SALT LAKE COUNTY

ENGINEERING

STANDARDS & DRAWINGS

2025 Edition

Planning Commission Approval & Recommendation: 05/14/2025

Mountainous Planning Commission Approval & Recommendation: 05/15/2025

City Council Approval & Adoption: 06/10/2025

GREATER SALT LAKE
Municipal Services District

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GENERAL PROVISIONS

Salt Lake County automatically adopts the latest revision of AASHTO "A Policy on Geometric Design of Highways and Streets" (Green Book), the Utah Manual on Uniform Traffic Control Devices (MUTCD), and APWA Manual of Standard Plans and Manual of Standard Specifications, with exceptions noted in this document.

EXCEPTIONS TO APWA STANDARDS

APWA Plan No./ Specification Section	Exception
215, 216, 221.1, 221.2, 225, 229.1 & 229.2	APWA Plan No's. 221.1 and 221.2 are acceptable for use. APWA Plan No's. 215, 216, 225, 229.1, and 229.2 are not acceptable for use unless otherwise authorized by the MSD Engineer.
221.1, 221.2	When adverse slopes, right-of-way limitations, or existing obstructions occur, MSD Engineering may authorize deviations from the APWA apron/slope geometry.
251	Bituminous Concrete (asphalt) T-Patch thickness is 6" minimum for both residential and non-residential streets.
255	Bituminous Concrete (asphalt) T-Patch thickness is 6" minimum for both residential and non-residential streets. 2" mill and overlay are not required if: • There is a known upcoming city Capital Improvement Project that will reconstruct or overlay the road within two (2) years.: • Pavement surface has not been constructed or milled and overlaid within the previous seven (7) years. • If length of T-patch is less than 300 feet and pavement surface has not been constructed or milled and overlaid within the previous three (3) years.
292	Steel tube is to be 12' x 2" x 2". Standard Plan 140 in this book applies in locations where sign is installed in concrete.
315.1, 315.2 & 316	Where APWA inlet plans refer to frame and grate per APWA Plan No. 308, contractor shall use Standard Plan 201 in this book, unless otherwise authorized by the MSD Engineer.
332	The use of pre-cast "knock-out" boxes in storm drain facilities may be authorized by the MSD Engineer, upon written request and provided the following conditions are met: a) All other requirements of APWA Plan 332 - Precast Box, are still met. b) Boxes shall have engineered design for AASHTO's HL-93 live load and shall be designed for lateral soil loads appropriate for the burial depth and conditions. c) The thickness of concrete collars where the pipe enters box at the knockout face shall extend 6" to 9" from the exterior face of the box and shall cover the entire side of the structure with no less than 12" concrete all the way around the pipe. Collars shall have a minimum of four (4) #4 dowels tying the collar to the precast box and include a #4 rebar ring or square tie around the pipe. d) Inspection and certification required on all precast boxes.
381	(Note 2A) - Use granular backfill borrow for common fill.
382	(Note 2B) - Use granular backfill borrow for common fill. (Note 3A) - Minimum trench width is to be Pipe O.D. + 24" or (Pipe O.D. x 1.25)+12", whichever is greater.
33 05 02	Public storm drain pipes and culverts shall be 15" dia.or greater RCP unless otherwise authorized by the MSD Engineer. Installation must follow manufacturer's direction. Provide a minimum amount of 1' cover over top of concrete pipes and 2' cover over the top of pipes of other materials unless approved otherwise by manufacturer and MSD Engineer. Corrugated metal pipe and vitrified clay pipe are not allowed.

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SYMBOL LEGEND

DESCRIPTION	EXIST.	PROP.
SANITARY SEWER		
CLEANOUT		
SS MANHOLE		
SS VALVE		
SS METER		
SEWER STUB		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
SD CLEAN OUT BOX		
FLARE END		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
CABLE TV		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
YARD HYDRANT		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
GUY WIRE		
POWER STUB		
POWER/UTILITY POLE		
STREET LIGHT		
STREET LIGHT WITH ARM		
TRAFFIC SIGNAL POLE		

DESCRIPTION	EXIST.	PROP.
IRRIGATION		
IRRIGATION SHUT-OFF VALVE	IRR	IRR
IRRIGATION CONTROL VALVE BOX		
IRRIGATION GATE		
NATURAL GAS		
GAS METER		
GAS VALVE	G	G
GAS MANHOLE	G	G
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN	DF	DF
FLAGPOLE		
GATE		
MAIL BOX	M	M
PEDESTRIAN SIGNAL		
SCHOOL SIGN		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE		
TEST HOLE	TH	TH
WELL	W	W
WELL (MONITORING)	M	M
CONCRETE FLATWORK		
ASPHALTIC CONCRETE		
SURVEY		
CAP		
CTRL PT		

