

MONTANA STATE UNIVERSITY **BART FARM FARRIER SCHOOL**

ABBREVIATIONS

<mark>А</mark> АВ АНЈ	AS-BUILT AGENCY HAVING JURISDICTION
B BLDG BVCE BVCS BTM	BUILDING BEGIN VERTICAL CURVE ELEVATION BEGIN VERTICAL CURVE STATION BOTTOM
C ATV CL CJ	CABLE TV CENTER LINE CONSTRUCTION JOINT
D DTL DIA DIM DIV DWG	DETAIL DIAMETER DIMENSION DIVISION DRAWING
E EW EA ELEC ELEV ED EQ EQUIP EVCE EVCS EXIST	EACH WAY EAST EDGE OF ASPHALT ELECTRIC ELEVATION EMERGENCY DEPARTMENT EQUAL EQUIPMENT END VERTICAL CURVE ELEVATION END VERTICAL CURVE STATION EXISTING
F FO FF	FIBER OPTIC FINISHED FLOOR ELEVATION
G IS	GEOGRAPHIC INFORMATION SYSTEM
H HT HORIZ HR	HEIGHT HORIZONTAL HOUR
I IBC	INTERNATIONAL BUILDING CODE
<mark>к</mark> КRH	KALISPELL REGIONAL HEALTHCARE

MAXIMUM MINIMUM MT PUBLIC WORKS STANDARD SPECIFICATIONS MONTANA

NOT IN CONTRAC NOT TO SCALE

ON CENTE OPPOSITE

POINT OF VERTICAL INTERSECTION PROPERT

REQUIRED REVISION RIGHT-OF-WA

SANITARY SFW SCHEDULE SIMILAR SOUTH SPECIFICATION STANDARD

STORM DRAIN TELEPHONE

SPEC

STD

SD

TYP

TBC

UNC

VFRT

WTR

W

W/

TYPICAL TOP BACK OF CURB

UNLESS NOTED OTHERWISE VERTICAL

WATER WEST

WITH



LEGEND

CIND	GAS METER	X	× ×	FENCE
С	CABLE PEDESTAL			EXISTING PROPERTY LINE
Т	TELEPHONE PEDESTAL	(0	OHP)	EXISTING OVERHEAD POWER
J	ELECTRICAL JUNCTION BOX		JP)	
E	ELECTRICAL PEDESTAL	(*	5.)	
	TRAFFIC SIGN	(1	-0)	EXISTING FIBER OPTIC
0	LIGHT POLE	(UT)	(UT)	EXISTING UNDERGROUND PHOI
¢	EXISTING LIGHT POLE	(TV)	(TV)	EXISTING UNDERGROUND CABL
പ	UTILITY POLE	(G)	(G)	EXISTING GAS
\ge	TRANSFORMER	(W)	(W)	EXISTING WATER
	CAP WITH THRUST BLOCK		(22)	
Ø	FIRE HYDRANT	(33)	(33)	
YHD	FROST FREE YARD HYDRANT	(SD)	(SD)	EXISTING STORM DRAIN
M	WATER GATE VALVE			PROPOSED PROPERTY LINE
8	WATER CURB STOP	(OHP	
Þ	WATER TEE	<u> </u>	JP	
	THRUST BLOCK	FO	FO	
IRR	IRRIGATION VALVE BOX			
M	WATER METER PIT	(UNDERGROUND TELEPHONE
fdc	FIRE DEPARTMENT CONNECTION	TV	TV	UNDERGROUND CABLE
	PIPE CAP		G	GAS MAIN
8	CLEAN OUT		w	WATER MAIN
\odot	SEWER MANHOLE	;	35	
Ø	STORM MANHOLE			
œ	CATCH BASIN	;	SD	- STORM DRAIN
00	STORM DRAIN DRYWELL	RD	RD	- ROOF DRAIN
٩	CURB INLET	<u> </u>	· ·	- DRAINAGE SWALE
		· · ·	· · · -	— TOP OF POND
		<u> </u>)25 — — -	

