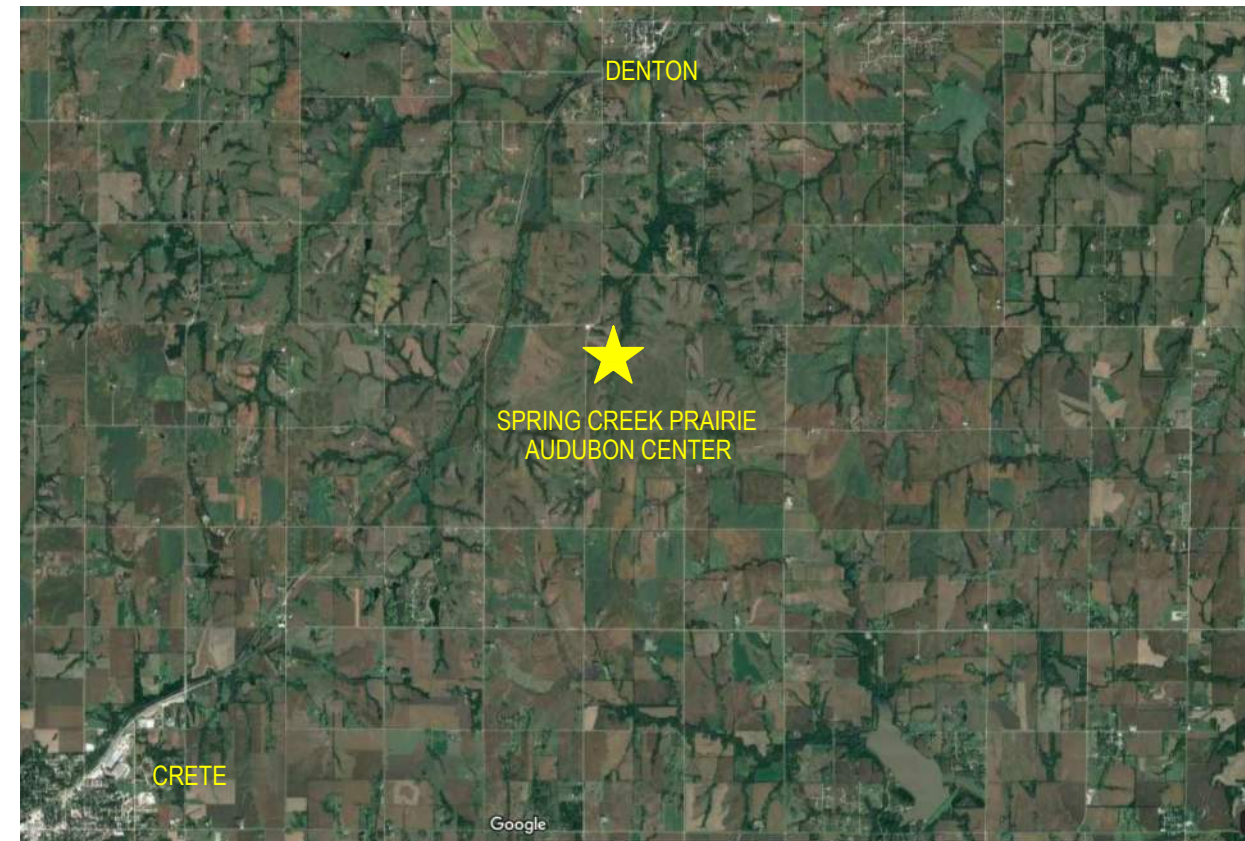




**Agri-Services &
Engineering, Inc.**

SPRING CREEK PRAIRIE
11700 SW 100 ST
DENTON, NE 68339



 **1 PROJECT LOCATION**
NOT TO SCALE

Sheet Index

Sheet Number	Sheet Title	Sheet Number	Sheet Title
C0.0	Title Sheet	C3.3	East Drainage Surfacing Plan
C1.0	Overall Site Plan	C3.4	East Drainage Profiles and Sections
C1.1	Construction Access Trails	C4.0	Maintenance Shed Site Plan
C2.0	Driveway and Parking Lot Site Plan	C4.1	Maintenance Shed Finished Topography
C2.1	Driveway and Parking Lot Finished Topography	C4.2	Maintenance Shed Cut Fill Plan
C2.2	Driveway and Parking Lot Cut Fill Plan	C4.3	Maintenance Shed Surfacing Plan
C2.3	Driveway and Parking Lot Surfacing Plan	C5.0	Equipment Trail Stabilization Site Plan
C2.4	Driveway and Parking Lot Profile and Sections	C6.0	Watershed Boardwalk Site Plan
C3.0	East Drainage Site Plan	C7.0	Grade Control
C3.1	East Drainage Finished Topography	S1.0	Boardwalk Details
C3.2	East Drainage Cut Fill Plan		

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Title Sheet

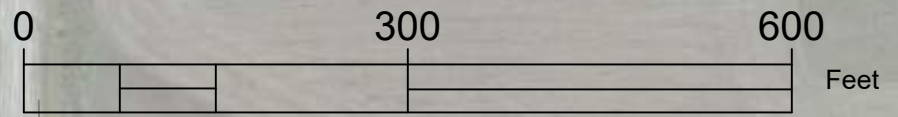
SPRING CREEK PRAIRIE
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4/13/2021

C0.0



PROJECT CONTROL
 VERTICAL DATUM: NAVD 88
 COORDINATE SYSTEM: NE83F -
 NEBRASKA STATE PLANE - US FT

BENCHMARK 2
 N 329923.93
 E 2512370.32
 Z 1373.74
 5/8" REBAR W/CAP

BENCHMARK 1
 N 329456.31
 E 2511728.81
 Z 1370.17
 5/8" REBAR W/CAP

SITE 1:
 DRAINAGE IMPROVEMENTS FOR
 DRIVEWAY AND PARKING LOT

CONSTRUCTION
 ACCESS

PARKING LOT

SITE 2:
 DRAINAGE IMPROVEMENTS
 FOR WATERSHED EAST OF
 PARKING LOT

VISITOR
 CENTER

EQUIPMENT
 SHED

CARETAKER
 RESIDENCE

DAM

EXISTING
 POND

PHASE I
 STAGING AREA

SITE 3:
 MAINTENANCE BUILDING PAD

SITE 4:
 EQUIPMENT TRAIL
 STABILIZATION

CONSTRUCTION
 ACCESS
 SEE SHEET C1.1

SITE 5:
 REPLACE BOARDWALK ACROSS
 SOUTHEAST DRAINAGE

CONSTRUCTION
 ACCESS
 SEE SHEET C1.1

CONSTRUCTION
 ACCESS
 SEE SHEET C1.1

SW 100TH STREET

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Site Plan

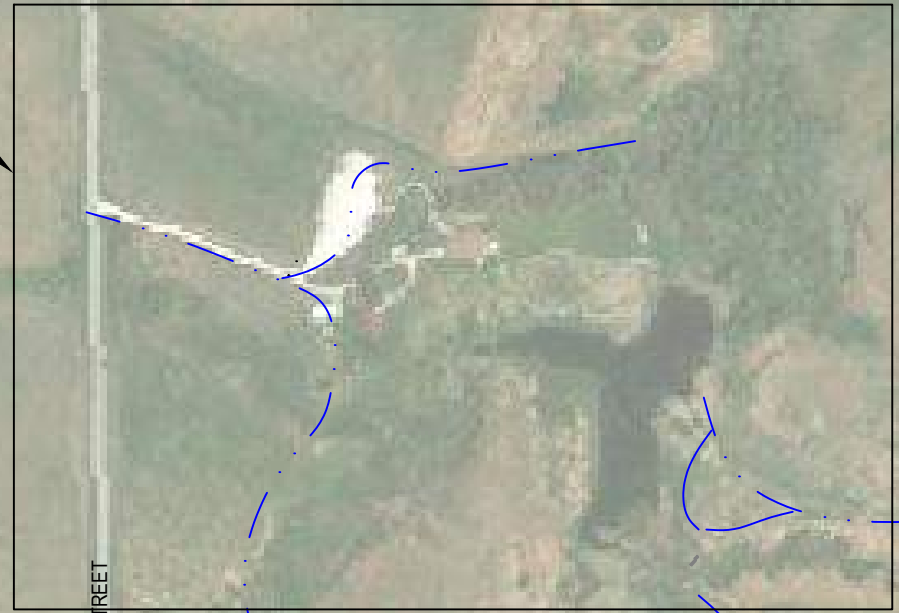
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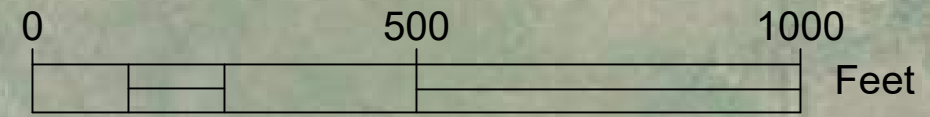
C1.0

PROJECT AREAS
SEE SHEET C1.0



SW 100TH STREET

W BENNET ROAD



NOTE:
RESTRICT VEHICLE TRAVEL TO APPROVED
CONSTRUCTION ACCESS TRAILS

CONSTRUCTION
ACCESS TRAILS

CONSTRUCTION
ACCESS TRAILS

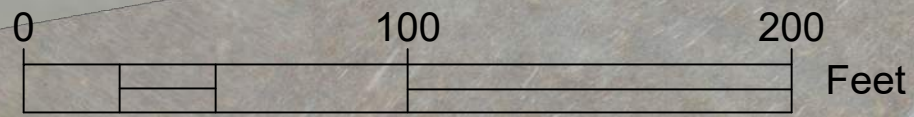
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Site Plan
Construction Access Trails

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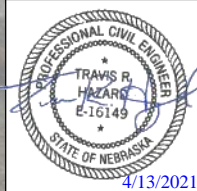


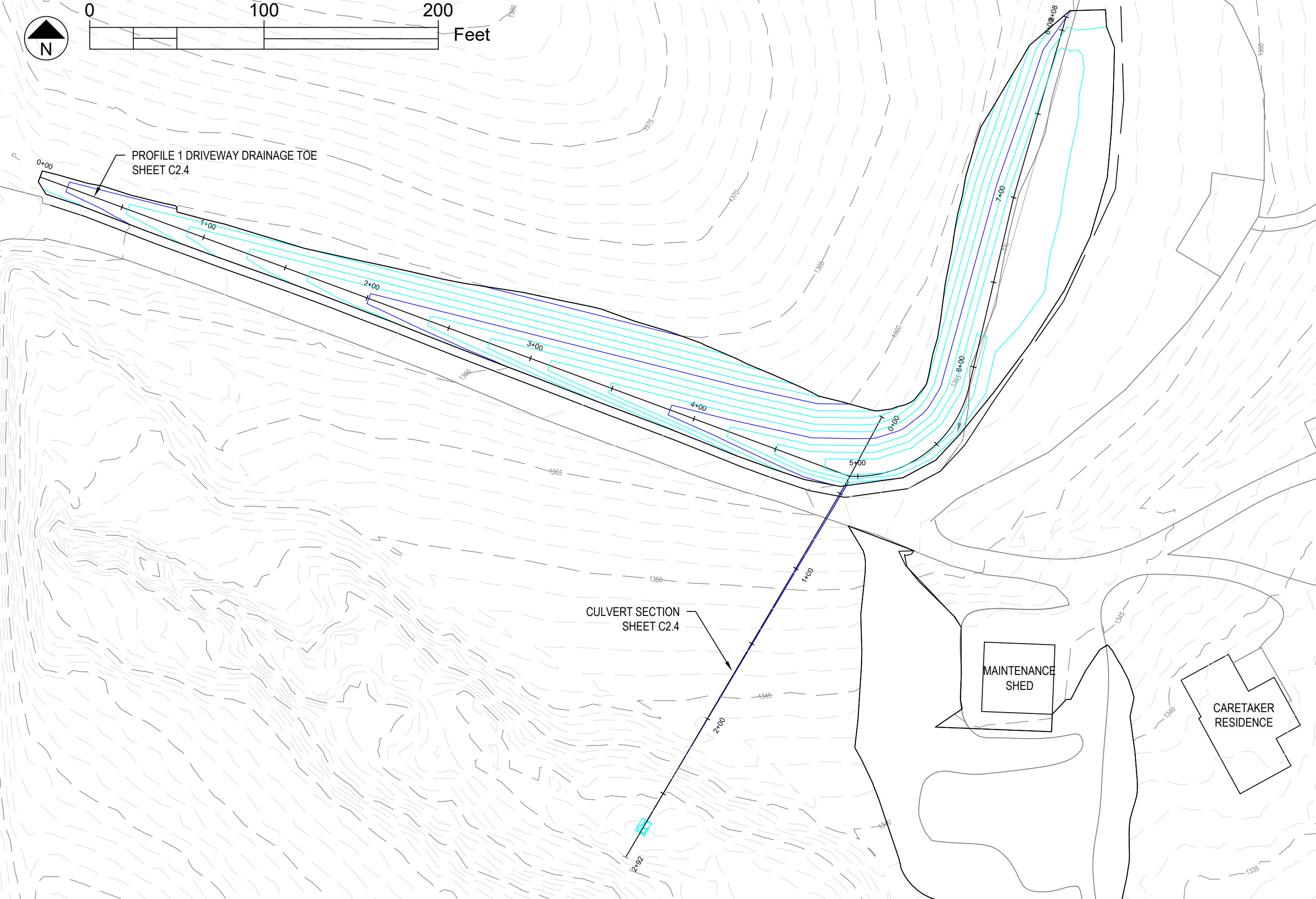
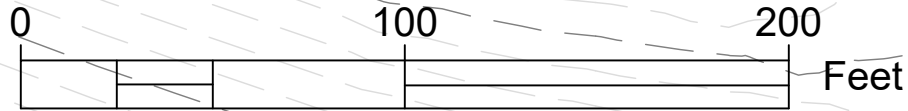
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Site Plan
Driveway and Parking Lot

