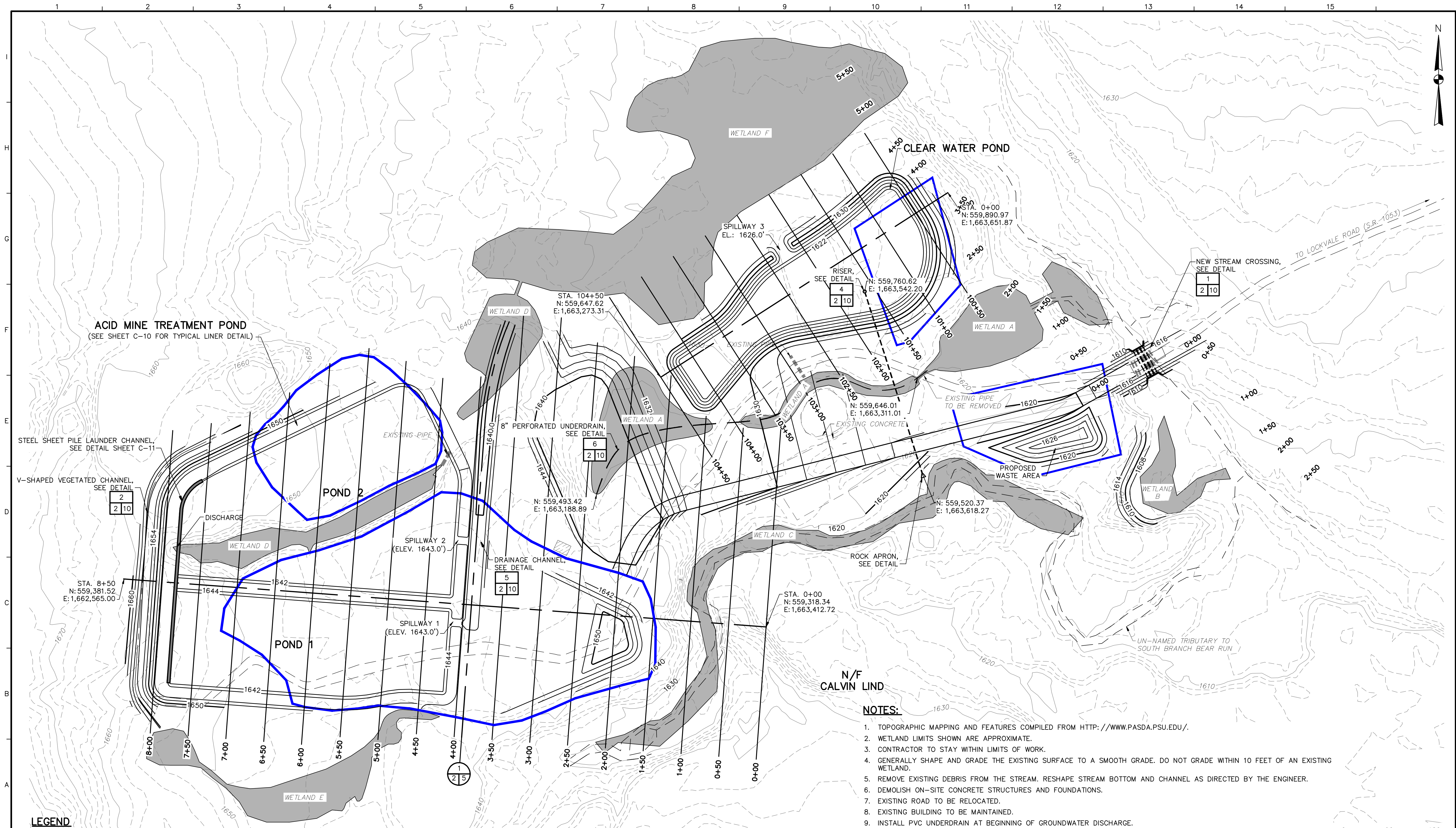




NOTES:

1. TOPOGRAPHIC MAPPING AND FEATURES COMPILED FROM [HTTP://WWW.PASDA.PSU.EDU/](http://www.pasda.psu.edu/).
2. WETLAND LIMITS SHOWN ARE APPROXIMATE.
3. CONTRACTOR TO STAY WITHIN LIMITS OF WORK.
4. GENERALLY SHAPE AND GRADE THE EXISTING SURFACE TO A SMOOTH GRADE. DO NOT GRADE WITHIN 10 FEET OF AN EXISTING WETLAND.
5. REMOVE EXISTING DEBRIS FROM THE STREAM. RESHAPE STREAM BOTTOM AND CHANNEL AS DIRECTED BY THE ENGINEER.
6. DEMOLISH ON-SITE CONCRETE STRUCTURES AND FOUNDATIONS.
7. EXISTING ROAD TO BE RELOCATED.
8. EXISTING BUILDING TO BE MAINTAINED.
9. INSTALL PVC UNDERDRAIN AT BEGINNING OF GROUNDWATER DISCHARGE.
10. INSTALL APPROXIMATELY 490 L.F. OF PVC UNDERDRAIN WITH END SECTION AND DISCHARGE INTO EXISTING WETLAND A AT A MINIMUM 1.5% SLOPE.

LEGEND

- 1640 — EXISTING 10' CONTOUR
- - - 1640 - - - EXISTING 2' CONTOUR
- 1640 — PROPOSED 10' CONTOUR
- - - 1640 - - - PROPOSED 2' CONTOUR
- — — EXISTING TREE LINE
- ▢ EXISTING BUILDING
- ▨ WETLAND DELINEATION LOCATION APPROXIMATE
- — — LIMITS OF COAL REFUSE REMOVAL
- — — 8" PERFORATED UNDERDRAIN



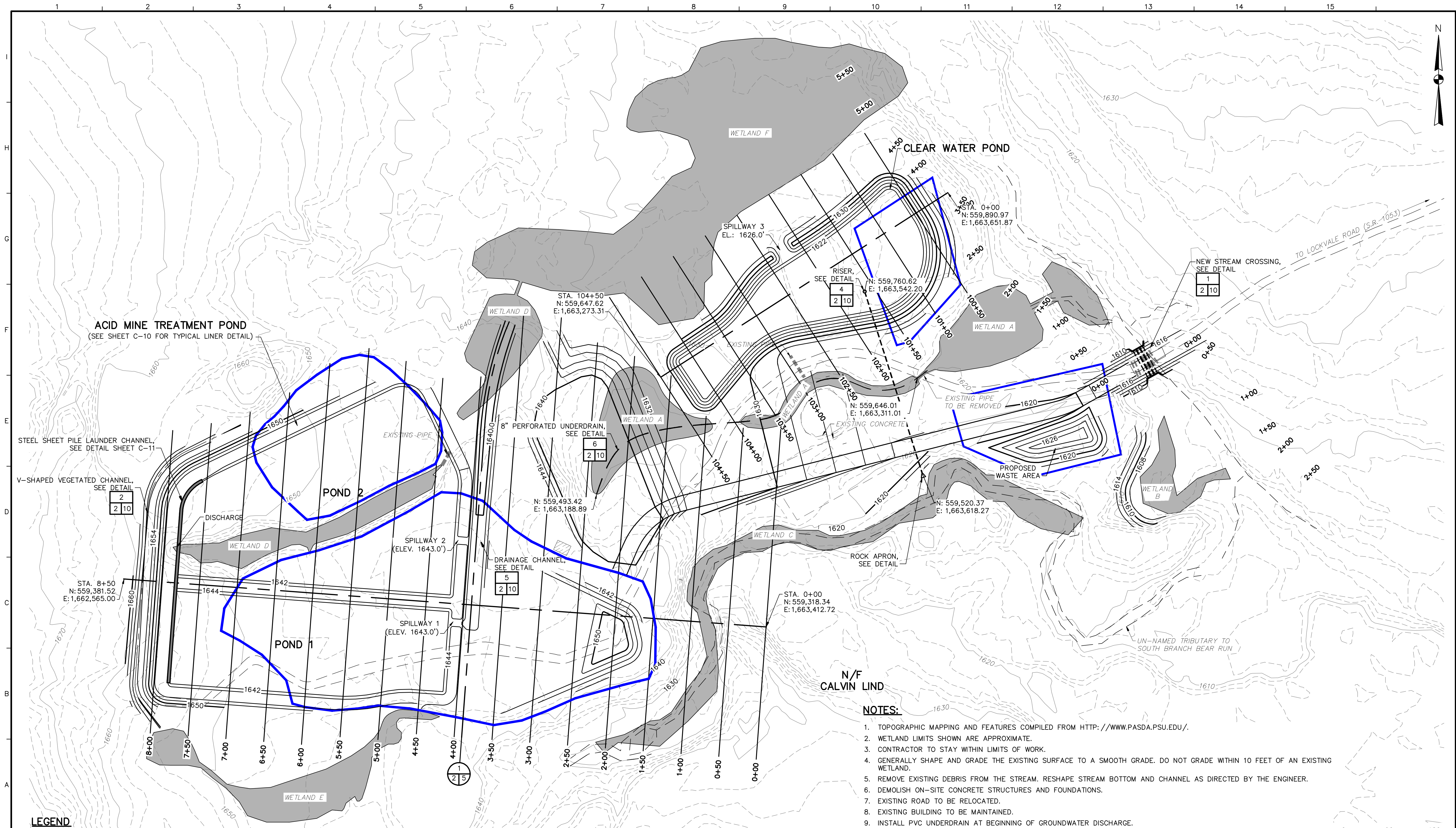
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PITTSBURGH, PA 15220
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MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

INDIANA COUNTY CONSERVATION DISTRICT
INDIANA COUNTY, PENNSYLVANIA
BEAR RUN PHASE II
PROPOSED ACID MINE TREATMENT POND,
CLEAR WATER POND & SITE GRADING PLAN

SCALE: 1" = 60'

DATE:	3/17/10
PROJECT NO.:	112C01943
DESIGNED BY:	ARB
DRAWN BY:	BH
CHECKED BY:	ARB
SHEET:	2 OF 11
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NOTES:

1. TOPOGRAPHIC MAPPING AND FEATURES COMPILED FROM [HTTP://WWW.PASDA.PSU.EDU/](http://www.pasda.psu.edu/).
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9. INSTALL PVC UNDERDRAIN AT BEGINNING OF GROUNDWATER DISCHARGE.
10. INSTALL APPROXIMATELY 490 L.F OF PVC UNDERDRAIN WITH END SECTION AND DISCHARGE INTO EXISTING WETLAND A AT A MINIMUM 1.5% SLOPE.

