



J&T Consulting, Inc.

June 11, 2024

Mr. Rob Zuber
Environmental Protection Specialist
State of Colorado
Division of Reclamation, Mining, and Safety

Physical Address:

1313 Sherman Street, Room 215
Denver, CO 80203

Mailing Address:

Division of Reclamation, Mining and Safety, Room 215
1001 East 62nd Avenue
Denver, CO 80216

RE: Bernhardt Sand and Gravel Pit, File No. M-2023-025,
112c Permit Application, Third Adequacy Review

Dear Mr. Zuber,

WW Clyde & Co. (WW Clyde) has received the Division's Second Adequacy Review letter dated June 6, 2024. Below are the comments and the corresponding responses that we have provided to address the comments.

Comments

6.4.7 Exhibit G – Water Information

17) To ensure that the Bernhardt Pit does not impact the hydrologic balance of the river, the application needs to include a water quality monitoring plan, specifically for the alluvium. The groundwater monitoring plan should be developed in accordance with Rule 3.1.7(7)(b) and should include a Quality Assurance Project Plan (QAPP) for the collection of groundwater samples. The plan should provide mitigation steps if there is an exceedance at a groundwater or surface water monitoring location. Potential impacts to quality and/or quantity of nearby domestic wells should also be addressed. A copy of the Division's enclosure to this letter for your reference.

Maps showing the groundwater drain (including but not limited to Exhibit F) need to clearly show that they will be constructed. The words "if required" must be removed from the maps.

Response: Acknowledged. See Updated Exhibit F maps.

WW Clyde appreciates your consideration of this adequacy review response.

Please feel free to contact me with any questions or comments.

Sincerely,

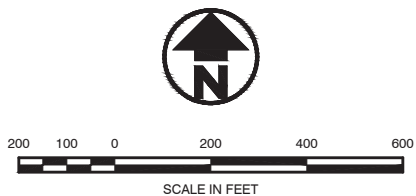
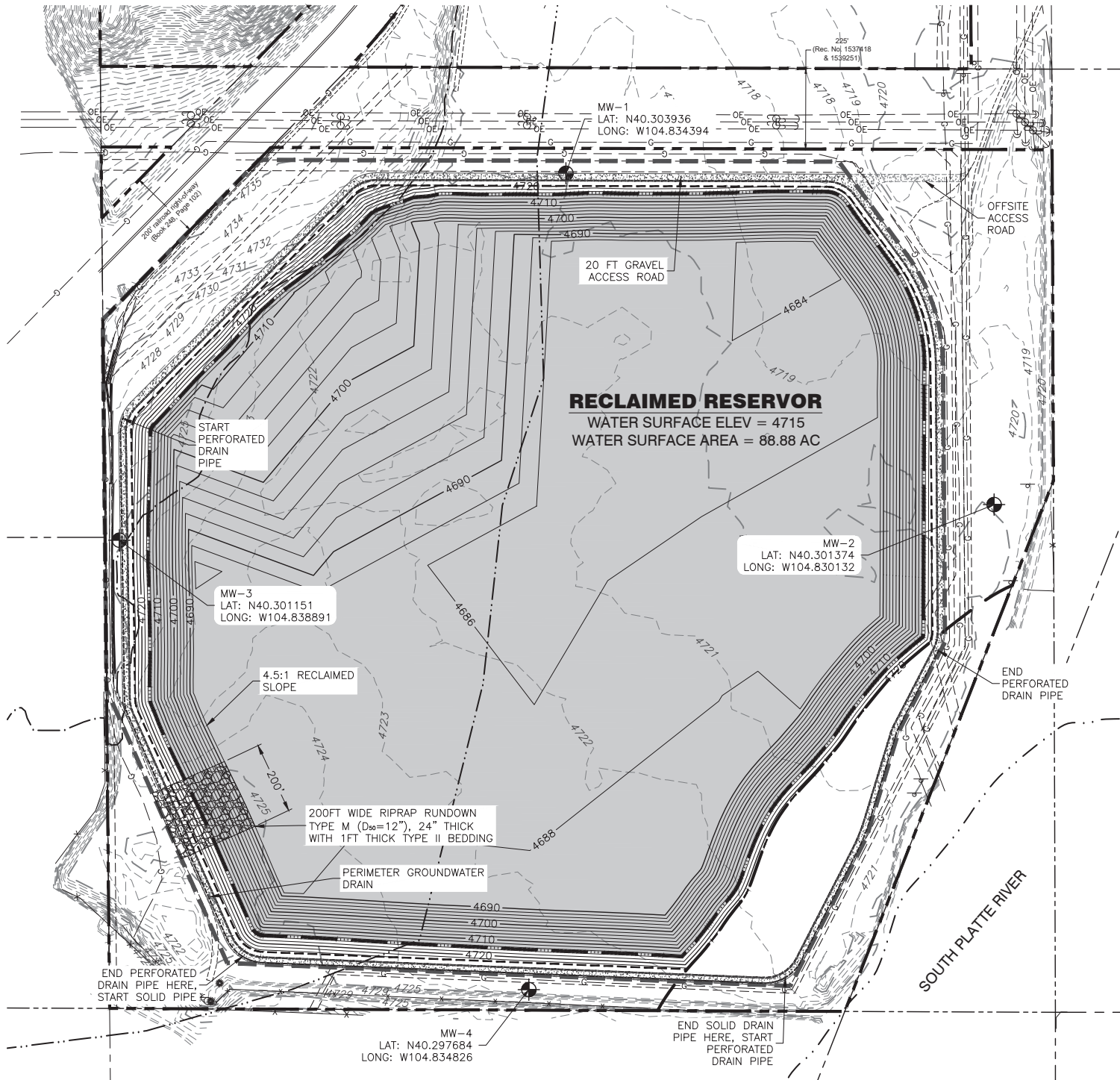
J.C. York, P.E.

