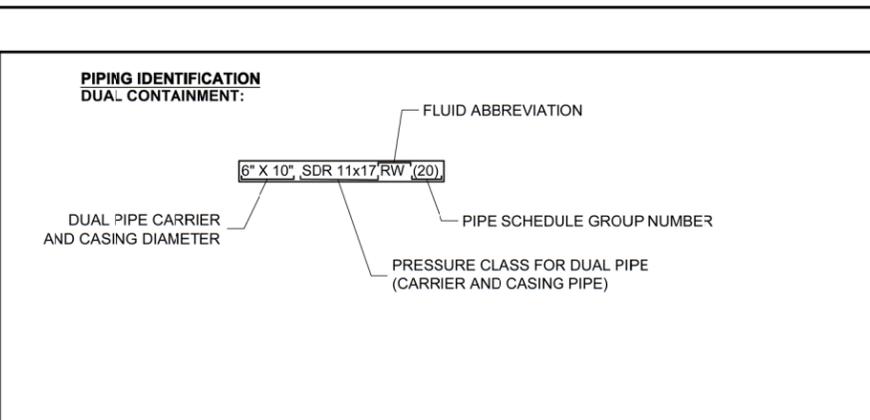
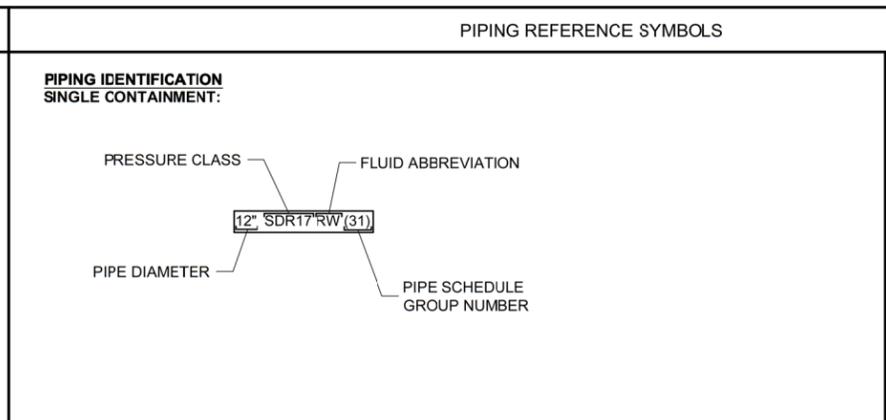


SECTION 10 GENERAL INFORMATION

**LEGEND**

- EXISTING PIPES
- PROPOSED DUAL-WALL PIPE
- PROPOSED SINGLE-WALL PIPE
- PROPOSED PIPE INVERT (IN PROFILE)
- PREVIOUSLY CONSTRUCTED DUAL-WALL PIPE
- PREVIOUSLY CONSTRUCTED SINGLE-WALL PIPE
- GROUND SURFACE (IN PROFILE)
- ⊕ MANHOLE
- ⊞ WET WELL
- ⊠ VALVE BOX
- ⊙ WELL HEAD
- EXISTING SEEP



**NOTE:**  
ADDITIONAL PIPE MATERIAL INFORMATION IN PIPE SCHEDULE (BELOW, ON THIS SHEET).

**PIPE SCHEDULE**

| PIPE SCHEDULE GROUP NO. | PIPE  | FITTINGS  | VALVES, 6" AND SMALLER   |
|-------------------------|---|---|--|
| 14                      | STAINLESS STEEL, TYPE 316, ASTM A312, SCHEDULE 40S            | STAINLESS STEEL, TYPE 316, SCREWED, WELDED SLIP-ON FLANGE ASME B16.3, OR SOCKET WELDED FITTINGS SCHEDULE 40S, (SCREWED JTS NOT ALLOWED FOR OZ, OX, LOX SERVICE) | STAINLESS STEEL, BALL, FLANGED: CONTROMATICS SERIES 2801 OR JAMESBURY SERIES 7150. CHECK: LADISH 5275 OR CRANE FIG 377 OR AS SHOWN ON DRAWINGS |
| 15                      | STAINLESS STEEL, TYPE 316, ASTM A312, SCHEDULE 10S            | STAINLESS STEEL, TYPE 316 WELDED SLIP-ON FLG ASME B16.3, OR SOCKET WELDED FITTINGS SCHEDULE 40S, (NO SCREWED JOINTS ALLOWED)                                    | STAINLESS STEEL, AS INDICATED ON DRAWINGS.   |
| 20                      | SAME AS PIPE SCHEDULE GROUP NO. 31 WITH DUAL-WALL CONTAINMENT | SAME AS PIPE SCHEDULE GROUP NO. 31 WITH DUAL-WALL CONTAINMENT   | SAME AS PIPE SCHEDULE GROUP NO. 31 WITH DUAL-WALL CONTAINMENT  |
| 31                      | HDPE ASTM D3350-SDR AS SPECIFIED                              | INJECTED MOLDING SAME THICKNESS AS PIPE, SOCKET FUSION 1/2" TO 4"; BUTT FUSION 6" AND GREATER   | BALL: UNION STYLE USING SOCKET FUSION PRODUCED IN SAME MANNER AS FITTINGS.   |

**GENERAL NOTES**

1. THE EFFLUENT PIPELINE DRAWINGS AND DESIGN HAVE NOT BEEN UPDATED IN THIS DESIGN SUBMITTAL. THE EFFLUENT PIPELINE DESIGN WILL BE REVISED CONCURRENTLY WITH THE NEW WTP DESIGN ONCE THE NPDES PERMIT IS REISSUED AND THE DISCHARGE LIMITS ARE ESTABLISHED.
2. PIPELINES SHALL BE FREEZE PROTECTED BY PROVIDING SOIL COVER. DEVIATIONS IN FREEZE PROTECTION METHODS SHALL BE APPROVED BY THE FIELD ENGINEER.
3. PIPELINE LOCATIONS PRESENTED IN THE DRAWINGS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE ESTABLISHED WITH THE FIELD ENGINEER.
4. CONTRACTOR SHALL INSTALL AIR/VACCUUM BREAK VALVES PER DETAIL 3 ON SHEET 10-82 AT ALL HIGH POINTS GENERATED ALONG TEMPORARY AND PERMANENT PIPELINES.
5. SEE SECTION 8 FOR DEMOLITION OF EXISTING PIPES.
6. DUAL CONTAINED FLANGE CONNECTIONS BETWEEN HDPE PIPES SHALL ALLOW FLOW TO TRAVEL THROUGH ANNULAR SPACE AT THE FLANGE PER DETAIL 2 ON SHEET 10-82.
7. PIPE TRENCHES SHALL MEET REQUIREMENTS PER DETAIL 1 ON SHEET 10-82.
8. TEMPORARY MANHOLES SHALL BE INSTALLED PER DETAIL 12 ON SHEET 10-86 FOR INSPECTION POINTS FOR LEAK DETECTION AS REQUIRED BY THE FIELD ENGINEER.
9. DUAL-WALL INFLUENT PIPE TO BE USED IN AREAS FOR LEAK DETECTION. THE FIELD ENGINEER MAY PERMIT SINGLE-WALL PIPE FOR INFLUENT PIPES CROSSING CONTAMINATED AREAS AND WHERE LEAKS CANNOT RELEASE TO REMEDIATED AREAS. DUAL-WALL PIPE IS REQUIRED FOR ALL INFLUENT PIPE THROUGH REMEDIATED AREAS, AND FOR ALL POST-RA INSTALLATIONS.
10. TEMPORARY OVERLAND PIPELINE ROUTING MAY DEVIATE FROM THAT SHOWN IN THIS SECTION (AS APPROVED BY THE FIELD ENGINEER) TO AVOID DEPRESSIONS IN PIPELINE PROFILE.
11. DURING CONSTRUCTION, THE CONTRACTOR SHALL ANCHOR TEMPORARY OVERLAND PIPING WITH SOIL COVER OF SUFFICIENT DEPTH TO PREVENT MOVEMENT OF THE PIPE.
12. TEMPORARY MANHOLES INSTALLED DURING CONSTRUCTION AT MONITORING POINTS REQUIRED FOR LEAK DETECTION SHOWN ON DETAIL 10 ON SHEET 10-86.
13. BACKFILLED PIT AREA WELL GW-54 SHALL BE A DUAL COMPLETION, WITH A NEW WELL INSTALLED ADJACENT TO THE EXISTING WELL.
14. ALL PIPES SHALL BE FUSE WELDED HDPE, UNLESS OTHERWISE STATED.
15. ALL HDPE FLANGES SHALL USE BACKING RINGS, UNLESS OTHERWISE STATED.

| ISSUE | DESCRIPTION            | TEC | ENG | DATE  |
|-------|------------------------|-----|-----|-------|
| 3     | ISSUED FOR 100% DESIGN | KR  | JD  | 06-15 |
| 2     | ISSUED FOR 90% DESIGN  | MC  | JD  | 07-14 |

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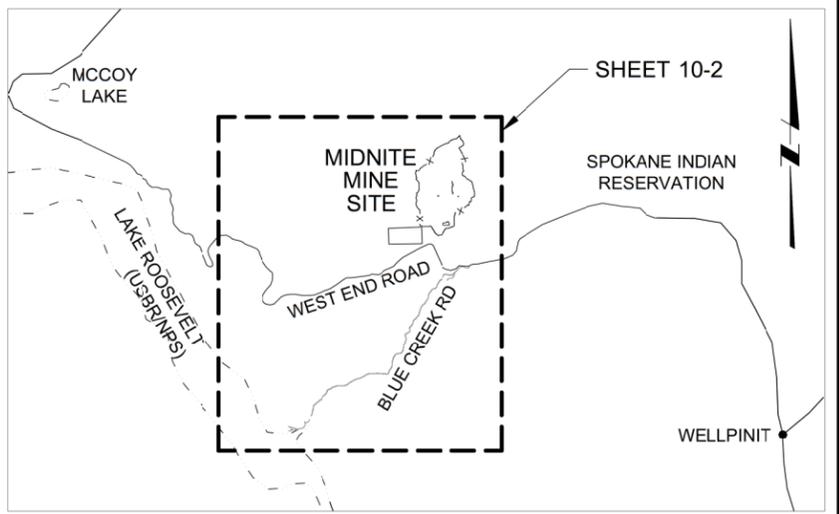
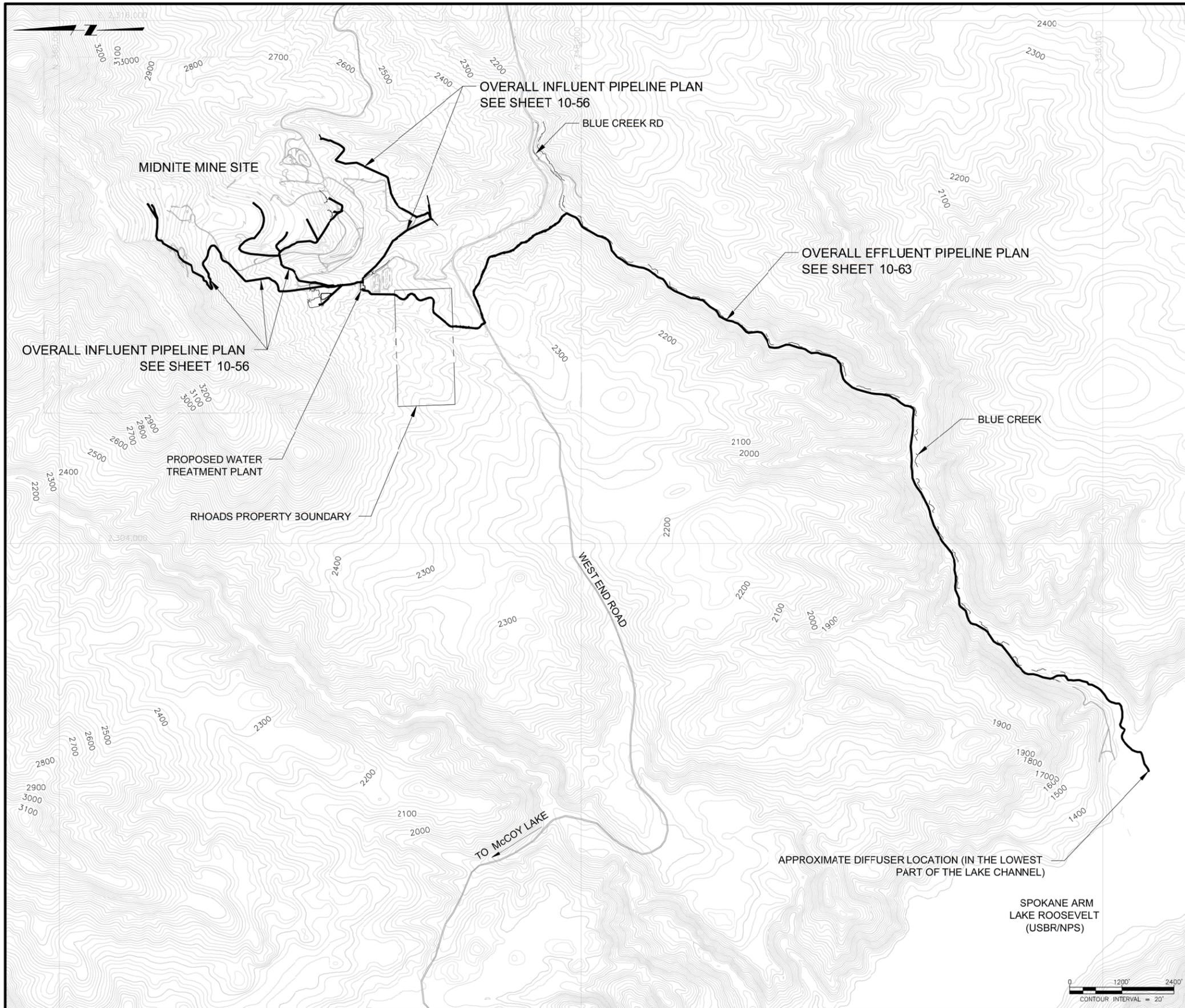
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| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

