

CITY OF DEADWOOD

MOUNT MORIAH CEMETERY

2022 PRESERVATION IMPROVEMENTS, DEADWOOD, SD

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CITY OF DEADWOOD

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Historic Preservation Officer

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DATE:	BY:
RELEASE DATE:	04-20-2022
PROJECT CONTACT:	MIKE BENDER
PROJECT NUMBER:	2020-018



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DEADWOOD, SD

COVER SHEET

SHEET: L-0

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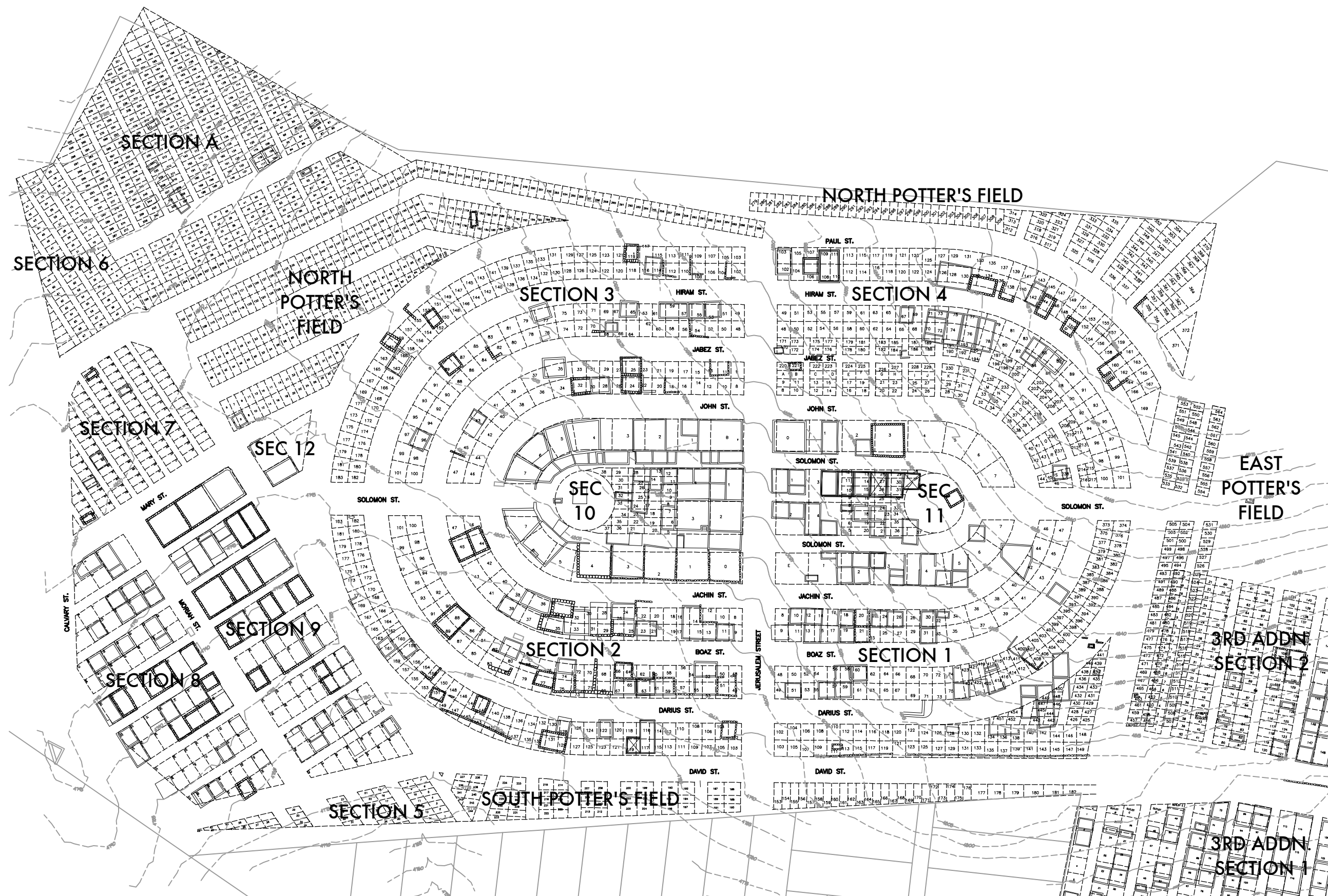
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DEADWOOD, SD

OVERALL PLAN

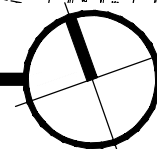
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L-1



OVERALL SITE PLAN

SCALE: 1" = 60'



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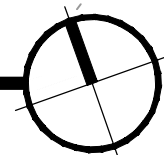
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DEADWOOD, SD

L-2

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F
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SCALE: 1" = 20'



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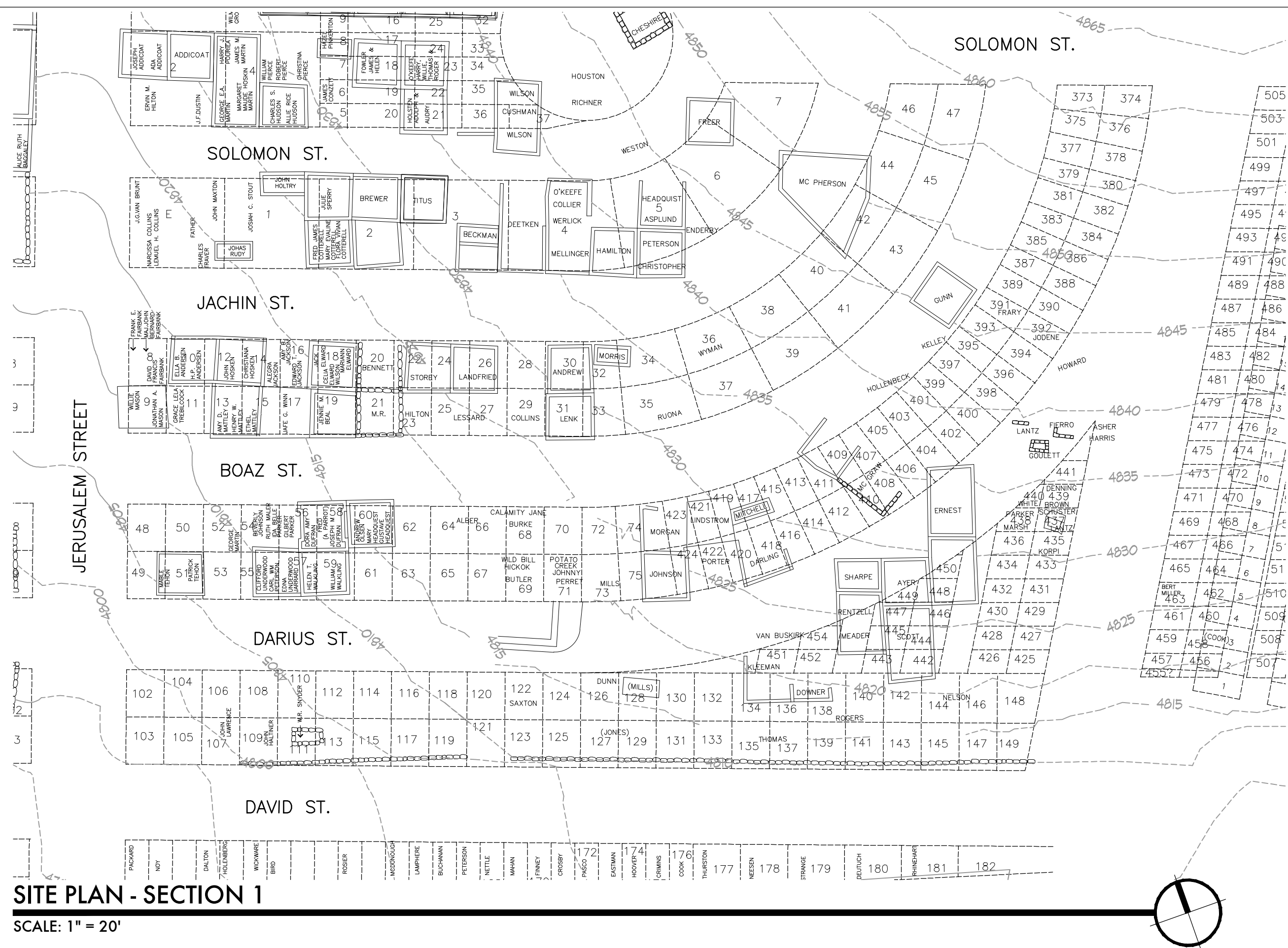
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SECTION 3

L-4

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PRINT DATE: 4/10/2022



SITE PLAN - SECTION 1

SCALE: 1" = 20'



NORTH ELEVATION

REATTACH CAP STONES AND REPOINT MORTAR JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



VIEW FROM NORTHWEST

REATTACH CAP STONES AND REPOINT MORTAR JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.

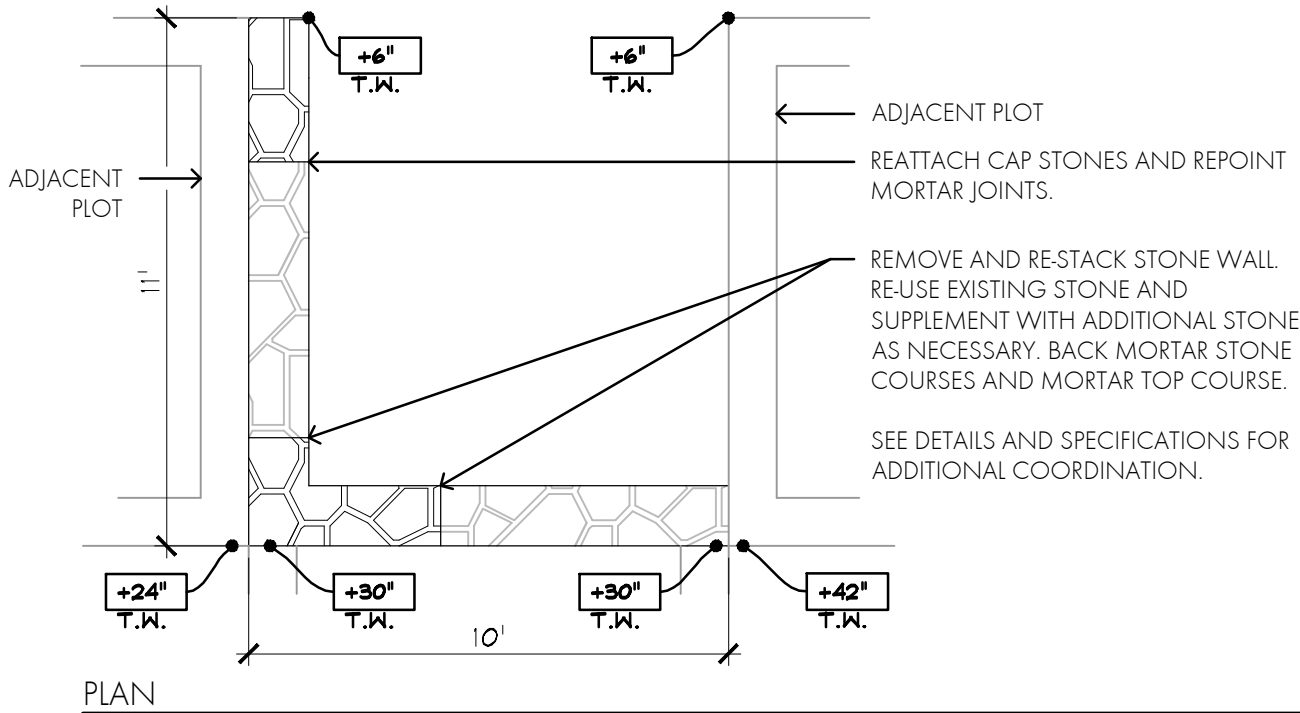


WEST ELEVATION



SOUTH ELEVATION

REPAIR SECTION OF WALL. SUPPLEMENT WITH ADDITIONAL STONE, AS NEEDED. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



SECTION 1, PLOT 20 - BENNETT

SCALE: 1/4" = 1'-0"



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SEC 1 PLOT 20
BENNETT PLOT

L-6

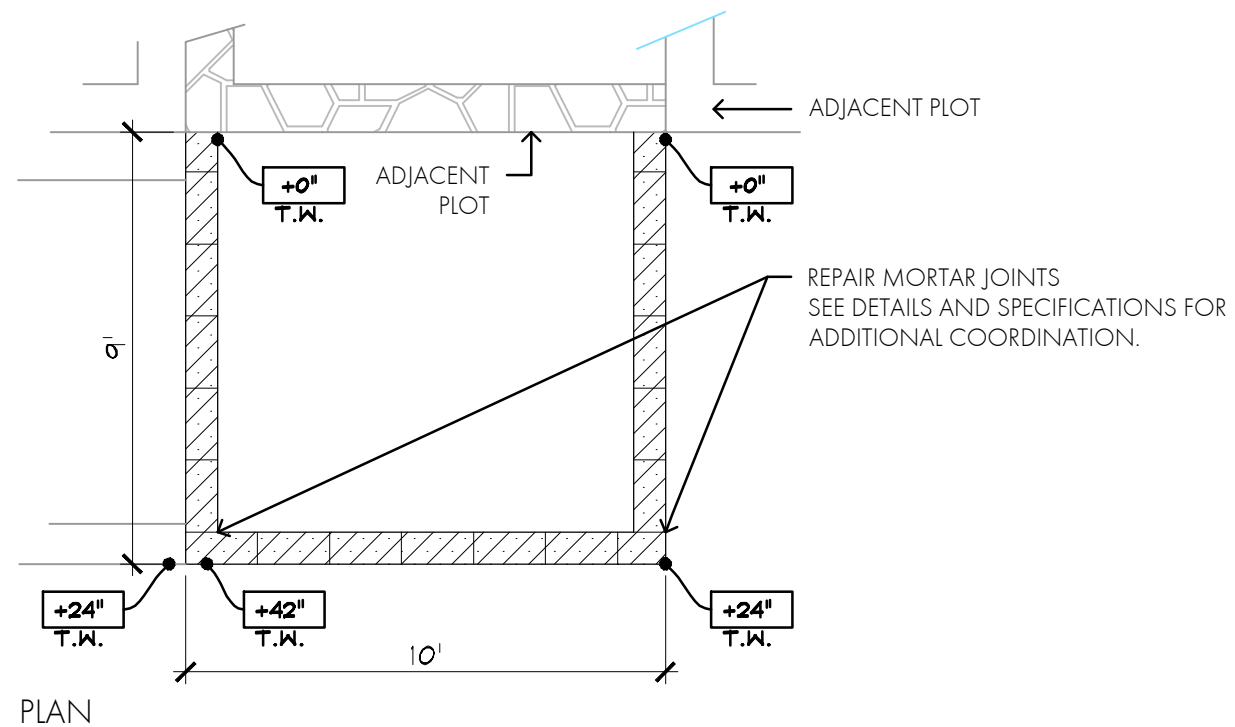
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WEST ELEVATION



PLAN

SECTION 1, PLOT 21 - M.R.

