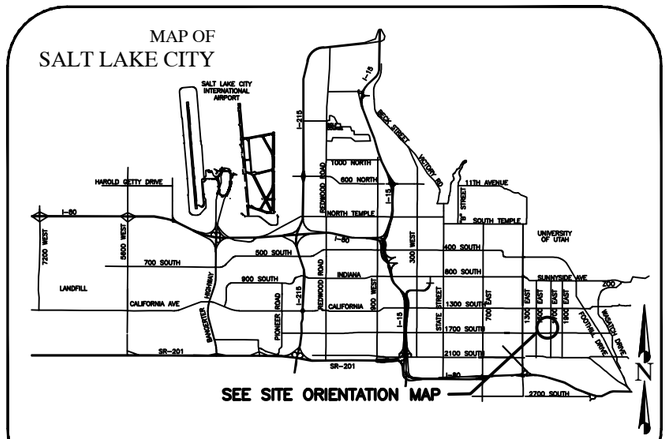
SALT LAKE CITY CORPORATION

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

EMERSON AVENUE, KENSINGTON AVENUE, ROSECREST DRIVE, SALT LAKE CITY UTAH

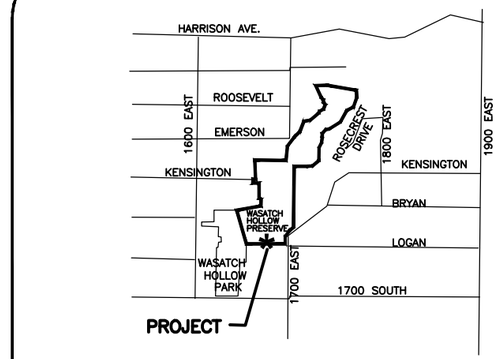
JOB NO. PRK20029



VICINITY MAP

SHEET SET ASSEMBLY ORDER

SHEET DESIGNATOR	BINDING ORDER	SHEET TITLE
GI 001	1	GENERAL INFORMATION COVER SHEET
GI 002	2	GENERAL INFORMATION NOTES
GI 003	3	GENERAL INFORMATION PARCEL MAP
LD 101 - 104	4 - 7	LANDSCAPE DEMOLITION PLANS
LS 101 - 103	8 - 10	LANDSCAPE SITE PLANS
DT 501 - 504	11 - 14	LANDSCAPE DETAILS
S 101 - 104	15 -18	STRUCTURAL ENGINEERS PLANS AND DETAILS



SITE ORIENTATION MAP

OWNER

DEPARTMENT OF:
PUBLIC SERVICES
ENGINEERING DIVISION
ACTING CITY ENGINEER
MATTHEW CASSEL, P.E., ENV-SP

349 SOUTH 200 EAST, SUITE 100
SALT LAKE CITY, UTAH 84111
OFFICE - 801.535.7961
FAX - 801.535.6093

CITY OFFICIALS

MAYOR ERIN MENDENHALL
CITY COUNCIL
DIST. 1 VICTORIA PETRO-ESCHLER
DIST. 2 ALEJANDRO PUY
DIST. 3 CHRIS WHARTON
DIST. 4 ANA VALDEMOROS
DIST. 5 DARIN MANO
DIST. 6 DAN DUGAN
DIST. 7 AMY FOWLER

100% REVIEW
NOT FOR CONSTRUCTION
AUGUST 2022

DESIGNER

LANDSCAPE ARCHITECT:

BIO-WEST
1063 West 1400 North • Logan, Utah 84321 • 435-752-4202

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

NOTE: PLANS ARE INTENDED TO BE PRINTED IN COLOR ON 11" X 17" PAPER

CITY ENGINEER	ENGINEERING PROJECT MANAGER	PUBLIC LANDS DEPUTY DIRECTOR	PUBLIC LANDS OPERATIONS MANAGER	PROJECT DESIGNER
MATTHEW CASSEL, P.E., ENV–SP — DATE	STEPHANIE TOOMBS P.E. — DATE	TYLER MURDOCK — DATE	AARON BENZON — DATE	CHRISTOPHER SANDS, RLA — DATE

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT
EMERSON AVENUE, KENSINGTON AVENUE, ROSECREST DRIVE, SALT LAKE CITY UTAH
JOB NO. PRK20029

GENERAL NOTES

Project Limits
All construction activity shall be confined to the project limit of disturbance including any staging/stockpile areas. Do not disturb, excavate or work beyond project limits of disturbance without permission from the Owners Representative.

Site Mapping
Basis of bearing for plans is Utah State Plane Central Zone NAD' 83 US Survey foot Coordinates. Elevation datum is NAVD 88/Geoid model 1999. The base survey was provided by Salt Lake City Corporation. Verification of survey mapping is the responsibility of the Contractor.

Survey Staking
Survey staking is the responsibility of the Contractor. The Contractor may obtain CAD files from the Designer for staking and layout purposes.

Permits
The Contractor is required to comply with all construction related requirements in each permit issued for the project.

Utilities
The Contractor is responsible for locating and avoiding all utilities and service laterals, and for repairing all damage that occurs to the utilities due to the Contractor's activities. It is the responsibility of the Contractor to confirm all utility locations at least 48 hours prior to excavation, call 1(800)662-4111. It is the responsibility of the Contractor to protect all existing utilities, including but not limited to fiber optic, sewer, water, gas and electric utilities encountered in the work. Any relocation or improvements of utilities shall be accurately noted on as-built drawings and issued to the Owners Representative at the completion of the project. Existing utility information obtained from Public Utilities' maps and other utility maps must be assumed as approximate and requiring field verification. Utilities are shown to best available information. Contractor is responsible to repair utility damage at no additional cost to Salt Lake City. Contact blue stakes or appropriate owner for communication line locations.

Utility Clearance
Maintain 3' horizontal clearance from water and storm drains, 5' horizontal clearance from sanitary sewers, and 18" cover over and 12" under any Salt Lake City PUD pipe. Maintain a minimum 10' horizontal and 1.5' vertical separation (with water on top) between water and sewer lines. All distances are to be measured outside to outside.

Utility Relocations
For utility conflicts requiring relocations, the contractor must notify the applicable utility company or user a minimum of 2-weeks in advance. A one-week minimum notification is required for conflicts requiring the relocation of service laterals. All relocations are subject to approval from the applicable utility company and/or user.

Safety
The Contractor is responsible for all aspects of safety of the project and shall meet all OSHA, State, County and other governing entity requirements. The Contractor is solely responsible for conforming to local and Federal codes governing shoring and bracing of excavations and trenches, and for the protection of workers. The Contractor is responsible for job site conditions and the safety for human life during the course of construction. This requirement shall apply continuously during the period of construction and is not limited to normal working hours.

Traffic Control and Haul Routes
Traffic control must conform to the most current edition of Salt Lake City Traffic Control Manual - Part 6 of “Manual On Uniform Traffic Control Devices” for Salt Lake County and state roads. SLC Transportation must approve all project haul routes (535-7129). The Contractor must also conform to UDOT, Salt Lake County or other applicable governing entities requirements for traffic control.

Temporary Construction Facilities
All temporary utilities and facilities will be the responsibility of the Contractor. A construction trailer is not required. Potable water is not available on site and shall be provided by the Contractor. A chemical toilet of suitable type shall be provided and maintained by the Contractor at all times.

Construction Spoils and Waste Handling
Items encountered below grade and not shown on the drawings shall be brought to the attention of the Owners Representative. All construction spoils and waste are the responsibility of the Contractor and shall be disposed of at an approved landfill facility.

Clearing and Grubbing
Existing on-site materials shall be carefully removed and stored for re-use, or disposed of at an approved landfill facility. All existing vegetation not in designated excavation areas and not designated for removal is to be protected in place. Completely remove stumps, roots, shrubs, weeds, and other debris protruding from the ground in areas to be excavated.

Site Earthwork and Grading
The Contractor is responsible for all site earthwork and grading activities to meet designs identified in plans and details, which are intended to show final result of design. Modifications may be required to suit job site conditions encountered during construction and shall be included in as-built drawings provided to the Owners Representative at completion of the project. All river channel banks and stream channel banks affected by construction activities shall be stabilized and protected throughout construction.

Backfill and embankment material shall be composed of suitable excavated soils as per APWA specifications 31 05 13 Common Fill and 31 23 16 Excavation.

Existing topsoil shall be excavated and salvaged by Contractor for use in landscaping and grading activities. Topsoils used in landscaping shall have acidity range (pH) from 5.5 to 7.5 and a minimum organic content of 2%. Topsoil shall be placed at 80% to 90% maximum dry density and subsoil at 85% minimum compaction as determined by the Standard Proctor Method (ASTM D0698-66T or AASHTO T99). All existing topsoils shall be salvaged and utilized for revegetation activities to the extent possible.

Site Construction Notes
All tree removal activities and site disturbance activities between April 1 and August 31 shall occur only after a Nesting Bird Survey has been conducted within the construction site footprint and all protocols and protective measures are followed.

All planting and seeding activities shall occur during the designated seeding and planting window from September 15 to December 1 unless in areas with irrigation or as otherwise authorized by the Owners Representative.

Where ground conditions are damp and equipment traffic would result in excessive ground compaction and rutting, use construction mats to access active work areas.

Use a water truck or other suitable watering device as needed to control dust.

Inspect paved roads adjacent to the project site regularly for mud tracking; sweep roadways as needed and ensure roads are left clean at the end of each shift.

The Contractor shall keep job site area clean, hazard free and dispose of all debris, rubbish and construction waste, and remove all abandoned materials from the site. All disturbed staging and access areas are to be restored to pre-construction condition. The Contractor is responsible to reclaim (regrade, seed and mulch, replace trees and shrubs or turf sod) construction features not specified as remaining on the site and clean up all areas at the completion of the project.

The Contractor is responsible to keep access to Private Property open at all times during construction.

The Contractor is responsible for installing water control measures as needed to perform streambank work in dry conditions. Water control measures include but are not limited to diversions, culverts, sumps with pumps or other means necessary to divert surface water away from the active work area. Adequate measures must be taken to remove all sediment prior to discharge.

Temporary Environmental/Safety Fence
Install fencing to demarcate active work areas as appropriate based on construction phasing.

Storm Water Pollution Prevention Plan Notes
1. No earth shall be disturbed until all erosion control measures are in place.

2. Erosion control measures will be maintained and remain in place until re-vegetation measures have been achieved.

3. The Contractor is responsible for submittal of NOI and acquisition of UPDES Storm Water General Permit for Construction Activities (UTR300000) and for SWPPP design, layout, installation, inspection and maintenance of erosion/sediment controls. The Contractor is responsible to submit SWPPP to Salt Lake City for review prior to initiating any disturbances. Adjust locations of measures and install additional measures as construction phasing requires. Disturbed areas where construction activity has ceased will be stabilized in accordance with State UPDES and Salt Lake City requirements.

4. The Contractor is responsible for implementing and utilizing Best Management Practices (BMPs) to prevent storm water runoff and water pollution during construction activities. The Contractor is responsible for supplying equipment and plans that provide both dust and fire control during project construction. Use caution when working in and around wet areas. If potential hazardous materials are encountered, contact the Owners Representative immediately.

Grading And Drainage Plan Notes
1. Contractor to stake the boundary of the grading area for approval from the Owners Representative prior to initiating grading activities.

2. Contractor is responsible for erosion, dust and temporary drainage control during grading operations.

3. Fill areas are to be compacted throughout to a minimum of 90% relative compaction.

4. Contractor is responsible for the location and protection of all utilities.

5. Export soil, if any, must be transported to a legal landfill or permitted site.

ABBREVIATIONS

APPROX	APPROXIMATE
AVG	AVERAGE
BC	BOTTOM OF CURB
BM	BENCHMARK
BOC	BACK OF CURB
BW	BOTTOM OF WALL
CAL	CALIPER
CL	CENTERLINE
CY	CUBIC YARD
DIA	DIAMETER
EL	ELEVATION
EX	EXISTING
FG	FINISH GRADE
GB	GRADE BREAK
HORIZ	HORIZONTAL
HP	HIGH POINT
IN	INCHES
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
REQ'D	REQUIRED
ROW	RIGHT OF WAY
SF	SQUARE FOOT
SHT	SHEET
TC	TOP OF CURB
TW	TOP OF WALL
TYP	TYPICAL
VERT	VERTICAL

PREPARER:
BIO-WEST

PREPARER CONSULTANTS:
FORSGREN Associates Inc.

