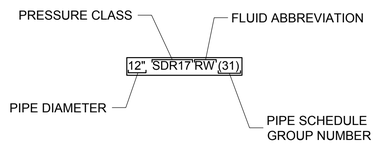
SECTION 10 GENERAL INFORMATION

LEGEND

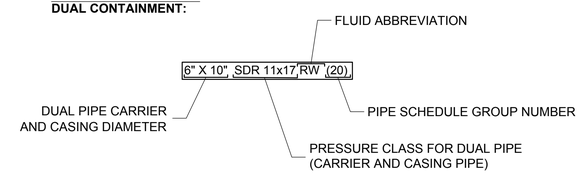
- EXISTING PIPES
- PROPOSED DUAL-WALL PIPE
- PROPOSED SINGLE-WALL PIPE
- PROPOSED PIPE INVERT (IN PROFILE)
- PREVIOUSLY CONSTRUCTED DUAL-WALL PIPE
- PREVIOUSLY CONSTRUCTED SINGLE-WALL PIPE
- GROUND SURFACE (IN PROFILE)
- MH — MANHOLE
- W — WET WELL
- VALVE BOX
- WELL HEAD
- EXISTING SEEP

PIPING REFERENCE SYMBOLS

PIPING IDENTIFICATION
SINGLE CONTAINMENT:



PIPING IDENTIFICATION
DUAL CONTAINMENT:



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 ½" 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 REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: GENERAL PIPELINES SHEET

MWH

SHEET 10-1 | REVISION 3
FILE NAME 10-1 | DATE JUNE 2015

pw:\\ormerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\03-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-1.dwg

OVERALL INFLUENT PIPELINE PLAN
SEE SHEET 10-56

BLUE CREEK RD

MIDNITE MINE SITE

OVERALL EFFLUENT PIPELINE PLAN
SEE SHEET 10-63

OVERALL INFLUENT PIPELINE PLAN
SEE SHEET 10-56

BLUE CREEK

PROPOSED WATER
TREATMENT PLANT

RHOADS PROPERTY BOUNDARY

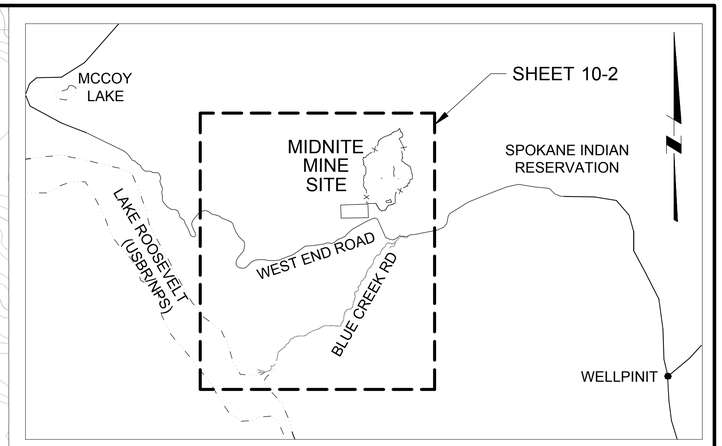
WEST END ROAD

TO McCOY LAKE

APPROXIMATE DIFFUSER LOCATION (IN THE LOWEST
PART OF THE LAKE CHANNEL)

SPOKANE ARM
LAKE ROOSEVELT
(USBR/NPS)

0 1200' 2400'
CONTOUR INTERVAL = 20'



KEY MAP
NOT TO SCALE

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	12–12

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

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CHECKED BY	T KELLEY	06–15
APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

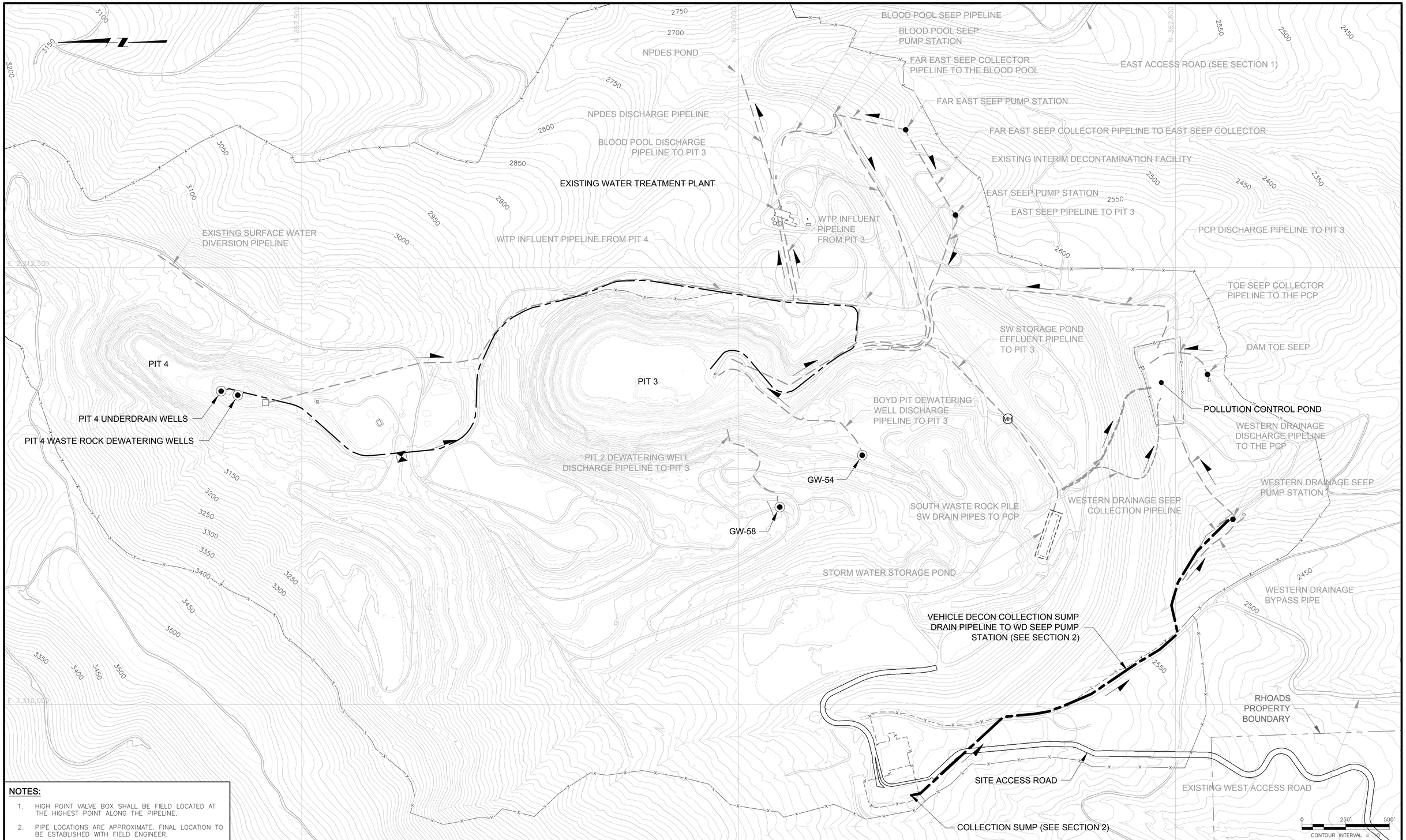
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: OVERALL PERMANENT PIPELINE PLAN

MWH

SHEET 10-2
REVISION 3
FILE NAME 10-2
DATE JUNE 2015

pw:\\omaprpwin03.mwglobal.com:AM_PROJECTS033\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-2.dwg



NOTES:

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

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APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

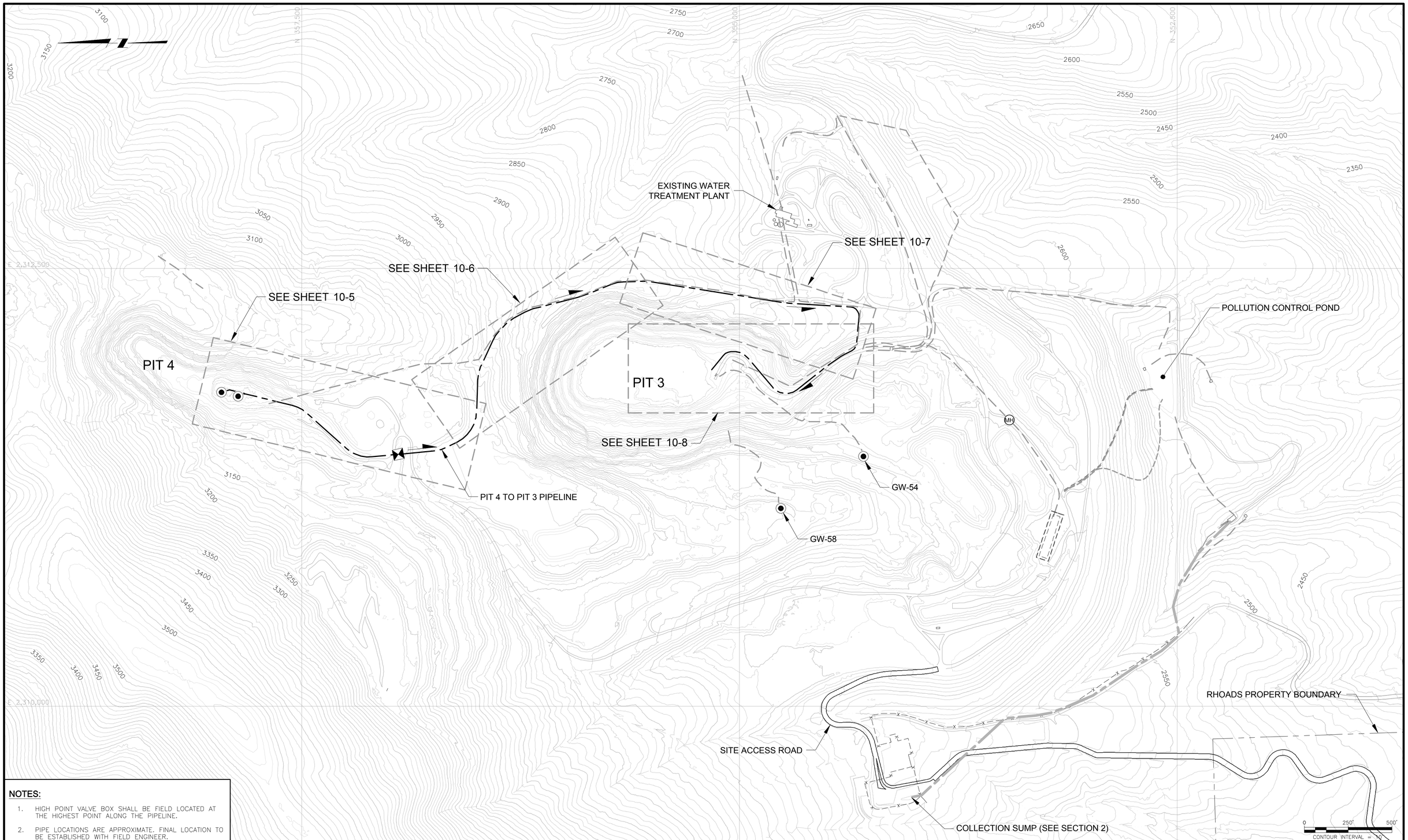
NEWMONT

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

MWH

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

pw:\\cornerpwinfo03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-3.dwg



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1	ISSUED FOR 60% DESIGN	DM	JD	12–13

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APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

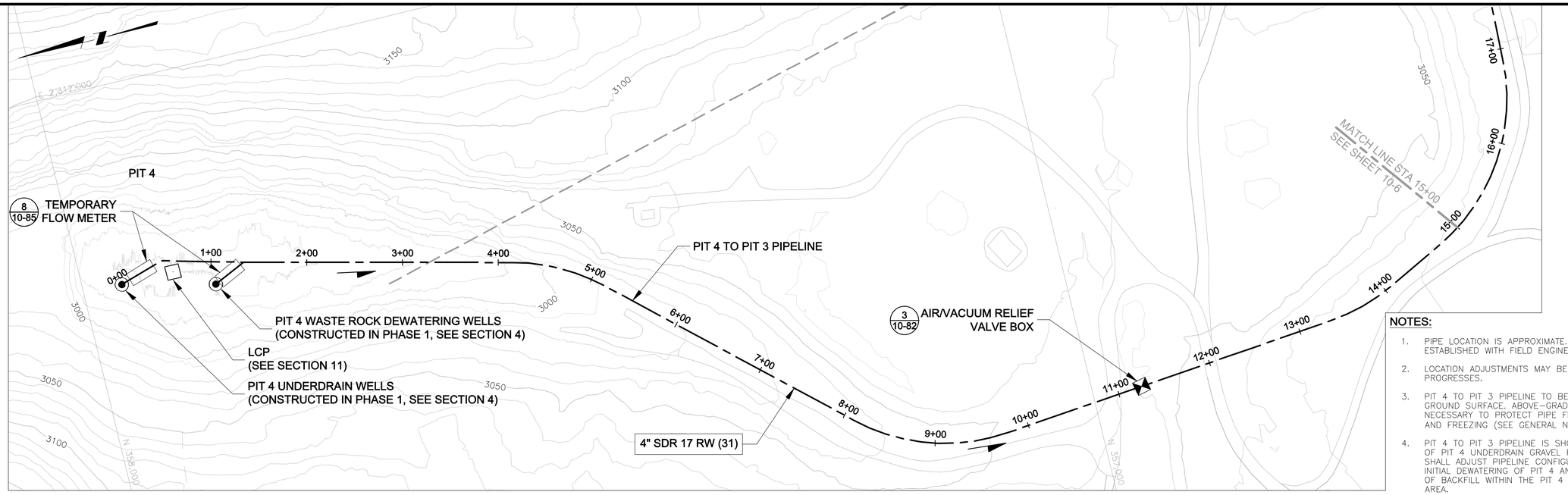
NEWMONT

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

MWH

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

pw:\\omerpwein103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WIP n PIPES\10-4.dwg



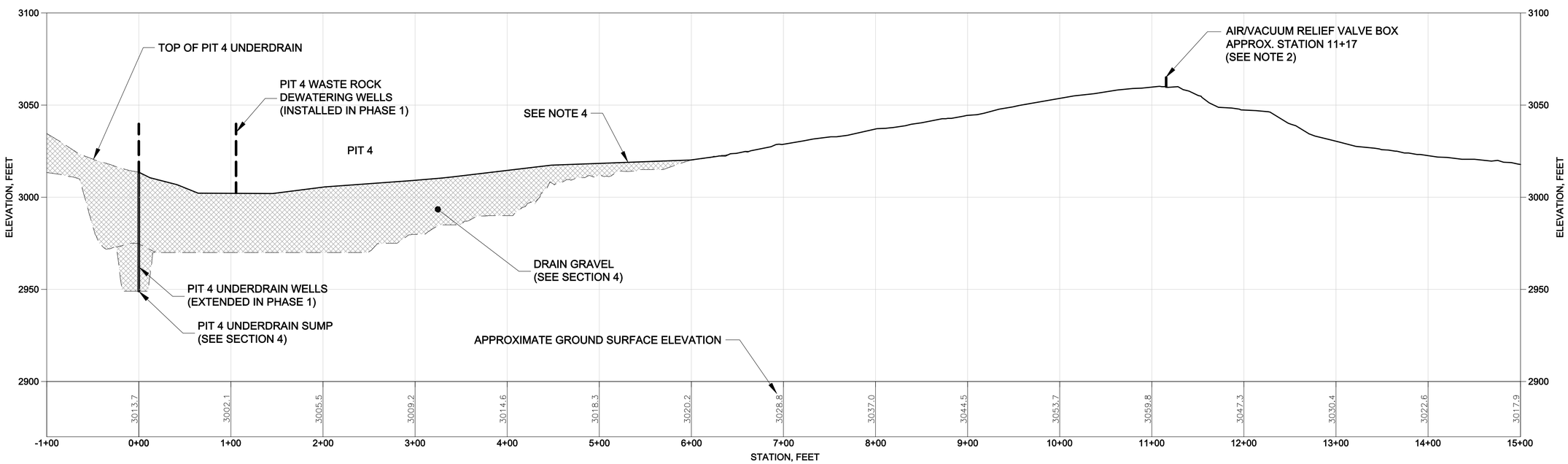
NOTES:

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.

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
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APPROVED BY	C STRACHAN	06-15
PROJECT MANAGER	V DRAIN	06-15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 0+00 TO 15+00

MWH

SHEET: 10-5 | REVISION: 3

FILE NAME: 10-5 | DATE: JUNE 2015

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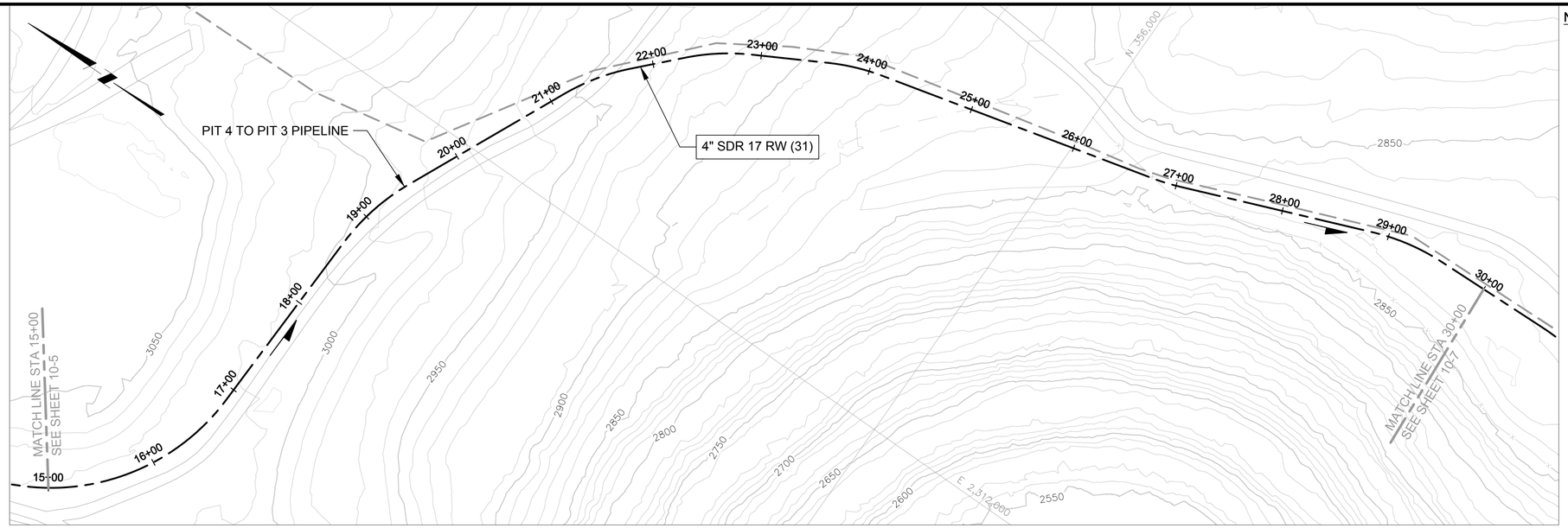

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'

NOTES:

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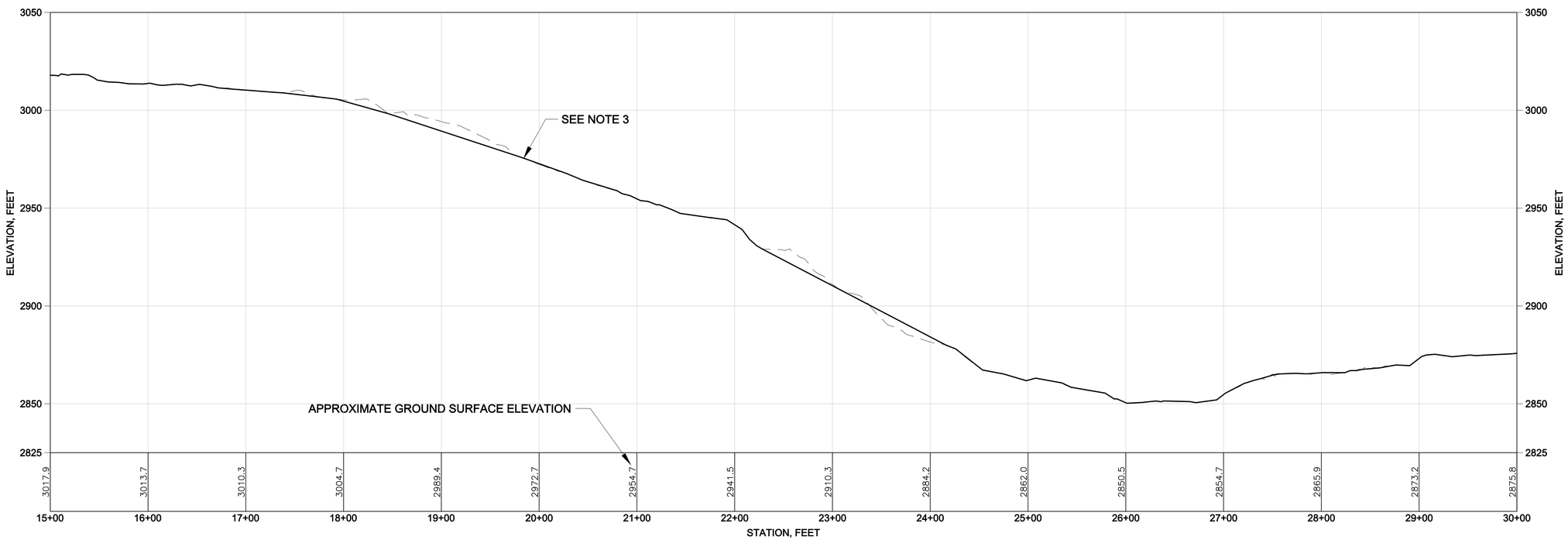

PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
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1	ISSUED FOR 60% DESIGN	DM	JD	12–13
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APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 15+00 TO 30+00

MWH

SHEET 10-6 | REVISION 3

FILE NAME 10-5 | DATE JUNE 2015

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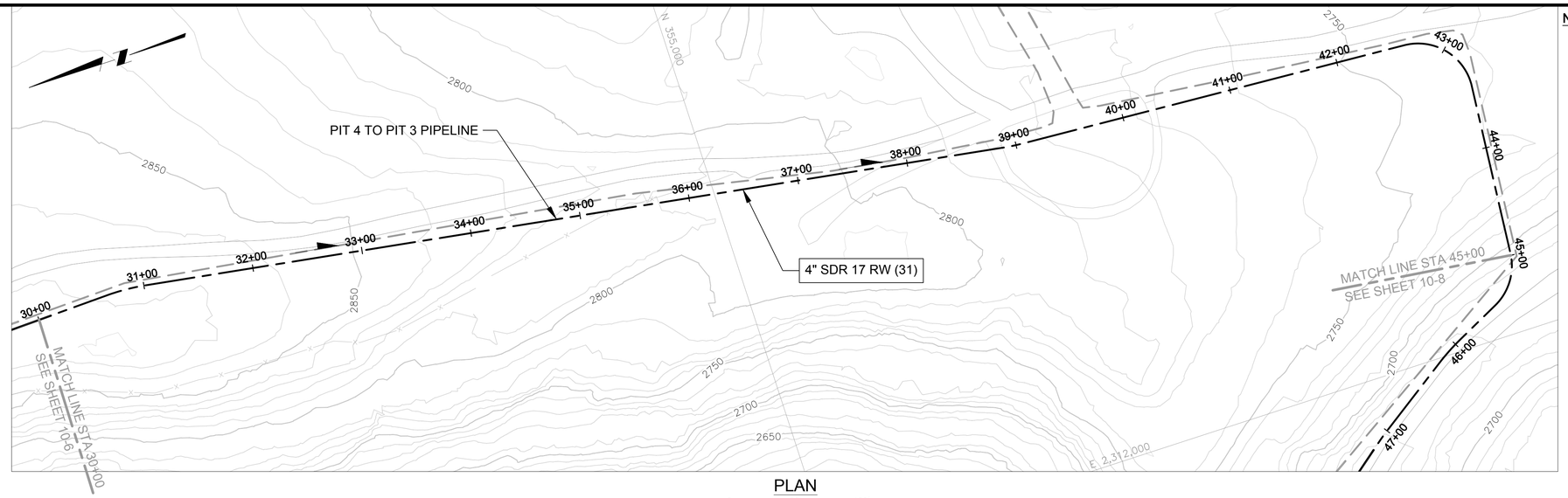

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'

NOTES:

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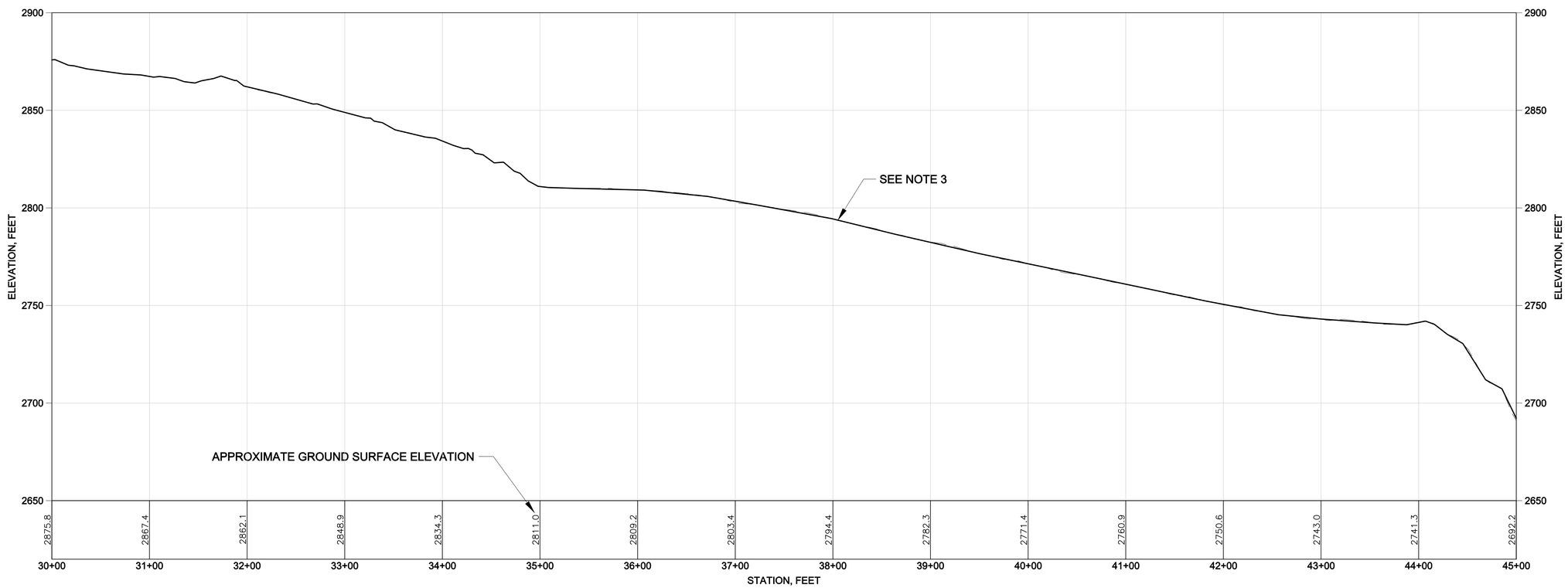

PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

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APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 30+00 TO 45+00

MWH

SHEET 10-7 | REVISION 3

FILE NAME 10-5 | DATE JUNE 2015

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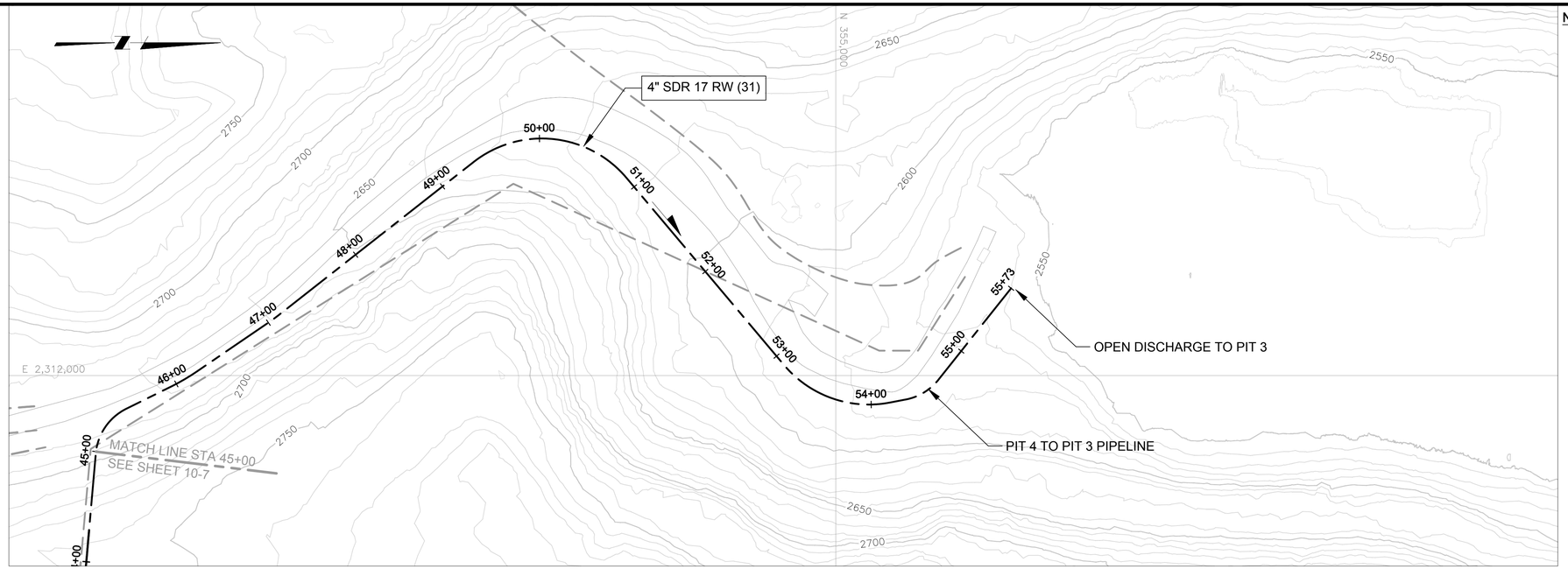
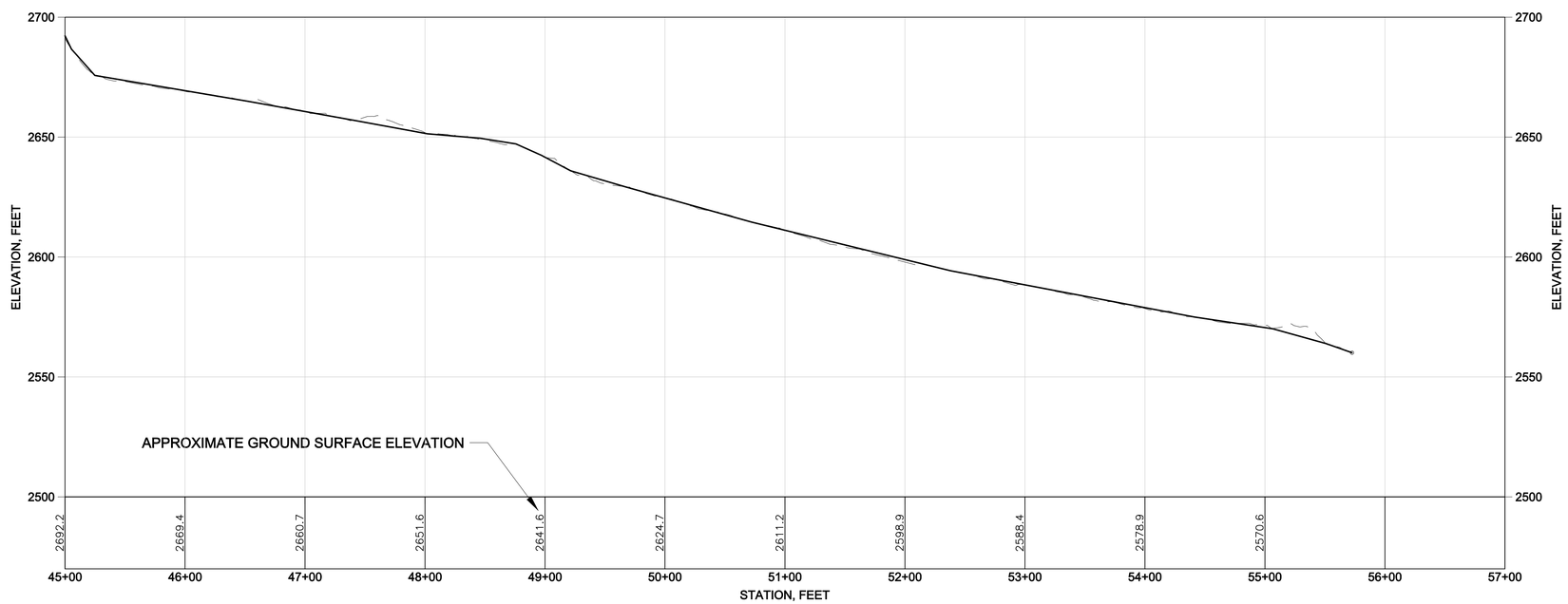


PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 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. 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.

ISSUE REV	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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

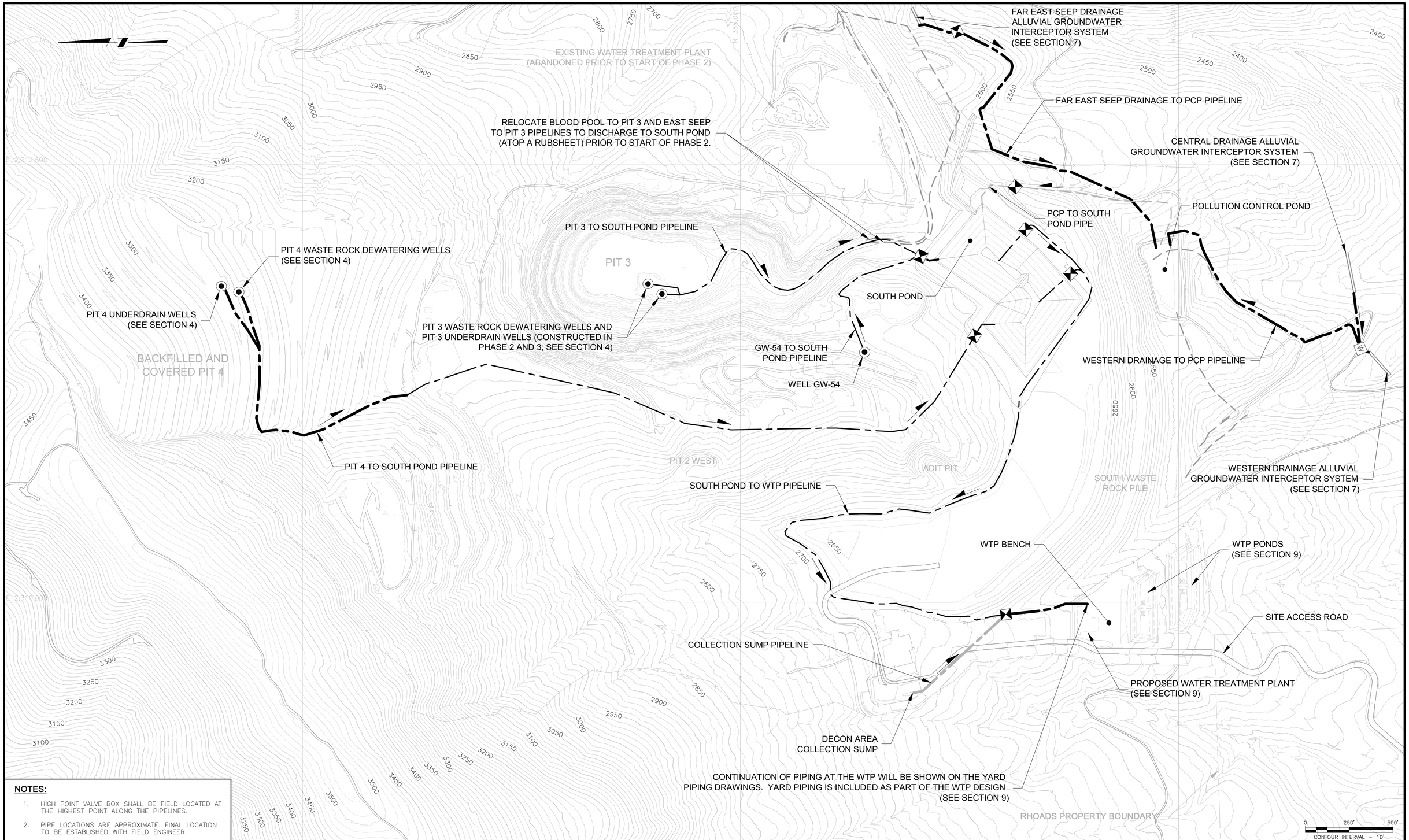
TITLE: START OF PHASE 1 - PIT 4 TO PIT 3 PIPELINE -STATION 45+00 TO END

MWH

SHEET: 10-8 | REVISION: 3

FILE NAME: 10-5 | DATE: JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-5.dwg



NOTES:

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

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

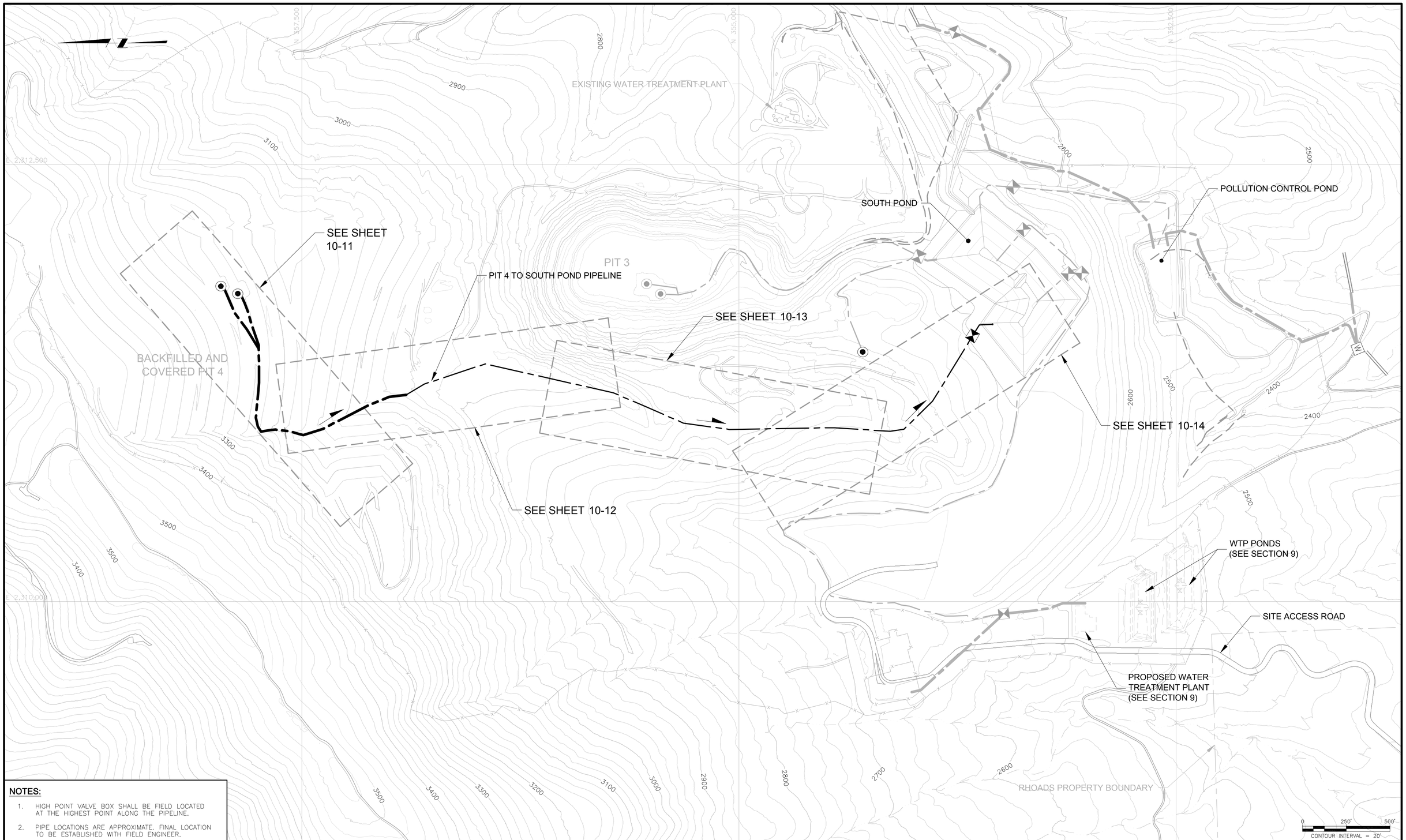
TITLE: OVERALL INFLUENT PIPELINES PLAN - END OF PHASE 1

MWH

SHEET: 10-9 | REVISION: 3

FILE NAME: 10-9 | DATE: JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-9.dwg



NOTES:

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: SHEET INDEX - END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE

MWH

SHEET: 10-10 | REVISION: 3

FILE NAME: 10-10 | DATE: JUNE 2015

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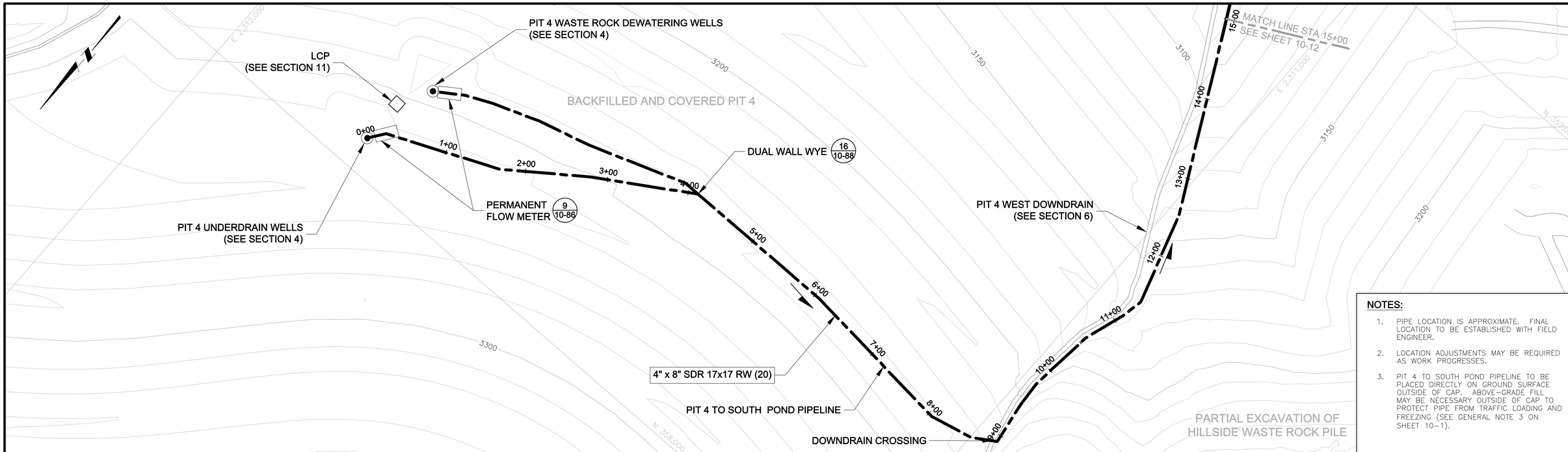


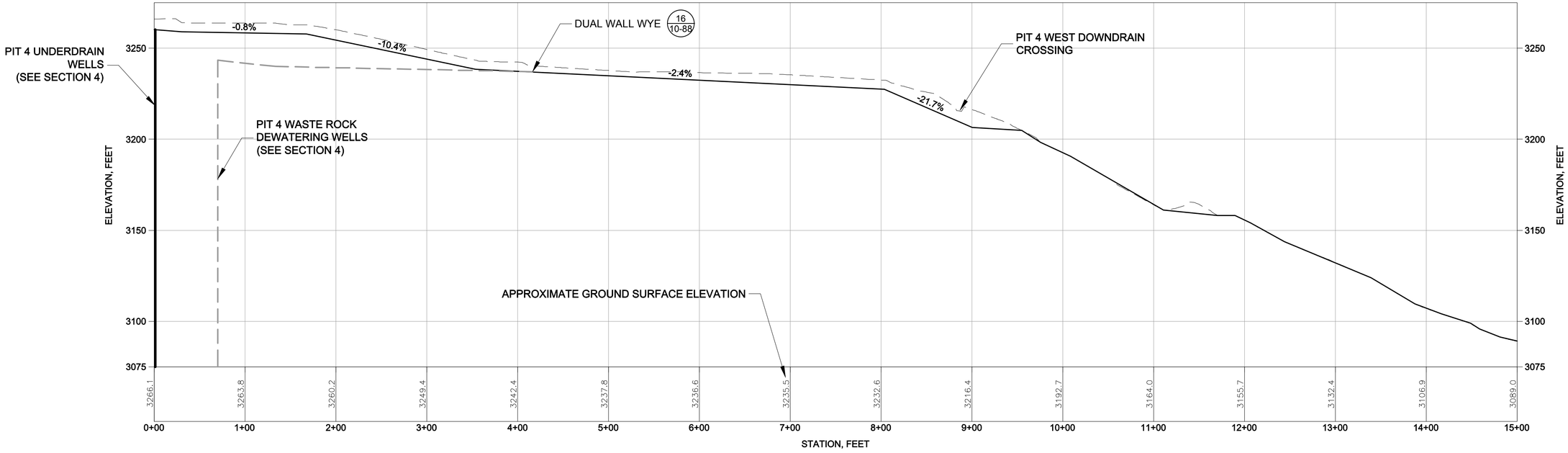
NOTES:

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).

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 0+00 TO 15+00

MWH

SHEET: 10-11 | REVISION: 3

FILE NAME: 10-11 | DATE: JUNE 2015

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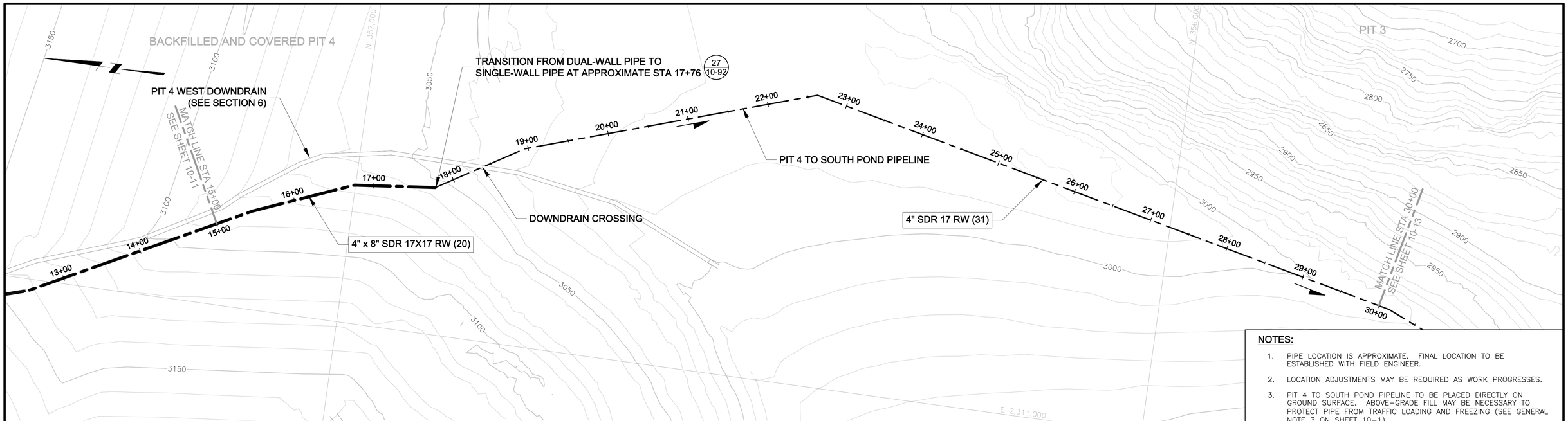


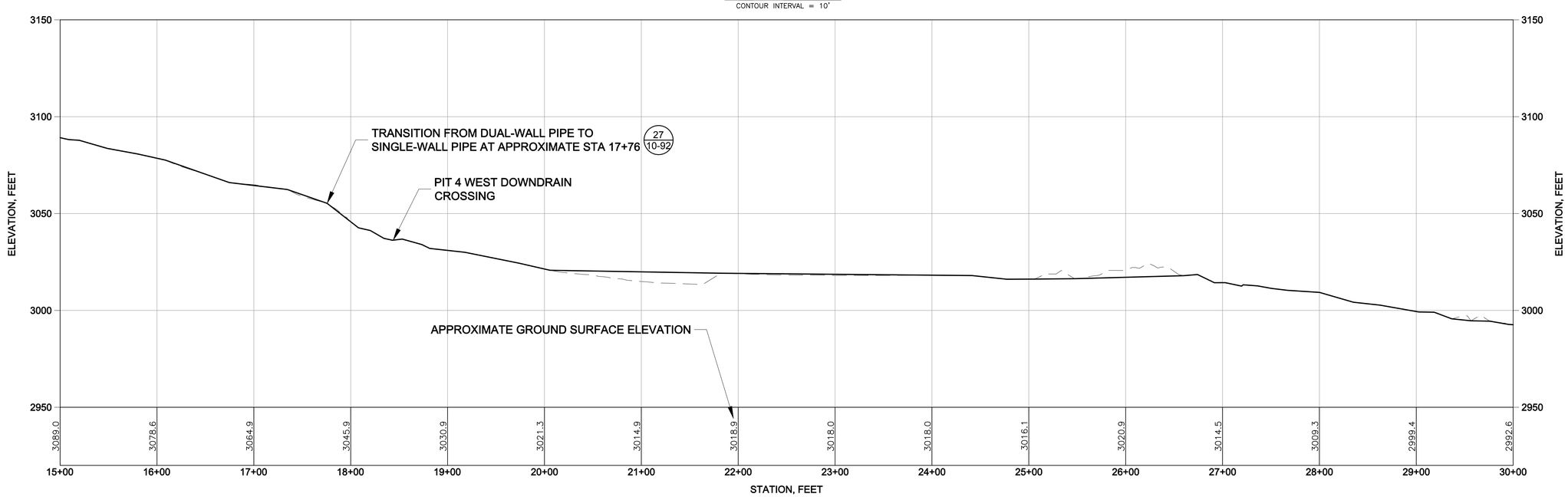
NOTES:

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. 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 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

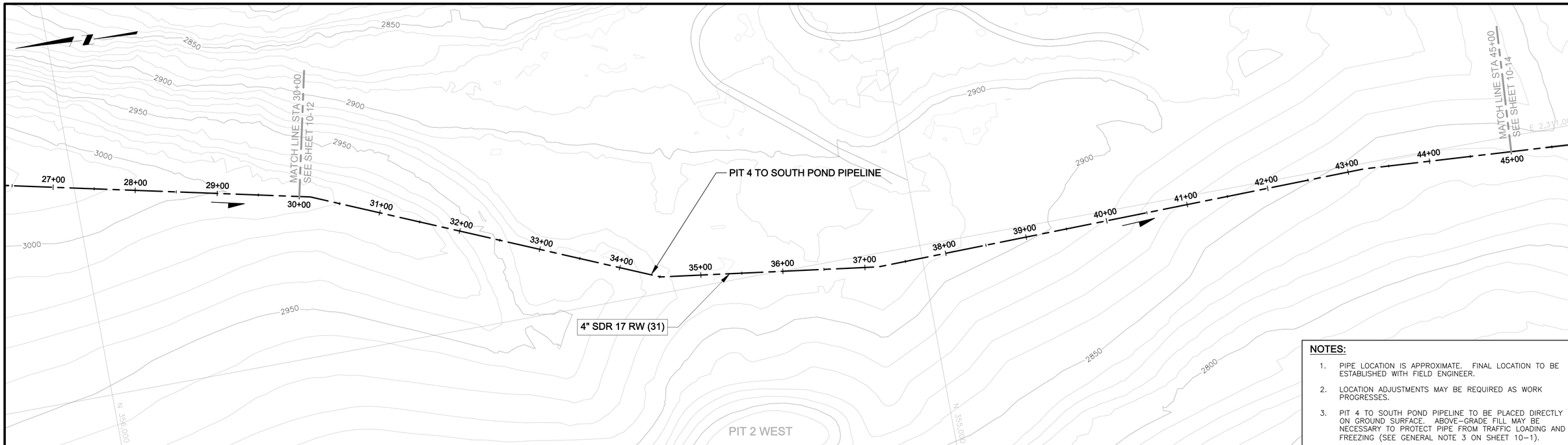
TITLE: END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 15+00 TO 30+00

MWH

SHEET 10-12 | REVISION 3

FILE NAME 10-11 | DATE JUNE 2015

pw:\\omerwpwint03.mwglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\03-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-11.dwg



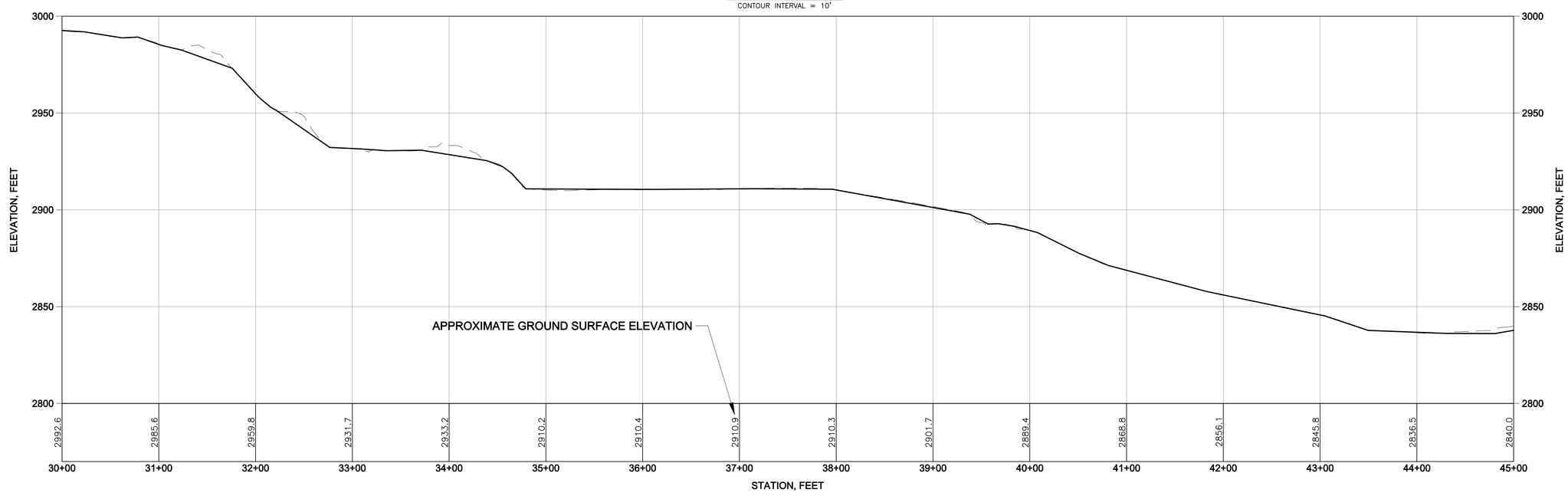
NOTES:

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 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 30+00 TO 45+00

MWH

SHEET 10-13 | REVISION 3

FILE NAME 10-11 | DATE JUNE 2015

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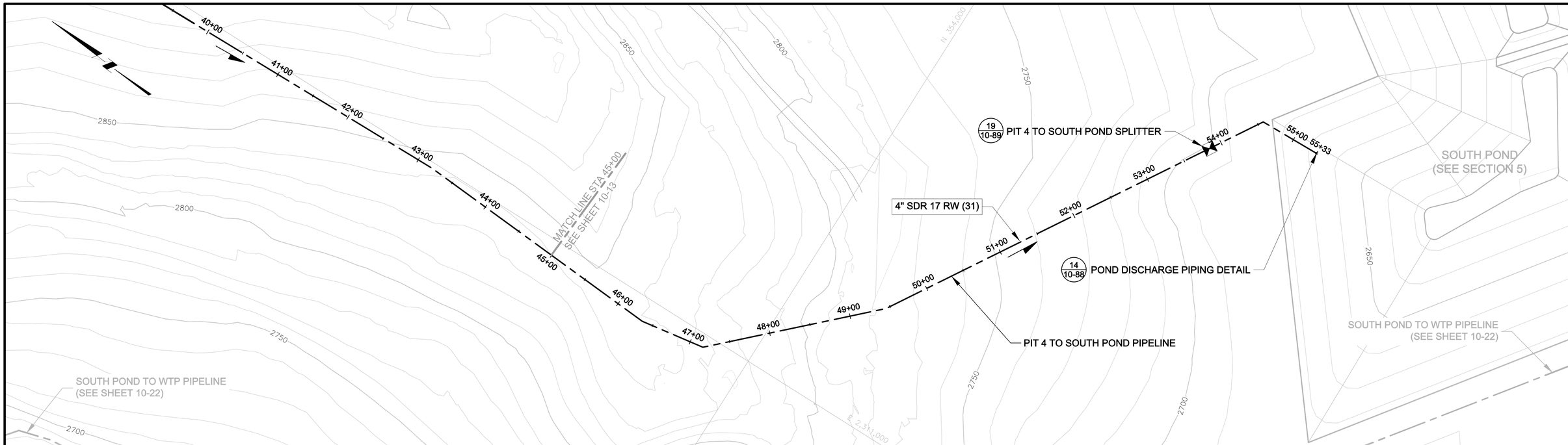
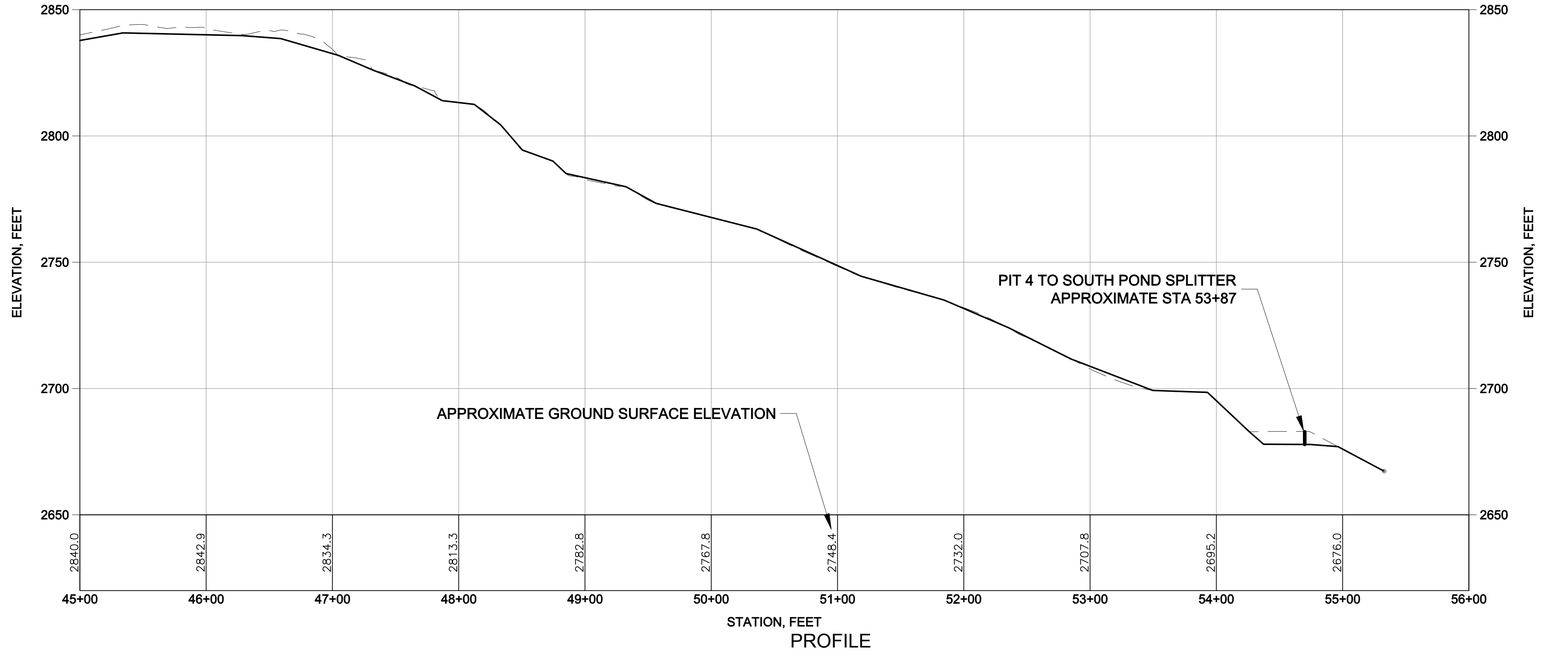


PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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. 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).

