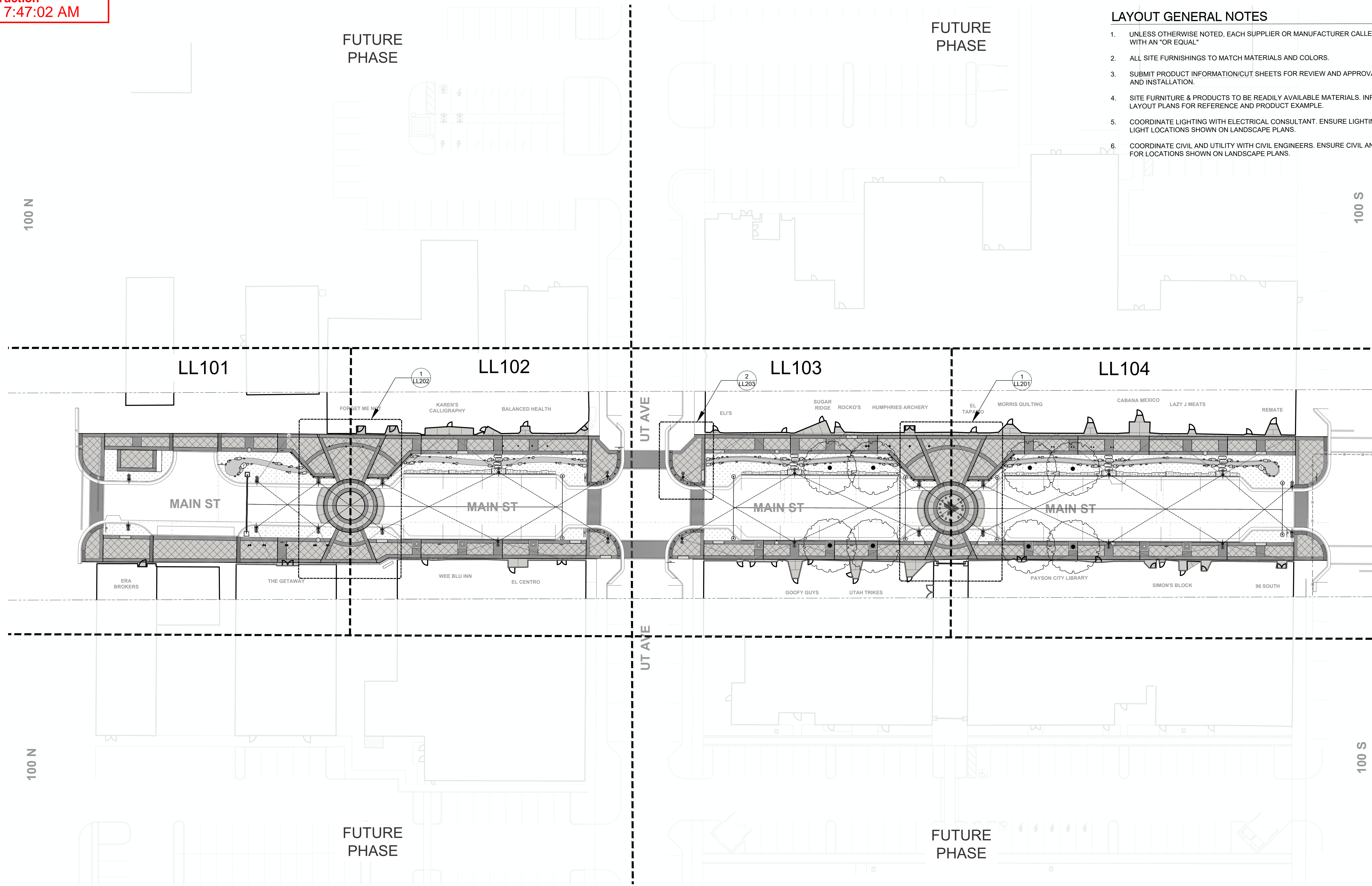
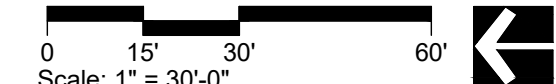


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- LAYOUT GENERAL NOTES**
- UNLESS OTHERWISE NOTED, EACH SUPPLIER OR MANUFACTURER CALLED OUT MAY BE SUBSTITUTED WITH AN "OR EQUAL"
  - ALL SITE FURNISHINGS TO MATCH MATERIALS AND COLORS.
  - SUBMIT PRODUCT INFORMATION/CUT SHEETS FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.
  - SITE FURNITURE & PRODUCTS TO BE READILY AVAILABLE MATERIALS. INFORMATION PROVIDED IN LAYOUT PLANS FOR REFERENCE AND PRODUCT EXAMPLE.
  - COORDINATE LIGHTING WITH ELECTRICAL CONSULTANT. ENSURE LIGHTING IS COORDINATED FOR LIGHT LOCATIONS SHOWN ON LANDSCAPE PLANS.
  - COORDINATE CIVIL AND UTILITY WITH CIVIL ENGINEERS. ENSURE CIVIL AND UTILITY IS COORDINATED FOR LOCATIONS SHOWN ON LANDSCAPE PLANS.



NO.	DATE	DESCRIPTION

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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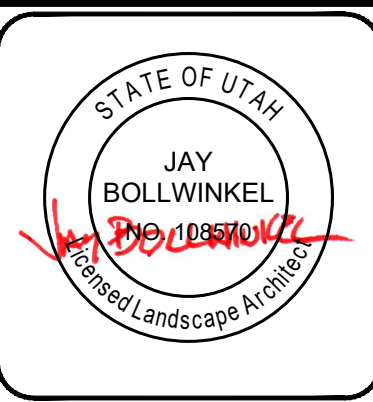
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**PAYSON CITY MAIN STREET**  
LAYOUT OVERVIEW

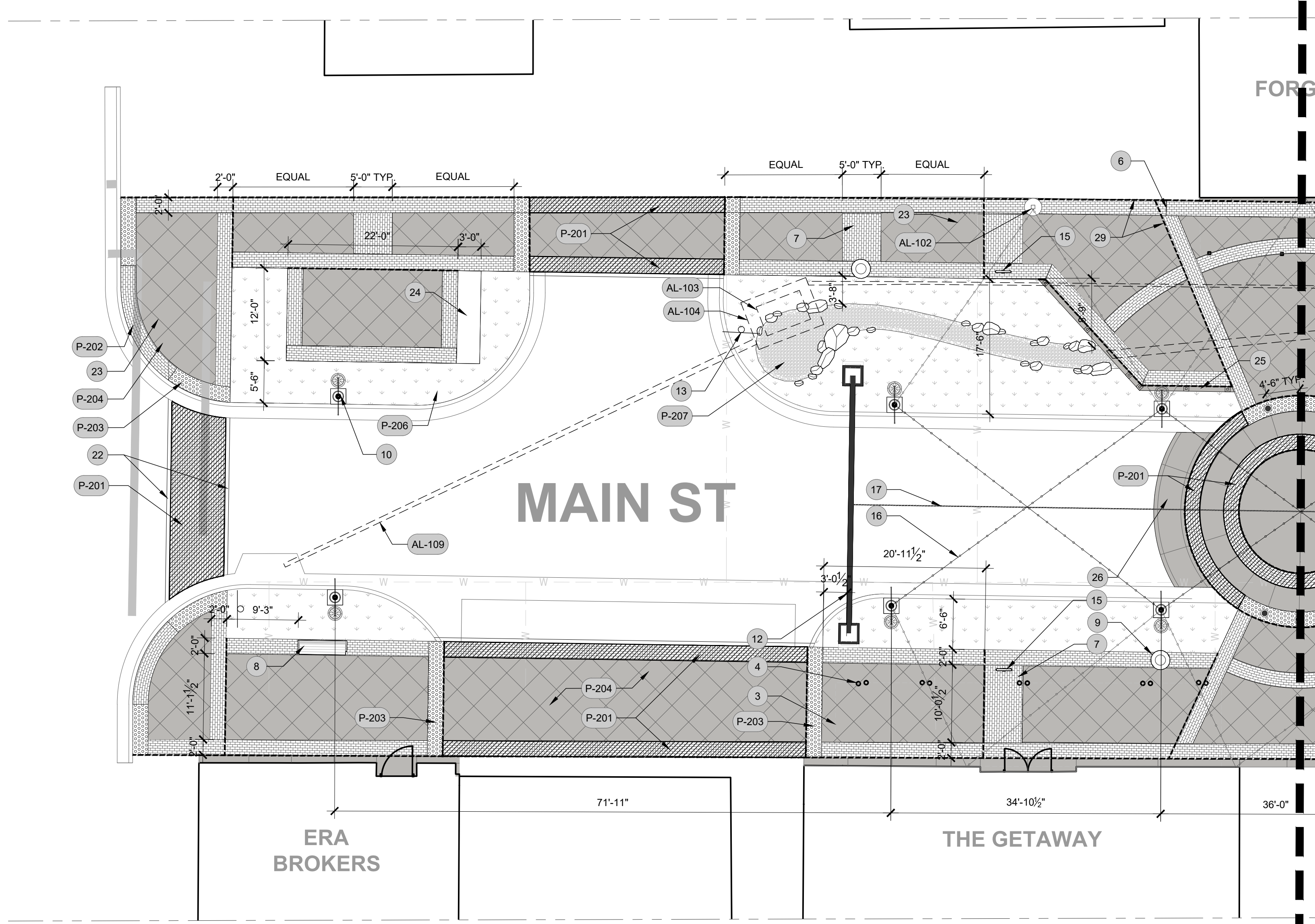


PROJECT NUMBER  
**21-158**

SHEET  
**1** OF  
**31**

SHEET NUMBER  
**LL100**

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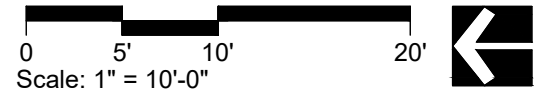
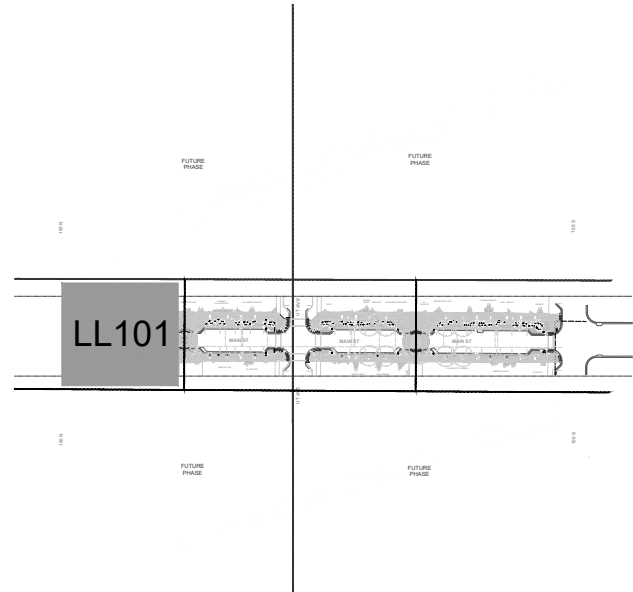
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SYMBOL	DESCRIPTION	DETAIL
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2	EXISTING SIGN TO BE PRESERVED AND PROTECTED	
3	EXISTING BUILDING CANOPY TO BE PRESERVED AND PROTECTED (TYP)	
4	EXISTING CANOPY PILLAR TO BE PRESERVED AND PROTECTED (TYP)	
5	PARALLEL PARKING STRIPING - SEE CIVIL	
6	WALKWAY TYPICAL WIDTH CHANGES	
7	MAIN STREET TYPICAL WALKWAY PAVING PATTERN	2/LL506
8	PAYSON CITY BENCH	1/LL508
9	CUSTOM TRASH RECEPTACLE	3/LL508
10	MAIN STREET HISTORIC STREETLIGHT WITH BANNER ARM AND HANGING BASKET	1/LL503
11	CUSTOM TREE GRATE	1/LL509
12	HISTORIC DOWNTOWN ENTRY ARCH	1/LL501
13	DECORATIVE STREET SIGN POST	5/LL508
14	DECORATIVE REMOVEABLE BOLLARD	2/LL508
15	CUSTOM BIKE RACK	6/LL508
16	STRING LIGHTS HUNG FROM LIGHT POLES AND GUIDE WIRE	2/LL503
17	GUIDE WIRE TO ELEVATE STRING LIGHTS ALONG ROAD CENTERLINE	2/LL503
18	STRING LIGHT GUIDE WIRE POST	2/LL502
19	NATURAL FLAT STONE SLAB PEDESTRIAN CROSSING	2/LL505
20	LANDSCAPE BOULDER	4/LL509
21	PAYSON TAGLINE SEAL LOGO IN CONCRETE	1/LL201
22	VEHICULAR PAVERS - ASPHALT TRANSITION	6/LL507
23	CONCRETE CONTROL JOINT	4/LL506
24	PAYSON CITY FIREBRAND LOGO SCULPTURE AND BASE (FUTURE INSTALLATION)	
25	DECORATIVE FENCE	5/LL509
26	CONCRETE RAMP	1/LL510
27	ADDITIONAL PARKING SIGN (NORTH FACING SIDE)	8/LL508
28	WAYFINDING MAP SIGN (FUTURE INSTALLATION)	
29	CONCRETE EXPANSION JOINT	4/LL506
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AL-102	ADDITIONAL STRING LIGHT GUIDE WIRE POST & FOOTING	2/LL502
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AL-104	AQUATIC PUMP VAULT SCREEN INLET	3/LL504
AL-105	WATER PIPE SOURCE FITTING	1/LL504
AL-106	STRING LIGHTS OVER PEDESTRIAN WALKWAYS	2/LL503
AL-107	TRASH SCREEN	1/LL505
AL-108	12" HDPE PIPE	1/LL505
AL-109	OVERFLOW PIPE DRAIN TO STORM DRAIN	4/LL504

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P-201	VEHICULAR BRICK PAVER	1,770 SF	3/LL507
P-202	PEDESTRIAN BRICK PAVER	6,850 SF	1/LL507
P-203	ADA TACTILE PAVER	493 SF	2/LL507
P-204	CONCRETE PAVING - COLOR: NATURAL GRAY, FINISH: BROOM	13,425 SF	4/LL506
P-205	EXPOSED AGGREGATE CONCRETE FOOTPATH	613 SF	5/LL506
SYMBOL	STONE PAVING DESCRIPTION	QTY	DETAIL
P-206	BARK MULCH	51.33 CY	3/LL509
P-207	RIVER COBBLE	307.98 CY	4/LL505
P-207	RIVER COBBLE	18.24 CY	4/LL505

KEY MAP



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PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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**PAYSON CITY MAIN STREET**  
LAYOUT PLAN

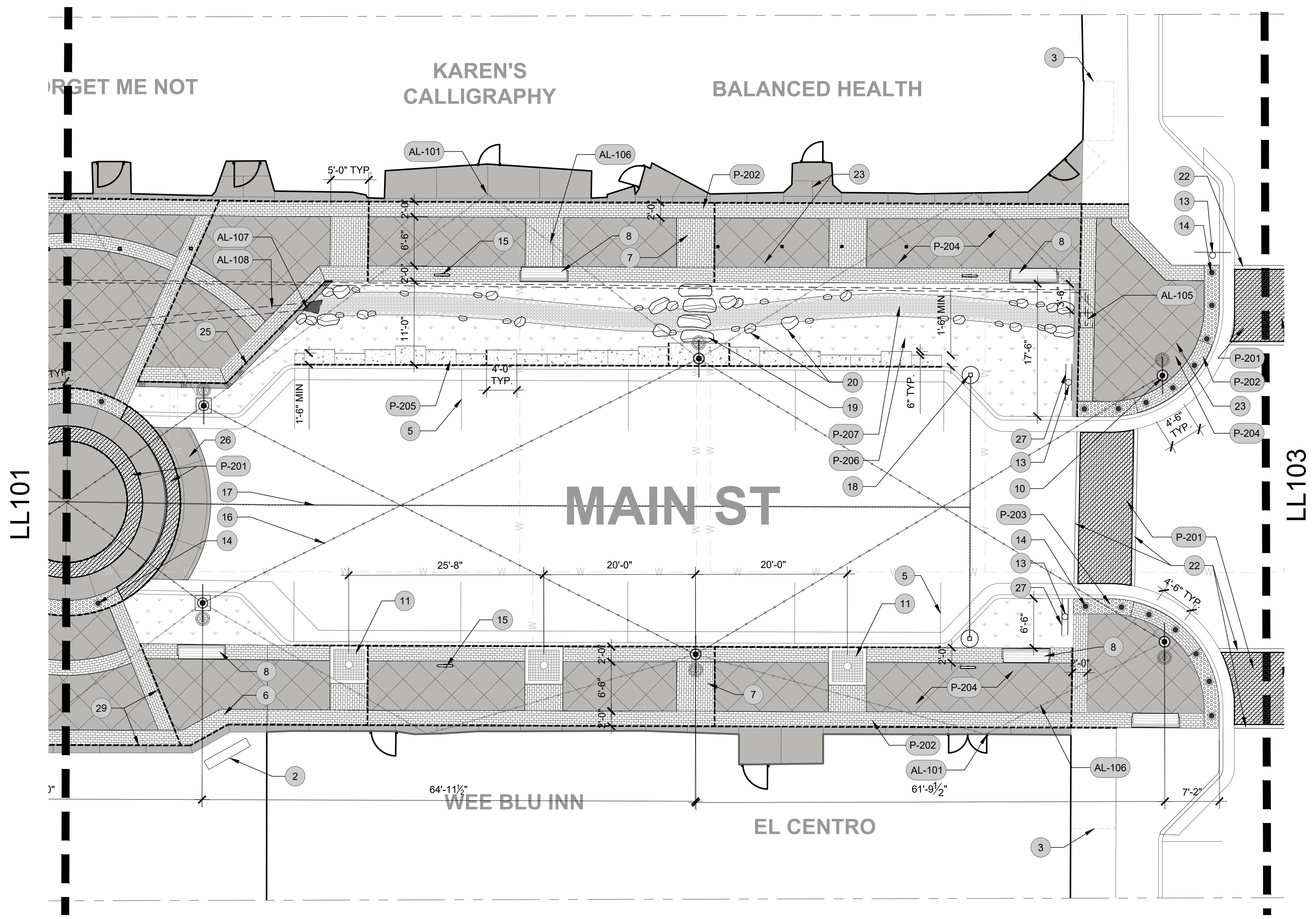
STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

PROJECT NUMBER  
**21-158**

SHEET  
**2** OF **31**

SHEET NUMBER  
**LL101**

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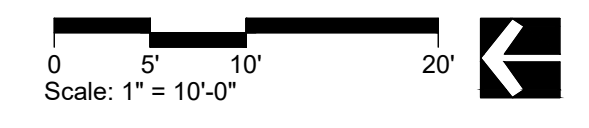
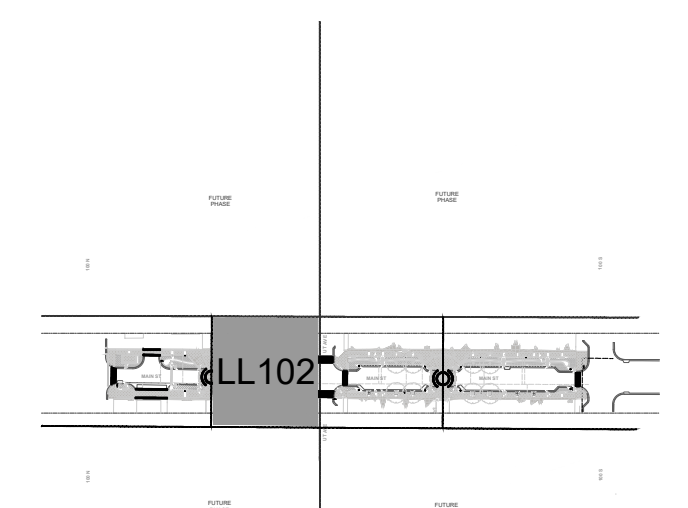
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AL-107	TRASH SCREEN	1/LL505
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KEY MAP



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PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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**PAYSON CITY MAIN STREET**  
LAYOUT PLAN

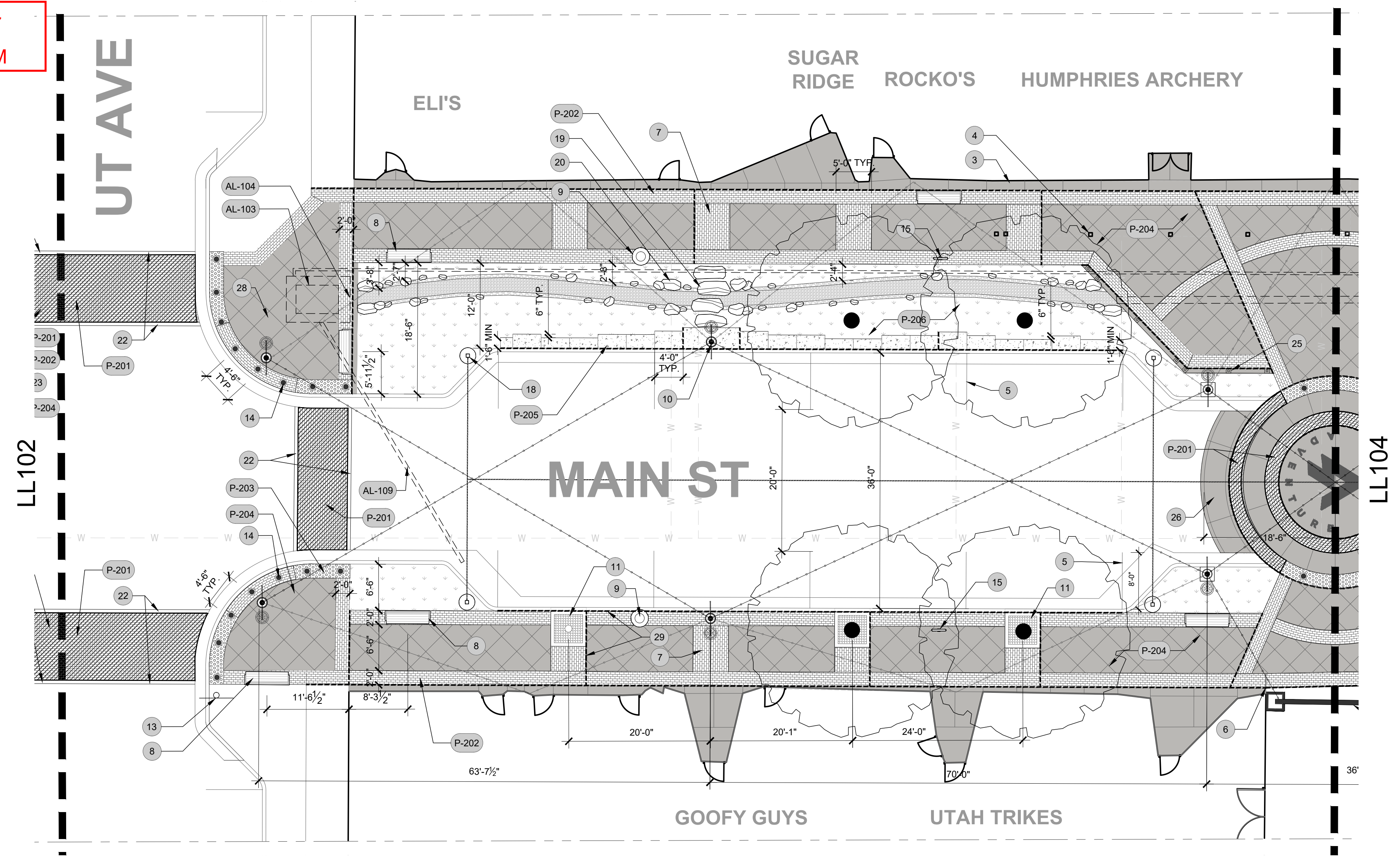
STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

PROJECT NUMBER  
**21-158**

SHEET  
**3** OF **31**

SHEET NUMBER  
**LL102**

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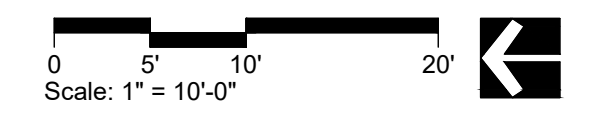
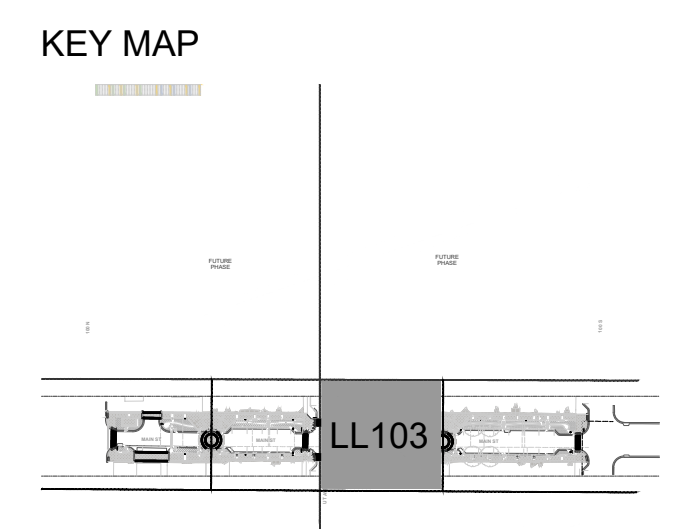


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14	DECORATIVE REMOVEABLE BOLLARD	2/LL508
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PROJECT MANAGER  
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DRAWN BY  
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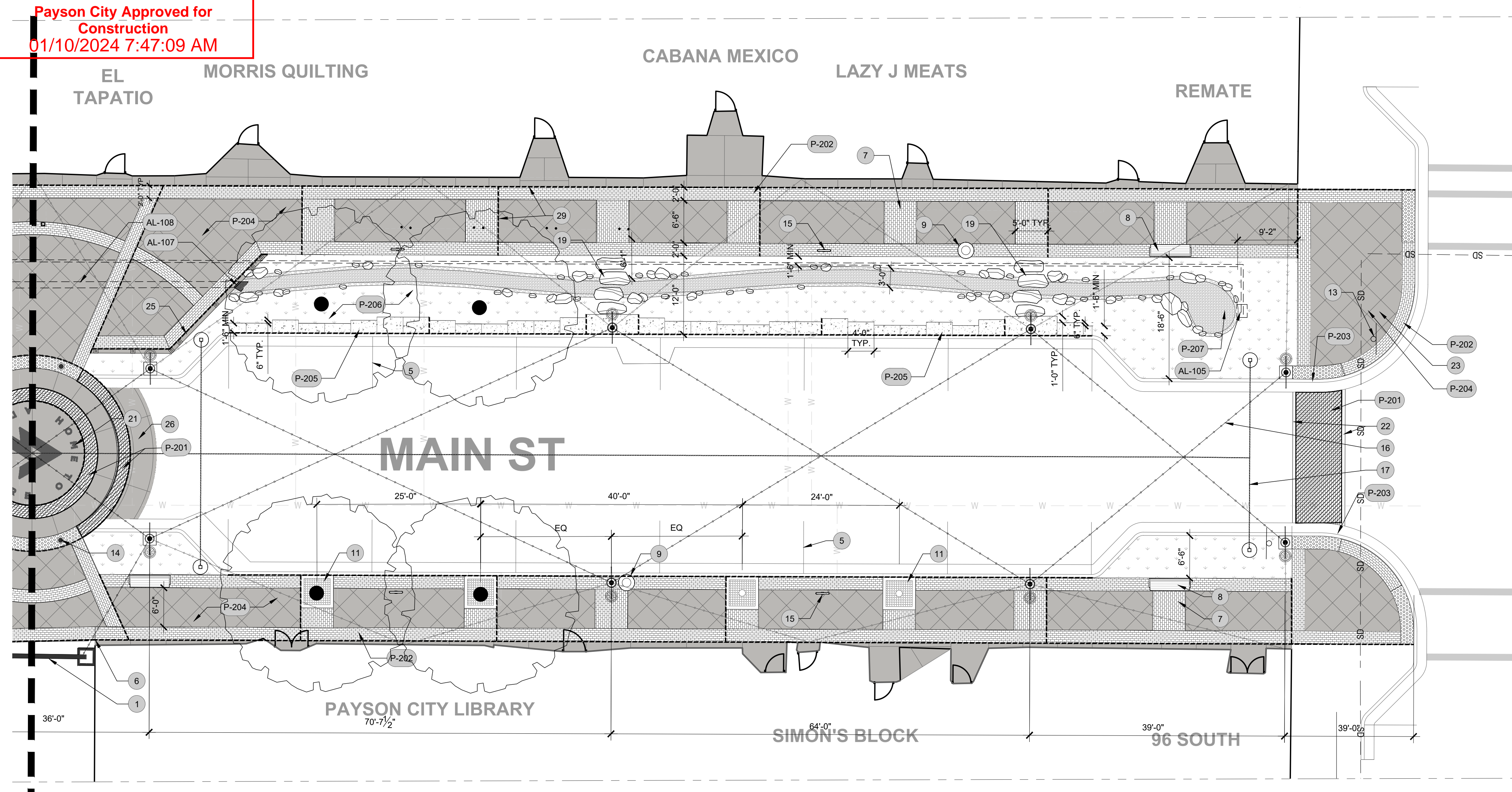
**PAYSON CITY MAIN STREET**  
LAYOUT PLAN

STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

PROJECT NUMBER  
21-158  
SHEET  
4 OF 31  
SHEET NUMBER  
**LL103**

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LL103

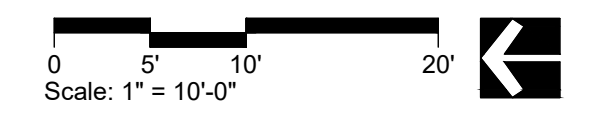
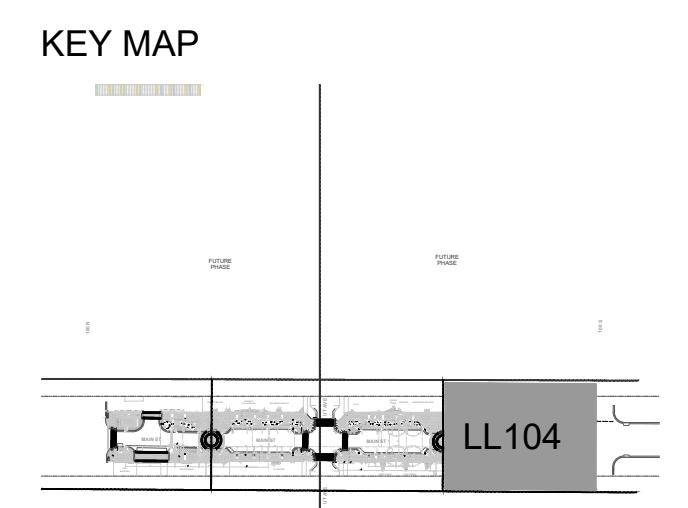


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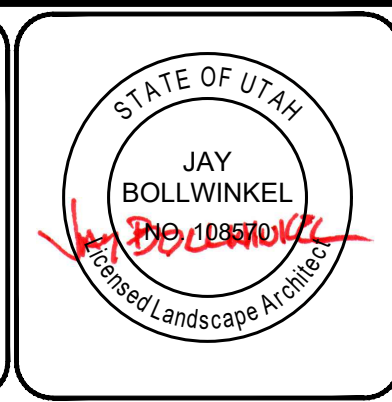
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**PAYSON CITY MAIN STREET**  
LAYOUT PLAN

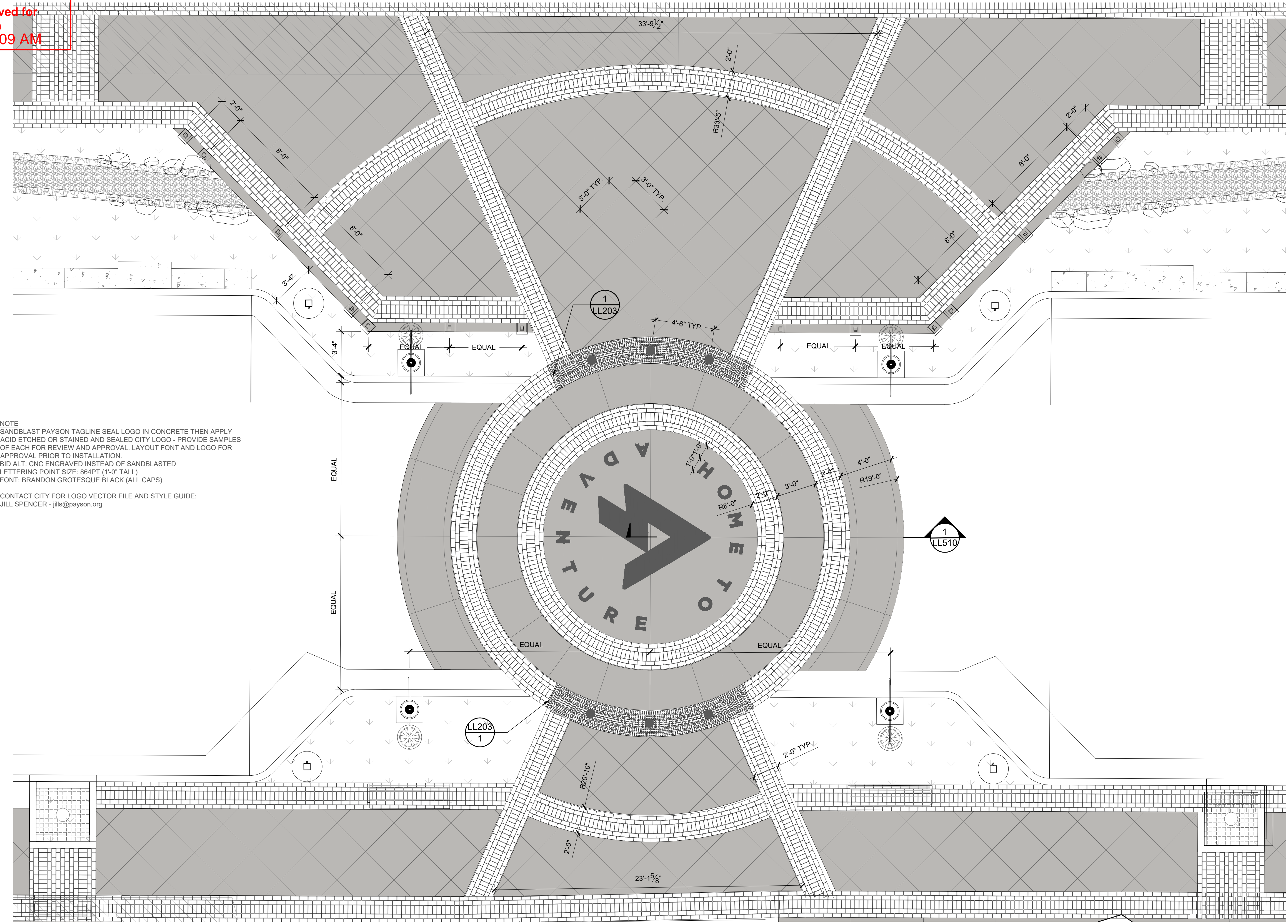


PROJECT NUMBER  
**21-158**

SHEET  
**5** OF **31**

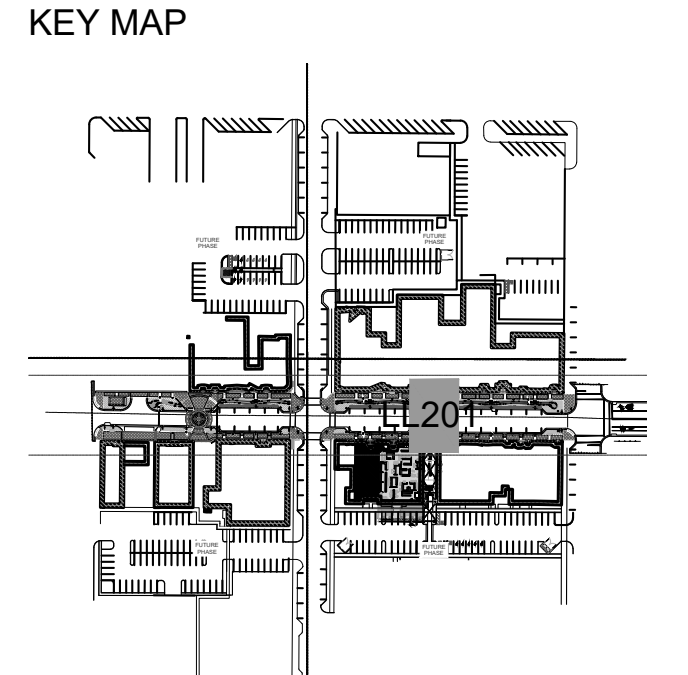
SHEET NUMBER  
**LL104**

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NOTE  
SANDBLAST PAYSON TAGLINE SEAL LOGO IN CONCRETE THEN APPLY ACID ETCHED OR STAINED AND SEALED CITY LOGO - PROVIDE SAMPLES OF EACH FOR REVIEW AND APPROVAL. LAYOUT FONT AND LOGO FOR APPROVAL PRIOR TO INSTALLATION.  
BID ALT: CNC ENGRAVED INSTEAD OF SANDBLASTED  
LETTERING POINT SIZE: 864PT (1'-0" TALL)  
FONT: BRANDON GROTESQUE BLACK (ALL CAPS)  
CONTACT CITY FOR LOGO VECTOR FILE AND STYLE GUIDE:  
JILL SPENCER - jills@payson.org

1 SOUTH NODE ENLARGEMENT  
1/4" = 1'-0"



P-21.158-01

NO.	DATE	DESCRIPTION

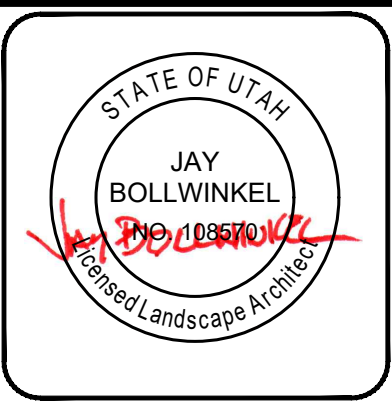
IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.  
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PRINCIPAL  
**JAY BOLLWINKEL**  
PROJECT MANAGER  
**JAY BOLLWINKEL**  
CHECKED BY  
**JAY BOLLWINKEL**  
DRAWN BY  
**DEREK JENSON**  
DRAWING SCALE  
**AS SHOWN**  
ISSUE DATE  
**10/20/2023**

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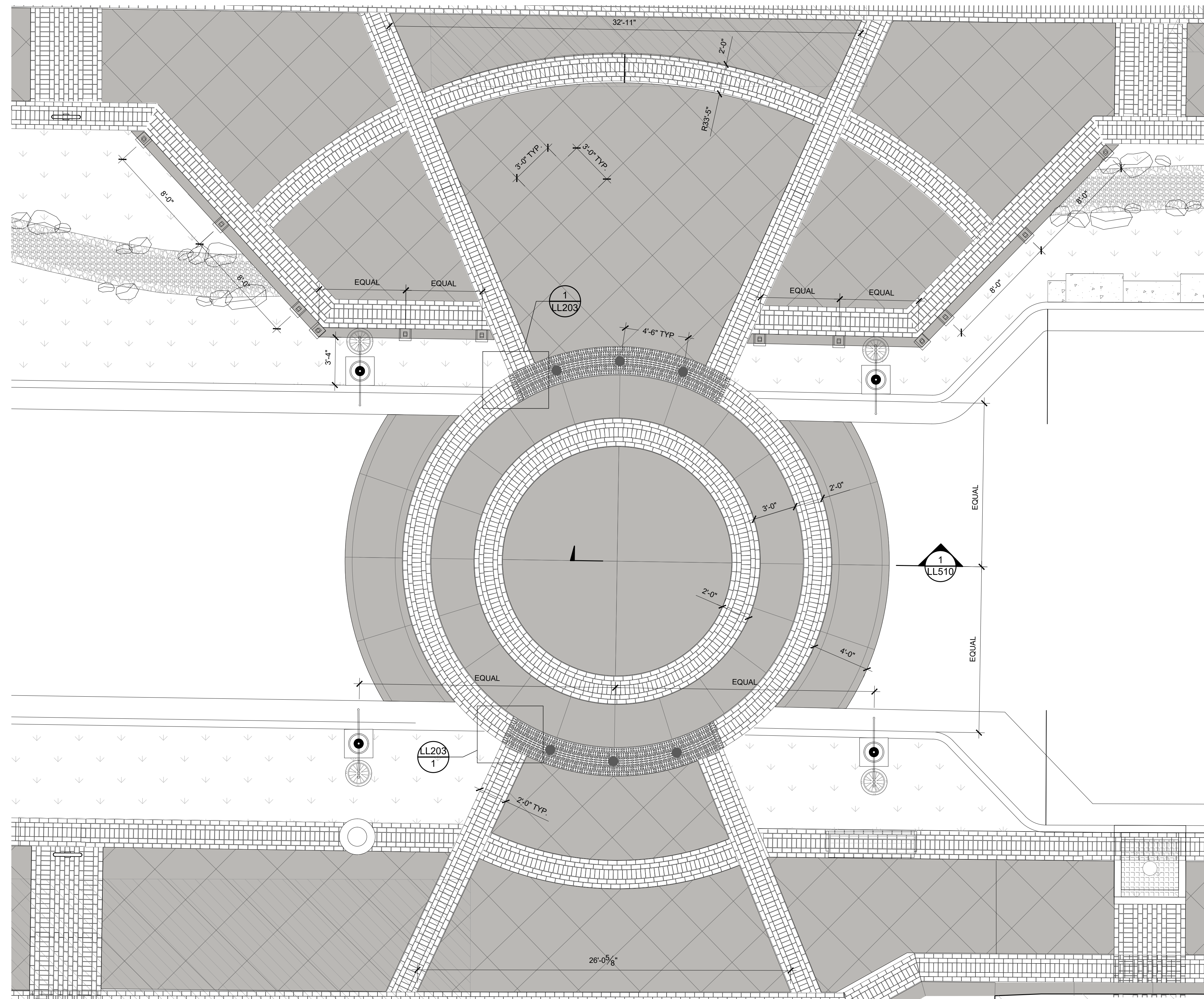
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**PAYSON CITY MAIN STREET**  
CROSSING ENLARGEMENTS



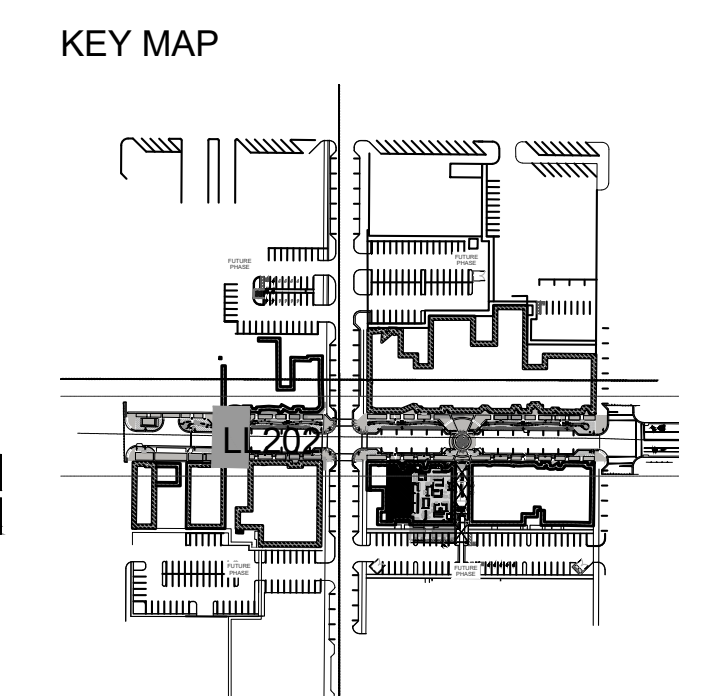
PROJECT NUMBER  
21-158  
SHEET  
6 OF 31  
SHEET NUMBER  
**LL201**

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01/10/2024 7:47:09 AM



1 NORTH NODE ENLARGEMENT  
1/4" = 1'-0"

P-21.158-120



NO.	DATE	DESCRIPTION

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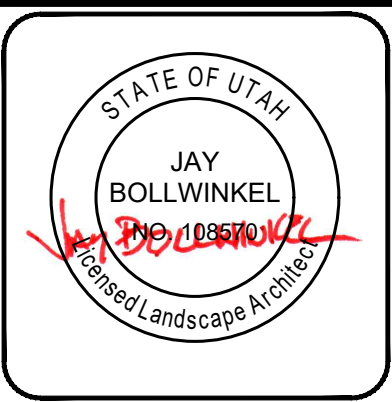
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PROJECT MANAGER  
**JAY BOLLWINKEL**  
CHECKED BY  
**JAY BOLLWINKEL**  
DRAWN BY  
**DEREK JENSON**  
DRAWING SCALE  
**AS SHOWN**  
ISSUE DATE  
**10/20/2023**

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**PAYSON CITY MAIN STREET**  
CROSSING ENLARGEMENTS

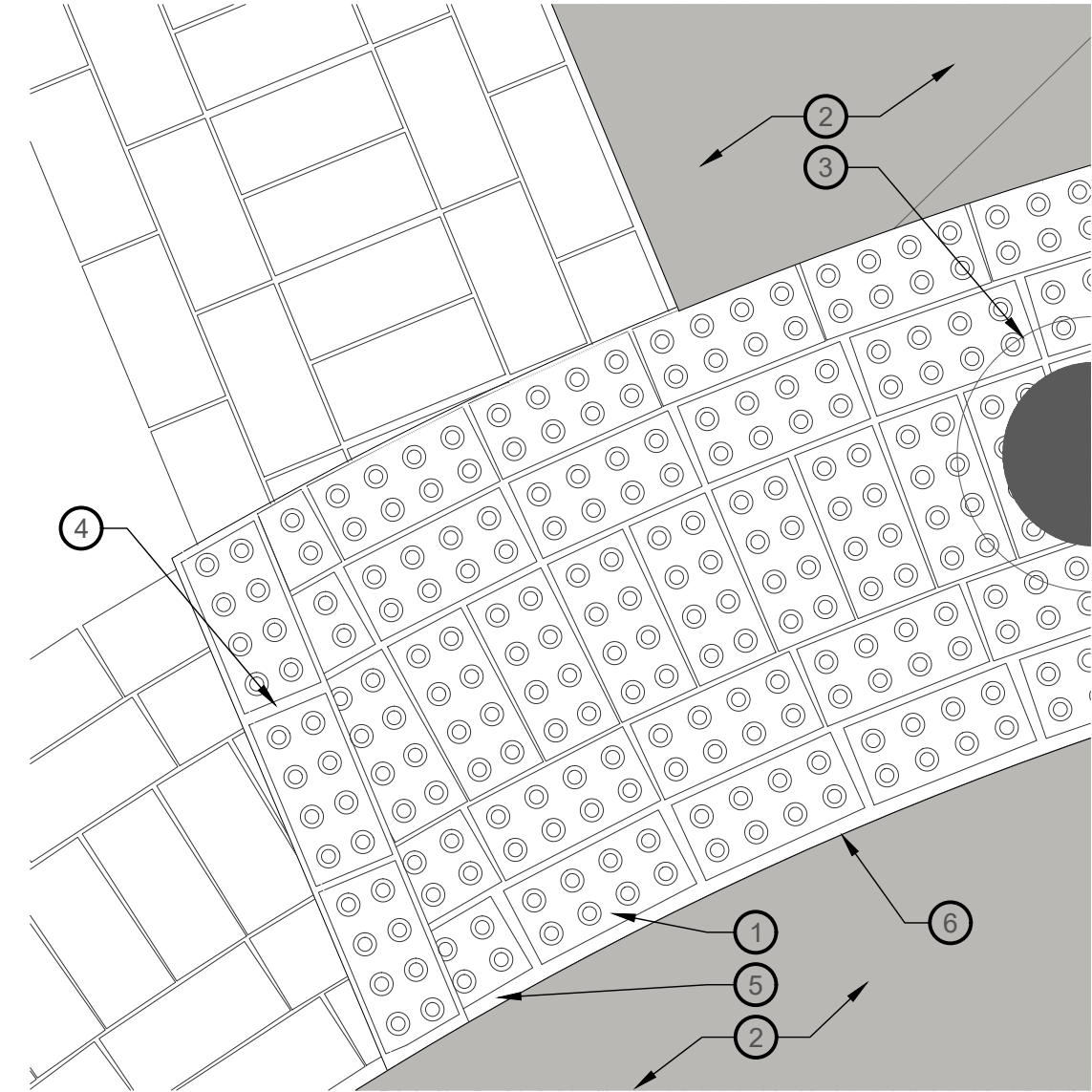


PROJECT NUMBER  
21-158  
SHEET  
7 OF 31  
SHEET NUMBER  
**LL202**

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NOTES:  
1. TRANSITIONS TO ADJACENT PAVING MATERIALS ARE TO BE FLUSH