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|------------------|-------------------------|----------------|
| PROJECT LOCATION | WELLPINIT, WASHINGTON   |                |
| PROJECT          | MIDNITE MINE            |                |
| TITLE            | GENERAL PIPELINES SHEET |                |
| SHEET            | 10-1                    | REVISION 3     |
| FILE NAME        | 10-1                    | DATE JUNE 2015 |



|                  |                         |                |
|------------------|-------------------------|----------------|
| PROJECT LOCATION | WELLPINIT, WASHINGTON   |                |
| PROJECT          | MIDNITE MINE            |                |
| TITLE            | GENERAL PIPELINES SHEET |                |
| SHEET            | 10-1                    | REVISION 3     |
| FILE NAME        | 10-1                    | DATE JUNE 2015 |

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| REV | DESCRIPTION            | TEC-I | ENG | DATE  |
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| 3   | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |
| 1   | ISSUED FOR 60% DESIGN  | DM    | JD  | 12-13 |
| 0   | ISSUED FOR 30% DESIGN  | DM    | JD  | 12-12 |

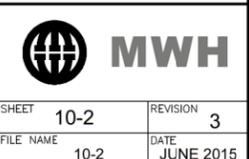
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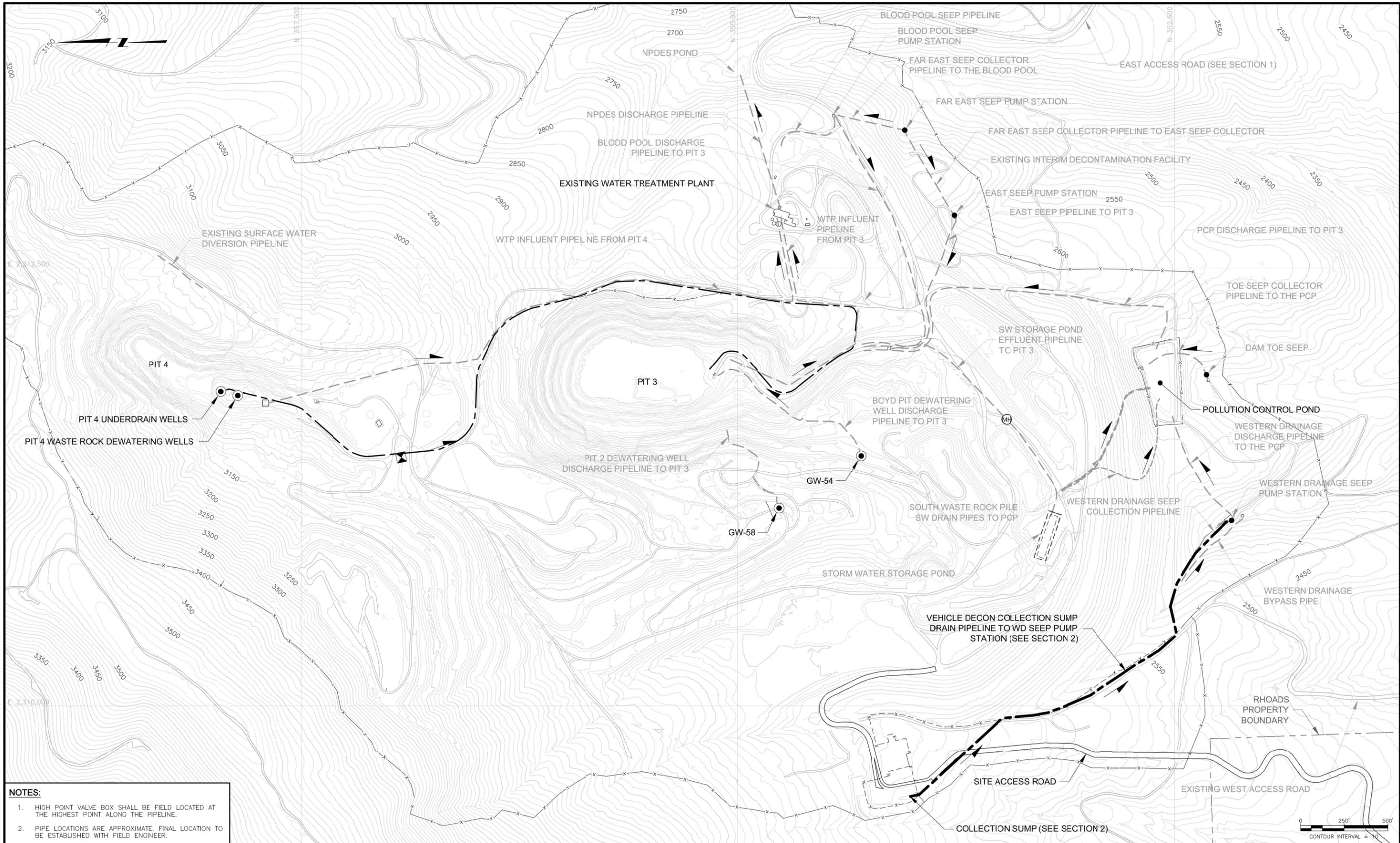
**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVDS8.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

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| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



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|------------------|---------------------------------|----------------|
| PROJECT LOCATION | WELLPINIT, WASHINGTON           |                |
| PROJECT          | MIDNITE MINE                    |                |
| TITLE            | OVERALL PERMANENT PIPELINE PLAN |                |
| SHEET            | 10-2                            | REVISION 3     |
| FILE NAME        | 10-2                            | DATE JUNE 2015 |





**NOTES:**

- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
- PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

| REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----|------------------------|-------|-----|-------|
| 3   | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |

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**DRAWING REFERENCE(S):**

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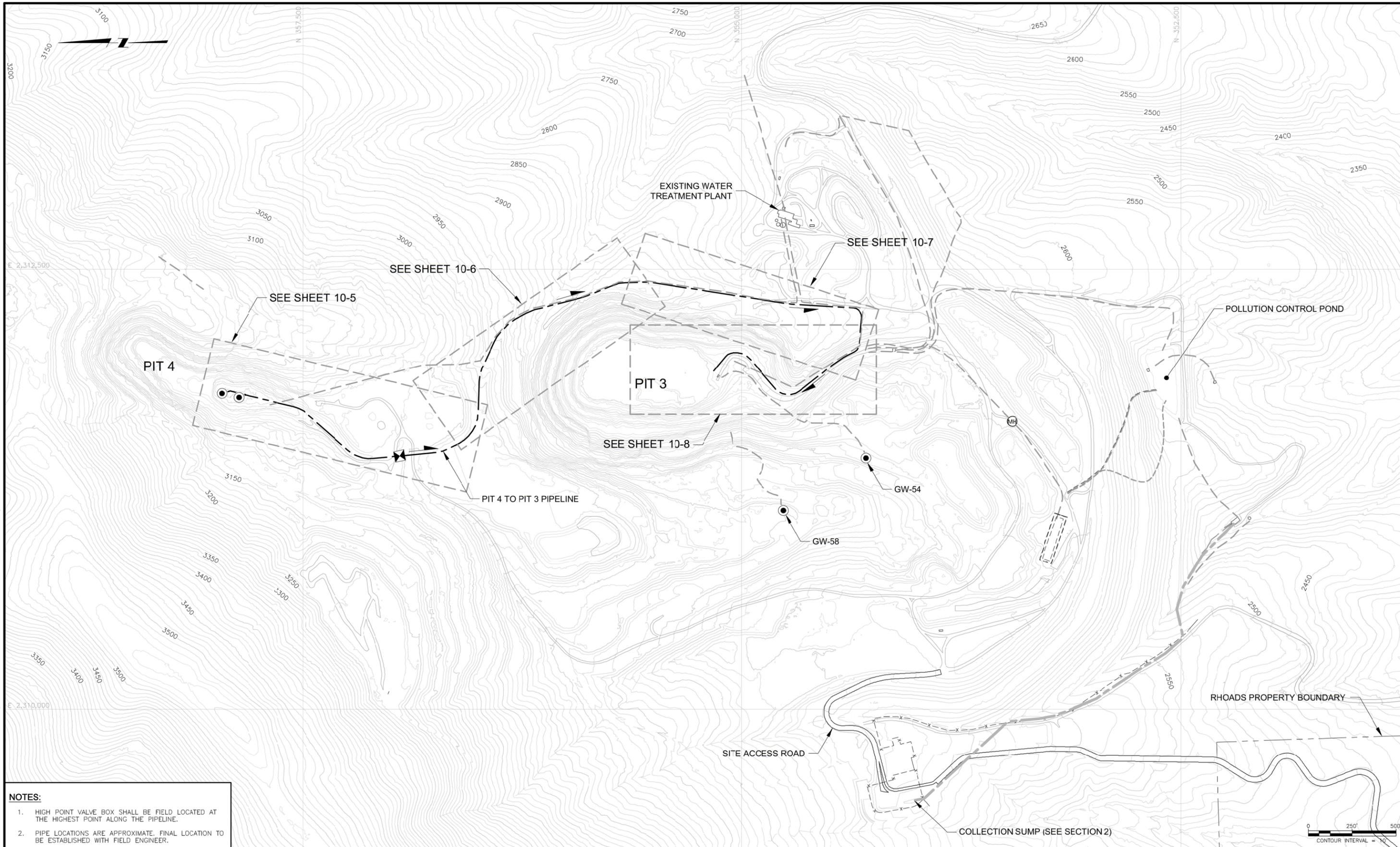
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| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



|                  |  |
|------------------|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON                              |
| PROJECT          | MIDNITE MINE                                       |
| TITLE            | OVERALL INFLUENT PIPELINES PLAN - START OF PHASE 1 |

|  |           |      |          |           |
|--|-----------|------|----------|-----------|
|  | SHEET     | 10-3 | REVISION | 3         |
|  | FILE NAME | 10-3 | DATE     | JUNE 2015 |

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**NOTES:**

- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
- PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

| REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----|------------------------|-------|-----|-------|
| 3   | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |
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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

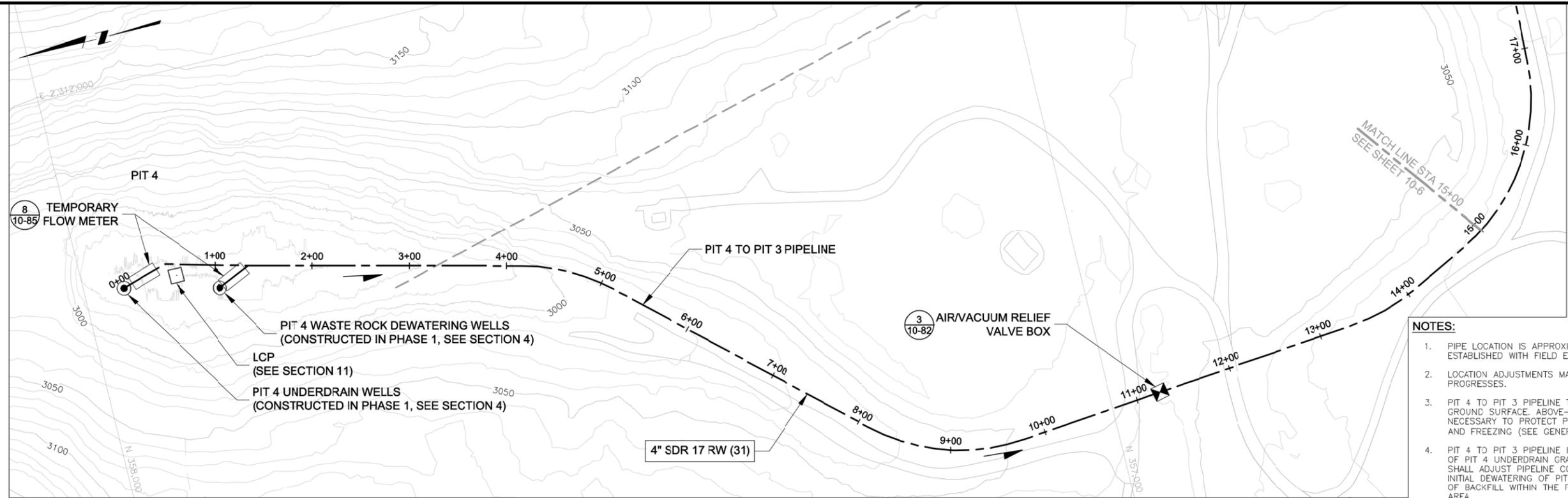
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| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