LEGEND

- 1640 — EXISTING 10' CONTOUR
- - - 1640 - - - EXISTING 2' CONTOUR
- 1640 — PROPOSED 10' CONTOUR
- - - 1640 - - - PROPOSED 2' CONTOUR
- - - - - EXISTING TREE LINE
- ▢ EXISTING BUILDING
- ▨ WETLAND DELINEATION LOCATION APPROXIMATE
- LIMITS OF COAL REFUSE REMOVAL
- 8" PERFORATED UNDERDRAIN



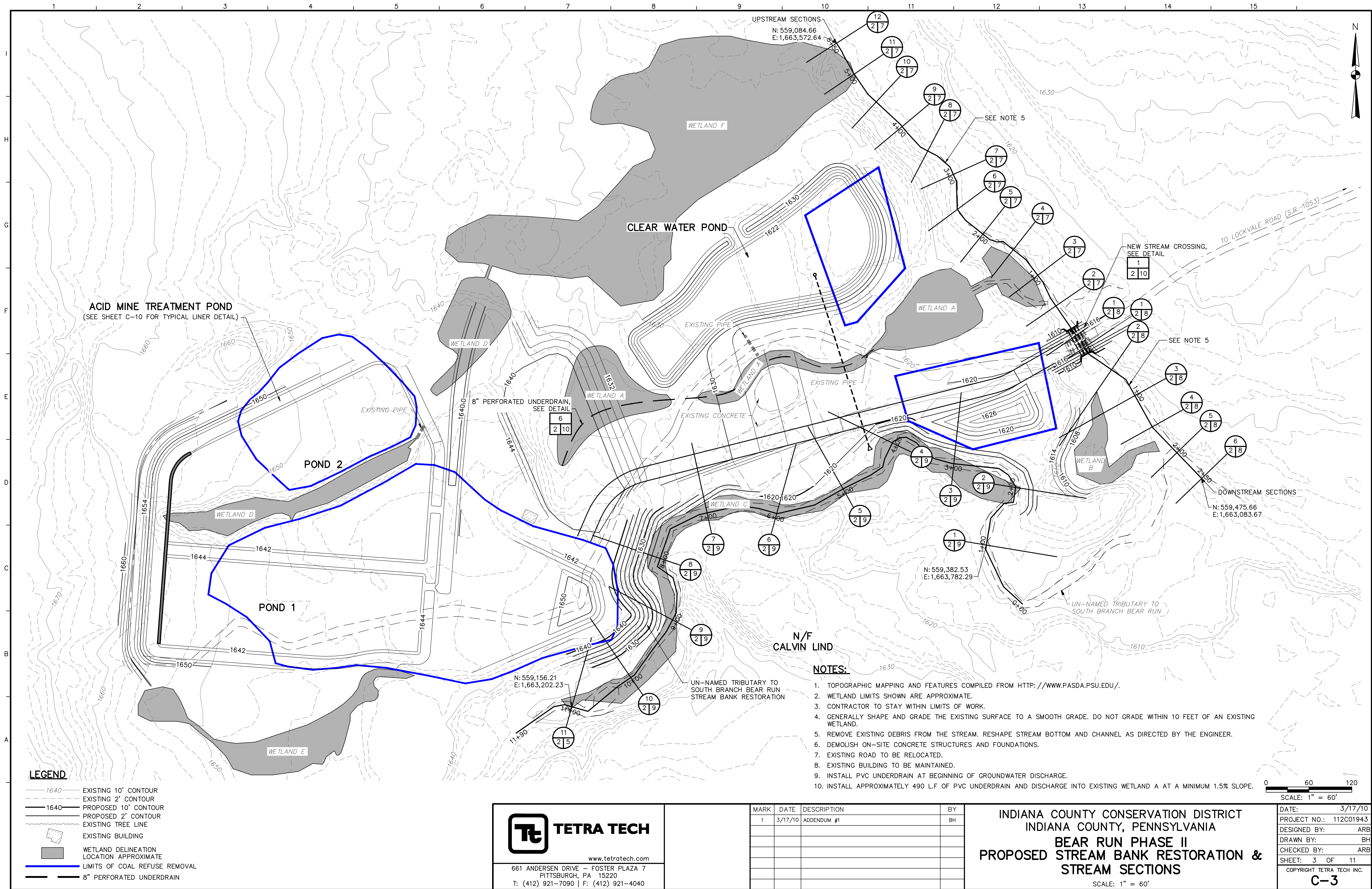
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MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

INDIANA COUNTY CONSERVATION DISTRICT
INDIANA COUNTY, PENNSYLVANIA
BEAR RUN PHASE II
PROPOSED ACID MINE TREATMENT POND,
CLEAR WATER POND & SITE GRADING PLAN

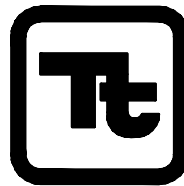
SCALE: 1" = 60'

DATE:	3/17/10
PROJECT NO.:	112C01943
DESIGNED BY:	ARB
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LEGEND

- 1640 EXISTING 10' CONTOUR
- 1640 EXISTING 2' CONTOUR
- 1640 PROPOSED 10' CONTOUR
- 1640 PROPOSED 2' CONTOUR
- EXISTING TREE LINE
- EXISTING BUILDING
- WETLAND DELINEATION LOCATION APPROXIMATE
- LIMITS OF COAL REFUSE REMOVAL
- 8" PERFORATED UNDERDRAIN



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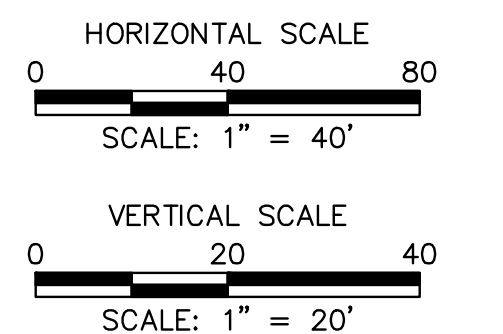
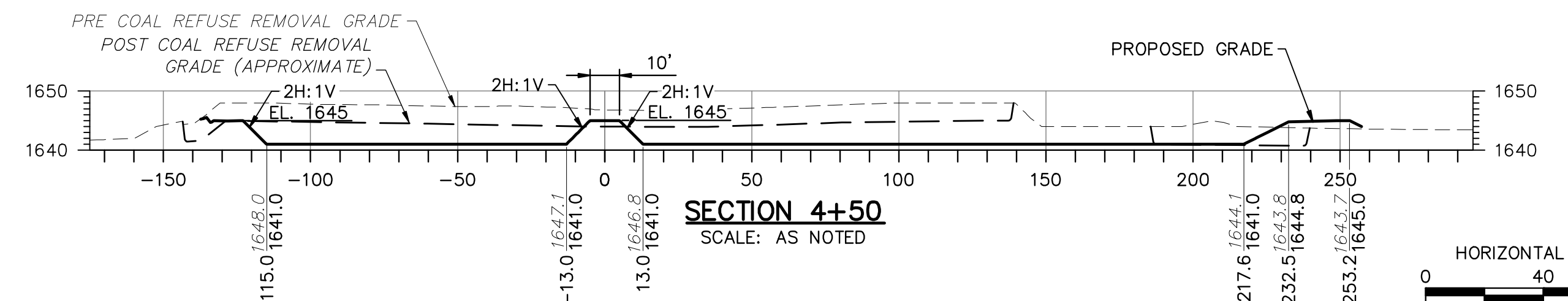
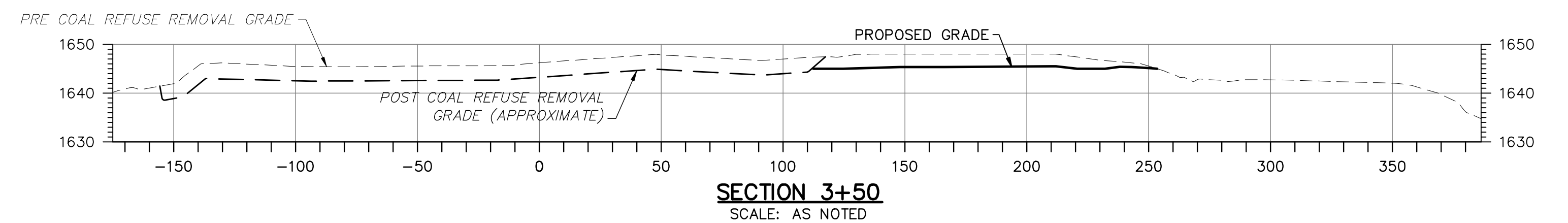
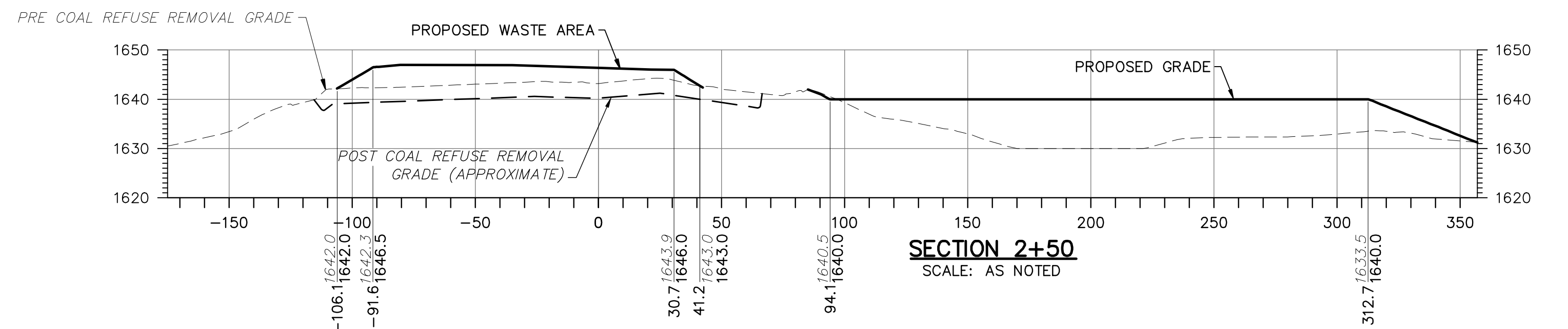
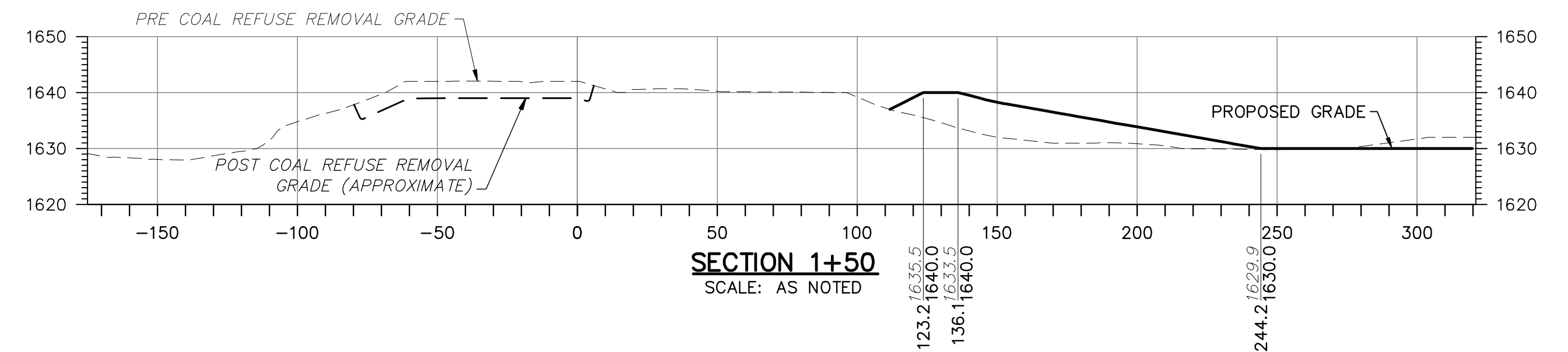
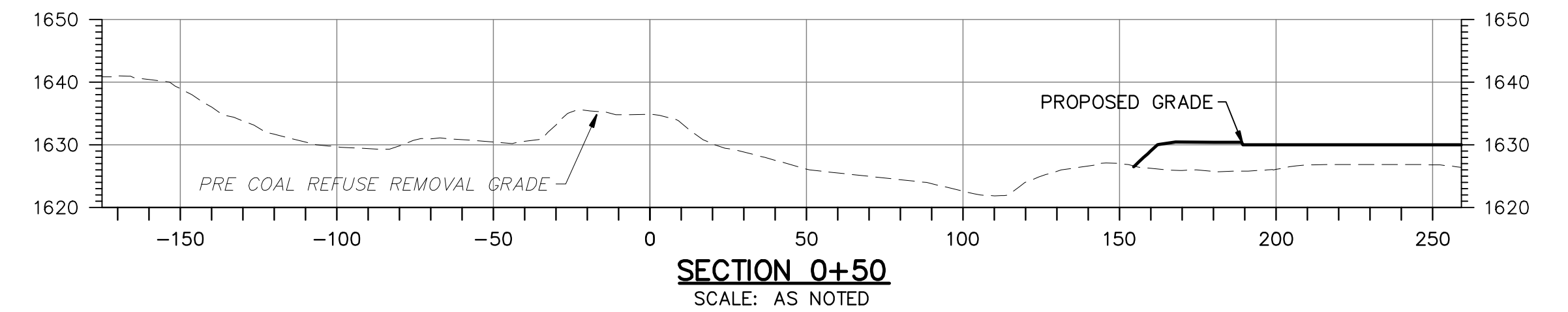
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MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