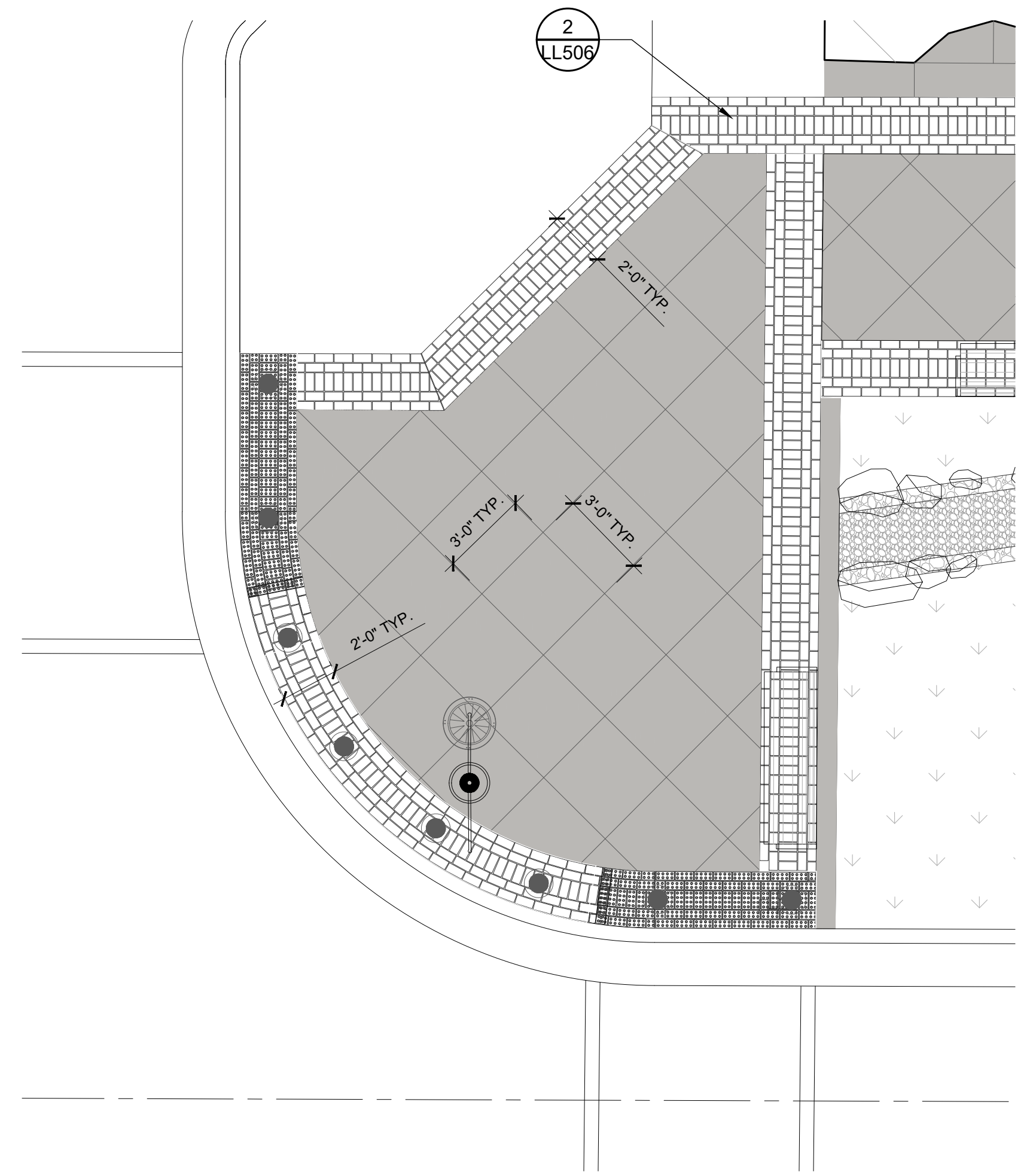
- ① TRUNCATED DOME PAVER 1/LL507
- ② CONCRETE SLAB 4/LL506
- ③ CUT PAVERS AROUND BOLLARD FOOTING
- ④ 1/4" MAXIMUM JOINTS
- ⑤ 1/2" EXPANSION JOINT - FULL CONCRETE SLAB PERIMETER 5/LL507
- ⑥ RADIAL EDGE - PAVER TRANSITION TO VEHICULAR 7/LL507



1 TRUNCATED DOME PAVER FIELD EDGE  
1 1/2" = 1'

P-21.158-119

NOTES:  
1. TRANSITIONS TO ADJACENT PAVING MATERIALS ARE TO BE FLUSH  
2. TERMINATING PAVERS IN PAVER BAND RUNS MAY NEED TO BE TRIMMED DIFFERENTLY THAN SHOWN DEPENDING ON ACTUAL LAYOUT. HOWEVER, DEPICTED INTENT SHOULD BE FOLLOWED  
3. THE INTERSECTION CORNER INTENTIONS DEPICTED ARE TO BE APPLIED TO ALL PROJECT INTERSECTION CORNERS



2 INTERSECTION CORNER ENLARGEMENT  
1/4" = 1'-0"

P-21.158-112

NO.	DATE	DESCRIPTION

0 1 2  
IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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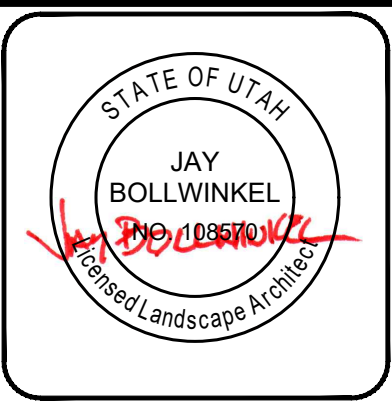
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**PAYSON CITY MAIN STREET**  
CROSSING ENLARGEMENTS



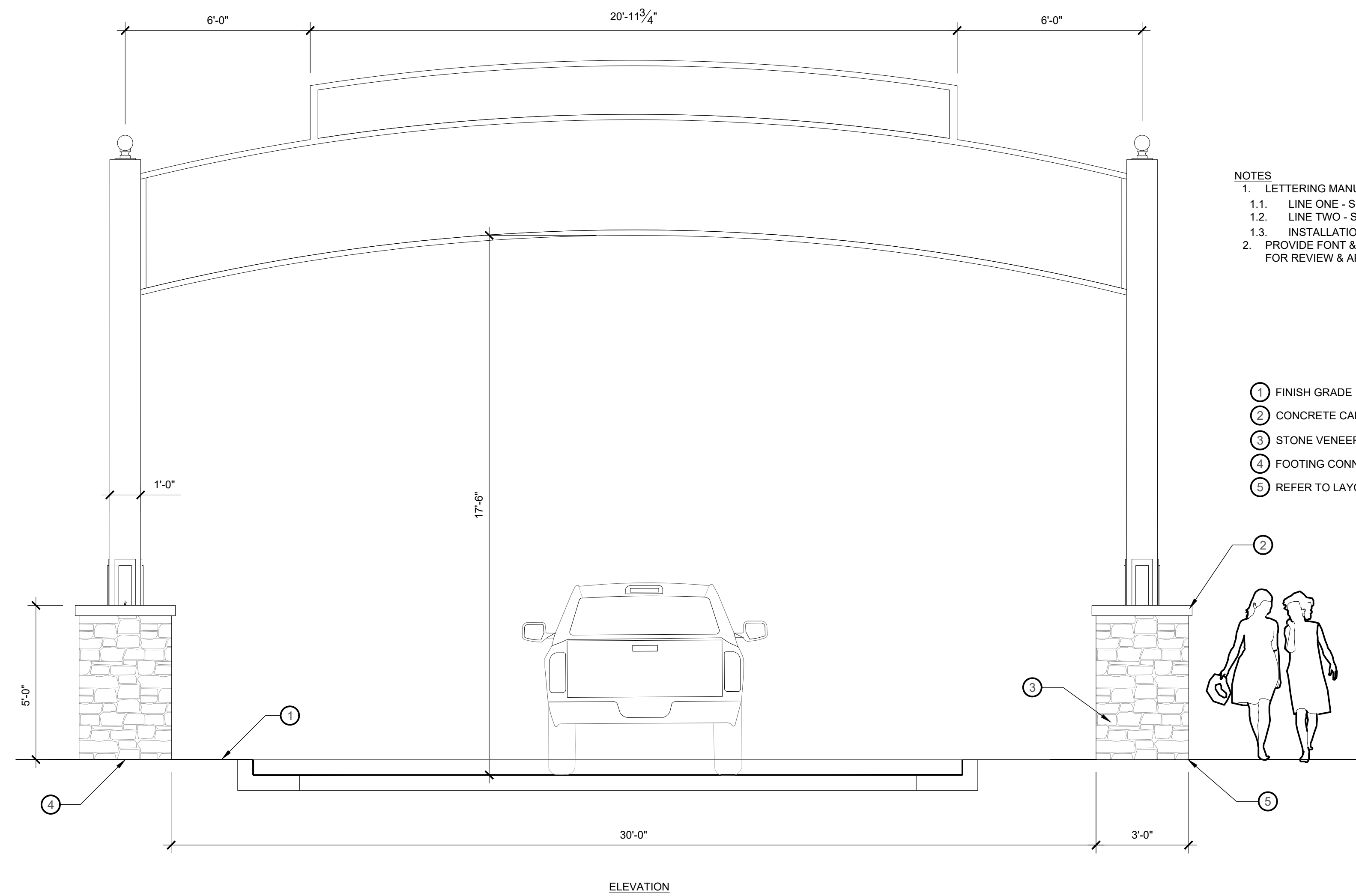
PROJECT NUMBER  
**21-158**

SHEET  
**8** OF  
**31**

SHEET NUMBER  
**LL203**

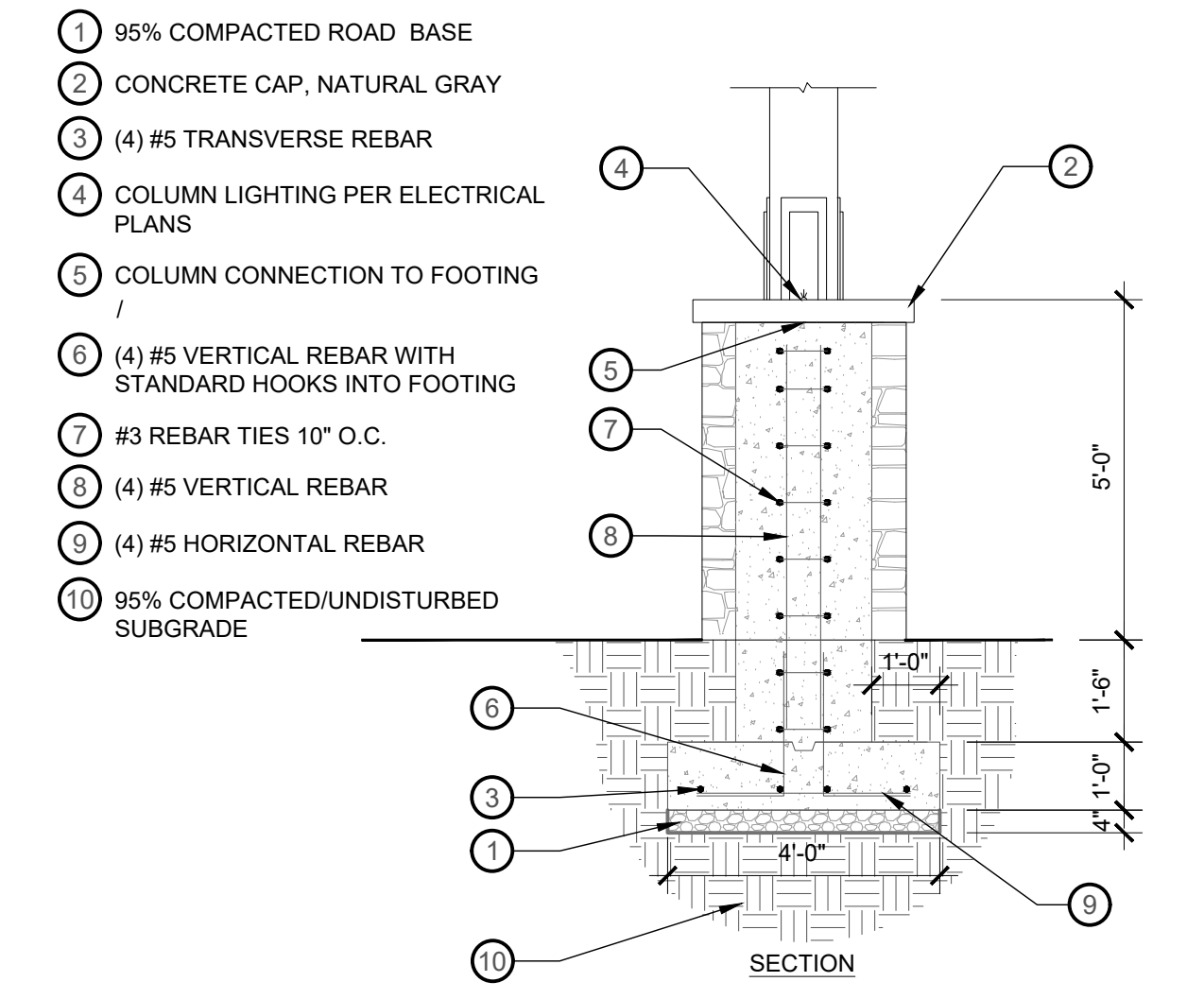


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- NOTES**
- LETTERING MANUFACTURER: AMERICAN SIGN LETTERS
    - LINE ONE - SIZE: 10", THICKNESS: 3/8"
    - LINE TWO - SIZE: 20", THICKNESS: 1"
    - INSTALLATION: STUD, 1/2" STANDOFF
  - PROVIDE FONT & COLOR SAMPLES TO MATCH CITY BRANDING FOR REVIEW & APPROVAL

- FINISH GRADE
- CONCRETE CAP, NATURAL GRAY SEE DETAIL 8/LL501
- STONE VENEER - TO MATCH EXISTING ARCH
- FOOTING CONNECTION 2/LL501
- REFER TO LAYOUT FOR POST LOCATION



**2 ENTRY ARCH FOOTING**  
3/8" = 1'-0" P-21.158-127

**1 HISTORIC DOWNTOWN ENTRY ARCH**  
3/8" = 1'-0" P-21.158-88

NO.	REVISION	DATE

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PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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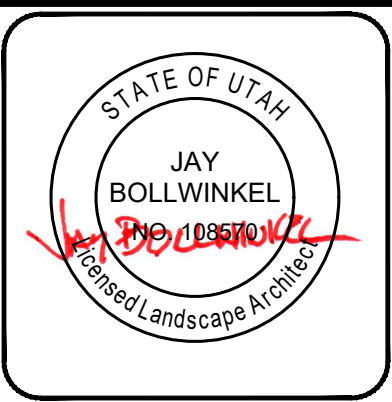
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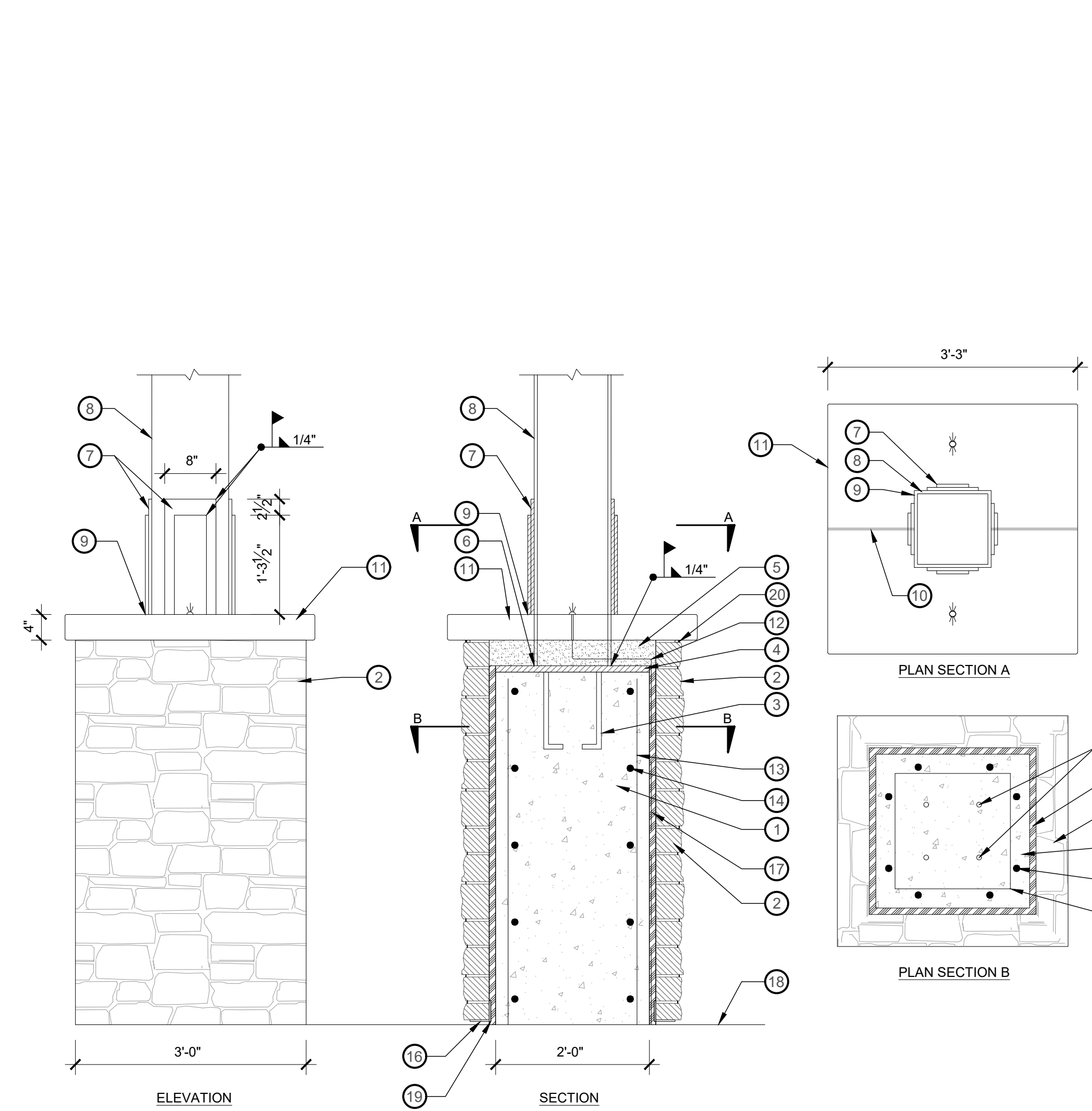
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**PAYSON CITY MAIN STREET**  
VERTICAL ELEMENT DETAILS

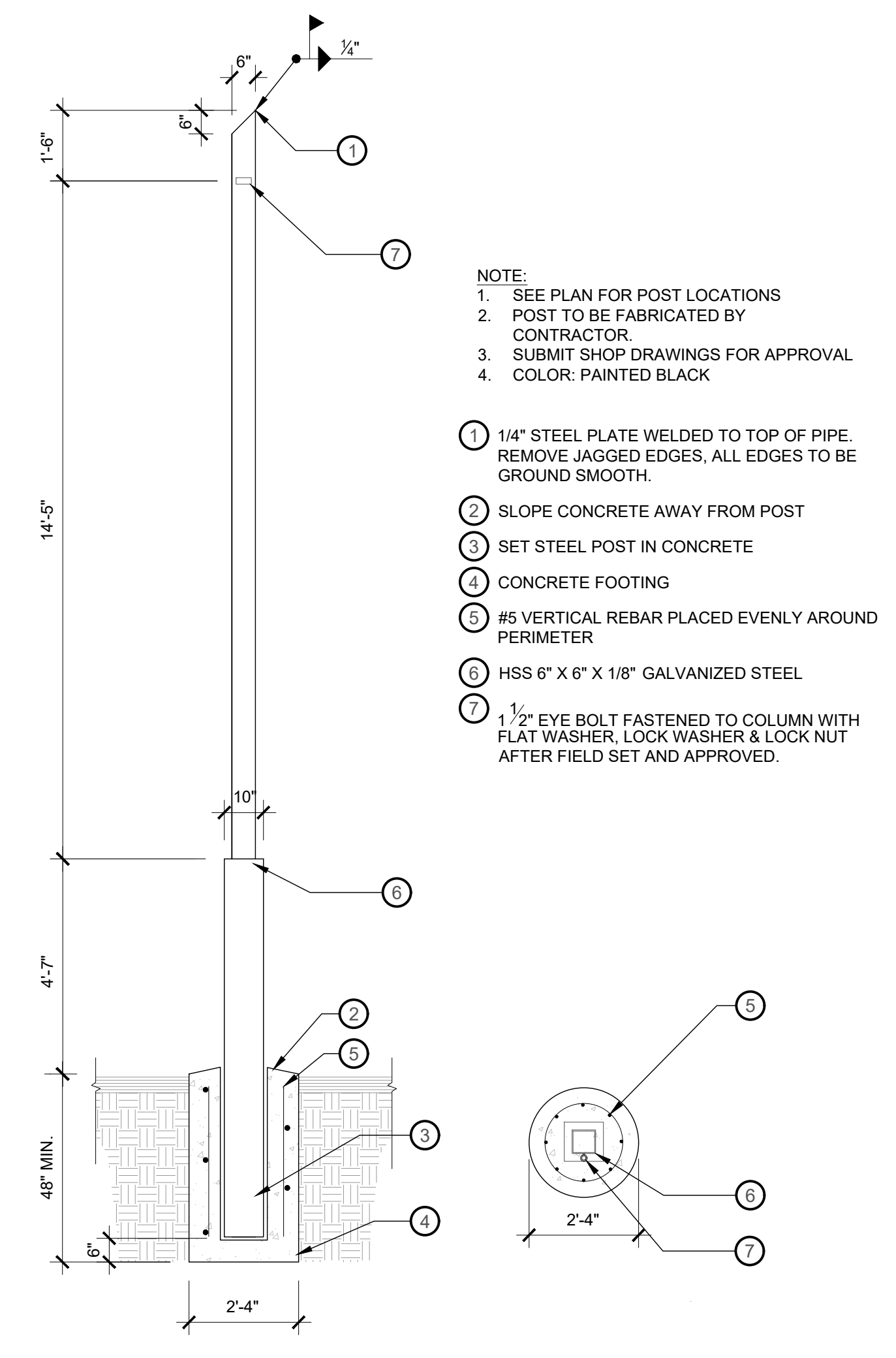


PROJECT NUMBER	21-158
SHEET	9 OF 31
SHEET NUMBER	<b>LL501</b>

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- 1 CONCRETE FOOTING WALL
- 2 STONE VENEER, MATERIAL: MOUNTAIN VALLEY QUARRY BLEND VENEER, FINISH: SPLIT, SHAPE: SQUARE AND RECTANGLES, JOINT: DRY STACK
- 3 1/2" ANCHOR BOLTS EMBEDDED 6 1/2" INTO CONCRETE
- 4 1 1/2" CONCRETE STEEL BASE PLATE
- 5 NON-SHRINK GROUT
- 6 HOT FLUID APPLIED WATER PROOFING (90 MLS) - COAT STEEL COLUMN & BASE PLATE BELOW CONCRETE CAP
- 7 1/2" THICK DECORATIVE STEEL PLATES - WELD FULL PERIMETER EXCEPT BOTTOM, CENTERED ON COLUMN
- 8 ENTRY ARCH COLUMN - BASE FULL PERIMETER WELDED TO 1 1/2" STEEL BASE PLATE
- 9 SEAL GAP AT PERIMETER OF STEEL COLUMN AFTER WELDING DECORATIVE PLATES
- 10 CONCRETE JOINT - FILL WITH POLYMER SELF LEVELING CONCRETE SEALANT
- 11 CONCRETE CAP - 1/4" RADIUS EDGES, ARCHITECTURAL CONCRETE
- 12 COLUMN LIGHTING ELECTRICAL WIRING
- 13 #5 VERTICAL REBAR
- 14 #5 TRANSVERSE REBAR
- 15 #5 HORIZONTAL REBAR
- 16 ANGLE IRON PLACED UNDER LAST WALL COURSE. ANGLE IRON TO FOLLOW THE SLOPE OF THE FINISH GRADE BELOW.
- 17 HI BOND MASONRY VENEER MORTAR
- 18 FINISH GRADE
- 19 ANGLE IRON PLACED UNDER LAST WALL COURSE. ANGLE IRON TO FOLLOW THE SLOPE OF THE FINISH GRADE BELOW.
- 20 3/8" MORTAR SETTING BED WITH BACKING ROD



- NOTE:
- 1. SEE PLAN FOR POST LOCATIONS
  - 2. POST TO BE FABRICATED BY CONTRACTOR
  - 3. SUBMIT SHOP DRAWINGS FOR APPROVAL
  - 4. COLOR: PAINTED BLACK
- 1 1/4" STEEL PLATE WELDED TO TOP OF PIPE. REMOVE JAGGED EDGES, ALL EDGES TO BE GROUND SMOOTH.
  - 2 SLOPE CONCRETE AWAY FROM POST
  - 3 SET STEEL POST IN CONCRETE
  - 4 CONCRETE FOOTING
  - 5 #5 VERTICAL REBAR PLACED EVENLY AROUND PERIMETER
  - 6 HSS 6" X 6" X 1/8" GALVANIZED STEEL
  - 7 1/2" EYE BOLT FASTENED TO COLUMN WITH FLAT WASHER, LOCK WASHER & LOCK NUT AFTER FIELD SET AND APPROVED.

3 COLUMN CONNECTION TO FOOTING  
3/4" = 1'-0"

2 STRING LIGHT GUIDE WIRE POST & FOOTING  
3/8" = 1'-0"

NO.	DATE	DESCRIPTION

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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**PAYSON CITY MAIN STREET**  
LIGHTING DETAILS

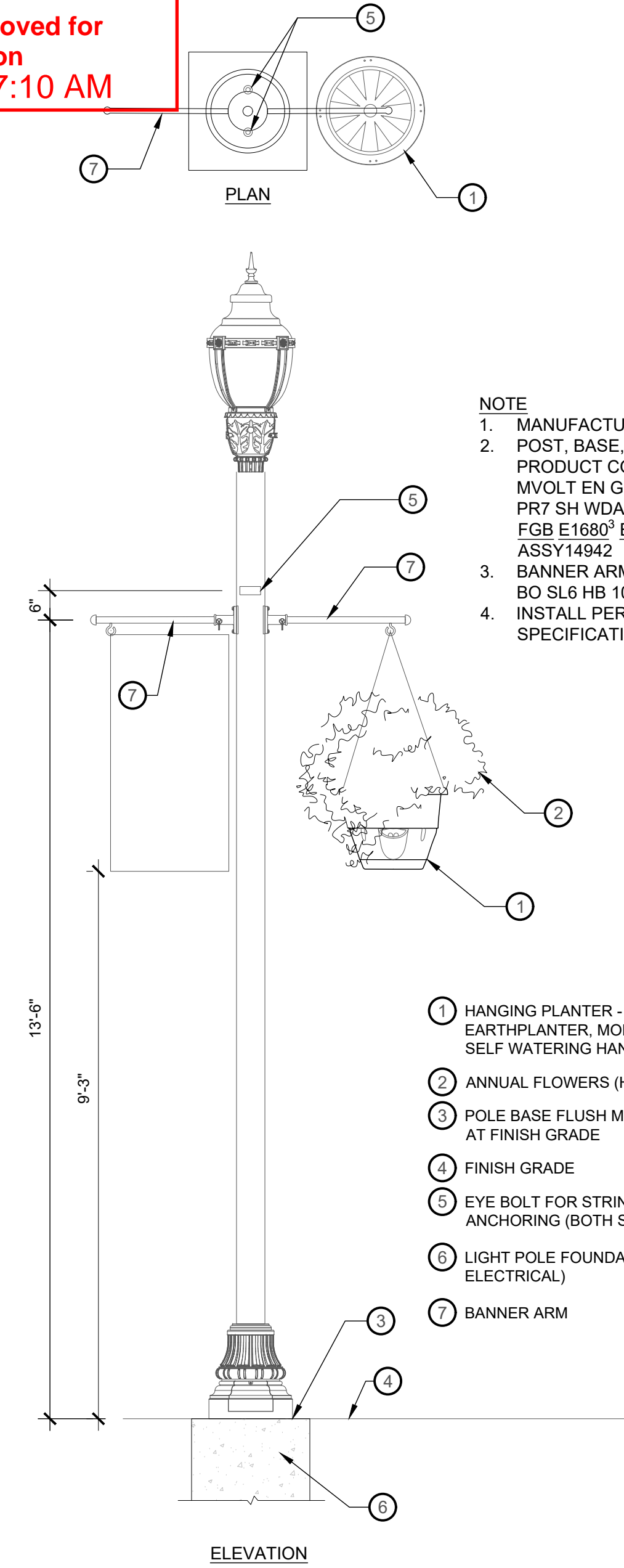
STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

PROJECT NUMBER  
**21-158**

SHEET  
**10** OF **31**

SHEET NUMBER  
**LL502**

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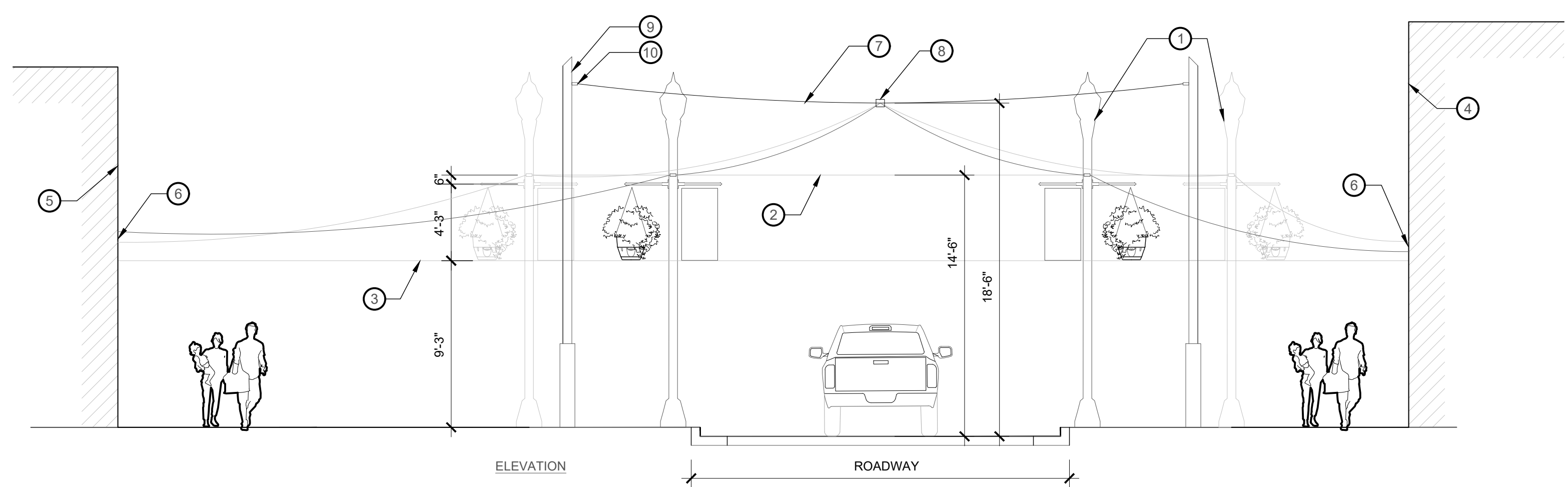


**NOTE**

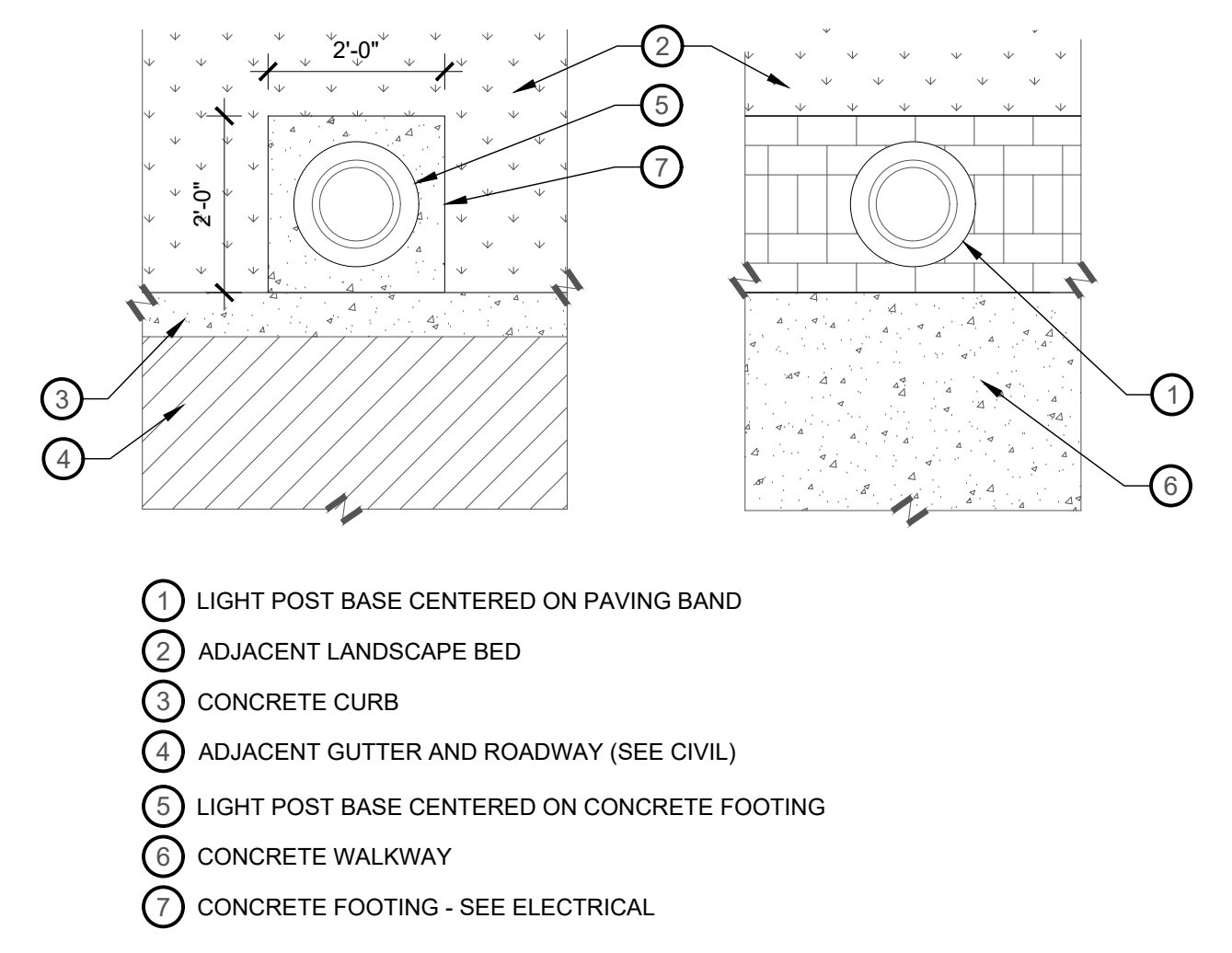
1. MANUFACTURER: HOLOPHANE
2. POST, BASE, AND FIXTURE PRODUCT CODE: WAE3 P40 40K MVOLT EN GL5LU BK SBR TBK PR7 SH WDA 16 SL6 17D C05 BK FGB E1680<sup>3</sup> E168180<sup>3</sup> ABG ASSY14942
3. BANNER ARMS CODE: BA 24IN 2A BO SL6 HB 100P BK SEB
4. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

- 1 HANGING PLANTER - MANUFACTURER: EARTHPLANTER, MODEL: PRO-SERIES 22 SELF WATERING HANGING BASKET
- 2 ANNUAL FLOWERS (HAND-WATERED BY CITY)
- 3 POLE BASE FLUSH MOUNTED WITH PAVING AT FINISH GRADE
- 4 FINISH GRADE
- 5 EYE BOLT FOR STRING LIGHT ANCHORING (BOTH SIDES)
- 6 LIGHT POLE FOUNDATION (SEE ELECTRICAL)
- 7 BANNER ARM

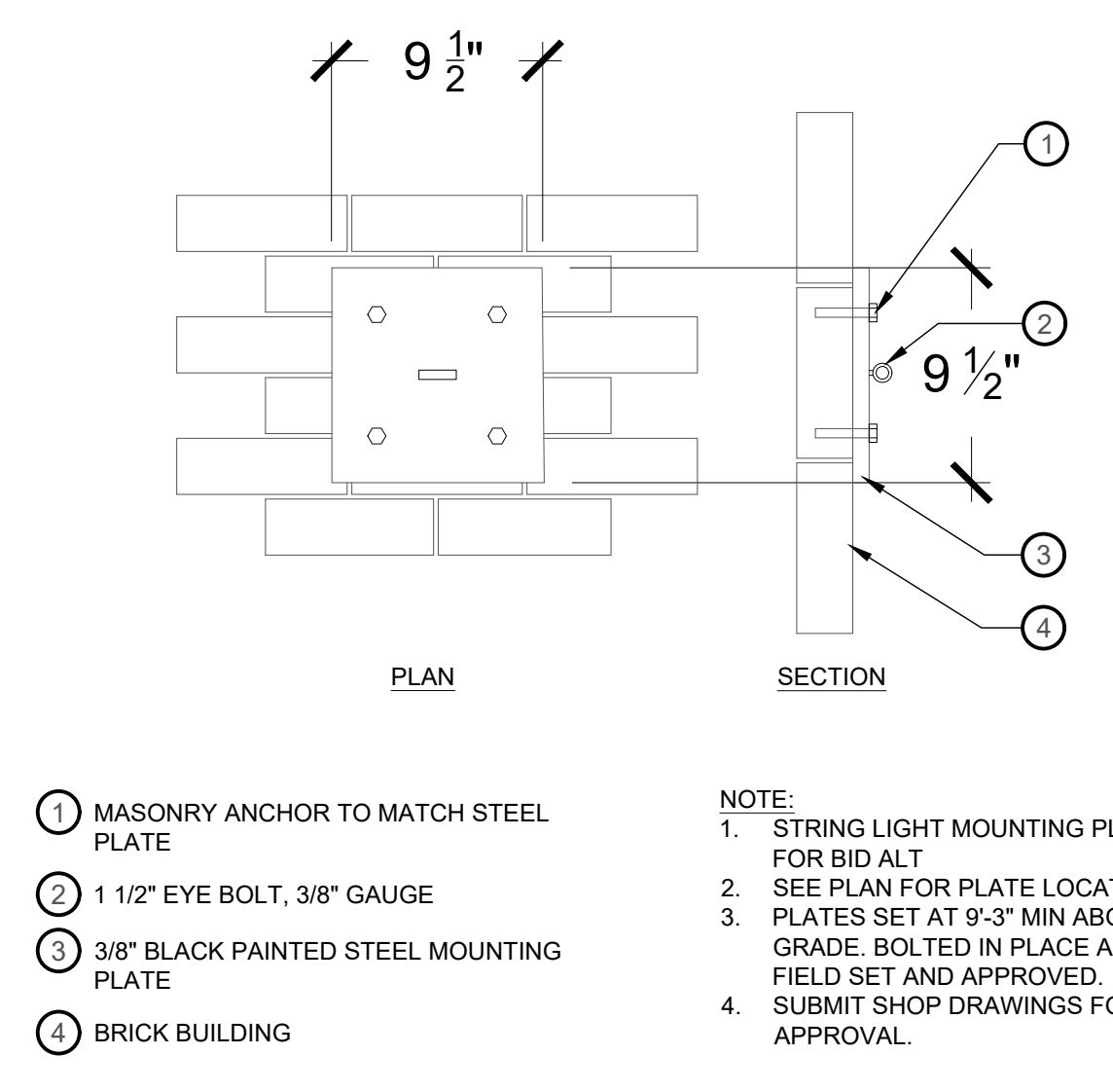
**1 MAIN STREET HISTORIC STREETLIGHT**  
1/2" = 1'-0" P-21.158-80



**2 STRING LIGHTS HUNG FROM POLES & GUIDE WIRE**  
3/16" = 1'-0"



**3 LIGHT POLE PLAN ENLARGEMENTS**  
1/2" = 1'-0" P-21.158-114



**NOTE:**

1. STRING LIGHT MOUNTING PLATES FOR BID ALT
2. SEE PLAN FOR PLATE LOCATIONS.
3. PLATES SET AT 9'-3" MIN ABOVE FINAL GRADE. BOLTED IN PLACE AFTER FIELD SET AND APPROVED.
4. SUBMIT SHOP DRAWINGS FOR APPROVAL.