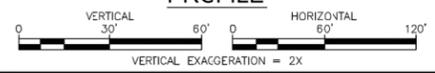
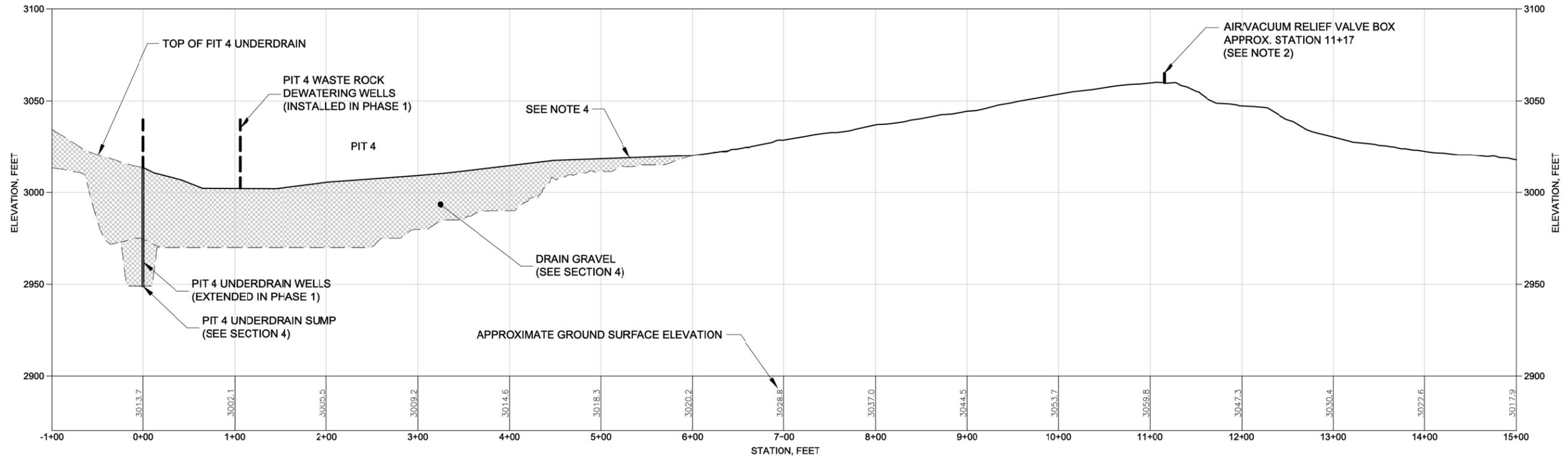
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| PROJECT LOCATION | WELLPINIT, WASHINGTON                                       |  |
| PROJECT          | MIDNITE MINE  |  |
| TITLE            | SHEET INDEX - START OF PHASE 1<br>- PIT 4 TO PIT 3 PIPELINE |  |

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| SHEET     | 10-4 | REVISION | 3         |
| FILE NAME | 10-4 | DATE     | JUNE 2015 |

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- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO PIT 3 PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).
  4. PIT 4 TO PIT 3 PIPELINE IS SHOWN AT THE COMPLETION OF PIT 4 UNDERDRAIN GRAVEL PLACEMENT. CONTRACTOR SHALL ADJUST PIPELINE CONFIGURATION TO FACILITATE INITIAL DEWATERING OF PIT 4 AND ONGOING PLACEMENT OF BACKFILL WITHIN THE PIT 4 WASTE CONTAINMENT AREA.



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| ISSUE/REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----------|------------------------|-------|-----|-------|
| 3         | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2         | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |
| 1         | ISSUED FOR 60% DESIGN  | DM    | JD  | 12-13 |

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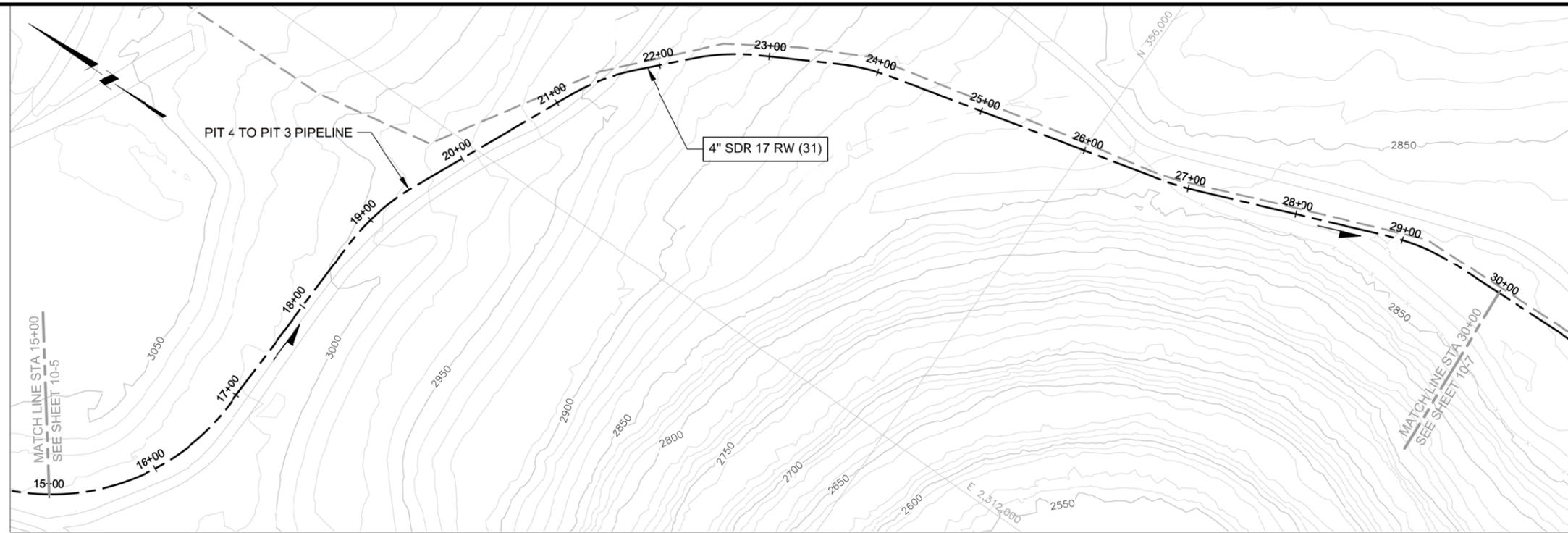
**DRAWING REFERENCE(S):**  
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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

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| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



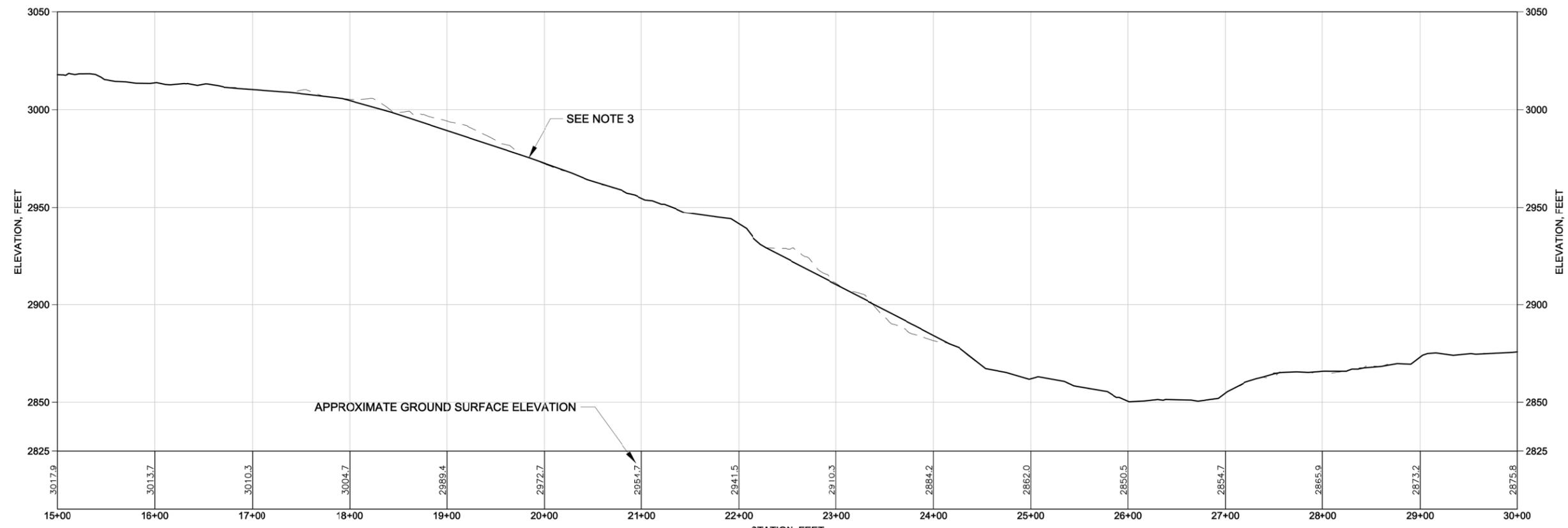
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| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE<br>-STATION 0+00 TO 15+00 |  |

|  |           |      |          |           |
|--|-----------|------|----------|-----------|
|  | SHEET     | 10-5 | REVISION | 3         |
|  | FILE NAME | 10-5 | DATE     | JUNE 2015 |



**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'

- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO PIT 3 PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).
  4. PIT 4 TO PIT 3 PIPELINE IS SHOWN AT THE COMPLETION OF PIT 4 UNDERDRAIN GRAVEL PLACEMENT. CONTRACTOR SHALL ADJUST PIPELINE CONFIGURATION TO FACILITATE INITIAL DEWATERING OF PIT 4 AND ONGOING PLACEMENT OF BACKFILL WITHIN THE PIT 4 WASTE CONTAINMENT AREA.



**PROFILE**  
 0 30' 60' 120'  
 VERTICAL EXAGGERATION = 2X

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| ISSUE/REV | DESCRIPTION            | TECH | ENG | DATE  |
|-----------|------------------------|------|-----|-------|
| 3         | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
| 2         | ISSUED FOR 90% DESIGN  | KT   | JD  | 07-14 |
| 1         | ISSUED FOR 60% DESIGN  | DM   | JD  | 12-13 |
| 0         | ISSUED FOR 30% DESIGN  | DM   | JD  | 11-12 |

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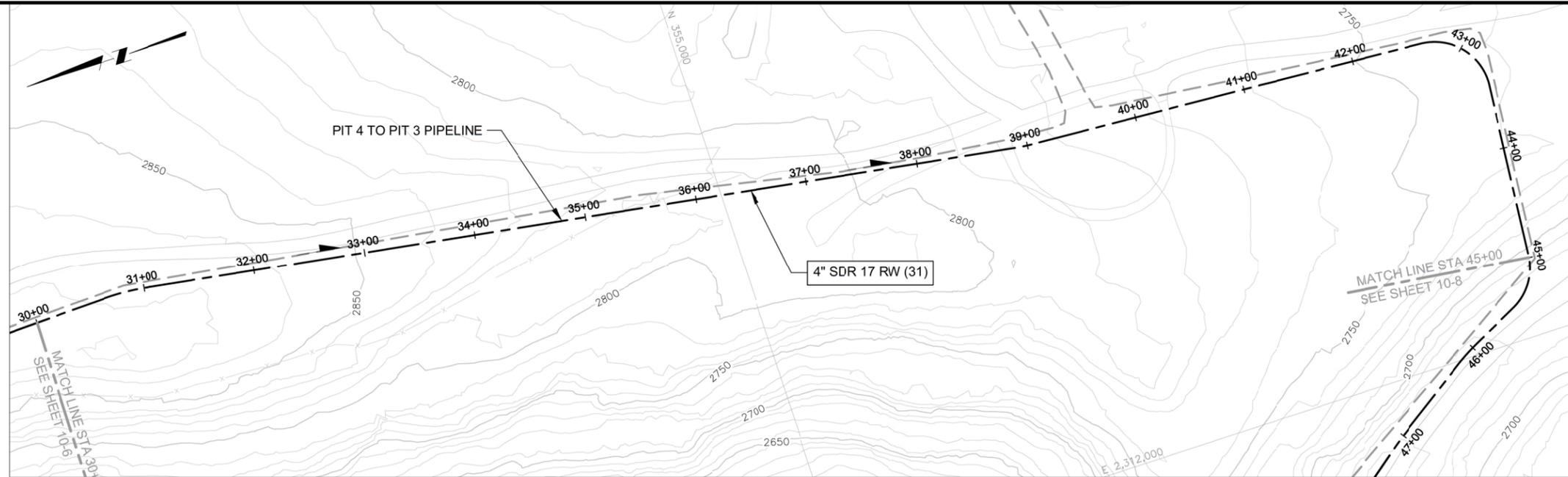
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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

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| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



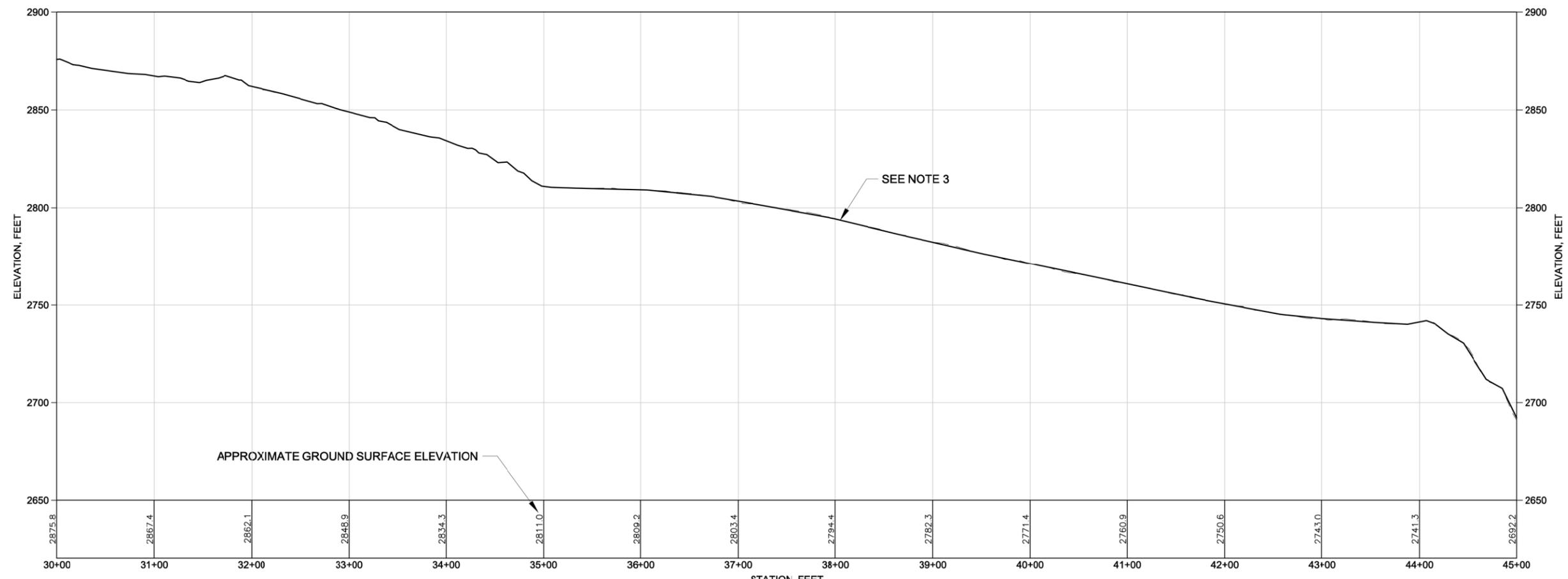
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| PROJECT LOCATION | WELLPINIT, WASHINGTON  |                |
| PROJECT          | MIDNITE MINE   |                |
| TITLE            | START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 15+00 TO 30+00 |                |
| SHEET            | 10-6   | REVISION 3     |
| FILE NAME        | 10-5   | DATE JUNE 2015 |





