division of
Facilities Construction
and Management

DFCM Addendum #1

Reference: Brigham City Rest Area Landscape Upgrades
DFCM Project #25108900
U3P Event #CS25010

Date: September 16, 2024

To: All Contractors

From: The Division of Facilities Construction and Management

Addendum Items

Solicitation Schedule Changes: N/A

DFCM Addendum Items: N/A

A/E Addendum Items: A/E Addendum #1 — 6 pages
Includes drawings

Total Attached Pages: 6

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Bidders are required to acknowledge receipt of this Addendum when their bid is submitted. Failure to do so may subject the Bidder to disqualification.

DESIGN WEST

ADDENDUM #01

date: 09.16.2024

project: Brigham City Rest Area Landscape Upgrades

by: Keni Althouse

subject: Addendum 01

This Addendum shall be considered part of the bid documents for the above-mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original bid documents. This Addendum shall govern and take precedence. ***Bidders Must acknowledge this addendum on their bids***.

Proposers are hereby notified that they shall make any necessary adjustments in their estimates as a result of this Addendum. It will be construed that each bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

Except as described below, the original bid documents remain unchanged. The bid documents are modified and/or clarified, As follows:

Items:

Clarification and changes to Bid Set include updates to demolition, site, details, and irrigation plans per submitted questions (Exhibit A).

C-001 – Demolition Plan

- Added note D-17: SAWCUT GUTTER
- Added note D-17 to each new curb cut location as well as note D-01: Sawcut curb.
- Added note D-17 to Add Alternate 1 around the storm drain box.

C-101 – Site Plan

- Added note 17: NEW CONCRETE GUTTER
- Added note 18: SUMP FOR DOG WATERING STATION – only install if add alternate #2 is not applied
- Added new hatch: "PATCH AND REPAIR ASPHALT"
- Added asphalt hatch and note 17 to Add Alternate 1 around the storm drain box.
- Added asphalt hatch and note 17 to each new curb cut location.
- Revised note 8 to add "PERPENDICULAR CURB" and added detail reference.
- Revised note 10 to clarify "CONCRETE PAD UNDERNEATH"
- Moved and revised note 13
- Updated quantities in legend

C-501 – Site Details

- Added details:
    - C1: Perpendicular curb ramp
    - D1: Sump
    - C2: Light pole base

L-201 – Irrigation Plan

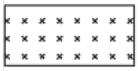
- Removed quick coupler
- Added Rain Bird PEB – Valve for Dog Watering Station
- Added Hose Bibb
- Updated schedule

Sheets:
Updated civil and landscape sheets

C-001 – Demolition Plan
C-101 – Site Plan
C-501 – Site Details
L-201 – Irrigation Plan

Response to Questions:

1. See notes D-01 and D-17 on C-001. See notes 6, 17, and patch and “patch and repair asphalt” hatch on sheet C-101. See detail C1 on sheet C-501.
2. See note D-17 on sheet C-001. See note 17 and “patch and repair asphalt” hatch on sheet C-101.
3. See the following hatch on sheet C-001:

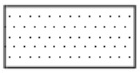


REMOVE TURF GRASS AND SALVAGE IRRIGATION - clear and grub, return all valves, rotor heads, and intact irrigation boxes to owner 26,724 sf

See the following hatch on L-201:

PRESERVE AND PROTECT EXISTING HEADS, REPLACE PIPE WITH PVC 14,017 sf

4. Anchor bolts for relocating light poles: Reuse existing anchor bolts if possible. If not, provide new anchor bolts of the same size. See detail C2/C-501 for light pole base detail.
5. See D-06 and D-13 on Sheet C-001.
6. No asphalt striping or curb painting will be part of this project.
7. See notes 13 and 18 on C-101. See D1/C-501 for sump detail (only install sump if add alternate 2 is not applied) See valve 5 on L-201. See legend for Rain Bird PEB – Valve for Dog Watering Station and Hose Bib.
8. See note 10 on C-101.
9. See detail C2/C-501 for light pole base detail.
10. See the following hatch on C-001:



