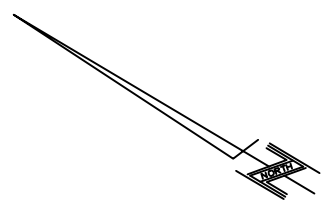
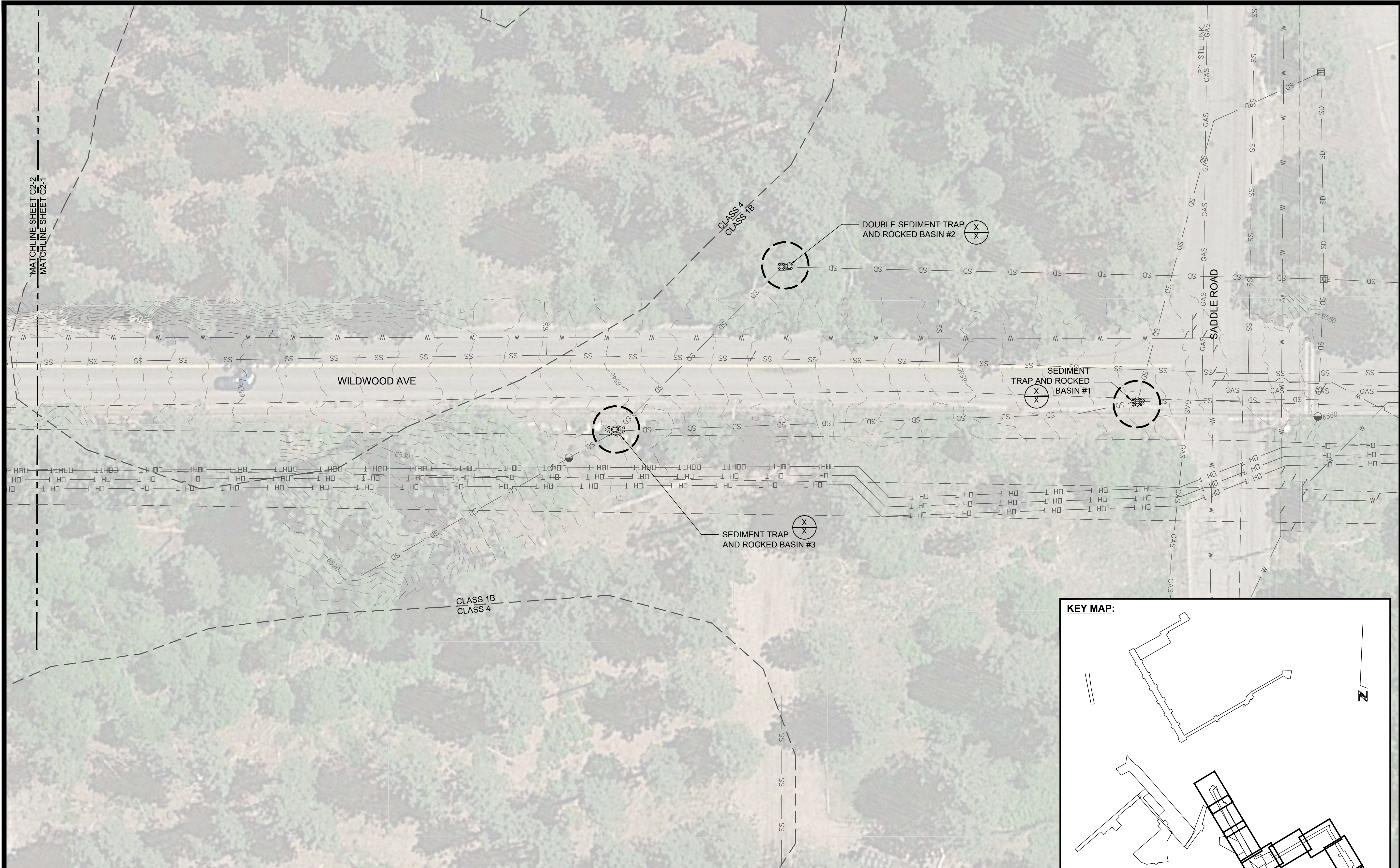
BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
PROJECT INDEX MAP

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| SHEET                       |

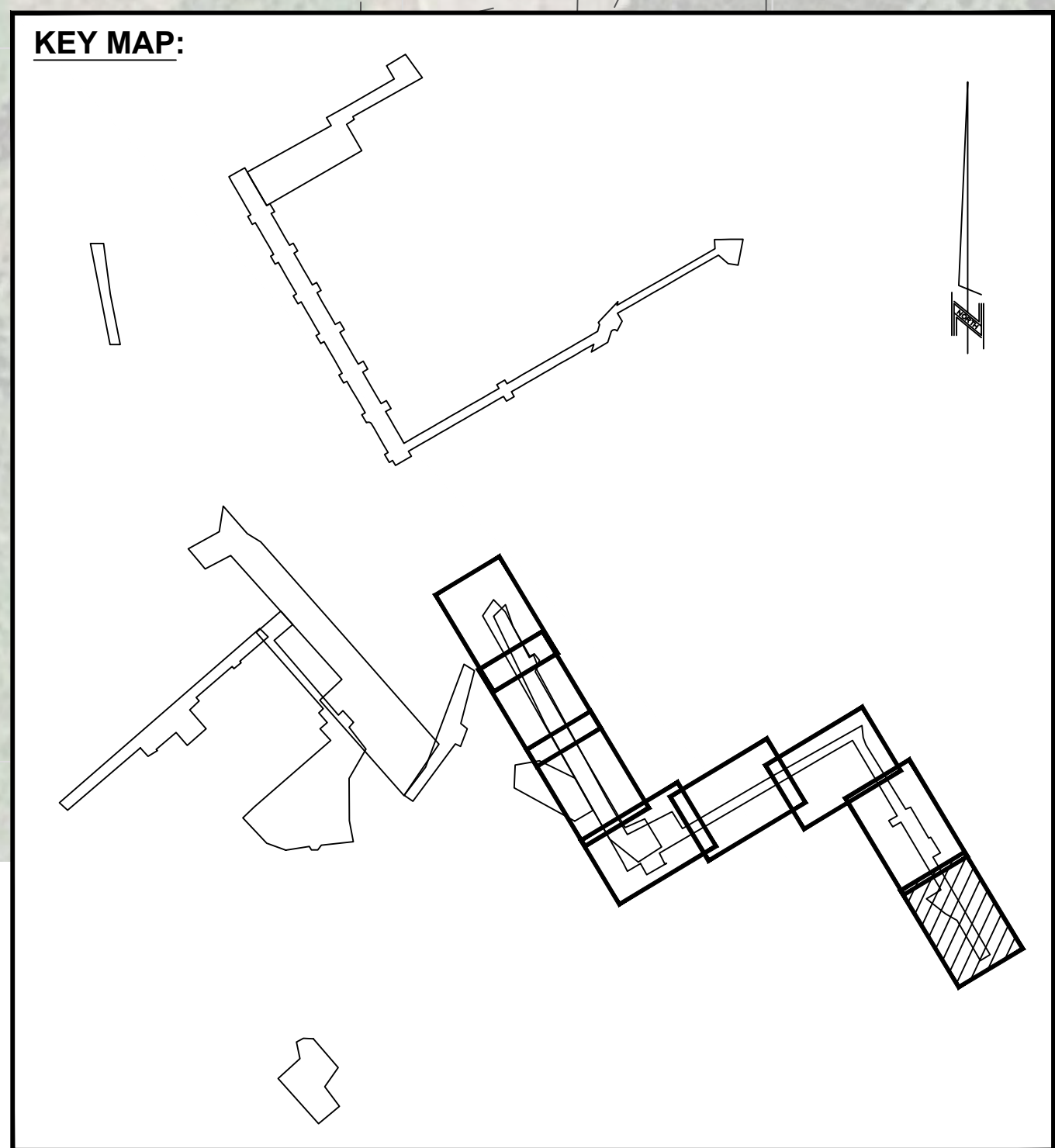








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**Nevada Tahoe**  
**Conservation District**

**BIJOU PARK CREEK WATERSHED**  
**RESTORATION PROJECT**  
**NEEDLE PEAK LOCALIZED**  
**TREATMENT**

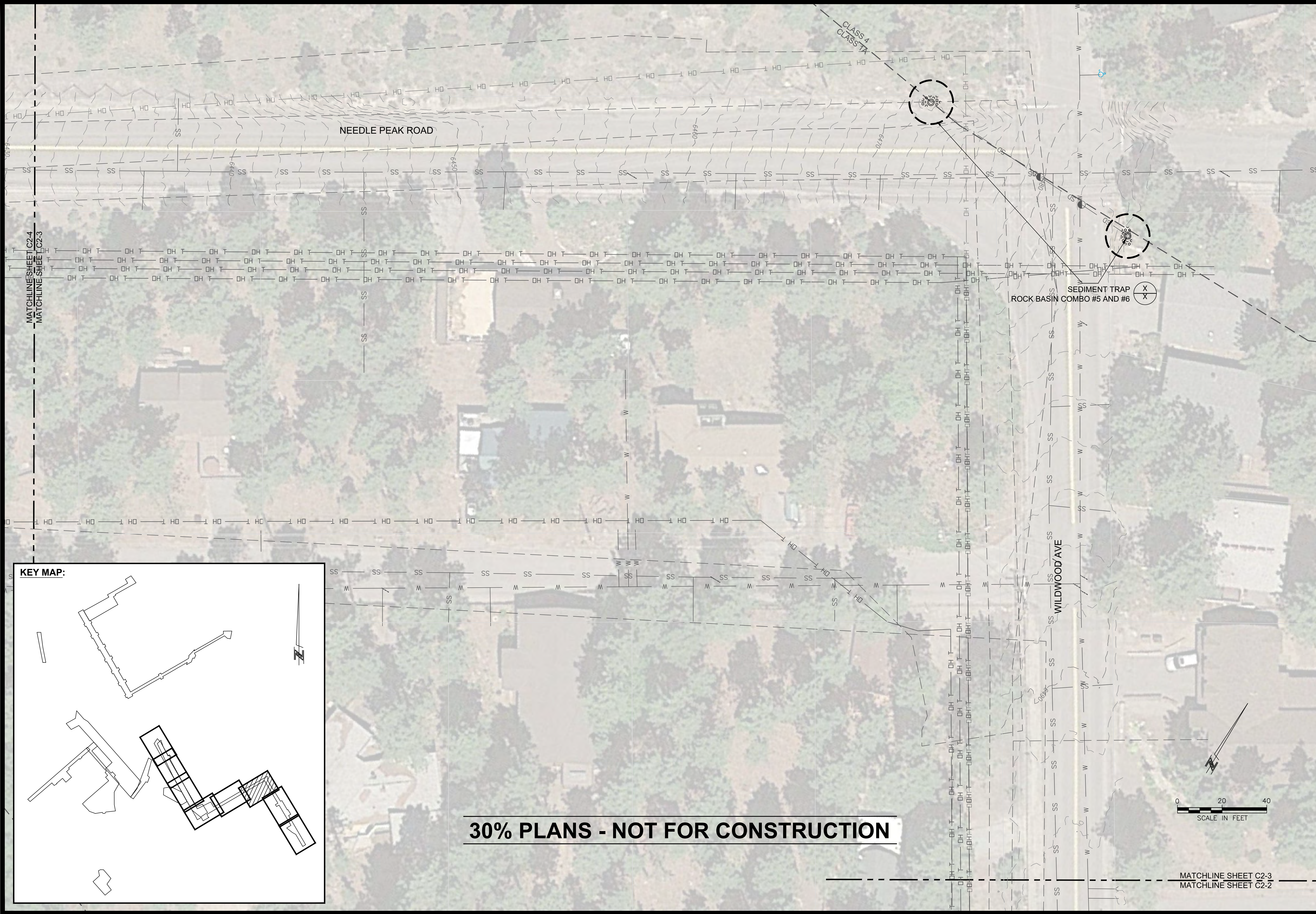
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BIJOU PARK CREEK

SHEET  
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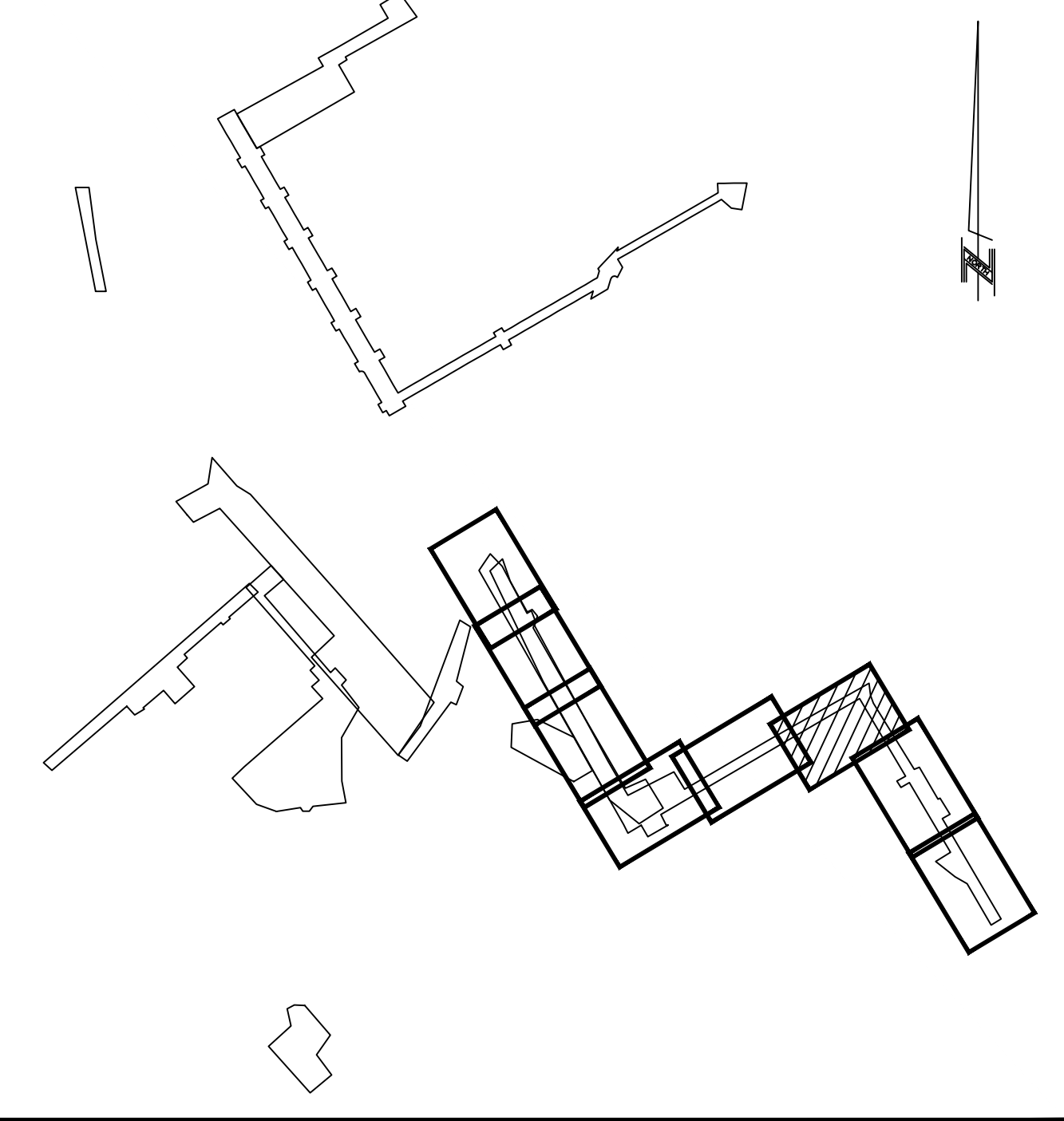








KEY MAP:



30% PLANS - NOT FOR CONSTRUCTION

BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
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SHEET  
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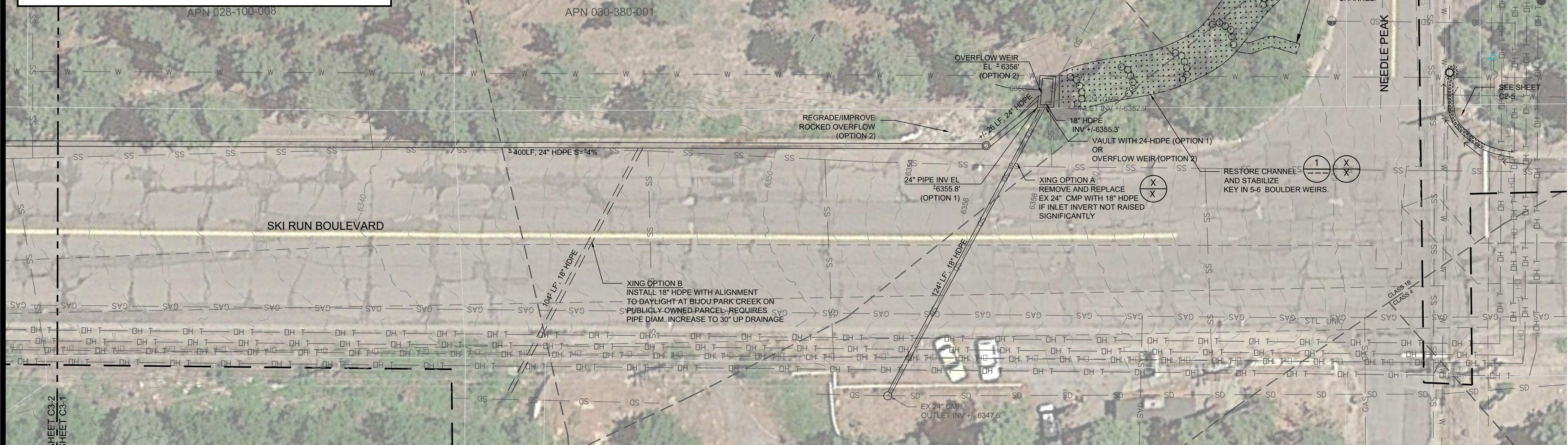
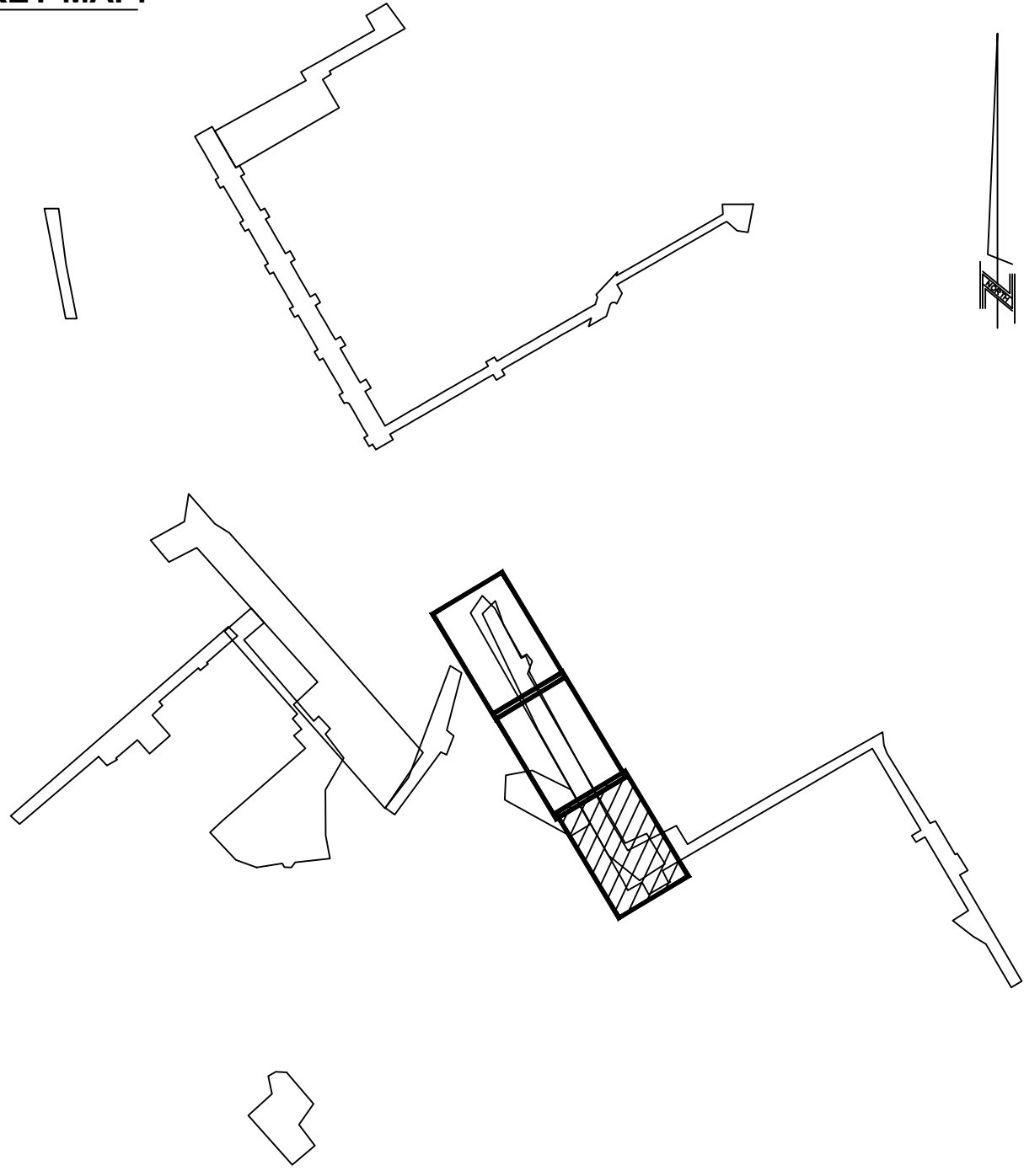
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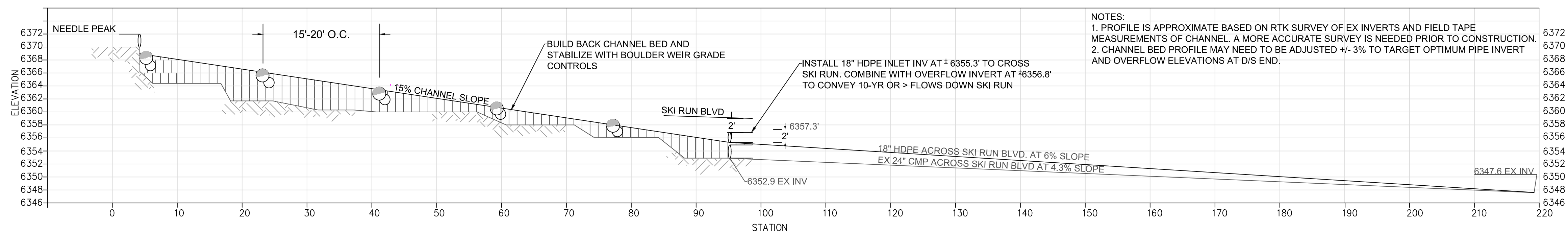