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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DRAWN BY	K REED	06-15
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APPROVED BY	C STRACHAN	06-15
PROJECT MANAGER	V DRAIN	06-15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - PIT 4 TO SOUTH POND PIPELINE - STATION 45+00 TO END

MWH

SHEET 10-14 | REVISION 3

FILE NAME 10-11 | DATE JUNE 2015

pw:\\amerpwin103.mwglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-11.dwg

EXISTING WATER TREATMENT PLANT

POLLUTION CONTROL POND

PIT 3

BACKFILLED AND COVERED PIT 4

GW-54

SOUTH POND (SEE SECTION 5)

PIT 2 WEST

ADIT PIT

SOUTH WASTE ROCK PILE

SEE SHEET 10-16

WTP PONDS (SEE SECTION 9)

PROPOSED WATER TREATMENT PLANT (SEE SECTION 9)

SITE ACCESS ROAD

0 250' 500'

CONTOUR INTERVAL = 50'

NOTES:

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

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

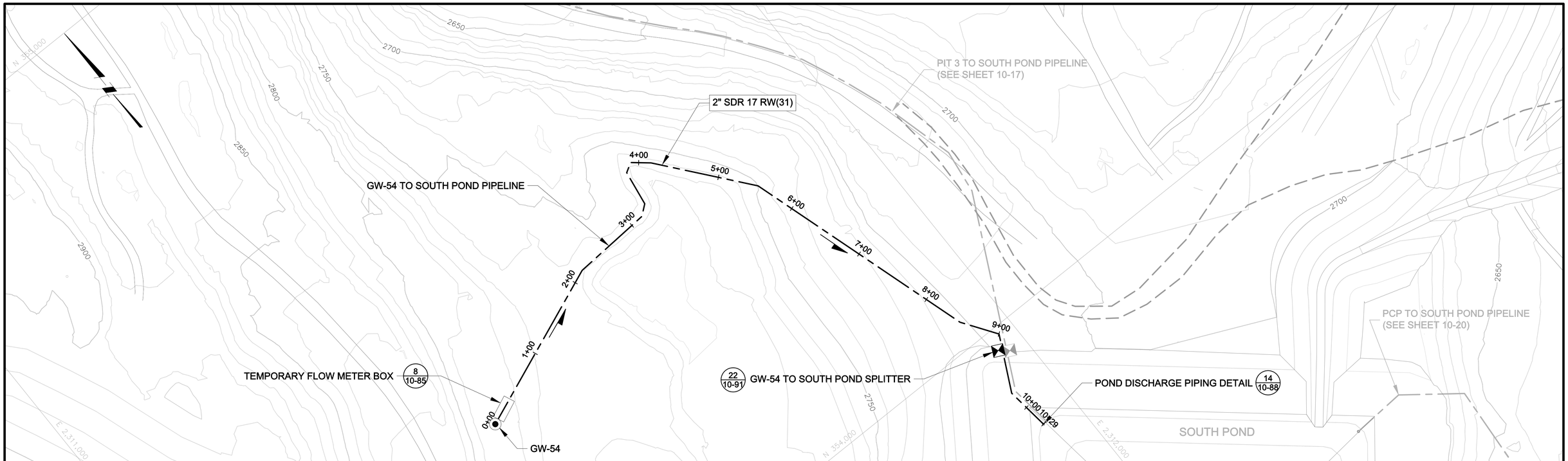
TITLE: SHEET INDEX - END OF PHASE 1 - GW-54 TO SOUTH POND PIPELINE

MWH

SHEET: 10-15 | REVISION: 3

FILE NAME: 10-15 | DATE: JUNE 2015

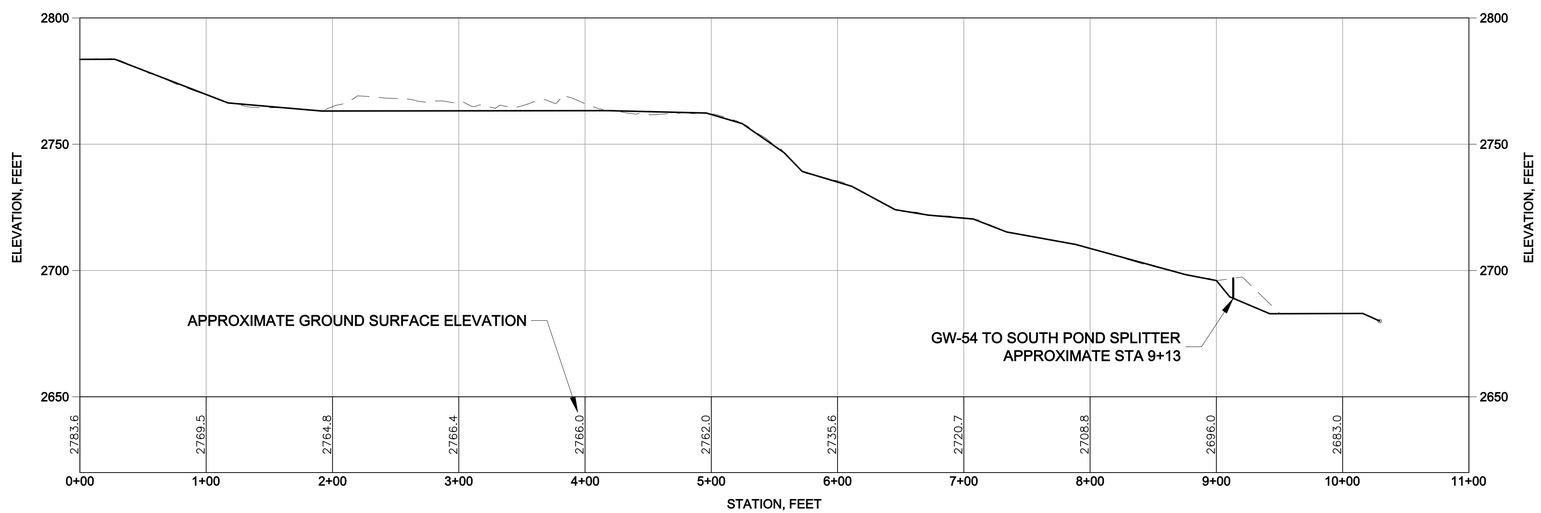
pw:\\omengwain03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-15.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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).

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

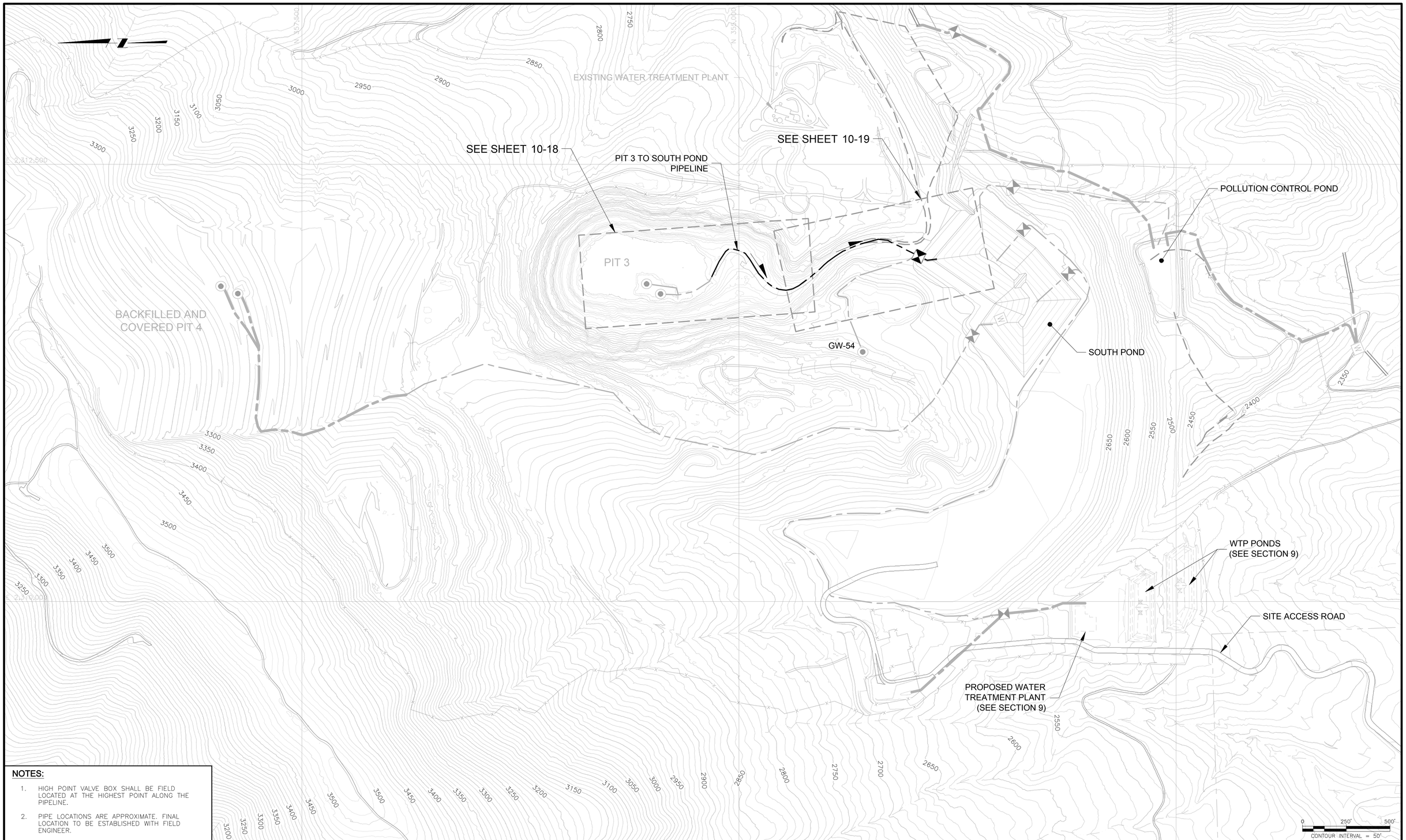
TITLE: END OF PHASE 1 - GW-54 TO SOUTH POND PIPELINE- STATION 0+00 TO END

MWH

SHEET: 10-16 | REVISION: 3

FILE NAME: 10-16 | DATE: JUNE 2015

pw:\\omarpwin03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-16.dwg



NOTES:

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

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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- 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

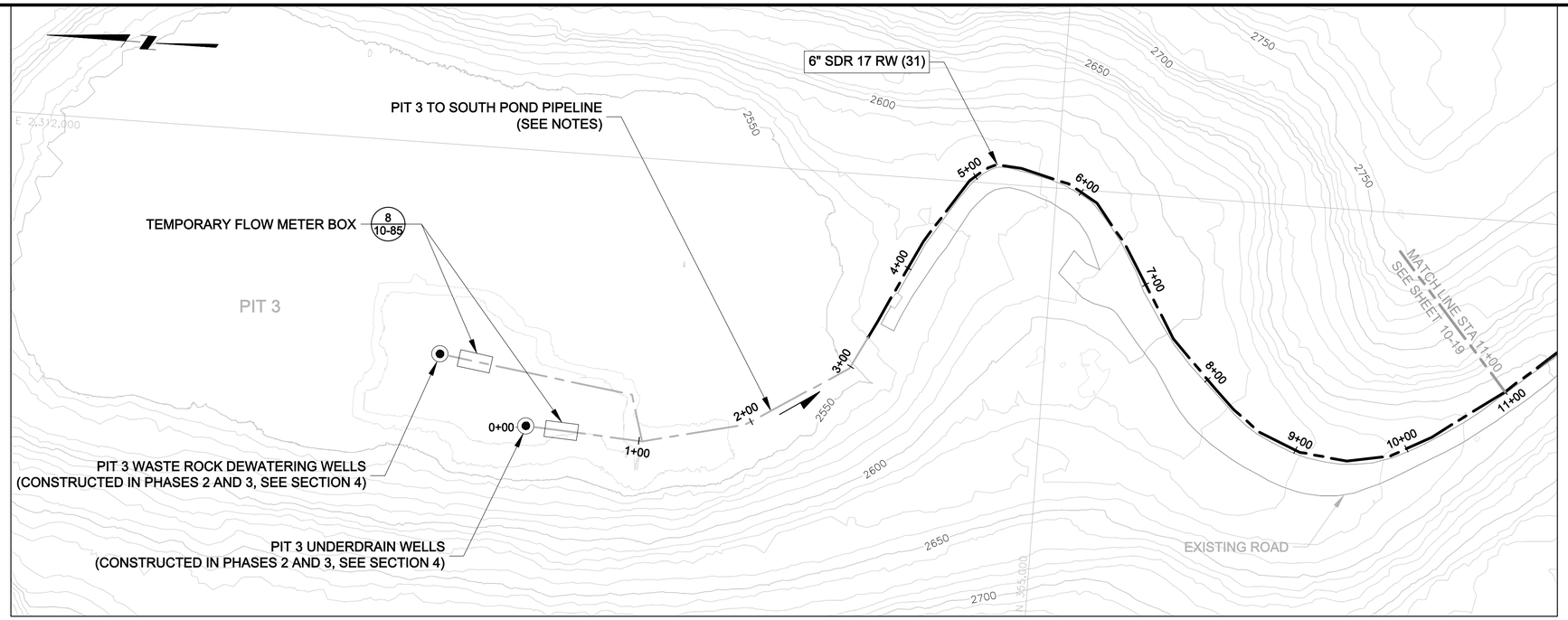
NEWMONT

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

MWH

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

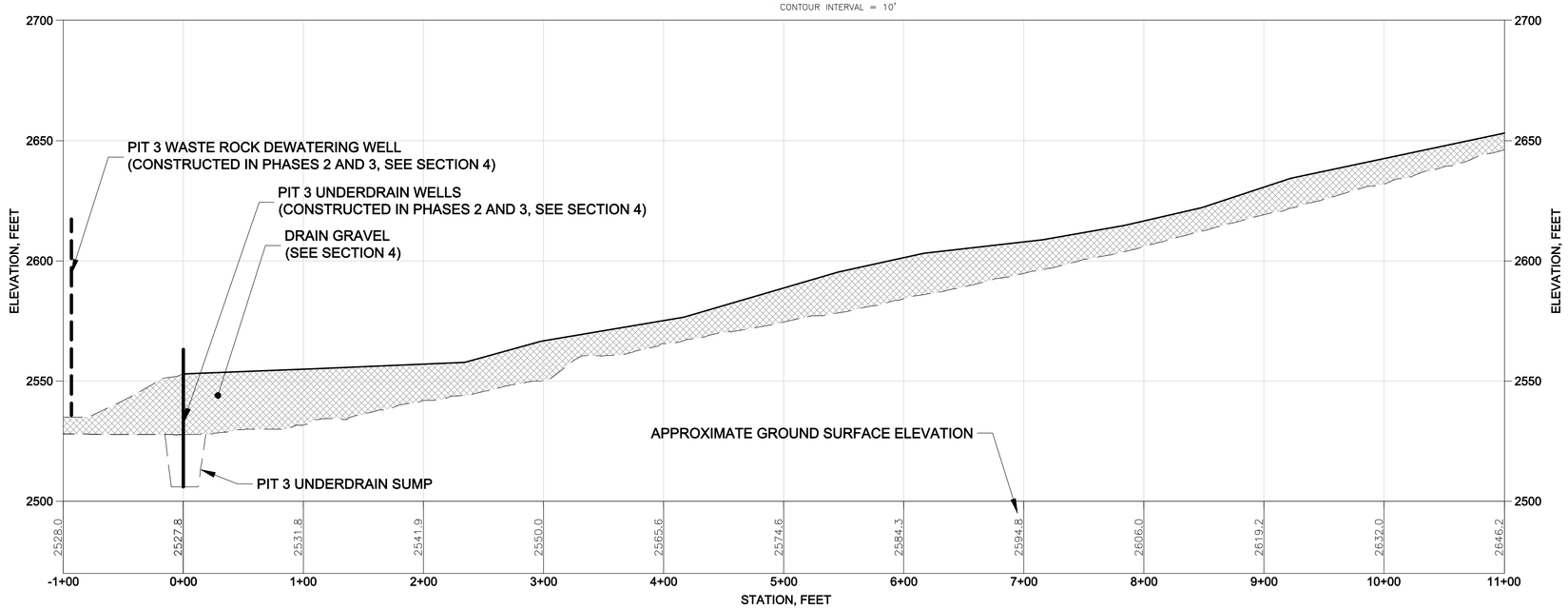
pw:\\amerpwin103.mwhglobal.com:AM_PROJECT303\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOR\10_WTP n PIPES\10-17.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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.

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

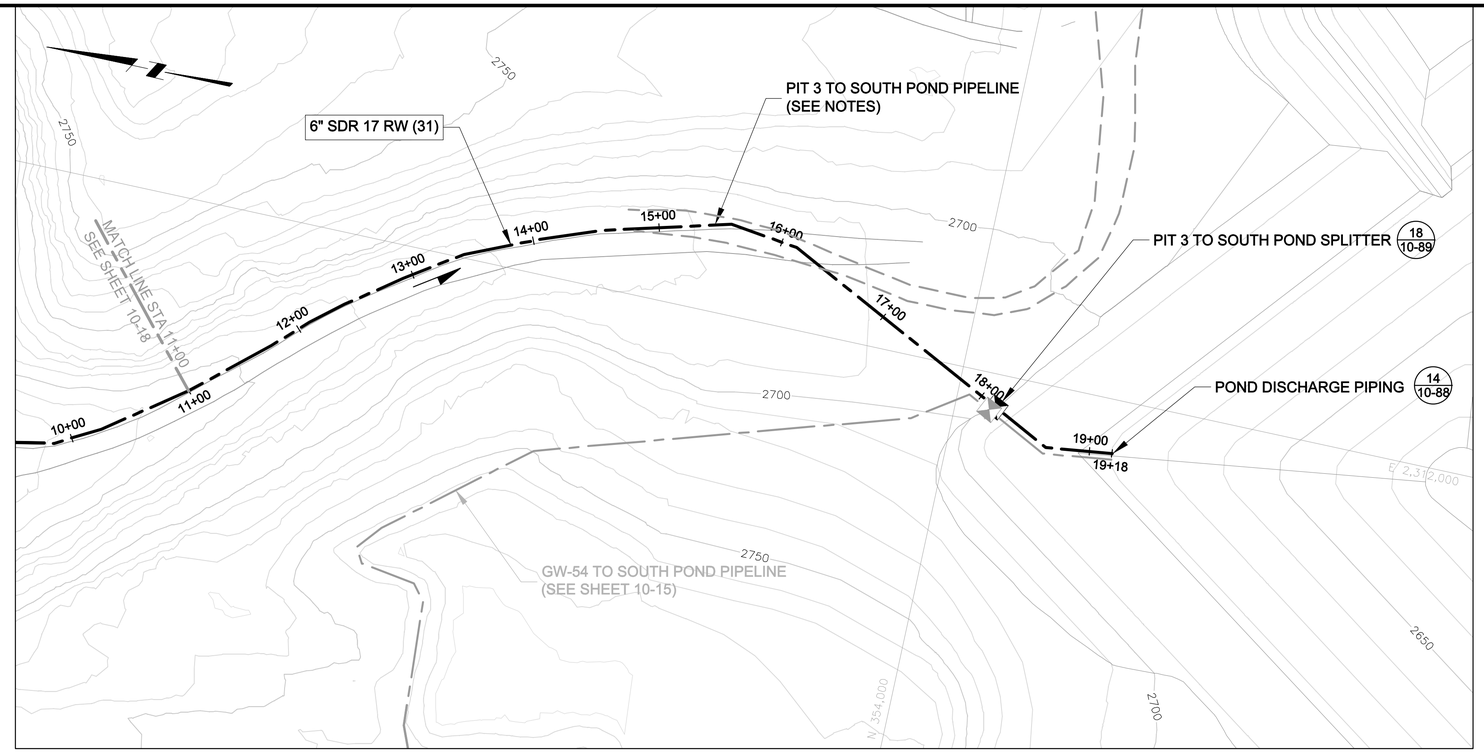
PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - PIT 3 TO SOUTH POND PIPELINE - STATION 0+00 TO 11+00

MWH

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

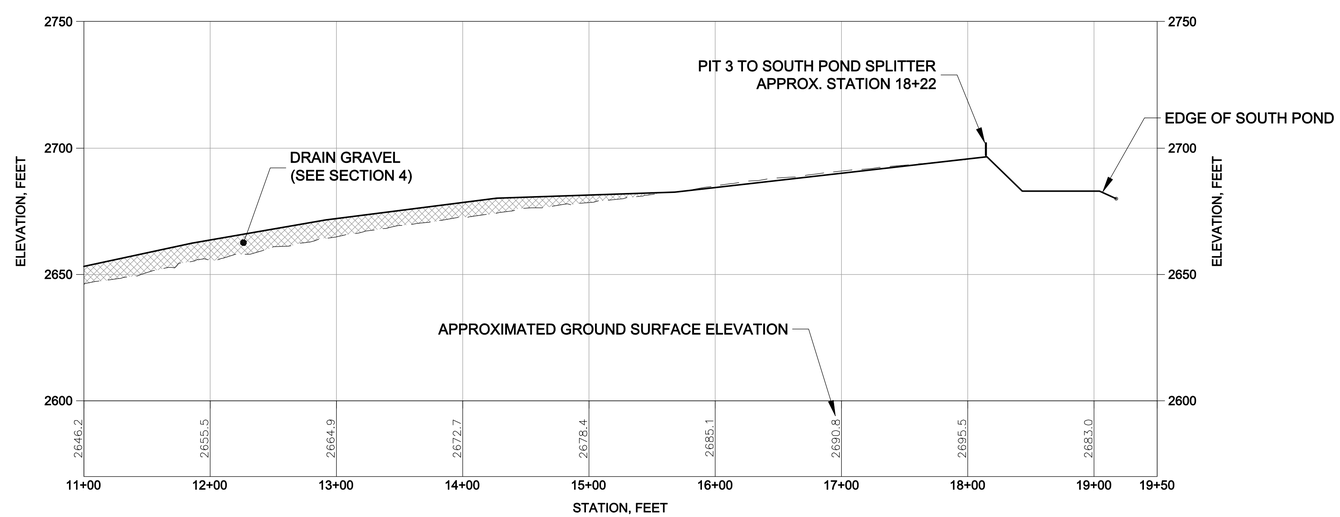
pw:\\amerwinfs03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-18.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 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).

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - PIT 3 TO SOUTH POND PIPELINE - STATION 11+00 TO END

MWH

SHEET: 10-19 | REVISION: 3

FILE NAME: 10-18 | DATE: JUNE 2015

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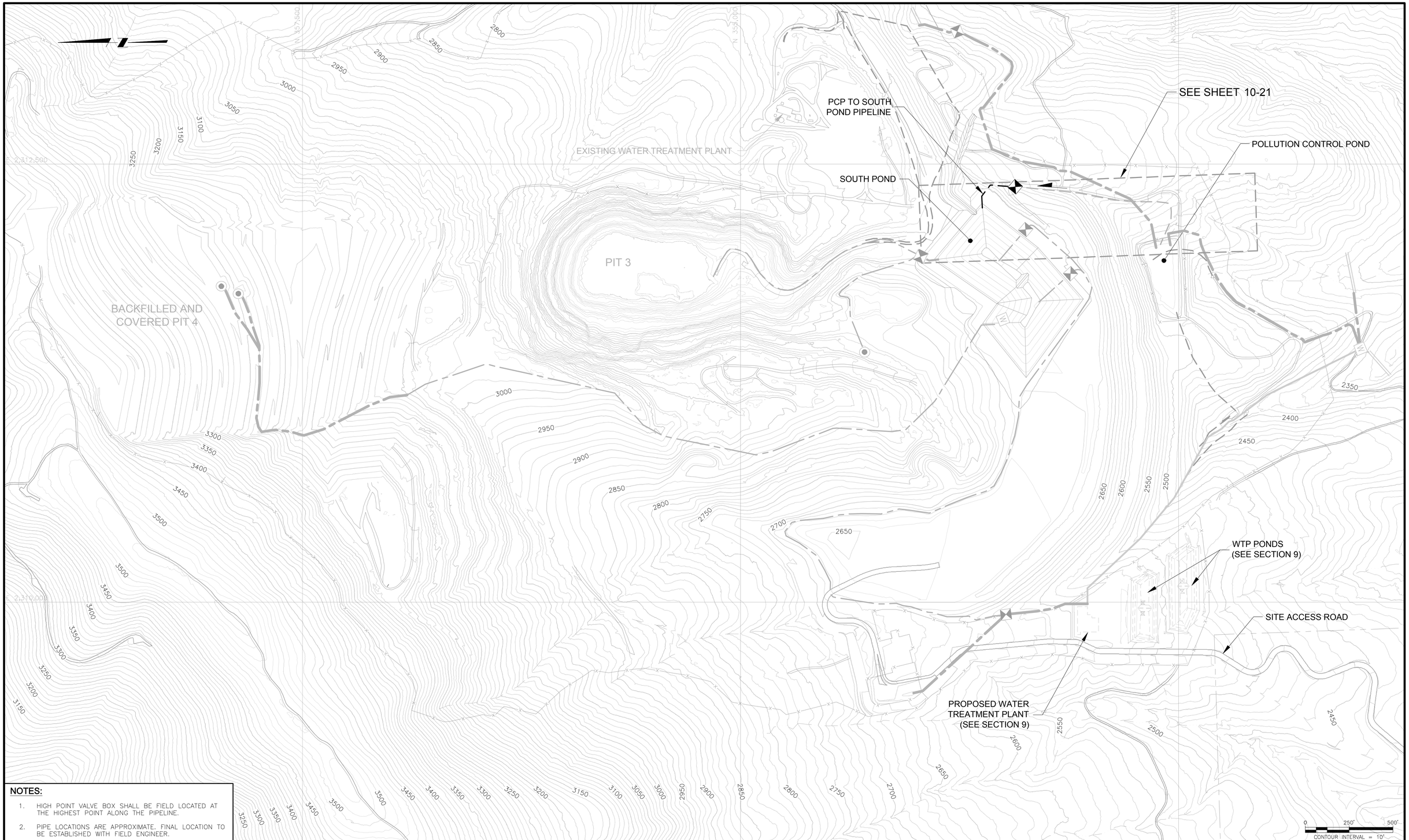

NOTES:

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

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: SHEET INDEX - END OF PHASE 1 - PCP TO SOUTH POND PIPELINE

MWH

SHEET: 10-20 | REVISION: 3

FILE NAME: 10-20 | DATE: JUNE 2015

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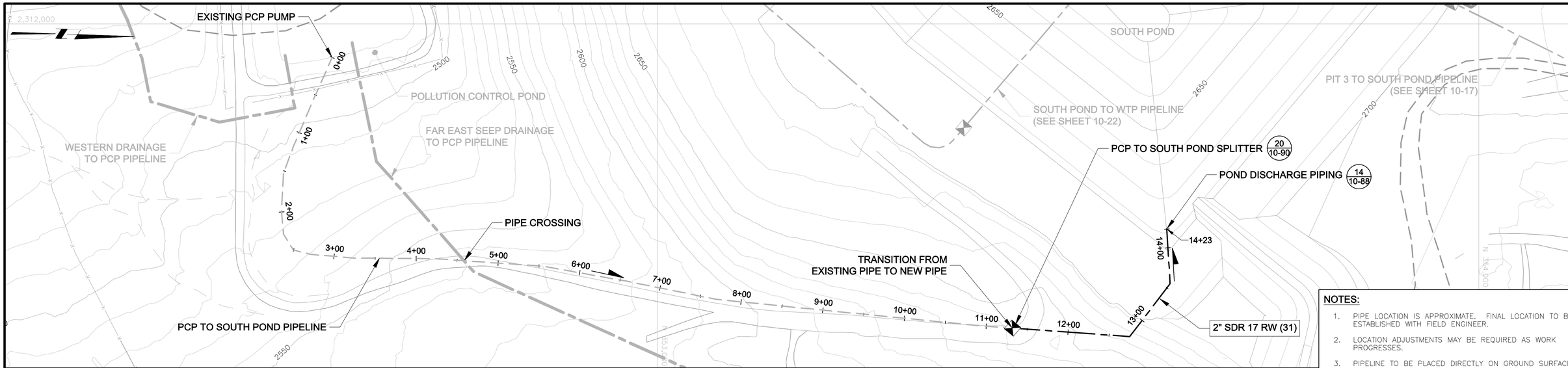


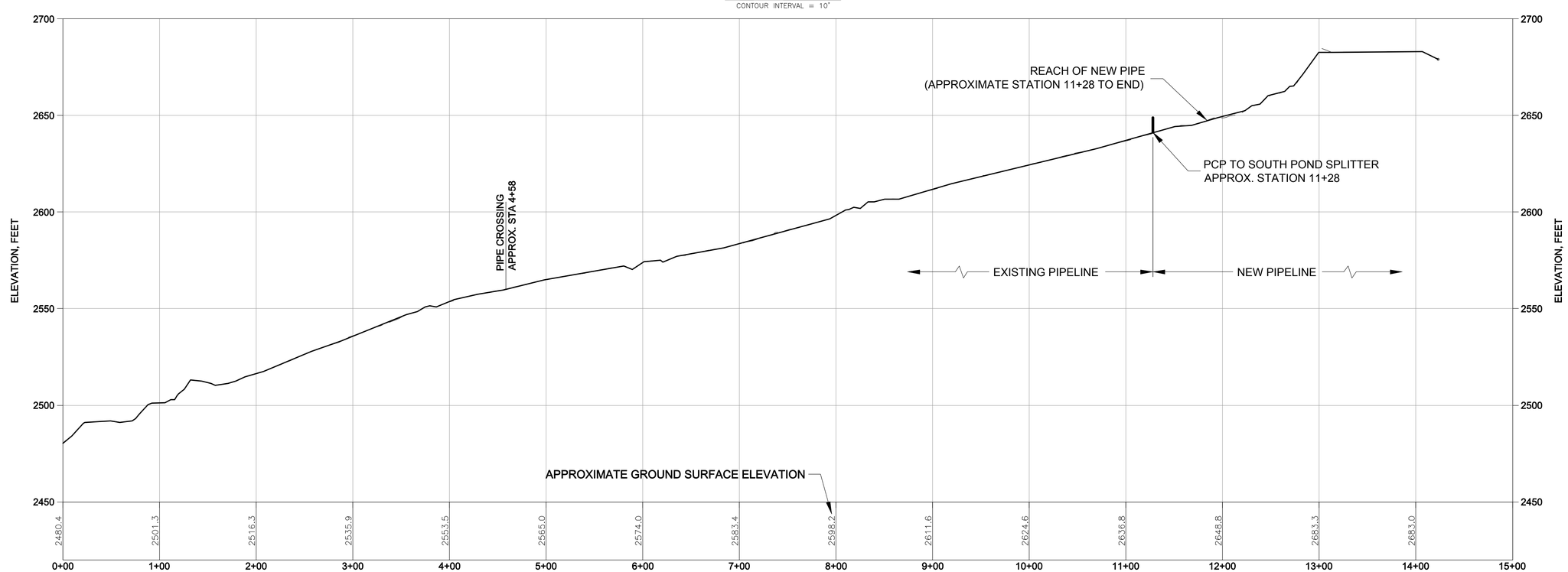
PLAN

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. 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).



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

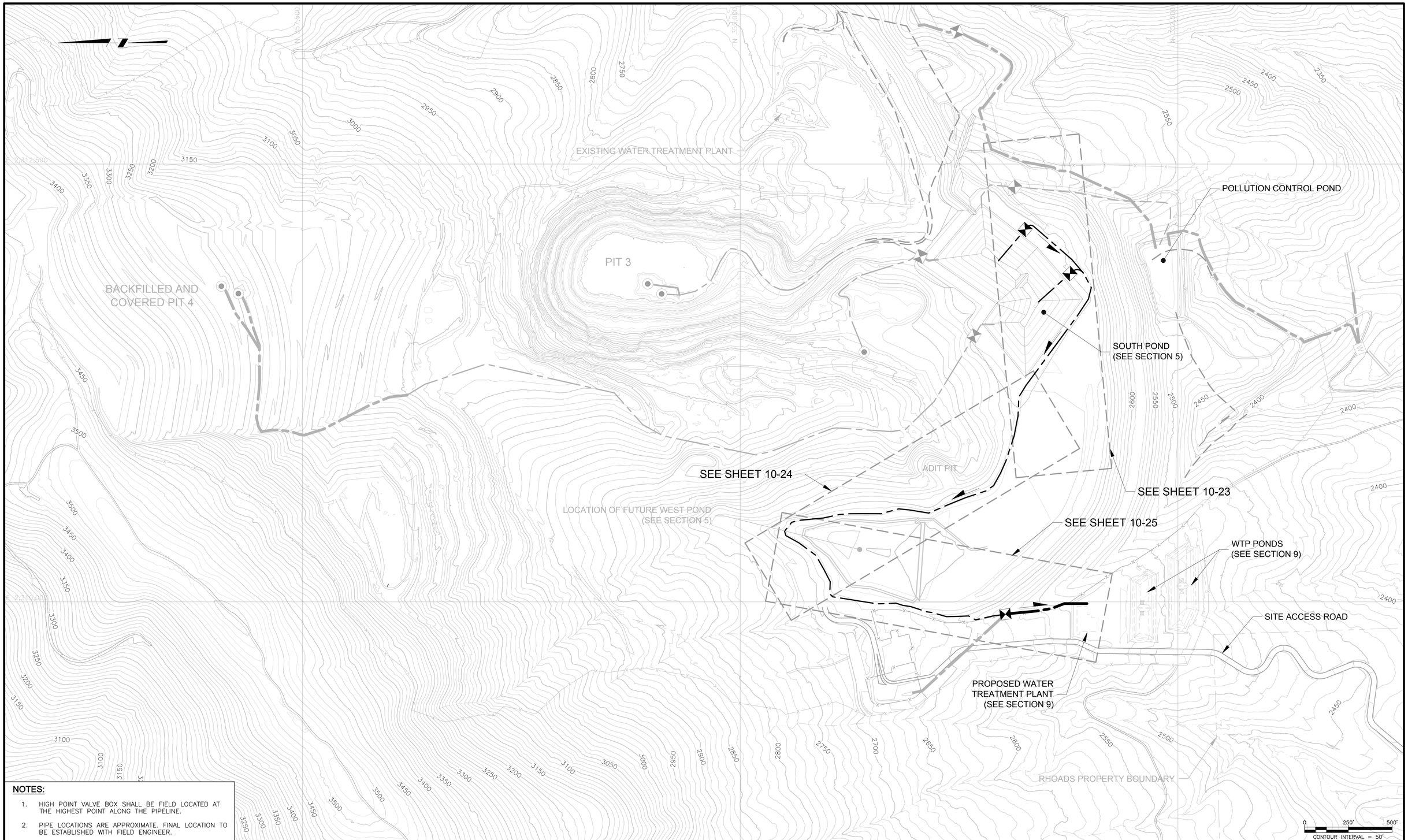
TITLE: END OF PHASE 1 - PCP TO SOUTH POND PIPELINE - STATION 0+00 TO END

MWH

SHEET: 10-21 | REVISION: 3

FILE NAME: 10-21 | DATE: JUNE 2015

pw:\\amerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-21.dwg



NOTES:

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

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

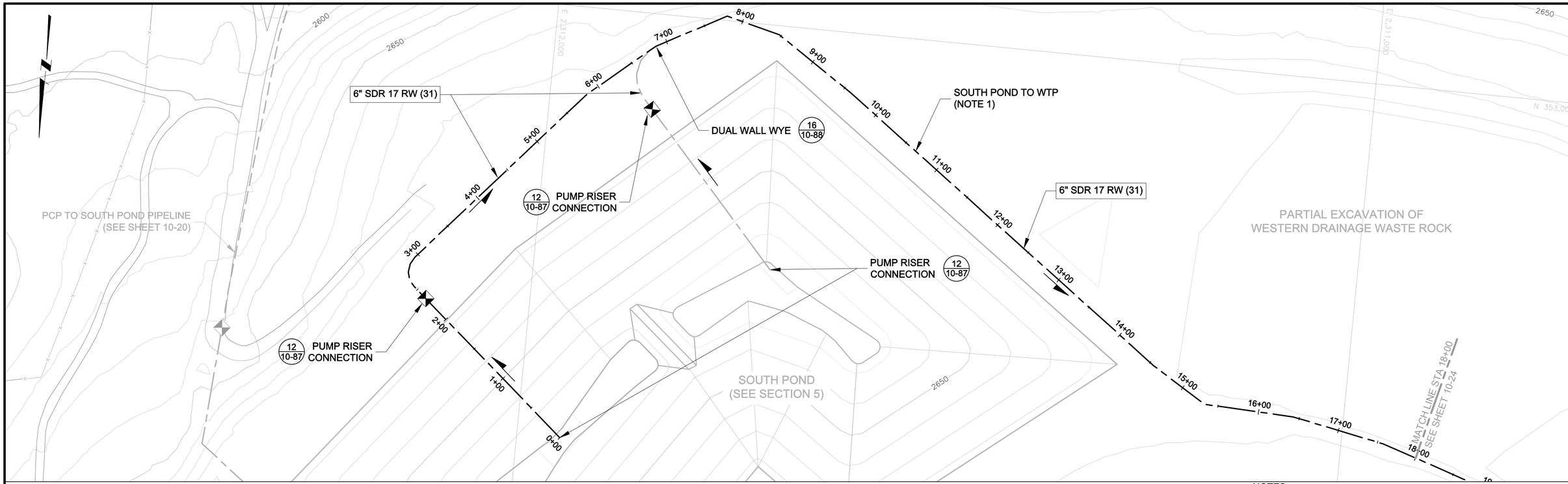
NEWMONT

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

MWH

SHEET: 10-22
REVISION: 3
FILE NAME: 10-22
DATE: JUNE 2015

pw:\\omarpwint03.mwglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-22.dwg



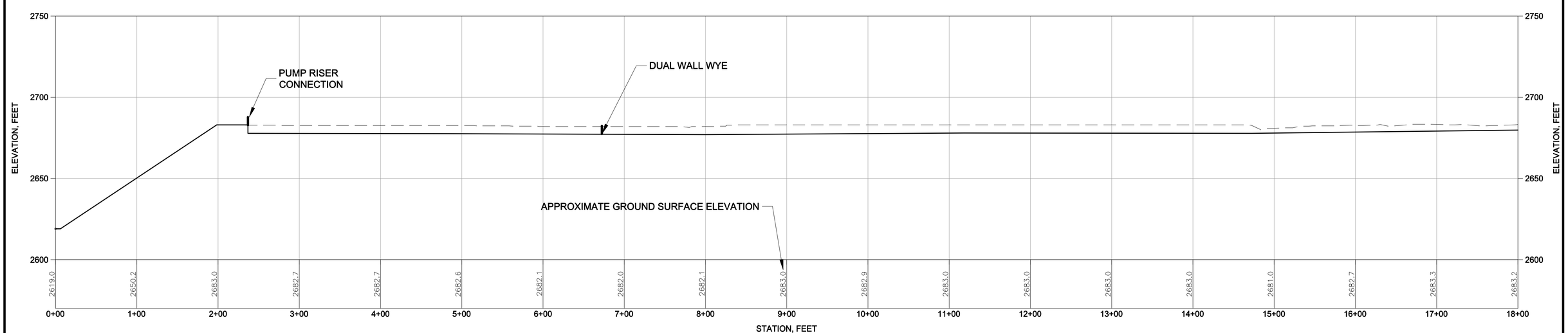
PLAN

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.



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

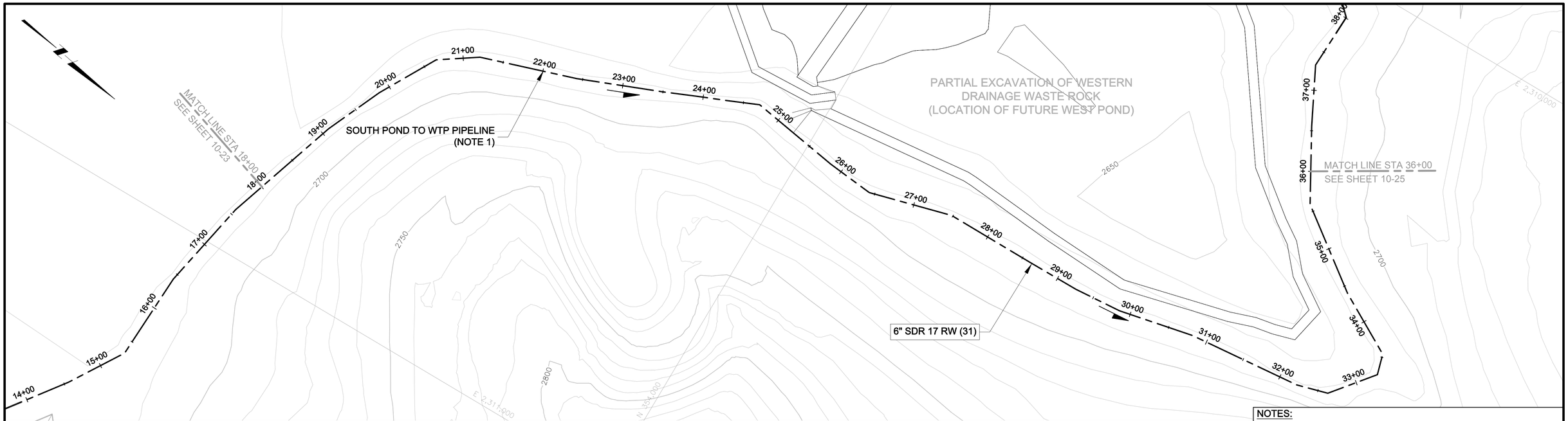
TITLE: END OF PHASE 1 - SOUTH POND TO WTP PIPELINE - STATION 0+00 TO 18+00

MWH

SHEET: 10-23 REVISION: 3

FILE NAME: 10-23 DATE: JUNE 2015

pw:\\omer-pwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-23.dwg



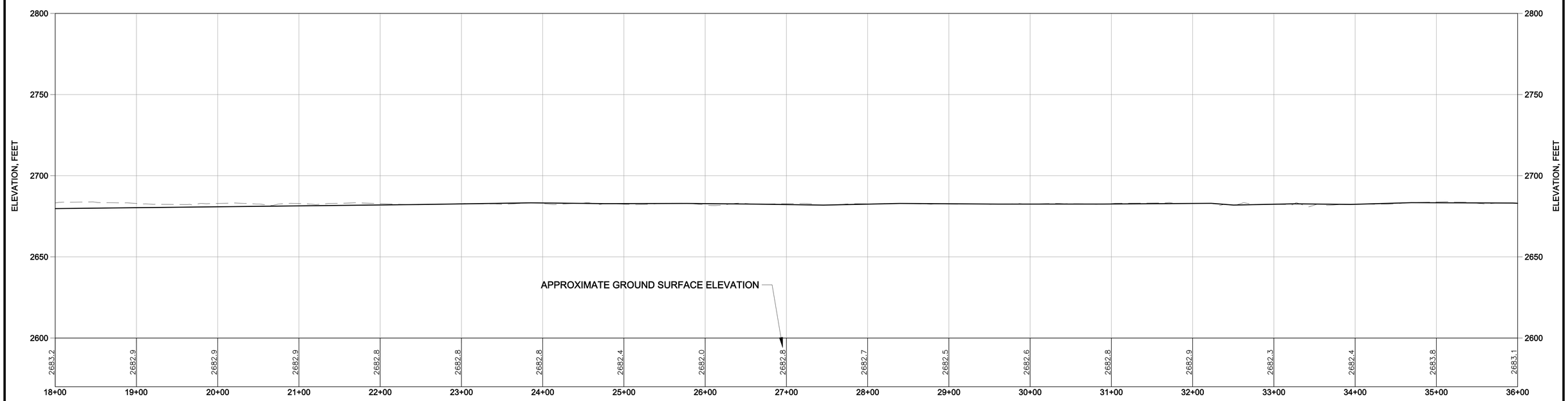
PLAN

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.



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

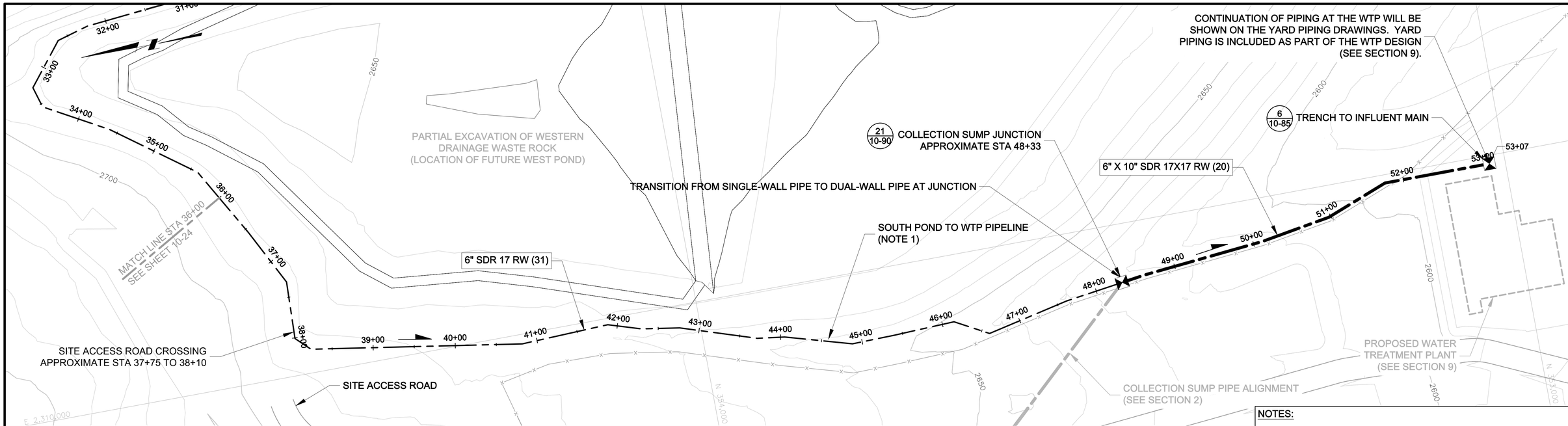
TITLE: END OF PHASE 1 - SOUTH POND TO WTP PIPELINE - STATION 18+00 TO 36+00

MWH

SHEET 10-24 | REVISION 3

FILE NAME 10-23 | DATE JUNE 2015

pw:\\amerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-23.dwg



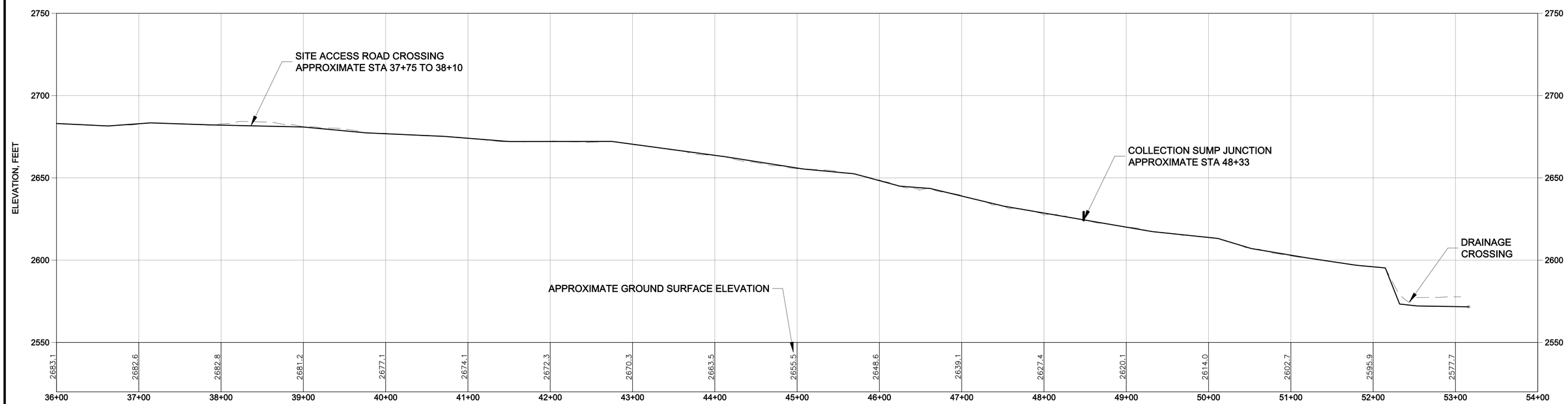
PLAN

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.