**4 BRICK WALL STRING LIGHT MOUNTING PLATE**  
1" = 20" P-21.158-101

- 1 HISTORIC LIGHT POST
- 2 ROADWAY MINIMUM CLEARANCE (14'-6" ABOVE ROADWAY)
- 3 PEDESTRIAN WALKWAY MINIMUM CLEARANCE (9'-3" ABOVE WALKWAY)
- 4 WEST BUILDING FACADE
- 5 EAST BUILDING FACADE
- 6 STRING LIGHT BUILDING ATTACHMENT. LOCATIONS PER PLAN. HEIGHT VARIES. FIT IN FIELD AND GET OWNER APPROVAL BEFORE INSTALLATION. 4/LL503
- 7 GUIDE WIRE HUNG SO THAT BOTTOM POINT OF SAG REACHES 18'-6" ABOVE ROADWAY
- 8 STRING LIGHTS TO BE MECHANICALLY FASTENED TO GUIDE WIRE ABOVE CENTERLINE OF ROAD. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- 9 STRING LIGHT GUIDE WIRE POST SPACED (PER PLAN) 2/LL502
- 10 EYE BOLT CONNECTION WITH TURNBUCKLE TIGHTENING MECHANISM

**NOTE**

1. STRING LIGHTS HANGING FROM STREET LIGHTS TO BUILDING FACADES OVER PEDESTRIAN WALKWAYS TO BE INCLUDED AS AN ADD ALT.
2. SEE LAYOUT PLANS FOR DIMENSIONS

P-21.158-118

NO.	REVISION	DATE

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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**PAYSON CITY MAIN STREET**  
LIGHTING DETAILS

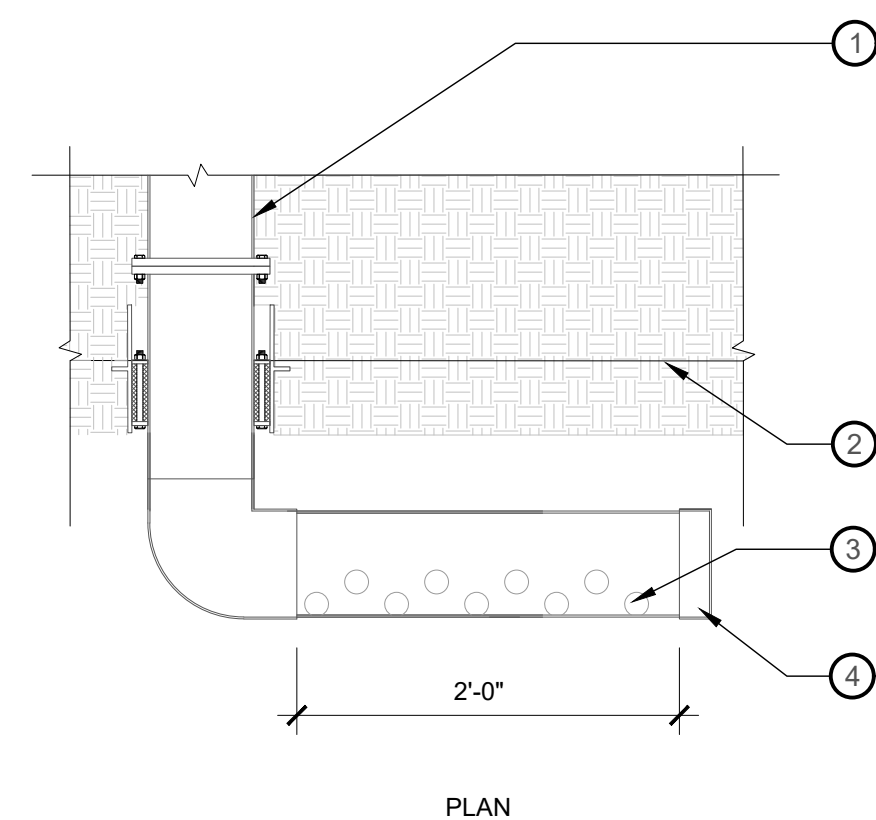
STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architects

PROJECT NUMBER  
**21-158**

SHEET  
**11** OF **31**

SHEET NUMBER  
**LL503**

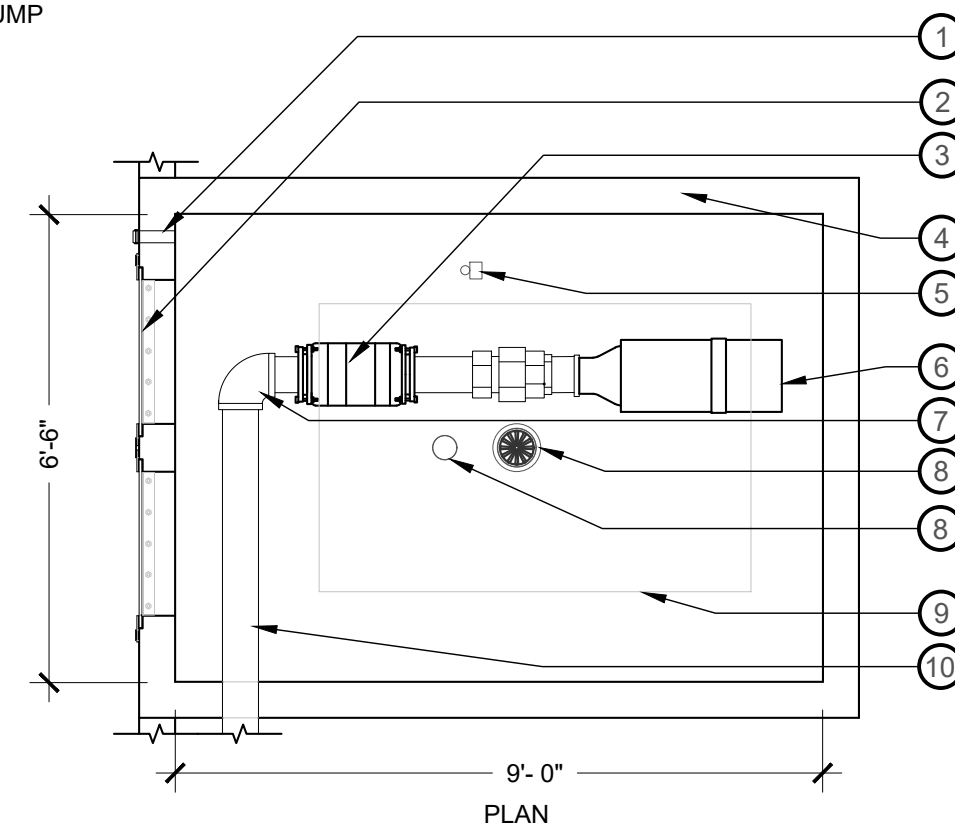
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**1** WATER PIPE SOURCE FITTING  
1" = 1'-0" P-21.158-03

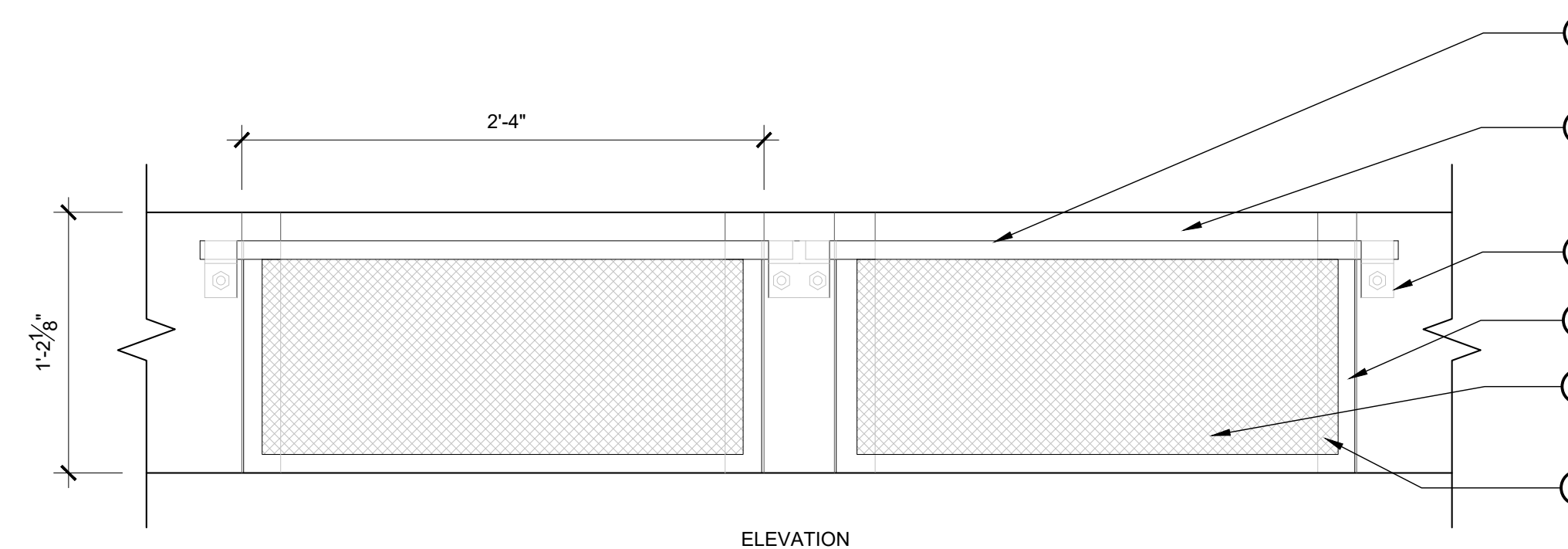
- ① 6" PVC PIPE WITH FLANGE.
- ② WATER FEATURE LINER
- ③ MIN. OF (50) 1 1/2" DIA. HOLES DRILLED, SPACED AT 2 1/2" O.C. HOLES TO BE DRILLED ON FRONT HALF OF PIPE AS SHOWN.
- ④ PVC END CAP

- ① 2" SLEEVE THROUGH VAULT WALL WITH SINGLE BOLT PLACED HORIZONTALLY ON FISH HABITAT SIDE OF VAULT WALL
- ② VAULT SCREEN
- ③ 8" SWING CHECK VALVE, WATERMAN USA PC-30
- ④ COMBINATION HYDRAULIC WATER LEVEL AND OVERFLOW ASSEMBLY
- ⑤ SAFE-OFF WATER LEVEL SENSOR
- ⑥ SUBMERSIBLE PUMP
- ⑦ 6" SCH. 80 PVC ELBOW
- ⑧ VAULT DRAINS
- ⑨ BILCO TRD-3 48" X 72" ACCESS HATCH.
- ⑩ 8" SCH. 80 PVC

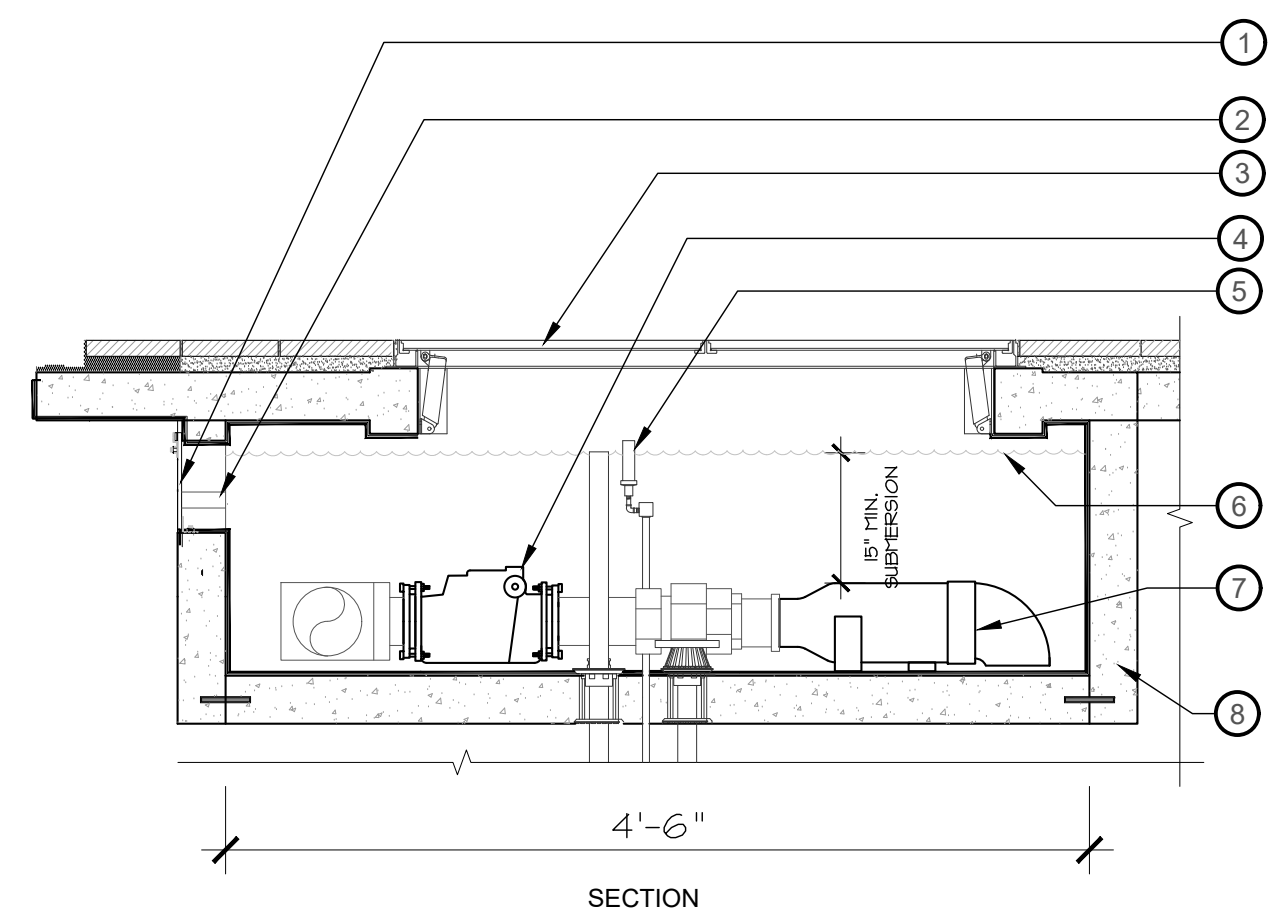


**2** AQUATIC PUMP VAULT  
NTS P-21.158-06

- ① 1"x1/4" STAINLESS STEEL BAR, WELDED TO TOP OF FRAME
- ② 1 1/2" CLEAR AREA
- ③ SUPPORT BRACKET
- ④ 1"x1/2" STAINLESS STEEL FRAME
- ⑤ STAINLESS STEEL 16 GA. PLATE - PERFORATED: 3/8" DIAMETER HOLES, STAGGERED ON 1/2" CENTERS.
- ⑥ STAINLESS STEEL ANGLE BEYOND



**3** AQUATIC PUMP VAULT SCREEN  
1 1/2" = 1'-0" P-21.158-07



**4** AQUATIC PUMP VAULT  
1" = 1'-0" P-21.158-08

- ① VAULT SCREEN
- ② 2" PIPE THROUGH WALL OF VAULT
- ③ BILCO TRD-3 48" X 72" ACCESS HATCH. SEE LAYOUT PLANS
- ④ 8" SWING CHECK VALVE, WATERMAN USA PC-30
- ⑤ CRYSTAL FOUNTAINS SAFE-OFF ADAPTABLE WATER LEVEL SENSOR, MODEL ESL. WIRED DIRECTLY TO SUBMERSIBLE PUMPS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- ⑥ OPERATING WATER LEVEL
- ⑦ SUBMERSIBLE PUMP
- ⑧ REINFORCED CONCRETE FOUNTAIN BASIN WITH 45 MM AQUATIC GRADE PVC LINER AND 8 OZ. NON-WOVEN GEOTEXTILE

\*6" OVERFLOW PIPE, DRAIN TO STORM DRAIN (SEE PLAN)

NO.	DESCRIPTION	DATE

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PRINCIPAL: JAY BOLLWINKEL  
PROJECT MANAGER: JAY BOLLWINKEL  
CHECKED BY: JAY BOLLWINKEL  
DRAWN BY: DEREK JENSON  
DRAWING SCALE: AS SHOWN  
ISSUE DATE: 10/20/2023

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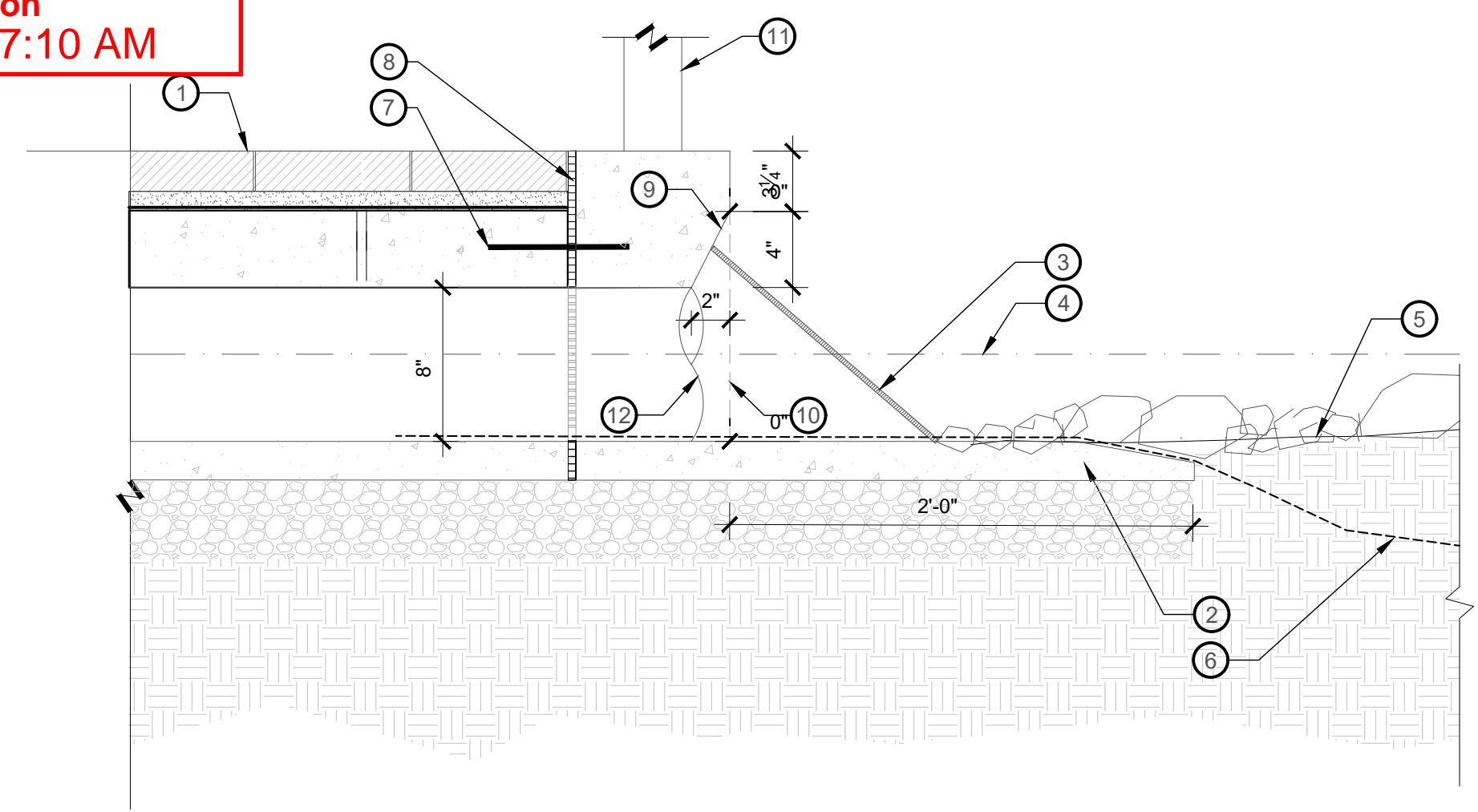
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**PAYSON CITY MAIN STREET**  
WATER FEATURE DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architects

PROJECT NUMBER: 21-158  
SHEET: 12 OF 31  
SHEET NUMBER: LL504

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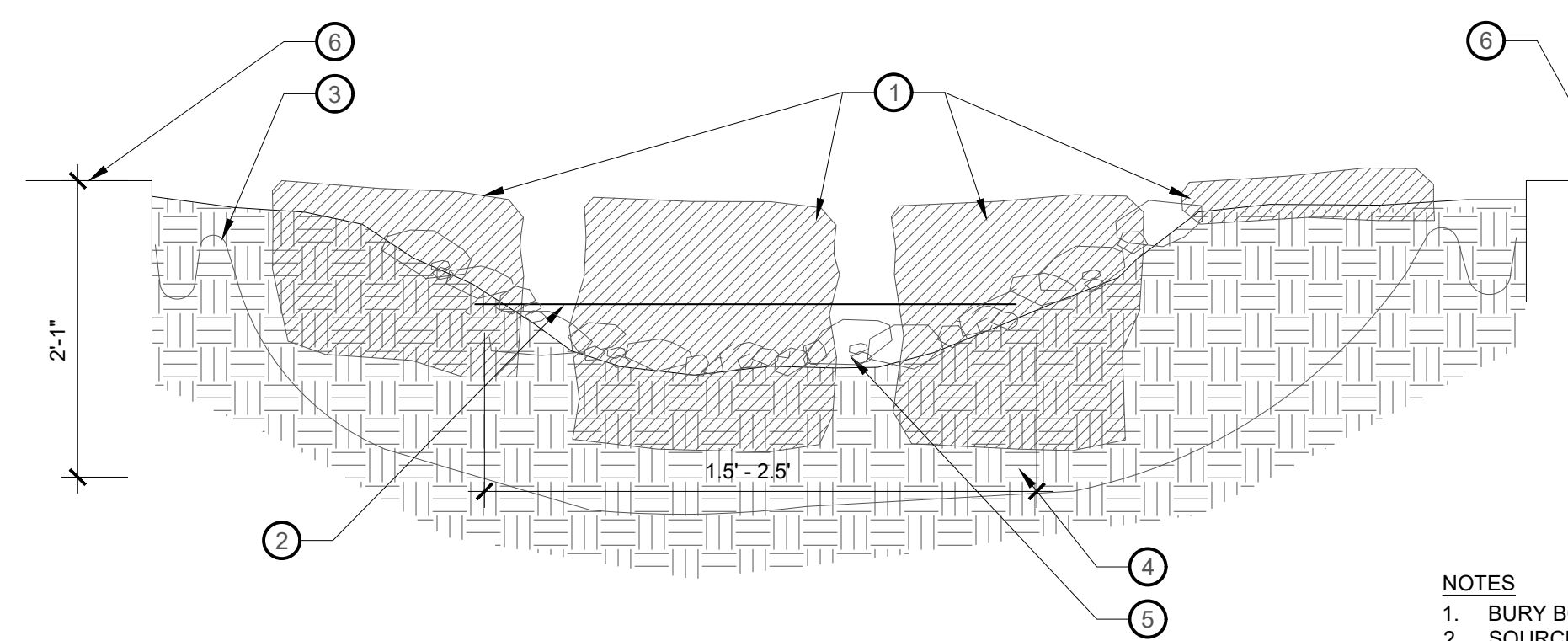


- 1 ADJACENT PAVING
- 2 CONCRETE TOE EXTENSION
- 3 ANGLED METAL TRASH SCREEN - COLOR: BRONZE
- 4 WATER LEVEL
- 5 STREAM BASE
- 6 WATER LINER
- 7 1/2" X 8" STEEL DOWEL W/ SLEEVE 24" O.C.
- 8 EXP. JT. MATERIAL 1/2" x SLAB DEPTH - SEE NOTES
- 9 ALCOVE INSET FROM FACE OF CONCRETE WALL AROUND DRAIN TYPICAL FACE OF CONCRETE WALL
- 10 DECORATIVE FENCE POST
- 12 8" CONCRETE PIPE INLET

NOTE  
EXTEND WATERPROOF LINER UP INTO PIPE SO THAT NO WATER FLOWS BENEATH CONCRETE.  
PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.

1 STREAM BED TO PIPE CONNECTION  
1 1/2" = 1'-0"

P-21.158-123

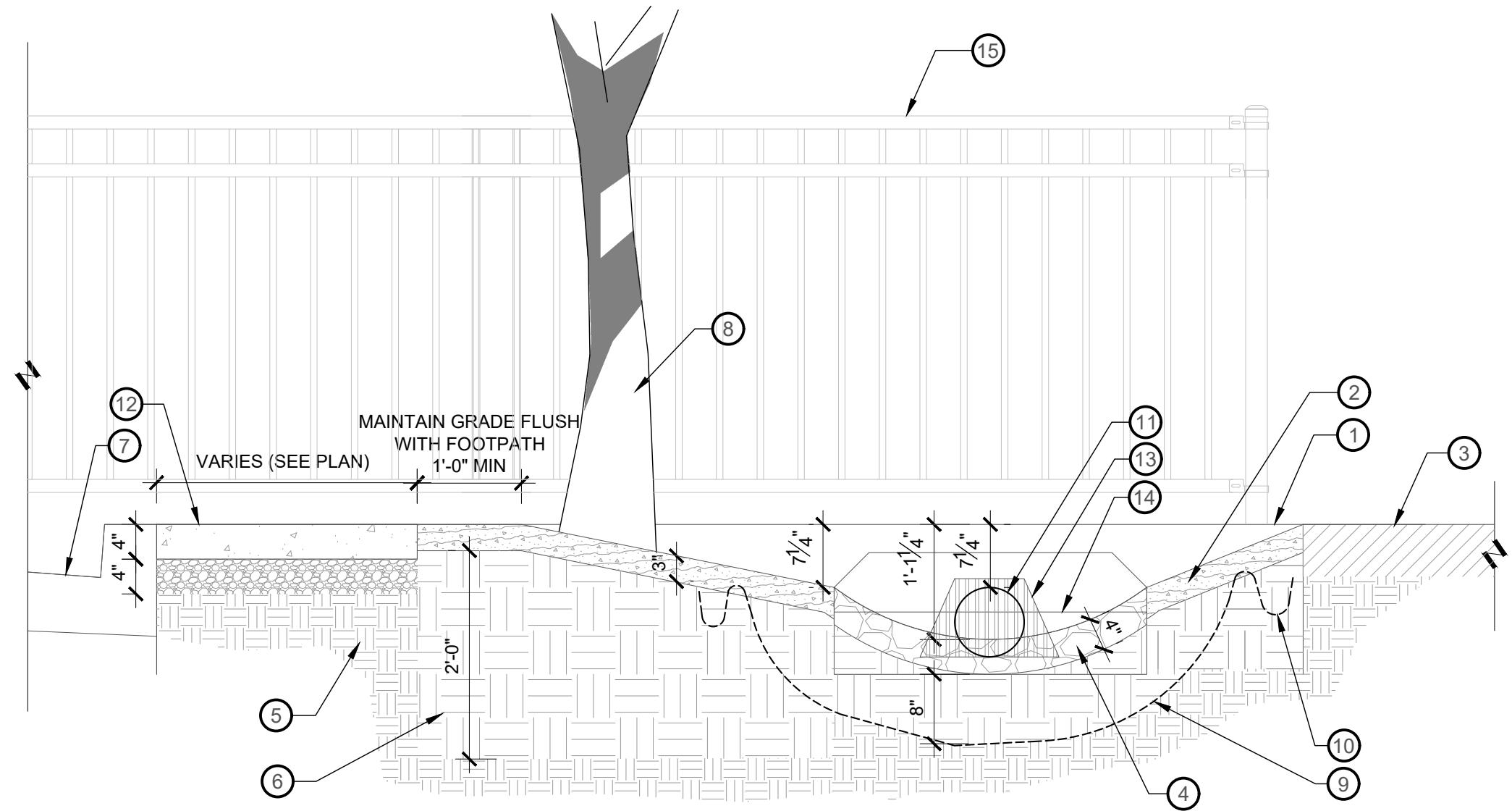


- 1 NATURAL FLAT STONE SLAB PEDESTRIAN CROSSING (1'-6" WIDTH, DEPTH VARIES TO BE SET IN SOIL 1/3 TOTAL ROCK DEPTH)
- 2 WATER SURFACE 1.5'-2.5' WIDTH
- 3 8" X 8" CONTINUOUS ANCHOR TRENCH BACKFILL SOLID WITH SOIL - TOP OF LINER TO BE A MIN. 6" ABOVE WATER SURFACE ELEVATION
- 4 8" TO 10" EARTH COVER OVER 30 MIL PVC LINER
- 5 1" TO 8" DIA. COBBLE ROCK SPREAD OVER 8"-10" EARTH COVER
- 6 ADJACENT PAVING

NOTES  
1. BURY BOULDERS TO 1/3 DEPTH  
2. SOURCE FROM LOCAL QUARRY - WITHIN 100 MILES  
3. PROVIDE PHYSICAL STONE SAMPLES FOR REVIEW & APPROVAL

2 NATURAL FLAT STONE SLAB PEDESTRIAN CROSSING - STREAM BED SECTION  
1" = 1'-0"

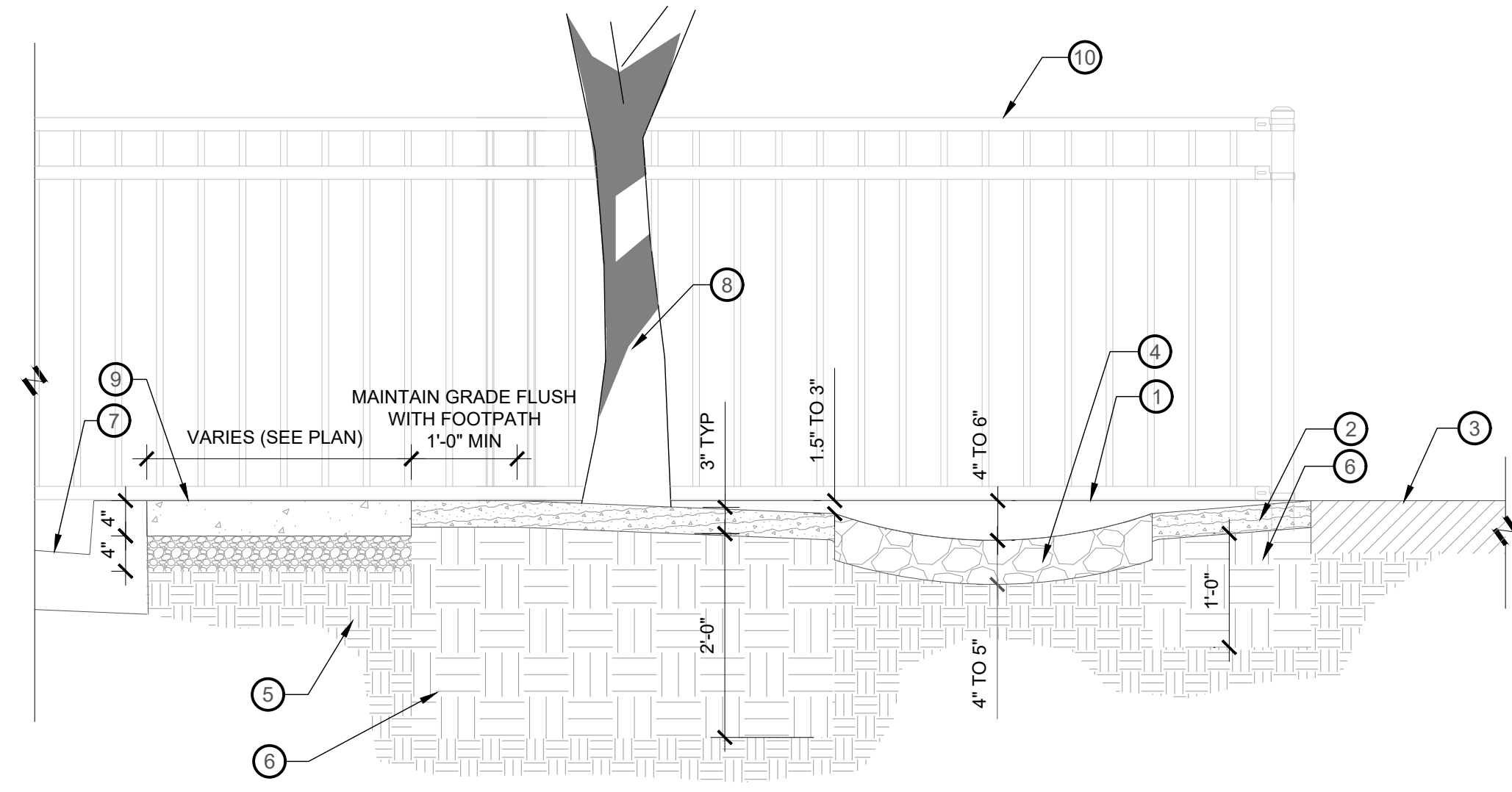
P-21.158-39



- 1 DECORATIVE FENCE FOUNDATION WALL
- 2 BARK MULCH
- 3 ADJACENT WALKWAY
- 4 WATER FEATURE RIVER COBBLE
- 5 UNDISTURBED SUBGRADE
- 6 ADDED TOPSOIL 24" DEPTH IN BEDS WITH TREES 12" DEPTH IN BEDS WITHOUT TREES
- 7 CURB AND GUTTER (SEE CIVIL PLANS)
- 8 STREET TREE (SEE PLANS FOR SPACING)
- 9 8" TO 10" EARTH COVER OVER 30 MIL PVC LINER
- 10 8" X 8" CONTINUOUS ANCHOR TRENCH BACKFILL SOLID WITH SOIL - TOP OF LINER TO BE 4" - 6" ABOVE WATER SURFACE ELEVATION
- 11 8" CONCRETE PIPE - SEE DETAIL: 1/LL505
- 12 EXPOSED AGGREGATE CONCRETE FOOTPATH
- 13 TRASH GRATE OVER CONCRETE ALCOVE
- 14 WATER LEVEL
- 15 DECORATIVE FENCE AT CROSSING NODE

3 STREAM BED PIPE CONNECTION CROSS SECTION  
3/4" = 1'-0"

P-21.158-134



- 1 DECORATIVE FENCE FOUNDATION WALL
- 2 BARK MULCH
- 3 ADJACENT WALKWAY
- 4 DRY CREEK BED RIVER COBBLE
- 5 UNDISTURBED SUBGRADE
- 6 ADDED TOPSOIL 24" DEPTH IN BEDS WITH TREES 12" DEPTH IN BEDS WITHOUT TREES
- 7 CURB AND GUTTER (SEE CIVIL PLANS)
- 8 STREET TREE (SEE PLANS FOR SPACING)
- 9 EXPOSED AGGREGATE CONCRETE FOOTPATH
- 10 DECORATIVE FENCE AT CROSSING NODE

NOTES  
GRADE TO HAVE NATURAL VARIATION IN MULCH AREAS

4 DRY CREEK BED CROSS SECTION  
3/4" = 1'-0"

P-21.158-136

NO.	REVISION	DATE

0 1 2  
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DRAWING SCALE: AS SHOWN  
ISSUE DATE: 10/20/2023

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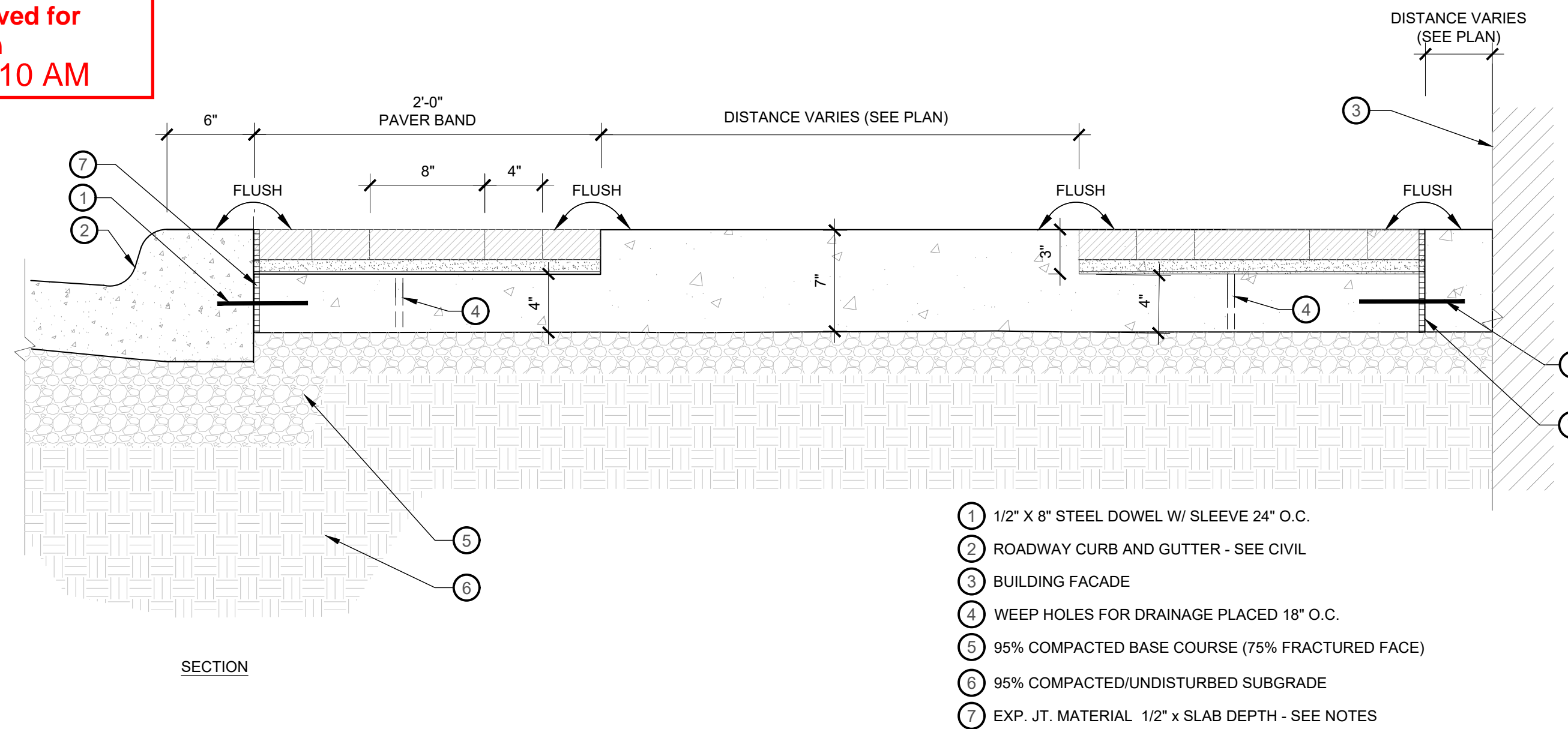
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**PAYSON CITY MAIN STREET**  
WATER FEATURE DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

PROJECT NUMBER: 21-158  
SHEET: 13 OF 31  
SHEET NUMBER: LL505

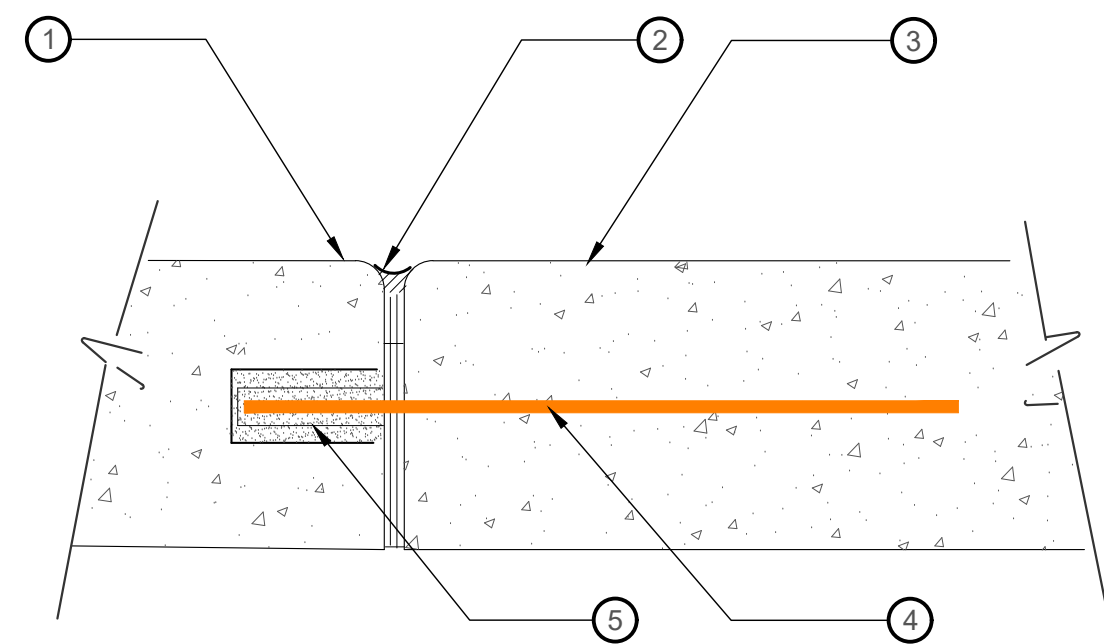
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**1** WALKWAY CROSS SECTION  
1 1/2" = 1'-0"

P-21.158-113

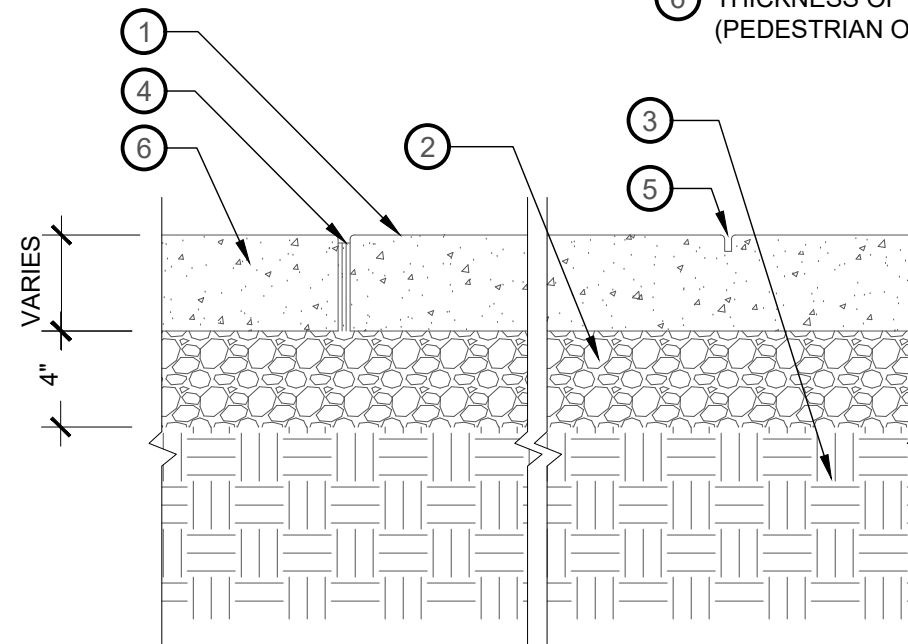
- 1 EXISTING CONCRETE PAVING.
- 2 EXPANSION JOINT: 1/2" FELT WITH BREAK AWAY TAB, CAULK WITH GREY SEALANT.
- 3 NEW CONCRETE PAVING.
- 4 1/2" DIA. X 18" SMOOTH STEEL DOWEL W/ SLEEVE AT 48" O.C., TWO MINIMUM PER JOINT.
- 5 DRILL A 1-1/2" DIA. X 3" HOLE IN THE EXISTING CONCRETE AND IMBED THE SLEEVE WITH HIGH STRENGTH GROUT.



**3** CONCRETE JOINT AT EXISTING PAVING  
3" = 1'-0"

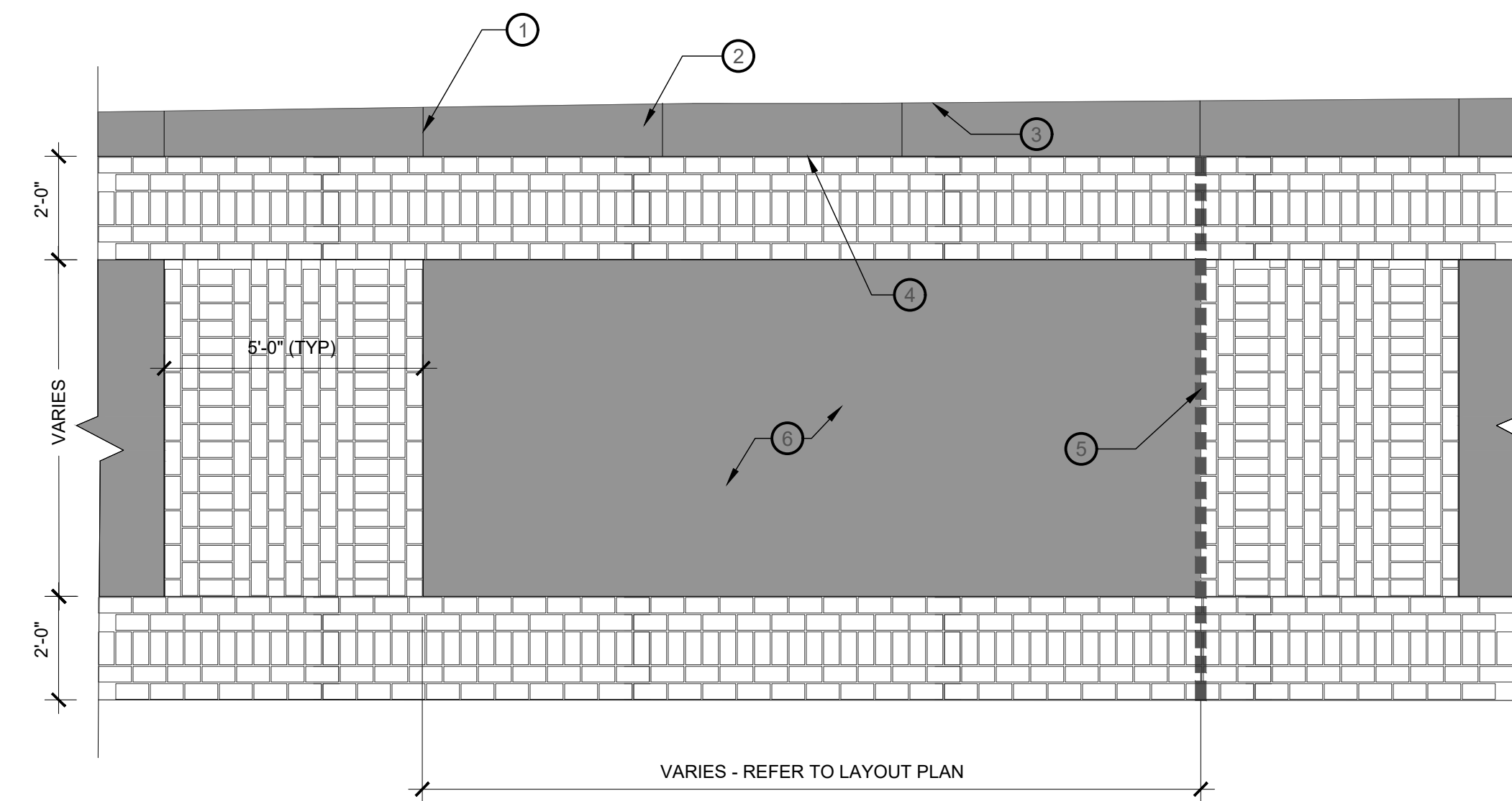
P-21.158-62

- 1 NEW CONCRETE PAVING
- 2 95% COMPACTED BASE COURSE (75% FRACTURED FACE)
- 3 UNDISTURBED SUBGRADE OR 95% COMPACTION
- 4 1/2" EXPANSION JOINT (SEE PLANS FOR SPACING)
- 5 1/4" x 1" TOOLED CONTROL JOINT (SEE PLANS FOR SPACING)
- 6 THICKNESS OF CONCRETE VARIES (PEDESTRIAN OR VEHICULAR)



**4** CONCRETE EXPANSION AND CONTROL JOINTS  
1" = 1'-0"

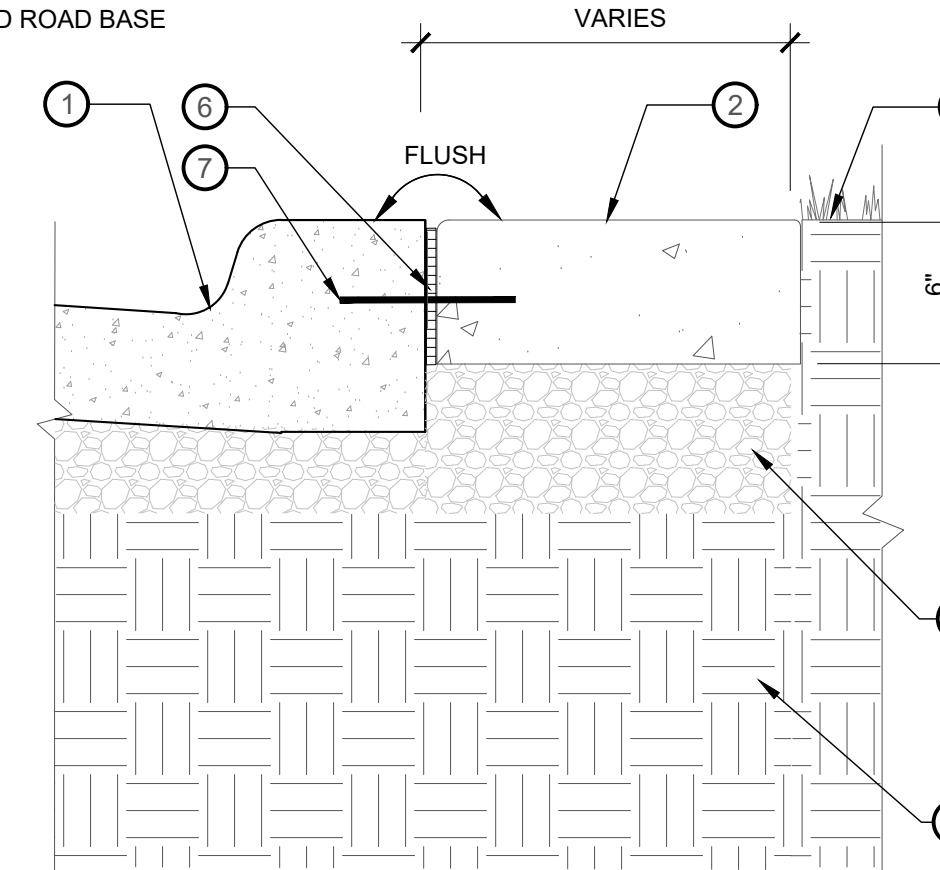
P-21.158-65



**2** MAIN STREET TYPICAL WALKWAY PAVING PATTERN  
3/8" = 1'-0"

P-21.158-12

- 1 ROADWAY CURB AND GUTTER (SEE CIVIL)
- 2 EXPOSED AGGREGATE CONCRETE
- 3 LANDSCAPE
- 4 95% COMPACTED ROAD BASE
- 5 S95% COMPACT/UNDISTURBED SUBGRADE
- 6 EXP. JT. MATERIAL 1/2" x 8"
- 7 STEEL DOWEL W/ SLEEVE 24" O.C.