KEY MAP:



UPPER BIJOU PARK CREEK PROFILE- NEEDLE PEAK RD TO SKI RUN BLVD



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C3-1  
1 OF 36

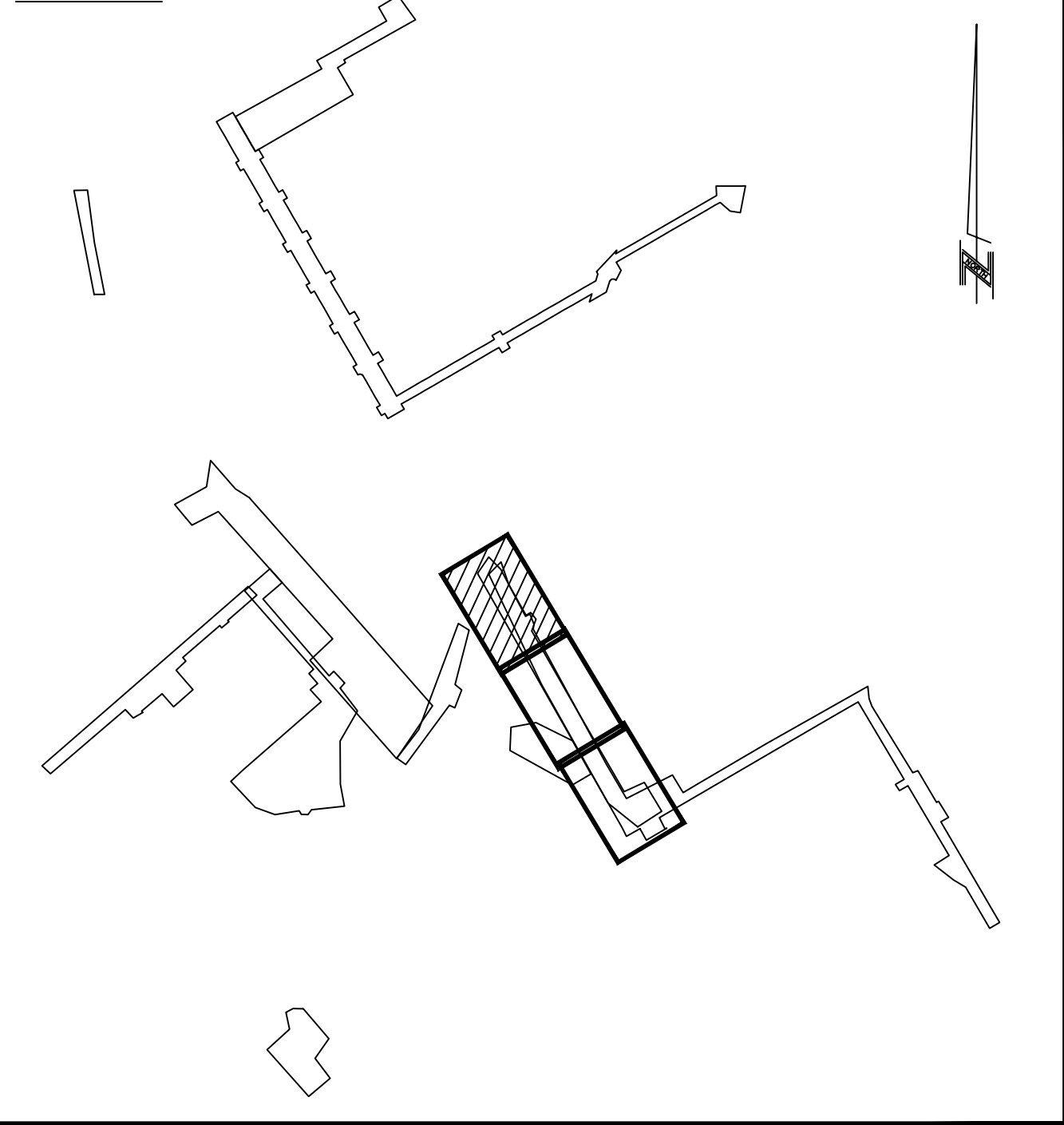




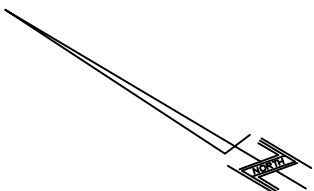




KEY MAP:



30% PLANS - NOT FOR CONSTRUCTION



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BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
SKI RUN DIVERSION

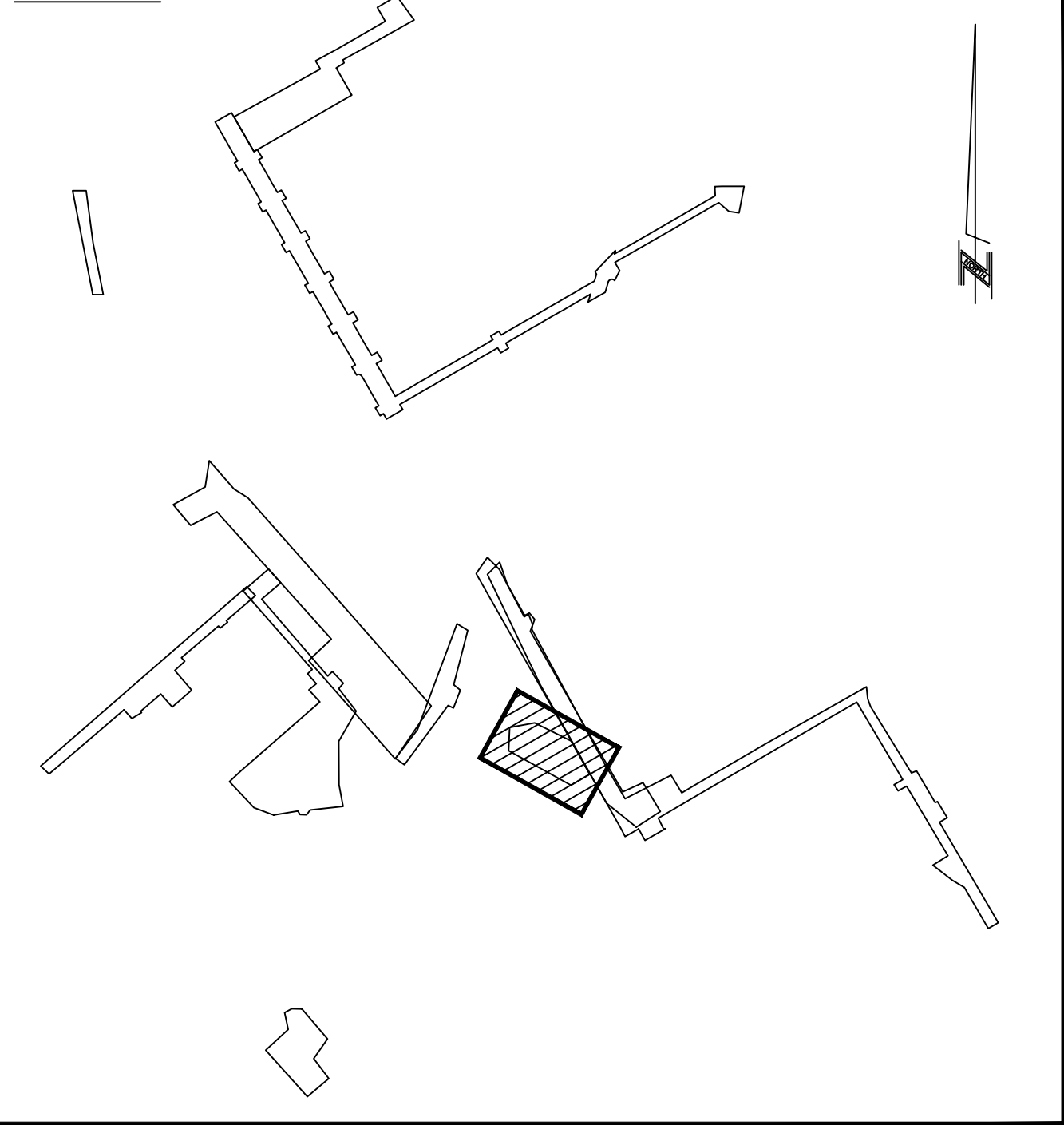
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CB/AJW  
CHECKED  
CB  
DATE  
07/30/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET

C3-3  
1 of X





KEY MAP:



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BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
UPPER BIJOU PARK CREEK

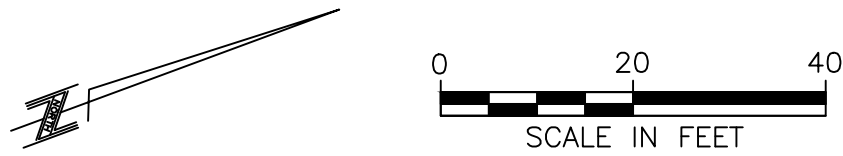
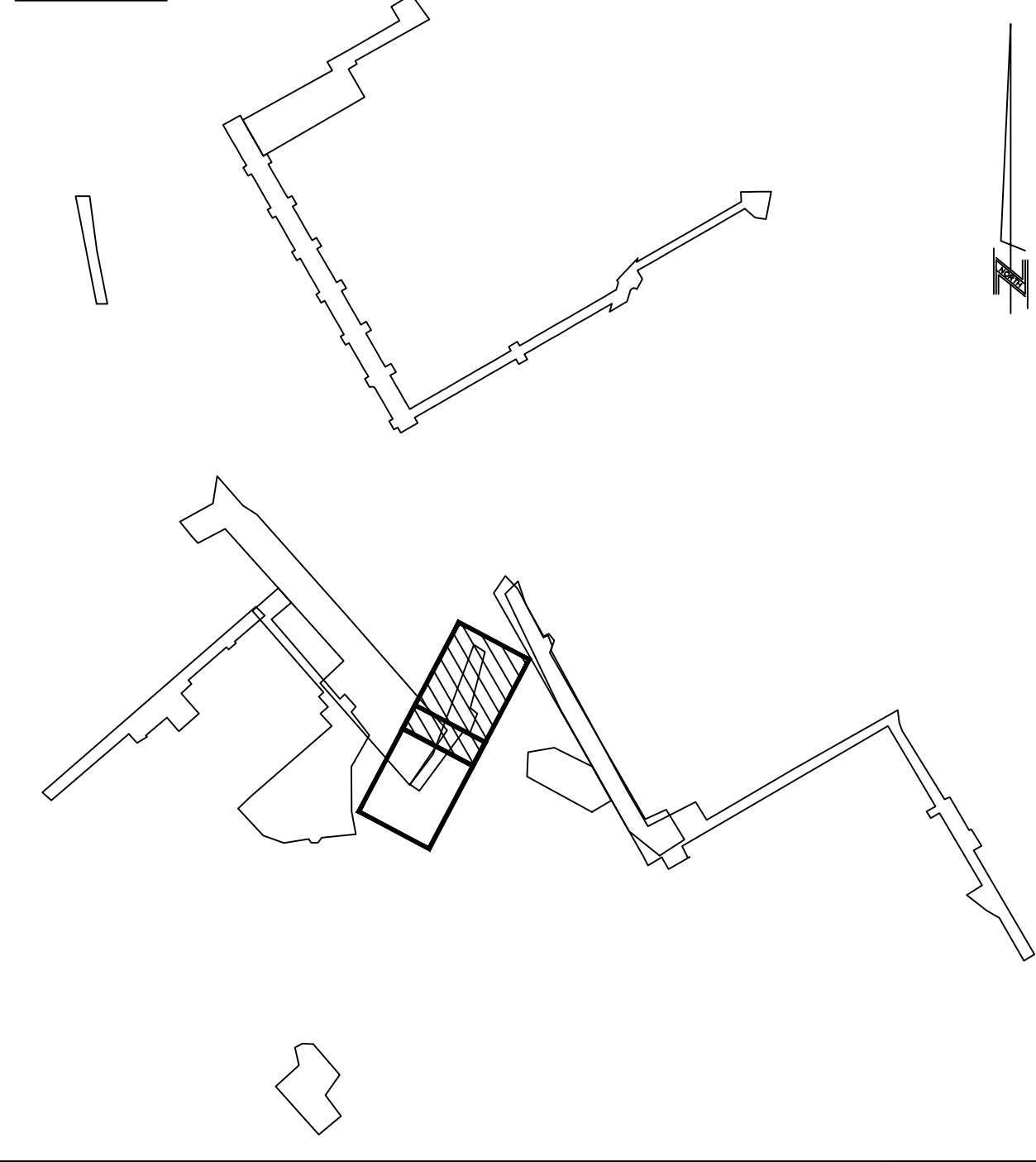
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CB/AJW  
CHECKED  
CB  
DATE  
09/04/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET

C4  
1 OF 36





KEY MAP:



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BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
PIONEER CROSSING CULVERT

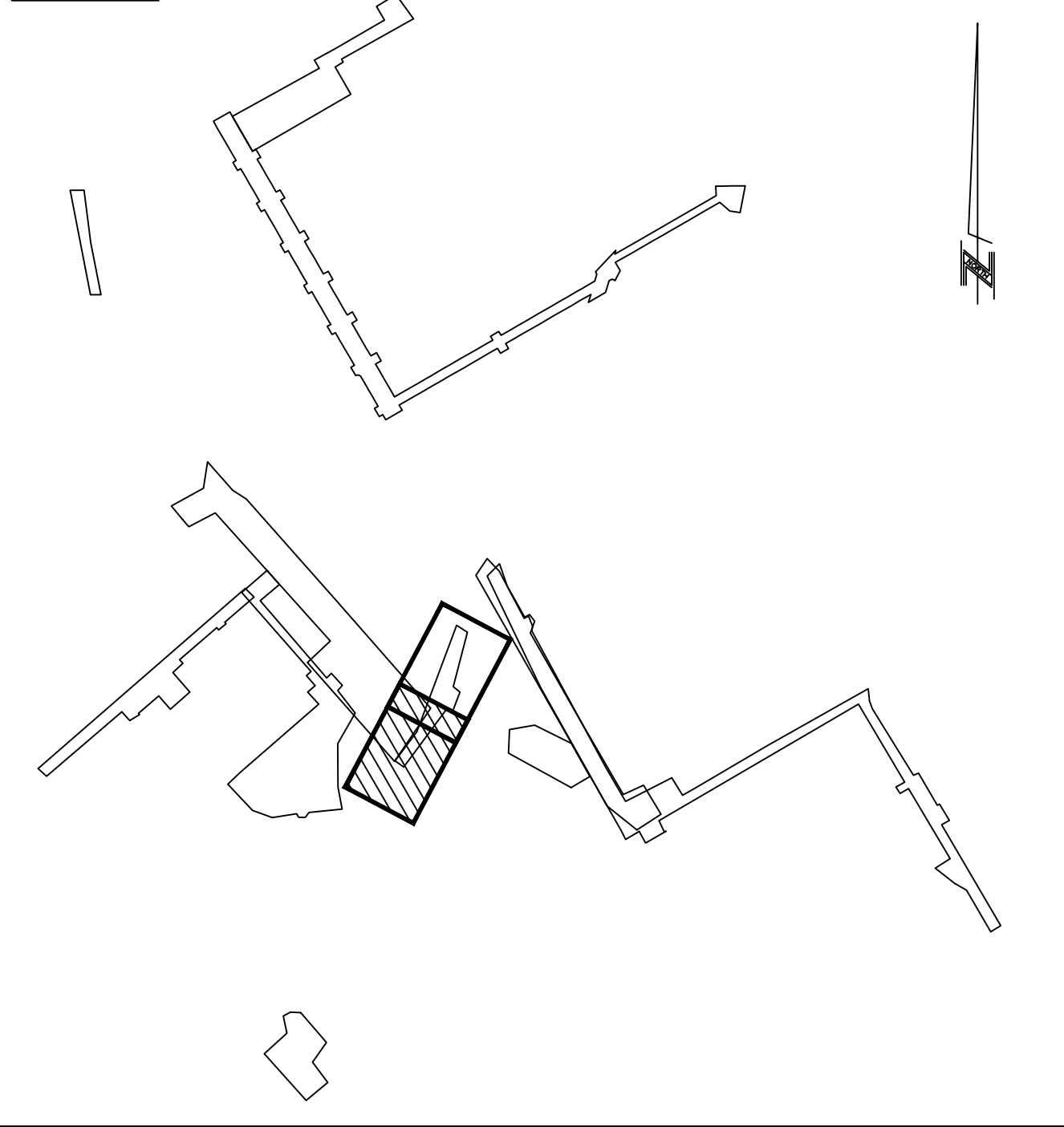
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SCALE  
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PROJECT  
BIJOU PARK CREEK

SHEET  
**C5-1**  
1 OF 36

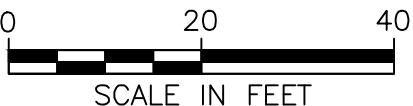
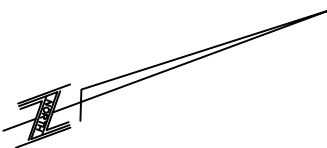




KEY MAP:



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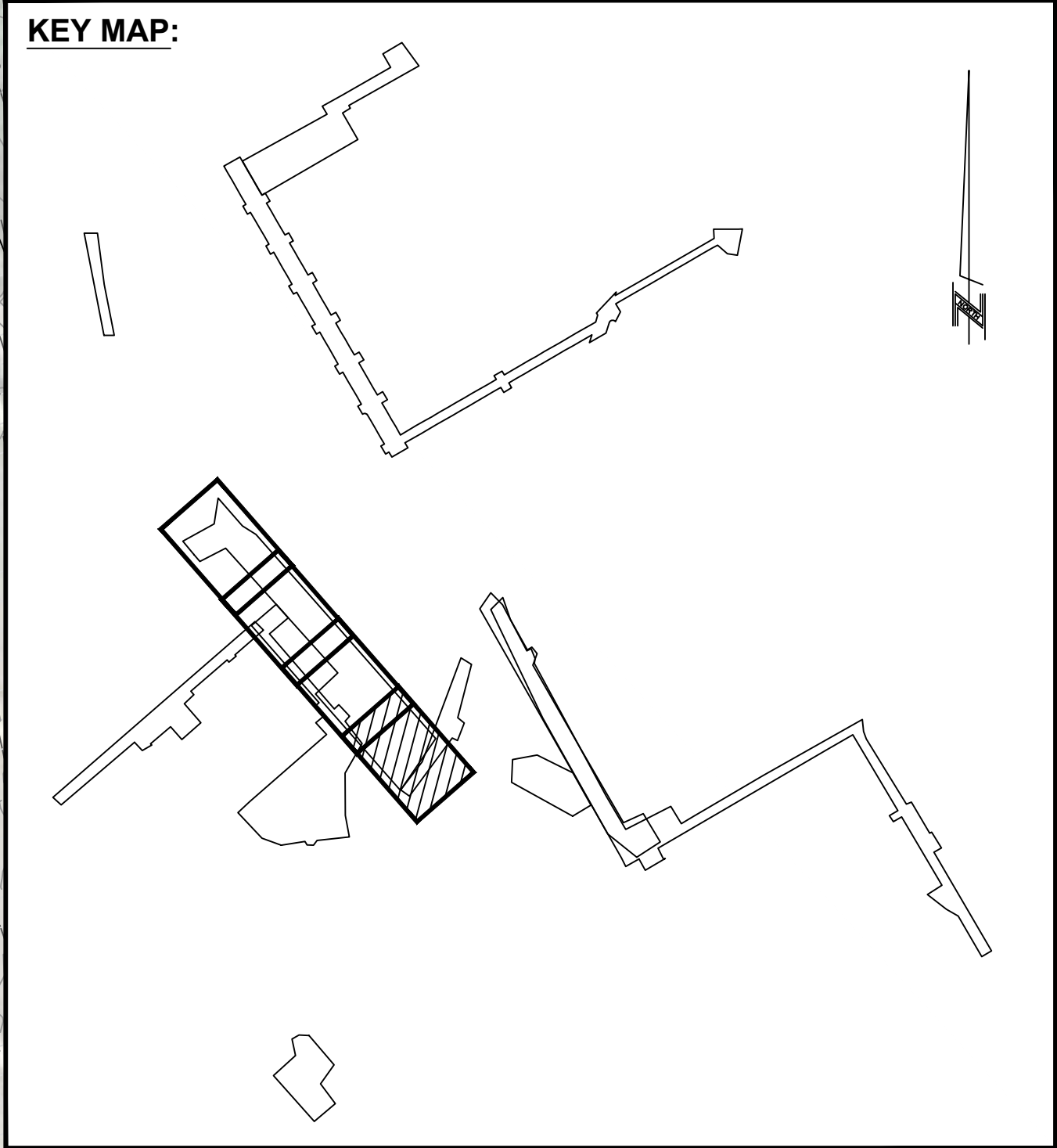


**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
PIONEER CROSSING CULVERT**

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
CB  
DATE  
06/26/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET