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PROFILE 1 DRIVEWAY DRAINAGE TOE
SHEET C2.4

CULVERT SECTION
SHEET C2.4

MAINTENANCE
SHED

CARETAKER
RESIDENCE

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Rev. Date

Finished Topography
Driveway and Parking Lot

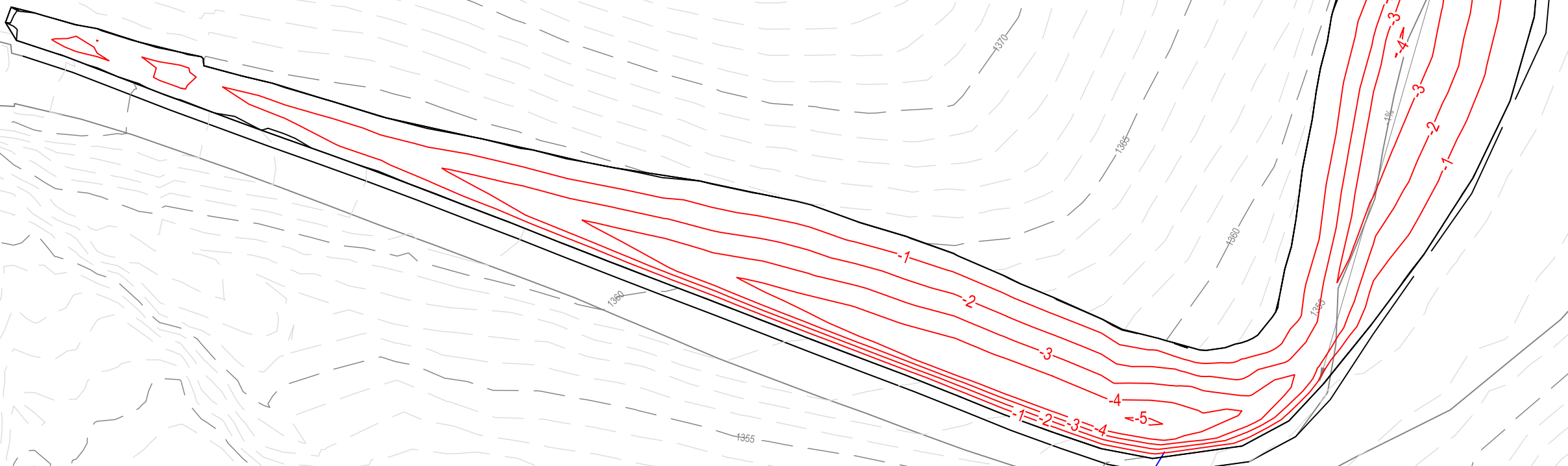
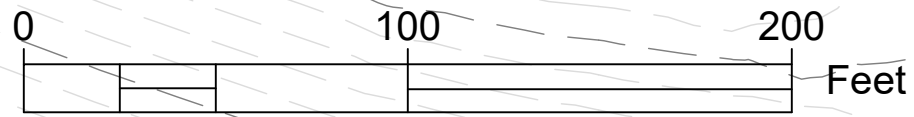
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C2.1



EXCAVATION TOTAL
 CUT FROM THIS SITE: 2,300 CUBIC YARDS
 SPOIL FROM THIS SITE: 2,300 CUBIC YARDS

PROPOSED FEET OF CUT ———

STRIP AND SALVAGE TOPSOIL FOR
 USE IN RE-SEEDING.

MAINTENANCE
SHED

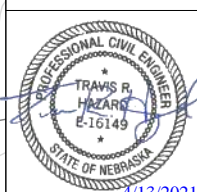
CARETAKER
RESIDENCE

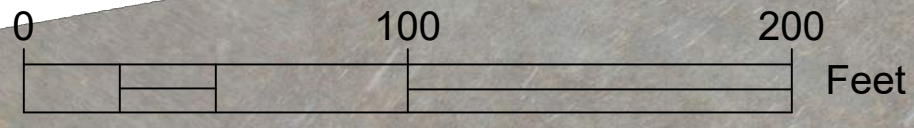
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Cut Fill Plan
 Driveway and Parking Lot

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5" BASE COURSE AND 3" SURFACING IN EXCAVATED AREAS:
208 TONS BASE COURSE
125 TONS SURFACING

SEED WITH NATIVE GRASS AND SALVAGED TOPSOIL
1.5 ACRES

CONCRETE PAD

3" ROCK SURFACE LAYER FOR RESURFACING DRIVING AREAS
395 TONS

MAINTENANCE SHED

CARETAKER RESIDENCE

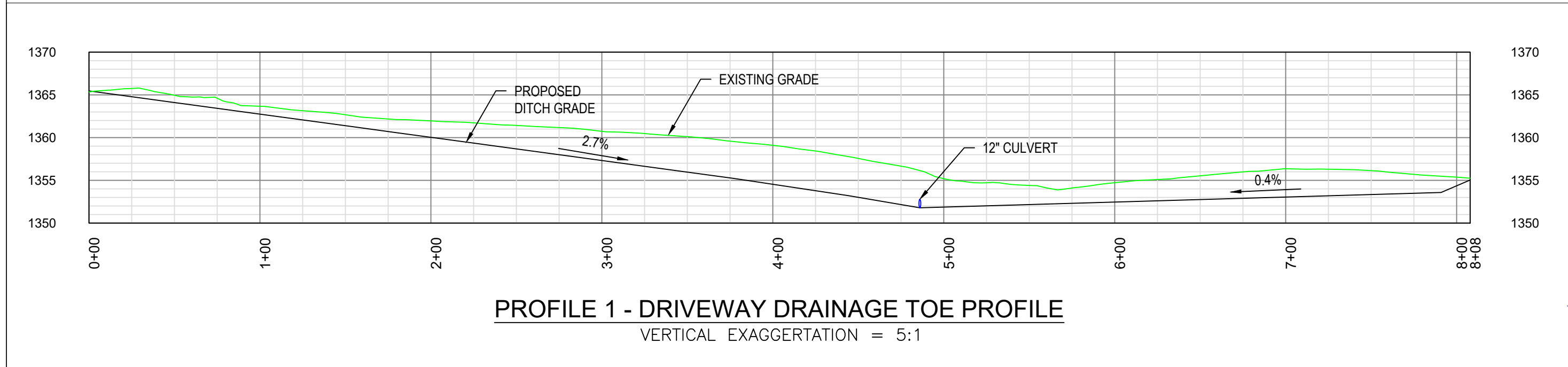
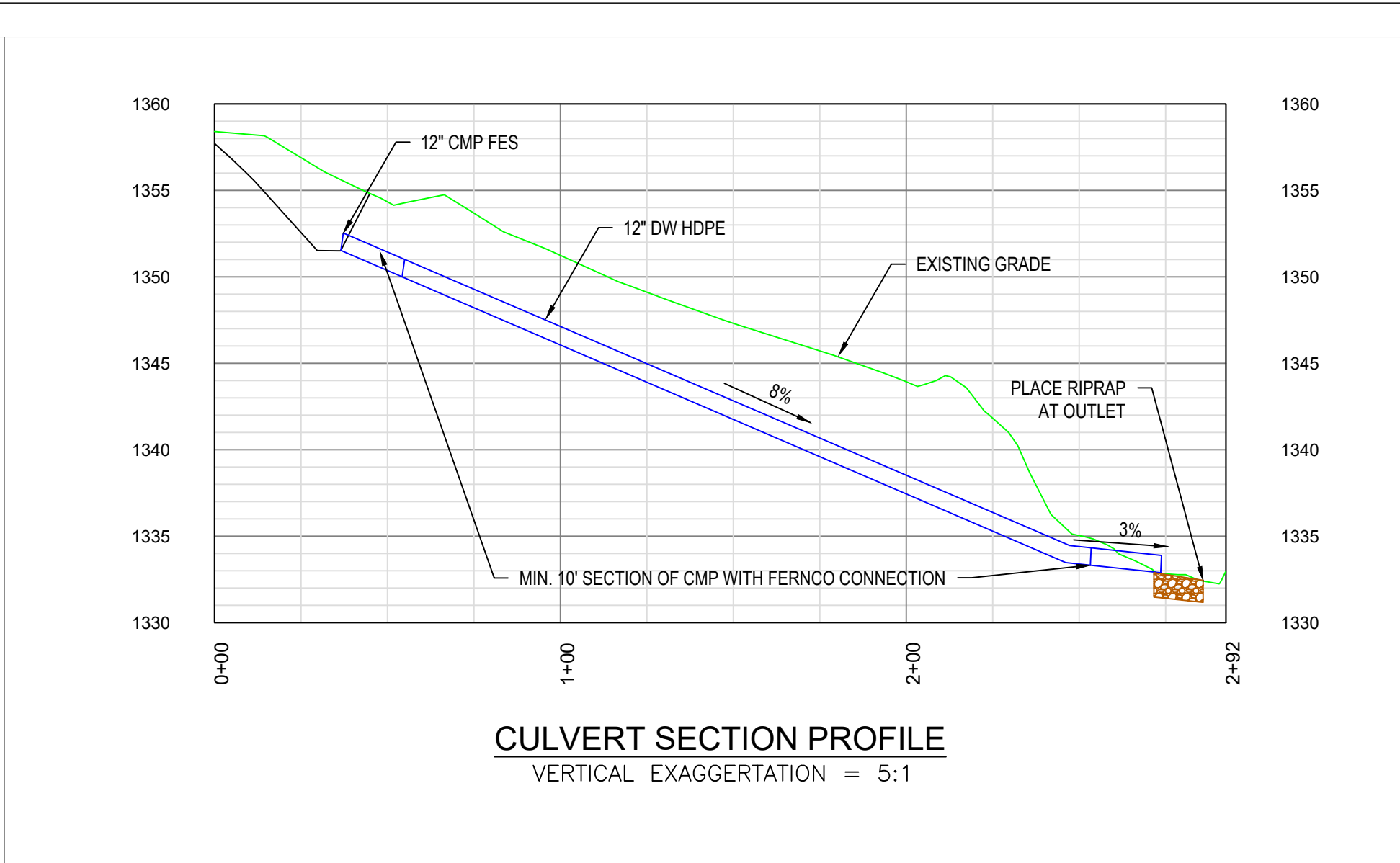
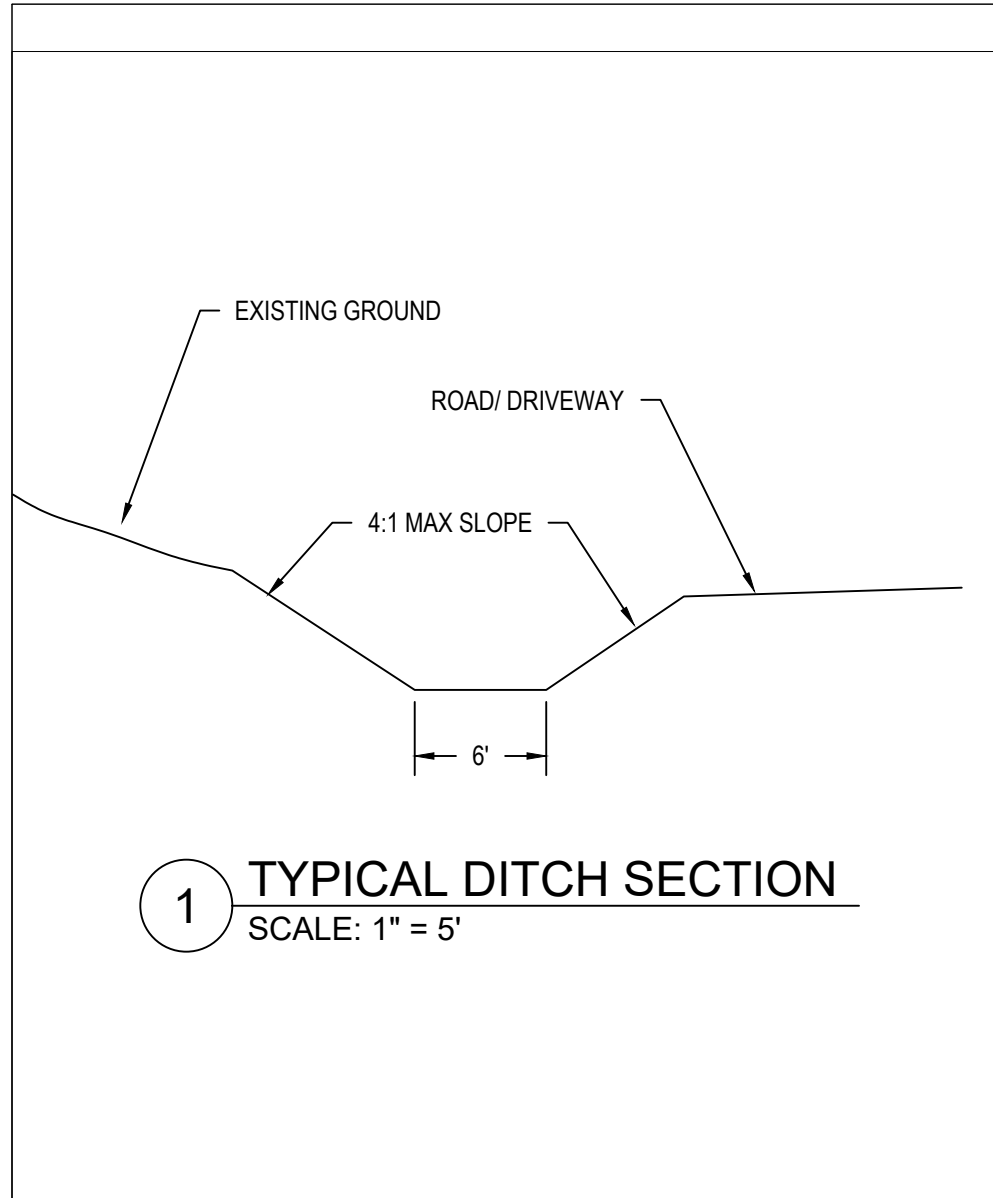
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Surfacing Plan
Driveway and Parking Lot

