RHINO
CASTLE VALLEY MINING LLC

C/015/0025
Received 8/20/19
Task #5982

7 Aug 2019

Mr. Steve Christensen
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801

#2 Belt Conveyor Disturbed area expansion TS-13 & TS-5 amendment Submittal, Castle Valley Mining, LLC, C/015/0025

Dear Sir:

Castle Valley Mining is submitting an amendment to their current MRP.

#1- Our #2 Belt conveyor will periodically spill when it gets overloaded. CVM is committed to keeping coal spillage cleaned up every year and will continue as needed. Inspector recommendations from Steve Demzak and Priscilla Burton state that we need to contain the coal spillage. In this part of the amendment Chapter 2-41 and 2-42 need modification as well as Plates 2-3F & 5-2F(See Attachments).
The modification of TS-13 expansion will result in less than 0.06 acres. This small expansion does not reflect any change on the bond calculation.
The modification of TS-13 expansion is covered under the Bear Canyon Mine Wild Horse Ridge Project located in Chapter 2-F.

#2- Priscilla Burton recommended some clarification on Chapter 2-38 (TS-5). This committing upon final reclamation the cleaning up of and coal fines.

Your prompt attention in this matter would be greatly appreciated.

Sincerely,

JAREN JORGENSEN

Jaren Jorgensen
Engineer

P.O. Box 475 • Huntington, UT 84528
Phone (435) 687-5454 • Fax (435) 687-5037

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: Castle Valley Mining, LLC
Mine: Bear Creek Mine **Permit Number:** ACT 015/0025
Title: TS-5 & TS-13 Amendment

Description, Include reason for application and timing required to implement:
Modify TS-13 & commit to coal clean up on TS-5

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: 0.06 ☒ increase ☐ decrease.
☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes ☒ No 6. Does the application require or include public notice publication?
☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
☒ Yes ☐ No 17. Does the application require or include construction, modification, or removal of surface facilities?
☐ Yes ☒ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
☐ Yes ☒ No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

JAREN JORGENSEN	ENGINEER	08/19/2019	
Print Name	Position	Date	Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 19th day of August, 2019

Notary Public: Miranda Lofley, state of Utah.

My commission Expires: 03-26-2022
Commission Number: 699728
Address: 305 E Main
City: Elmo State: Ut Zip: 84521

} ss:

MIRANDA LOFLEY
NOTARY PUBLIC
STATE OF UTAH
COMMISSION # 699728
COMM. EXP. 03/26/2022

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining

Form DOGM- C1 (Revised December 10, 2007)

APPLICATION FOR COAL PERMIT PROCESSING
Detailed Schedule Of Changes to the Mining And Reclamation Plan

Permittee: Castle Valley Mining, LLC
Mine: Bear Creek Mine **Permit Number:** ACT 015/0025
Title: TS-5 & TS-13 Amendment

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED
☐ Add	☒ Replace	☐ Remove	PLATE 2-3F
☐ Add	☒ Replace	☐ Remove	PLATE 5-2F
☐ Add	☒ Replace	☐ Remove	CHAPTER 1-14
☐ Add	☒ Replace	☐ Remove	CHAPTER 2-38
☐ Add	☒ Replace	☐ Remove	CHAPTER 2-41
☐ Add	☒ Replace	☐ Remove	CHAPTER 2-42
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Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.	Received by Oil, Gas & Mining