______ DESIGN CONTOUR

	EXISTING ASPHALT
	EXISTING BUILDING
· · 4 4	EXISTING SIDEWALK
	PROPOSED ASPHALT
	PROPOSED BUILDING
4	PROPOSED 4" SIDEWALK
	EXISTING DIRT/GRAVEL
	STANDARD CURB AND GUTTER
7/////	SPILL CURB AND GUTTER
\equiv	DRIVE OVER CURB AND GUTTER
3040.38(e) 🛛	EXISTING SPOT GRADE
3031.40 🕱	DESIGN SPOT GRADE
(3031.90) 🛛	TBC DESIGN SPOT GRADE
	TREE LINE

DECIDUOUS TREE

WEST LINCOLN STREET, BOZEMAN, MONTANA

SITE LOCATION PLAN

GENERAL NOTES

- 1. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL GOVERNING CODES, ORDINANCES AND AUTHORITIES HAVING JURISDICTION. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED PERMITS. THE GENERAL CONTRACTOR IS TO HAVE A FULL TIME QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED.
- 2. ALL MATERIAL SPECIFIED IS TO BE NEW AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. GENERAL CONTRACTOR IS TO CONSTRUCT PROJECT IN ACCORDANCE WITH THE DOCUMENTS. ANY DEVIATION FROM THE INTENT OF THE DOCUMENTS, WITHOUT ENGINEER'S APPROVAL, ARE AT THE CONTRACTOR'S OWN RISK AND MAY RESULT IN THE WORK BEING DONE OVER AT CONTRACTOR'S EXPENSE (MATERIALS AND LABOR).
- 3. CONTRACTOR TO REVIEW AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. ANY CONDITIONS NOT INDICATED ON CONTRACT DOCUMENTS ARE TO BE REPORTED TO THE ENGINEER PRIOR TO BEGINNING WORK. 4. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AS A RESULT OF THIS PROJECT. ALL DEBRIS TO BE DISPOSED OF IN A
- MANOR MEETING ALL FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR WILL REMOVE EXISTING EQUIPMENT, FIXTURES, ETC. IN THE SPACE PRIOR TO CONSTRUCTION AND RELOCATE PER OWNER'S INSTRUCTION.
- 5. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND MATERIAL AND EQUIPMENT DELIVERIES SO AS NOT TO INTERFERE WITH THE OWNER'S OPERATION. 6. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, EQUIPMENT, FIXTURES, ETC. FROM DAMAGE DURING THE
- COURSE OF CONSTRUCTION. 7. ALL SURFACES AND/OR FINISHES DAMAGED AS A RESULT OF AND ADJACENT TO THE WORK SHALL BE REPAIRED AND FINISHED TO EQUAL OR BETTER THAN ORIGINAL CONDITION.
- 8. ALL ITEMS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY PERSONS SKILLED IN THEIR RESPECTIVE TRADE AND WHO NORMALLY PARTICIPATE IN THE WORK OF THAT TRADE.
- 9. THE ENGINEER SHALL BE IN THE FIRST INSTANCE THE SOLE INTERPRETER OF THE DRAWINGS AND SPECIFICATIONS WITH REGARD TO THEIR MEANING OR INTENT. 10. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND
- PROCEDURES 11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY AND TRAFFIC CONTROL DURING CONSTRUCTION. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO, SWPPP.
- 13. ALL WORK IS TO BE COMPLETED PER CITY OF BOZEMAN STANDARDS FOR DESIGN AND CONSTRUCTION.

PROJECT ENGINEER: JACKOLA ENGINEERING & ARCHITECTURE ERIK GARBERG, PE 406-586-0707 EGARBERG@JACKOLA.COM



NDEX OF DRAWING:

SHEET #	SHEET TITLE	RELEASE DAT
T0.00	TITLE SHEET	1-11-2021
C0.10	EXISTING SITE SURVEY AND DEMO PLAN	1-11-2021
C1.10	SITE PLAN	1-11-2021
C1.30	SITE GRADING PLAN	1-11-2021
S0.00	STRUCTURAL NOTES	1-11-2021
S1.00	SLAB PLAN	1-11-2021
S1.10	ALT 1 SLAB PLAN	1-11-2021
S4.00	STRUCTURAL DETAILS	1-11-2021