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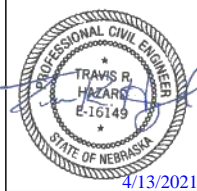


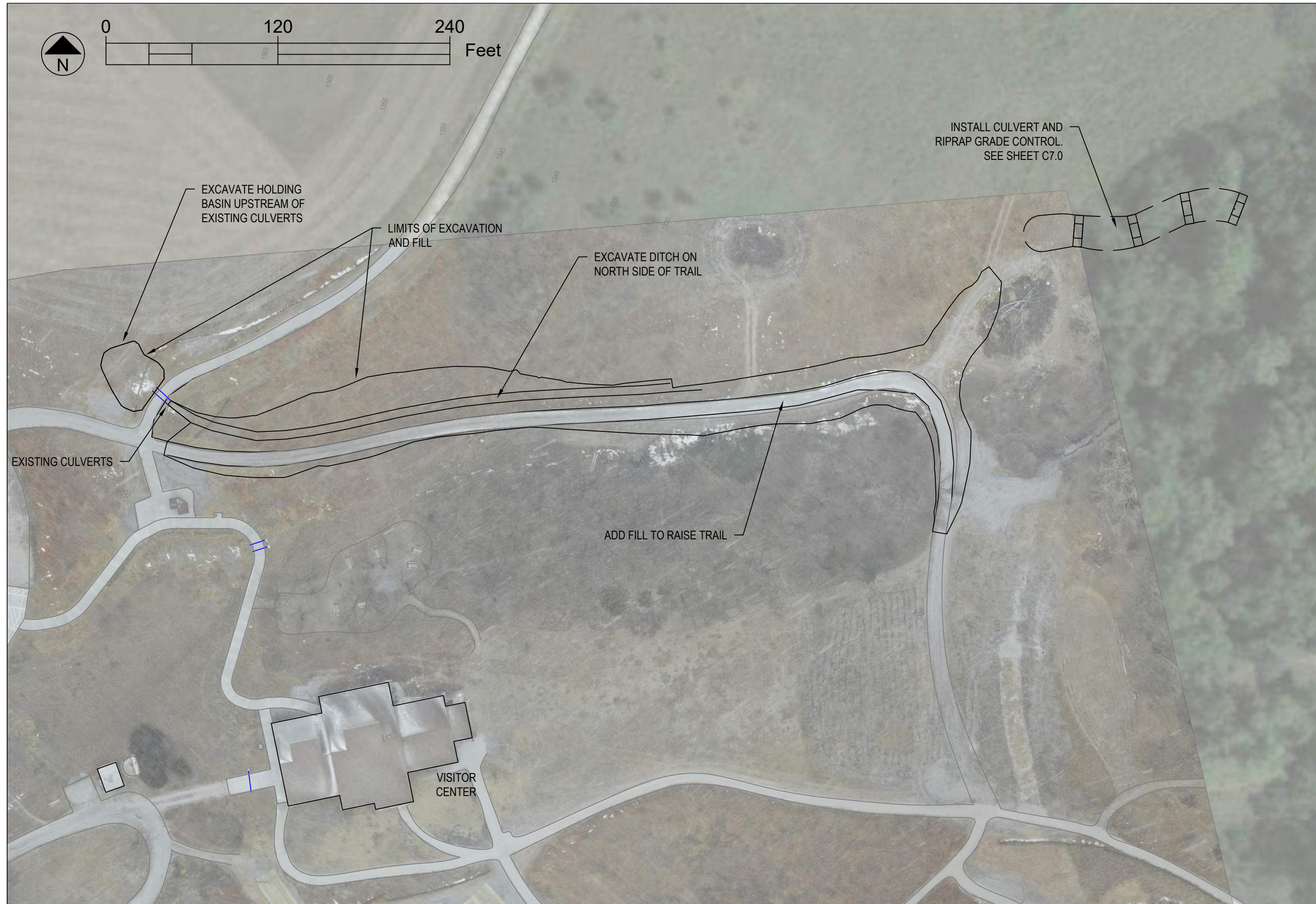
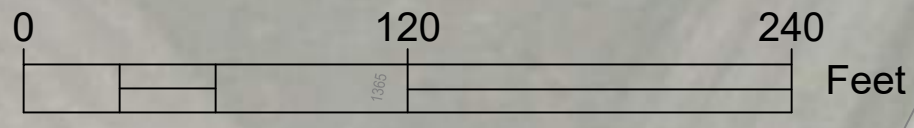
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Profile and Sections
Driveway and Parking Lot

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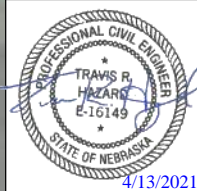


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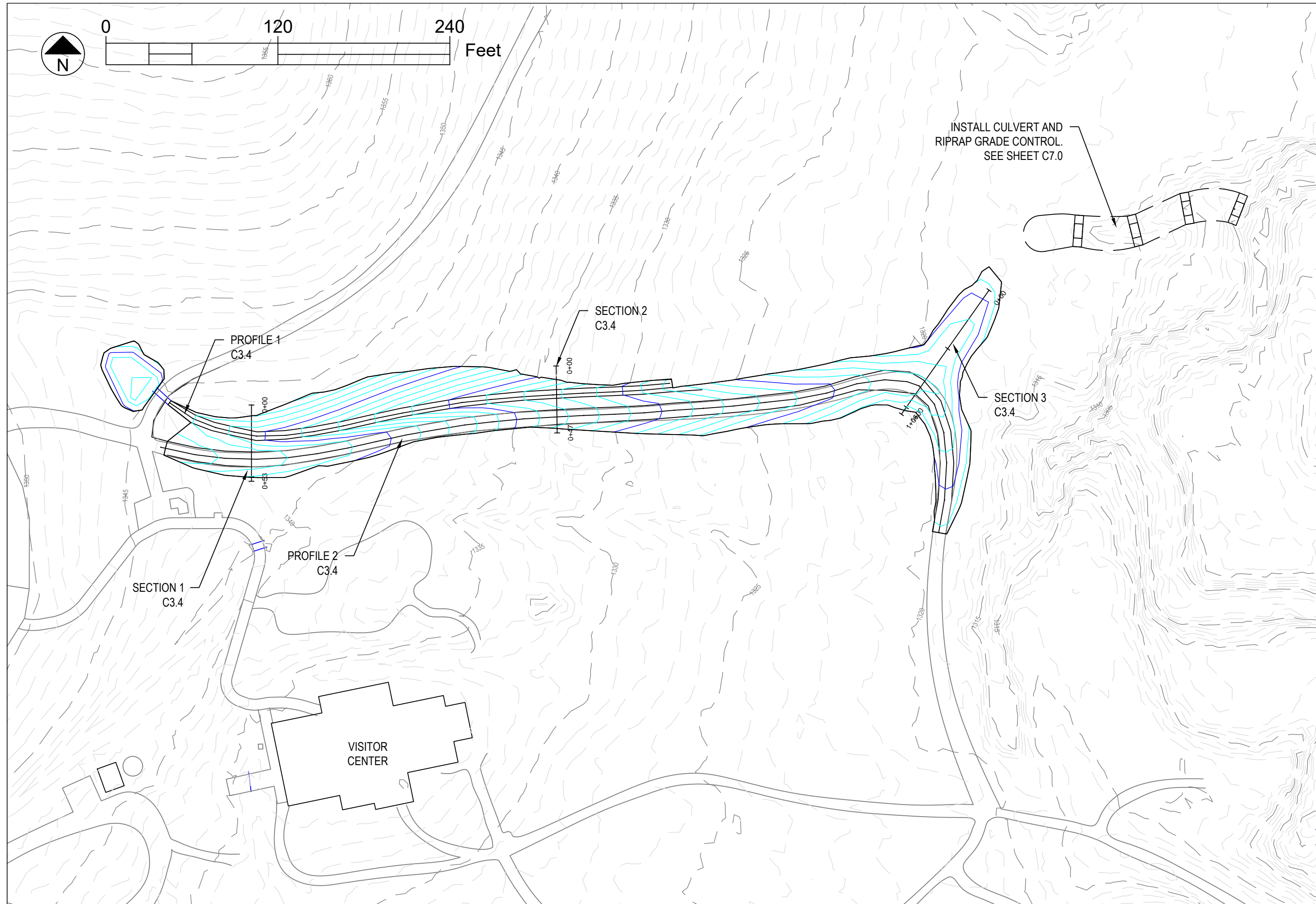
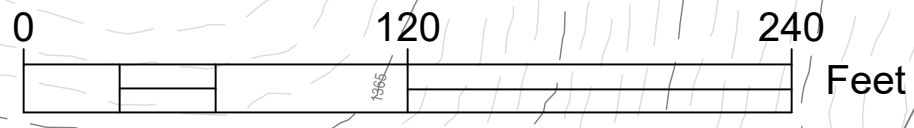
Site Plan
East Drainage