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

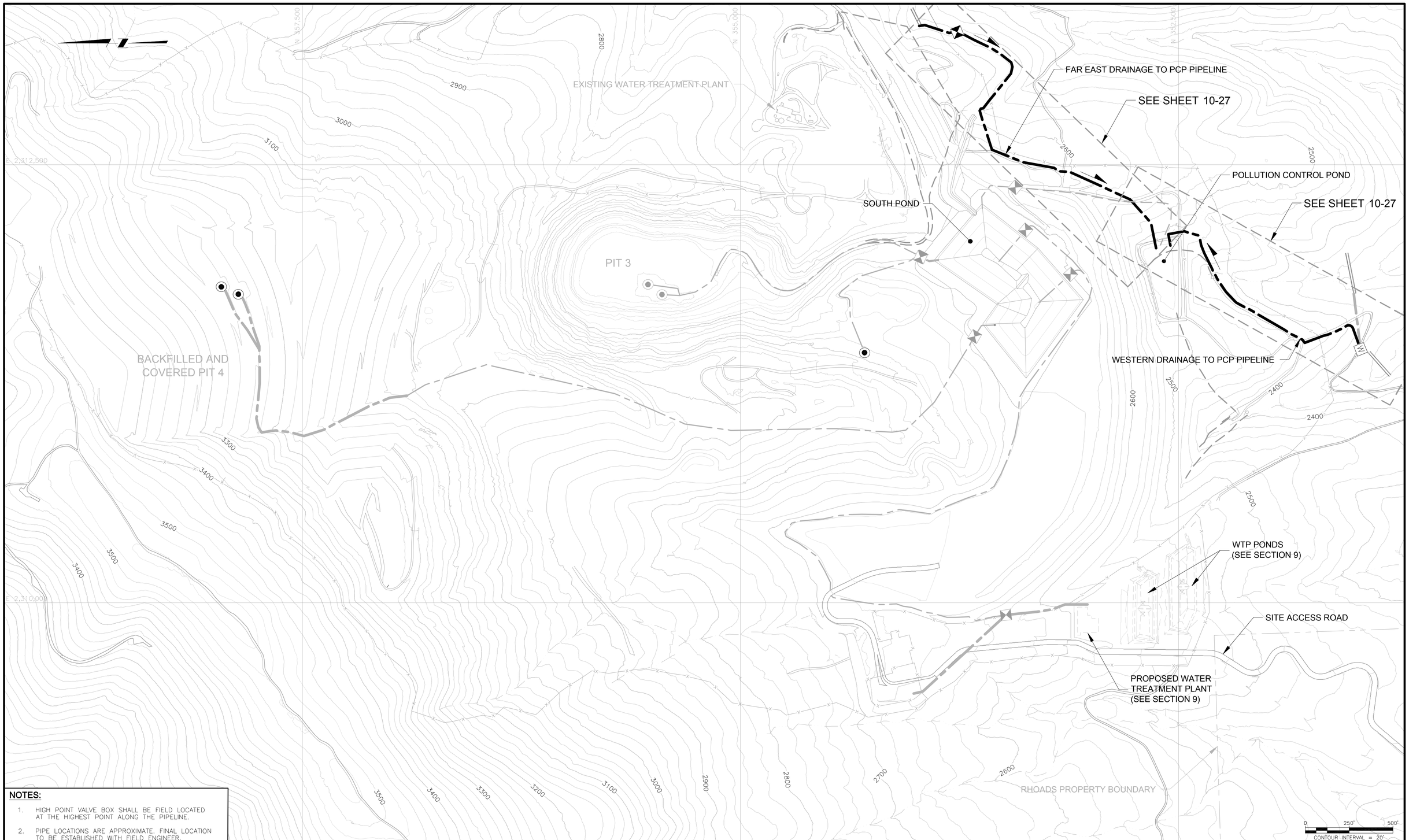
TITLE: END OF PHASE 1 - SOUTH POND TO WTP PIPELINE - STATION 36+00 TO END

MWH

SHEET 10-25 | REVISION 3

FILE NAME 10-23 | DATE JUNE 2015

pw:\\somerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-23.dwg



NOTES:

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

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - ALLUVIAL GROUNDWATER CAPTURE INFLUENT PIPELINES

MWH

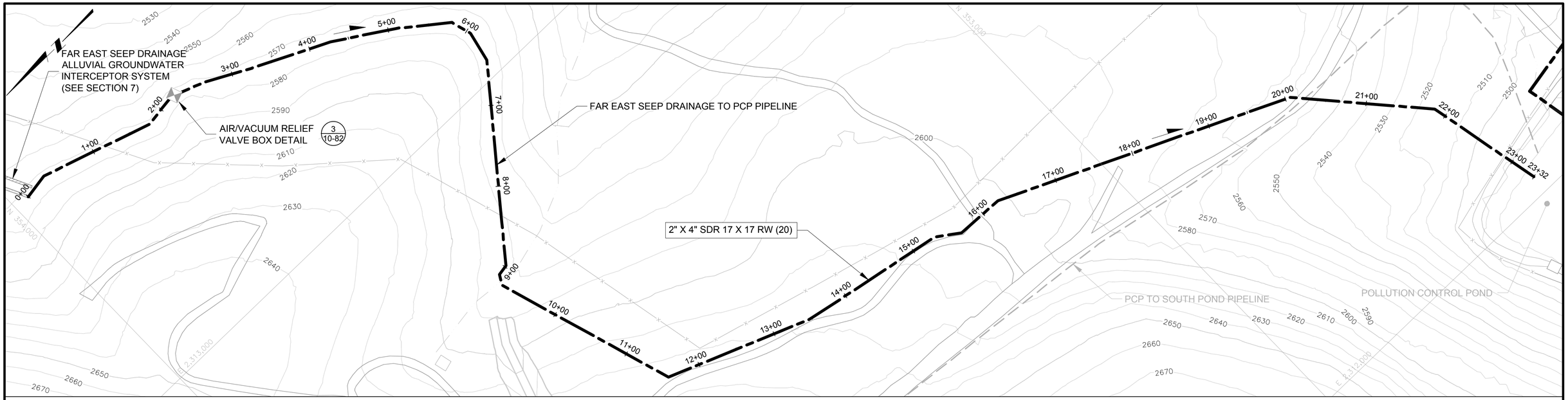
SHEET: 10-26

REVISION: 3

FILE NAME: 10-26_NEW

DATE: JUNE 2015

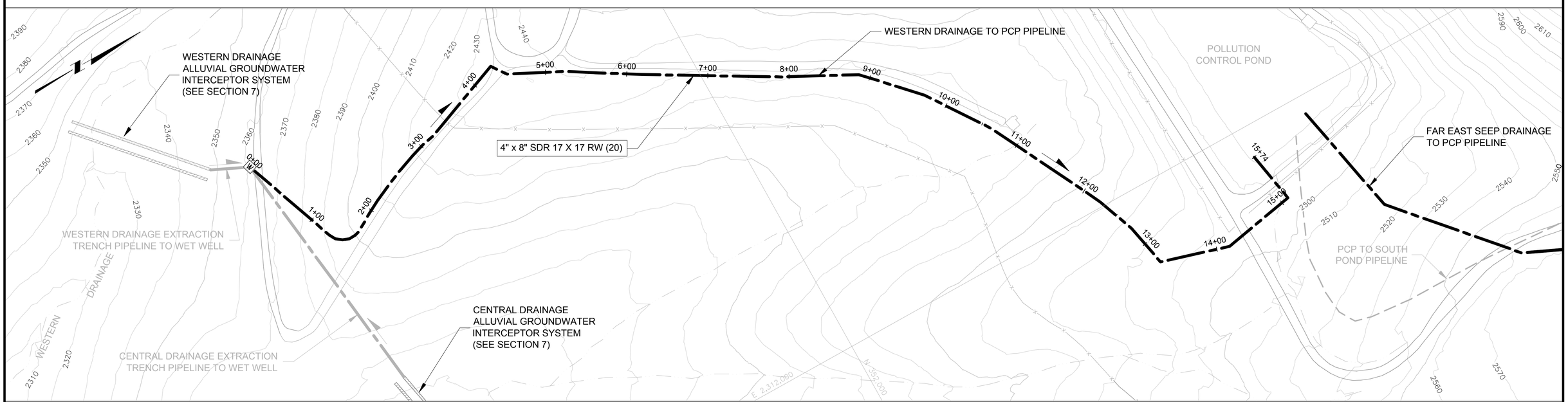
pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-26_NEW.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



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.

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 1 - ALLUVIAL GROUNDWATER INFLUENT PIPELINES - STATION 0+00 TO END

MWH

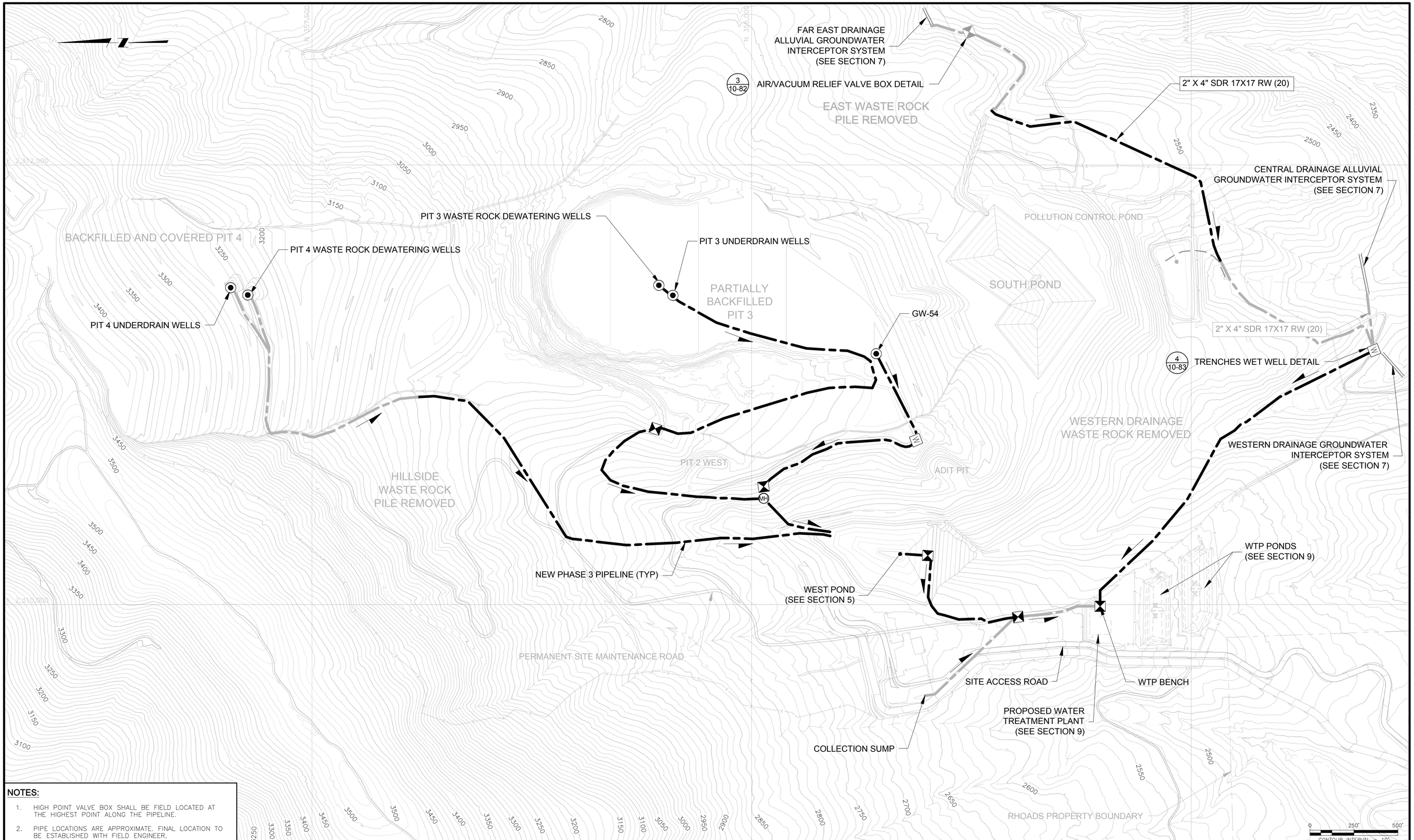
SHEET: 10-27

REVISION: 3

FILE NAME: 10-27_NEW

DATE: JUNE 2015

pw:\\cmerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\03-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-27_NEW.dwg



NOTES:

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

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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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

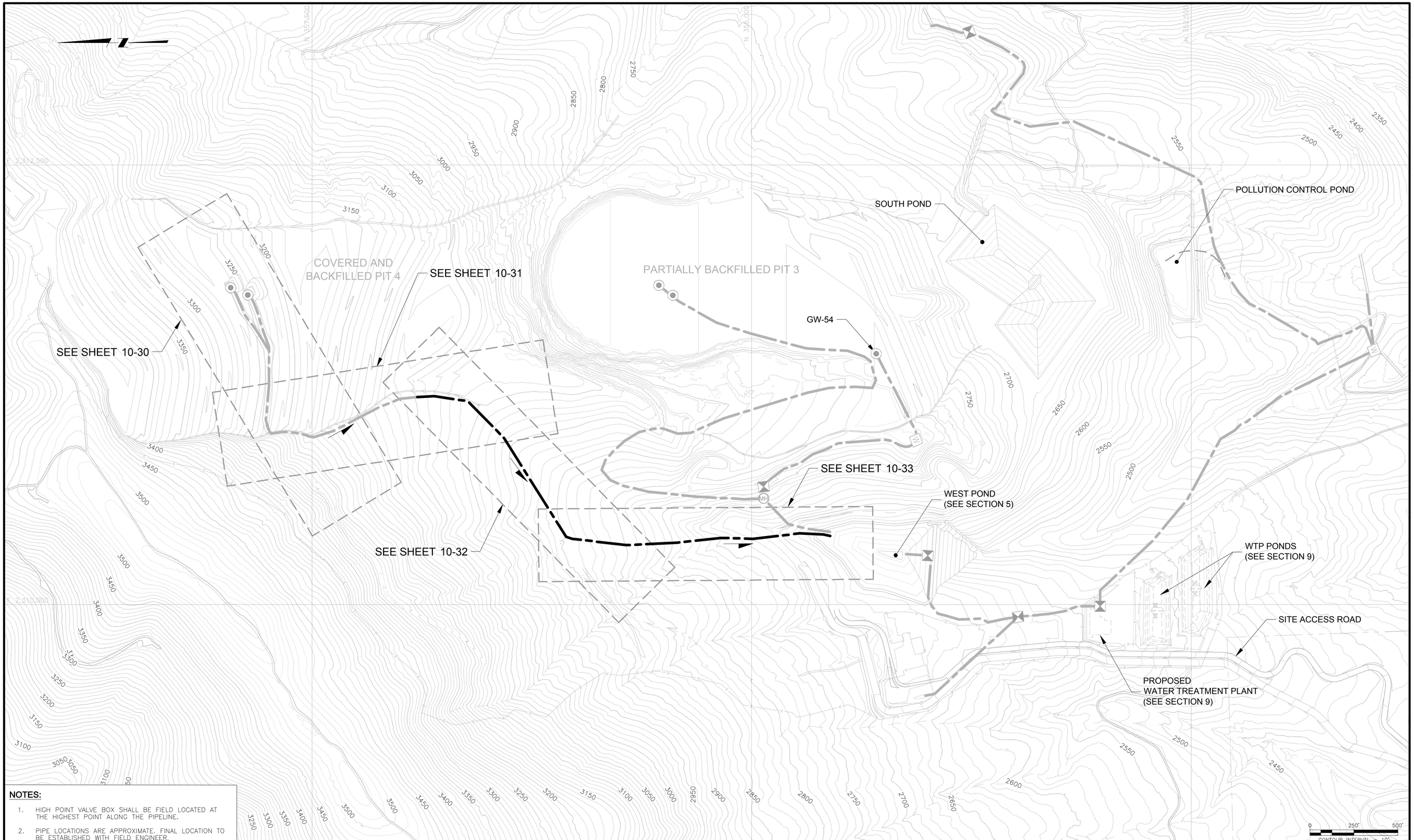
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: OVERALL INFLUENT PIPELINES PLAN - END OF PHASE 2

MWH

SHEET: 10-28
REVISION: 3
FILE NAME: 10-26
DATE: JUNE 2015

pw:\\amerwaint03.mwhglobal.com:AM_PROJECTS03\Documents\VTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-26.dwg



NOTES:

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

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

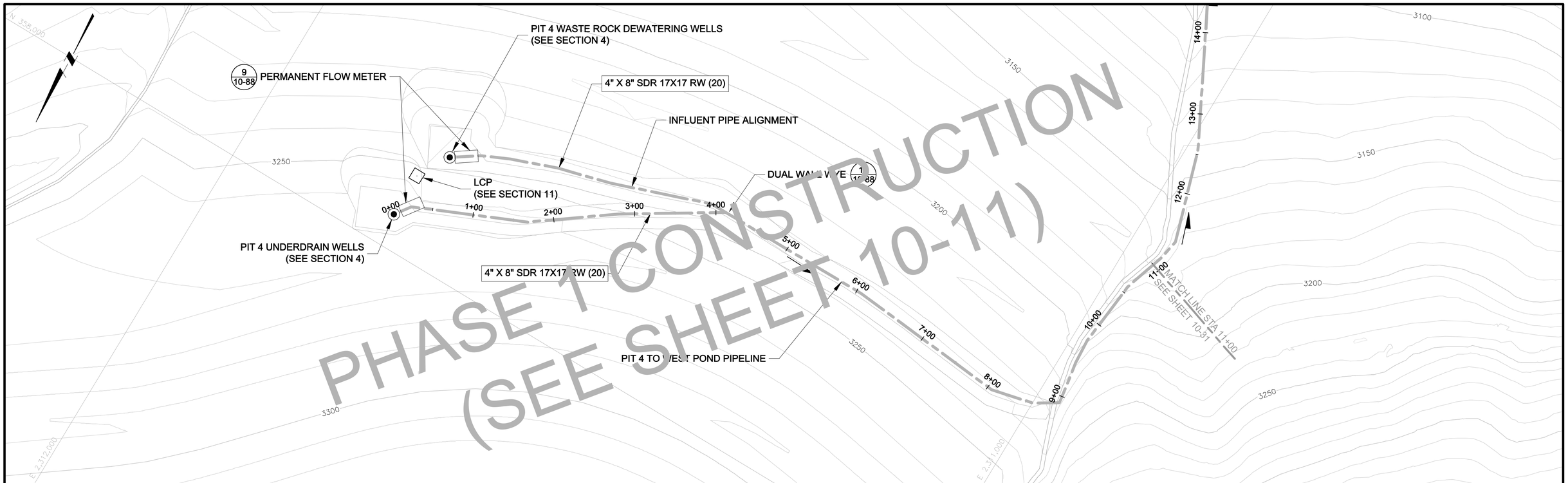
TITLE: SHEET INDEX - END OF PHASE 2 - PIT 4 TO WEST POND PIPELINE

MWH

SHEET: 10-29 | REVISION: 3

FILE NAME: 10-27 | DATE: JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-27.dwg



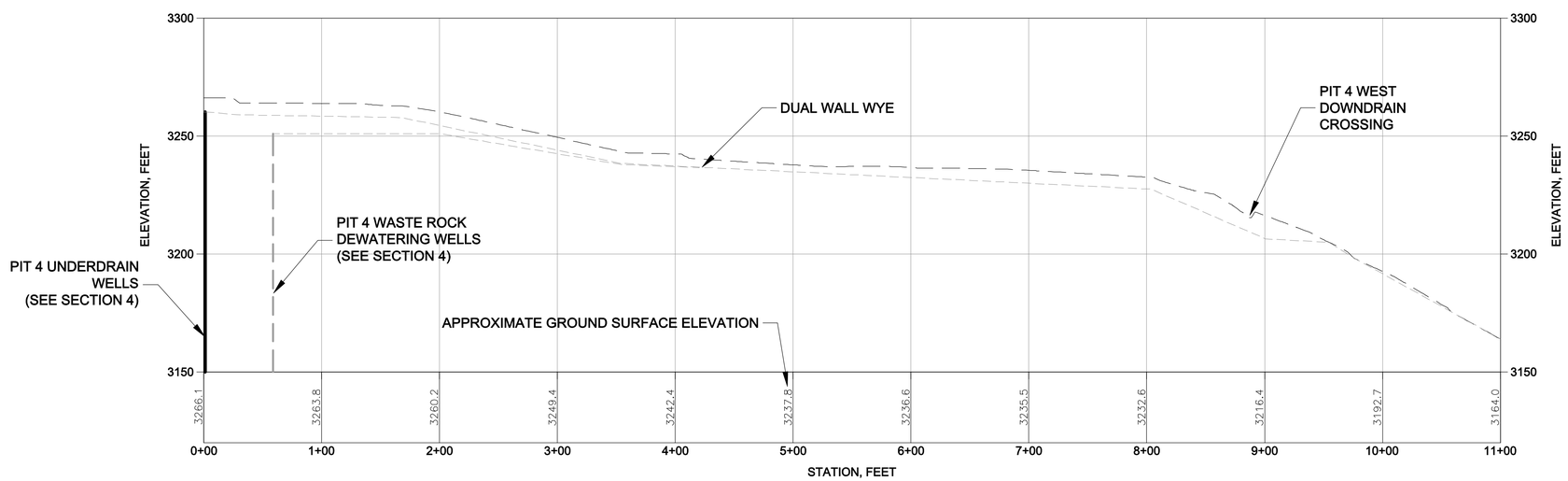
PLAN

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.



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

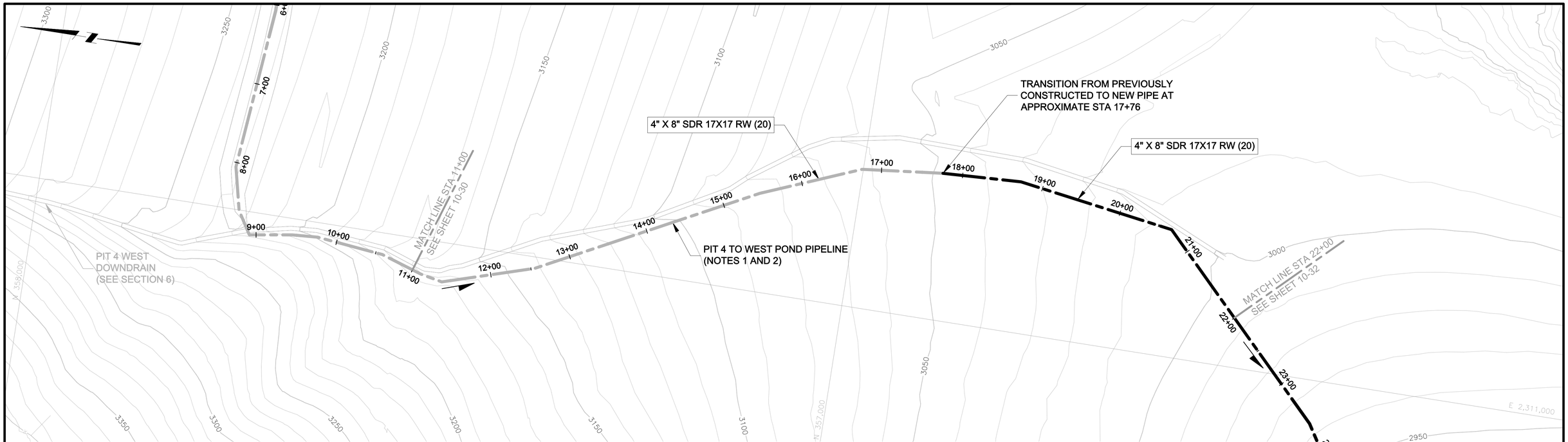
TITLE: END OF PHASE 2 - PIT 4 TO WEST POND PIPELINE - STATION 0+00 TO 11+00

MWH

SHEET 10-30 | REVISION 3

FILE NAME 10-28 | DATE JUNE 2015

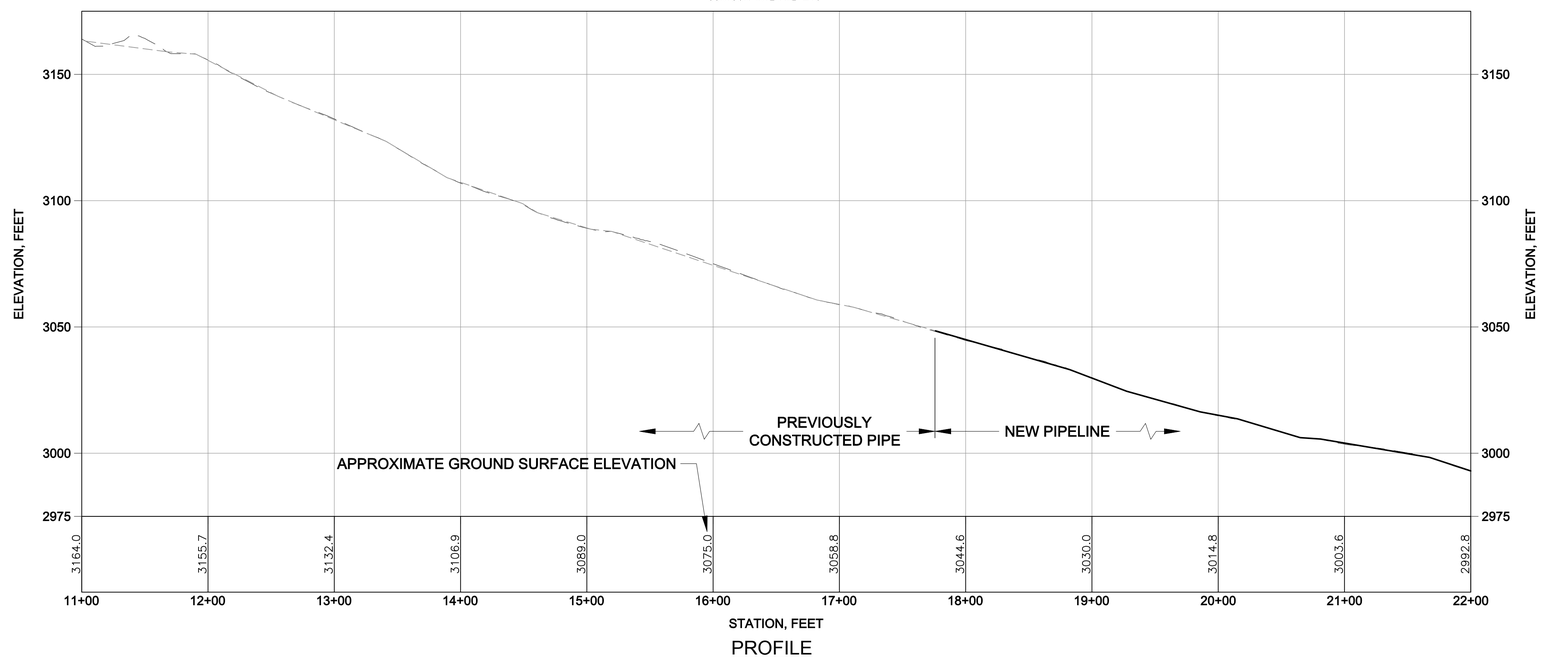
pw:\\emerywint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\03-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-28.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 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.

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - PIT 4 TO WEST POND PIPELINE - STATION 11+00 TO 22+00

MWH

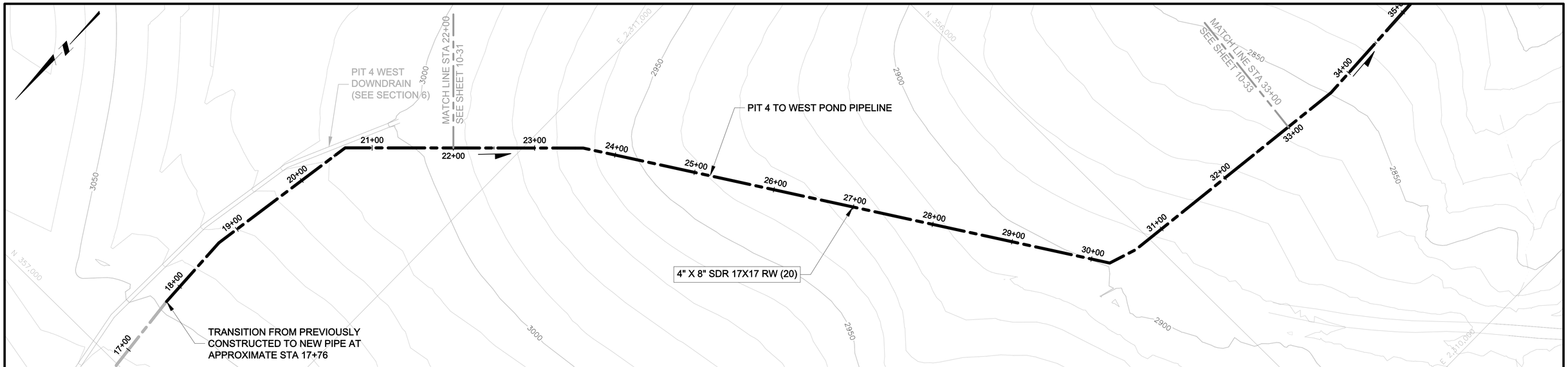
SHEET: 10-31

REVISION: 3

FILE NAME: 10-28

DATE: JUNE 2015

pw:\\amerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-28.dwg



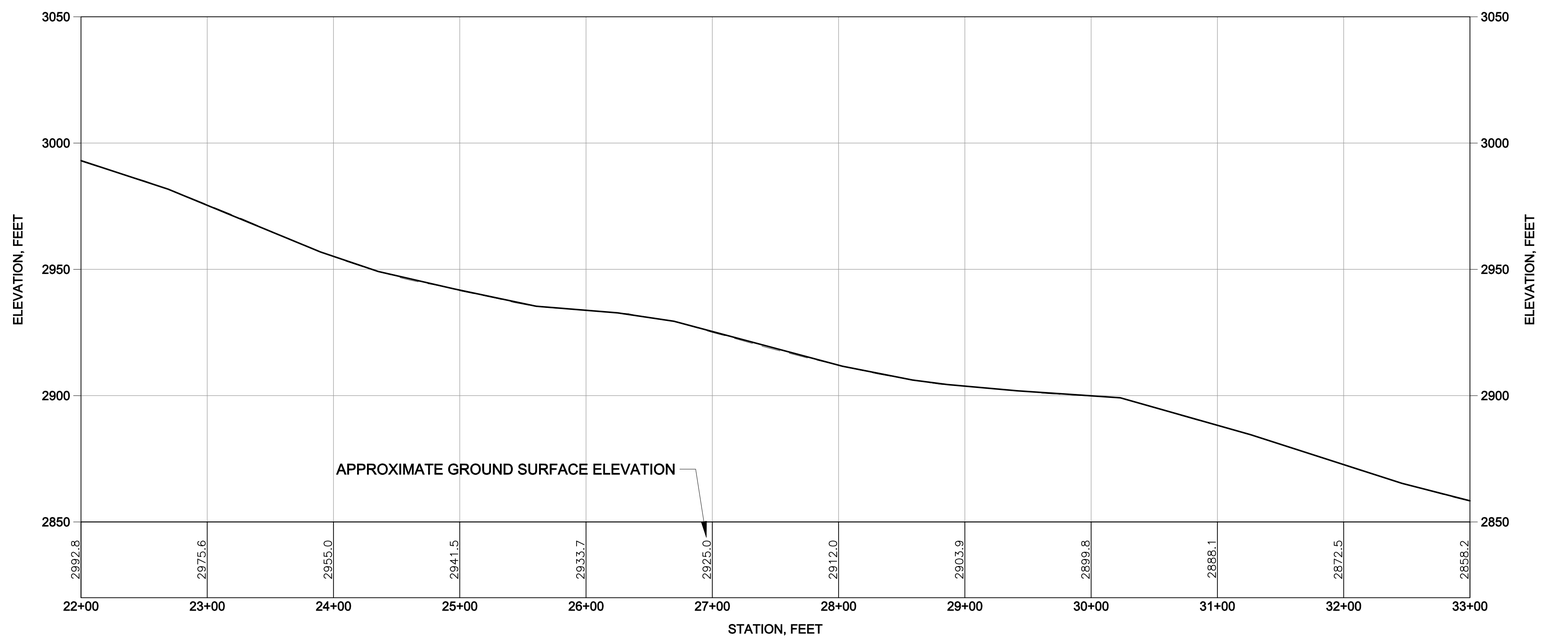
PLAN

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.



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

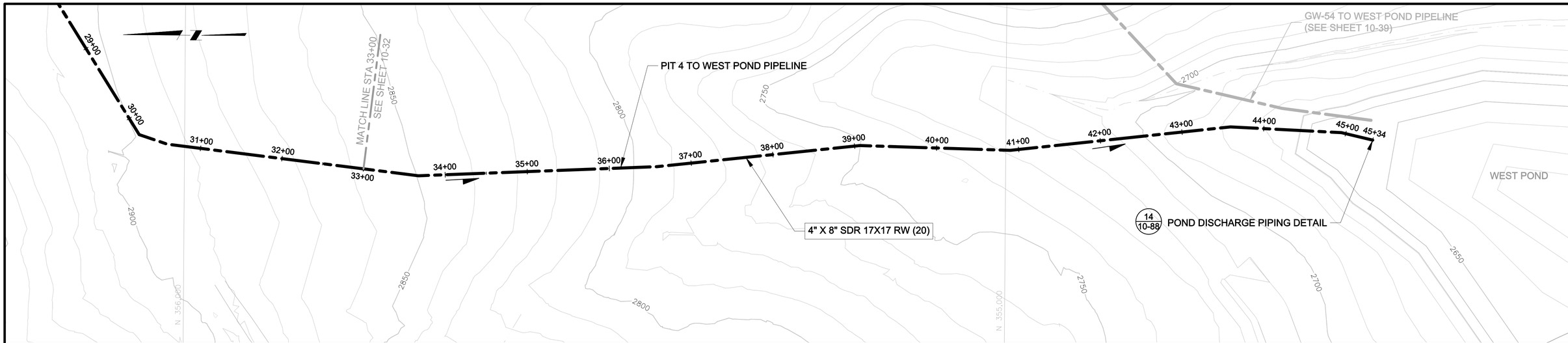
TITLE: END OF PHASE 2 - PIT 4 TO WEST POND PIPELINE - STATION 22+00 TO 33+00

MWH

SHEET: 10-32 | REVISION: 3

FILE NAME: 10-28 | DATE: JUNE 2015

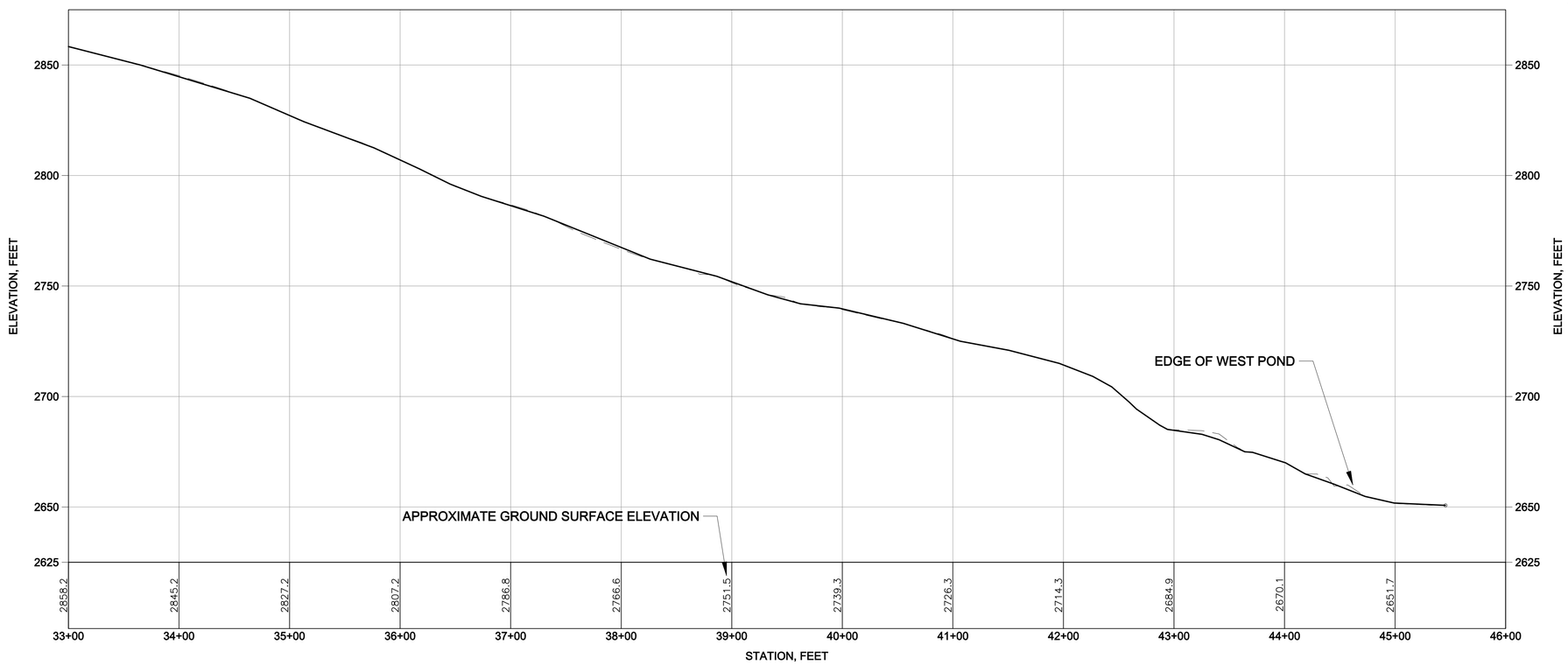
pw:\\omerpwin103.meinglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WP n PIPES\10-28.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 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.

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

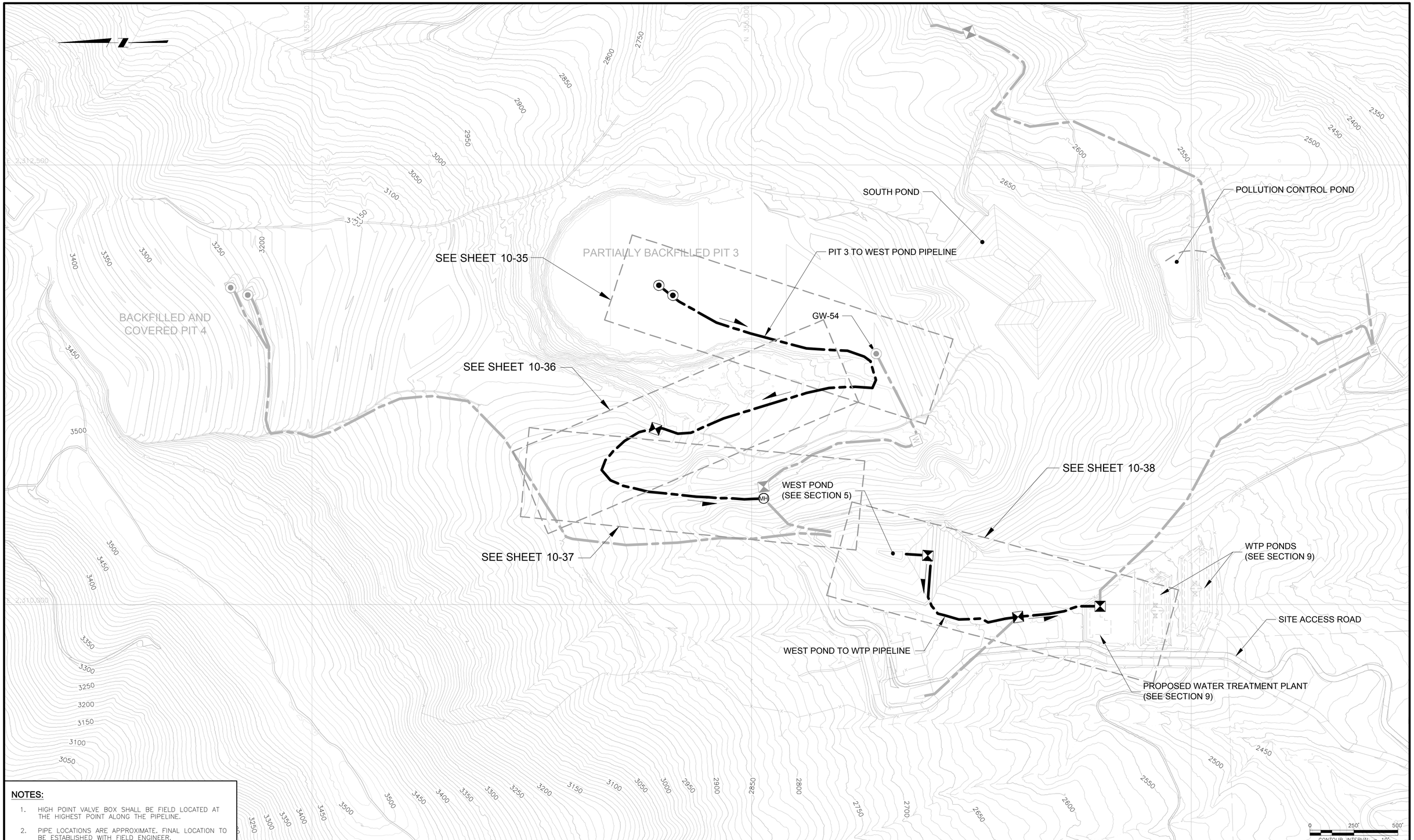
TITLE: END OF PHASE 2 - PIT 4 TO WEST POND PIPELINE - STATION 33+00 TO END

MWH

SHEET 10-33 | REVISION 3

FILE NAME 10-28 | DATE JUNE 2015

pw:\\amerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-28.dwg



NOTES:

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

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

DISCLAIMER:
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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

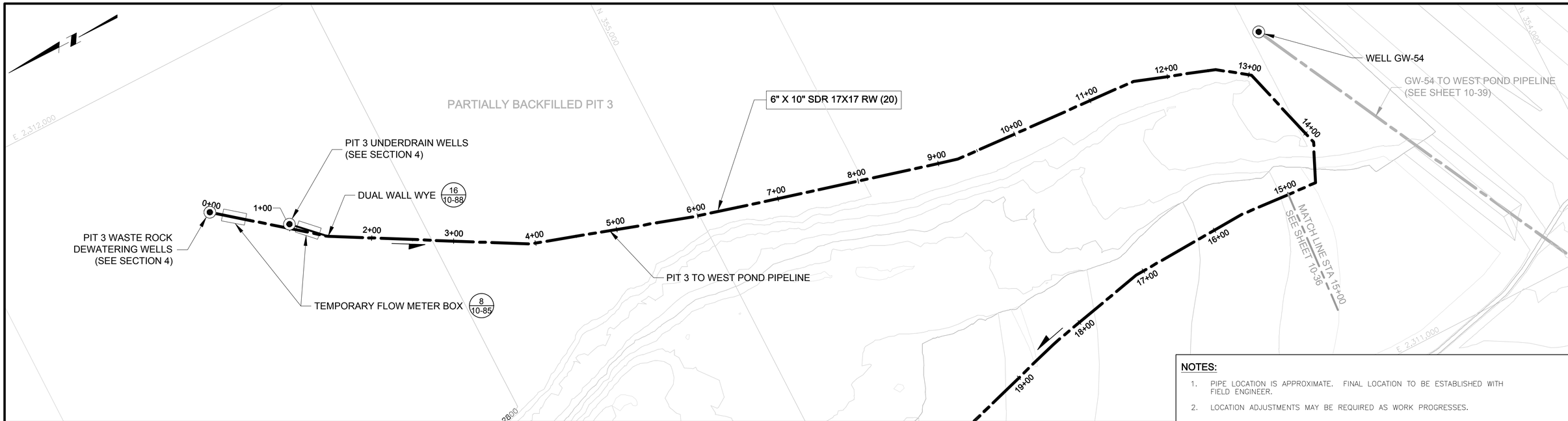
TITLE: SHEET INDEX - END OF PHASE 2 - PIT 3 TO INTERSECTION AND WEST POND TO WTP PIPELINES

MWH

SHEET: 10-34 | REVISION: 3

FILE NAME: 10-32 | DATE: JUNE 2015

pw:\\cmenvgwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-32.dwg



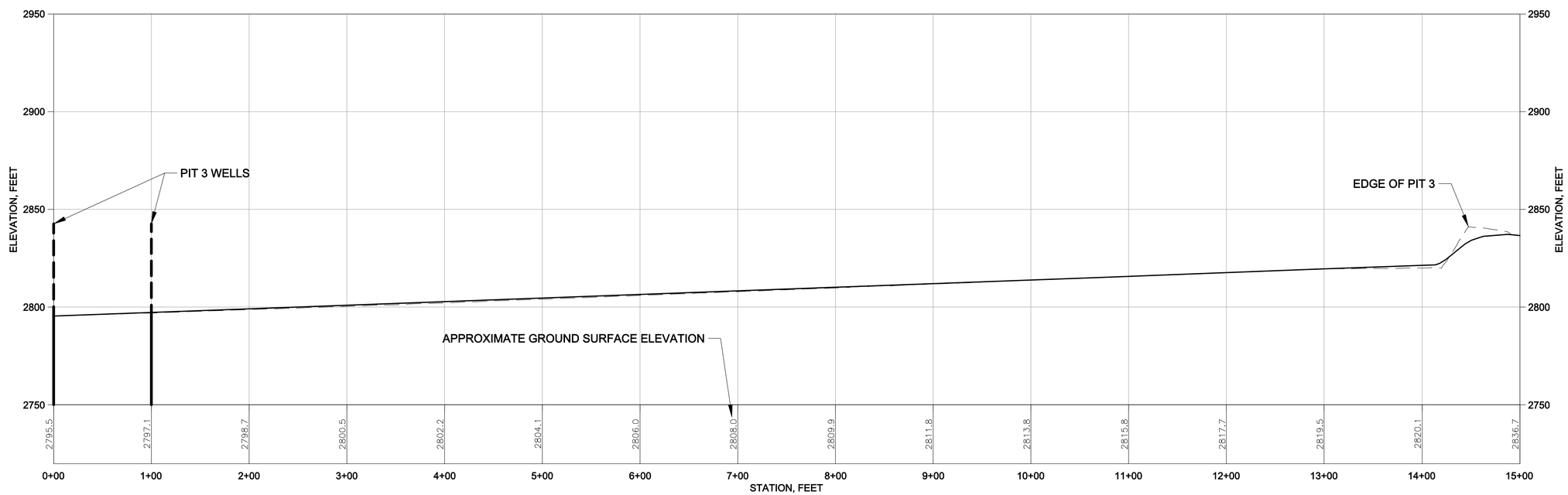
NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - PIT 3 TO INTERSECTION PIPELINE - STATION 0+00 TO 15+00

MWH

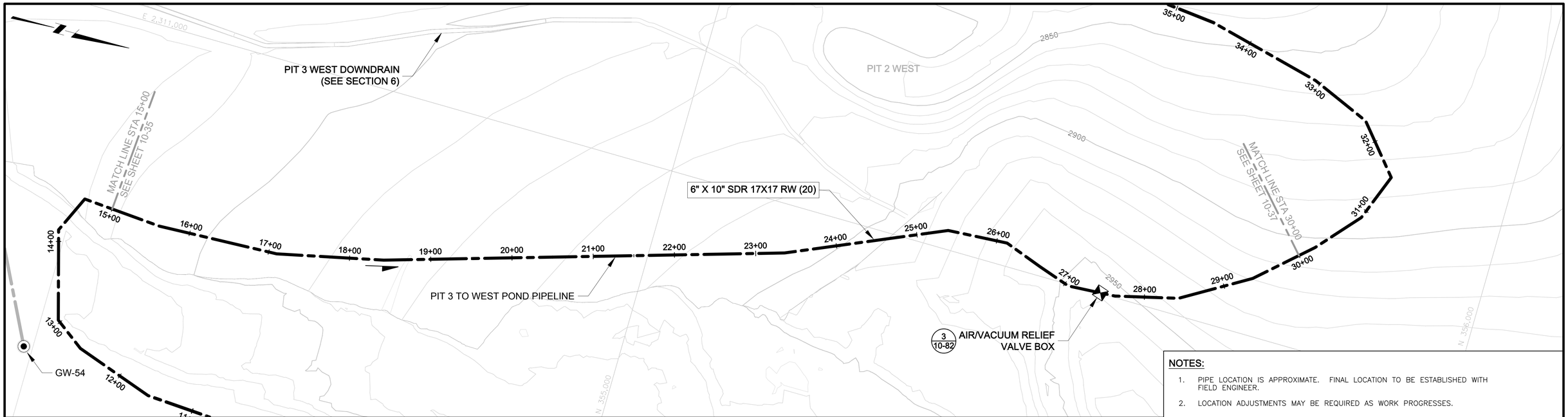
SHEET: 10-35

REVISION: 3

FILE NAME: 10-33

DATE: JUNE 2015

pw:\\ornerywin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-33.dwg



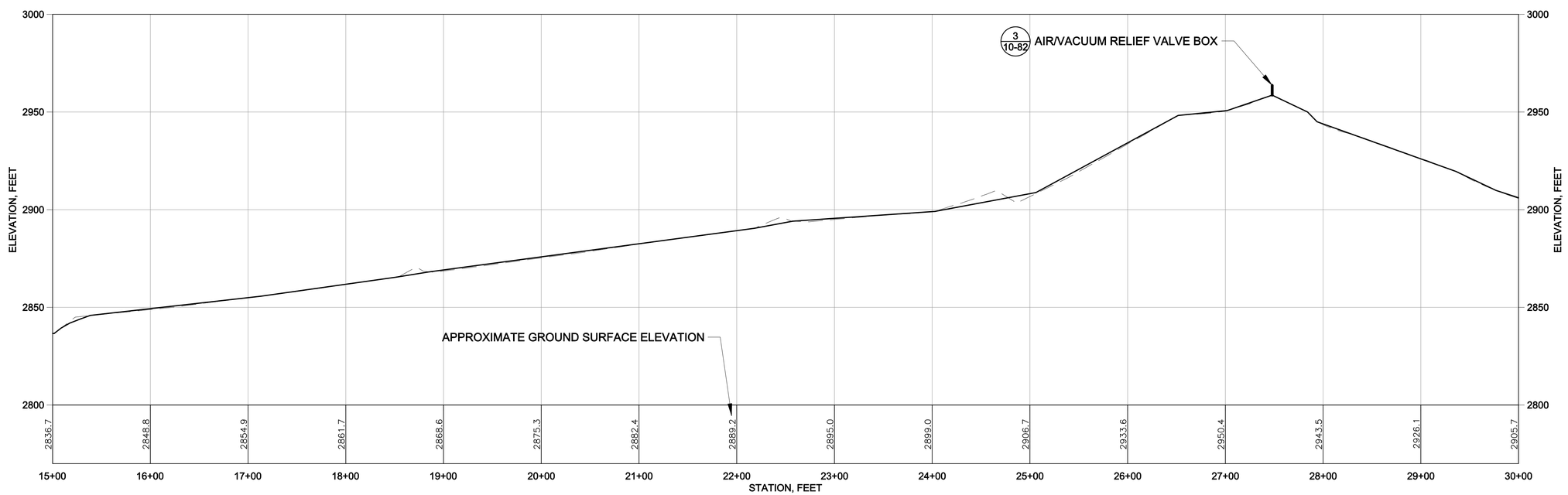
NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

ISSUE REV	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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - PIT 3 TO INTERSECTION PIPELINE - STATION 15+00 TO 30+00