Table 1-4 Surface Disturbance Summary				
DESCRIPTION	**Total acres**	**Pre-1977 acres**	**New acres**	**Reclaimed Acres**
Ball Park Topsoil Pile	1.27	-0-	1.27	
Lower Haul Road	1.6	1.6	-0-	
Sed Pond B & Scale Office Pad	2.6	1.23	1.37	
Sed Pond A	0.75	-0-	0.75	
Main Pad Area	12.32	8.89	3.43	
Portal Access Road	3.25	0.02	3.23	
Blind Canyon Seam Portal Area	0.63	0.51	0	1.18
Upper Storage Pad	0	-0-	0	0.87
Shower House Pad	2.19	-0-	2.19	
Tank Seam Access Road	0	-0-	0	2.91
Tank Seam Portal Pad	0	-0-	0	0.66
No. 3 Mine Access Road	3.26	-0-	3.26	
Conveyor belt Access/Topsoil Stockpile	1.5 1.56	-0-	0.06	
Upper Conveyor belt Access Road No. 2	0.96	-0-	0.96	
WHR Blind Canyon Seam Portal Area	1.58	-0-	1.58	
1No. 4 Mine Access Road	0.89	-0-	0.89	
2WHR Tank Seam Portal Pad Area	2.22	-0-	2.22	
TOTAL	35.02 35.08	12.25	21.15 21.21	5.62

116.200 No Response is needed

2,563 cu. yd. non-regraded substitute topsoil material. 2,080 cu. yd. of the available substitute topsoil will be used in the remaining area giving a depth of at least 12 inches of substitute topsoil material over the entire area.

TS-4 Sediment Pond A. The embankment material from sed pond A is vegetated indicating good suitability as substitute plant growth material. 1,418 cu. yd. of substitute topsoil material is available in the recovered area. 1,008 cu. yd. of this material will be used giving a minimum depth of 10 inches.

TS-5 Main Pad Area. Covering approx 12.32 acres, this is the largest of the disturbed areas. Approx one third of this area is covered with coal storage. All but approx two acres of this area are within the pre-1977 disturbed area and did not have topsoil recovered for reclamation purposes. Coal fines will be cleaned up upon final reclamation. Although the coal storage and traffic within this area will compact the fill material, testing shows that it is suitable as plant growth material. Fill used for the upper layer of recontouring material will come from the outer or eastern edge of the pad. This material was the topsoil prior to Mining. 75,286 cu. yd. of substitute topsoil material was tested in the recovered area. 15,181 cu. yd. of this material will be used giving a minimum depth of 12 inches over the entire area. 15,428 cu. yd. of fill material will be generated in this area for use in TS-7 and TS-8.

TS-12 Wild Horse Ridge Access Road This road existing prior to mining and will remain in place after mining activities. Some upgrading and widening of the road will be required for mining use, so topsoil will be recovered from isolated areas of new disturbance and placed in the topsoil storage pile shown on Plate 2-3F and 2-2B. These soils were identified as Winetti soils, and approximately 15" of topsoil will be salvaged from 0.22 acres. A total volume of 444 yd^3 of topsoil will be salvaged. These same areas will require topsoil redistribution during reclamation. The 15" depth recovered from these areas will be redistributed at the same depth. Additional plant growth material will not be required.

TS-13 Conveyor belt Access/Topsoil Stockpile: This area will have topsoil recovered for reclamation purposes. The depth of recovery will be as follows: 12"of topsoil from 0.41 acres of the Pathead-Cabba Complex; 15" of topsoil from 0.30 acres of Winetti soil; and 40" from 0.43 acres of Doney Complex. (See Appendix 2-F). A total volume of 3,579 yd^3 will be recovered from this area. This includes 2,354 yd^3 located within the topsoil storage area. Topsoil from this area and additional areas will be stored as shown on Plate 2-2B. Sources for contamination are minimal since this area is isolated form the majority of the mining activities. Following recontouring at the time of final reclamation, the topsoil material recovered prior to construction will be spread over the surface to obtain an approximate depth of 13 to 14 inches. Some topsoil from this area may be available for use in other areas of the mine site, since up to 40" of topsoil was originally recovered from parts of this area (see R645-301-231.400).

This area modified 8-1-2019 to reflect the modification of an expansion of disturbed area boundary located on Plate 2-3F. Belt conveyor spillage frequent in this area and will be cleaned up upon 4" or more coal spillage weather permitting. South side boundary line will be lined with

straw bales to contain any coal spillage. Area too steep to recover any topsoil. Straw wattles will be placed where needed on the slope to prevent erosion. This area including expansion will be revegetated upon final reclamation.