**5** EXPOSED AGGREGATE CONCRETE FOOTPATH  
1 1/2" = 1'-0"

P-21.158-116

- 1 EDGE CONCRETE SCORING - REFER TO LAYOUT
- 2 VARIABLE WIDTH CONCRETE ALONG BUILDING TO CREATE CONSISTENT EDGE FOR PAVING
- 3 ADJACENT ARCHITECTURE
- 4 STRAIGHT CONCRETE EDGE - REFER TO LAYOUT PLANS
- 5 WALKWAY SECTION EXPANSION JOINT (SPACED EVERY 40-50' AT PAVER BANDING EDGE) EXP. JT. MATERIAL 1/2" x SLAB DEPTH
- 6 CONCRETE SURFACE - REFER TO LAYOUT FOR SCORING 4/LL506

NOTES

1. FIELD FIT AND MAKE WALKWAY WIDTH ADJUSTMENTS IN THE CONCRETE IF NECESSARY TO PRESERVE THE PAVING PATTERN CONTINUITY.
2. VERIFY ADJUSTMENTS WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
3. REFER TO LAYOUT PLANS FOR ADDITIONAL CONTROL JOINTS

NO.	DESCRIPTION	DATE

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DRAWN BY: DEREK JENSON  
DRAWING SCALE: AS SHOWN  
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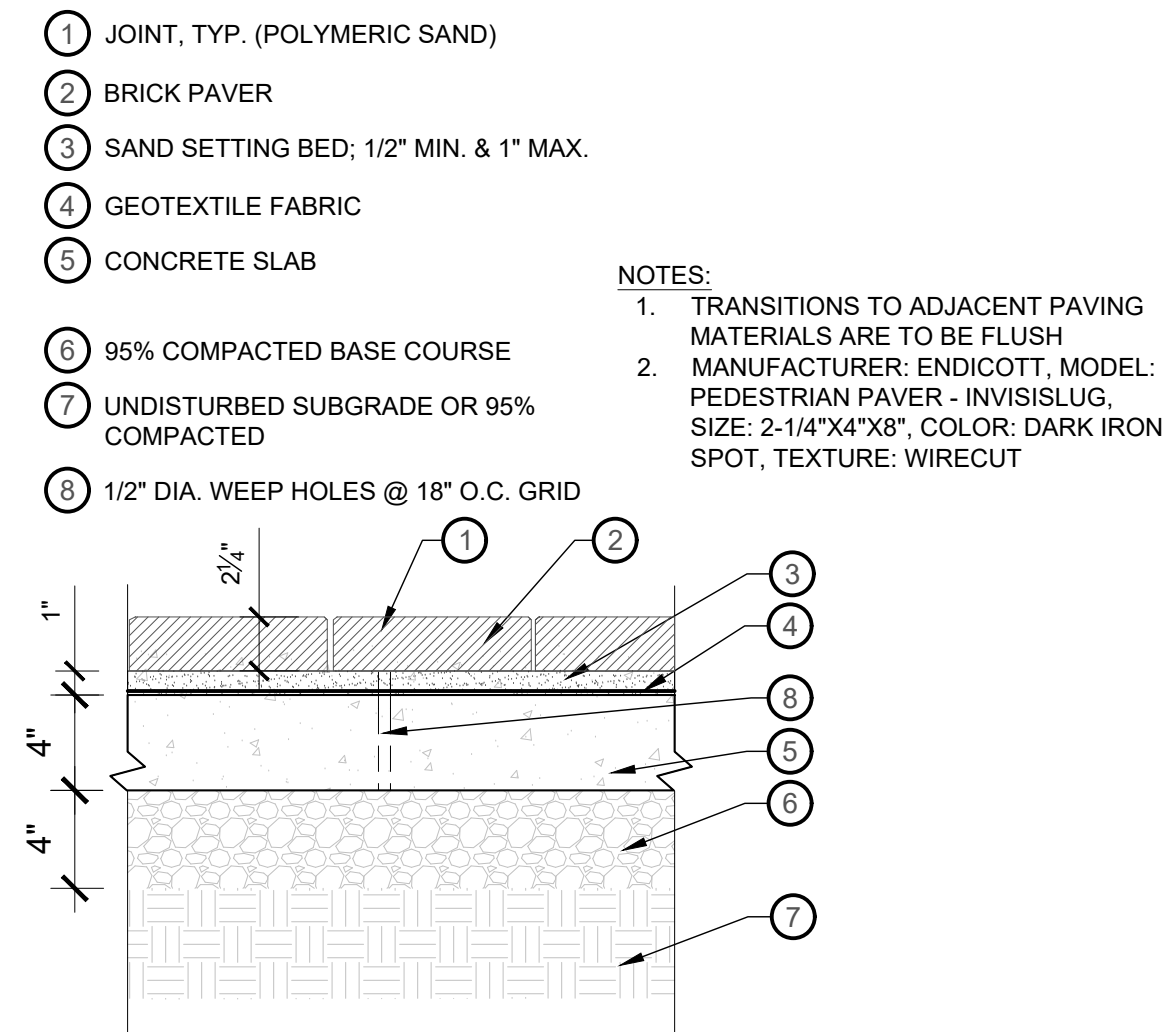
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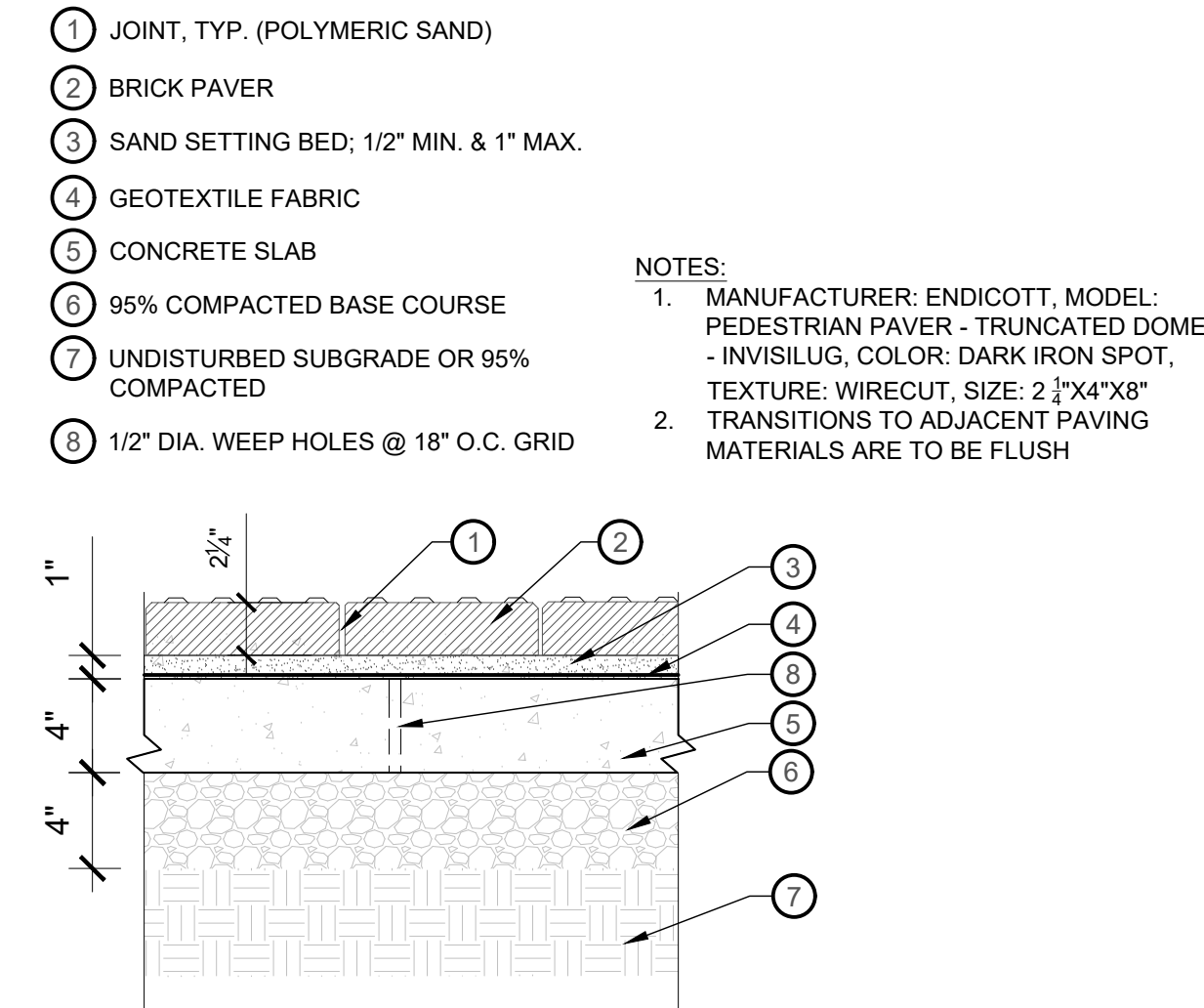
**PAYSON CITY MAIN STREET**  
HARDSCAPE DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architect

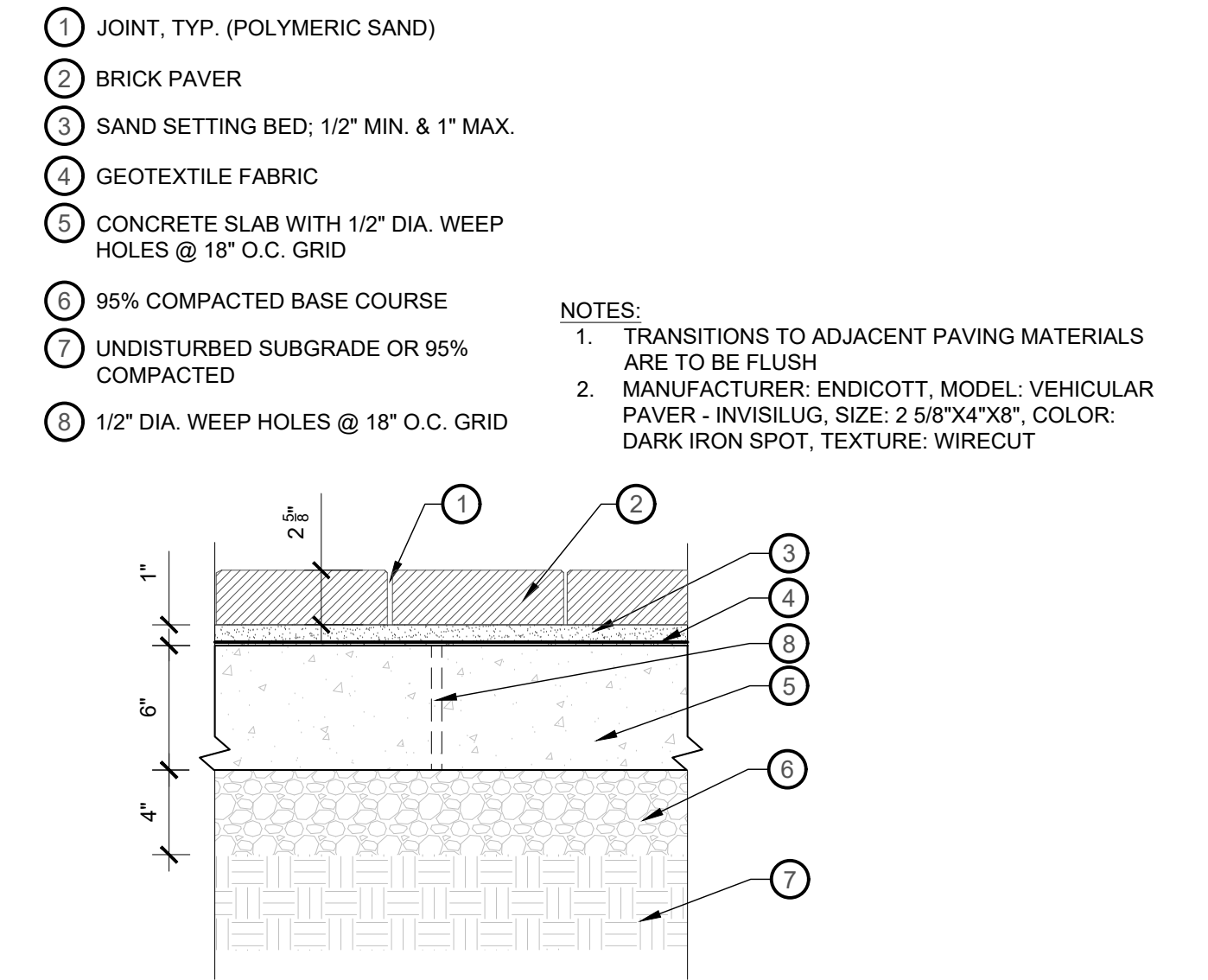
PROJECT NUMBER: 21-158  
SHEET: 14 OF 31  
SHEET NUMBER: LL506



1 PEDESTRIAN BRICK PAVER  
1 1/2" = 1'-0"  
P-21.158-43



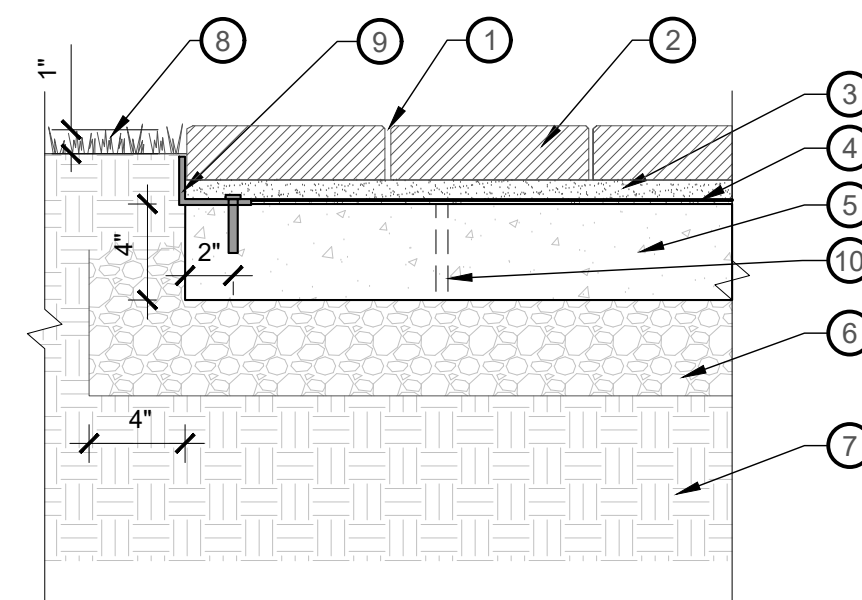
2 ADA TACTILE BRICK PAVER  
1 1/2" = 1'-0"  
P-21.158-125



3 VEHICULAR BRICK PAVER  
1 1/2" = 1'-0"  
P-21.158-126

- 1 BUTT JOINT, TYP. (POLYMERIC SAND)
- 2 BRICK PAVER
- 3 SAND SETTING BED; 1/2" MIN. & 1" MAX.
- 4 GEOTEXTILE FABRIC
- 5 CONCRETE SLAB
- 6 95% COMPACTED BASE COURSE
- 7 UNDISTURBED SUBGRADE OR 95% COMPACTED
- 8 ADJACENT LANDSCAPE
- 9 CURV-RITE EDGE RESTRAINT NATURAL ALUMINUM FINISH. 2" H X 3" W X 8' L. ANCHOR TO RAT SLAB 2" CLEAR
- 10 1/2" DIA. WEEP HOLES @ 18" O.C. GRID

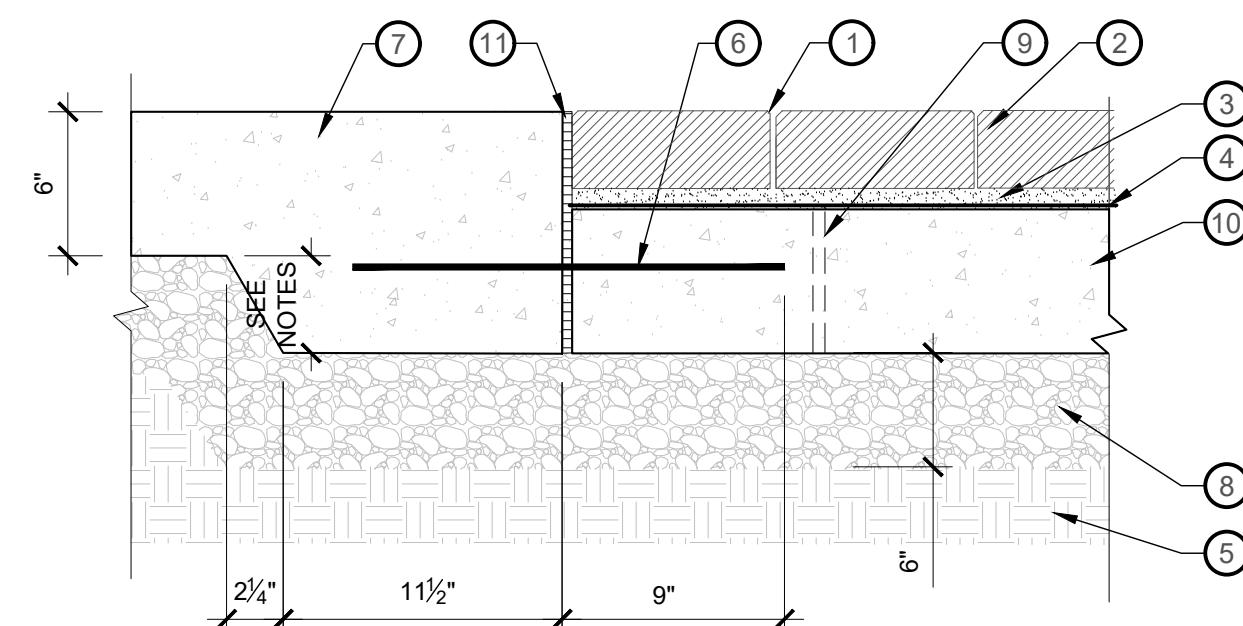
NOTES:  
1. TRANSITIONS TO ADJACENT PAVING MATERIALS ARE TO BE FLUSH



4 BRICK PAVING NEXT TO LANDSCAPE  
1 1/2" = 1'-0"  
P-21.158-45

- 1 JOINT, TYP. (POLYMERIC SAND)
- 2 BRICK PAVER
- 3 SAND SETTING BED; 1/2" MIN. & 1" MAX.
- 4 GEOTEXTILE FABRIC
- 5 UNDISTURBED SUBGRADE OR 95% COMPACTED
- 6 3/4" EPOXY COATED 18" DOWEL @ 18" O.C.
- 7 ADJACENT CONCRETE WALK
- 8 95% COMPACTED ROAD BASE
- 9 1/2" DIA. WEEP HOLES @ 18" O.C. GRID
- 10 CONCRETE RAT SLAB
- 11 EXP. JT. MATERIAL 1/2" x SLAB DEPTH - SEE NOTES

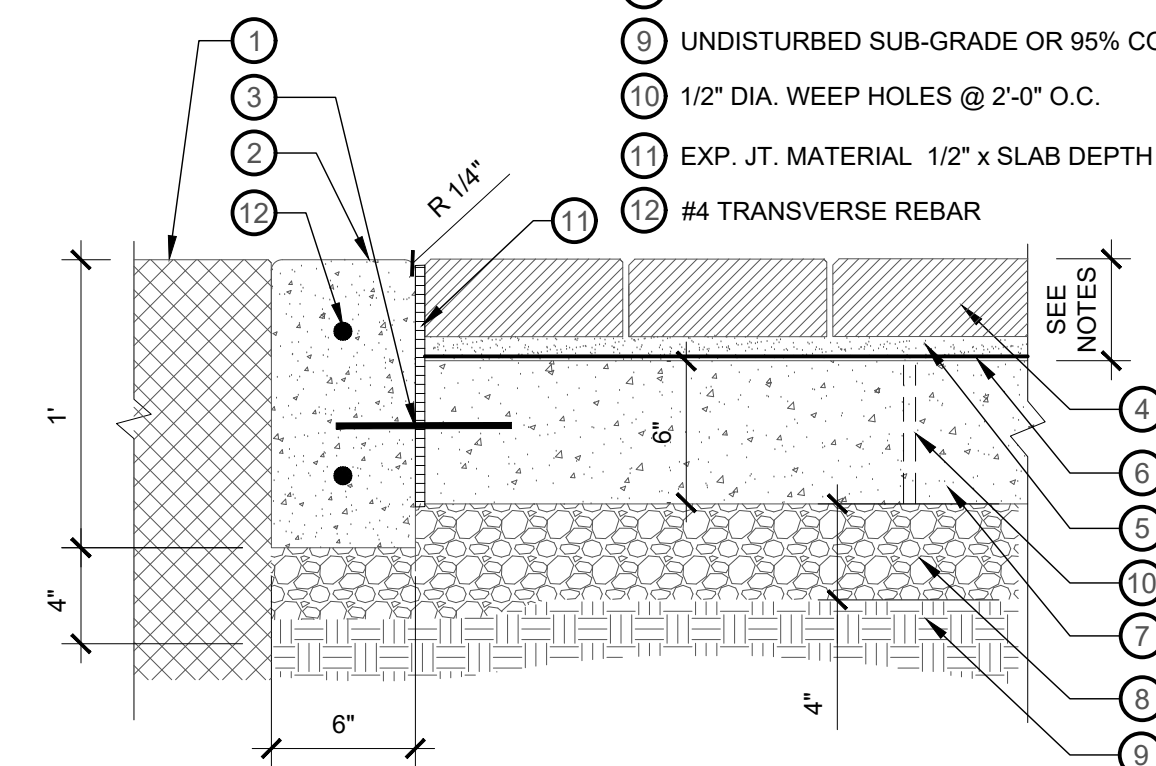
NOTES:  
1. CONCRETE DROP SHOULD EQUAL THE TOTAL HEIGHT OF THE PAVER PLUS THE SAND SETTING BED THICKNESS  
3. SEE LAYOUT PLANS FOR REFERENCE TO PAVER TYPE DETAILS  
4. TRANSITIONS TO ADJACENT PAVING MATERIALS ARE TO BE FLUSH



5 VEHICULAR BRICK PAVING CONCRETE TRANSITION  
1 1/2" = 1'-0"  
P-21.158-47

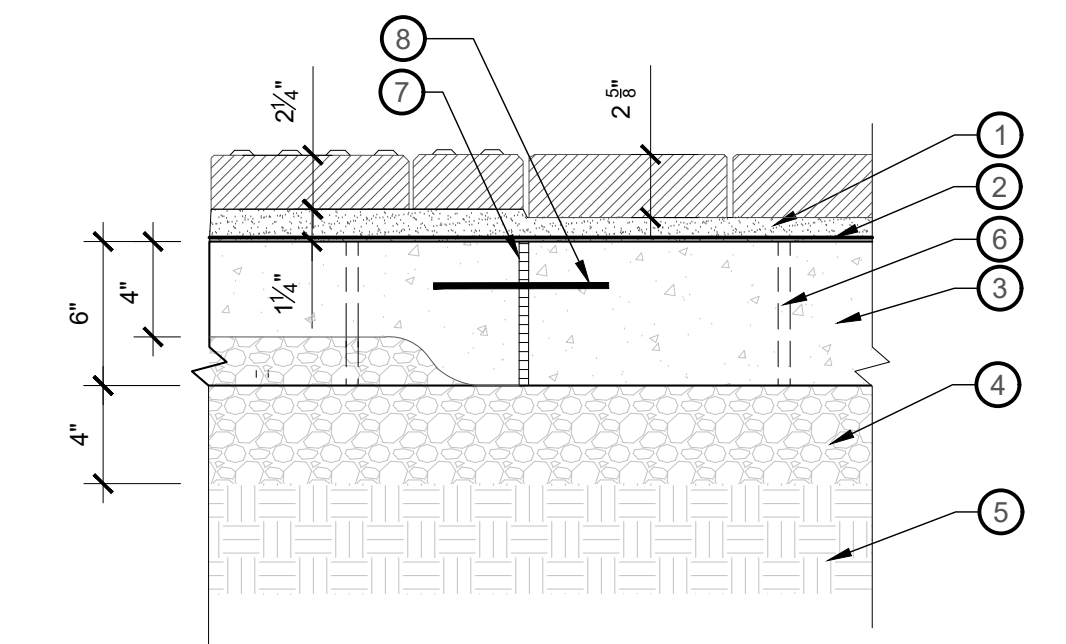
- NOTES:  
1. RATSLAB SURFACE ELEVATION SHOULD START BELOW THE PAVER HEIGHT PLUS THE SAND SETTING BED DEPTH  
2. TRANSITIONS TO ADJACENT PAVING MATERIALS ARE TO BE FLUSH  
3. SEE LAYOUT PLANS FOR REFERENCE TO PAVER TYPE DETAILS

- 1 ADJACENT ASPHALT - SEE CIVIL
- 2 6" x 12" CONCRETE CURB WITH 1/4" RADIUS
- 3 1/2" x 8" STEEL DOWEL W/ SLEEVE 24" O.C.
- 4 VEHICLE RATED BRICK PAVERS
- 5 SAND SETTING BED, 1/2" MIN, 1" MAX
- 6 GEOTEXTILE FABRIC
- 7 6" CONC. BASE SLAB
- 8 4" - 95% COMPACTED ROAD BASE
- 9 UNDISTURBED SUB-GRADE OR 95% COMPACTION
- 10 1/2" DIA. WEEP HOLES @ 2'-0" O.C.
- 11 EXP. JT. MATERIAL 1/2" x SLAB DEPTH - SEE NOTES
- 12 #4 TRANSVERSE REBAR



6 VEHICULAR PAVERS - ASPHALT TRANSITION  
1 1/2" = 1'-0"  
P-21.158-99

- 1 MORTAR SAND MIX SETTING BED
- 2 GEOTEXTILE FABRIC
- 3 CONCRETE SLAB
- 4 95% COMPACTED BASE COURSE
- 5 UNDISTURBED SUBGRADE OR 95% COMPACTED
- 6 1/2" DIA. WEEP HOLES @ 18" O.C. GRID
- 7 EXP. JT. MATERIAL 1/2" x SLAB DEPTH - SEE NOTES
- 8 1/2" x 8" STEEL DOWEL W/ SLEEVE 24" O.C.



7 TACTILE PEDESTRIAN TRANSITION TO VEHICULAR  
1 1/2" = 1'-0"  
P-21.158-130

NO.	DESCRIPTION	DATE

0 1 2  
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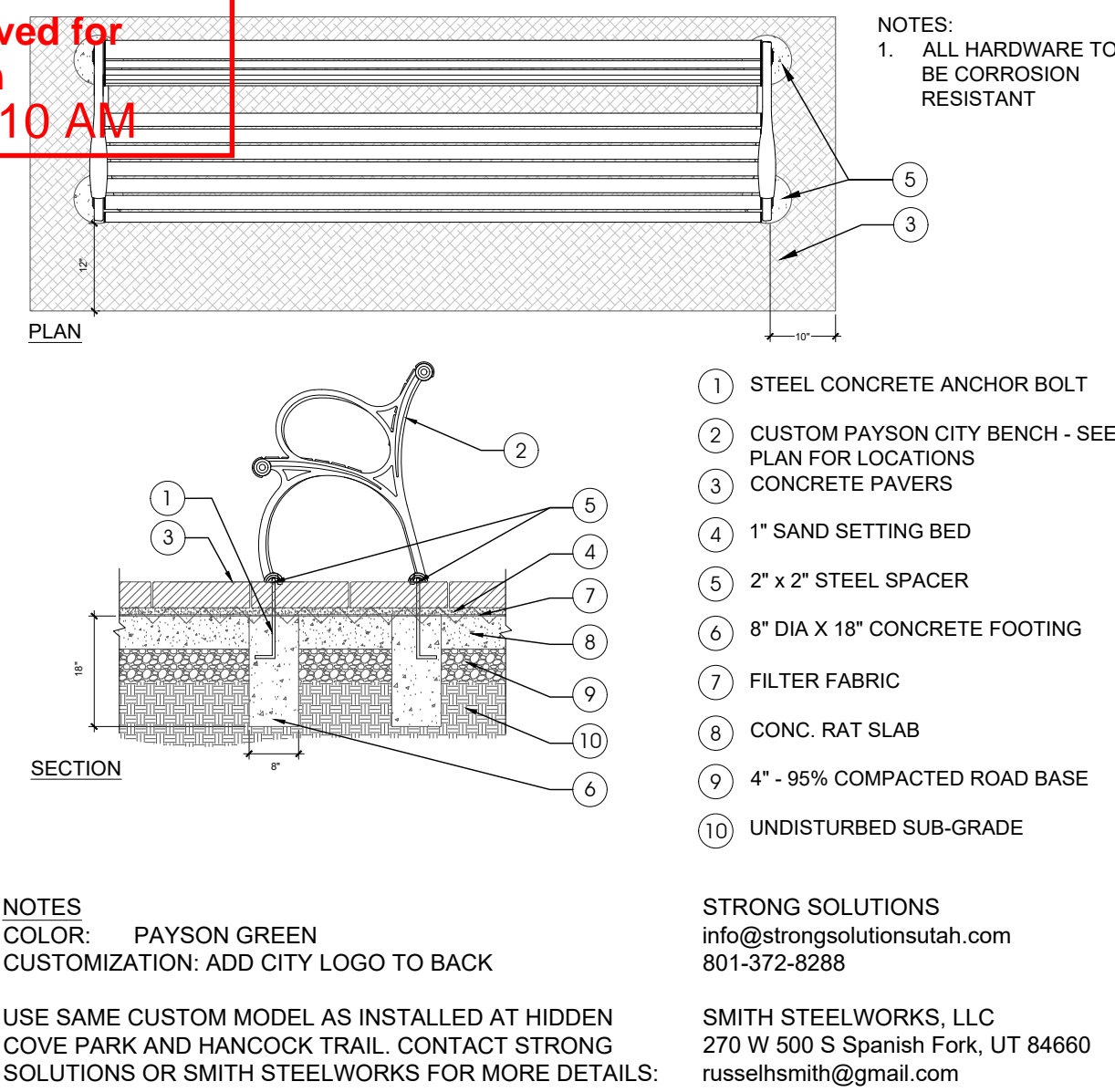
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**PAYSON CITY MAIN STREET**  
HARDSCAPE DETAILS

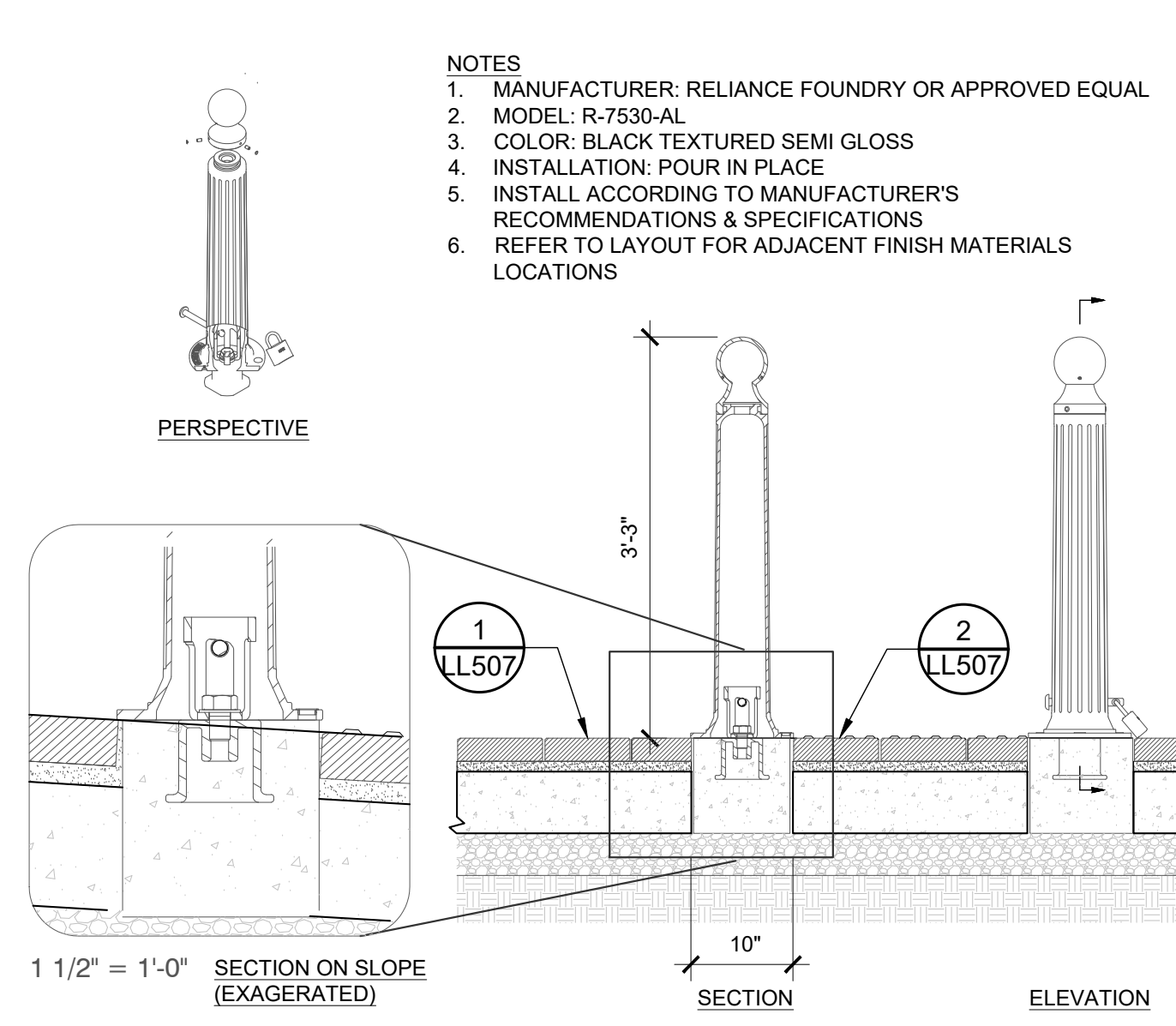
STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architect

PROJECT NUMBER: 21-158  
SHEET: 15 OF 31  
SHEET NUMBER: LL507

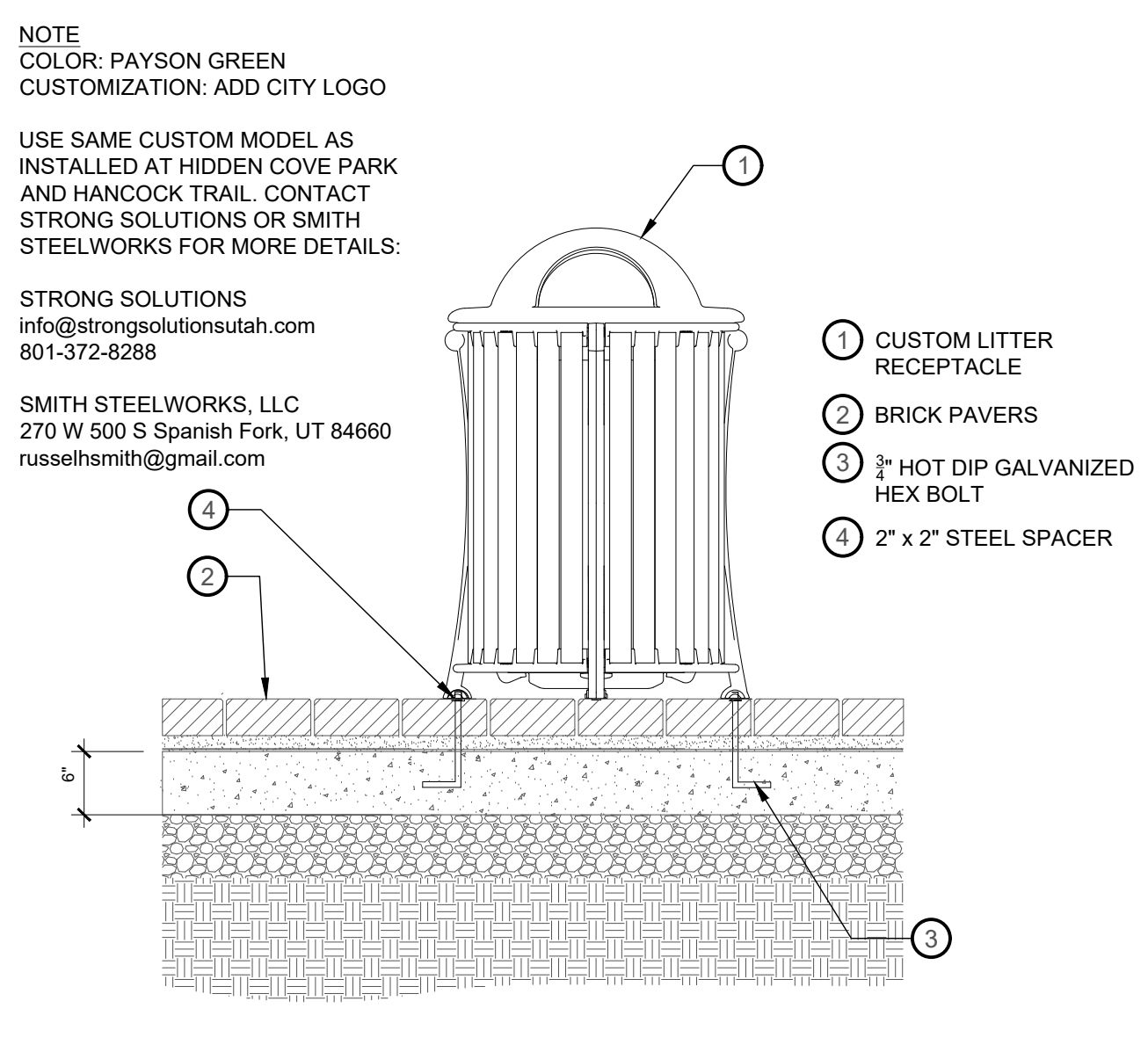
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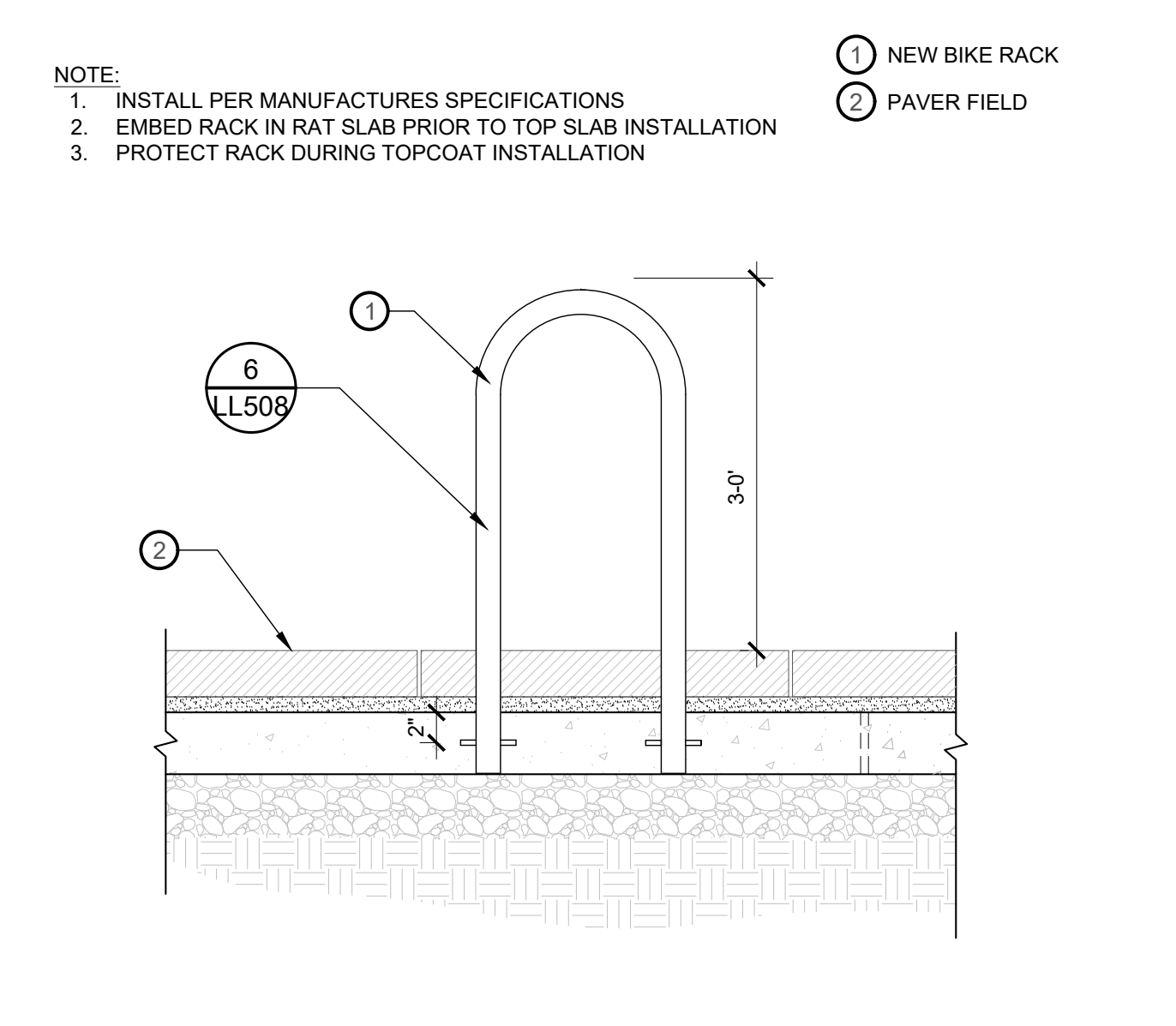
**1 BENCH ATTACHMENT**  
1/2" = 1'-0" P-21.158-41



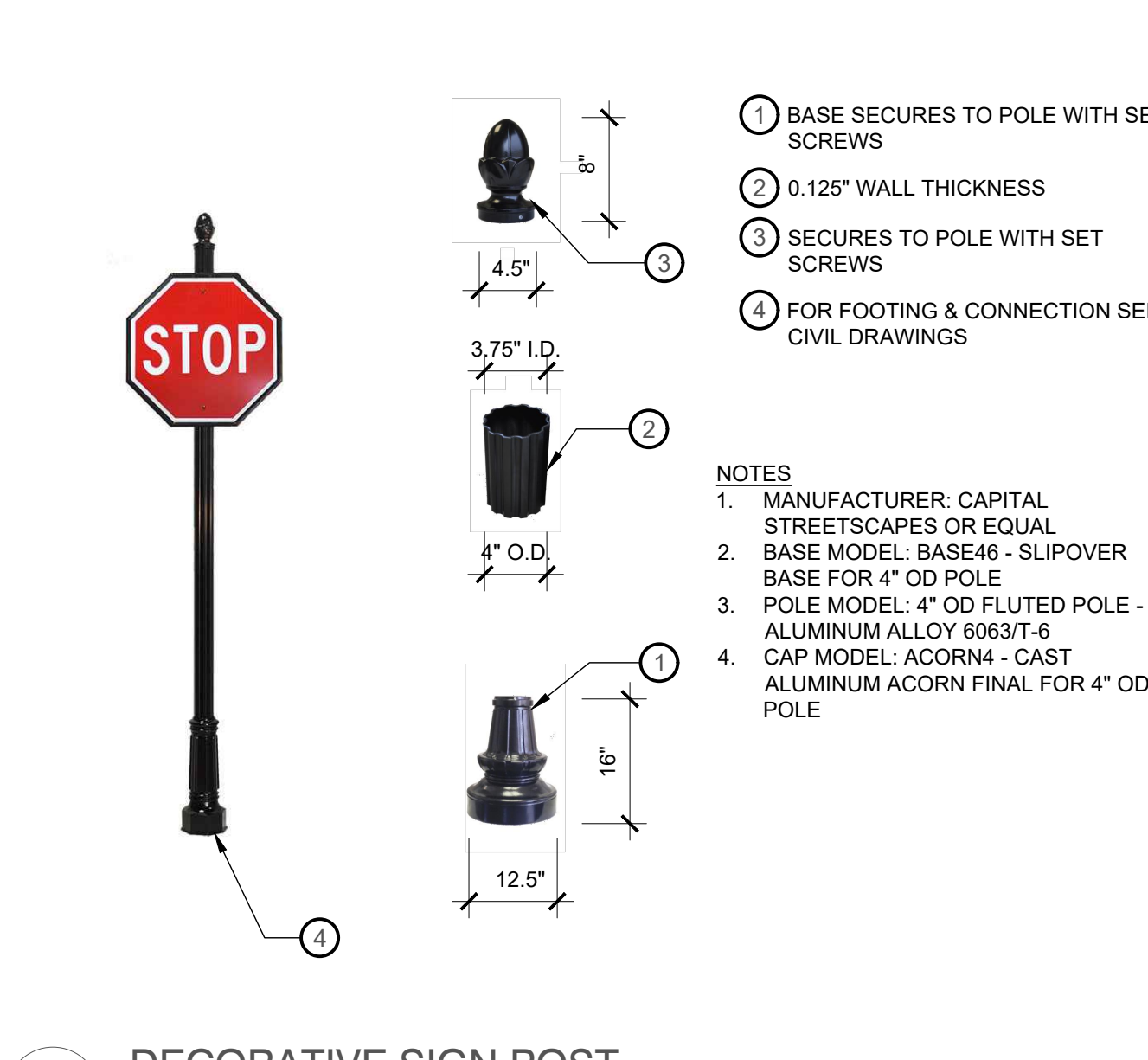
**2 DECORATIVE REMOVABLE BOLLARD ON PAVERS**  
3/4" = 1'-0" P-21.158-129