**C5-2**  
1 OF X





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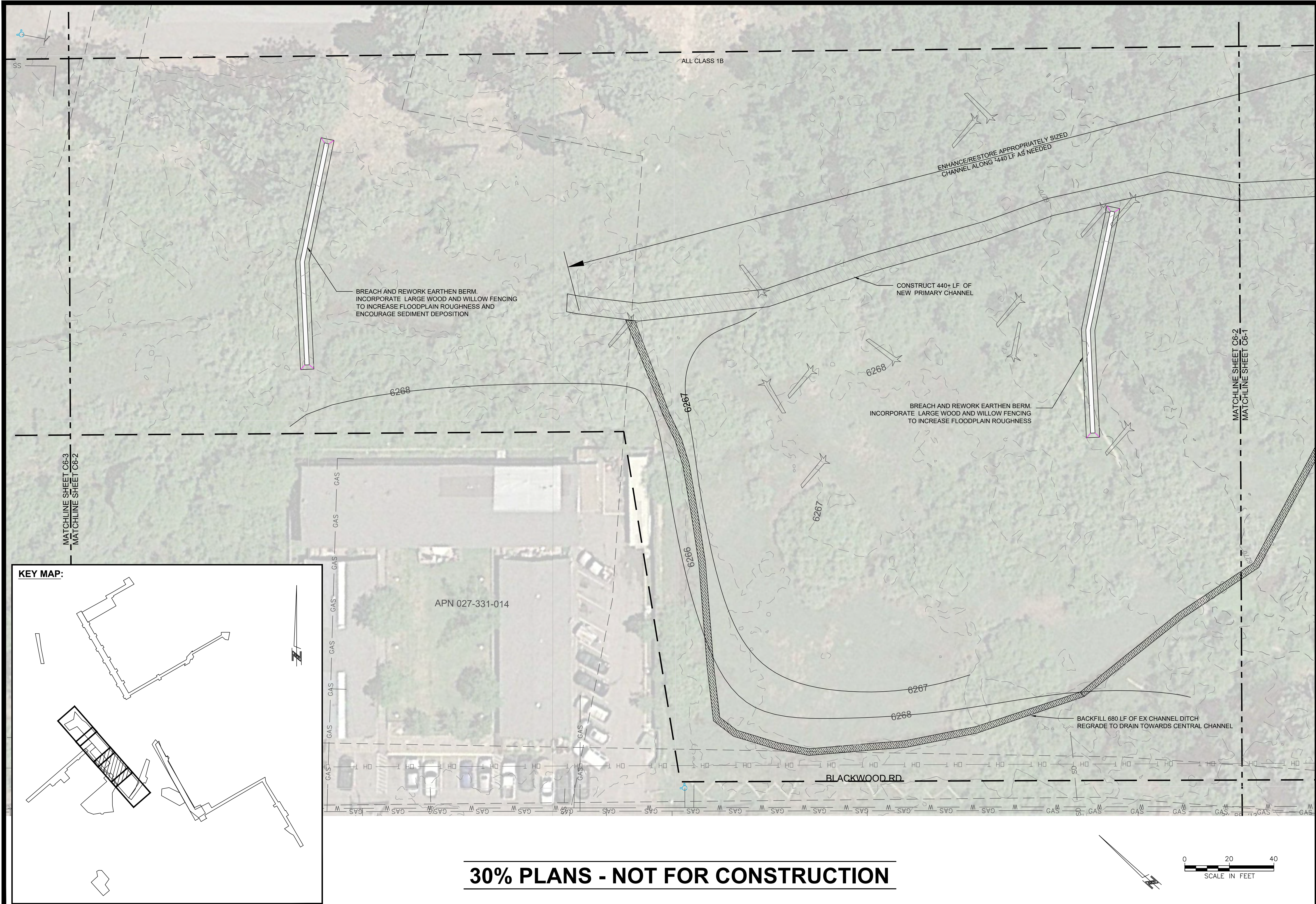
**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT**  
**BIJOU PARK CREEK SEZ  
ENHANCEMENT**

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
MK  
DATE  
09/04/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK

SHEET  
**C6-1**  
1 OF X

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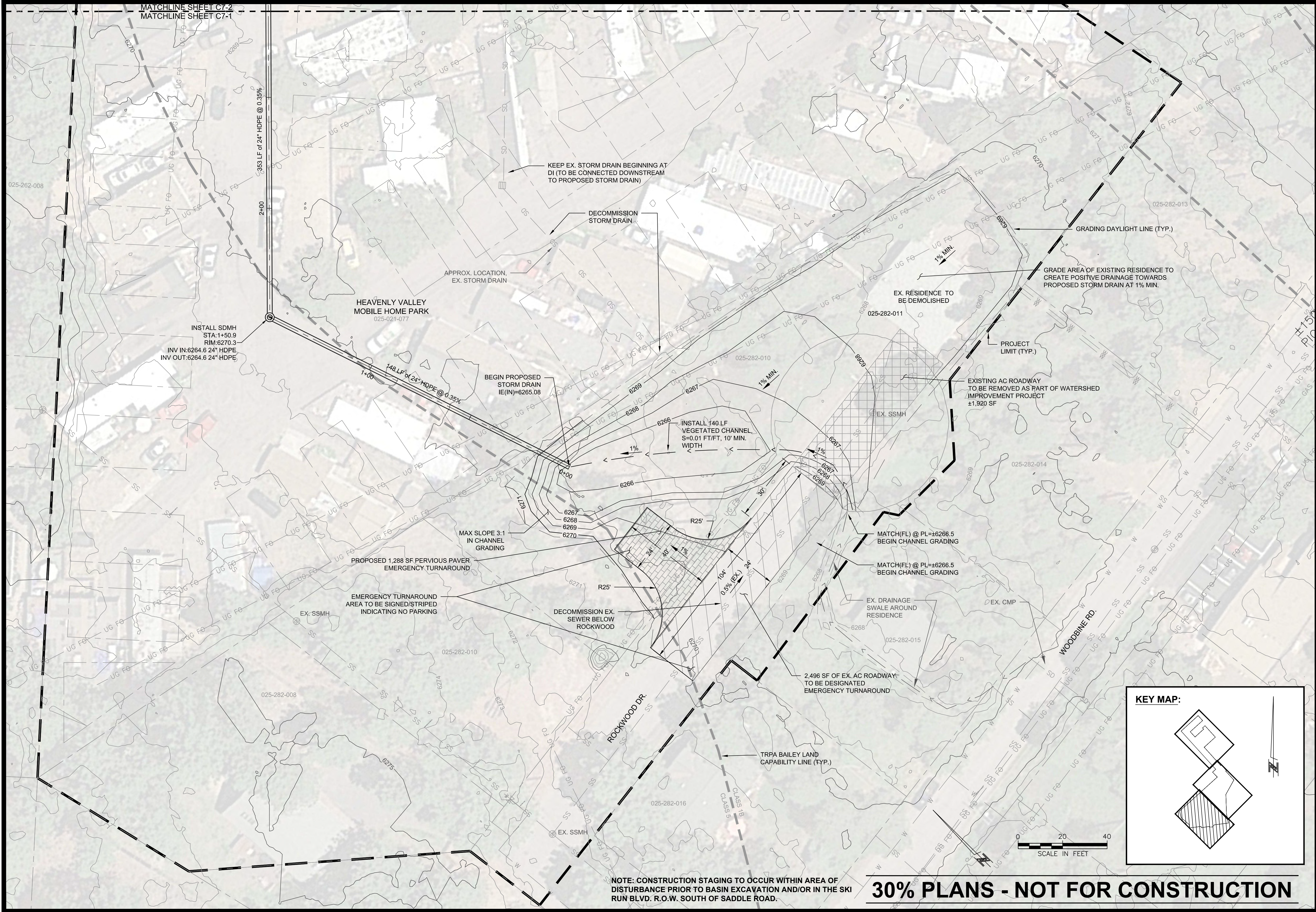


BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
BIJOU PARK CREEK SEZ  
ENHANCEMENT

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
MK  
DATE  
09/04/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET

C6-2  
1 of 36







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Conservation District

BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT

ROCKWOOD TO BLACKWOOD  
DRAINAGE IMPROVEMENTS

|                |                  |
|----------------|------------------|
| DESIGNED/DRAWN | PJ/PJ            |
| CHECKED        | MK               |
| DATE           | 07/31/2020       |
| SCALE          | AS INDICATED     |
| PROJECT        | BIJOU PARK CREEK |
| SHEET          | C7-1             |

1 OF X

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BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT

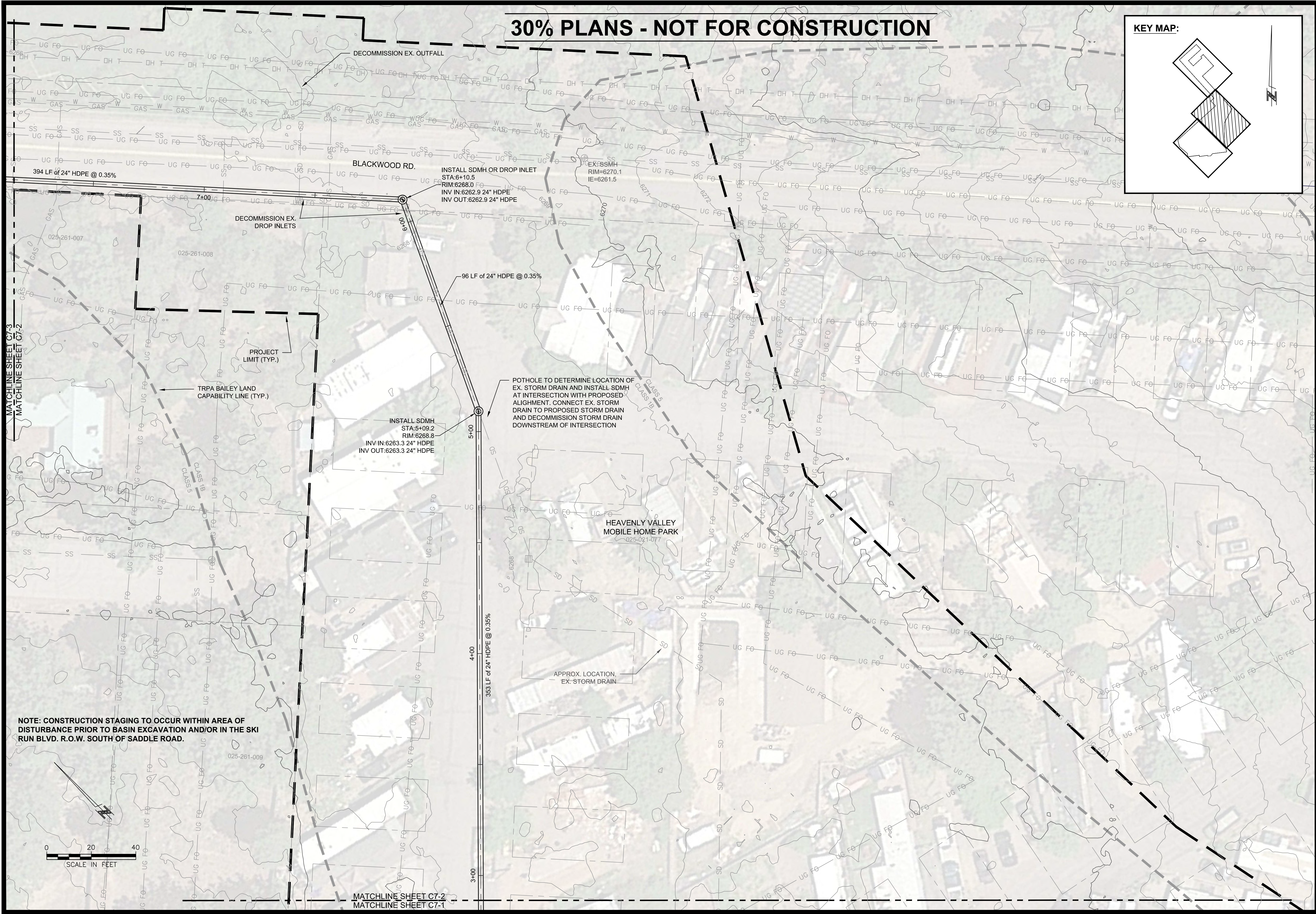
ROCKWOOD TO BLACKWOOD  
DRAINAGE IMPROVEMENTS

|                |                  |
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| CHECKED        | MK               |
| DATE           | 07/31/2020       |
| SCALE          | AS INDICATED     |
| PROJECT        | BIJOU PARK CREEK |
| SHEET          | C7-1             |

C7-1  
1 OF X

30% PLANS - NOT FOR CONSTRUCTION





BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT  
ROCKWOOD TO BLACKWOOD  
DRAINAGE IMPROVEMENTS

DESIGNED/DRAWN  
PJ/PJ  
CHECKED  
MK  
DATE  
07/31/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK

SHEET  
**C7-2**  
1 OF X

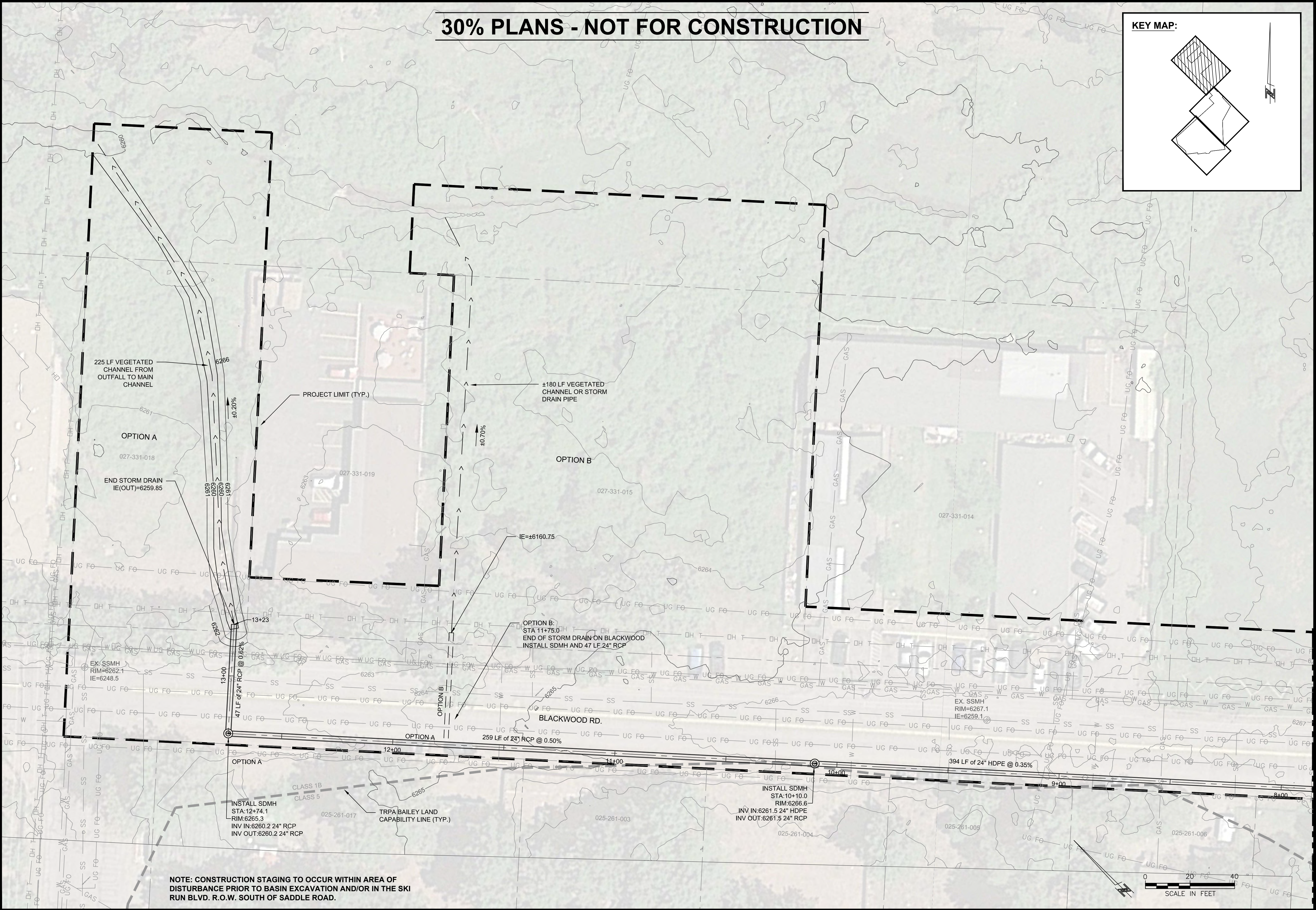
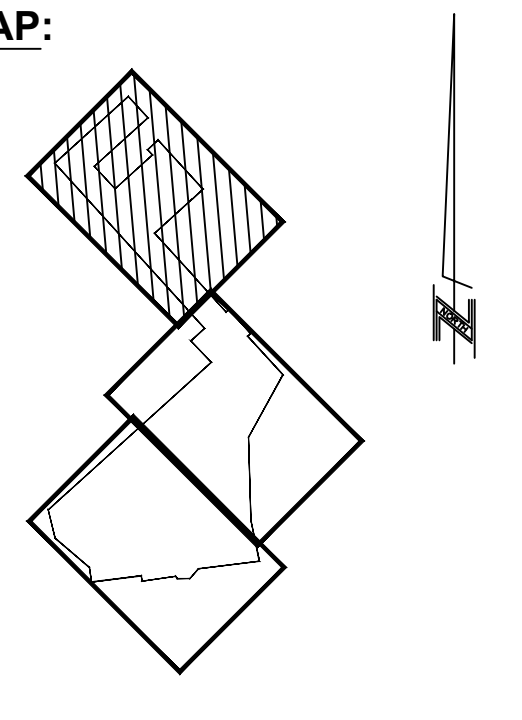


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KEY MAP:



NOTE: CONSTRUCTION STAGING TO OCCUR WITHIN AREA OF DISTURBANCE PRIOR TO BASIN EXCAVATION AND/OR IN THE SKI RUN BLVD. R.O.W. SOUTH OF SADDLE ROAD.

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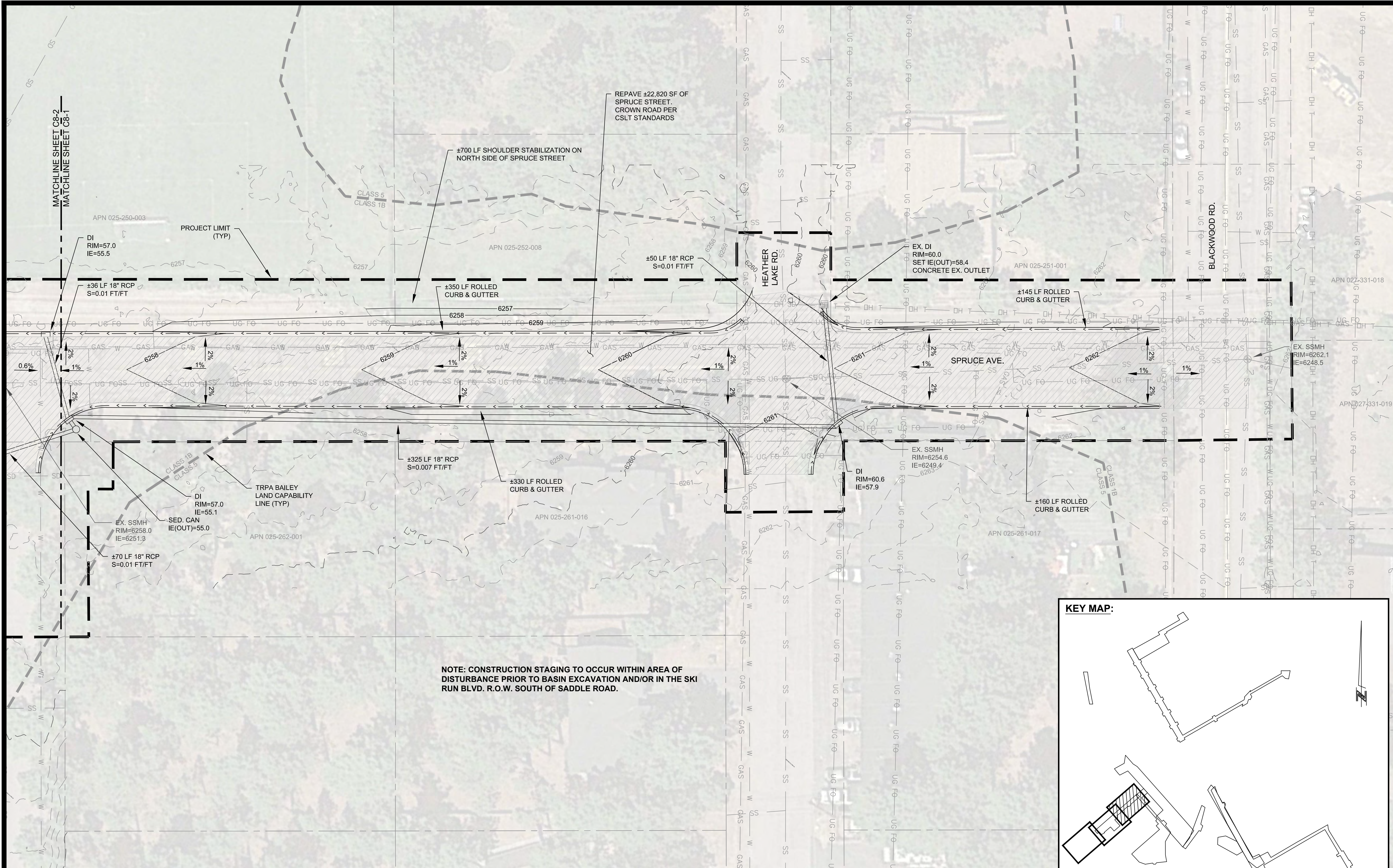
**Nevada Tahoe Conservation District**