MWH

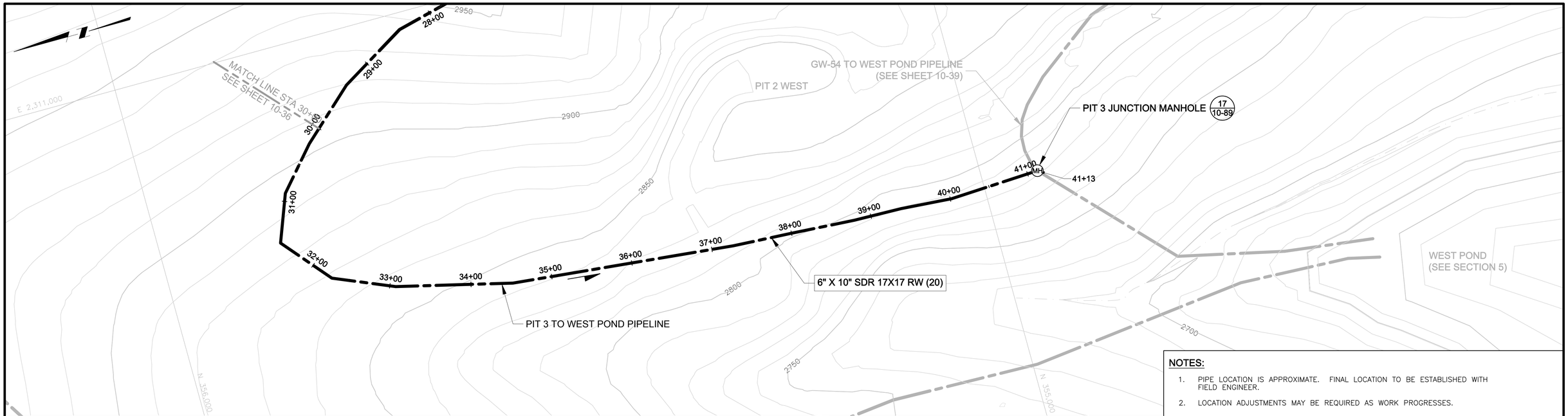
SHEET: 10-36

REVISION: 3

FILE NAME: 10-33

DATE: JUNE 2015

pw:\\pmerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\03-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-33.dwg



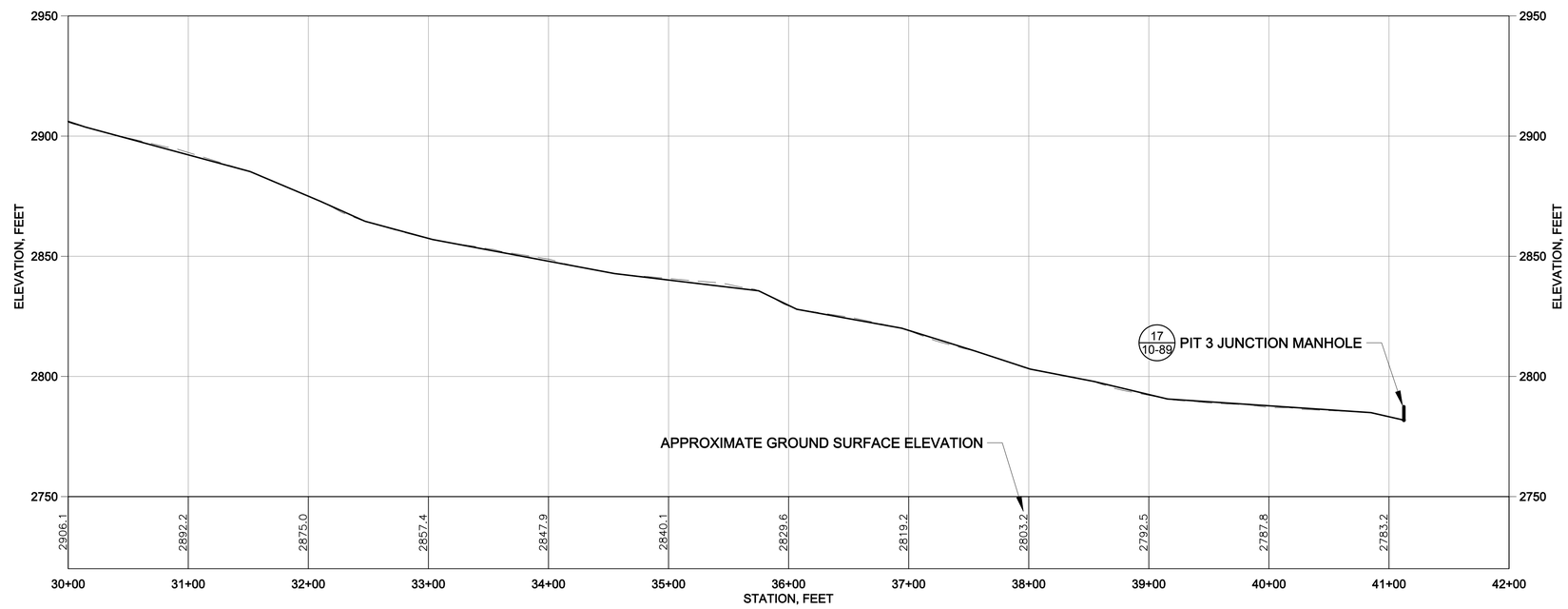
NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - PIT 3 TO INTERSECTION PIPELINE - STATION 30+00 TO END

MWH

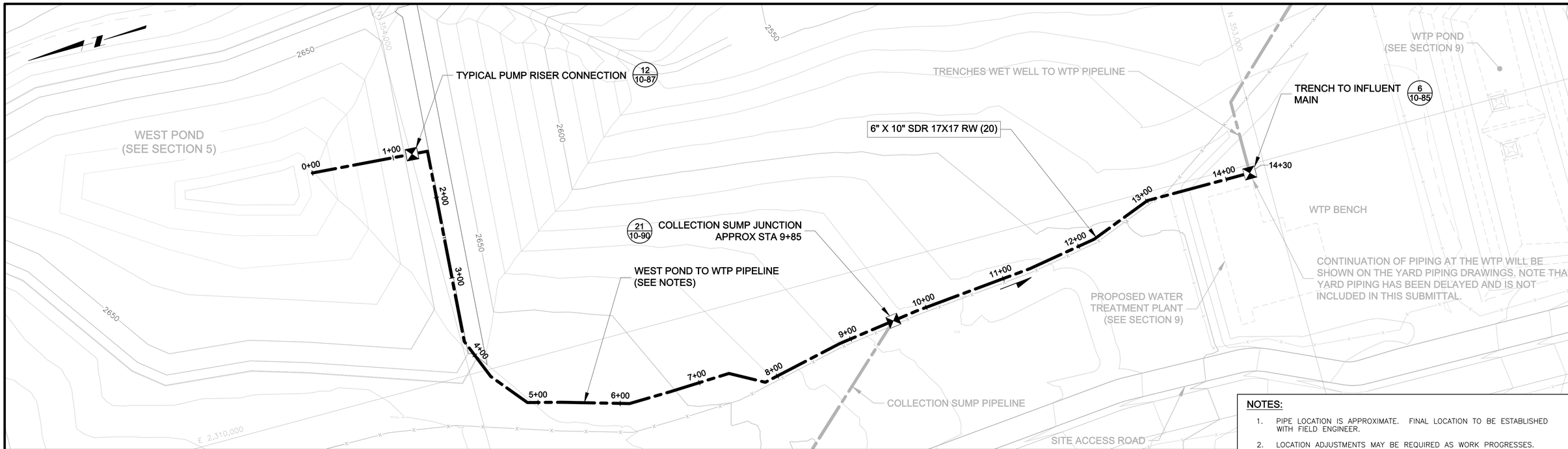
SHEET: 10-37

REVISION: 3

FILE NAME: 10-33

DATE: JUNE 2015

pw:\\amerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-33.dwg



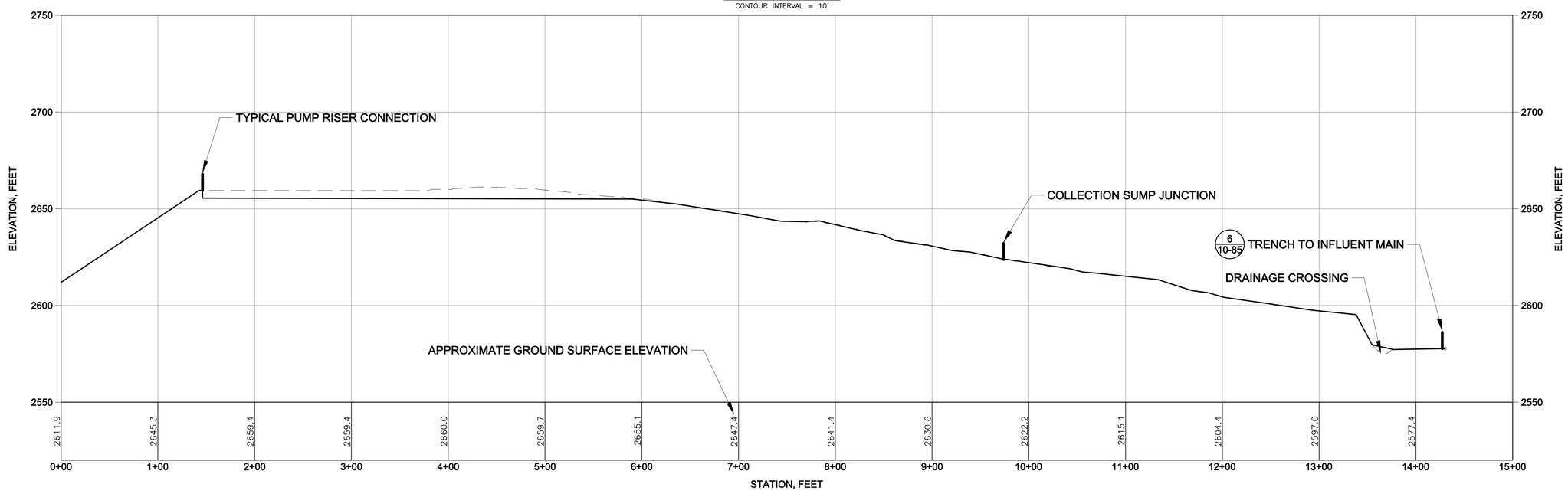
NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.

PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - WEST POND TO WTP PIPELINE - STATION 0+00 TO END

MWH

SHEET: 10-38

REVISION: 3

FILE NAME: 10-34

DATE: JUNE 2015

pw:\\emerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-34.dwg

NOTES:

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

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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- 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

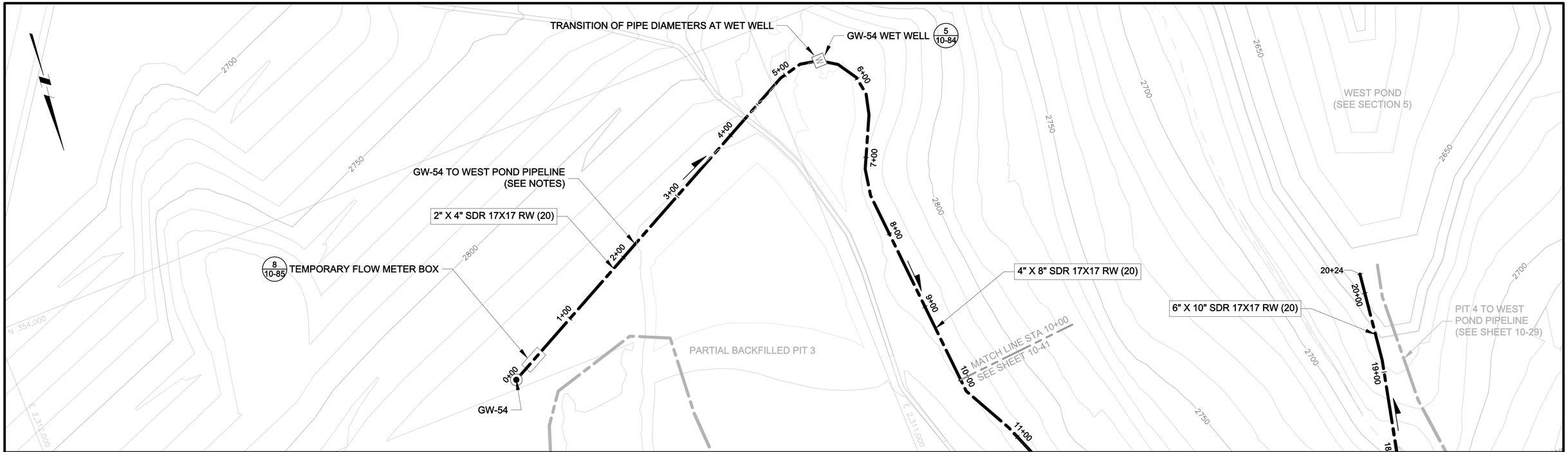
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: END OF PHASE 2 - GW-54 TO WEST POND PIPELINE

MWH

SHEET 10-39 | REVISION 3
FILE NAME 10-35 | DATE JUNE 2015

pw:\\amerwpwin103.mwhglobal.com:AM_PROJECT303\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-35.dwg



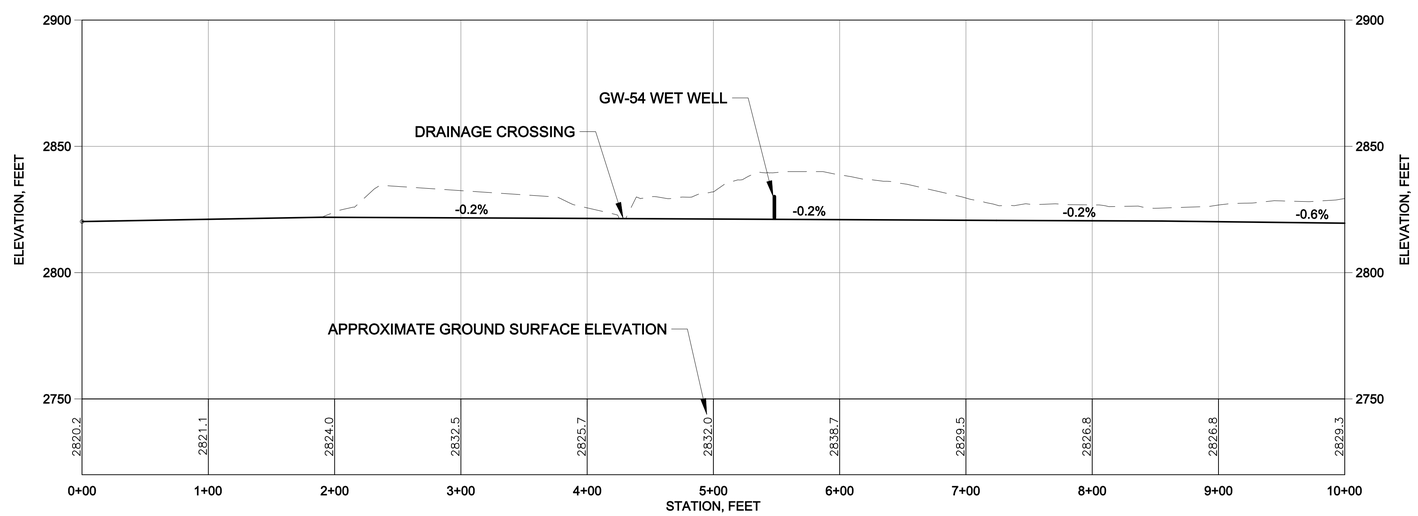
PLAN

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.



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

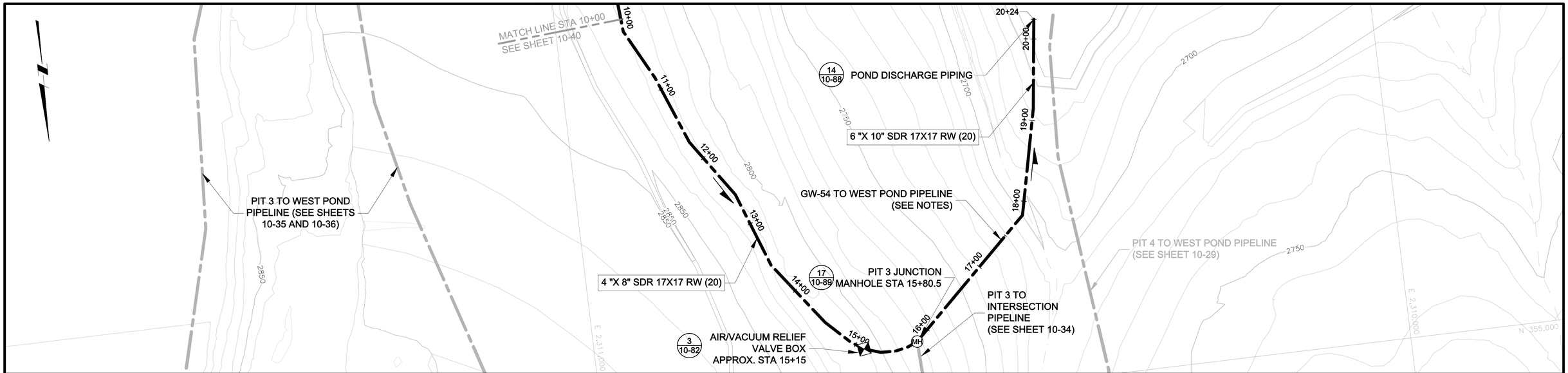
TITLE: END OF PHASE 2 - GW-54 TO WEST POND PIPELINE - STATION 0+00 TO 10+00

MWH

SHEET: 10-40 | REVISION: 3

FILE NAME: 10-36 | DATE: JUNE 2015

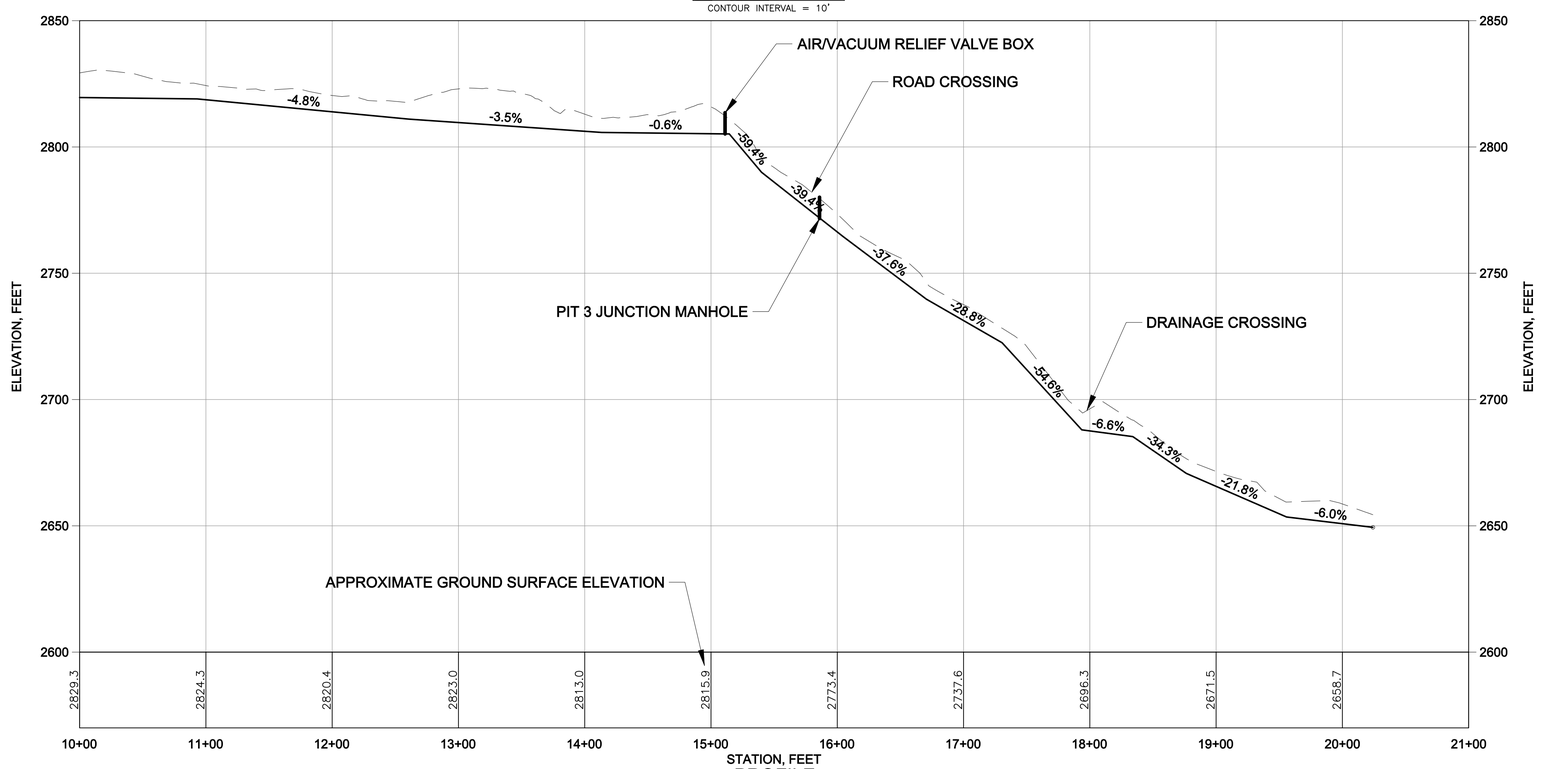
pw:\\amerwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-36.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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.

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - GW-54 TO WEST POND PIPELINE - STATION 10+00 TO END

MWH

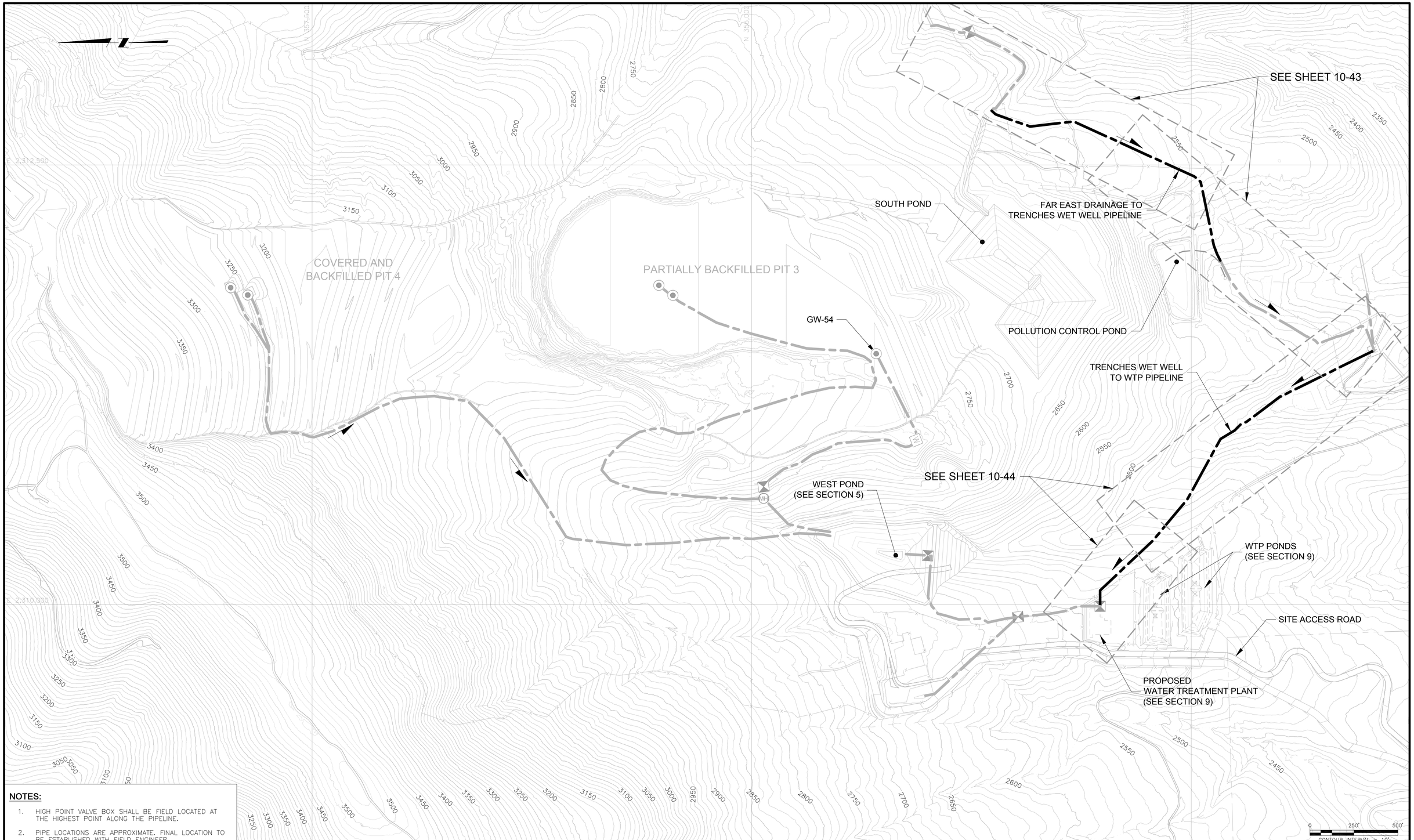
SHEET: 10-41

REVISION: 3

FILE NAME: 10-36

DATE: JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-36.dwg



NOTES:

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

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

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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

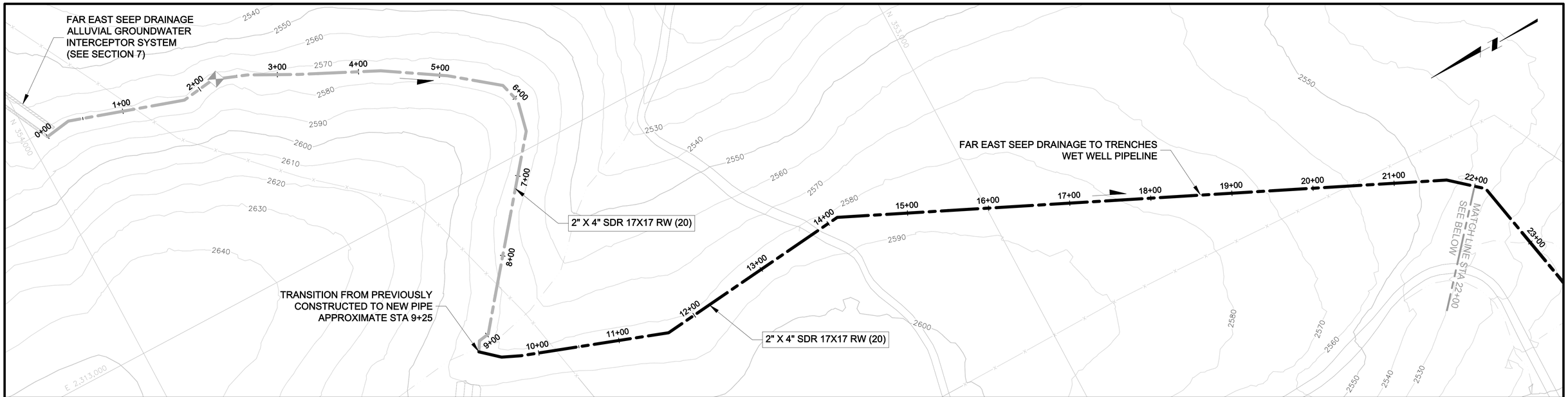
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: END OF PHASE 2 - ALLUVIAL GROUNDWATER CAPTURE INFLUENT PIPELINES

MWH

SHEET: 10-42
REVISION: 3
FILE NAME: 10-38_NEW
DATE: JUNE 2015

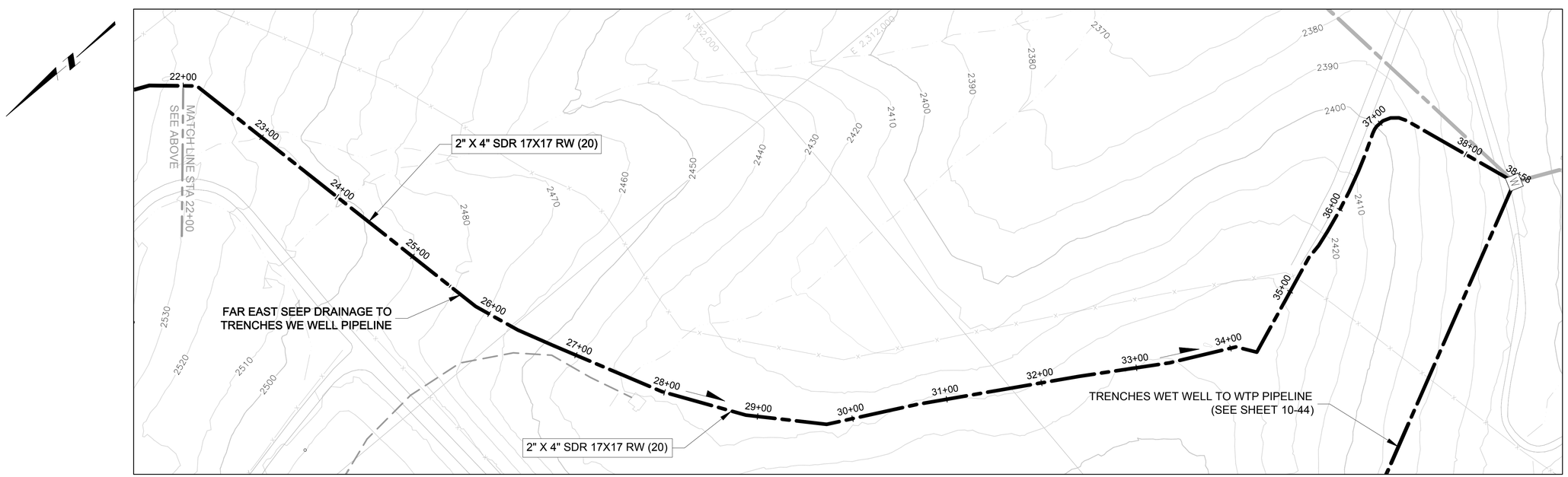
pw:\\cmergwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BIDDR\10_WTP n PIPES\10-38_NEW.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



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.

ISSUE REV	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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - FAR EAST DRAINAGE TO TRENCHES WET WELL PIPELINE - STATION 0+00 TO END

MWH

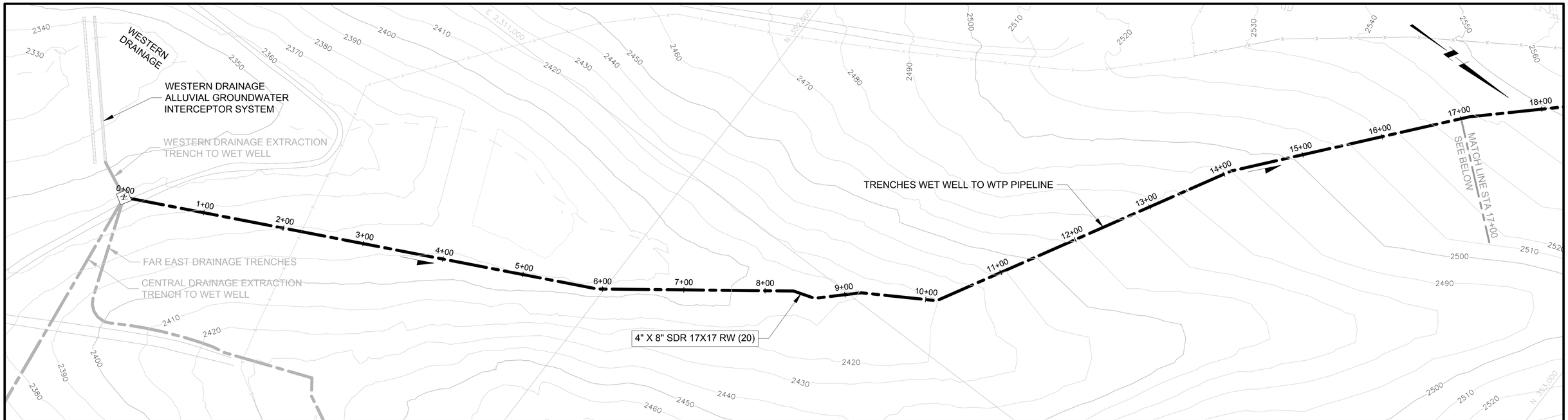
SHEET: 10-43

REVISION: 3

FILE NAME: 10-39_NEW

DATE: JUNE 2015

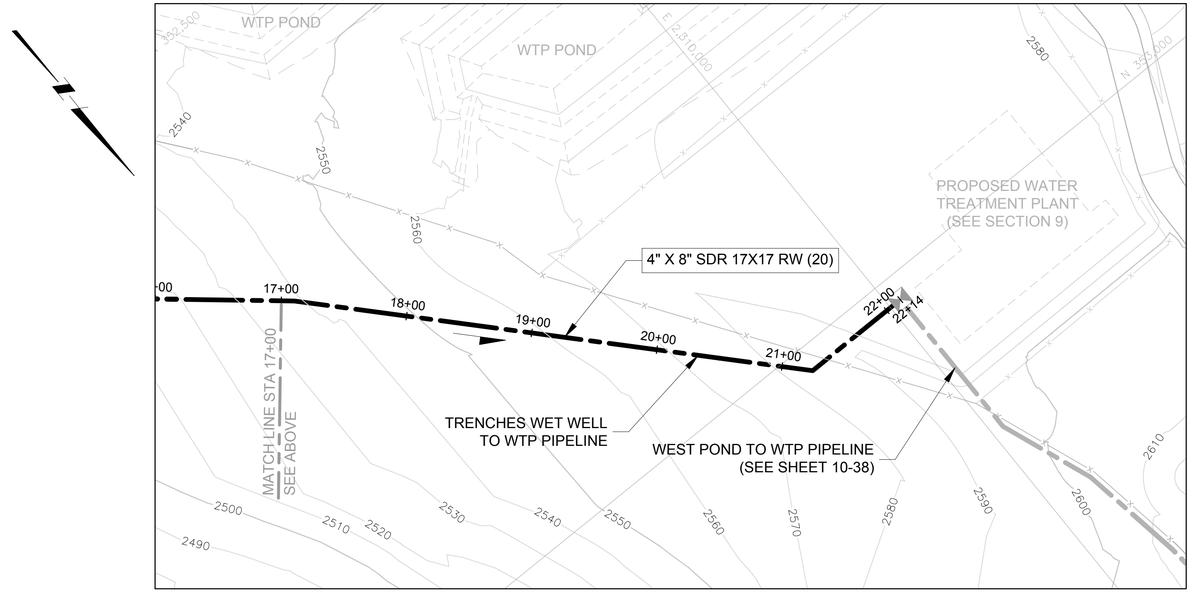
pw:\\pomerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-39_NEW.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



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.

ISSUE REV	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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 2 - TRENCHES WET WELL TO WTP PIPELINE - STATION 0+00 TO END

MWH

SHEET: 10-44

REVISION: 3

FILE NAME: 10-39_NEW

DATE: JUNE 2015

pw:\\omerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-39_NEW.dwg

FAR EAST DRAINAGE ALLUVIAL GROUNDWATER INTERCEPTOR SYSTEM

3 / 10-82 AIR/VACUUM RELIEF VALVE BOX

CENTRAL DRAINAGE ALLUVIAL GROUNDWATER INTERCEPTOR SYSTEM

PIT 3 WASTE ROCK DEWATERING WELLS

PIT 3 UNDERDRAIN WELLS

PIT 4 UNDERDRAIN WELLS

PIT 4 WASTE ROCK DEWATERING WELLS

BACKFILLED AND COVERED PIT 4

BACKFILLED PIT 3

4 / 10-83 TRENCHES WET WELL

GW-54

SEEPAGE COLLECTION WET WELL 15 / 10-88

WESTERN DRAINAGE GROUNDWATER INTERCEPTOR SYSTEM

PIT 2 WEST

ADIT PIT

WEST POND (SEE SECTION 5)

WTP PONDS (SEE SECTION 9)

PHASE 3 PIPELINE (TYP)

PERMANENT SITE MAINTENANCE ROAD

11 / 10-86 INFLUENT MANHOLE

SITE ACCESS ROAD

WTP BENCH

PROPOSED WATER TREATMENT PLANT (SEE SECTION 9)

COLLECTION SUMP

RHOADS PROPERTY BOUNDARY

0 250' 500'

CONTOUR INTERVAL = 10'

NOTES:

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

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: OVERALL INFLUENT PIPELINES PLAN - END OF PHASE 3

MWH

SHEET: 10-45 | REVISION: 3

FILE NAME: 10-38 | DATE: JUNE 2015

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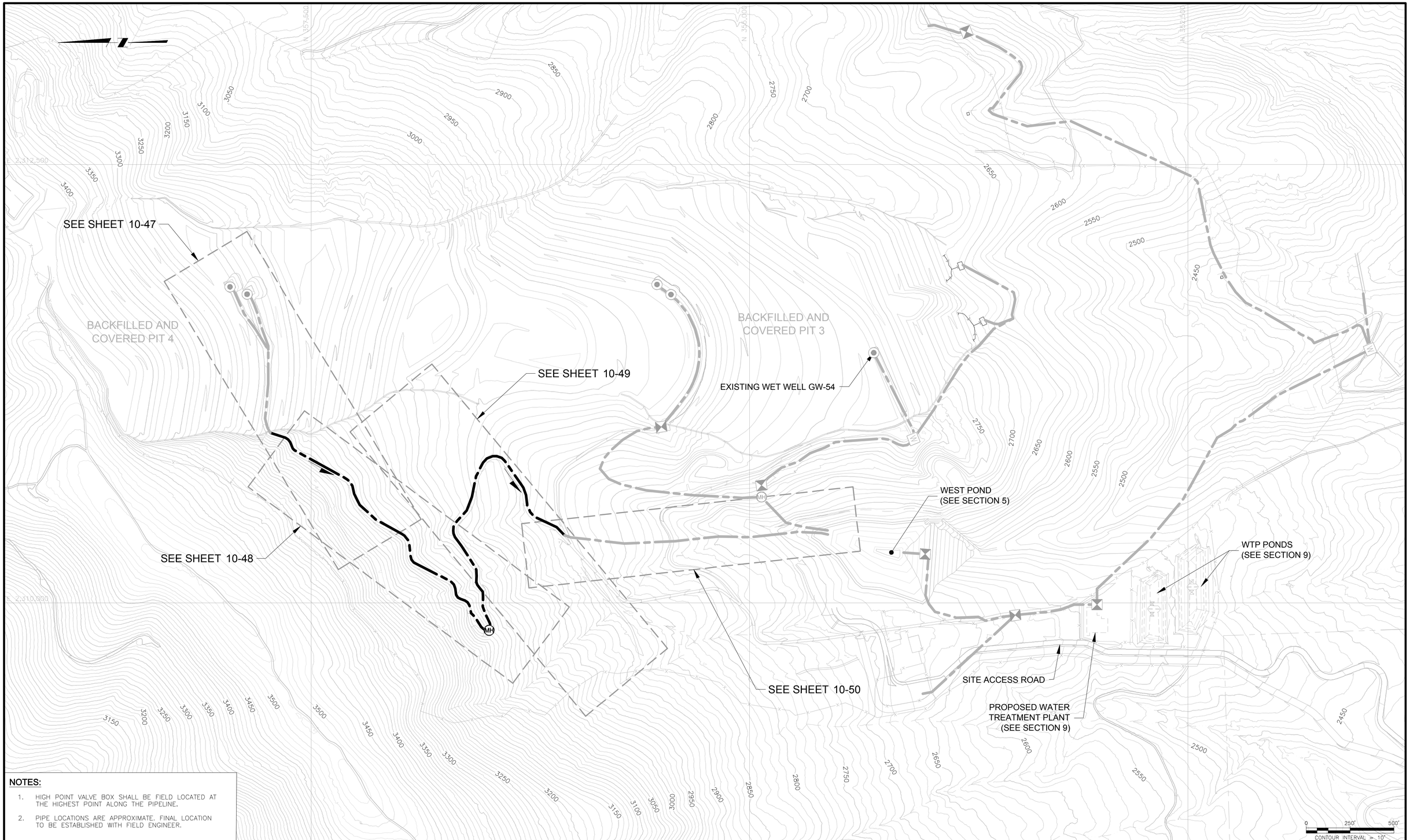

NOTES:

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

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

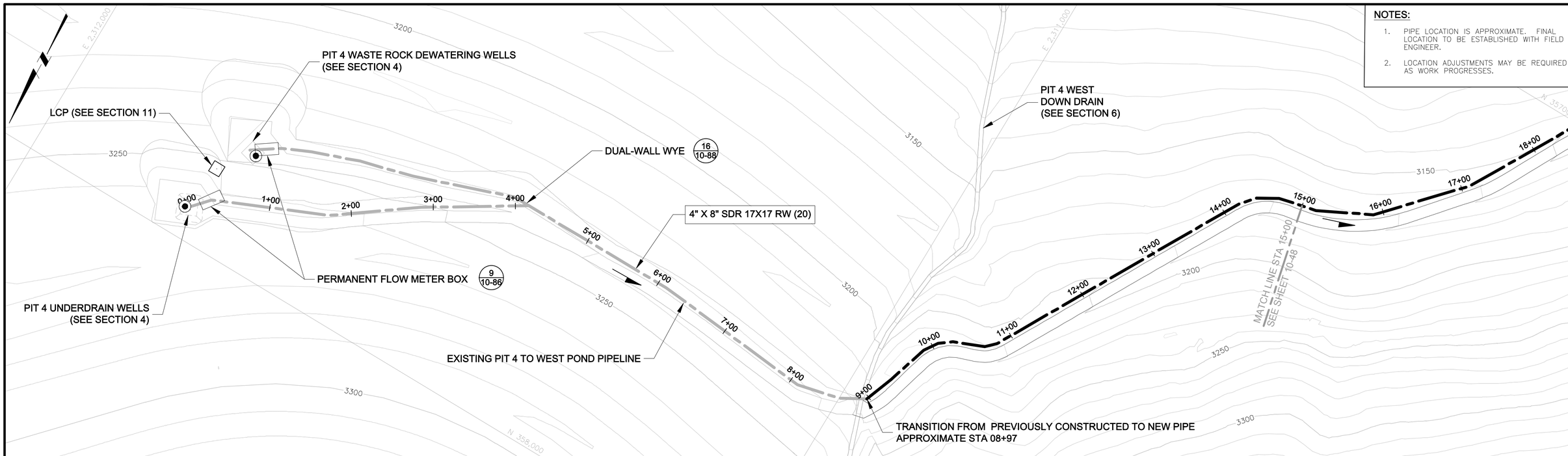
TITLE: SHEET INDEX - END OF PHASE 3 PIPELINE PIT 4 TO WEST POND

MWH

SHEET: 10-46 | REVISION: 3

FILE NAME: 10-39 | DATE: JUNE 2015

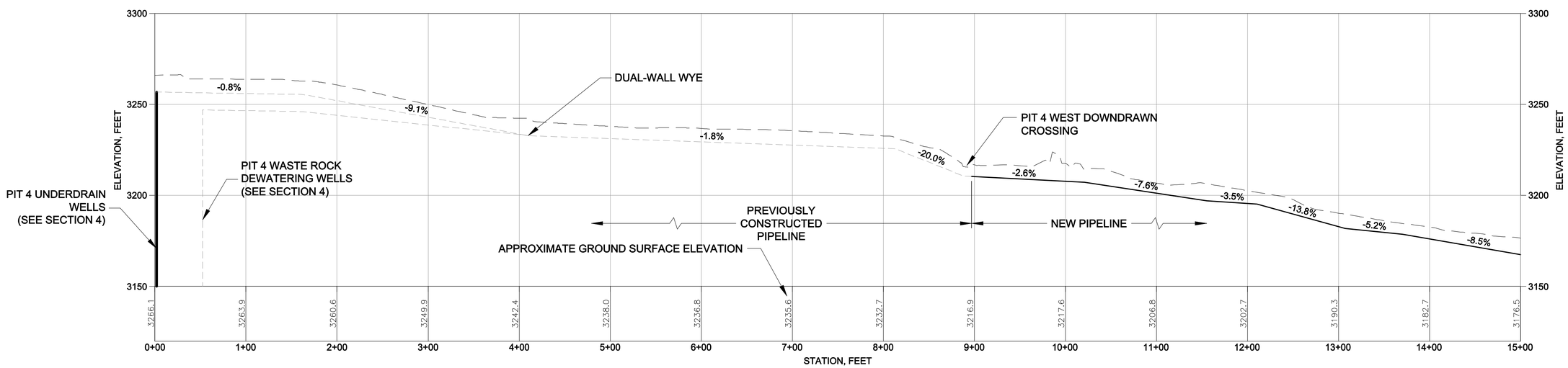
pw: \\amerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOK\10_WTP n PIPES\10-39.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 3 - PIT 4 TO WEST POND PIPELINE - STATION 0+00 TO 15+00

MWH

SHEET: 10-47

REVISION: 3

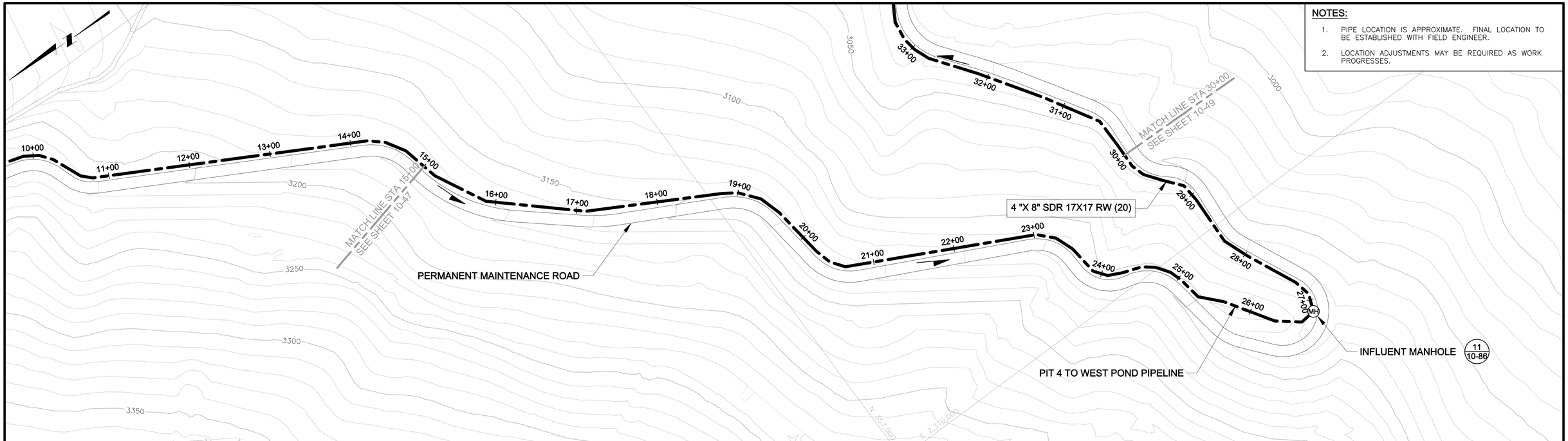
FILE NAME: 10-40

DATE: JUNE 2015

pw:\\omaherpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-40.dwg

NOTES:

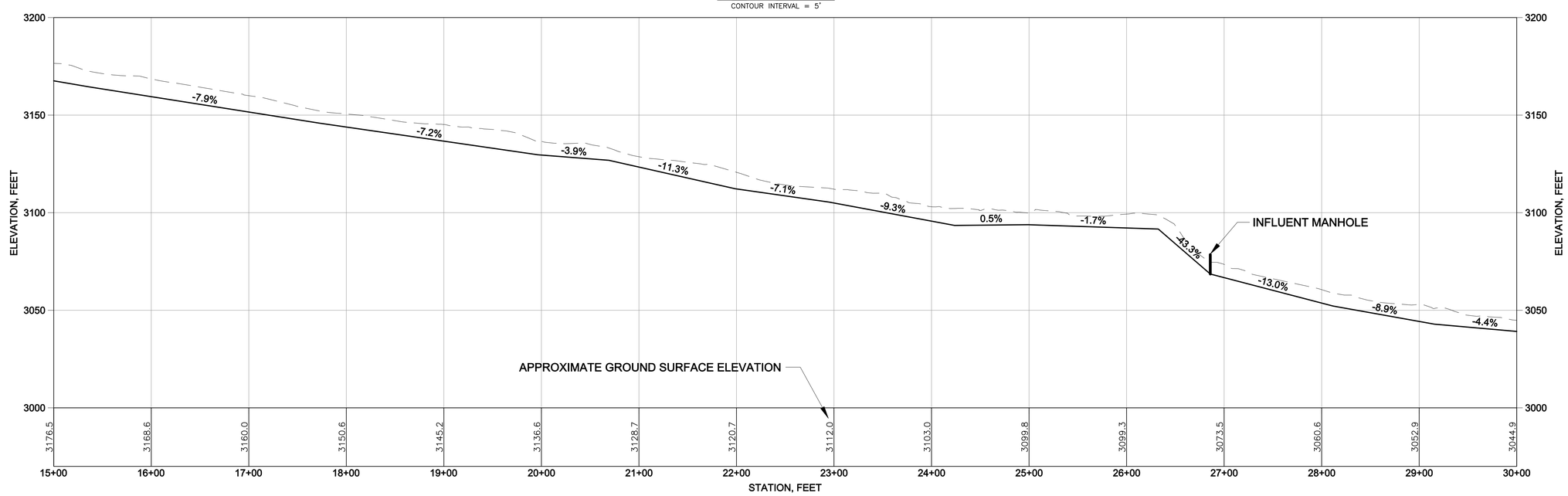
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 3 - PIT 4 TO WEST POND PIPELINE - STATION 15+00 TO 30+00

MWH

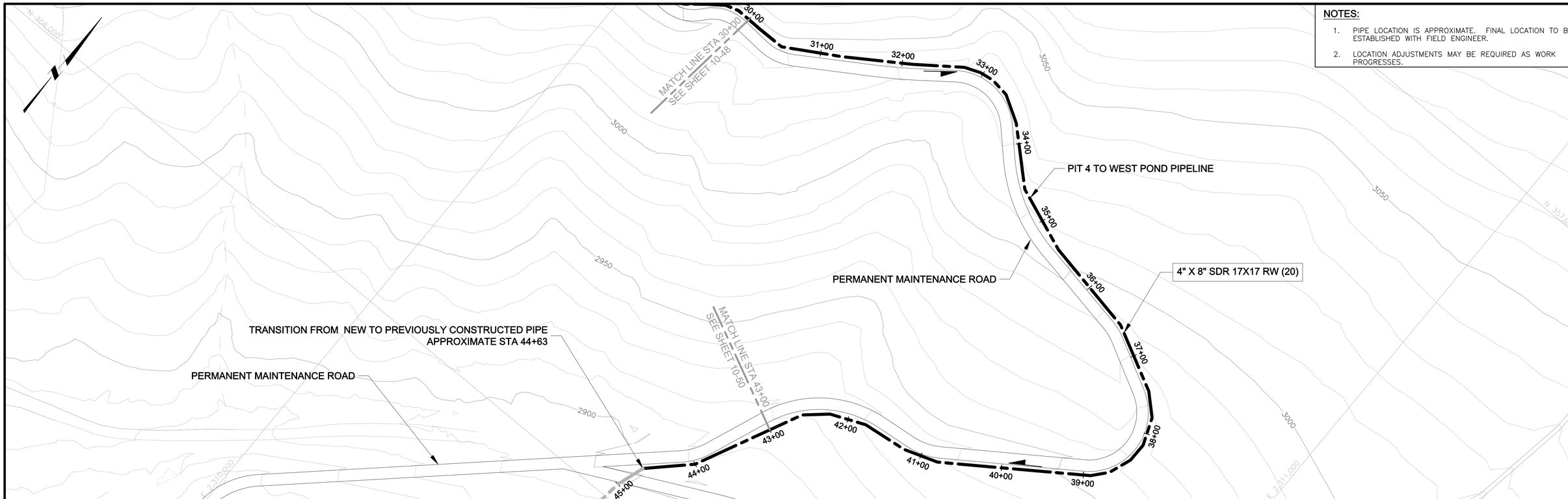
SHEET 10-48 | REVISION 3

FILE NAME 10-40 | DATE JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOR\10_WTP n PIPES\10-40.dwg

NOTES:

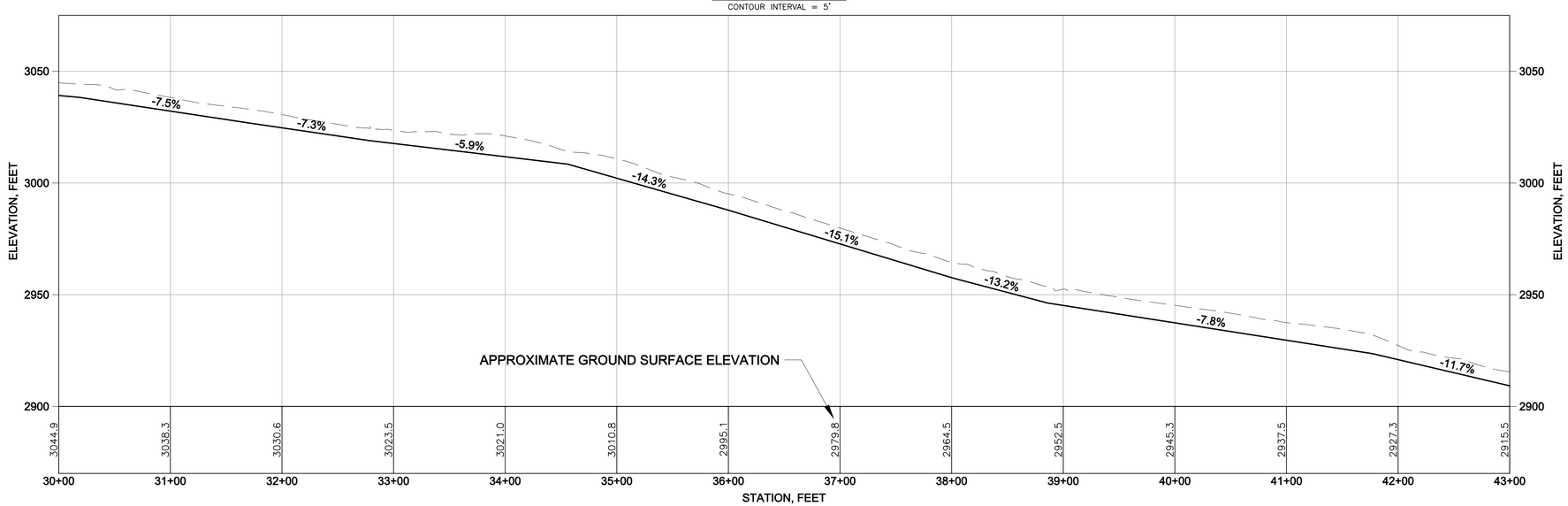
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 3 - PIT 4 TO WEST POND PIPELINE - STATION 30+00 TO 43+00