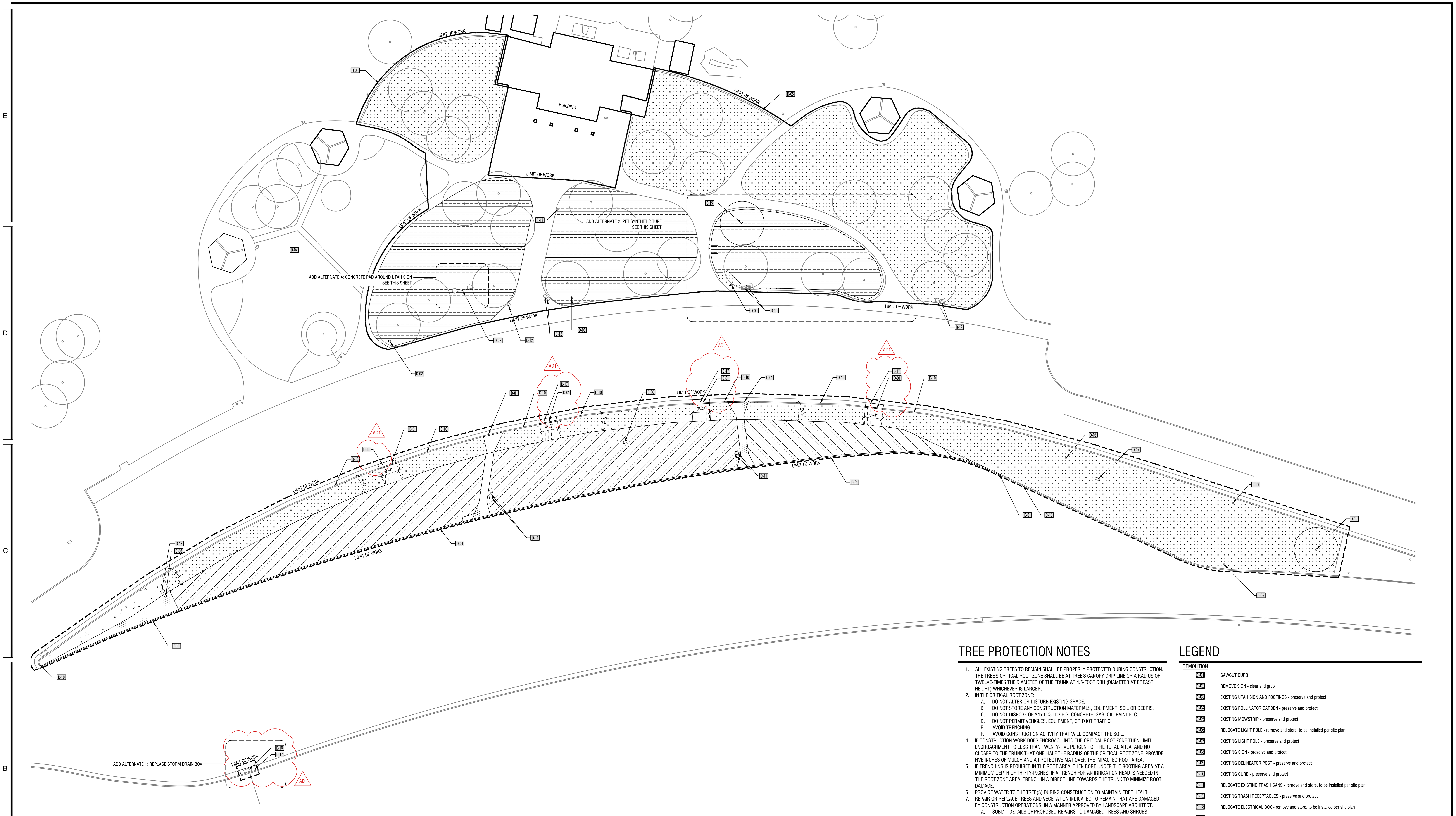
REMOVE CONCRETE - clear and grub 815 sf

11. See sheet C-001.
12. See sign-in sheet Exhibit B

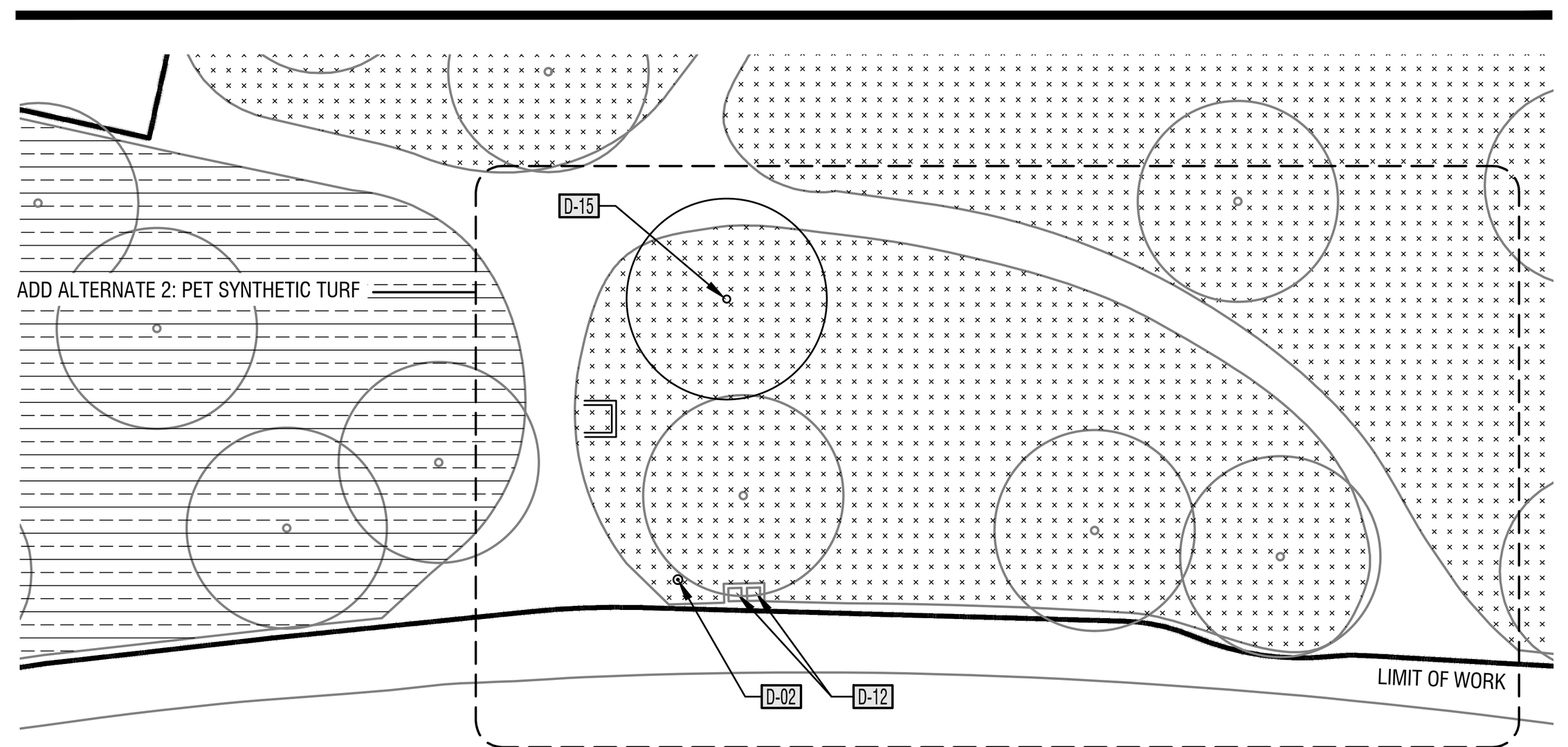
Keni Althouse 09.16.2024

ISSUED BY Date
Landscape Architect

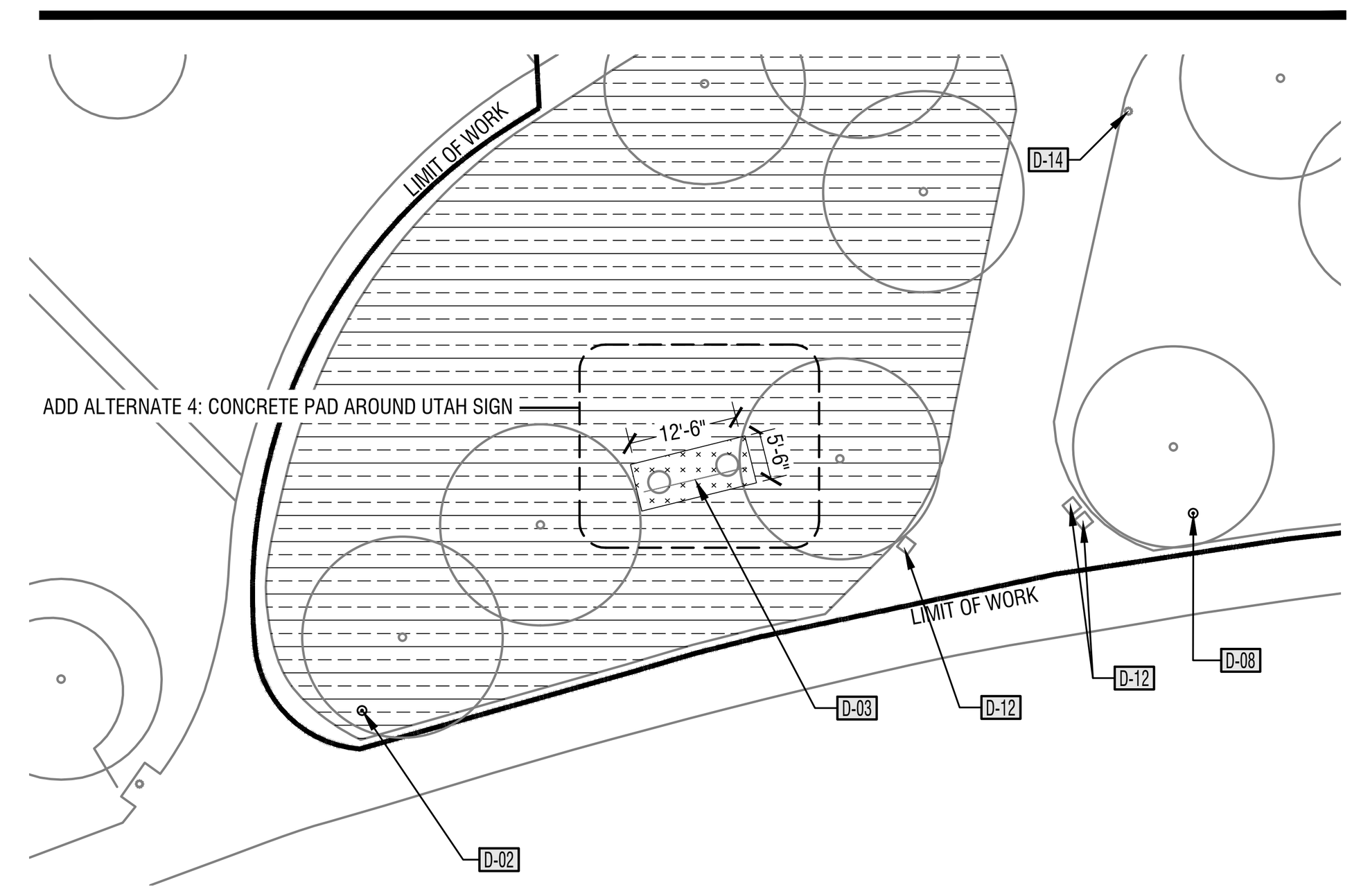
ACCEPTED BY Date
Contractor



ADD ALTERNATE 2 - PET SYNTHETIC TURF



ADD ALTERNATE 4: CONCRETE PAD AROUND UTAH SIGN



TREE PROTECTION NOTES

1. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. THE TREE'S CRITICAL ROOT ZONE SHALL BE AT TREE'S CANOPY DRIP LINE OR A RADIUS OF TWELVE-TIMES THE DIAMETER OF THE TRUNK AT 4.5-FOOT DBH (DIAMETER AT BREAST HEIGHT) WHICHEVER IS LARGER.
2. IN THE CRITICAL ROOT ZONE:
   A. DO NOT ALTER OR DISTURB EXISTING GRADE.
   B. DO NOT STORE ANY CONSTRUCTION MATERIALS, EQUIPMENT, SOIL OR DEBRIS.
   C. DO NOT DISPOSE OF ANY LIQUIDS E.G. CONCRETE, GAS, OIL, PAINT ETC.
   D. DO NOT PERMIT VEHICLES, EQUIPMENT, OR FOOT TRAFFIC
   E. AVOID TRENCHING.
   F. AVOID CONSTRUCTION ACTIVITY THAT WILL COMPACT THE SOIL.
4. IF CONSTRUCTION WORK DOES ENCROACH INTO THE CRITICAL ROOT ZONE THEN LIMIT ENCROACHMENT TO LESS THAN TWENTY-FIVE PERCENT OF THE TOTAL AREA, AND NO CLOSER TO THE TRUNK THAT ONE-HALF THE RADIUS OF THE CRITICAL ROOT ZONE. PROVIDE FIVE INCHES OF MULCH AND A PROTECTIVE MAT OVER THE IMPACTED ROOT AREA.
5. IF TRENCHING IS REQUIRED IN THE ROOT AREA, THEN BORE UNDER THE ROOTING AREA AT A MINIMUM DEPTH OF THIRTY-INCHES. IF A TRENCH FOR AN IRRIGATION HEAD IS NEEDED IN THE ROOT ZONE AREA, TRENCH IN A DIRECT LINE TOWARDS THE TRUNK TO MINIMIZE ROOT DAMAGE.
6. PROVIDE WATER TO THE TREE(S) DURING CONSTRUCTION TO MAINTAIN TREE HEALTH.
7. REPAIR OR REPLACE TREES AND VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT.
   A. SUBMIT DETAILS OF PROPOSED REPAIRS TO DAMAGED TREES AND SHRUBS.
   B. REPLACE TREES THAT CANNOT BE REPAIRED AND RESTORED TO FULL-GROWTH STATUS, AS DETERMINED BY A QUALIFIED ARBORIST.

LEGEND

DEMOLITION

D-01	SAWCUT CURB	
D-02	REMOVE SIGN - clear and grub	
D-03	EXISTING UTAH SIGN AND FOOTINGS - preserve and protect	
D-04	EXISTING POLLINATOR GARDEN - preserve and protect	
D-05	EXISTING MOWSTRIP - preserve and protect	
D-06	RELOCATE LIGHT POLE - remove and store, to be installed per site plan	
D-07	EXISTING LIGHT POLE - preserve and protect	
D-08	EXISTING SIGN - preserve and protect	
D-09	EXISTING DELINEATOR POST - preserve and protect	
D-10	EXISTING CURB - preserve and protect	
D-11	RELOCATE EXISTING TRASH CANS - remove and store, to be installed per site plan	
D-12	EXISTING TRASH RECEPTACLES - preserve and protect	
D-13	RELOCATE ELECTRICAL BOX - remove and store, to be installed per site plan	
D-14	EXISTING WATER SPIGOT - preserve and protect	
D-15	REMOVE TREE - clear and grub	
D-16	REMOVE STORM DRAIN BOX (ADD ALTERNATE 1)	
D-17	SAWCUT GUTTER (AD1)	
	REMOVE TURF GRASS AND SALVAGE IRRIGATION - clear and grub, return all valves, rotor heads, and intact irrigation boxes to owner	27,382 sf
	EXISTING TURF GRASS AND IRRIGATION - preserve and protect	20,981 sf
	REMOVE CONCRETE - clear and grub	744 sf
	EXISTING CONCRETE - preserve and protect	521 sf
	REMOVE MEDIAN TO PREPARE FOR NEW ASPHALT PAVING AND CURB - clear and grub	9,605 sf
	REMOVE MEDIAN TO PREPARE FOR NEW CONCRETE PAVING AND CURB - clear and grub	341 sf

TREES

EXT	51	Existing Tree / to Remain	Existing

DEMOLITION NOTES

1. REMOVE OBSTRUCTIONS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
2. CUT MINOR ROOTS AND BRANCHES OF TREES INDICATED TO REMAIN IN A CLEAN AND CAREFUL MANNER WHERE SUCH ROOTS AND BRANCHES OBSTRUCT INSTALLATION OF NEW CONSTRUCTION.
3. GRIND STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS EXTENDING TO A DEPTH OF 18 INCHES BELOW EXPOSED SUBGRADE.
4. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 8-INCH LOOSE DEPTH, AND COMPACT EACH LAYER TO A DENSITY EQUAL TO ADJACENT GROUND.
5. STRIP SUITABLE TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
6. STOCKPILE SURPLUS TOPSOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE OR AT LOCATION SHOWN ON PLANS.
7. REMOVE EXISTING ABOVE- AND BELOW-GRADE STRUCTURES AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION.
8. PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, EXISTING VEGETATION, ETC. THAT ARE TO REMAIN. REPAIR ANY DAMAGES THAT MAY OCCUR TO EXISTING ITEMS TO BE PROTECTED.
9. ALL ITEMS TO BE REMOVED FROM THE PROJECT AND EXCESS MATERIALS SHALL BE LEGALLY DISPOSED OF OFFSITE BY THE CONTRACTOR
10. CONTINUOUSLY CLEAN-UP AND REMOVE WASTE MATERIALS FROM SITE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
11. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.
12. FINISH GRADE AFTER CLEARING NEEDS TO BE 4 INCHES BELOW ADJACENT SIDEWALK.

IRRIGATION DEMOLITION NOTES

1. THE CONTRACTOR SHALL OBTAIN AND USE AS-BUILT PLANS IN THE DEMOLITION AND RECONFIGURATION OF THE IRRIGATION SYSTEM. COORDINATE WITH AND OBTAIN INFORMATION FROM THE GROUNDS PERSONNEL ON THE EXISTING IRRIGATION COMPONENTS TO BE REMOVED.
2. COORDINATE THE REMOVAL OF IRRIGATION SYSTEM WITH ALL OTHER SITE DEMOLITION ACTIVITIES.
2. FIELD VERIFY LOCATION OF IRRIGATION EQUIPMENT SHOWN ON PLAN WITH INSTALLED EQUIPMENT IN THE FIELD. MAKE ADJUSTMENTS TO PLAN AS NECESSARY TO CREATE A FUNCTIONAL SYSTEM. RECORD ANY CHANGES FROM PROPOSED PLAN FOR INCLUSION IN AS-BUILT.
3. FIELD LOCATE THE IRRIGATION MAIN AND LATERAL LINES. CUT AND CAP MAIN LINES AND LATERAL LINES AS REQUIRED. MARK THE LOCATION OF THE CUT MAINLINES AND LATERAL LINES IN THE FIELD AND ON PLANS FOR FUTURE RECONFIGURATION.
4. SALVAGE ALL IRRIGATION REMOTE CONTROL VALVES, SPRAY HEADS, ISOLATION VALVE, MANUAL DRAINS, ETC. AND RETURN THEM TO THE OWNER FOR FUTURE REINSTALLATION AS NECESSARY.
5. CUT IRRIGATION WIRES AT EDGE OF THE DEMOLITION AND PLACE THEM IN A 10" ROUND SPLICE BOX. RECORD THE LOCATION OF THE SPLICE BOX FOR FUTURE RECONNECTIONS TO THE CONTROLLER.