LATEST REVISION

E DATE

BASE BIDS AND ALTERNATES

BASE BID TO INCLUDE ALL WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS NOT SPECIFICALLY CALLED OUT AS AN ALTERNATE. 1. ALTERNATE #1: REMOVE AND REPLACE THE EXISTING CONCRETE AS DETAILED ON DRAWING CO.10, C1.10 AND S1.10 WITHIN THE BUILDING

> PROJECT MANAGER: CAMPUS PLANNING, DESIGN, AND CONSTRUCTION ARA MESKIMEN 406-994-3230 ARA.MESKIMEN@MONTANA.EDU



DEMO NOTES: (#)

- 1. HITCHING RAIL TO BE REMOVED.
- HITCHING RAIL TO BE REMOVED.
 HITCHING RAIL TO BE REMOVED. SALVAGE MATERIAL FOR POSTS TO RECEIVE OWNER-SUPPLIED EQUIPMENT.
 HITCHING RAIL TO BE DISMANTLED FOR CONCRETE
- INSTALLATION AND THEN RE-INSTALLED. SEE STRUCTURAL DETAILS.
- 4. NEATLY SAWCUT, REMOVE, AND PROPERLY DISPOSE OF
- EXISTING CONCRETE. BASE BID 5. CONTRACTOR TO REMOVE COAL FURNACE. COORDINATE
- WITH OWNER. 6. REMOVE WOOD PLANKING
- 7. DIRT AND GRAVEL FLOOR WITH RUBBER MATS REMOVED BY OWNER.
- COORDINATE FURNACE REMOVAL WITH OWNER. WALL BRACKETING TO REMAIN. FURNACE LOCATIONS ARE APPROXIMATE. THIS WORK TO BE COMPLETED OUTSIDE OF THIS CONTRACT AT THE DIRECTION OF THE OWNER. JACKOLA ENGINEERING AND ARCHITECTURE IS NOT RESPONSIBLE FOR THIS DESURATION OF THE ALL DESERVICE. THE DESIGN OR SPECIFICATION OF THIS ITEM. ALL REFERENCE HERE IS INFORMATIONAL ONLY 9. REMOVE AND SALVAGE EXISTING METAL FRAME AND
- PEDESTAL.
- EXISTING CONCRETE
- EXISTING BUILDING EXISTING DIRT/GRAVEL

- DEMO EXISTING CONCRETE

 DEMO EXISTING WOOD DECKING



10. NEATLY SAWCUT, REMOVE, AND PROPERLY DISPOSE OF EXISTING CONCRETE. EXISTING CONCRETE EXISTING BUILDING

EXISTING DIRT/GRAVEL ADD ALTERNATE DEMO EXISTING CONCRETE



MONTANA STATE UNIVERSITY



GRADING TO MATCH ABOVE

LEGEND:

3985.62(e) X EXISTING SPOT GRADE

3985.67 🕱 DESIGN SPOT GRADE (3986.17) 🕱 DESIGN TBC SPOT GRADE

GENERAL NOTES: 1. GRADE TO FINISH FLUSH WITH SLAB FOR ENTIRE PERIMETER.

