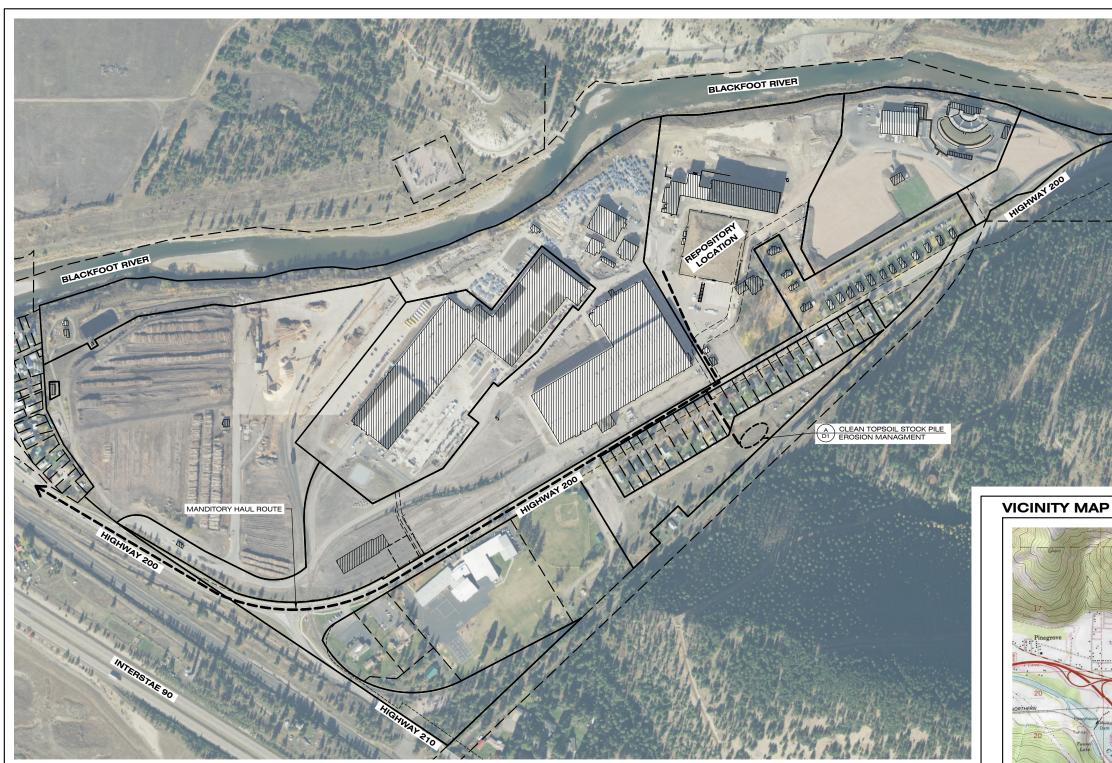
BONNER MILL REPOSITORY REMOVAL PLANS

LOCATED AT BONNER MILL

LOCATED IN SECTION 21 & 22, T.13N., R.18W., P.M.M., MISSOULA COUNTY, MONTANA.





CALL UTILITY NOTIFICATION CENTER OF MONTANA

1-800-424-5555

CALL FOR THE MARKING OF UNDERGROUND UTILITIES 2 BUSINESS DAYS BEFORE YOU DIG, GRADE, OR EXCAVATE



BASIS OF BEARING
GEODETIC NORTH PER
GPS OBSERVATION

VERTICAL DATUM

SHEET INDEX

DESCRIPTION	SHEET NO.
LEGEND AND NOTES	SHEET 2 OF 10
WORK PLAN EXHIBIT 1	SHEET 3 OF 10
WORK PLAN EXHIBIT 2	SHEET 4 OF 10
WORK PLAN EXHIBIT 4	SHEET 5 OF 10
WORK PLAN EXHIBIT 3-HAUL ROUTE	SHEET 6 OF 10
EXISTING CONDITIONS (PLAN VIEW)	SHEET 7 OF 10
EXISTING CONDITIONS (CROSS SECTIONS)	SHEET 8 OF 10
PROPOSED RECLIMATION (PLAN VIEW)	SHEET 9 OF 10
PROPOSED RECLIMATION (CROSS SECTIONS)	SHEET 10 OF 10
DETAIL SHEET	SHEET D1 OF D

CHECKED: CD

THIS PROJECT IN NAME AND A PACE.