SCALE: 1/4" = 1'-0"



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SEC1 PLOT 21 -
M.R.

SHEET:

L-7

ALT NO. 2

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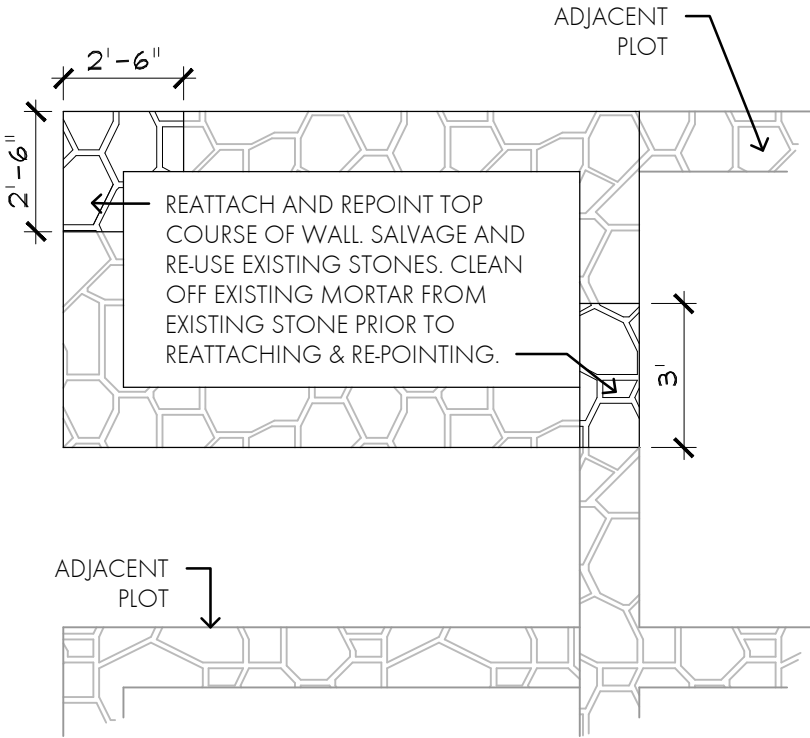
VIEW FROM SOUTHEAST

REATTACH CAP STONES AND REPOINT MORTAR JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



WEST ELEVATION

REATTACH CAP STONES AND REPOINT MORTAR JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



PLAN

SECTION 1, PLOT 68 - MARTHA 'CALAMITY' JANE BURKE

SCALE: 1/4" = 1'-0"



EAST ELEVATION

REATTACH CAP STONES AND REPOINT MORTAR JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



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DEADWOOD, SD
SEC 1 PLOT 68
BURKE PLOT

SHEET:
L-8

Diagram illustrating a stone wall repair project. The wall is shown in cross-section, with dimensions and labels indicating the extent of the work.

Dimensions and Labels:

- ADJACENT PLOT:** Indicated by an arrow pointing to the left of the wall.
- +12" T.W.:** Two labels indicating the top width of the wall at the base.
- +8" T.W.:** Label indicating the top width of the wall at the right end.
- +0" T.W.:** Label indicating the top width of the wall at the right end.
- 10':** Dimension indicating the length of the wall.
- 2':** Dimension indicating the height of the wall.

Instructions:

REMOVE AND RE-STACK STONE WALL. RE-USE EXISTING STONE AND SUPPLEMENT WITH ADDITIONAL STONE AS NECESSARY. BACK MORTAR STONE COURSES AND MORTAR TOP COURSE. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL COORDINATION.

SECTION 1, PLOT 422 - PORTER

SCALE: 1/4" = 1'-0"



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DEADWOOD, SD

SEC 1 PLOT 422
PORTER PLOT

SHEET:

L-9

ALT NO. 3

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SOUTHWEST CORNER DETAILED VIEW

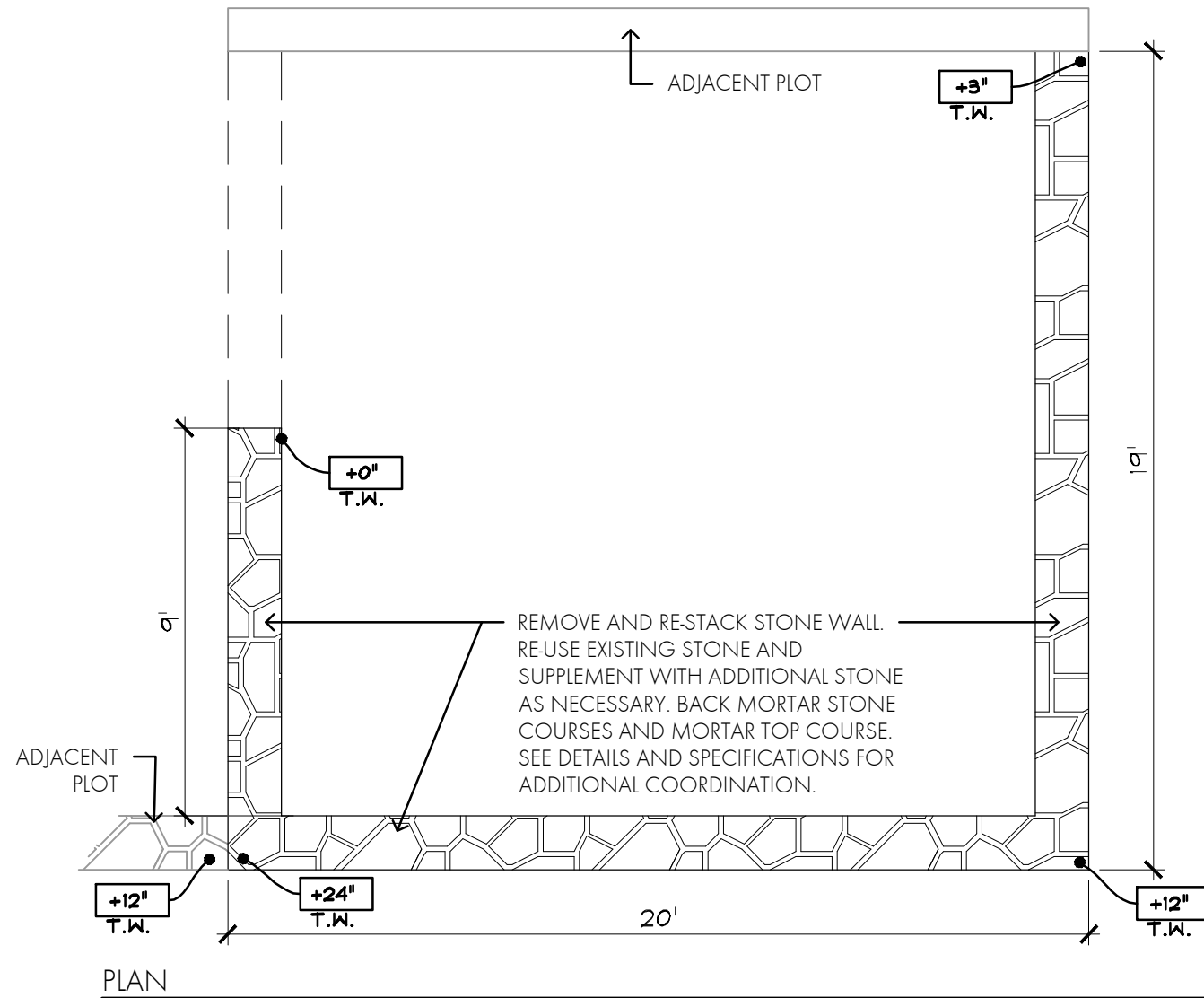
REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.

PROTECT MARKER TO REMAIN FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES.



VIEW FROM SOUTHWEST

REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.



SECTION 2, PLOT 0 - BURNS

SCALE: 1/4" = 1'-0"



SOUTH ELEVATION

REPOINT EXISTING FAILED MORTAR JOINTS ALONG ENTIRE CAP.

REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.



EAST ELEVATION

REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.



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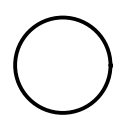
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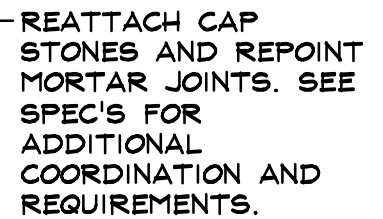
SEC 2 PLOT 0
BURNS PLOT

SHEET: **L-10**

PRINT DATE: 4/10/2022



SCALE: 1/4" = 1'-0"



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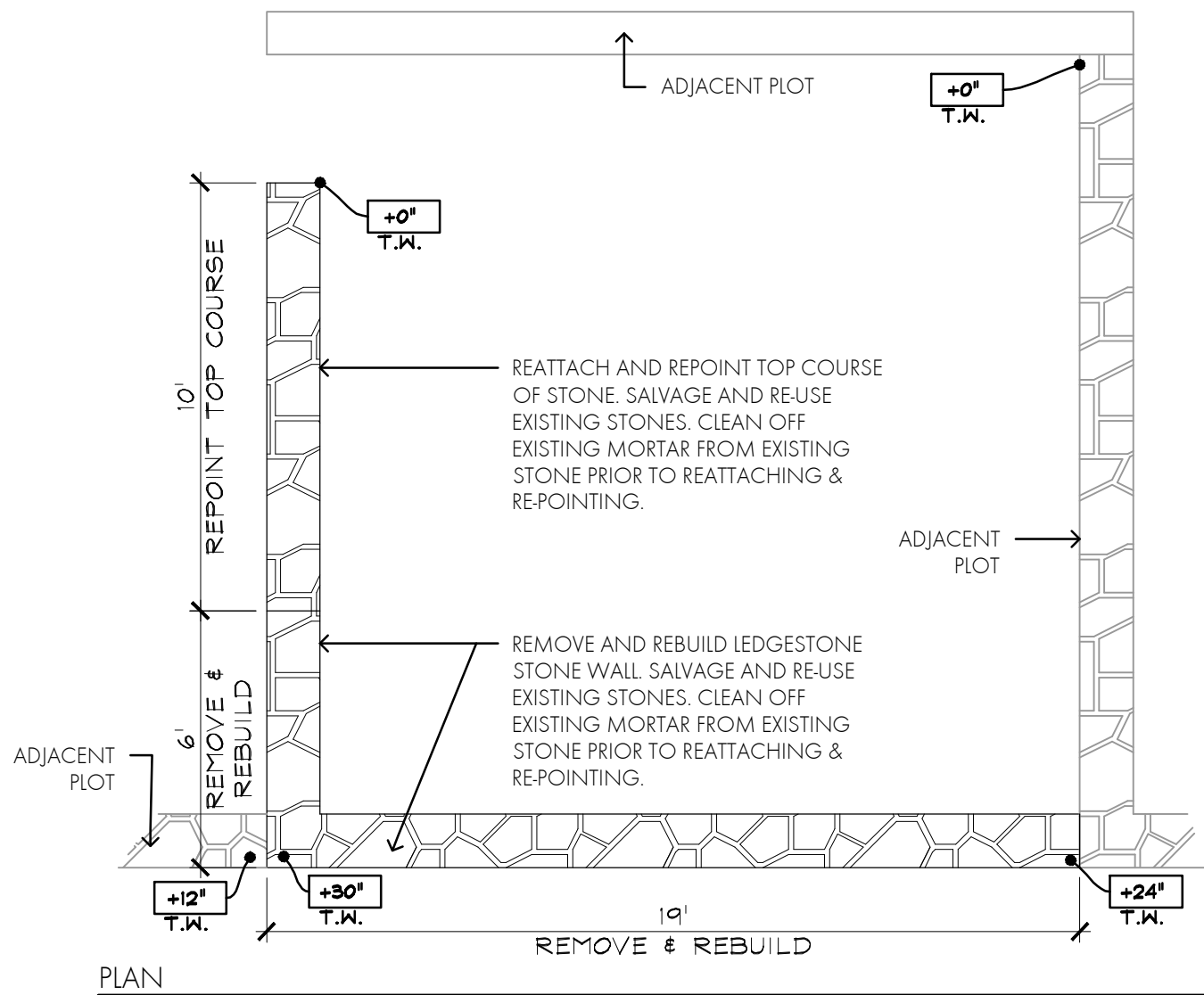
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SEC 2 PLOT 1
BAKER PLOT

SHEET: **L-11**

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SECTION 2, PLOT 2 - PHELPS

SCALE: 1/4" = 1'-0"



FRONT ELEVATION

REMOVE AND REBUILD STONE WALL I.A.W. DETAIL 1/L38. BACK MORTAR STONE JOINTS. MORTAR TOP CAP STONES WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR COORDINATION AND ADDITIONAL REQUIREMENTS.



LEFT ELEVATION

REPOINT TOP COURSE OF STONE

REMOVE AND REBUILD STONE WALL I.A.W. DETAIL 1/L38. BACK MORTAR STONE JOINTS. MORTAR TOP CAP STONES WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR COORDINATION AND ADDITIONAL REQUIREMENTS.



VIEW FROM SOUTHEAST

COORDINATE JOINTS WITH ADJACENT PLOT WALLS.