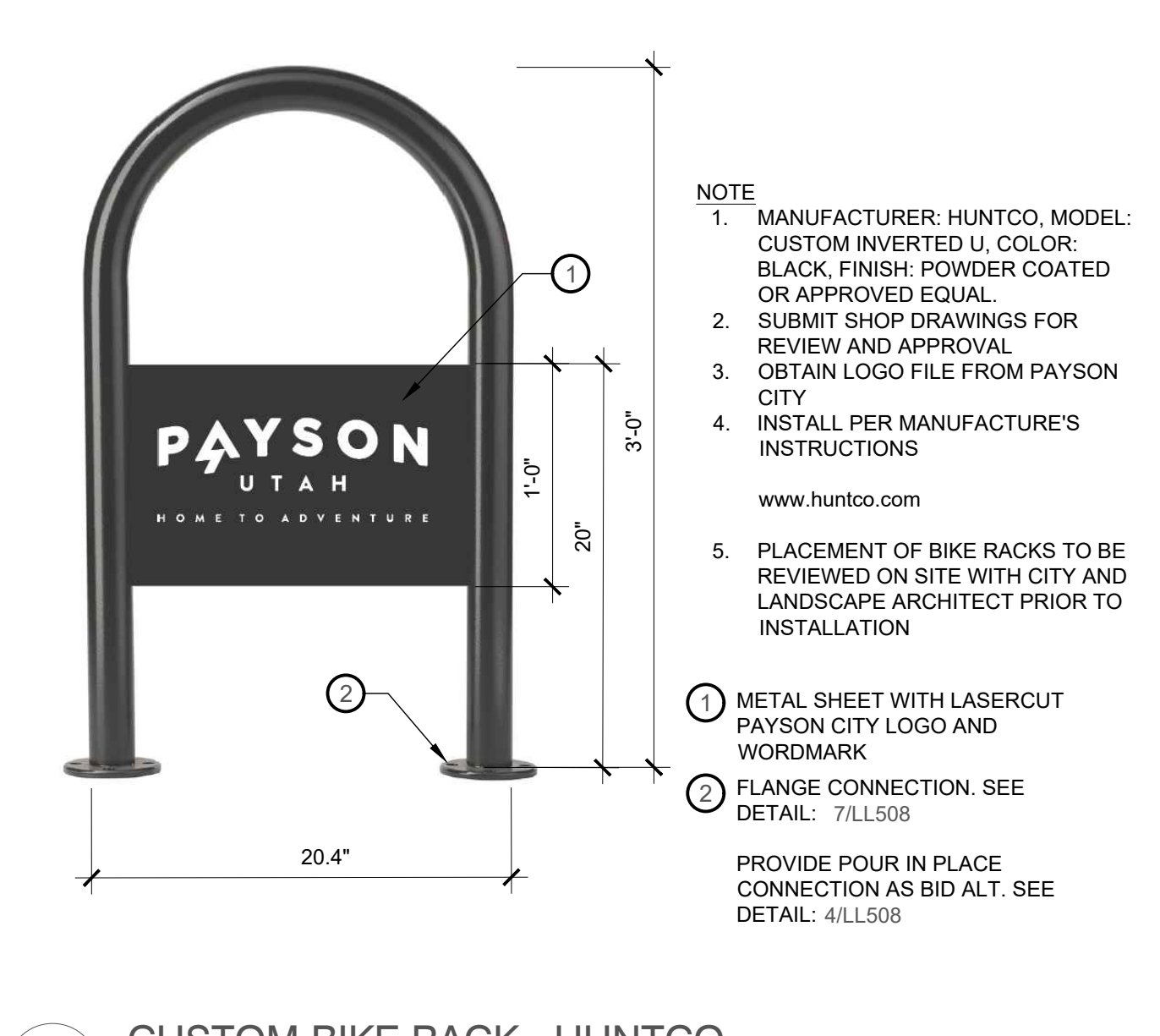
**3 CUSTOM TRASH RECEPTACLE OVER PAVERS**  
3/4" = 1'-0" P-21.158-49



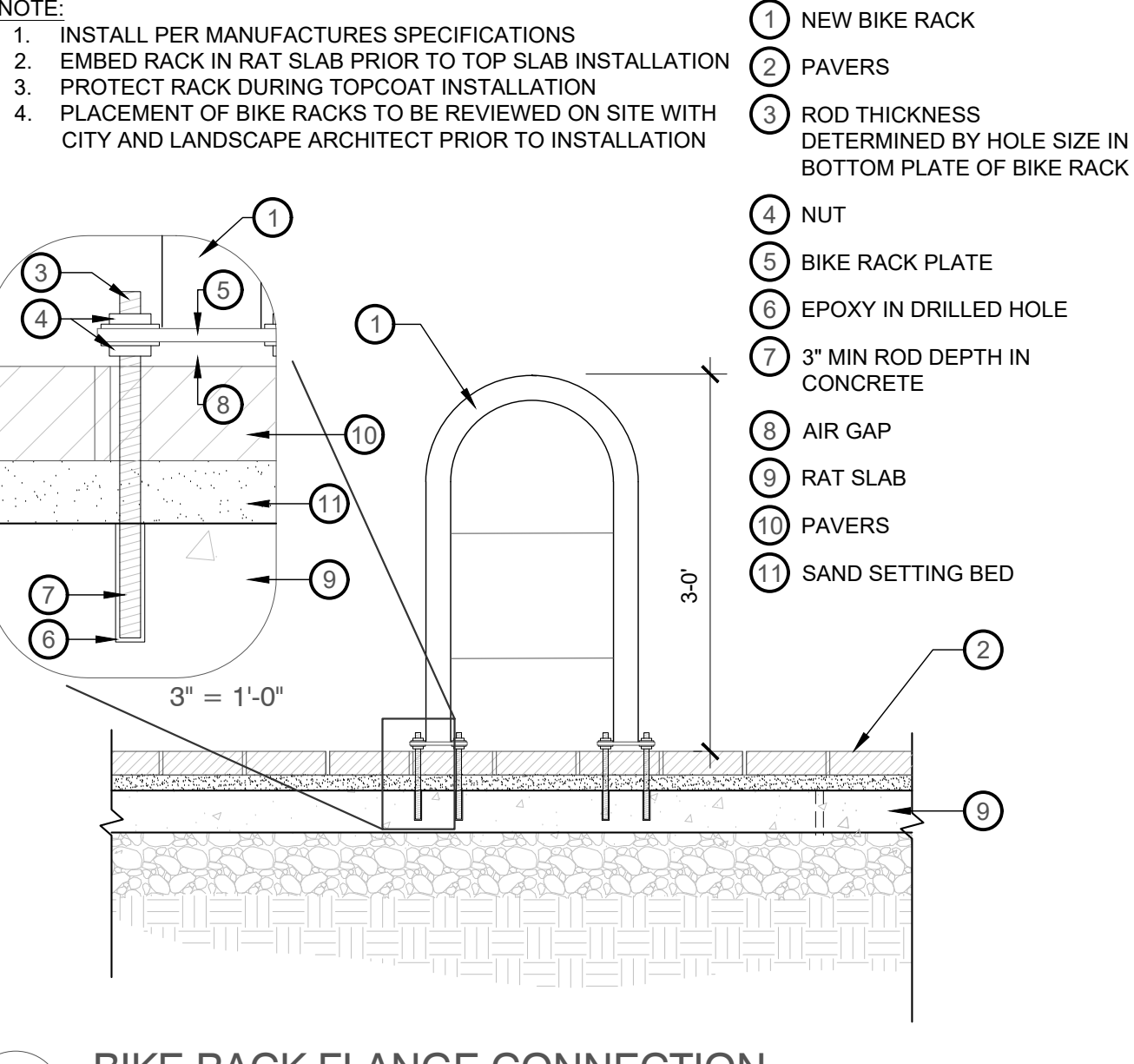
**4 BIKE RACK CONNECTION**  
3/4" = 1'-0" P-21.158-87



**5 DECORATIVE SIGN POST**  
NTS P-21.158-51



**6 CUSTOM BIKE RACK - HUNTCO**  
NTS P-21.158-84



**7 BIKE RACK FLANGE CONNECTION**  
3/4" = 1'-0" P-21.158-133



**8 DECORATIVE ADDITIONAL PARKING SIGNS**  
NTS P-21.158-137

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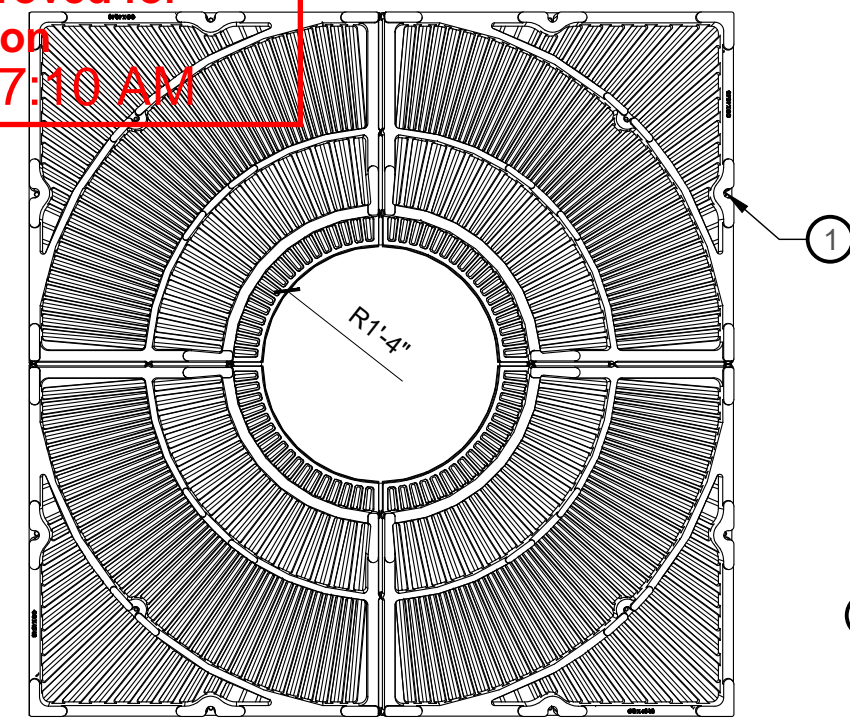
**PAYSON CITY MAIN STREET**  
STREETSCAPE DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

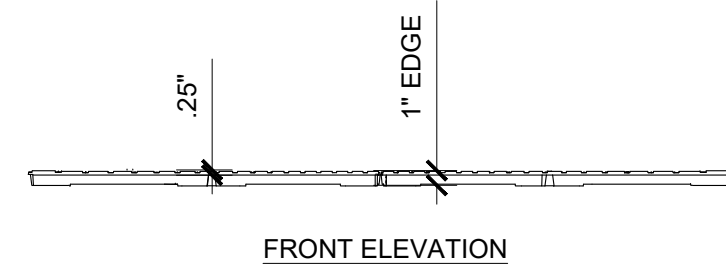
PROJECT NUMBER: 21-158  
SHEET: 16 OF 31  
SHEET NUMBER: LL508



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PLAN VIEW



FRONT ELEVATION

NOTES:

1. MANUFACTURER: IRON AGE DESIGNS OR APPROVED EQUAL. MODEL: CORONA 4X4. PRODUCT ID: COX48-4819TGHP. MATERIAL: CAST IRON, FINISH: POWDER COAT. CENTER OPENING: 16"
2. MANUFACTURER TO PROVIDE CUSTOM BRANDING OPTIONS - SUBMIT OPTIONS & SHOP DRAWINGS FOR REVIEW & APPROVAL

**1 TREE GRATE**

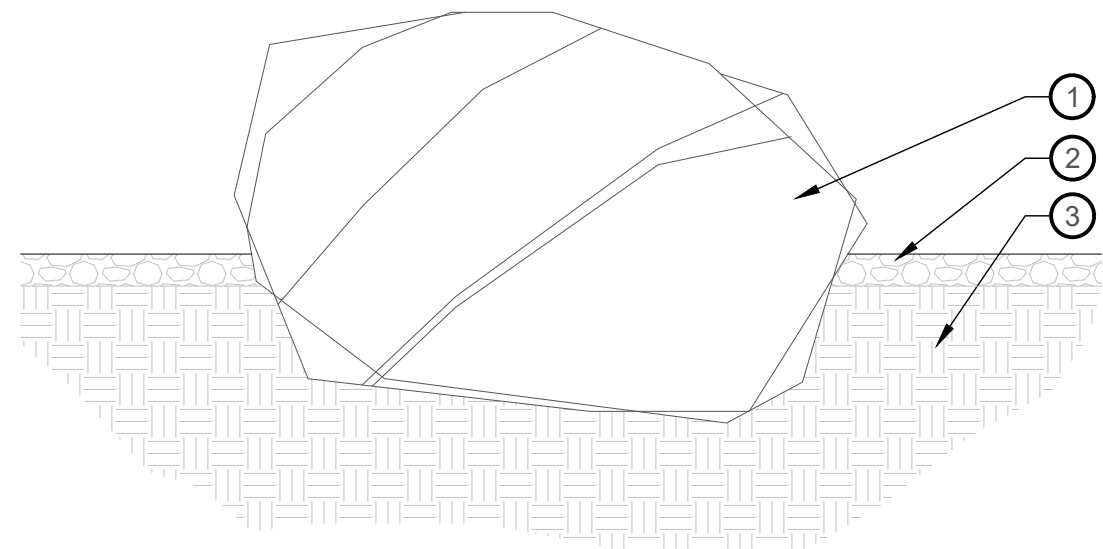
1/2" = 1'-0"

P-21.158-121

- 1 BOULDER BURIED 1/3 DEEP
- 2 ADJACENT LANDSCAPE
- 3 PREPARED PLANTING SOIL

NOTES:

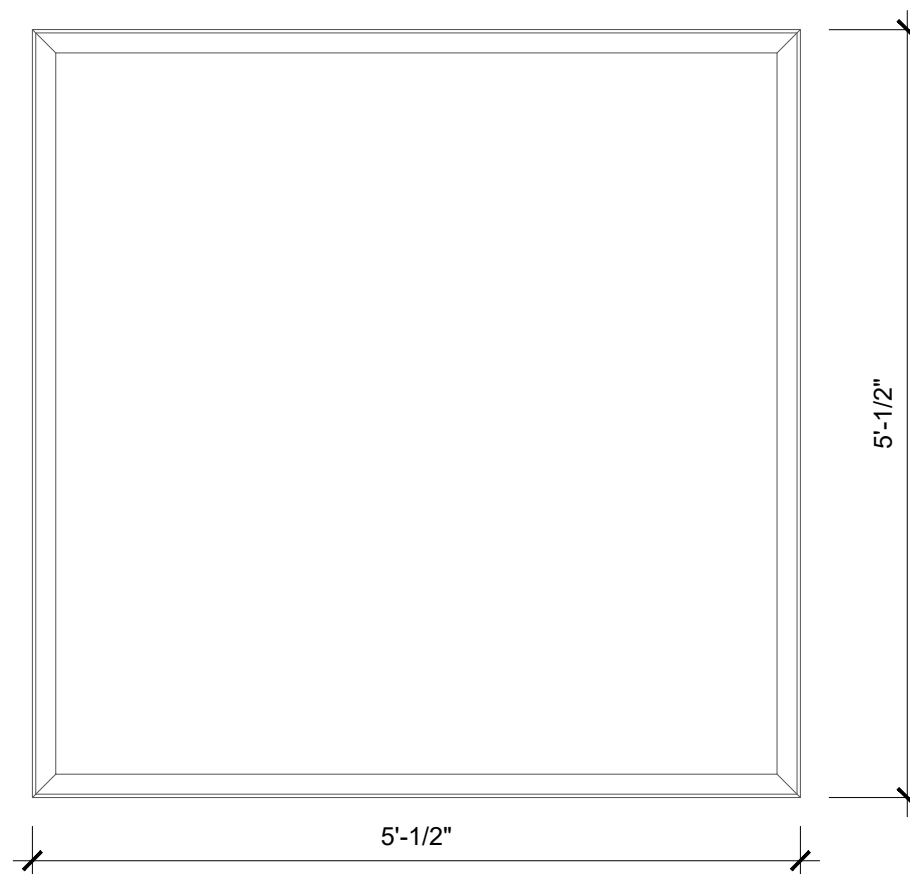
1. BOULDER SIZE RANGE 1'-3"
2. REFER TO LAYOUT PLAN FOR GENERAL SIZES
3. BOULDERS TO BE SOURCED FROM LOCAL QUARRY - WITHIN 100 MILES
4. CONTRACTOR MUST SUBMIT IMAGES OR SAMPLES OF BOULDERS FOR APPROVAL



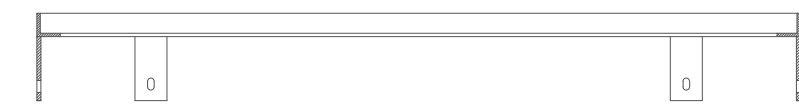
**4 LANDSCAPE BOULDER [TYP]**

NTS

PLAN



SECTION

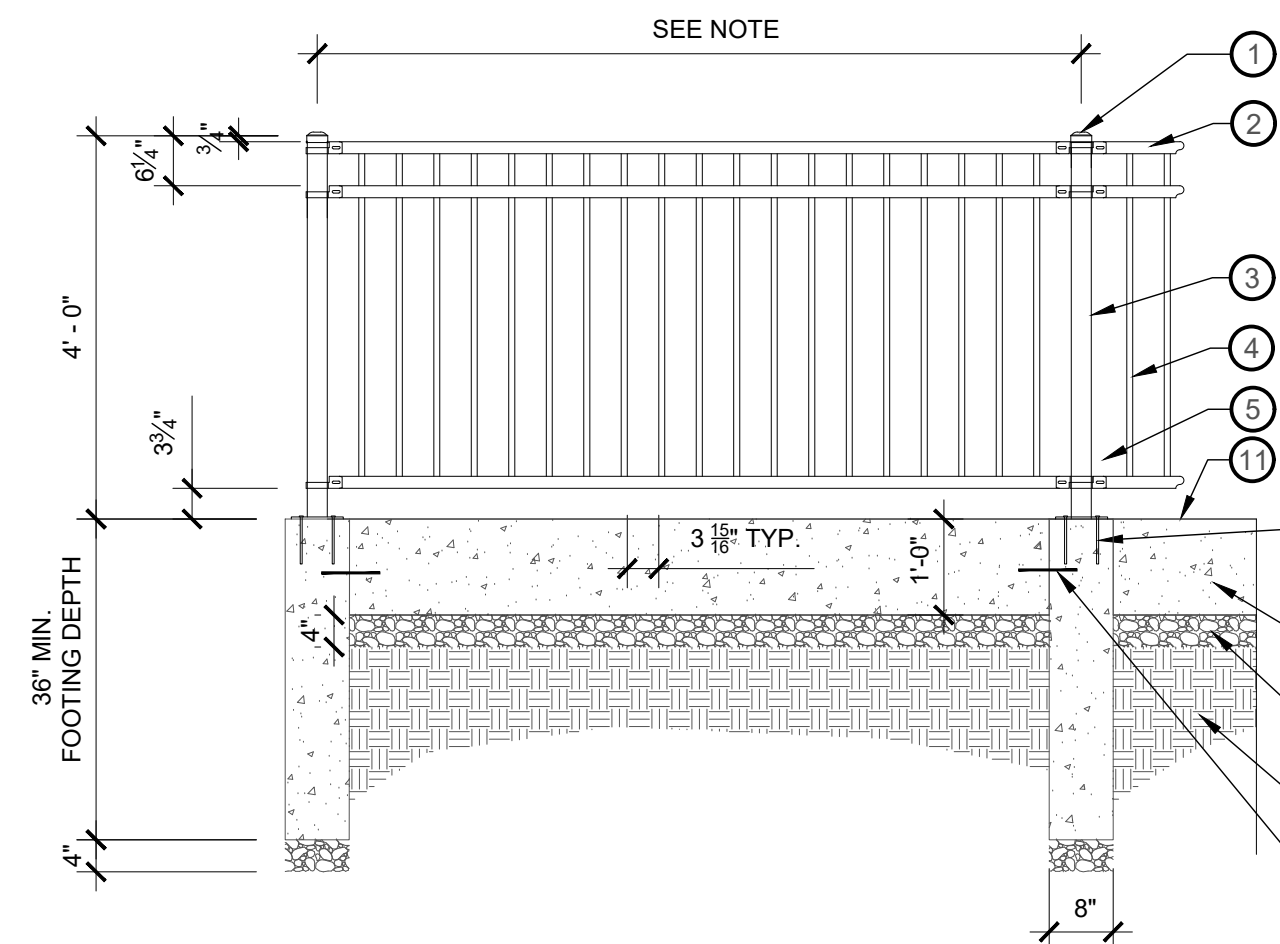


**2 TREE GRATE FRAME**

1" = 1'-0"

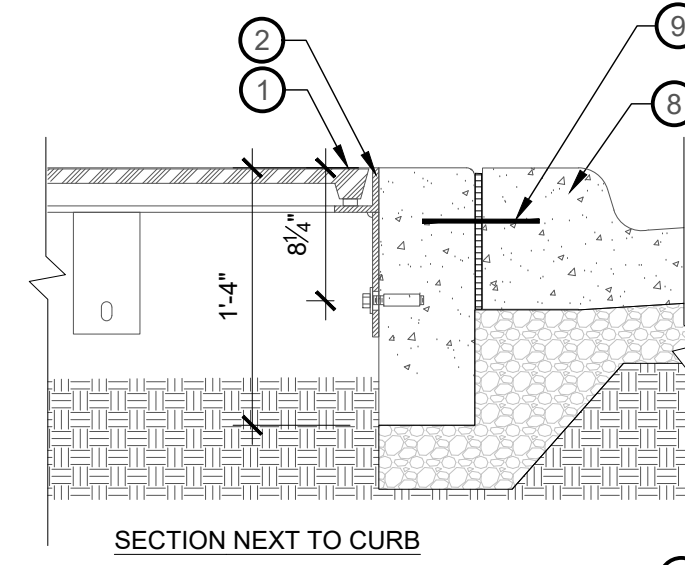
NOTE

1. SEE LAYOUT FOR POST SPACING  
1/LL202  
1/LL201

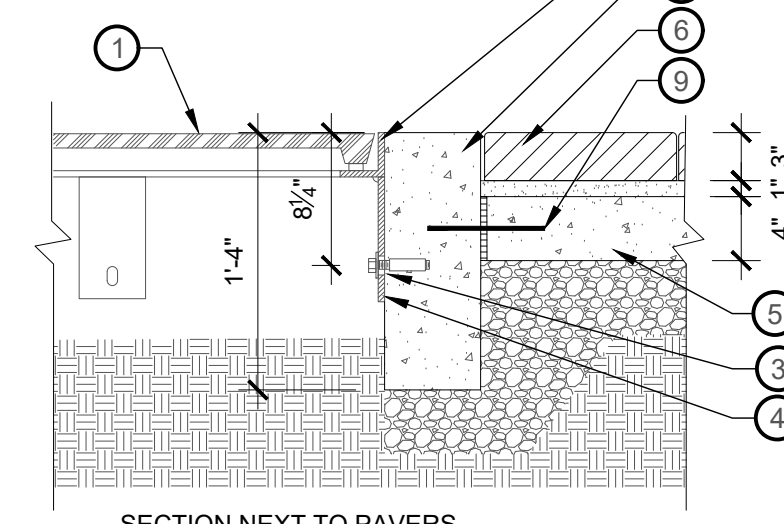


**5 MONTAGE PLUS MAJESTIC FENCE PANEL**

NTS



SECTION NEXT TO CURB



SECTION NEXT TO PAVERS

LEGEND

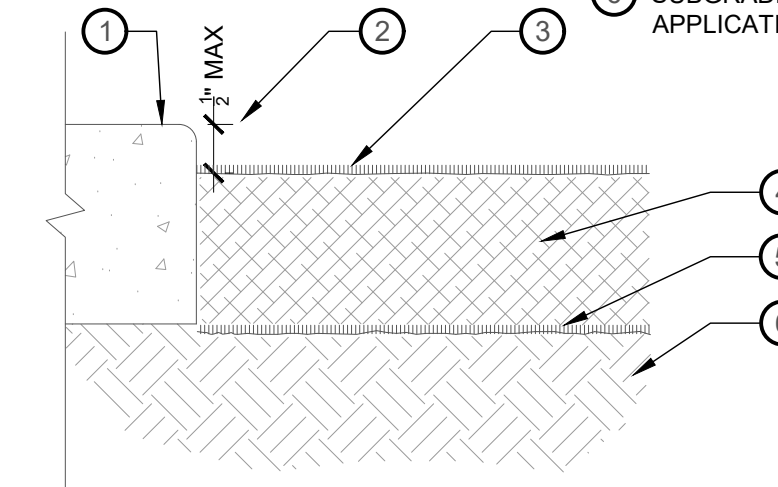
- 1 GRATE
- 2 1 3/4" x 1 3/4" x 1/4" STEEL ANGLE
- 3 CONCRETE ANCHOR BOLT (BY INSTALLER)
- 4 1/4" THICK x 2" STEEL TAB SLOTTED 7/16" x 3/4" FOR CONCRETE ANCHOR (TYP. 8 PLACES PER FRAME)
- 5 CONCRETE RAT SLAB
- 6 ADJACENT PAVERS - REFER TO LAYOUT PLAN
- 7 6" CURB BORDER
- 8 ROADWAY CURB AND GUTTER - SEE CIVIL
- 9 1/2" X 8" STEEL DOWEL W/ SLEEVE 24" O.C.

NOTES:

1. ANCHORAGE PROVIDED BY 1/4" THICK x 2" STEEL TABS SHOP WELDED TO FRAME
2. CONCRETE WEDGE ANCHOR BY INSTALLER
3. FRAME JIG WELDED FROM 1 3/4" x 1 3/4" x 1/4" STEEL ANGLE
4. INSTALL PER MANUFACTURER'S SPECIFICATIONS
5. TREE GRATE, 6" CURB BORDER & PAVERS TO BE FLUSH

LEGEND

- 1 ADJACENT HARDSCAPE
- 2 MULCH TO BE NO MORE THAN 1/2" BELOW ADJACENT HARDSCAPE
- 3 FINAL APPLICATION OF PRE-EMERGENT WEED CONTROL UPON COMPLETION OF MULCH INSTALLATION
- 4 MULCH PLACED AS DESCRIBED BELOW
- 5 PRE-EMERGENT PRIOR TO MULCH PLACEMENT
- 6 SUBGRADE TO BE SMOOTH TO ALLOW FOR EVEN 3" APPLICATION OF MULCH



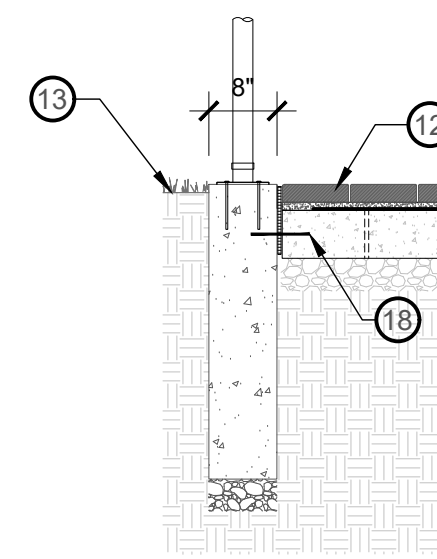
MULCH PRODUCTS:

1. PLACE MULCH AS 3" DEPTH TOP DRESSING FOR TYPICAL SHRUBS/ORNAMENTAL GRASS BEDS
2. REDUCE MULCH DEPTH TO 1"-2" IN AREAS OF GROUND COVER PLANTING.
3. CONTRACTOR TO PROVIDE SAMPLES FOR MULCH TYPE AND COORDINATE AND CONFIRM AREAS TO RECEIVE MULCH PRIOR TO INSTALLATION.
4. DEPTH: 3" - SEE SPECIFICATIONS
5. TOP SOIL DEPTH: 24" MIN - SEE SPECIFICATIONS

**3 MULCH**

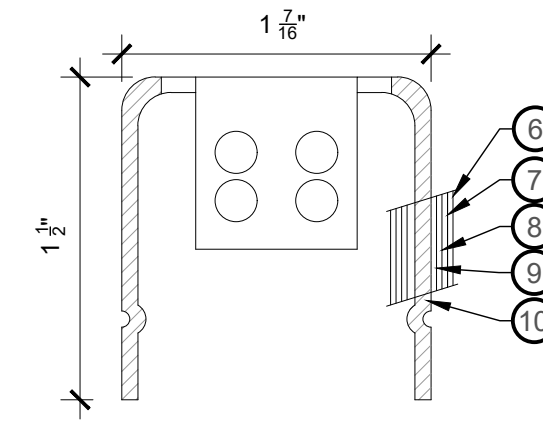
1 1/2" = 1'-0"

P-21.158-26



FOOTING NEXT TO PAVERS

- 1 FLAT CAP
- 2 1 1/2" MONTAGE PLUS™ RAIL (SEE CROSS-SECTION ABOVE)
- 3 POST 4" SQUARE X 11 GA
- 4 3/4" SQUARE 18 GA. PICKET
- 5 FLAT MOUNT BRACKET
- 6 ACRYLIC TOPCOAT
- 7 EPOXY PRIMER



E-COAT COATING SYSTEM

- 8 ZINC-PHOSPHATE COATING
- 9 UNIFORM ZINC COATING (HOT DIP)
- 10 BASE MATERIAL
- 11 FINISH GRADE
- 12 PAVERS 1/LL507
- 13 LANDSCAPE
- 14 1/2" CONCRETE ANCHOR - EMBEDDED 4" INTO CONCRETE FOOTING
- 15 CONCRETE CURB WALL
- 16 95% COMPACTED GRAVEL
- 17 95% COMPACTED/UNDISTURBED SUBGRADE
- 18 1/2" X 8" STEEL DOWEL W/ SLEEVE 24" O.C.

P-21.158-89

NO.	DATE	DESCRIPTION

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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**PAYSON CITY MAIN STREET**  
URBAN HORTICULTURE DETAILS

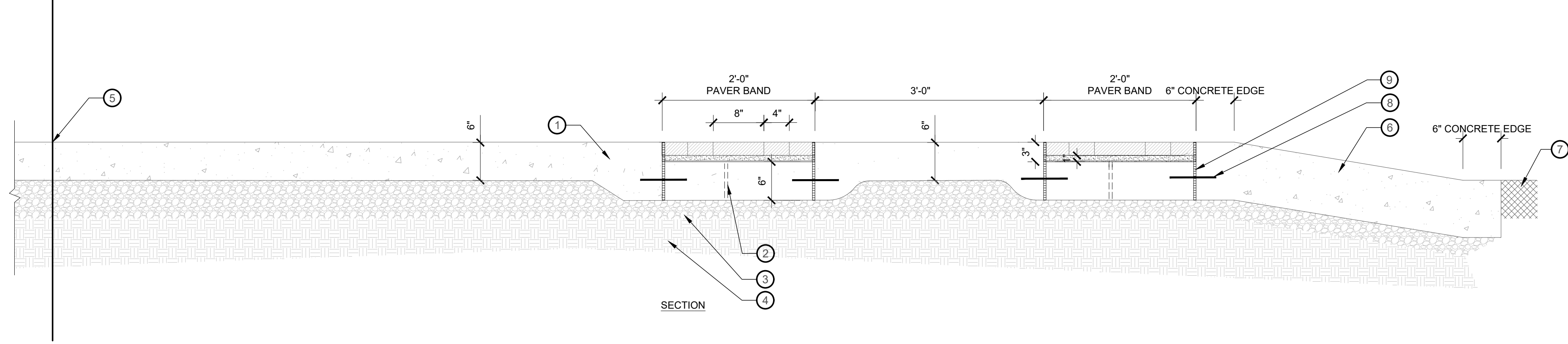
STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architect

PROJECT NUMBER  
**21-158**

SHEET  
**17** OF **31**

SHEET NUMBER  
**LL509**

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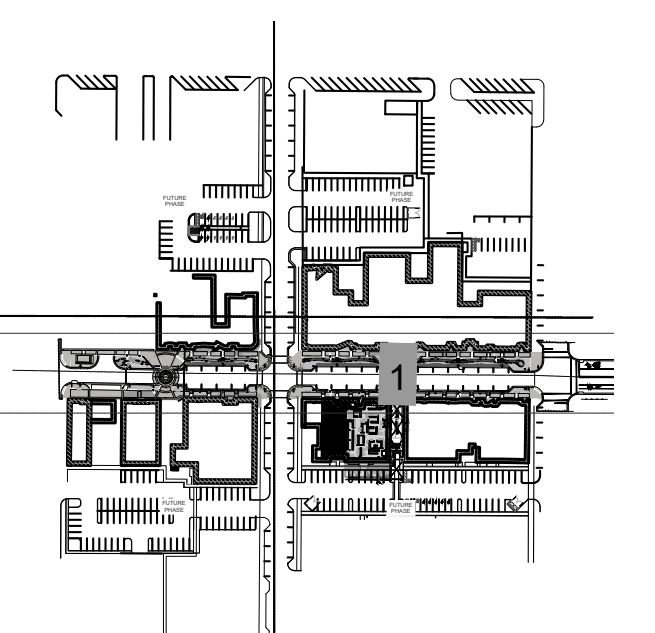


- ① ROADWAY CURB AND GUTTER - SEE CIVIL
- ② WEEP HOLES FOR DRAINAGE PLACED 18" O.C.
- ③ 95% COMPACTED BASE COURSE (75% FRACTURED FACE)
- ④ 95% COMPACTED/UNDISTURBED SUBGRADE
- ⑤ CENTER POINT OF CROSSING NODE
- ⑥ VEHICULAR RAMP TO TABLE TOP - RISES TO PEDESTRIAN CROSSING FG (SEE CIVIL GRADING)
- ⑦ ASPHALT ROADWAY - SEE CIVIL DRAWINGS
- ⑧ 1/2" X 8" STEEL DOWEL W/ SLEEVE 24" O.C.
- ⑨ EXP. JT. MATERIAL 1/2" x SLAB DEPTH - SEE NOTES

1 NODE SECTION  
1" = 1'-0"

P-21.158-131

KEY MAP



NO.	DESCRIPTION	DATE

0 1 2  
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PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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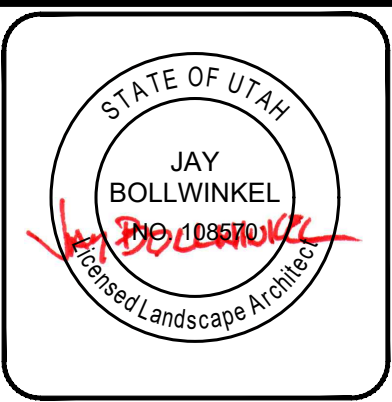
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**PAYSON CITY MAIN STREET**  
CROSSING ENLARGEMENTS



PROJECT NUMBER  
**21-158**

SHEET  
**18** OF **31**

SHEET NUMBER  
**LL510**

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**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	NETAFIM LV CZ10075-HFHP PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1IN. SERIES 80 CONTROL VALVE, 3/4IN. DISC FILTER, AND HIGH FLOW PRESSURE REGULATOR 4.5GPM TO 17.6GPM.
	NETAFIM LV CZS8010075-LF PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1IN. SERIES 80 CONTROL VALVE, 3/4IN. DISC FILTER, AND LOW FLOW PRESSURE REGULATOR 0.25GPM-4.4GPM
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY. BRASS BALL VALVE - SIZE PER PLAN
	DRAIN VALVE FIP WATER SERVICE BRASS BALL VALVE CURB STOP - SIZE PER MAINLINE
	RAIN BIRD ESP-LXD-LXMMPED 50 STATION, 2-WIRE DECODER BASED CONTROLLER IN POWDER COATED METAL, CABINET W/ PEDESTAL. (1) ESP-LXD 50-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. INSTALL IN RAIN BIRD LXMM-LXMMPED POWDER COATED METAL CABINET W/ PEDESTAL. SYSTEM REQUIREMENTS: RAIN BIRD FD-XXX-TURF FIELD DECODERS, PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LSP-1TURF LINE SURGE PROTECTORS IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
	NETAFIM REED SWITCH REGISTER 2 2IN. MASTER VALVE/FLOW SENSOR WITH WATER METER AND HYDRAULIC VALVE IN A SINGLE UNIT. CAST IRON WITH BAKED POWDER-COATED FINISH, MINIMUM WORKING PRESSURE 14 PSI. FEMALE PIPE THREAD, REED SWITCH REGISTER.
	AMIAD 2-OL-MSIG- STEEL SCREEN AMIAD 2IN. MINI SIGMA, ON-LINE SELF-CLEANING FILTER, BSPT OR NPT INLET-OUTLET. STAINLESS STEEL WEAVEWIRE SCREEN ELEMENT. ADI-P BLUETOOTH RANGE CONTROLLER. MAXIMUM WORKING PRESSURE 116PSI. PROVIDE LOCKABLE ENCLOSURE PER MANUF. RECOMMENDATIONS. PROVIDE GRAVEL SLUMP ADJACENT FILTER ON FLUSH PORT SIDE REFER TO DETAILS.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40 2" PVC SCH 40 MAINLINE
	PIPE SLEEVE: PVC SCHEDULE 40 SIZE 2 TIMES GREATER THAN PIPE BEING INSTALLED PVC SCHEDULE 80 UNDER ROADWAYS. AN EXTRA SLEEVE SHALL BE PROVIDED FOR ALL LATERALS AND MAINLINE UNDER ROADWAYS AND FOR ALL MAINLINE.
	Valve Callout # • Valve Number # • Valve Flow # • Valve Size
	TREE CENTER MARK
	CONCRETE VALVE/PULL BOX: DURACRETE #38 PRECAST CONCRETE VALVE BOX W/ CAST IRON LID. Tel. 801-972-8686 (COORDINATE CONC. BOX LOCATION W/ CONCRETE SCORE JOINTS. BOXES SHOWN IN PLANS MAY VARY IN SIZE TO ACCOMMODATE DRAFTING. ALL BOXES TO BE SAME SIZE IN FIELD.)

**IRRIGATION GENERAL NOTES**

- THIS DRAWING IS DIAGRAMMATIC ONLY. ALL IRRIGATION COMPONENTS ARE TO BE INSTALLED IN LANDSCAPE AREAS. ITEMS SHOWN ON WALKWAYS AND BUILDINGS ARE FOR GRAPHIC CLARITY ONLY. CONTRACTOR TO VERIFY STATIC PRESSURE OF 57 PSI PRIOR TO STARTING WORK. REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT. THE SYSTEM SHALL BE TESTED FOR COMPLETE COVERAGE AND ALL ADJUSTMENTS MADE PRIOR TO ACCEPTANCE BY THE OWNER.
- CONTRACTOR TO CONTACT LOCAL UTILITY PROVIDER/BLUE STAKES AND VERIFY ALL EXISTING UTILITIES AND UNDERGROUND STRUCTURES BEFORE CONSTRUCTION BEGINS. CONTRACTOR TO PROTECT AND PRESERVE ALL EXISTING UTILITIES LOCATED ON SITE WHICH ARE NOT SCHEDULED FOR REMOVAL ACCORDING TO DEMOLITION PLAN. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AND/OR REPLACED BY CONTRACTOR TO OWNER'S STANDARDS, SPECIFICATIONS AND RECOMMENDATIONS. ANY EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE LABELED AS PART OF THE "AS-BUILT" DRAWING TO BE TURNED IN TO THE LANDSCAPE ARCHITECT ONCE PROJECT IS COMPLETED.
- POINT OF CONNECTION:** CONTRACTOR TO INCLUDE STOP AND WASTE VALVE AND ACCOMPANYING COMPONENTS AT POINT OF CONNECTION FOR SYSTEM. LOCATE STOP AND WASTE VALVE POC IN FIELD. (STOP AND WASTE LOCATION NOT SHOWN ON PLANS.)
- AS-BUILT DRAWINGS:** CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE OWNER REP./ARCHITECT ONCE CONSTRUCTION IS COMPLETE FOR THE IRRIGATION SPRINKLER SYSTEM SHOWING EXACT MEASURED AND DIMENSIONED LOCATIONS OF ALL VALVES, IRRIGATION HEADS, AND OTHER BELOW GRADE IRRIGATION EQUIPMENT. THE DIMENSIONS TO PERMANENT FEATURES SUCH AS EXISTING STRUCTURES.
- IRRIGATION CONTROLLER:** CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND LABOR NECESSARY TO MAKE CONTROLLER OPERATIONAL. ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL CODES, STANDARDS AND REGULATIONS.
- MAINLINE & LATERAL LINES:** PLACE MAINLINE MIN. OF 3' DISTANCE FROM ANY HARD EDGES (I.E. WALLS, SIDEWALKS, CONCRETE ETC.) **LATERAL LINES:** PLACE LATERAL LINES MIN. OF 12" DISTANCE FROM ANY HARD EDGES. ADJUST LINE LOCATIONS AS NEEDED TO AVOID TREES. PLACE LINES IN TREE GRATES AS FAR AWAY FROM TREE AS POSSIBLE TO AVOID DAMAGE FROM ROOT GROWTH. LINE LOCATIONS SHOWN DIAGRAMMATICALLY IN PLANS.
- VALVE BOXES:** PLACE VALVE BOXES IN SHRUB BEDS WHERE FEASIBLE. IRRIGATION BOXES TO BE PLACED A MINIMUM OF 3' FROM WALKWAYS, WHERE APPLICABLE. BOXES IN SHRUB BEDS COLOR: TO MATCH MULCH. SUBMIT COLOR SAMPLES FOR REVIEW & APPROVAL.
- SLEEVES:** THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVES FOR IRRIGATION LATERAL LINE AND PRESSURE SUPPLY LINE UNDER HARDSCAPE PRIOR TO THE CONSTRUCTION OF HARDSCAPE PAVING. IF THE CONTRACTOR FAILS TO INSTALL ALL NECESSARY SLEEVES FOR SYSTEM OPERATION PRIOR TO THE HARDSCAPE CONSTRUCTION, THEN THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL EXPENSES OF TRENCHING AND PATCHING OF CONCRETE AND/OR PAVING AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. COORDINATE ALL SLEEVE AND CONDUIT FOR LATERALS AND WIRING WITH GENERAL CONTRACTOR PRIOR TO HARDSCAPE CONSTRUCTION.
- ALL SLEEVING SHALL BE PERFORMED PER SPECIFICATION. WHERE NECESSARY UNDER EXISTING PAVEMENT CONTRACTOR IS TO BORE/MISSILE UNDER EXISTING PAVEMENT FOR PLACEMENT AND INSTALLATION OF NEW IRRIGATION PIPE AND CONTROL WIRE SLEEVE(S).
- INCLUDE ADDITIONAL OPEN SLEEVE WITH THE SAME DIAMETER AS SLEEVE BEING FILLED IN THE SAME LOCATION.
- VALVE NOTES:** PROVIDE VALVE I.D. TAGS TO ALL CONTROL VALVES IN ALL VALVE BOXES. ADD VALVE I.D. TAGS TO WIRING AT 3 WAY JUNCTIONS. TAGS SHALL INDICATE DIRECTION WIRING LEADS AND VALVES SERVED (E.G. EAST TO V46-V50 ETC.) TAGS TO BE ALUMINUM OR PLASTIC TAG WITH EMBEDDED OR RAISED NUMBERS. PRODUCT: RAIN BIRD VALVE TAGS OR APPROVED EQUAL.
- 2-WIRE IRRIGATION CONTROL WIRING:** 14-2 TWO-WIRE CABLE. CONTROL WIRE SHALL BE AS PER MANUFACTURER RECOMMENDATIONS FOR TWO-WIRE IRRIGATION CONTROLLER. PLACE 2-WIRE IN 1" PVC CONDUIT. PLACE CONDUIT IN SAME TRENCH AS MAINLINE USE WATERPROOF WIRE DBRY CONNECTORS AT SPLICES AND LOCATE ALL SPLICES WITHIN VALVE BOXES. ALL IRRIGATION CONTROL WIRE SPLICES ARE TO BE LOCATED IN VALVE BOXES AND SHOWN ON AS-BUILTS. ALL WIRES TO BE INSTALLED UNDER HARDSCAPE ARE TO BE INSTALLED IN PVC ELECTRICAL CONDUIT. SLEEVE SHALL RUN ALONGSIDE IRRIGATION MAINLINE. INSTALL SLEEVE SIZE AS SHOWN BELOW: CONTROL WIRE IN 1" PVC SCH. 40 CONDUIT, (1) 2" SCH. 40 PVC PIPE. ALL WIRES TO BE INSTALLED UNDER HARDSCAPE ARE TO BE INSTALLED IN GRAY PVC ELECTRICAL CONDUIT, TYPICAL PVC SCH 40 UNLESS UNDER VEHICULAR ROADWAYS WHICH ARE TO BE PVC SCH 80.
- 2-WIRE CONDUITS:** CONDUIT: 1" PVC SCH. 40 CONDUIT; INSTALL CONTINUOUS CONDUIT FOR ALL CONTROL WIRE. USE SWEEP ELL TO BRING CONDUIT INTO VALVE BOXES PER DETAILS. 1" PVC SCH. 80 CONDUIT; INSTALL CONTINUOUS CONDUIT FOR ALL CONTROL WIRE. USE SCHEDULE 80 FOR ALL AREAS UNDER ROADWAYS; PLACE ALL WIRE IN CONDUITS. LEAVE MIN. 5' OF WIRE LENGTH AT EACH VALVE FOR SPLICING AT EACH DECODER. ALWAYS USE NEW CONNECTORS TO DECODERS. ADD 2-WIRE FUSE SWITCH AS SHOWN ON PLANS.
- EQUIPMENT LOCATION NOTE:** ALL EQUIPMENT SHOWN ON PLANS IS SHOWN FOR GRAPHIC CLARITY. CONTRACTOR TO ADJUST LOCATIONS OF VALVES, EQUIPMENT AND LINES AS NEEDED TO AVOID UTILITIES, BOXES, LIGHT POLES ETC.. CONTRACTOR TO COORDINATE W/ LANDSCAPE ARCHITECT PRIOR TO MAKING ADJUSTMENTS IN FIELD.