SCALE: 1" = 20'

NORTH

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

DFCM APPROVAL

BRIGHAM CITY REST AREA: SOUTHBOUND - LANDSCAPE UPGRADES

369 MILE MARKER
BRIGHAM CITY, UT 84302
UTAH DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DOCUMENTS

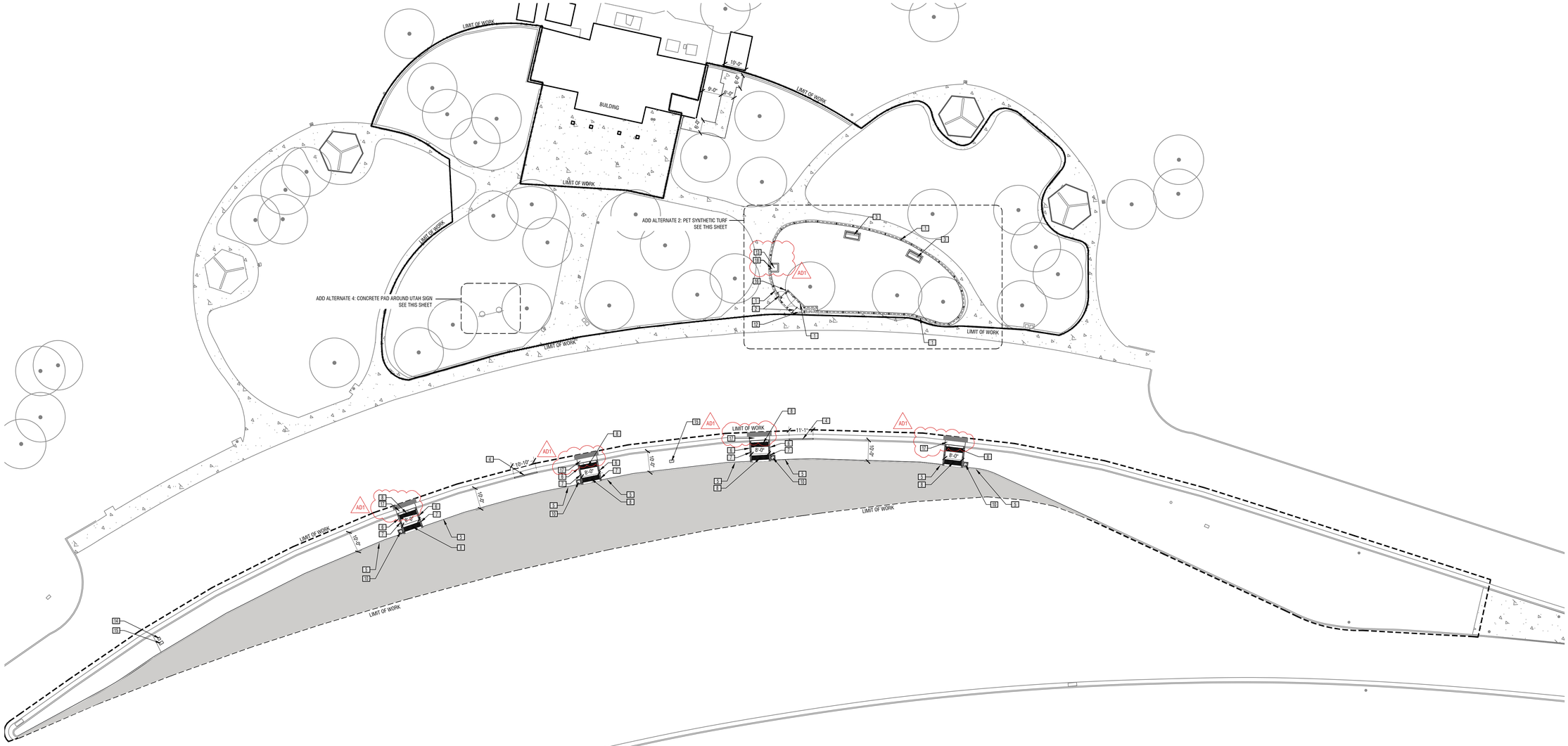
MARK:	DATE:	DESCRIPTION:
AD1	09.16.2024	ADDENDUM 1

PROJECT #: 823291
DRAWN BY: J. CLEMENTS
CHECKED BY: B. WRIGHT
ISSUED: 08.09.2024

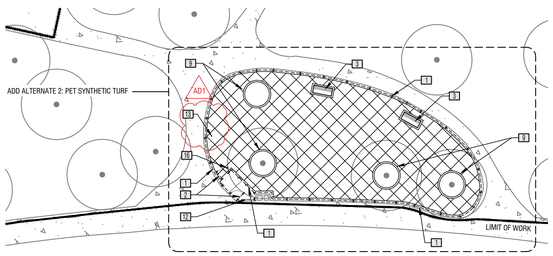
STATE OF UTAH
BLAKE C. WRIGHT
08.09.2024
105101-5301
LICENSED LANDSCAPE ARCHITECT

DEMOLITION PLAN

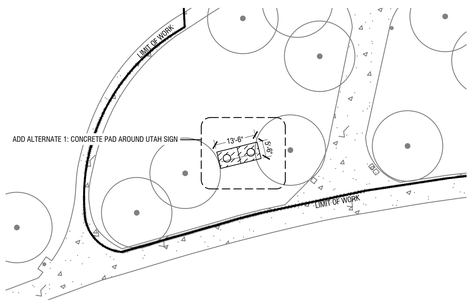
C-001



ADD ALTERNATE 2 - PET SYNTHETIC TURF



ADD ALTERNATE 4: CONCRETE PAD AROUND UTAH SIGN



LEGEND

SYMBOL	DESCRIPTION	QTY	DETAIL
1	4' TALL CHAINLINK FENCE - base bid: galvanized, add alternate 3: black vinyl coated		A2/C-S01
2	4' WIDE X 4' TALL CHAINLINK SINGLE GATE - base bid: galvanized, add alternate 3: black vinyl coated		A4/C-S01
3	6' BENCH - Summit Supply Co. Hi-Back Bench PR6HBB Brown, install per manufacturer's recommendations		A5/C-S01
4	6" x 6" CONCRETE CURB WITH GUTTER		B5/C-S01
5	6" x 6" CONCRETE CURB		B4/C-S01
6	8" x 6" CONCRETE CURB		A1/C-S01
7	HANDRAIL		C1/C-S01
AD1 8	PERPENDICULAR CURB WITH 24" WIDE DETECTABLE WARNING SURFACE		C5/C-S01
9	6" x 12" CONCRETE EDGING AROUND TREE		D4/C-S01
10	RELOCATED TRASH RECEPTACLE, CONCRETE PAD UNDERNEATH AD1		A6/C-S01
11	STORM DRAIN BOX		C2/C-S01
12	DOG PARK SIGN - secure to fence		D1/C-S01
13	DOG WATERING STATION - see irrigation plan for more information. AD1		C4/C-S01
14	RELOCATED ELECTRICAL BOX		B6/C-S01
15	RELOCATED LIGHT POLE		B6/C-S01
16	PET WASTE STATION AD1		B1/C-S01
17	NEW CONCRETE GUTTER		D5/C-S01
AD1 18	SUMP FOR DOG WATERING STATION WITH 6" CONCRETE MOWSTRIP - only install if add alternate #2 is not applied		
	SYNTHETIC TURF GRASS FOR PETS	2,944 sf	
	ASPHALT	10,477 sf	
AD1	PATCH AND REPAIR ASPHALT	116 sf	
	4" CONCRETE, ROUGH BROOM FINISH	711 sf	
	6" CONCRETE AROUND UTAH SIGN - add alternate 4	65 sf	

GENERAL NOTES

1. THE CONTRACTOR SHALL INSPECT THE SITE TO BE FULLY AWARE OF ALL PERTINENT EXISTING CONDITIONS PRIOR TO SUBMITTING BID OR PROPOSAL.
2. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE TO DETERMINE METHOD OF MAINTAINING PUBLIC ACCESS TO THE BUILDING DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN APPROVED ACCESS TO THE BUILDING THROUGHOUT THE DURATION OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY RAMPS, BARRIERS, ETC. AS REQUIRED TO MAINTAIN PUBLIC SAFETY.
3. PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY HIS WORK. THE CONTRACTOR SHALL PROTECT THOSE UTILITIES THAT ARE TO REMAIN AND BE RESPONSIBLE FOR THE REPAIR OF DAMAGES TO SUCH UTILITIES.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN CONSTRUCTION WORK BEGINS NEAR ANY UTILITY LINES AND ARRANGE FOR A UTILITY REPRESENTATIVE TO BE PRESENT IF THE CONTRACTOR'S CLOSE OPERATIONS COULD CREATE A HAZARDOUS CONDITION.
5. THE CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, ETC. THAT ARE TO REMAIN AND SHALL REPAIR ANY DAMAGE THAT MAY RESULT FROM THE WORK.
6. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES AND PERMITS AS REQUIRED BY UDOT AND NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.
7. THE LANDSCAPE AND IRRIGATION CONTRACTORS SHALL COORDINATE THEIR WORK WITH ANY OTHER CONTRACTORS AND TRADES WORKING ON THIS PROJECT. PROVIDE SLEEVES AS REQUIRED FOR DRAINAGE, IRRIGATION AND ELECTRICAL LINES, ETC. PRIOR TO PAVING AND LANDSCAPE WORK.
8. THE CONTRACTOR HAS THE RESPONSIBILITY OF VERIFYING ALL GRADES, ELEVATIONS, DIMENSIONS, MEASUREMENTS, CORNERS, CURBS AND ANGLES FOR WORK TO BE PERFORMED WITHIN THIS CONTRACT. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITION TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
9. THE CONTRACTOR IS RESPONSIBLE FOR ANY UNAUTHORIZED DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONSTRUCTION OPERATIONS AND SHALL RESTORE DAMAGED AREAS TO ORIGINAL CONDITION AT NO COST.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR YARD AND BUILDING CLEANUP AT THE COMPLETION OF WORK.

0 20 40 60 feet

SCALE: 1" = 20'

NORTH

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
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SALT LAKE CITY, UTAH
(801) 539-8221

DFCM APPROVAL

BRIGHAM CITY REST AREA: SOUTHBOUND - LANDSCAPE UPGRADES

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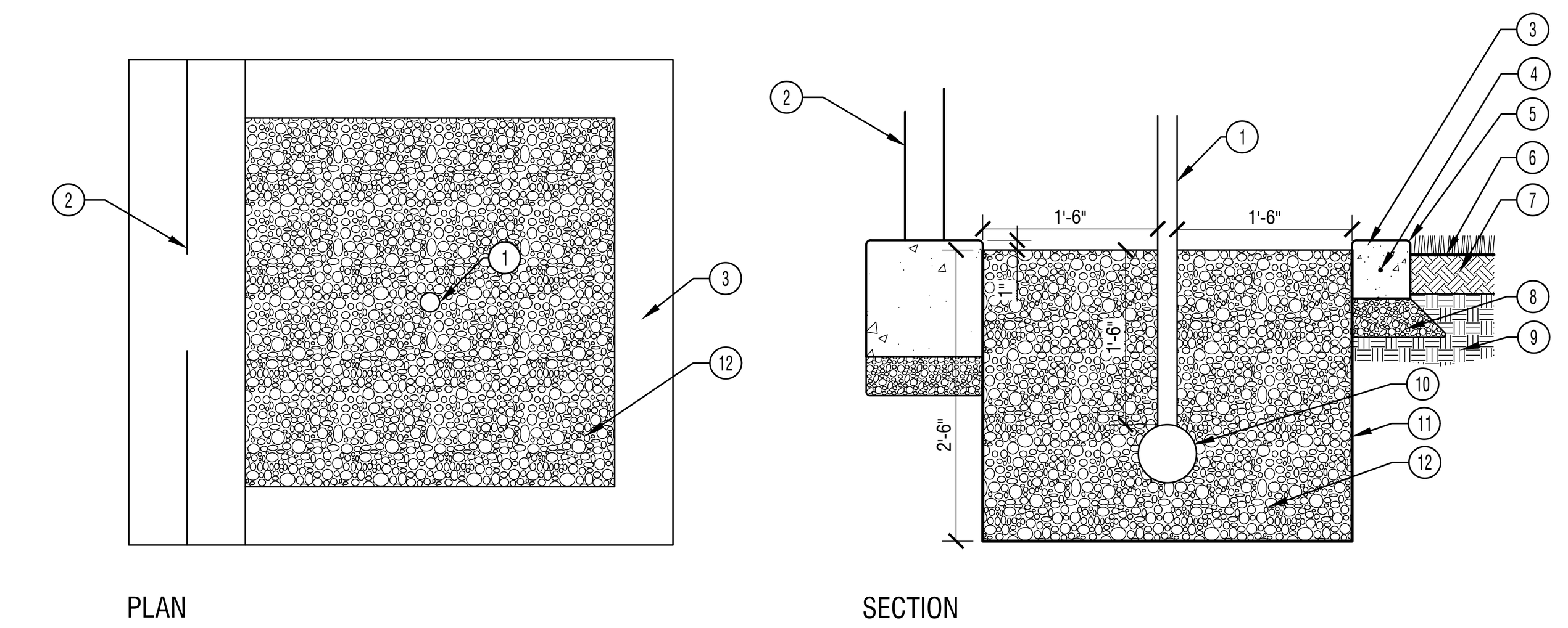
STATE OF UTAH
BLAKE C. WRIGHT
08.09.2024
LICENSED LANDSCAPE ARCHITECT
105101-5301