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C3.0



INSTALL CULVERT AND
RIPRAP GRADE CONTROL.
SEE SHEET C7.0



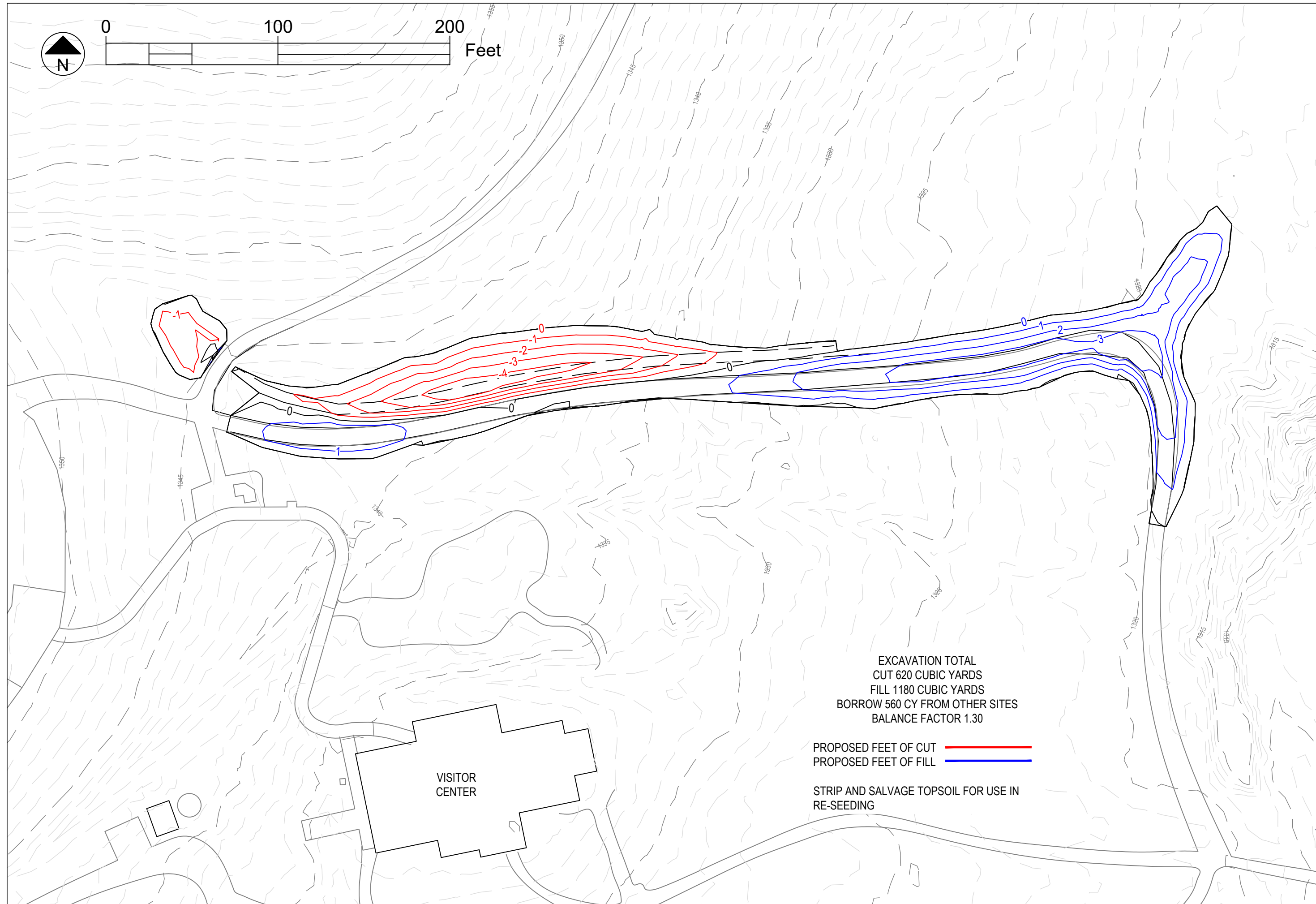
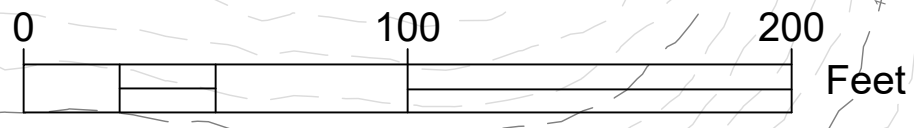
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Finished Topography
East Drainage

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EXCAVATION TOTAL
 CUT 620 CUBIC YARDS
 FILL 1180 CUBIC YARDS
 BORROW 560 CY FROM OTHER SITES
 BALANCE FACTOR 1.30

PROPOSED FEET OF CUT ———
 PROPOSED FEET OF FILL ———

STRIP AND SALVAGE TOPSOIL FOR USE IN
 RE-SEEDING

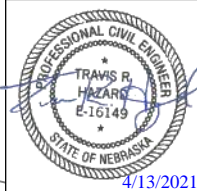
VISITOR
 CENTER

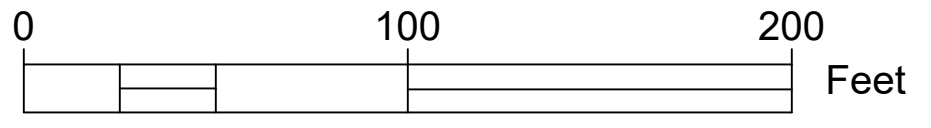
Date Printed: 4/13/21	Date
Rev.	

Cut / Fill Plan
 East Drainage

SPRING CREEK PRAIRIE
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 DENTON, NE 68339

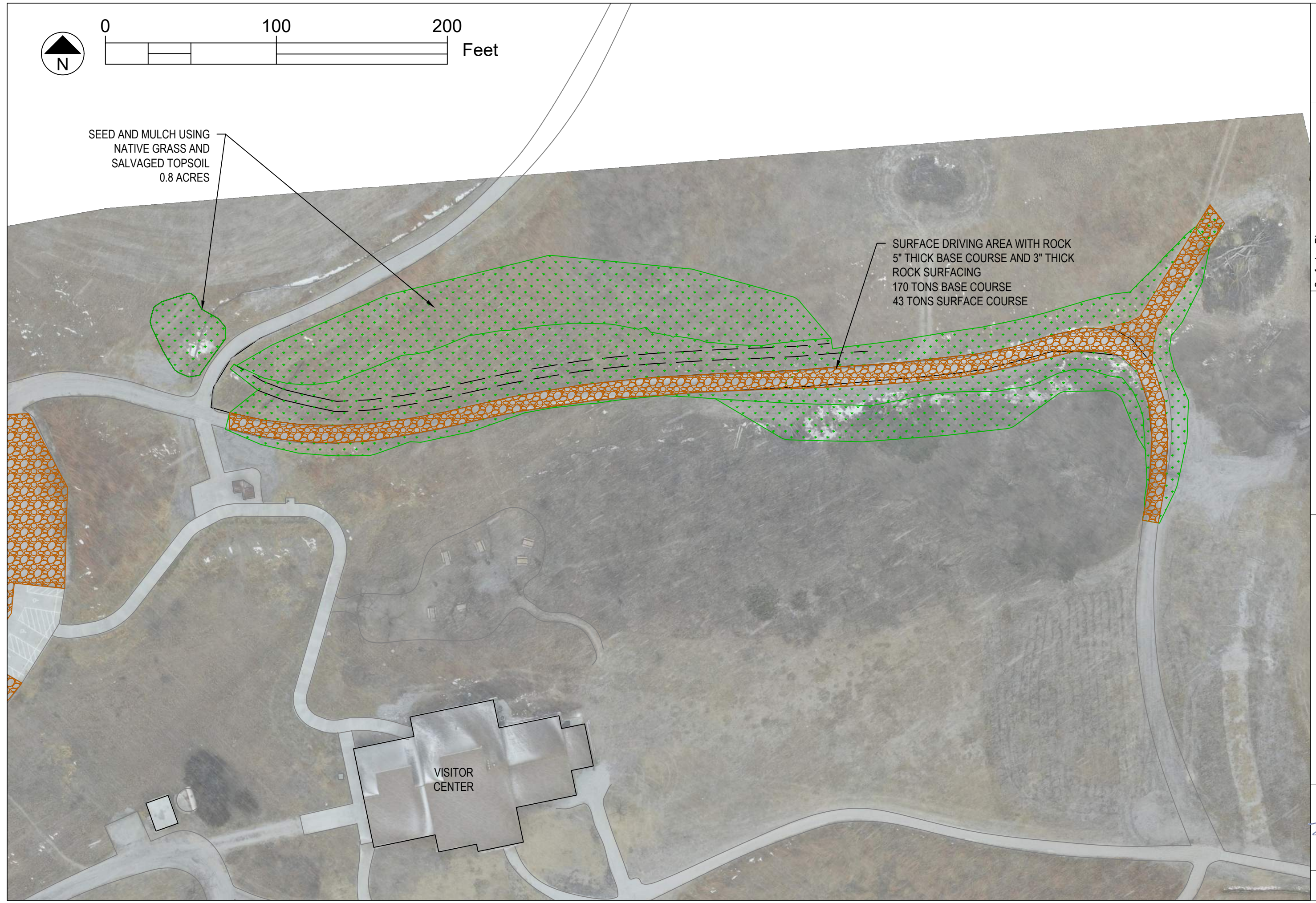
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SEED AND MULCH USING
NATIVE GRASS AND
SALVAGED TOPSOIL
0.8 ACRES

SURFACE DRIVING AREA WITH ROCK
5" THICK BASE COURSE AND 3" THICK
ROCK SURFACING
170 TONS BASE COURSE
43 TONS SURFACE COURSE



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Surfacing Plan
East Drainage

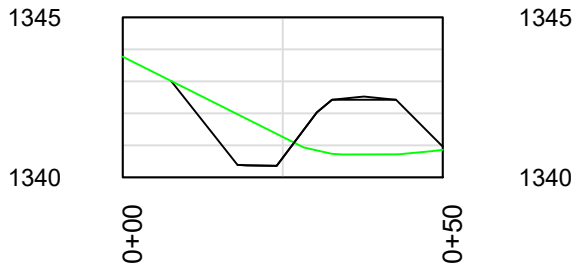
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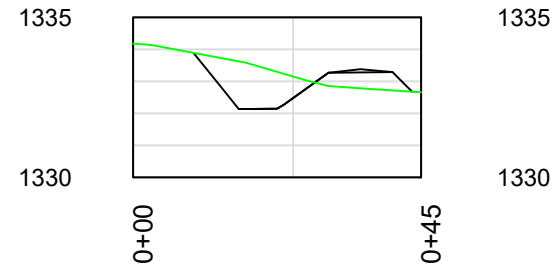