COUNTY - BONK OSITORY REMOV

MISSOULA COUN REPOSITOR

SHEET: SHEET T

Pinegrove

Trailer
Park

West Riverside

20

21

22

21

22

23

Milltown Domark

Janacian

Milltown Domark

Janacian

Janacian

Bonner

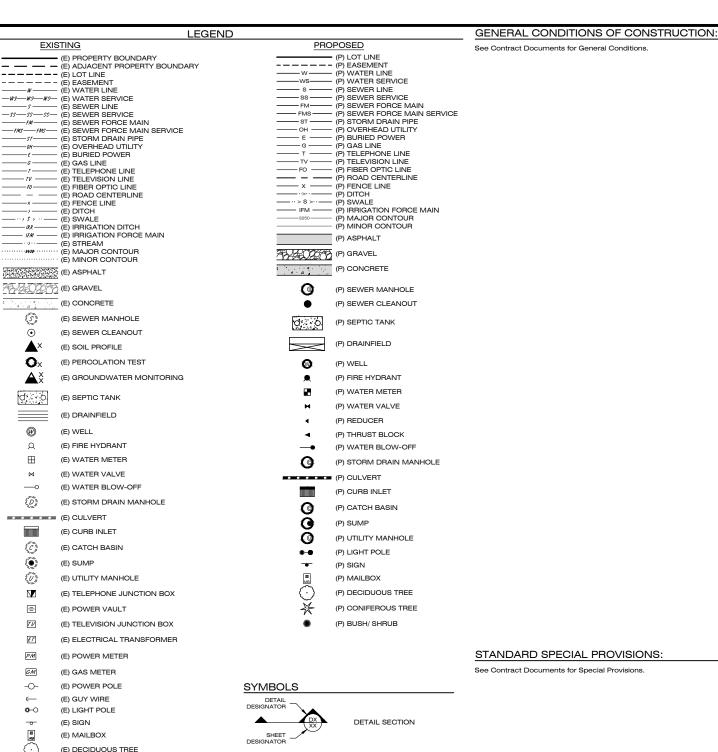
J

BONNER, MISSOULA COUNTY

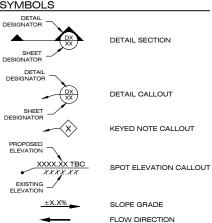
PROJECT STATUS

BELOW. THEREFORE, THE OWNER & CONTR CONTRACTS SHOULD NOT BE FINALIZED UNT	ACTOR ARE ADVISED	THAT BIDS 8
AGENCIES REVIEW STATUS:	REFERENCE #	APPROVA DATE
MISSOULA COUNTY	-	-
MDEQ	-	-

PLAN SET IS READY FOR CONSTRUCTION __YES _X_NO
AS-BUILT DATE:
PROJECT HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE WITH THE
ABOVE APPROVALS, STATED SPECIFICATIONS, AND SHOWN HERE IN, UNLESS



See Contract Documents for Special Provisions



UTILITY NOTES:

- The Contractor shall notify appropriate personnel for utility locations and notice of construction commencement at least two business days prior to proceeding with the Work. Before Contractor proceeds with the Work, a common locate service (One Call)
- the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including

 - The cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - Reviewing and checking all such information and data.
- standards and specifications.

 5. All utility work shall be completed before paving.

SUBMITTALS, QUALITY CONTROL & ASSURANCE, INSPECTIONS, AND TESTING:

- 2. Contractor shall comply with Project Coordination, Section 01041, MPWSS

- 10. Contractor shall complete trench excavation and backfill in accordance with Section 02221 MPWSS. This includes backfill for storn
- 11. The Contractor shall coordinate with Engineer to obtain samples of trench backfill material to be used on-site. This includes backfill
- 13. The Contractor will be required to prepare a set of detailed as-built drawings to be presented to the Engineer at the completion of the project. The as-built drawings shall be updated daily and reviewed weekly by the Project Engineer. As-built drawings shall include, but not limited to location/depths of existing utilities encountered during completing the Work and location/depths of installed infrastructure completed as part of the Work. Installed infrastructure includes culverts, ponds, storm drainage systems

CONSTRUCTION NOTES:

- 1. All Work shall be in accordance with the Montana Public Works Standard Specifications (MPWSS), Sixth Edition, dated April 2010,
- 3. Contractor shall comply with Construction Traffic Control. Section 01570. MPWSS.
- from invert of pipe, unless noted otherwise.
- Elevations shown on the Drawings are to finished surface grade unless otherwise indicated.

 Elevations for curb and gutter are for top back of curb, unless otherwise indicated. Elevations provided at curb lay downs are for the "projected" top back of curb, as though the specified curb was being installed through the lay down. This allows the contractor
- whichever is more restrictive
- 9. If more than one acre will be disturbed during construction the contractor is responsible to notify DEQ or submit Storm Water

CONSTRUCTION STAKING:

- 2. Contractor is responsible to coordinate and request staking at least five days in advance, unless otherwise agreed upon in writing
- 4. Cut sheets will be provided to the contractor with elevation from hub to finished grade, unless noted otherwise. Cut sheets for pipe installation provide the elevation from the hub to the invert of the pipe, unless noted otherwise.

 5. Engineer does not consider staking to be complete and ready for use until cut sheets have been delivered to Contractor
- Contractor's uses of construction staking prior to receipt of cut sheets is at contractor's risk. Any work incorrectly installed due to contractor's use of preliminary construction staking will be removed and replaced at contractor's expense.

GRADING NOTES:

- All ramps shall be sloped @ 12:1 max (8.33%) with a cross slope less than 2%.
- 4. Compact subgrade and gravel cushion to 95% proctor density or per geotechnical engineering report, whichever provides a gravel

ABBREVIATIONS:

BC	BACK OF CURB	MUTCD	MANUAL ON UNIFORM TRAFFIC
BP	BEGINNING POINT		CONTROL DEVICES
BSW	BACK OF SIDEWALK	NWE	NORTHWESTERN ENERGY
CBU	CLUSTER BOX UNIT	(P)	PROPOSED
CMP	CORRUGATED METAL PIPE	PRC	POINT OF REVERSE CURVATURE
ELEV	ELEVATION	PC	POINT OF CURVATURE
EP	ENDING POINT	PT	POINT OF TANGENT
(E)	EXISTING	PVI	POINT OF VERTICAL INTERSECTION
FFEL	FINISHED FLOOR ELEVATION	R	RADIUS
FG	FINISHED GRADE	ROW	RIGHT OF WAY
FL	FLOWLINE	SF	SQUARE FOOT
HP	HIGH POINT	SIM	SIMILAR
I.E.	INVERT ELEVATION	STA	STATION
INV	INVERT	STD	MISSOULA COUNTY STANDARD DRAWING
LD	LAYDOWN	SW	SIDEWALK
LF	LINEAR FOOT	TBC	TOP BACK OF CURB
MAX	MAXIMUM	TOA	TOP OF ASPHALT
MIN	MINIMUM	TOC	TOP OF CONCRETE
ME	MATCH EXISTING	TYP	TYPICAL
M.E.P.	MECHANICAL, ELECTRICAL, & PLUMBING	U.N.O.	UNLESS NOTED OTHERWISE
MPOC	MID POINT OF CURVE	WSD	MISSOULA CITY OF WATER STANDARD DRAWING

is available at 1-800-424-5555. All Underground Facilities may not be located by the One Call service including but not limited to such Underground Facilities as irrigation systems, public and private water and sewer systems, etc.