SITE PLAN

C-101

7/10/2019 3:26:59 PM

D1 SUMP



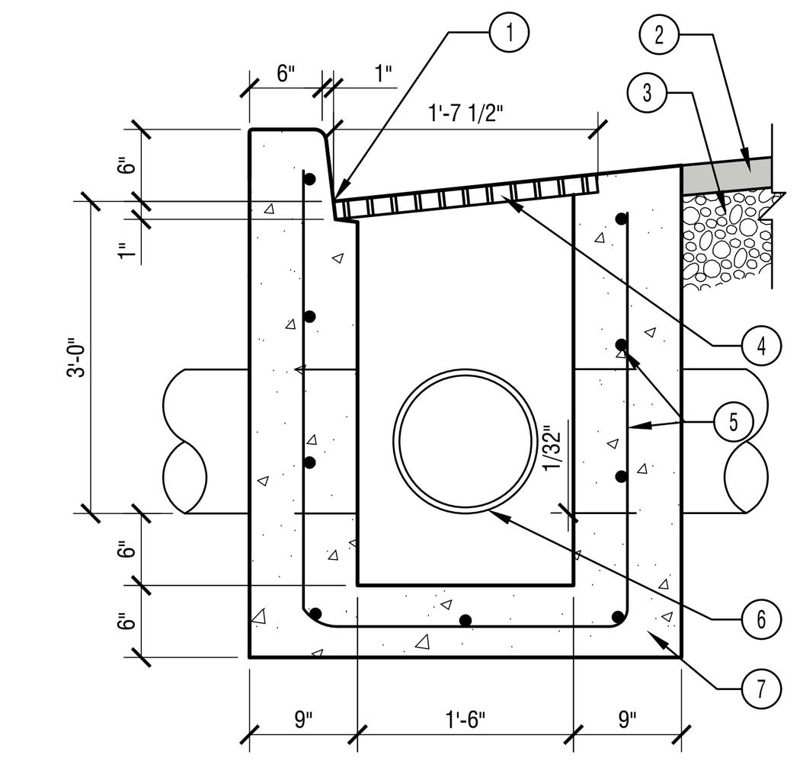
1. STAND PIPE
2. 4' FENCE POST BEYOND - SEE C4/C-501
3. 6"x6" CONCRETE MOWSTRIP
4. #3 REINFORCING BAR CONT. (OVERLAP 12" AT SPLICES)
5. 1/2" RADIUS TROWELED EDGE
6. FINISH GRADE 1" BELOW TOP OF MOWSTRIP FOR SOD
7. TOP SOIL
8. 6" COMPACTED AGGREGATE BASE
9. UNDISTURBED OR COMPACTED SUBGRADE
10. MAINLINE
11. FILTER FABRIC WRAPPED ALL SIDES OF CLEAN COBBLE
12. 2" MINUS CLEAN COBBLE

NOTE:
1. PROVIDE CONSTRUCTION OR CONTROL JOINTS ON MOW STRIP AT 5' O.C. MAX.
2. ONLY INSTALL THIS SUMP IF BID ALTERNATE #2 IS NOT APPLIED

D1 SUMP — 3/4" = 1'-0" — P-8-DFC-BRIG-74

D4 CATCH BASIN

ADD ALTERNATE 1: REPLACE STORM DRAIN BOX

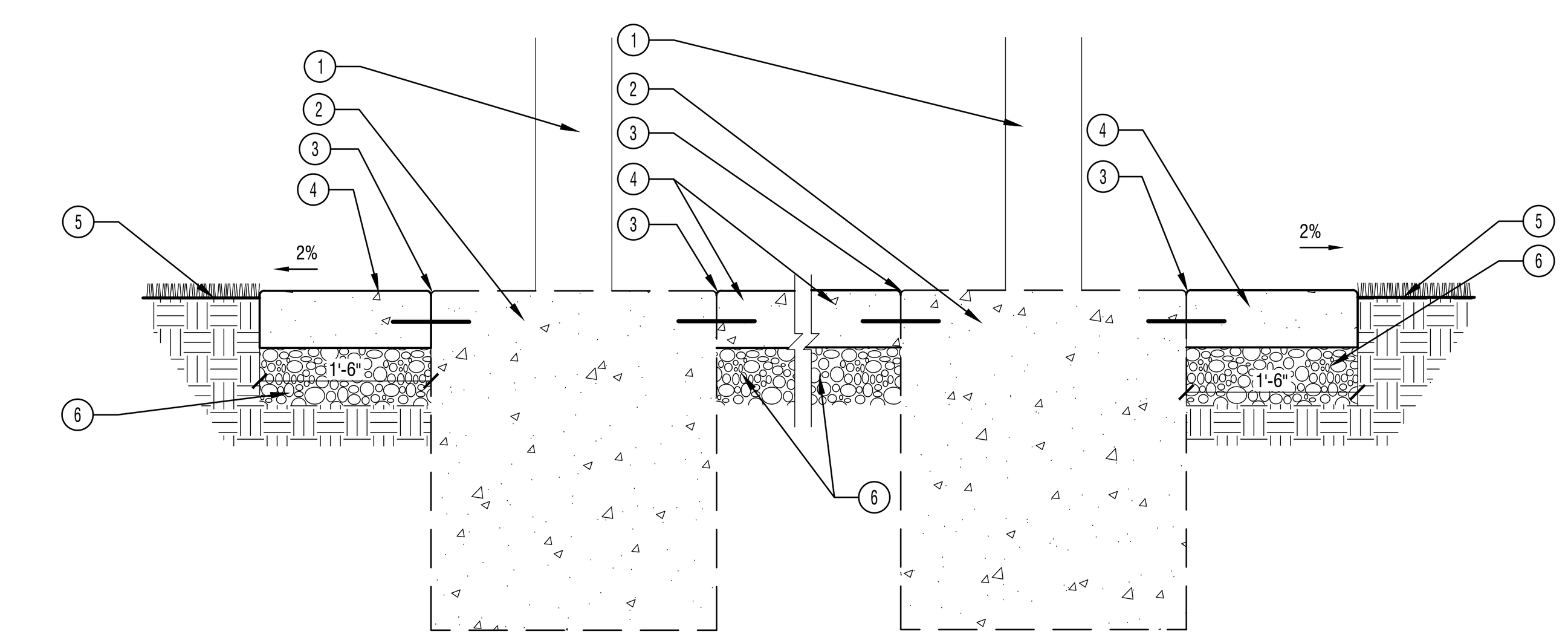


1. FLOWLINE
2. ASPHALT PAVING
3. AGGREGATE BASE
4. GRATE AND FRAME
5. #4 REINFORCED BAR AT 12" O.C. EACH WAY
6. HDPE STORM DRAIN PIPE WHERE OCCURS - SEE UTILITY PLAN FOR SIZE
7. CONCRETE CATCH BASIN

D4 CATCH BASIN — 3/4" = 1'-0" — P-8-DFC-BRIG-31

D5 CONCRETE AROUND UTAH SIGN

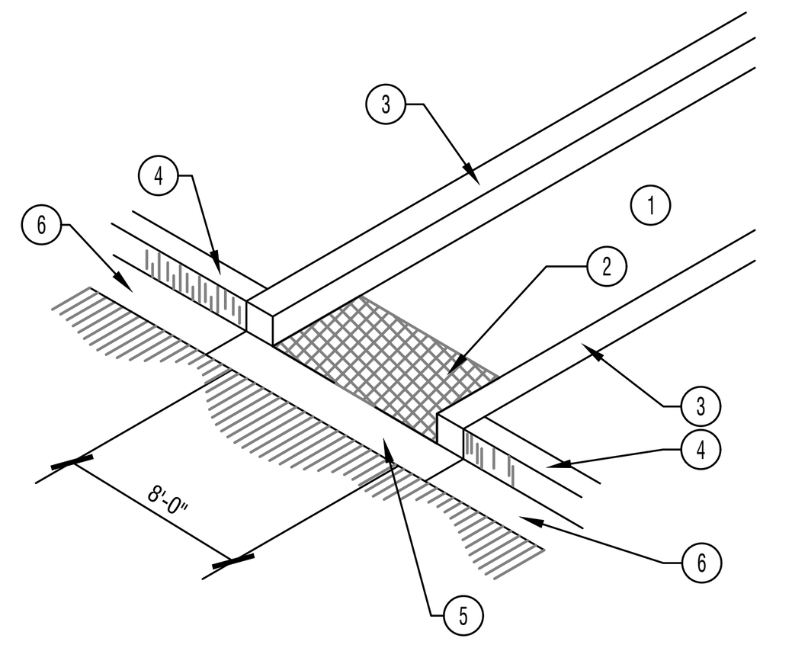
ADD ALTERNATE 4: CONCRETE PAD AROUND UTAH SIGN



1. EXISTING SIGN POSTS
2. EXISTING SIGN FOOTING
3. COLD JOINT & 8" #4 STEEL DOWELS SPACED 18" O.C.
4. 6" CONCRETE PAVEMENT, ROUGH BROOM FINISH WITH 1/2" TOOL EDGE
5. FINISH GRADE, 1-1/2" BELOW TOP OF MOWSTRIP FOR SOD
6. 6" MIN. AGGREGATE BASE COURSE ON WELL COMPACTED SUBGRADE

D5 CONCRETE AROUND UTAH SIGN — 3/4" = 1'-0" — P-8-DFC-BRIG-71

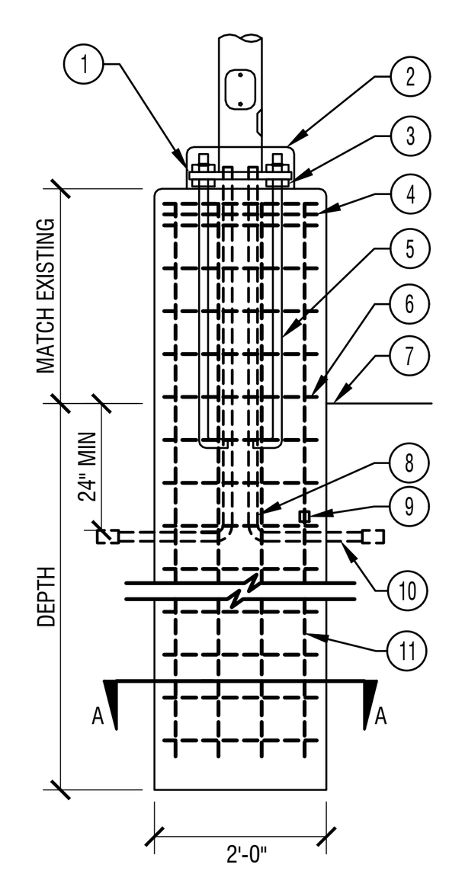
C1 PERPENDICULAR CURB



1. SIDEWALK, ROUGH BROOM FINISH
2. DETECTABLE WARNING SURFACE
3. NEW CURB
4. EXISTING CURB
5. NEW CONCRETE GUTTER
6. EXISTING CONCRETE GUTTER

C1 PERPENDICULAR CURB — 1/4" = 1'-0" — P-8-DFC-BRIG-62

C2 POLE BASE



	V ult = 115 MPH	V ult = 150 MPH
POLE HEIGHT	FTG DEPTH	FTG DEPTH
8'-0"	4'-0"	4'-0"
12'-0"	4'-0"	5'-0"
20'-0"	5'-0"	6'-0"
30'-0"	6'-0"	7'-0"
40'-0"	**6'-0"**	**8'-0"**
60'-0"	?	?

DESIGN CITERIA:
2018 IBC
Ss = 2.0, SOIL SITE CLASS D
LATERAL SOIL BRG = 100 PS/FT
ASSUMED 4.0 FT2AT TOP POLE

SECTION A-A

1. BASE PLATE AND ANCHOR BOLTS TO MATCH EXISTING
2. GROUT ENTIRE AREA UNDER PLATE. PROVIDE A MINIMUM ONE WEAP HOLE PER SIDE
3. DOULE NUT LEVELING SYSTEM
4. 3 TIES IN TOP 6" OF PIER
5. ANCHOR BOLT
6. #3 TIES AT 6" O.C.
7. FINISH GRADE
8. GRC ELBOW (TYP)
9. GROUND LUG
10. PVC SCH 40 CONDUIT
11. (8) #5 VERTICAL BARS

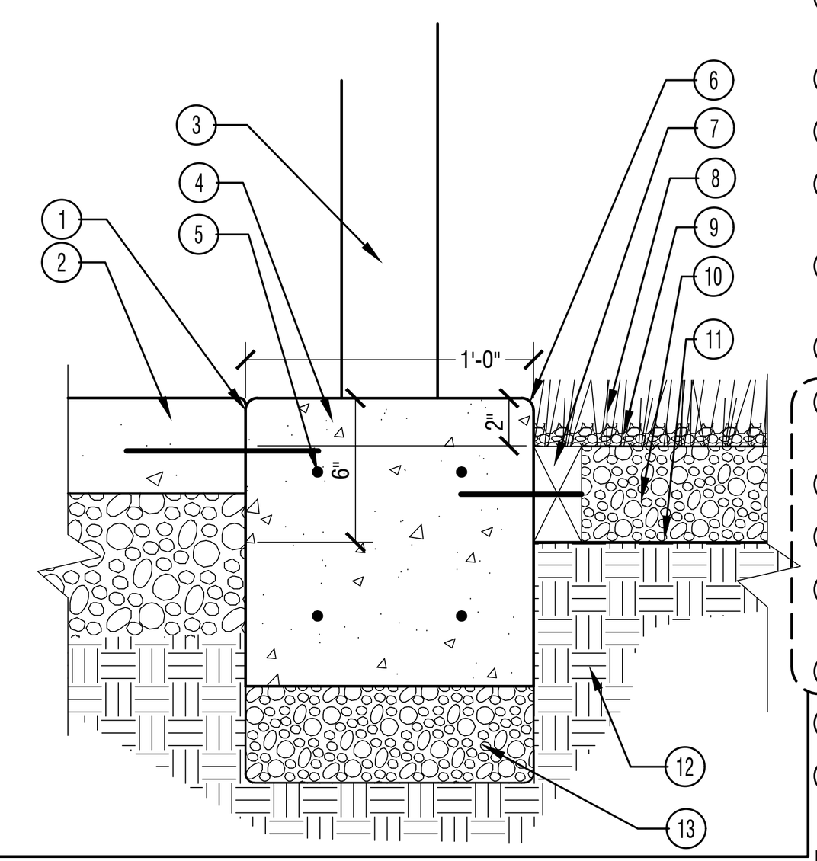
NOTE: DESIGN SHOWN FOR CONCRETE POLE BASE IS SHOWN FOR INFORMATIONAL PURPOSES ONLY TO CONVEY THE NECESSARY REQUIREMENTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A POLE BASE DESIGN AND ASSOCIATED STRUCTURAL CALCULATIONS AND SUBMIT THEM ASA DEFERRED SUBMITTAL FOR REVIEW. THE DESIGN SHALL BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH AND SHALL BE BASED UPON THE ACTUAL POLES, FIXTURES, SOIL CONDITIONS, WIND SPEED, ETC.