NO.	DATE	DESCRIPTION

0 1 2  
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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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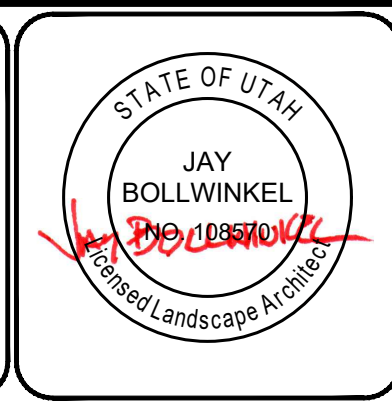
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**PAYSON CITY MAIN STREET**  
IRRIGATION SCHEDULE

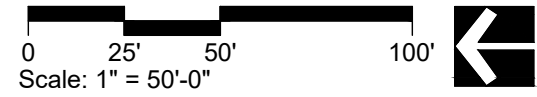
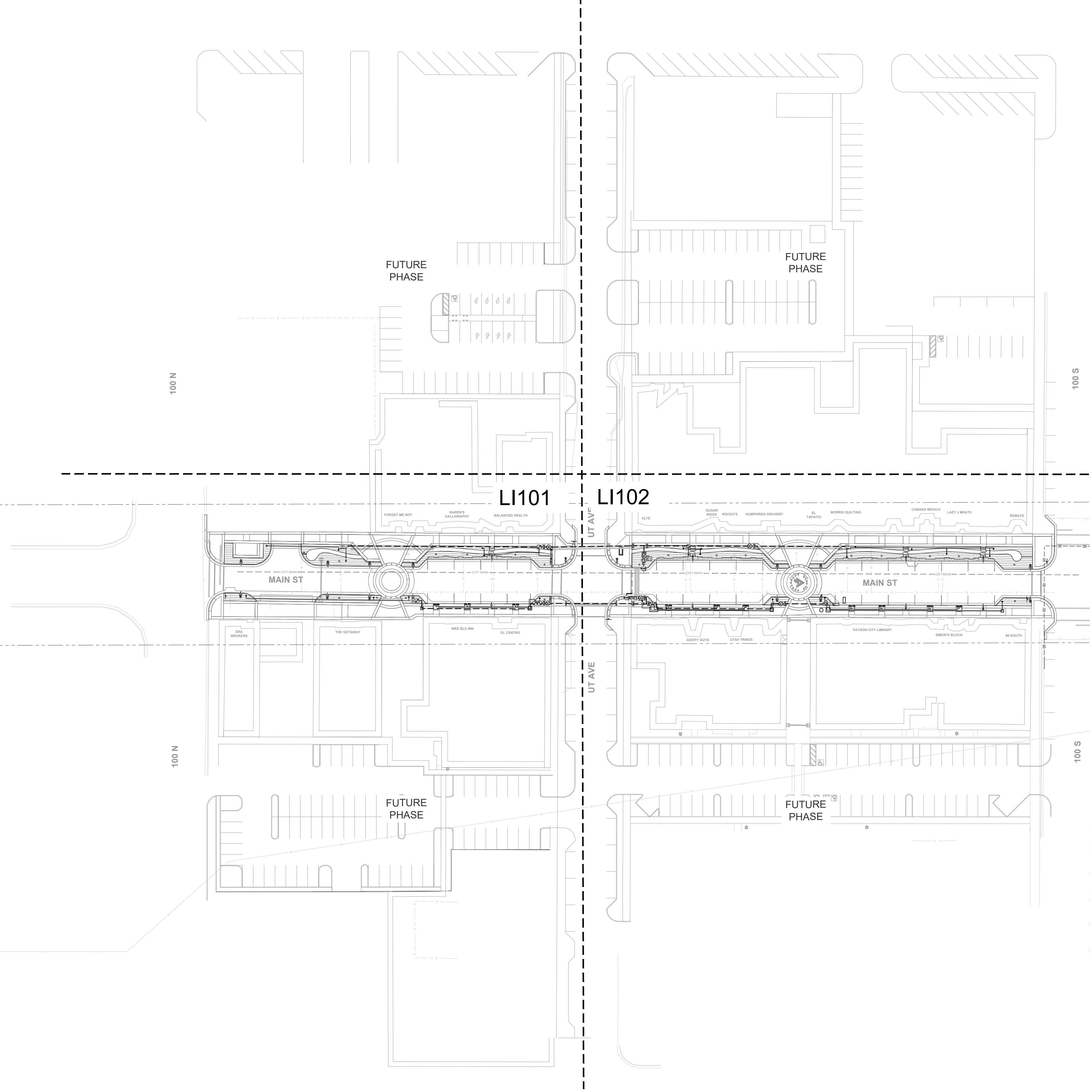


PROJECT NUMBER  
**21-158**

SHEET  
**19** OF **31**

SHEET NUMBER  
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CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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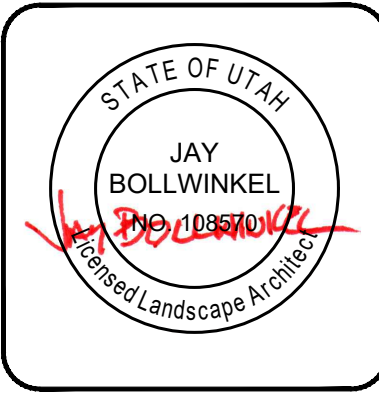
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**PAYSON CITY MAIN STREET**  
IRRIGATION OVERVIEW

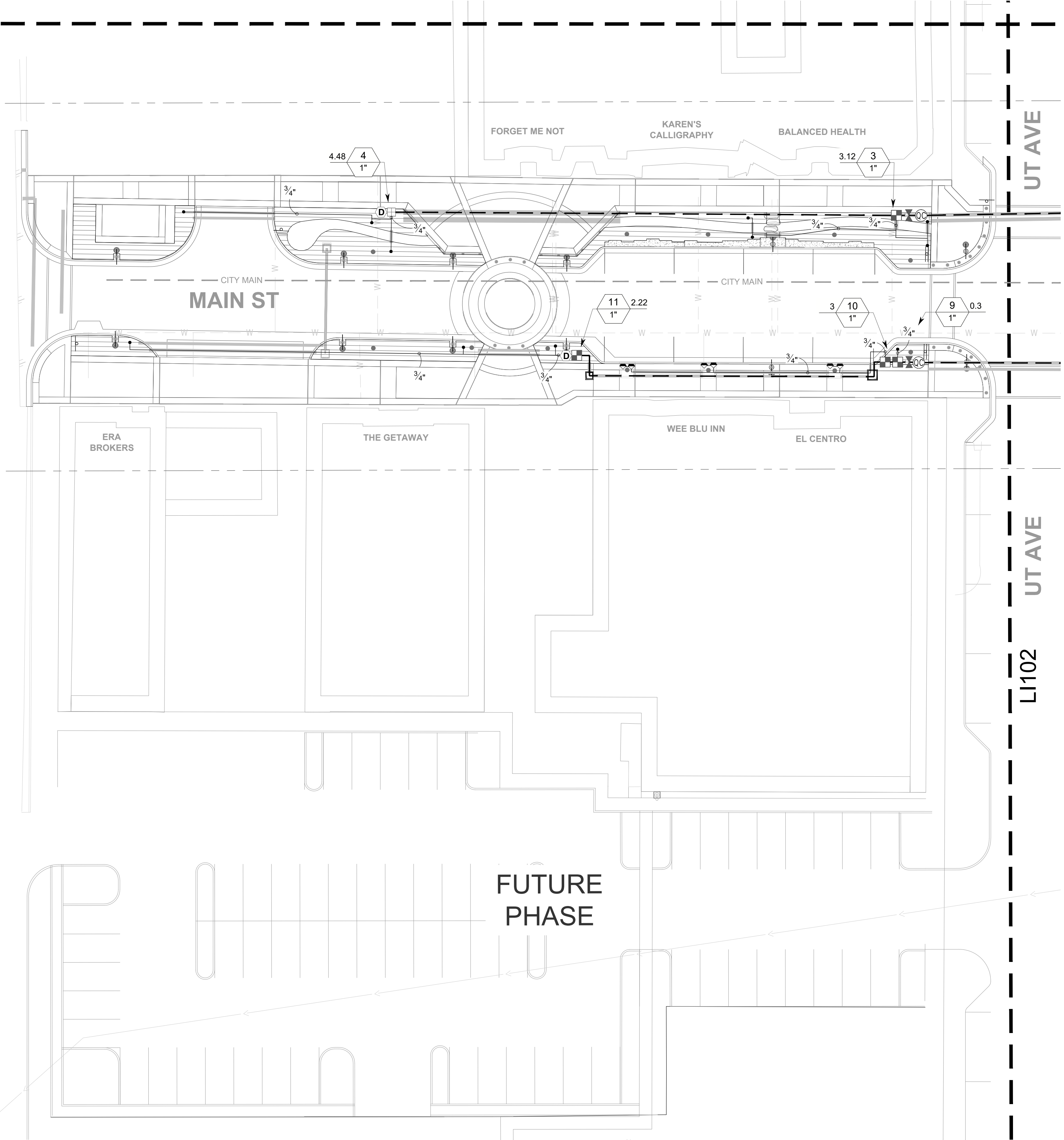


PROJECT NUMBER  
**21-158**

SHEET  
**20** OF  
**31**

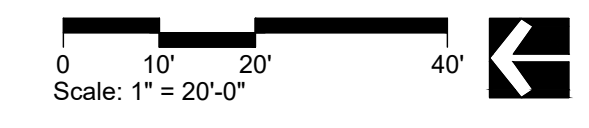
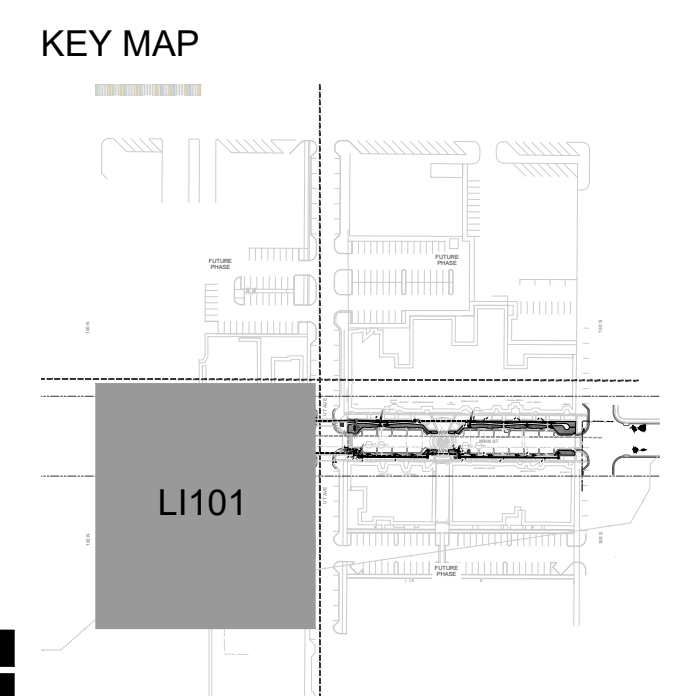
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**LI100**

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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	NETAFIM LVCZ10075-HFHP PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1IN. SERIES 80 CONTROL VALVE, 3/4IN. DISC FILTER, AND HIGH FLOW PRESSURE REGULATOR 4.5GPM TO 17.6GPM.
	NETAFIM LVCZS8010075-LF PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1IN. SERIES 80 CONTROL VALVE, 3/4IN. DISC FILTER, AND LOW FLOW PRESSURE REGULATOR 0.25GPM-4.4GPM
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.
	BRASS BALL VALVE - SIZE PER PLAN
	DRAIN VALVE FIP WATER SERVICE BRASS BALL VALVE CURB STOP - SIZE PER MAINLINE
	RAIN BIRD ESP-LXD-LXMPED 50 STATION, 2-WIRE DECODER BASED CONTROLLER IN POWDER COATED METAL, CABINET W/ PEDESTAL. (1) ESP-LXD 50-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. INSTALL IN RAIN BIRD LXMM-LXMPED POWDER COATED METAL CABINET W/ PEDESTAL. SYSTEM REQUIREMENTS: RAIN BIRD FD-XXX-TURF FIELD DECODERS, PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LSP-1TURF LINE SURGE PROTECTORS IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
	NETAFIM REED SWITCH REGISTER 2 2IN. MASTER VALVE/FLOW SENSOR WITH WATER METER AND HYDRAULIC VALVE IN A SINGLE UNIT. CAST IRON WITH BAKED POWDER-COATED FINISH, MINIMUM WORKING PRESSURE 14 PSI. FEMALE PIPE THREAD, REED SWITCH REGISTER.
	AMIAD 2-OL-MSIG- STEEL SCREEN AMIAD 2IN. MINI SIGMA, ON-LINE SELF-CLEANING FILTER, BSPT OR NPT INLET-OUTLET. STAINLESS STEEL WEAWEWIRE SCREEN ELEMENT. ADI-P BLUETOOTH RANGE CONTROLLER. MAXIMUM WORKING PRESSURE 116PSI. PROVIDE LOCKABLE ENCLOSURE PER MANUF. RECOMMENDATIONS. PROVIDE GRAVEL SUMP ADJACENT FILTER ON FLUSH PORT SIDE REFER TO DETAILS.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40 2" PVC SCH 40 MAINLINE
	PIPE SLEEVE: PVC SCHEDULE 40 SIZE 2 TIMES GREATER THAN PIPE BEING INSTALLED. PVC SCHEDULE 80 UNDER ROADWAYS. AN EXTRA SLEEVE SHALL BE PROVIDED FOR ALL LATERALS AND MAINLINE UNDER ROADWAYS AND FOR ALL MAINLINE.
	Valve Callout: # # Valve Number # Valve Flow # Valve Size
	TREE CENTER MARK
	CONCRETE VALVE/PULL BOX: DURACRETE #38 PRECAST CONCRETE VALVE BOX W/ CAST IRON LID. Tel. 801-972-8686 (COORDINATE CONC. BOX LOCATION W/ CONCRETE SCORE JOINTS. BOXES SHOWN IN PLANS MAY VARY IN SIZE TO ACCOMMODATE DRAFTING, ALL BOXES TO BE SAME SIZE IN FIELD.)



NO.	DATE	DESCRIPTION

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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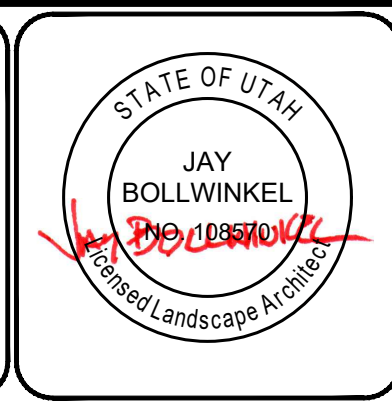
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**PAYSON CITY MAIN STREET**  
IRRIGATION PLAN

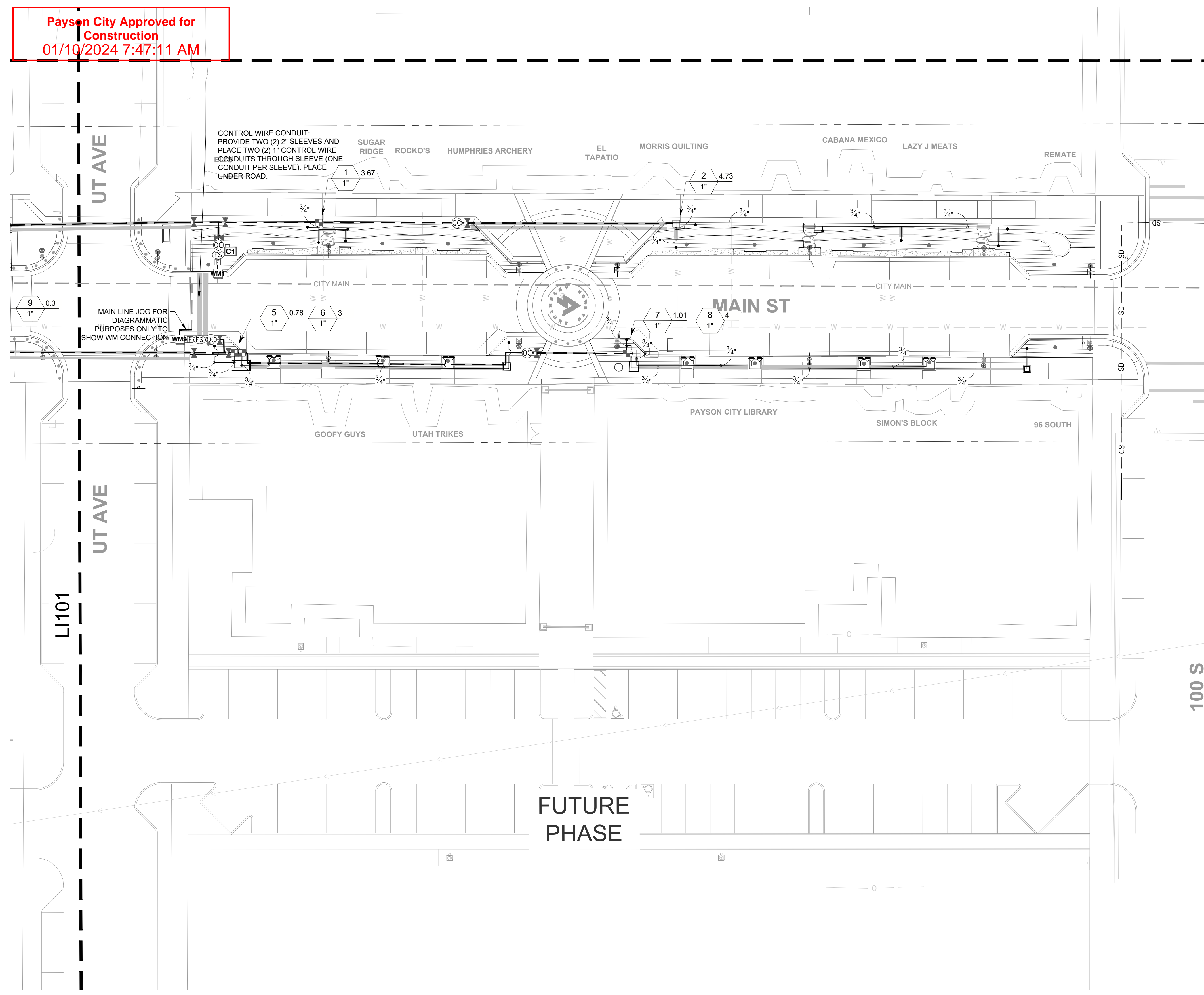


PROJECT NUMBER  
**21-158**

SHEET  
**21** OF  
**31**

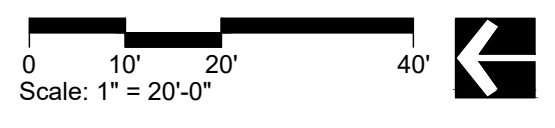
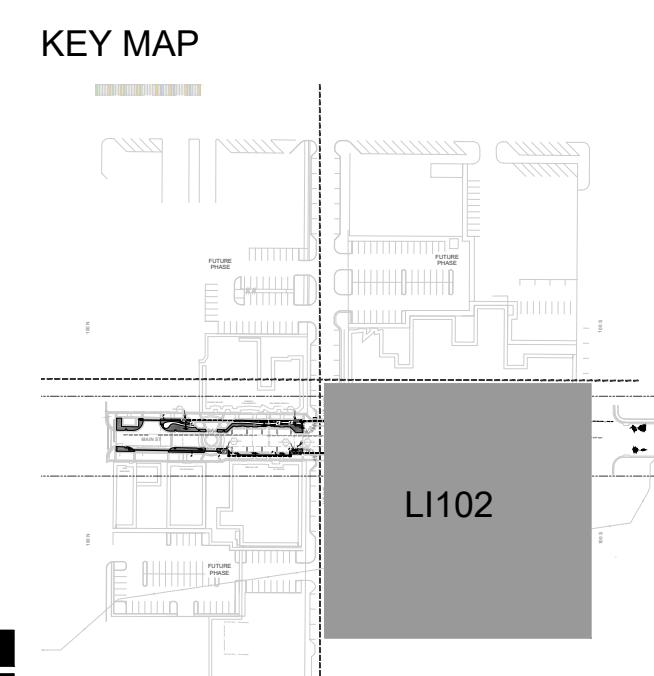
SHEET NUMBER  
**LI101**

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**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
[Symbol]	NETAFIM LVCZ10075-HFHP PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1IN. SERIES 80 CONTROL VALVE, 3/4IN. DISC FILTER, AND HIGH FLOW PRESSURE REGULATOR 4.5GPM TO 17.6GPM.
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[Symbol]	BRASS BALL VALVE - SIZE PER PLAN
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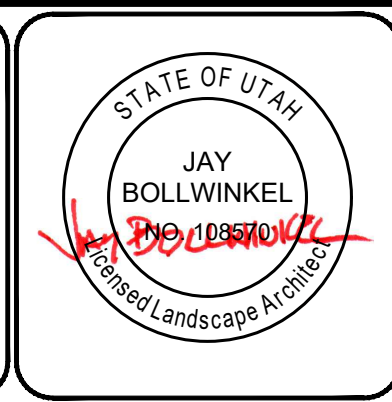
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PRINCIPAL  
**JAY BOLLWINKEL**  
PROJECT MANAGER  
**JAY BOLLWINKEL**  
CHECKED BY  
**JAY BOLLWINKEL**  
DRAWN BY  
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DRAWING SCALE  
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**PAYSON CITY MAIN STREET**  
IRRIGATION PLAN



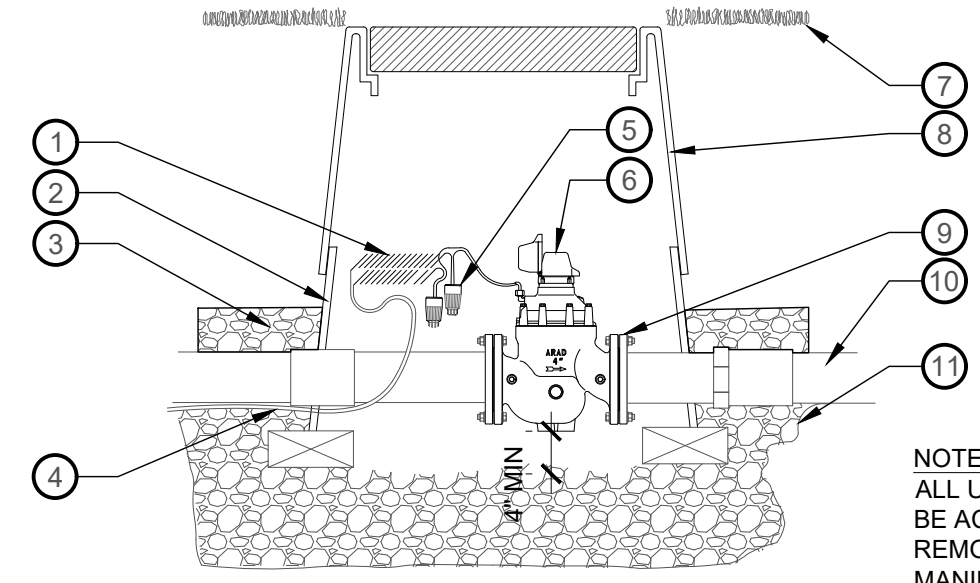
PROJECT NUMBER  
**21-158**

SHEET  
**22** OF  
**31**

SHEET NUMBER  
**L1102**

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- 1 USE 1/2" PVC SCRAP TO WRAP 12" OF ADDITIONAL WIRE BEFORE CONNECTING
- 2 VALVE BOX EXTENSION AS REQUIRED
- 3 3/4" GRAVEL SUMP IN, UNDER, & AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES
- 4 DIRECT BURY COMMUNICATION WIRE TO HYDROMETER
- 5 CONNECT WIRES TO VALVE WITH WATER TIGHT CONNECTORS
- 6 HYDROMETER, INSTALL PERMAN. REQ. (SEE IRRIGATION LEGEND ON PLAN)
- 7 FINISH SURFACE
- 8 JUMBO RECTANGULAR VALVE BOX
- 9 FLANGE CONNECTION
- 10 MAIN LINE. SIZE PER PLAN
- 11 FILTER FABRIC

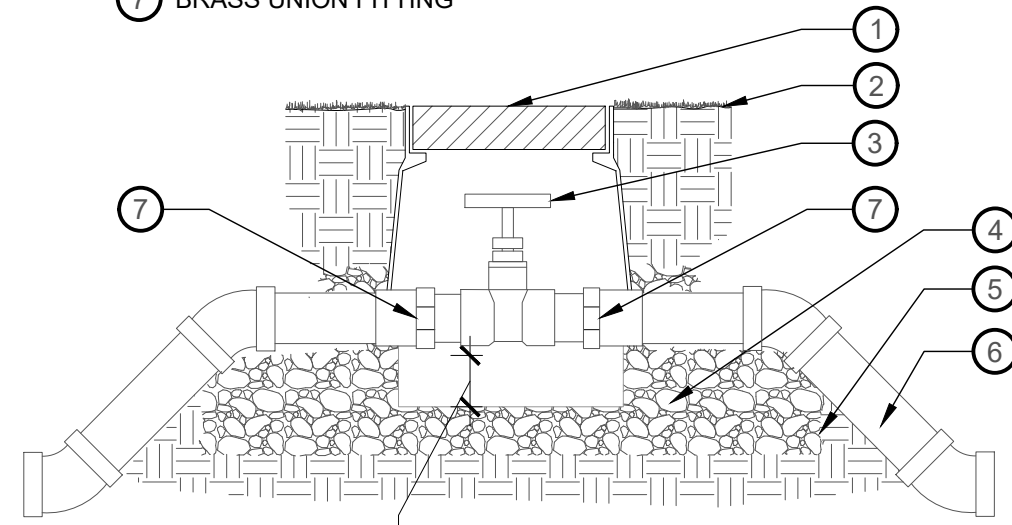


NOTE  
ALL UNIONS AND VALVES MUST BE ACCESSIBLE AND REMOVABLE WITHOUT MANIPULATION OF VALVE BOX AND DIGGING OUT GRAVEL. RESPECT 4" MIN CLEARANCE.

**1 HYDROMETER VALVE**

NTS P-21.158-71

- 1 10" ROUND VALVE BOX (SEE SPECS) (DO NOT CUT ADDITIONAL HOLES INTO BOX)
- 2 FINISH GRADE
- 3 BRASS GATE VALVE, SIZE PER MAINLINE
- 4 3/4" GRAVEL SUMP IN, UNDER AND AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES
- 5 INSTALL FILTER FABRIC AROUND GRAVEL SUMP
- 6 MAIN LINE
- 7 BRASS UNION FITTING

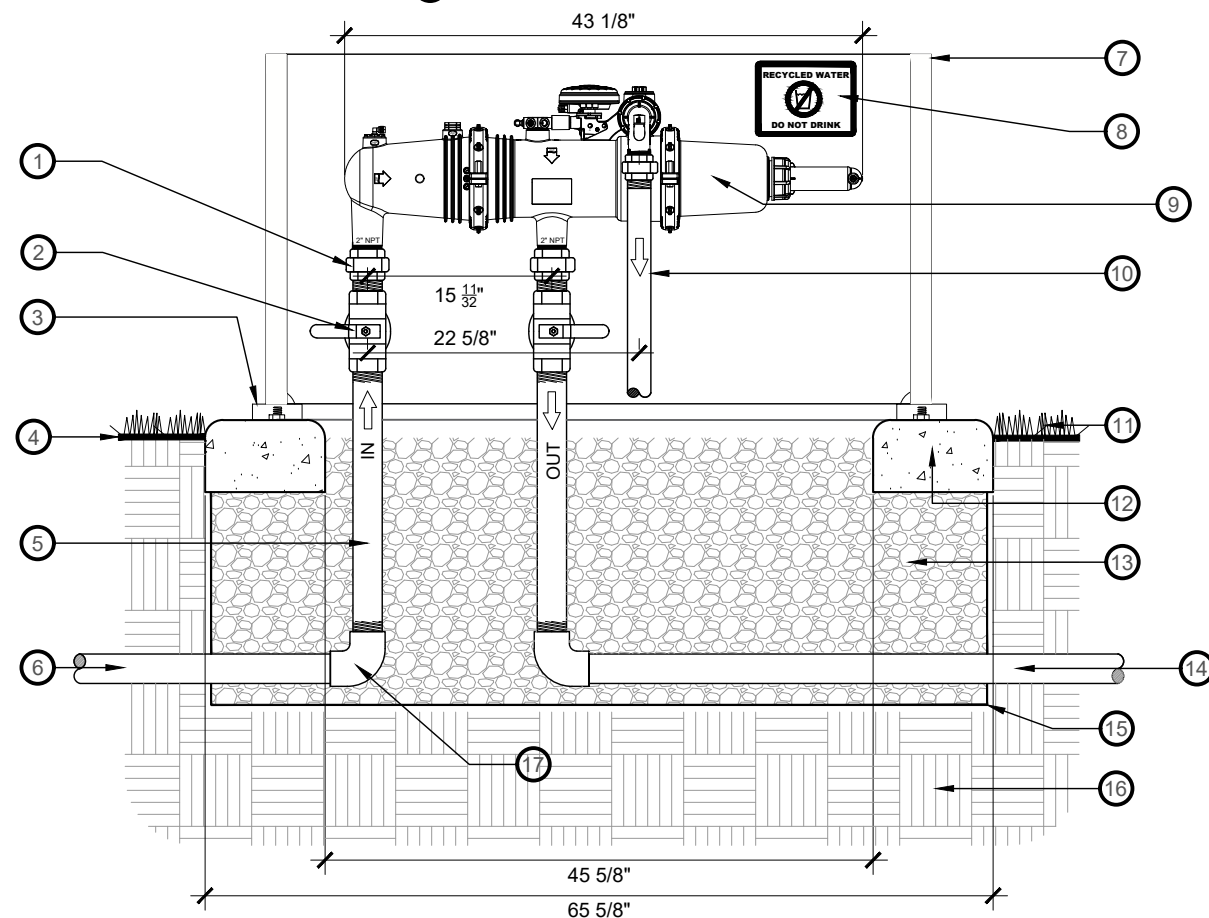


NOTES:  
1. SIZE BALL VALVE PER MAIN LINE.  
2. BALL VALVE IS NOT TO EXCEED 2" IN SIZE.  
3. ALL UNIONS AND VALVES MUST BE ACCESSIBLE AND REMOVABLE WITHOUT MANIPULATION OF VALVE BOX AND DIGGING OUT GRAVEL. RESPECT 4" MIN CLEARANCE BETWEEN VALVE AND GRAVEL.

**5 BRASS GATE VALVE**

NTS

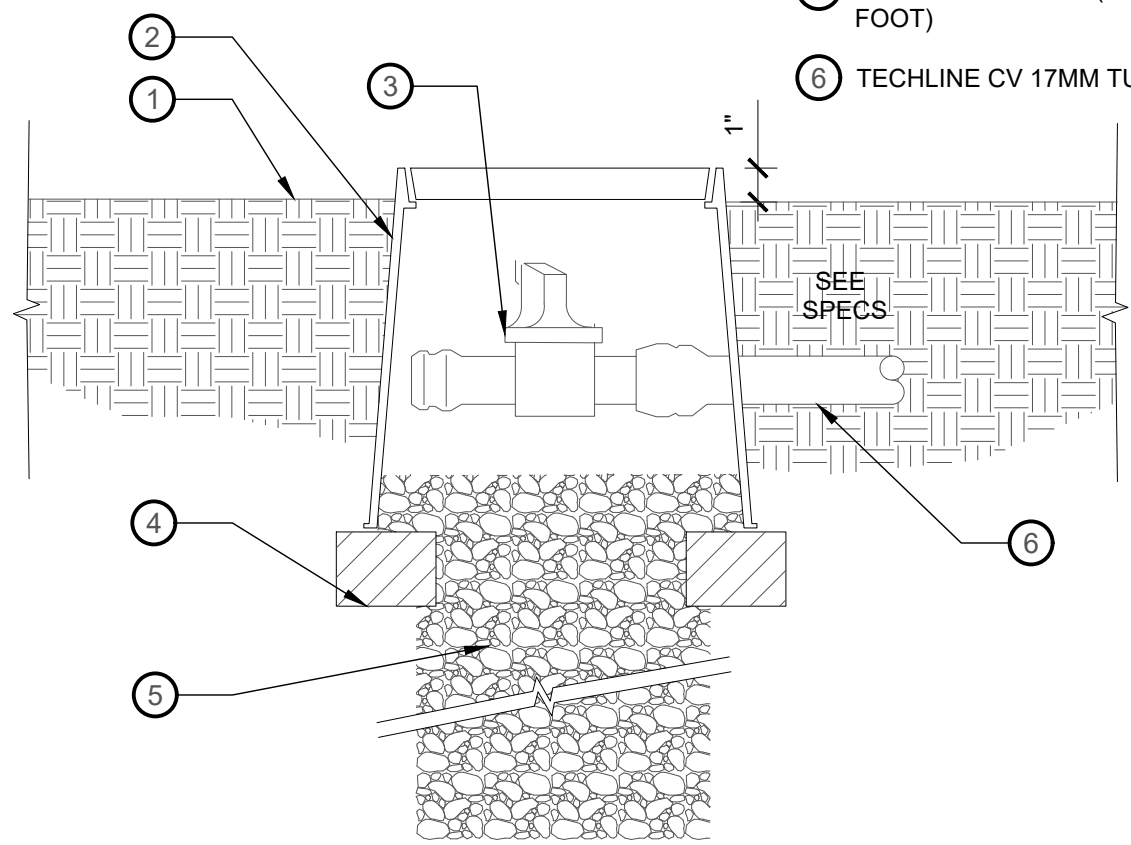
- 1 2" BRASS UNION NIPPLE
- 2 2" BRASS GATE VALVE
- 3 SECURED SWIVEL MOUNTING PLATES
- 4 FINISH GRADE
- 5 2" GALVANIZED NIPPLE
- 6 2" CLASS 315 PVC PIPE
- 7 STRONGBOX SBBC-52AL 52"L, 30"H, XX"W
- 8 RECYCLED WATER STICKER DO NOT DRINK
- 9 2" ON LINE MINI SIGMA UNIT
- 10 1 1/2" GALVANIZED PIPE DISCHARGE PIPE "OPEN TO ATMOSPHERE"
- 11 LANDSCAPE
- 12 6"X10" CONCRETE PAD
- 13 3/4" CRUSHED GRAVEL SUMP BOX
- 14 MAINLINE
- 15 LANDSCAPE FABRIC
- 16 NATIVE SOIL
- 17 2" GALVANIZED ELBOW



**2 IRRIGATION FILTER**

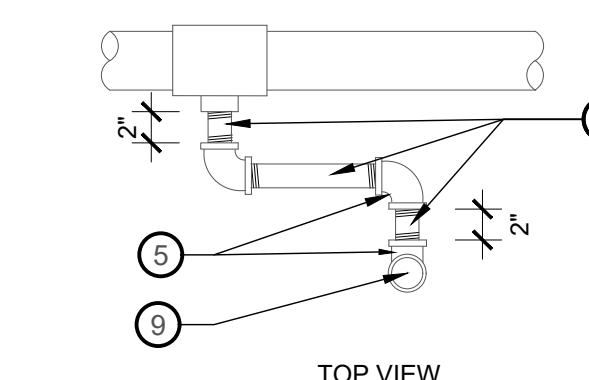
3/4" = 1'-0" P-21.158-111

- 1 FINISH GRADE
- 2 VALVE BOX- SEE SPECS.
- 3 LINE FLUSHING VALVE TISOV
- 4 BRICK SUPPORTS (THREE)
- 5 3/4" GRAVEL SUMP (1 CUBIC FOOT)
- 6 TECHLINE CV 17MM TUBING

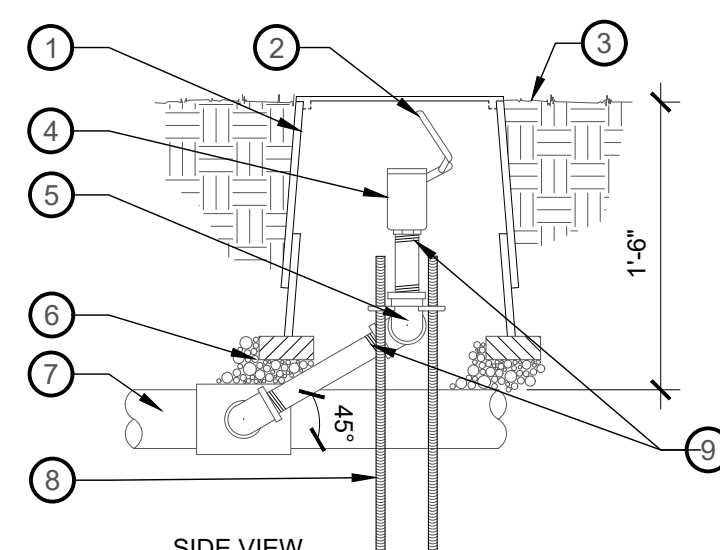


**6 MANUAL LINE FLUSHING VALVE**

NTS P-21.158-28



TOP VIEW



SIDE VIEW

- 1 ROUND VALVE BOX, WITH EXTENSIONS AS NEEDED
- 2 VALVE COVER
- 3 FINISH GRADE
- 4 QUICK COUPLING VALVE PER PLANS
- 5 3/4" PVC SCH 80 90 DEGREE TXT ELLS
- 6 PEA GRAVEL (EXTEND UNDER BRICKS)
- 7 SCH 40 PVC
- 8 5/8" REBAR STAKES, 24' LENGTH
- 9 (2) 3/4" PVC SCH 80 NIPPLES. LENGTH AS NEEDED

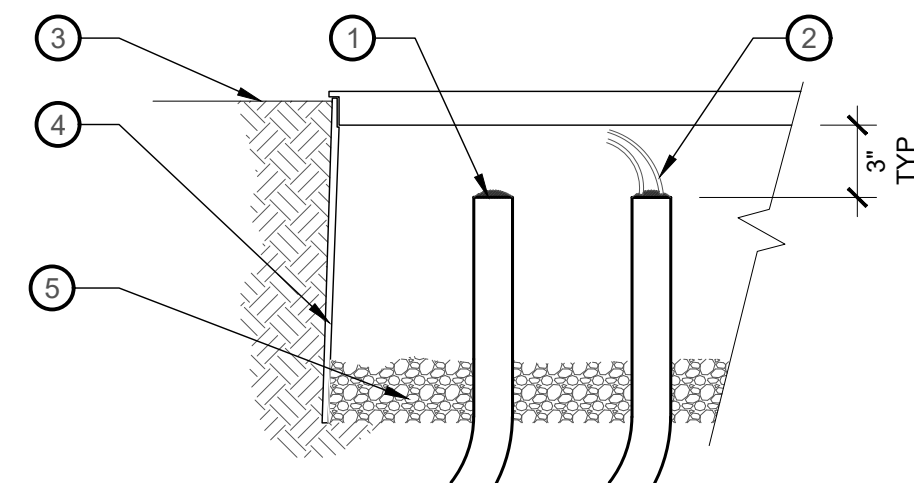
NOTE:  
1. ENSURE REBAR DOES NOT PUNCTURE WATERPROOF MEMBRANE OR STRUCTURE

**3 QUICK COUPLING VALVE**

NTS P-21.158-27

- 1 SEE ALL CONDUITS WITH DUCT SEAL COMPOUND, BY GARVIN INDUSTRIES, OR APPROVED EQUAL
- 2 PACK SEAL TIGHTLY AROUND WIRES AND/OR PULL CORD
- 3 FINISH GRADE
- 4 VALVE BOX
- 5 WASHED GRAVEL

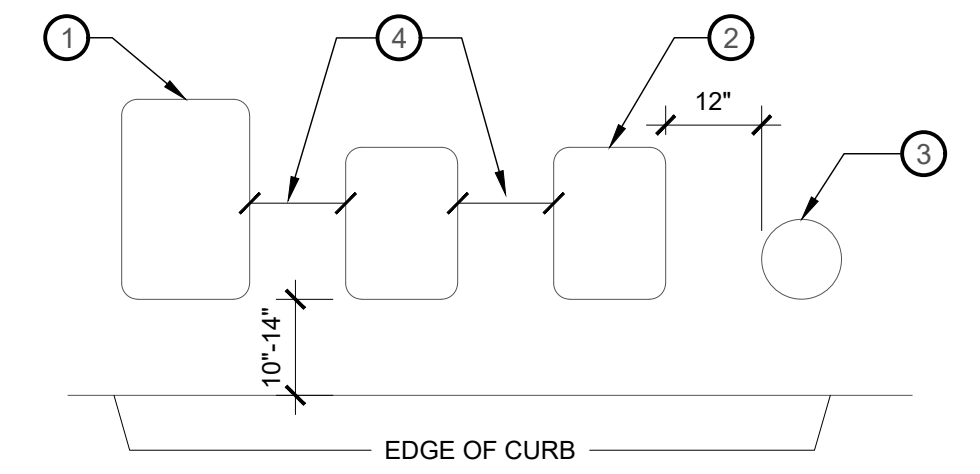
NOTES:  
1) FOR ALL CONDUITS TERMINATED IN VALVE BOXES, CLEAR AND CAP CONDUITS AS SHOWN AND DESCRIBED BELOW.  
2) SUCTION OR BLOW OUT WATER AND DIRT FROM CONDUIT BEFORE INSTALLING MAXI-CABLE WIRING.  
3) SEAL ALL CONDUITS IN VALVE BOXES WITH DUCT SEAL COMPOUND, ASSURING TIGHT FIT AROUND WIRING.



**7 VALVE BOX CONDUIT TERMINATION**

NTS P-21.158-73

- 1 16" X 25" RECTANGULAR JUMBO VALVE BOX
- 2 14" X 19" RECTANGULAR VALVE BOX
- 3 10" DIA. ROUND VALVE BOX FOR QCV AND SPLICE BOX
- 4 12" MIN SPACING IN LAWN AREAS  
3" MIN. SPACING IN SHRUB BEDS

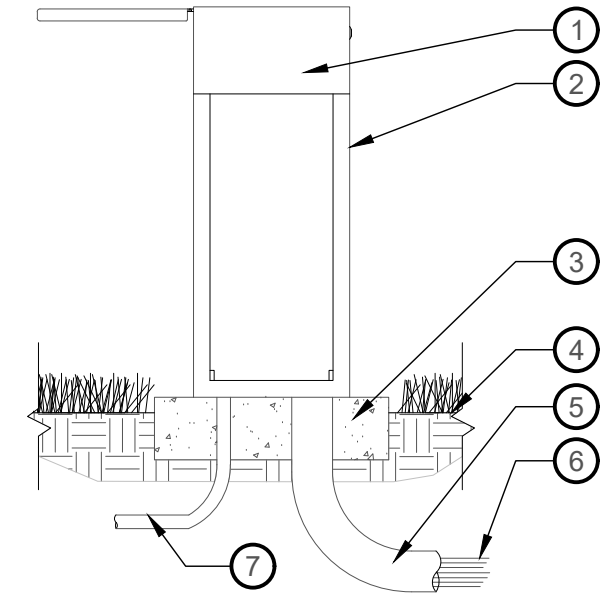


NOTES:  
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.  
2. SET BOXES FLUSH WITH FINISH GRADE IN PAVED AREA.  
3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF CURB.  
4. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.  
5. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.  
6. ALL VALVE BOXES SHALL HAVE "T" TYPE BOLT DOWN LIDS.

**4 VALVE BOX INSTALLATION**

NTS P-21.158-32

- 1 TWO-WIRE DECODER CONTROLLER: RAIN BIRD ESP-LXD TWO-WIRE DECODER CONTROLLER WITH LXMM METAL CABINET AND LXMPED METAL PEDESTAL INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDED BY IRRIGATION CONTRACTOR.
- 2 RAIN BIRD STAINLESS STEEL CONTROLLER ENCLOSURE
- 3 CONCRETE PAD: 6-INCH MINIMUM THICKNESS
- 4 FINISH GRADE
- 5 3-INCH PVC SCH 40 CONDUIT, FITTINGS AND SWEEP ELL
- 6 TWO-WIRE PATH TO DECODERS. USE A DIFFERENT CABLE JACKET COLOR FOR EACH PATH (WHEN APPLICABLE).
- 7 1-INCH PVC SCH 40 CONDUIT, FITTINGS AND SWEEP ELL TO POWER SUPPLY



NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

**8 STAINLESS STEEL PEDESTAL IN LANDSCAPE**

NTS P-21.158-85

NO.	DESCRIPTION	DATE

0 1 2  
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DRAWN BY  
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DRAWING SCALE  
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**PAYSON CITY MAIN STREET**

IRRIGATION  
DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Professional Landscape Architect

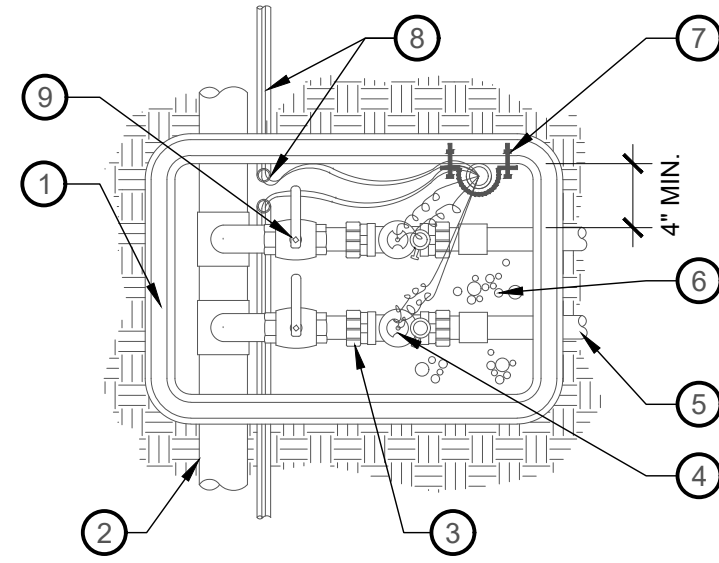
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**23** OF **31**

SHEET NUMBER  
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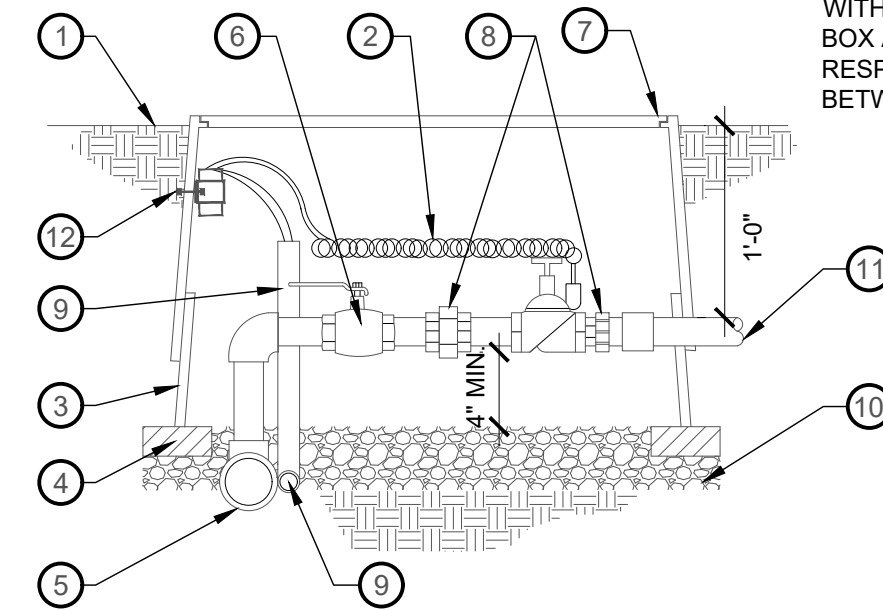
- 1 JUMBO RECTANGULAR VALVE BOX
- 2 SCH. 40 PVC MANIFOLD/ MAIN/ SUB-MAIN SUPPLY LINE, 18" DEPTH.
- 3 SCH. 80 PVC "ACTION" UNION. EACH SIDE OF VALVE
- 4 VALVE PER PLAN
- 5 SCH. 40 PVC LATERAL LINE 12" DEEP MIN
- 6 3/4" CRUSHED GRACEL SUMP
- 7 DECODER ATTACHED TO VALVE BOX WALL W/ STAINLESS STEEL CONDUIT CLAMP FASTENED TO SIDE OF VALVE BOX W/ STAINLESS STEEL BOLTS.
- 8 2-WIRE CABLE IN CONDUIT SEE CONDUIT CAP DETAIL: /
- 9 BRASS BALL VALVE



NOTE:  
1. ONE BALL VALVE TO BE INSTALLED PER VALVE.  
2. TWO VALVES MAX. PER STD. BOX AND THREE VALVES MAX. PER JUMBO BOX.  
3. BOX TO BE LOCATED IN PLANTING BED, NOT TURF AREAS.  
4. VALVE FLOW CONTROL: AT TIME OF INSTALL OPEN VALVE(S) TO FULL AND THEN ADD TWO FULL TURNS TOWARD THE CLOSED POSITION.