INDIANA COUNTY CONSERVATION DISTRICT
INDIANA COUNTY, PENNSYLVANIA
**BEAR RUN PHASE II
PROPOSED STREAM BANK RESTORATION &
STREAM SECTIONS**

SCALE: 1" = 60'

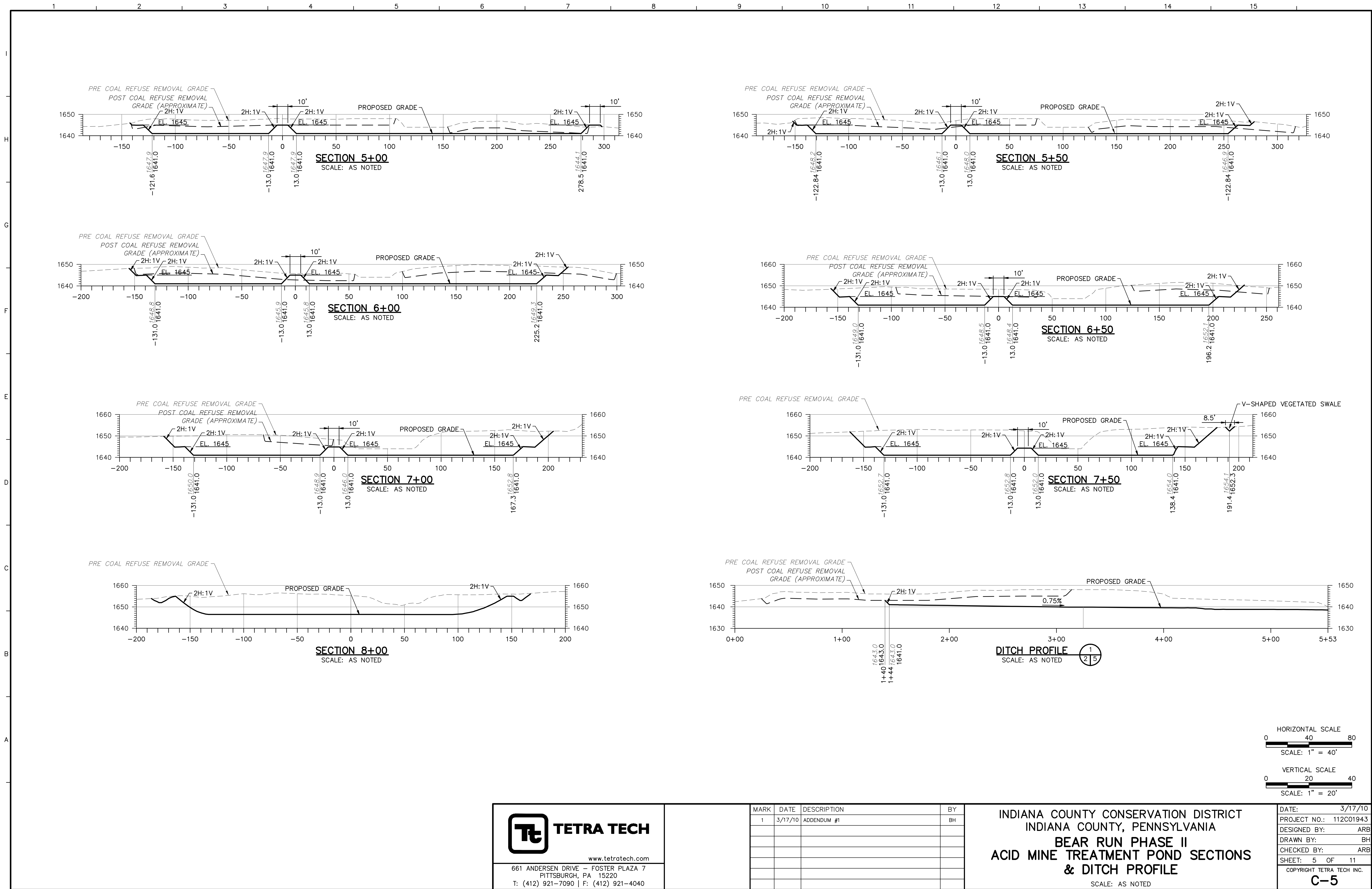
DATE:	3/17/10
PROJECT NO.:	112C01943
DESIGNED BY:	ARB
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SHEET:	3 OF 11
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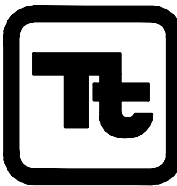