C2 POLE BASE — 3/8" = 1'-0" — P-8-DFC-BRIG-75

AD1

C4 ARTIFICIAL TURF GRASS WITH FENCE

ADD ALTERNATE 2: PET SYNTHETIC TURF

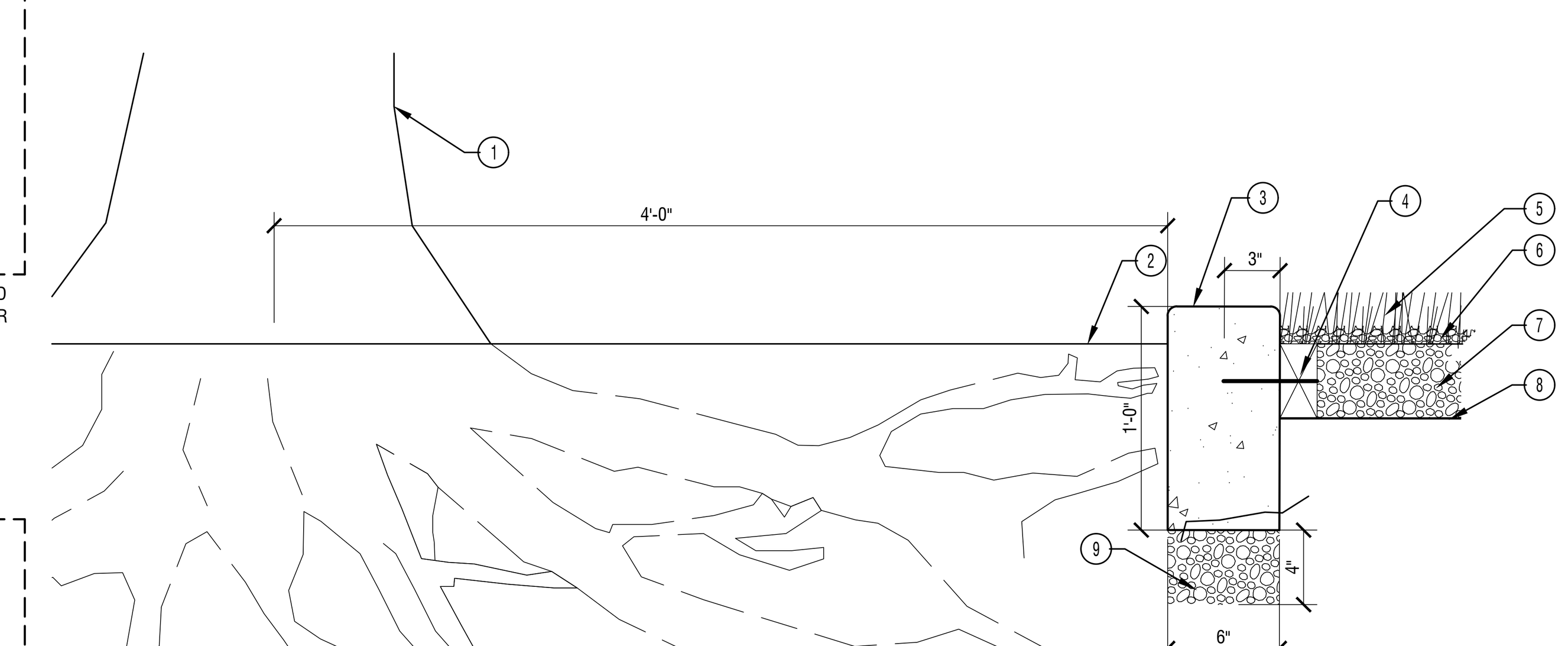


1. COLD JOINT & 8" #4 STEEL DOWELS SPACED 18" O.C.
2. EXISTING CONCRETE
3. 4-FOOT FENCE POST BEYOND
4. 12" X 12" CONCRETE MOWSTRIP BENEATH FENCE
5. #4 REINFORCED BAR CONT. LAP 12" AT SPLICES.
6. 1/2" TROWELED EDGES
7. PRESSURE TREATED NAILER BOARD WITH REDHEAD CONCRETE ANCHOR
8. ARTIFICIAL TURF
9. 2 LBS SILICA SAND INFILL
10. 3" COMPACTED SUBGRADE TO 92% COMPACTION RATING
11. WEED BARRIER
12. PROPERLY PREPARED SUB-GRADE
13. 4" MIN. COMPACTED AGGREGATE BASE

NOTE: PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5' O.C. MAX.

C4 ARTIFICIAL TURF GRASS WITH FENCE — 1/8" = 1'-0"

C5 CONCRETE EDGING AROUND TREES

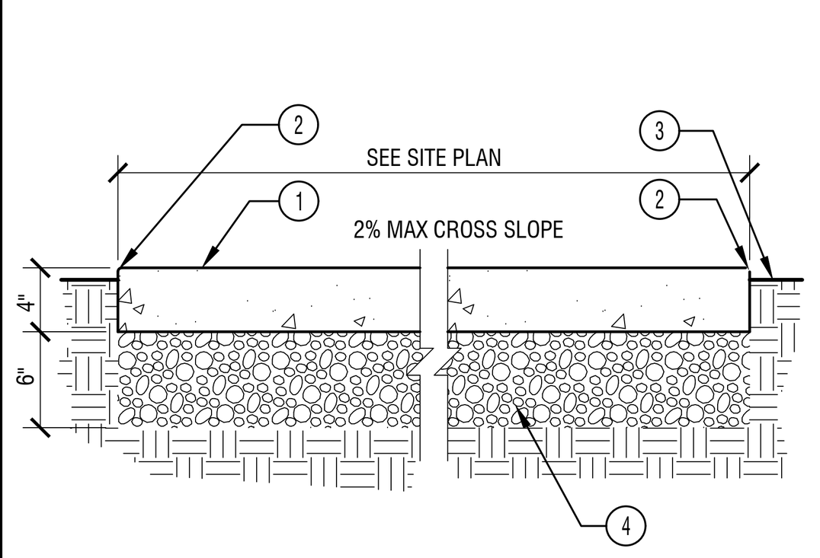


1. TREE
2. FINISH GRADE
3. 6"x12" CONCRETE MOWSTRIP
4. PRESSURE TREATED NAILER BOARD WITH REDHEAD CONCRETE ANCHOR
5. ARTIFICIAL TURF
6. 2 LBS SILICA SAND INFILL
7. 3" COMPACTED SUBGRADE TO 92% COMPACTION RATING
8. WEED BARRIER
9. 4" MIN. COMPACTED GRANULAR FILL

NOTE: TURF FASTENED TO NAILER BOARD W/ 1/4" X 1" GAL STRIPES

C5 CONCRETE EDGING AROUND TREES — 1/8" = 1'-0"

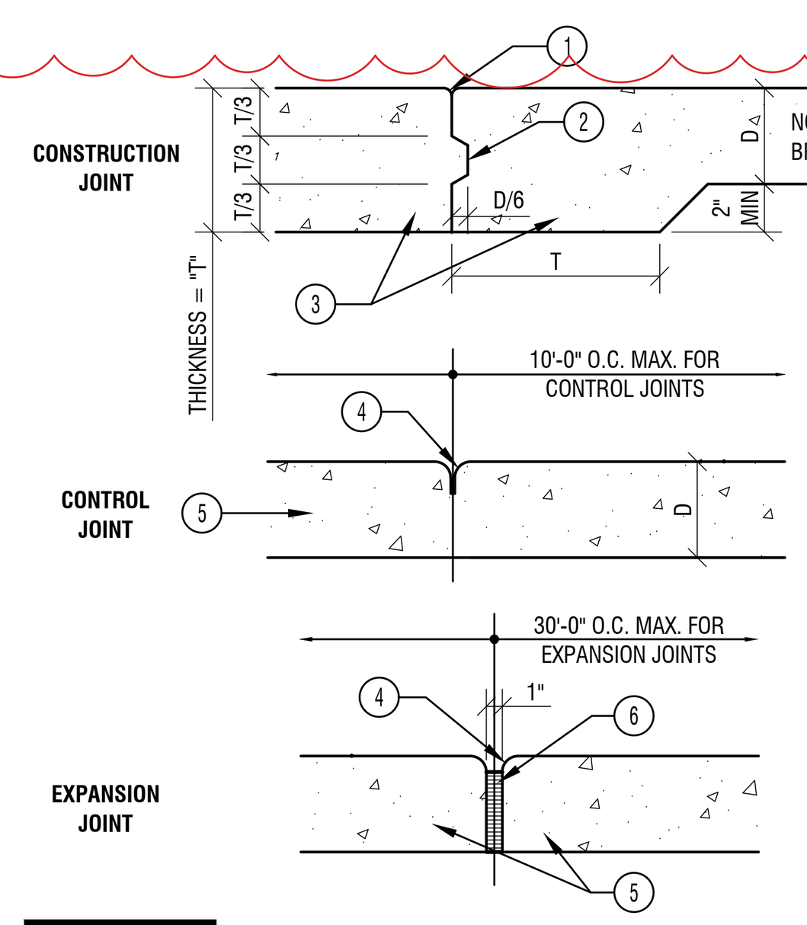
B1 CONCRETE WALK



1. 4" CONCRETE PAVEMENT, ROUGH BROOM FINISH
2. TOOL EDGES
3. FINISH GRADE
4. 6" AGGREGATE BASE

B1 CONCRETE WALK — 1" = 1'-0" — P-8-DFC-BRIG-02

B2 JOINT SECTIONS

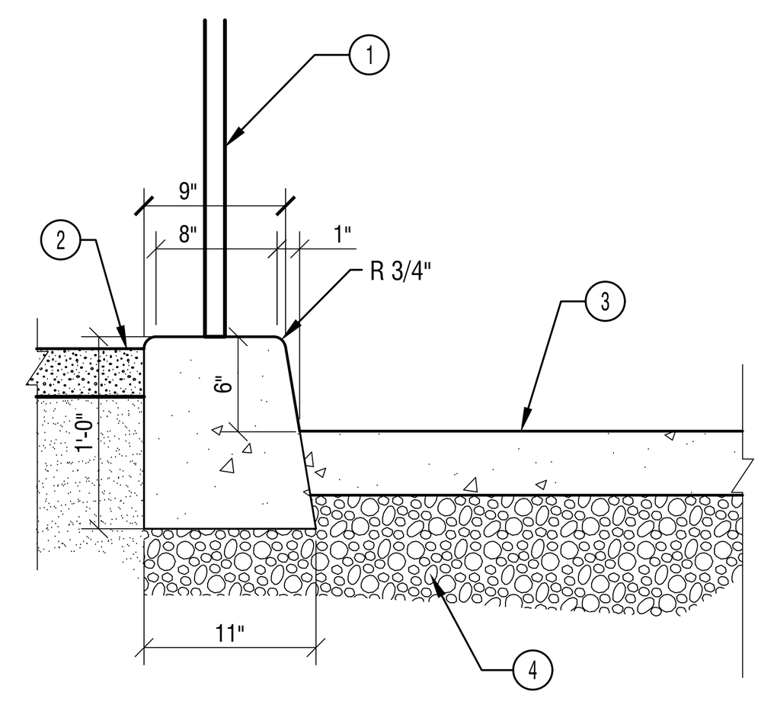


NOTE: TO BE USED AT POUR BREAKS AND WHERE SPECIFIED.