STRUCTURAL DESIGN	SOILS AND FOUNDATIONS
STRUCTURAL DESIGN A. GOVERNING CODES AND GENERAL NOTES INTERNATIONAL BUILDING CODE (IBC) 2018 AMERICAN CONCRETE INSTITUTE (ACI) - BUILDING CODE & COMMENTARY ACI 318-14 AMERICAN CONCRETE INSTITUTE (ACI) - BUILDING CODE & COMMENTARY ACI 318-14 AMERICAN CONCRETE INSTITUTE (ACI) - BUILDING CODE & COMMENTARY ACI 318-14 AMERICAN INSTITUTE STELL OF CONSTRUCTION (AISC) - STELL CONSTRUCTION MANUAL FOURTEENTH EDITION AISC 360-16 AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AISC) - STELL CONSTRUCTION MANUAL FOURTEENTH EDITION AISC 360-16 AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AISC) - STELL EDITION THE CONTRACTOR IS RESPONSIBLE FOR LOCATING OR HAVING LOCATED THE BUILDING ON THE SITE AND VERIFYING ALL FOUNDATION DIMENSIONS, AND SETBACK REQUIREMENTS FROM EASEMENTS AND PROPERTY LINES WITH THE ARCHITECT PRIOR TO CONSTRUCTION.	SOILS AND FOUNDATIONS A. CONSTRUCTION MATERIAL - EARTHWORK: 1. STRUCTURAL FILL SHALL CONSIST OF APPROVED O 2. GRANULAR STRUCTURAL FILL SHALL MEET THE FOI 3 INCH 100" 1 1/2" & PASSING BY WEIGH 3 INCH 100" 1 1/2" & S5-100 NO. 4 30-60 NO. 200 10 MAXIMUM BOTH STRUCTURAL FILL & GRANULAR STRUCTURA a. PLACED IN NO GREATER THAN 8" THICK DENSITY AS DETERMINED BY ASTM D692 b. MOISTURE CONTENT OF THE STRUCTUR. OF OPTIMUM MOISTURE CONTENT AS D c. COBBLES AND BOULDERS LARGER THAN d. SAND & GRAVEL SIZE PARTICLES COMPR THAT WILL NOT DEGRADE BY MOISTENIN EQUIPMENT; I.E. NO SHALE OR OTHER CI e. THE BINDER/FINES SHOULD HAVE MAXII RESPECTIVELY f. NO FROZEN, ORGANIC OR OTHER DELET g. FROST FREE GRANULAR STRUCTURAL FIL 3. OPEN GRADED ANGULAR CRUSH ROCK: a. BETWEEN 1/4 TO 3/4" ANGULAR CRUSH b. COMPACTED USING VIBRATORY COMPA 4. VAPOR BARRIER
1 STRUCTURAL DESIGN INFORMATION	DURING WET WEATHER CONDITIONS, IN AREAS W ROADS WITH A MINIMUM GRAVEL THICKNESS OF WITH A GEOTEXTILE SEPARATION FABRIC 4. THE STABILITY OF CONSTRUCTION EXCAVATIONS A THE CONTRACTOR IN ACCORDANCE WITH CURREN DESIGN BY A REGISTERED PROFESSIONAL ENGINEE ACTUAL SUBSURFACE CONDITIONS AT THE TIME O ENGINEER TO DETERMINE WHETHER SLOPE FLATT TO SEEPAGE OR OTHER UNEXPECTED CONDITIONS 5. EXCAVATIONS SHALL BE COMPLETED WITH A SMO WHERE MOISTURE CONTENT OF SUBGRADE IS GRI EXCAVATION SHALL BE OBSERVED BY THE OWNER NON-UNIFORM PERFORMANCE OF THE NATIVE SU GRANULAR STRUCTURAL FILL
 SEE 3/SOLO FOR SITE PREP AND STRUCTURAL FILL REQUIREMENTS ON THIS SHEET FOR SUBGRADE PREP. ALL CEMERT IN CONCRETE TO CONFORM TO ASTM CLSD SPECIFICATION FOR PORTLAND CEMENT. ALL CEMERT IN CONFORM TO ASTM CLSD SPECIFICATION FOR CONCRETE AGREGATES. CONCRETE SUPPLIER TO MIX BASED ON THEIR TESTING TO ASSURE THIS MINIMUM COMPRESSIVE STRENGTH PRA CL 318 SECTION OS 3. IN THE ASSENCE O'S DATA, CONCRETE REPORPORTIONING SHALL BE DONE IN ACCORDANCE WITH ACI 318 SECTION OS 3. IN THE ASSENCE O'S DATA, CONCRETE REPORPORTIONING SHALL BE DONE IN ACCORDANCE WITH ACI 320 SECTION OS THE AGREGATES. THE MAXIMUM NOMINA AGGREGATE SIZE SHALL BE ONE FIFTH THE NARROWEST DIMENSION BETWEEN THE FORMS OR OWE THIN THE ASSENCE O'S DATA. CONCRETE FOR AGGREGATES. THE MAXIMUM NOMINA AGGREGATE SIZE SHALL BE ONE FIFTH THE NARROWEST DIMENSION BETWEEN THE FORMS OR OWE THIN THE ASSENCE O'S DATA. DO SAN TER REPORTIONING SEAL DE CONCRETE DATE AGES. THE MAXIMUM NOMINA AGGREGATE SIZE SHALL BE ONE FIFTH THE NARROWEST DIMENSION BETWEEN THE FORMS OR OWE THIN THE SUBJECT SHALL BE ADDED AT THE AGREGATION. CONCRETE