MWH

SHEET: 10-49

REVISION: 3

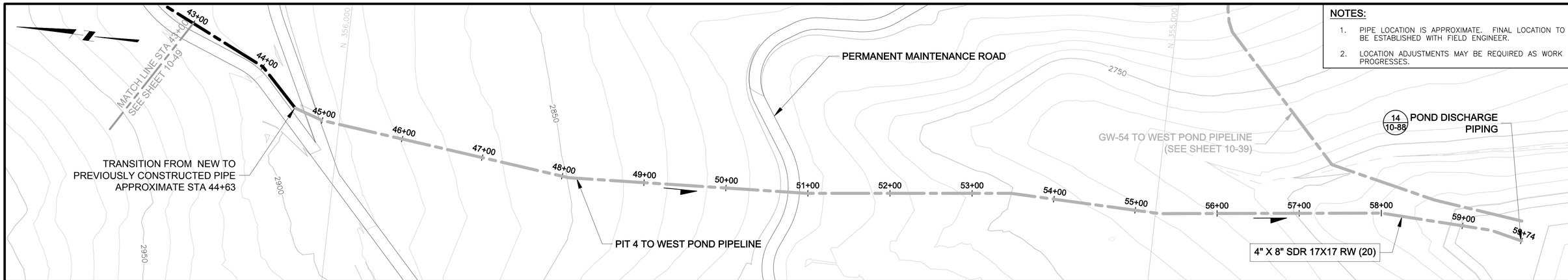
FILE NAME: 10-40

DATE: JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\R0-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-40.dwg

NOTES:

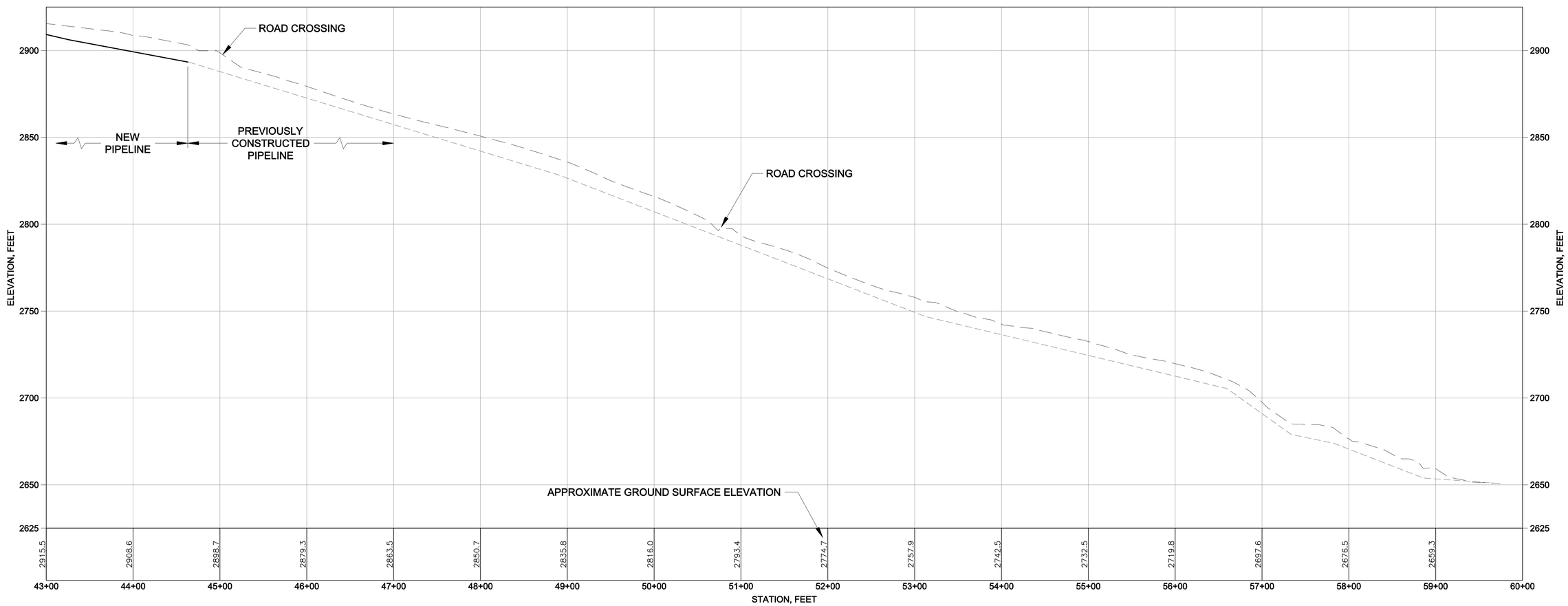
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

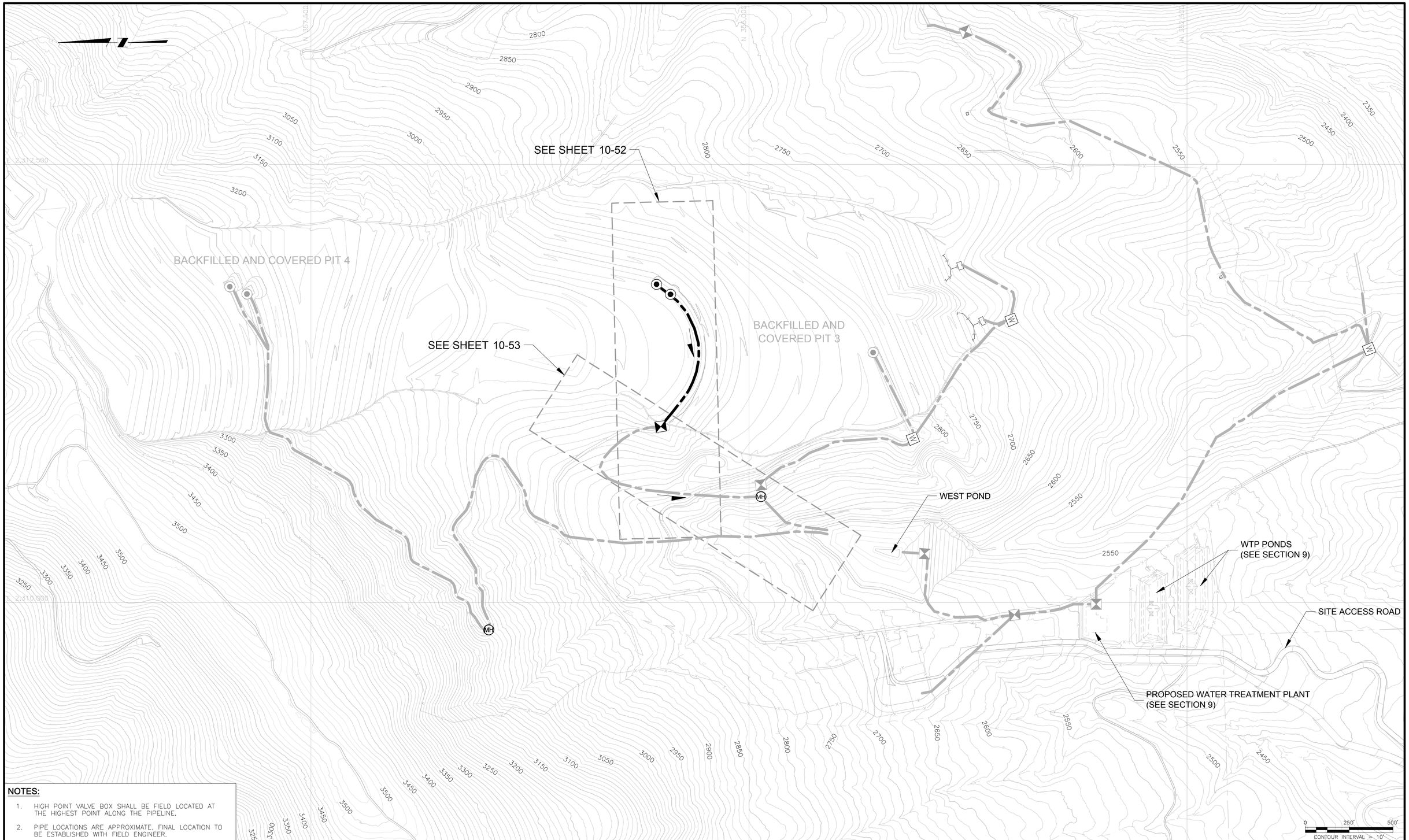
TITLE: END OF PHASE 3 - PIT 4 TO WEST POND PIPELINE - STATION 43+00 TO END

MWH

SHEET: 10-50 | REVISION: 3

FILE NAME: 10-40 | DATE: JUNE 2015

pw:\\amerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-40.dwg



NOTES:

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

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
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CHECKED BY	T KELLEY	06–15
APPROVED BY	C STRACHAN	06–15
PROJECT MANAGER	V DRAIN	06–15

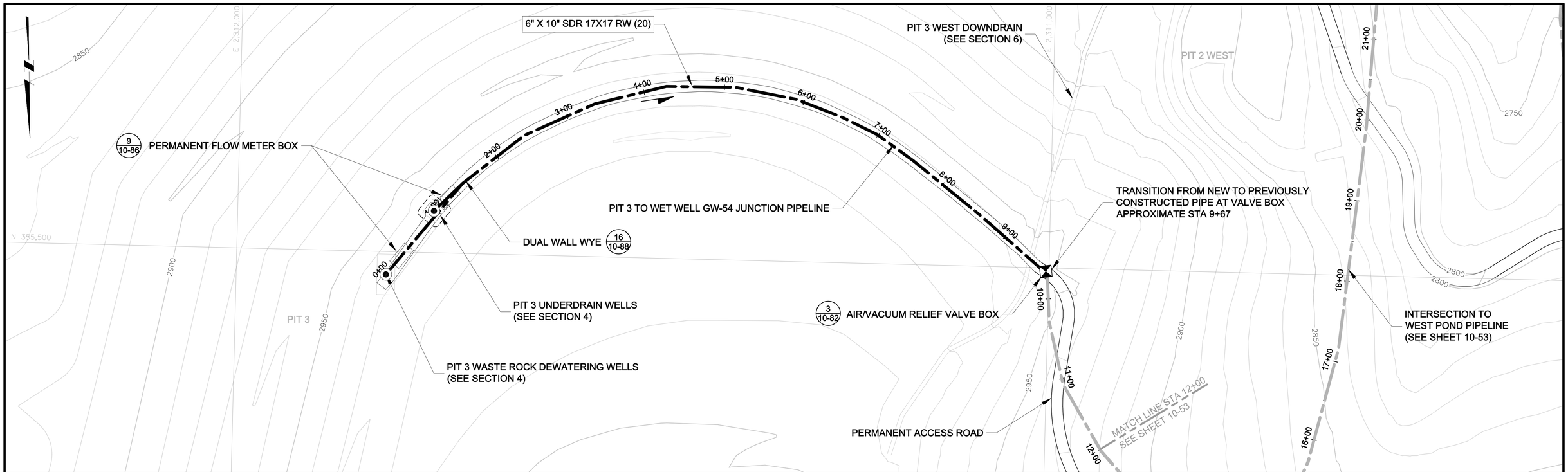
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: SHEET INDEX - END OF PHASE 3 - PIT 3 TO INTERSECTION PIPELINE

MWH

SHEET: 10-51
REVISION: 3
FILE NAME: 10-44
DATE: JUNE 2015

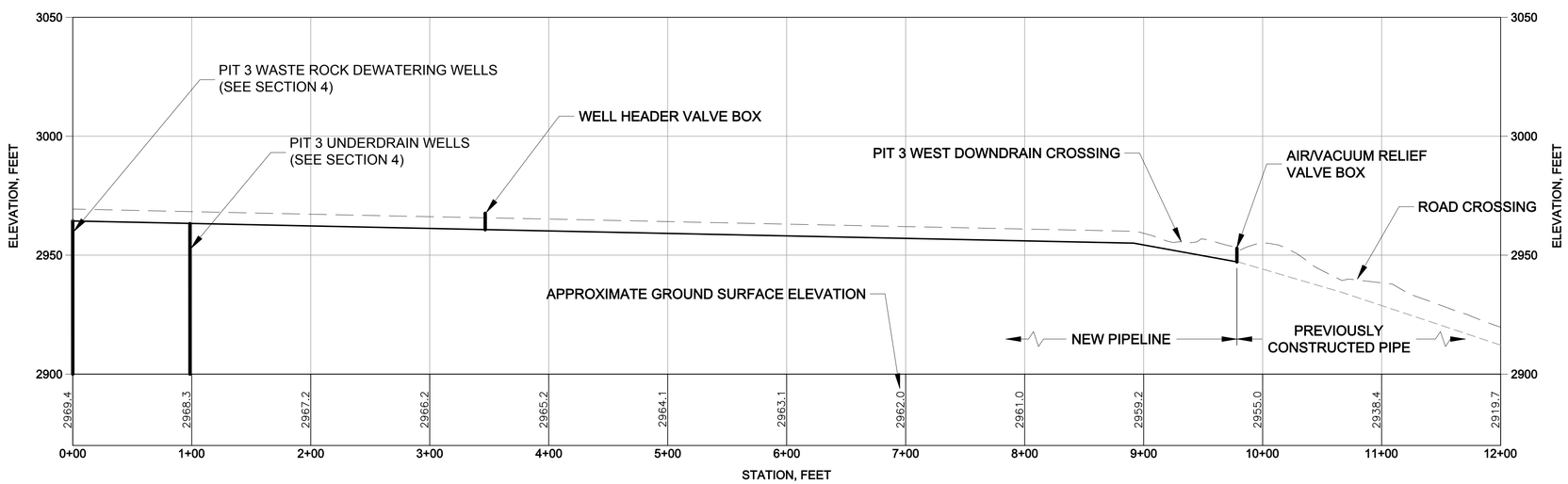
pw:\\omerpwein03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-44.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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.

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

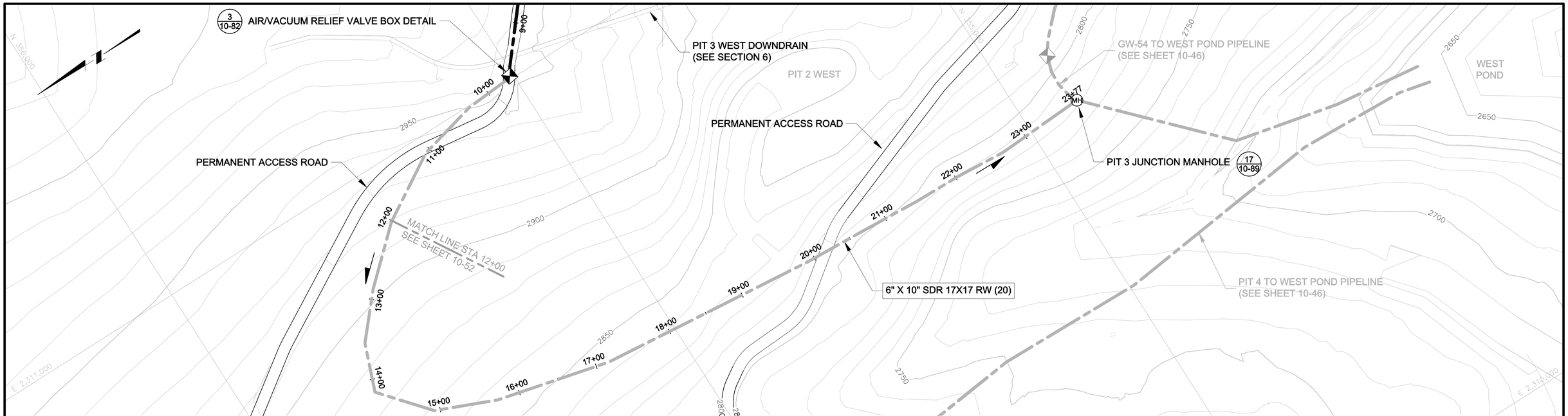
TITLE: END OF PHASE 3 - PIT 3 TO INTERSECTION PIPELINE - STATION 0+00 TO 10+00

MWH

SHEET: 10-52 | REVISION: 3

FILE NAME: 10-45 | DATE: JUNE 2015

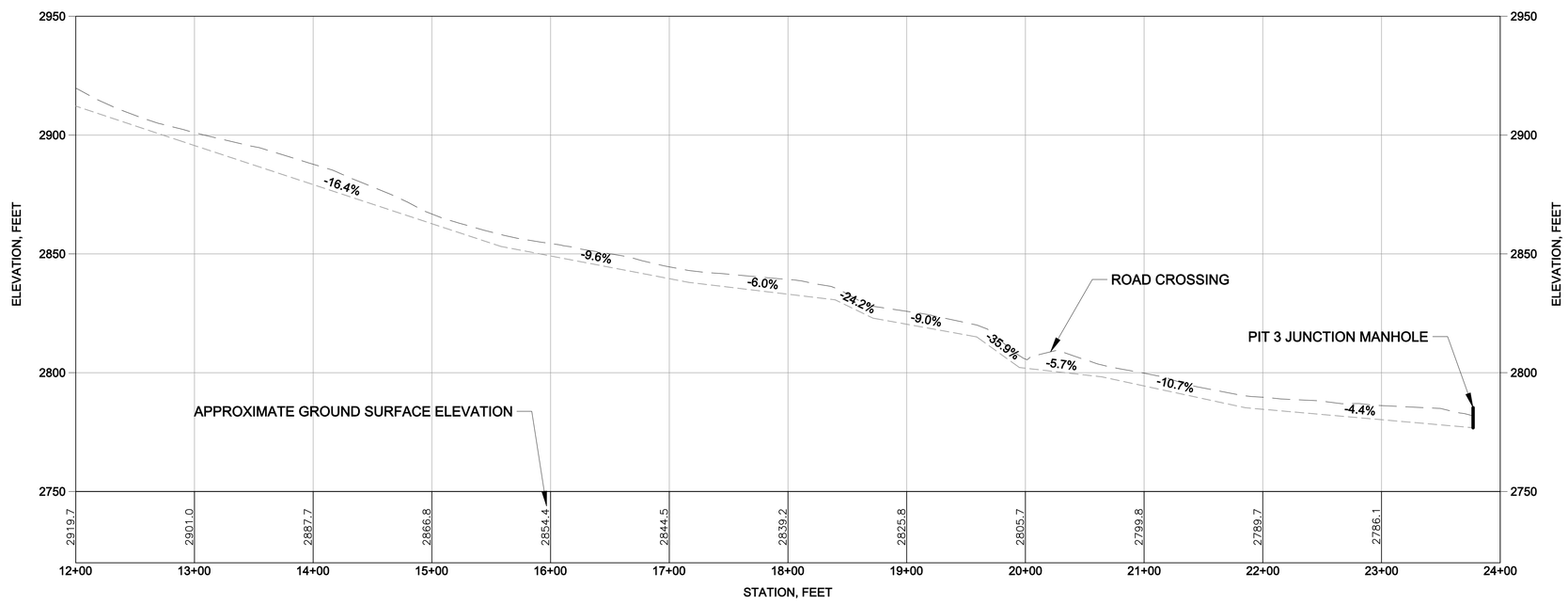
pw:\\emerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-45.dwg



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 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.

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

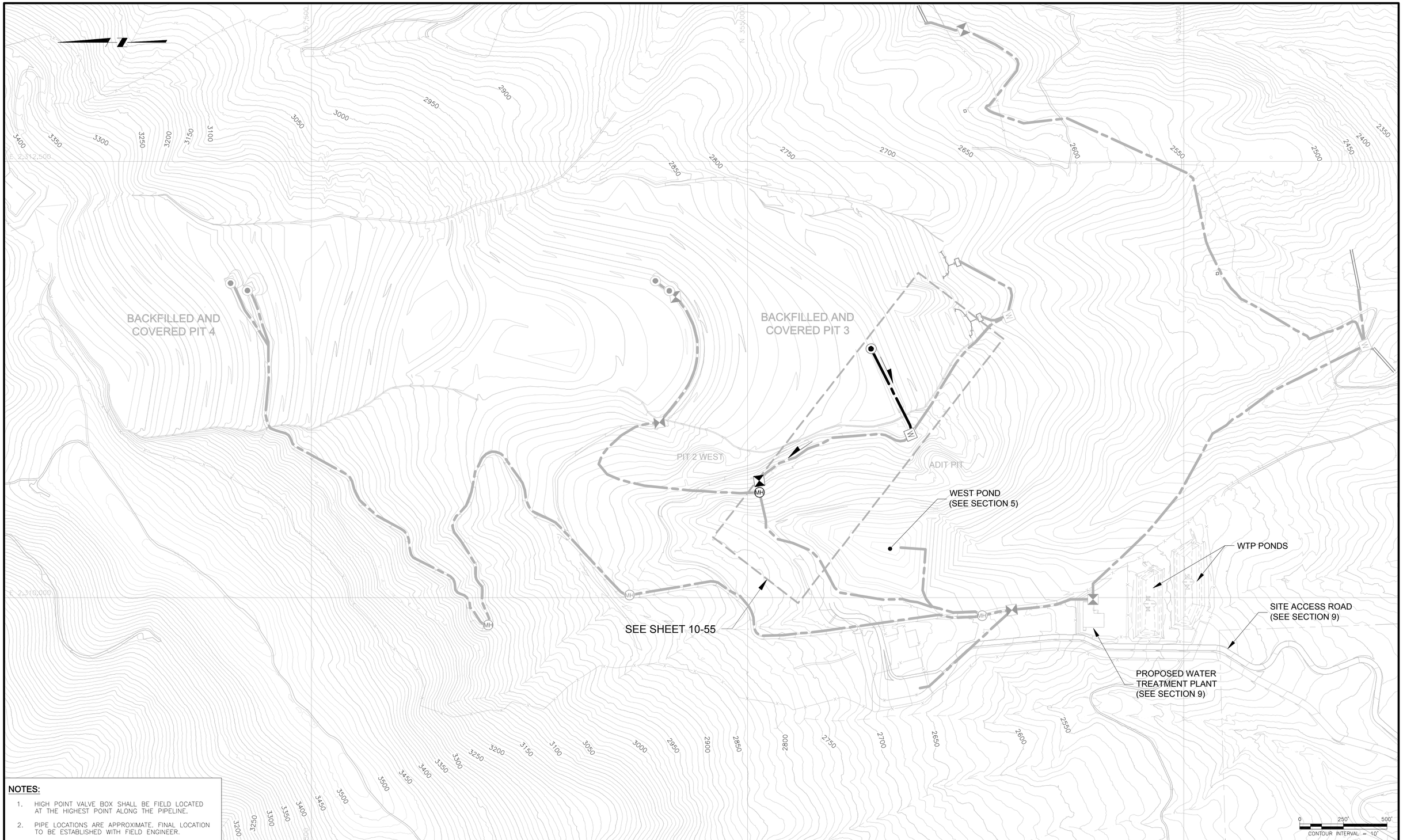
TITLE: END OF PHASE 3 - PIT 3 TO INTERSECTION PIPELINE - STATION 10+00 TO END

MWH

SHEET: 10-53 | REVISION: 3

FILE NAME: 10-45 | DATE: JUNE 2015

pw:\\omerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2A_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-45.dwg



NOTES:

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

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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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: SHEET INDEX - END OF PHASE 3 - GW-54 TO INTERSECTION PIPELINE

MWH

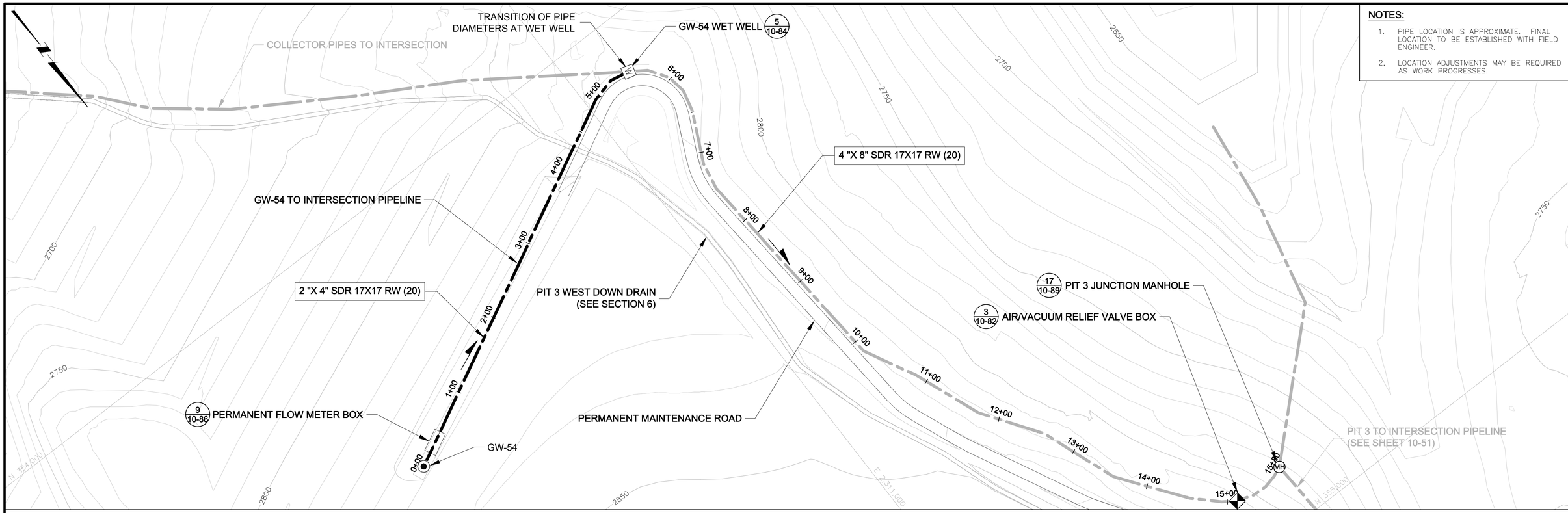
SHEET: 10-54 | REVISION: 3

FILE NAME: 10-56 | DATE: JUNE 2015

pw:\\emerywin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BOOR\10_WTP n PIPES\10-56.dwg

NOTES:

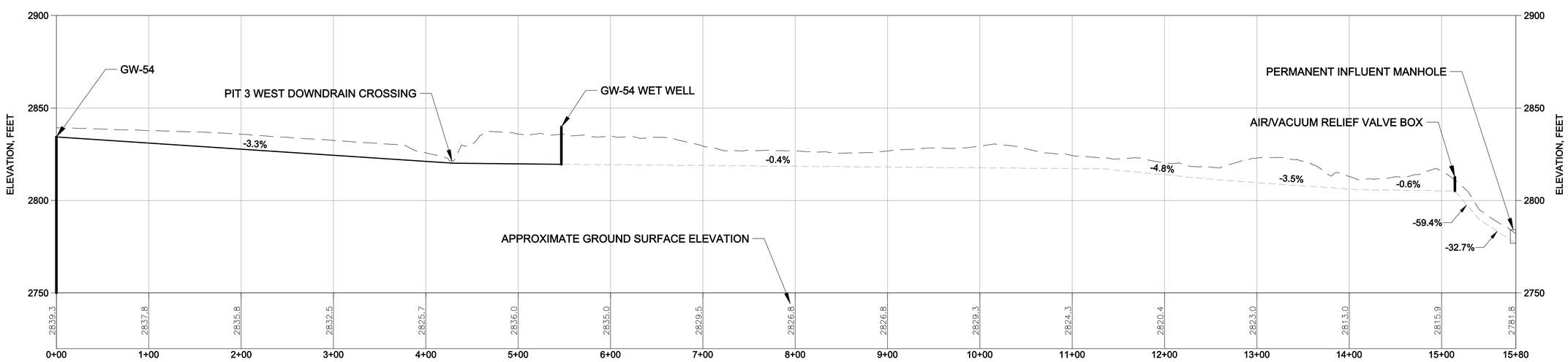
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: END OF PHASE 3 - GW-54 TO INTERSECTION - STATION 0+00 TO END

MWH

SHEET: 10-55 | REVISION: 3

FILE NAME: 10-57 | DATE: JUNE 2015

pw:\\pomerpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-57.dwg

EXCAVATED PIT 4 OVERBURDEN

PIT 4 UNDERDRAIN WELLS

PIT 4 WASTE ROCK DEWATERING WELLS

BACKFILLED AND COVERED PIT 4

PIT 3 WASTE ROCK DEWATERING WELLS

PIT 3 UNDERDRAIN WELLS

BACKFILLED AND COVERED PIT 3

GW-54

GW-54 INFLUENT PIPELINE

SEEPAGE COLLECTION WET WELL

15
10-88

PIT 3 INFLUENT PIPELINE

PIT 4 INFLUENT PIPELINE

PIT 2 WEST

ADIT PIT

MH

W

WTP BENCH

WTP PONDS
(SEE SECTION 9)

PERMANENT SITE MAINTENANCE ROAD

SITE ACCESS ROAD
PROPOSED WATER
TREATMENT PLANT
(SEE SECTION 9)

RHOADS PROPERTY BOUNDARY

0 250' 500'
CONTOUR INTERVAL = 10'

NOTES:

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

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

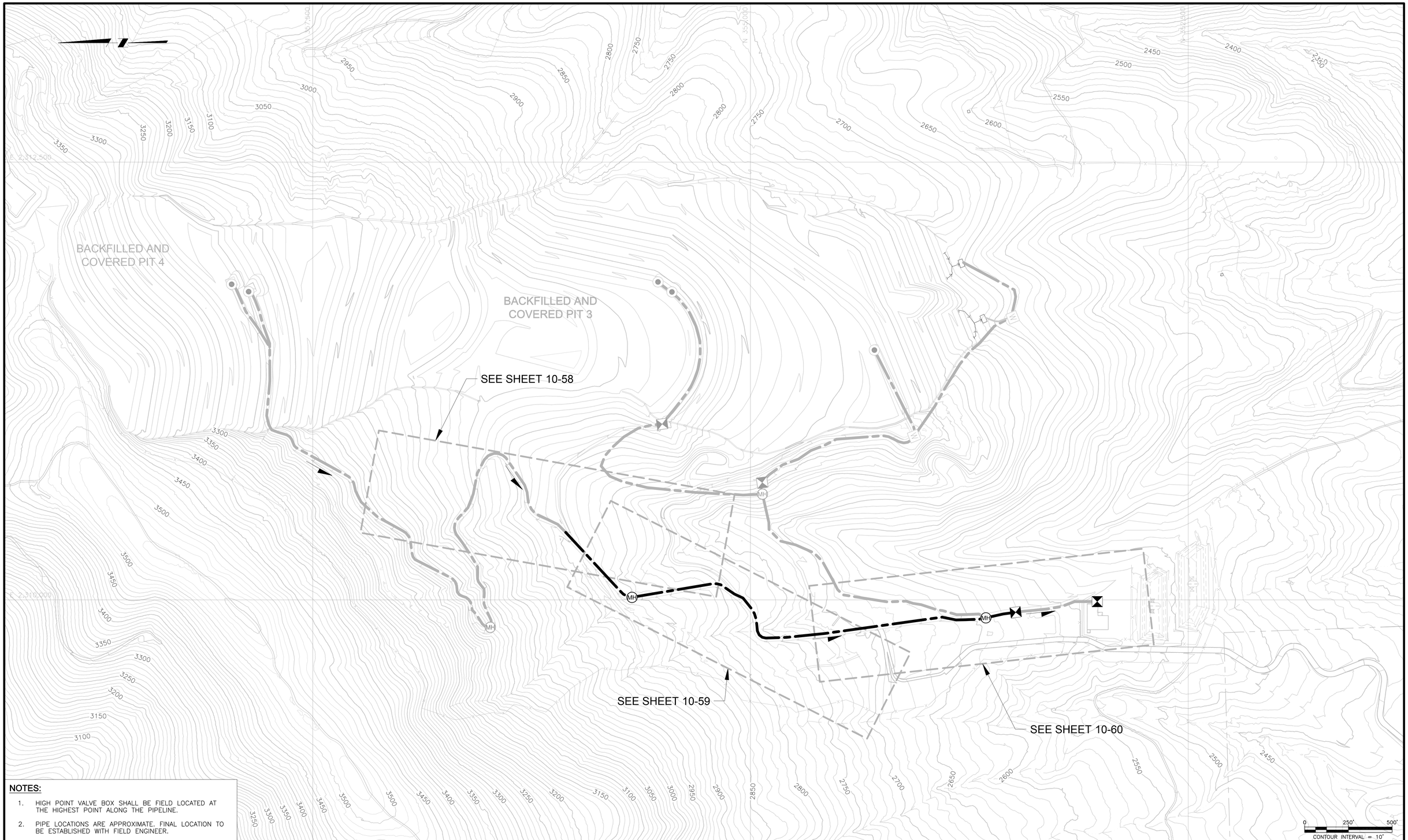
TITLE: OVERALL INFLUENT PIPELINES PLAN - POST-RA

MWH

SHEET: 10-56 | REVISION: 3

FILE NAME: 10-47 | DATE: JUNE 2015

pw:\\cmwcpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-47.dwg



NOTES:

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2. PIPE LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.

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2	ISSUED FOR 90% DESIGN	KT	JD	07–14

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: SHEET INDEX - POST-RA - PIT 4 TO WTP PIPELINE

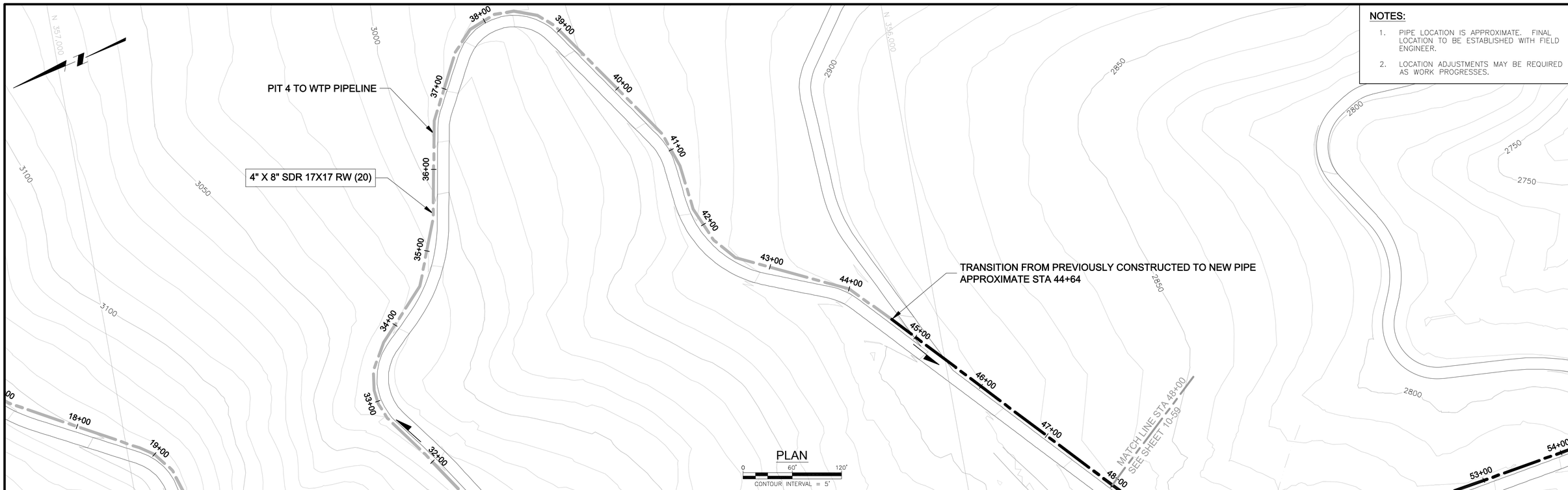
MWH

SHEET 10-57	REVISION 3
FILE NAME 10-48	DATE JUNE 2015

pw:\\amerwpint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-48.dwg

NOTES:

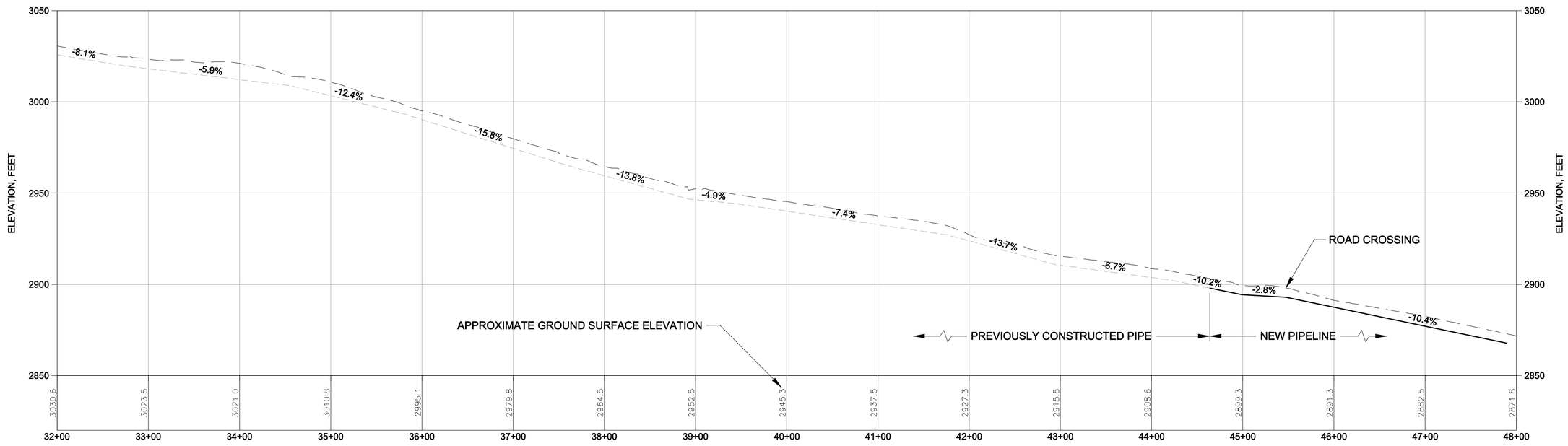
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

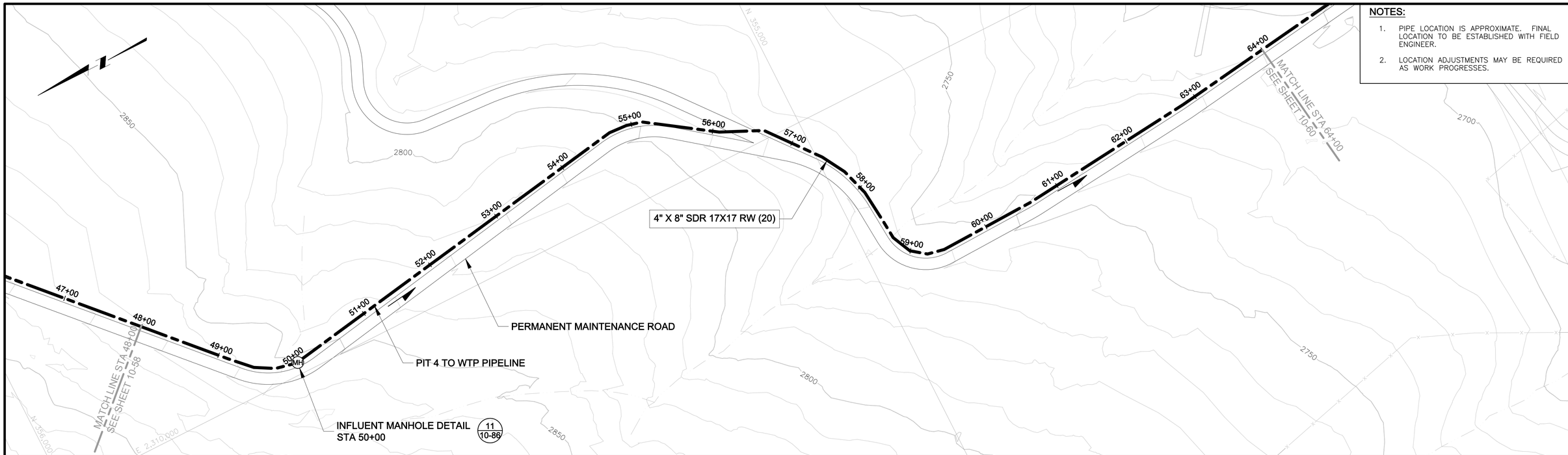
TITLE: POST-RA - PIT 4 TO WTP PIPELINE - STATION 32+00 TO 48+00

MWH

SHEET: 10-58 | REVISION: 3

FILE NAME: 10-49 | DATE: JUNE 2015

pw:\\omwpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-49.dwg



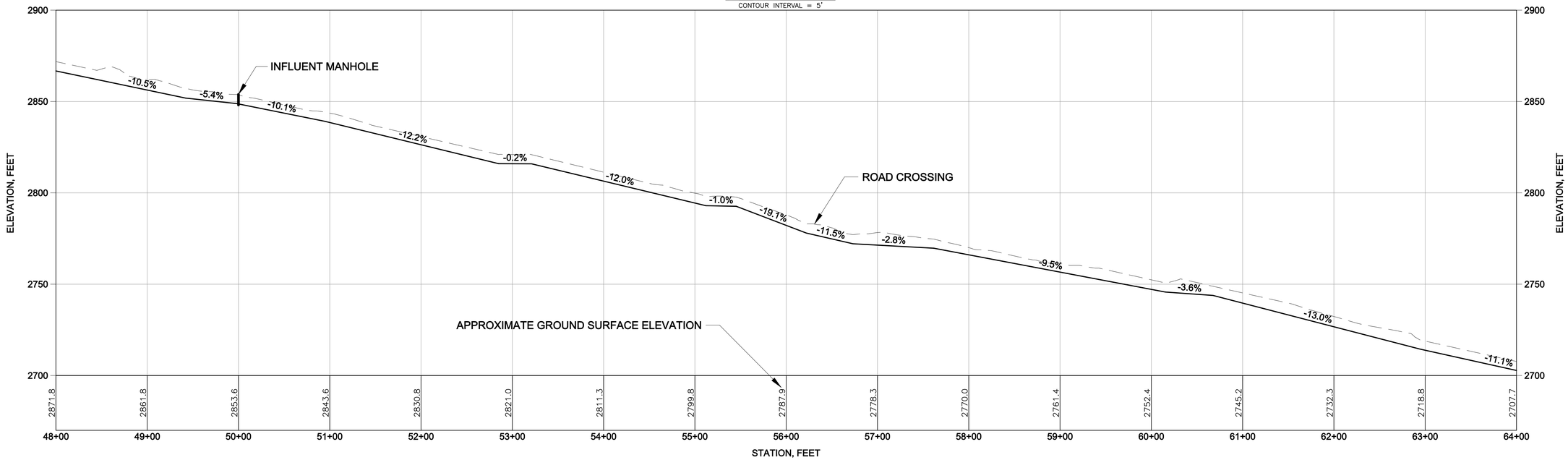
NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.

PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: POST-RA - PIT 4 TO WTP PIPELINE - STATION 48+00 TO 64+00

MWH

SHEET 10-59 | REVISION 3

FILE NAME 10-49 | DATE JUNE 2015

pw:\\pmsrvpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-49.dwg

NOTES:

1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
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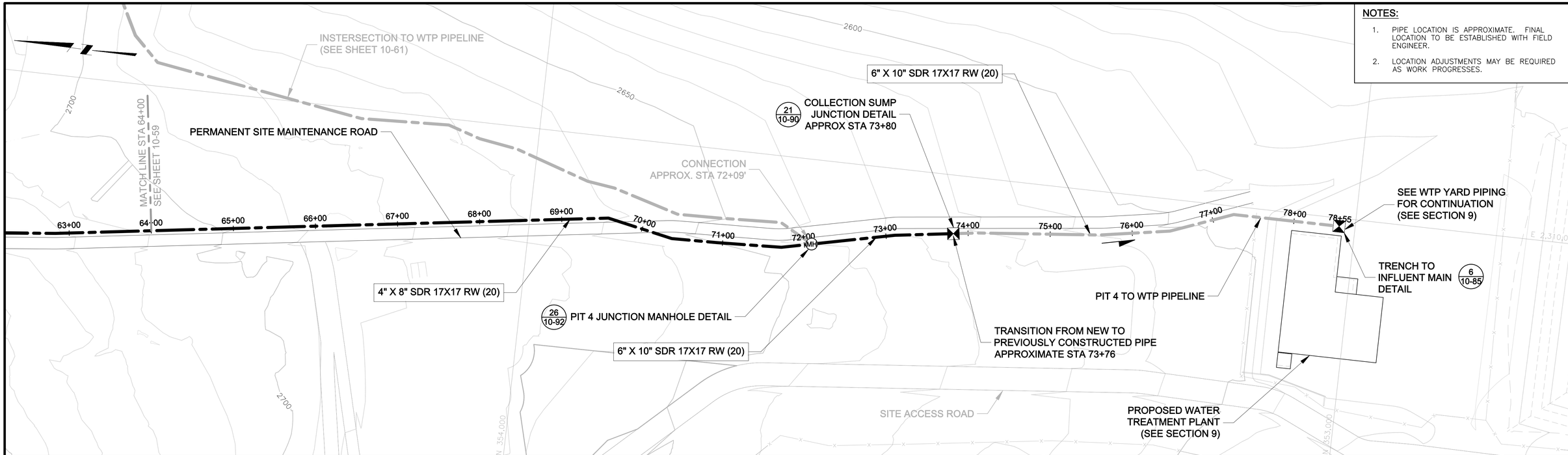
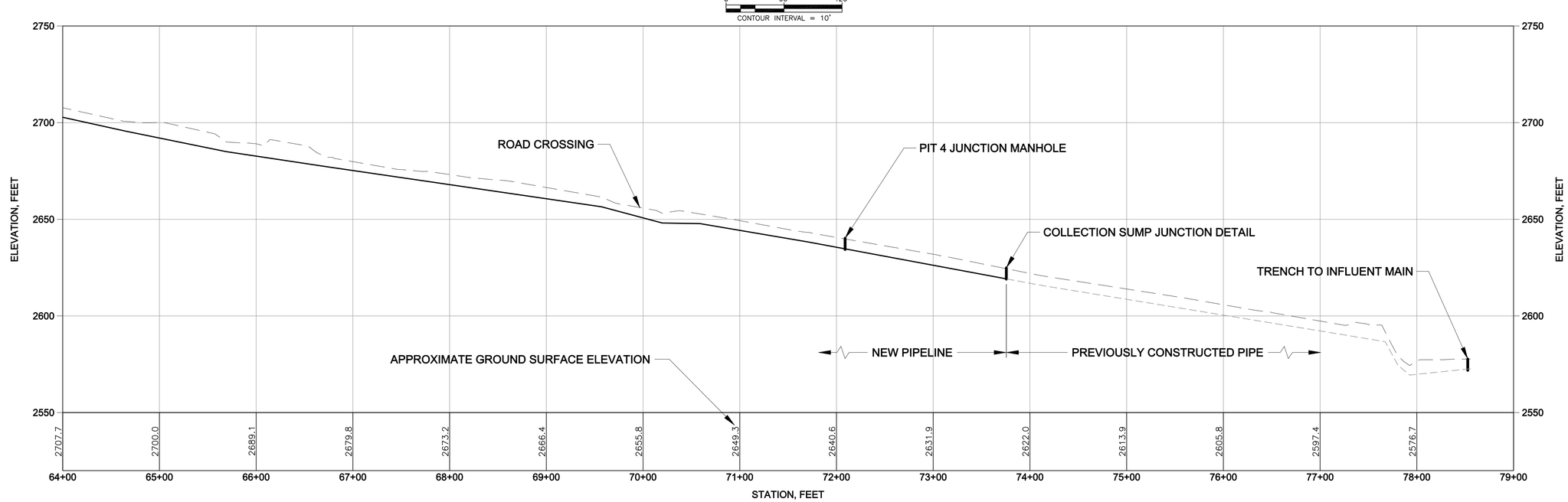


PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: POST-RA - PIT 4 TO WTP PIPELINE - STATION 64+00 TO END

MWH

SHEET 10-60 | REVISION 3

FILE NAME 10-49 | DATE JUNE 2015

pw:\\amerwpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-49.dwg

NOTES:

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

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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- 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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: SHEET INDEX - POST-RA - INTERSECTION TO WTP PIPELINE

MWH

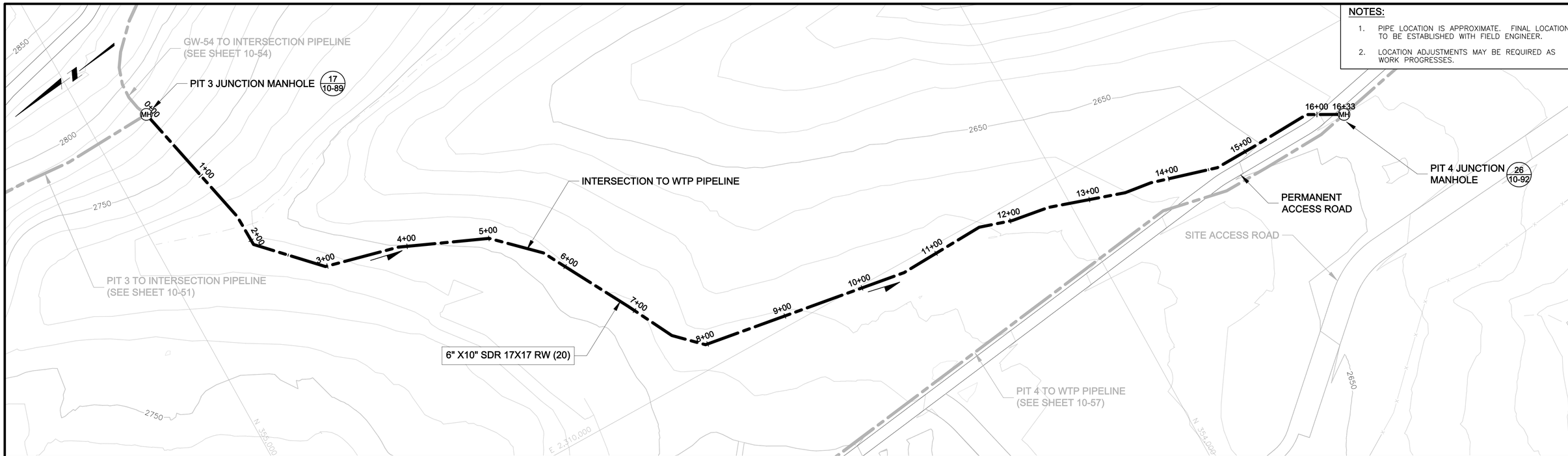
SHEET: 10-61 | REVISION: 3

FILE NAME: 10-54 | DATE: JUNE 2015

pw:\\omarpwin103.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-54.dwg

NOTES:

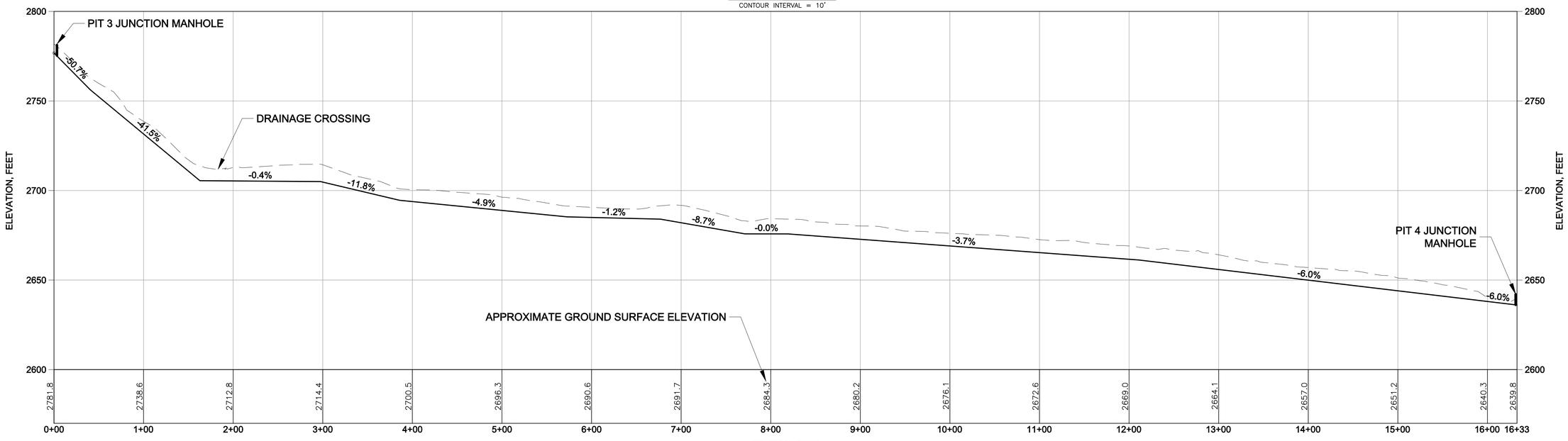
1. PIPE LOCATION IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED WITH FIELD ENGINEER.
2. LOCATION ADJUSTMENTS MAY BE REQUIRED AS WORK PROGRESSES.