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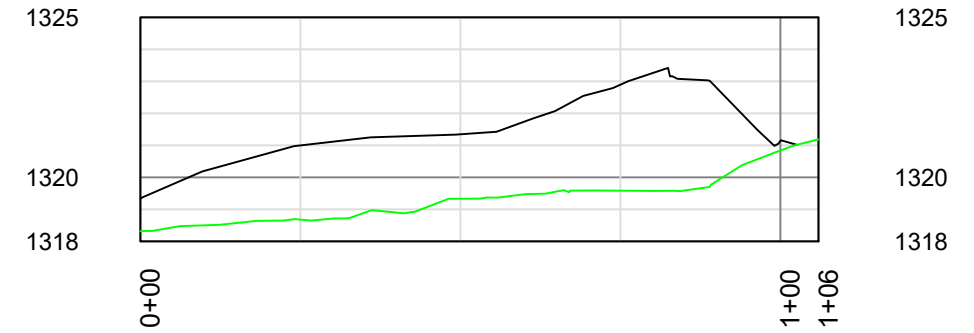
C3.3



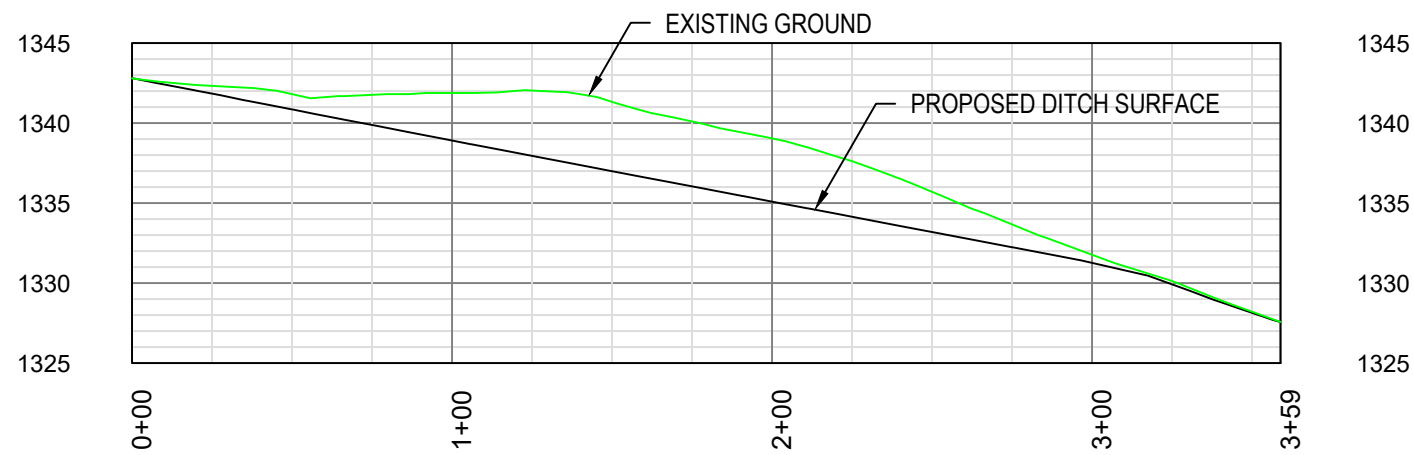
SECTION 1 PROFILE
VERTICAL EXAGGERTATION = 5:1



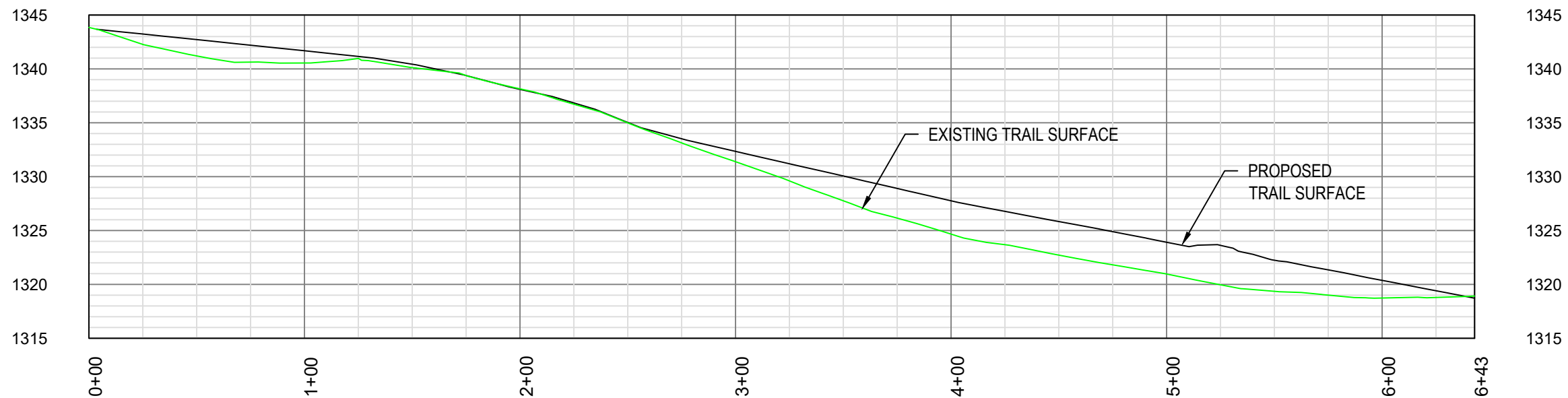
SECTION 2 PROFILE
VERTICAL EXAGGERTATION = 5:1



SECTION 3 PROFILE
VERTICAL EXAGGERTATION = 5:1



PROFILE 1 - EAST DRAINAGE TOE PROFILE
VERTICAL EXAGGERTATION = 5:1



PROFILE 2 - EAST TRAIL TOP PROFILE
VERTICAL EXAGGERTATION = 5:1

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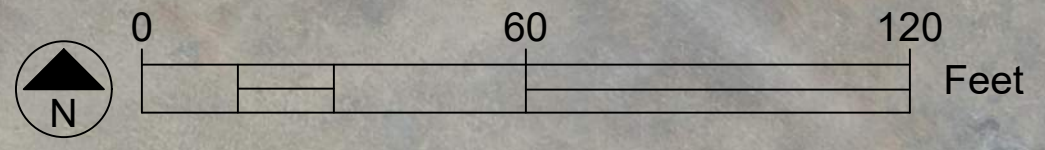
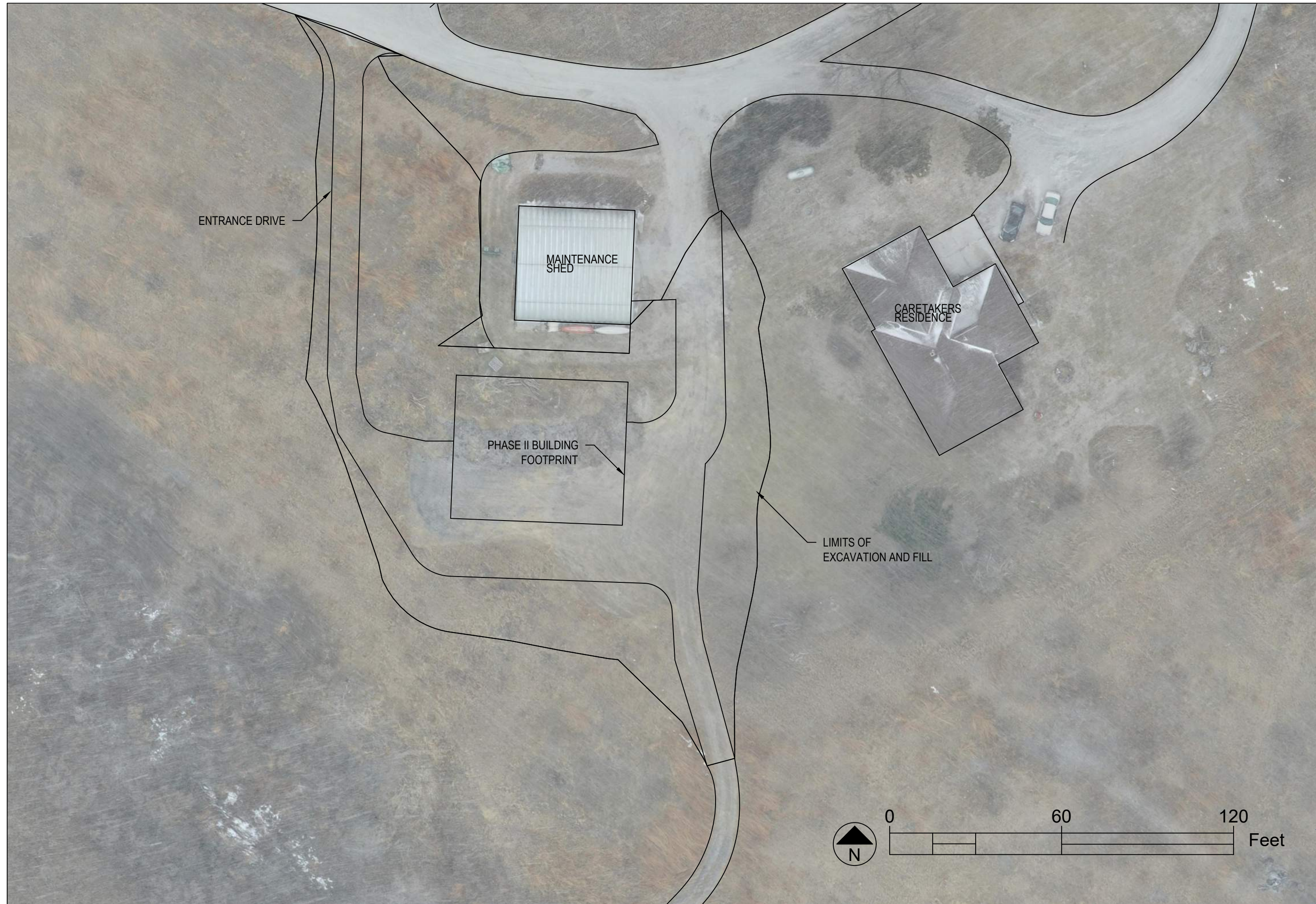
Profiles and Sections
East Drainage

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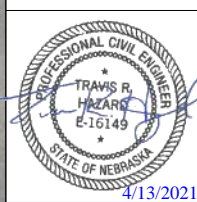