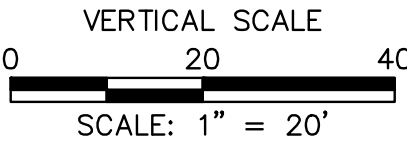
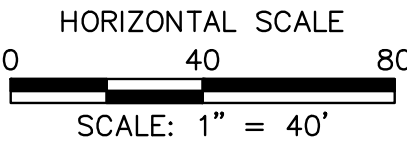
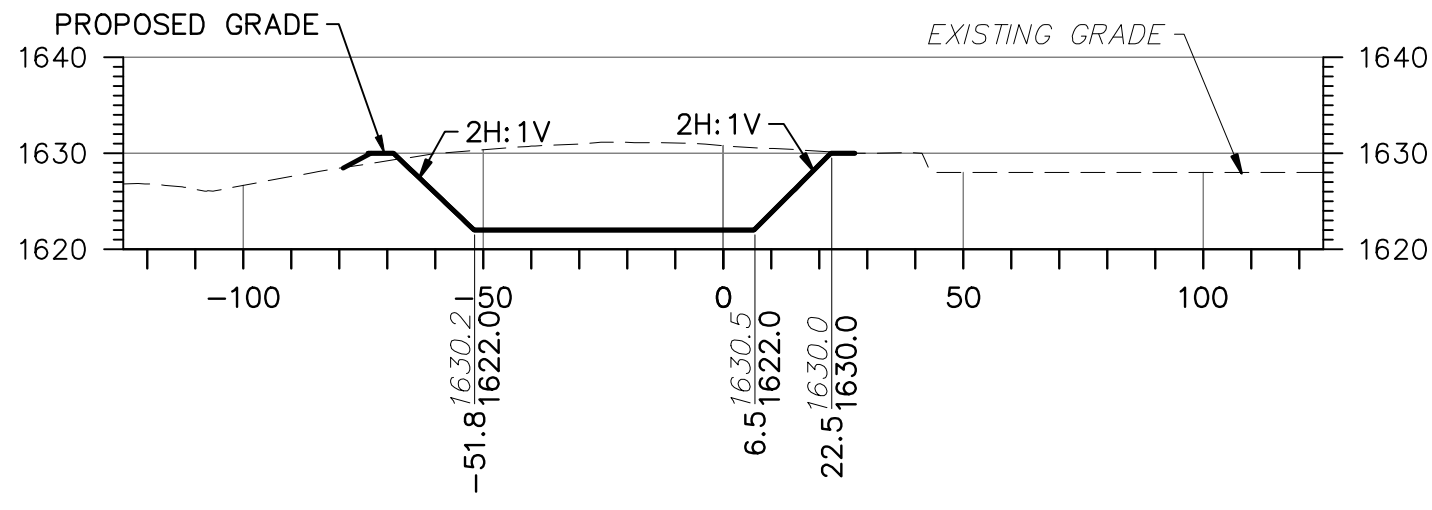
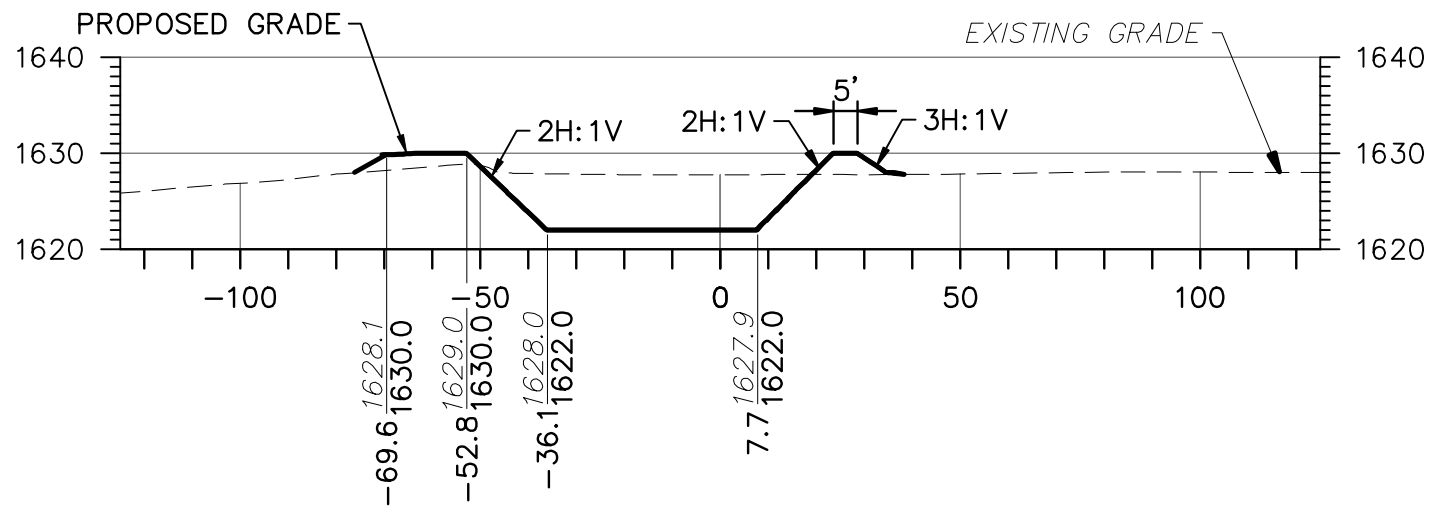
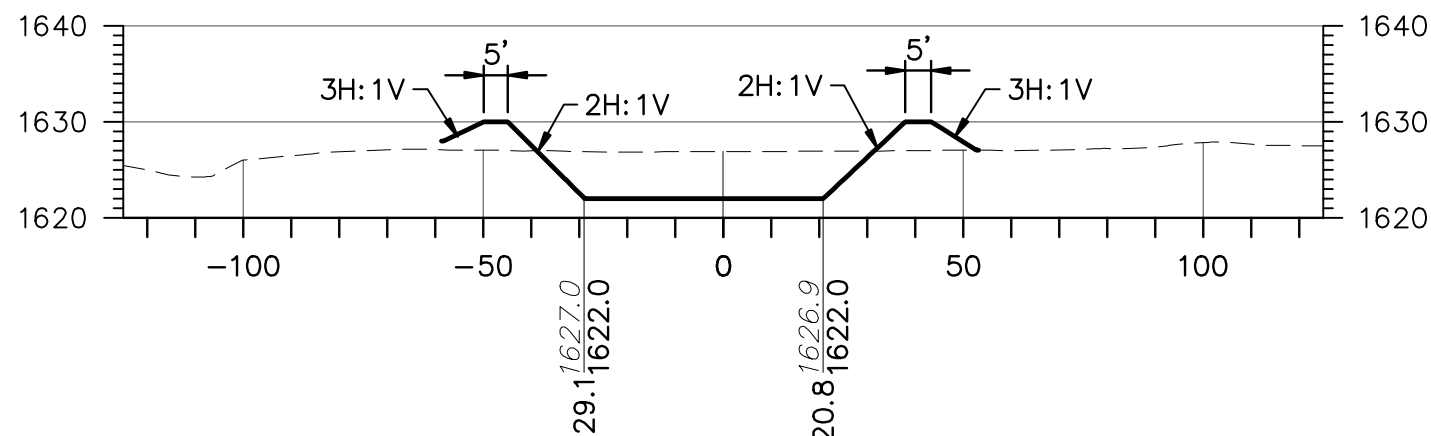
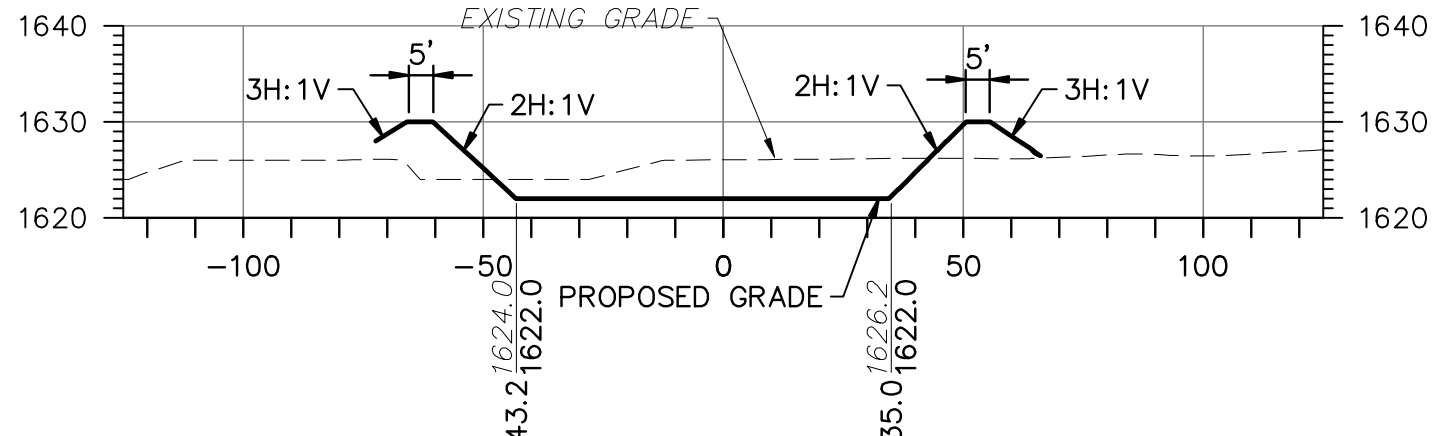
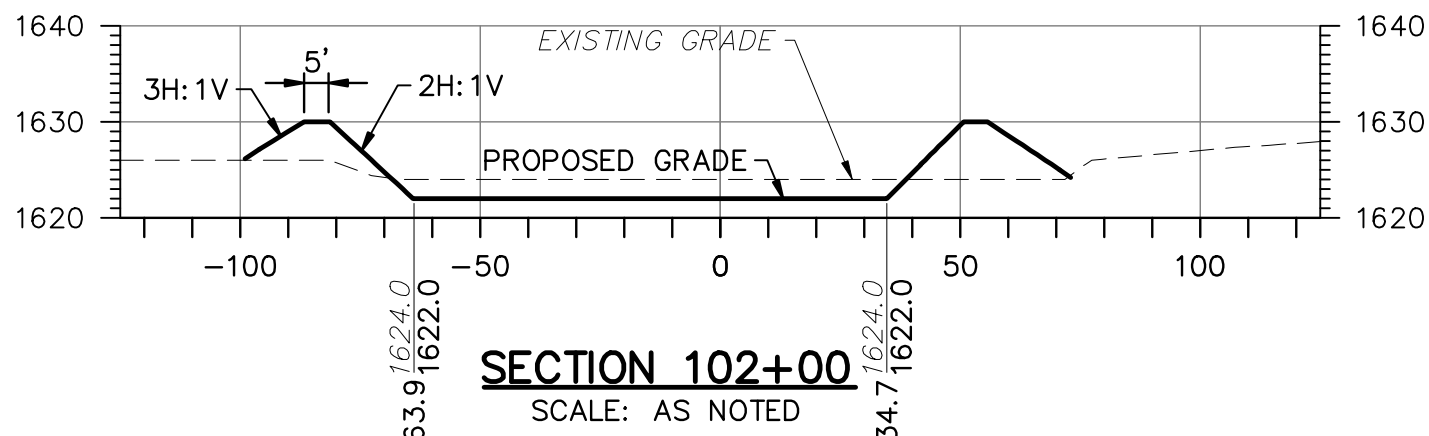
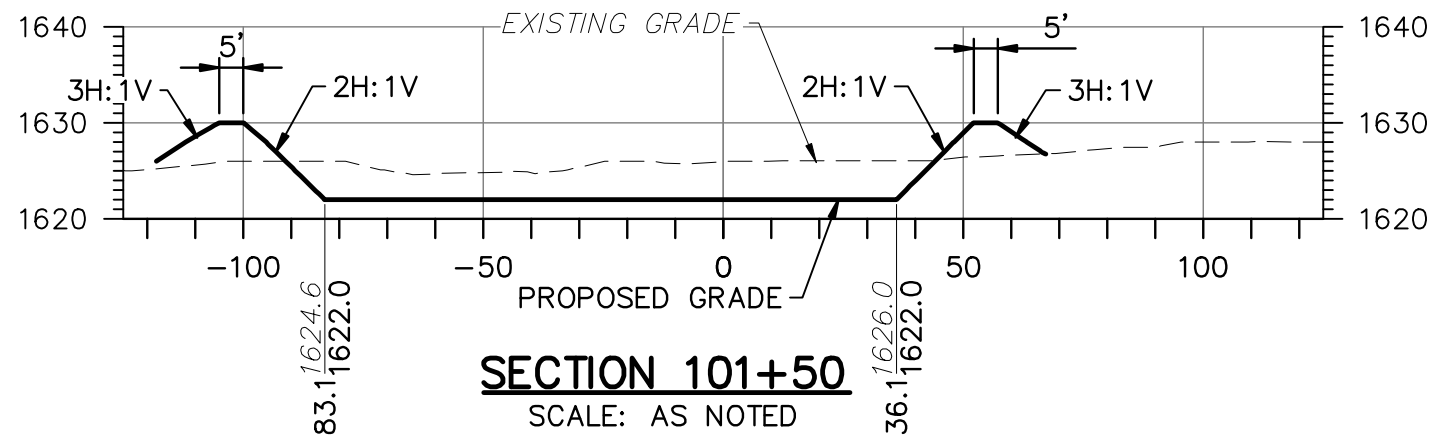
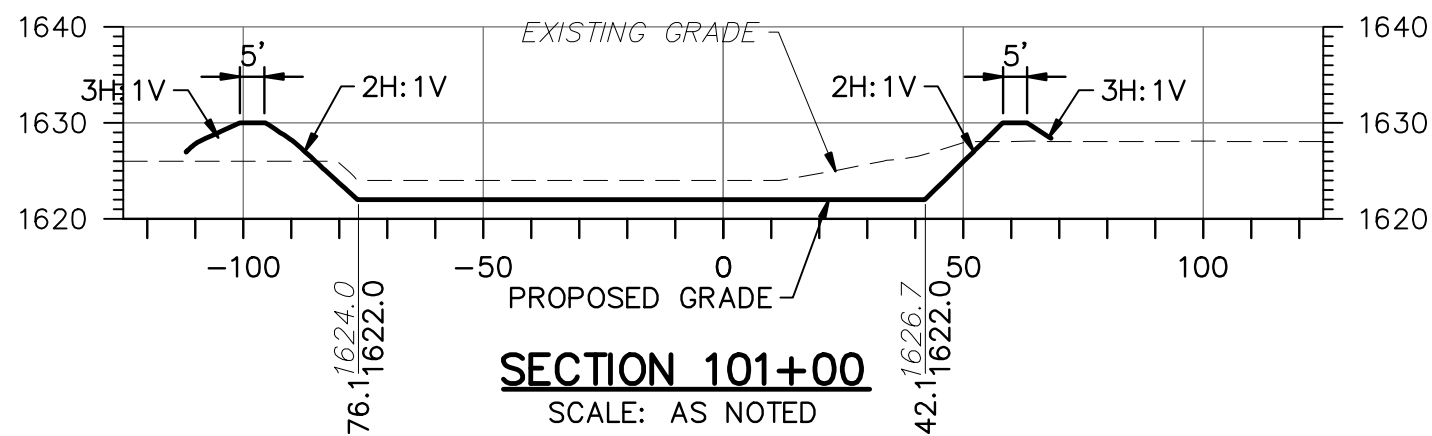
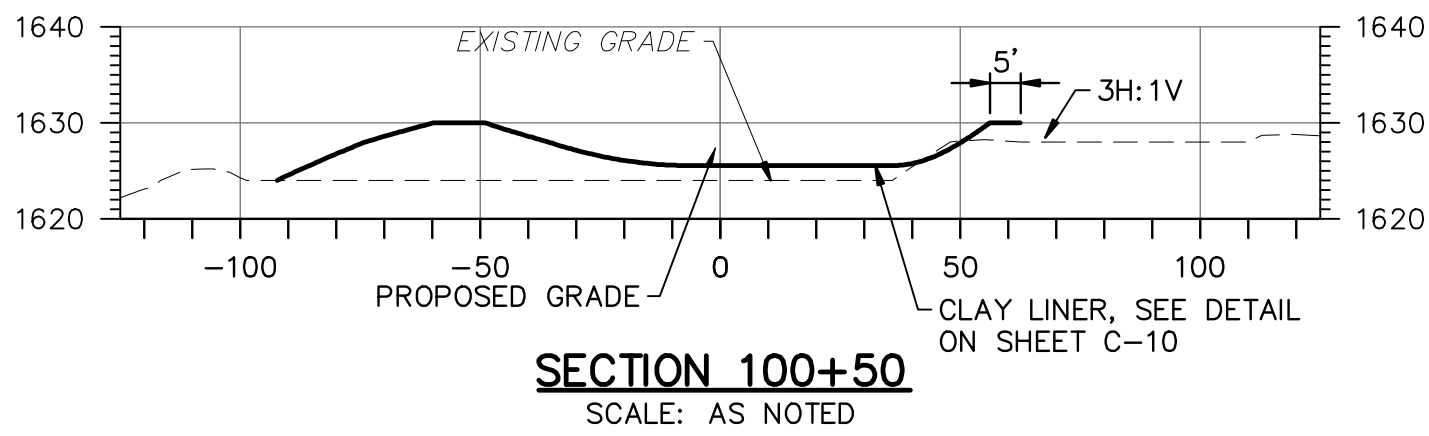


MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

SCALE: AS NOTED

DATE:	3/17/10
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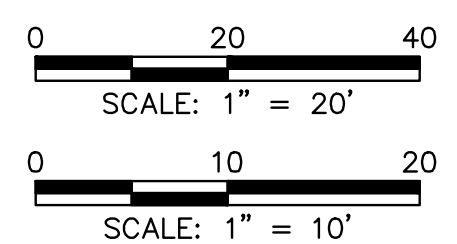
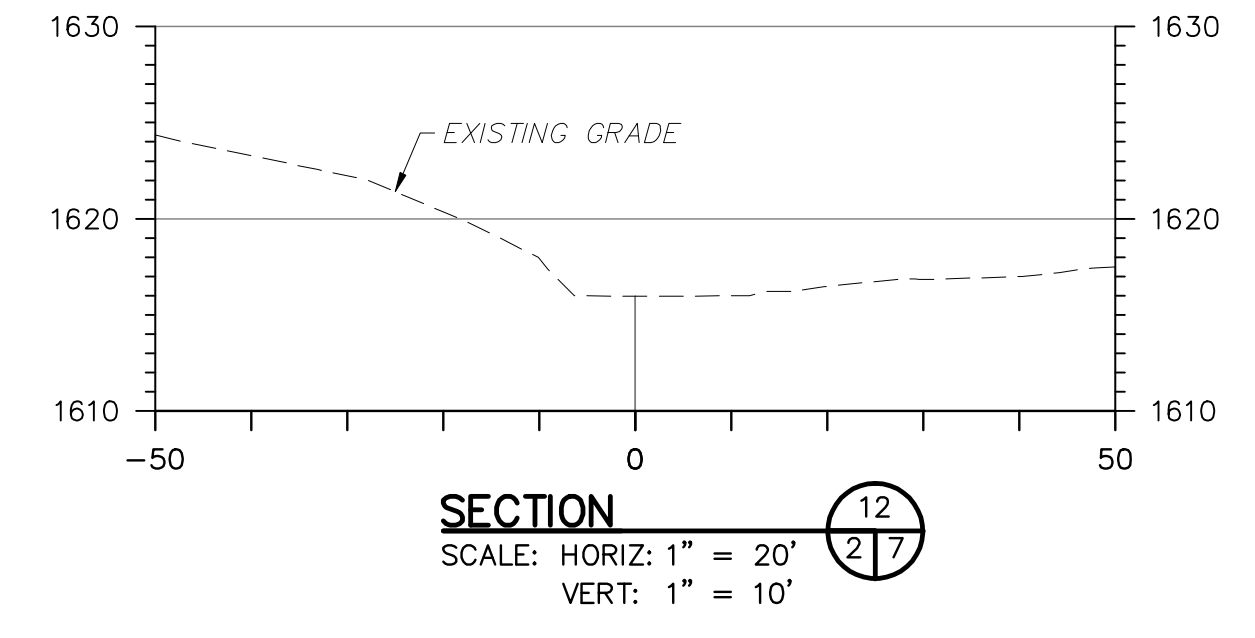
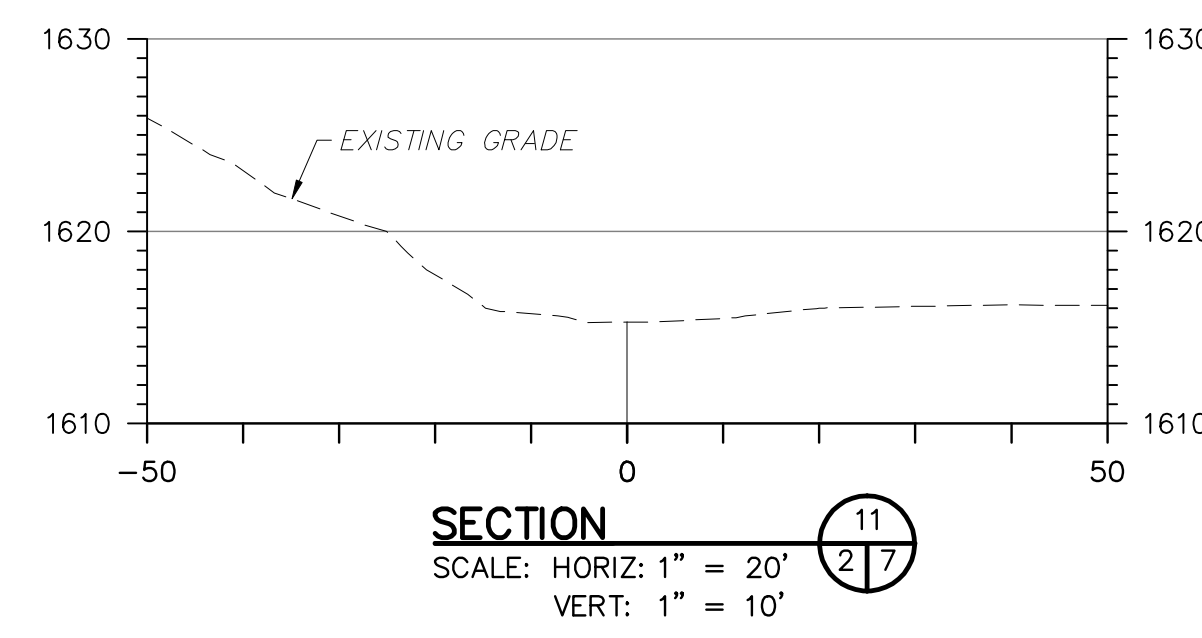
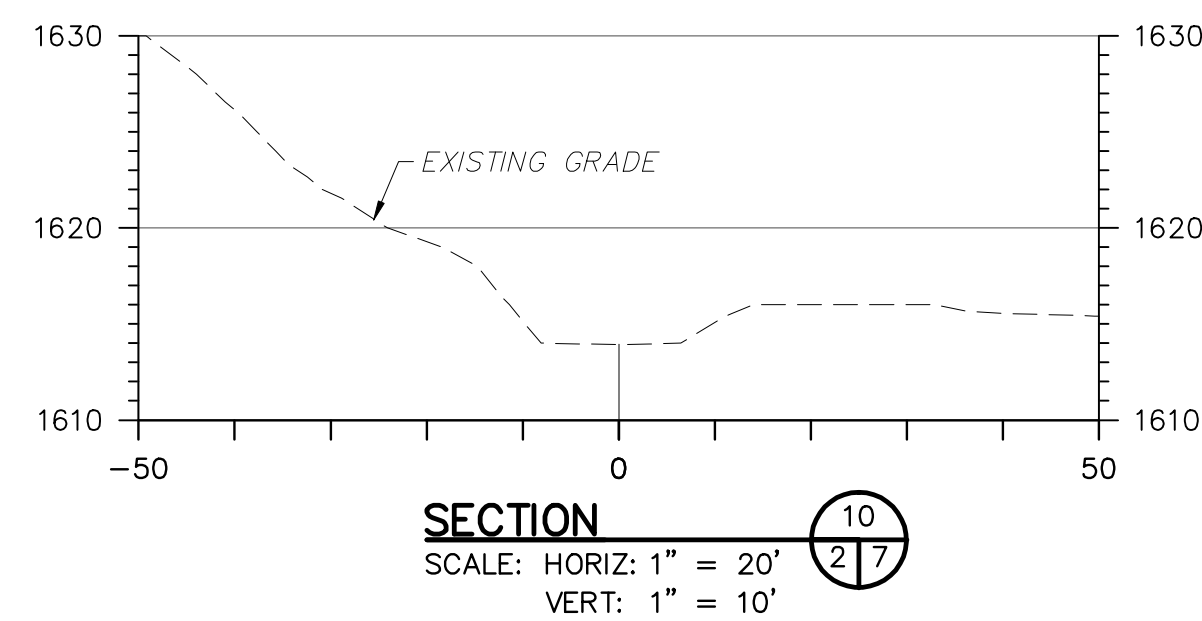
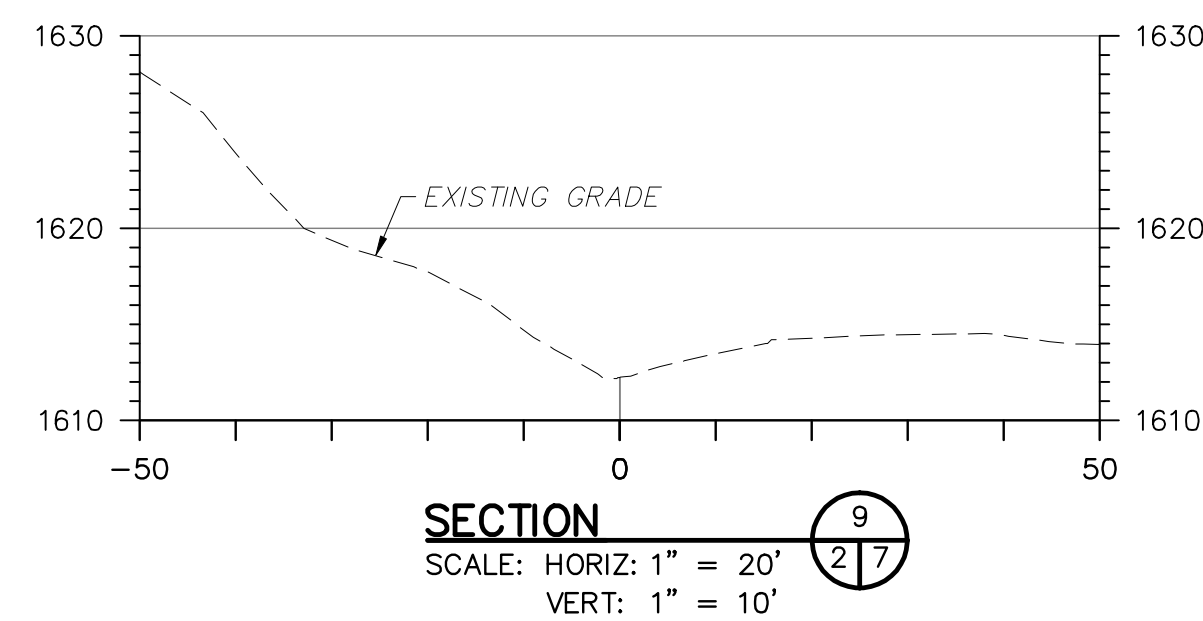