PLAN

0 60' 120'

CONTOUR INTERVAL = 10'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

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

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: POST-RA - INTERSECTION TO WTP PIPELINE - STATION 0+00 TO END

MWH

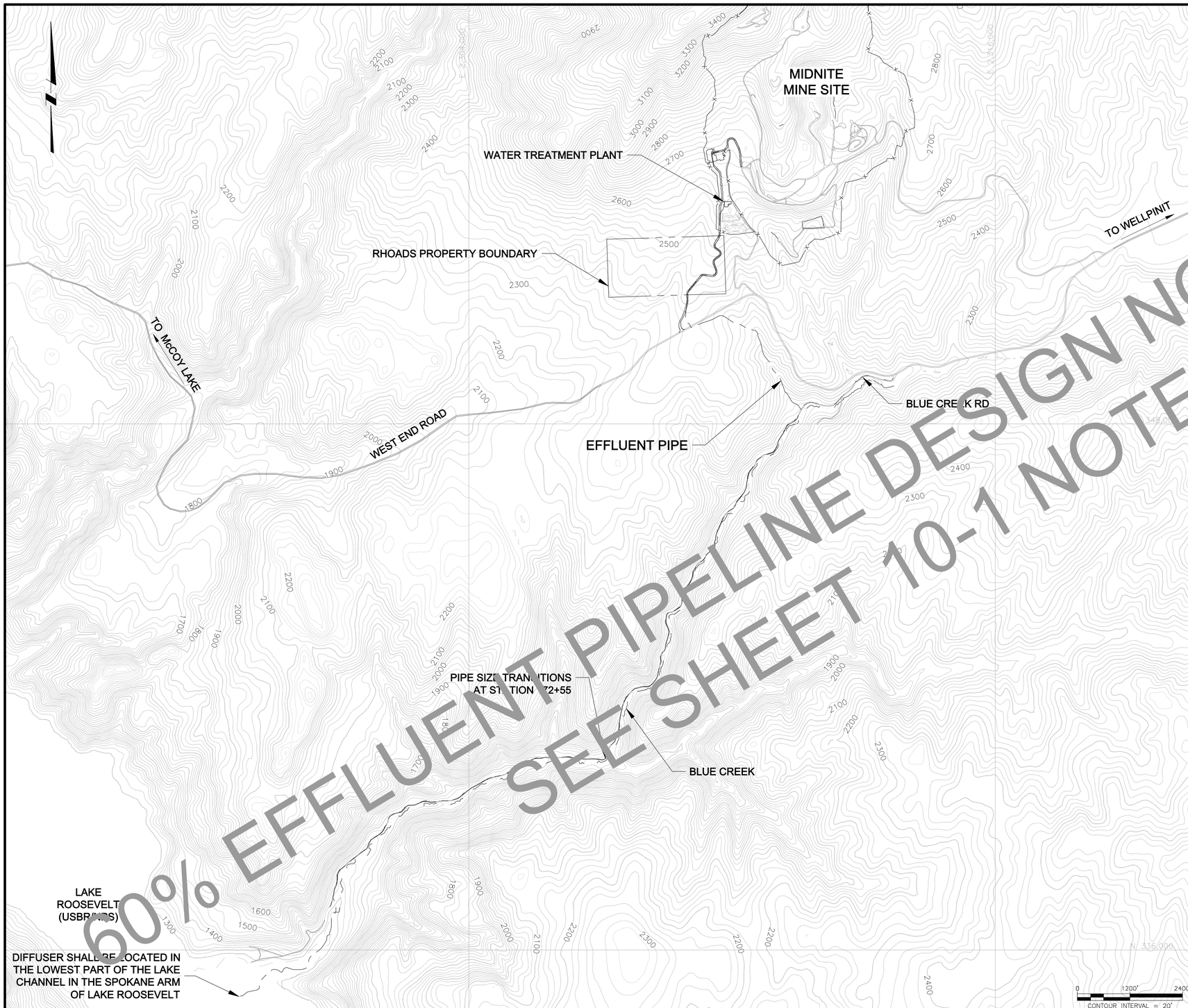
SHEET: 10-62

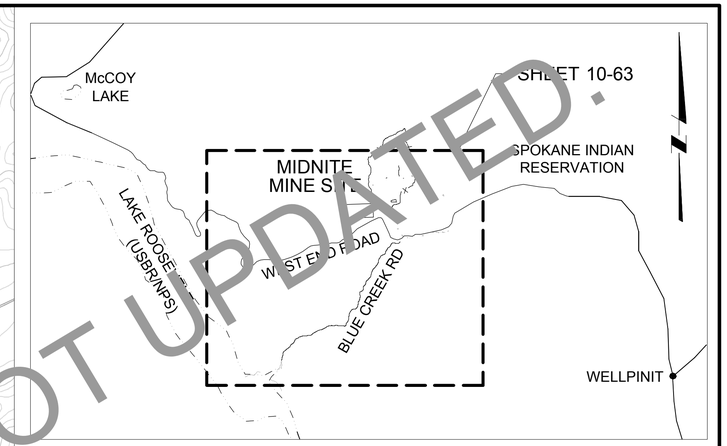
REVISION: 3

FILE NAME: 10-55

DATE: JUNE 2015

pw:\\pmerpwint03.mwhglobal.com:AM_PROJECTS03\Documents\FTC2_Newmont\Midnight Mine\RD-RA\013-Sheet Set\2015-01-01 BODR\10_WTP n PIPES\10-55.dwg





KEY MAP
NOT TO SCALE

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

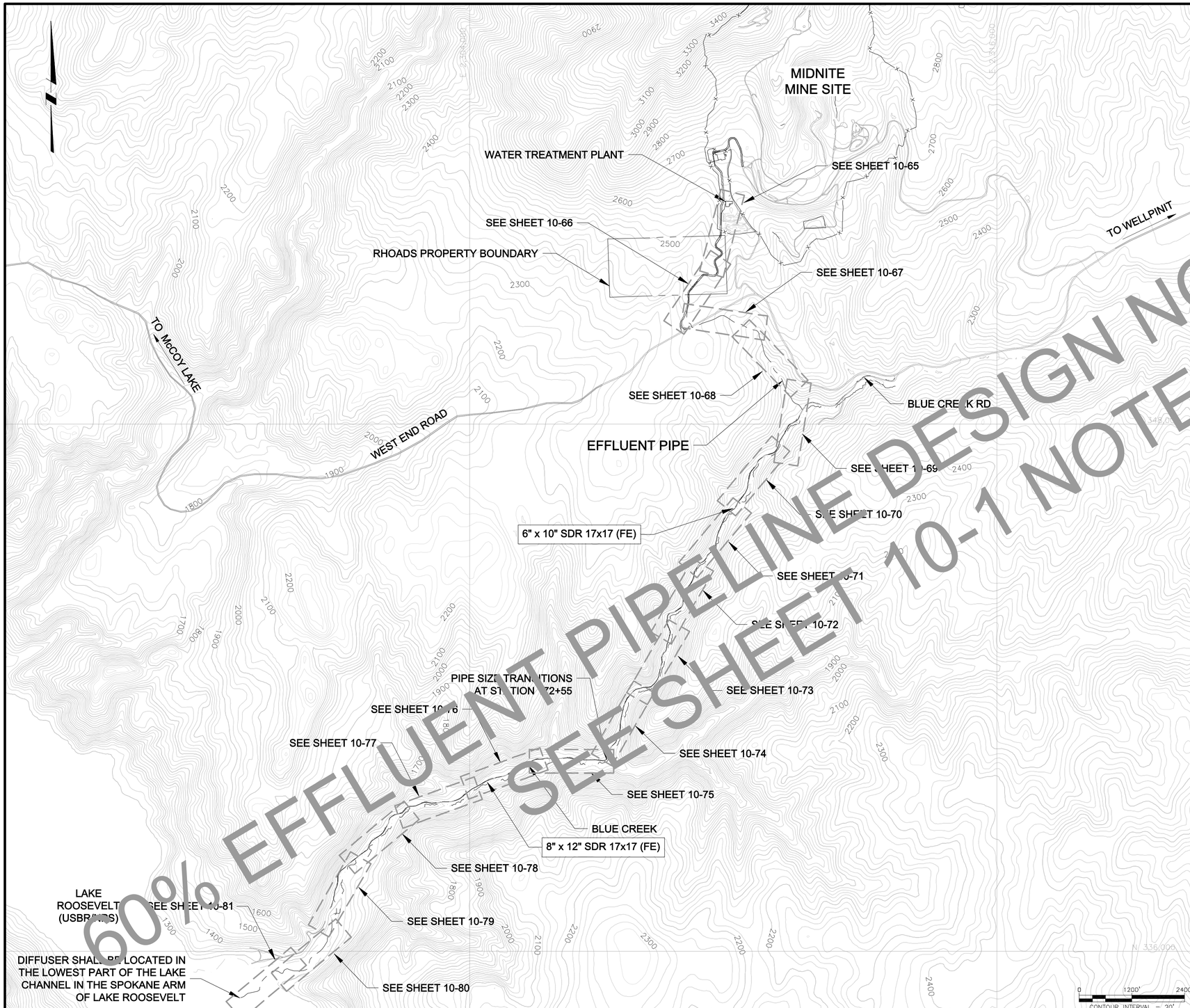
NEWMONT

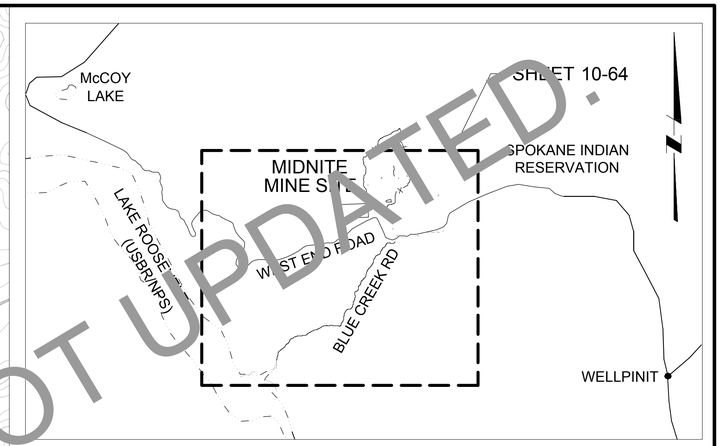
PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: OVERALL EFFLUENT PIPELINE PLAN - PERMANENT

MWH

SHEET 10-63
REVISION 1
FILE NAME 10-58
DATE DEC 2013

C:\workdir\dms01409\10-58





KEY MAP
NOT TO SCALE

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE	REV	DESCRIPTION	TECH	ENG	DATE
1		ISSUED FOR 60% DESIGN	DM	JD	12–13
0		ISSUED FOR 30% DESIGN	DM	JD	12–12

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.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: SHEET INDEX - PERMANENT WTP TO LAKE PIPELINE

MWH

SHEET: 10-64
REVISION: 1
FILE NAME: 10-59
DATE: DEC 2013

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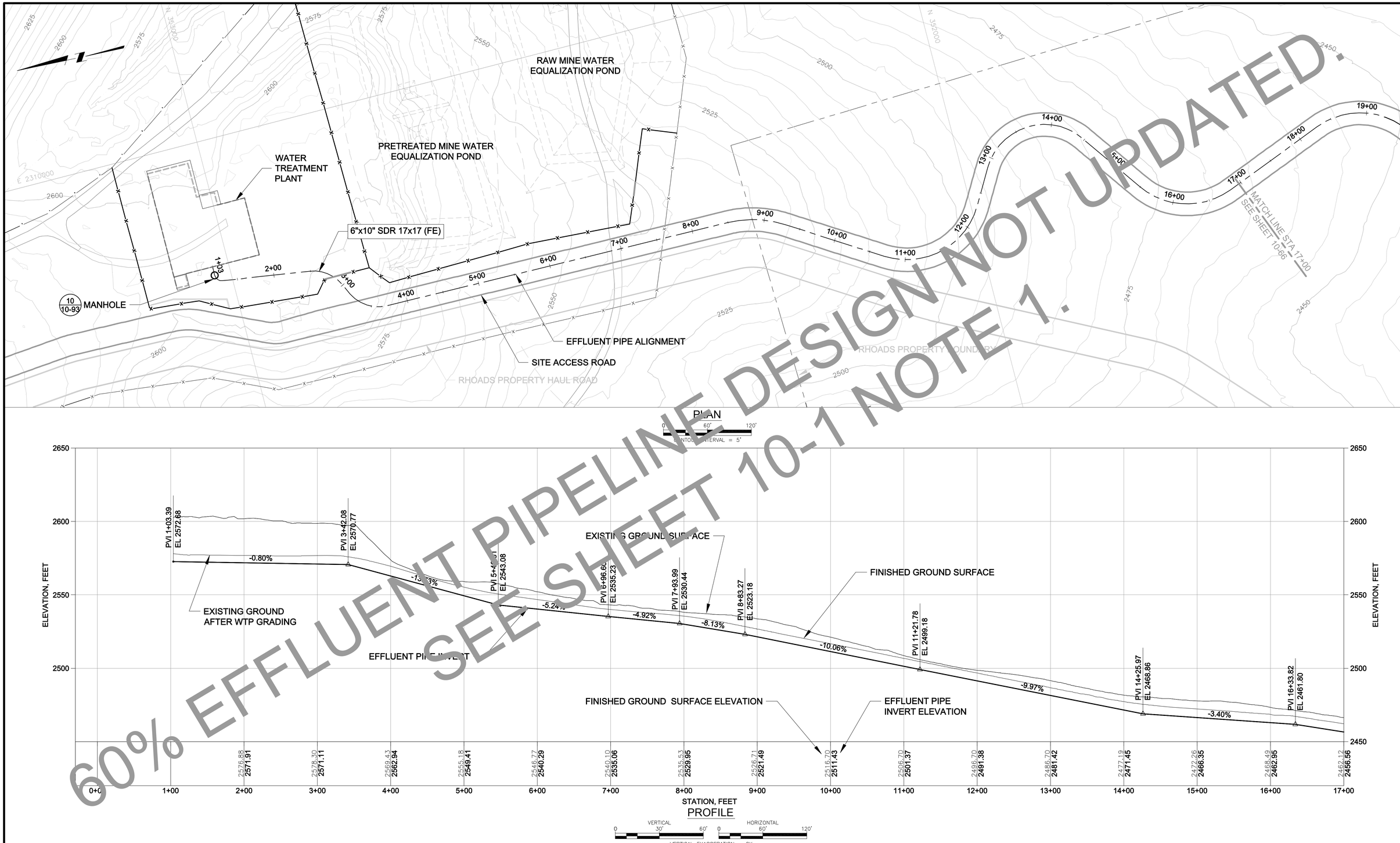

60% EFFLUENT PIPELINE DESIGN NOT UPDATED. SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
----	----	----	----	----
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 0+00 TO 17+00

MWH

SHEET 10-65 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

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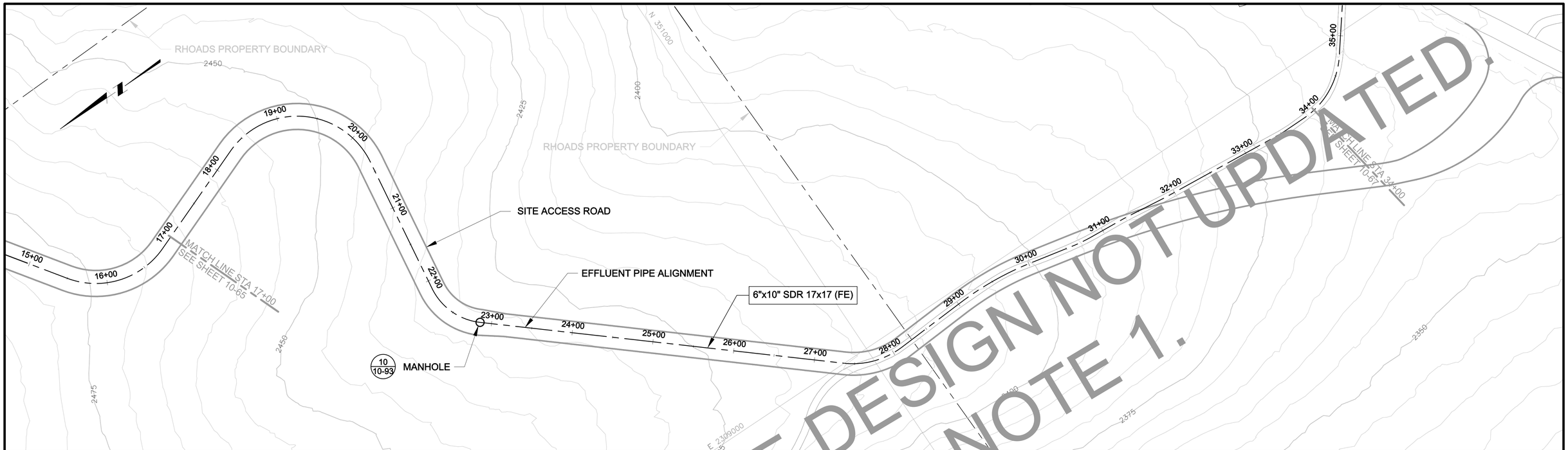
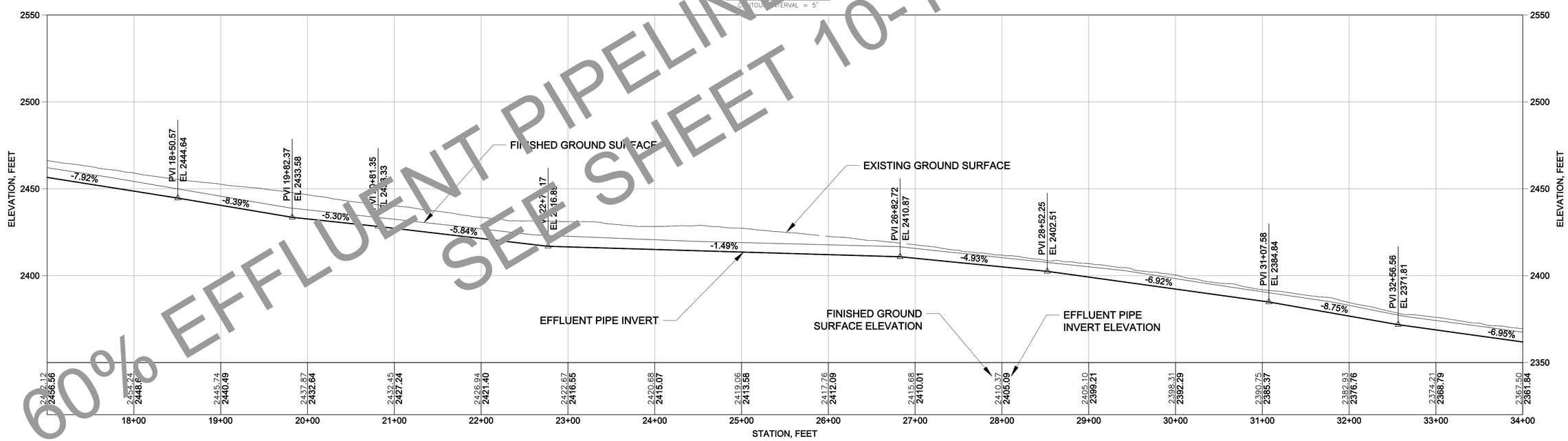


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
---	---	---	---	---
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE

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.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 17+00 TO 34+00

MWH

SHEET 10-66

REVISION 1

FILE NAME 10-60

DATE DEC 2013

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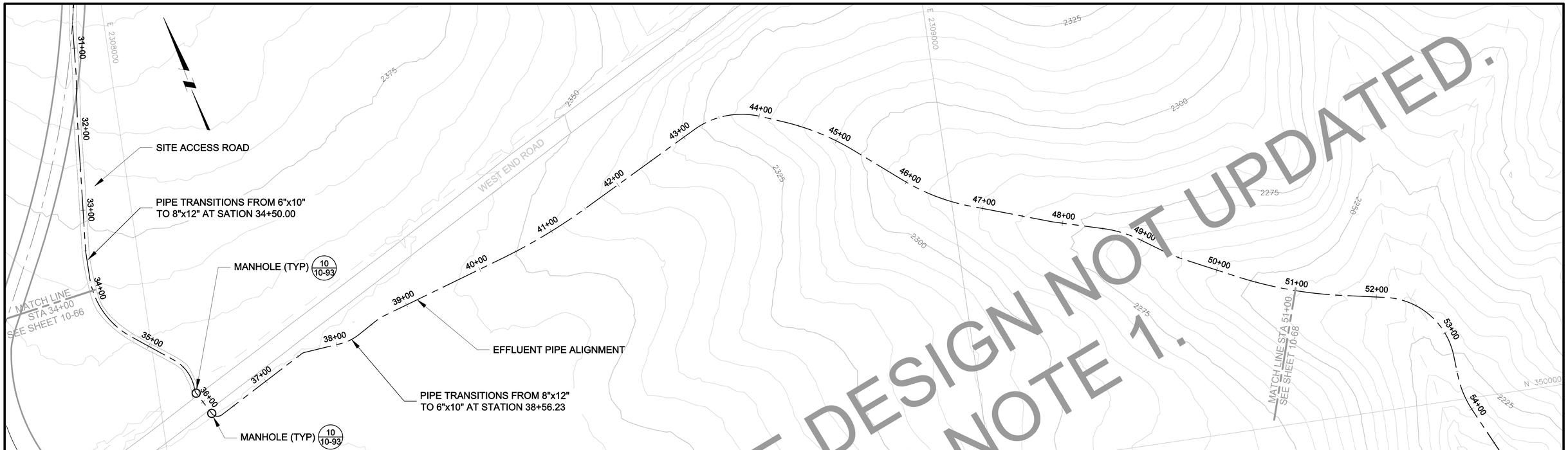
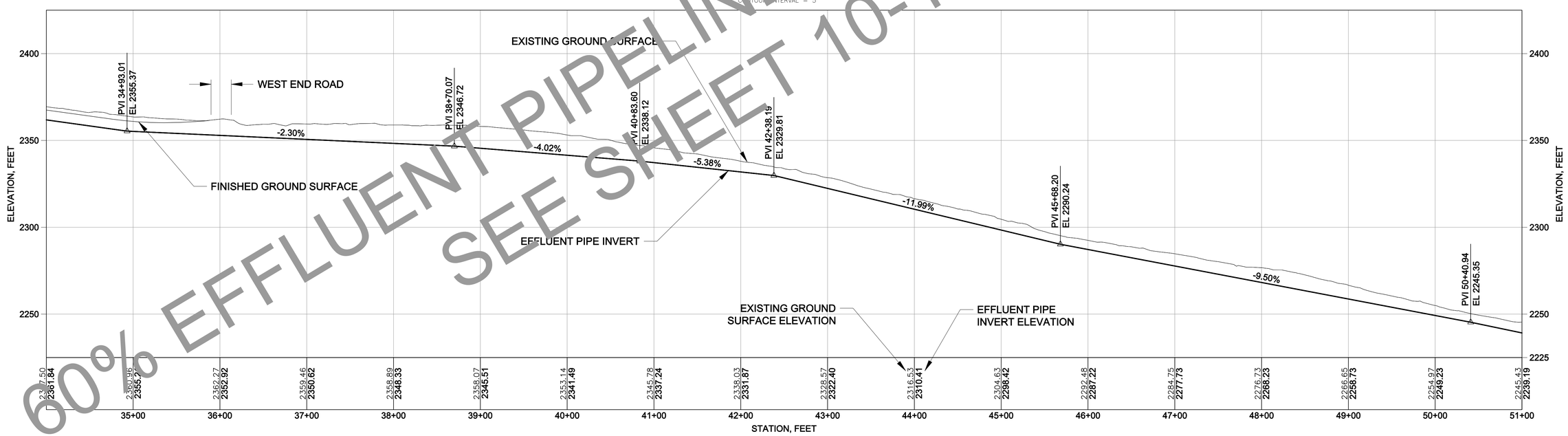


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED. SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
----	----	----	----	----
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 34+00 TO 51+00

MWH

SHEET 10-67 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

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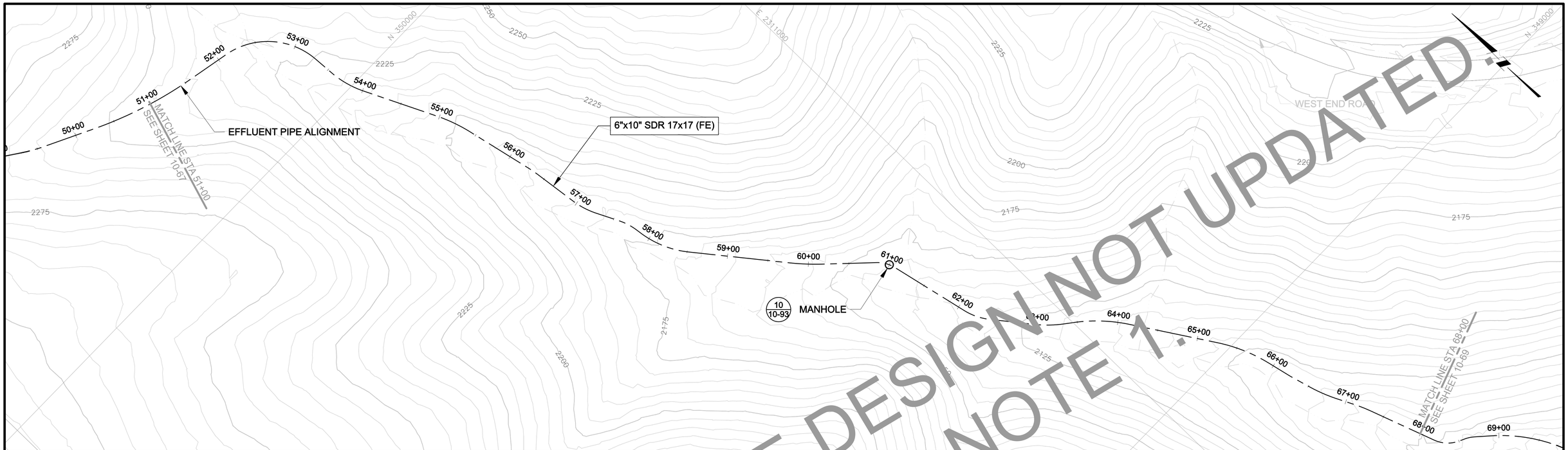
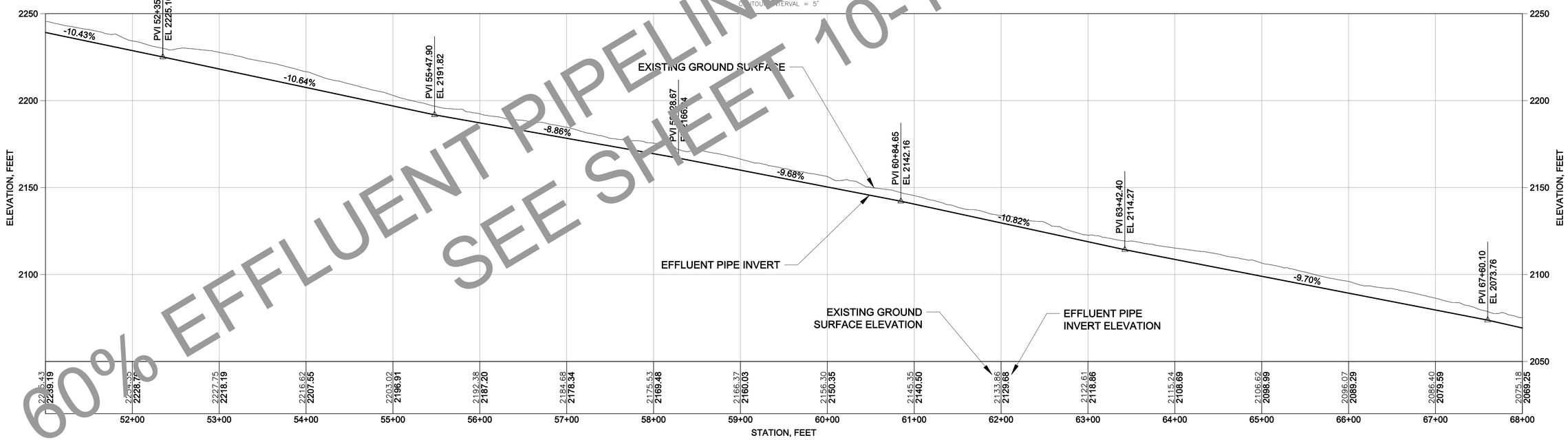


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
---	---	---	---	---
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 51+00 TO 68+00

MWH

SHEET 10-68 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

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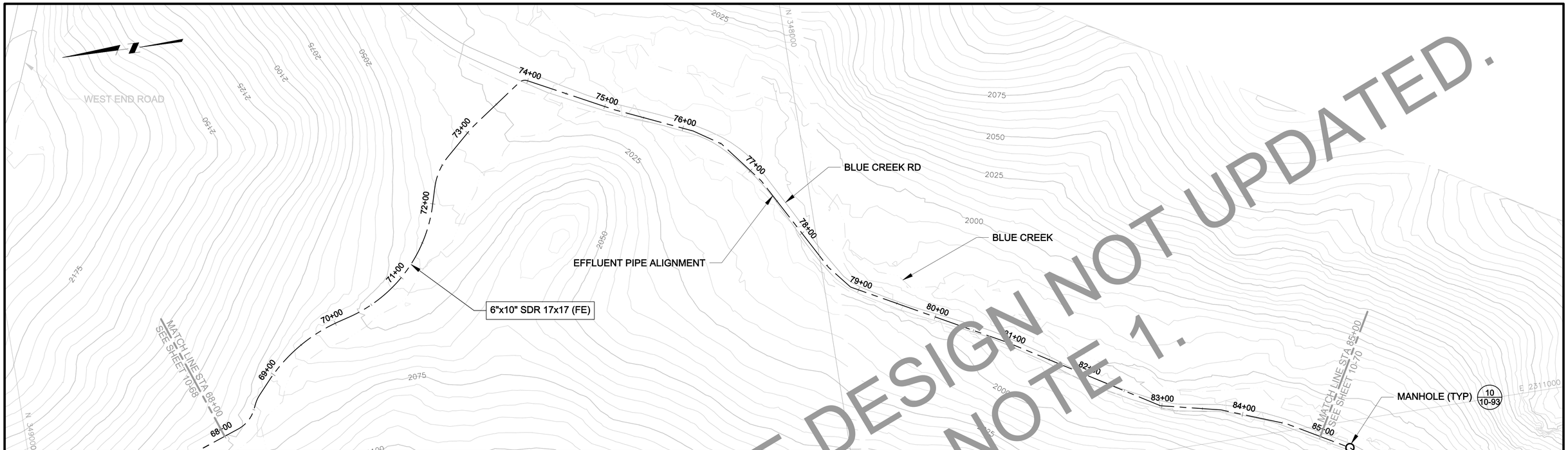
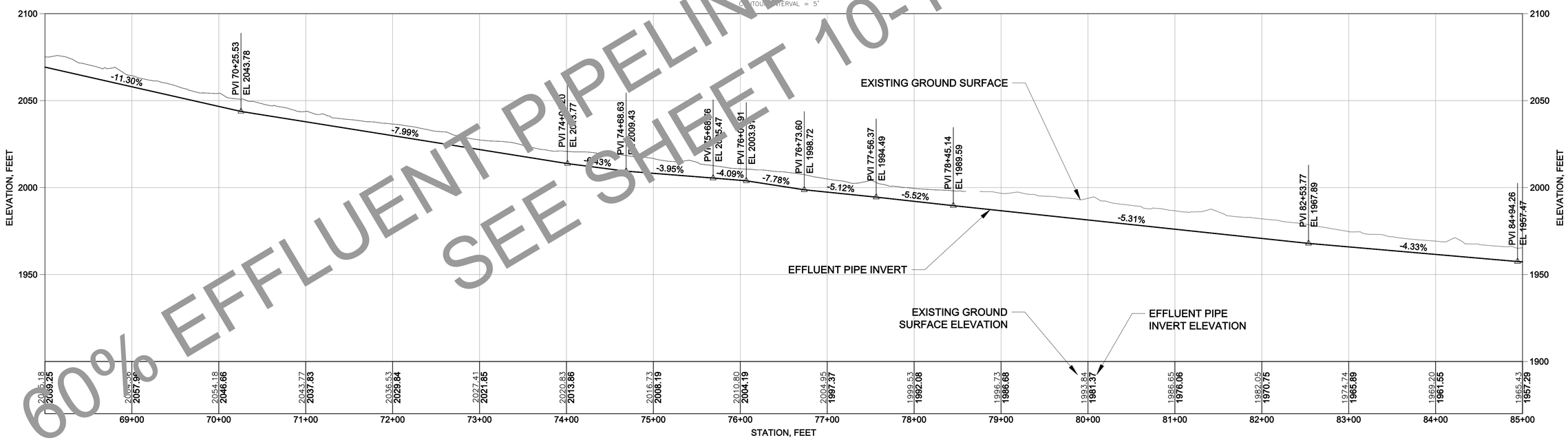


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
----	----	----	----	----
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 68+00 TO 85+00

MWH

SHEET 10-69 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

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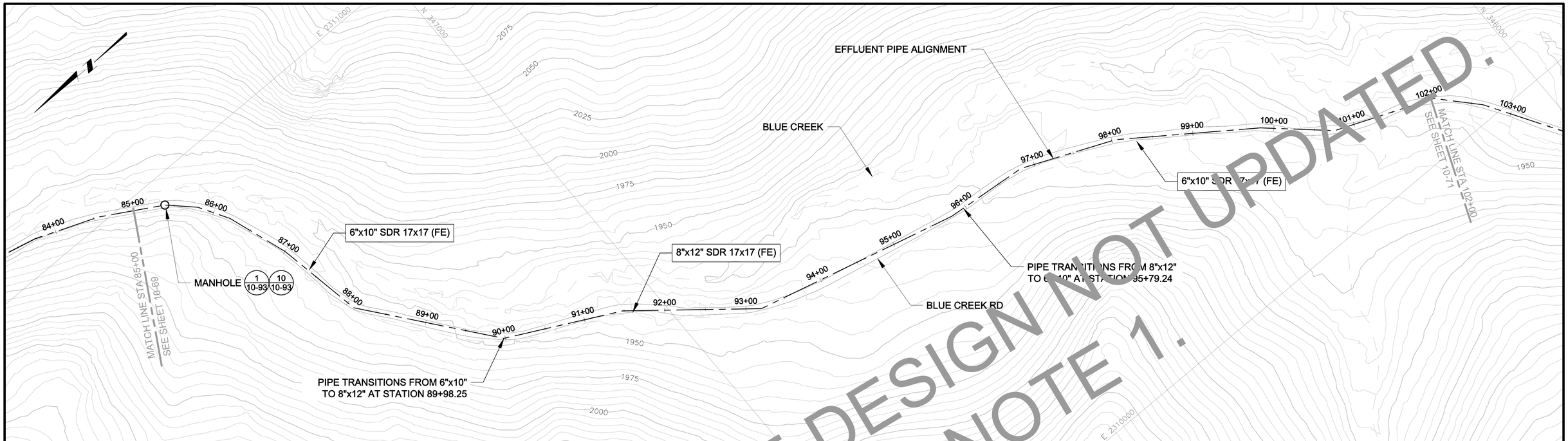
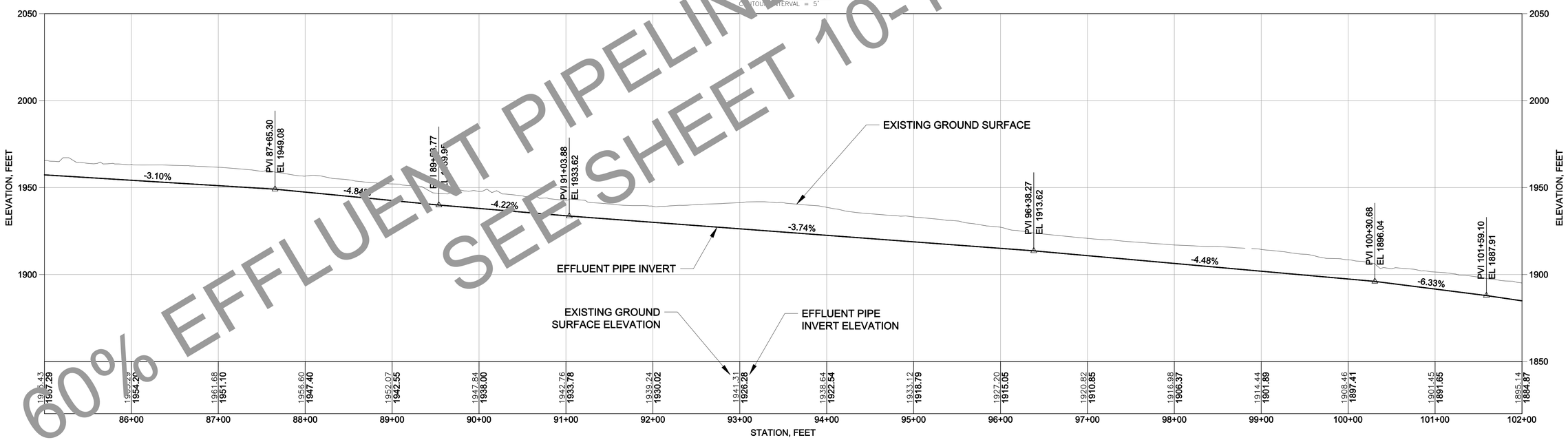


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED. SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
---	---	---	---	---
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 85+00 TO 102+00

MWH

SHEET 10-70
REVISION 1
FILE NAME 10-60
DATE DEC 2013

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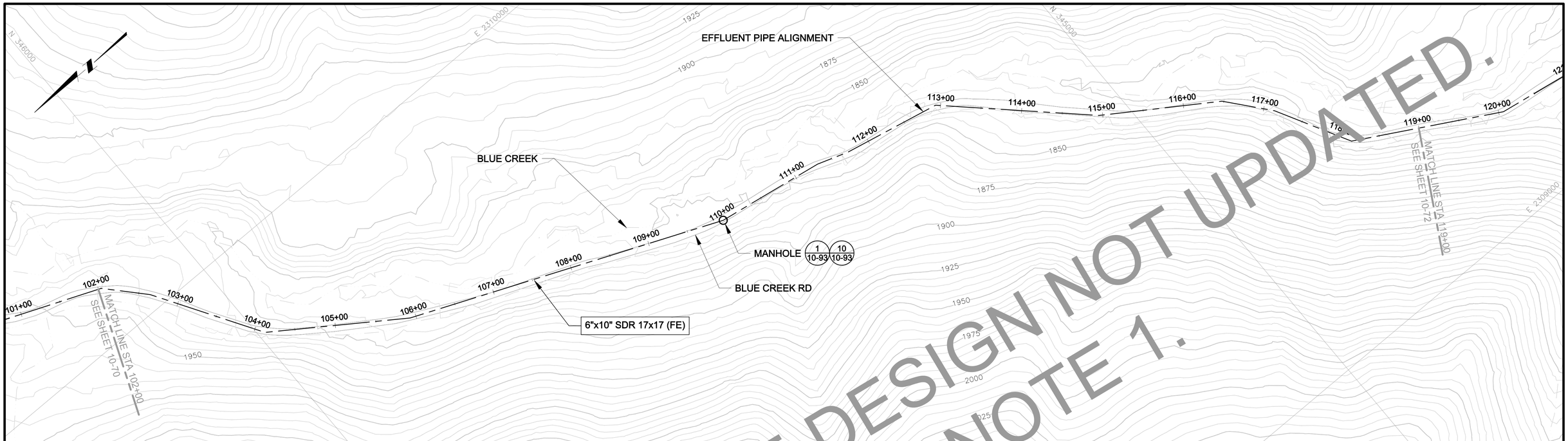
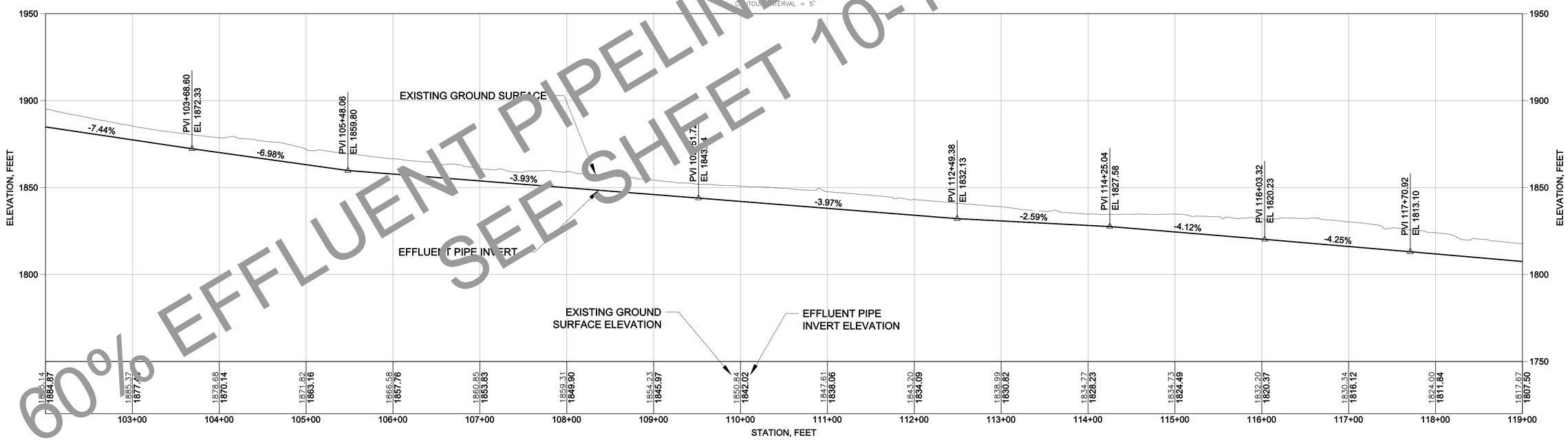


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
---	---	---	---	---
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE / REV

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.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 102+00 TO 119+00

MWH

SHEET 10-71 | REVISION 1

FILE NAME 10-60 | DATE DEC 2103

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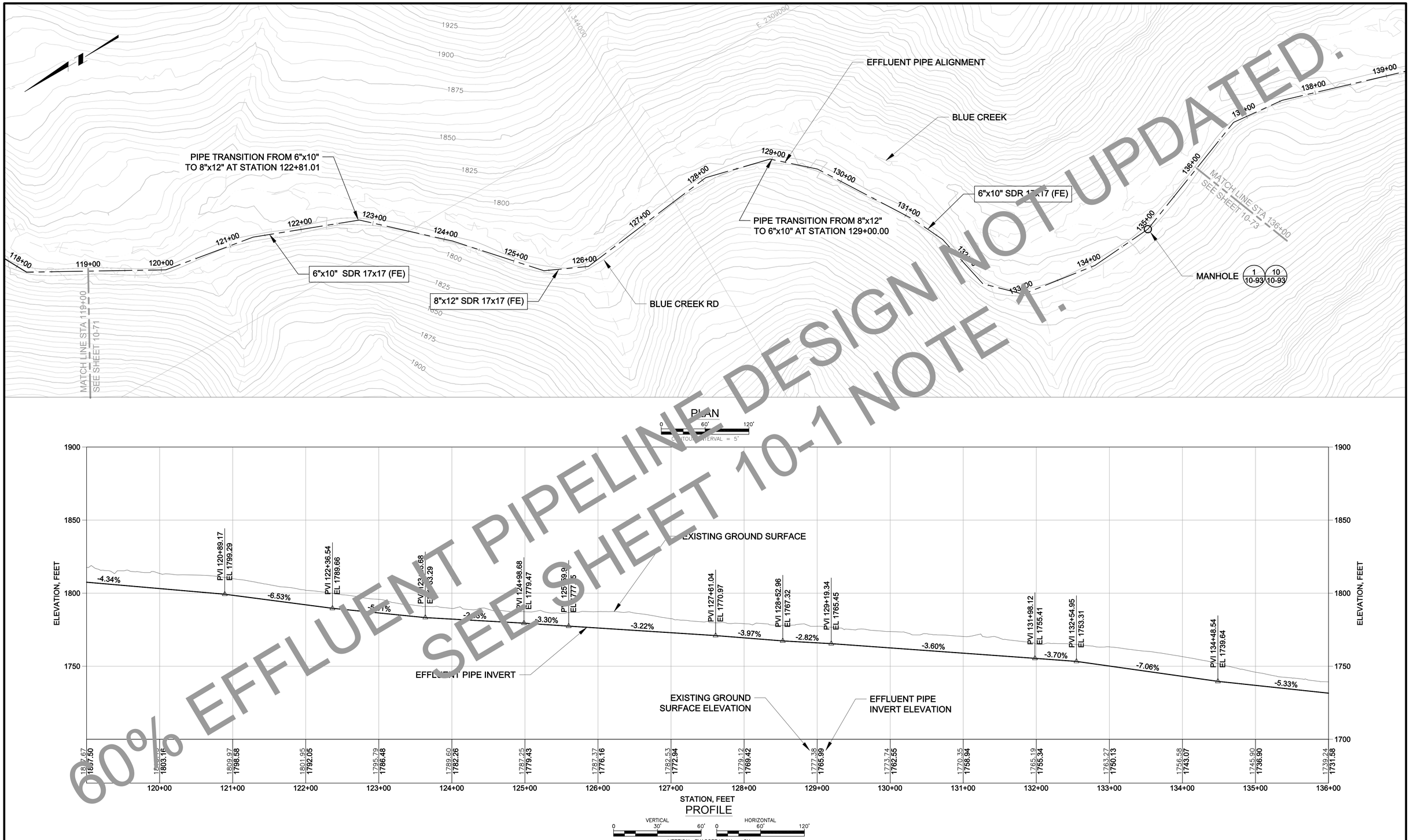

60% EFFLUENT PIPELINE DESIGN NOT UPDATED. SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
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1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 119+00 TO 136+00

MWH

SHEET 10-72 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

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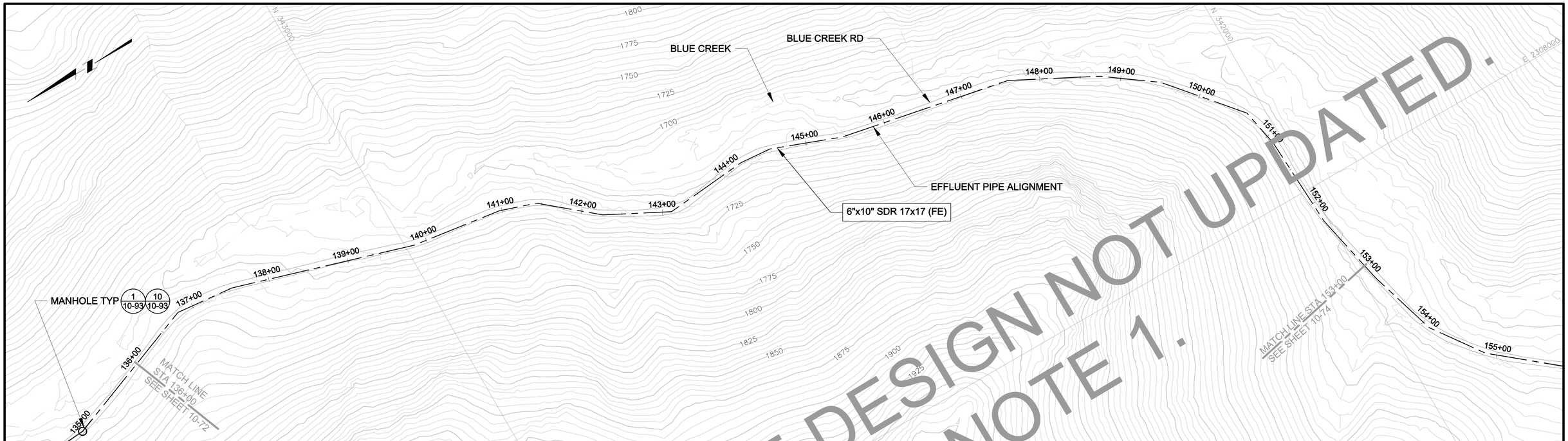
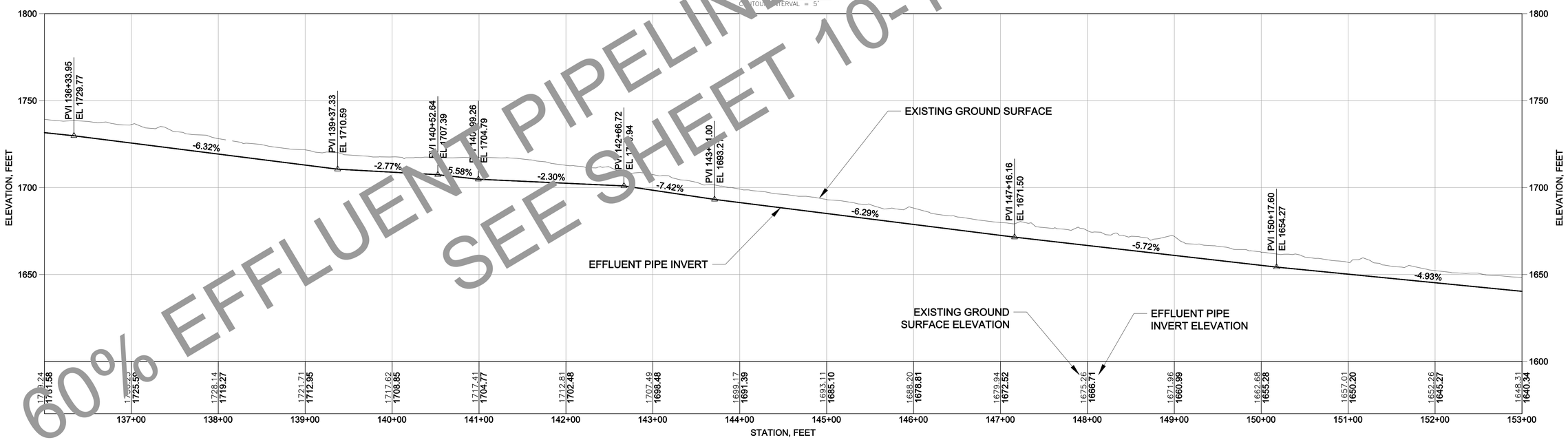


PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

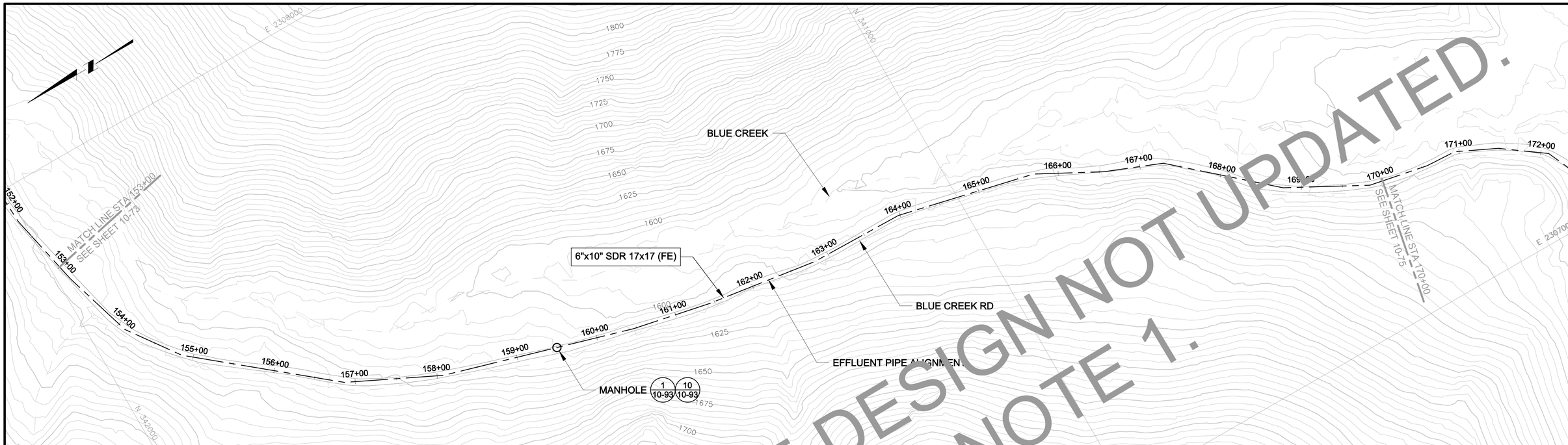
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 136+00 TO 153+00

MWH

SHEET 10-73
REVISION 1
FILE NAME 10-60
DATE DEC 2013

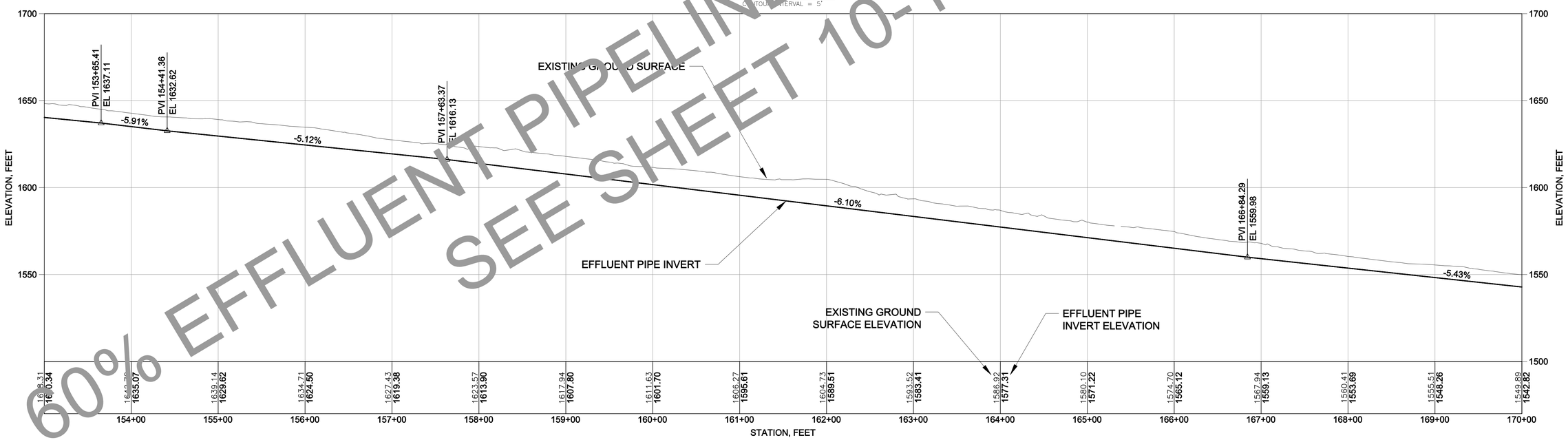
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	11–12