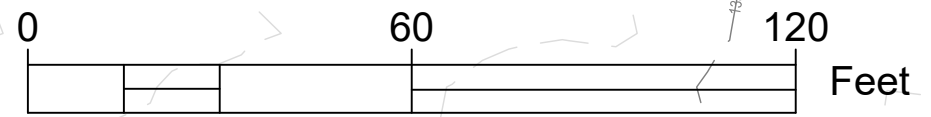
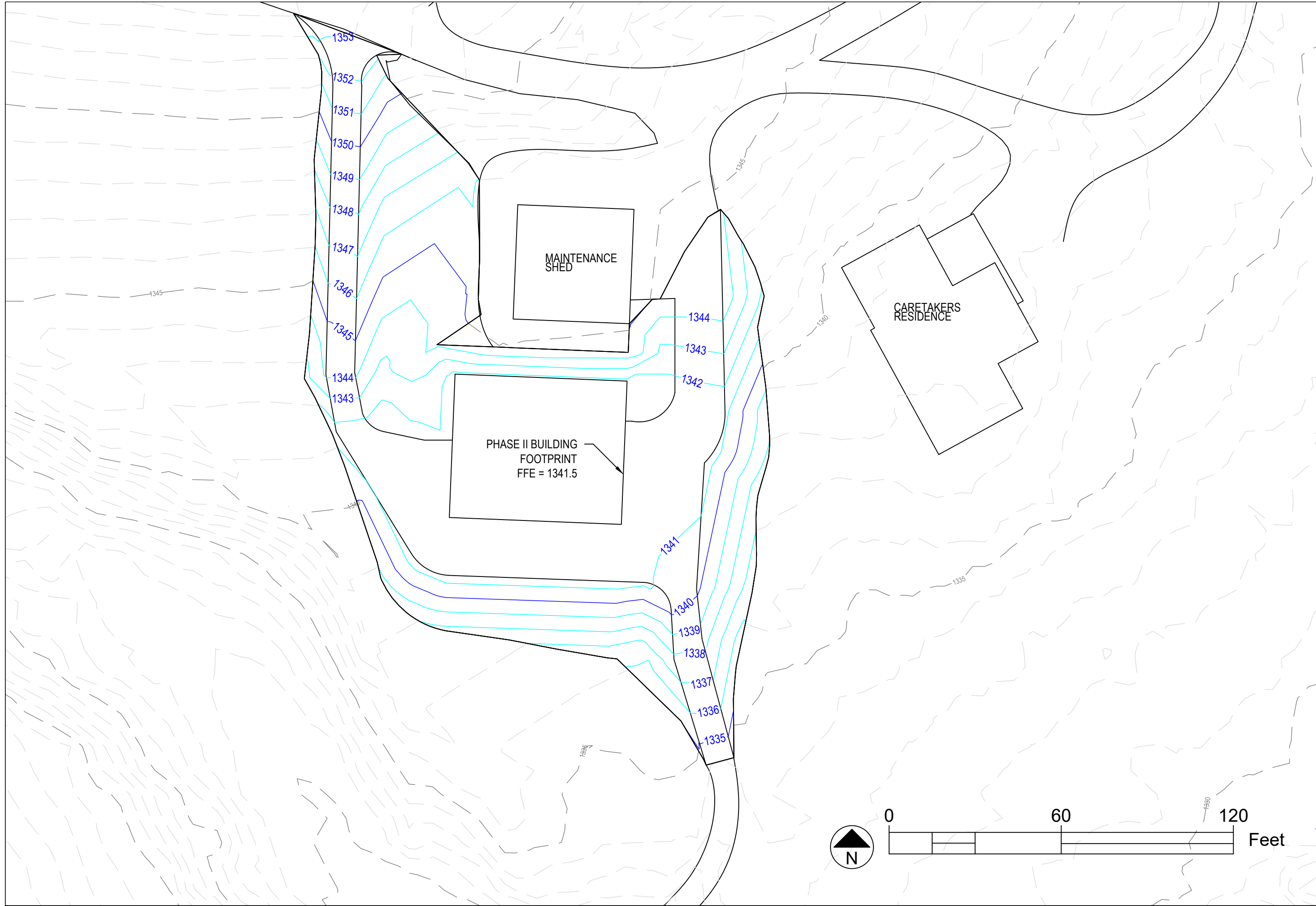
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Site Plan
Maintenance Shed

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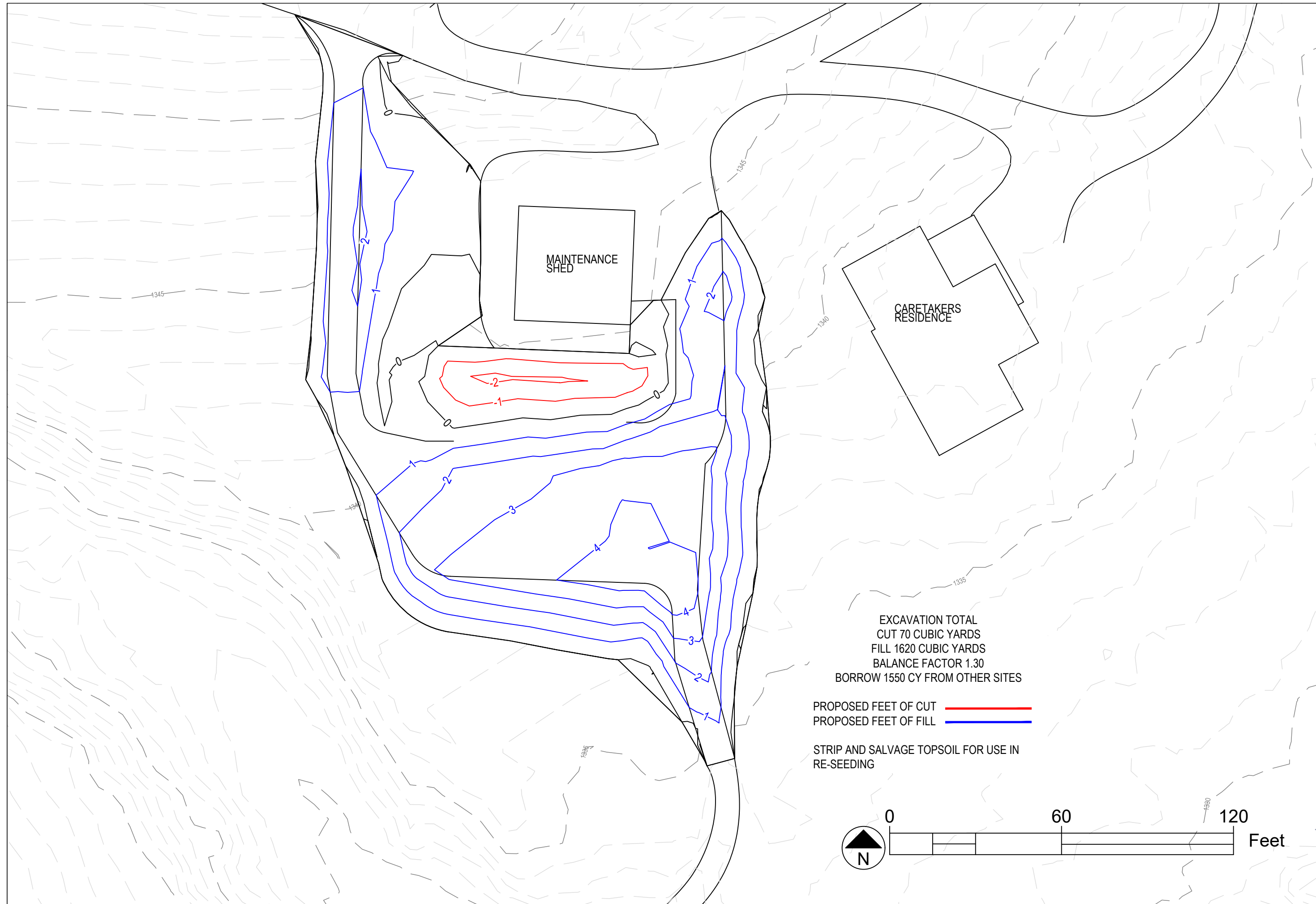
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Finished Topography
Maintenance Shed

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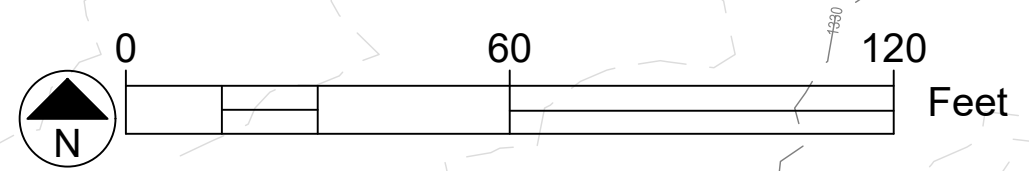




EXCAVATION TOTAL
 CUT 70 CUBIC YARDS
 FILL 1620 CUBIC YARDS
 BALANCE FACTOR 1.30
 BORROW 1550 CY FROM OTHER SITES

PROPOSED FEET OF CUT ———
 PROPOSED FEET OF FILL ———

STRIP AND SALVAGE TOPSOIL FOR USE IN
 RE-SEEDING



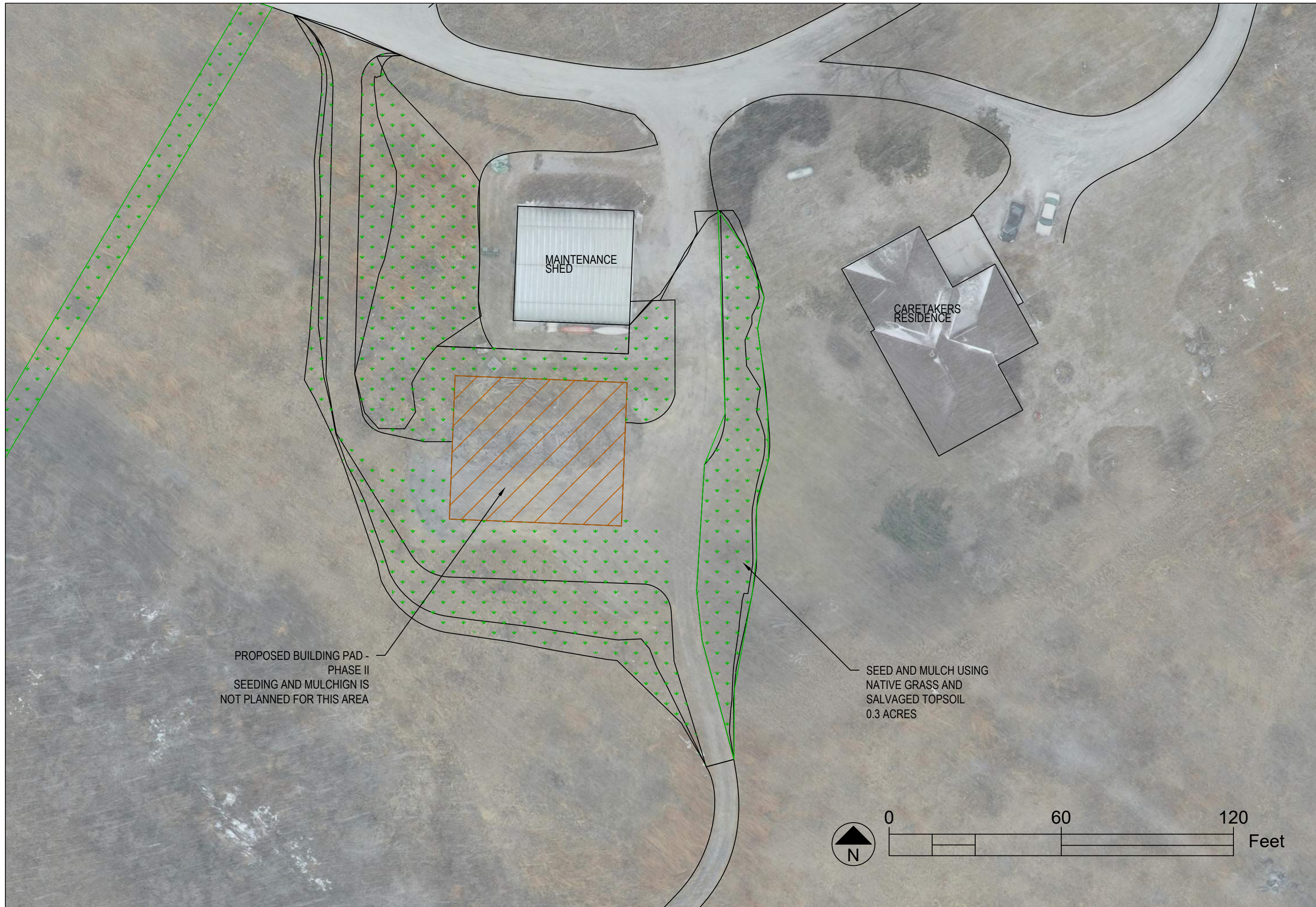
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Date