PROFESSIONAL SEAL:
100% REVIEW
NOT FOR CONSTRUCTION

PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

349 South 200 East, Suite 100
Salt Lake City, Utah 84114-5506
Phone: (801)535-6157

MARK	DATE	DESCRIPTION

PREPARER : BIO-WEST, INC.
CONTRACT#: 300142
PROJECT#: PRK20029
FILE#:
BIO-WEST FILE#: 3021
DRAWN BY: S. DAVENPORT
CHECKED BY: C. SANDS
COPYRIGHT:
AUGUST 2022

SHEET TITLE:
GENERAL INFORMATION NOTES

SHEET IDENTIFIER:
GI 002

BINDING ORDER 2 OF –

CHURCH

OWNED BY CHURCH STILL, BUT DEEDED A SLOPE EASEMENT TO SALT LAKE CITY

ROCKY MTN. POWER
LUMEN/ CENTURYLINK
AERIAL CABLE
GOOGLE FIBER
OHU

ROSECREST DRIVE ACCESS
SHEET LD 103, LS 103

25' BACK SETBACK

10' SIDE SETBACKS

20' FRONT SETBACK

1743 E Rosecrest Dr
Owner: Salt Lake City Corp
Parcel: 16-16-209-013-0000
Zoning: R-1-7000

ROSECREST DR. (1465 SOUTH)

EMERSON AVENUE ACCESS
SHEET LD 102, LS 102

WASATCH HOLLOW PRESERVE

EMERSON AVE. (1500 S)

1453 S 1700 E
Owner: Salt Lake City Corp
Parcel: 16-16-209-017-0000
Zoning: I

1455 S 1700 E
Owner: Corp of PB of Ch JC of LDS
Parcel: 16-16-209-016-0000
Zoning: I

20' FRONT SETBACK

4' SIDE SETBACK

20' BACK SETBACK

KENSINGTON AVENUE ACCESS
SHEET LD 101, LS 101

1665 E Kensington Ave
Owner: Salt Lake City Corp
Parcel: 16-16-251-008-0000
Zoning: R-1-5000

1665 E Kensington Ave
Owner: Salt Lake City Corp
Parcel: 16-16-254-016-0000
Zoning:?

KENSINGTON AVE. (1530 S)

Null

10' SIDE SETBACK

1665 E Kensington Ave
Owner: Salt Lake City Corp
Parcel: 16-16-252-002-0000
Zoning: R-1-5000

OHU

PARCEL MAP LEGEND

KEY	DESCRIPTION
	PROPERTY LINE
	SEWER LINE
	WATER LINE
	STORM WATER LINE
OHU	OVERHEAD POWER LINE

N

0 75 150 Feet

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

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PROFESSIONAL SEAL:

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AUGUST 2022

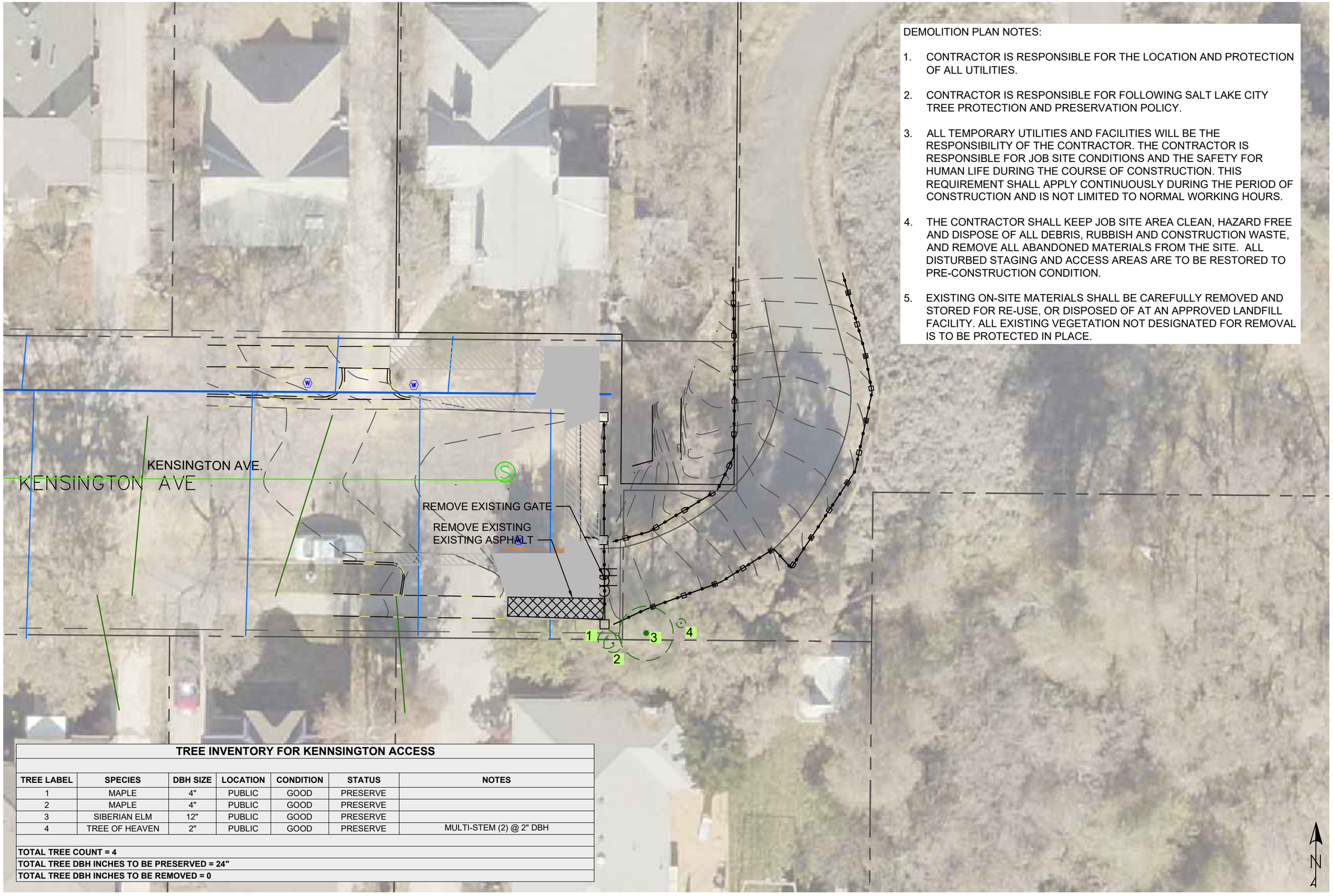
SHEET TITLE:

GENERAL INFORMATION PARCEL MAP

SHEET IDENTIFIER:

GI 003

BINDING ORDER - OF -



DEMOLITION PLAN NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES.
2. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING SALT LAKE CITY TREE PROTECTION AND PRESERVATION POLICY.
3. ALL TEMPORARY UTILITIES AND FACILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE CONDITIONS AND THE SAFETY FOR HUMAN LIFE DURING THE COURSE OF CONSTRUCTION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY DURING THE PERIOD OF CONSTRUCTION AND IS NOT LIMITED TO NORMAL WORKING HOURS.
4. THE CONTRACTOR SHALL KEEP JOB SITE AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS, RUBBISH AND CONSTRUCTION WASTE, AND REMOVE ALL ABANDONED MATERIALS FROM THE SITE. ALL DISTURBED STAGING AND ACCESS AREAS ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITION.
5. EXISTING ON-SITE MATERIALS SHALL BE CAREFULLY REMOVED AND STORED FOR RE-USE, OR DISPOSED OF AT AN APPROVED LANDFILL FACILITY. ALL EXISTING VEGETATION NOT DESIGNATED FOR REMOVAL IS TO BE PROTECTED IN PLACE.

TREE INVENTORY FOR KENNSINGTON ACCESS

TREE LABEL	SPECIES	DBH SIZE	LOCATION	CONDITION	STATUS	NOTES
1	MAPLE	4"	PUBLIC	GOOD	PRESERVE	
2	MAPLE	4"	PUBLIC	GOOD	PRESERVE	
3	SIBERIAN ELM	12"	PUBLIC	GOOD	PRESERVE	
4	TREE OF HEAVEN	2"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 2" DBH
TOTAL TREE COUNT = 4						
TOTAL TREE DBH INCHES TO BE PRESERVED = 24"						
TOTAL TREE DBH INCHES TO BE REMOVED = 0						

KENSINGTON AVENUE

0 20 40 Feet

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
NOT FOR CONSTRUCTION

PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

349 South 200 East, Suite 100
Salt Lake City, Utah 84114-5506
Phone: (801)535-6157

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DRAWN BY: S. DAVENPORT
CHECKED BY: C. SANDS
COPYRIGHT: AUGUST 2022

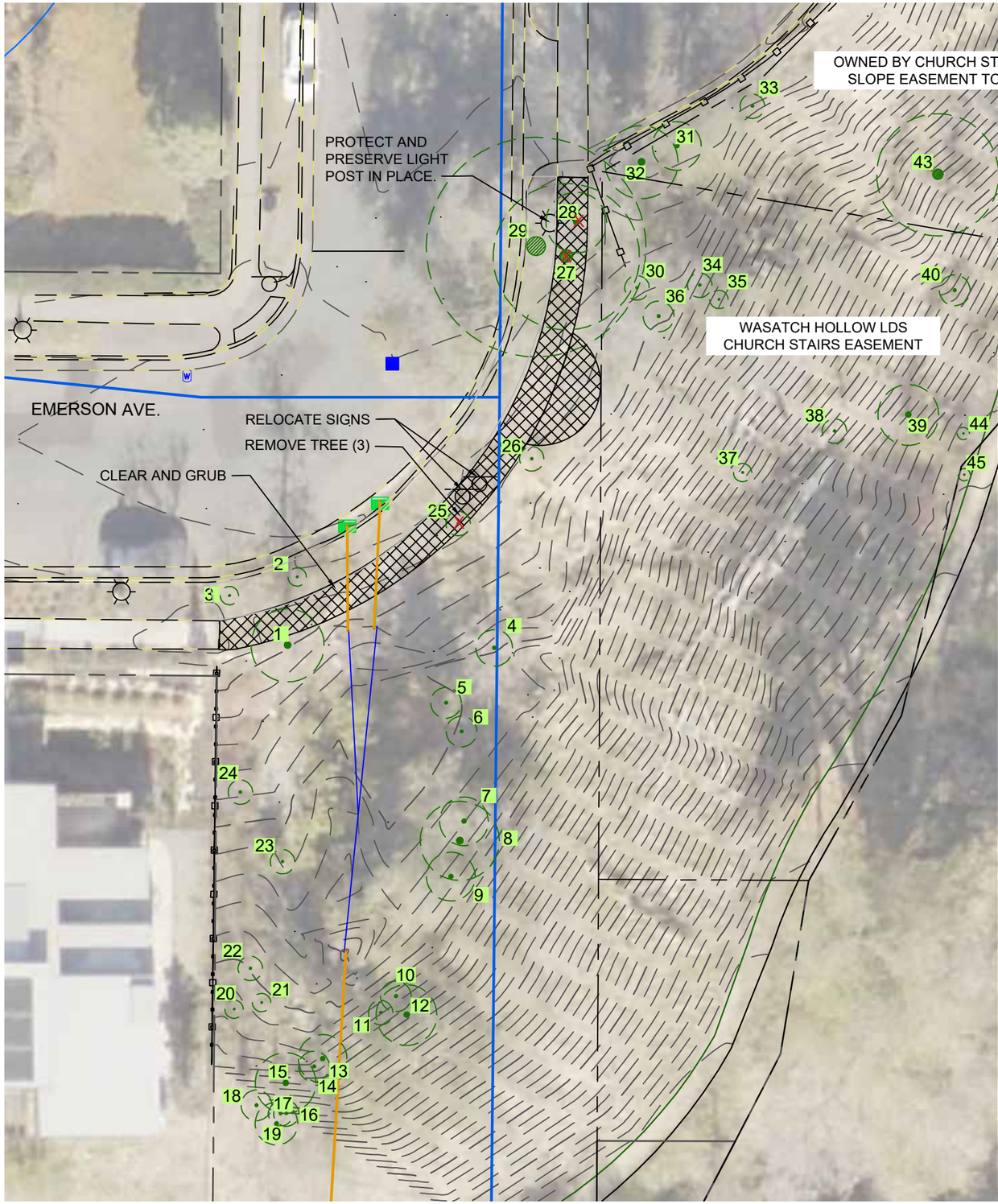
SHEET TITLE:

DEMOLITION PLAN

SHEET IDENTIFIER:

LD 101

BINDING ORDER - OF -



TREE INVENTORY FOR EMERSON ACCESS

TREE LABEL	SPECIES	DBH SIZE	LOCATION	CONDITION	STATUS	NOTES
1	NORTHERN CATALPA	12"	PUBLIC	GOOD	PRESERVE	
2	CRABAPPLE TREE	3"	PUBLIC	GOOD	PRESERVE	
3	CRABAPPLE TREE	3"	PUBLIC	GOOD	PRESERVE	
4	BOX ELDER	6"	PUBLIC	GOOD	PRESERVE	
5	APPLE TREE	5"	PUBLIC	GOOD	PRESERVE	
6	APPLE TREE	5"	PUBLIC	GOOD	PRESERVE	
7	SIBERIAN ELM	8"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (3) @ 8" DBH
8	SIBERIAN ELM	13"	PUBLIC	GOOD	PRESERVE	
9	SIBERIAN ELM	8"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (6) @ 8" DBH
10	ASH SPECIES	5"	PUBLIC	GOOD	PRESERVE	
11	SIBERIAN ELM	4"	PUBLIC	GOOD	PRESERVE	
12	SIBERIAN ELM	10"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (5) @ 10" DBH
13	SIBERIAN ELM	8"	PUBLIC	GOOD	PRESERVE	
14	TREE OF HEAVEN	5"	PUBLIC	GOOD	PRESERVE	
15	SIBERIAN ELM	10"	PUBLIC	GOOD	PRESERVE	
16	TREE OF HEAVEN	5"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 5" DBH
17	TREE OF HEAVEN	4"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (3) @ 4" DBH
18	TREE OF HEAVEN	5"	PUBLIC	GOOD	PRESERVE	
19	BOX ELDER	7"	PUBLIC	GOOD	PRESERVE	
20	CHOKECHERRY	3"	PUBLIC	GOOD	PRESERVE	
21	CHOKECHERRY	3"	PUBLIC	GOOD	PRESERVE	
22	CHOKECHERRY	4"	PUBLIC	GOOD	PRESERVE	
23	SIBERIAN ELM	2"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (7) @ 2" DBH
24	CHOKECHERRY	4"	PUBLIC	GOOD	PRESERVE	
25	HONEYLOCUST TREE	2"	PUBLIC	GOOD	REMOVE	MULTI-STEM (2) @ 2" DBH
26	HONEYLOCUST TREE	2"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (3) @ 2" DBH
27	SIBERIAN ELM	24"	PUBLIC	GOOD	REMOVE	
28	TREE OF HEAVEN	10"	PUBLIC	GOOD	REMOVE	
29	SIBERIAN ELM	36"	PUBLIC	GOOD	PRESERVE	
30	SIBERIAN ELM	4"	PUBLIC	GOOD	PRESERVE	
31	SIBERIAN ELM	8"	PUBLIC	GOOD	PRESERVE	
32	MULBERRY	12"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 12" DBH
33	TREE OF HEAVEN	4"	PUBLIC	GOOD	PRESERVE	
34	SIBERIAN ELM	4"	PUBLIC	GOOD	PRESERVE	
35	SIBERIAN ELM	3"	PUBLIC	GOOD	PRESERVE	
36	BOX ELDER	5"	PUBLIC	VERY POOR	PRESERVE	DEAD
37	BOX ELDER	3"	PUBLIC	GOOD	PRESERVE	
38	BOX ELDER	4"	PUBLIC	GOOD	PRESERVE	
39	SIBERIAN ELM	10"	PUBLIC	GOOD	PRESERVE	
40	BOX ELDER	5"	PUBLIC	VERY POOR	PRESERVE	DEAD
41	GAMBEL OAK	6"	PUBLIC	GOOD	PRESERVE	
42	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (3) @ 4" DBH
43	BOX ELDER	20"	PUBLIC	GOOD	PRESERVE	
44	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
45	SIBERIAN ELM	2"	PUBLIC	GOOD	PRESERVE	