**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'

- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO PIT 3 PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).
  4. PIT 4 TO PIT 3 PIPELINE IS SHOWN AT THE COMPLETION OF PIT 4 UNDERDRAIN GRAVEL PLACEMENT. CONTRACTOR SHALL ADJUST PIPELINE CONFIGURATION TO FACILITATE INITIAL DEWATERING OF PIT 4 AND ONGOING PLACEMENT OF BACKFILL WITHIN THE PIT 4 WASTE CONTAINMENT AREA.



**PROFILE**  
 0 30' 60' 0 60' 120'  
 VERTICAL EXAGGERATION = 2X

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| ISSUE | REV | DESCRIPTION            | TECH | ENG | DATE  |
|-------|-----|------------------------|------|-----|-------|
| 3     |     | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
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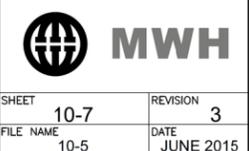
**DISCLAIMER:**  
 THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOW HOW OF MWH AS AUTHOR ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING ITS PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

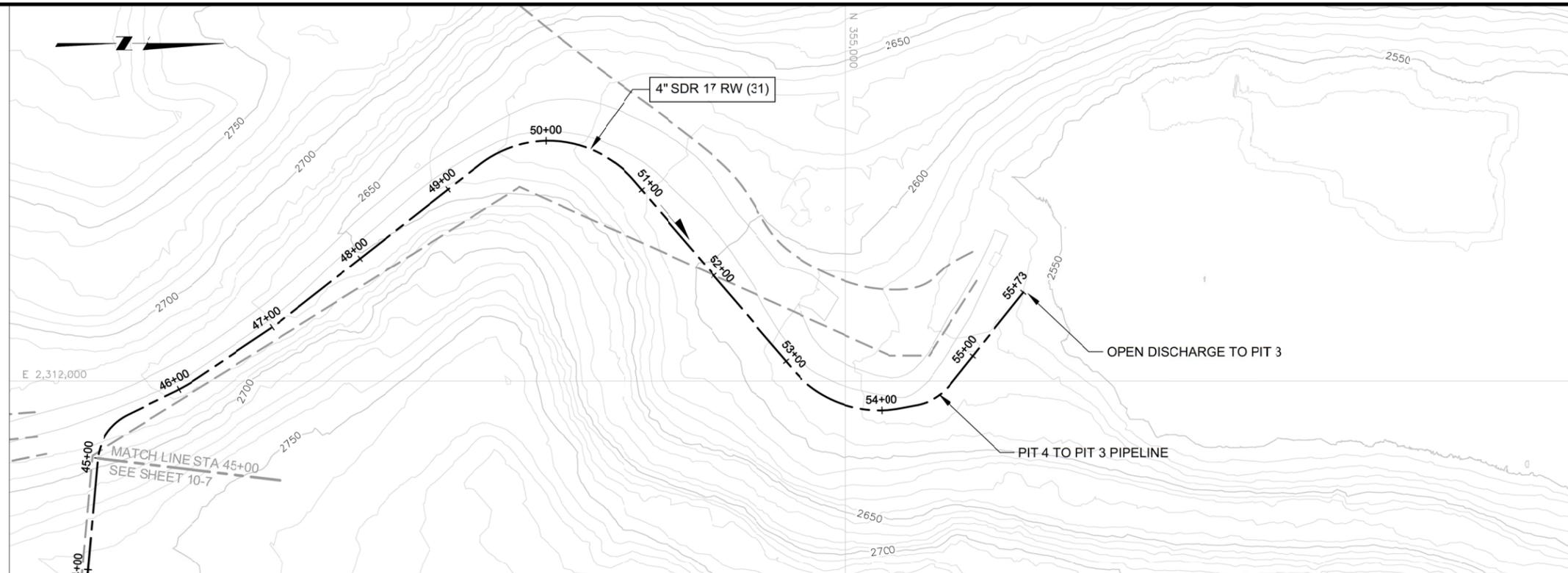
**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVD88.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J DIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

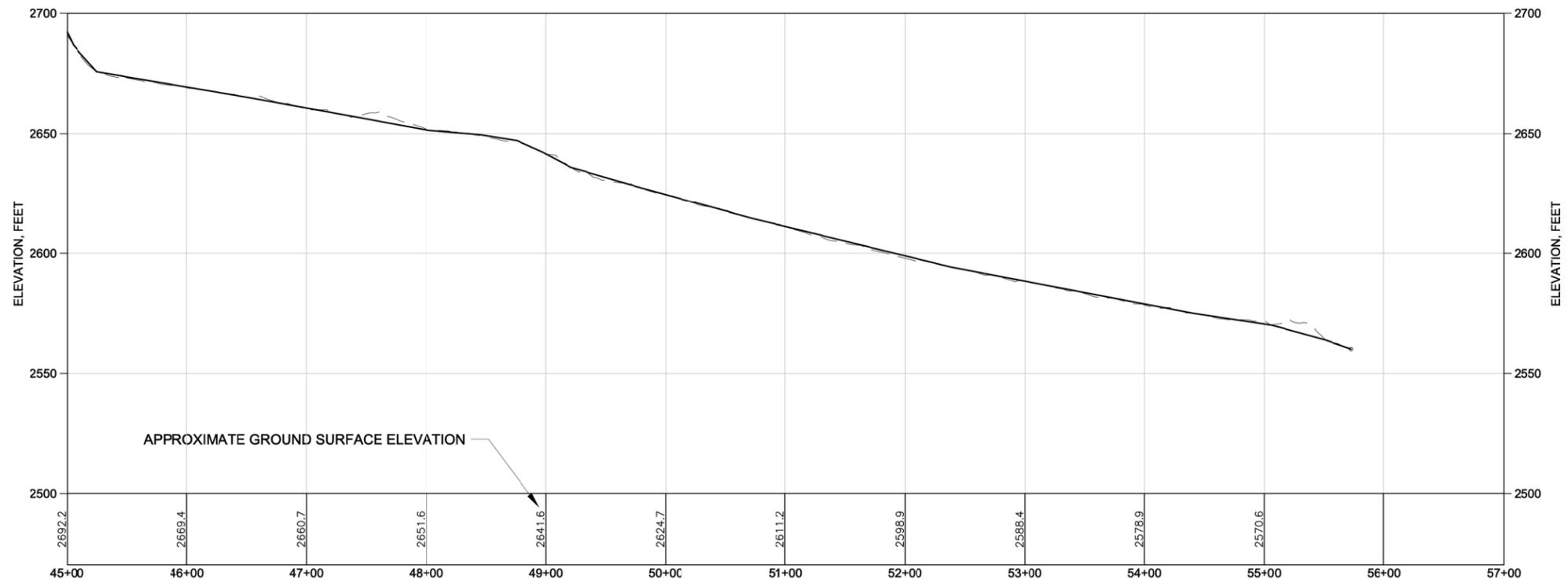


|                  |  |                |
|------------------|--|----------------|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |                |
| PROJECT          | MIDNITE MINE   |                |
| TITLE            | START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 30+00 TO 45+00 |                |
| SHEET            | 10-7   | REVISION 3     |
| FILE NAME        | 10-5   | DATE JUNE 2015 |





PLAN  
0 60' 120'  
CONTOUR INTERVAL = 10'



PROFILE  
VERTICAL 0 30' 60' 0 60' 120'  
HORIZONTAL  
VERTICAL EXAGGERATION = 2X

NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
3. PIT 4 TO PIT 3 PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).
4. PIT 4 TO PIT 3 PIPELINE IS SHOWN AT THE COMPLETION OF PIT 4 UNDERDRAIN GRAVEL PLACEMENT. CONTRACTOR SHALL ADJUST PIPELINE CONFIGURATION TO FACILITATE INITIAL DEWATERING OF PIT 4 AND ONGOING PLACEMENT OF BACKFILL WITHIN THE PIT 4 WASTE CONTAINMENT AREA.

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| REV | ISSUE | DESCRIPTION            | TECH | ENG | DATE  |
|-----|-------|------------------------|------|-----|-------|
| 3   |       | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
| 2   |       | ISSUED FOR 90% DESIGN  | DM   | SM  | 07-14 |

**DISCLAIMER:**  
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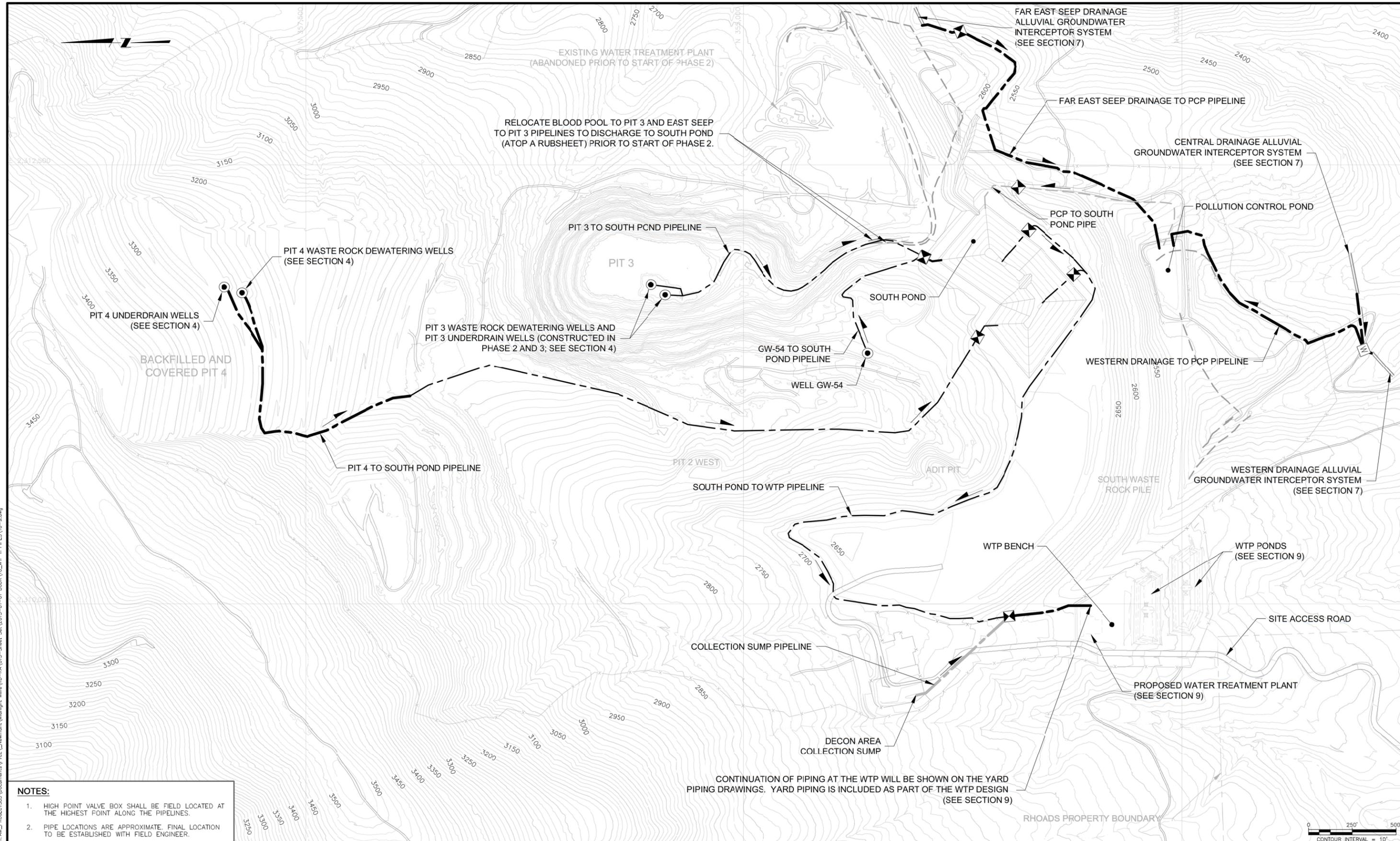
**DRAWING REFERENCE(S):**  
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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J DIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



|                  |  |  |
|------------------|--|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 45+00 TO END |  |

|  |           |      |          |           |
|--|-----------|------|----------|-----------|
|  | SHEET     | 10-8 | REVISION | 3         |
|  | FILE NAME | 10-5 | DATE     | JUNE 2015 |