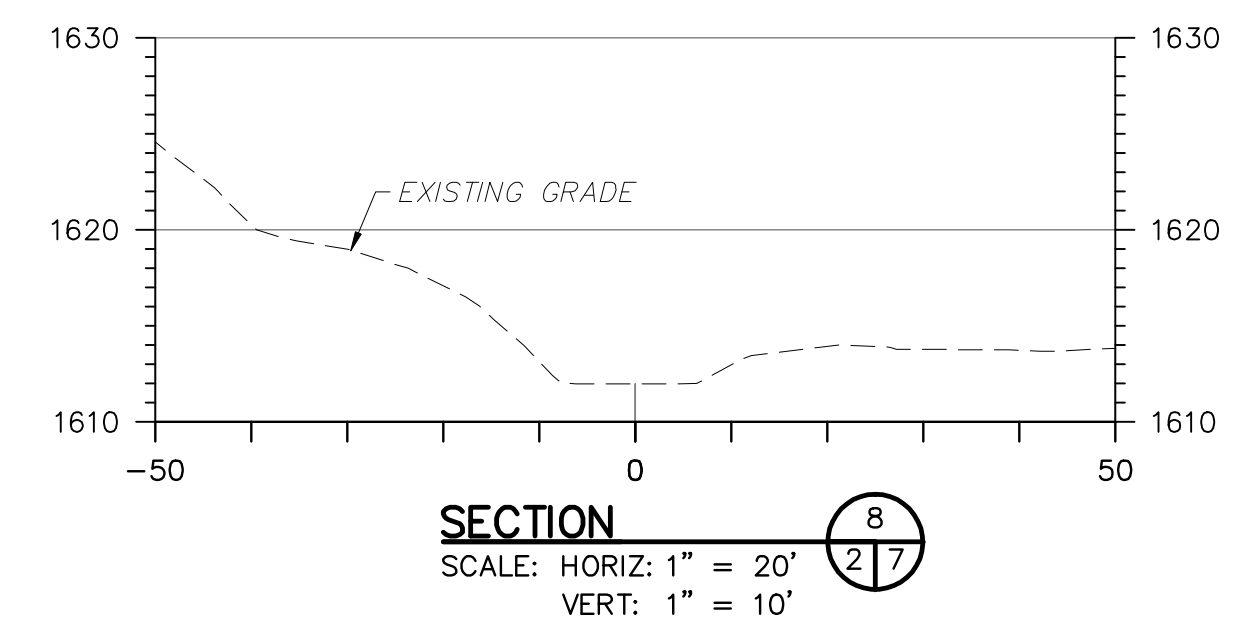
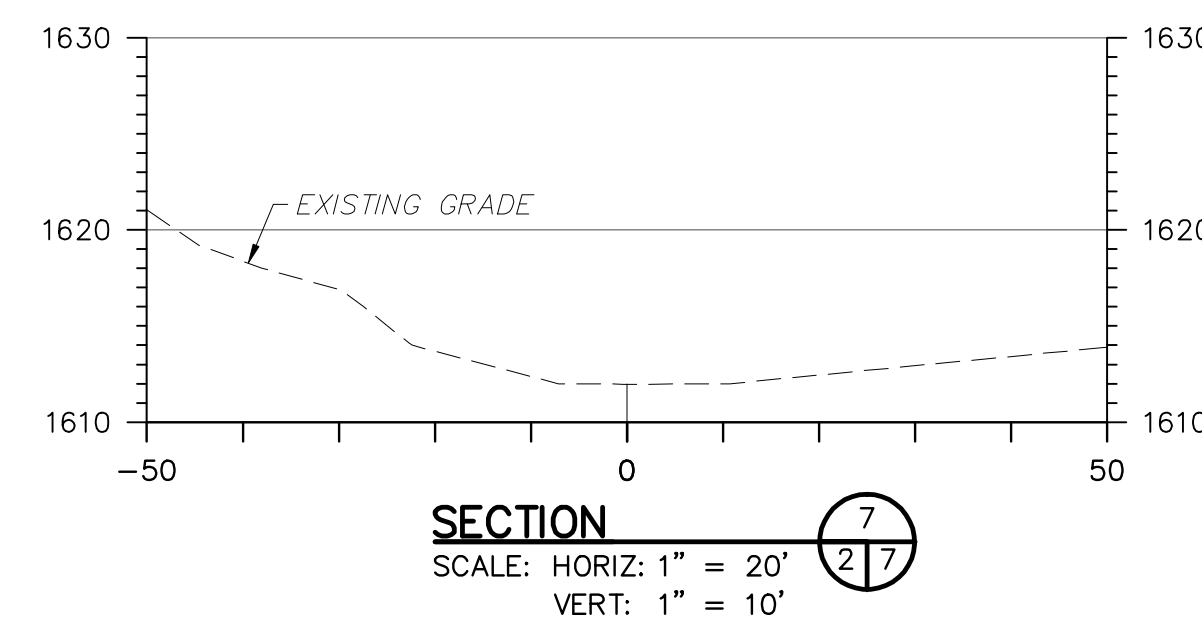
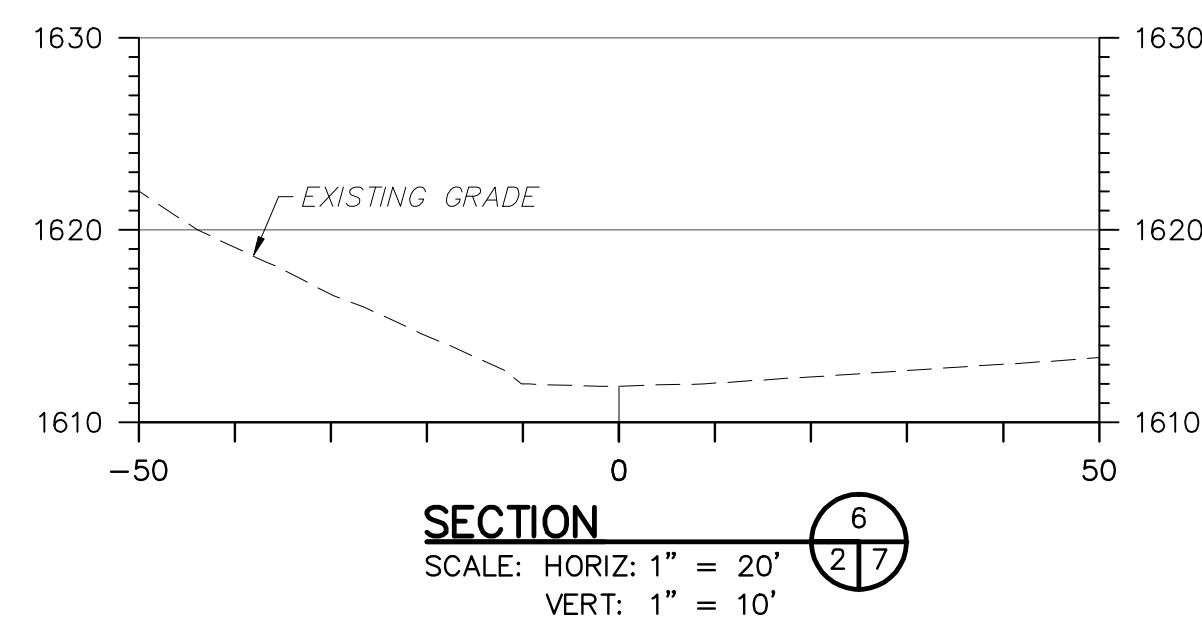
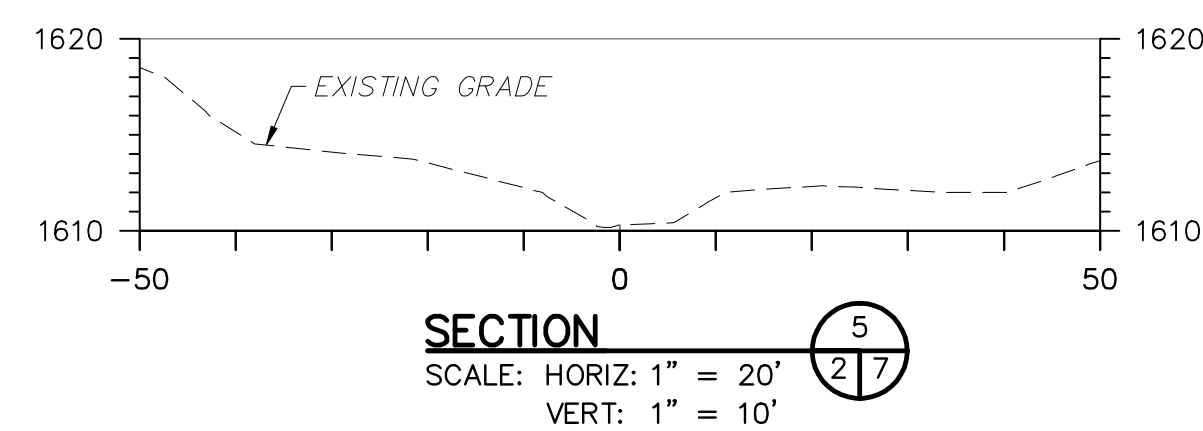
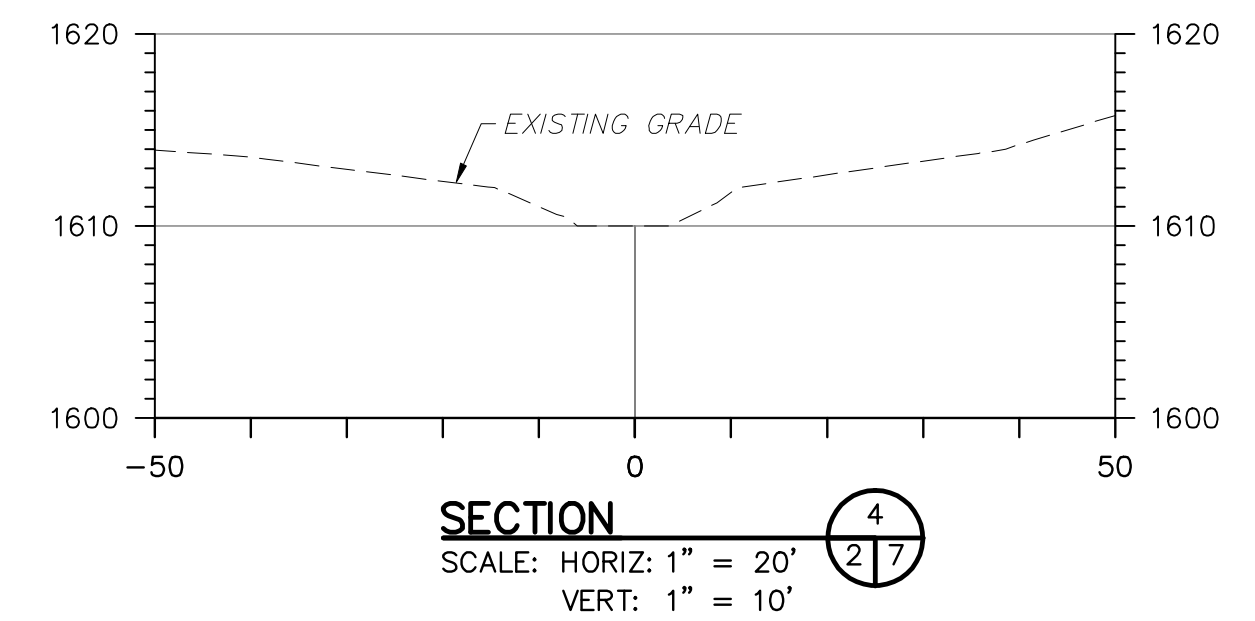
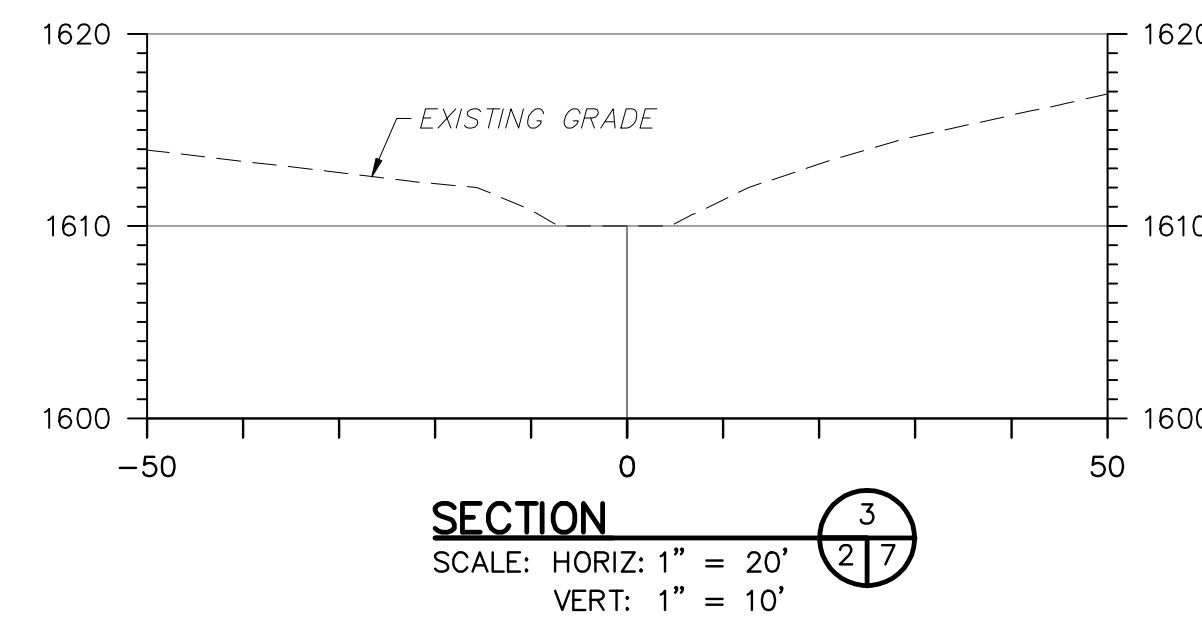
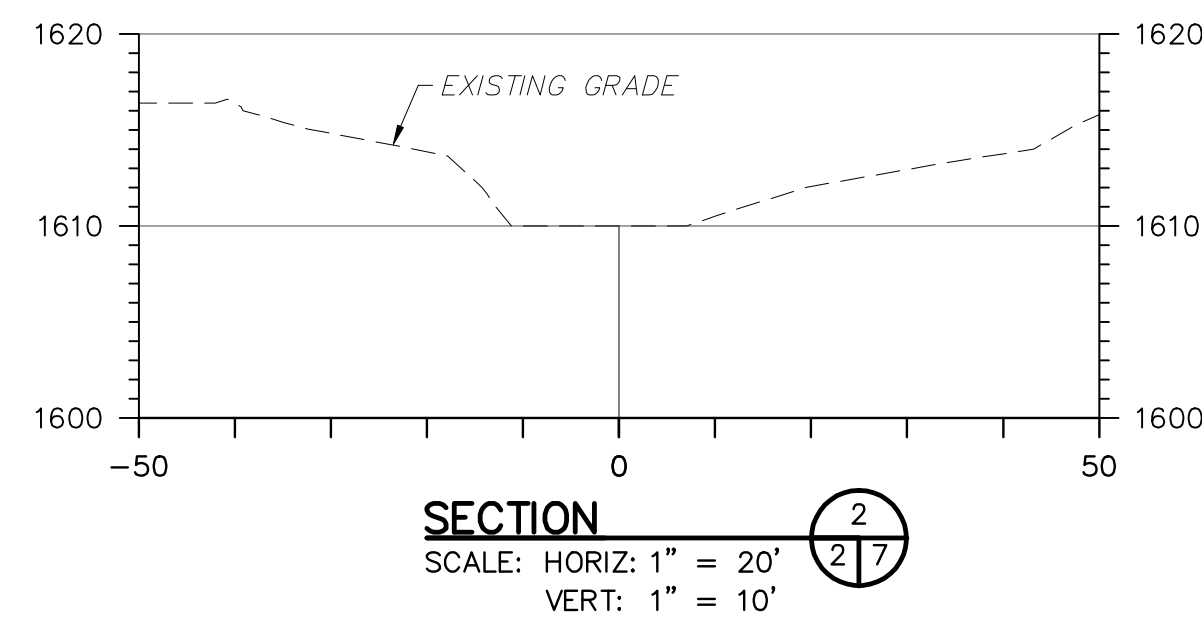
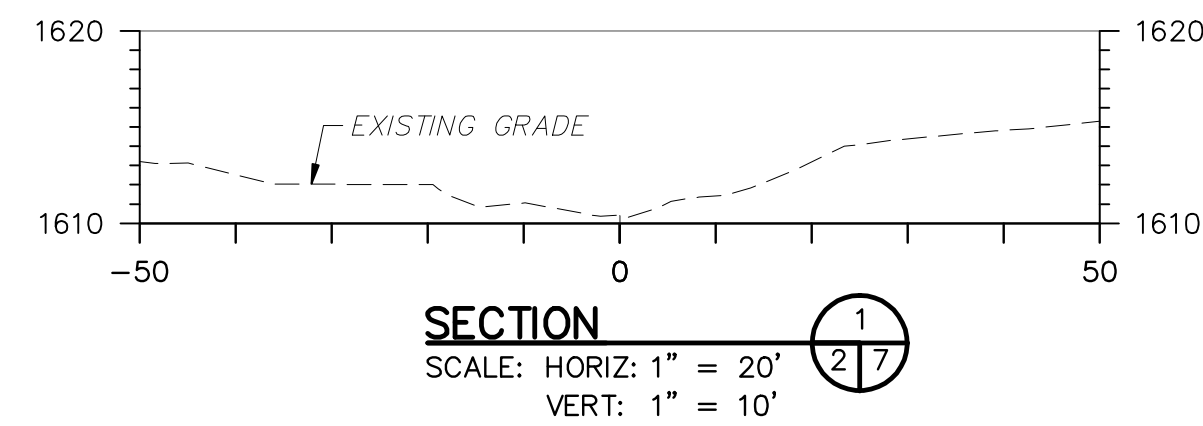
MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