TOTAL TREE COUNT = 45
TOTAL TREE DBH INCHES TO BE PRESERVED = 421"
TOTAL TREE DBH INCHES TO BE REMOVED = 36"

EMERSON AVENUE

0 20 40 Feet

PREPARER:
BIO-WEST

PREPARER CONSULTANTS:
FORSGREN Associates Inc

PROFESSIONAL SEAL:
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SALT LAKE CITY, UTAH

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FILE#:
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DRAWN BY: S. DAVENPORT
CHECKED BY: C. SANDS
COPYRIGHT: AUGUST 2022

SHEET TITLE:
DEMOLITION PLAN

SHEET IDENTIFIER:
LD 102

BINDING ORDER - OF -

REMOVE FENCE PANEL

CLEAR AND GRUB
(500 S.F.)

LOWEST UTILITY IS 18
FEET UP THE POLE

EXISTING
POWER
POLE

REMOVE TREE (7)

WASATCH HOLLOW
PRESERVE

TOP OF BANK

N69°56'40"E 33.53' (R)

N49°33'10"E 40.08' (R)

N79°48'13"W 241.10' (R)

OVERHEAD ELECTRICAL LINE

CLEAR AND GRUB
(1,400 S.F.)

ROSECREST DR.
(1465 SOUTH)

EXISTING IRRIGATION BOXES

ROSECREST DRIVE

0 20 40 Feet

N

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AUGUST 2022

SHEET TITLE:

DEMOLITION PLAN

SHEET IDENTIFIER:

LD 103

BINDING ORDER - OF -

TREE INVENTORY FOR ROSECREST ACCESS

TREE LABEL	SPECIES	DBH SIZE	LOCATION	CONDITION	STATUS	NOTES
1	BOX ELDER	10"	PUBLIC	GOOD	PRESERVE	
2	CRACK WILLOW	30"	PUBLIC	GOOD	PRESERVE	
3	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
4	CRACK WILLOW	36"	PUBLIC	GOOD	PRESERVE	
5	BOX ELDER	3"	PUBLIC	GOOD	PRESERVE	
6	BOX ELDER	5"	PUBLIC	GOOD	REMOVE	MULTI-STEM (3) @ 5" DBH
7	COTTONWOOD	3"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 3" DBH
8	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (8) @ 2" DBH
9	CRACK WILLOW	24"	PUBLIC	GOOD	PRESERVE	
10	CRACK WILLOW	14"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (3) @ 14" DBH
11	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
12	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
13	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
14	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
15	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
16	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
17	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
18	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
19	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 4"
20	GAMBEL OAK	6"	PUBLIC	GOOD	PRESERVE	
21	GAMBEL OAK	7"	PUBLIC	GOOD	PRESERVE	
22	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
23	MAPLE	4"	PUBLIC	GOOD	PRESERVE	
24	GAMBEL OAK	6"	PUBLIC	GOOD	PRESERVE	
25	BOX ELDER	3"	PUBLIC	GOOD	PRESERVE	
26	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
27	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
28	BLACK HAWTHORN	7"	PUBLIC	GOOD	PRESERVE	
29	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
30	BOX ELDER	24"	PUBLIC	GOOD	PRESERVE	
31	GAMBEL OAK	6"	PUBLIC	GOOD	PRESERVE	
32	BLACK HAWTHORN	4"	PUBLIC	GOOD	PRESERVE	
33	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
34	MAPLE	3"	PUBLIC	GOOD	PRESERVE	
35	MAPLE	5"	PUBLIC	GOOD	PRESERVE	
36	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
37	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
38	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
39	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
40	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
41	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
42	MAPLE	2"	PUBLIC	GOOD	PRESERVE	MULTI-STEM (2) @ 2" DBH
43	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
44	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
45	MAPLE	3"	PUBLIC	GOOD	PRESERVE	
46	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
47	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
48	GOLDEN RAINTREE	2"	PUBLIC	GOOD	PRESERVE	
49	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
50	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
51	BLACK HAWTHORN	2"	PUBLIC	GOOD	PRESERVE	
52	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
53	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
54	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
55	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
56	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
57	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
58	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
59	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
60	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
61	MAPLE	4"	PUBLIC	GOOD	PRESERVE	
62	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
63	BOX ELDER	2"	PUBLIC	GOOD	PRESERVE	
64	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
65	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
66	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
67	GAMBEL OAK	8"	PUBLIC	GOOD	PRESERVE	
68	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
69	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
70	GOLDEN RAINTREE	3"	PUBLIC	GOOD	PRESERVE	
71	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
72	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
73	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
74	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
75	ASH SPECIES	3"	PUBLIC	GOOD	PRESERVE	
76	MAPLE	3"	PUBLIC	GOOD	PRESERVE	
77	GAMBEL OAK	4"	PUBLIC	GOOD	REMOVE	
78	GAMBEL OAK	5"	PUBLIC	GOOD	REMOVE	
79	BLACK HAWTHORN	2"	PUBLIC	GOOD	REMOVE	
80	MAPLE	5"	PUBLIC	GOOD	PRESERVE	
81	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
82	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
83	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
84	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
85	MAPLE	6"	PUBLIC	GOOD	PRESERVE	
86	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
87	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
88	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
89	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
90	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
91	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
92	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
93	GAMBEL OAK	2"	PUBLIC	GOOD	PRESERVE	
94	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
95	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
96	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
97	BLACK HAWTHORN	2"	PUBLIC	GOOD	REMOVE	
98	BLACK HAWTHORN	2"	PUBLIC	GOOD	REMOVE	
99	GAMBEL OAK	5"	PUBLIC	GOOD	REMOVE	
100	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
101	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
102	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
103	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
104	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
105	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
106	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
107	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
108	GOLDEN RAINTREE	2"	PUBLIC	GOOD	PRESERVE	
109	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
110	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
111	GAMBEL OAK	6"	PUBLIC	GOOD	PRESERVE	
112	GAMBEL OAK	5"	PUBLIC	GOOD	PRESERVE	
113	MAPLE	2"	PUBLIC	GOOD	PRESERVE	
114	GAMBEL OAK	2"	PUBLIC	GOOD	PRESERVE	
115	GAMBEL OAK	3"	PUBLIC	GOOD	PRESERVE	
116	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	
117	GAMBEL OAK	4"	PUBLIC	GOOD	PRESERVE	

TOTAL TREE COUNT = 117

TOTAL TREE DBH INCHES TO BE PRESERVED = 608"

TOTAL TREE DBH INCHES TO BE REMOVED = 35"

ROSECREST DRIVE

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
NOT FOR CONSTRUCTION

PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

349 South 200 East, Suite 100
Salt Lake City, Utah 84114-5506
Phone: (801)535-6157

MARK	DATE	DESCRIPTION

PREPARER : BIO-WEST, INC.
CONTRACT#: 300142
PROJECT#: PRK20029
FILE#:
BIO-WEST FILE#: 3021
DRAWN BY: S. DAVENPORT
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AUGUST 2022

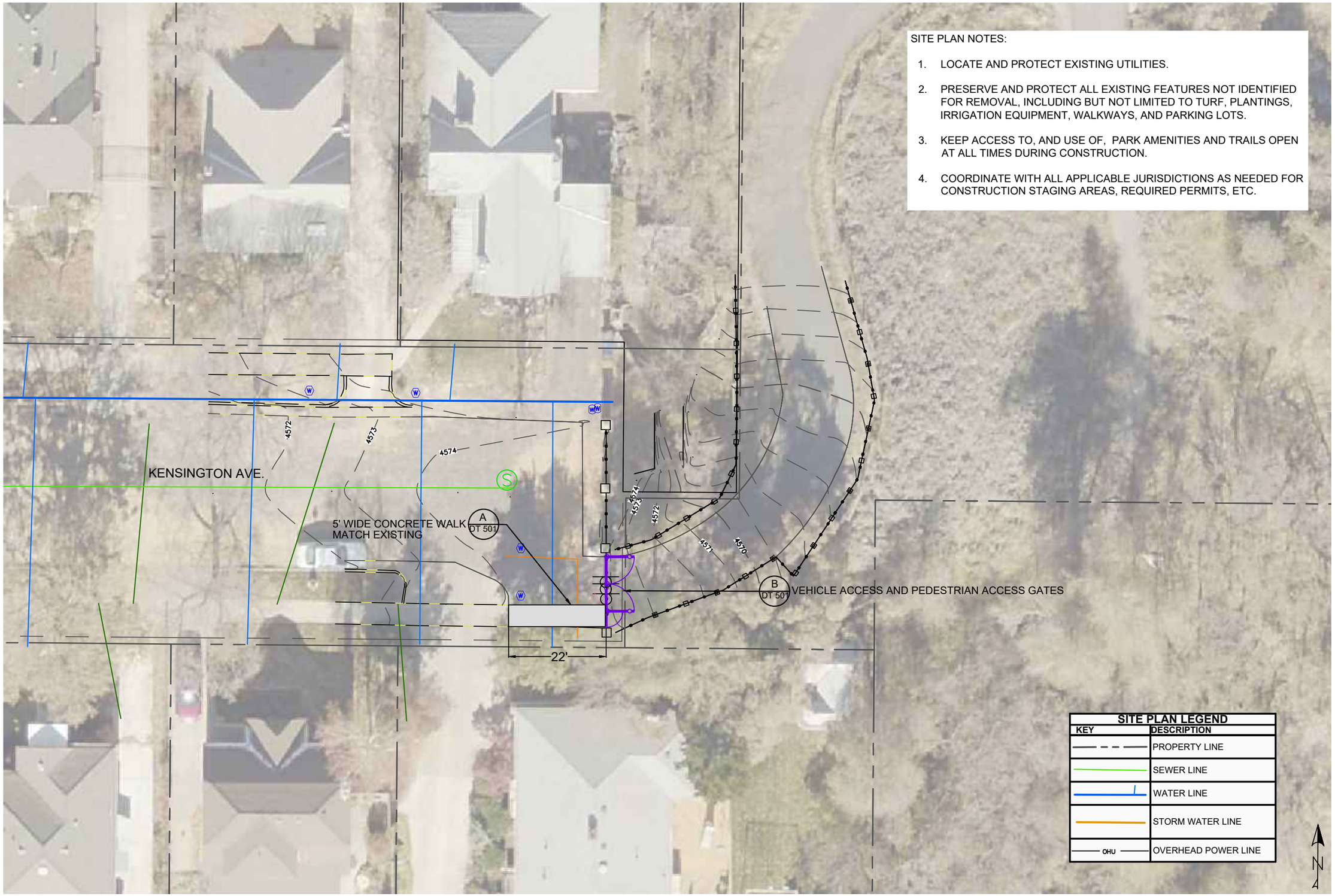
SHEET TITLE:

DEMOLITION PLAN

SHEET IDENTIFIER:

LD 104

BINDING ORDER - OF -



SITE PLAN NOTES:

1. LOCATE AND PROTECT EXISTING UTILITIES.
2. PRESERVE AND PROTECT ALL EXISTING FEATURES NOT IDENTIFIED FOR REMOVAL, INCLUDING BUT NOT LIMITED TO TURF, PLANTINGS, IRRIGATION EQUIPMENT, WALKWAYS, AND PARKING LOTS.
3. KEEP ACCESS TO, AND USE OF, PARK AMENITIES AND TRAILS OPEN AT ALL TIMES DURING CONSTRUCTION.
4. COORDINATE WITH ALL APPLICABLE JURISDICTIONS AS NEEDED FOR CONSTRUCTION STAGING AREAS, REQUIRED PERMITS, ETC.