TS-14 Upper Conveyor belt/Access Road: The depth of topsoil recovered will be as follows: 15" of topsoil from 0.03 acres of Doney-Cabba-Podo Complex; 30“ of topsoil from 0.47 acres of Datino-Guben Complex; and 10" of topsoil from 0.16 acres of Winetti-Rock Outcrop Complex. A total volume of 2,171 yd^3 will be recovered from this area. Topsoil will be relocated to the Wild Horse Ridge topsoil stockpile shown on Plate 2-2B and 2-3F. Topsoil recovered form this area will be redistributed at an average depth of 13 to 14 inches. Topsoil redistribution will be performed in conjunction with regrading due to the remoteness of the site and the reclamation procedures for this area.

TS-15 WHR Blind Canyon Seam Portal: The depth of topsoil recovered will be as follows: 15" of topsoil from 0.19 acres of Doney-Cabba-Podo Complex; 30" of topsoil from 0.97 acres of Datino-Guben Complex; 10" of topsoil from 0.34 acres of Winetti-Rock Outcrop Complex; and 10" of topsoil from 0.08 acres of Guben-Pathead Complex. A total volume of 4,860 yd^3 will be salvaged from this area. Topsoil will be relocated to the Wild Horse Ridge topsoil stockpile shown on Plate 2-3F and 2-2B. Topsoil recovered form this area will be redistributed at an average depth of 13 to 14 inches. Topsoil redistribution will be performed in conjunction with regrading due to the remoteness of the site and the reclamation procedures for this area.

CASTLE VALLEY MINING
HUNTINGTON, UTAH

RECLAMATION AREA

SCALE:	DRAWN BY:	DATE:
1" = 50'	J.JORGENSEN	8-7-2019

BEAR CANYON | PLATE 2-3F

REV.	DATE	REMARKS	APPR.
1	8/01/02	Changed name from 8-5F to 2-3F	12/8/05
2	8/07/19	Revised disturbed area boundary	
3			
4			
5			
6			
7			
8			
9			
10			