INDIANA COUNTY CONSERVATION DISTRICT
INDIANA COUNTY, PENNSYLVANIA

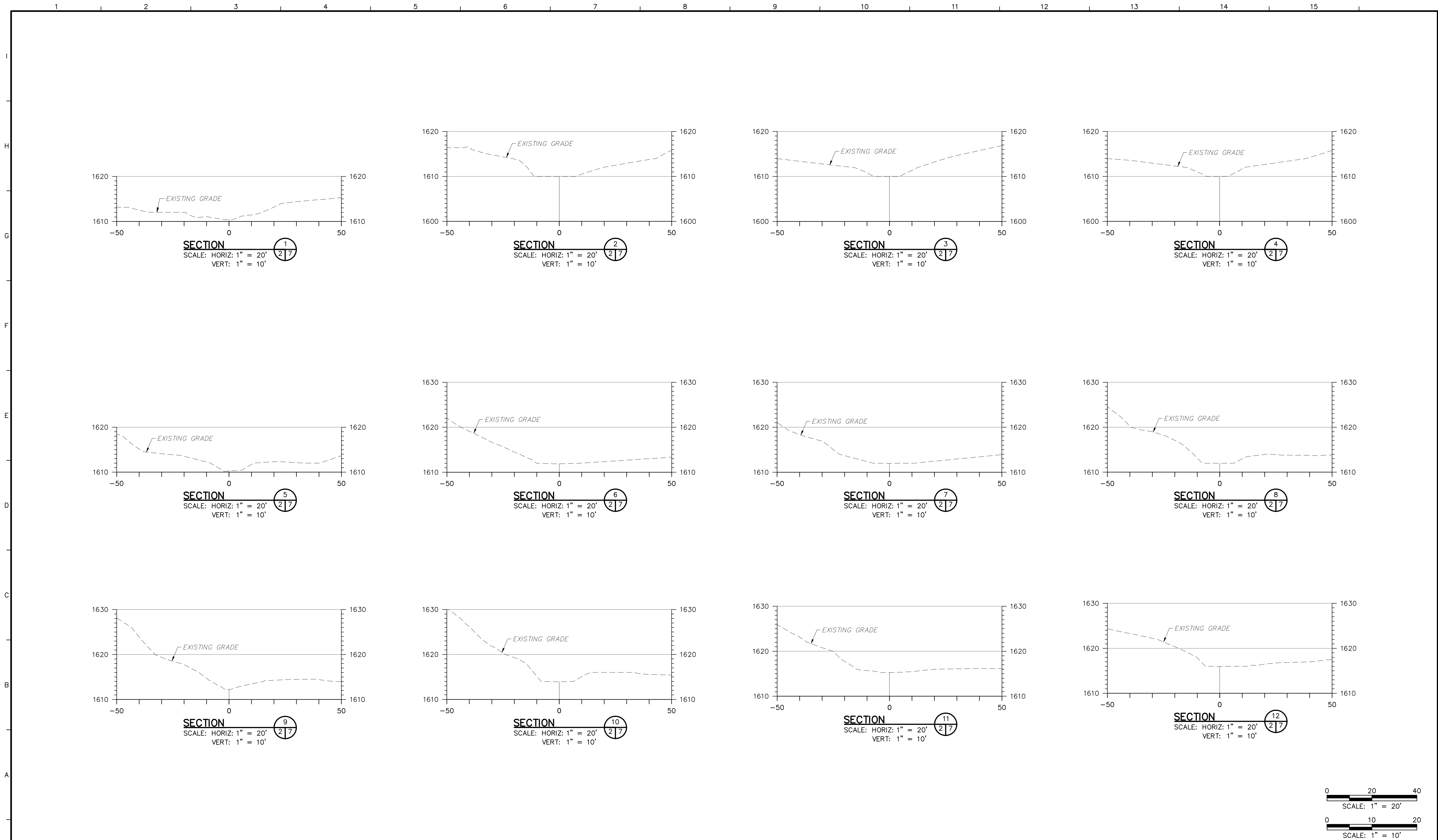
**BEAR RUN PHASE II
CLEAR WATER POND SECTIONS**