SITE PLAN LEGEND

KEY	DESCRIPTION
	PROPERTY LINE
	SEWER LINE
	WATER LINE
	STORM WATER LINE
OHU	OVERHEAD POWER LINE

KENSINGTON AVENUE

0 20 40 Feet

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
NOT FOR CONSTRUCTION

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KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

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Salt Lake City, Utah 84114-5506
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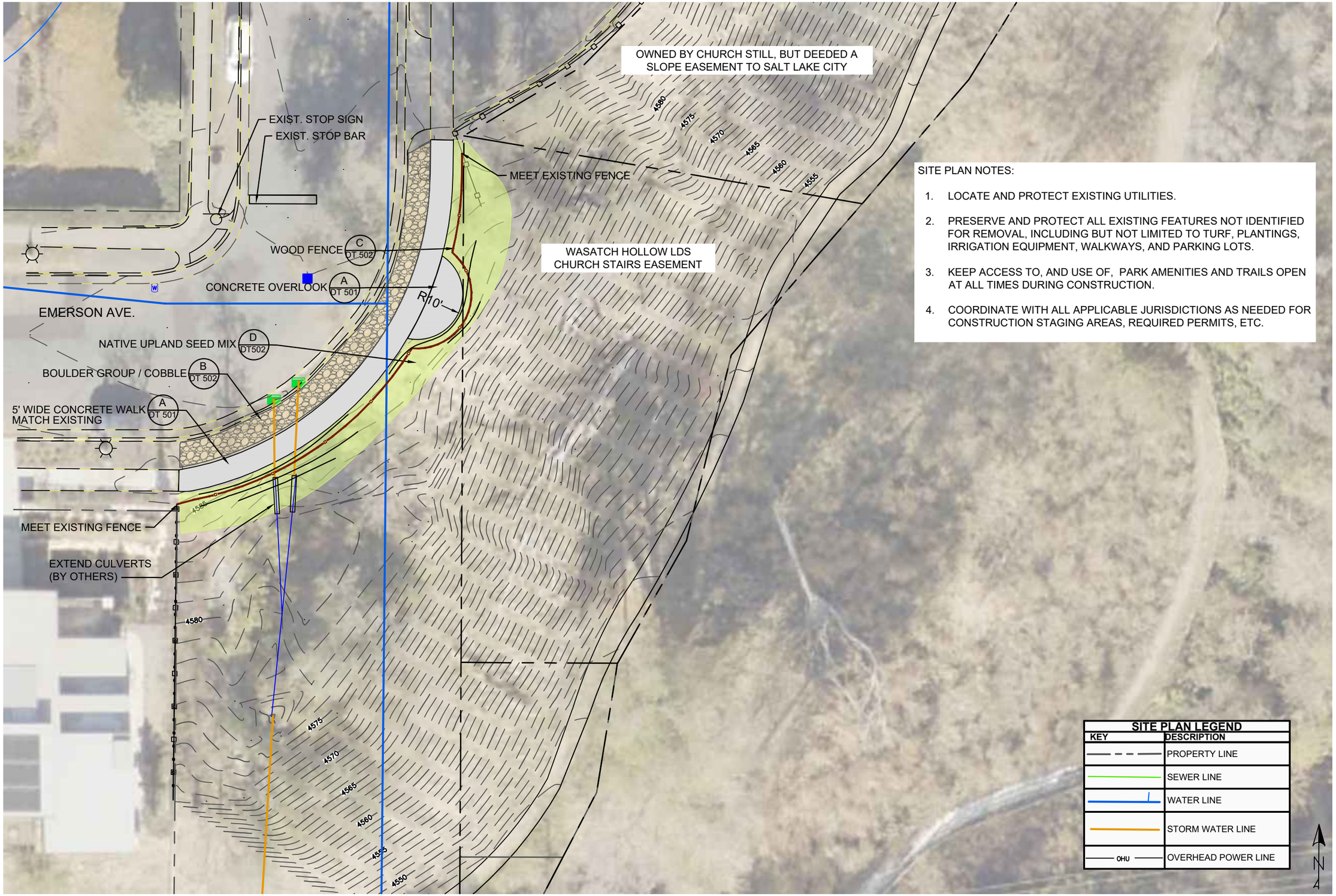
SHEET TITLE:

SITE PLAN

SHEET IDENTIFIER:

LS 101

BINDING ORDER - OF -



PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

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PROFESSIONAL SEAL:

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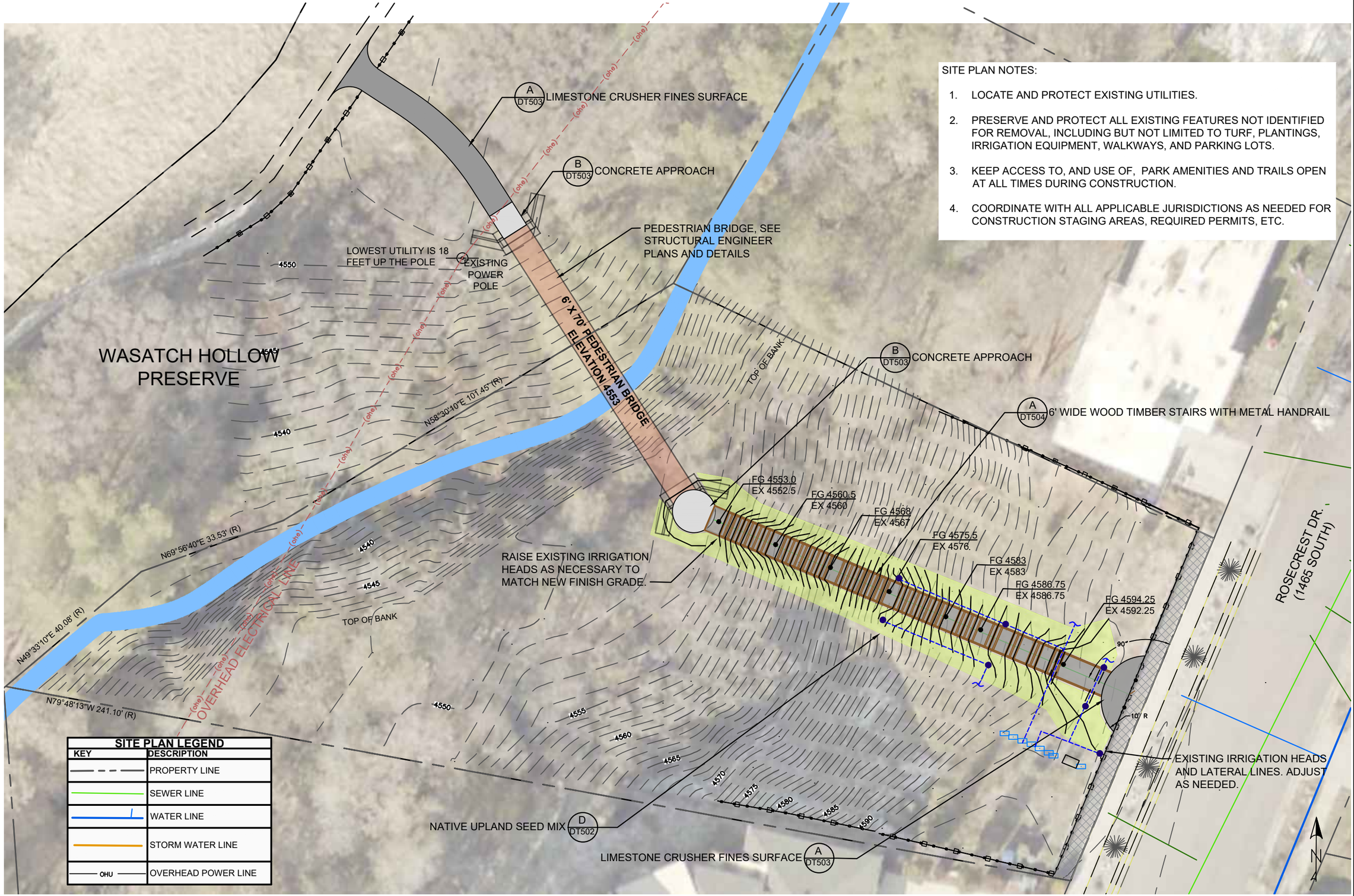
SHEET TITLE:

SITE PLAN

SHEET IDENTIFIER:

LS 102

BINDING ORDER 4 OF -



SITE PLAN NOTES:

1. LOCATE AND PROTECT EXISTING UTILITIES.
2. PRESERVE AND PROTECT ALL EXISTING FEATURES NOT IDENTIFIED FOR REMOVAL, INCLUDING BUT NOT LIMITED TO TURF, PLANTINGS, IRRIGATION EQUIPMENT, WALKWAYS, AND PARKING LOTS.
3. KEEP ACCESS TO, AND USE OF, PARK AMENITIES AND TRAILS OPEN AT ALL TIMES DURING CONSTRUCTION.
4. COORDINATE WITH ALL APPLICABLE JURISDICTIONS AS NEEDED FOR CONSTRUCTION STAGING AREAS, REQUIRED PERMITS, ETC.

SITE PLAN LEGEND

KEY	DESCRIPTION
	PROPERTY LINE
	SEWER LINE
	WATER LINE
	STORM WATER LINE
OHU	OVERHEAD POWER LINE

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW NOT FOR CONSTRUCTION

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ROSECREST DRIVE

SALT LAKE CITY, UTAH

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SHEET TITLE:

SITE PLAN

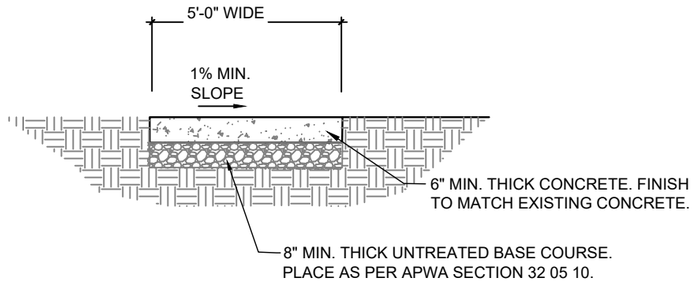
SHEET IDENTIFIER:

LS 103

BINDING ORDER 5 OF -

CONCRETE WALK NOTES:

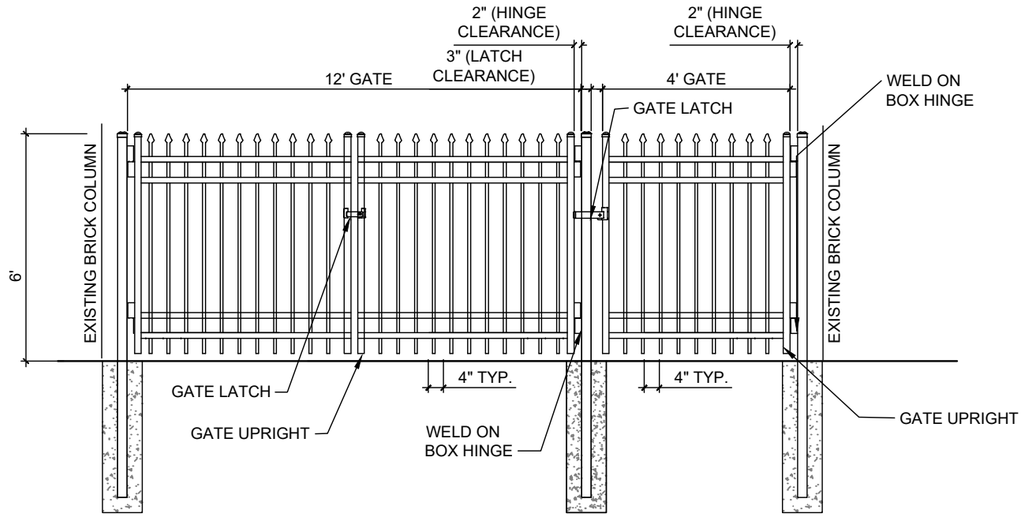
1. TOOLED SCORE JOINTS 5' O.C., 1/4" WIDE X 1" DEEP.



SECTION VIEW

(A) CONCRETE WALK AT KENSINGTON AVENUE

1" = 4'-0"



VEHICLE ACCESS ELEVATION VIEW

PEDESTRIAN ACCESS ELEVATION VIEW

VEHICLE ACCESS AND PEDESTRIAN ACCESS GATES NOTES:

1. DECORATIVE METAL FENCE TO BE AMERISTAR MONTAGE COMMERCIAL CLASSIC 4-RAIL OR EQUAL.
2. ALL FENCING MATERIAL TO BE HOT DIPPED GALVANIZED WITH NO-MAR BLACK POWDER FINISH COAT.

(B) VEHICLE ACCESS AND PEDESTRIAN ACCESS GATES

1"=4'-0"

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

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NOT FOR CONSTRUCTION

PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

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Salt Lake City, Utah 84114-5506
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SHEET TITLE:

LANDSCAPE DETAILS

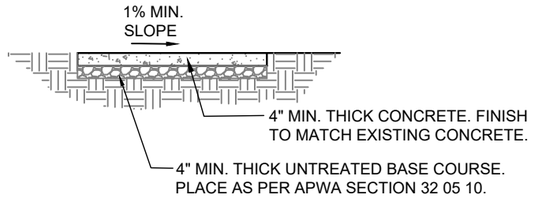
SHEET IDENTIFIER:

DT 501

BINDING ORDER - OF -

CONCRETE WALK NOTES:

1. TOOLED SCORE JOINTS 5' O.C., 1/4" WIDE X 1" DEEP.



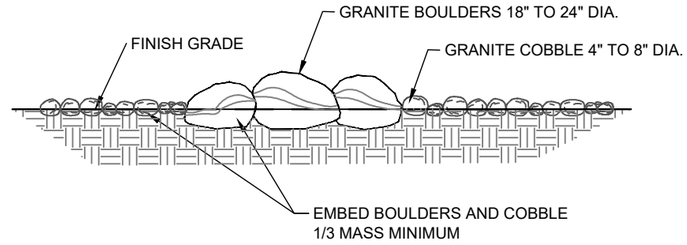
SECTION VIEW

A CONCRETE WALK AND OVERLOOK AT EMERSON AVENUE

1" = 4'-0"

BOULDER PLACEMENT NOTES:

1. SET BOULDERS IN GROUPS OF THREE SO THEY SIT SECURELY AND ARE FITTED TOGETHER.
2. COORDINATE BOULDER PLACEMENT WITH OWNER'S REPRESENTATIVE.