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	S MCMANUS	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

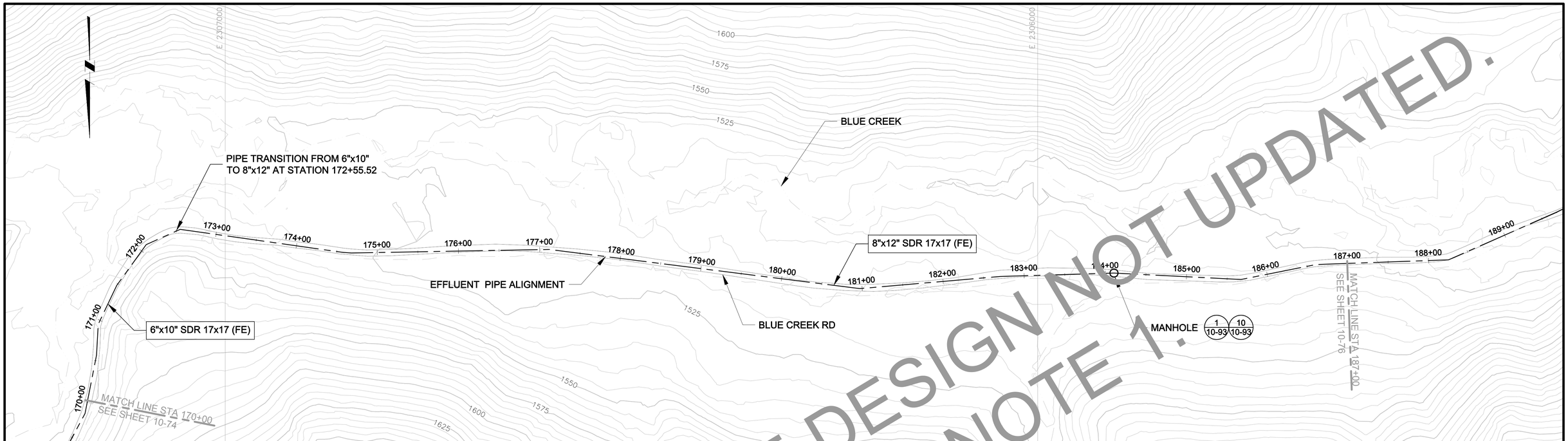
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 153+00 TO 170+00

MWH

SHEET 10-74 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

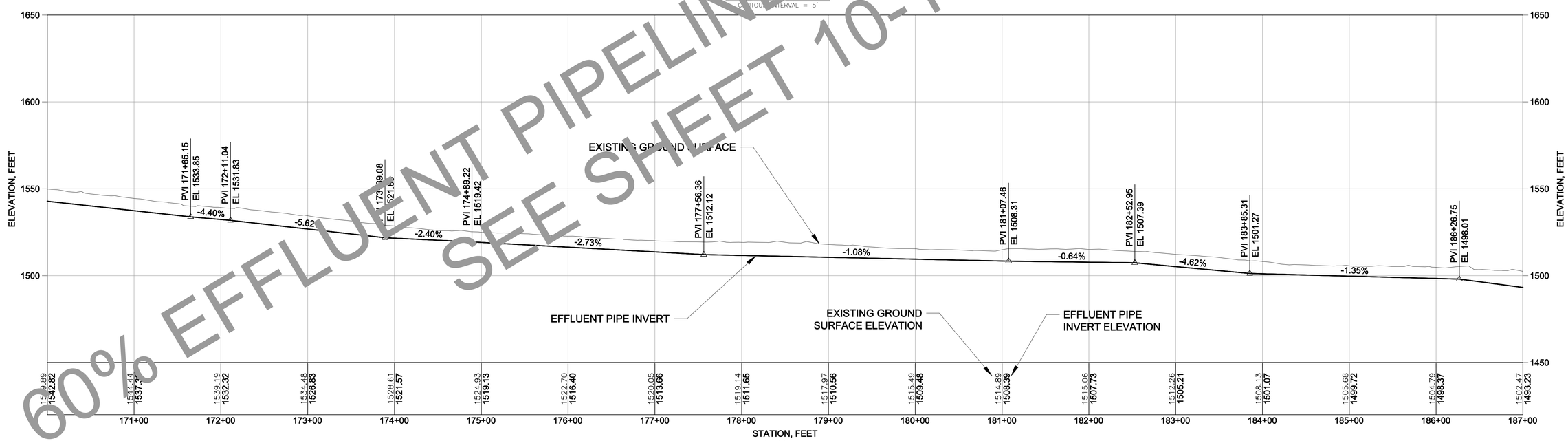
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

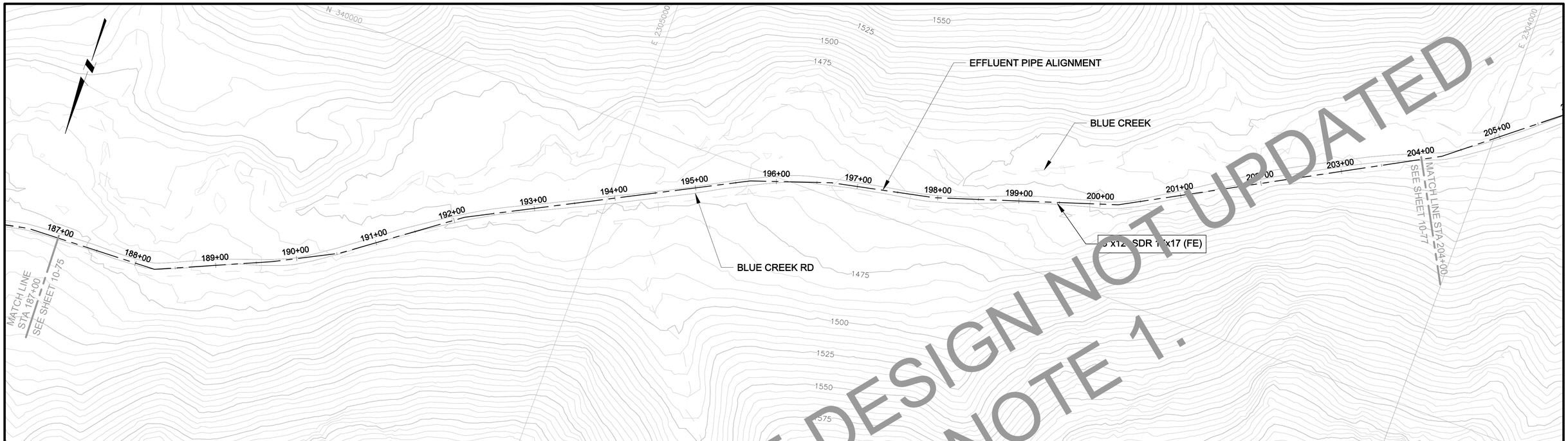
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 170+00 TO 187+00

MWH

SHEET 10-75 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

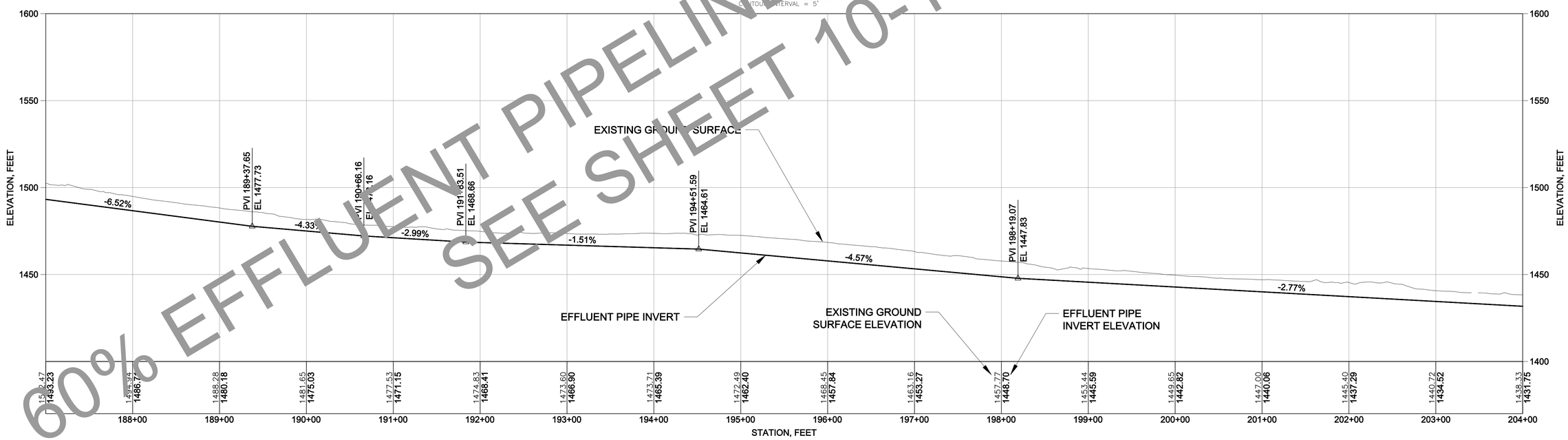
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

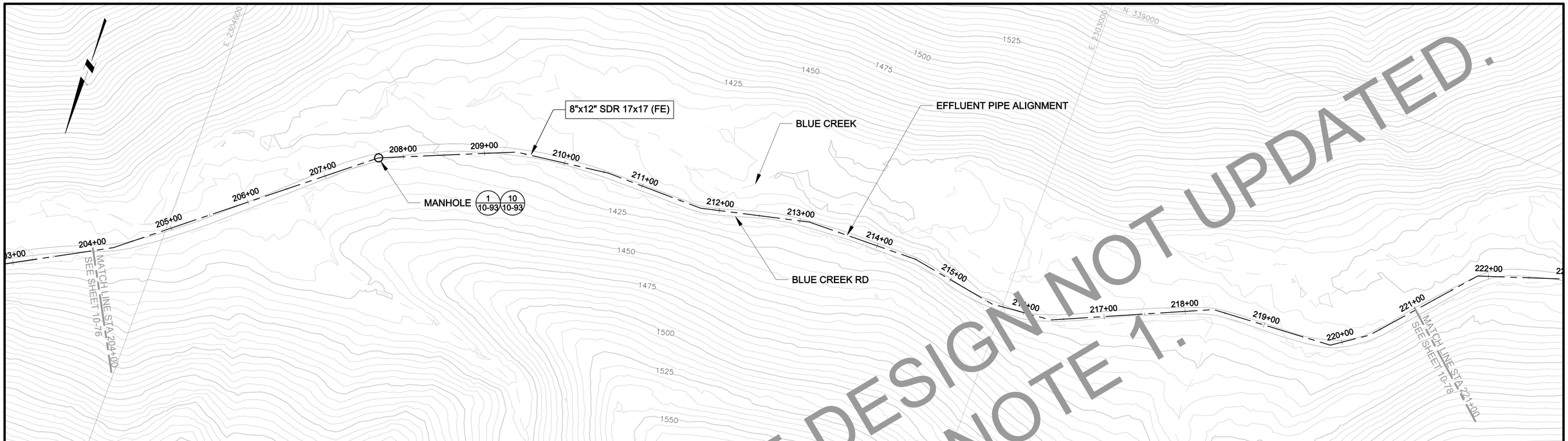
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 187+00 TO 204+00

MWH

SHEET 10-76 REVISION 1
FILE NAME 10-60 DATE DEC 2013

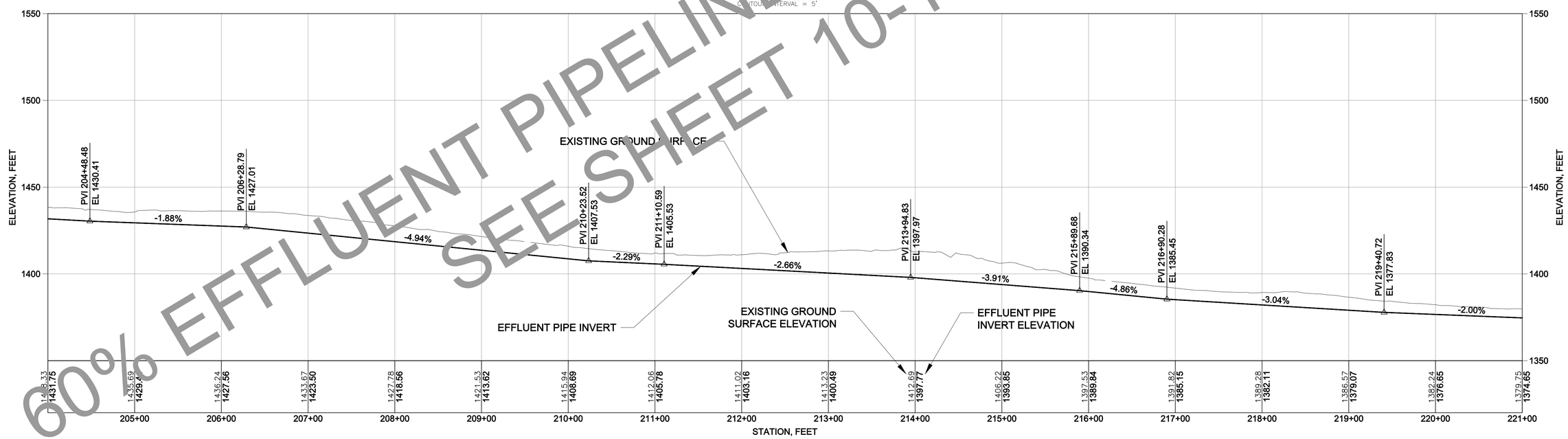
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE

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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

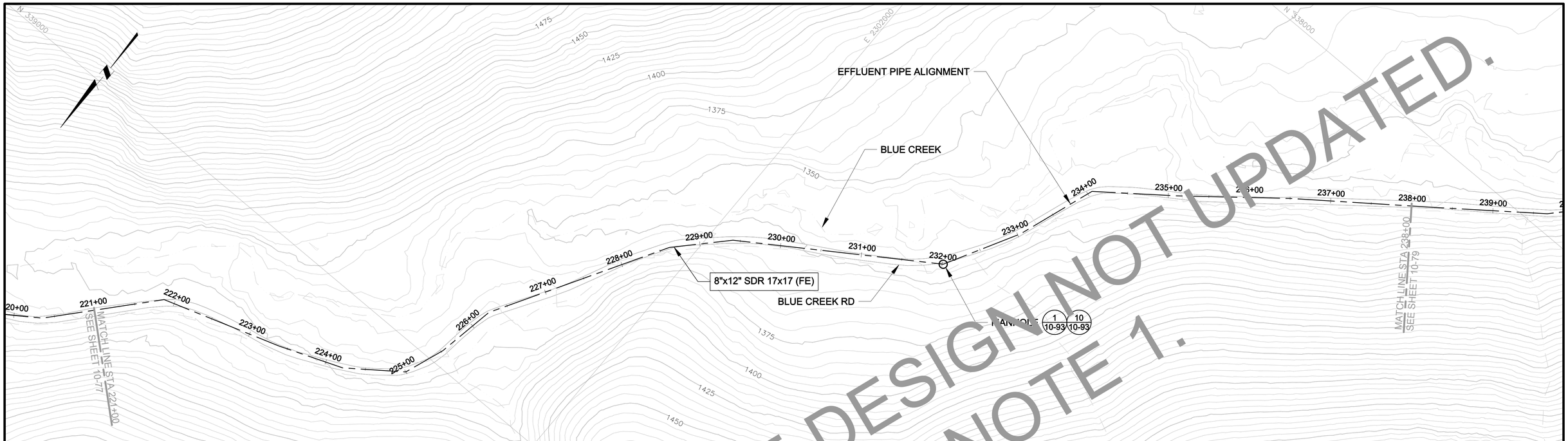
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 204+00 TO 221+00

MWH

SHEET 10-77 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

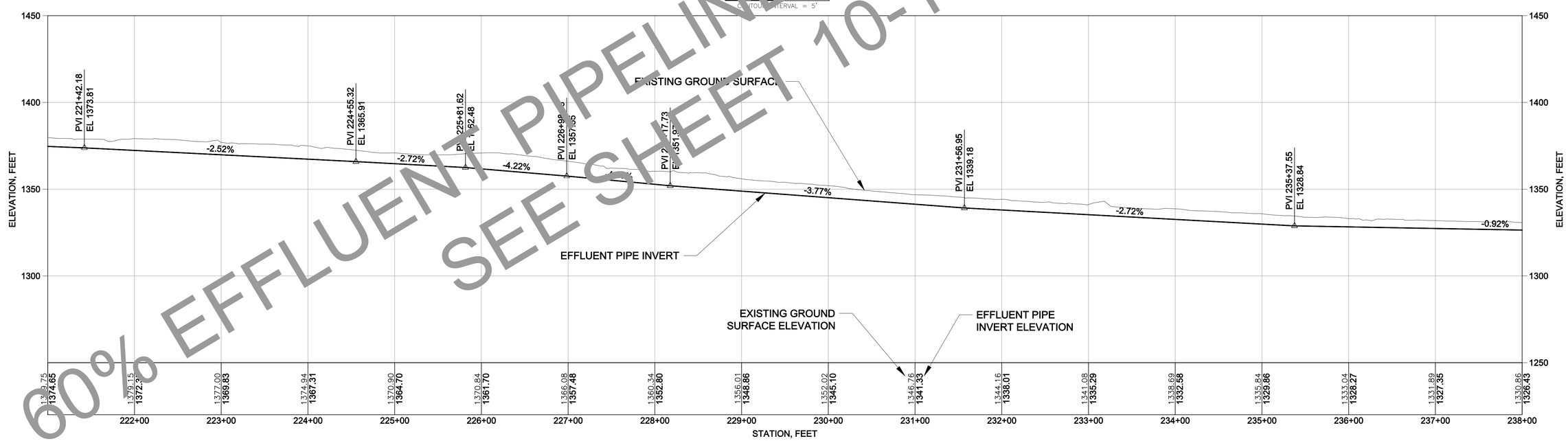
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

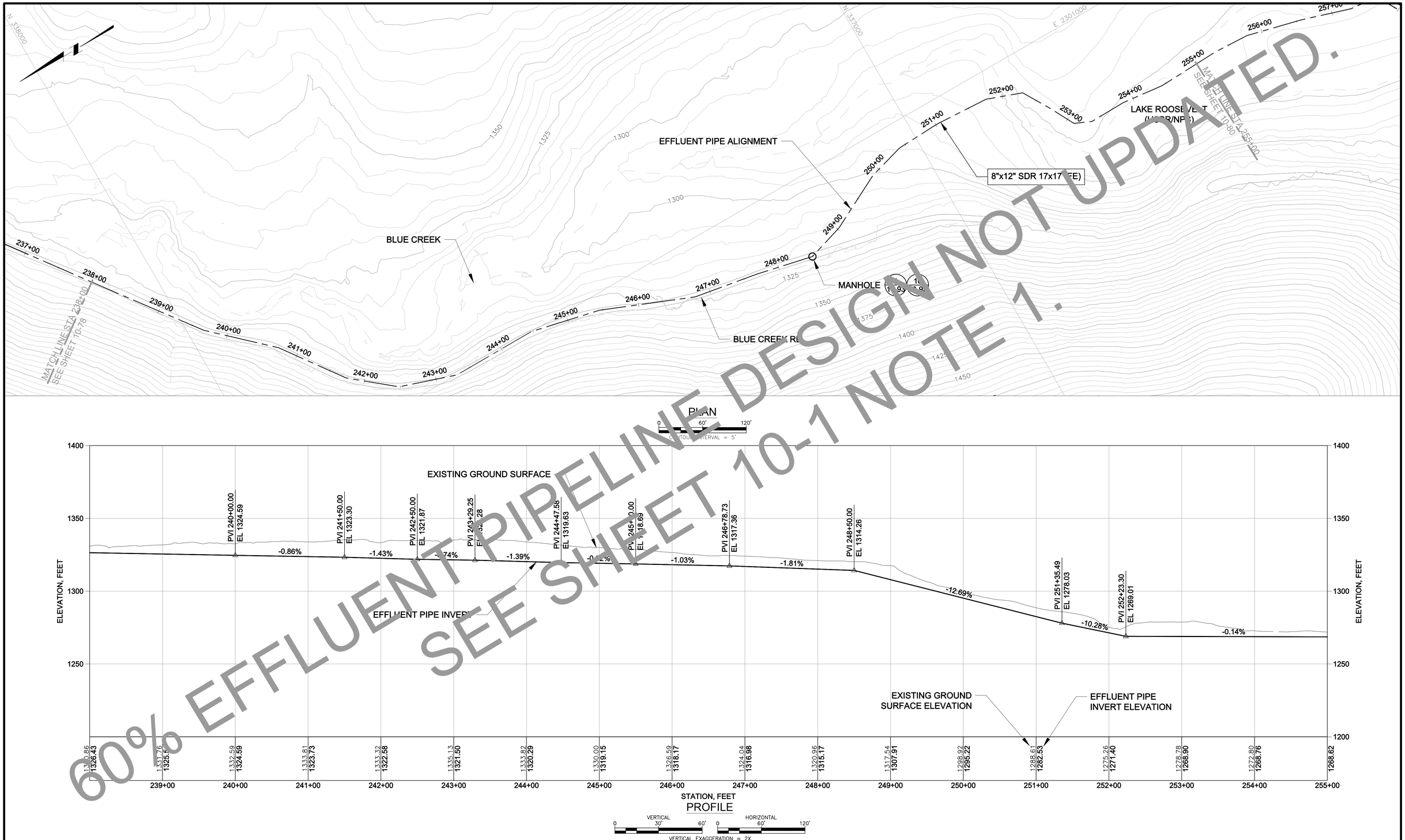
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 221+00 TO 238+00

MWH

SHEET 10-78 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

C:\workdir\dms01409\10-60



60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

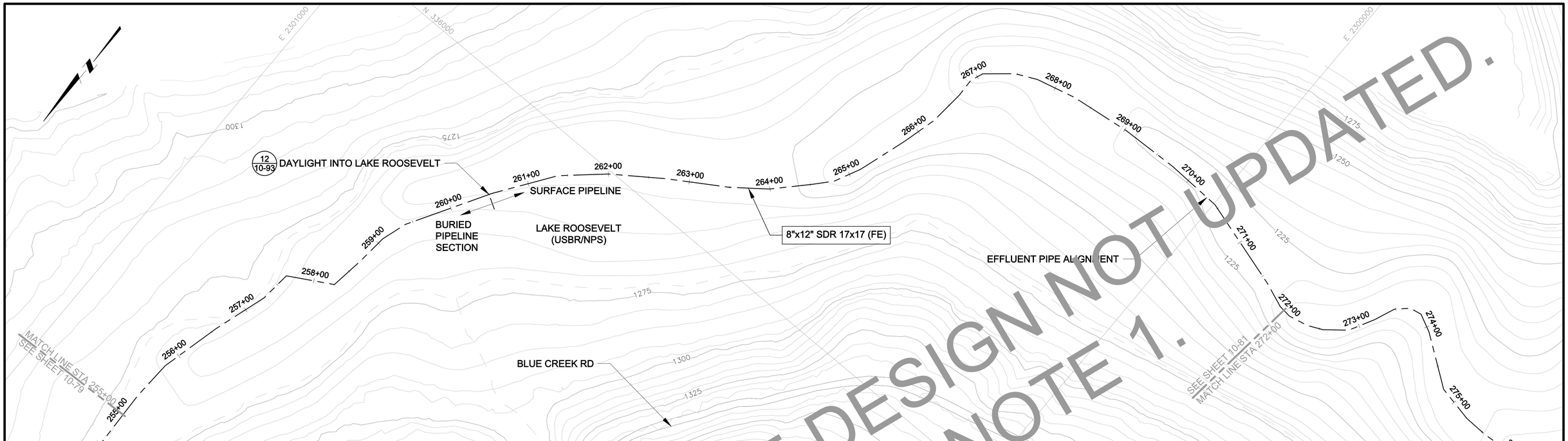
NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 238+00 TO 255+00

MWH

SHEET 10-79 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

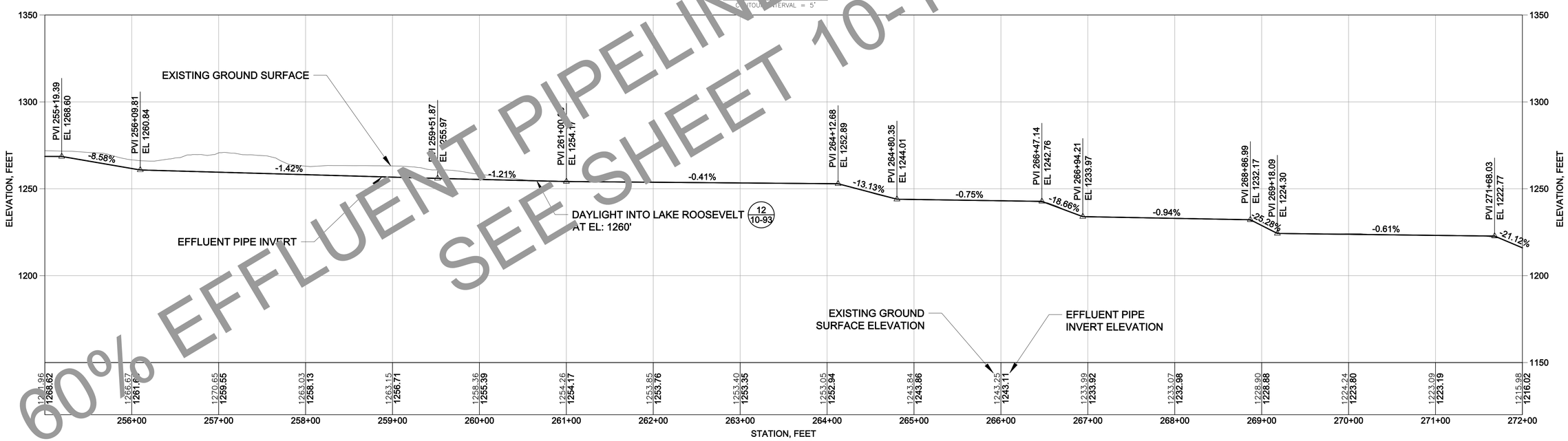
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60'

HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

ISSUE

DISCLAIMER:
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DRAWING REFERENCE(S):
- EXISTING TOPOGRAPHY BASED UPON LIDAR MAPPING BY SPATIAL INTEL, 2010. WASHINGTON STATE PLANE–NORTH, NAD83/NAVD88.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

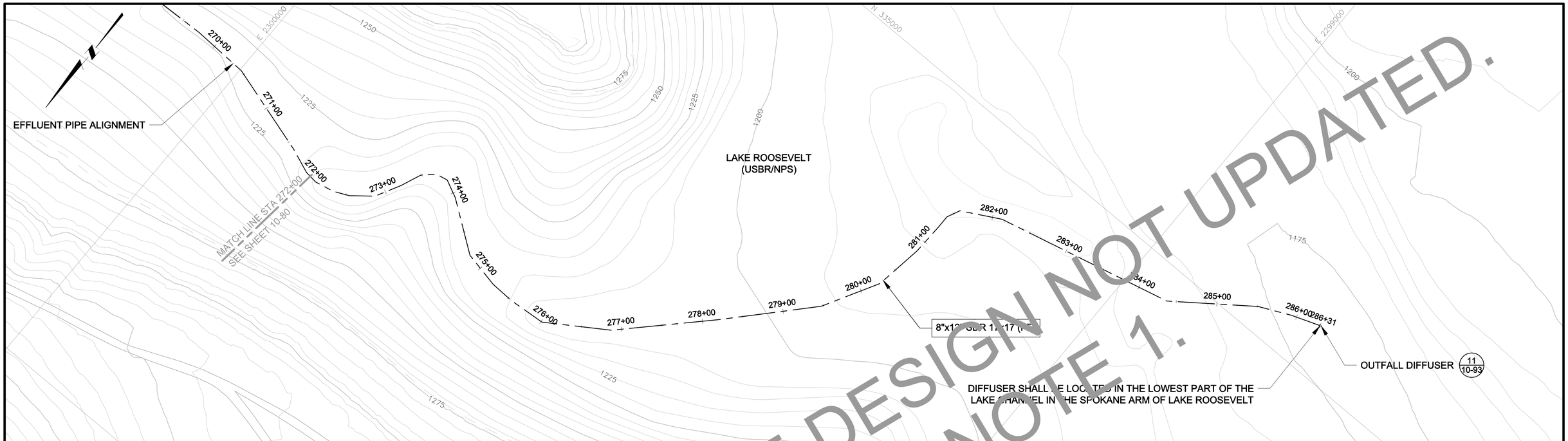
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 255+00 TO 272+00

MWH

SHEET 10-80 | REVISION 1

FILE NAME 10-60 | DATE DEC 2013

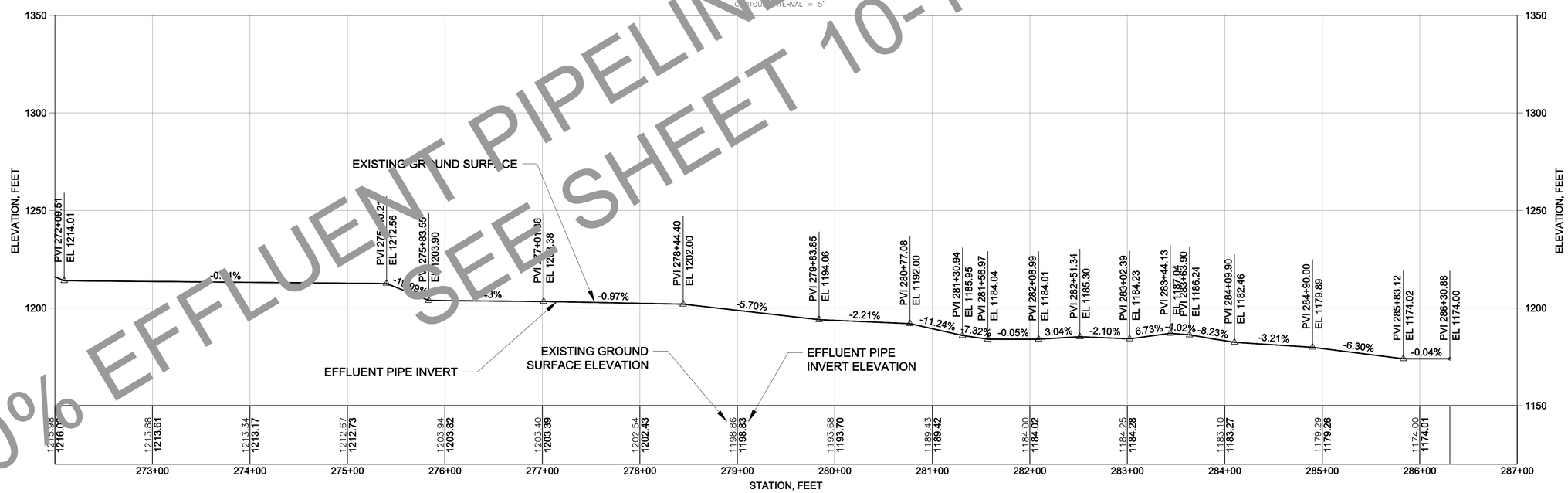
C:\workdir\dms01409\10-60



PLAN

0 60' 120'

CONTOUR INTERVAL = 5'



PROFILE

VERTICAL 0 30' 60' HORIZONTAL 0 60' 120'

VERTICAL EXAGGERATION = 2X

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-1 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: EFFLUENT PIPELINE PLAN AND PROFILE STATION 272+00 TO END

MWH

SHEET 10-81 | REVISION 1
FILE NAME 10-60 | DATE DEC 2013

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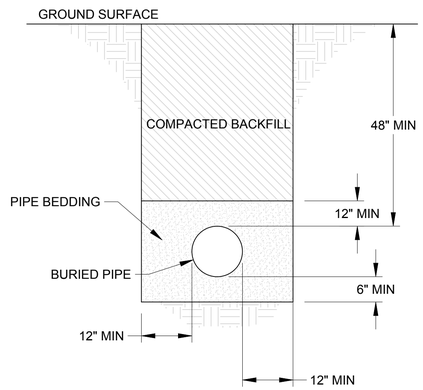
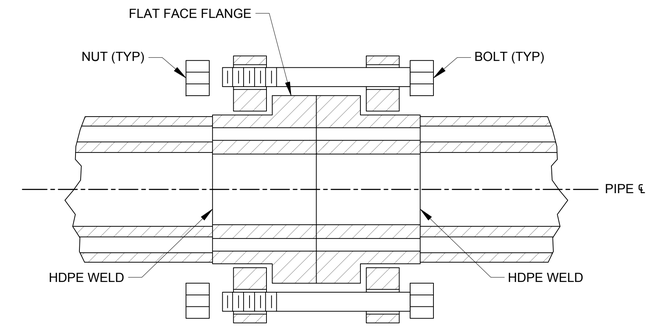


NOTE:

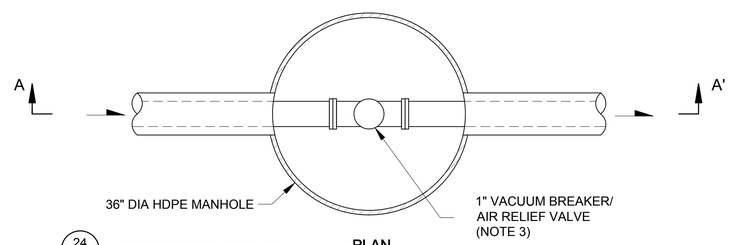
1. PIPE BURIAL PER THIS DETAIL APPLIES TO BURIED PIPELINES SHOWN IN SECTION 10.

1 / 10-82 TRENCH AND PIPE BURIAL TYPICAL SECTION
NOT TO SCALE

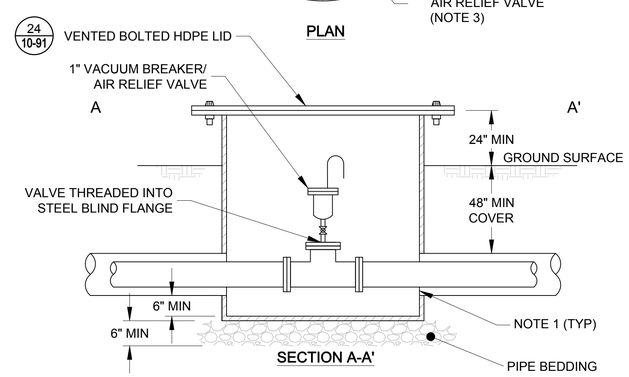


PLAN

2 / 10-82 DUAL CONTAINED PIPE FLANGE DETAIL
NOT TO SCALE



PLAN



SECTION A-A'

NOTES:

1. ANNULUS OF DUAL PIPE SHALL ALLOW FLOW TO ENTER THE VALVE BOX.
2. SEE PLAN AND PROFILE FOR PIPE SIZE.
3. VACUUM BREAKER/AIR RELIEF VALVE NOT SHOWN IN PLAN VIEW FOR CLARITY.

3 / 10-82 AIR/VACUUM RELIEF VALVE BOX DETAIL
NOT TO SCALE

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 1 OF 12)

MWH

SHEET: 10-82
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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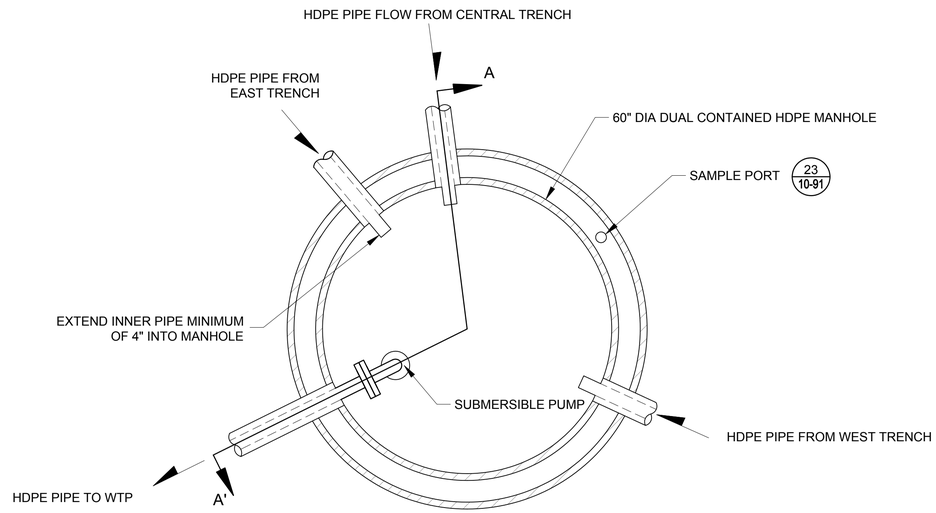
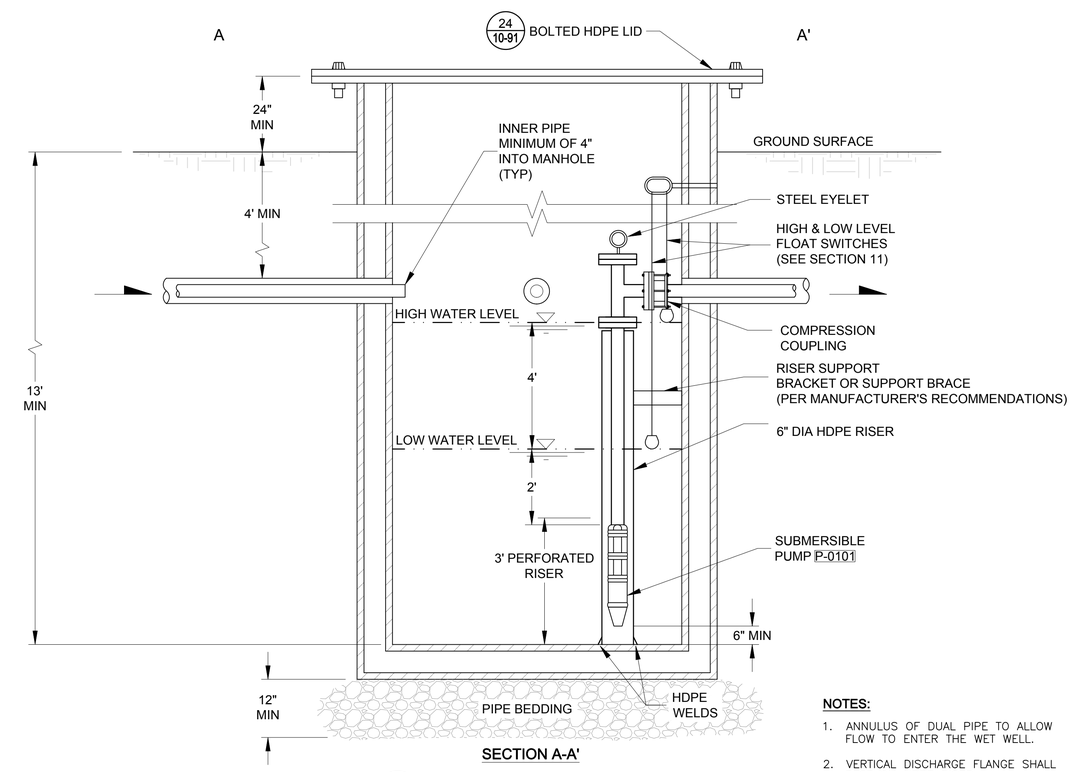


PLAN



SECTION A-A'

4
10-83
TRENCHES WET WELL DETAIL
NOT TO SCALE

NOTES:

1. ANNULUS OF DUAL PIPE TO ALLOW FLOW TO ENTER THE WET WELL.
2. VERTICAL DISCHARGE FLANGE SHALL REST ON HDPE RISER.

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	JD	07–14

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PROJECT MANAGER	V DRAIN	06–15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 2 OF 12)

MWH

SHEET: 10-83
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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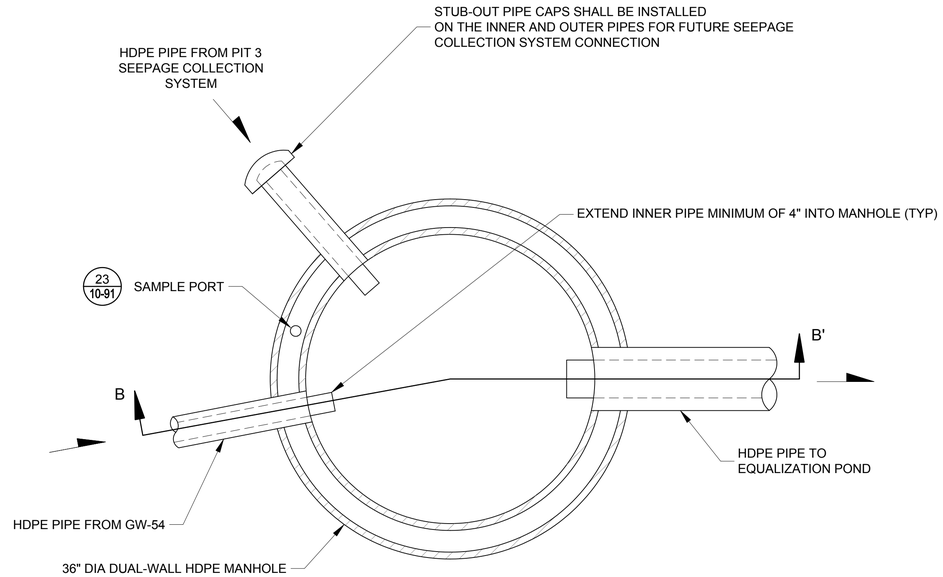
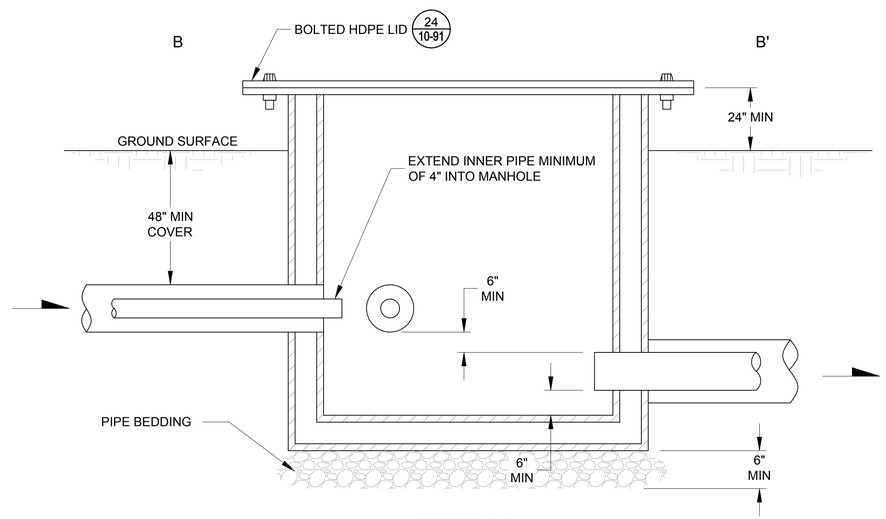


PLAN



SECTION B-B'

NOTES:

1. ANNULUS OF DUAL PIPES TO ALLOW FLOW INTO THE WET WELL.
2. OUTER WALL OF OUTLET PIPE WILL TERMINATE AT THE INNER WALL OF THE WET WELL.

5 / 10-84 GW-54 WET WELL DETAIL

NOT TO SCALE

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3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	JD	07–14

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NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 3 OF 12)

MWH

SHEET: 10-84 | REVISION: 3

FILE NAME: 10-77 | DATE: JUNE 2015

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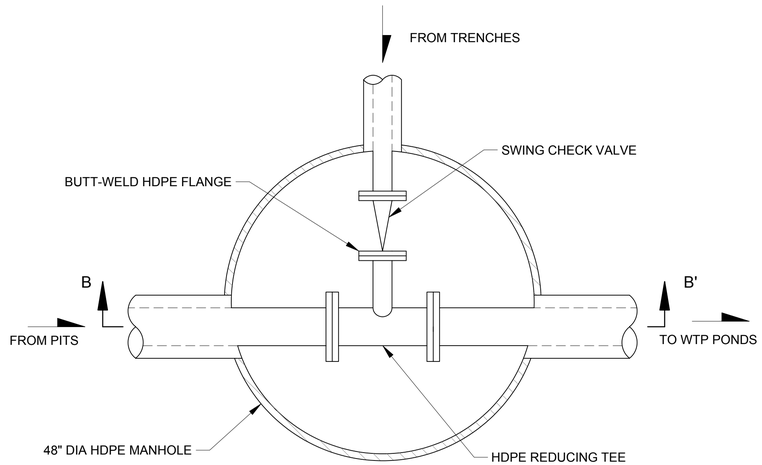
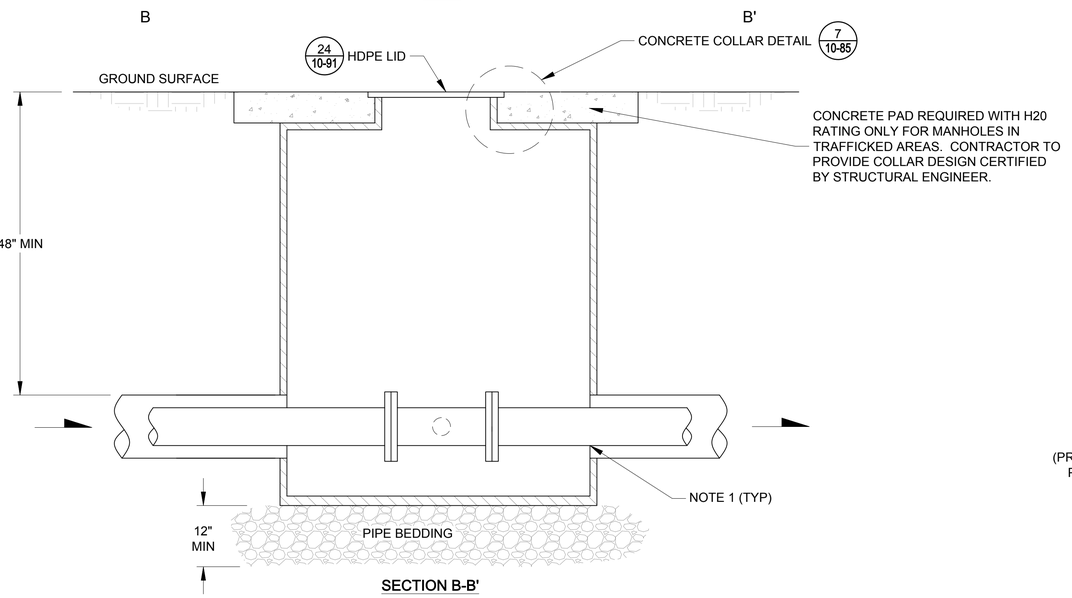


PLAN

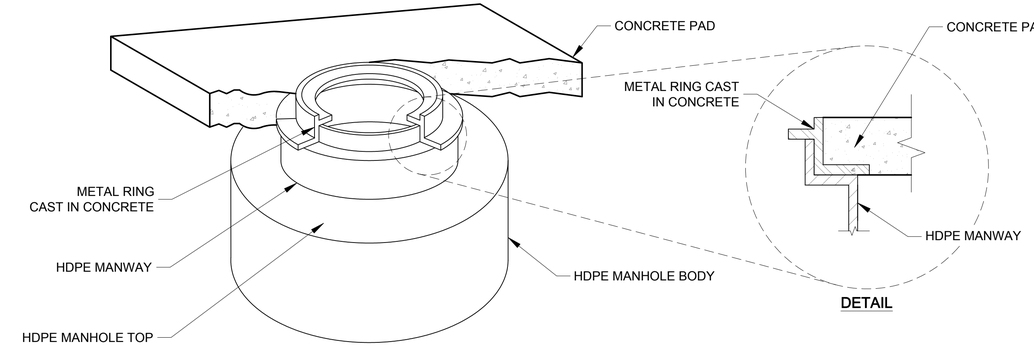


SECTION B-B'

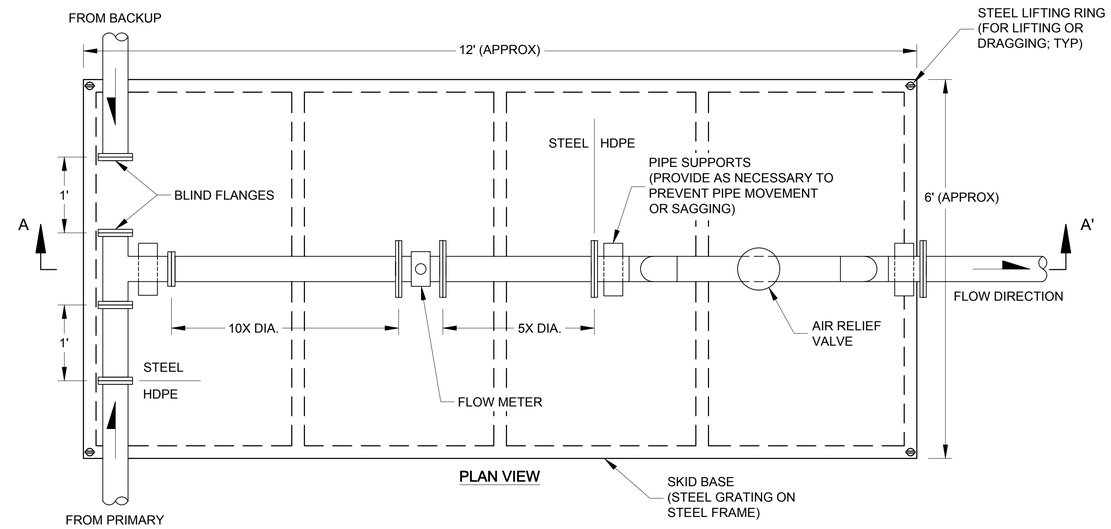
NOTES:

1. ANNULAR SPACE OF DUAL PIPE TO ALLOW FLOW INTO THE VAULT.
2. CHECK VALVE WILL HAVE PRESSURE RATING EQUIVALENT TO OR GREATER THAN ADJACENT PIPE.

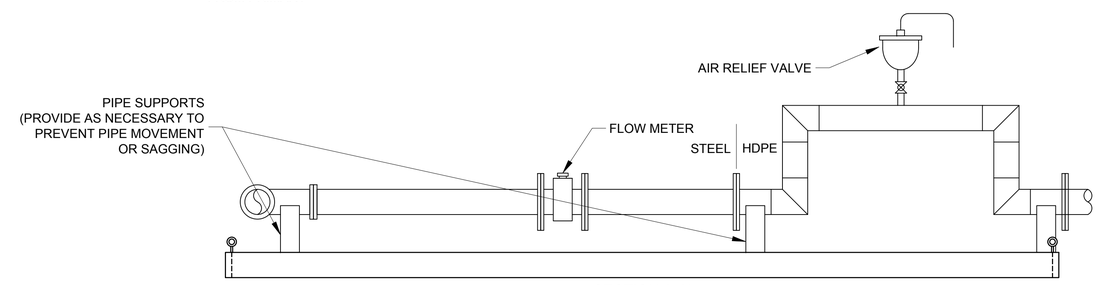
6 10-85 TRENCH TO INFLUENT MAIN DETAIL
NOT TO SCALE



7 10-85 CONCRETE COLLAR DETAIL
NOT TO SCALE



PLAN VIEW



SECTION A-A'

NOTES:

1. FLOW METER AND FITTING WILL HAVE PRESSURE RATING EQUIVALENT TO OR GREATER THAN ADJACENT PIPE.
2. FOR PIPE SIZES SEE PLAN SHEETS.