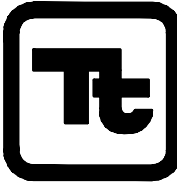
SCALE: AS NOTED

DATE:	3/17/10
PROJECT NO.:	112C01943
DESIGNED BY:	ARB
DRAWN BY:	BH
CHECKED BY:	ARB
SHEET:	6 OF 11
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	1	3/17/10	ADDENDUM #1	BH		





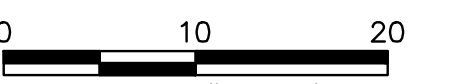
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PITTSBURGH, PA 15220
T: (412) 921-7090 | F: (412) 921-4040

MARK	DATE	DESCRIPTION	BY
1	3/17/10	ADDENDUM #1	BH

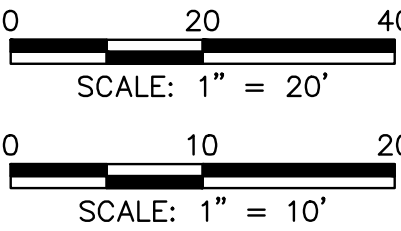
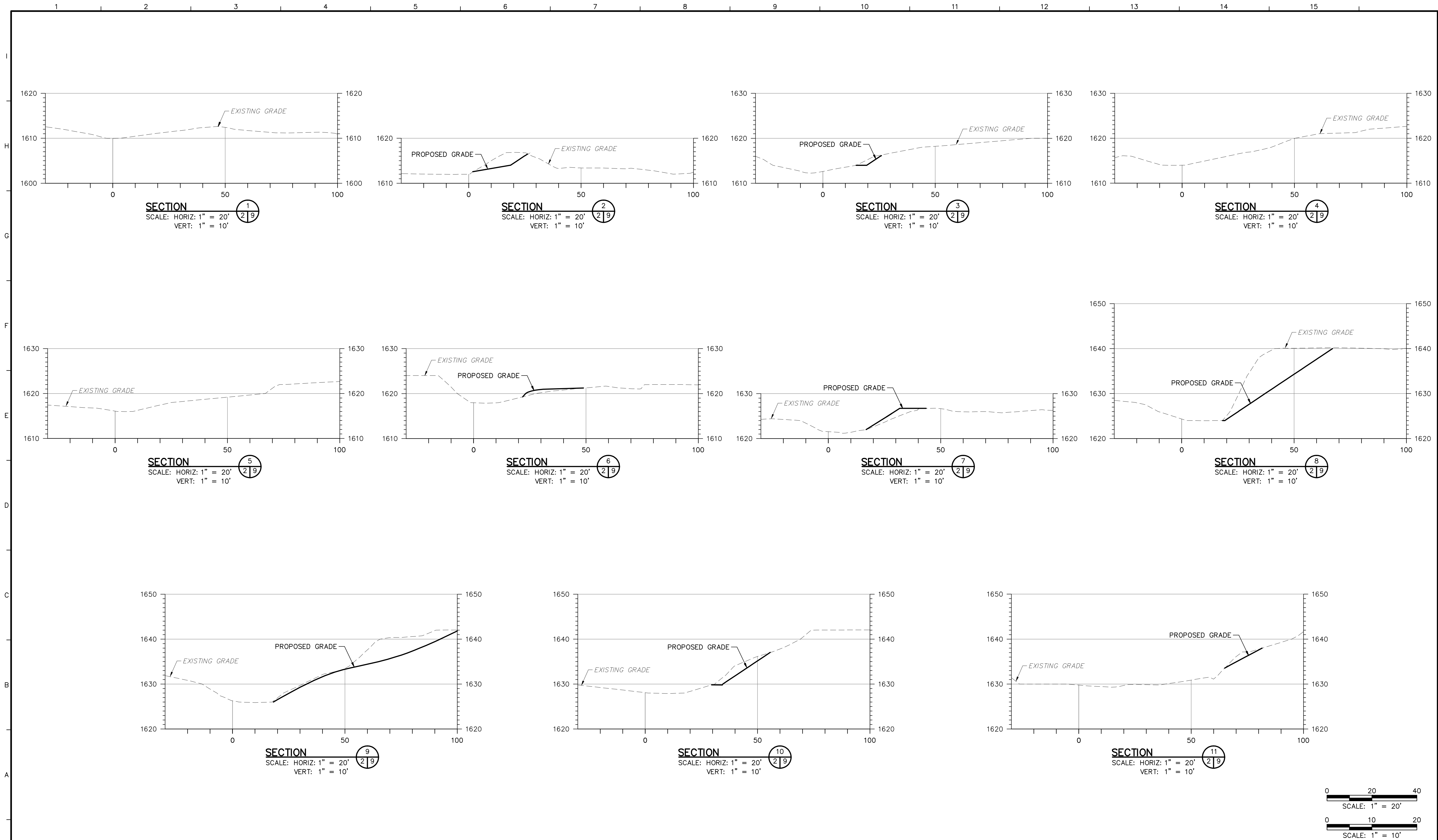
INDIANA COUNTY CONSERVATION DISTRICT
INDIANA COUNTY, PENNSYLVANIA

**BEAR RUN PHASE II
UPSTREAM SECTIONS**
SCALE: AS NOTED

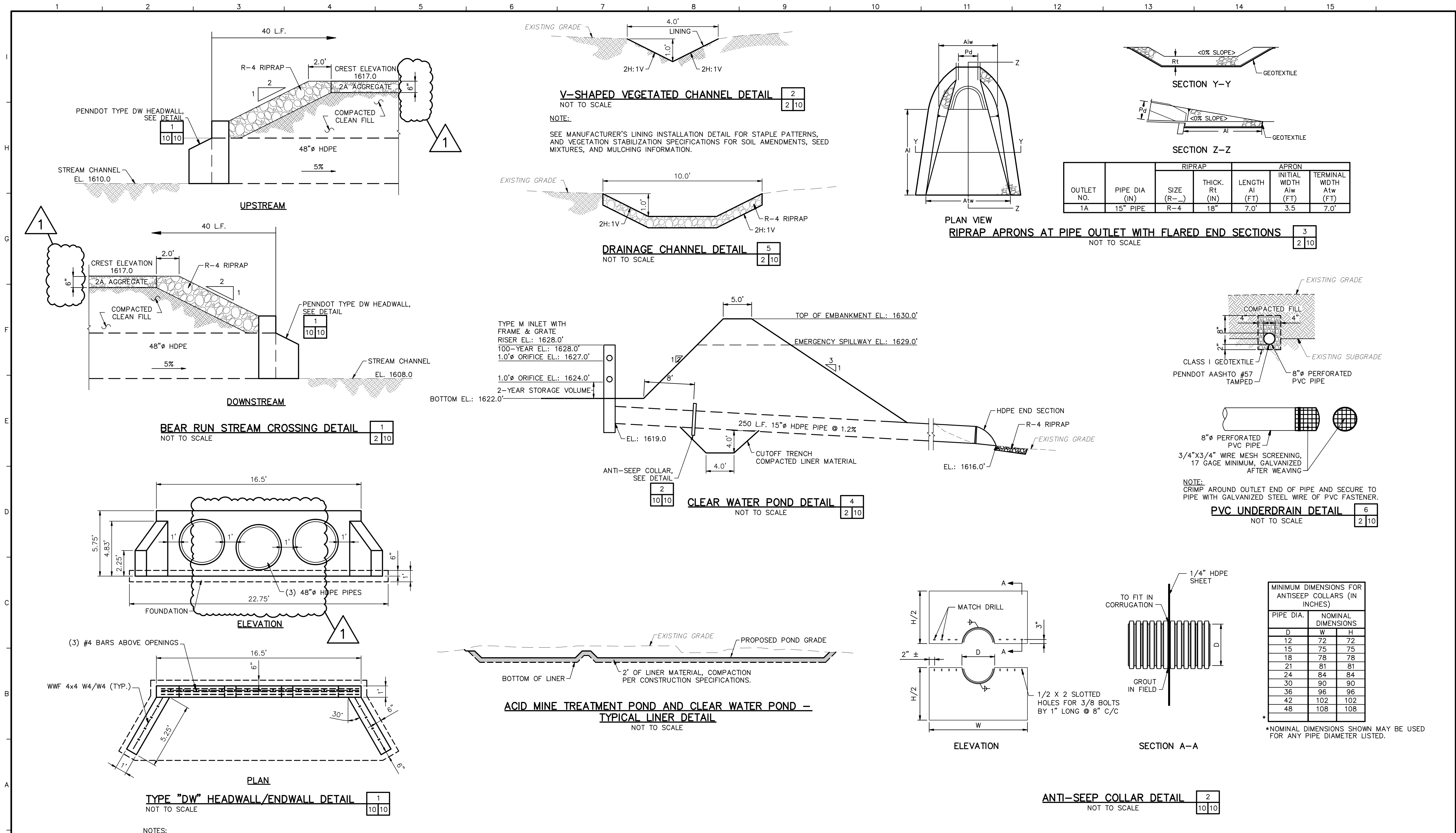
DATE:	3/17/10
PROJECT NO.:	112C01943
DESIGNED BY:	ARB
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CHECKED BY:	ARB
SHEET:	7 OF 11
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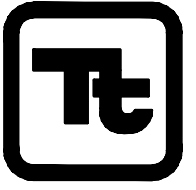
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		1	3/17/10	ADDENDUM #1	BH		PROJECT NO.: 112C01943
							DESIGNED BY: ARB
							DRAWN BY: BH
							CHECKED BY: ARB
							SHEET: 9 OF 11
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- NOTES:
1. MINIMUM CONCRETE STRENGTH = 4000 PSI @ 28 DAYS, PennDOT CLASS AA.
 2. TYPE "DW" HEADWALL/ENDWALL DESIGNED PER PennDOT SPECIFICATIONS.
 3. EXPOSED EDGES TO HAVE 1"x1" CHAMFER.
 4. MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH PUBLICATION 408 SECTIONS 605 & 741.
 5. STEEL REINFORCEMENT A615 GRADE 60 HORIZONTAL & VERTICAL.

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	1	3/17/10	ADDENDUM #1	BH		PROJECT NO.: 112C01943 DESIGNED BY: ARB DRAWN BY: BH CHECKED BY: ARB SHEET: 10 OF 11 COPYRIGHT TETRA TECH INC.