SCALE 1"= 50'
50' 25' 0' 50' 100' 150'
CONTOUR INTERVAL 2'
PHOTOGRAPHY DATE SEP 3, 1991 & OCT 20, 1995

N

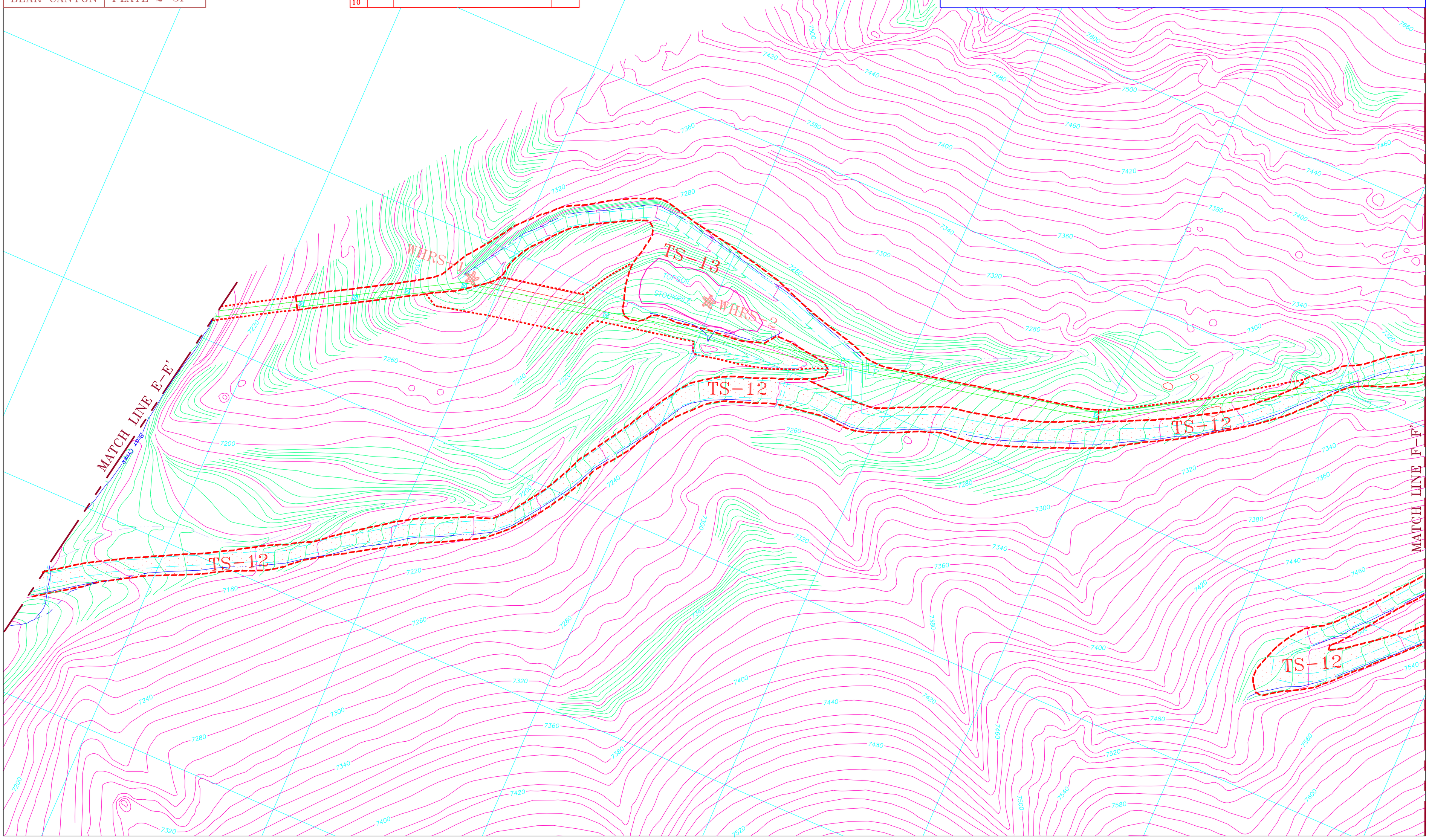
LEGEND

DISTURBED AREA
CONTOUR LINE 6980
RECLAMATION AREA
AREA NOT REQUIRING RECONTOURING OR TOPSOIL WITHIN THE DISTURBED AREA
TOPSOIL SAMPLE LOCATIONS

NOTE: WHERE DISTURBED AND RECLAMATION BOUNDARIES COINCIDE, ONLY THE RECLAMATION BOUNDARY IS SHOWN.

SEE PLATE 7-7 FOR POST MINING DRAINAGE.

SEE PLATES 2-4 FOR SURFACE FACILITIES, PERMIT BOUNDARY AND PRE-1977 DISTURBANCE.



CASTLE VALLEY MINING

HUNTINGTON, UTAH

SURFACE FACILITIES

SCALE:	DRAWN BY:	DATE:
1" = 50'	J.JORGENSEN	8-7-2019

BEAR CANYON | PLATE 5-2F

REV.	DATE	REMARKS	APPR.
1	6/25/01	WHR surface facilites added (SR98-1)	7/03/01
2	8/01/02	Changed name from 2-4F to 5-2F	12/8/05
3	5/09/16	Revised topsoil pile & road	
4	4/30/18	Revised topsoil pile Outline	
5	8/7/19	Revised disturbed area boundary	
6			
7			
8			
9			
10			

SCALE 1"= 50'

50' 25' 0' 50' 100' 150'

CONTOUR INTERVAL 2'