1 VALVE ASSEMBLY PLAN (2-WIRE)  
1" = 1'-0" P-21.158-30

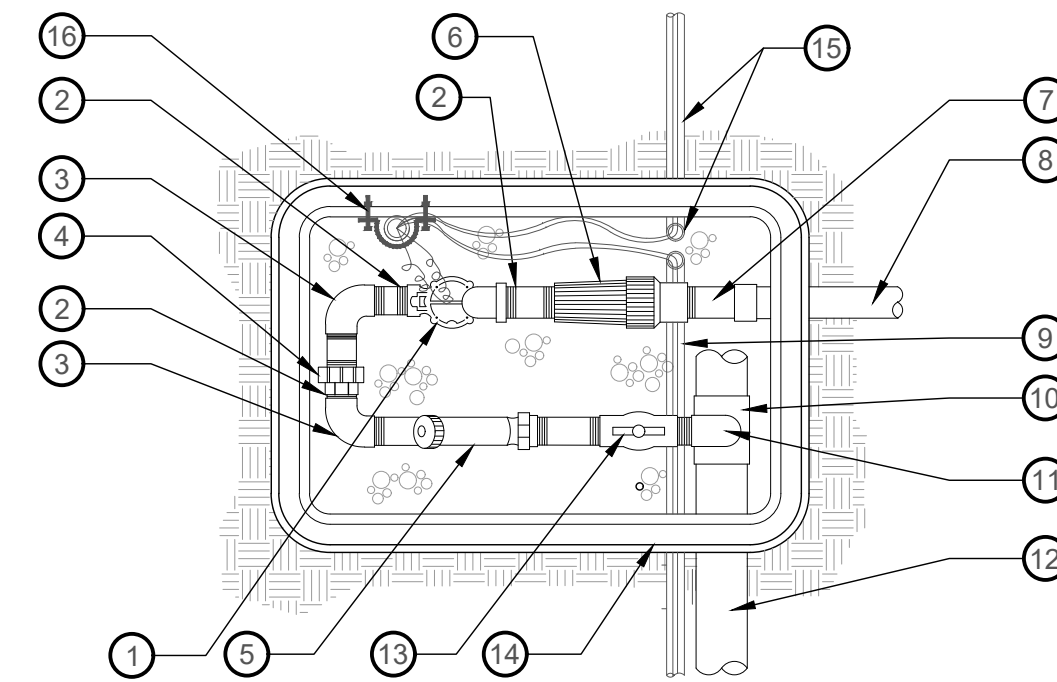
- 1 FINISH GRADE
- 2 24" COILED WIRE
- 3 VALVE BOX EXTENSION AS REQUIRED
- 4 PAVING BRICK
- 5 MANIFOLD/MAINLINE.
- 6 BRASS BALL VALVE
- 7 RECTANGULAR HEAVY DUTY PLASTIC VALVE BOX W/T-TOP
- 8 SCH. 80 PVC "ACTION" UNIONS
- 9 2-WIRE CABLE IN CONDUIT SEE CONDUIT CAP DETAIL: /
- 10 6" DEEP PEA GRAVEL SUMP
- 11 SCH. 40 PVC LATERAL 12" DEEP MIN
- 12 DECODER ATTACHED TO VALVE BOX WALL W/STAINLESS STEEL CONDUIT CLAMP FASTENED TO SIDE OF VALVE BOX W/STAINLESS STEEL BOLTS



NOTE:  
1. ONE BRASS GATE VALVE TO BE INSTALLED PER VALVE BOX/VALVE MANIFOLD. SEE DETAIL: /  
2. ALL UNIONS AND VALVES MUST BE ACCESSIBLE AND REMOVABLE WITHOUT MANIPULATION OF VALVE BOX AND DIGGING OUT GRAVEL. RESPECT 4" MIN CLEARANCE BETWEEN VALVE AND GRAVEL.

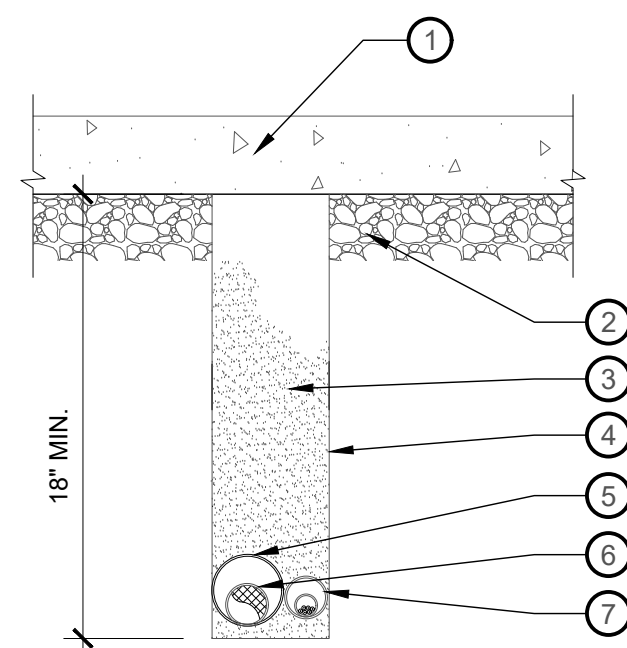
2 VALVE ASSEMBLY SECTION (2-WIRE)  
1" = 1'-0" P-21.158-31

- 1 1" AUTOMATIC VALVE
- 2 SCH. 80 PVC TT NIPPLE
- 3 SCH. 80 TT90
- 4 SCH. 80 PVC TT UNION
- 5 1" FILTER ASSEMBLY
- 6 3/4" PRESSURE REGULATOR
- 7 1" SCH. 80 PVC TOE NIPPLE W/COUPLER
- 8 1" SCH. 40 PVC
- 9 3/4" CRUSHED GRACEL SUMP
- 10 SCH. 40 SCS TEE
- 11 SCH. 80 ST90 W/ SCH. 80 TT NIPPLE TO MAIN LINE
- 12 MAIN SUPPLY LINE
- 13 PVC BALL VALVE TT
- 14 JUMBO RECTANGULAR VALVE BOX
- 15 2-WIRE CABLE IN CONDUIT SEE CONDUIT CAP DETAIL: /
- 16 DECODER ATTACHED TO VALVE BOX WALL W/ STAINLESS STEEL CONDUIT CLAMP FASTENED TO SIDE OF VALVE BOX W/ STAINLESS STEEL BOLTS.



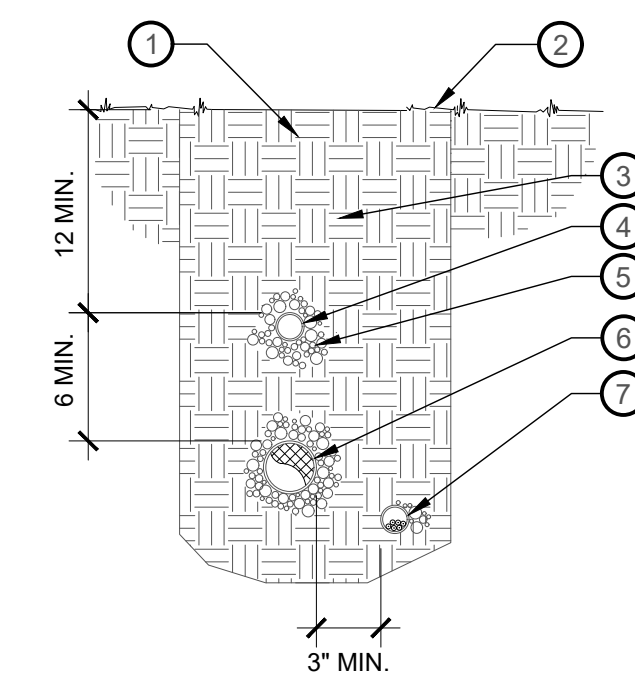
3 DRIP VALVE ASSEMBLY (2-WIRE)  
NTS P-21.158-69

- 1 NEW PAVEMENT
- 2 AGGREGATE BASE
- 3 BACKFILL
- 4 TRENCH WIDTH 21" MINIMUM TO 95% TO ALLOW FOR COMPACTION
- 5 SLEEVE SIZE SHALL BE 2 TIMES PIPE SIZE
- 6 IRRIGATION MAIN/LATERAL LINE
- 7 CONTROLLER 2-WIRE IN 1" PVC CONDUIT. PLACE CONDUIT IN 2" SLEEVE UNDER HARDSCAPE. CONDUIT PLACED ON TOP OF MAINLINE.



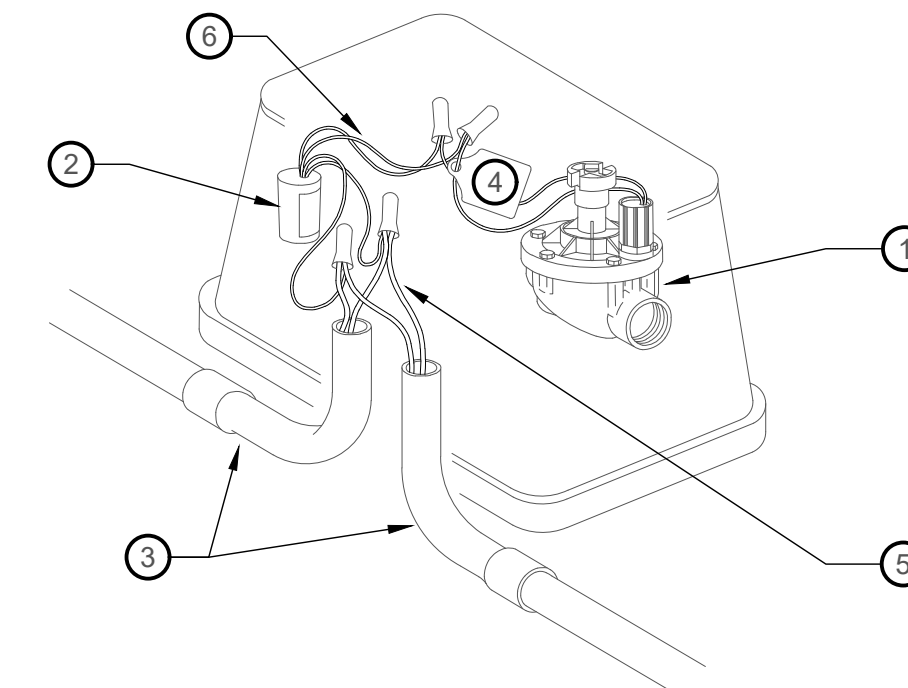
5 PIPE TRENCH IN NEW PAVEMENT - 2 WIRE  
NTS P-21.158-57

- 1 TOPSOIL PER SPEC
- 2 FINISH GRADE
- 3 COMPACTED BACKFILL
- 4 LATERAL PVC LINE: 12" DEPTH
- 5 2" SAND OR ROCK FREE SOIL AROUND ALL PIPE
- 6 MAINLINE: 18" DEPTH
- 7 CONTROLLER 2-WIRE IN 1" PVC CONDUIT. PLACE CONDUIT IN 2" SLEEVE UNDER HARDSCAPE. BURY CONDUIT BELOW AND TO THE SIDE OF PIPE WITH A SEPARATION FROM THE PIPE OF NO FEWER THAN 3 INCHES.



6 TRENCH - 2 WIRE  
NTS P-21.158-56

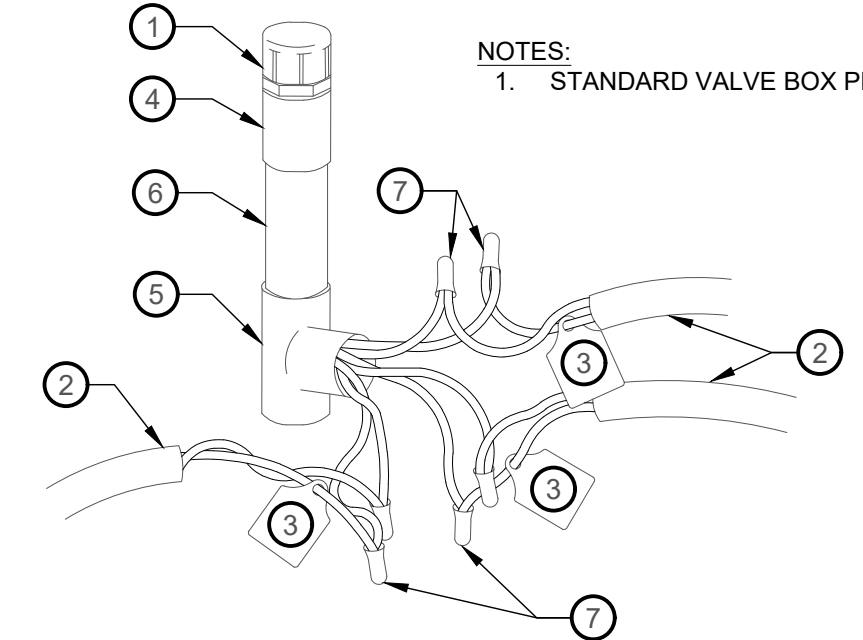
- 1 CONTROL VALVE (SEE LEGEND/SPECS)
- 2 FIELD DECODER (SEE LEGEND/SPECS)
- 3 SWEEP ELBOW
- 4 ID TAG
- 5 WATERPROOF WIRE SPLICES (SEE SPECS) \*\*\* OF 2-WIRE PATH \*\*\*
- 6 WATERPROOF WIRE SPLICES - 3M DBRY-6 WATERPROOF CONNECTORS WITH 18-10 AWG RED YELLOW WIRE CONNECTORS \*\*\* OF CONTROL VALVE LEADS \*\*\*



NOTES:  
1. NUMBER OF WIRES AVAILABLE FROM THE DECODER TO THE CONTROL VALVES IS DEPENDANT ON THE NUMBER OF VALVES TO BE CONTROLLED (1,2,4,6)  
2. 4 & 6 VALVE DECODERS ALSO INCLUDE A LEAD FOR GROUNDING

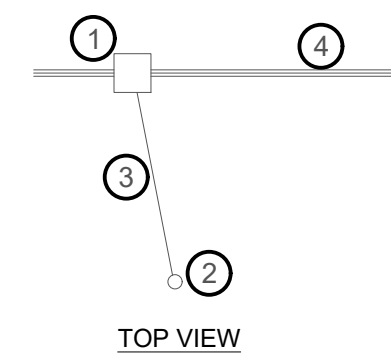
7 DECODER WIRING  
NTS P-21.158-59

- 1 DECODER CABLE SWITCH DEVICE
- 2 SEPARATE 2-WIRE PATHS WITH DIFFERENT COLORED JACKETS FOR FUTURE ELECTRICAL TROUBLESHOOTING NUMBER OR WIRES AT EACH FUSE SWITCH, DEPENDANT ON WIRE LAYOUT
- 3 ID TAG
- 4 SCH.40 COUPLER
- 5 SCH.40 TEE
- 6 SCH.40 PIPE (LENGTH AS REQUIRED FOR STABILIZATION)
- 7 WATERPROOF WIRE NUTS (SEE SPECS.)

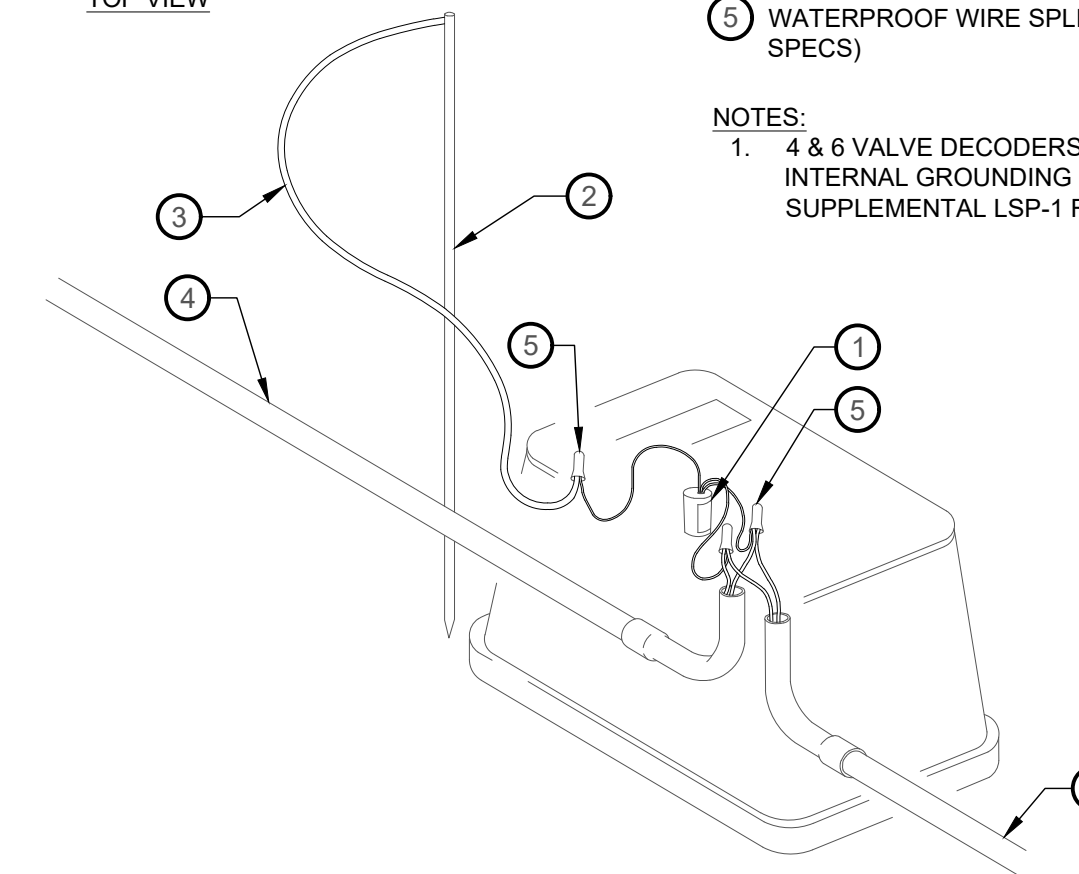


NOTES:  
1. STANDARD VALVE BOX PER FUSE SWITCH

4 2 - WIRE FUSE SWITCH  
NTS P-21.158-61



- 1 LINE SURGE PROTECTOR (LSP-1)
- 2 GROUNDING ROD
- 3 6AWG SOLID COPPER WIRE
- 4 CONDUIT
- 5 WATERPROOF WIRE SPLICES (SEE SPECS)



NOTES:  
1. 4 & 6 VALVE DECODERS INCLUDE INTERNAL GROUNDING NO SUPPLEMENTAL LSP-1 REQUIRED

8 DECODER GROUNDING  
NTS P-21.158-60

NO.	REVISION	DATE

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PRINCIPAL: JAY BOLLWINKEL  
PROJECT MANAGER: JAY BOLLWINKEL  
CHECKED BY: JAY BOLLWINKEL  
DRAWN BY: DEREK JENSON  
DRAWING SCALE: AS SHOWN  
ISSUE DATE: 10/20/2023

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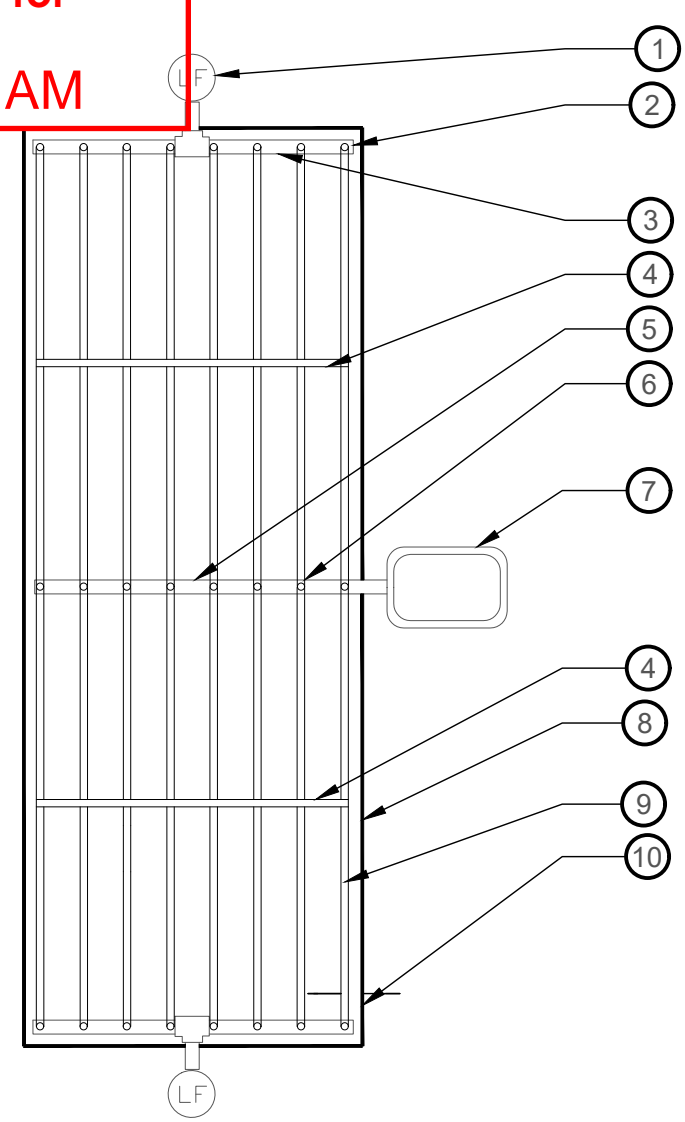
**PAYSON CITY MAIN STREET**  
IRRIGATION  
DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architect

PROJECT NUMBER: 21-158  
SHEET: 24 OF 31  
SHEET NUMBER: LI502

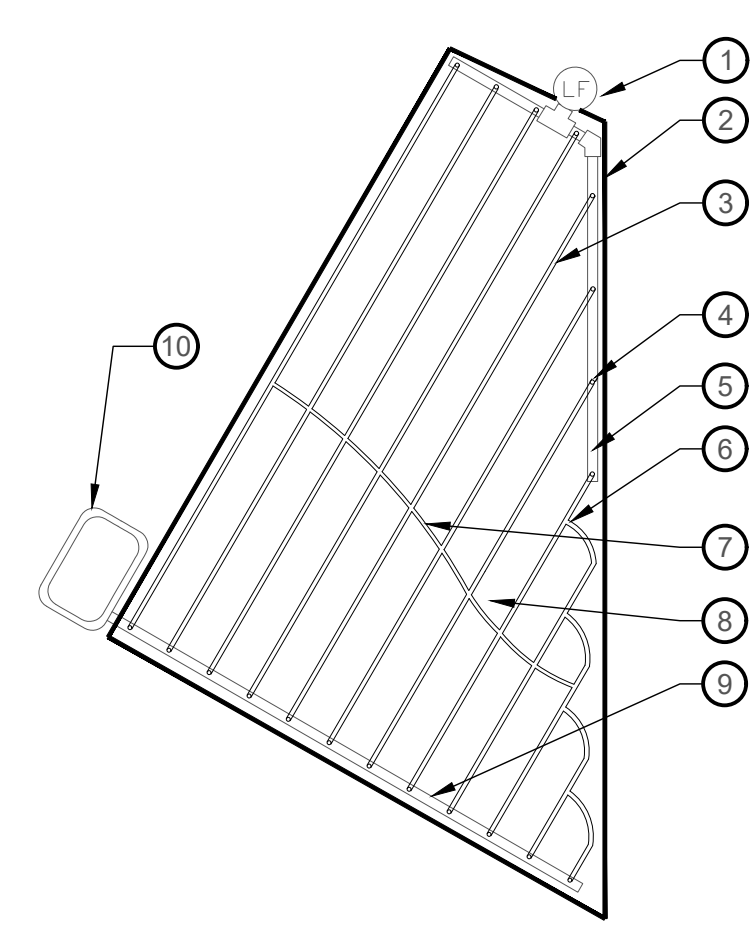


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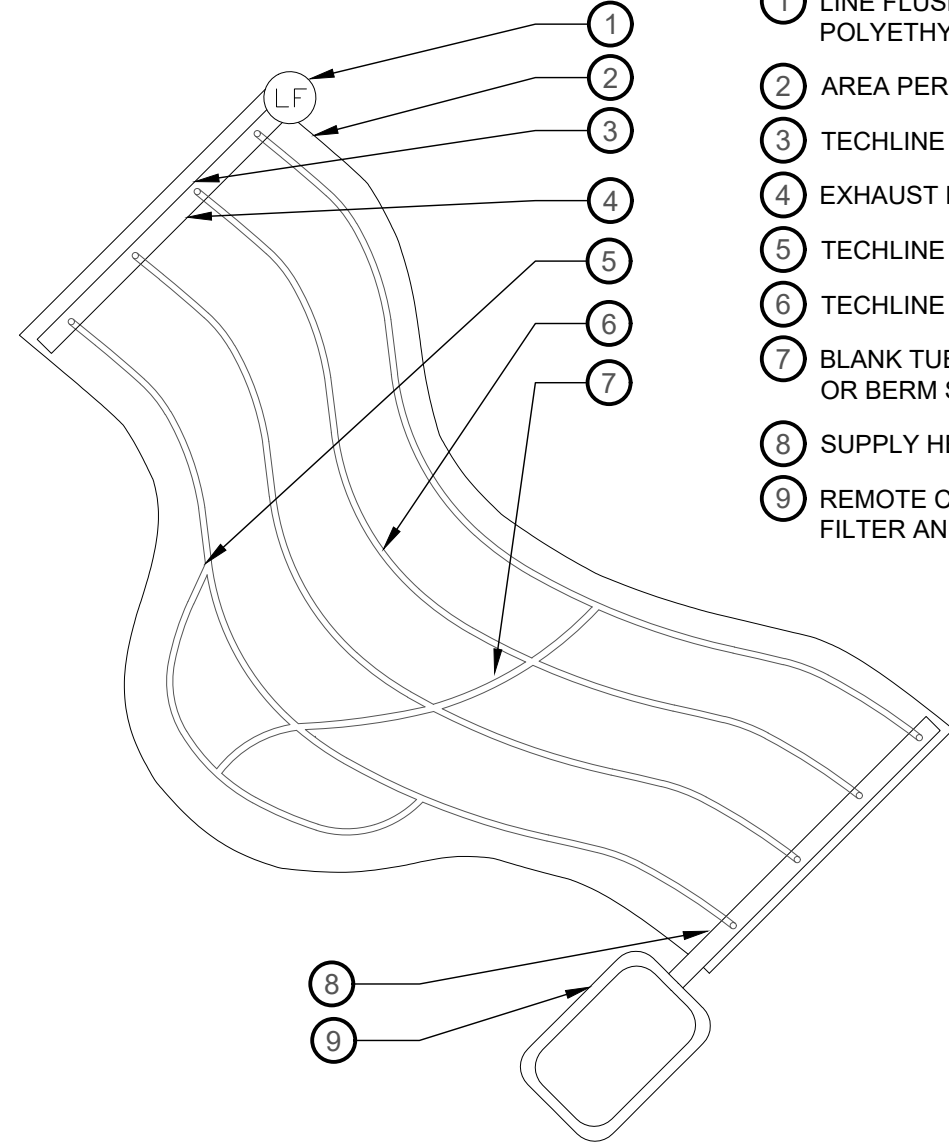
- 1 MANUAL LINE FLUSHING VALVE PLUMBED TO PVC OR POLY
- 2 TECHLINE START CONNECTION MALE ADAPTER
- 3 PVC OR POLY EXHAUST HEADER
- 4 BLANK TUBING EVERY 30' +/-
- 5 PVC OR POLY SUPPLY HEADER
- 6 TECHLINE START CONNECTION
- 7 REMOTE CONTROL VALVE WITH DISC FILTER AND PRV
- 8 AREA PERIMETER
- 9 TECHLINE CV TUBING
- 10 PERIMETER LATERALS 2" TO 4" FROM EDGE

1 TECHLINE CV CENTER FEED LAYOUT  
NTS P-21.158-20



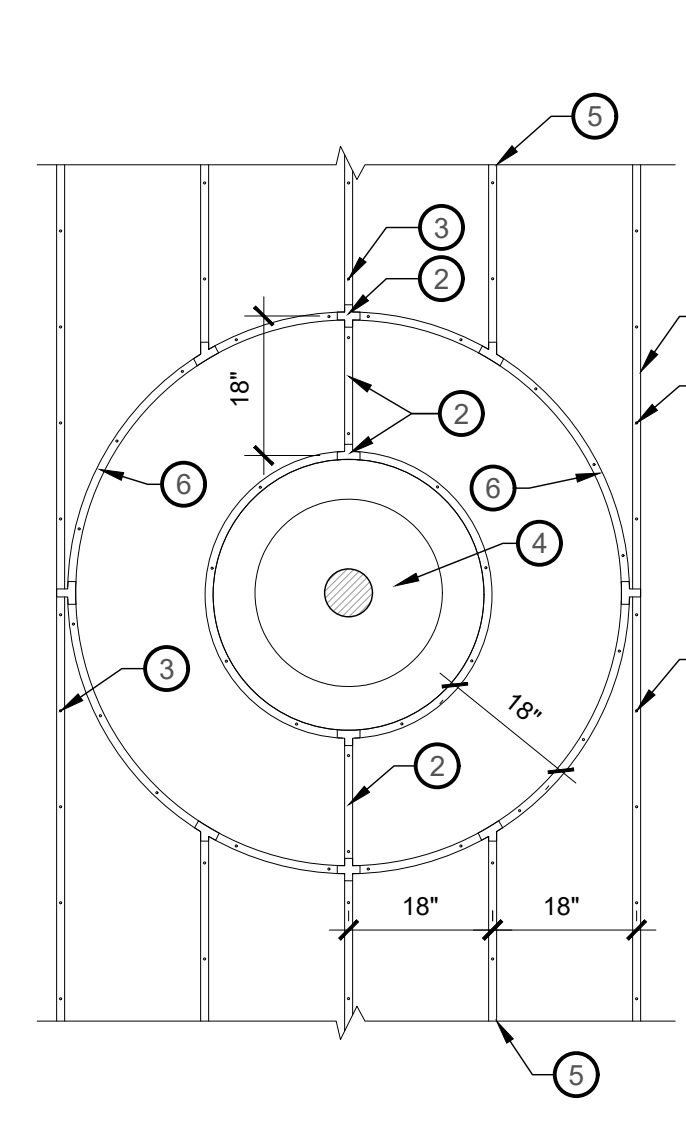
- 1 LINE FLUSHING VALVE PLUMBED TO POLYETHYLENE
- 2 AREA PERIMETER
- 3 TECHLINE LATERAL TUBING
- 4 TECHLINE START CONNECTION MALE ADAPTER
- 5 EXHAUST HEADER
- 6 TECHLINE TEE
- 7 BLANK TUBING CENTERED ON MOUND OR BERM SPACED EVERY 30' +/-
- 8 AIR/VACUUM RELIEF VALVE (PLUMBED TO TECHLINE AT EACH HIGH POINT)
- 9 SUPPLY HEADER
- 10 REMOTE CONTROL VALVE WITH DISC FILTER AND PRV

2 IRREGULAR LAYOUT  
NTS P-21.158-34



- 1 LINE FLUSHING VALVE PLUMBED TO POLYETHYLENE
- 2 AREA PERIMETER
- 3 TECHLINE START CONNECTION
- 4 EXHAUST HEADER
- 5 TECHLINE TEE
- 6 TECHLINE LATERAL TUBING
- 7 BLANK TUBING CENTERED ON MOUND OR BERM SPACED EVERY 30' +/-
- 8 SUPPLY HEADER
- 9 REMOTE CONTROL VALVE WITH DISC FILTER AND PRV

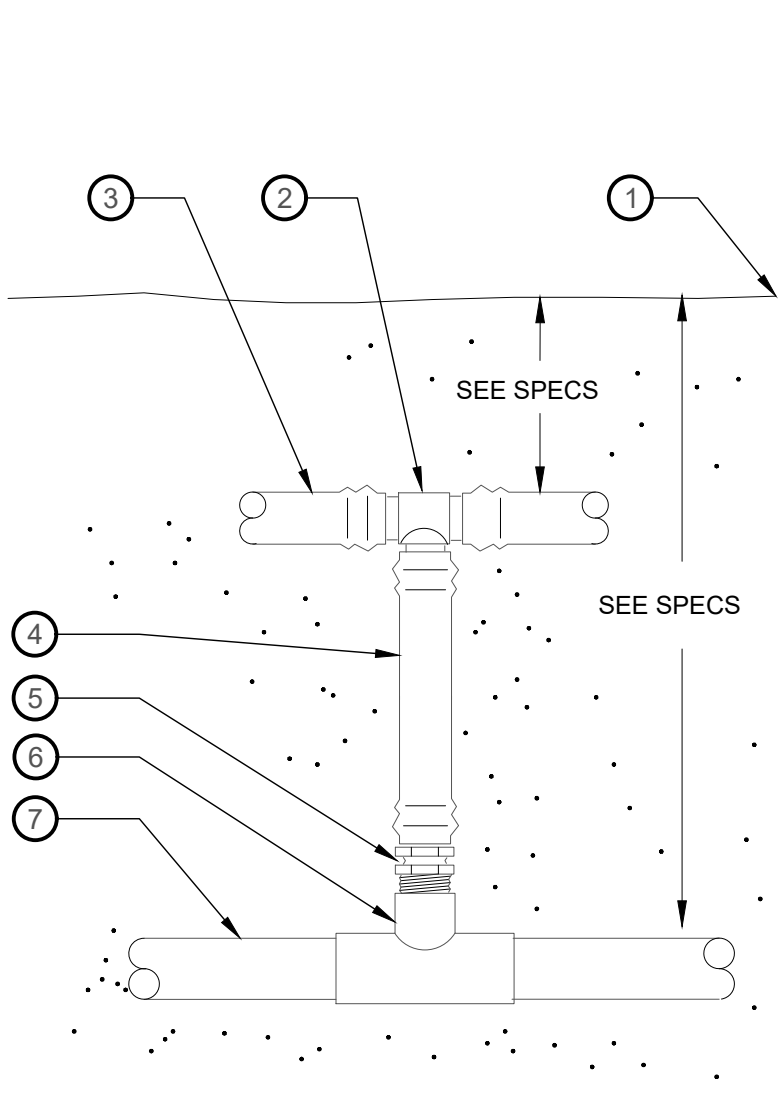
3 IRREGULAR AREAS: ODD CURVES  
NTS P-21.158-33



- 1 TECHLINE CV 17MM DRIPLINE
- 2 TECHLINE CV 17MM DRIPLINE CONNECTION FITTINGS (TEES, INSERT COUPLERS AND INSERT COUPLERS AS NECESSARY)
- 3 IN-LINE DRIP EMITTER: 12" O.C. SPACING
- 4 TREE TRUNK LOCATION/ROOTBALL
- 5 DRIPLINE CONTINUES ON PER OTHER DETAILS. INSTALL DRIPLINE AS INDICATED PER BED LAYOUT DETAILS
- 6 CONNECT DRIPLINE ROWS W/ ADDITIONAL DRIPLINE SEGMENT

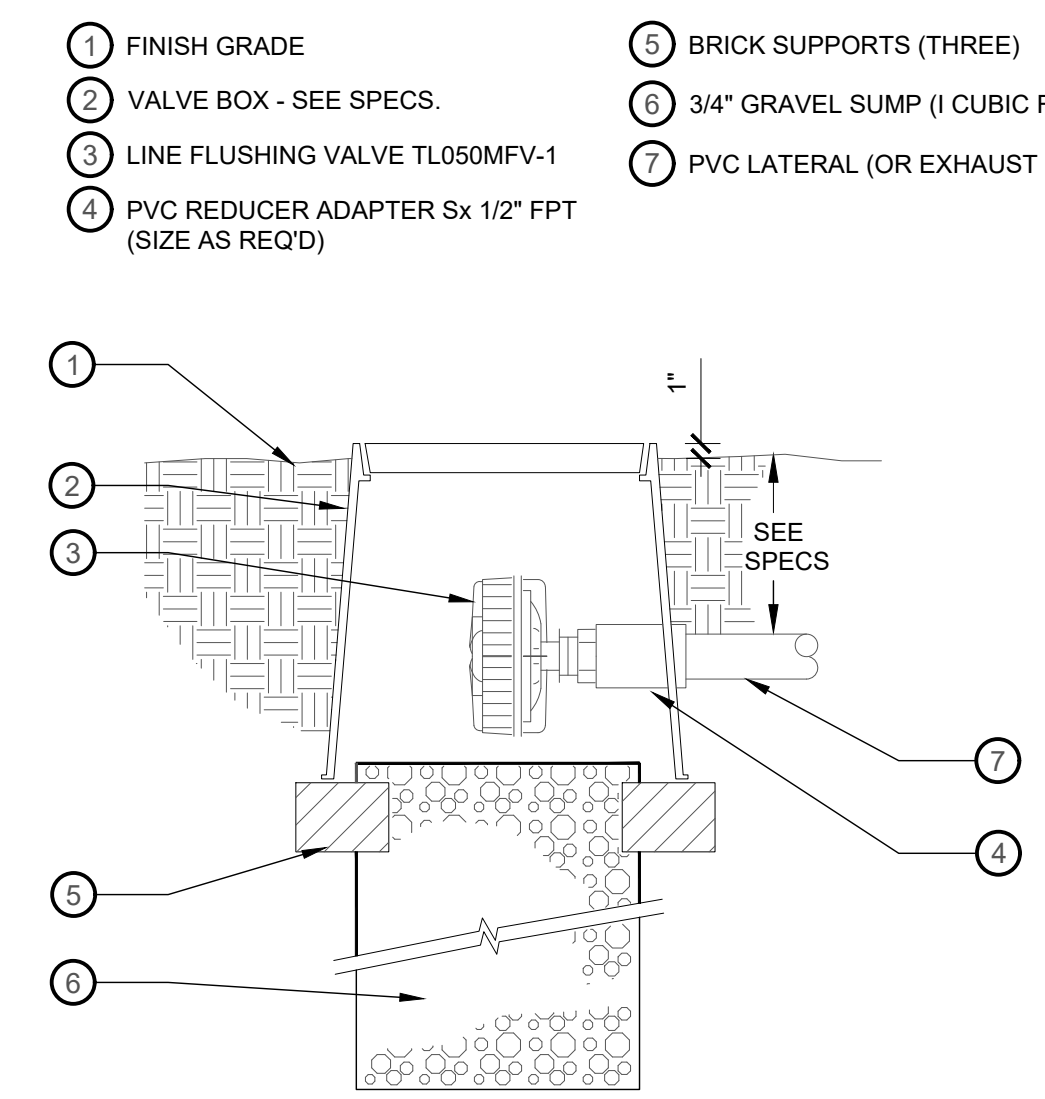
NOTES:  
ADD CONNECTIONS AND EMITTERS AS TREE TRUNKS ARE ENCOUNTERED THROUGHOUT THE SITE. DRIPLINE TO RUN UNINTERRUPTED AS SHOWN IN OTHER DETAILS WHERE NO TREES ARE PRESENT. DRIPLINE TO FOLLOW CONTOURS AND DIRECTION PER SITE CONDITIONS. STRAIGHT LINES ARE DIAGRAMMATIC ONLY.

4 DRIPLINE AT TREE TRUNK LOCATION  
NTS P-21.158-35



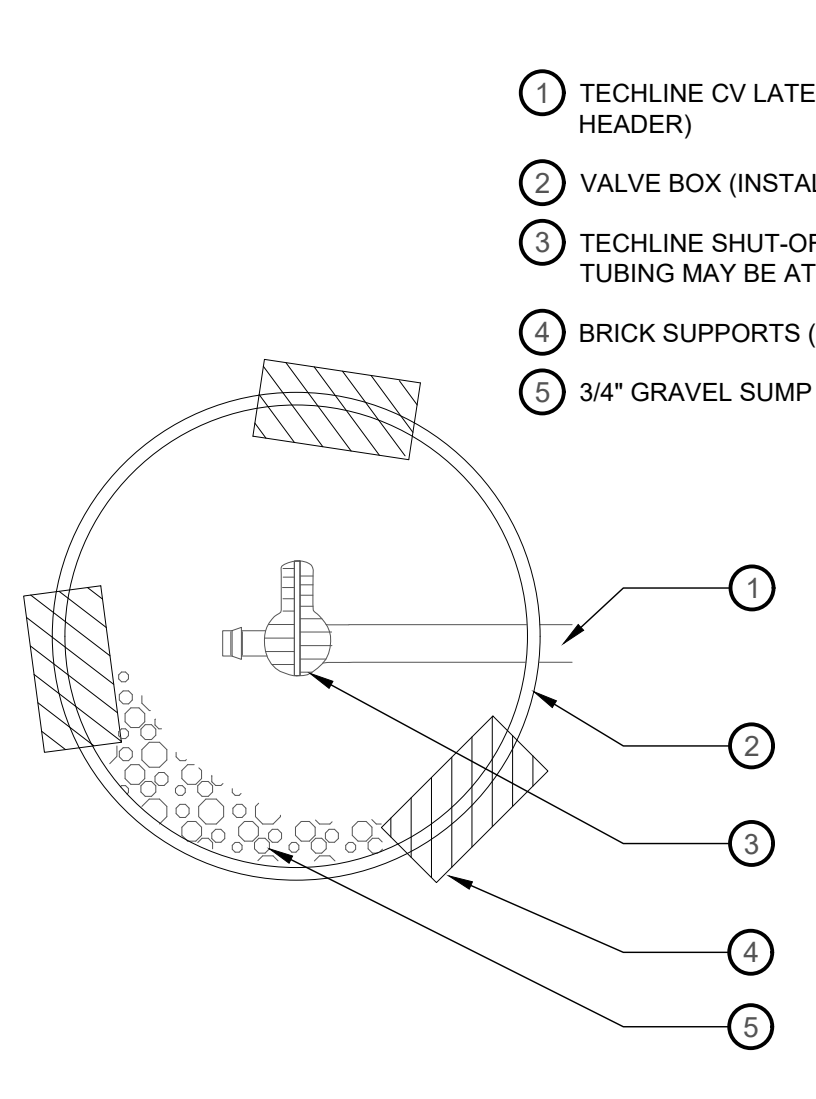
- 1 FINISH GRADE
- 2 TECHLINE TEE
- 3 TECHLINE TUBING
- 4 BLANK TECHLINE TUBING
- 5 TECHLINE 3/4" MALE ADAPTER
- 6 PVC TEE (SxSxT)
- 7 PVC PIPING

5 TECHLINE START CONNECTION  
NTS P-21.158-67



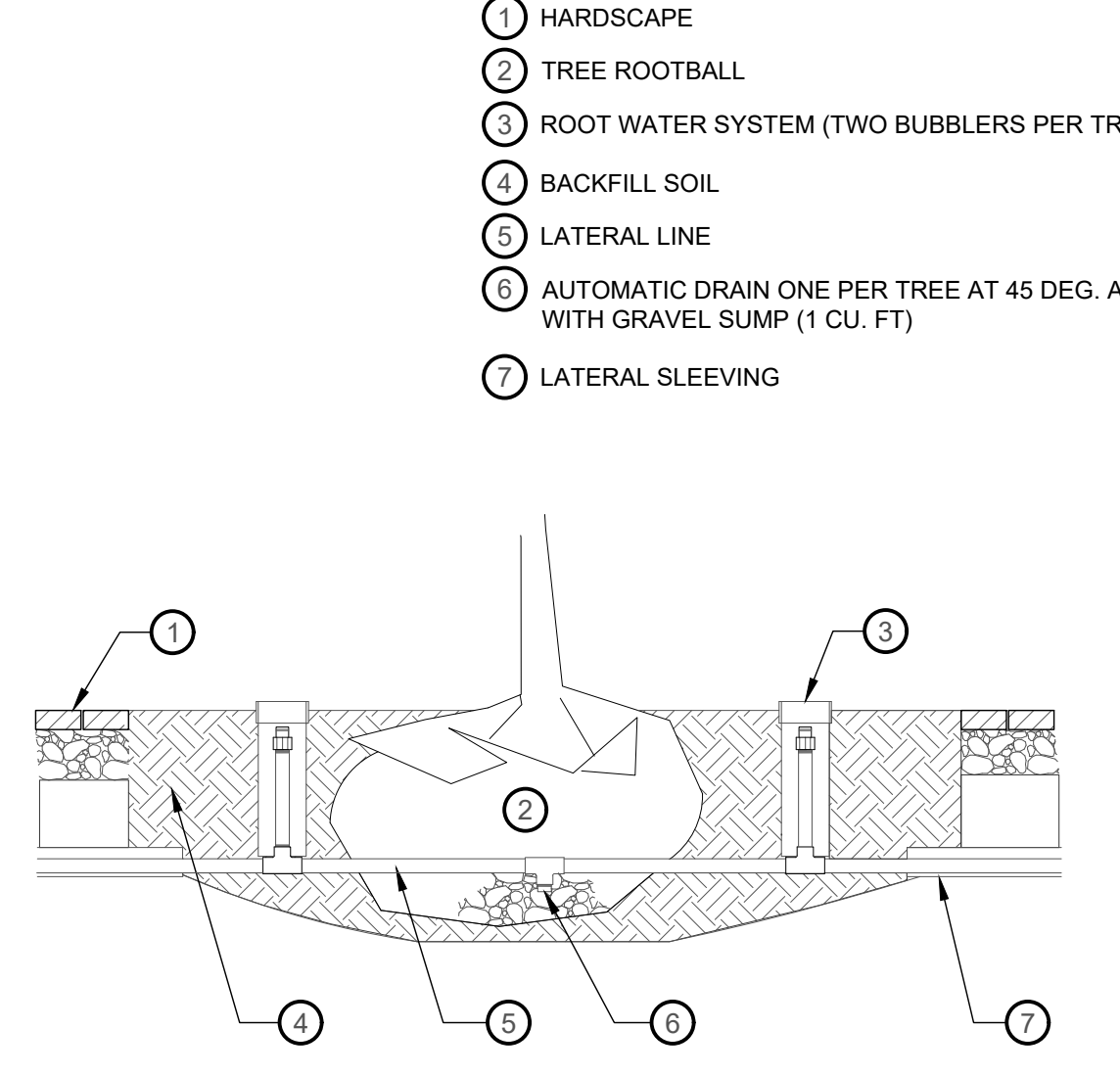
- 1 FINISH GRADE
- 2 VALVE BOX - SEE SPECS.
- 3 LINE FLUSHING VALVE TL050MFV-1
- 4 PVC REDUCER ADAPTER Sx 1/2" FPT (SIZE AS REQ'D)
- 5 BRICK SUPPORTS (THREE)
- 6 3/4" GRAVEL SUMP (1 CUBIC FOOT)
- 7 PVC LATERAL (OR EXHAUST HEADER)

6 TECHLINE LINE FLUSHING VALVE  
NTS P-21.158-68



- 1 TECHLINE CV LATERAL (OR EXHAUST HEADER)
- 2 VALVE BOX (INSTALL PER SPECS)
- 3 TECHLINE SHUT-OFF VALVE #TL50V (BLANK TUBING MAY BE ATTACHED TO OUTLET)
- 4 BRICK SUPPORTS (THREE)
- 5 3/4" GRAVEL SUMP (1 CUBIC FOOT)

7 TECHLINE CV MANUAL LINE FLUSH VALVE  
NTS P-21.158-64



- 1 HARDSCAPE
- 2 TREE ROOTBALL
- 3 ROOT WATER SYSTEM (TWO BUBBLERS PER TREE)
- 4 BACKFILL SOIL
- 5 LATERAL LINE
- 6 AUTOMATIC DRAIN ONE PER TREE AT 45 DEG. ANGLE WITH GRAVEL SUMP (1 CU. FT)
- 7 LATERAL SLEEVING

8 ROOT WATER SYSTEM - TREE GRATES  
NTS P-21.158-77

NO.	DESCRIPTION	DATE

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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**PAYSON CITY MAIN STREET**  
IRRIGATION  
DETAILS

STATE OF UTAH  
JAY BOLLWINKEL  
Landscape Architect

PROJECT NUMBER  
**21-158**

SHEET  
**25** OF **31**

SHEET NUMBER  
**LI503**

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PLANT SCHEDULE MAIN STREET

CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY		
GI	GLEDITSIA TRIACANTHOS 'IMPCOLE' TM	IMPERIAL HONEY LOCUST	2" CAL	35' X 30'		22		
PC3	PYRUS CALLERYANA 'CAPITAL'	CAPITAL CALLERY PEAR	2" CAL	30' X 12'		6		
DECIDUOUS & FLOWERING SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY	
PA	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5 GAL	4' X 4'	P1	15		
P	POTENTILLA FRUTICOSA 'GOLD DROP'	GOLD DROP BUSH CINQUEFOIL	2 GAL	2' X 3'	SD2	49		
R3	ROSA X 'RADRAZZ'	KNOCK OUT® SHRUB ROSE	5 GAL	3-4' X 3-4'	SD2	50		
EVERGREEN SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY	
PC	PINUS MUGO 'COMPACTA'	DWARF MUGO PINE	5 GAL	3' X 5'	SE2	29		
GROUNDCOVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY	
PC2	PHLOX SUBULATA	CREEPING PHLOX	3" POT	1-1.5' X 1-1.5'	P3	75		
ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY	
CL	CHASMANTHIUM LATIFOLIUM	NORTHERN SEA OATS	1 GAL	3' X 3'	TW2	47		
HS	HELICOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL	30" X 30"	TW1	82		
PA2	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL	3' X 3'	TW2	91		
PERENNIAL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	QTY	
AM	ACHILLEA X 'MOONSHINE'	MOONSHINE YARROW	1 GAL	1.5' X 1.5'	P1	7		
GW	GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES'	WHIRLING BUTTERFLIES GAURA	1 GAL	30" X 30"	P1	20		
SM	SALVIA NEMOROSA 'LYRICAL BLUES'	SAGE LYRICAL BLUES	1 GAL	18" X 24"	P2	18		
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	MATURE SIZE (HXW)	HYDROZONE	SPACING TRIANGULAR SPACING 12" o.c.	QTY
DC	DELOSPERMA COOPERI	PURPLE ICE PLANT	FLAT	4"X12"	GV1			1,282

PLANTING GENERAL NOTES

1. VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS. IF ANY PART OF THE PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITION, CONTACT LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
2. EXACT LOCATIONS OF PLANT MATERIAL TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATIONS IN FIELD.
3. VERIFY PLANT COUNTS: QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHICS SHALL PREVAIL. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES FOUND.
4. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND IF NECESSARY, BY HAND. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
5. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE AS DESIGNATED ON THE DRAWINGS.
6. ALIGN AND EQUALLY SPACE, IN ALL DIRECTIONS, ALL PLANT MATERIAL AS DESIGNATED PER THE DRAWINGS.
7. LANDSCAPE ARCHITECT WILL REVIEW PLANT MATERIALS BY PHOTOGRAPHS FURNISHED BY CONTRACTOR PRIOR TO DIGGING OR SHIPPING OF PLANT MATERIAL.
8. SIGHT TRIANGLE (APPLICABLE AT ALL INTERSECTIONS/CORNERS): NO TREES OR PLANTINGS OVER 3' TALL ALLOWED WITHIN THE 35' SIGHT TRIANGLE. SEE PLANS FOR LOCATIONS.
9. ADA ACCESS: ALL ADA ACCESSIBLE SIDEWALK RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE PAYSON CITY DESIGN STANDARDS AND PUBLIC IMPROVEMENT SPECIFICATIONS.
10. PLANT INFORMATION: PLANTS SHOWN ARE SHOWN AS REFERENCE FOR DESIGN INTENT PURPOSES. THERE ARE NO EXISTING TREES OR SHRUB MATERIAL REMAINING AS PART OF NEW CONSTRUCTION.