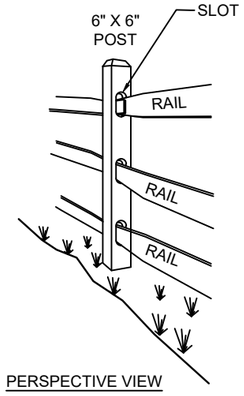
SECTION VIEW

B BOULDER GROUP / COBBLE

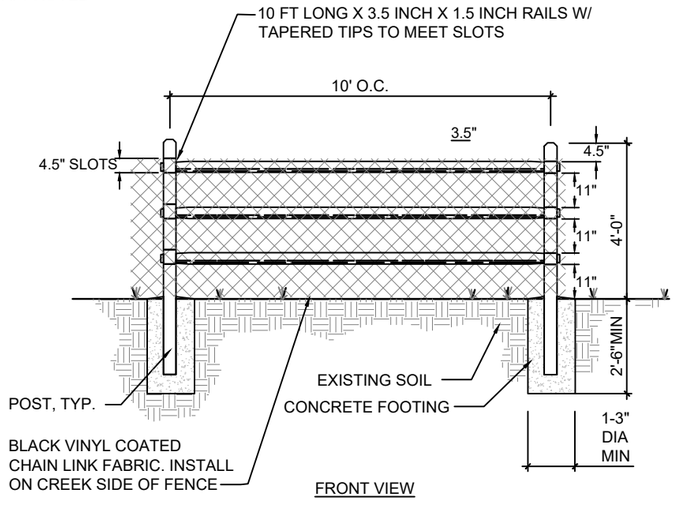
1" = 4'-0"

WOOD FENCE NOTES:

1. ALL WOOD FOR FENCE TO BE CEDAR OR APPROVED ALTERNATE.
2. END POST SHALL BE TERMINAL POST.
3. 2' OFFSET FROM CONCRETE.



PERSPECTIVE VIEW



FRONT VIEW

C WOOD FENCE

1" = 4'-0"

NATIVE UPLAND SEED MIX

SEED NO.	SPECIES NAME		Number of seeds per pound	BROADCAST SEED		
	BOTANICAL NAME	COMMON NAME		Pounds of pure live seed per acre	Percent of mix	Seeds per square foot
1	*Aristida purpurea*	Purple three-awn	250,000	2	4.99%	11
2	*Elymus elymoides*	Bottlebrush squirreltail	192,000	2	3.83%	9
3	*Stipa comata*	Needle and thread grass	137,857	3	4.12%	9
4	*Elymus trachycaulum*	Slender wheatgrass	135,000	3.5	4.71%	11
5	*Poa secunda (sandbergii)*	Sandberg bluegrass	1,046,960	1	10.44%	24
6	*Pseudoroegneria spicata*	Bluebunch wheatgrass	125,680	2	2.51%	6
7	*Balsamorhiza sagittata*	Arrowleaf balsamroot	58,438	2	1.17%	3
8	*Linum lewisii 'Appar'*	Appar blue flax	294,848	2	5.88%	14
9	*Erigeron speciosus*	Aspen daisy	1,600,000	1	15.96%	37
10	*Geranium viscosissimum*	Wild geranium	55,238	1	0.55%	1
11	*Heliomeris multiflora*	Showy goldeneye	1,055,000	1	10.52%	24
12	*Lupinus argenteus*	Silvery lupine	126,000	3	3.77%	9
13	*Wyethia amplexicaulis*	Mule's ear	28,221	4	1.13%	3
14	*Artemisia ludoviciana*	Prairie sage	4,500,000	0.5	22.44%	52
15	*Ericameria nauseosus*	Rubber rabbitbrush	400,000	2	7.98%	18
	TOTAL			30	100.00%	230

D NATIVE UPLAND SEED MIX

1" = 4'-0"

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
NOT FOR CONSTRUCTION

PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

349 South 200 East, Suite 100
Salt Lake City, Utah 84114-5506
Phone: (801)535-6157

MARK	DATE	DESCRIPTION

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FILE#:
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DRAWN BY: S. DAVENPORT
CHECKED BY: C. SANDS
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AUGUST 2022

SHEET TITLE:

LANDSCAPE DETAILS

SHEET IDENTIFIER:

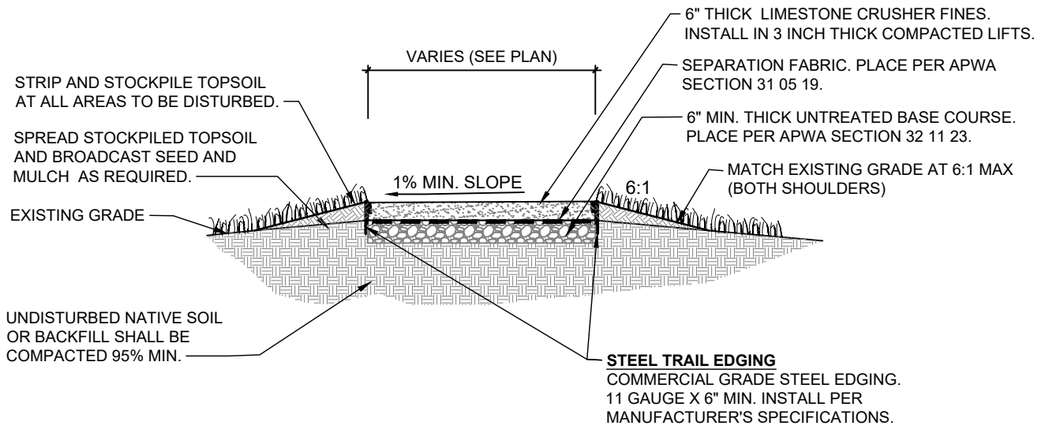
DT 502

BINDING ORDER – OF –

LIMESTONE CRUSHER FINES SURFACE NOTES:

1. THE CONTRACTOR SHALL FURNISH AND DELIVER LIMESTONE CRUSHER FINES CONSISTING OF IRREGULAR AND ANGULAR PARTICLES. NO ROUNDED MATERIAL IS ACCEPTABLE. THE LIMESTONE CRUSHER FINES SHALL MEET THE FOLLOWING GRADATION SPECIFICATION:

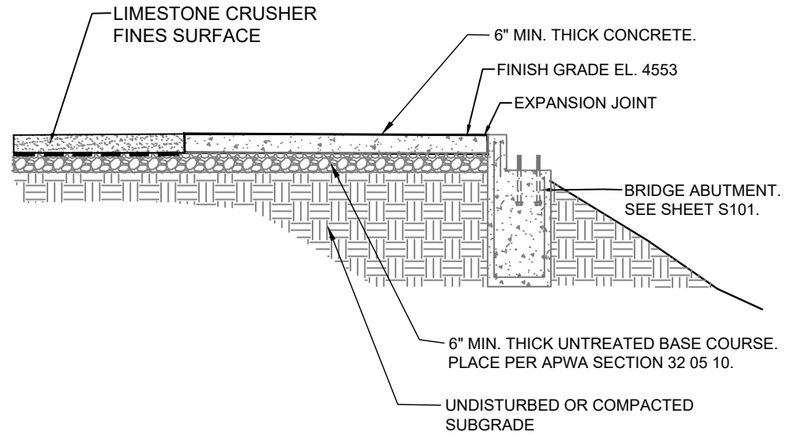
SIEVE SIZE	PERCENT PASSING
3/8 INCH (9.52 MM)	100%
NO. 4 (4.76 MM)	75 TO 92%
NO. 8 (2.38 MM)	50 TO 72%
NO. 16 (1.20 MM)	38 TO 55%
NO. 40 (0.42 MM)	20 TO 40%
NO. 100 (0.149 MM)	10 TO 22%
NO. 200 (0.074 MM)	8 TO 15%



SECTION VIEW

A LIMESTONE CRUSHER FINES SURFACE

1"=4'-0"



SECTION VIEW

B CONCRETE APPROACH DETAIL

1" = 4'-0"

SEED MIX NOTES:

1. APPLY SEED AND HYDROMULCH ON ALL DISTURBED AREAS.

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW NOT FOR CONSTRUCTION

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WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
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ROSECREST DRIVE

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SHEET TITLE:

LANDSCAPE DETAILS

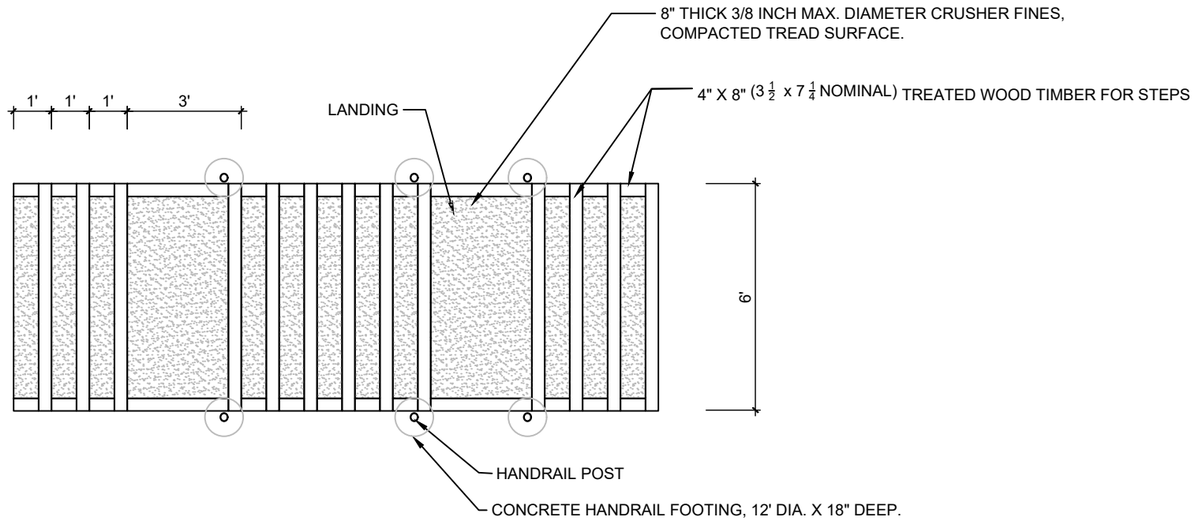
SHEET IDENTIFIER:

DT 503

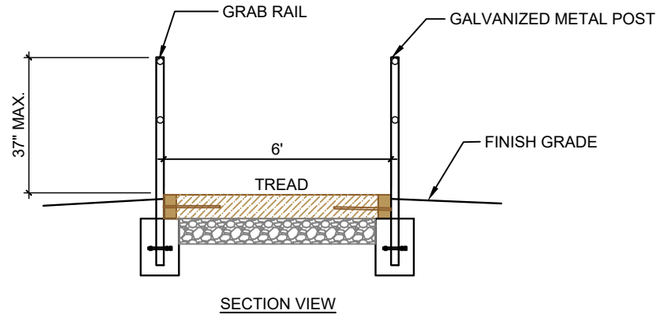
BINDING ORDER - OF -

METAL HANDRAIL NOTES:

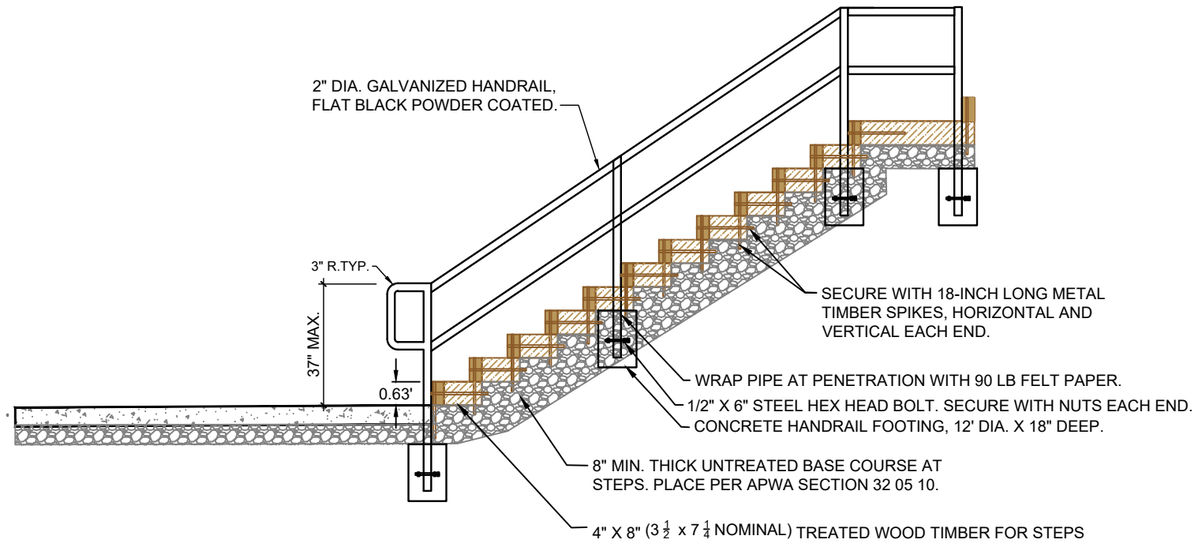
1. ALL POSTS AND GRAB RAILS TO BE 12 GUAGE, 2" DIA. GALVANIZED METAL TUBES.
2. ALL MATERIAL TO BE HOT DIPPED GALVANIZED WITH NO-MAR BLACK POWDER FINISH COAT.