CURNING (DTHE THAN HIGH EARLY) SHALL BE MANTAINED ABOVE A TEMPERATURE O'S OF AND IN A MOIT CONDUCTION OF THE REAL STATE AGES. AD AGGRAF MEEDING OF CONSOLUTION ON AT LEEX AND DESTIFICATION CONCRETE SHALL BE CURNED AGINO WHENCE THAN AND METACING AGREGATES. AD AND TO CONDITION TON AT LEAST THE FIRST THERE DAYS. AD AND TO CONDITION TON AT LEAST THE FIRST THERE ADD. CONCRETE MATERIALS AND PROTECTING CONCRETE DURING THE CONTROL THE NATERIAL CONCRETE MATERIALS. AD AND TO CONDITION TON AT LEAST THE FIRST SHELL BE GAVE TO MARTENIAL SHALL BE CLAUSE ON THIS THEORY. AD AND TO CONDITION TON AT LEAST THE FIRST THE REAL CONCRETE FAMETERIAL CONCRETE DATE AGREGATE. AD AND TO CONTROL THIS THE INST THE REAL CONCRETE FAMETERIAL CONCRETE SHALL BE CARRO DATE TO THE AGREGATE. AD AND TO CONTROL THIS THE REAL CONCRETE FAMETERIAL CONCRETE SHAL	C. SLAB PREPARATION: 1. BACKFILL COMPACTION WITHIN 5 FEET OF FOUND TAMPING EQUIPMENT ONLY. 2. INTERIOR SLAB PREPARATION: EXISTING MATERIA SHALL BE EXAMINED BY OWNER, OWNERS AND DI MATERIAL OR WHERE RUITING, YIELDING, OR OT SHALL BE REMOVED OR RECOMPACTED AS RECOM FOLLOWING THE SUBGRADE PREPARATION & INST BELOW SHALL BE COMPLETED. A NOMINAL 8-INCF BE INSTALLED FOR A CAPILLARY BREAK BENEATH LAYER CAN BE SUBSTITUTED WITH 3/4 INCH MINU CONSTRUCTION ACTIVITIES. THE SLAB-ON GRADE COMPACTION METHODS UNTIL WELL KEVED. A VA 3. EXTERIOR SLAB PREPARATION a. EXTERIOR SLAB SATE UNTRYWAYS FIXED T b. A MINIMUM OF 18" OF GRANULAR STIRL GRADED ANGULAR NOCK UNDER THE SLAB LAYER EITHER STRUCTURAL OR GRANULAR STILL 5. PERIMETER SLOPED BACKFILL SHALL BE OVERBUIL SURFACE THAT IS MORE RESISTANT TO LOCALIZED SOIL SHALL BE 'TRACK WALK-ON' WITH A SMALL D D. QUALITY CONTROL SHALL BE COMPLETED PER THE REQUIRE 3. QUALITY CONTROL SHALL BE COMPLETED PER THE REQUIRE 1" = 1'-0"
CONCRETE PROTECTION FOR REINFORCEMENT DESCRIPTION MINIMUM COVER (IN) CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH 3 CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH 3 CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH 3 CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH 3 CONCRETE EXPOSED TO EARTH OR WEATHER: CONCRETE EXPOSED TO EARTH OR WEATHER No. 5 BAR, W31 OR D31 WIRE AND SMALLER 1-1/2 CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: SLABS, WALLS, AND JOISTS: No. 11 BAR AND SMALLER 3/4 No. 8 BAR AND SMALLER 1 NO. 8 BAR AND SMALLER 3/1 4/5 3 MAX INTERIOR SLAB 4000 PSI 3/1 4/5 3 MAX INTERIOR SLAB <t< th=""><th> ALL STEEL SHALL E PRICED AS NEW. HITCHING RAIL #1 (INSIDE) SHALL BE NEW. CONTRACTOR V EXISTING STEEL HITCHING RAILS FOR THE VISE POST OR TH POSTS SHALL BE INSTALLED VERTICAL WITH A MAXIMUM O SHALL BE HORIZONTAL WITH A VARIATION OF +/- 1/4" PARALLEL AND GROOVE WELDS TO BE GROUND SMOOTH SURFACES. ALL WELDING TO USE AWS E70 ELECTRODES. PIPES SHALL BE ASTM A53 Gr. B PIPE (SCH 40) OR ASTM A5 SUBMIT SHOP DRAWINGS FOR APPROVAL. STEEL SHALL NOT BE PAINTED. </th></t<>	 ALL STEEL SHALL E PRICED AS NEW. HITCHING RAIL #1 (INSIDE) SHALL BE NEW. CONTRACTOR V EXISTING STEEL HITCHING RAILS FOR THE VISE POST OR TH POSTS SHALL BE INSTALLED VERTICAL WITH A MAXIMUM O SHALL BE HORIZONTAL WITH A VARIATION OF +/- 1/4" PARALLEL AND GROOVE WELDS TO BE GROUND SMOOTH SURFACES. ALL WELDING TO USE AWS E70 ELECTRODES. PIPES SHALL BE ASTM A53 Gr. B PIPE (SCH 40) OR ASTM A5 SUBMIT SHOP DRAWINGS FOR APPROVAL. STEEL SHALL NOT BE PAINTED.
2 CONCRETE NOTES	4 HITCHING RAIL AN