- NOTES:**
- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINES.
  - PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

| REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----|------------------------|-------|-----|-------|
| 3   | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |
| 1   | ISSUED FOR 60% DESIGN  | DM    | JD  | 12-13 |

**DISCLAIMER:**  
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**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVDS8.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

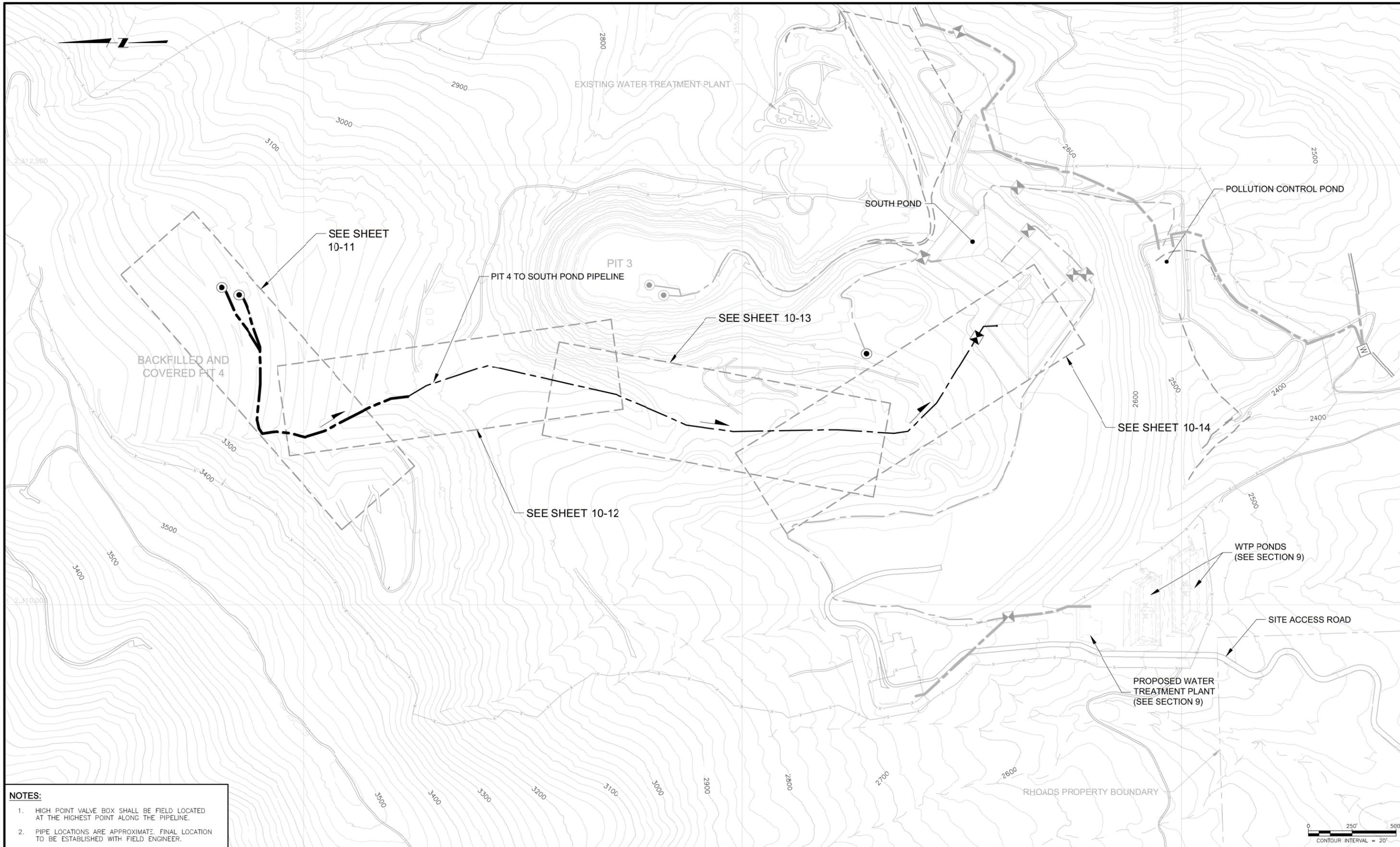
|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



|                  |  |  |
|------------------|--|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON                            |  |
| PROJECT          | MIDNITE MINE                                     |  |
| TITLE            | OVERALL INFLUENT PIPELINES PLAN - END OF PHASE 1 |  |

|  |           |      |          |           |
|--|-----------|------|----------|-----------|
|  | SHEET     | 10-9 | REVISION | 3         |
|  | FILE NAME | 10-9 | DATE     | JUNE 2015 |

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**NOTES:**

- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
- PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

| ISSUE | DESCRIPTION            | TEC-I | ENG | DATE  |
|-------|------------------------|-------|-----|-------|
| 3     | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2     | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |

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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

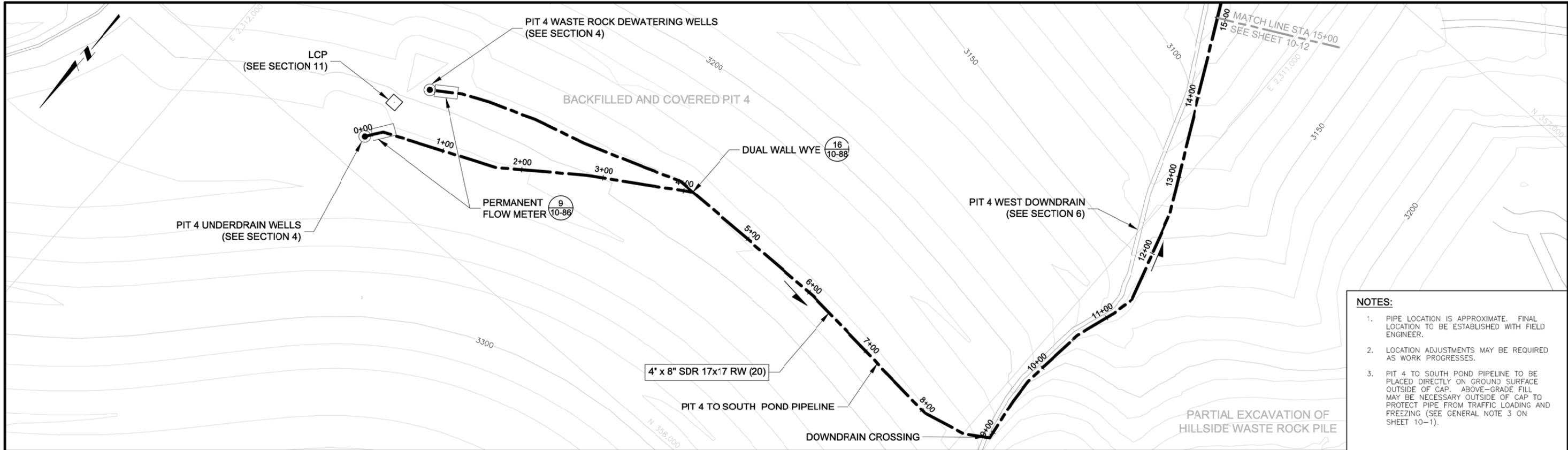


|                  |   |  |
|------------------|---|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON                                       |  |
| PROJECT          | MIDNITE MINE  |  |
| TITLE            | SHEET INDEX - END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE |  |

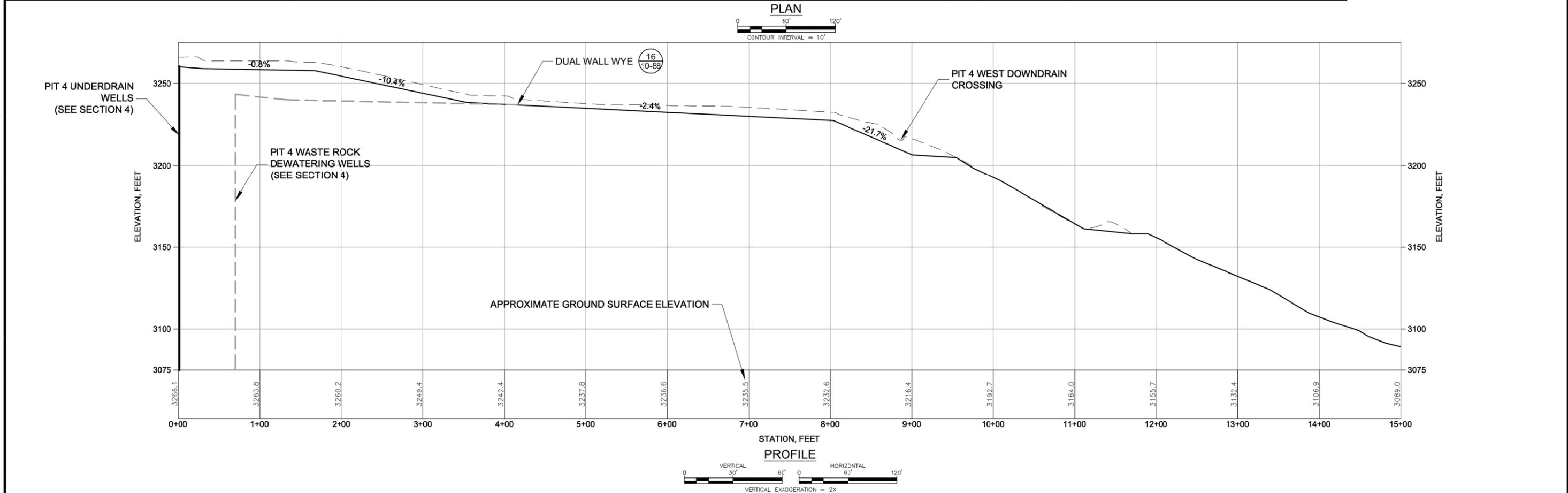
|           |       |          |           |
|-----------|-------|----------|-----------|
| SHEET     | 10-10 | REVISION | 3         |
| FILE NAME | 10-10 | DATE     | JUNE 2015 |



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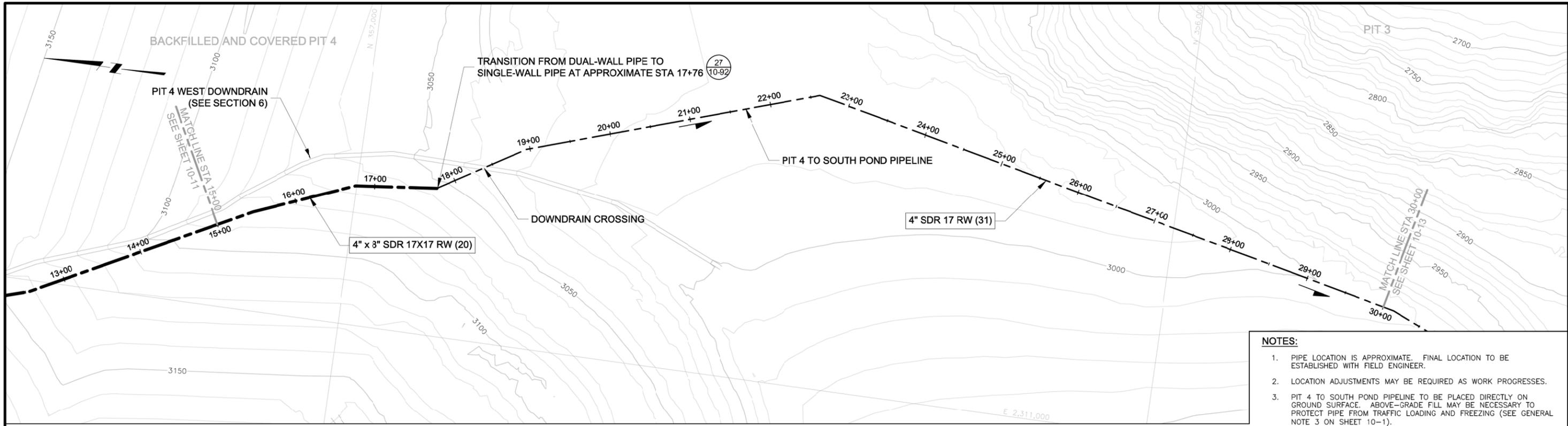


- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO SOUTH POND PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE OUTSIDE OF CAP. ABOVE-GRADE FILL MAY BE NECESSARY OUTSIDE OF CAP TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 3 ON SHEET 10-1).