The information and data shown or indicated in the Drawings with respect to existing Underground Facilities at or contiguous to

USE CONSULTING

CIVIL ENGIN

DESIGNED: MS

GW

PROPERT

BONNER

PLANS ES SHEE

REPOSITORY FEGEND & NOTE

N

ONNER

Ö

₹

5 φ

' 쮼

outh Ave.

Owner, or by others. Unless it is otherwise noted:

a. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or date; and

Locating all Underground Facilities shown or indicated in the Drawings, Coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and The safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work. At least 2 business days before beginning any excavation, the Contractor shall, according to MCA 69-4-501, notify all owners of underground facilities and coordinate the Work with the owners of such underground facilities. The information

shown or indicated in the Drawings with respect to existing underground facilities is based on information and data obtained from the owners of the facilities without field exploration, and as such, Owner and Engineer are not responsible for the accuracy or completeness of such information or data.

The Contractor shall support and protect all exposed utilities in conformance with the utility owner's standards.

4. All utility services shall be constructed per the International Plumbing Code, Local Jurisdictional policy, and the service provider

- Contractor shall comply with Summary of Work, Section 01010, MPWSS
- Contractor shall comply with Field Engineering, Section 01050, MPWSS. Replace Part 1.1.A with "Notify Engineer of required survey work at least 5 days before starting work.
- Contractor shall comply with Submittals, Section 01300, MPWSS
- Contractor shall comply with the Contractor Quality Control and Owner Quality Assurance, Section 01400 MPWSS.
- Contractor shall comply with Contract Closeout, Section 01700, MPWSS
- Contractor shall comply with all Density Control Testing, Part 1.3, for Sub Base Course, Section 02234 MPWSS. This does not exclude any other requirements of Section 02234 MPWSS.
 Contractor shall comply with all Density Control Testing, Part 1.3, and Materials Submittals, Part 1.4, for Crushed Base Course,
- Section 02235 MPWSS. This does not exclude any other requirements of Section 02235 MPWSS.

 9. Contractor shall comply with Pavement and Material Testing Requirements, Part 3.29, for Asphalt Concrete Pavement, Section 02510 MPWSS. This does not exclude any other requirements of Section 02510 MPWSS.
- drainage infrastructure.
- for storm drainage infrastructure.
- 12. Contractor will be responsible for coordination with a material testing company of the Owner's selection to complete compaction testing of trench backfill. Coordination includes updating appropriate personnel employed by the material testing company every work day as to progress of work so adequate testing can be completed.
- catch basins, dry-well sumps, storm manholes, swales, ditches, dry utilities (gas, power, phone, etc.), and road and pedestrian features such as handicap ramps, sidewalks, roads, curb and gutter, etc.

- Local Jurisdictional Standards, Special Provisions, and Contract Documents.

 Contractor shall comply with Construction and Temporary Facilities, Section 01500, MPWSS.
- 4. For road plan and profile sheets, the stationing and elevations provided are for finished grade at centerline of road, unless noted
- 5. For proposed pipe installations (culverts, storm drains, irrigation, etc.), the stationing is from centerline of pipe and elevations are
- to set his curb string line or forms based on the elevations shown on the plans, and then cut out the extra concrete for the lay down 8. All material furnished on or for this project shall meet the minimum requirements of the approving agencies or as set forth herein,
 - Illution Prevention Permit (SWPPP) to DEQ prior to construction

- 1. The owner will provide construction staking one time. Additional staking will be the responsibility of the contractor for scheduling
- Eligineer. aking will be provided as indicated in the Contract Documents, or as requested by contractor.