Cut Fill Plan
 Maintenance Shed

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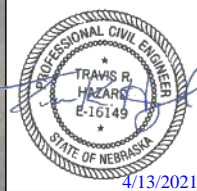
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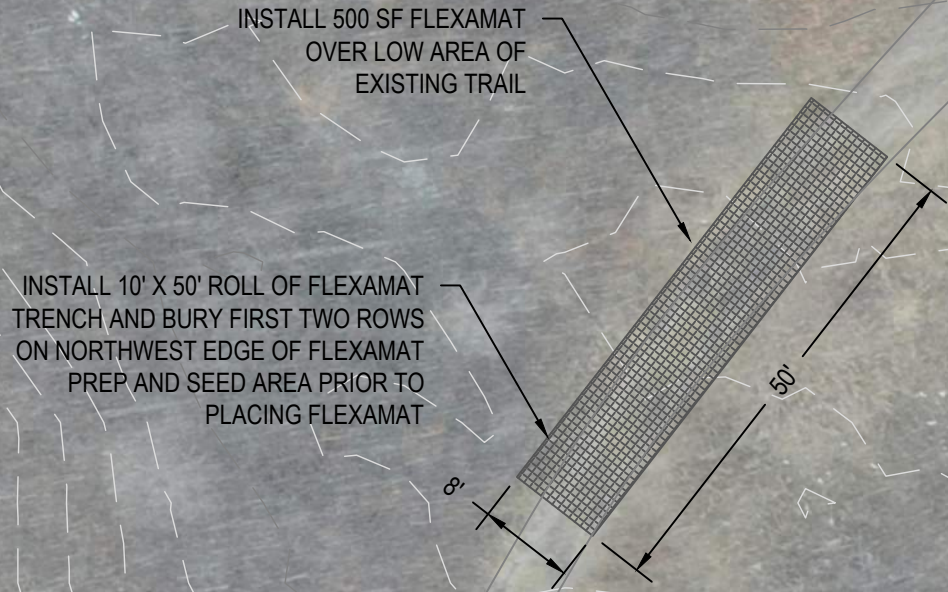
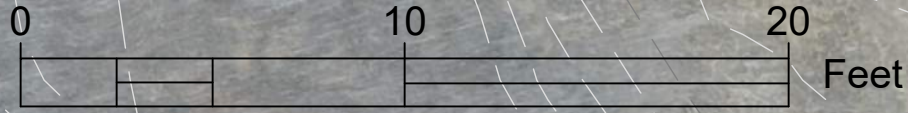
Rev.	Date

Maintenance Shed Surfacing Plan

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Site Plan
Equipment Trail Stabilization

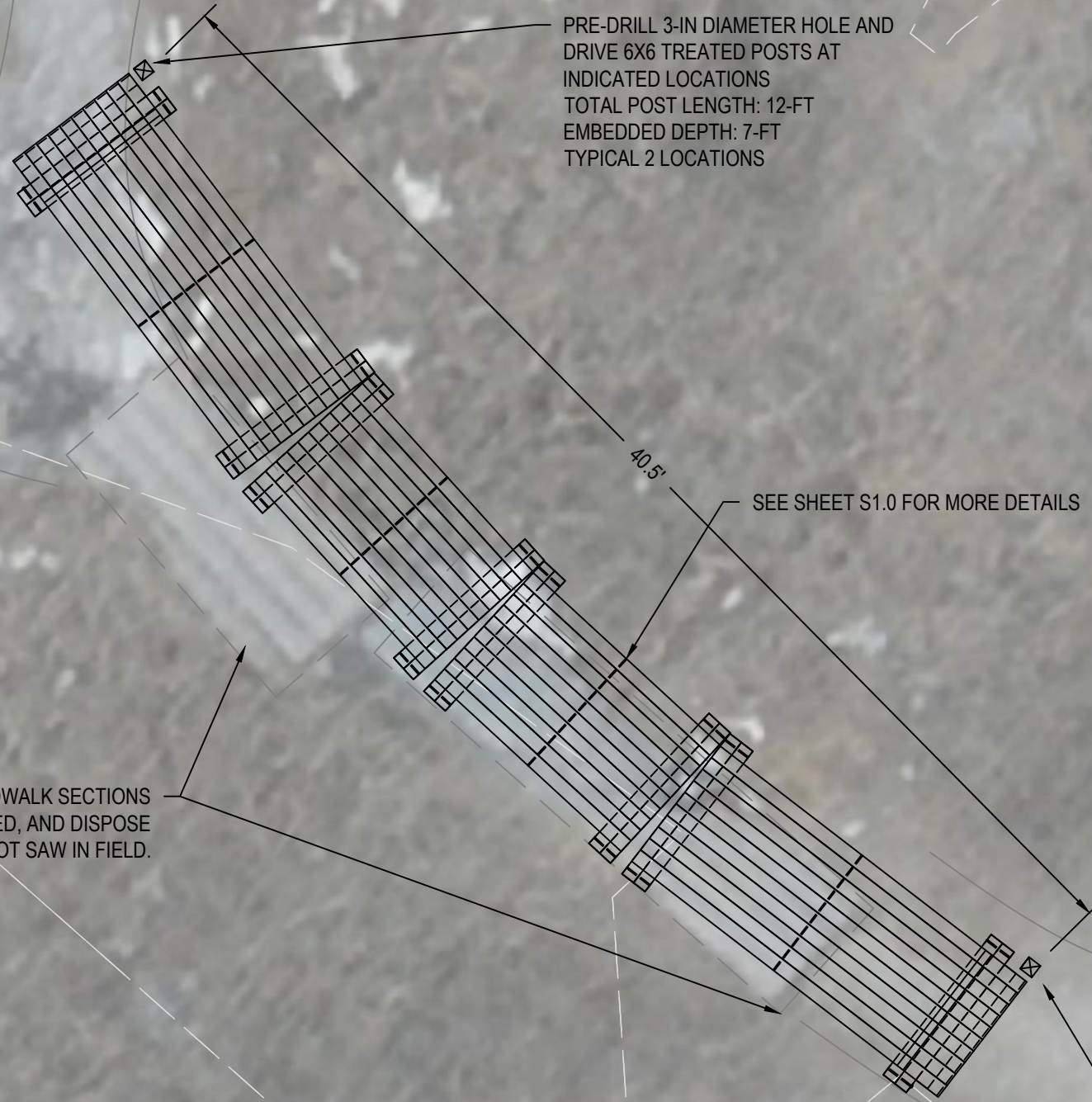
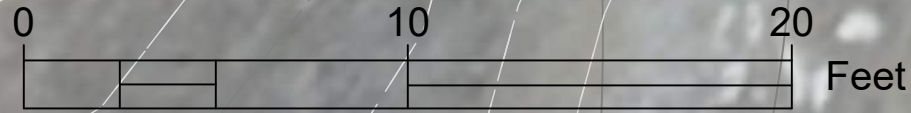
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C5.0



PRE-DRILL 3-IN DIAMETER HOLE AND
DRIVE 6X6 TREATED POSTS AT
INDICATED LOCATIONS
TOTAL POST LENGTH: 12-FT
EMBEDDED DEPTH: 7-FT
TYPICAL 2 LOCATIONS

SEE SHEET S1.0 FOR MORE DETAILS

REMOVE AND DISPOSE OF OLD BOARDWALK SECTIONS
ASSUME SECTIONS ARE CCA TREATED, AND DISPOSE
OF ACCORDINGLY. DO NOT SAW IN FIELD.

LOOP 2'-7" CHAIN AROUND POST. PASS CHAIN
THROUGH EYE-BOLT ON BOARDWALK AND
CONNECT CHAIN ENDS TO FORM CLOSED LOOP.

Date Printed: 4/13/21	Date
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Site Plan
South Watershed Boardwalk

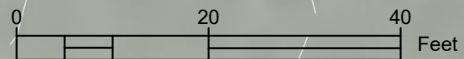
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4/13/2021

C6.0



APPROX. GRADING EXTENTS
(SEED DISTURBED SOIL BETWEEN
STRUCTURES: 0.1 ACRES)

12" PERFORATED INTAKE

12" PIPE

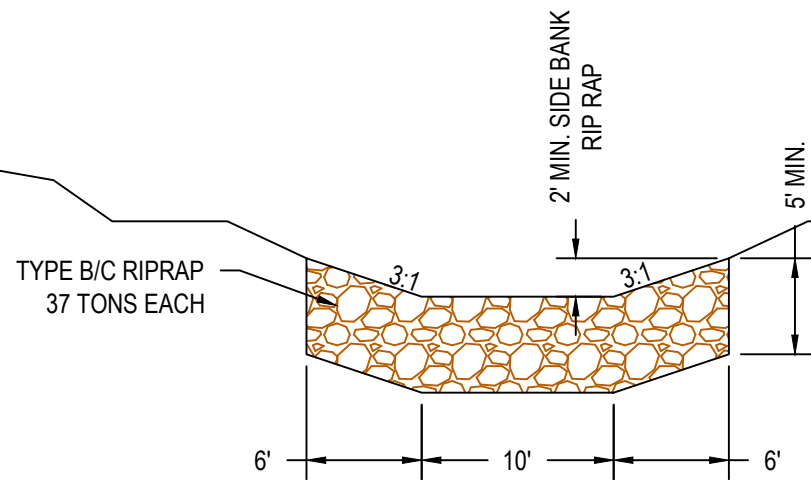
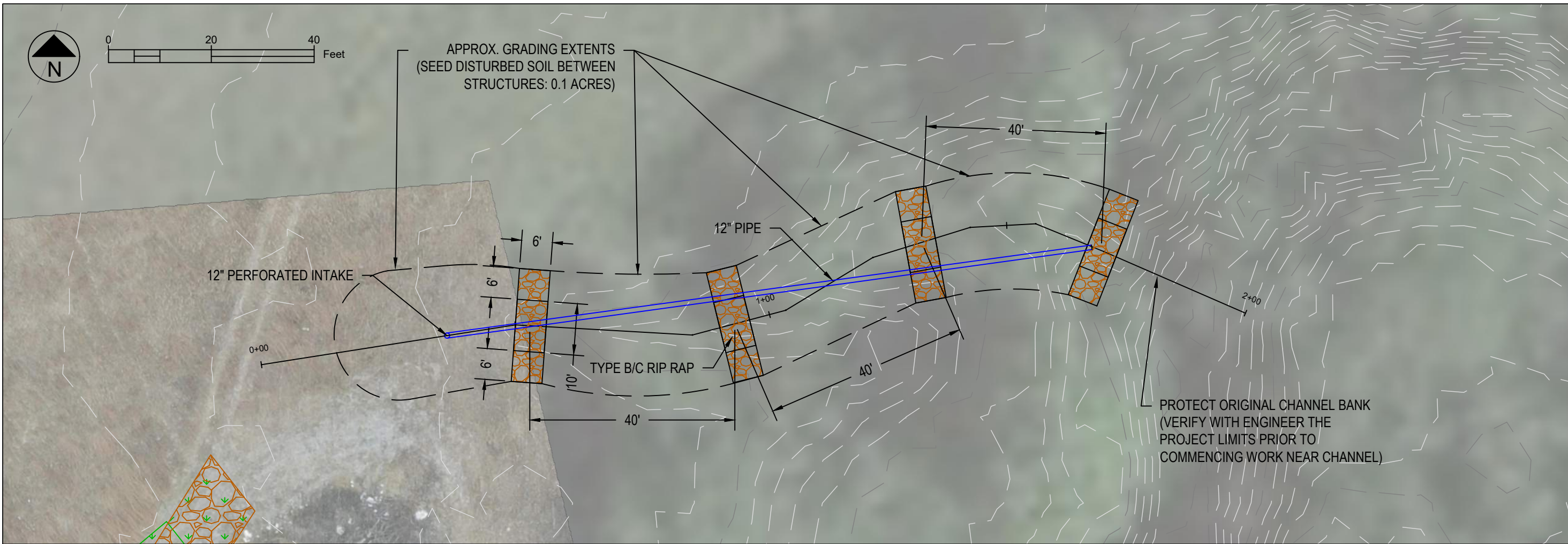
TYPE B/C RIP RAP

PROTECT ORIGINAL CHANNEL BANK
(VERIFY WITH ENGINEER THE
PROJECT LIMITS PRIOR TO
COMMENCING WORK NEAR CHANNEL)