**BIJOU PARK CREEK WATERSHED RESTORATION PROJECT**  
**ROCKWOOD TO BLACKWOOD DRAINAGE IMPROVEMENTS**

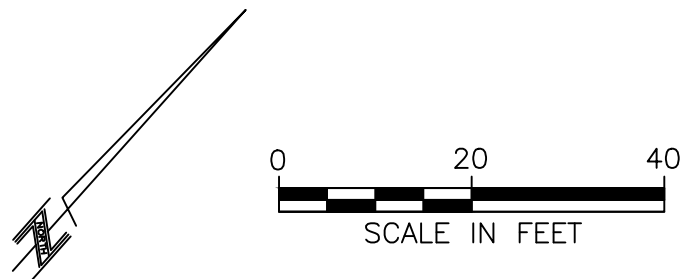
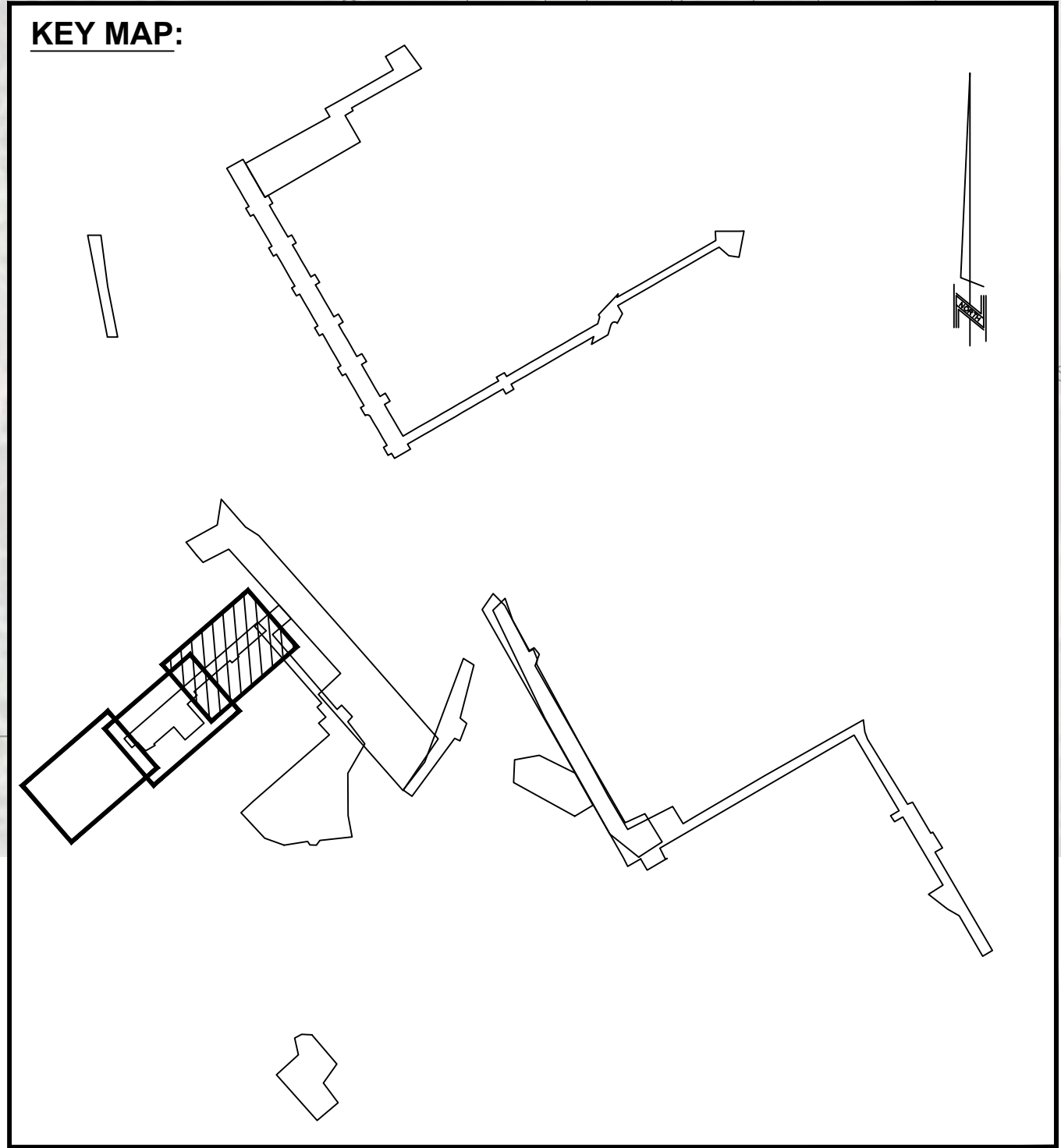
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|----------------|------------------|
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| CHECKED        | MK               |
| DATE           | 07/31/2020       |
| SCALE          | AS INDICATED     |
| PROJECT        | BIJOU PARK CREEK |
| SHEET          |                  |

**C7-3**  
1 OF X





NOTE: CONSTRUCTION STAGING TO OCCUR WITHIN AREA OF DISTURBANCE PRIOR TO BASIN EXCAVATION AND/OR IN THE SKI RUN BLVD. R.O.W. SOUTH OF SADDLE ROAD.

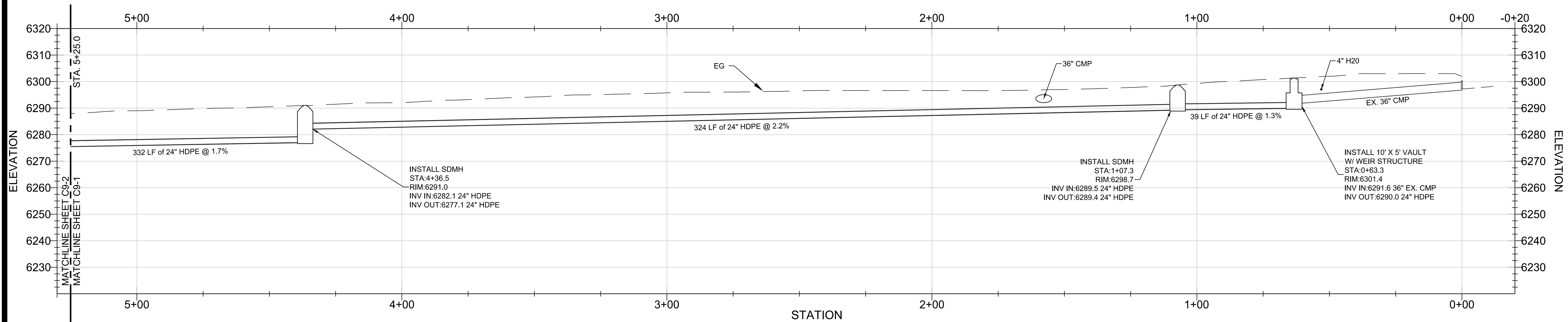
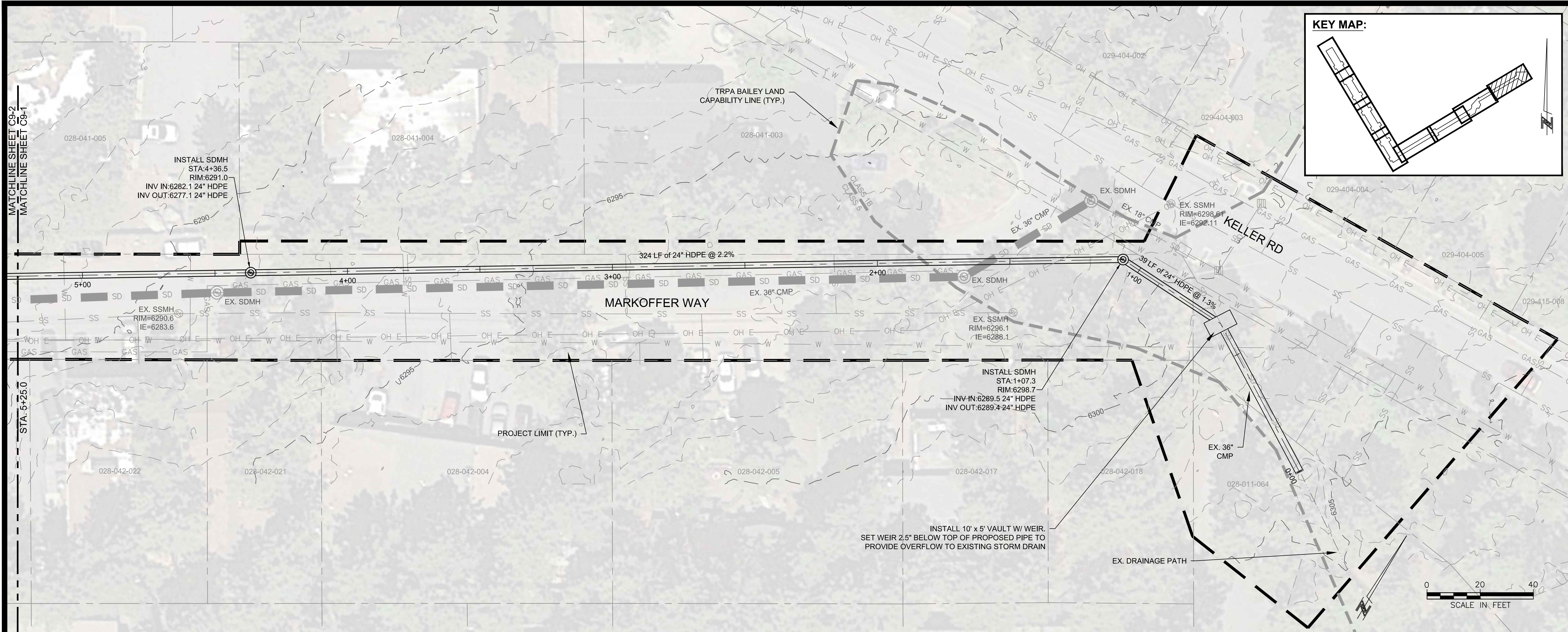


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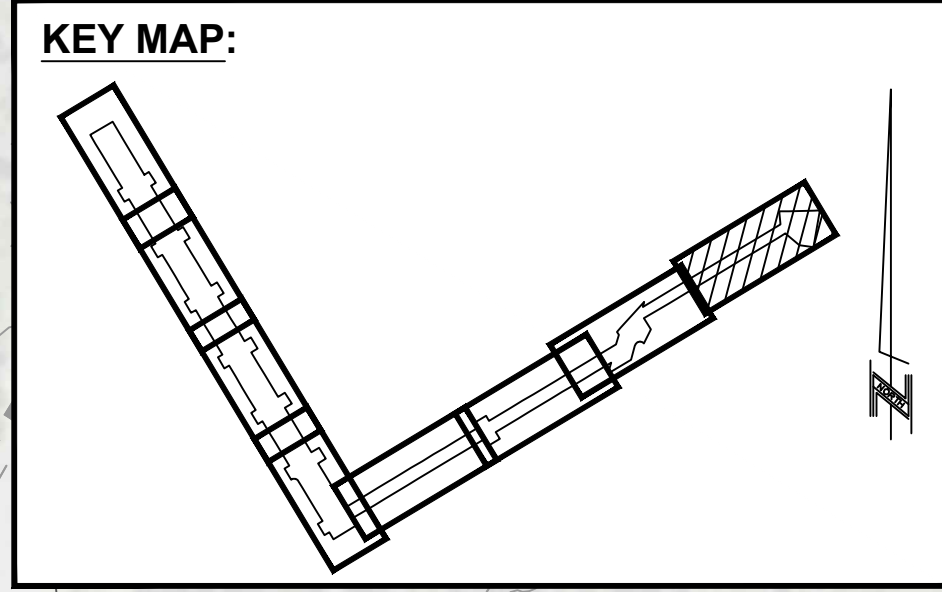




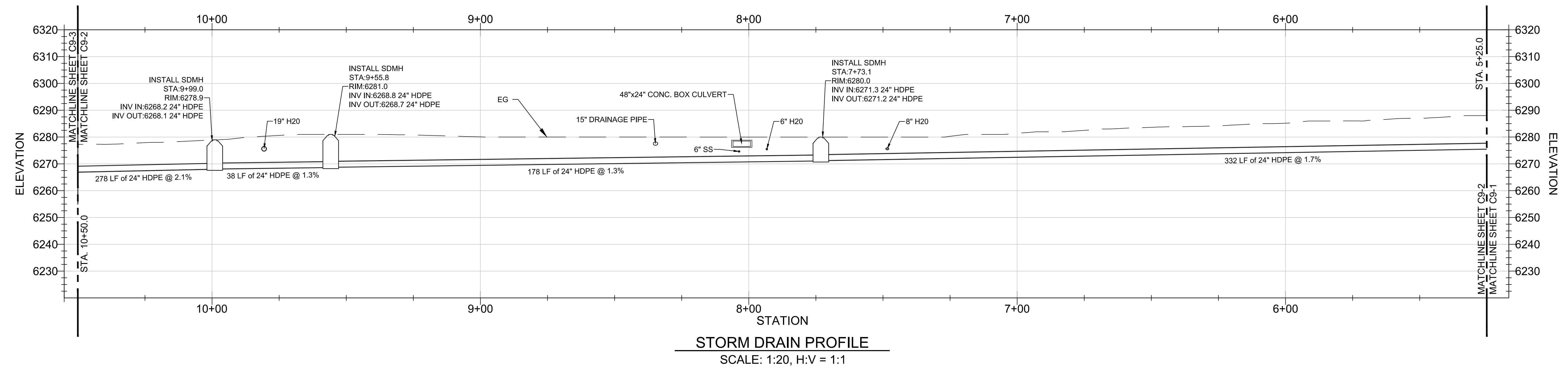
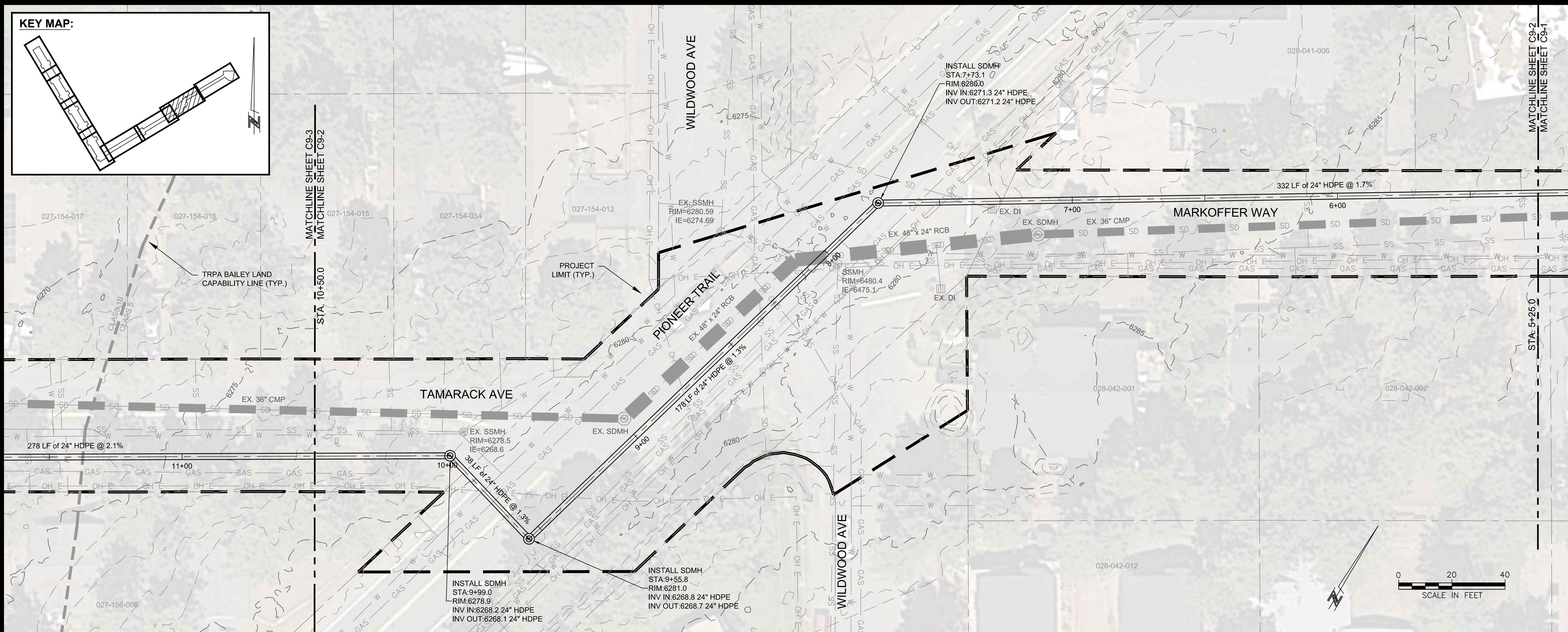


STORM DRAIN PROFILE  
SCALE: 1:20, H:V = 1:1

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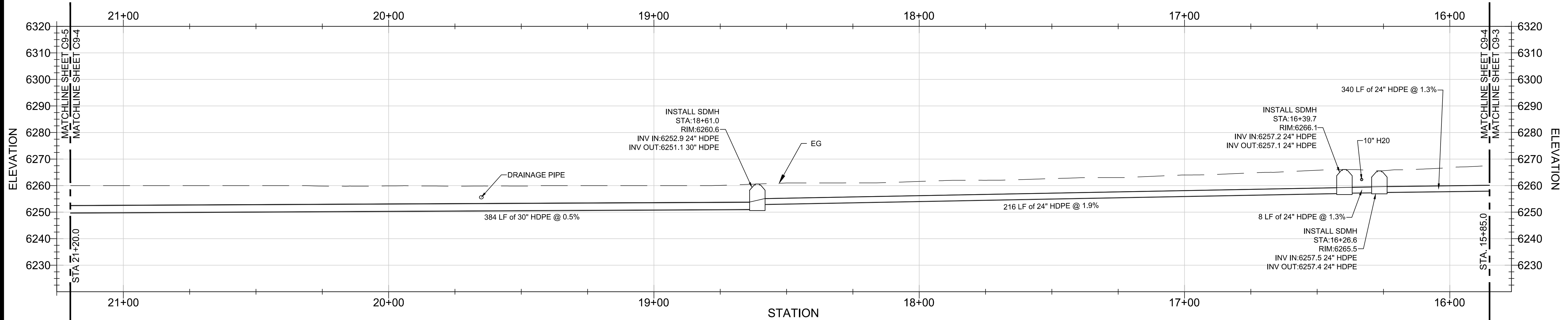
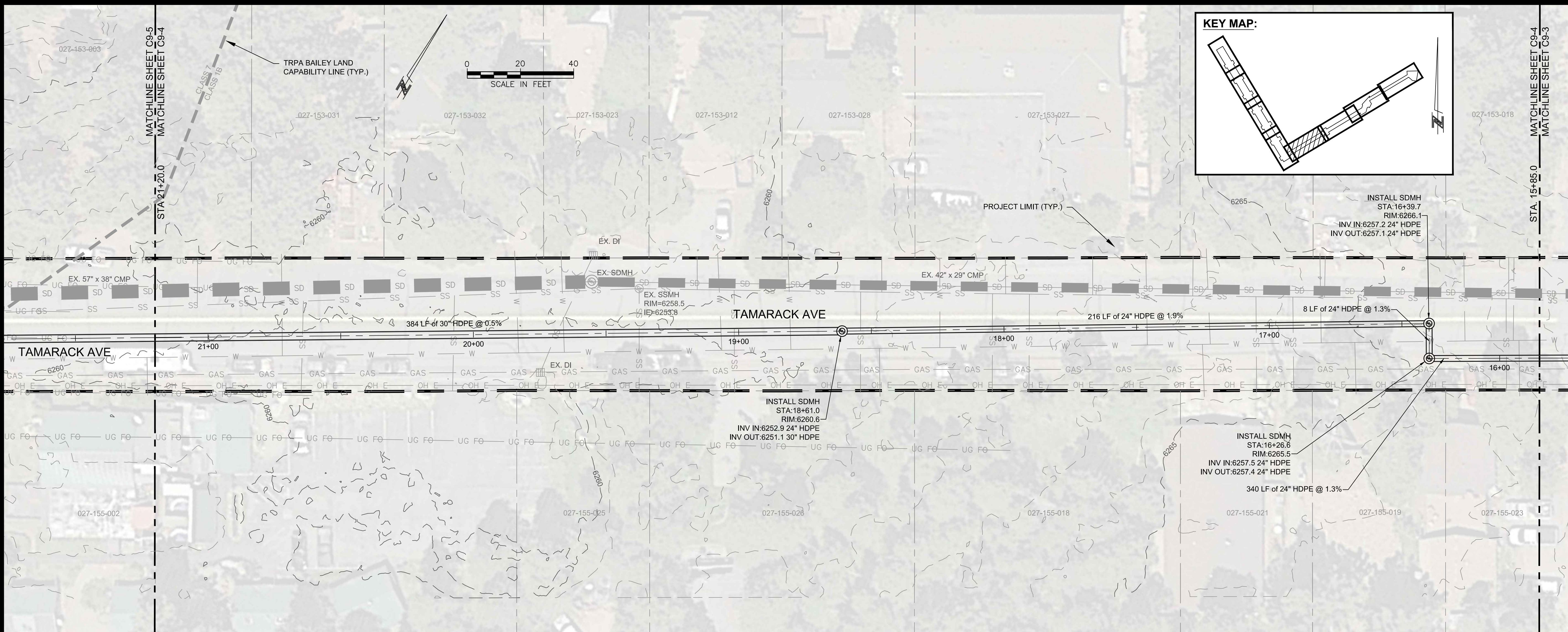


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**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT**