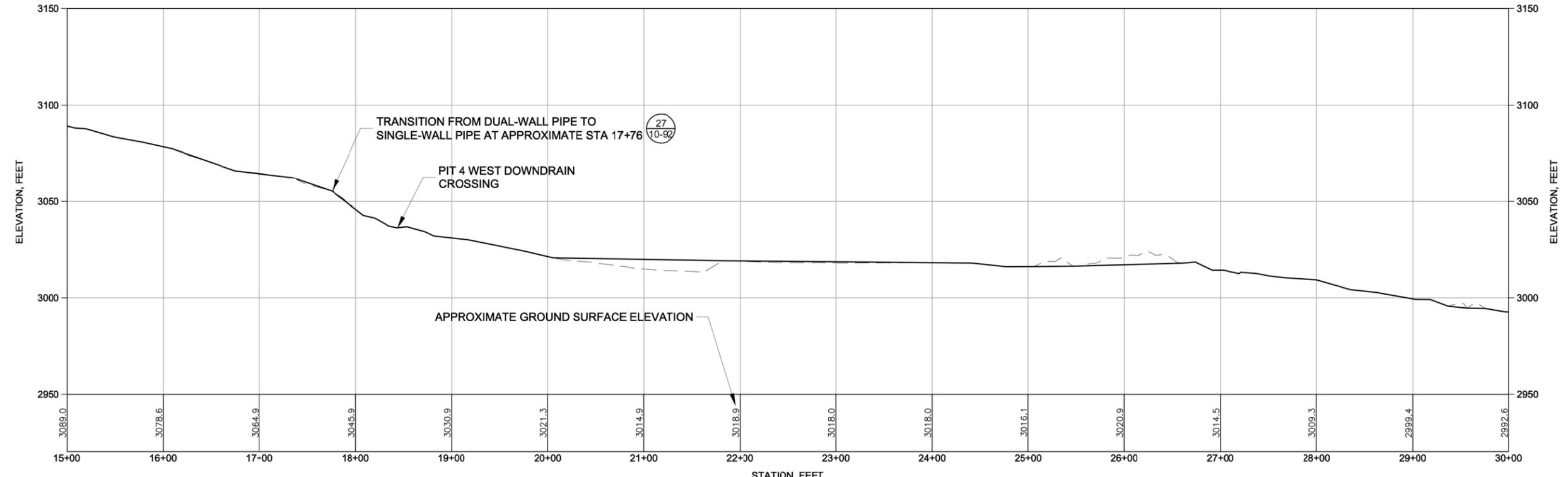
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|   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|
| <p><b>DISCLAIMER:</b><br/>THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOW HOW OF MWH AS AUTHOR ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING ITS PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.</p> |  |  |  | <p><b>DRAWING REFERENCE(S):</b><br/>* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVD88.<br/>* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."</p> |  |  |  | <p>DESIGNED BY: J JIXON 06-15<br/>DRAWN BY: K REED 06-15<br/>CHECKED BY: T KELLEY 06-15<br/>APPROVED BY: C STRACHAN 06-15<br/>PROJECT MANAGER: V DRAIN 06-15</p> |  |  |  | <p>PROJECT LOCATION: WELLPINIT, WASHINGTON<br/>PROJECT: MIDNITE MINE</p>            |  |  |  |
| <p>3 ISSUED FOR 100% DESIGN KR JD 06-15<br/>2 ISSUED FOR 90% DESIGN KT JD 07-14<br/>1 ISSUED FOR 60% DESIGN DM JD 12-13</p>   |  |  |  | <p>TEC-1 ENG DATE</p>  |  |  |  | <p><b>NEWMONT</b></p>  |  |  |  | <p>TITLE: END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 0+00 TO 15+00</p> |  | <p>SHEET: 10-11 REVISION: 3<br/>FILE NAME: 10-11 DATE: JUNE 2015</p> |  |



- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO SOUTH POND PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 3 ON SHEET 10-1).

**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'



**PROFILE**  
 VERTICAL 30' 60' 0 60' 120'  
 HORIZONTAL 60' 120'  
 VERTICAL EXAGGERATION = 2X

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| ISSUE/REV | DESCRIPTION            | TECH | ENG | DATE  |
|-----------|------------------------|------|-----|-------|
| 3         | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
| 2         | ISSUED FOR 90% DESIGN  | KT   | JD  | 07-14 |
| 1         | ISSUED FOR 60% DESIGN  | DM   | JD  | 12-13 |

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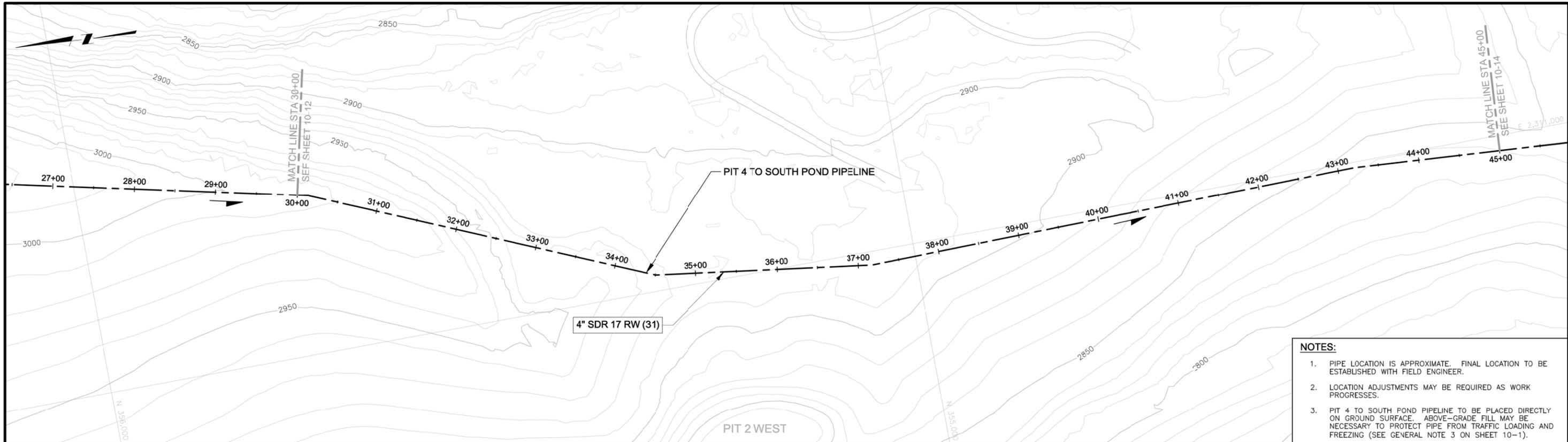
**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVD88.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J DIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



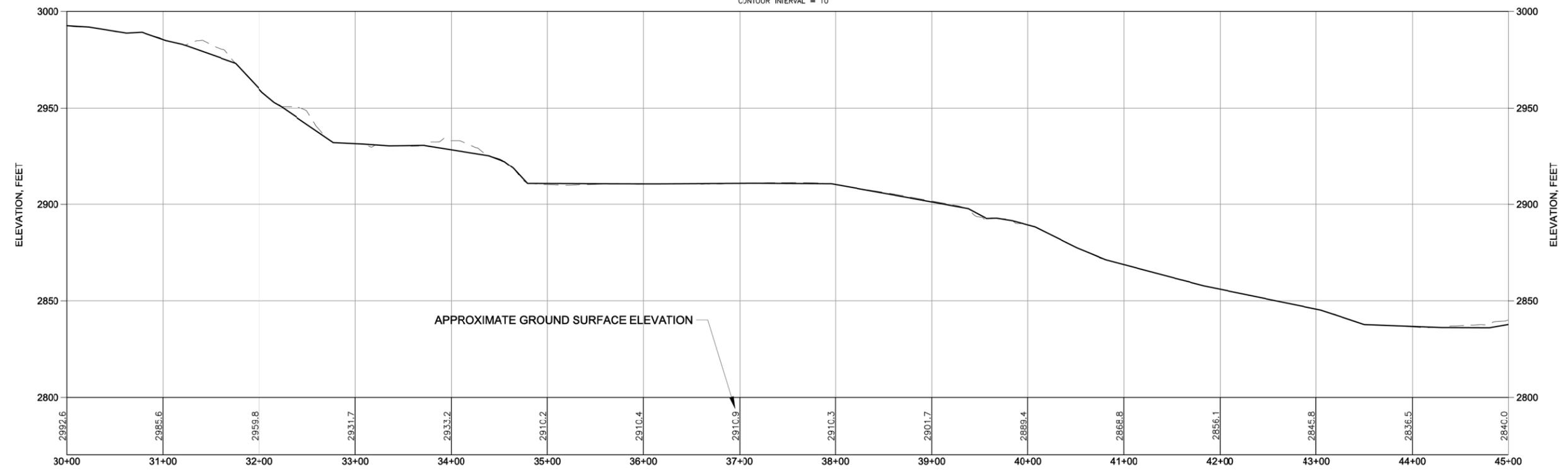
|                  |  |                |
|------------------|--|----------------|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |                |
| PROJECT          | MIDNITE MINE   |                |
| TITLE            | END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 15+00 TO 30+00 |                |
| SHEET            | 10-12  | REVISION 3     |
| FILE NAME        | 10-11  | DATE JUNE 2015 |





- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO SOUTH POND PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 3 ON SHEET 10-1).

**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'



**PROFILE**  
 0 30' 60' 0 60' 120'  
 VERTICAL EXAGGERATION = 2X

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| REV | ISSUE | DESCRIPTION            | TECH | ENG | DATE  |
|-----|-------|------------------------|------|-----|-------|
| 3   |       | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
| 2   |       | ISSUED FOR 90% DESIGN  | KT   | JD  | 07-14 |
| 1   |       | ISSUED FOR 60% DESIGN  | DM   | JD  | 12-13 |

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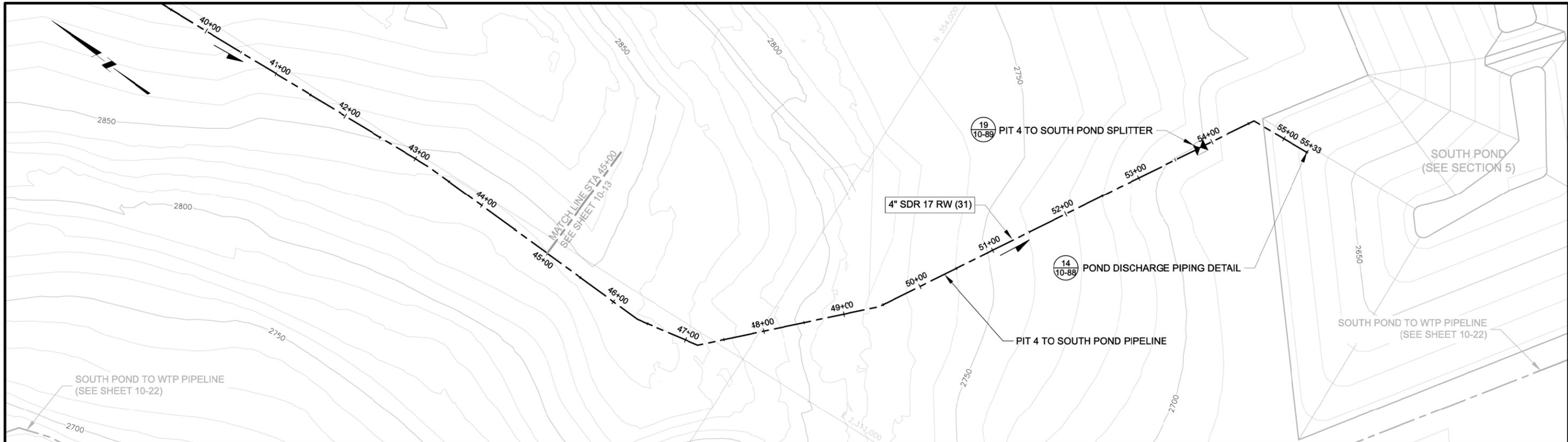
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|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J DIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

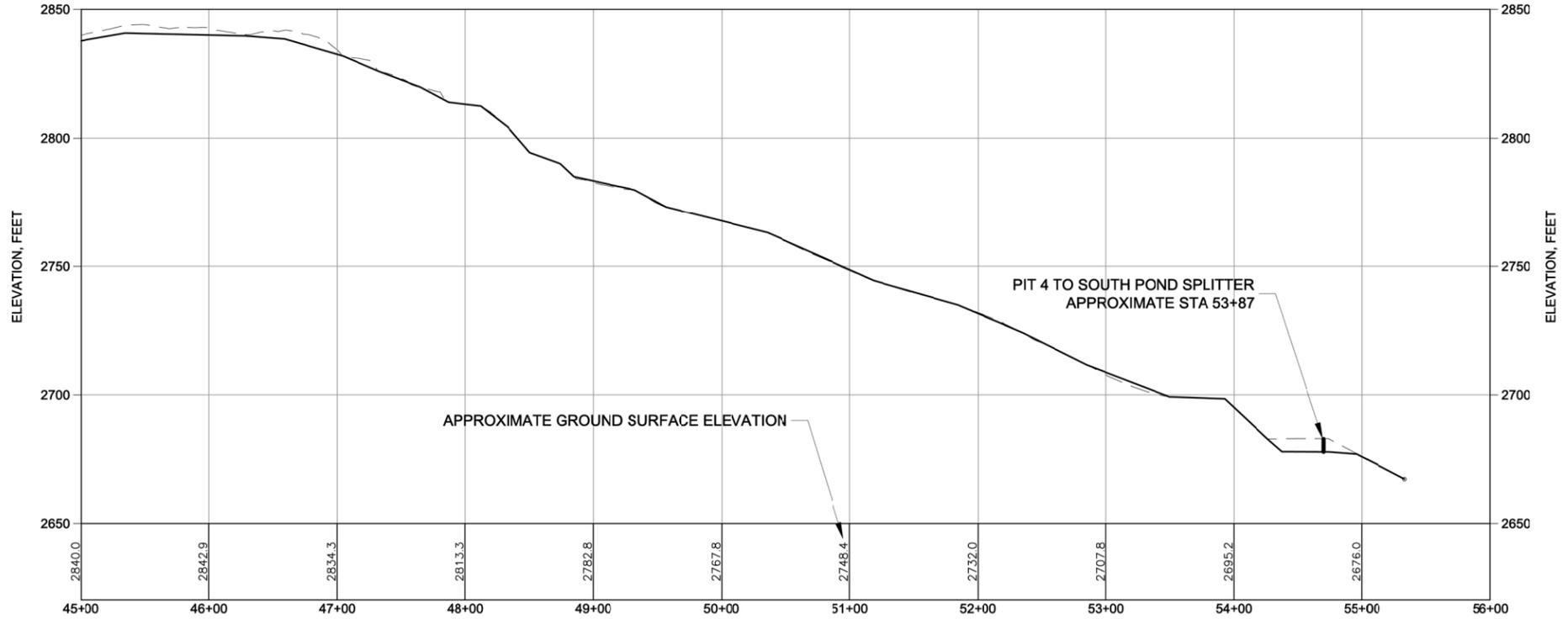


|                  |  |  |
|------------------|--|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 30+00 TO 45+00 |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-13 | REVISION | 3         |
|  | FILE NAME | 10-11 | DATE     | JUNE 2015 |



**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'



**PROFILE**  
 VERTICAL 0 30' 60' 0 60' 120'  
 HORIZONTAL  
 VERTICAL EXAGGERATION = 2X

- NOTES:**
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
  2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
  3. PIT 4 TO SOUTH POND PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 3 ON SHEET 10-1).