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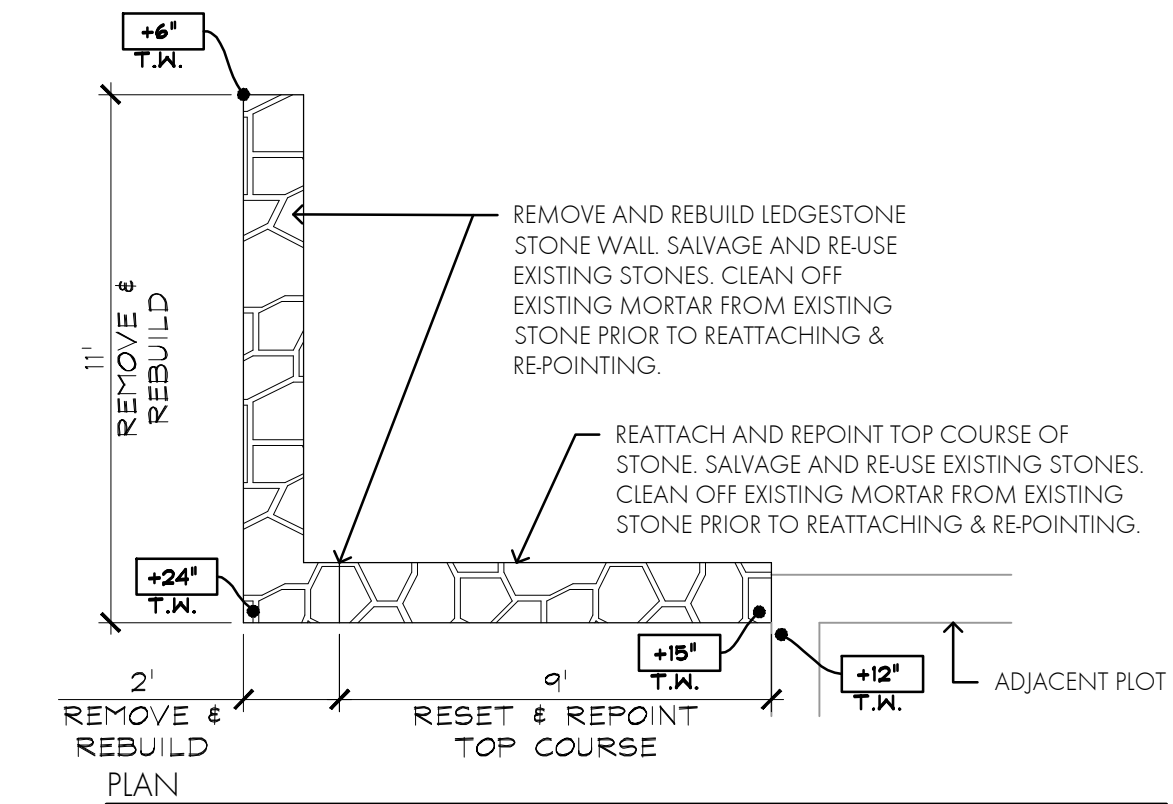
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SEC 2 PLOT 2
PHELPS PLOT

SHEET: **L-12**

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SECTION 2, PLOT 12 - POLLOCK SCALE: 1/4" = 1'-0"



WEST ELEVATION

REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.

PROTECT EXISTING MONUMENTS TO REMAIN FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES.



SOUTH ELEVATION

REPAIR FALLEN STONE WALL. REMOVE/RESTACK STONE WITH BACK-MORTARED JOINTS. MORTAR TOP CAP, ENTIRE LENGTH OF WALL.



VIEW FROM NORTHEAST

PROTECT EXISTING MONUMENTS TO REMAIN FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES.

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Landscape Architecture for the American West

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DEADWOOD, SD

SEC 2 PLOT 2 POLLUCK PLOT

SHEET: **L-13**

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MITCHELL MONUMENT

WEST ELEVATION

SOUTH ELEVATION

—REPOINT SEPARATED
MORTAR JOINTS

—REPOINT SEPARATED
MORTAR JOINTS

ALT NO. 4



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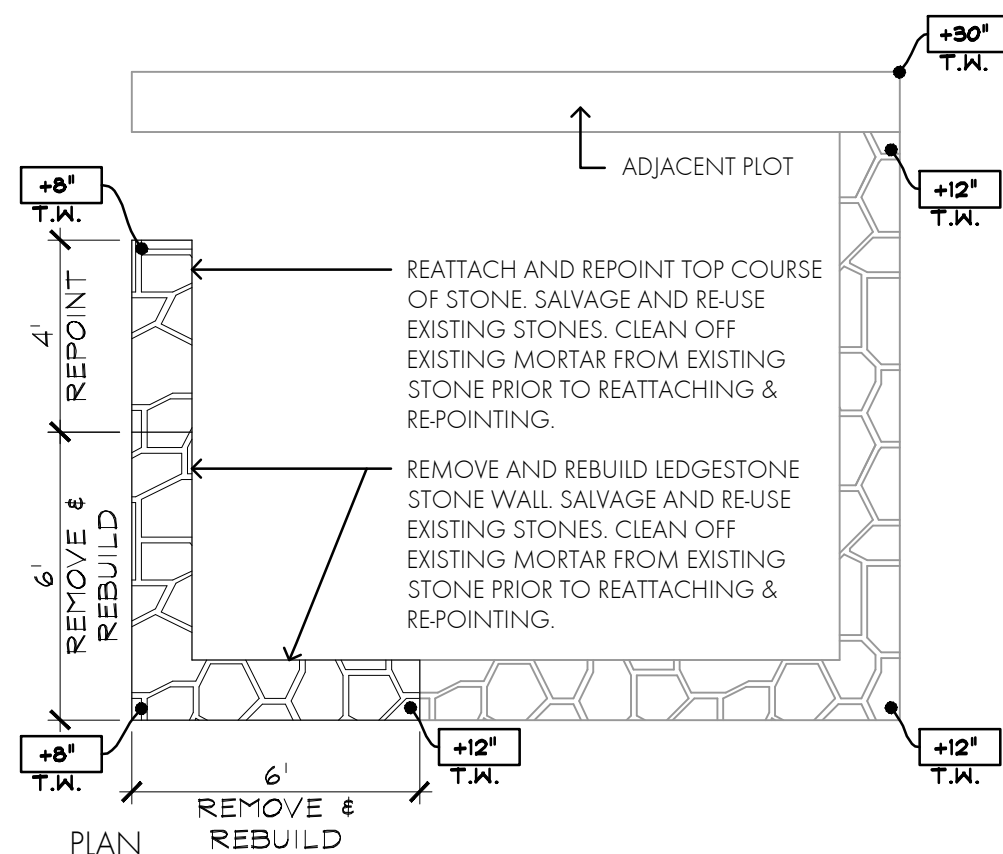
DEADWOOD, SD

SEC 2 PLOT 44
MITCHELL PLOT

L-14

SHEET:

PRINT DATE: 4 10 2022



SECTION 2, PLOT 45 - AYRES

SCALE: 1/4" = 1'-0"



— REPAIR SECTION OF
STONE WALL.
REMOVE/RESTACK STONE
WITH BACK-MORTARED
JOINTS. REPOINT TOP
CAP, AS SHOWN ON PLOT
PLAN.

— REPOINT EXISTING
MORTAR JOINTS IN AREA
AS SHOWN ON PLOT
PLAN.

— REPAIR SECTION OF
STONE WALL.
REMOVE/RESTACK STONE
WITH BACK-MORTARED
JOINTS. MORTAR TOP
CAP.



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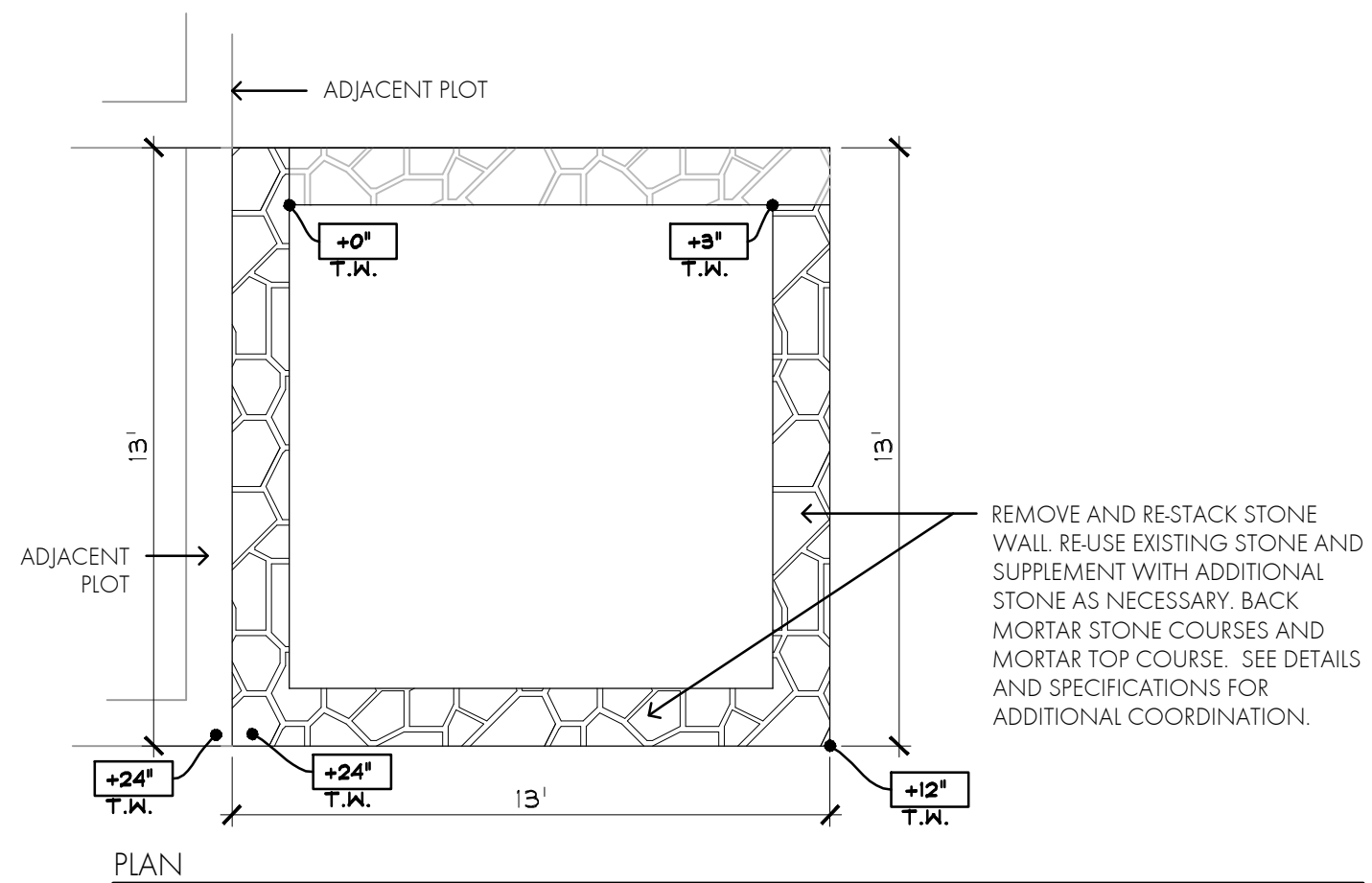
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SEC 2 PLOT 45
AYRES PLOT

SHEET:
L-15

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SECTION 2, PLOT 49 - E.E.B. (FOOTSTONE)

SCALE: 1/4" = 1'-0"



— REBUILD STONE
WALL ALONG EAST
SIDE OF PLOT.
MORTAR TOP
COURSE OF STONE.



— REATTACH LOOSE
CAP STONES AND
REPOINT JOINTS
ALONG TOP COURSE
ON WEST WALL.

—REBUILD STONE
WALL ALONG SOUTH
SIDE OF PLOT.
MORTAR TOP
COURSE OF STONE.



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SEC 2 PLOT 49
E.E.B. PLOT

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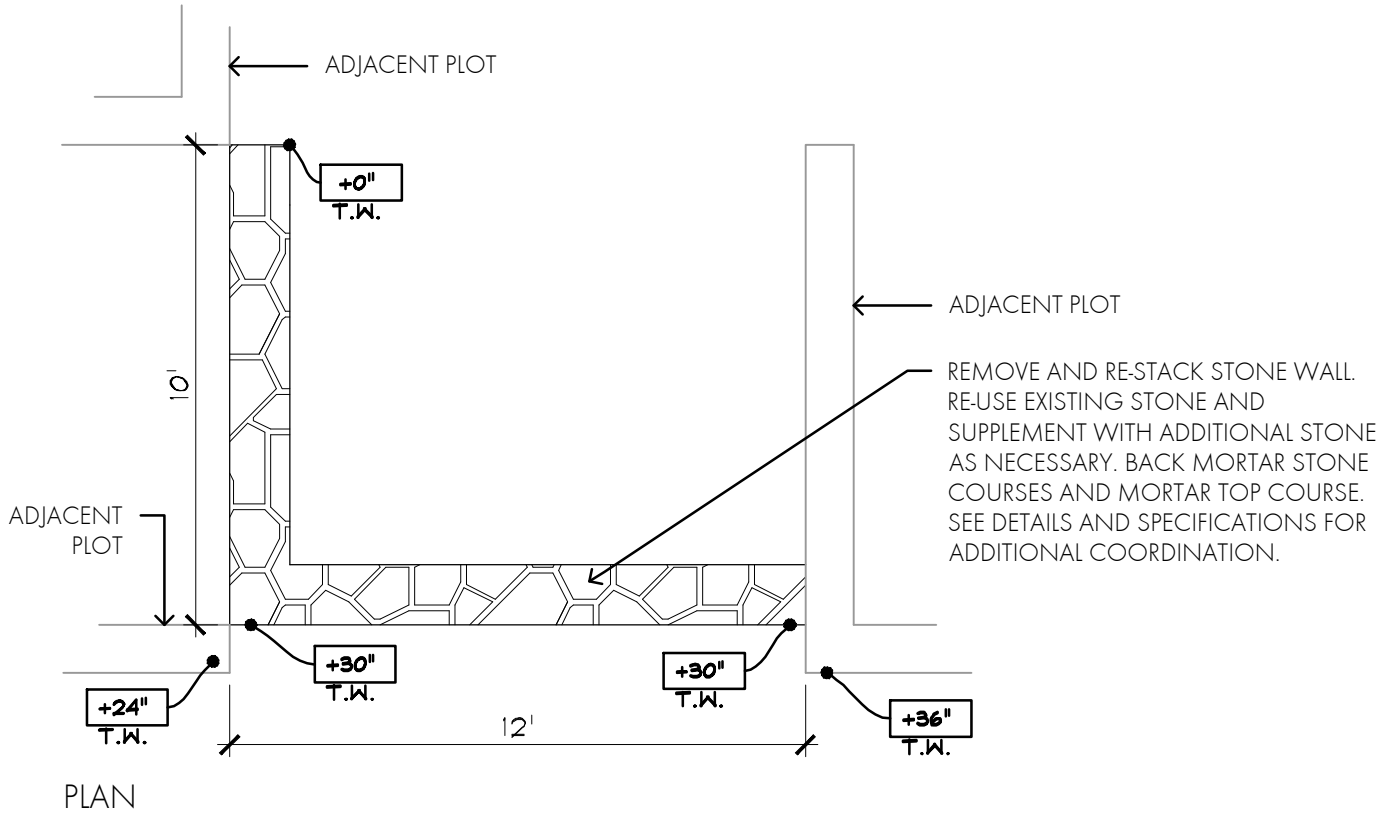
SOUTH ELEVATION

REMOVE AND REBUILD
STONE WALL I.A.W. DETAIL
1/L38. BACK MORTAR ALL
JOINTS AND MORTAR TOP
CAP. SEE SPECIFICATIONS
FOR ADDITIONAL
COORDINATION AND
REQUIREMENTS.