**KELLER CANYON BYPASS**

DESIGNED/DRAWN  
PJ/PJ

CHECKED  
MK

DATE  
07/31/2020

SCALE  
AS INDICATED

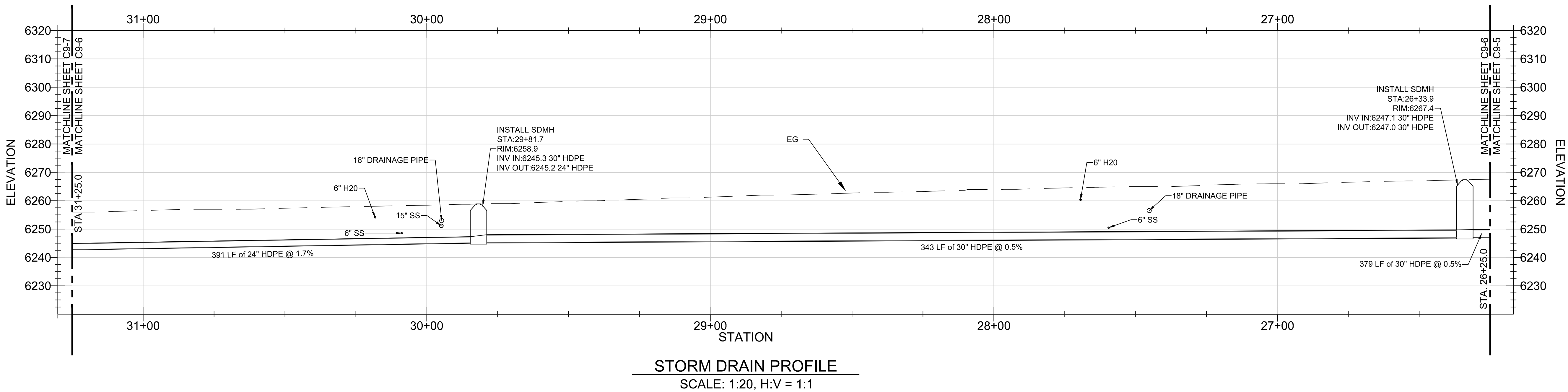
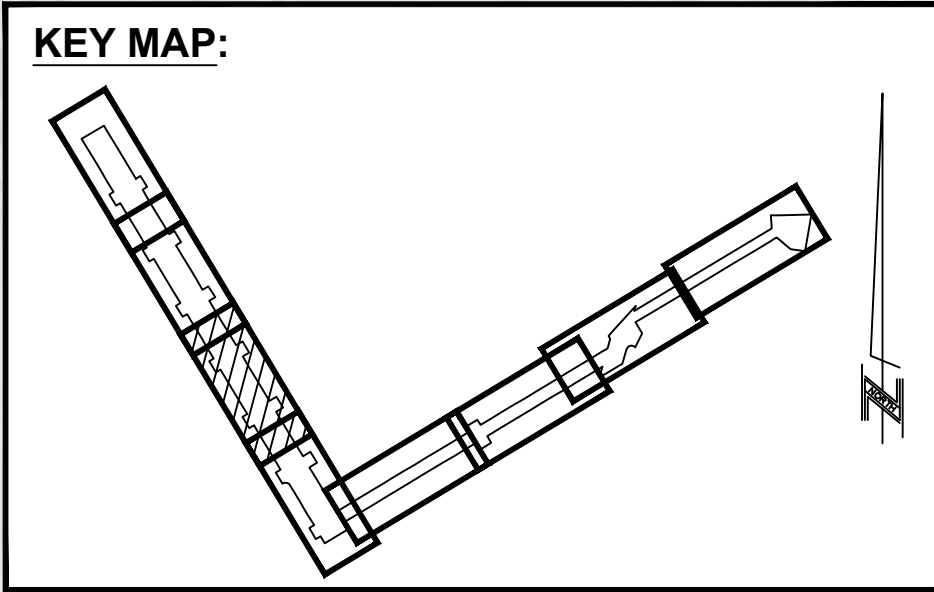
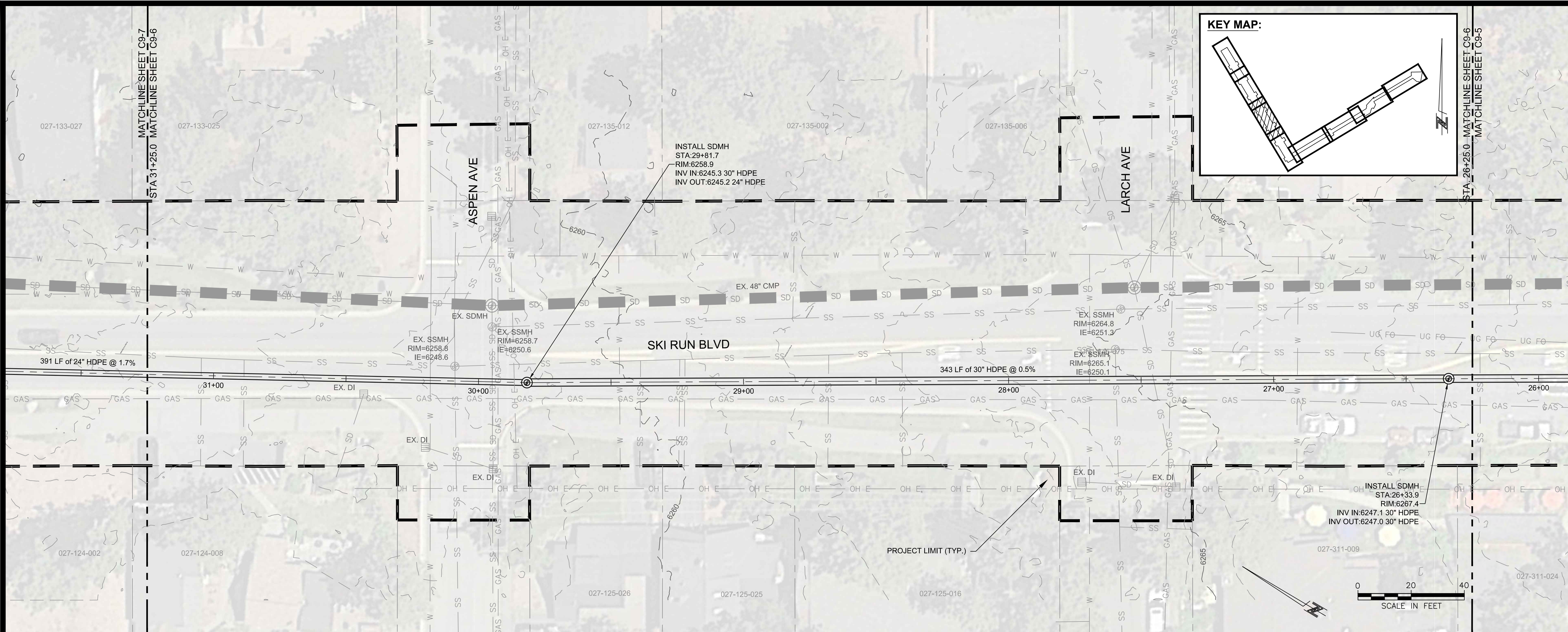
PROJECT  
BIJOU PARK CREEK

SHEET  
**C9-4**  
1 OF X









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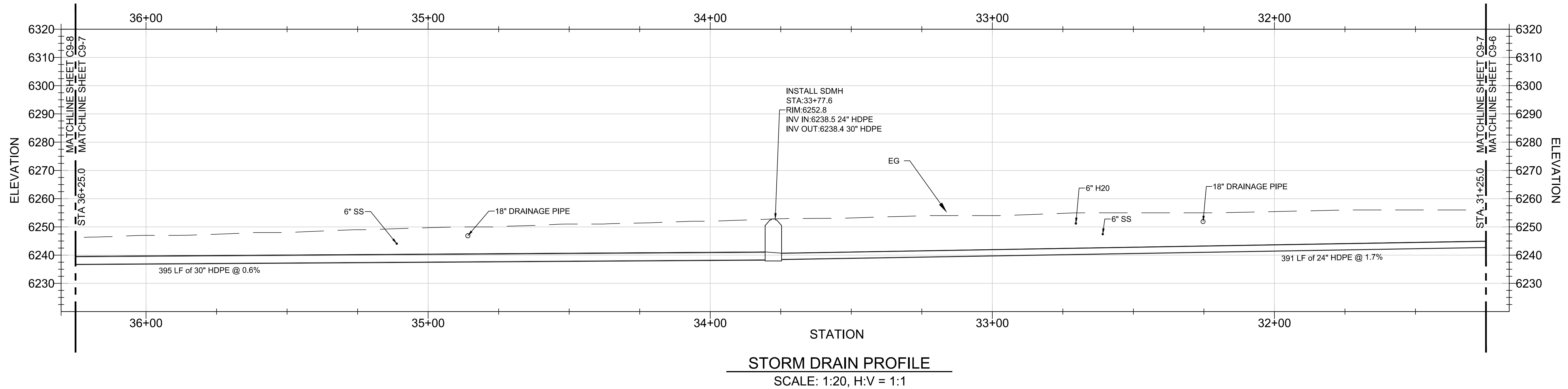
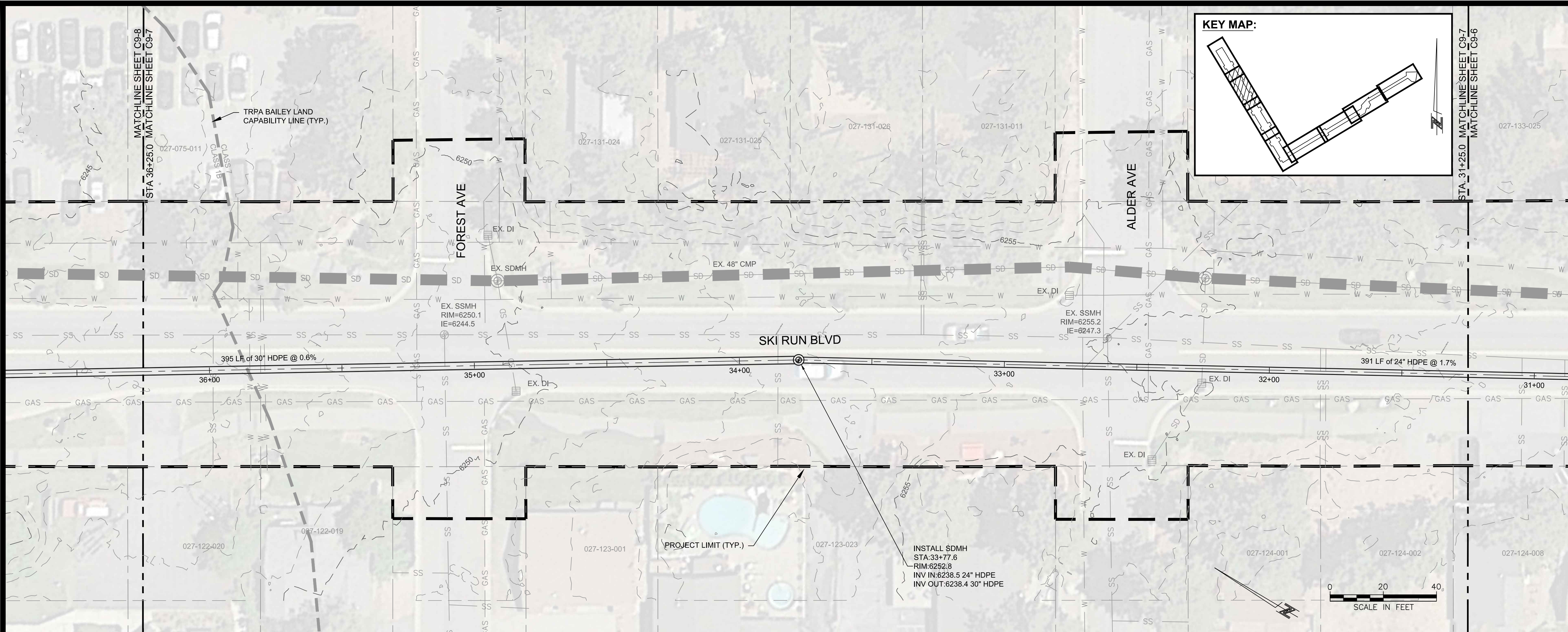
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Conservation District

**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT**

**KELLER CANYON BYPASS**

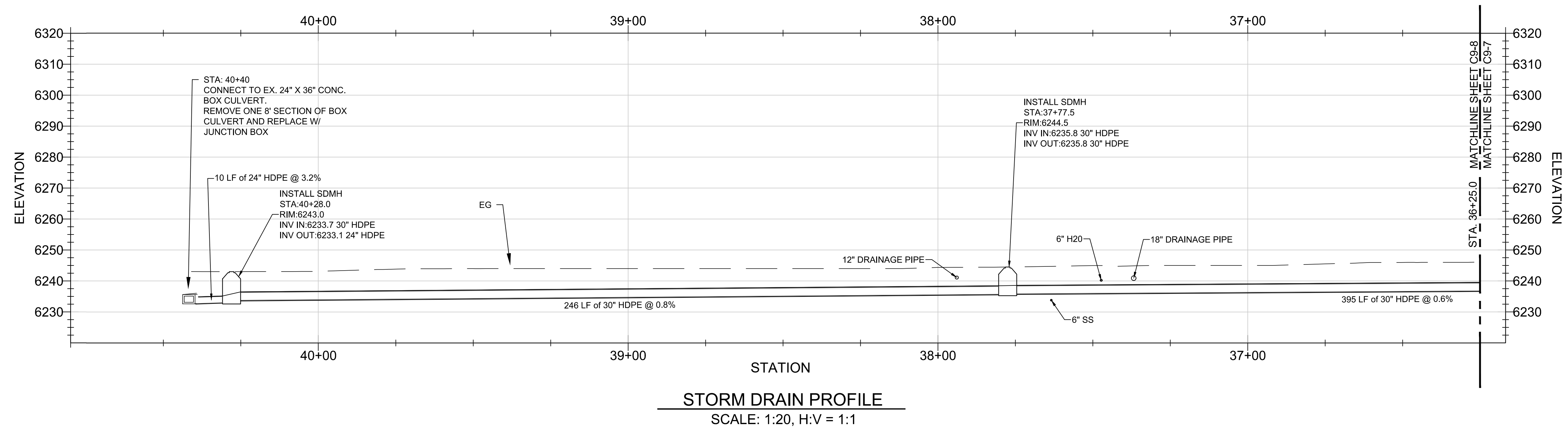
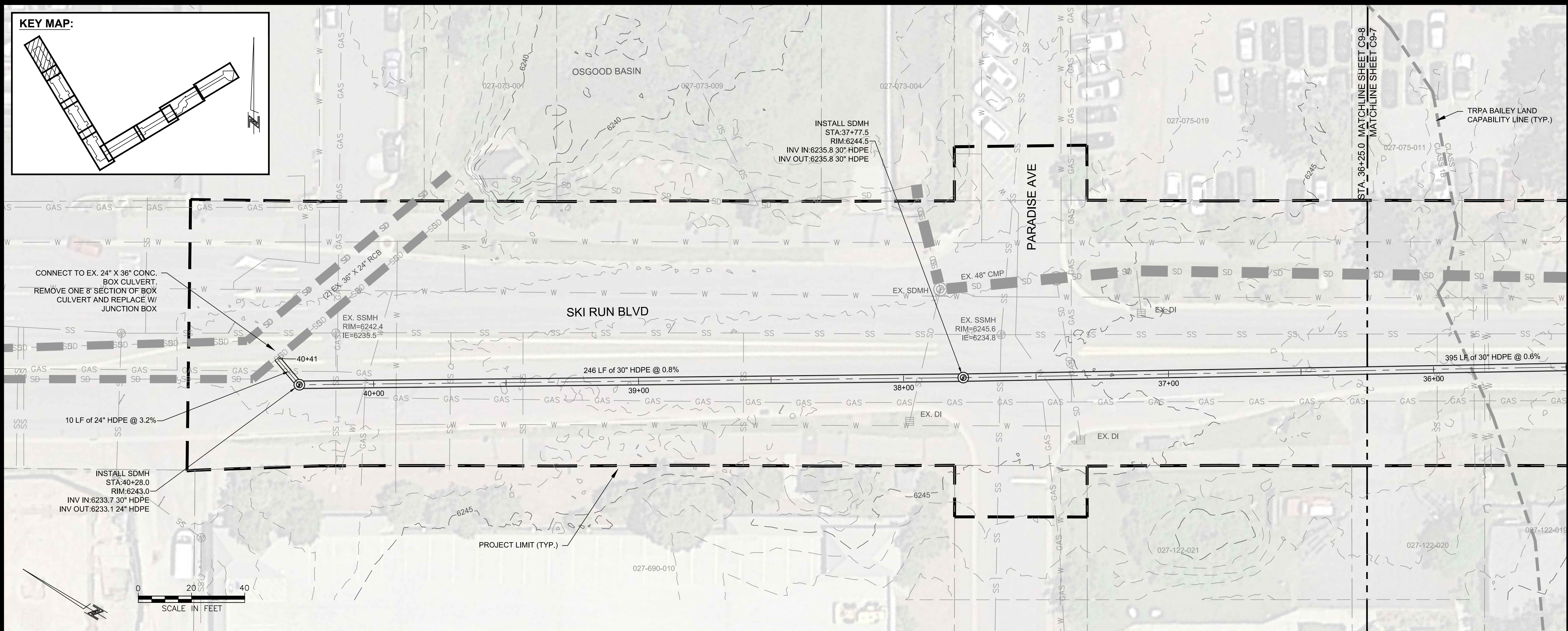
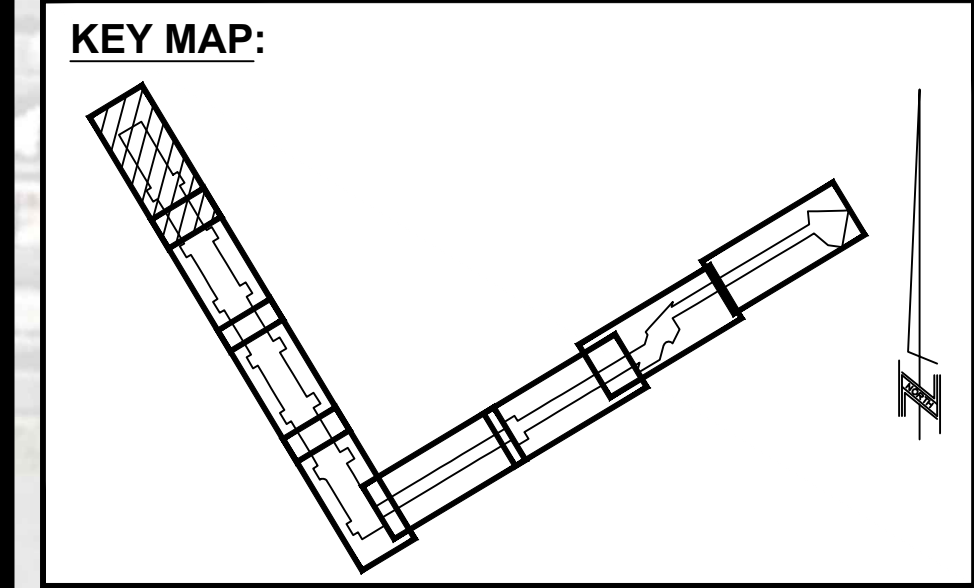
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| PJ/PJ            |
| CHECKED          |
| MK               |
| DATE             |
| 07/31/2020       |
| SCALE            |
| AS INDICATED     |
| PROJECT          |
| BIJOU PARK CREEK |
| SHEET            |
| C9-6             |
| 1 of X           |