PLAN VIEW



SECTION VIEW



PROFILE VIEW

Ⓐ 6' WIDE WOOD TIMBER STAIRS WITH METAL HANDRAIL

N.T.S.

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
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PROJECT IDENTIFICATION:

WASATCH HOLLOW ACCESS AND AMENITY IMPROVEMENTS PROJECT

KENSINGTON AVENUE
EMERSON AVENUE
ROSECREST DRIVE

SALT LAKE CITY, UTAH

PROJECT OWNER:

SALT LAKE CITY CORPORATION

ENGINEERING

349 South 200 East, Suite 100
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CONTRACT#: 300142
PROJECT#: PRK20029
FILE#:
BIO-WEST FILE#: 3021
DRAWN BY: S. DAVENPORT
CHECKED BY: C. SANDS
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AUGUST 2022

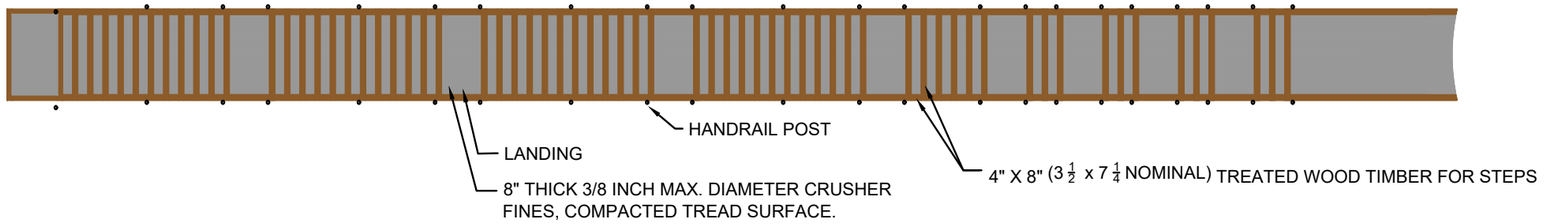
SHEET TITLE:

LANDSCAPE DETAILS

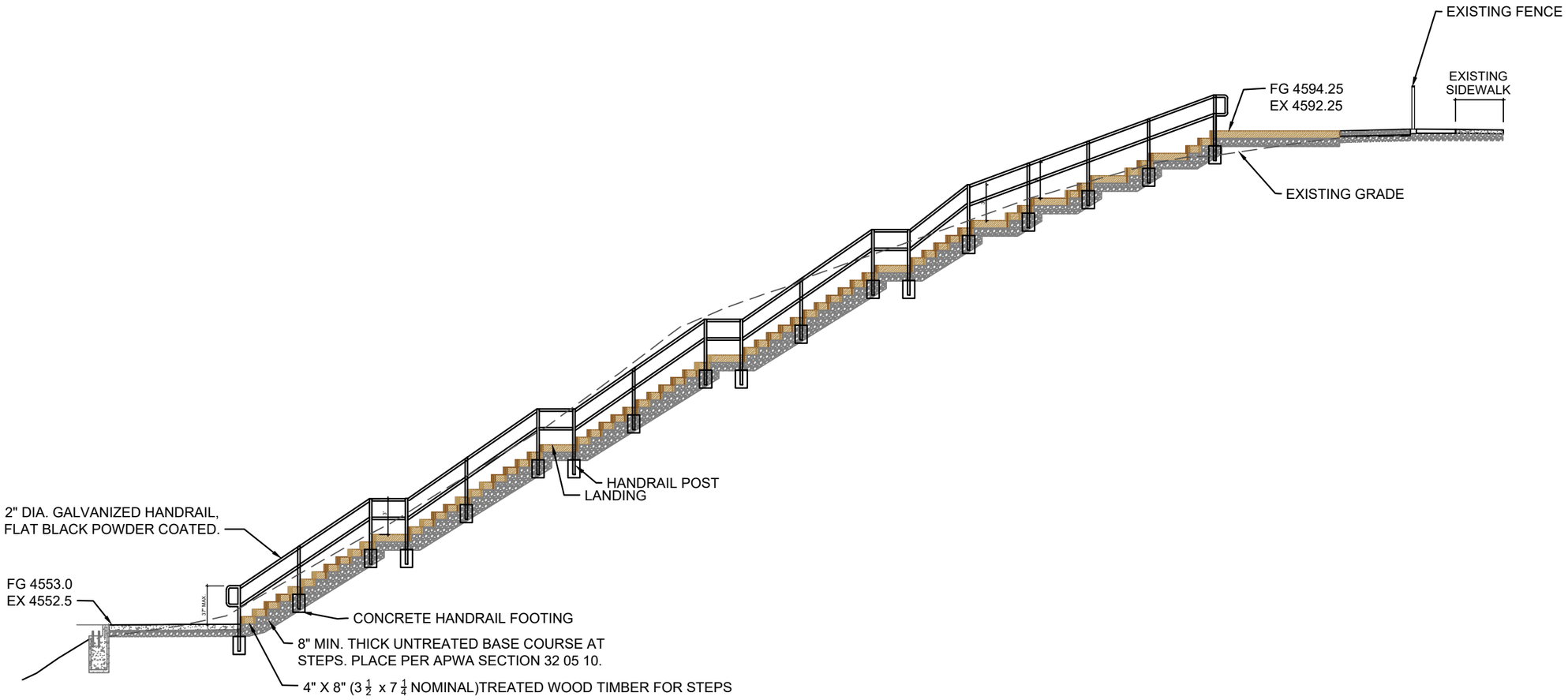
SHEET IDENTIFIER:

DT 504

BINDING ORDER - OF -



PLAN VIEW



PROFILE VIEW

A 6' WIDE WOOD TIMBER STAIRS WITH METAL HANDRAIL

1" = 10'

PREPARER:

BIO-WEST

PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

100% REVIEW
NOT FOR CONSTRUCTION

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GENERAL

1. ALL DESIGN, CONSTRUCTION, AND INSPECTION SHALL BE IN CONFORMANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND REFERENCED STANDARDS.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.

3. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.

4. DRAWINGS INDICATE THE FINISHED PRODUCT. THEY DO NOT INDICATE A METHOD OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH PRECAUTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, ETC.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING THE OWNER FOR ANY CHANGES MADE AS A RESULT OF A DEVIATION FROM THE CONTRACT DOCUMENTS, DEVIATION FROM THE SPECIFICATIONS, FAULTY MATERIALS, OR FAULTY WORKMANSHIP.

6. OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED DESIGN CHANGES. COST ASSOCIATED WITH ANY DESIGN WORK INITIATED BY THE OPTION SHALL BE BORN BY THE CONTRACTOR.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.

8. TEMPORARY SHORING AND BRACING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED INCLUDING WIND. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETE.

9. DURING AND AFTER CONSTRUCTION THE CONTRACTOR AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOADS.

10. THE GENERAL CONTRACTOR SHALL HAVE SHOP DRAWINGS REVIEWED BY THE ENGINEER PRIOR TO FABRICATION OR ERECTION.

11. ALL DETAILS, SECTIONS, AND NOTES ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS UNLESS NOTED OR SHOWN OTHERWISE.

12. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION NOT COVERED ON THE DRAWINGS.

13. OBSERVATION VISITS TO THE JOB SITE BY THE OWNER, ENGINEER OR FIELD REPRESENTATIVES OF THE ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.

14. SIZES, LOCATIONS, AND ANCHORAGE'S OF EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH EQUIPMENT MANUFACTURERS (SUPPLIERS) PRIOR TO PLACING CONCRETE OR FABRICATING STEEL.

15. ACCESS TO THE SITE SHALL BE COORDINATED BY THE CONTRACTOR THROUGH THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS CHURCH PARKING LOT AS INDICATED ON THE SITE LOCATION PLAN. CONTACT: BEN WAGNER (FACILITIES MANAGER) AT (801)-273-3800.

16. LIMITED PROJECT STAGING MAY BE ALLOWED IN THE PARKING LOT OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY-SAINTS ON THE SOUTH SIDE OF THE BUILDING. LOCATION, SIZE, AND DURATION OF STAGING TO BE COORDINATED WITH THE CHURCH REPRESENTATIVE.

17. ANY DAMAGE TO CHURCH FACILITIES RELATED TO ACCESS OR USE BY THE CONTRACTOR SHALL BE RESTORED/REPAIRED AT CONTRACTORS EXPENSE.

STRUCTURAL DESIGN LOADS

THE FOLLOWING STRUCTURAL DESIGN LOADS APPLY U.N.O.:

AISC DESIGN LOADS
LIVE LOAD . . . . . .L = 60 PSF (NON-REDUCIBLE)
VEHICLE LOAD . . . . . .L = 4000 LBS

SNOW LOAD:
GROUND SNOW LOAD. . . . . .Pg = 43 PSF

WIND:
BASIC WIND SPEED . . . . . .V = 115 MPH
WIND IMPORTANCE FACTOR. . . . . .Iw = 1.00
WIND EXPOSURE. C

SEISMIC :
OCCUPANCY CATEGORY. II
SOIL SITE CLASS. . . . . D
SEISMIC IMPORTANCE FACTOR. . . . . I_E = 1.00
SPECTRAL RESPONSE ACCELERATION. . . . . S_S = 1.430
SPECTRAL RESPONSE ACCELERATION. . . . . S_1 = 0.490
SPECTRAL RESPONSE COEFFICIENT . . . . . S_{DS} = 1.033
SPECTRAL RESPONSE COEFFICIENT . . . . . S_{D1} = 0.753

FOOTINGS

1. FOOTING ELEVATIONS SHOWN ON PLANS ARE TOP OF FOOTINGS AND ARE MINIMUM DEPTH. DIFFERENT OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ENGINEER.

2. FOOTINGS SHALL BEAR AT A MINIMUM DEPTH OF 30" BELOW FINISHED GRADE.

3. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

4. ANY SOIL CONDITION ENCOUNTERED DURING EXCAVATION THAT IS CONTRARY TO THE CONDITIONS USED FOR DESIGN OF FOOTINGS, OR ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.

5. ALL FOOTING EXCAVATIONS SHALL BE EXAMINED BY THE ENGINEER FOR VERIFICATION OF ADEQUATE BEARING CONDITIONS BEFORE PLACING CONCRETE.

6. COMPACT IMPORTED GRANULAR BORROW UNDER FOOTINGS AS REQUIRED TO AT LEAST 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY (MODIFIED PROCTOR) ASTM D1557.

7. FOUNDATION SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY GSH, DATED JANUARY 20, 2022.

8. ALLOWABLE BEARING CAPACITY = 2500 PSF.

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PREPARER CONSULTANTS:
FORSGREN Associates Inc
PROFESSIONAL SEAL:

PROJECT IDENTIFICATION:
1743 ROSECREST LANDSCAPE IMPROVEMENT PROJECT

PROJECT OWNER:
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ENGINEERING
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DRAWING FILE:
DRAWN BY: M.MONTGOMERY
CHECKED BY: K.DANA
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SHEET TITLE:
STRUCTURAL NOTES

SHEET IDENTIFIER:
S000

BINDING ORDER 1

CONCRETE

1. ALL CONCRETE SHALL MEET THE REQUIREMENTS OF ACI-301, “SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS.” PROPORTIONING OF INGREDIENTS FOR EACH CONCRETE MIX SHALL BE BY METHOD 2 OR THE ALTERNATE PROCEDURE GIVEN IN ACI-301. PLACE CONCRETE PER ACI-304 AND CONFORM TO ACI-604 (306) FOR COLD WEATHER PLACEMENT AND ACI-605 (305) FOR HOT WEATHER PLACEMENT, USE INTERIOR MECHANICAL VIBRATORS WITH 7,000 RPM MINIMUM FREQUENCY. DO NOT OVER-VIBRATE. CONCRETE SHALL BE PLACED MONOLITHICALLY BETWEEN CONSTRUCTION AND CONTROL JOINTS. PROTECT ALL CONCRETE FROM PREMATURE DRYING, EXCESSIVE HOT OR COLD TEMPERATURE FOR SEVEN DAYS AFTER PLACING.

2. STRENGTH
   TWENTY-EIGHT DAY COMPRESSIVE STRENGTH SHALL BE:
   4000 PSI
   SLUMP: 4 INCH + 1 INCH.
   MAX. WATER/CEMENT RATIO: 0.45

3. STRUCTURAL CONCRETE EXPOSURE CLASS: F2

4. MATERIALS
   CEMENT: ASTM 150, TYPE I.
   COARSE AND FINE AGGREGATE: ASTM C33.
   WATER SHALL BE CLEAN AND POTABLE.

5. ADMIXTURES

   WATER REDUCING ADMIXTURE: ASTM C494, ADMIXTURES SHALL BE USED IN EXACT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

   SYNERGIZED PERFORMANCE SYSTEMS: CONCRETE USING ADMIXTURES TO PRODUCE FLOWABLE CONCRETE MAY BE USED SUBJECT TO ENGINEER'S APPROVAL.