ON-SITE SOILS OR BE FROM AN APPROVED MATERIAL SOURCE. OLLOWING GRADATION & COMPOSITION GHT

AL FILL SHALL MEET THE FOLLOWING:

CLIFTS COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY 98 RAL FILL AT THE TIME OF COMPACTION SHOULD BE WITHIN 3%

DETERMINED BY ASTM 698 N 4" MAXIMUM SIZE SHOULD NOT BE USED IN FILL MATERIALS RISING THE FILL SHOULD BE HARD DURABLE ROCK MATERIALS ING OR UNDER MECHANICAL ACTION OF THE COMPACTION CLAYEY ROCK TYPES

TIMUM LIQUID LIMIT AND PLASTIC INDEX VALUES OF 25 & 10%

ILL SHALL HAVE A MAXIMUM OF 5% PASSING THE No. 200 SIEVE.

ACTION METHODS UNTIL WELL KEYED TOR, STEGO INDUSTRIES STEGO WRAP CLASS A OR APPROVED LED WITH MANUFACTURER APPROVED TAPE. ALL PROTRUSIONS L BE REPAIRED. SEAL THE VAPOR BARRIER TO THE VERTICAL FACE RECOMMENDED ATTACHMENT DETAIL. INSTALLATION SHALL INSTALLATION OF VAPOR RETARDER USED IN CONTACT WITH

C MATERIAL, INCLUDING THE CLEARING AND GRUBBING OF JLD BE ACCOMPLISHED WITHIN THE CONSTRUCTION ZONE PRIOR

) DIRECT RUNOFF AWAY FROM THE CONSTRUCTION AREA CTION TRAFFIC OVER MOISTURE SENSITIVE SUBGRADE SOILS. WHERE HEAVY CONSTRUCTION TRAFFIC IS ANTICIPATED, HAUL F 2' SHOULD BE CONSTRUCTED OVER THE PLANNED SUBGRADE

AND ASSOCIATED WORKER SAFETY ARE THE RESPONSIBILITY OF ENT OSHA REGULATIONS; THIS RESPONSIBILITY MAY REQUIRE EER BASED ON THE PREDOMINANT SOIL TYPES ENCOUNTERED. OF EXCAVATION SHOULD BE OBSERVED BY A GEOTECHNICAL ITENING, BRACING OR OTHER STABILIZATION IS NECESSARY DUE

IOOTH-LIPPED BUCKETS IN AREAS OF SOILS FINE GRAINED AND REATER THAN OPTIMUN PER ASTM D698. THE BASE OF THE R. ANY AREAS OF RUTTING, EXCESSIVE DEFORMATION, OR OTHER SURFACE OR THE BACKFILL SHALL BE REMOVED AND REPLACED BY