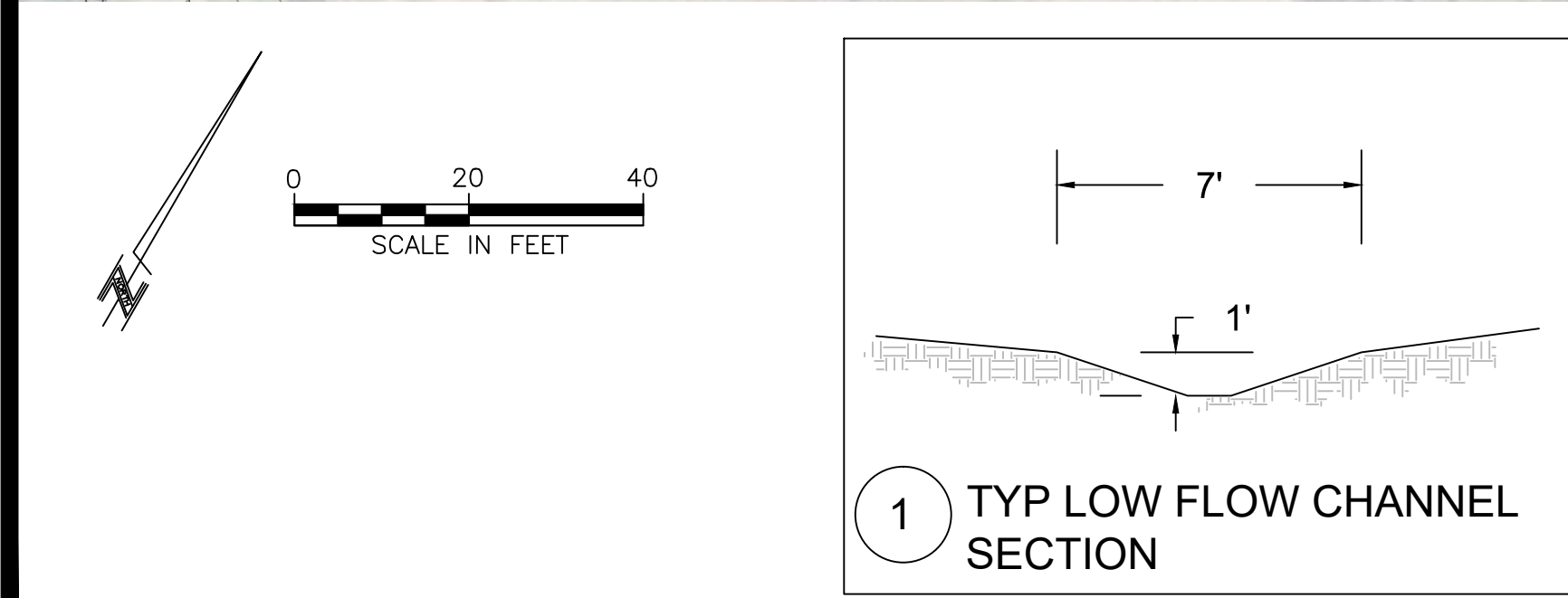
30% PLANS - NOT FOR CONSTRUCTION



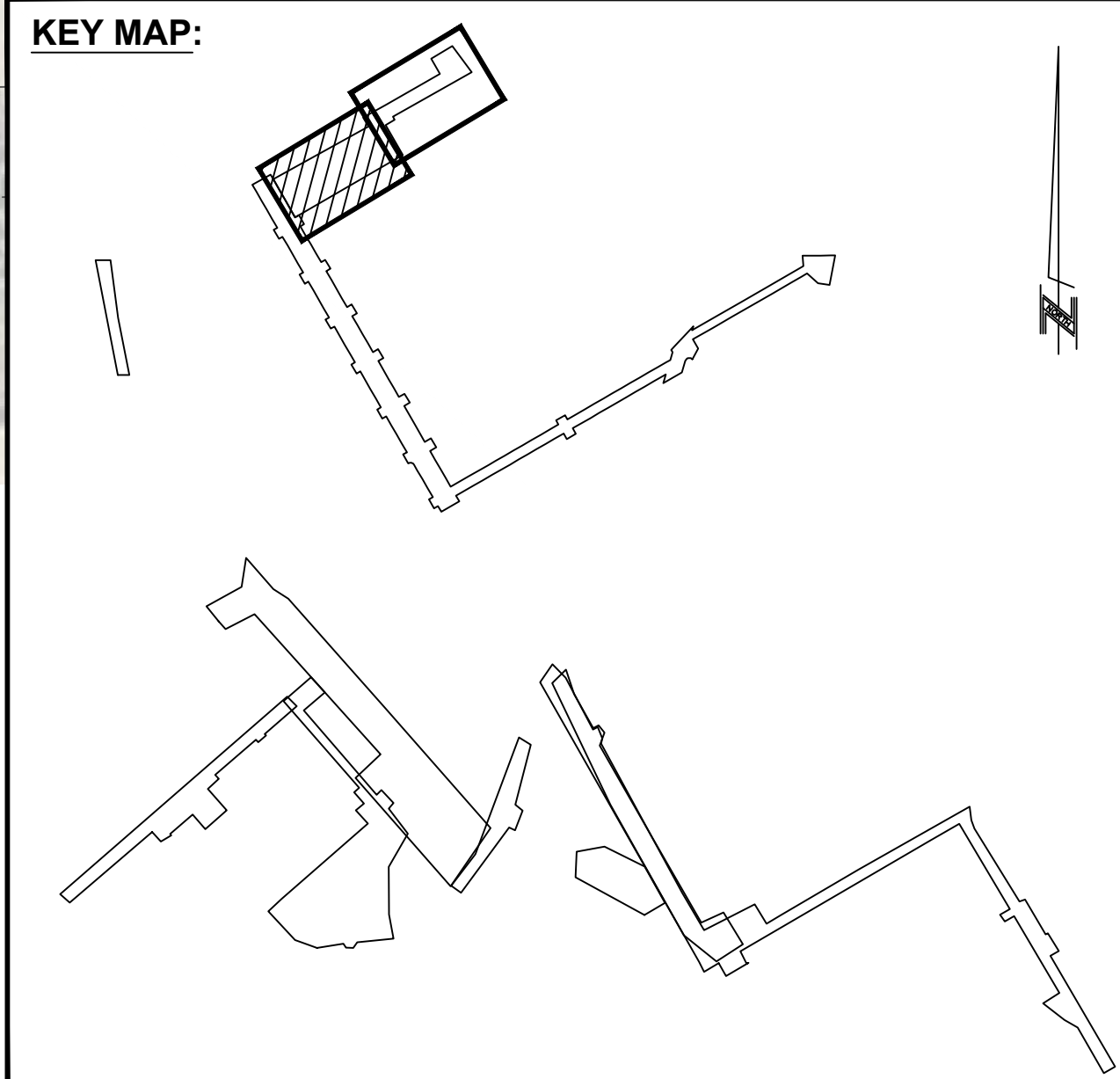


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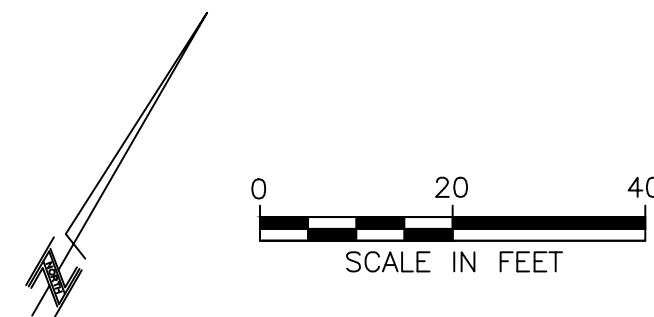
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**BIJOU PARK CREEK WATERSHED RESTORATION PROJECT**

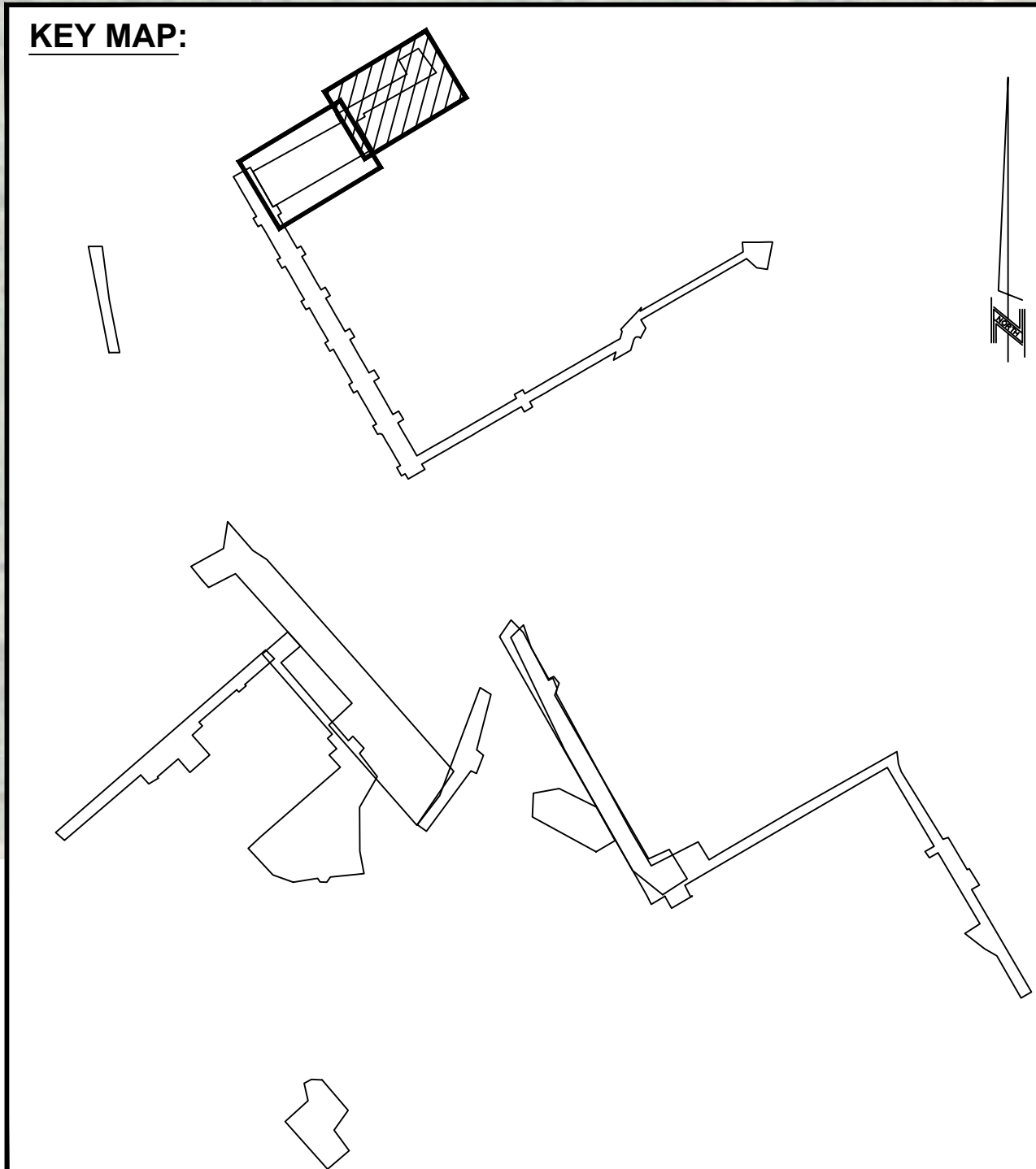
**OSGOOD EXPANSION**

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
CB  
DATE  
09/04/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK  
SHEET  
**C10-1**  
1 OF 36





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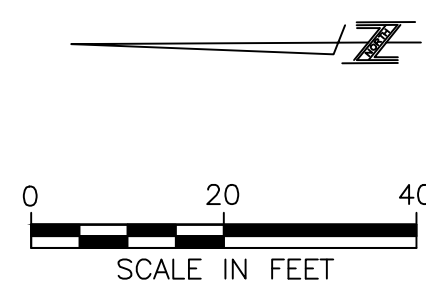
**Nevada Tahoe  
Conservation District**

**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT**

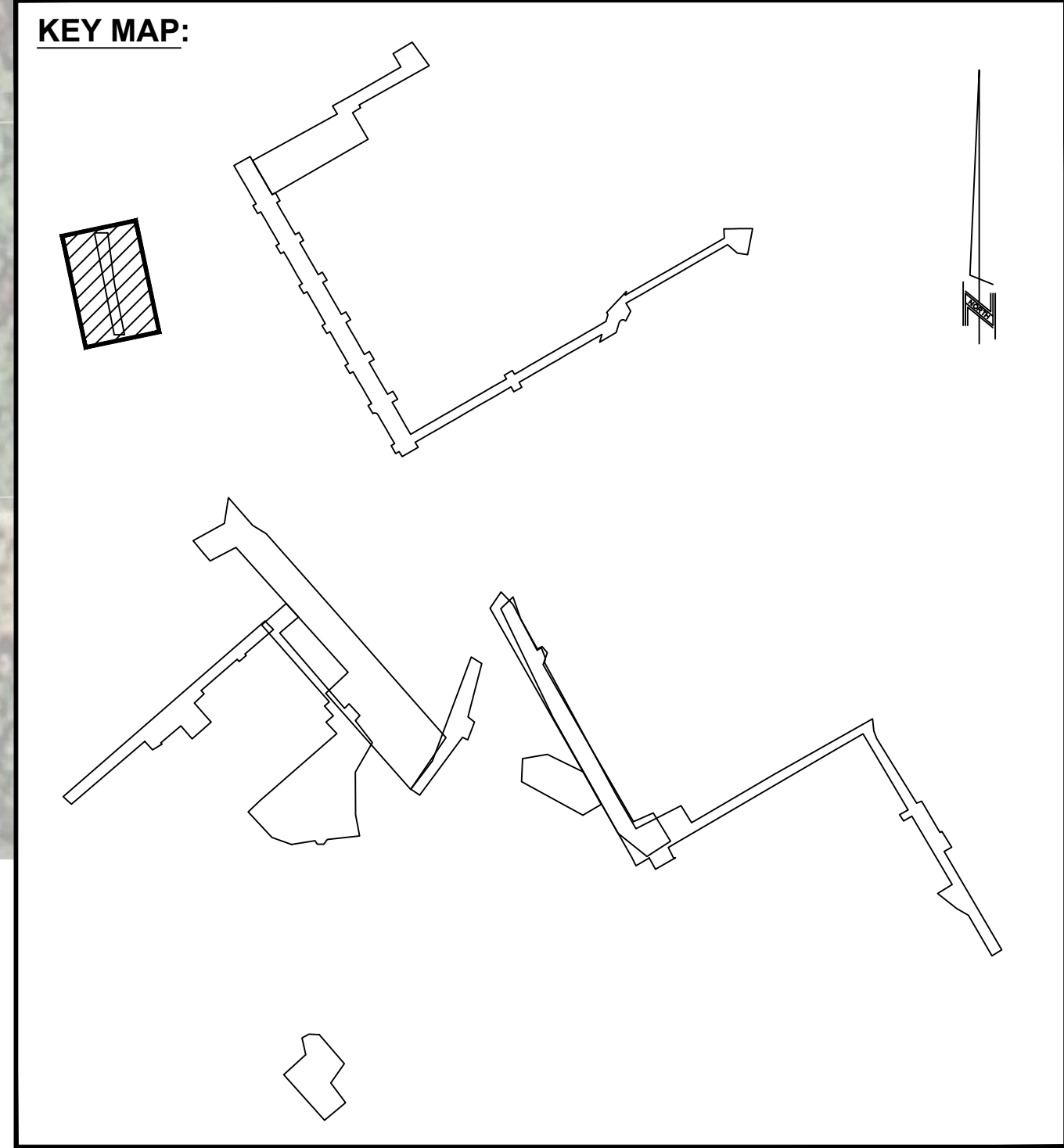
**OSGOOD EXPANSION**

|                                  |
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| CHECKED<br>CB                    |
| DATE<br>09/04/2020               |
| SCALE<br>AS INDICATED            |
| PROJECT<br>BIJOU PARK CREEK      |
| SHEET<br><b>C10-2</b><br>1 OF 36 |





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Conservation District**

**BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT**

**SHIRLEY TO WHOLE FOODS**

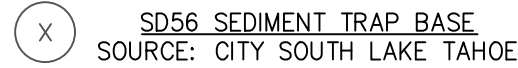
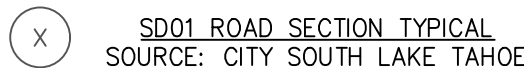
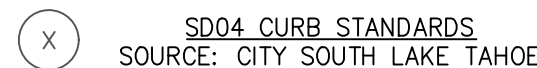
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| CHECKED<br>MK               |
| DATE<br>08/03/2020          |
| SCALE<br>AS INDICATED       |
| PROJECT<br>BIJOU PARK CREEK |
| SHEET                       |

**C11**  
1 of 36

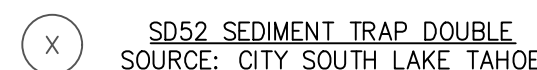
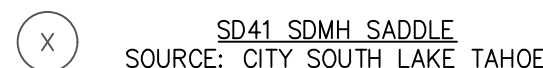
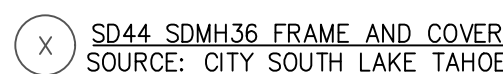




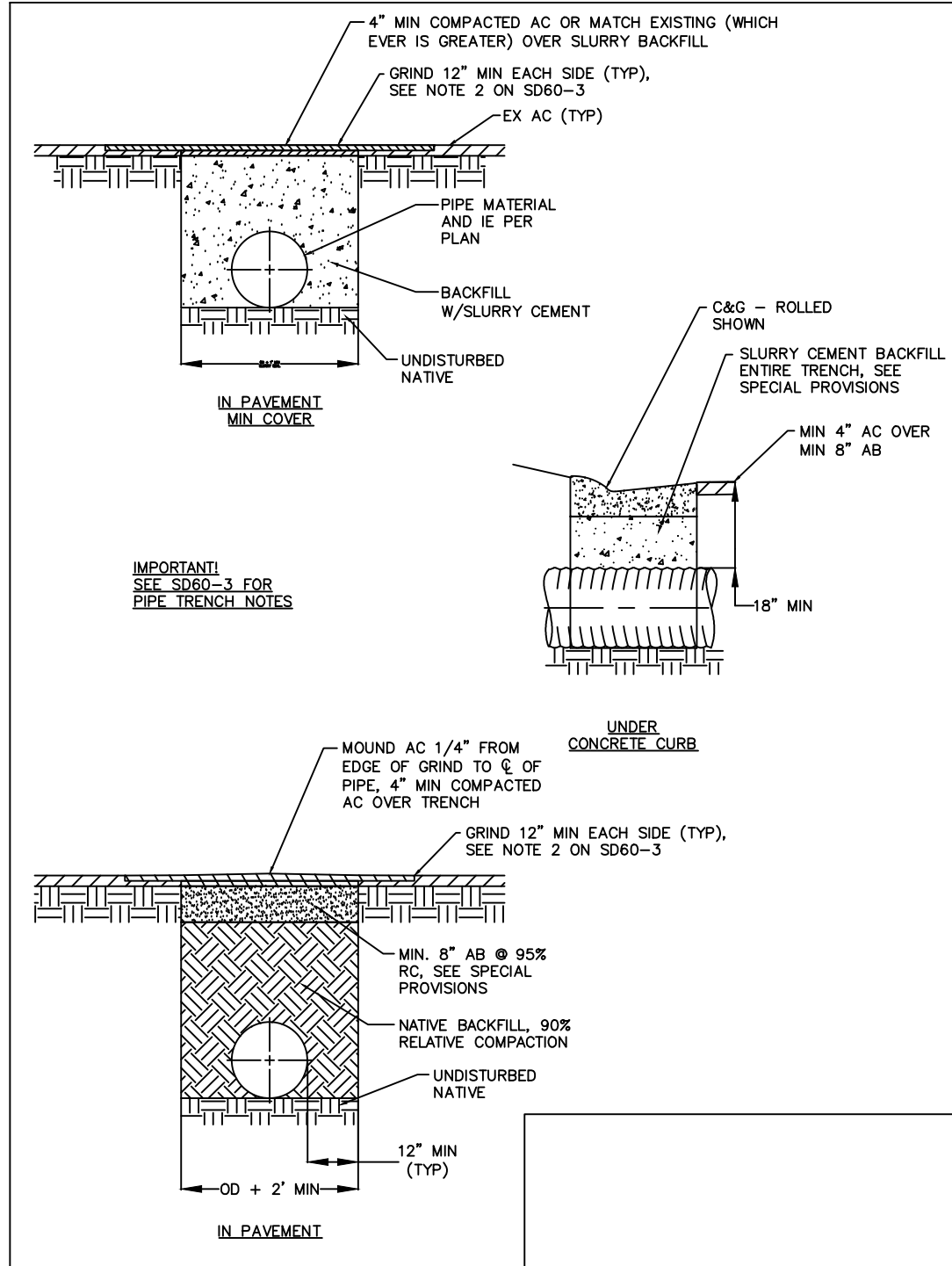
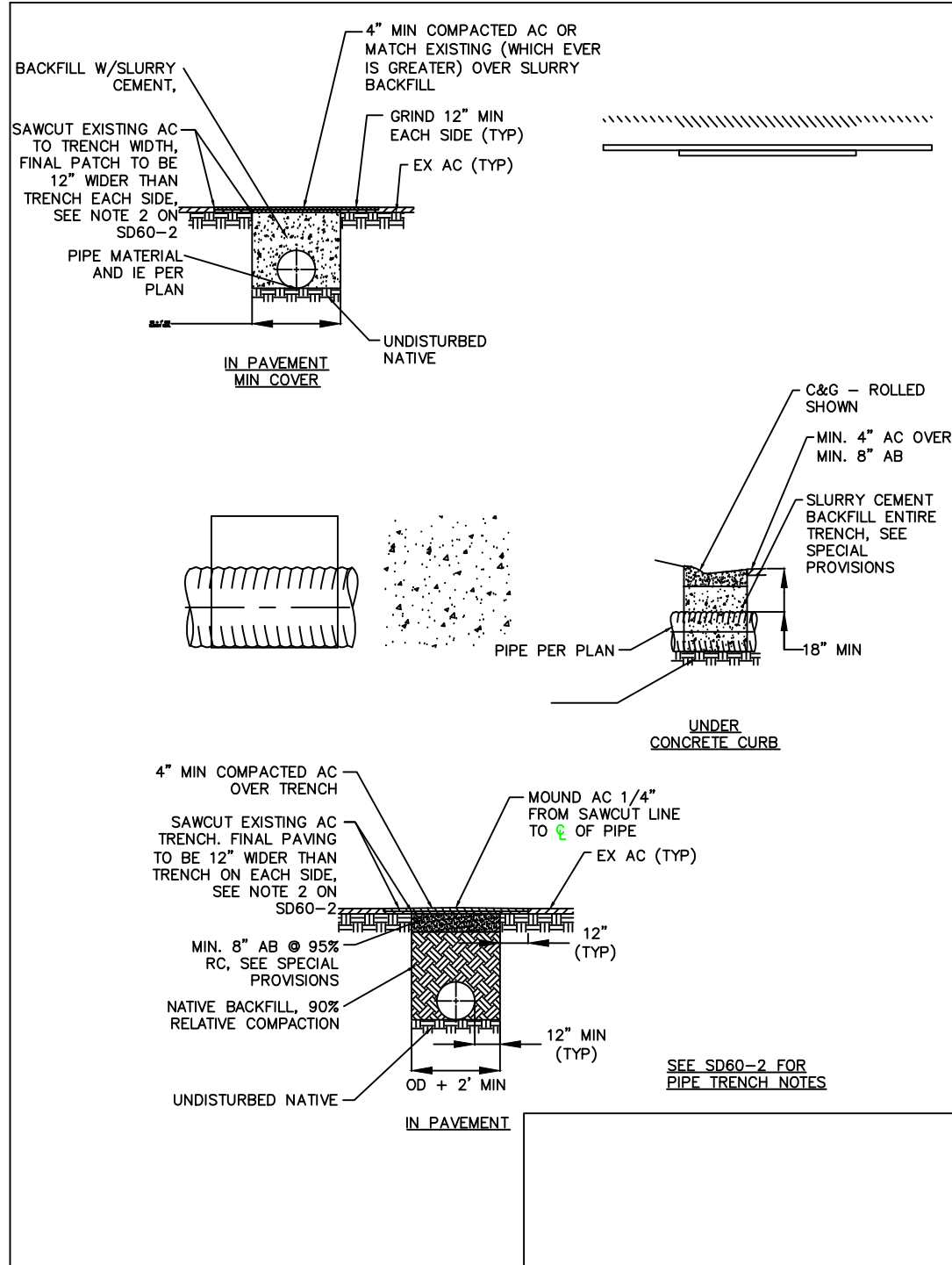
- (X) SD04 CURB STANDARDS  
SOURCE: CITY SOUTH LAKE TAHOE