J&T Consulting, Inc.

Attachments:

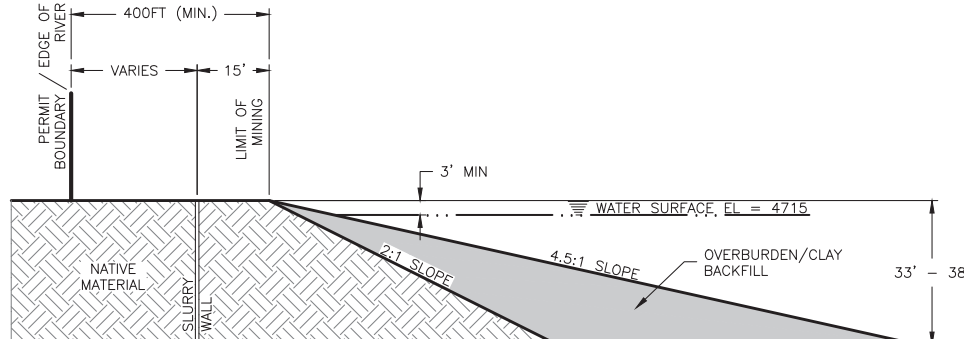
1. Updated Exhibit F-1 and F-2 Maps



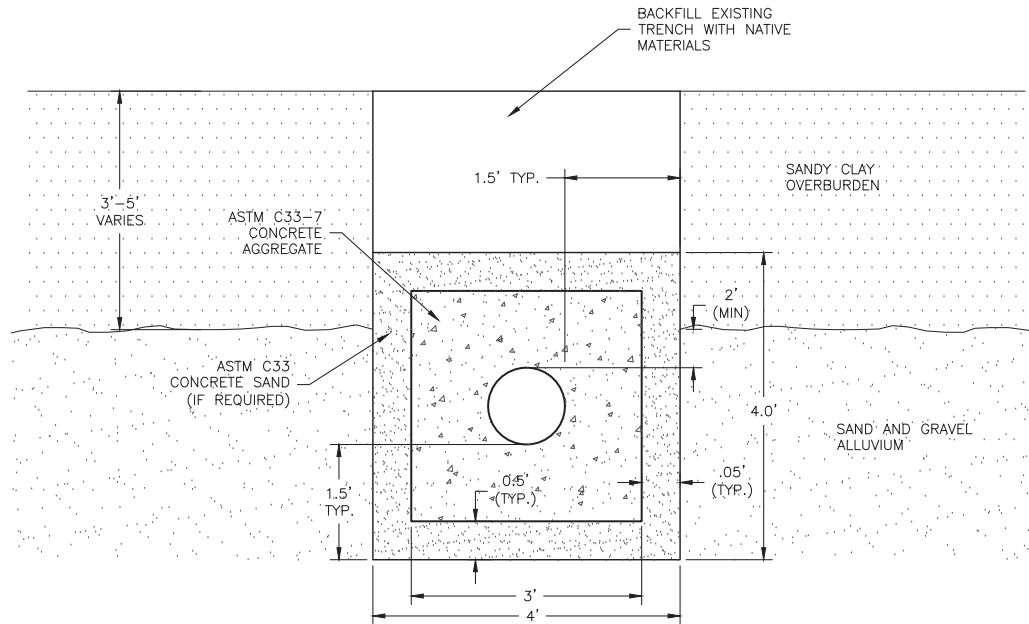


LEGEND:

---	EXISTING CONTOURS	---	EXISTING RIGHT-OF-WAY
---	PROPOSED CONTOURS	---	SECTION LINE
---	PROPERTY LINE	---	EXISTING 100 YR FLOODPLAIN
---	EXISTING FENCE	---	EXISTING 100 YR FLOODWAY
---	EXISTING ROADS	---	PERMIT BOUNDARY
---	EXISTING GAS LINE	---	WEST BANK OF RIVER
---	EXISTING OVERHEAD ELECTRIC	---	400FT SETBACK FROM RIVER BANK
---	EXISTING UNDERGROUND ELECTRIC	---	SLURRY WALL
---	EXISTING POWER POLE	---	RESERVOIR WATER SURFACE
		---	PERIMETER DRAIN (IF NEEDED)
		---	SCARIFY, TOPSOIL, SEED AREA



TYPICAL RECLAMATION SECTION
N.T.S.