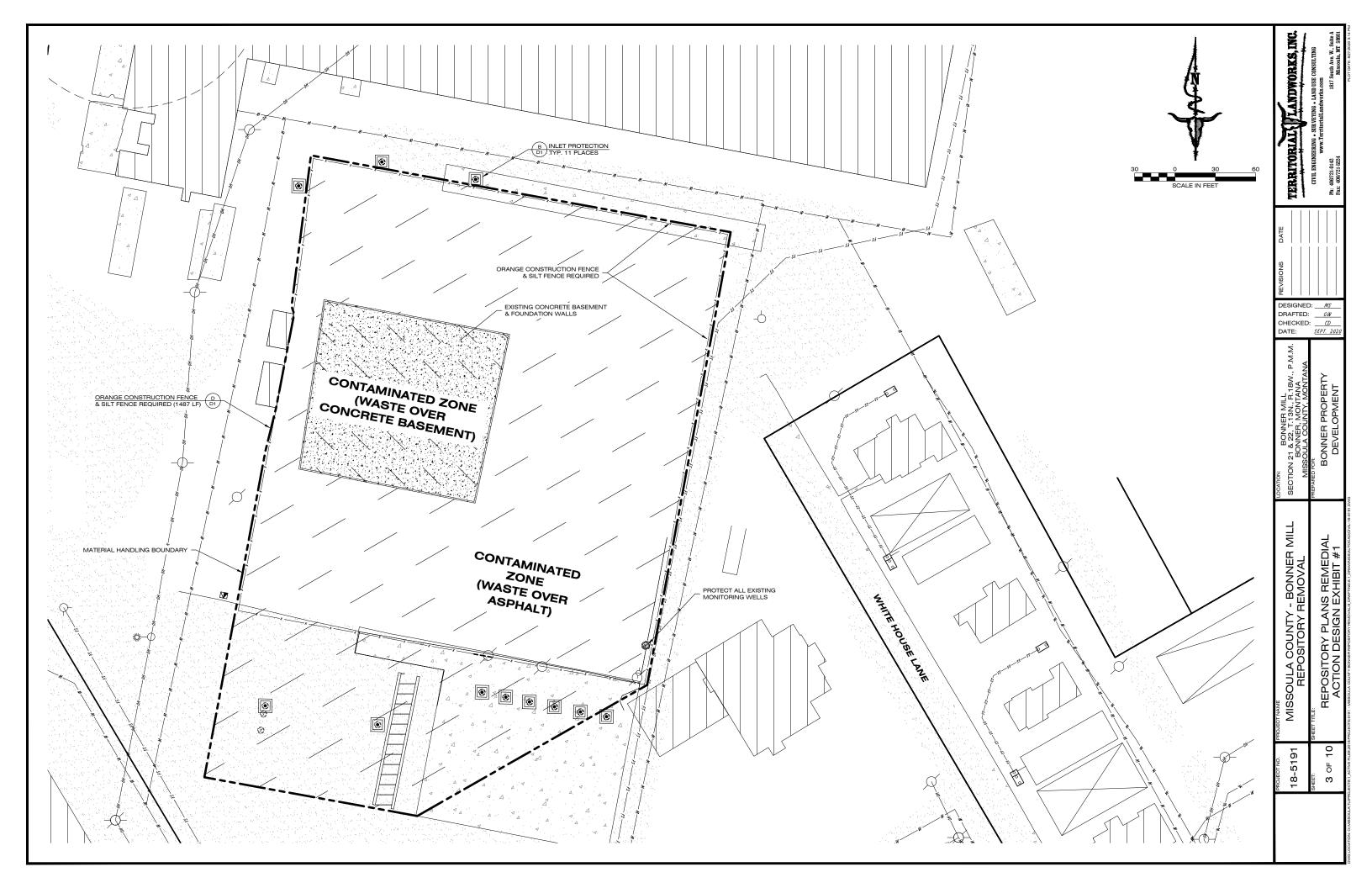
- Square cut all asphalt.

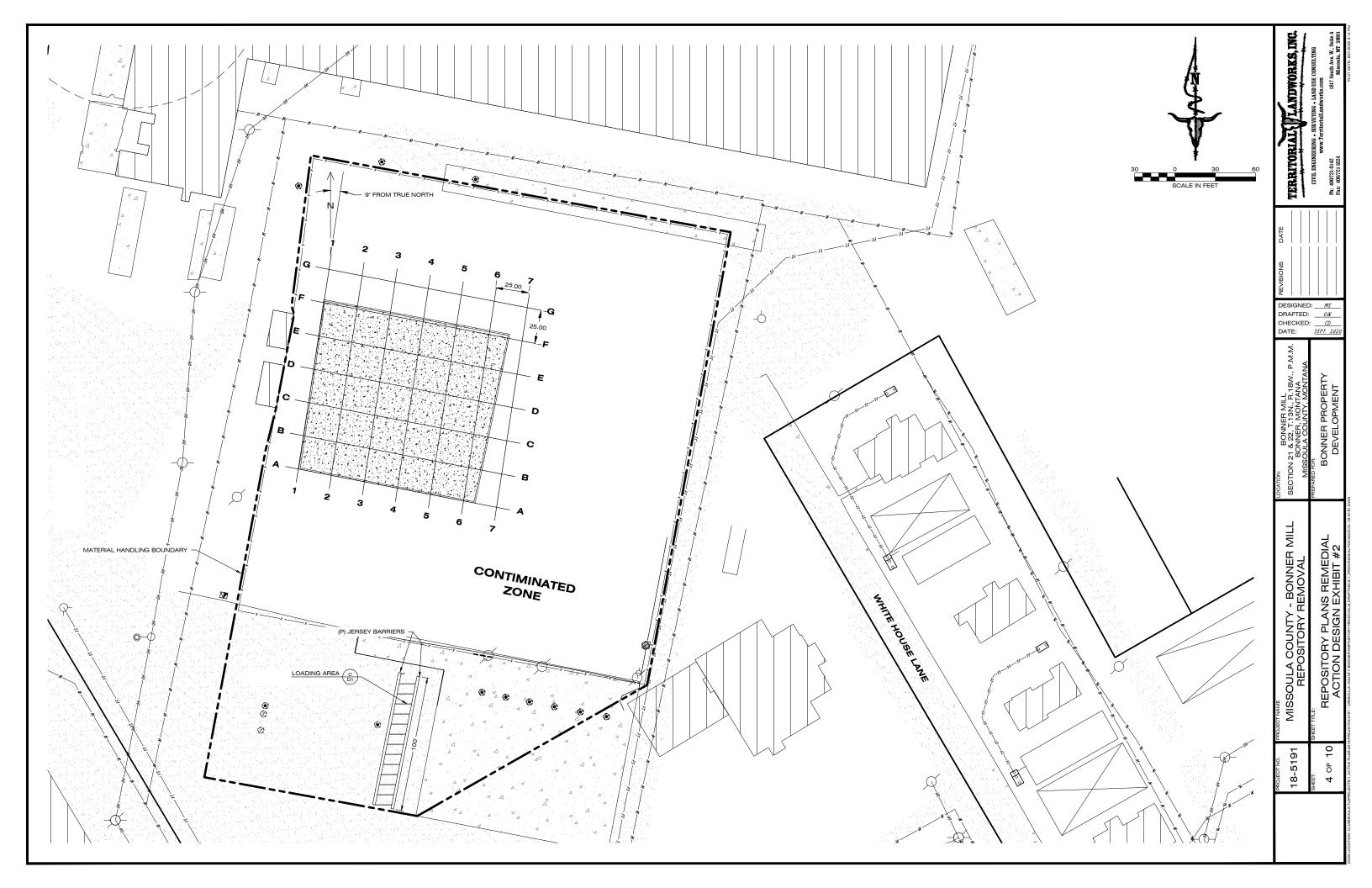
 Contractor shall protect all adjacent improvements (buildings, roadways, fences, ditches, parking lots, utilities, sidewalks, curbs, gutter, park recreation improvements, trees, etc.) from damage and erosion. All disturbed areas shall be restored to their original