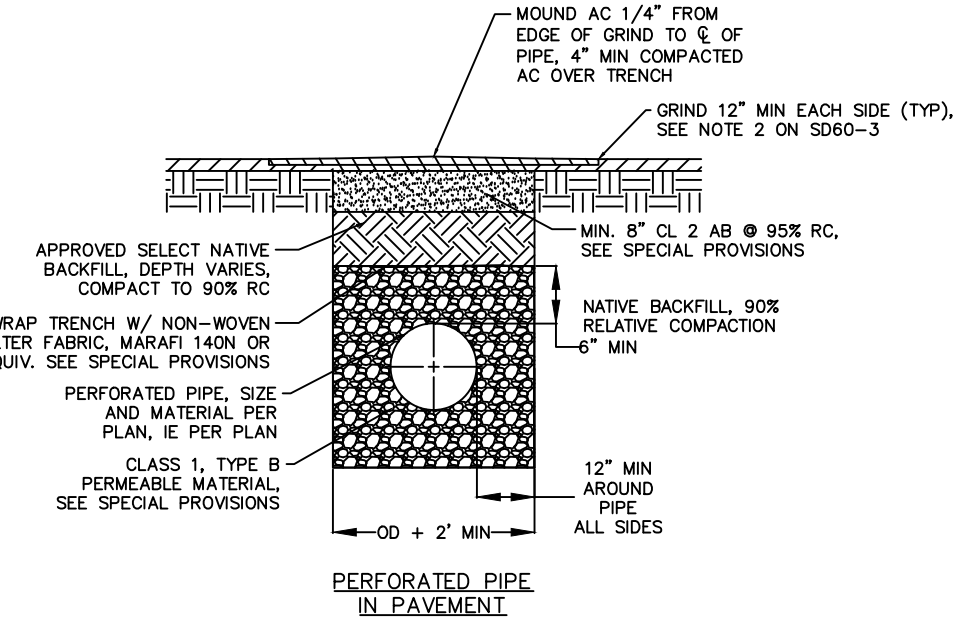
- 
- PICK HOLE DETAIL





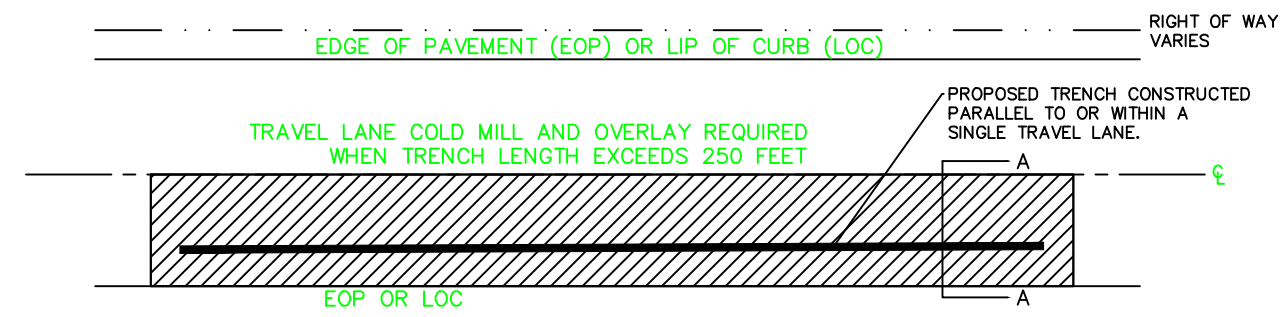


SD60-1 TRENCH CONDUITS IN PAVEMENT  
SOURCE: CITY SOUTH LAKE TAHOE



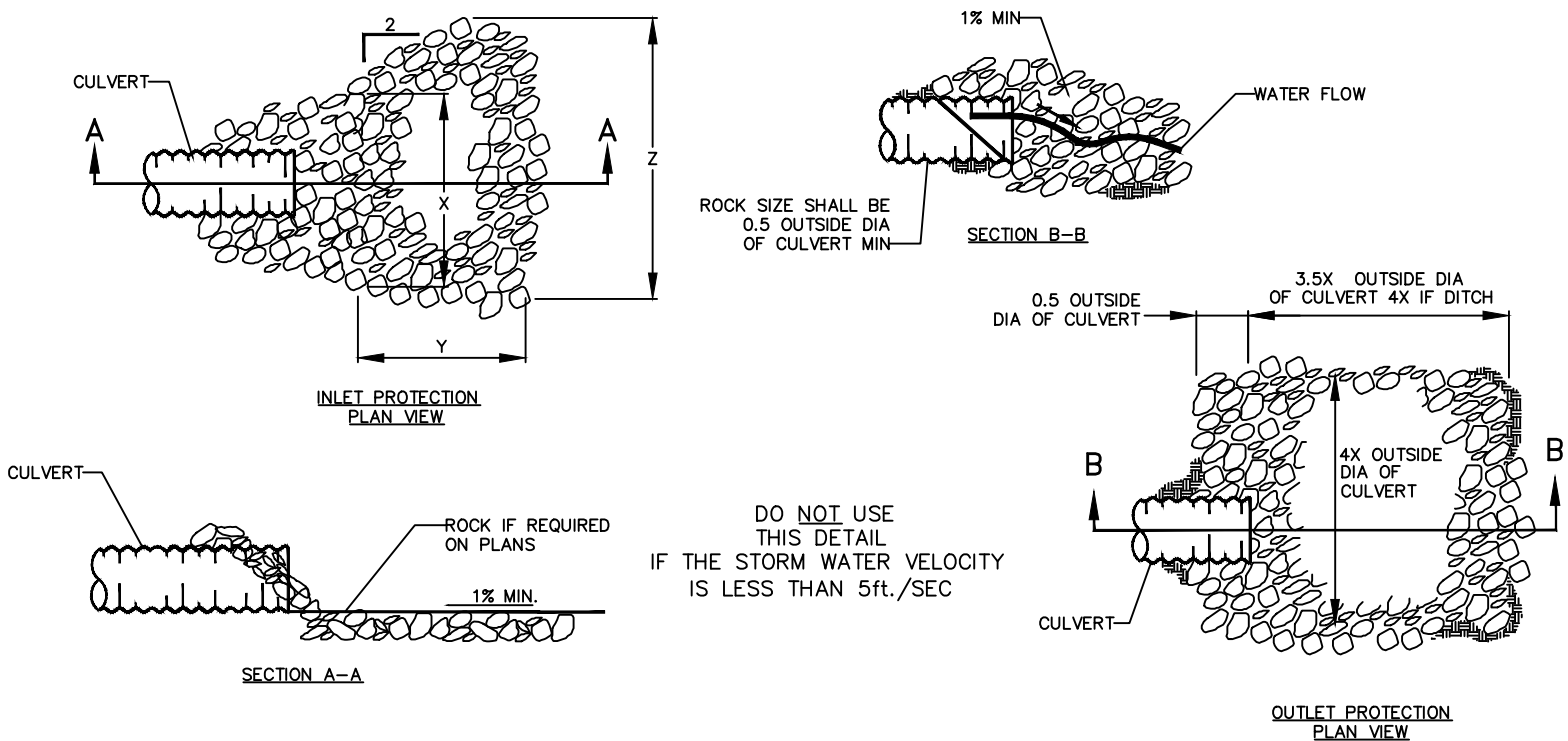
- NOTES:
- MINIMUM COVER\* FROM CROWN OF PIPE TO FINISH GRADE SHALL BE AS FOLLOWS:  
CULVERTS 18 INCHES  
STORM DRAINS 18 INCHES FOR RCP  
24 INCHES FOR HDPE  
\*UNLESS OTHERWISE APPROVED, SEE ALSO SD64.
  - GRIND PAVEMENT A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE LONGITUDINAL OR TRANSVERSE EXCAVATION AFTER TRENCH BACKFILL AND FIRST LIFT OF HOT MIX AC.
  - REPLACE PAVEMENT TO EDGE OF PAVEMENT (EP) IF THE EXCAVATION IS WITHIN 3 FEET OF THE EP.
  - IN WET OR ROCKY MATERIAL THE DEPTH OF THE TRENCH BEDDING SHALL BE INCREASED TO THE LARGER OF EITHER 6 IN. OR 1/4 DIA OF PIPE.
  - FOR CULVERTS/STORM DRAINS THE MINIMUM DISTANCE BETWEEN THE SIDE OF THE TRENCH AND THE SIDE OF THE PIPE SHALL BE 1/2 OD OR 12", WHICHEVER IS GREATER.
  - STORM DRAINS AND CULVERTS INSTALLED WITHIN FILL SHALL BE 95% RELATIVE COMPACTION UP TO A MINIMUM OF 12 INCHES ABOVE THE TOP OF PIPE.
  - IN AREAS WITH MINIMUM COVER, BACKFILL ABOVE BEDDING SHALL BE CLASS 2 AGGREGATE BASE UNLESS BACKFILLING WITH CEMENT SLURRY.
  - IN AREAS OF NATURAL VEGETATION OR LANDSCAPING, REMOVE TOP 12 INCHES OF MATERIAL, STOCKPILE & REPLACE ON TRENCH IN A MOUND, BACKFILL BETWEEN 80% AND 90% RELATIVE COMPACTION.
  - ALL LANDSCAPING CONDUITS WITHIN THE ROADWAY PRISM AND/OR TRAFFIC AREAS MUST HAVE MINIMUM OF 30 INCHES COVER.
  - AC PATCH SHALL BE HOTMIX ASPHALT A MINIMUM COMPACTED THICKNESS OF 4 INCHES AND PLACED IN A MINIMUM OF 2 LIFTS.
  - COLD MIX ASPHALT MAY BE PLACED TEMPORARILLY, BUT MUST BE COMPLETELY REMOVED BEFORE PLACING THE PERMANENT HOT MIX ASPHALT.
  - PLACE ASPHALT BASE (AB) AT THE TOP OF THE EXCAVATION WHERE THE EXCAVATION IS WITHIN 2' OF EP OR IF AB PRESENTLY EXISTS ABOVE THE EXCAVATION. IF THE EXCAVATION IS AT THE BOTTOM OF A ROADSIDE DITCH, BEYOND A ROADSIDE DITCH, OR BEHIND A CURB, THE REQUIREMENT FOR AB CAN BE WAIVED.
  - TRANSVERSE EXCAVATION ON ROADWAYS PAVED WITHIN 2 YEARS ARE NOT ALLOWED AND MUST BE BORED. LONGITUDINAL EXCAVATIONS ON ROADWAYS PAVED WITHIN 5 YEARS OR ON COLLECTOR ROADS WITH A HIGH QUALITY RIDING SURFACE REQUIRE A 2" OVERLAY WHICH CONFORMS OR A 2" GRIND AND OVERLAY OF THE TRAVEL LANE.
  - STORM DRAIN BACKFILL TO BE STRUCTURAL BACKFILL.
  - EXCESSIVE TRANSVERSE CUTS MAY REQUIRE A GRIND AND REPAVE OF ENTIRE TRAVEL LANE BETWEEN CUTS.
  - NO SAWCUTS WILL BE ALLOWED IN WHEEL PATHS. SAWCUT LINES SHALL BE PLACED AT ROAD CL, WITHIN SHOULDER OR MIDDLE OF TRAVEL LANE, AND OUTSIDE WHEEL PATHS.
  - MINIMUM PATCH WIDTH SHALL BE 3' WIDE.
  - PATCH WORK SHALL NOT RESULT IN "RIBBON" STRIPS OF PAVEMENT (LESS THAN 3 FEET WIDE). EXISTING PAVEMENT WIDTHS LESS THAN 3 FEET WIDE SHALL BE REMOVED AND PAVED WITH THE PATCH WORK.

SD60-3 TRENCH NOTES  
SOURCE: CITY SOUTH LAKE TAHOE



- NOTES:
- AC SHALL MEET CURRENT CITY PAVING STANDARDS.
  - WHERE REMAINING PAVEMENT WIDTH FROM SAWCUT LINE TO GUTTER, CURB, OR EDGE OF PAVEMENT IS LESS THAN 36" AC, A FULL DEPTH PAVEMENT REPAIR SHALL EXTEND TO LIP OF CURB, OR EDGE OF PAVEMENT.
  - ALL AFFECTED STREET IMPROVEMENTS SHALL BE REPLACED TO CITY STANDARDS. CITY APPROVAL IS REQUIRED BEFORE ANY WORK COMMENCES.
  - FINISH AC SURFACE SHALL BE 3/8" ABOVE LOC (SEE CURB DETAIL-SD7).
  - CONTRACTOR SHALL CONTINUALLY REMOVE AC FROM GUTTER PAN SO PROPER COMPACTION CAN BE ACHIEVED.
  - ALL SURFACES SHALL BE VIGOROUSLY CLEANED AND TACK COATED PRIOR TO AC PLACEMENT.
  - CITY ENGINEER WILL DETERMINE WHETHER TRENCH CUTS SHALL BE SAWCUT OR GRINDED. GRINDING IS PREFERRED WHERE EXISTING PAVEMENT ALLOWS.
  - TRENCH BACKFILL SHALL MEET CITY STANDARDS FOR MATERIALS AND COMPACTION.

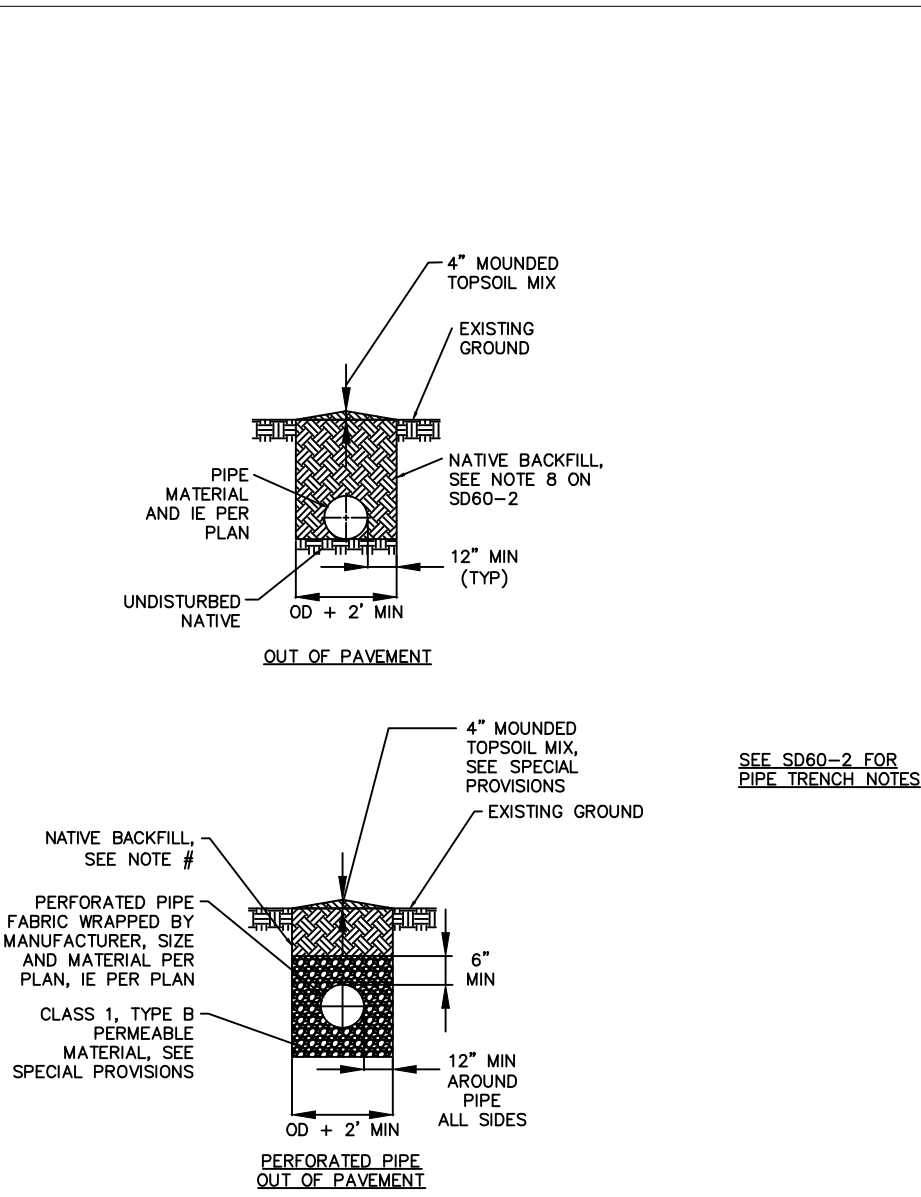
SD62 LONG TRENCH  
SOURCE: CITY SOUTH LAKE TAHOE



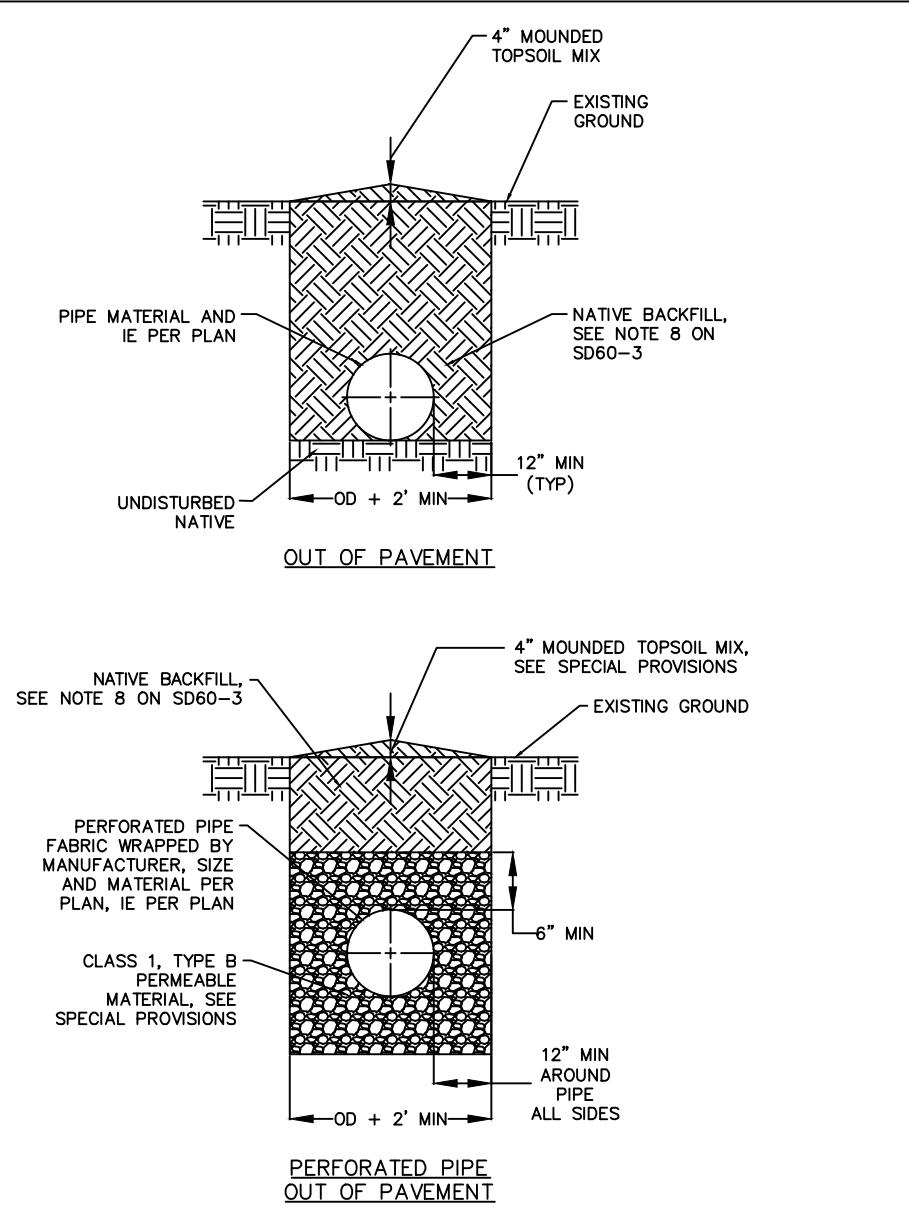
| INLET PROTECTION MINIMUM DIMENSIONS |            |        |        |        |
|-------------------------------------|------------|--------|--------|--------|
| ROCK CLASS                          | PIPE Ø IN. | X FEET | Y FEET | Z FEET |
| NO. 1 BACKING                       | 12         | 3      | 4      | 5      |
| NO. 1 BACKING                       | 18         | 4.5    | 6      | 7.5    |
| NO. 1 BACKING                       | 24         | 6      | 8      | 10     |
| NO. 1 BACKING                       | 30         | 7.5    | 10     | 12.5   |
| NO. 1 BACKING                       | 36         | 9      | 12     | 15     |
| NO. 1 BACKING                       | 42         | 10.5   | 14     | 17.5   |
| NO. 1 BACKING                       | 48         | 12     | 16     | 20     |

- NOTES:
- HAND PLACE ROCKS.
  - ALL ROCKS SHALL BE ANGULAR.
  - WHERE OUTLET SLOPE EXCEEDS 5%, A SEDIMENT BOWL OR ENERGY DISSIPATOR SHALL BE REQUIRED.
  - ROCK SLOPE PROTECTION SHALL BE SLOPED AT A MIN OF 1% INTO OR OUT OF CULVERT.
  - ALL CULVERTS OF 48 INCHES OR LARGER SHALL BE INSTALLED WITH REINFORCED CONCRETE HEADWALLS AND END WALLS WITH CUTOFF WALLS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - ON OUTLET APPLICATIONS, 50% OF THE ROCKS SHALL BE LARGER THAN HALF THE DIAMETER OF THE PIPE.