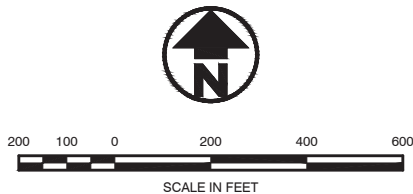
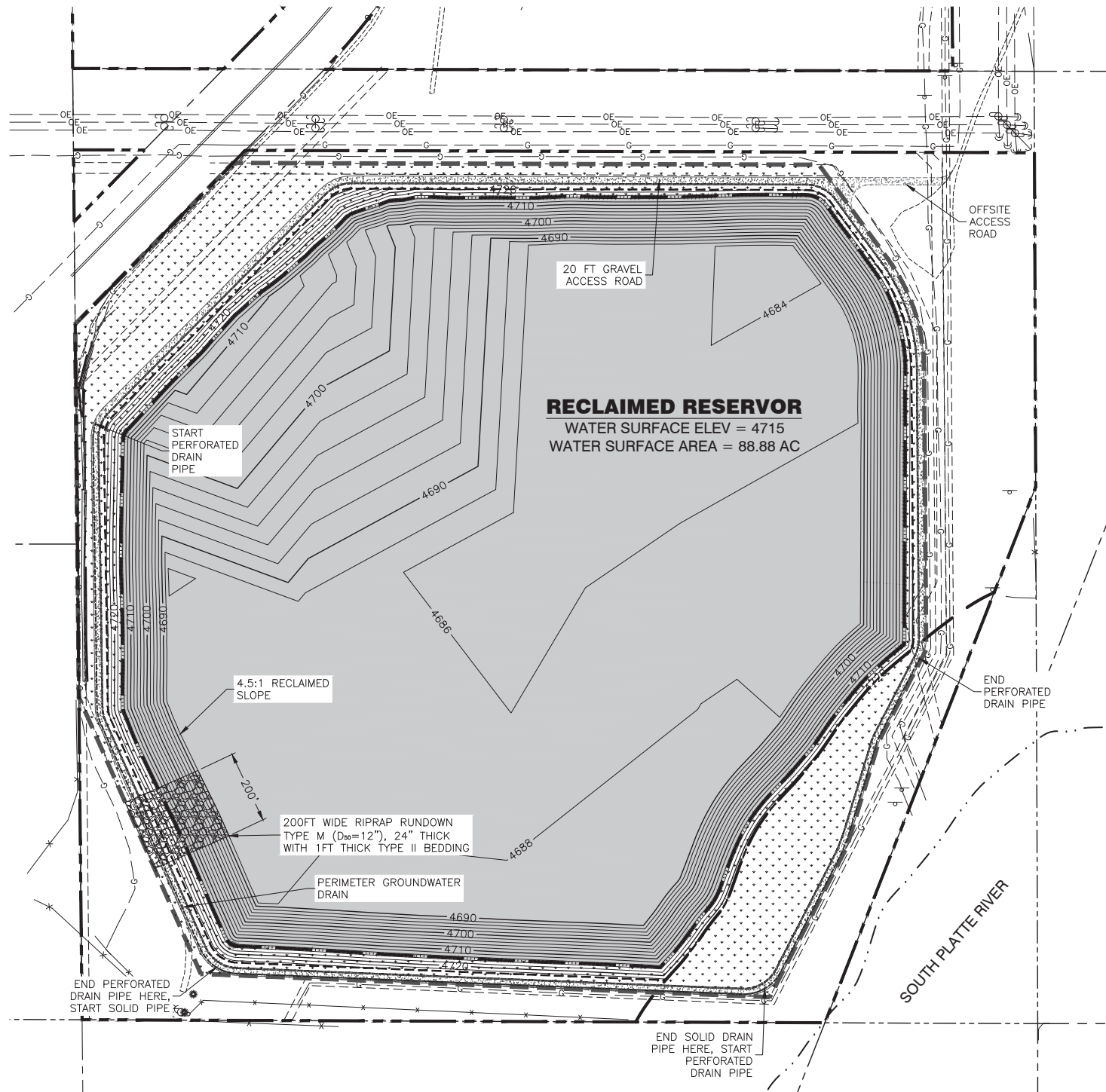


**PERIMETER GROUNDWATER DRAIN
(TYPICAL SECTION IF REQUIRED)**
N.T.S.

REVISIONS		Description	
No	Date	By	Chk

J&T Consulting, Inc.
J.C. York

Job #	22036
Date	03.12.24
Drawn By	TPY
Designed By	TPY
Checked By	JCY
File	JT-IHCS Bernhardt Rec.dwg
Scale	As Shown
Sheet:	Of:
1	2



LEGEND:

	EXISTING CONTOURS		EXISTING RIGHT-OF-WAY
	PROPOSED CONTOURS		SECTION LINE
	PROPERTY LINE		EXISTING 100 YR FLOODPLAIN
	EXISTING FENCE		EXISTING 100 YR FLOODWAY
	EXISTING ROADS		PERMIT BOUNDARY
	EXISTING GAS LINE		WEST BANK OF RIVER
	EXISTING OVERHEAD ELECTRIC		400FT SETBACK FROM RIVER BANK
	EXISTING UNDERGROUND ELECTRIC		SLURRY WALL
	EXISTING POWER POLE		RESERVOIR WATER SURFACE
			PERIMETER DRAIN (IF NEEDED)
			SCARIFY, TOPSOIL, SEED AREA

NOTE:

ALL DISTURBED AREAS OUTSIDE OF THE WATER SURFACE WILL BE SEEDED AND MULCHED, WITH THE EXCEPTION OF THE ACCESS ROAD, WHICH WILL BE GRAVEL SURFACED.

RECLAIMED AREA TABULATION:

WATER SURFACE = 92.35 AC
GRAVEL ACCESS ROAD = 3.59 AC
SCARIFY, TOPSOIL, SEED AREA = 15.07 AC
TOTAL AREA = 111.01 AC

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