VIEW FROM SOUTHEAST

REMOVE AND REBUILD
STONE WALL I.A.W. DETAL
1/L38. BACK MORTAR ALL
JOINTS AND MORTAR TOP
CAP. SEE SPECIFICATIONS
FOR ADDITIONAL
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PLAN

SECTION 2, PLOT 57 - ROGERS

SCALE: 1/4" = 1'-0"



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DEADWOOD, SD

SEC 2 PLOT 57
ROGERS PLOT

SHEET: L-17

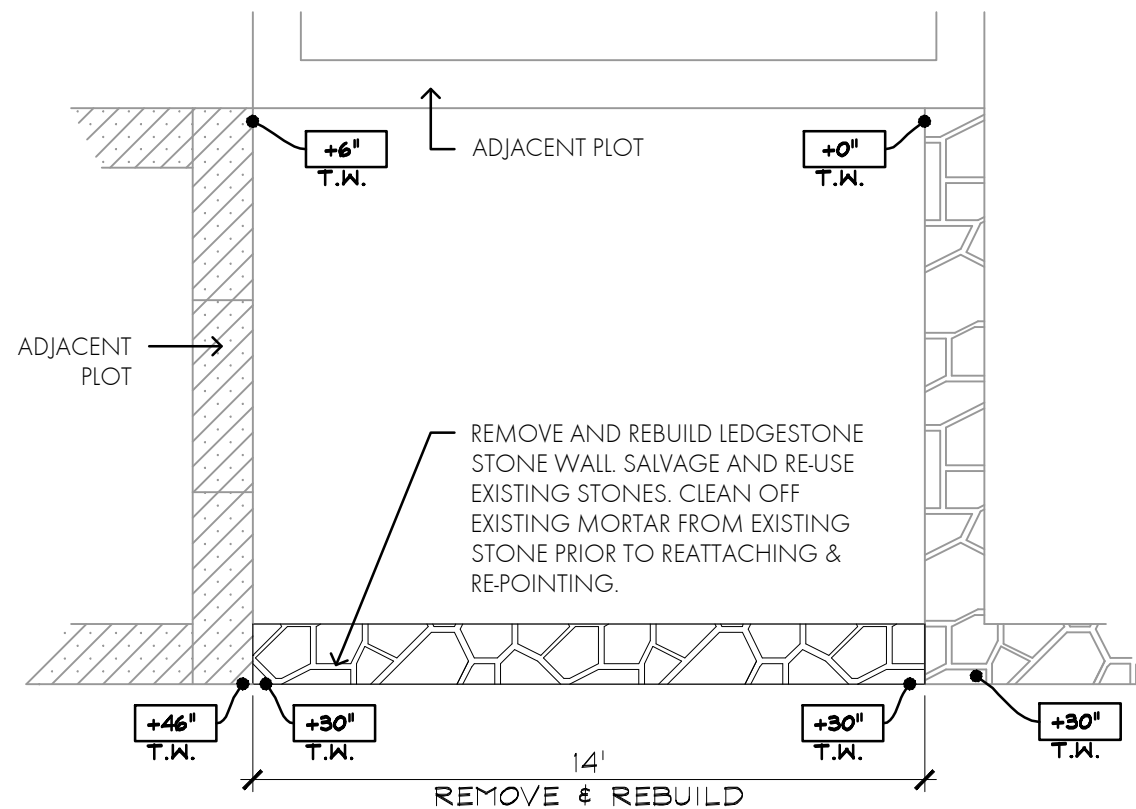
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SOUTH ELEVATION



VIEW FROM EAST



PLAN

SECTION 2, PLOT 75 - SCHUMBERT

SCALE: 1/4" = 1'-0"



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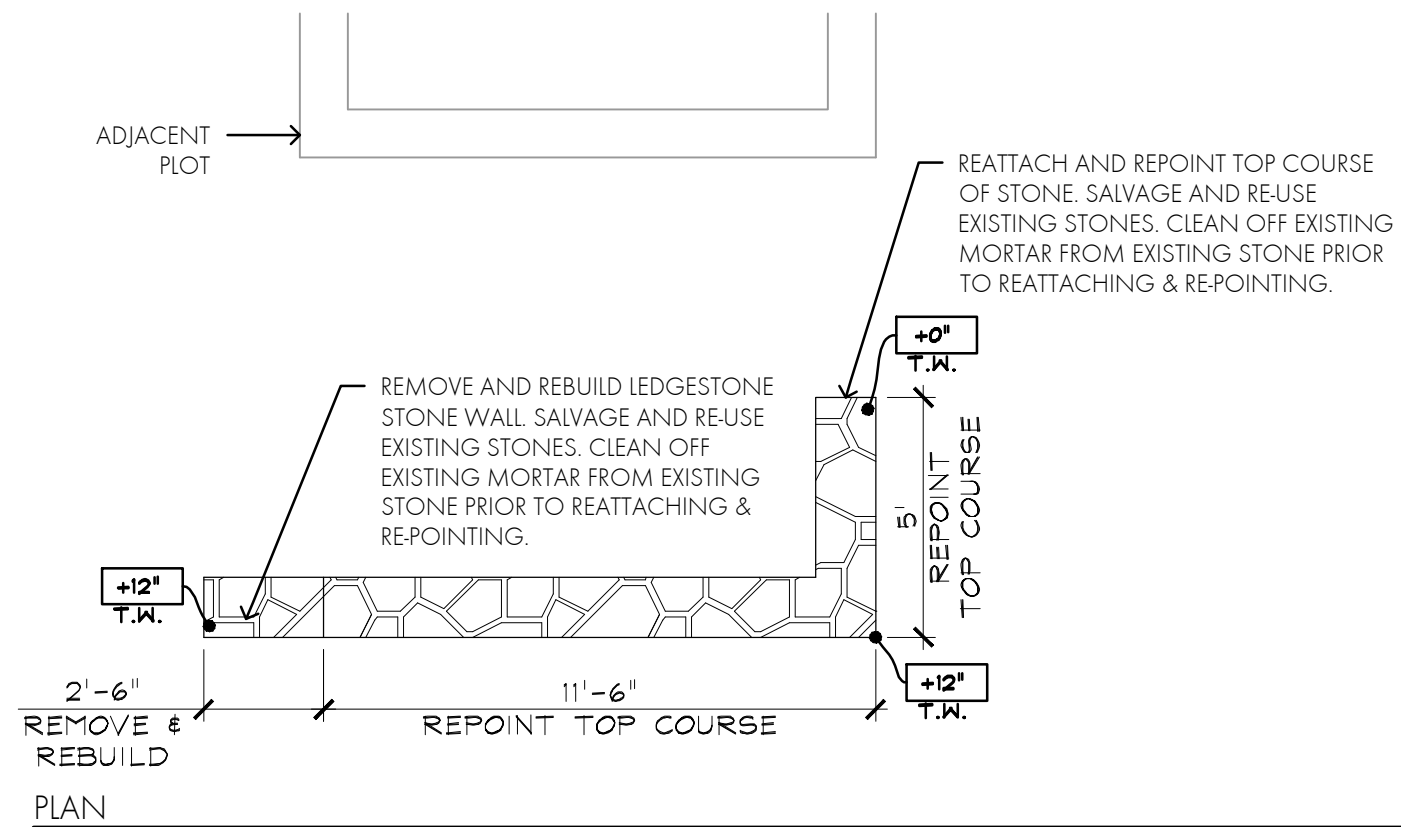
DEADWOOD, SD

SEC 2 PLOT 75
SCHUMBERT PLOT

SHEET: **L-19**

SHEET:

C
C
C
C
C
F
F
F
F



SECTION 2, PLOT 81 - UNMARKED

SCALE: 1/4" = 1'-0"



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SEC 2 PLOT 81
UNMARKED

SHEET: **L-20**

SHEET:

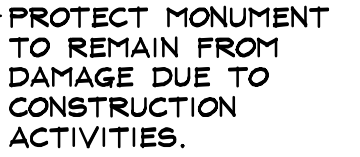
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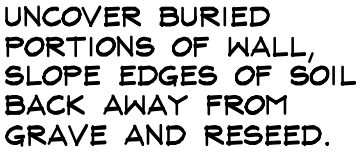
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SEC 2 PLOT 151
CLARK PLOT

L-21

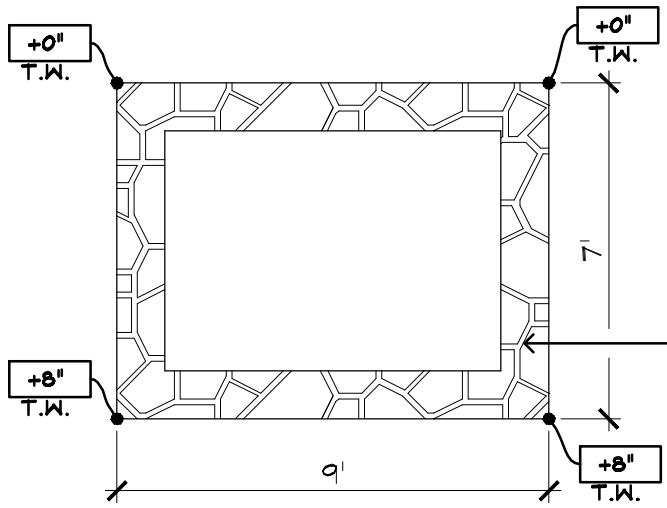


REMOVE AND REBUILD
STONE WALL. BACK
MORTAR JOINTS AND
MORTAR TOP COURSE
WITH SMOOTH, FLUSH
JOINTS. SEE SPEC'S
FOR ADDITIONAL
COORDINATION AND
REQUIREMENTS.

LEFT ELEVATION



FRONT ELEVATION



REMOVE AND REBUILD LEDGESTONE
STONE WALL. SALVAGE AND RE-USE
EXISTING STONES. CLEAN OFF
EXISTING MORTAR FROM EXISTING
STONE PRIOR TO REATTACHING &
RE-POINTING.

PLAN

SECTION 2, PLOT 151 - CLARK

SCALE: 1/4" = 1'-0"



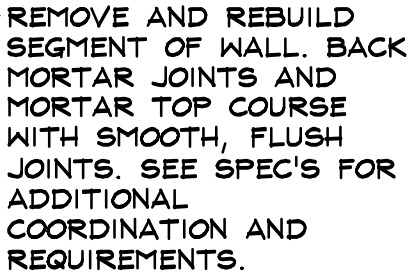
REVISIONS:	
DATE:	BY:

RELEASE DATE:	04-20-2022
PROJECT CONTACT:	MIKE BENDER
PROJECT NUMBER:	2020Q18

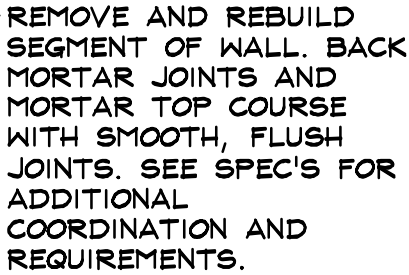
MT. MORIAH CEMETERY - 2022 IMPROVEMENTS

DEADWOOD, SD
SEC2 PLOT 152
FERRELL PLOT

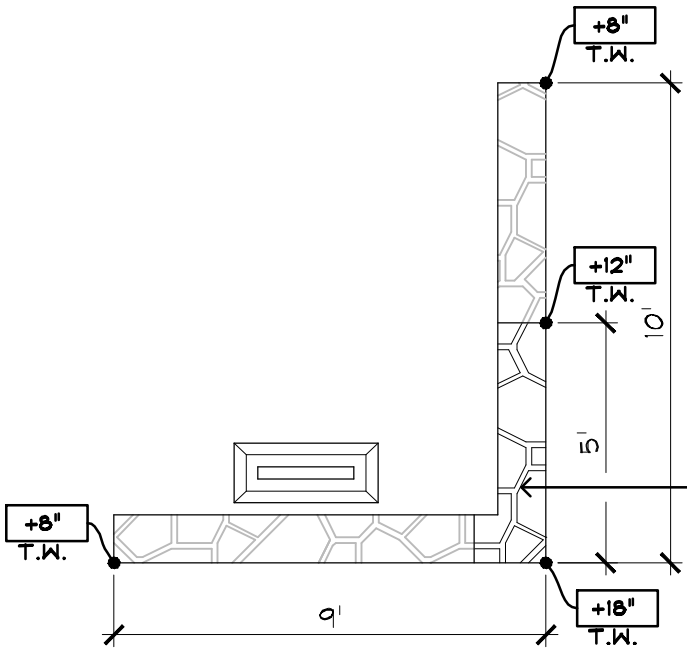
L-22



RIGHT ELEVATION



FRONT ELEVATION

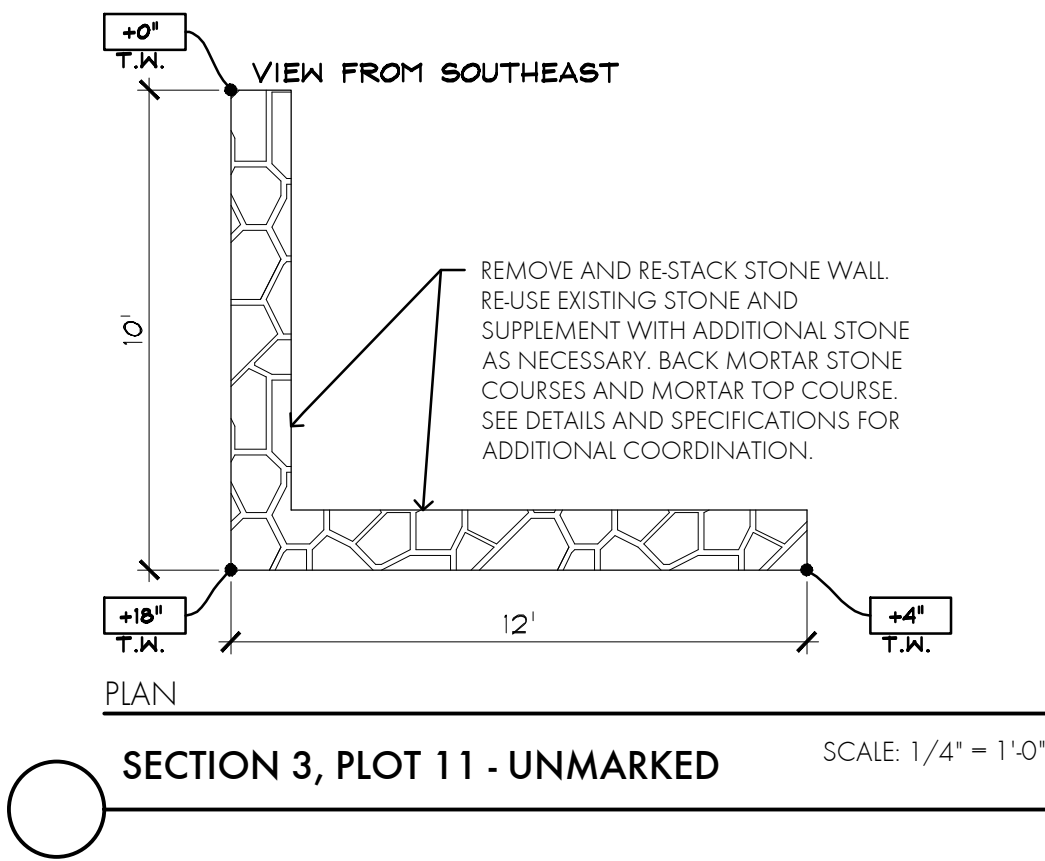


REMOVE AND REBUILD LEDGESTONE
STONE WALL. SALVAGE AND RE-USE
EXISTING STONES. CLEAN OFF
EXISTING MORTAR FROM EXISTING
STONE PRIOR TO REATTACHING &
RE-POINTING.

PLAN

SECTION 2, PLOT 152 - FARRELL

SCALE: 1/4" = 1'-0"



SOUTH ELEVATION

RESTACK FALLEN STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.




WEST ELEVATION

RESTACK FALLEN STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.

PROTECT EXISTING CORNER POST FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES.



VIEW FROM SOUTHEAST



TALLGRASS
Landscape Architecture for the American West

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PROJECT NUMBER:	2020-018

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DEADWOOD, SD

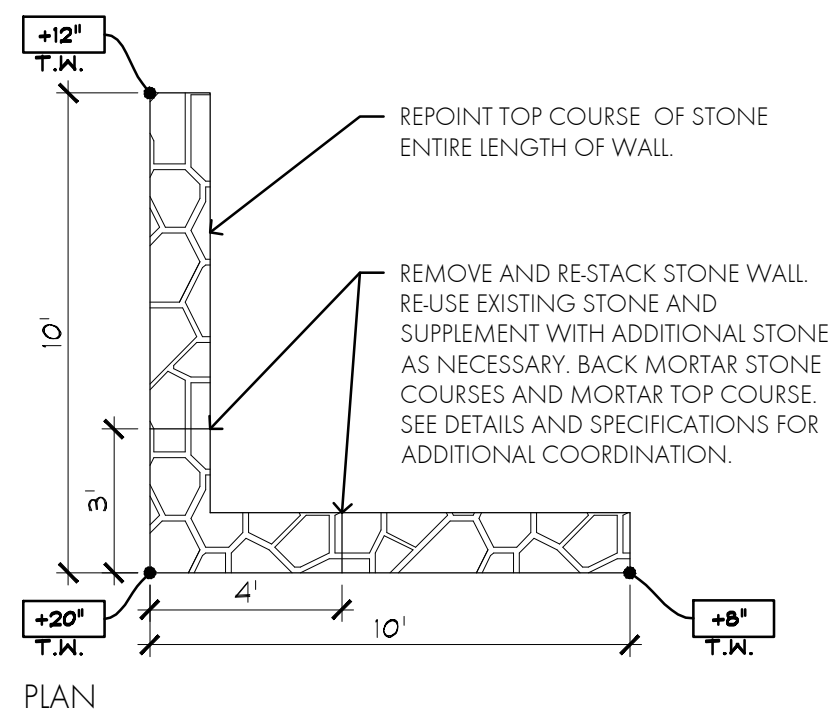
SEC 3 PLOT 11 UNMARKED

L-23

SH: 1

PRINT DATE: 4 TO 2022

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SECTION 3, PLOT 18 - UNMARKED

SCALE: 1/4" = 1'-0"



— REMOVE AND REBUILD STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP CAP STONES. SEE SPEC'S FOR COORDINATION AND ADDITIONAL REQUIREMENTS.



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PROJECT CONTACT:	MIKE BENDER
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PROJECT NUMBER:	2020-018
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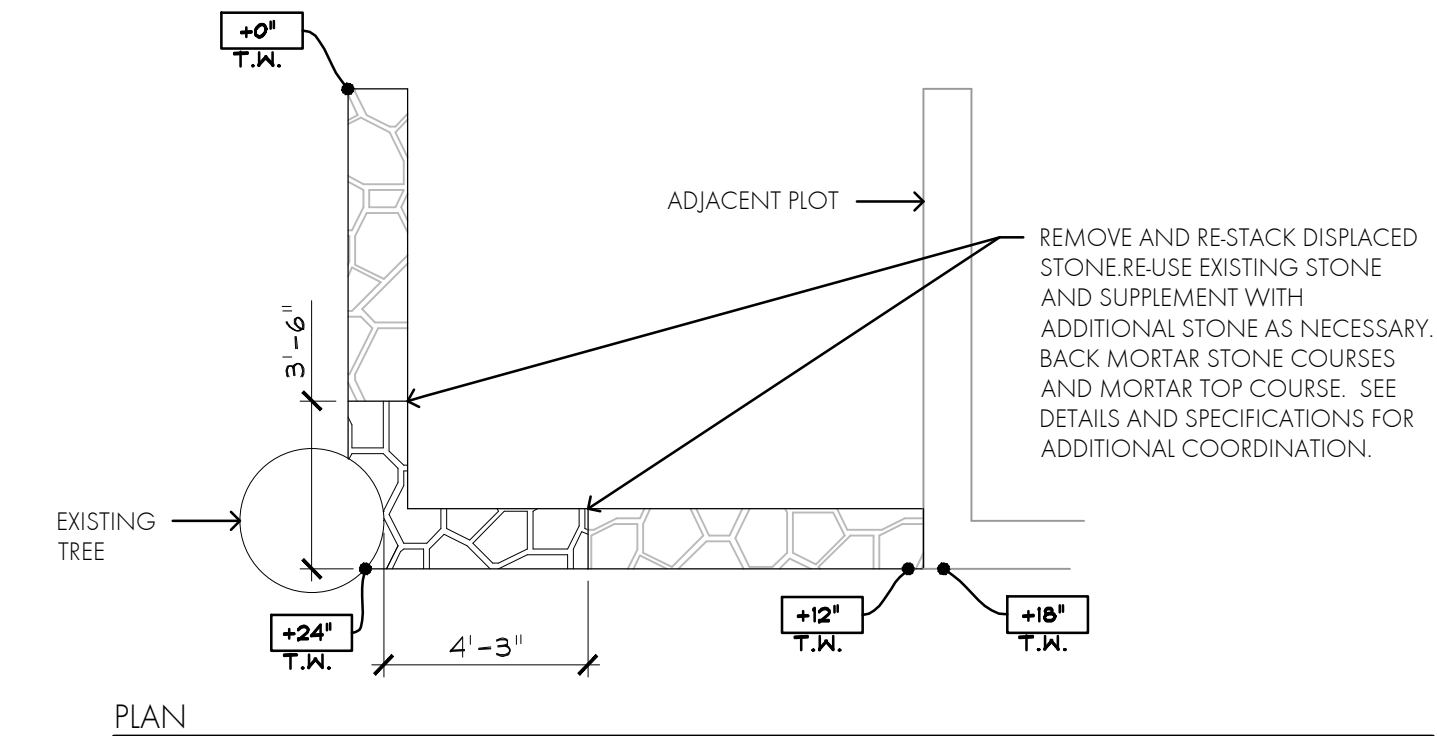
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DEADWOOD, SD

SEC 3 PLOT 18
UNMARKED

L-24

PRINT DATE: 4 10 2022



SECTION 3, PLOT 32 - UNMARKED

SCALE: 1/4" = 1'-0"



WEST ELEVATION

REMOVE AND REBUILD SEGMENT OF WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



VIEW FROM EAST



SOUTH ELEVATION

REMOVE AND REBUILD SEGMENT OF WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



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RELEASE DATE: 04-20-2022

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PROJECT NUMBER: 2020-018

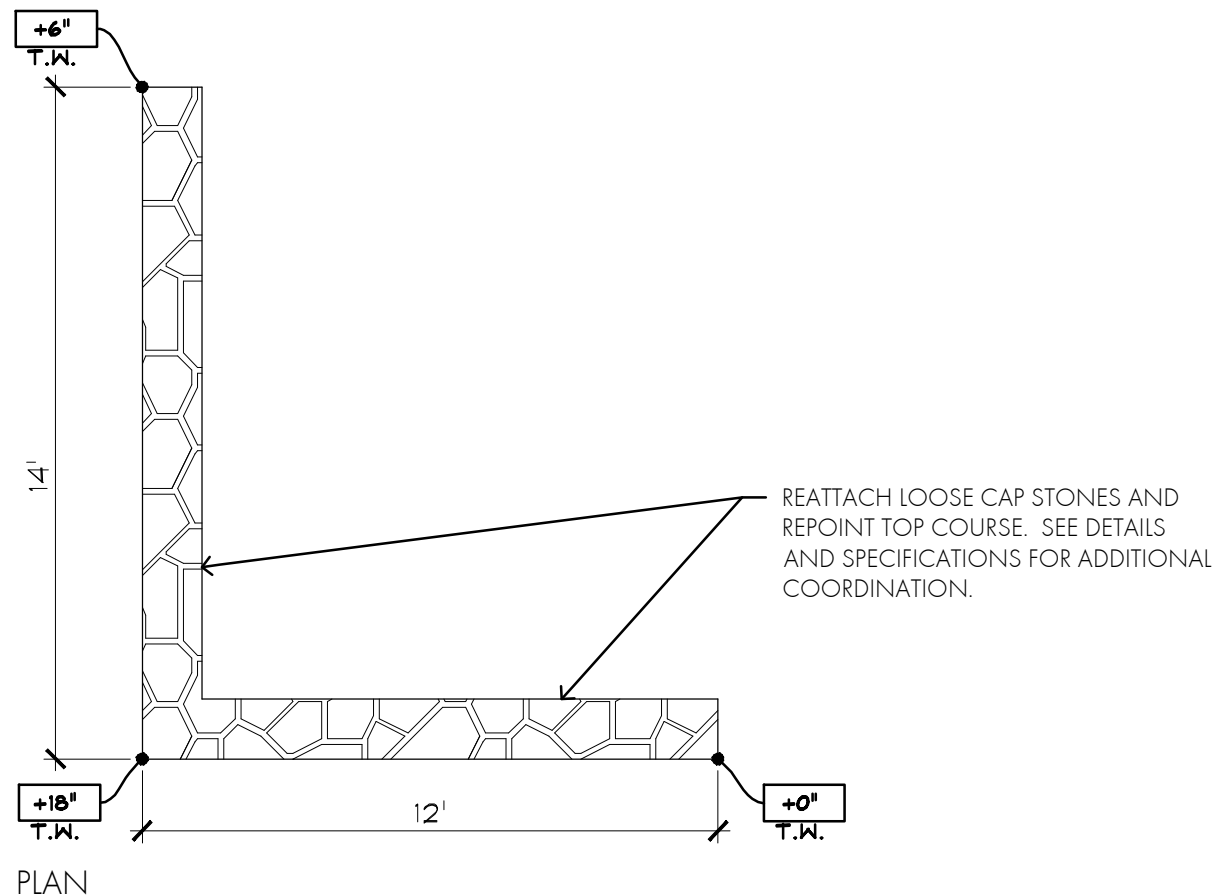
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DEADWOOD, SD