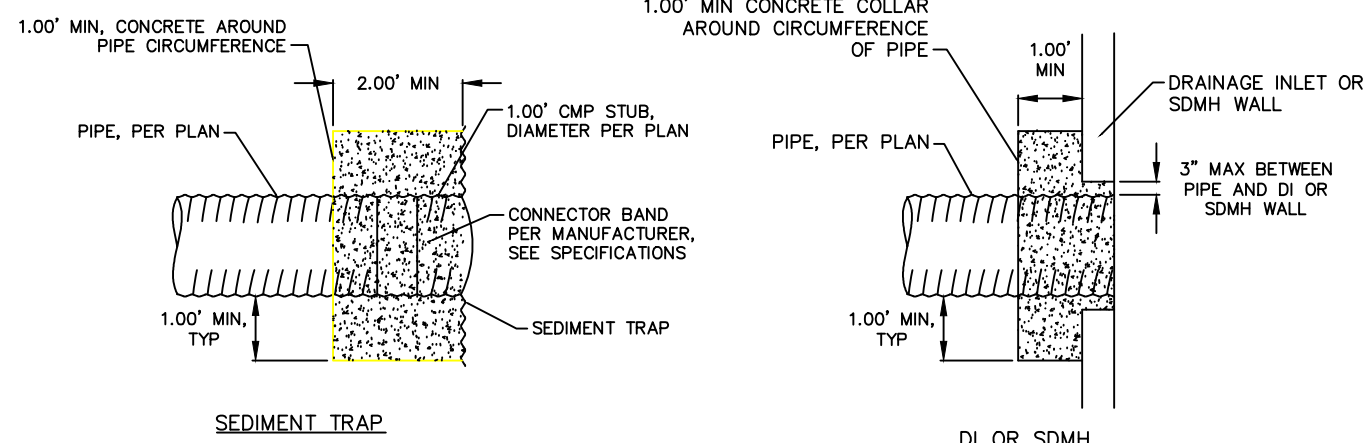
SD66 EC OUTLET ROCK  
SOURCE: CITY SOUTH LAKE TAHOE



SD60-2 TRENCH CONDUITS OUT OF PAVEMENT  
SOURCE: CITY SOUTH LAKE TAHOE



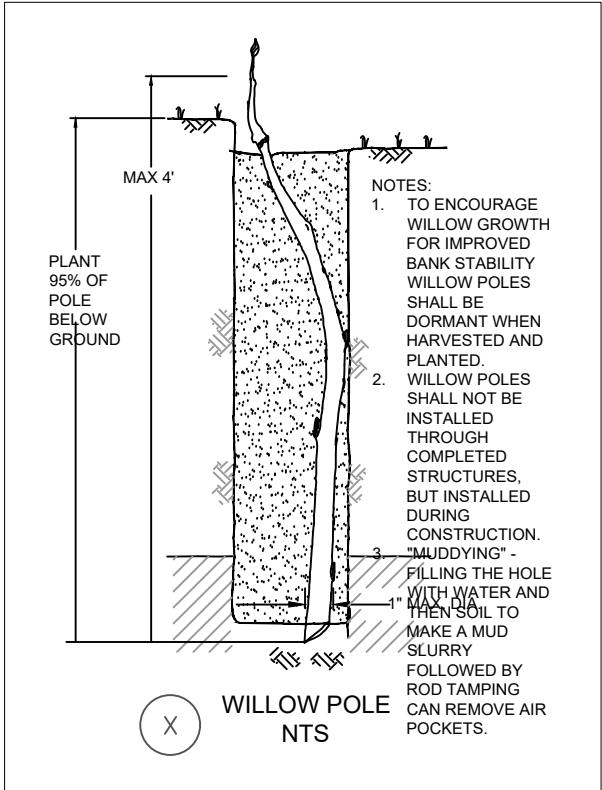
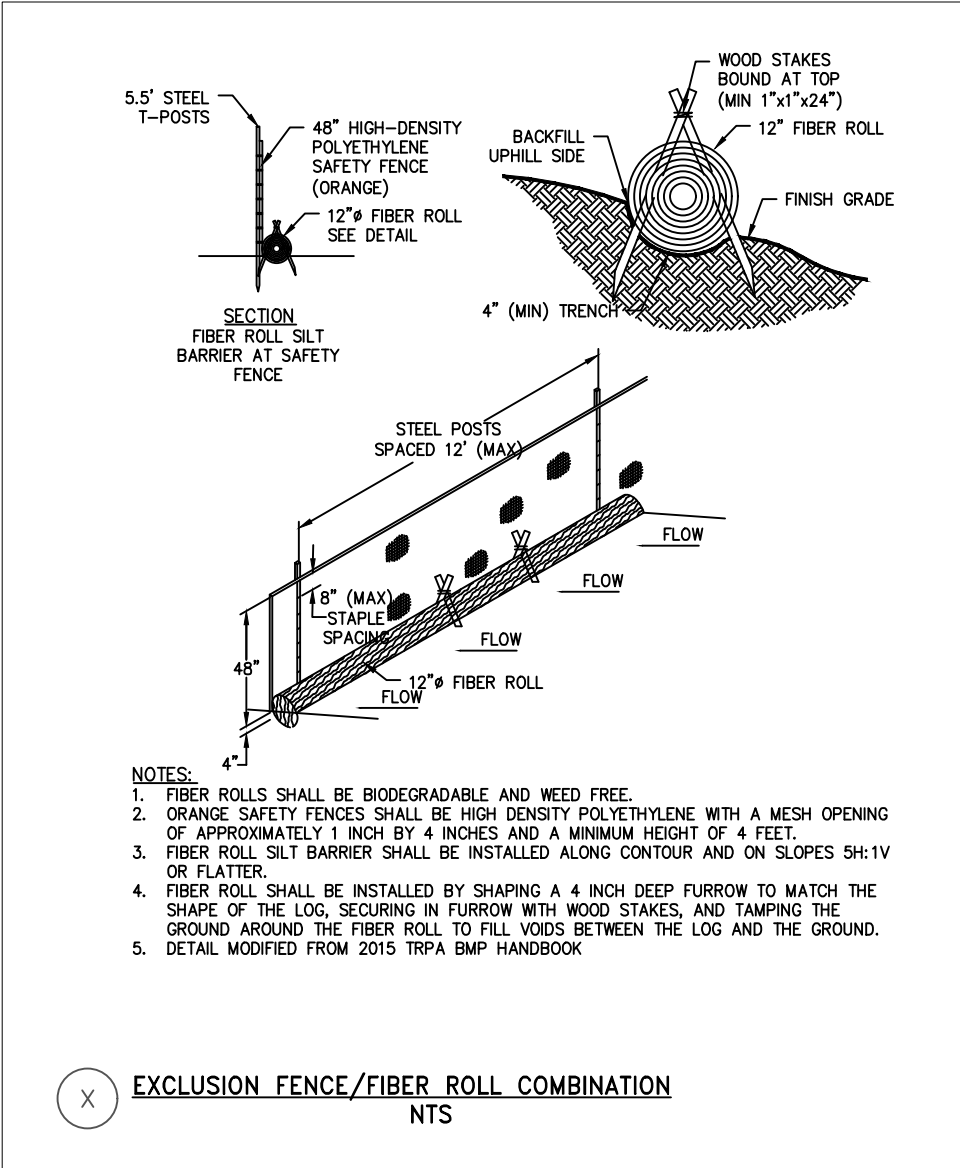
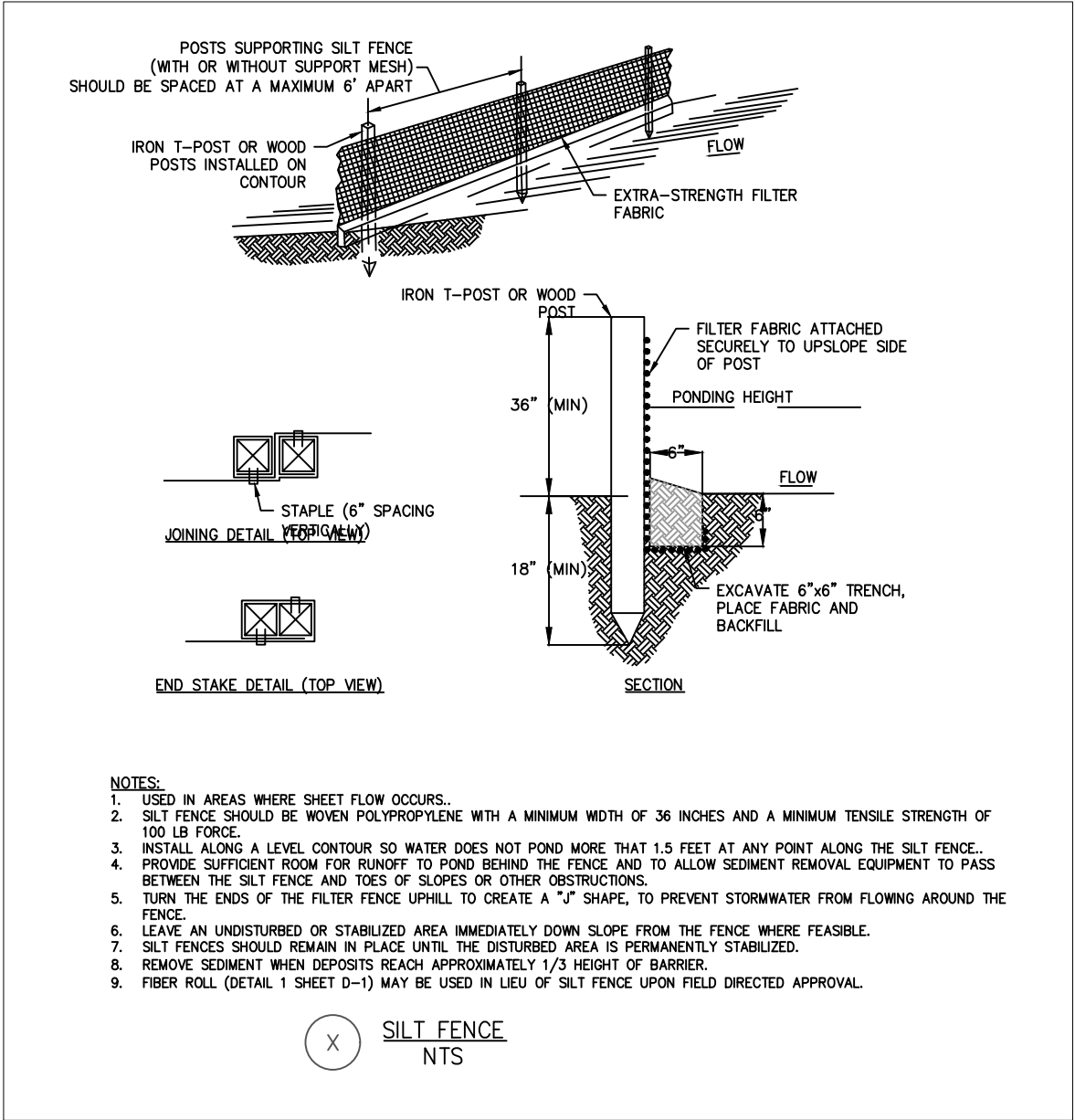
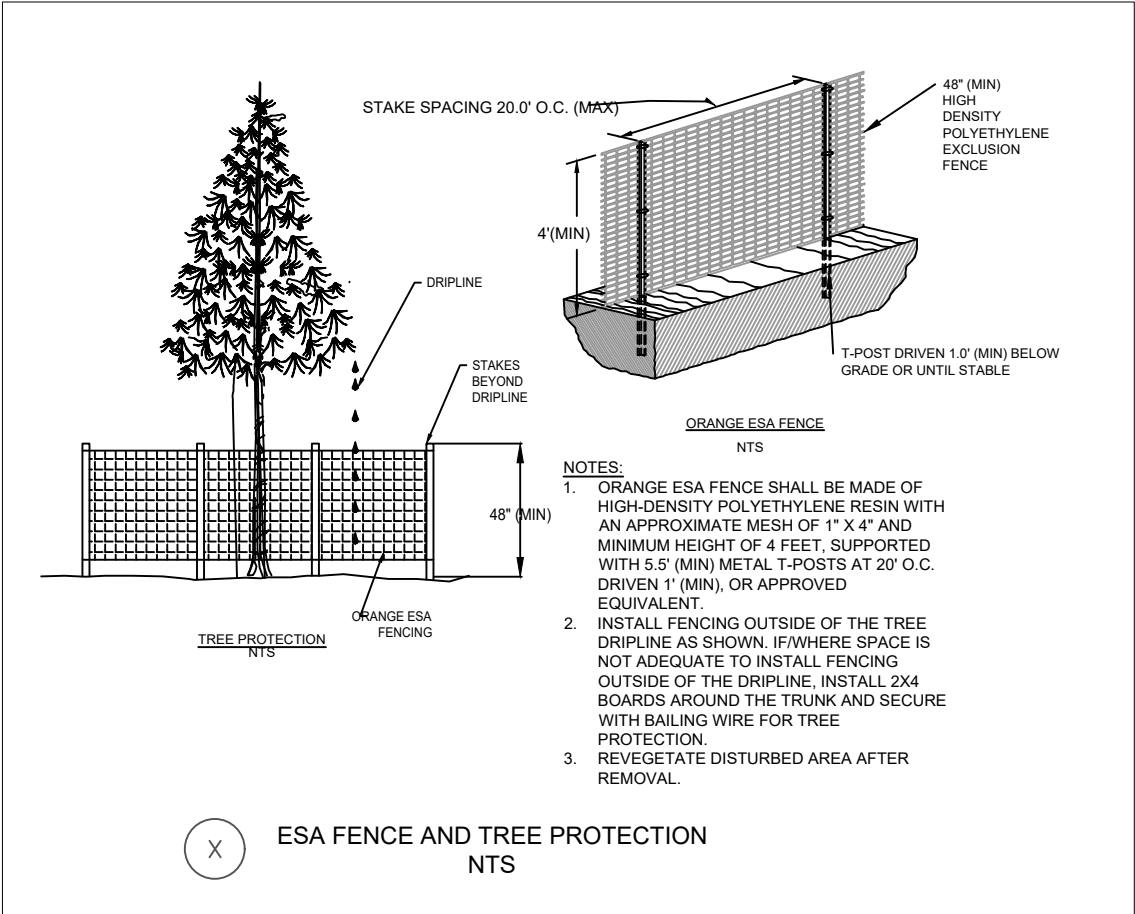
SD63 CONCRETE COLLAR  
SOURCE: CITY SOUTH LAKE TAHOE



| CONCRETE PIPE   |    |    |    |    |     |    |    |    |    |
|-----------------|----|----|----|----|-----|----|----|----|----|
| C-14 REINFORCED |    |    |    |    |     |    |    |    |    |
| DIA             | SS | ES | I  | II | III | IV | V  | VI | GA |
| 10              | 13 | 30 |    |    |     |    |    |    | 30 |
| 12              | 12 | 26 | 8  | 12 | 30  |    |    |    | 26 |
| 15              | 12 | 26 |    |    |     | 10 | 15 | 35 |    |
| 18              | 12 | 29 | 11 | 16 | 38  |    |    |    | 29 |
| 21              | 12 | 29 |    |    |     | 12 | 17 | 39 |    |
| 24              | 12 | 24 |    |    |     |    |    |    | 24 |
| 27              |    |    |    |    |     |    |    |    | 19 |
| 30              |    |    |    |    |     |    |    |    | 19 |
| 33              |    |    |    |    |     |    |    |    | 20 |
| 36              |    |    |    |    |     |    |    |    | 20 |
| 42              |    |    |    |    |     |    |    |    | 20 |
| 48              |    |    |    |    |     |    |    |    | 20 |
| 54              |    |    |    |    |     |    |    |    | 20 |
| 60              |    |    |    |    |     |    |    |    | 20 |
| 72              |    |    |    |    |     |    |    |    | 20 |

SD64 COVER REQUIREMENTS  
SOURCE: CITY SOUTH LAKE TAHOE





BIJOU PARK CREEK WATERSHED  
RESTORATION PROJECT

DETAILS

DESIGNED/DRAWN  
CB/AJW  
CHECKED  
CB  
DATE  
06/26/2020  
SCALE  
AS INDICATED  
PROJECT  
BIJOU PARK CREEK

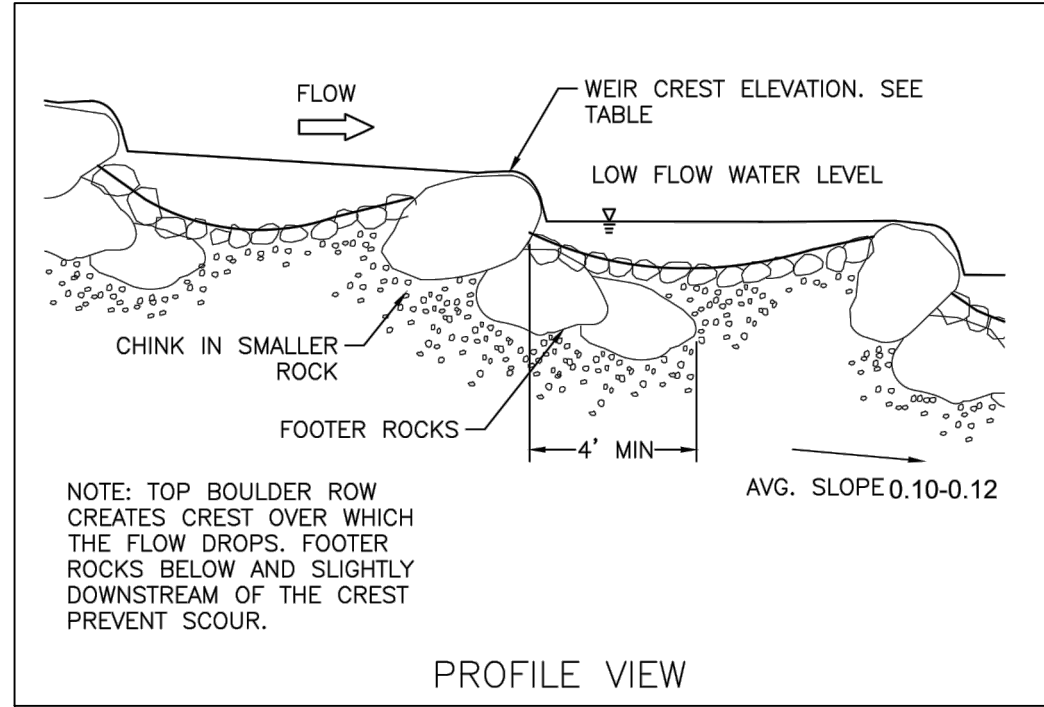
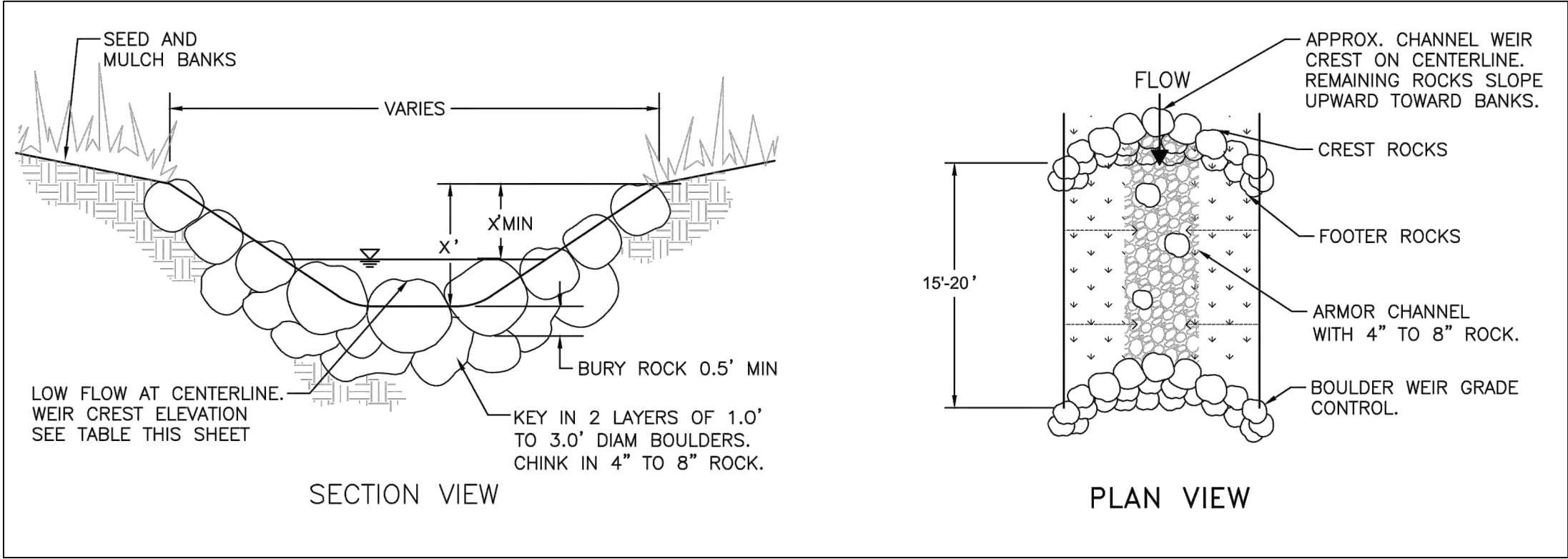
SHEET

D3  
1 OF X



WILDSCAPE ENGINEERING  
1901 Lisa Maloff Way, Suite 108  
South Lake Tahoe, CA 96150  
www.wildscape-engineering.com





X TYPICAL BOULDER STEP POOL/WEIR