8 10-85 TYPICAL TEMPORARY FLOW METER BOX DETAIL
NOT TO SCALE

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	JD	07–14

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GENERAL NOTES:

1. ALL PIPES SHALL BE FUSE WELDED HDPE, UNLESS OTHERWISE STATED.
2. ALL FLANGES SHALL BE HDPE UNLESS OTHERWISE STATED.

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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 4 OF 12)

MWH

SHEET: 10-85
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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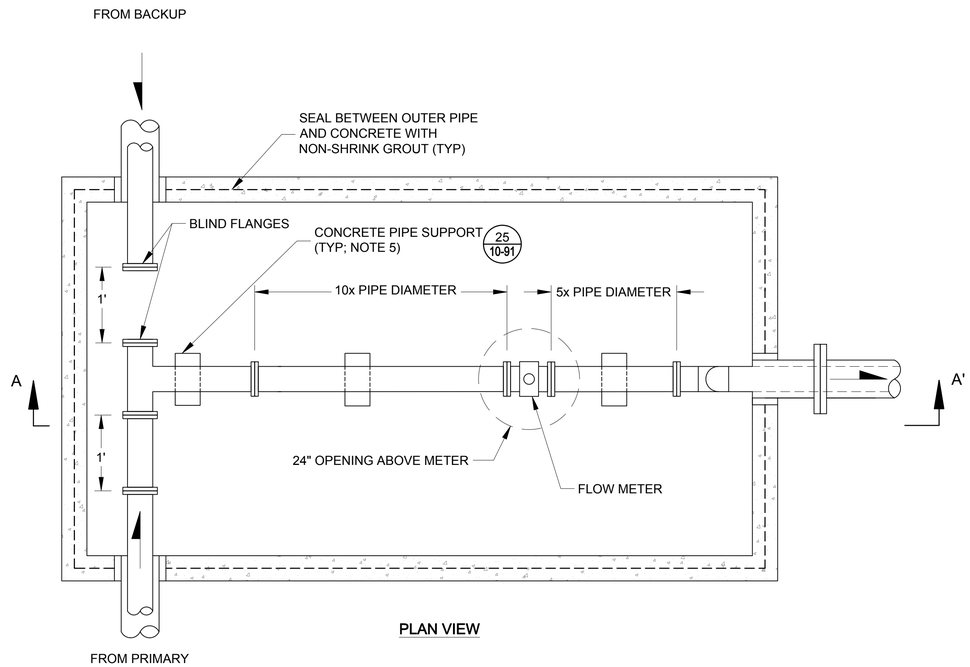
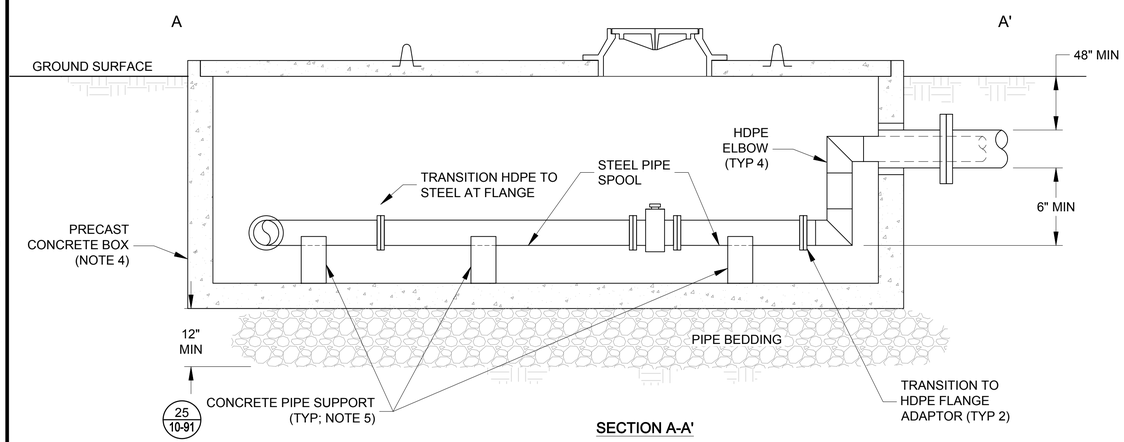


PLAN VIEW

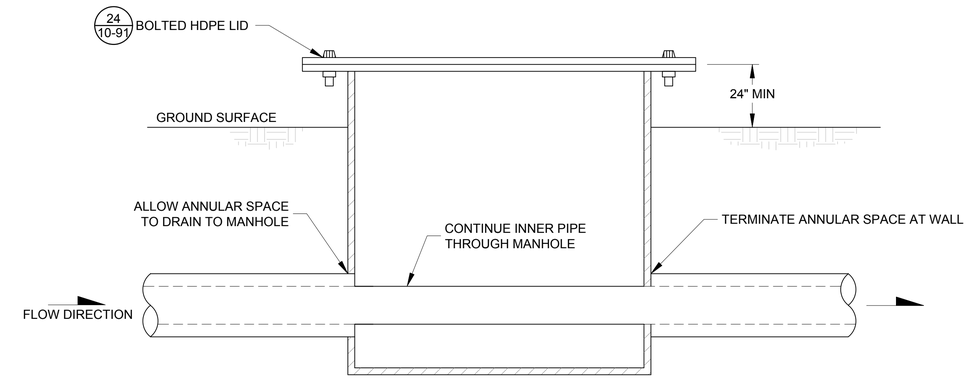


SECTION A-A'

NOTES:

1. ANNULAR SPACE OF DUAL CONTAINED PIPE TO ALLOW FLOW INTO VAULT.
2. FLOW METER AND FITTING WILL HAVE PRESSURE RATING EQUIVALENT TO OR GREATER THAN ADJACENT PIPE.
3. FOR PIPE SIZES SEE PLAN SHEETS.
4. CONTRACTOR SHALL PROVIDE PRECAST CONCRETE VAULT WITH H20 TRAFFIC RATING.
5. NUMBER OF PIPE SUPPORTS AS NECESSARY TO ELIMINATE PIPE SAG.

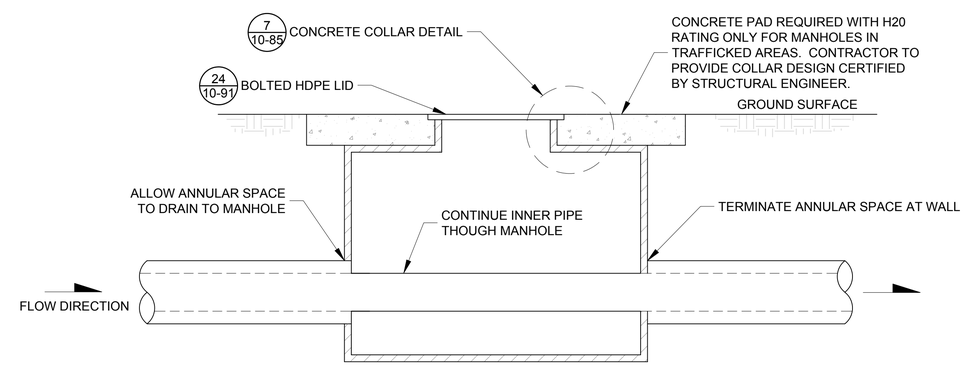
9 / 10-86 TYPICAL PERMANENT FLOW METER BOX DETAIL
NOT TO SCALE



NOTE:

1. ANNULAR SPACE OF DUAL PIPE WILL BE ALLOWED TO FLOW INTO VAULT.

10 / 10-86 TYPICAL TEMPORARY INFLUENT MANHOLE SECTION
NOT TO SCALE



NOTES:

1. ANNULAR SPACE OF DUAL PIPE WILL BE ALLOWED TO FLOW INTO VAULT.
2. FLOW METER AND FITTING WILL HAVE PRESSURE RATING EQUIVALENT TO OR GREATER THAN ADJACENT PIPE.

11 / 10-86 TYPICAL PERMANENT INFLUENT MANHOLE SECTION
NOT TO SCALE

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3	ISSUED FOR 100% DESIGN	KR	JD	06–15
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2. ALL FLANGES SHALL BE HDPE UNLESS OTHERWISE STATED.

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PROJECT MANAGER	V DRAIN	06–15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 5 OF 12)

MWH

SHEET: 10-86
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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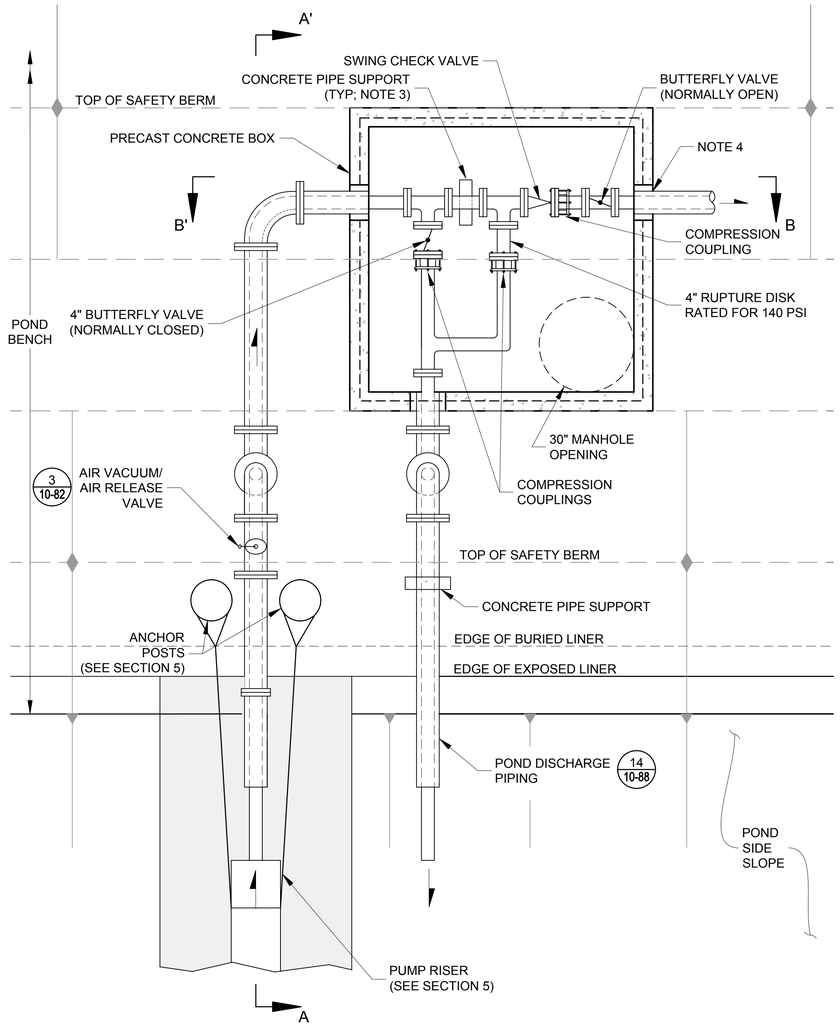
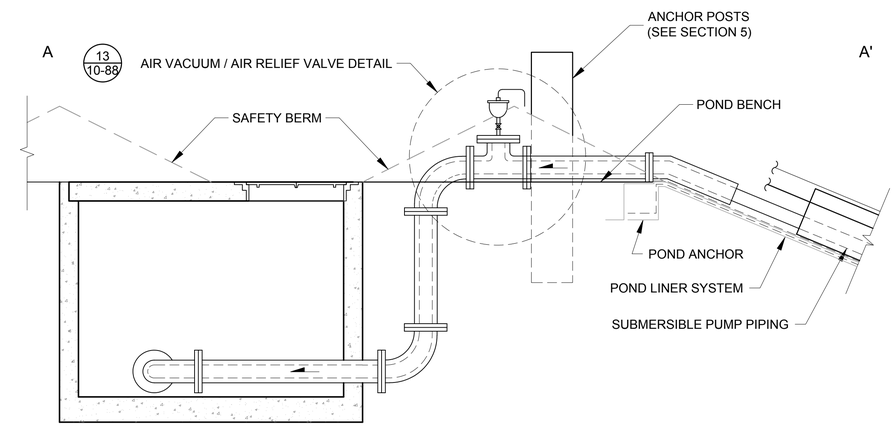
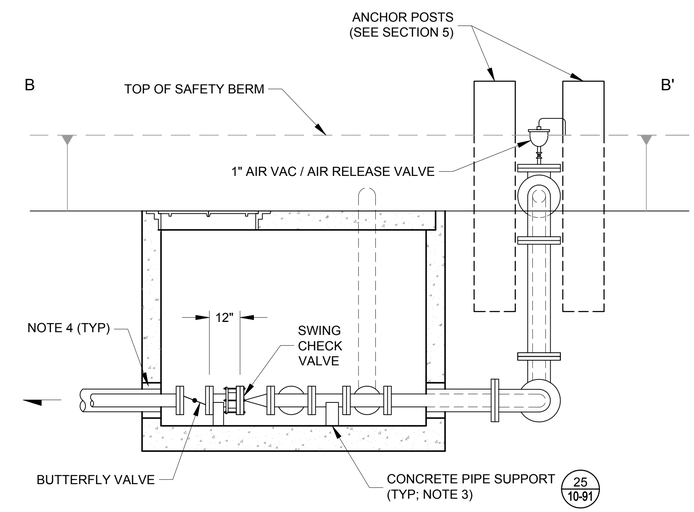




SECTION A-A'



SECTION B-B'

NOTES:

1. OUTER PIPE TO ALLOW FLOW TO ENTER THE VALVE BOX.
2. DRAIN LINE TO DISCHARGE ONTO HDPE RUBSHEET.
3. NUMBER OF PIPE SUPPORTS AS NECESSARY TO ELIMINATE PIPE SAG, PER DETAIL 25.
4. SEAL BETWEEN OUTER PIPES AND CONCRETE WITH NON-SHRINK GROUT.
5. PRECAST CONCRETE BOX REQUIRED WITH H2O RATING.
6. RUPTURE DISK MATERIAL SHALL BE COMPATIBLE WITH WATER CHEMISTRY.

12 / 10-87 TYPICAL PUMP RISER CONNECTION DETAIL
NOT TO SCALE

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

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APPROVED BY	C STRACHAN	06-15
PROJECT MANAGER	V DRAIN	06-15

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 6 OF 12)

MWH

SHEET: 10-87
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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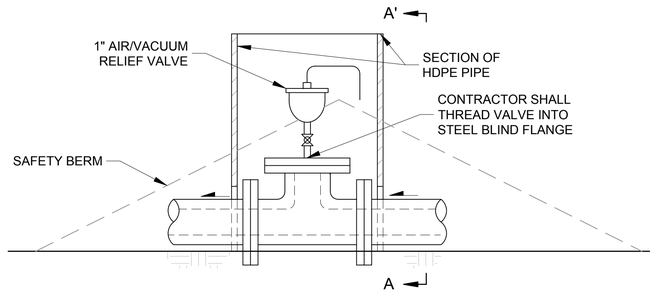
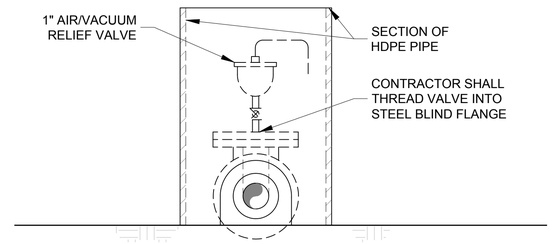




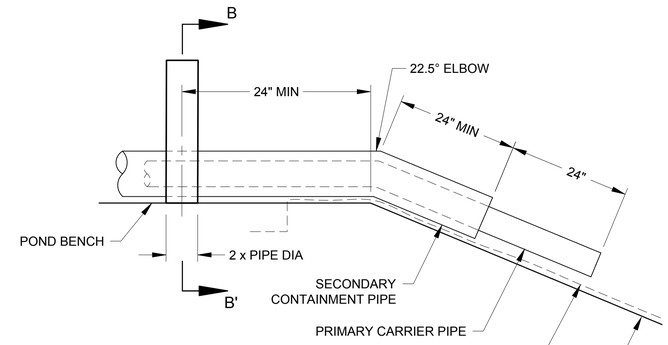
SECTION A-A'

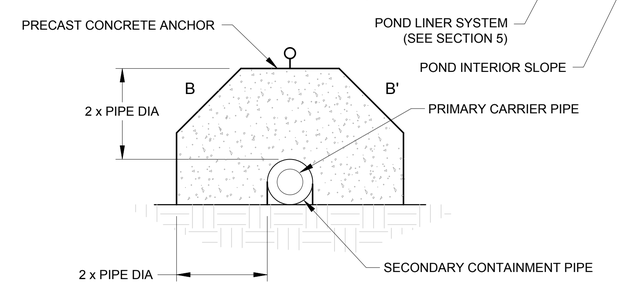
NOTE:

1. CONTRACTOR SHALL INSTALL VALVES WITHIN FOOTPRINT OF SAFETY BERMS WHENEVER POSSIBLE.

13 / 10-88 POND BENCH AIR VACUUM/AIR RELEASE DETAIL

NOT TO SCALE





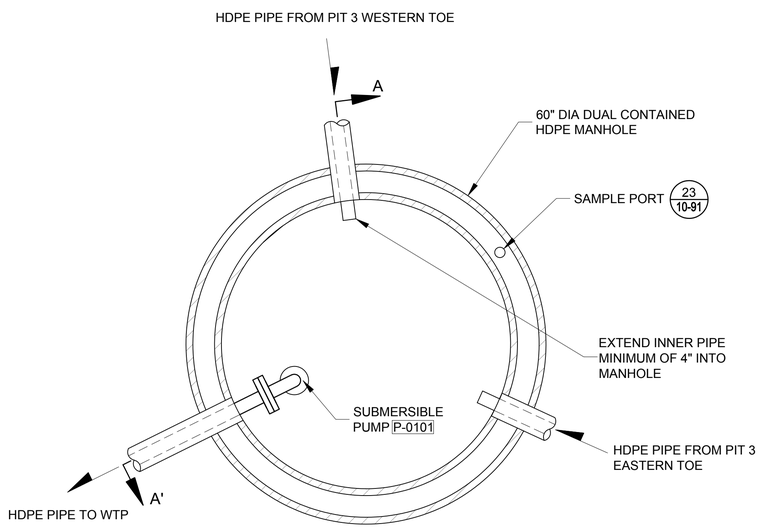
SECTION B-B'

NOTE:

1. PIPES SHALL DISCHARGE ONTO HDPE RUBSHEET IN POND.

14 / 10-88 TYPICAL POND DISCHARGE PIPING DETAIL

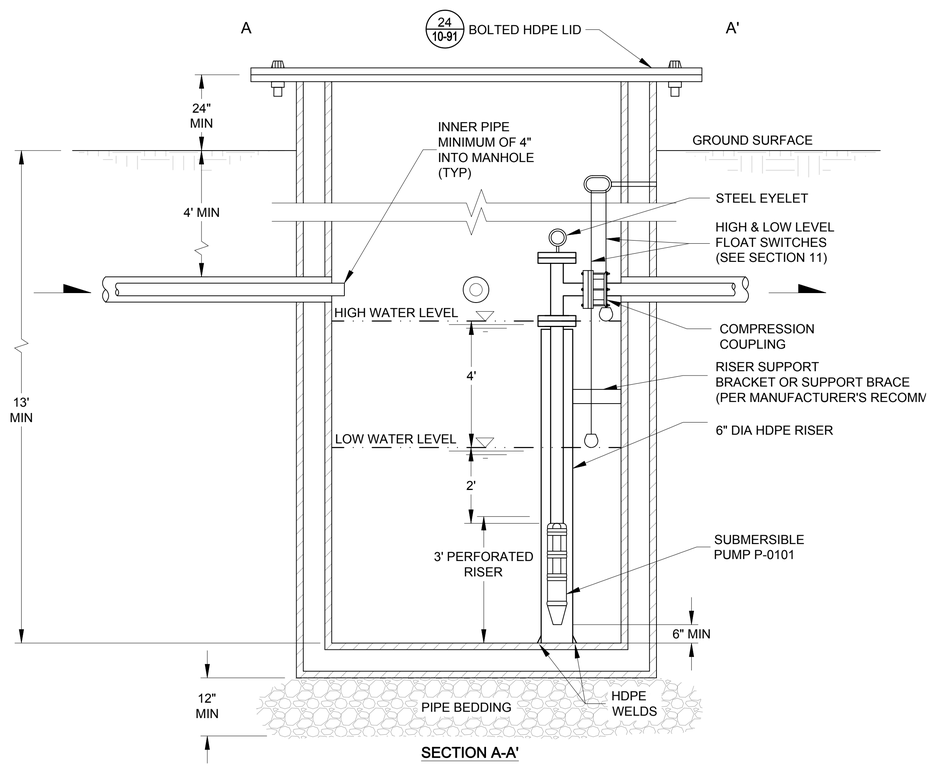
NOT TO SCALE



PLAN

NOTE:

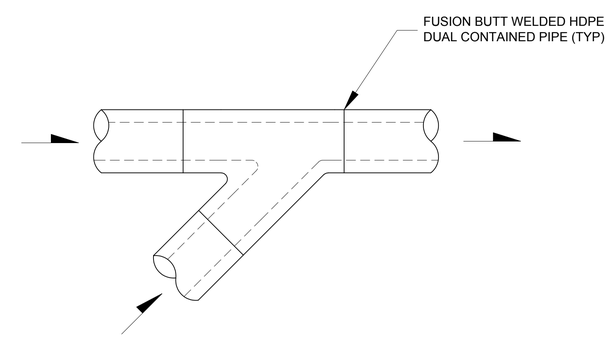
1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW TO ENTER WET WELL.



SECTION A-A'

15 / 10-88 SEEPAGE COLLECTION WET WELL DETAIL

NOT TO SCALE



16 / 10-88 TYPICAL DUAL WALL WYE DETAIL

NOT TO SCALE

REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 7 OF 12)

MWH

SHEET: 10-88

REVISION: 3

FILE NAME: 10-77

DATE: JUNE 2015

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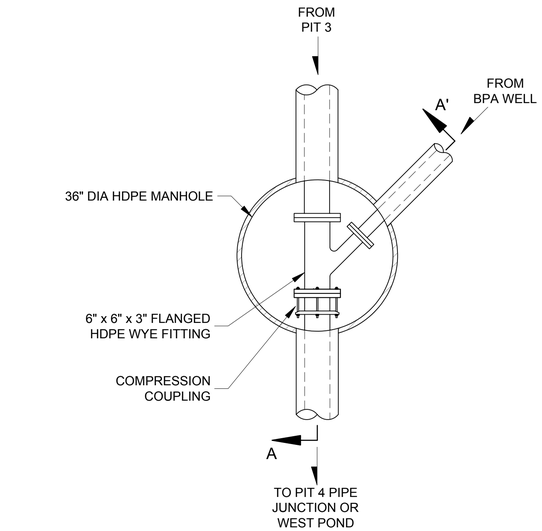
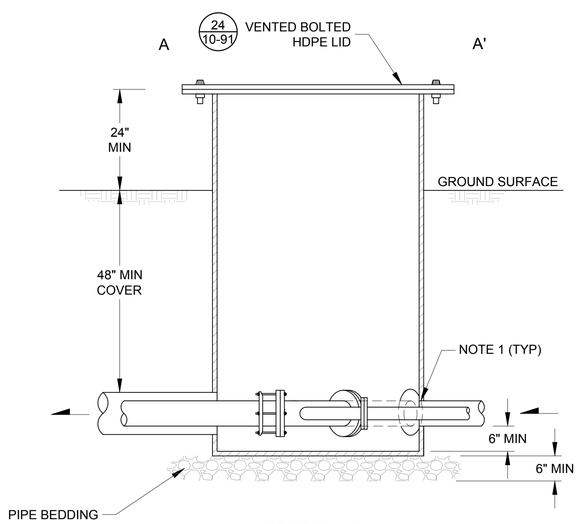


PLAN



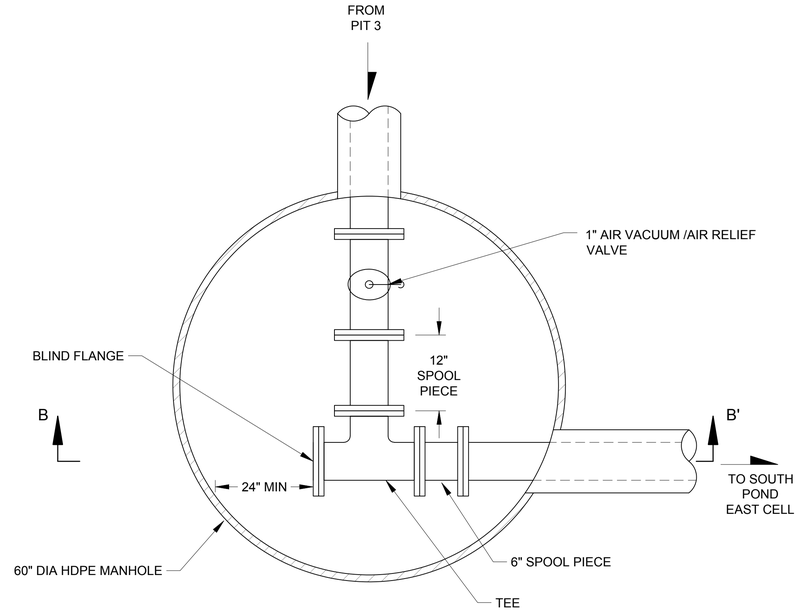
SECTION A-A'

NOTE:

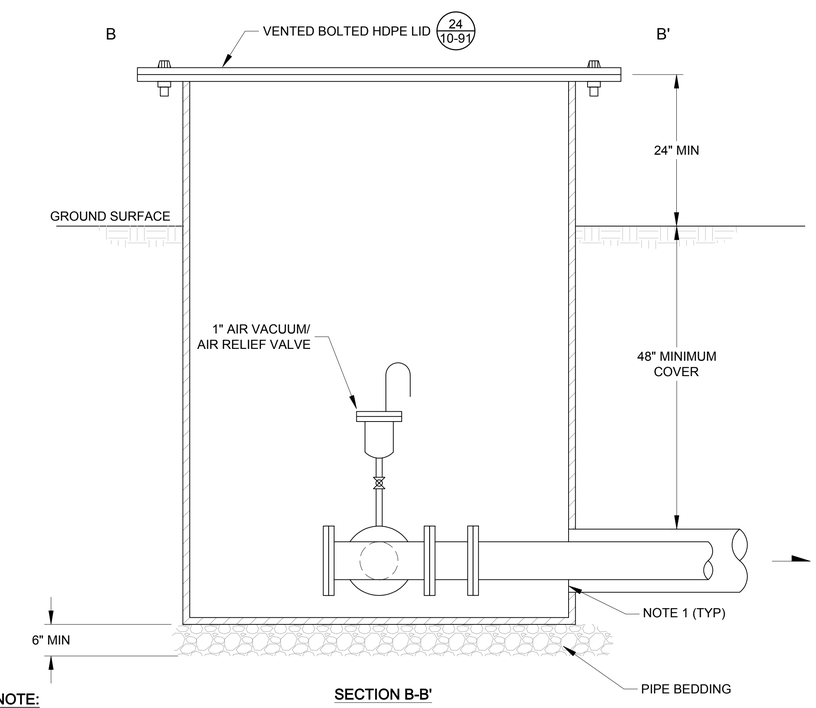
1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

17 / 10-89 PIT 3 JUNCTION MANHOLE

NOT TO SCALE



PLAN



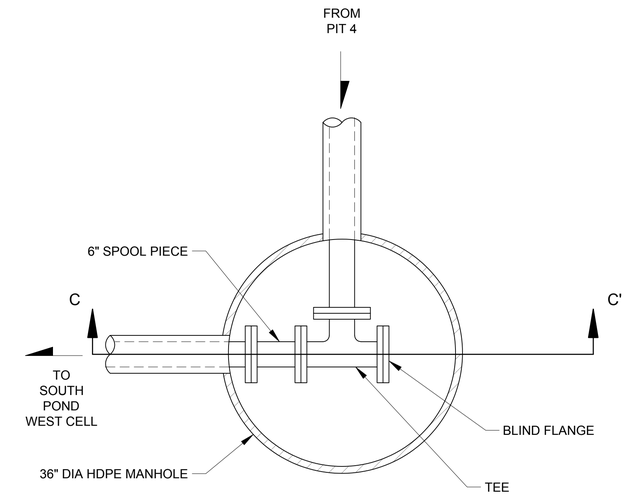
SECTION B-B'

NOTE:

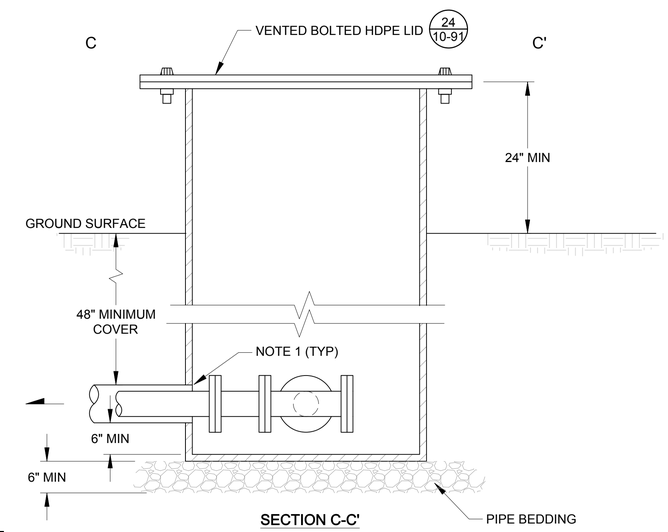
1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

18 / 10-89 PIT 3 TO SOUTH POND SPLITTER

NOT TO SCALE



PLAN



SECTION C-C'

NOTE:

1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

19 / 10-89 PIT 4 TO SOUTH POND SPLITTER

NOT TO SCALE

REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	JD	07–14

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 8 OF 12)

MWH

SHEET: 10-89

REVISION: 3

FILE NAME: 10-77

DATE: JUNE 2015

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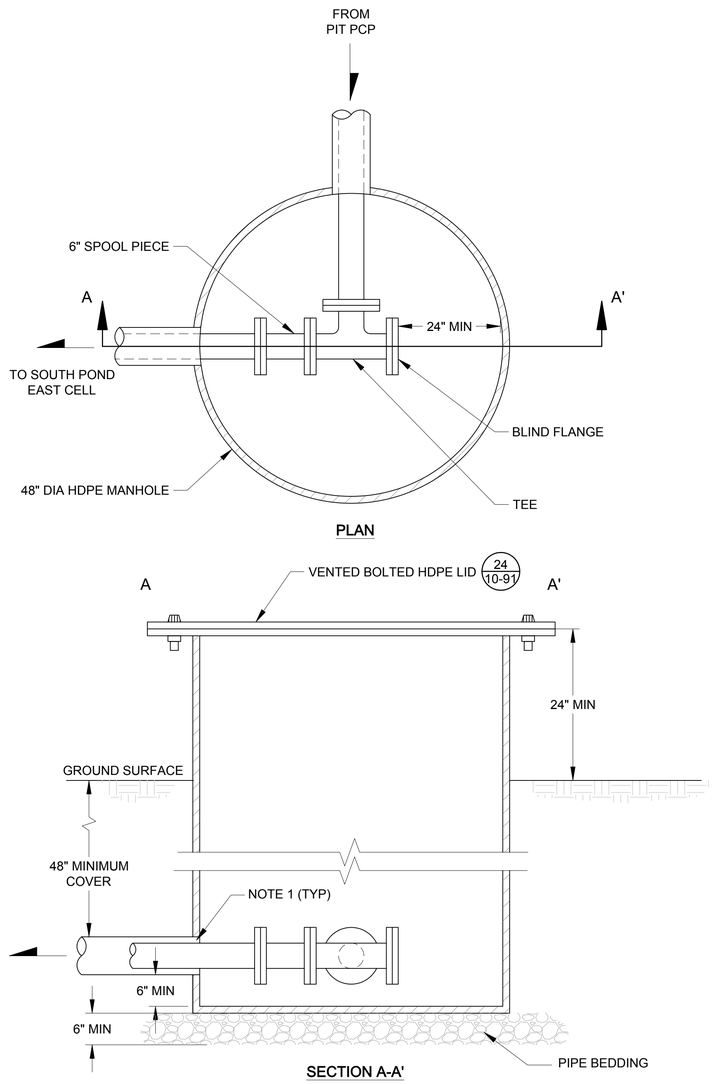
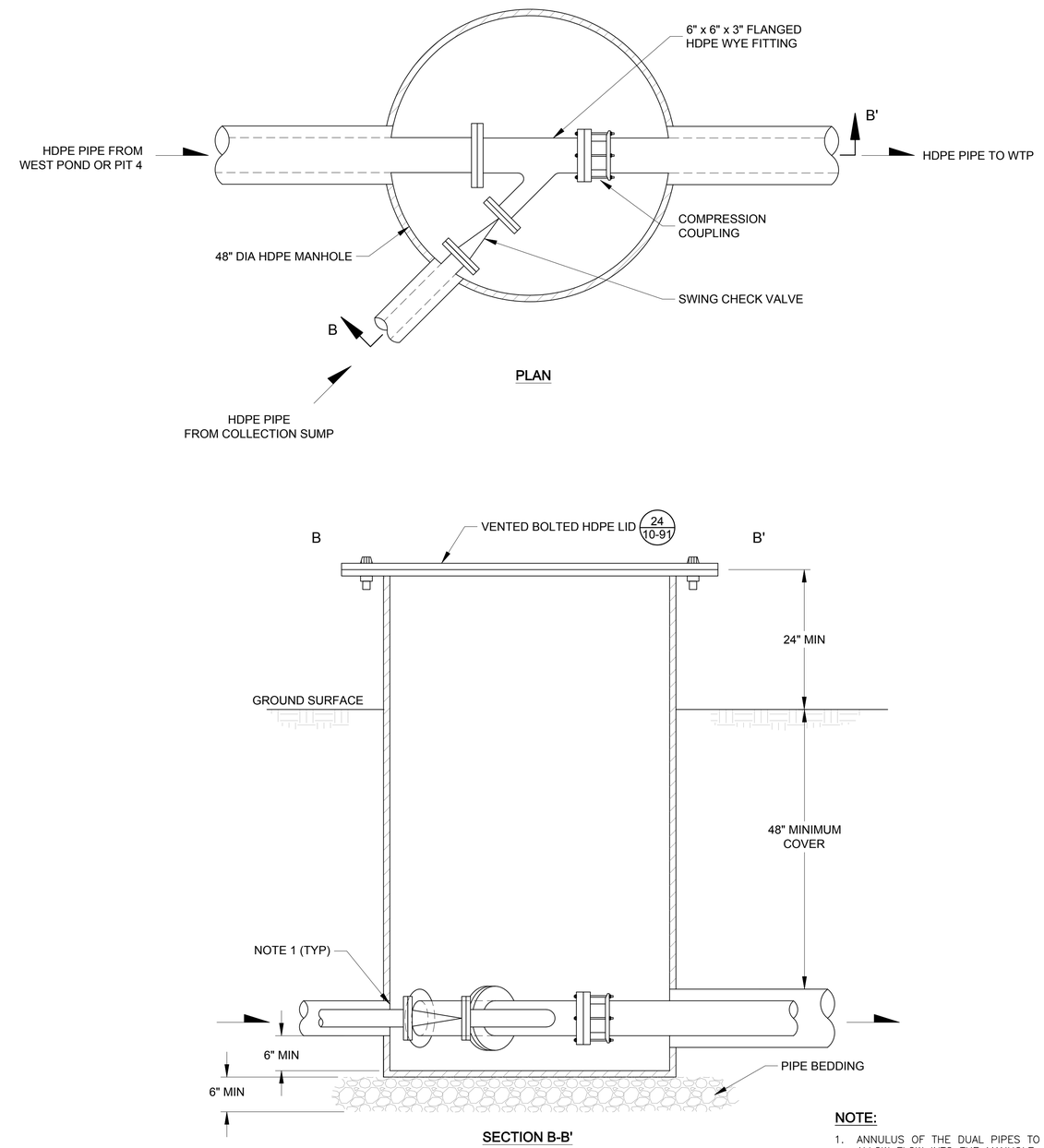


NOTE:

1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

20 / 10-90 PCP TO SOUTH POND SPLITTER

NOT TO SCALE



NOTE:

1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

21 / 10-90 COLLECTION SUMP JUNCTION DETAIL

NOT TO SCALE

ISSUE REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15
2	ISSUED FOR 90% DESIGN	MC	JD	07–14

DISCLAIMER:
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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 9 OF 12)

MWH

SHEET: 10-90

REVISION: 3

FILE NAME: 10-77

DATE: JUNE 2015

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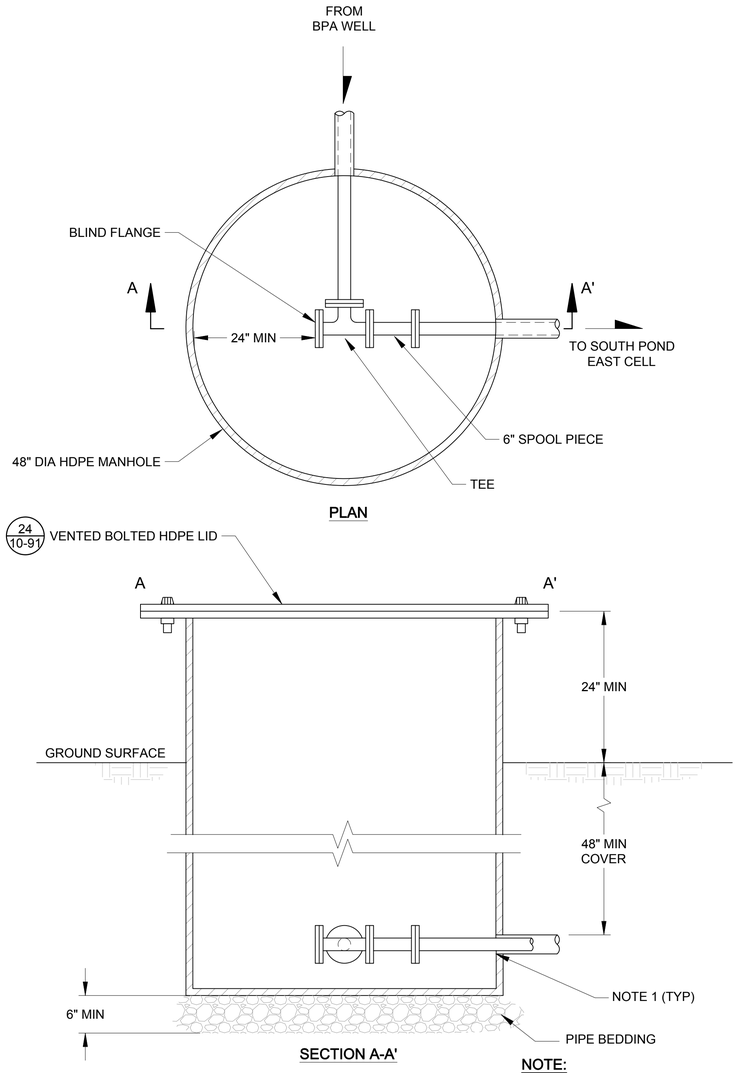
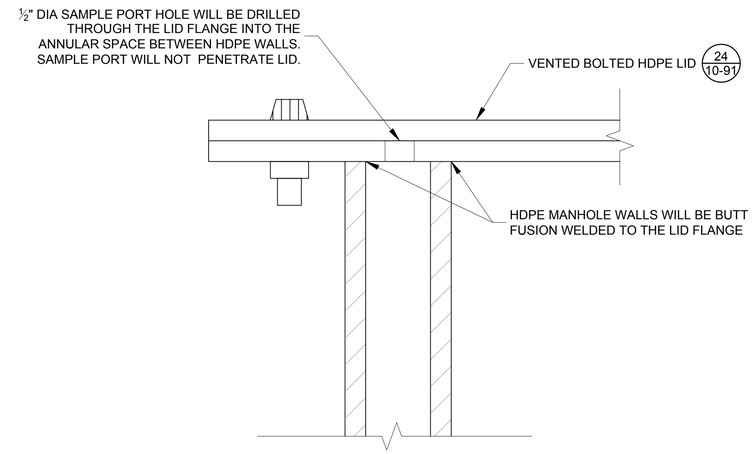


NOTE:

1. ANNULUS OF THE DUAL PIPES TO ALLOW FLOW INTO THE MANHOLE.

22 / 10-91 BPA (GW-54) TO SOUTH POND SPLITTER

NOT TO SCALE

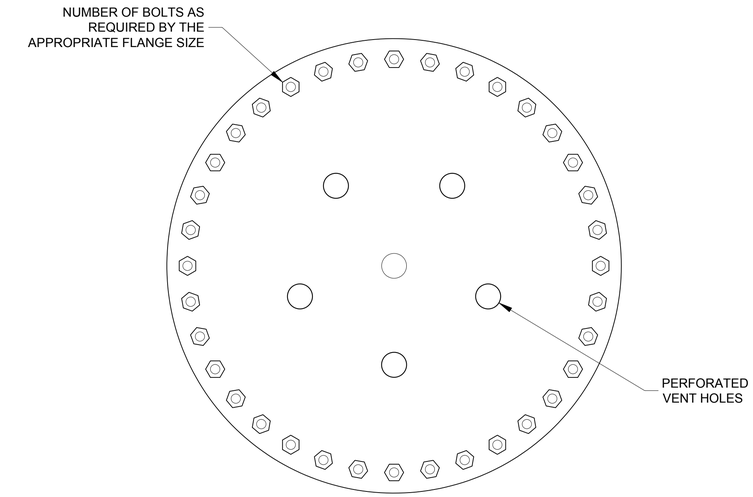


NOTE:

1. HDPE MANHOLE LIDS WILL NOT BE USED ON ANY H20 TRAFFIC RATED MANHOLES.

23 / 10-91 DUAL CONTAINED HDPE MANHOLE LID - SAMPLE PORT DETAIL

NOT TO SCALE

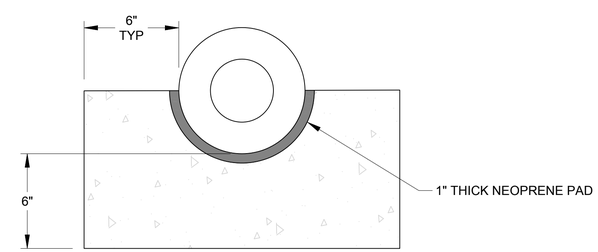


NOTES:

1. TOTAL AREA OF PERFORATED VENT HOLES WILL PROVIDE A MINIMUM CROSS-SECTIONAL AREA OF 3 SQ. IN.
2. A MINIMUM SIX VENT HOLES WILL BE INSTALLED INTO HDPE LIDS.
3. STEEL LIDS WILL BE USED ON ANY H20 TRAFFIC RATED MANHOLES.
4. VENT HOLES WILL BE KEPT WITHIN THE FLANGE SECTION OF THE MANHOLES.

24 / 10-91 HDPE MANHOLE LID VENT DETAIL

NOT TO SCALE



ELEVATION

NOTE:

1. ALL PIPE SUPPORTS WILL BE A MINIMUM OF 4-INCHES THICK.

25 / 10-91 CONCRETE PIPE SUPPORT

NOT TO SCALE

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

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 10 OF 12)

MWH

SHEET: 10-91
REVISION: 3
FILE NAME: 10-77
DATE: JUNE 2015

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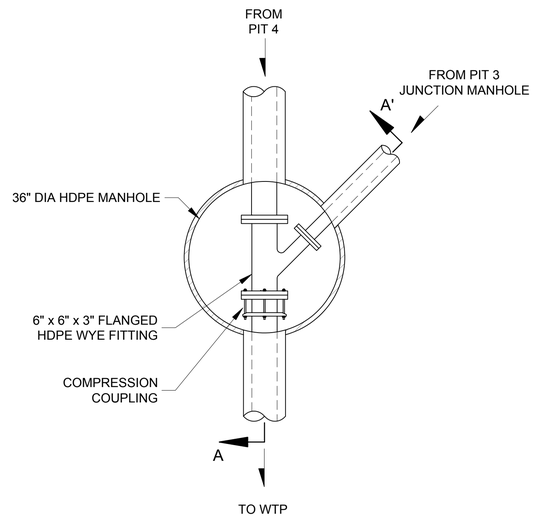
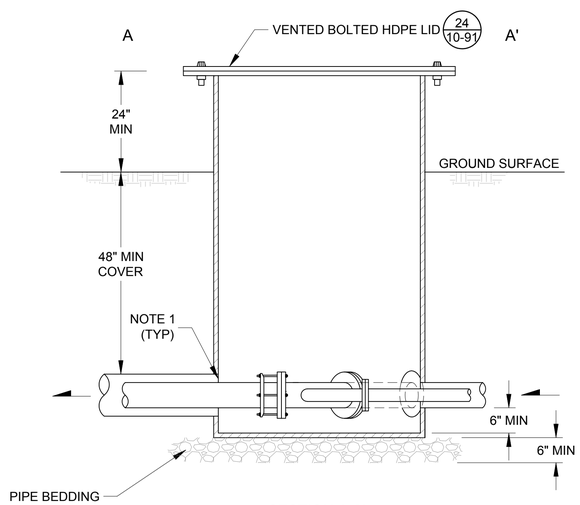


PLAN



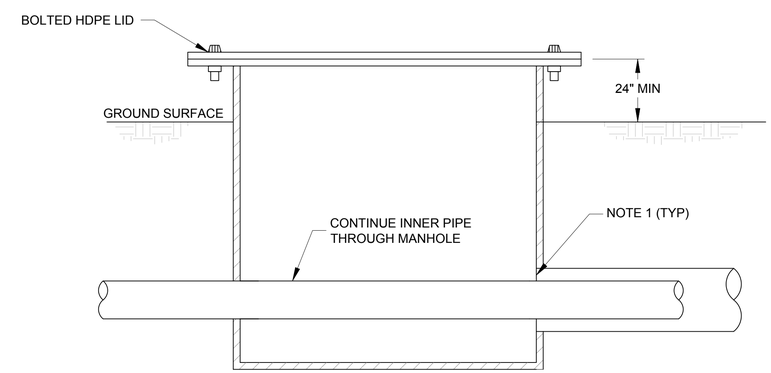
SECTION A-A'

NOTE:

1. ANNULUS OF DUAL PIPES TO BE ALLOWED TO FLOW INTO THE MANHOLE.

26 / 10-92 PIT 4 JUNCTION MANHOLE

NOT TO SCALE



NOTE:

1. ANNULUS OF DUAL PIPES TO BE ALLOWED TO FLOW INTO VAULT.

27 / 10-92 DUAL TO SINGLE WALL PIPE TRANSITION TYPICAL SECTION

NOT TO SCALE

REV	DESCRIPTION	TECH	ENG	DATE
3	ISSUED FOR 100% DESIGN	KR	JD	06–15

ISSUE

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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

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON

PROJECT: MIDNITE MINE

TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 11 OF 12)

MWH

SHEET: 10-92

REVISION: 3

FILE NAME: 10-77

DATE: JUNE 2015

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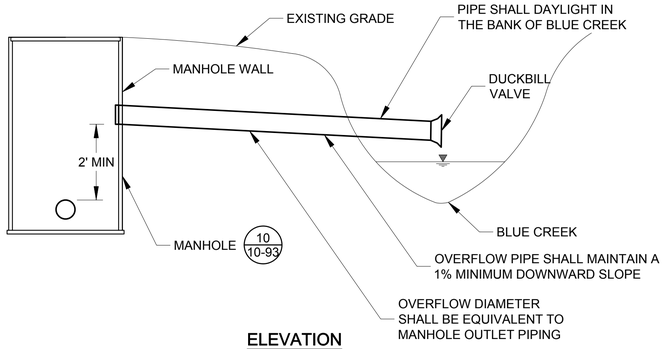
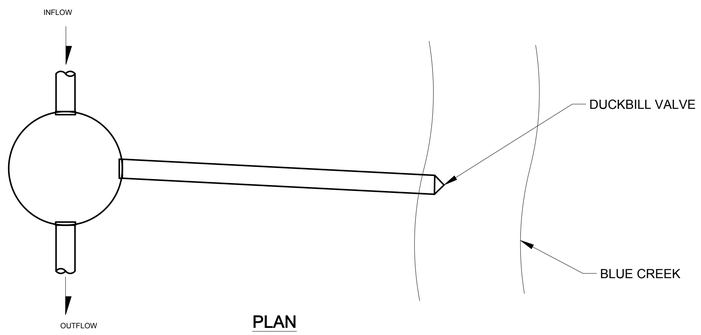
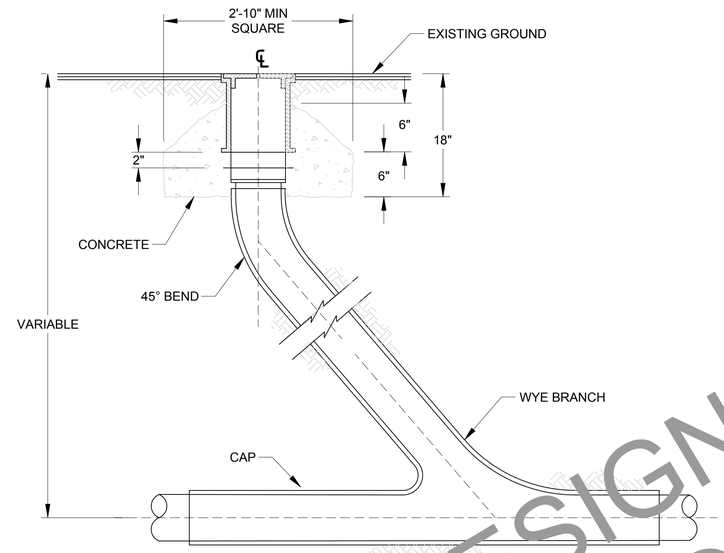


ELEVATION



PLAN

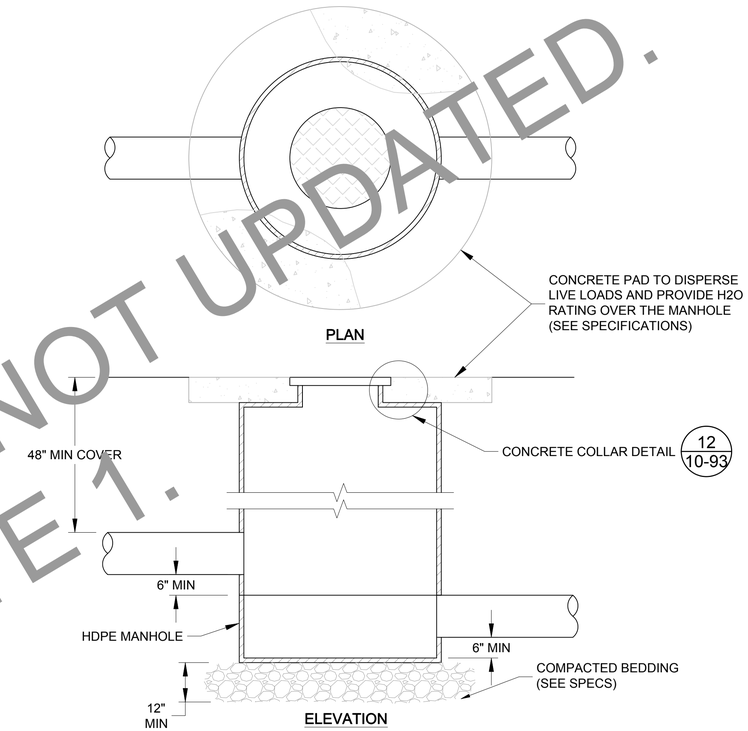
1 / 10-93 MANHOLE OVERFLOW DETAIL - (NOT UPDATED)
NOT TO SCALE



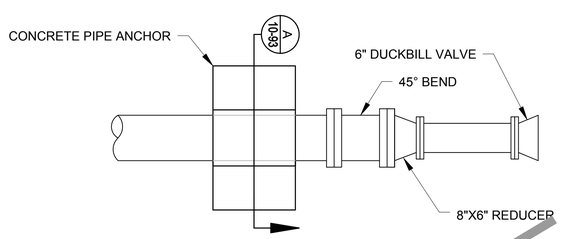
NOTE:

1. SEE PLAN FOR STATION AND INVERT ELEVATION. PIPE AND FITTINGS SHALL BE OF THE SAME MATERIAL AS THE MAIN LINE SEWER.

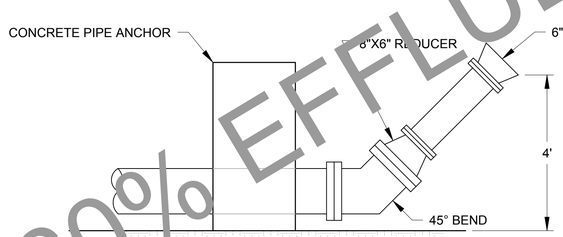
5 / 10-93 CLEANOUT TO GRADE (CO-TG) - EFFLUENT PIPELINE - (NOT UPDATED)
NOT TO SCALE



10 / 10-93 EFFLUENT PIPELINE MANHOLE DETAIL - (NOT UPDATED)
NOT TO SCALE

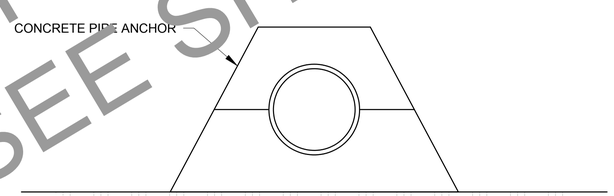


PLAN

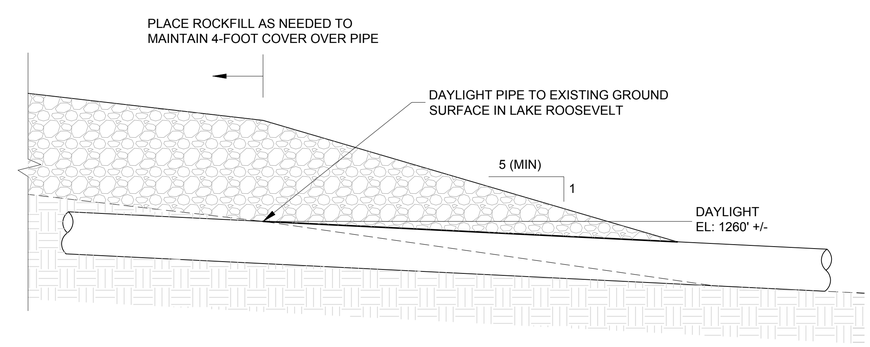


ELEVATION

11 / 10-93 EFFLUENT PIPELINE OUTFALL DIFFUSER DETAIL - (NOT UPDATED)
NOT TO SCALE



SECTION A



12 / 10-93 DAYLIGHT INTO LAKE ROOSEVELT DETAIL - (NOT UPDATED)
NOT TO SCALE

60% EFFLUENT PIPELINE DESIGN NOT UPDATED.
SEE SHEET 10-11 NOTE 1.

REV	DESCRIPTION	TECH	ENG	DATE
1	ISSUED FOR 60% DESIGN	DM	JD	12–13
0	ISSUED FOR 30% DESIGN	DM	JD	12–12

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GENERAL NOTES:

1. ALL PIPES SHALL BE FUSE WELDED HDPE, UNLESS OTHERWISE STATED.
2. ALL FLANGES SHALL BE HDPE UNLESS OTHERWISE STATED.

DESIGNED BY	J DIXON	12–13
DRAWN BY	D MIRANDA	12–13
CHECKED BY	T KELLEY	12–13
APPROVED BY	C STRACHAN	12–13
PROJECT MANAGER	V DRAIN	12–13

NEWMONT

PROJECT LOCATION: WELLPINIT, WASHINGTON
PROJECT: MIDNITE MINE
TITLE: TYPICAL DETAILS AND SECTIONS (SHEET 12 OF 12)

MWH

SHEET: 10-93
REVISION: 1
FILE NAME: 10-77
DATE: DEC 2013

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