SEC 3 PLOT 32
UNMARKED

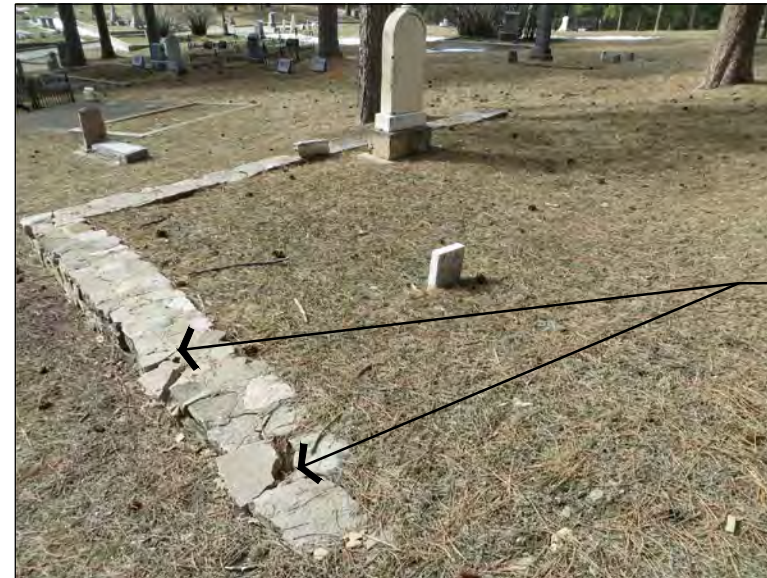
SHEET: **L-25**

PRINT DATE: 4/10/2022



SECTION 3, PLOT 38 - MUNDY/MICKLIN

SCALE: 1/4" = 1'-0"



VIEW FROM SOUTHEAST

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



WEST ELEVATION

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



SOUTH ELEVATION

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



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DEADWOOD, SD

SEC 3 PLOT 39
MUNDY PLOT

SHEET: **L-26**

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SOUTH ELEVATION

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SUPPLEMENT WITH ADDITIONAL STONE, AS NEEDED. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



WEST ELEVATION

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SUPPLEMENT WITH ADDITIONAL STONE, AS NEEDED. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



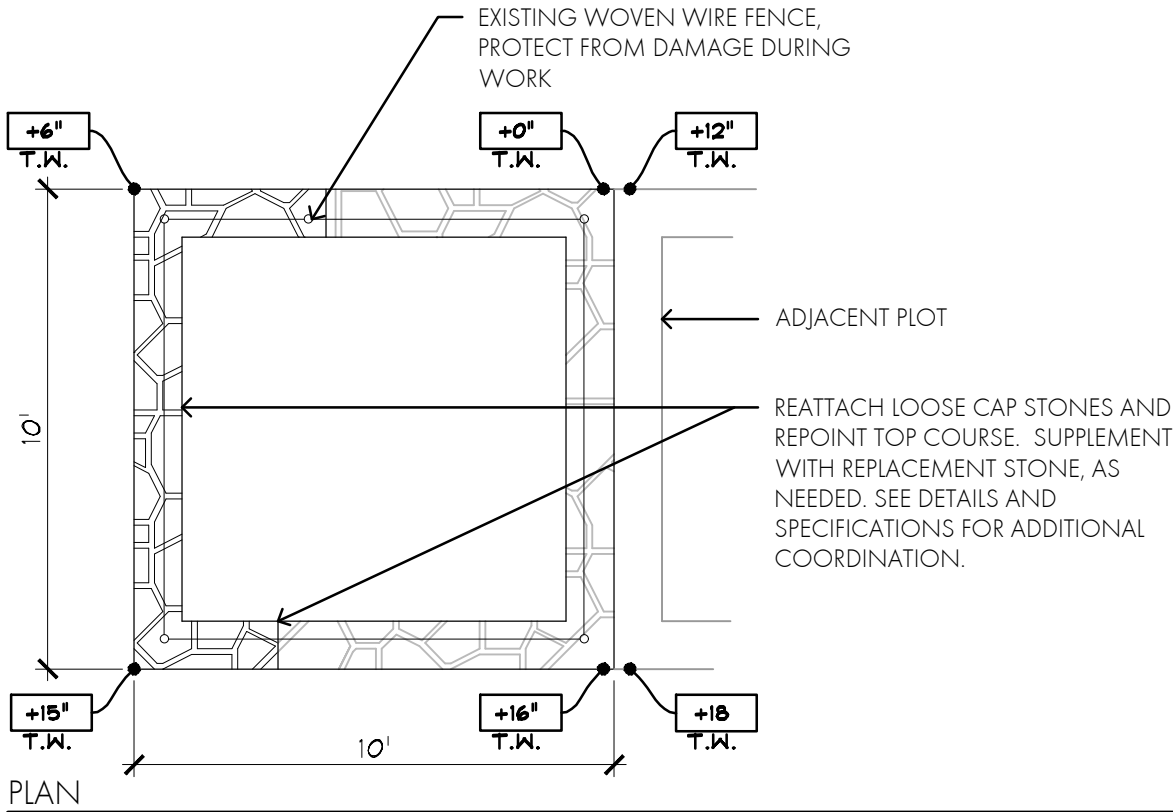
VIEW FROM NORTHWEST

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SUPPLEMENT WITH ADDITIONAL STONE, AS NEEDED. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



NORTH ELEVATION

RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SUPPLEMENT WITH ADDITIONAL STONE, AS NEEDED. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



SECTION 3, PLOT 79 - UREN

SCALE: 1/4" = 1'-0"



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2022 IMPROVEMENTS

DEADWOOD, SD

SEC 3 PLOT 79
UREN PLOT

L-27

SHEET:

PRINT DATE: 4 TO 2022



WEST ELEVATION

RESET AND REPOINT
FAILED JOINES
ALONG TOP COURSE
OF STONE WITH
SMOOTH, FLUSH
MORTAR JOINT. SEE
SPEC'S FOR
ADDITIONAL
COORDINATION AND
REQUIREMENTS.



SOUTH ELEVATION

RESET AND REPOINT
FAILED JOINES
ALONG TOP COURSE
OF STONE WITH
SMOOTH, FLUSH
MORTAR JOINT. SEE
SPEC'S FOR
ADDITIONAL
COORDINATION AND
REQUIREMENTS.

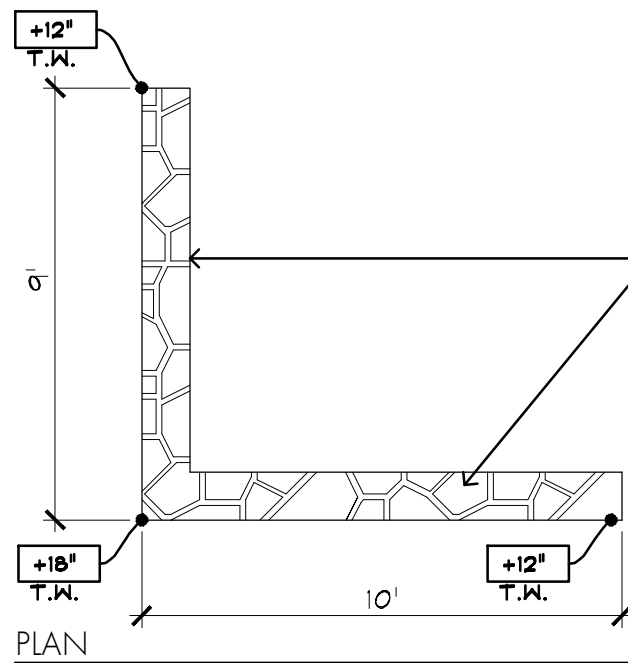


VIEW FROM EAST



VIEW FROM NORTH

RESET AND REPOINT
FAILED JOINES
ALONG TOP COURSE
OF STONE WITH
SMOOTH, FLUSH
MORTAR JOINT. SEE
SPEC'S FOR
ADDITIONAL
COORDINATION AND
REQUIREMENTS.



PLAN

REPOINT FAILED MORTAR JOINTS
ON TOP COURSE. SEE DETAILS
AND SPECIFICATIONS FOR
ADDITIONAL COORDINATION.

SECTION 3, PLOT 82 - ROGERS

SCALE: 1/4" = 1'-0"



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PROJECT NUMBER: 2020-018

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DEADWOOD, SD

SEC 3 PLOT 82
ROGERS PLOT

SHEET: **L-28**

ALT NO. 5

PRINT DATE: 4 TO 2022

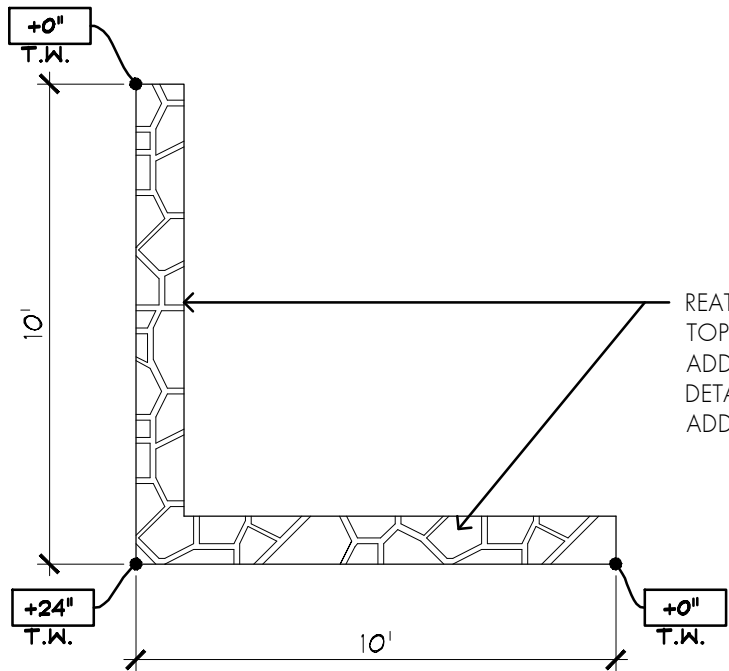


VIEW FROM SOUTHEAST

RESET AND REPOINT
TOP COURSE OF STONE
WITH SMOOTH, FLUSH
MORTAR JOINT. SEE
SPEC'S FOR ADDITIONAL
COORDINATION AND
REQUIREMENTS.



VIEW FROM SOUTHWEST



REATTACH AND REPOINT JOINTS ON
TOP COURSE. SUPPLEMENT WITH
ADDITIONAL STONE, AS NEEDED. SEE
DETAILS AND SPECIFICATIONS FOR
ADDITIONAL COORDINATION.

PLAN

SECTION 3, PLOT 108 - BROWN/GLEW

SCALE: 1/4" = 1'-0"



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DEADWOOD, SD

SEC 3 PLOT 108
BROWN & GLEW

SHEET: L-29

ALT NO. 6

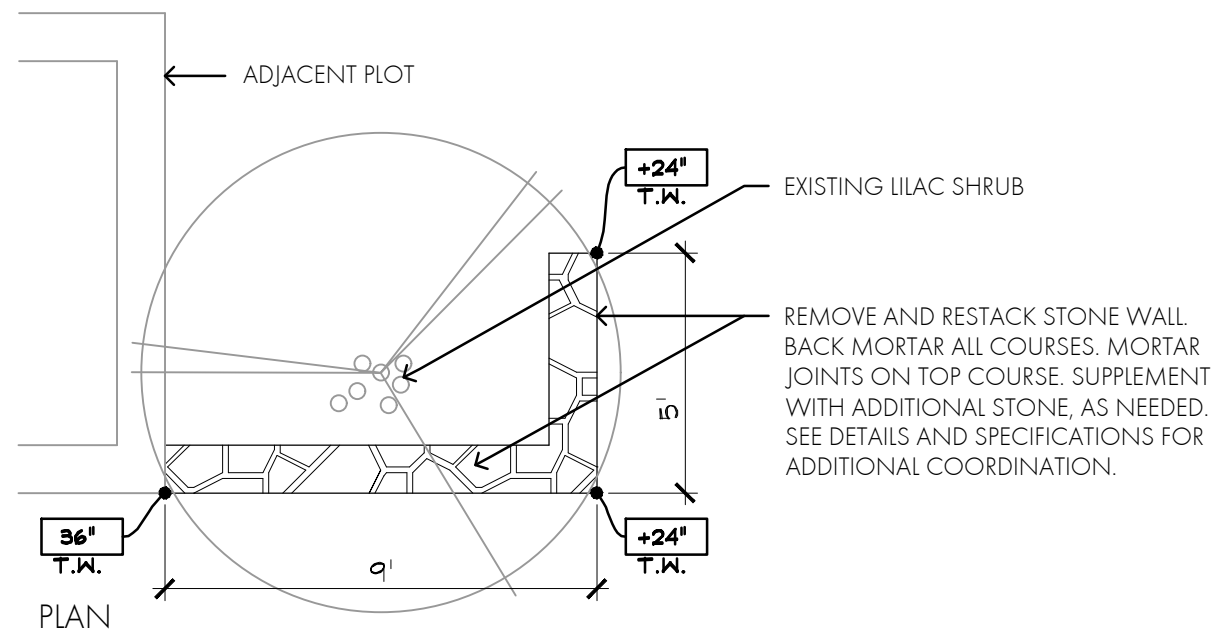
PRINT DATE: 4/10/2022



— REMOVE AND REBUILD STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



— REMOVE AND REBUILD STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



SECTION 3, PLOT 112 - UNMARKED

SCALE: 1/4" = 1'-0"



— REMOVE AND REBUILD STONE WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



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PROJECT NUMBER:	2020-018
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2022 IMPROVEMENTS

DEADWOOD, SD

SEC 3 PLOT 112
UNMARKED

SHEET: **L-30**

SHEET:

PRINT DATE: 10/20/22



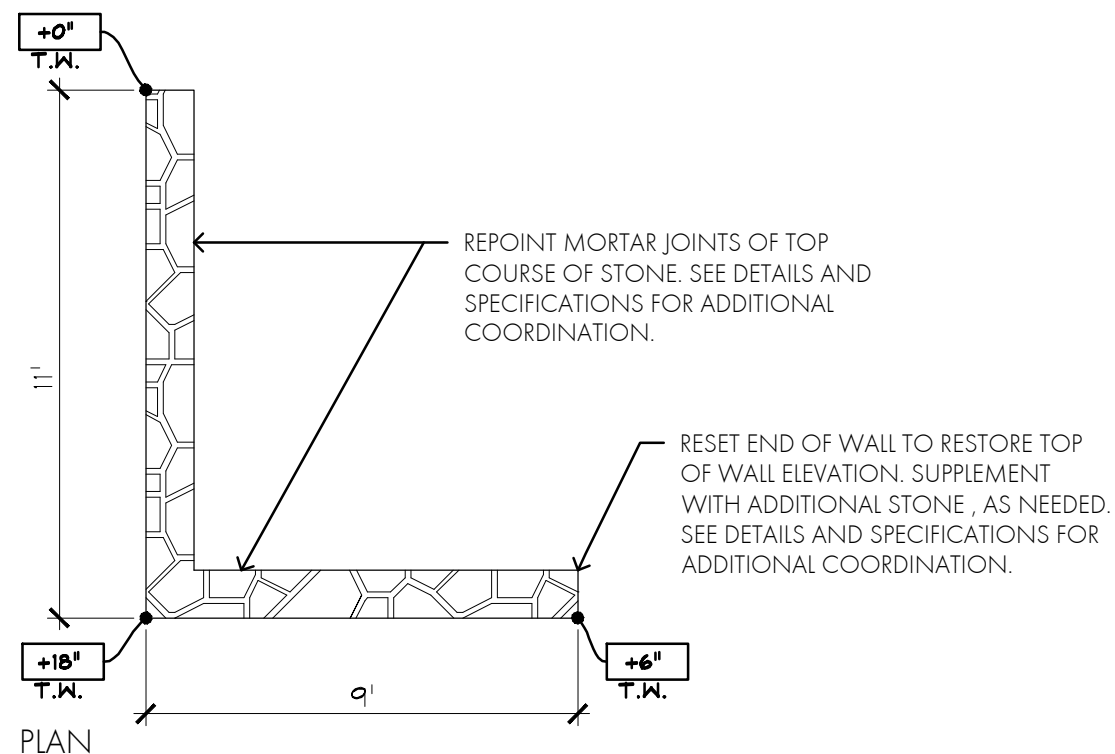
— RESET AND REPOINT TOP COURSE OF STONE WITH SMOOTH, FLUSH MORTAR JOINT. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



RESET FALLEN END OF WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



RESET FALLEN END OF WALL. BACK MORTAR JOINTS AND MORTAR TOP COURSE WITH SMOOTH, FLUSH JOINTS. SEE SPEC'S FOR ADDITIONAL COORDINATION AND REQUIREMENTS.



SECTION 3, PLOT 152 - FISH

SCALE: 1/4" = 1'-0"



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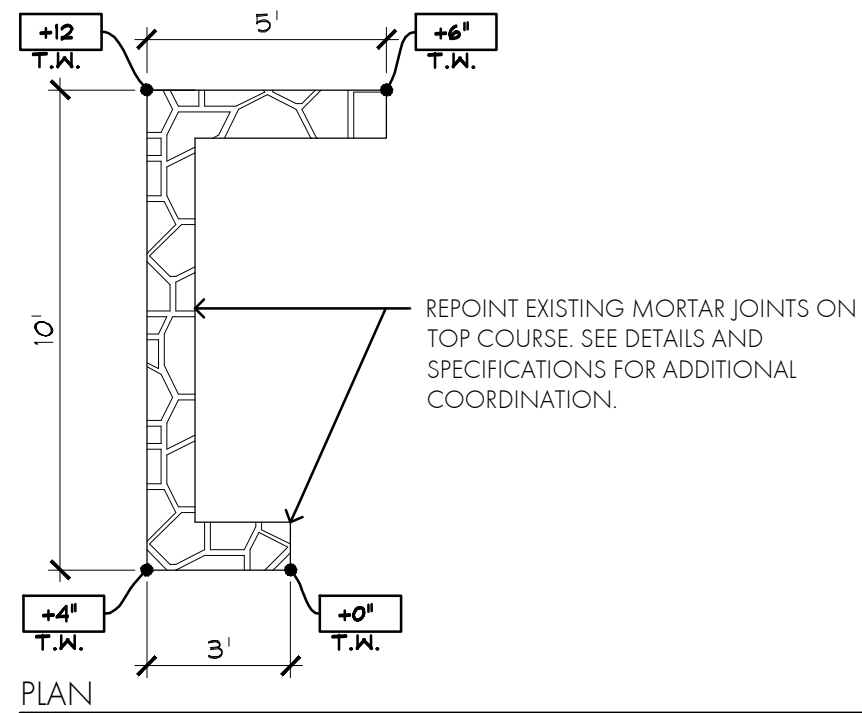
DEADWOOD, SD

SEC 3 PLOT 152
FISH PLOT

SHEET: **L-31**

ALT NO. 7

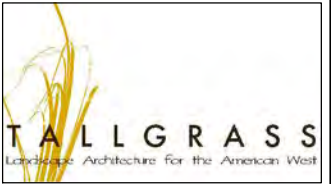
C
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SECTION 3, PLOT 155 - LINDENBOWER

SCALE: 1/4" = 1'-0"

ALT NO. 8



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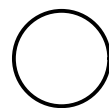
PROJECT NUMBER: 2020-018

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CEMETERY -
2022 IMPROVEMENTS**

DEADWOOD, SD

SEC 3 PLOT 155
LINDENBOWER

SHEET: **L-32**



PRINT DATE: 4 10 2022

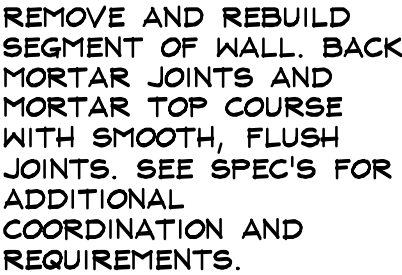
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DEADWOOD, SD

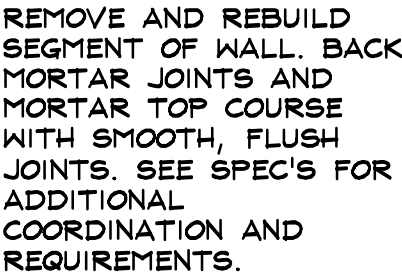
SEC 4 PLOT 221
JOHNSON PLOT

L-34

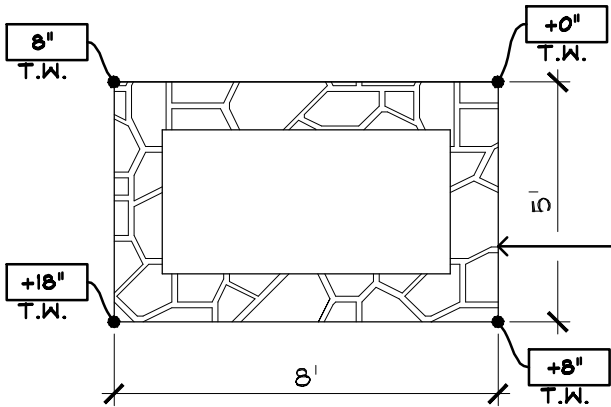


PROTECT EXISTING
MONUMENT TO REMAIN.

SOUTH ELEVATION



SOUTH ELEVATION



REMOVE AND REBUILD LEDGESTONE
STONE WALL. SALVAGE AND RE-USE
EXISTING STONES. CLEAN OFF
EXISTING MORTAR FROM EXISTING
STONE PRIOR TO REATTACHING &
RE-POINTING.

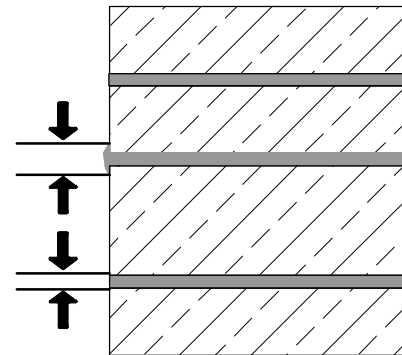
PLAN

SECTION 4, PLOT 221 - JOHNSON

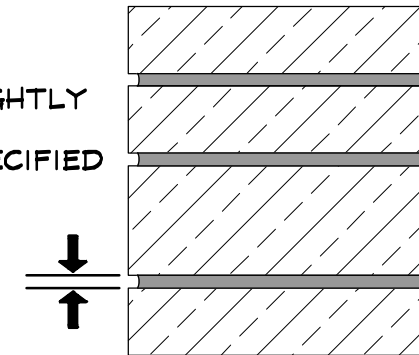
SCALE: 1/4" = 1'-0"

INCORRECT
JOINTS FILLED TOO FULL.

WIDE FEATHER EDGE
SUSCEPTIBLE TO
SPALLING. AVOID
PLACING MORTAR
ON FACE OF STONE



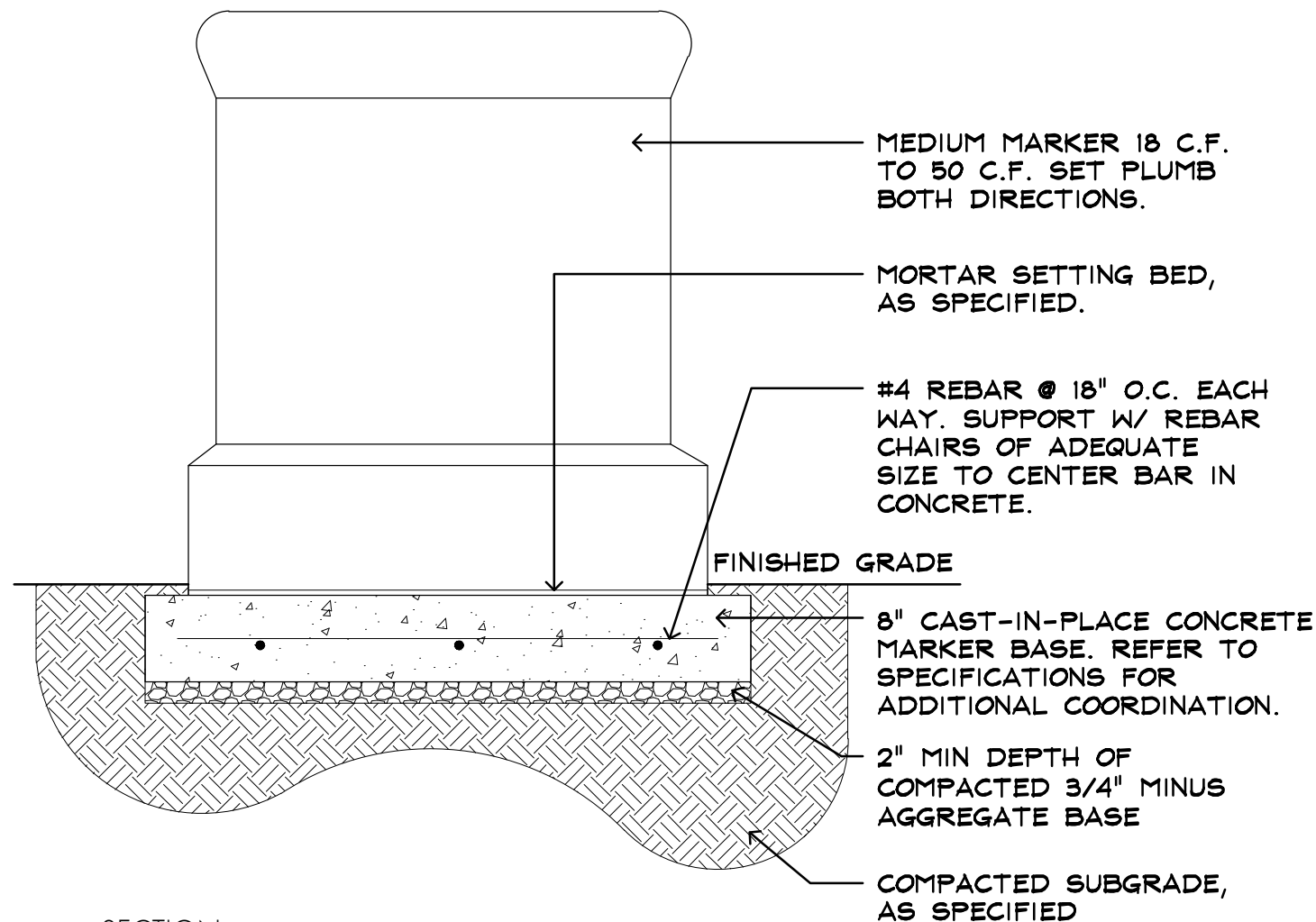
CORRECT
JOINTS SLIGHTLY
RECESSED,
UNLESS SPECIFIED
OTHERWISE.



2

REPOINTING MORTAR JOINTS

SCALE: 1"=1'



SECTION

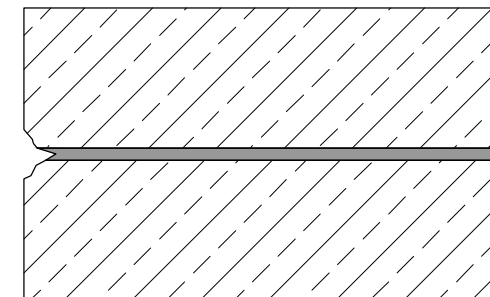
CONCRETE: MEDIUM MARKER SETTING

SCALE: 3/4"=1'

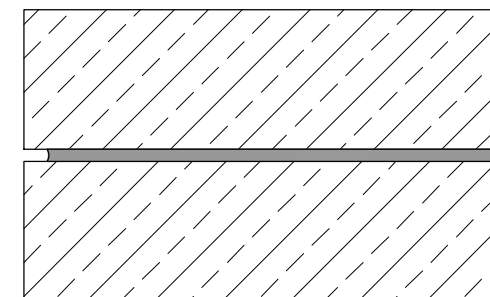
1

INCORRECT
MORTAR NOT CLEANED
OUT TO SUFFICIENT
UNIFORM DEPTH.

EDGES OF BRICK/STONE
DAMAGED BY TOOL OR
GRINDER, CREATES
WIDER JOINT. HAND
TOOLS SHOULD BE USED
ONLY UNLESS
PERFORMED BY A
SKILLED MASON.