1. 1/4" RADIUS
2. METAL OR WOOD FORMED KEYWAY
3. THICKEN SLABS TO 6" MINIMUM AT CONSTRUCTION JOINTS
4. 1/2" RADIUS TROWELED JOINT
5. TYPICAL SLAB-ON-GRADE
6. EXPANSION JOINT FILLER

B2 JOINT SECTIONS — 1 1/2" = 1'-0" — P-8-DFC-BRIG-03

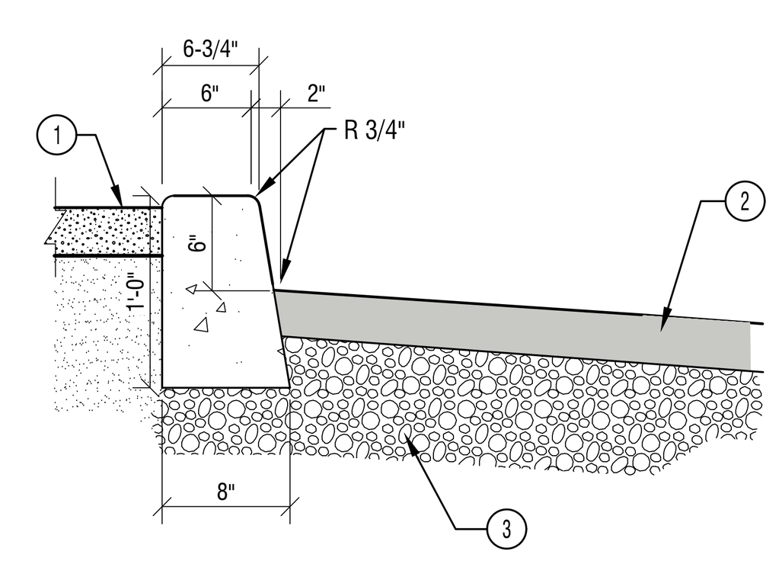
B3 8" CONCRETE CURB



1. STEEL HANDRAIL, SEE A1/C-501
2. GRAVEL MULCH - SEE PLANTING PLAN
3. CONCRETE RAMP
4. COMPACTED GRAVEL

B3 8" CONCRETE CURB — 1" = 1'-0" — P-8-DFC-BRIG-73

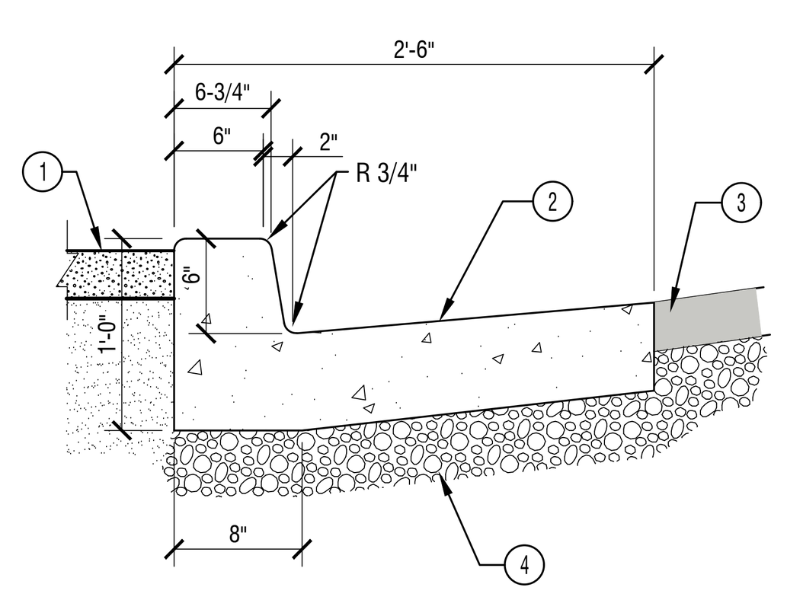
B4 6" CONCRETE CURB



1. GRAVEL MULCH - SEE PLANTING PLAN
2. ASPHALT
3. COMPACTED GRAVEL

B4 6" CONCRETE CURB — 1" = 1'-0" — P-8-DFC-BRIG-36

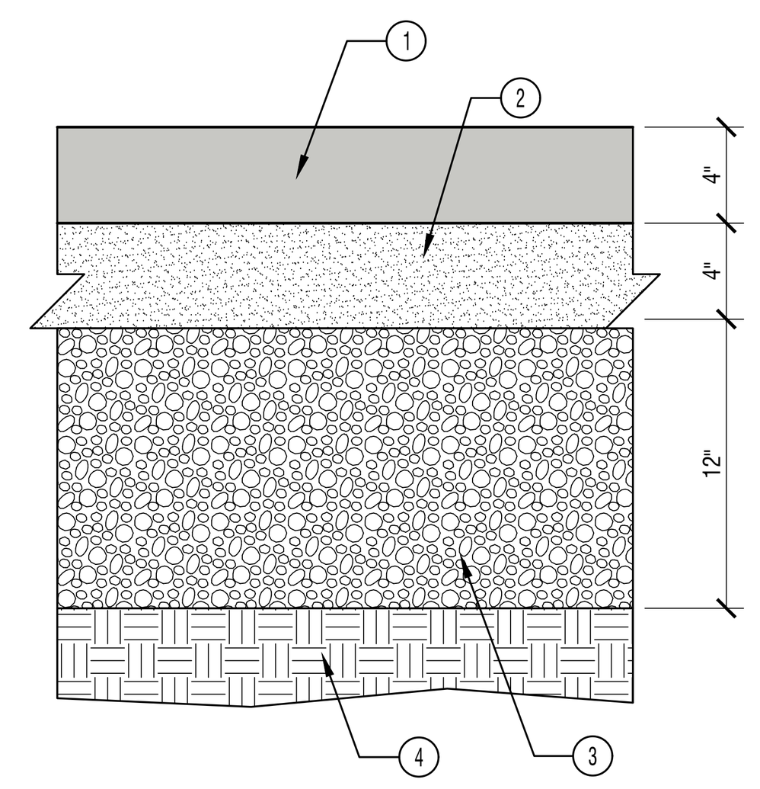
B5 CONCRETE CURB & GUTTER



1. GRAVEL MULCH - SEE PLANTING PLAN
2. CONCRETE CURB AND GUTTER
3. ASPHALT
4. COMPACTED GRAVEL

B5 CONCRETE CURB & GUTTER — 1" = 1'-0" — P-8-DFC-BRIG-04

B6 HEAVY DUTY ASPHALT

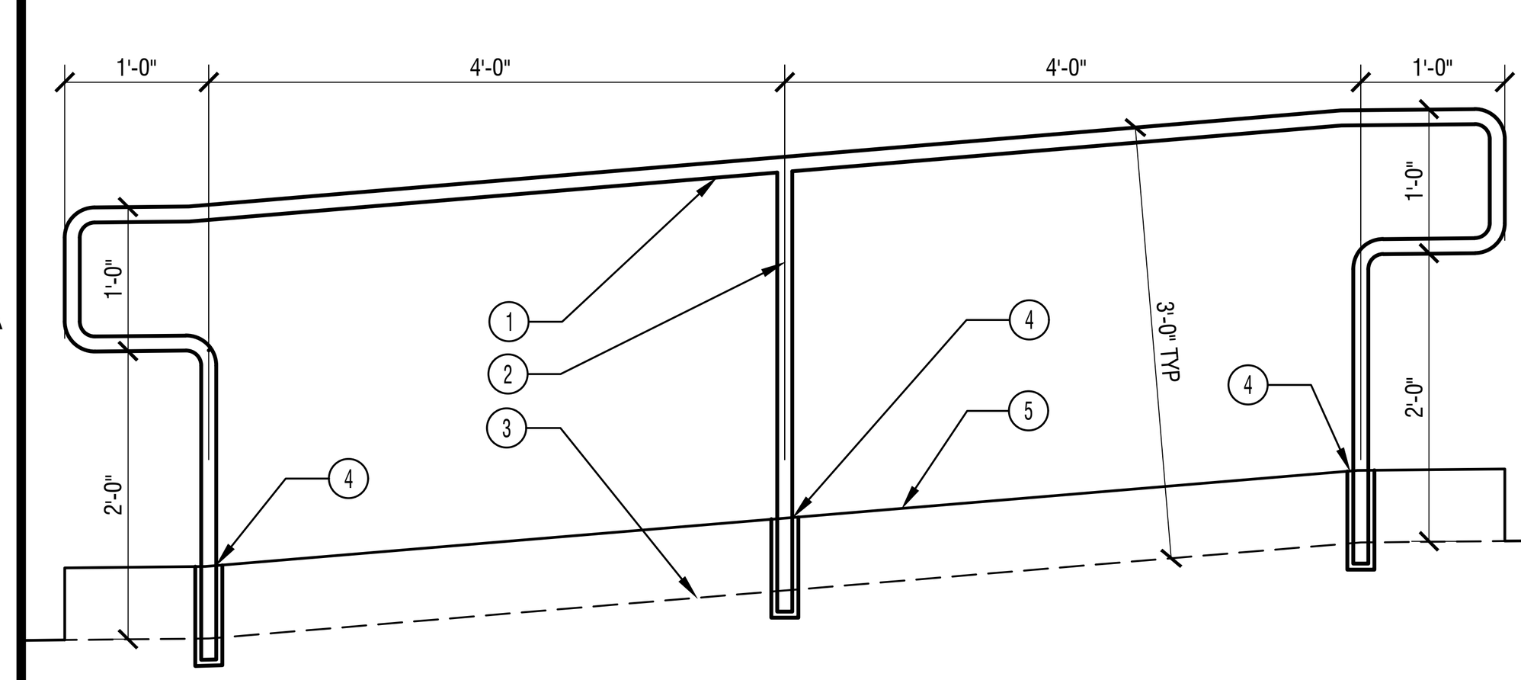


1. HOT-MIX ASPHALT PAVING
2. ROAD BASE
3. COMPACTED SUB-BASE
4. COMPACTED SUB-GRADE

NOTE:
MATCH EXISTING PAVEMENT CROSS SECTION IF IT IS THICKER THAN THE ONE SHOWN IN THIS DEATAIL.

B6 HEAVY DUTY ASPHALT — 1 1/2" = 1'-0" — P-8-DFC-BRIG-

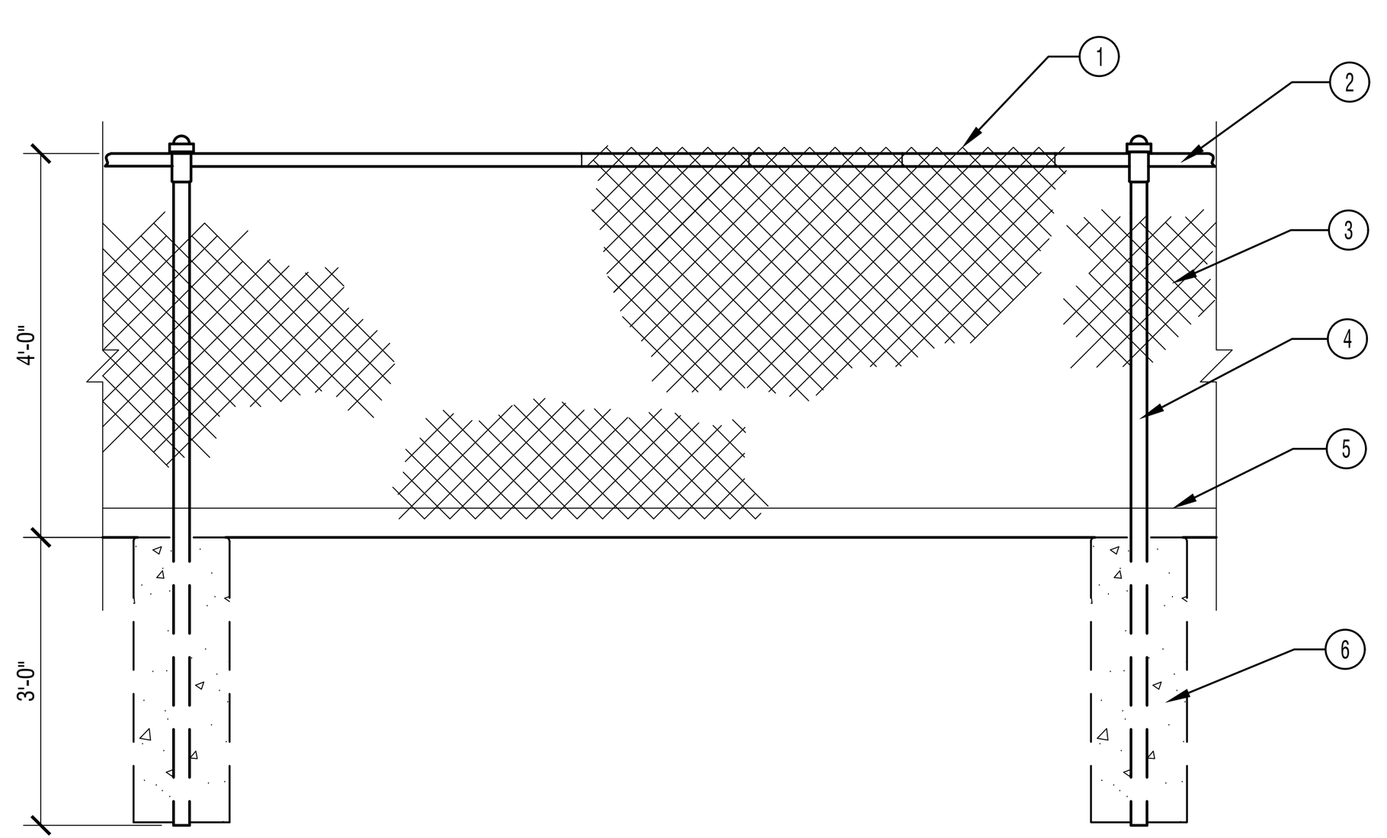
A1 RAMP HANDRAIL ELEVATION



1. 1 1/4" INSIDE DIA STEEL HANDRAIL
2. 1 1/4" INSIDE DIA STEEL HANDRAIL POST
3. LINE OF CONCRETE PAVING
4. CORE DRILL CONCRETE - EPOXY GROUT STEEL POST IN PLACE. GROUT COLOR TO MATCH CONCRETE
5. 8" CONCRETE CURB SEE B3/C-501