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| ISSUE/REV | DESCRIPTION            | TECH | ENG | DATE  |
|-----------|------------------------|------|-----|-------|
| 3         | ISSUED FOR 100% DESIGN | KR   | JD  | 06-15 |
| 2         | ISSUED FOR 90% DESIGN  | KT   | JD  | 07-14 |

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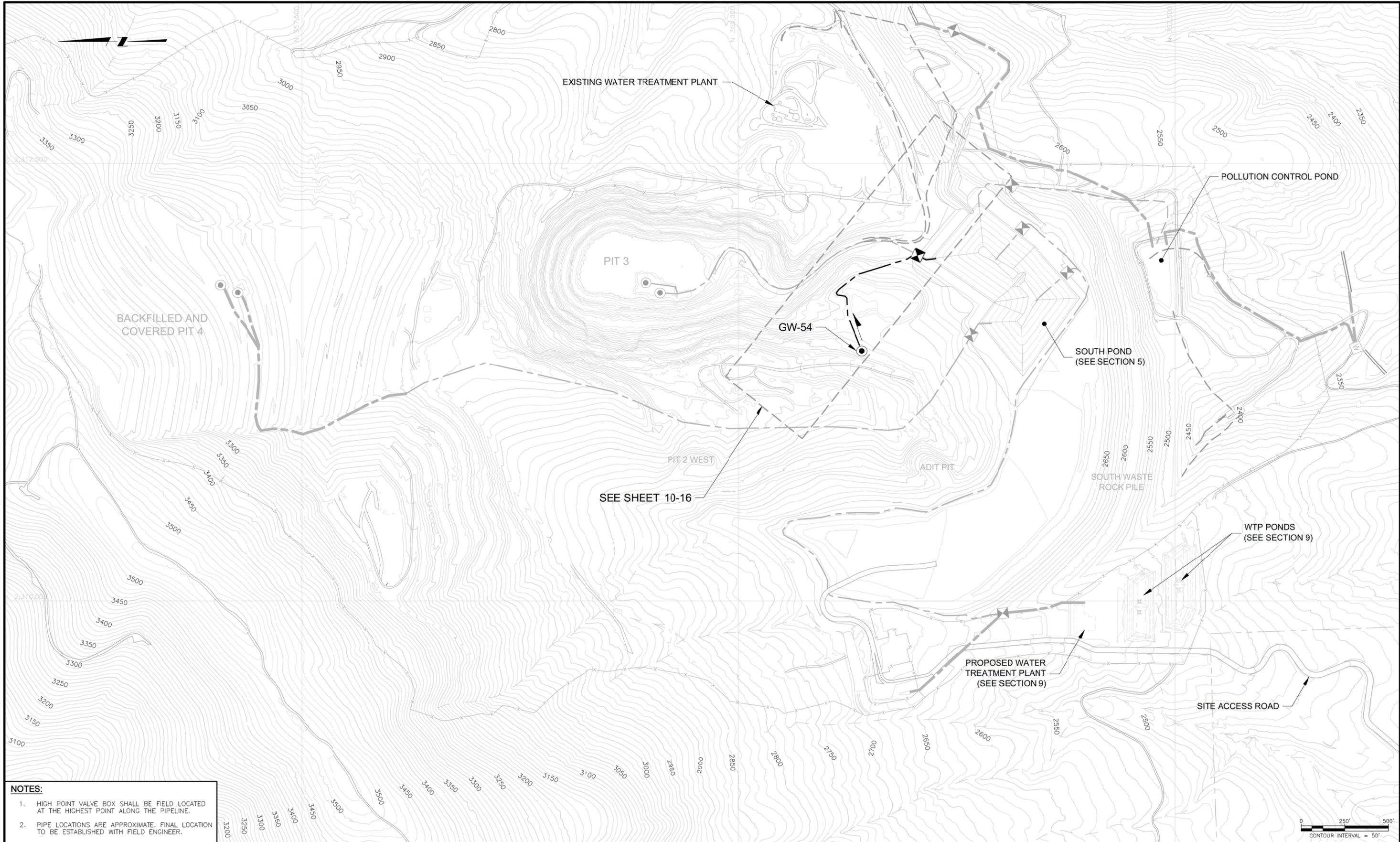
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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J DIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

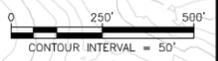


|                  |  |  |
|------------------|--|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 45+00 TO END |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-14 | REVISION | 3         |
|  | FILE NAME | 10-11 | DATE     | JUNE 2015 |



- NOTES:**
- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
  - PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.



| REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----|------------------------|-------|-----|-------|
| 3   | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |

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**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVDS8.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

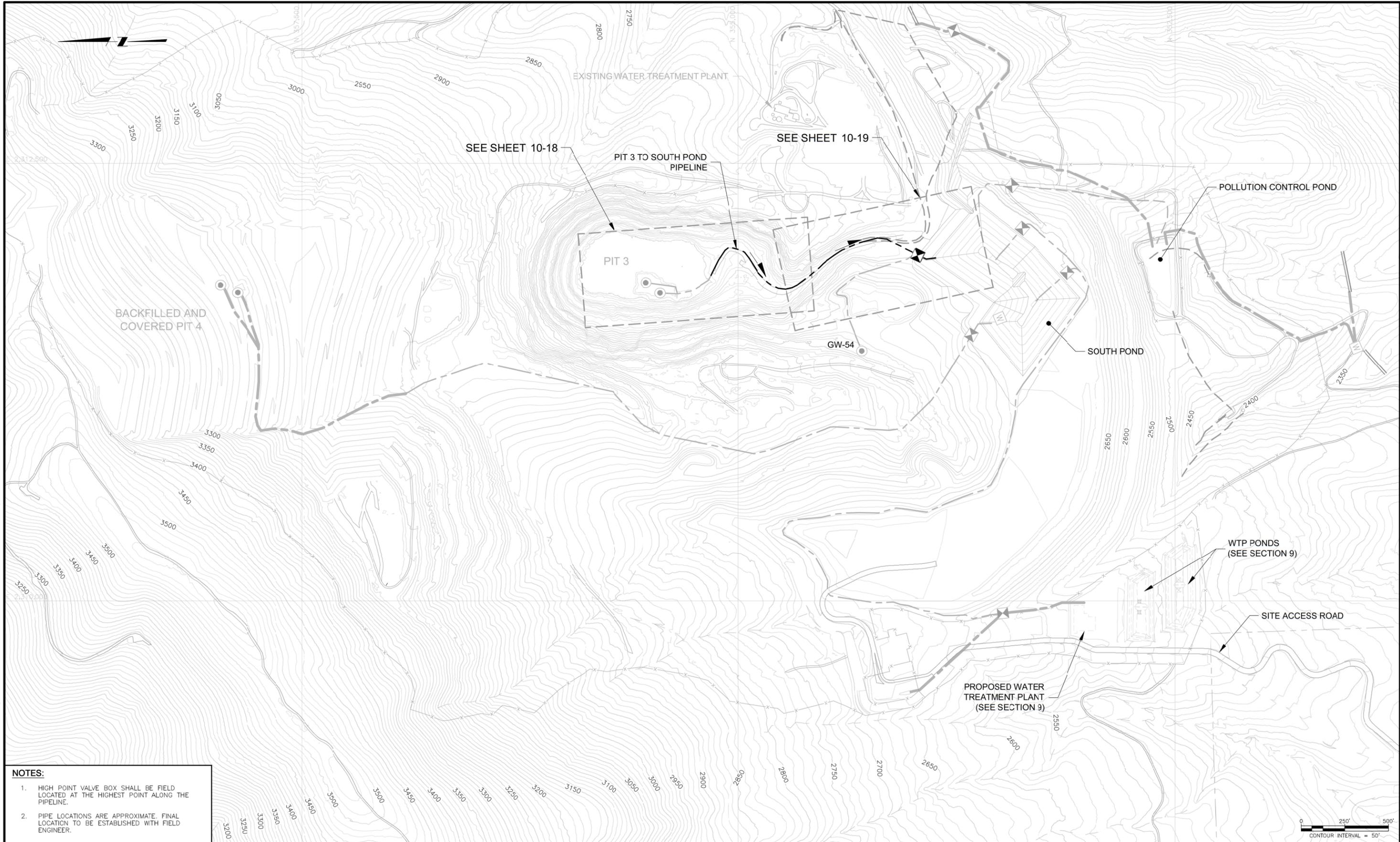


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|------------------|---|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON                                       |  |
| PROJECT          | MIDNITE MINE  |  |
| TITLE            | SHEET INDEX - END OF PHASE 1 - GW-54 TO SOUTH POND PIPELINE |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-15 | REVISION | 3         |
|  | FILE NAME | 10-15 | DATE     | JUNE 2015 |

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- NOTES:**
- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
  - PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

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 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

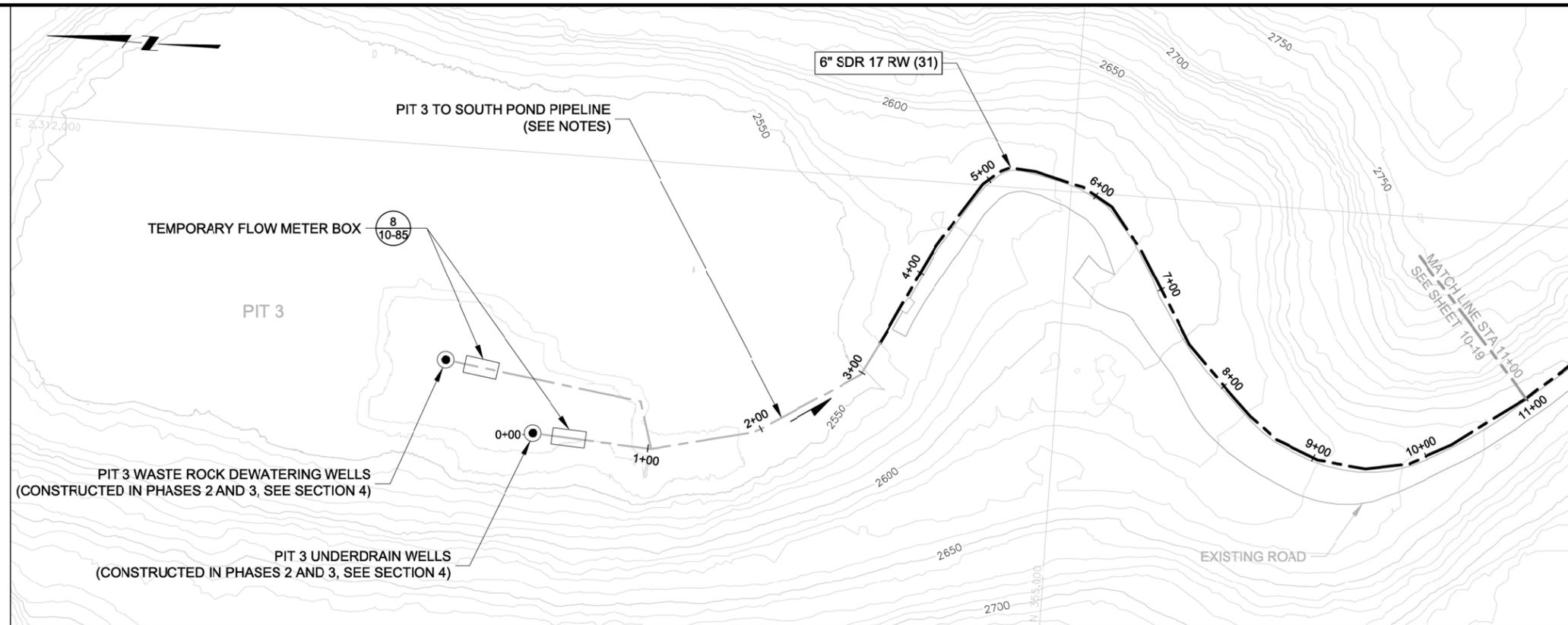
|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