NDATION WALLS SHOULD BE CONDUCTED USING HAND OPERATED

IAL SHALL BE REMOVED TO REQUIRED SUB GRADE. SUBGRADE DESIGNATED REPRESENSTAIVES. AREAS OF UNSUITABLE FILL THER NON-UNIFORM SUBGRADE PERFORMANCE IS OBSERVED, MMENDED BY THE PROJECT GEOTECHNICAL ENGINEER. STALLATION OF THE GEOTEXTILE ANY SITE GRADING PER D6 CH THICK LAYER OF OPEN-GRADED ANGULAR CRUSHED ROCK TO THE CONCRETE SLAB. THE UPPER 2 INCHES OF THIS 8 INCH THICK IUS CRUSHED ROCK TO PROVIDE A COMPACT SURFACE FOR E BASE COURSE SHOULD BE COMPACTED USING VIBRATORY YAPOR BARRIER PER B7 SHALL BE INSTALLED UNDER THE SLAB

TO THE BUILDING SHALL BE PROTECTED AGAINST FROST HEAVES RUCTURAL FILL SHALL BE INSTALLED UNDER A 6" LAYER OF OPEN H SLABS. ALL ITEMS SHALL BE COMPACTED PER THE ABOVE

BETWEEN THE NATIVE & THE BASE OF THE CAPILLARY BREAK ER B1 & B2 ABOVE SHALL BE INSTALLED. LT BY 2' & TRIMMED BACK AFTER CONSTRUCTION TO PROVIDE A D SLOUGHING WHEN THE SLOPE IS GREATER THAN 5"/1'. TOP DOZER.

EMENTS OF THE STATEMENT OF SPECIAL INSPECTIONS

HNICAL NOTES

WITH OWNERS APPROVAL MAY REUSE THE EXTERIOR HITCHING RAILS. A OF +/- 1/4" OUT OF DUING RAILS

H TO ELIMINATE BURS AND ROUGHT

4500 Gr B (HSS ROUND SECTIONS)

ID VISE POST NOTES

		MONTANA STATE UNIVERSITY
	A COF THE	STATISTICS OF MONTON
	MSU-C Montana state Bozeman, MC PHONE: 406.9 FAX: 406.994	PDC UNIVERSITY DNTANA 194.5413 4.5665
BID SET	BART FARM	CONCRETE SLAB INSTALL
	SINCE - ENCE - THE ROOM OF A CONTROL OF A CO	1969. Ing. Land Use bo
	DRAWN BY: CK REVIEWED BY: K REV. DESCRIPTION	r (H ON DATE
	PPA#20- A/E#00-(2011 SHEET 1 STRUCTU NOTE SHEE SHEE	0105 00-00 13 ITLE JRAL S T DO
	DAT 1/24/2	E 2021

		MONTANA STATE UNIVERSITY
	OF AND	THE STATE OF MO
	MSU Montana s bozema phoni fax:	TATE UNIVERSITY AN, MONTANA E: 406.994.5413 406.994.5665
BIU SEI	BART FARM	CONCRETE SLAB INSTALL
	Engineering victoriectur	1969- North Land Use Tomos Re. Surveying, Land Use Tomos
	DRAWN BY: REVIEWED B	HH Y: KBH CRIPTION DATE
		HH Y: KBH CRIPTION DATE
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ALT 1 SLAB PLAN
W CUT SECTION OF SLAB TO ELIMINATE " RAMP"
MOVE 6" SECTION OF STOOP AND POUR REPAIR

1	SAW CUT SECTION OF SLAB TO ELIMINATE " RAMP"
2	REMOVE 6" SECTION OF STOOP AND POUR REPAIR
	WITH CONCRETE. BASE BID.
3	POUR THRU @ THIS DOOR. BASE BID
4	PROVIDE TURN DOWN EDGE @ DOOR OPENING
5	SEE S1.00 FOR EXTERIOR CONCRETE AND CALLOUTS
	ON INTERIOR CONCRETE

GENERAL PLAN NOTES: 1. DIMENSIONS PER S1.00

FOUNDATION LEGEND

ALT-1 BID LEGEND

ADDITIONAL 6" CONCRETE SLAB AND SUB BASE TO BE INCLUDED IN ALT -1