6. AIR ENTRAIMENT:ASTM C260 AND ASTM C494, ENTRAIN 6% PLUS/MINUS 1 1/2% BY VOLUME IN ALL EXPOSED CONCRETE.

7. NO OTHER ADMIXTURE PERMITTED UNLESS APPROVED BY THE ENGINEER OF RECORD.

8. A STATEMENT OF MIX DESIGN FOR ALL CONCRETE SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER PRIOR TO COMMENCING WORK.

9. ALL CONCRETE WORK SHALL BE PLACED, CURED, STRIPPED, AND PROTECTED AS DIRECTED BY THE SPECIFICATIONS AND ACI STANDARDS AND PRACTICES.

10. BEFORE CONCRETE IS POURED CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, BOLTS, INSERTS, ETC. RELATIVE TO WORK.

11. REFER TO DRAWINGS FOR TYPICAL CONSTRUCTION JOINT DETAILS. UNLESS NOTED IN DRAWINGS, ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH JOINTS AND EACH CONSTRUCTION JOINT SHALL BE KEYED.

12. CONTRACTOR SHALL SUBMIT A PLACEMENT PLAN FOR REVIEW INCLUDING ALL ITEMS EMBEDDED IN CONCRETE, ALL CONCRETE PENETRATIONS, AND PROCESSES FOR DELIVERY AND PLACEMENT.

REINFORCING STEEL

1. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH BP-66(04): ACI DETAILING MANUAL - 2011 AND ACI 318-14.

2. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 AND ASTM A185.

3. ALL REINFORCEMENT SHALL BE SECURELY TIED AND HELD IN PLACE.

4. REINFORCING BARS THAT ARE TO BE WELDED, INCLUDING DEFORMED BAR ANCHORS (D.B.A.) SHALL COMPLY WITH ASTM A706 OR ANOTHER APPROVED WELDABLE GRADE AND SHALL BE WELDED IN ACCORDANCE WITH THE A.W.S. RECOMMENDATIONS.

5. ALL CONTINUOUS REINFORCEMENT SHALL TERMINATE WITH A 90 DEG. TURN OR A SEPARATE CORNER BAR. ALL SPLICES IN CONCRETE SHALL LAP THE LISTED LAP LENGTH.

6. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
   B. ALL OTHER CONCRETE: 2"

7. PRIOR TO FABRICATION AND PLACEMENT, SHOP DRAWINGS FOR ALL REINFORCING STEEL SHALL BE REVIEWED BY THE ENGINEER.

8. ALL BENDS, UNLESS OTHERWISE SHOWN, SHALL BE A 90 DEGREE STANDARD HOOK. REFER TO STANDARD CONCRETE HOOK DETAILS.

9. UNLESS INDICATED OTHERWISE, CONTRACTOR MAY SPLICE CONTINUOUS SLAB OR LONGITUDINAL BEAM BARS AT LOCATION OF HIS CHOOSING, EXCEPT THAT TOP BAR SPLICES SHALL BE LOCATED AT MIDSPAN AND BOTTOM BAR SPLICES SHALL BE LOCATED AT SUPPORTS. STAGGER SPLICES IN HORIZONTAL WALL BARS SO THAT NO TWO ADJACENT BARS IN THE SAME OR OPPOSITE CURTAIN ARE SPLICED AT THE SAME LOCATION. ALL REINFORCEMENT BENDS AND LAPS, UNLESS OTHERWISE NOTED, SHALL SATISFY THE REQUIREMENTS OF THE STD. CONCRETE HOOK SCHEDULE AND THE CONCRETE REINFORCEMENT LAP AND DEVELOPMENT SCHEDULES.

FORM WORK

1. FOLLOW RECOMMENDED PRACTICE FOR CONCRETE FORMWORK (ACI-347).

2. ALL SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMWORK SUPPORTS AND SHORING SHALL BE DESIGNED TO PROVIDE FINISHED CONCRETE SURFACES OF ALL FACES LEVEL, PLUMB, AND TRUE TO THE DIMENSIONS AND ELEVATIONS SHOWN. TOLERANCES AND VARIATIONS SHALL BE AS SPECIFIED.

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PREPARER CONSULTANTS:

FORSGREN Associates Inc

PROFESSIONAL SEAL:

PROJECT IDENTIFICATION:

1743 ROSECREST LANDSCAPE IMPROVEMENT PROJECT

PROJECT OWNER:

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CHECKED BY: K.DANA

SHEET TITLE:

STRUCTURAL NOTES

SHEET IDENTIFIER:

S001

BINDING ORDER 2

SHOP DRAWINGS

SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER OF RECORD FOR THE FOLLOWING:

1. PRE-ENGINEERED, PRE-MANUFACTURER STEEL BRIDGE
2. ANCHOR BOLTS
3. REINFORCING STEEL
4. CONCRETE MIX DESIGN
5. CONCRETE PLACEMENT PLAN
6. EQUIPMENT, FALSEWORK/SHORING AND PLACEMENT PLAN FOR SPLICING AND SLIDING THE BRIDGE

ANCHOR BOLTS

1. CONCRETE ANCHOR RODS SHALL MEET THE QUALITY OF ASTM F1554 GRADE 36 KSI, GALVANIZED (ASTM A153, CLASS C) RODS AND SHALL HAVE A STANDARD BOLT HEAD OR AN EQUAL DEFORMITY IN THE EMBEDDED PORTION.

POST-INSTALLTED ANCHORS

1. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.

2. ANCHORAGE TO CONCRETE

   ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
   HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD PER ICC ESR-3187.

3. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

4. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

5. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

MATERIALS TESTING

A. CONCRETE TESTS: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172 SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:

1. TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YD. , BUT LESS THAN 25 CU. YD. PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF.

   a. IF THE TOTAL VOLUME OF CONCRETE ON A GIVEN STRUCTURE IS SUCH THAT THE FREQUENCY OF TESTING WILL PROVIDE LESS THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.

2. SLUMP: ASTM C 143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.

3. AIR CONTENT: ASTM C 231, PRESSURE METHOD, FOR NORMAL-WEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.

4. CONCRETE TEMPERATURE: ASTM C 1064/C 1064M; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW AND WHEN 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE

5. UNIT WEIGHT: ASTM C 567, FRESH UNIT WEIGHT OF STRUCTURAL LIGHTWEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.

6. COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M.

   a. CAST AND LABORATORY CURE THREE SETS OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.

   b. CAST AND FIELD CURE THREE SETS OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.

7. COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 7 DAYS, TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 14 DAYS, AND ONE SET OF TWO SPECIMENS AT 28 DAYS.

   a. TEST ONE SET OF TWO FIELD-CURED SPECIMENS AT 7 DAYS, ONE SET OF TWO FIELD-CURED SPECIMENS AT 14 DAYS, AND ONE SET OF TWO SPECIMENS AT 28 DAYS.

   b. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT AGE INDICATED.

B. COMPACTION TESTING:

1. 8" MAXIMUM LIFTS ON IMPORTED GRANULAR BACKFILL BORROW AS REQUIRED.

2. PROVIDE A MINIMUM OF (1) DENSITY TEST PER LIFT AT EACH BRIDGE FOOTING.

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PROFESSIONAL SEAL:

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STRUCTURAL NOTES

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S002

BINDING ORDER 3

SECTION 1704.2.5 FABRICATORS

APPROVED FABRICATOR - YES
FABRICATORS NAME:CONTECH, PIONEER BRIDGE, WHEELER BRIDGE, US BRIDGE, BRIDGE BROTHERS. OTHER MANUFACTURERS SHALL BE APPROVED BASED ON EXPERIENCE BY THE ENGINEER
FABRICATOR'S PLANT LOCATION:
REQUIRED IN-PLANT INSPECTIONS: NONE.

SECTION 1705.3 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	--	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. INSPECT ANCHORS CAST IN CONCRETE.	--	X	ACI 318:17.8.2	--
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 3.a.	X --	-- X	ACI 318:17.8.2.4 ACI 318: 17.8.2	-- --
4. VERIFYING USE OF REQUIRED DESIGN MIX.	--	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--	ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1908.10
6. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	--	ACI 318: 26.5	1908.6, 1908.7, 1908.8
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X	ACI 318: 26.5.3-26.5.5	1908.9
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	--	X	ACI 318: 26.11.1.2(b)	--

QUALITY ASSURANCE PLAN

1. SPECIAL INSPECTION SHALL BE PROVIDED ACCORDING TO IBC CHAPTER 17 FOR THE ITEMS IDENTIFIED IN THIS SECTION AND ON THE CONTRACT DOCUMENTS.
2. THE NAMES AND CREDENTIALS OF SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A BUILDING PERMIT.
3. SPECIAL INSPECTION REPORTS SHALL BE DELIVERED TO THE OWNER BI-WEEKLY OR MORE FREQUENTLY AS REQUIRED BY THE INSPECTOR OR BUILDING OFFICIAL.
4. OFF-SITE FABRICATION: WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATORS SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.2.5 UNLESS THE FABRICATOR IS APPROVED ACCORDING TO IBC SECTION 1704.2.5.1.
5. CONCRETE CONSTRUCTION: SPECIAL INSPECTIONS AND VERIFICATIONS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 1705.3.
6. SOILS: SPECIAL INSPECTION SHALL BE PROVIDED FOR PLACEMENT OF FILL 12 INCHES OR MORE DEEP IN ACCORDANCE WITH SECTION 1705.6.
7. EPOXY ANCHORS: PRIOR TO AND DURING EPOXY INJECTION TO INSURE PROPER INSTALLATION AS PER MANUFACTURERS REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED EPOXY MANUFACTURERS I.C.B.O. REPORT TO ENGINEER PRIOR TO INSTALLATION.

QUALITY ASSURANCE CONTRACTOR RESPONSIBILITY

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT IN ACCORDANCE WITH IBC SECTION 1704.4. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

A. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

B. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.

C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.

D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THE POSITION(S) IN THE ORGANIZATION.

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S003

BINDING ORDER 4

SECTION 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	--	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	--	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	--	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	--
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	--	X

RECOMMENDED END HOOKS					
BAR SIZE	D	180° HOOKS		90° HOOKS	HOOK EMBED DEPTH
		A	B	A	
#3	2¼"	5"	3"	6"	8"
#4	3"	6"	4"	8"	10"
#5	3¾"	7"	5"	10"	13"
#6	4½"	8"	6"	1'-0"	16"

STD. CONCRETE HOOK SCHEDULE

(IN ACCORDANCE WITH ACI 318-14)

NOTE: EMBED BARS WITH HOOKS TO THE DEPTH SHOWN.

D = 6d FOR #3 THROUGH #8
D = 8d FOR #9, #10 AND #11
D = 10d FOR #14 AND #18

ALL GRADES OF STEEL (MIN. YIELD STRENGTHS)
D = FINISHED INSIDE BEND DIAMETER
d = BAR DIAMETER

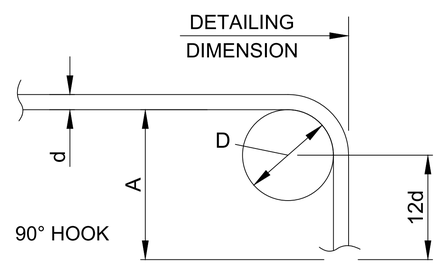
REINFORCEMENT LAP LENGTHS				
CONCRETE DESIGN STRENGTH - 4000 PSI				
BAR SIZE	#3	#4	#5	#6
TOP BAR	1'-7"	2'-1"	2'-7"	3'-1"
OTHER BAR	1'-3"	1'-7"	2'-0"	2'-5"

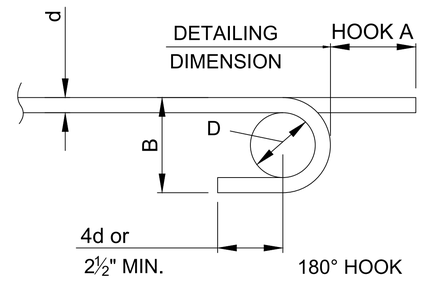
NOTES:

1. ALL REINFORCEMENT LAPS, UNLESS OTHERWISE NOTED, SHALL SATISFY THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE "REINFORCEMENT LAP LENGTHS."

2. TOP BARS SHALL BE DEFINED AS ANY HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR, IN ANY SINGLE POUR. HORIZONTAL WALL BARS ARE CONSIDERED TOP BARS.

CONCRETE REINFORCEMENT LAP & DEVELOPMENT SCHEDULES





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PREPARER CONSULTANTS:

FORSGREN Associates Inc.