A1 RAMP HANDRAIL ELEVATION — 3/4" = 1'-0"

A2 CHAIN LINK FENCE - 4'



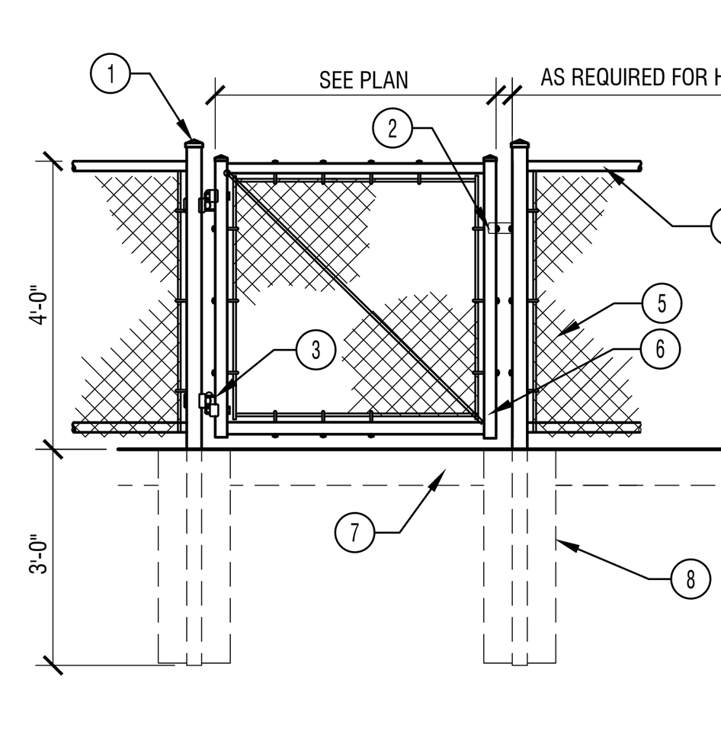
1. KNUCKLED SELVAGE, TOP AND BOTTOM
2. 1-5/8" TOP RAIL
3. CHAIN LINK FABRIC
4. 1-7/8" DIA. LINE POSTS. PROVIDE AND INSTALL TENSION BAR ATTACHED TO CORNER AND END POST WITH TENSION BANDS WHERE OCCURS
5. TENSION WIRE
6. 12" DIA. X 36" DEEP CONCRETE FOOTINGS ON 4" BASE COURSE

BASE BID: FINISH TO BE GALVANIZED
BID ALTERNATE: FINISH TO BE BLACK VINYL COATED

ADD ALTERNATE 3: BLACK VINYL COATED CHAINLINK FENCE

A2 CHAIN LINK FENCE - 4' — 1/2" = 1'-0" — P-8-DFC-BRIG-05

A4 CHAIN LINK SINGLE GATE - 4'



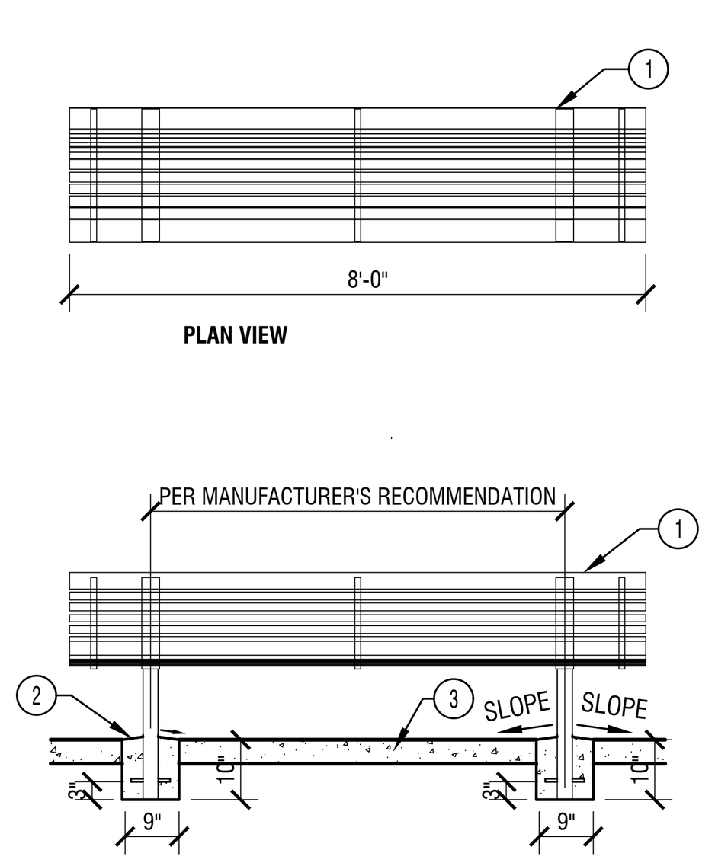
1. 2-7/8" POST
2. LATCH
3. HINGE
4. 1-5/8" TOP RAIL
5. CHAIN LINK FABRIC
6. GATE
7. 12" WIDE MOWSTRIP
8. 16" DIA. X 36" CONCRETE FOOTING ON 4" BASE COURSE

BASE BID: FINISH TO BE GALVANIZED
BID ALTERNATE: FINISH TO BE BLACK VINYL COATED

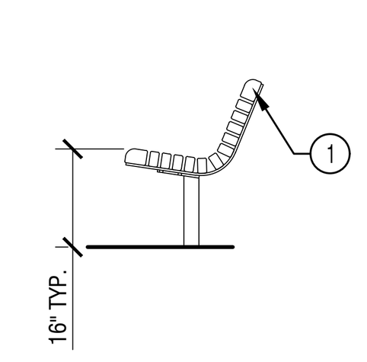
ADD ALTERNATE 3: BLACK VINYL COATED CHAINLINK FENCE

A4 CHAIN LINK SINGLE GATE - 4' — 3/8" = 1'-0" — P-8-DFC-BRIG-13

A5 TYPICAL BENCH IN-GROUND MOUNT

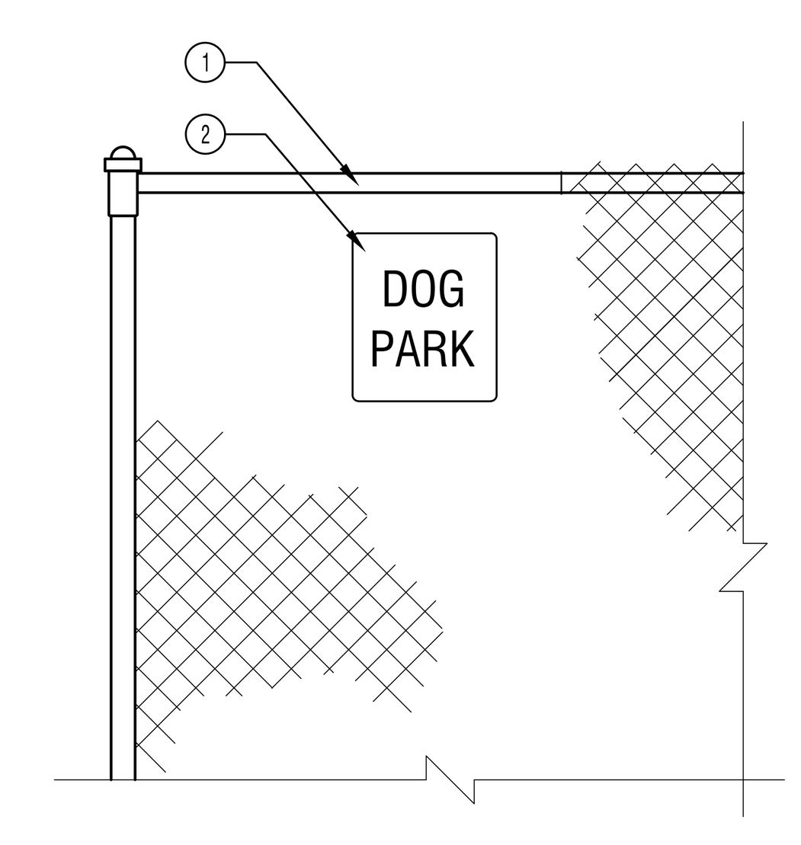


1. BENCH
2. CORE DRILL 9" MIN. DIAMETER HOLE IN CONCRETE. EXCAVATE A 10" DEEP HOLE. PLACE CONCRETE IN HOLES AND PLACE BENCH POST PUSHING OUT EXCESS WET CONCRETE
3. CONCRETE PAVEMENT



A5 TYPICAL BENCH IN-GROUND MOUNT — 3/8" = 1'-0" — P-8-DFC-BRIG-44

A6 SIGN ON FENCE



1. FENCE
2. 12" X 14" X 1/16" ALUMINUM SIGN WITH 1" MINIMUM WHITE SILK SCREENED LETTER AND SYMBOL ON BLUE BACKGROUND SECURED TO FENCE