CORRECT
MORTAR CLEANED
OUT TO A UNIFORM DEPTH OF
ABOUT 1" OR TO STABLE
MORTAR WHICHEVER IS
DEEPER.



ENSURE EDGES OF
STONE ARE UNDAMAGED
BY MORTAR REMOVAL
OPERATIONS.

3

MORTAR JOINT PREPARATION FOR REPOINTING

SCALE: 1"=1'



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RELEASE DATE: 04-20-2022

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PROJECT NUMBER: 2020-018

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DEADWOOD, SD

DETAILS 2

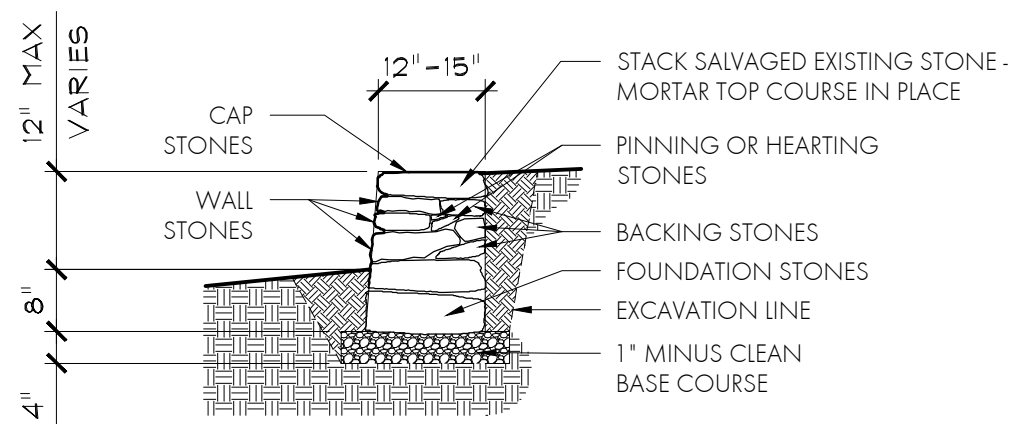
SHEET: L-36

PRINT DATE: 4 TO 2022

1. DRAIN TILE SHALL RUN FULL LENGTH OF NEW WALL SECTION. LATERALS SHALL EXTEND FROM THE 4" DRAIN TILE TO THE FACE OF THE WALL AT A MAXIMUM OF 8-FOOT INTERVALS, AND SHALL BE 2" DIA. SCH. 80 (GRAY) PVC PIPE. LATERAL DRAIN PIPE SHALL BE NEATLY TRIMMED AT THE FACE OF THE WALL. VERTICAL LOCATION OF ALL LATERAL DRAIN PIPES SHALL BE 4-INCHES ABOVE FINISHED GRADE. DRAIN TILE SHALL BE CORRUGATED HDPE PIPE (SLOTTED) COMPLYING WITH ASTM-405.
2. DRAIN TILE SHALL BE LAID AT NO LESS THAN 2% GRADE IN ALL CASES. LATERALS BETWEEN THE 4" DRAIN TILE AND THE FACE OF THE WALL SHALL BE SLOPED DOWN AT 2% TO FACE OF WALL.
3. SIX (6) INCHES OF $\frac{3}{4}$ "-1" CLEAN DRAIN ROCK SHALL BE INSTALLED AGAINST THE BACK FACE OF THE NEW WALL. DRAIN ROCK SHALL EXTEND FROM THE DRAIN TILE UP TO WITHIN 12-INCHES OF THE TOP OF THE WALL.
4. THE DRAIN TILE AND SURROUNDING DRAIN ROCK SHALL BE WRAPPED IN DRAINAGE FABRIC. DRAINAGE FABRIC SHALL BE MIRAFI 180N OR OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.

1. FOR LOOSE-STACKED STONE WALL, PLACE DRAINAGE FABRIC (MIRIFI 180N) DIRECTLY AGAINST THE BACK OF THE STONE WALL.
2. TO AVOID DAMAGE TO THE MATERIAL DURING BACKFILLING, FILL ALL HOLES BETWEEN STONES (EXPOSED ON THE BACK FACE OF WALL) WITH SMALLER STONES AND DRAIN ROCK. TO CREATE A BACK WALL FACE THAT IS AS EVEN AND SMOOTH AS POSSIBLE. THEN PLACE THE DRAINAGE FABRIC AGAINST THE BACK OF WALL AND BACKFILL.
3. PLACE DRAINAGE FABRIC FROM THE BASE OF THE STONE TO 6" INCHES BELOW THE TOP OF THE WALL.

1. SEE LAYOUT PLAN FOR LOCATION & NOTES.
2. SEE SPECIFICATION 044300 FOR ADDITIONAL COORDINATION.
3. ALL STONE TO MATCH CHARACTER AND TYPE. SIZES/SHAPES TO VARY AS REQUIRED.
4. LAY STONE TO PROVIDE 1:12 BATTER ON FACE OF WALL, TYPICAL.



1 STACKED STONE WALL - UP TO 12" HEIGHT

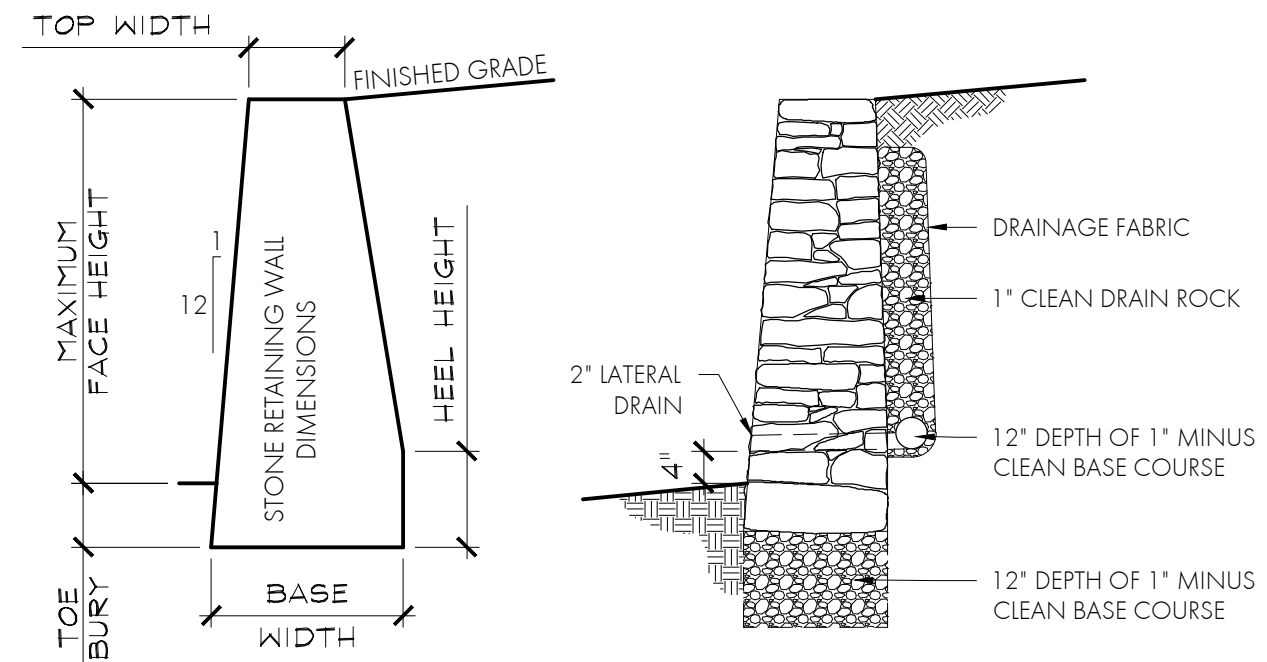
SCALE: 1/2" = 1'

1. THE BOTTOM OF THE EXCAVATION SHALL BE SCARIFIED TO A DEPTH OF 6-INCHES AND COMPACTED TO AT LEAST 92% OF MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN 3% OF OPTIMUM.
2. THE EXCAVATED SOILS MAY BE REUSED AS BACKFILL PROVIDED ALL ORGANIC MATTER, DEBRIS AND STONES OVER 6 INCHES IN ANY DIMENSION ARE REMOVED.
3. ANY UNSUITABLE SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. ANY SUCH UNSUITABLE MATERIALS SHALL NOT BE USED AS BACKFILL.

1. STONE AND MORTAR WALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ACCEPTED PRACTICES FOR STONE AND MORTAR CONSTRUCTION.
2. THE CONTRACTOR SHALL FURNISH ALL ADDITIONAL STONE NEEDED FOR CONSTRUCTION OF THE WALL. STONE MATERIAL SHALL BE FROM A SOURCE THAT THE CONTRACTOR SHALL HAVE APPROVED BY THE LANDSCAPE ARCHITECT. STONE FOR THE FACE OF THE WALL SHALL BE CONSISTENT IN SIZE, SHAPE AND TYPE WITH THE EXISTING STONE USED IN THE ORIGINAL WALL.

1. THE RETAINING WALL SHALL BE CONSTRUCTED WITH COURSING AND PATTERN AS SHOWN AND SPECIFIED IN THESE PLANS, REPLICATING THE DESIGN AND COURSING OF THE ORIGINAL WALL. THE CONTRACTOR SHALL ATTEMPT TO REPLICATE THE COMPOSITION AND COLOR OF THE ORIGINAL MORTAR, IF IT IS A MORTARED WALL. PORTLAND CEMENT MORTAR SHALL NOT BE USED. MORTAR MIX SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW.

DIMENSION I.D.	REQUIRED DIMENSIONS		
MAX FACE HT.	2'-0"	3'-0"	4'-0"
TOP WIDTH	1'-0"	1'-0"	1'-0"
BASE WIDTH	1'-0"	1'-3"	1'-6"
HEEL HT.	1'-0"	1'-0"	1'-0"
TOE BURY	0'-6"	0'-6"	0'-6"



2 STONE RETAINING WALL - 4'-0" MAXIMUM FACE HEIGHT

SCALE: 1/2" = 1'



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1. ALL COVER REQUIREMENTS FOR REBAR SHALL BE 3" UNLESS NOTED OTHERWISE.
2. ALL REINFORCEMENT SHALL BE BENT COLD.
3. THE BOTTOM OF THE EXCAVATION SHOULD BE SCARIFIED TO A DEPTH OF 12 INCHES AND COMPACTED TO AT LEAST 92% OF MAXIMUM DRY DENSITY AT MOISTURE CONTENT TO WITHIN 3% OF OPTIMUM.
4. THE EXCAVATED SOILS CAN BE REUSED AS BACKFILL PROVIDED ALL ORGANIC MATTER, DEBRIS AND STONES LARGER THAN 6 INCHES ARE REMOVED.

CONCRETE STRENGTH	3,000 PSI
REINFORCING STEEL	GRADE 60 REBAR DEFORMED

1. 4" DRAIN TILE SHALL RUN FULL LENGTH OF WALL. 2-INCH DIA. SOLID SCH. 80 PVC LATERALS SHALL EXTEND FROM DRAIN TILE TO FACE STONE VENEER. CONTRACTOR SHALL NEATLY TRIM PVC LATERALS FLUSH WITH STONE VENEER. BOTTOM OF LATERALS SHALL BE PLACED AT 4" ABOVE FINISHED GRADE.
2. MINIMUM SLOPE OF ALL DRAIN COMPONENTS SHALL BE 2%.
3. CLEAN ROCK DRAIN POCKET SHALL BE PLACED BEHIND THE NEW WALL AT WIDTH OF 6-INCHES . DRAIN POCKET SHALL BE $\frac{3}{4}$ " - 1" CLEAN DRAIN ROCK AND WRAPPED IN DRAINAGE FABRIC. EXTEND DRAIN POCKET TO WITHIN 12-INCHES OF FINISHED GRADE.
4. DRAINAGE FABRIC SHALL MIRIFI 180N OR OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.



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SCALE: 1/2" = 1'

1. STONES FOR FACING SHALL BE SALVAGED FROM EXISTING WALL TO BE REMOVED. CONTRACTOR SHALL PROVIDE ANY SUPPLEMENTAL STONE NEEDED FOR THE CONSTRUCTION OF THE WALL. STONE MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE LANDSCAPE ARCHITECT. STONE FOR THE FACE OF THE WALL SHALL BE CONSISTENT IN SIZE, SHAPE, TYPE AND COLOR WITH THE EXISTING STONE USED IN THE ORIGINAL WALL AND SURROUNDING WALLS.
2. THE STONE FACING SHALL BE PLACED WITH MORTAR, AS SPECIFIED. THE STONE SHALL BE BACK MORTARED AND RECESSED FROM THE FACE OF THE STONE SO THAT IT IS NOT VISIBLE AND GIVING THE APPEARANCE OF A DRY LAID STONE WALL.
3. MASONRY TIES SHALL BE GALVANIZED CORRUGATED , 18 GA. SUCH AS HOLMAN & BARNARD #CWT OR OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.
4. MASONRY TIES SHALL BE ATTACHED TO THE CONCRETE STEM WALL WITH "HILTI" GUN OR OTHER POSITIVE CONNECTION. THERE SHALL BE AT LEAST ONE METAL TIE FOR EACH 4.5 SF OF WALL AREA. TIES IN ALTERNATING COURSES SHALL BE STAGGERED WITH THE MAXIMUM VERTICAL DISTANCE BETWEEN TIES NOT TO EXCEED 24-INCHES AND MAXIMUM HORIZONTAL DISTANCE BETWEEN TIES NOT TO EXCEED 36-INCHES.

1. THE VERTICAL WALLS SHALL BE ALLOWED TO CURE UNTIL CONCRETE DESIGN STRENGTH HAS BEEN OBTAINED BEFORE ANY BACKFILL IS PLACED BEHIND THE WALL. CARE SHALL BE TAKEN NOT TO EXERT ANY LATERAL FORCE AGAINST THE WALLS PRIOR TO BACKFILL BEING COMPLETED.
2. ANY UNSUITABLE SOILS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. UNSUITABLE SOILS SHALL NOT BE USED FOR BACKFILL.

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PROJECT NUMBER: 2020-018

DEADWOOD, SD

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SHEET:

PRINT DATE: 10/20/22