NO.	DATE	DESCRIPTION

0 1 2  
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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**



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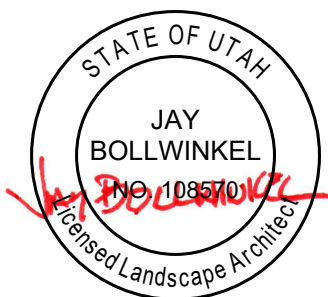


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**PAYSON CITY MAIN STREET**  
PLANTING SCHEDULE

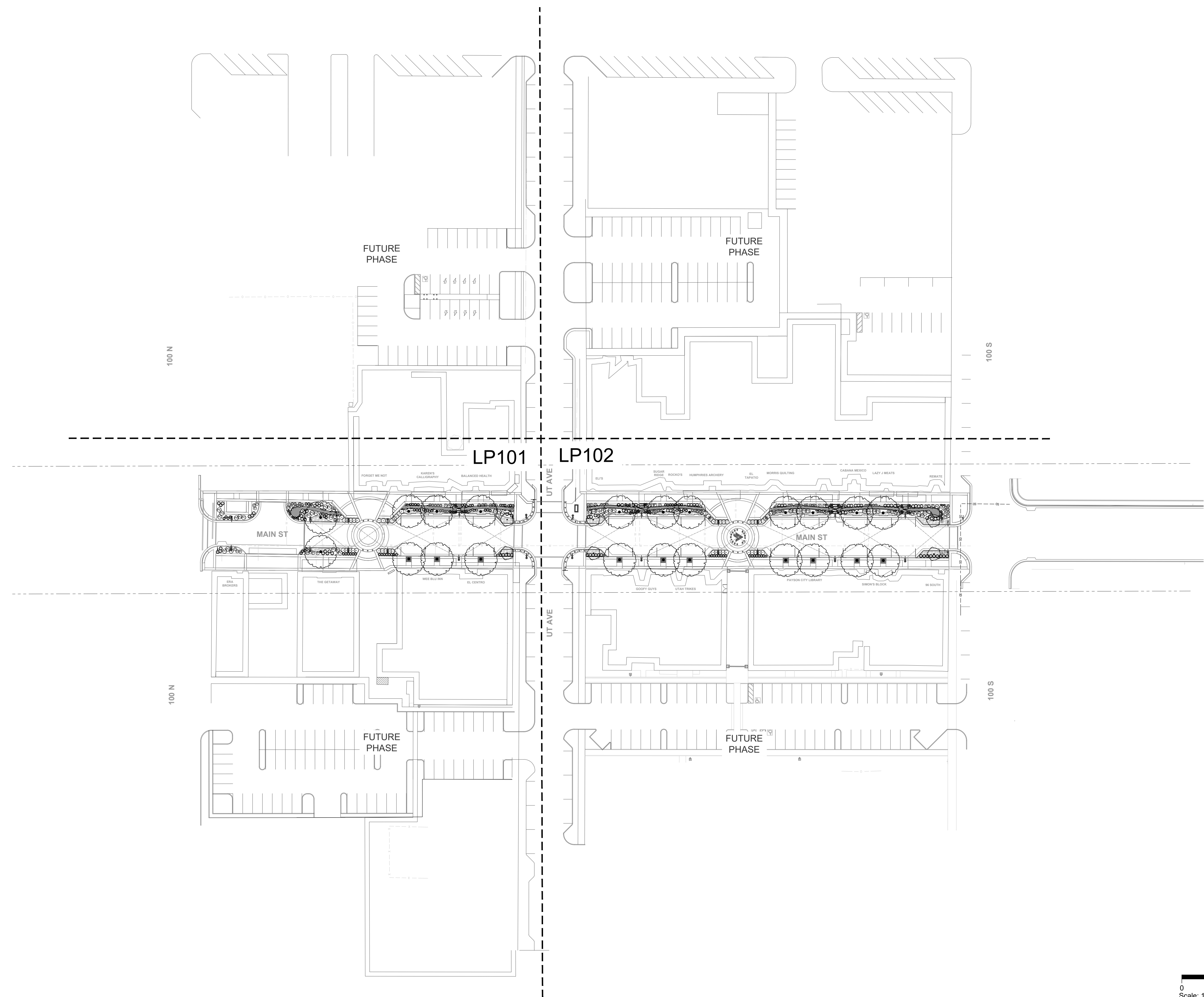


PROJECT NUMBER  
**21-158**

SHEET  
**26** OF **31**

SHEET NUMBER  
**LPG00**

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CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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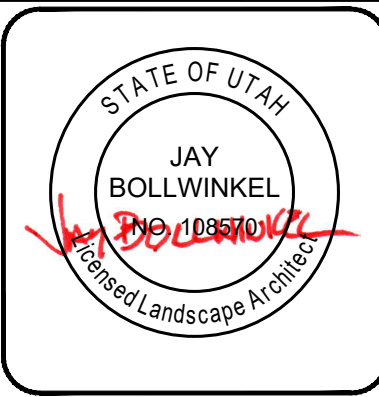
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**PAYSON CITY MAIN STREET**  
PLANTING OVERVIEW

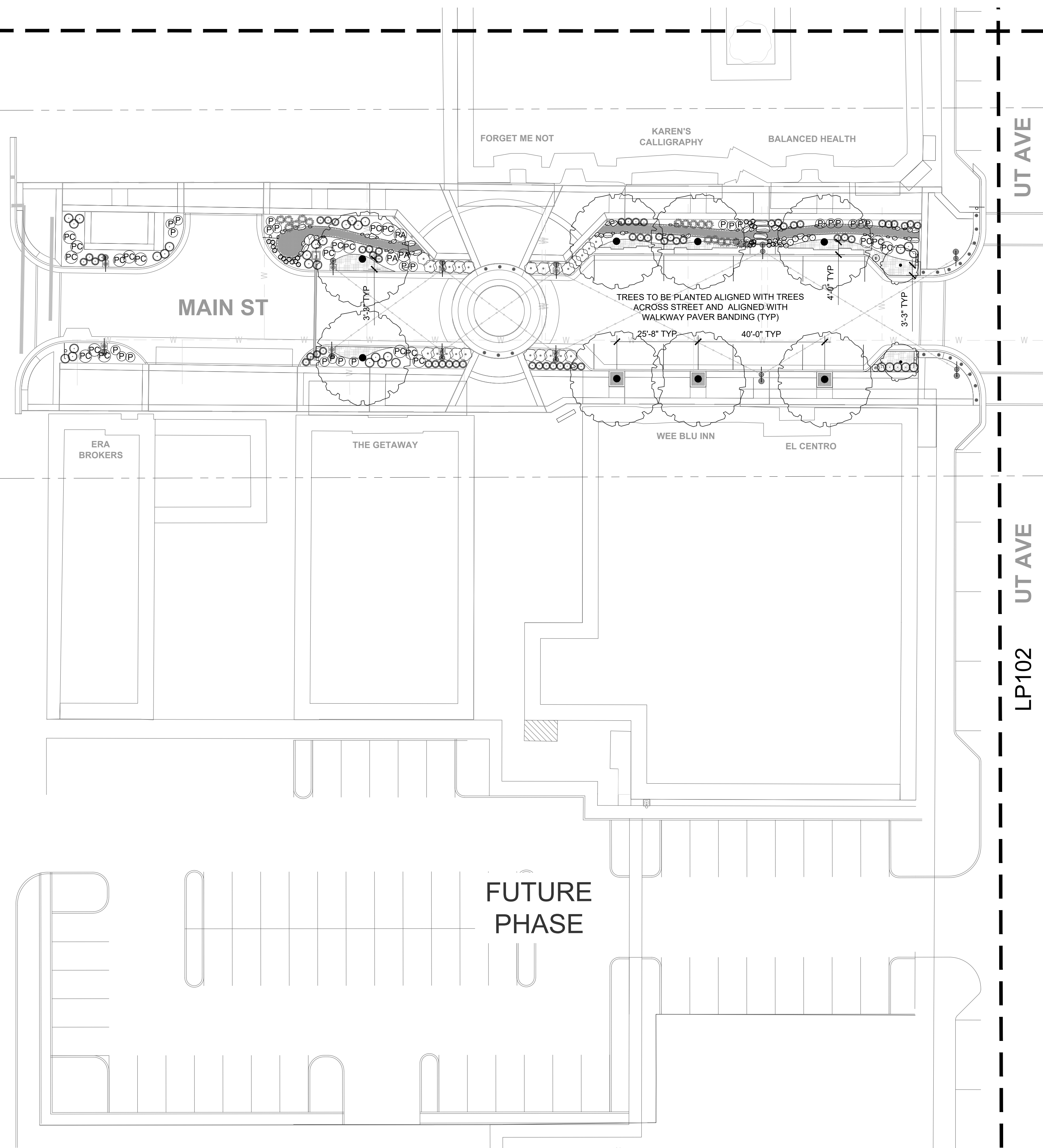


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**21-158**

SHEET  
**27** OF  
**31**

SHEET NUMBER  
**LP100**

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### PLANT SCHEDULE MAIN STREET

MAIN STREET	CODE	BOTANICAL NAME	COMMON NAME
	GI	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE' TM	IMPERIAL HONEY LOCUST
	PC3	PYRUS CALLERYANA 'CAPITAL'	CAPITAL GALLERY PEAR
DECIDUOUS & FLOWERING SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	PA	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE
	P	POTENTILLA FRUTICOSA 'GOLD DROP'	GOLD DROP BUSH CINQUEFOIL
	R3	ROSA X 'RADRAZZ'	KNOCK OUT® SHRUB ROSE
EVERGREEN SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	PC	PINUS MUGO 'COMPACTA'	DWARF MUGO PINE
GROUNDCOVERS	CODE	BOTANICAL NAME	COMMON NAME
	PC2	PHLOX SUBULATA	CREEPING PHLOX
ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME
	CL	CHASMANTHIUM LATIFOLIUM	NORTHERN SEA OATS
	HS	HELICOTRICHON SEMPERVIRENS	BLUE OAT GRASS
	PA2	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS
PERENNIAL	CODE	BOTANICAL NAME	COMMON NAME
	AM	ACHILLEA X 'MOONSHINE'	MOONSHINE YARROW
	GW	GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES'	WHIRLING BUTTERFLIES GAURA
	SM	SALVIA NEMOROSA 'LYRICAL BLUES'	SAGE LYRICAL BLUES
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME
	DC	DELOSPERMA COOPERI	PURPLE ICE PLANT

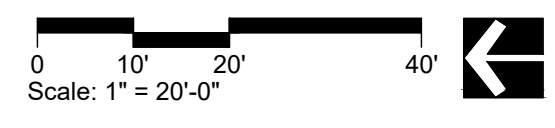
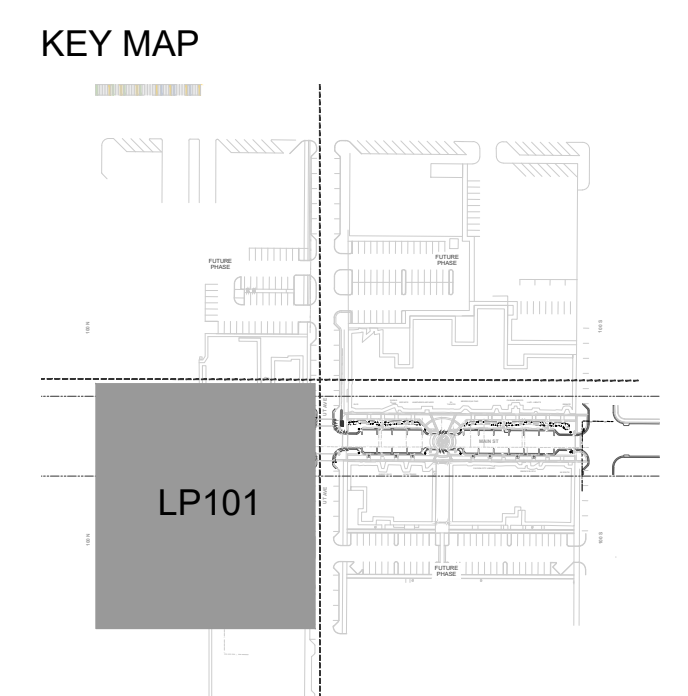
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UT AVE

LP102

FUTURE PHASE



NO.	DATE	DESCRIPTION

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
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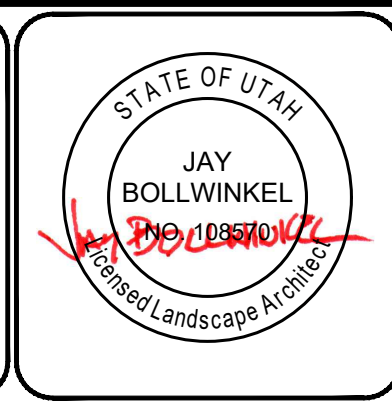
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**PAYSON CITY MAIN STREET**  
PLANTING PLAN

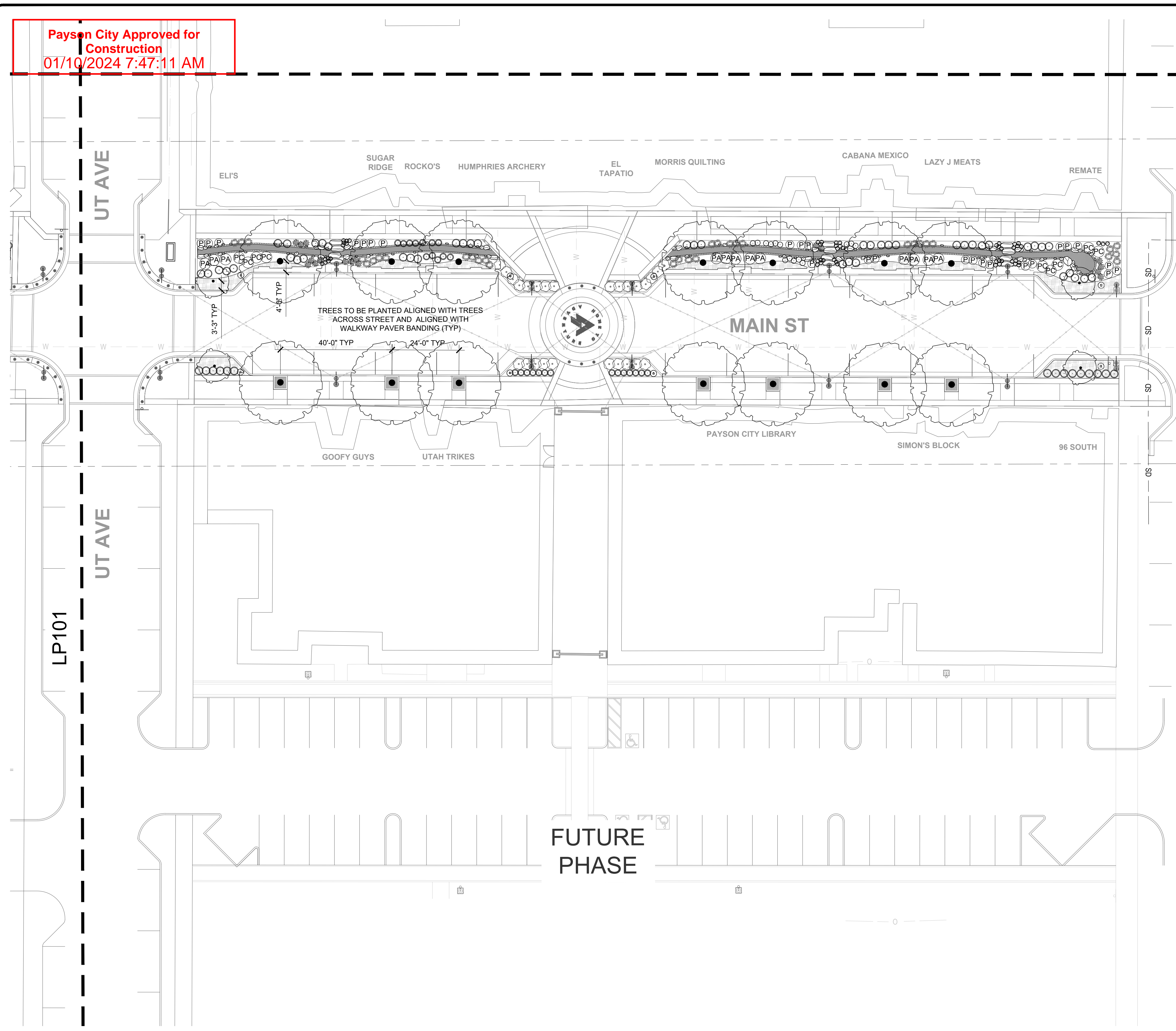


PROJECT NUMBER  
**21-158**

SHEET  
**28** OF  
**31**

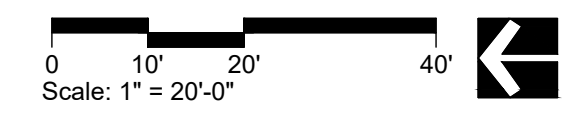
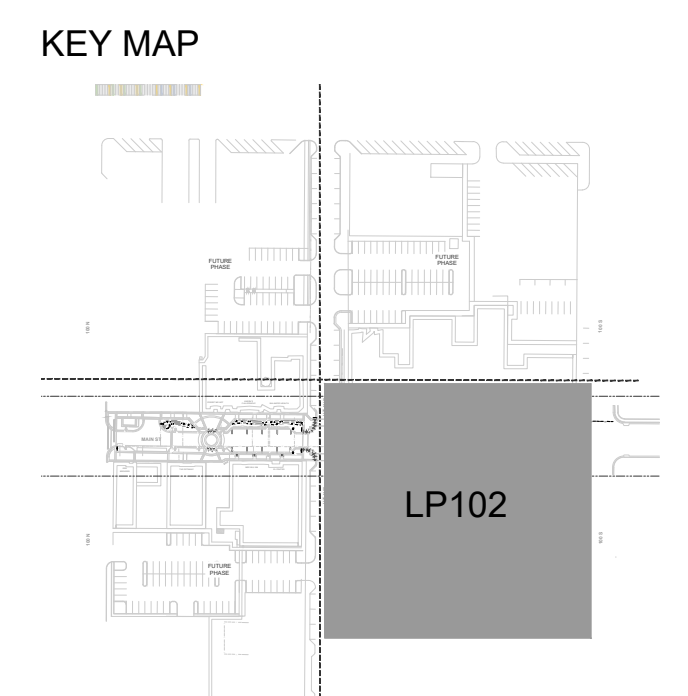
SHEET NUMBER  
**LP101**

**Payson City Approved for Construction**  
01/10/2024 7:47:11 AM



**PLANT SCHEDULE MAIN STREET**

MAIN STREET	CODE	BOTANICAL NAME	COMMON NAME
	GI	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE' TM	IMPERIAL HONEY LOCUST
	PC3	PYRUS CALLERYANA 'CAPITAL'	CAPITAL GALLERY PEAR
DECIDUOUS & FLOWERING SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	PA	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE
	P	POTENTILLA FRUTICOSA 'GOLD DROP'	GOLD DROP BUSH CINQUEFOIL
	R3	ROSA X 'RADRAZZ'	KNOCK OUT® SHRUB ROSE
EVERGREEN SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	PC	PINUS MUGO 'COMPACTA'	DWARF MUGO PINE
GROUNDCOVERS	CODE	BOTANICAL NAME	COMMON NAME
	PC2	PHLOX SUBULATA	CREEPING PHLOX
ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME
	CL	CHASMANTHIUM LATIFOLIUM	NORTHERN SEA OATS
	HS	HELIOTRICHON SEMPERVIRENS	BLUE OAT GRASS
	PA2	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS
PERENNIAL	CODE	BOTANICAL NAME	COMMON NAME
	AM	ACHILLEA X 'MOONSHINE'	MOONSHINE YARROW
	GW	GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES'	WHIRLING BUTTERFLIES GAURA
	SM	SALVIA NEMOROSA 'LYRICAL BLUES'	SAGE LYRICAL BLUES
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME
	DC	DELOSPERMA COOPERI	PURPLE ICE PLANT



NO.	DATE	DESCRIPTION

IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

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PRINCIPAL  
**JAY BOLLWINKEL**

PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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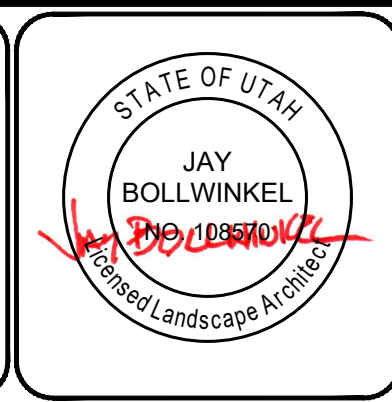
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**PAYSON CITY MAIN STREET**  
PLANTING PLAN

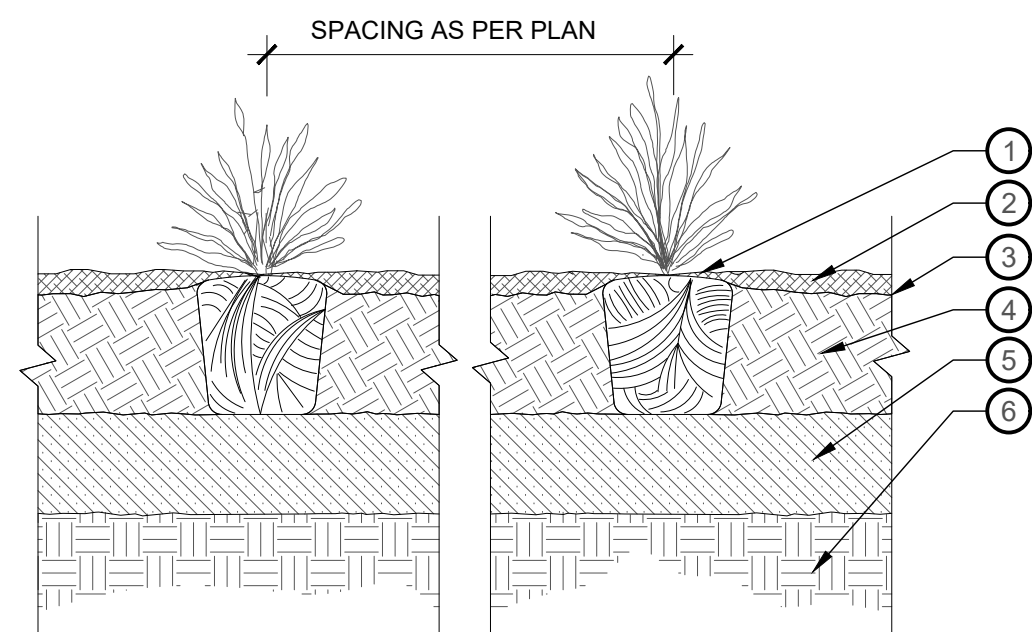


PROJECT NUMBER  
**21-158**

SHEET  
**29** OF  
**31**

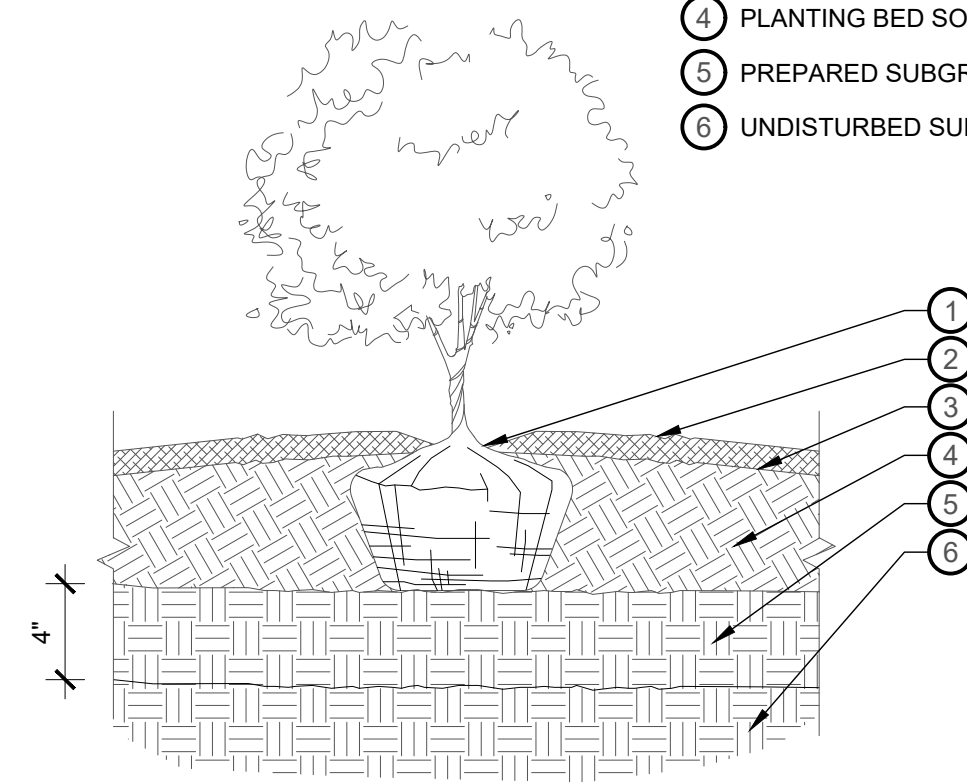
SHEET NUMBER  
**LP102**

- 1 PLANT SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO EXISTING GRADE IN THE NURSERY
- 2 MULCH (3" DEPTH)
- 3 FINISHED GRADE
- 4 PLANTING BED SOIL MIXTURE PER SPEC
- 5 AMENDED SUBGRADE
- 6 UNDISTURBED SUBGRADE



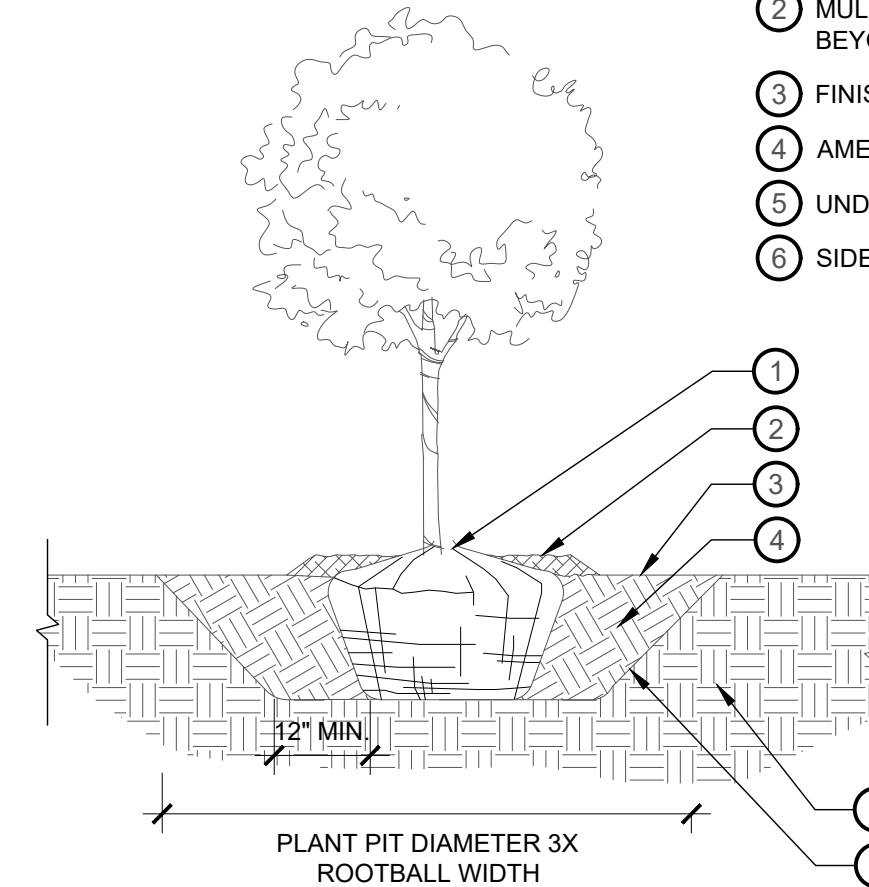
1 TYPICAL PERENNIAL PLANTING  
NTS P-21.158-13

- 1 SET BASE ROOT FLARE 1"-2" ABOVE FINISHED GRADE
- 2 MULCH ENTIRE PLANTING BED PER SPEC.
- 3 FINISHED GRADE
- 4 PLANTING BED SOIL MIXTURE
- 5 PREPARED SUBGRADE
- 6 UNDISTURBED SUBGRADE



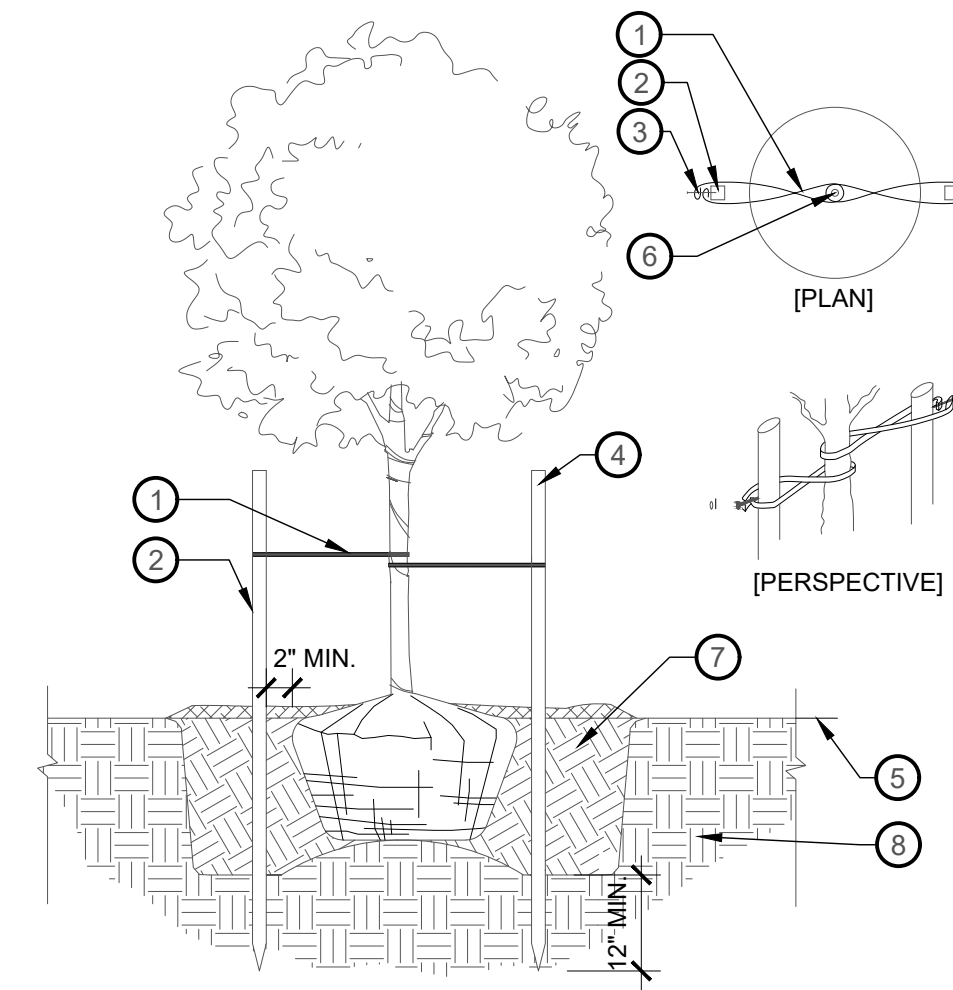
2 TYPICAL SHRUB PLANTING IN PLANT BED  
NTS P-21.158-17

- 1 SET BASE OF ROOT FLARE 1"-2" ABOVE FINISHED GRADE
- 2 MULCH SAUCER - EXTEND 6" BEYOND ROOTBALL
- 3 FINISHED GRADE
- 4 AMENDED BACKFILL
- 5 UNDISTURBED SUBGRADE
- 6 SIDE SLOPE - 45° ANGLE



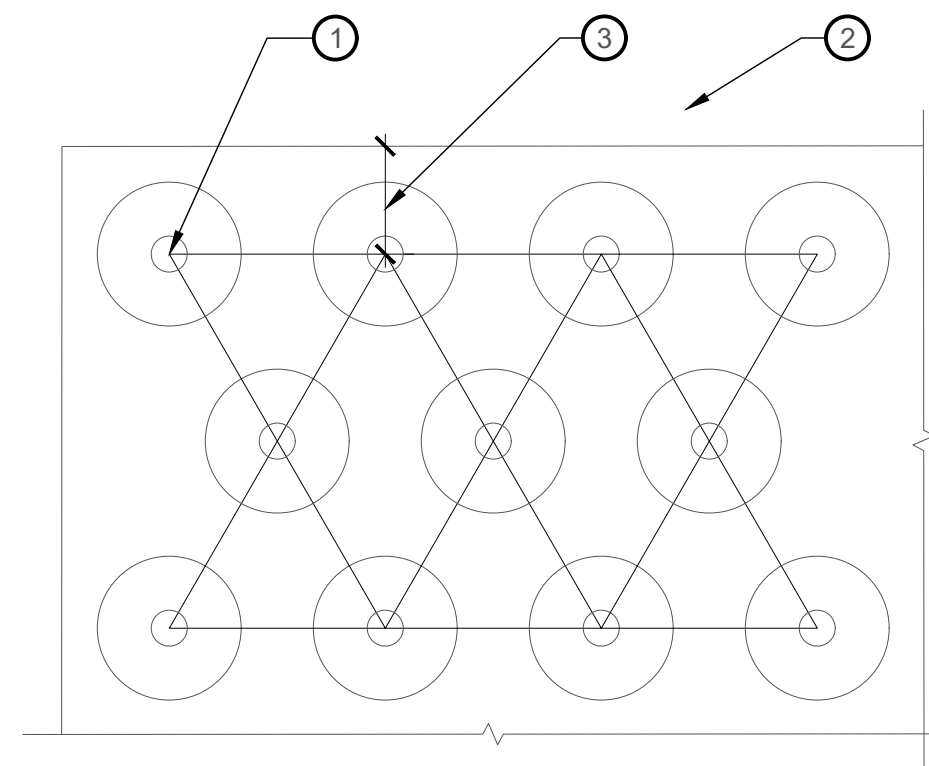
3 TYPICAL TREE PLANTING IN PLANT PIT  
NTS P-21.158-16

- 1 \* FLAT WOVEN POLYPROPYLENE STRAP, 900 LB. BREAK STRENGTH, LOOP AROUND TRUNK. AFFIX NO HIGHER THAN 1/3 THE HEIGHT OF TREE. ALLOW TREE TO MOVE - DO NOT MAKE LOOP TOO TAUT
- 2 2" HARDWOOD STAKE - DRIVE INTO SUBGRADE - DO NOT PIERCE ROOTBALL
- 3 FOLD ENDS OF STRAP UNDER AND ATTACH TO STAKE WITH 1" GALVANIZED ROOFING NAIL
- 4 POSITION STAKES ON EAST AND WEST SIDE OF TREE
- 5 FINISHED GRADE
- 6 TREE TRUNK
- 7 AMENDED BACKFILL
- 8 UNDISTURBED SUBGRADE



4 TREE STAKING - TREES SMALLER THAN 3.0" CAL  
NTS P-21.158-23

- 1 EQUAL TRIANGULAR SPACING AT DISTANCE AS SPECIFIED ON PLANS
- 2 EDGE OF PLANTING BED
- 3 1/2 THE DISTANCE OF TRIANGULAR SPACING FROM EDGE OF PLANTING BED



5 TYPICAL TRIANGULAR SPACING IN PLANT BED  
NTS P-21.158-25

NO.	DESCRIPTION	DATE

0 1 2  
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PROJECT MANAGER  
**JAY BOLLWINKEL**

CHECKED BY  
**JAY BOLLWINKEL**

DRAWN BY  
**DEREK JENSON**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**10/20/2023**

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**PAYSON CITY MAIN STREET**

PLANTING  
DETAILS

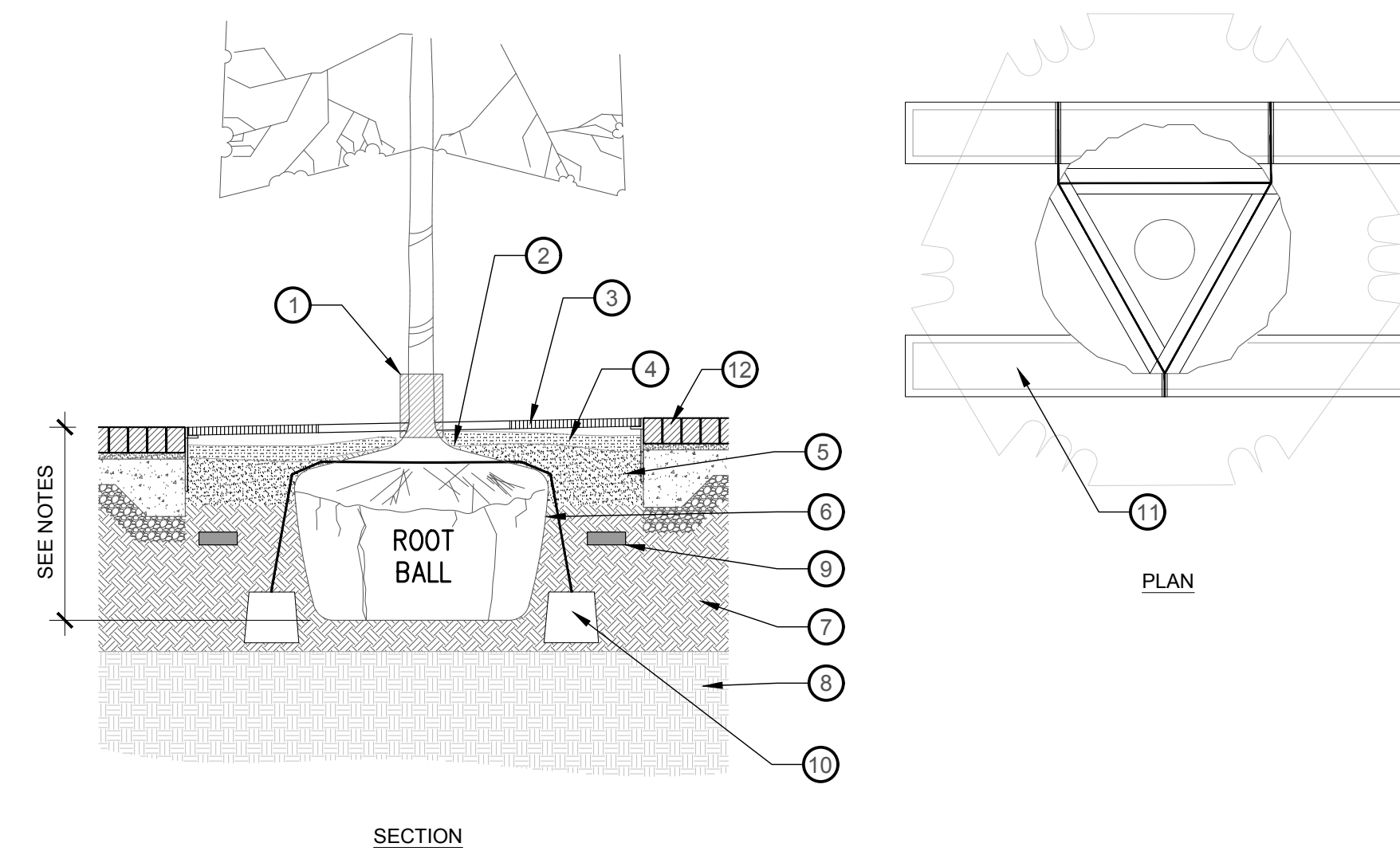
STATE OF UTAH  
JAY BOLLWINKEL  
Principal Landscape Architect

PROJECT NUMBER  
21-158

SHEET  
30 OF 31

SHEET NUMBER  
**LP501**

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- ① INSTALL EXPANDING TRIM GUARD AT TRUNK OF EA. TREE
- ② SET CROWN OF ROOTBALL FLUSH W/ FINISH GRADE.
- ③ TREE GRATE
- ④ 2" DEPTH SOIL PEP COMPOSTED MULCH
- ⑤ 6" SCREENED TOPSOIL
- ⑥ ROOTBALL - ROUGHEN SIDES
- ⑦ STRUCTURAL SOIL - SEE STRUCTURAL SOIL SPEC.
- ⑧ UNDISTURBED SUBGRADE
- ⑨ SLOW RELEASE TABLETS SPREAD EVENLY AROUND ROOTBALL AT MID-DEPTH, KEEP AWAY FROM ROOTBALL
- ⑩ TREE GUY (TYP.), TREE GUYING TO BE ONLY INSTALLED FOR TREES THAT REQUIRE STAKING.
- ⑪ CONCRETE DEADMAN ANCHOR - MINIMUM 4' LENGTH TO EXTEND 1/3 BEYOND ROOTBALL IN BOTH DIRECTIONS
- ⑫ ADJACENT PAVING - SEE LAYOUT PLAN

NOTE:  
 1. PLANT PIT DUG TO DEPTH OF ROOTBALL  
 2. DIRECTION OF MAIN BRANCHING SHALL BE PARALLEL TO PLANTING STRIP AND NOT INTO ROADWAY.  
 3. GUY TREES PERPENDICULAR TO PREVAILING WIND DIRECTION.  
 4. PLATIPUS DEADMAN SYSTEM W/ PLATI-MAT TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.  
 5. FULLY REMOVE BASKET OR BURLAP  
 6. PLATIPUS TREE ANCHORING SYSTEMS  
 2008 GARNER STATION BOULEVARD, RALEIGH, NC 27603, USA.  
 TEL: (866) 622-2283  
 WWW.PLATIPUS-ANCHORS.US

8 TREE PLANTING DETAIL IN TREE GRATE  
1/2" = 1'-0"

P-21.158-76

NO.	DATE	DESCRIPTION

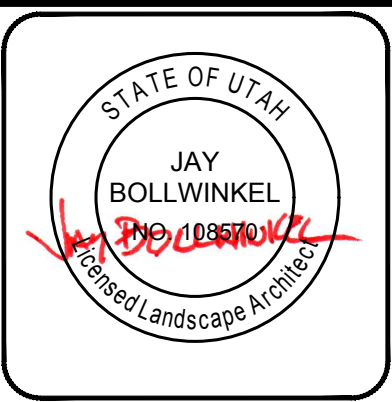
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 PROJECT MANAGER  
JAY BOLLWINKEL  
 CHECKED BY  
JAY BOLLWINKEL  
 DRAWN BY  
DEREK JENSON  
 DRAWING SCALE  
AS SHOWN  
 ISSUE DATE  
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PAYSON CITY MAIN STREET  
 PLANTING  
 DETAILS



PROJECT NUMBER  
21-158  
 SHEET  
31 OF 31  
 SHEET NUMBER  
LP502