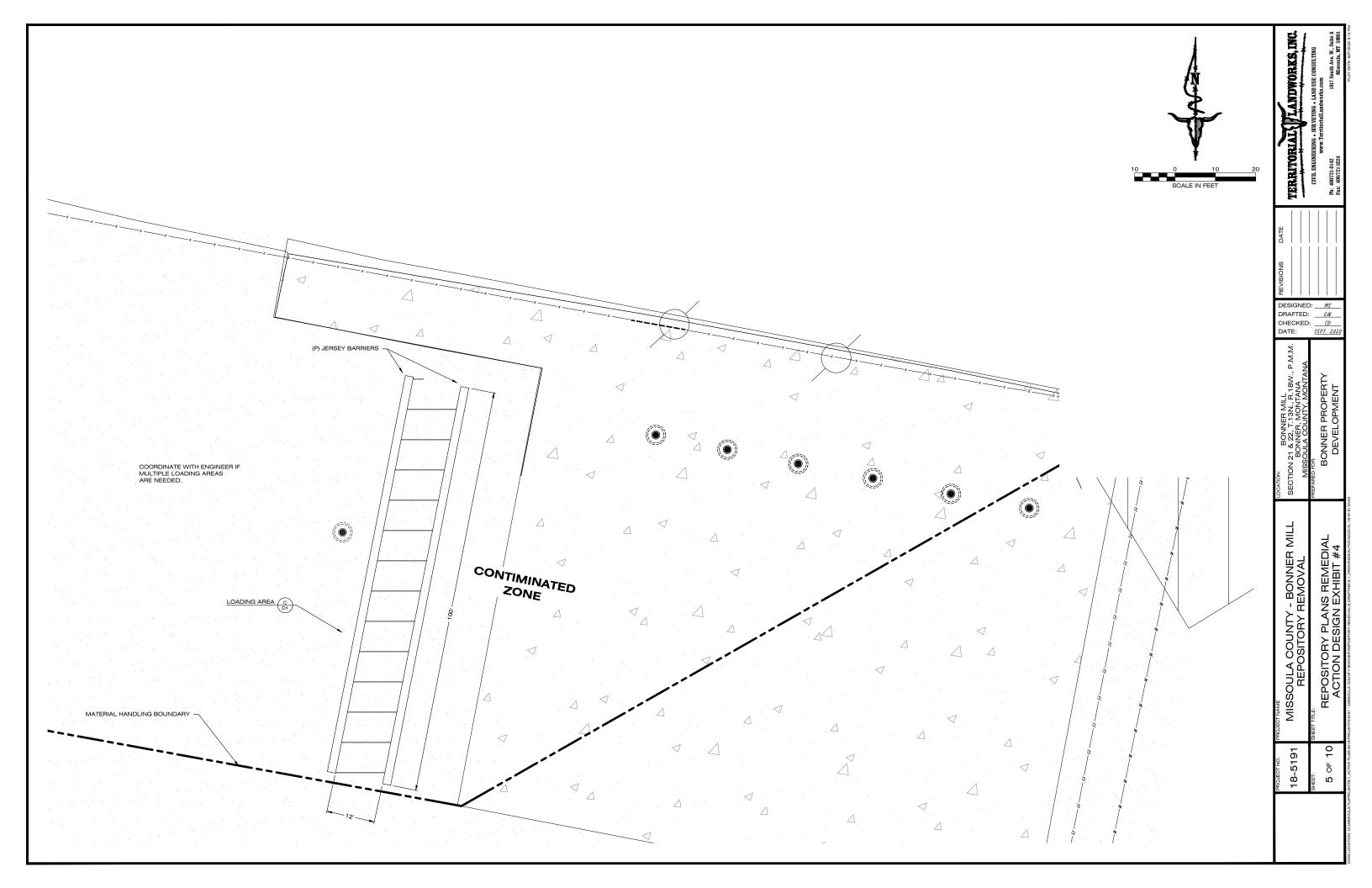
NOTE: NOT ALL FEATURES SHOWN IN LEGEND WILL BE PRESENT ON PLANS

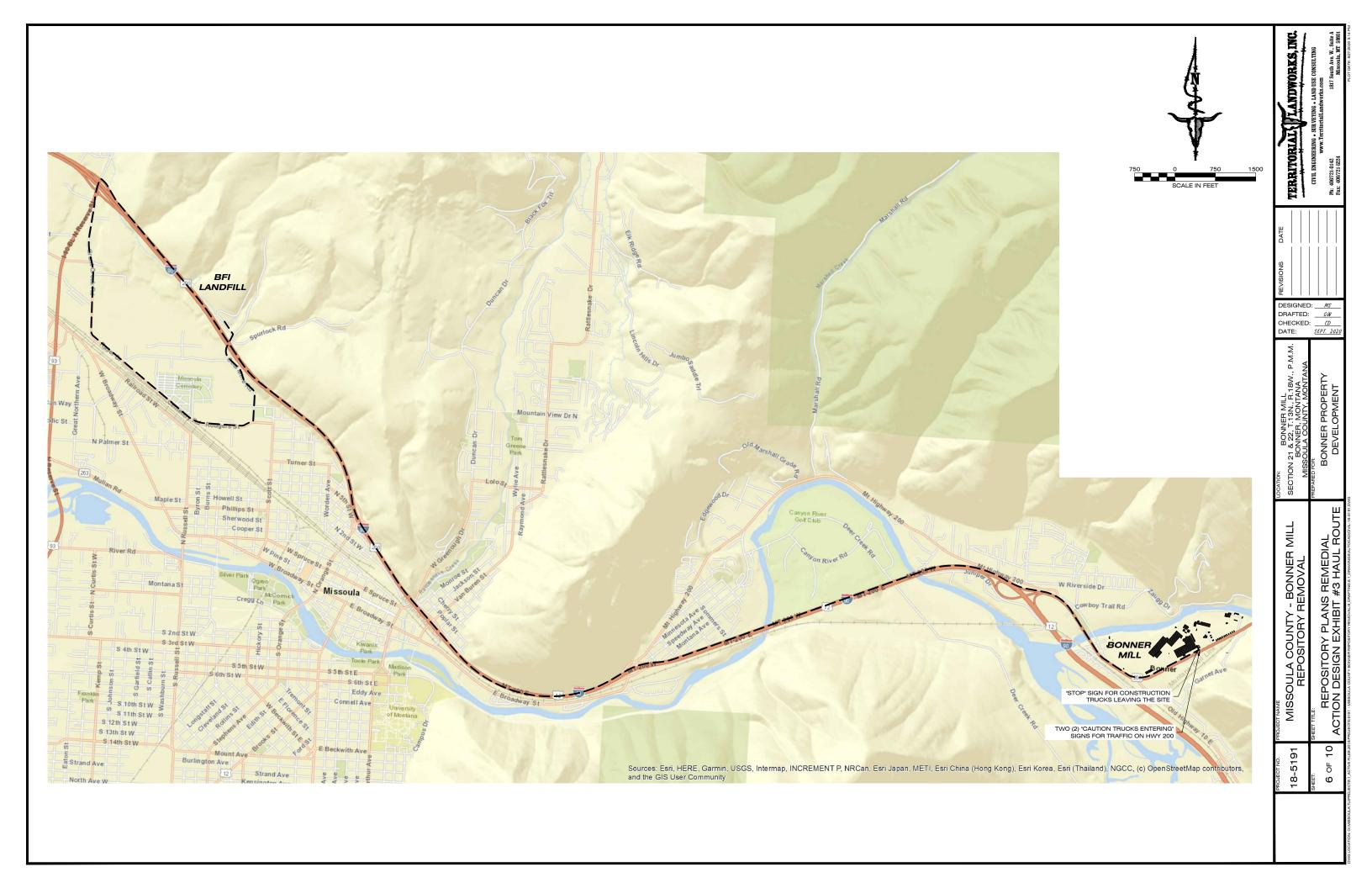
(E) CONIFEROUS TREE

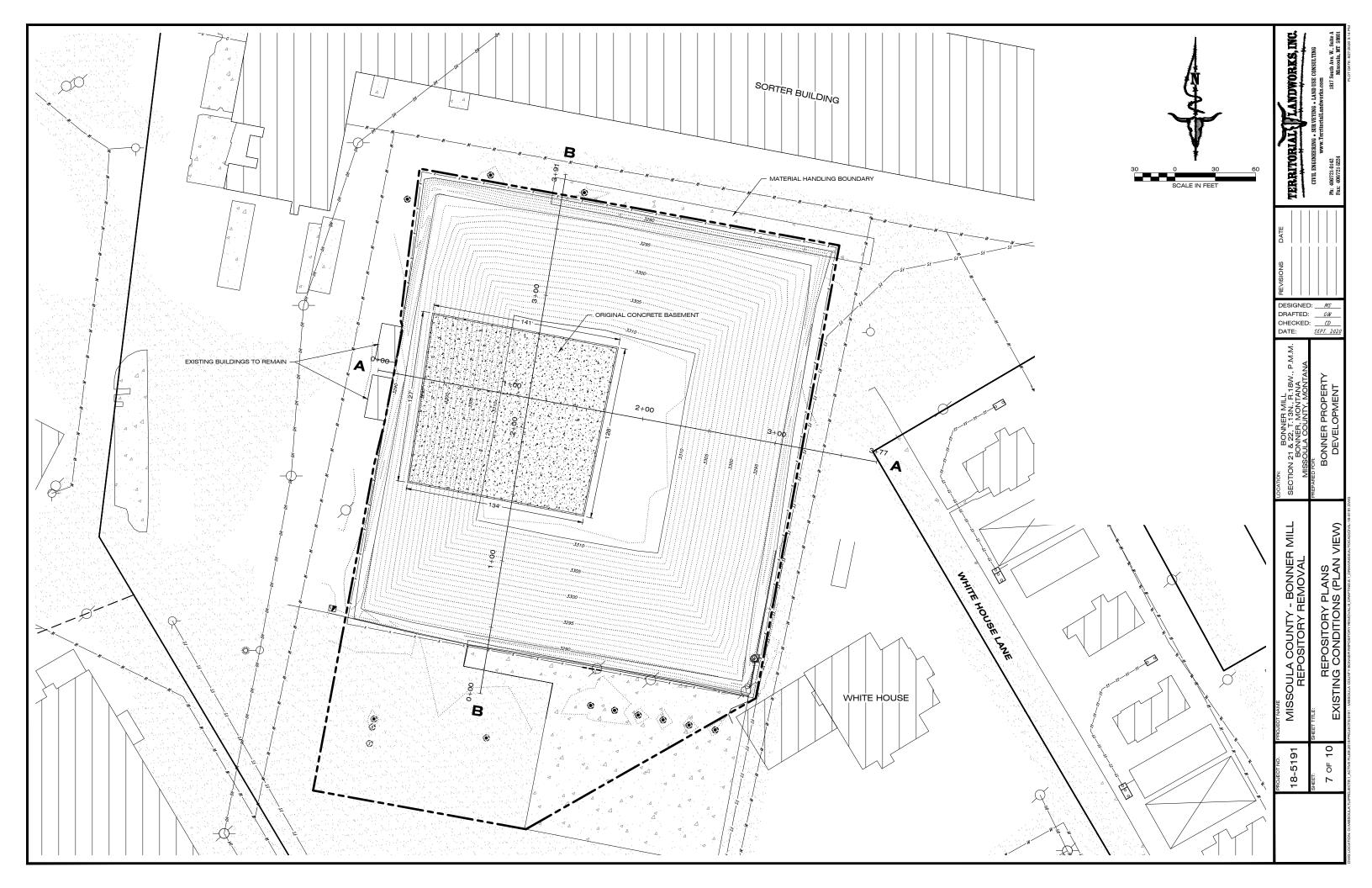
(E) BUSH/ SHRUB

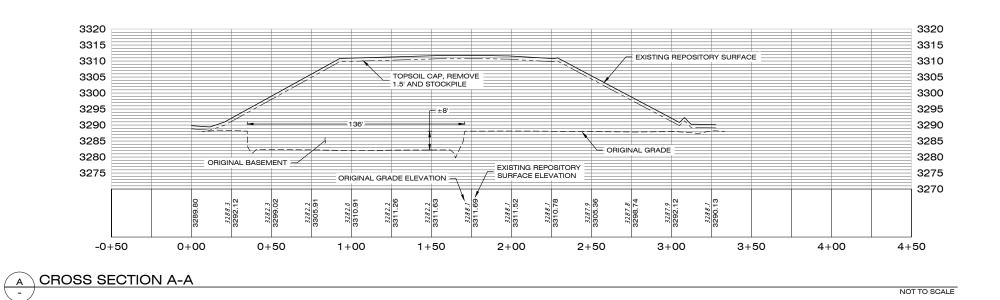


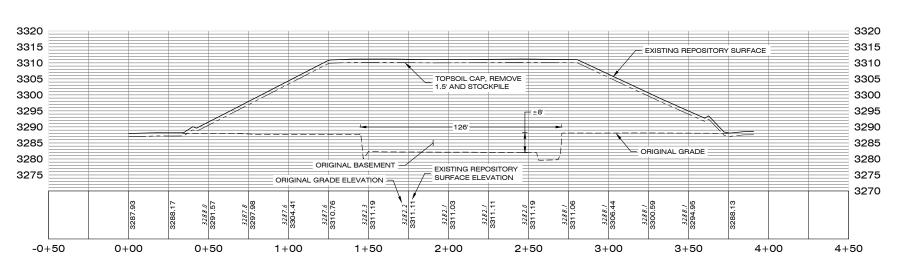








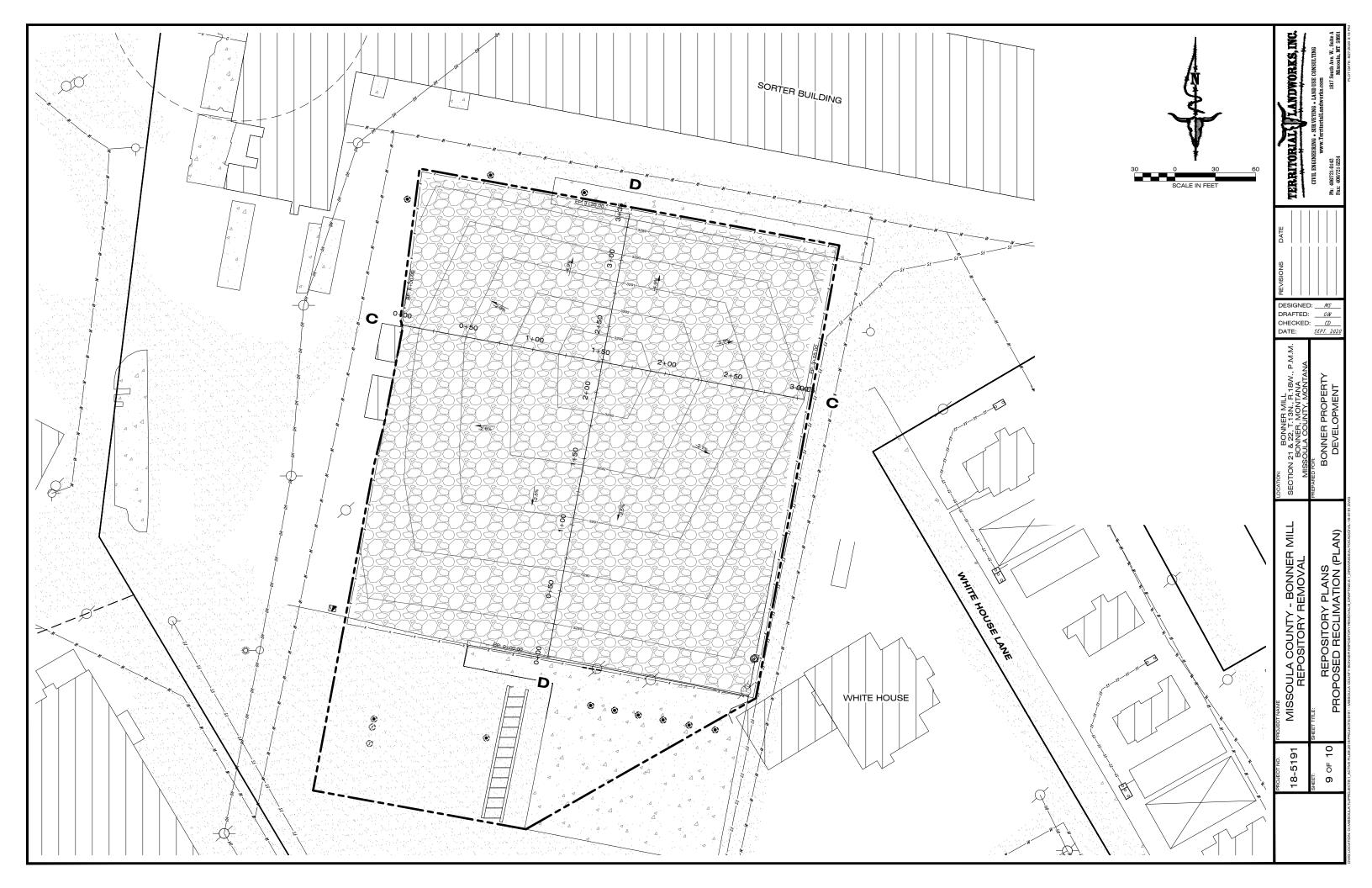


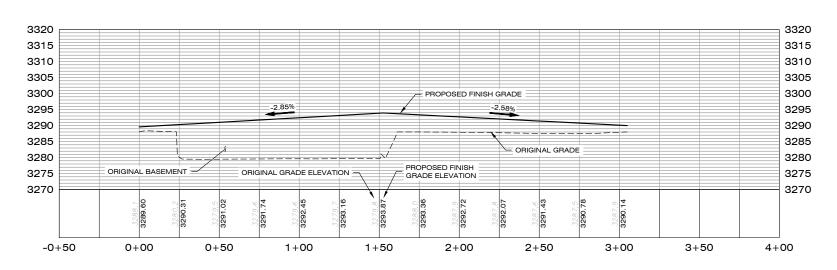


CROSS SECTION B-B NOT TO SCALE