PROFESSIONAL SEAL:

PROJECT IDENTIFICATION:

1743 ROSECREST LANDSCAPE IMPROVEMENT PROJECT

PROJECT OWNER:

SALT LAKE CITY CORPORATION
ENGINEERING
349 South 200 East, Suite 100
Salt Lake City, Utah 84114-5506
Phone: (801)535-6157

MARK	DATE	DESCRIPTION

PREPARER #:
CONTRACT #:
PROJECT #: 300124
FILE #:
DRAWING FILE:
DRAWN BY: M.MONTGOMERY
CHECKED BY: K.DANA

SHEET TITLE:

STRUCTURAL NOTES

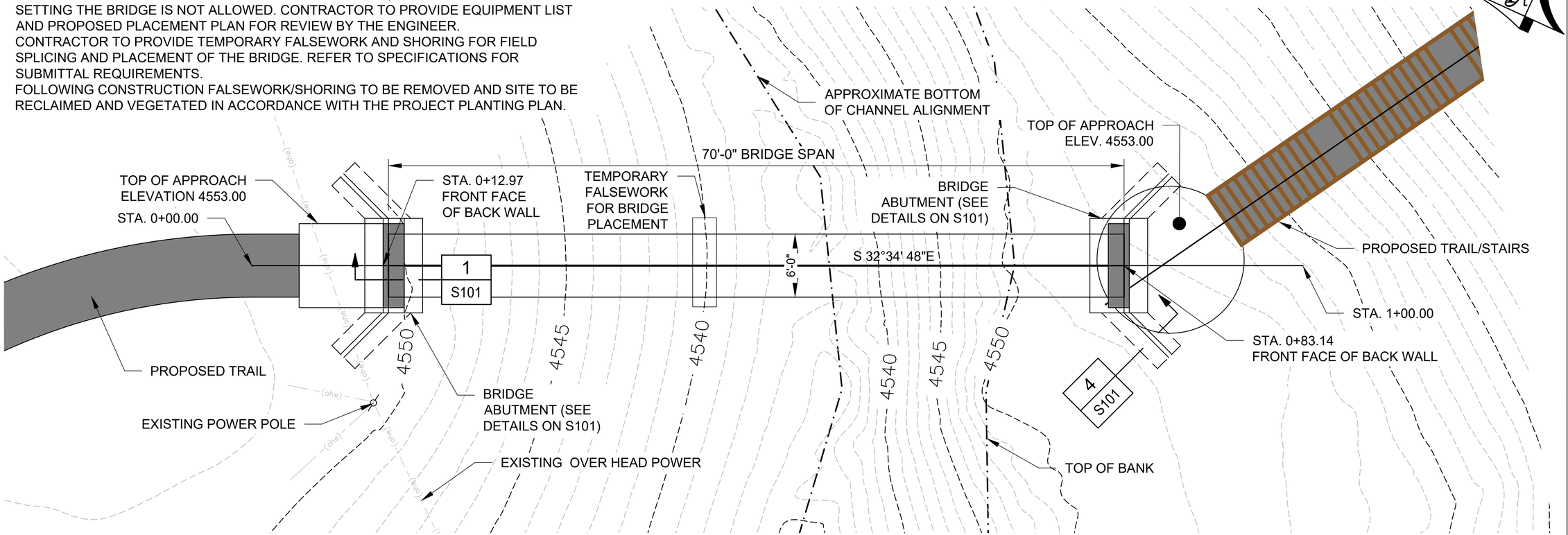
SHEET IDENTIFIER:

S004

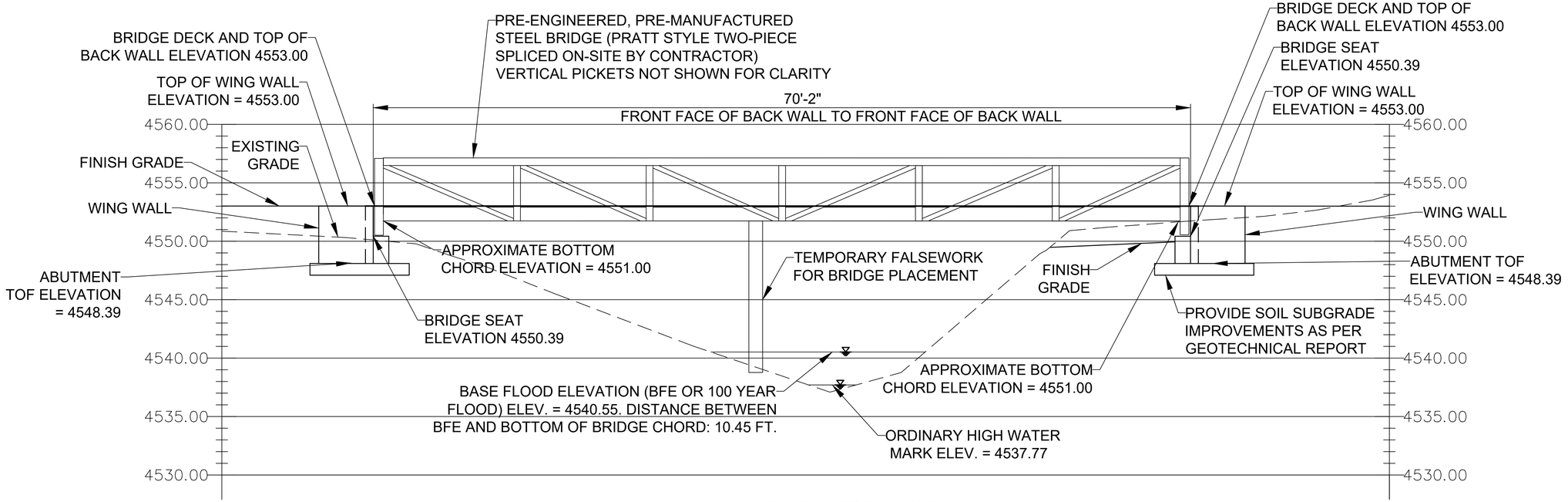
BINDING ORDER 5

CONSTRUCTION NOTES:

1. DUE TO THE PROXIMITY OF THE OVERHEAD POWER LINE, THE USE OF A CRANE FOR SETTING THE BRIDGE IS NOT ALLOWED. CONTRACTOR TO PROVIDE EQUIPMENT LIST AND PROPOSED PLACEMENT PLAN FOR REVIEW BY THE ENGINEER.
2. CONTRACTOR TO PROVIDE TEMPORARY FALSEWORK AND SHORING FOR FIELD SPLICING AND PLACEMENT OF THE BRIDGE. REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
3. FOLLOWING CONSTRUCTION FALSEWORK/SHORING TO BE REMOVED AND SITE TO BE RECLAIMED AND VEGETATED IN ACCORDANCE WITH THE PROJECT PLANTING PLAN.



PLAN VIEW
NTS



ELEVATION VIEW
NTS

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PROJECT #: 300124
FILE #:
DRAWING FILE:
DRAWN BY: M.MONTGOMERY
CHECKED BY: K.DANA
COPYRIGHT:

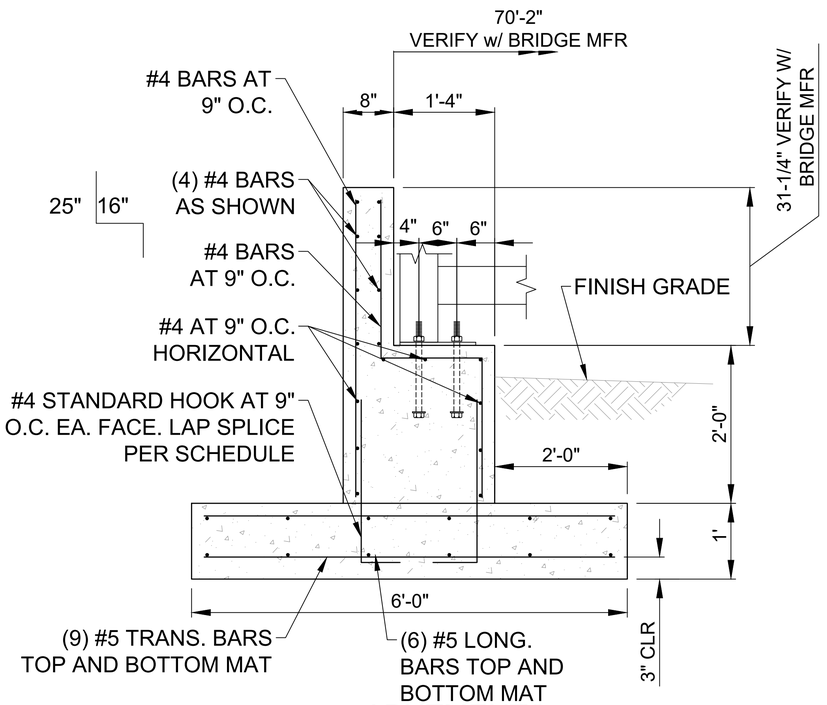
SHEET TITLE:

PEDESTRIAN BRIDGE

SHEET IDENTIFIER:

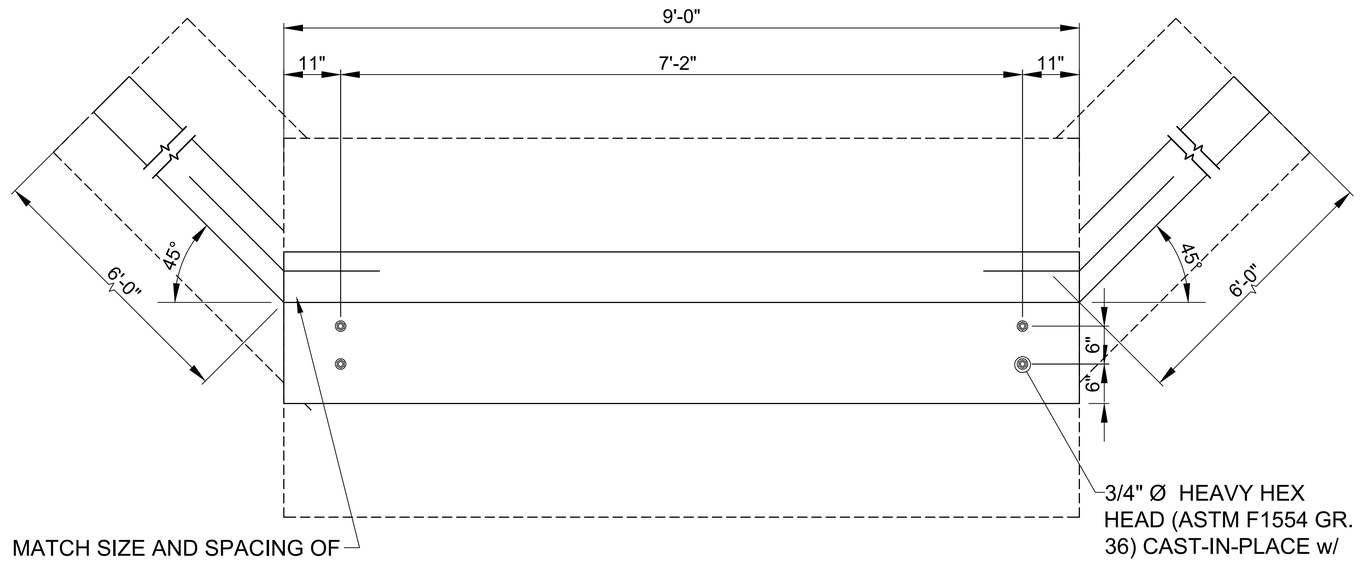
S100

BINDING ORDER 6



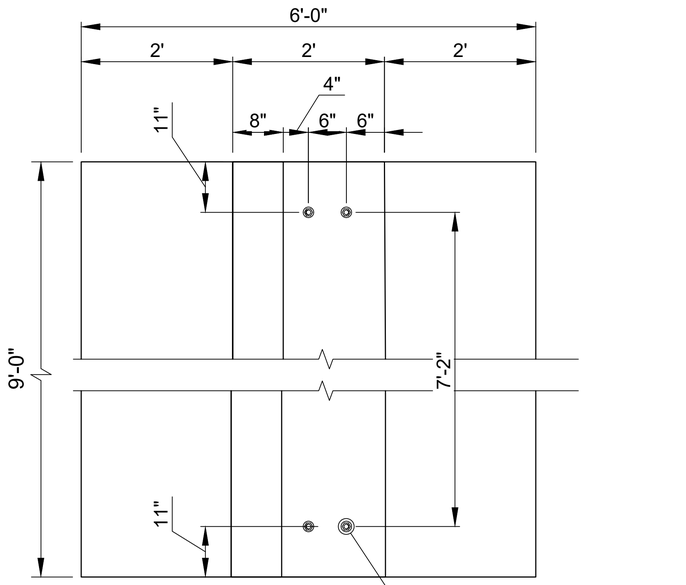
ABUTMENTS 1

SCALE: 1/2"=1'-0"



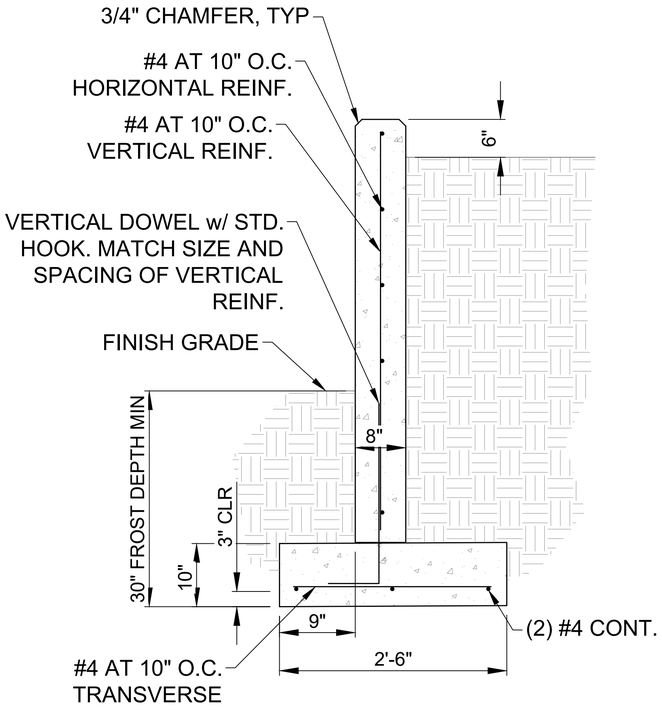
ABUTMENT WING WALLS 2

SCALE: 1/2"=1'-0"



ANCHOR BOLTS 3

SCALE: 1/2"=1'-0"



WING WALL 4

SCALE: 1/2"=1'-0"

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SHEET TITLE:

BRIDGE ABUTMENT DETAILS

SHEET IDENTIFIER:

S101

BINDING ORDER 7