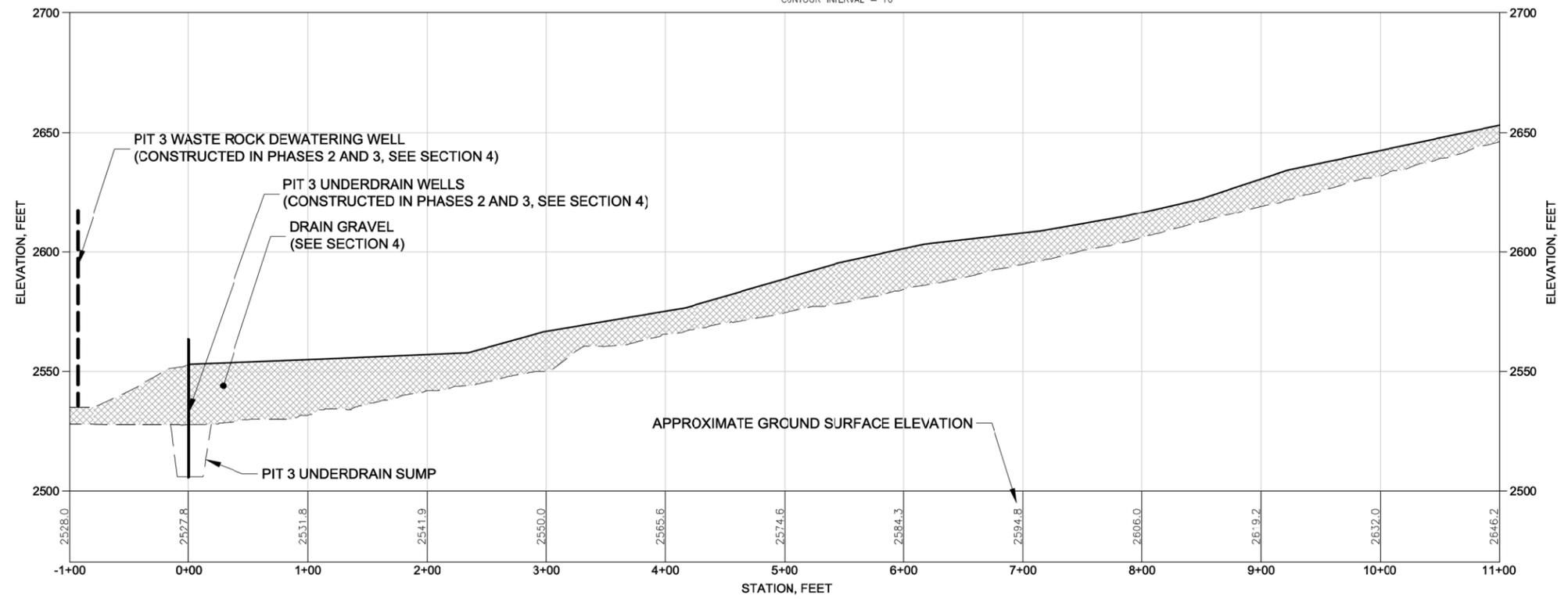
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| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | SHEET INDEX - END OF PHASE 1 - PIT 3 TO SOUTH POND PIPELINES |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-17 | REVISION | 3         |
|  | FILE NAME | 10-17 | DATE     | JUNE 2015 |

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**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'



**PROFILE**  
 0 30' 60' 120'  
 VERTICAL EXAGGERATION = 2X

**NOTES:**

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
3. PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).
4. PIT 3 TO SOUTH POND PIPELINE IS SHOWN AT THE COMPLETION OF PIT 3 UNDERDRAIN GRAVEL PLACEMENT. CONTRACTOR SHALL ADJUST PIPELINE CONFIGURATION TO FACILITATE INITIAL DEWATERING OF PIT 3 AND ONGOING PLACEMENT OF BACKFILL WITHIN THE PIT 3 WASTE CONTAINMENT AREA.

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| ISSUE/REV | DESCRIPTION            | TEC-I | ENG | DATE  |
|-----------|------------------------|-------|-----|-------|
| 3         | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2         | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |
| 1         | ISSUED FOR 60% DESIGN  | DM    | JD  | 12-13 |

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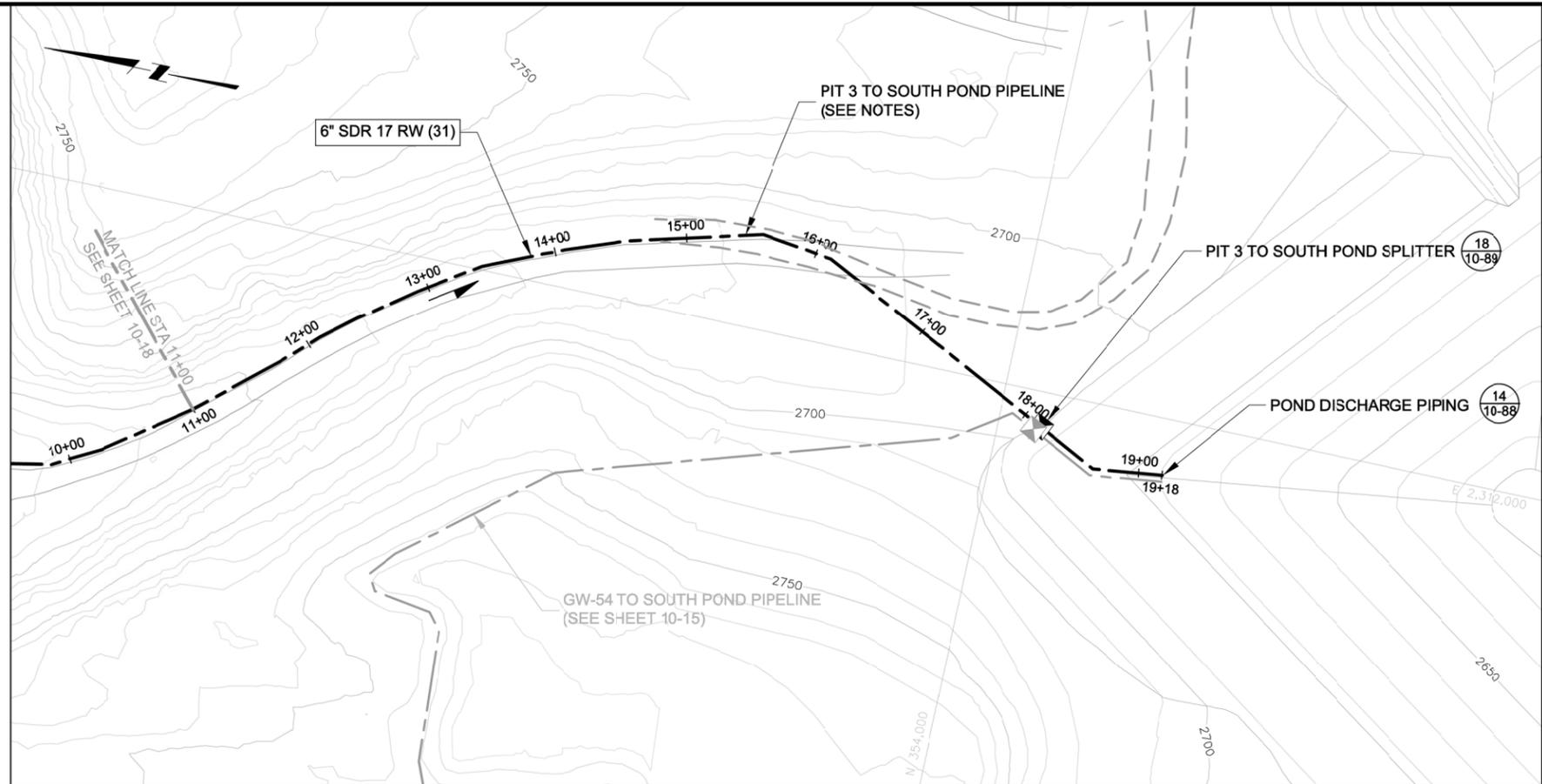
**DRAWING REFERENCE(S):**  
 \* EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL 2010, WASHINGTON STATE PLANE-NORTH, NAD83/NAVD88.  
 \* TOPOGRAPHY CONTOURS ADJACENT TO LIDAR MAPPING DOWNLOADED FROM "SEAMLESS.USGS.GOV."

|                 |            |       |
|-----------------|------------|-------|
| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |

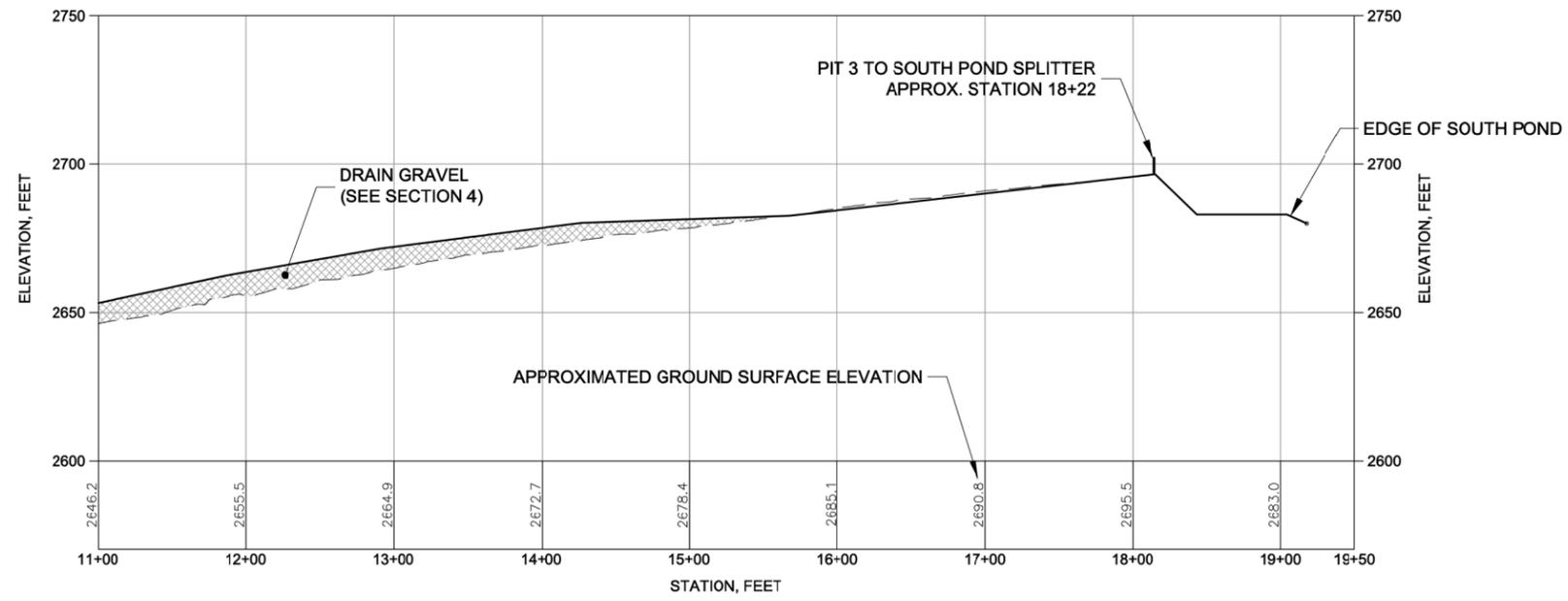


|                  |   |  |
|------------------|---|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON   |  |
| PROJECT          | MIDNITE MINE  |  |
| TITLE            | END OF PHASE 1 - PIT 3 TO SOUTH POND PIPELINE - STATION 0+00 TO 11+00 |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-18 | REVISION | 3         |
|  | FILE NAME | 10-18 | DATE     | JUNE 2015 |



**PLAN**  
 0 60' 120'  
 CONTOUR INTERVAL = 10'



**PROFILE**  
 0 30' 60' 120'  
 VERTICAL EXAGGERATION = 2X

**NOTES:**

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.
3. PIPELINE TO BE PLACED DIRECTLY ON GROUND SURFACE. ABOVE-GRADE FILL MAY BE NECESSARY TO PROTECT PIPE FROM TRAFFIC LOADING AND FREEZING (SEE GENERAL NOTE 2 ON SHEET 10-1).

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| REV | DESCRIPTION            | TEC | ENG | DATE  |
|-----|------------------------|-----|-----|-------|
| 3   | ISSUED FOR 100% DESIGN | KR  | JD  | 06-15 |
| 2   | ISSUED FOR 90% DESIGN  | KT  | JD  | 07-14 |
| 1   | ISSUED FOR 60% DESIGN  | DM  | JD  | 12-13 |

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| DESIGNED BY     | J JIXON    | 06-15 |
| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



|                  |  |  |
|------------------|--|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON  |  |
| PROJECT          | MIDNITE MINE   |  |
| TITLE            | END OF PHASE 1 - PIT 3 TO SOUTH POND PIPELINE - STATION 11+00 TO END |  |

|  |           |       |          |           |
|--|-----------|-------|----------|-----------|
|  | SHEET     | 10-19 | REVISION | 3         |
|  | FILE NAME | 10-18 | DATE     | JUNE 2015 |



- NOTES:**
- HIGH POINT VALVE BOX SHALL BE FIELD LOCATED AT THE HIGHEST POINT ALONG THE PIPELINE.
  - PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

| ISSUE | DESCRIPTION            | TEC-I | ENG | DATE  |
|-------|------------------------|-------|-----|-------|
| 3     | ISSUED FOR 100% DESIGN | KR    | JD  | 06-15 |
| 2     | ISSUED FOR 90% DESIGN  | KT    | JD  | 07-14 |

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| DRAWN BY        | K REED     | 06-15 |
| CHECKED BY      | T KELLEY   | 06-15 |
| APPROVED BY     | C STRACHAN | 06-15 |
| PROJECT MANAGER | V DRAIN    | 06-15 |



|                  |   |  |
|------------------|---|--|
| PROJECT LOCATION | WELLPINIT, WASHINGTON                                     |  |
| PROJECT          | MIDNITE MINE  |  |
| TITLE            | SHEET INDEX - END OF PHASE 1 - PCP TO SOUTH POND PIPELINE |  |

|           |       |          |           |
|-----------|-------|----------|-----------|
| SHEET     | 10-20 | REVISION | 3         |
| FILE NAME | 10-20 | DATE     | JUNE 2015 |



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