PROJECT NO.	PROJECT NO. PROJECT NAME	LOCATION:		BEVISIONS DATE	
0	MISSOULA COUNTY - BONNER MILL	SECTION 21 & 22. T.13N. B.18W. P.M.M.	ESI RAI HEC		NWI STONMAN IN THE THE
0-0-0		BONNER, MONTANA	GN -TE CKI		THE STATE OF THE PARTY IN CARDES AND
	TELOGIONI TELVIOVAL	MISSOULA COÚNTY, MONTANA	IEC ED:		
SHEET:	SHEET TITLE:	PREPARED FOR:	: _ - : _		CIVIL ENGINEERING • SURVEYING • LAND USE CONSULTING
	REPOSITORY DI ANS	BONNER PROPERTY	ЕРТ.		www.TerritorialLandworks.com
8 № 10			ns W CD 20		S 1817 S
	EXIOLING CONDITING (CHOON SECTIONS)		 - <u>20</u>		Fax: 406721-5224 MT 59801

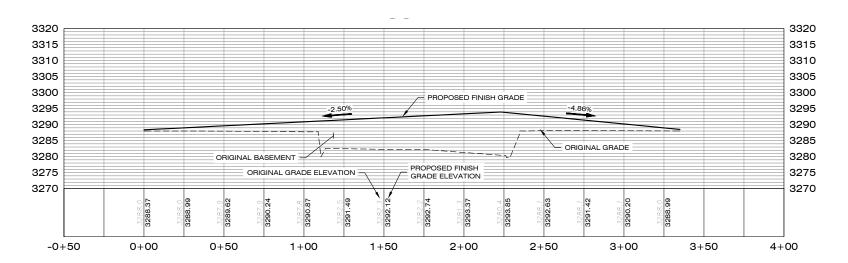
NOT TO SCALE





- CROSS SECTION C-C

NOT TO SCALE



- CROSS SECTION D-D

NOT TO SCALE

PROJECT NO. PROJECT NAME	PROJECT NAME	LOCATION:		BEVISIONS	TATE		
	MISSOLI A COLINTY - BONNEB MILL	SECTION 21 & 22 T 13N B 18W P M M	ES RA HE AT		i :	a downwar a To	200 PA
18-5191		BONNER MONTANA	IGN FTI CK E:			TERMINATION (INTERNATIONAL PROPERTY OF THE PRO	5 NT (04)
	REPUBLICAY REMOVAL	MISSOULA COUNTY, MONTANA	ED:				1
SHEET:	SHEET TITLE:	PREPARED FOR:	: _ : _ <u>\$</u>			CIVIL ENGINEERING • SURVEYING • LAND USE CONSULTING	NSULTING
	BEDOSITORY DI ANS	BONNER PROPERTY	1 G U EPT.			www.TerritorialLandworks.com	
10 0 10			ns W CD 20				1817 South Ave. W., Suite A
	THOTOGED RECLIMATION (CHONG SECTIONS)		 120			Fax: 406/721-5224 Misso	Missoula, MT 59801