PHOTOGRAPHY DATE SEP 3, 1991 & OCT 20, 1995

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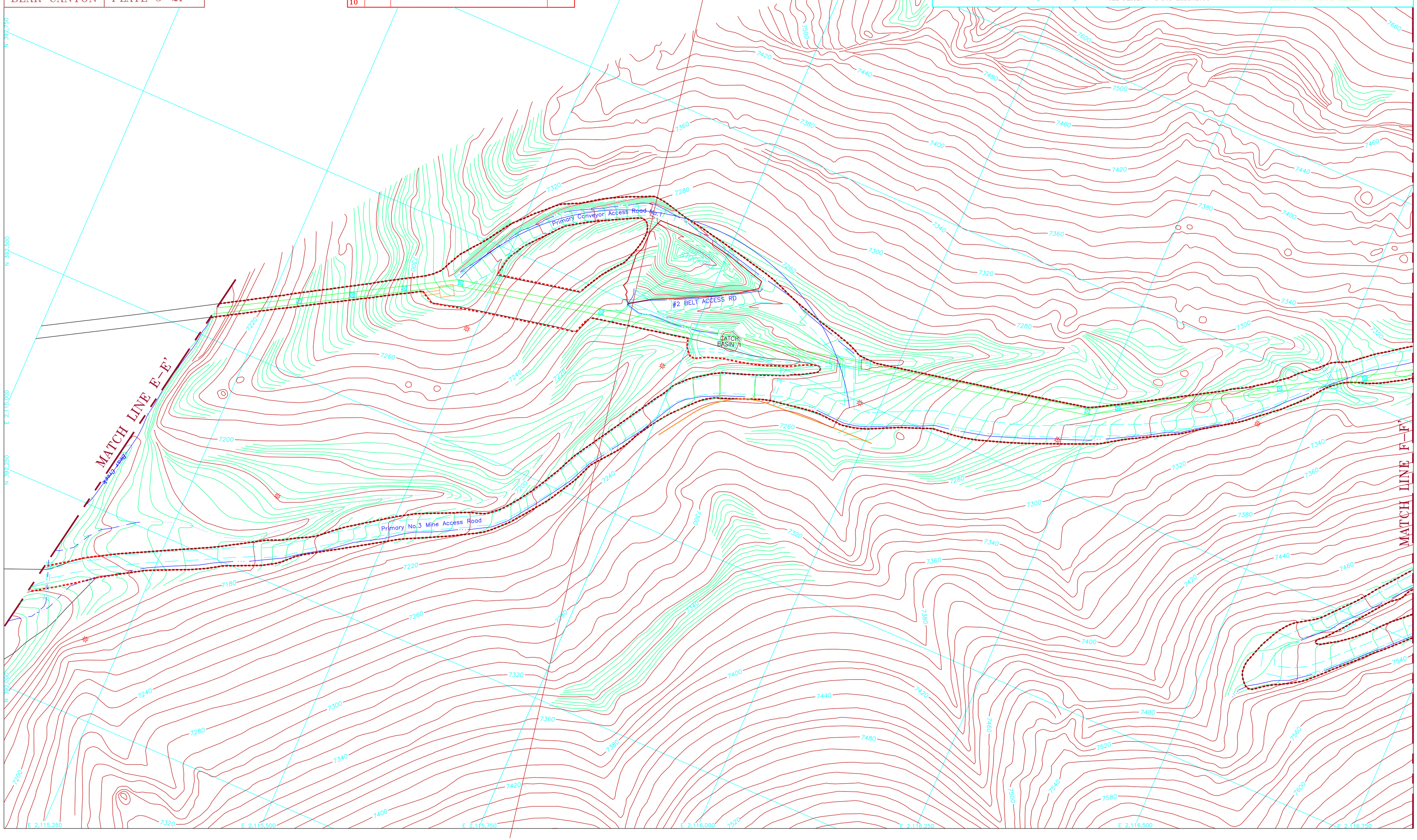
LEGEND

- PERMIT BOUNDARY
- DISTURBED AREA
- PRE-1977 DISTURBANCE
- CULVERTS
- CONTOUR LINE (6980)
- UNPAVED ROADS
- SECTION LINE
- SEE PLATES 7-1 FOR HYDROLOGY
- PAVEMENT
- WATER LINES (W)
- DRAINAGE
- POWER POLES
- STREAM BUFFER ZONE MARKERS