A6 SIGN ON FENCE — 3/4" = 1'-0" — P-8-DFC-BRIG-32

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

DFCM APPROVAL

BRIGHAM CITY REST AREA: SOUTHBOUND - LANDSCAPE UPGRADES

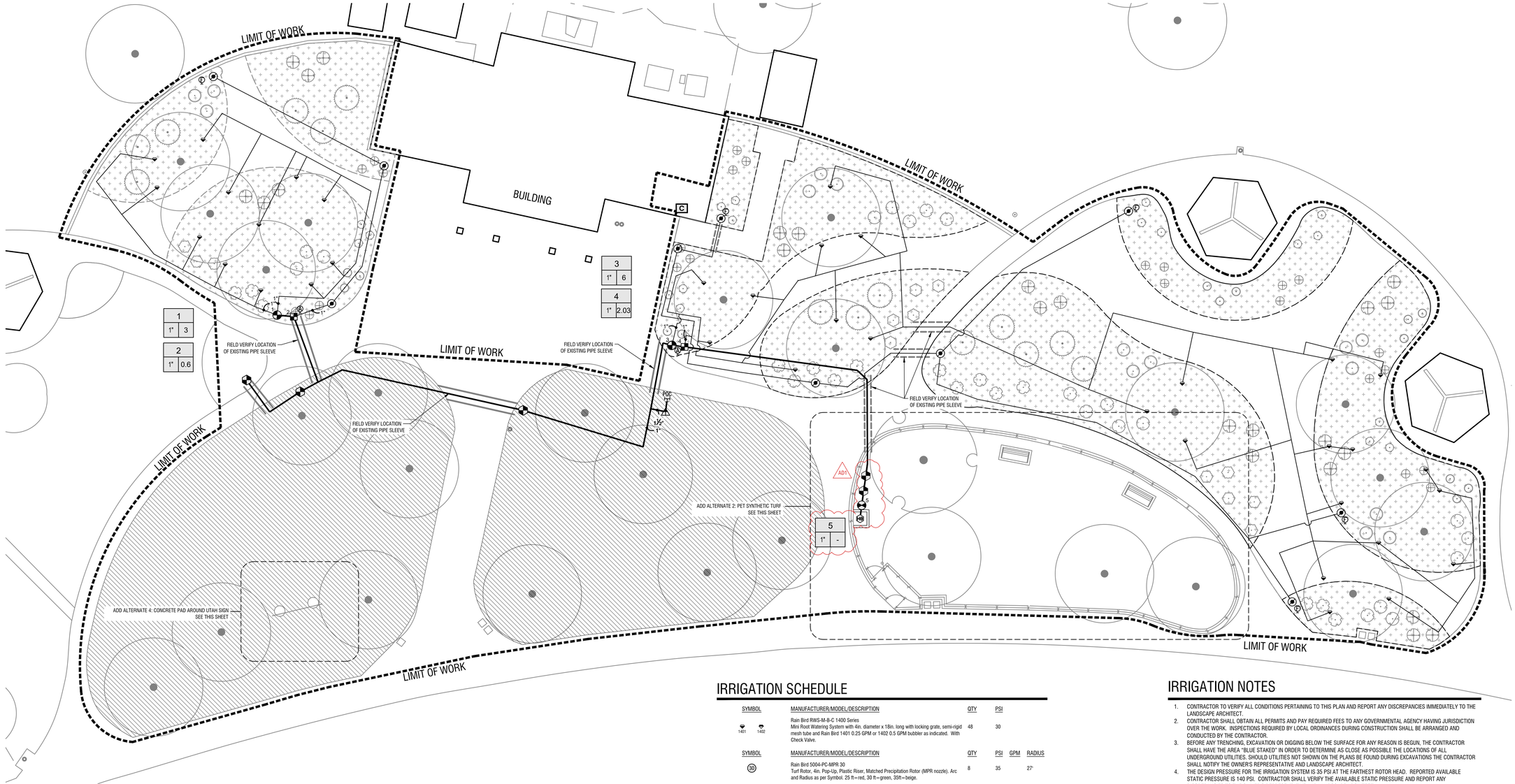
369 MILE MARKER
BRIGHAM CITY, UT 84302
UTAH DEPARTMENT OF TRANSPORTATION

MARK:	DATE:	DESCRIPTION:
AD1	09.16.2024	ADDENDUM 1

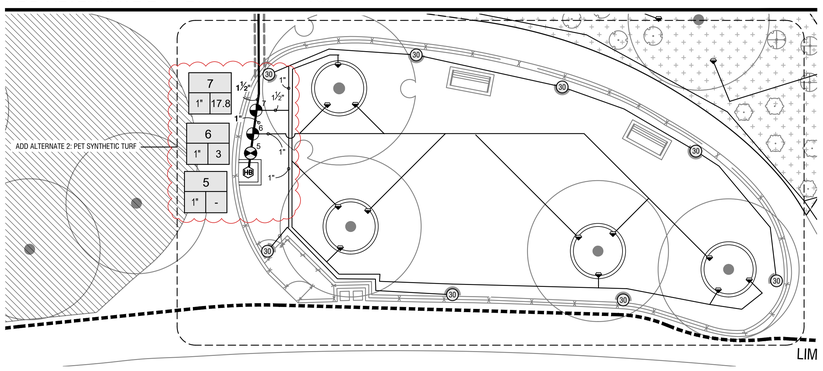
PROJECT #: 823291
DRAWN BY: J. CLEMENTS
CHECKED BY: B. WRIGHT
ISSUED: 08.09.2024

STATE OF UTAH — BLAKE C. WRIGHT — 08.09.2024 — LICENSED LANDSCAPE ARCHITECT

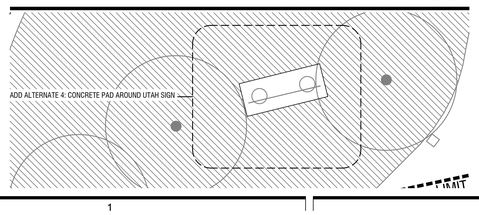
SITE DETAILS
C-501



ADD ALTERNATE 2 - PET SYNTHETIC TURF



ADD ALTERNATE 4: CONCRETE PAD AROUND UTAH SIGN



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
1401 1402	Rain Bird RWS-M-B-C 1400 Series Mini Root Watering System with 4in. diameter x 18in. long with locking grate, semi-rigid mesh tube and Rain Bird 1401 0.25 GPM or 1402 0.5 GPM bubbler as indicated. With Check Valve.	48	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
30	Rain Bird 5004-PC-MPR 30 Turf Rotor, 4in. Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige.	8	35		27'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird LFV-100 1in. Low Flow DV Valve	2
	Pipe Transition Point in Drip Box Pipe transition point from PVC lateral to drip tubing with riser in 6in. drip box.	10
	Rain Bird MDCFPCAP Dripline Flush Valve purple cap in compression fitting coupler. For non-potable water use.	5
A	Rain Bird ARV050 1/2in. Air Relief Valve, made of quality rust-proof materials, with a 6in. drip valve box (SEB 7X8 emitter box). Use with installation below soil. The valve will allow air to escape the pipeline, thus preventing water hammer or blockage.	2
	Area to Receive Drip Emitters Rain Bird XB-PC Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5 GPH=blue, 1.0 GPH=black, and 2.0 GPH=red. Comes with a self-piercing barb inlet x barb outlet.	9,835 s.f.
	05PC emitters (2 assigned to each 1 gal plant)	162
	05PC emitters (2 assigned to each 5 gal plant)	154

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Existing Valve	5
	Rain Bird PEB 1in., 1-1/2in., 2in., 3in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration.	4
	Rain Bird PEB : Valve for Dog Watering Station 1in Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration.	1
	Zone (XX) Program in controller as manual. Run daily from 8am to 8pm schedule for operation April 15 through October 15.	
HB	Hose Bibb Arrowhead Brass Hose Bib on Galvanized Stand Pipe	1
AD1	Watts 25B0S Pressure Reducing Valve Pressure required downstream is 40.3 PSI	1
C	Controller Combine existing controllers onto one system. Remove unused controller and return to owner.	1
POC	Install meter before the backflow preventer - meter provided by owner Point of Connection 3"	1
	Irrigation Lateral Line: PVC Schedule 40	1,666 l.f.
	Irrigation Mainline: PVC Schedule 40	234.0 l.f.
	Pipe Sleeve: PVC Schedule 40	93.4 l.f.

SYMBOL	DESCRIPTION	QTY
	PRESERVE AND PROTECT EXISTING HEADS, REPLACE PIPE WITH PVC	14,017 sf

IRRIGATION NOTES

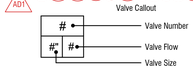
1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING CONSTRUCTION SHALL BE ARRANGED AND CONDUCTED BY THE CONTRACTOR.
3. BEFORE ANY TRENCHING, EXCAVATION OR DIGGING BELOW THE SURFACE FOR ANY REASON IS BEGUN, THE CONTRACTOR SHALL HAVE THE AREA "BLUE STAKED" IN ORDER TO DETERMINE AS CLOSE AS POSSIBLE THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
4. THE DESIGN PRESSURE FOR THE IRRIGATION SYSTEM IS 35 PSI AT THE FARTHEST ROTOR HEAD. REPORTED AVAILABLE STATIC PRESSURE IS 140 PSI. CONTRACTOR SHALL VERIFY THE AVAILABLE STATIC PRESSURE AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
5. IRRIGATION DESIGN IS DIAGRAMMATIC. PIPING, IRRIGATION VALVES AND OTHER IRRIGATION EQUIPMENT ARE OFTEN SHOWN FOR CLARITY IN AREAS ADJACENT TO LOCATIONS WHERE THEY WILL BE INSTALLED. IRRIGATION LINES AND EQUIPMENT MAY BE SHOWN ON PAVEMENT, INSIDE BUILDINGS OR ACROSS PROPERTY LINES. THE CONTRACTOR SHALL PLACE ALL IRRIGATION LINES, VALVES, ETC. IN PLANTING AREAS AND ON THE PROPERTY WHEN POSSIBLE.
6. INSTALL A PRESSURE REGULATOR IF STATIC PRESSURE IN THE SERVICE LINE EXCEEDS THE IRRIGATION SYSTEM OPERATING DESIGN PRESSURE. SIZE AND INSTALL PRESSURE REGULATOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. PROTECT EXISTING TREES AND THEIR ROOT SYSTEMS. ROUTE IRRIGATION LINES AS NECESSARY TO MINIMIZE THE CUTTING OF TREE ROOTS.
8. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER TO PROTECT ALL SITE CONDITIONS AND UTILITIES TO REMAIN FROM DAMAGE. WHEN OCCURS, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUED WATERING OF ALL AREAS AFFECTED BY CONSTRUCTION. THIS CAN BE COMPLETED BY HAND WATERING, THE USE OF TEMPORARY IRRIGATION SYSTEMS, OR THE CONTINUED OPERATION OF EXISTING SYSTEMS NOT DISTURBED BY CONSTRUCTION.
10. ALL LINE SIZES SHOWN ARE FOR IRRIGATION PIPE. SEE SPECIFICATIONS AND DETAILS FOR SLEEVE SIZES.
11. SLEEVE CONTROL WIRES IN A 2 INCH CONDUIT NEXT TO, OR UNDER, IRRIGATION MAINLINE AS SHOWN IN DETAILS. CONTROL WIRES NOT SLEEVED SHALL FOLLOW MAINLINE AND BE BUNDLED EVERY 10 FEET.
12. INSTALL MANUAL DRAINS AT ALL LOW POINTS ON THE MAINLINE.
13. ADJUST ALL RADII ON SPRINKLERS TO NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
14. LANDSCAPE CONTRACTOR TO COORDINATE PLANT PLACEMENT WITH SPRINKLERS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS.
16. CONSOLIDATE TWO EXISTING CONTROLLERS INTO ONE AND USE EXISTING CONTROLLER.
17. REBUILD, RECONFIGURE AND ADJUST THE IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE IN TURF AREAS. THE INSTALLED SYSTEM SHALL NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
18. THE IRRIGATION PIPING SHALL BE SIZED TO HAVE WATER SPEEDS UNDER FIVE FEET PER SECOND. NEW PIPING SHALL NOT CAUSE WATER SPEEDS IN THE EXISTING PIPE SYSTEM TO EXCEED FIVE FEET PER SECOND. PIPING SHALL BE PLACED SO THAT THERE IS 12 INCHES OF COVER ON LATERAL LINES AND 18 INCHES OF COVER ON MAINLINES AND ROTOR CIRCUIT LATERAL LINES.
19. RECONNECT THE IRRIGATION CONTROL WIRES AS REQUIRED TO CREATE AN OPERATIONAL SYSTEM. PUT ALL WIRE SPLICES IN SPLICE BOXES OR IN REMOTE CONTROL BOXES.
20. REUSE EXISTING WIRE AND ZONES WHERE POSSIBLE. CONTRACTOR TO PROVIDE RECORD DRAWINGS AND VALVE SCHEDULE.
21. AVOID CUTTING ACROSS ROOTS WHEN INSTALLING ROOT WATERING SYSTEM FOR TREES. USE AIR TRENCHING WHEN POSSIBLE.
22. SEE SHEET L-501 FOR LANDSCAPE DETAILS.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
1	Rain Bird PEB	1"	Bubbler	3	31.5	31.9	1.05 in/h
2	Rain Bird LFV-100	1"	Area for Drip Emitters	0.6	13.1	13.1	0.3 in/h
3	Rain Bird PEB	1"	Bubbler	6	33.1	33.1	1.05 in/h
4	Rain Bird LFV-100	1"	Area for Drip Emitters	2.03	13.4	13.4	0.23 in/h
5	Rain Bird PEB : Valve for Dog Watering Station	1"					Unknown
6	Rain Bird PEB	1"	Bubbler	3	31.5	31.6	1.06 in/h
7	Rain Bird PEB	1"	Turf Rotor	17.81	39.0	40.0	0.74 in/h

AD1

Valve Callout



NORTH

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

DFCM APPROVAL

BRIGHAM CITY REST AREA: SOUTHBOUND - LANDSCAPE UPGRADES

369 MILE MARKER
BRIGHAM CITY, UT 84302
UTAH DEPARTMENT OF TRANSPORTATION

MARK	DATE	DESCRIPTION
AD1	05.16.2024	ADDENDUM 1

PROJECT #: 823291
DRAWN BY: J. CLEMENTS
CHECKED BY: B. WRIGHT
ISSUED: 08.09.2024

STATE OF UTAH
BLAKE C. WRIGHT
08.09.2028
10101-5301
LICENSED LANDSCAPE ARCHITECT

IRRIGATION PLAN
L-201

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