0+00

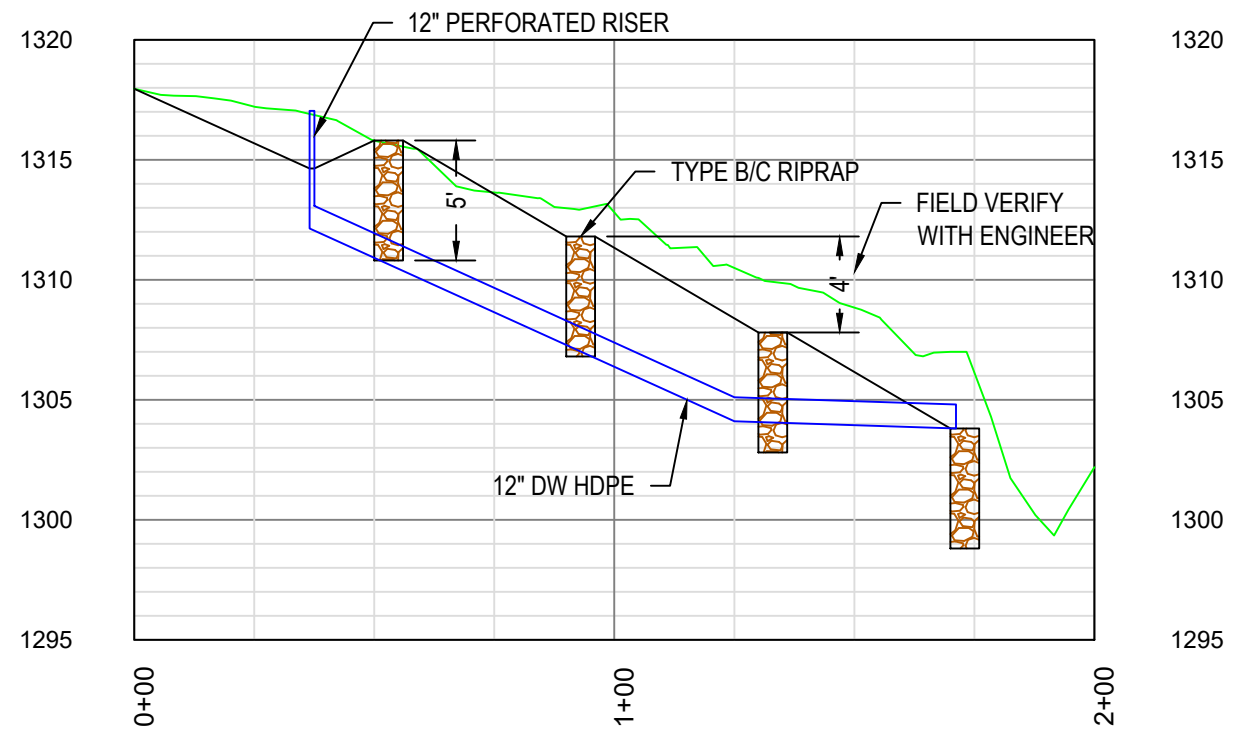
1+00

2+00



GRADE CONTROL CROSS SECTION

VERTICAL EXAGGERATION = 1:1



GRADE CONTROL PROFILE

VERTICAL EXAGGERATION = 5:1

Date Printed: 4/13/21

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Grade Control

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Web Site: www.settje.com

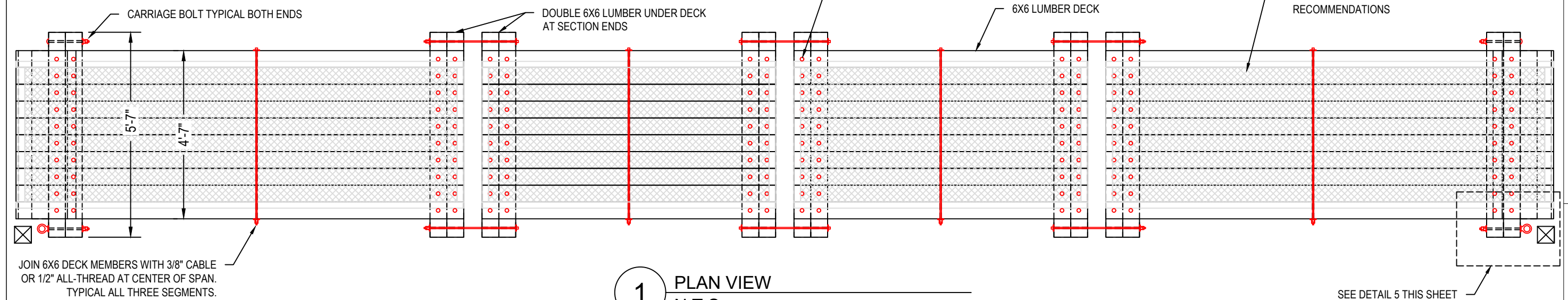


4/13/2021

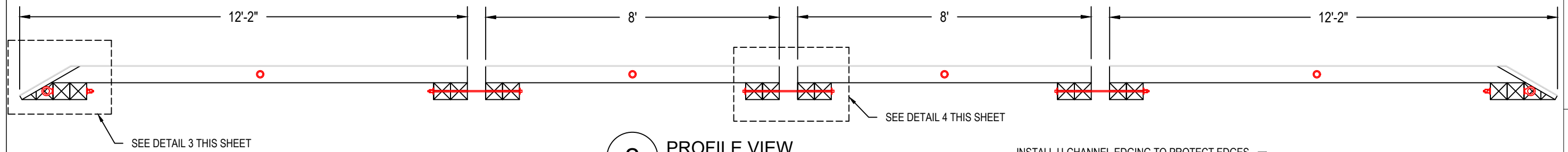
C7.0

GENERAL NOTES

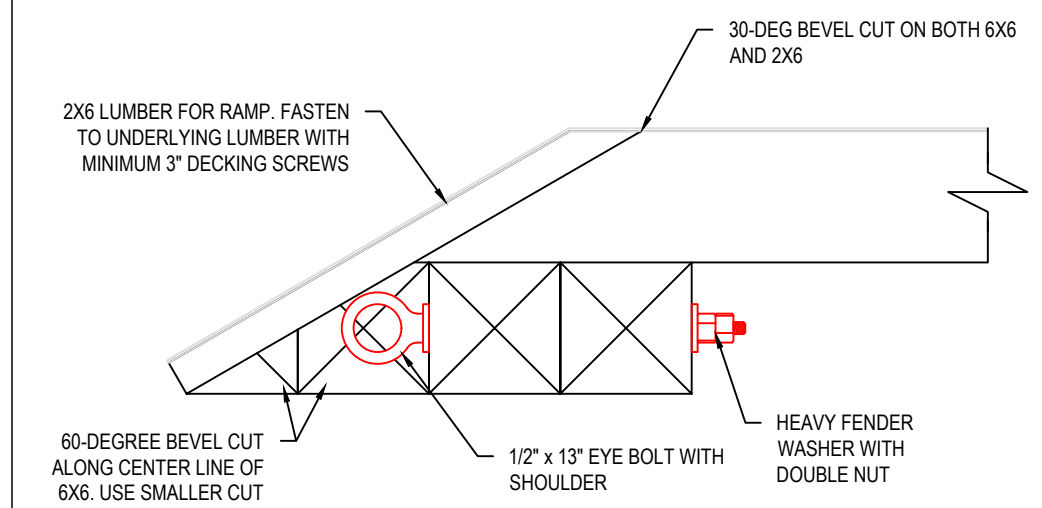
1. ALL LISTED LUMBER DIMENSIONS ARE NOMINAL
2. ALL LUMBER SHALL BE PRESSURE TREATED WITH CCA PRESERVATIVE TO 0.40 PCF CONCENTRATION
3. FIELD-CUTTING CCA LUMBER IS PROHIBITED. RELEASE OF CCA SAWDUST ON THE PROPERTY IS PROHIBITED.
4. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED, UNLESS NOTED OTHERWISE. NO ALUMINUM IS ALLOWED IN CONTACT WITH WOOD.
5. ANY CUT OR CRIMPED STEEL SHALL BE COLD GALVANIZED IN SHOP CONDITIONS.



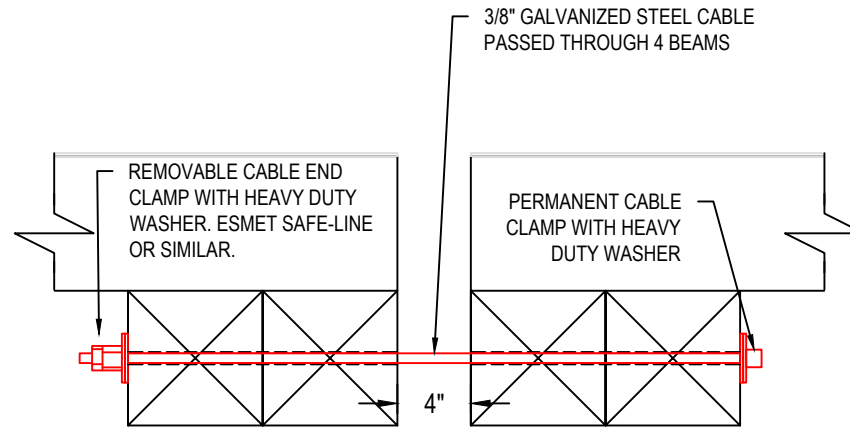
1 PLAN VIEW
N.T.S.



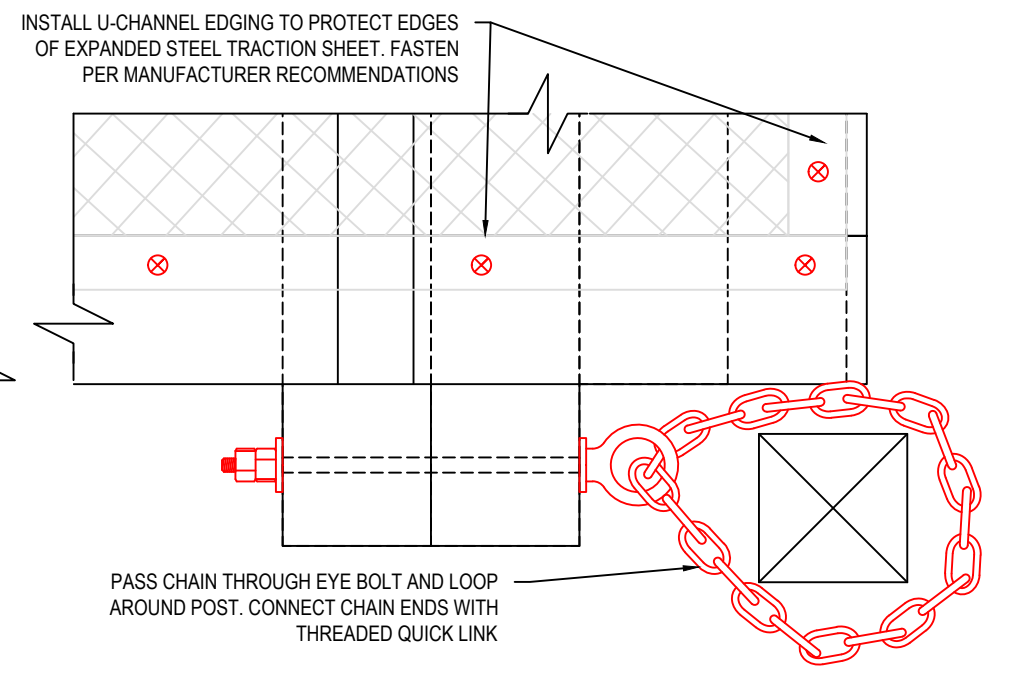
2 PROFILE VIEW
N.T.S.



3 RAMP CONSTRUCTION DETAIL
N.T.S.



4 SECTION CONNECTOR DETAIL
N.T.S.



5 CHAIN ANCHORING DETAIL
N.T.S.

Boardwalk Details

SPRING CREEK PRAIRIE
11700 SW 100TH ST
DENTON, NE 68839

15460 NW 48th St.
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