LINE LEGEND

DESCRIPTION	EXISTING	PROPOSED
STORM DRAIN	SD	SD
SANITARY SEWER	SS	SS
WATER	W	W
IRRIGATION	IRR	IRR
NATURAL GAS	G	G
OVERHEAD POWER	OHE	OHE
UNDERGROUND POWER	E	E
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	T	T
FIBER OPTIC	FO	FO
CABLE TELEVISION	CTV	CTV
FENCE		
MAJOR CONTOUR	4520	4520
MINOR CONTOUR		
TOP OF BANK	TOB	TOB
TOE OF SLOPE	TOE	TOE
PROPERTY LINE		
PROPERTY LINE (OPTIONAL)	P/L	P/L
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
ROAD CENTERLINE		
ROAD ASPHALT		
ROAD GRAVEL	EG	EG
CURB AND GUTTER		
ATMS	ATMS	ATMS
SAWCUT	SAW	SAW
GRADING FILL LIMIT	FILL	FILL
GRADING CUT LIMIT	CUT	CUT
DITCH/SWALE FLOWLINE		

SALT LAKE COUNTY

LEGEND AND SYMBOLS

STANDARD PLAN
100
SHEET 1 OF 1

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ABBREVIATIONS

ABBREV.	TERM
ALUM	ALUMINUM
APPROX.	APPROXIMATELY
ASSY	ASSEMBLY
∠	ANGLE
@	AT (MEASUREMENTS)
BC	BEGINNING OF CURVE
BFS	BEGIN FULL SUPER
BLDG	BUILDING
B.M.	BENCH MARK
BNC	BEGIN NORMAL CROWN
BNS	BEGIN NORMAL SHOULDER
BOA	BEGINNING OF ALIGNMENT
BP	BEGINNING OF PROFILE
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BVC	BEGIN VERTICAL CURVE
BVCE	BVC ELEVATION
BVCS	BVC STATION
B.W.	BOTH WAYS
C	CHANNEL (STRUCTURAL)
CJ	CONTROL JOINT
℄ or CL	CENTER LINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CTR	CENTER
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
EC	END OF CURVE
EFS	END FULL SUPER
ELB	ELBOW
ELEV OR EL.	ELEVATION
ENC	END NORMAL CROWN
ENS	END NORMAL SHOULDER
EOA	END OF ALIGNMENT
EP	END OF ALIGNMENT
E.W.	EACH WAY
EXIST	EXISTING
EVC	END VERTICAL CURVE
EVCE	EVC ELEVATION
EVCS	EVC STATION

ABBREVIATIONS

ABBREV.	TERM
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FLG	FLANGE
FT OR '	FEET
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BREAK
GV	GATE VALVE
HORIZ	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN. OR "	INCH
INV.	INVERT
K	CURVE COEFFICIENT
L	LEFT
LB	LINE BEGINNING
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
NO. OR #	NUMBER
O.C.	ON CENTER
OVERALL HP	OVERALL HIGH POINT
OVERALL LP	OVERALL LOW POINT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PI	TANGENT-TANGENT INTERSECT
PL OR ℄	PLATE OR PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	END OF CURVE
PVC	POLYVINYL-CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS OR RIGHT
R&R	REMOVE & REPLACE
RC	REVERSE CROWN
RCP	REINFORCED CONCRETE PIPE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W OR ROW	RIGHT-OF-WAY
S	SLOPE

ABBREVIATIONS

ABBREV.	TERM
SBO	SHOULDER BREAKOVER
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TFC	TOP FACE OF CONCRETE
TOB	TOP OF BANK
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PIPE
TOW	TOP OF WALL
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VCC	VERTICAL COMPOUND CURVE
VCCE	VCC ELEVATION
VCCS	VCC STATION
VRC	VERTICAL REVERSE CURVE
VRCE	VRC ELEVATION
VRCS	VRC STATION
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED

SALT LAKE COUNTY

ABBREVIATIONS

STANDARD PLAN

101

SHEET 1 OF 1

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NOTES:

Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by the MSD Public Works Engineer. Reference to specific sections of APWA does not limit requirements to that section.

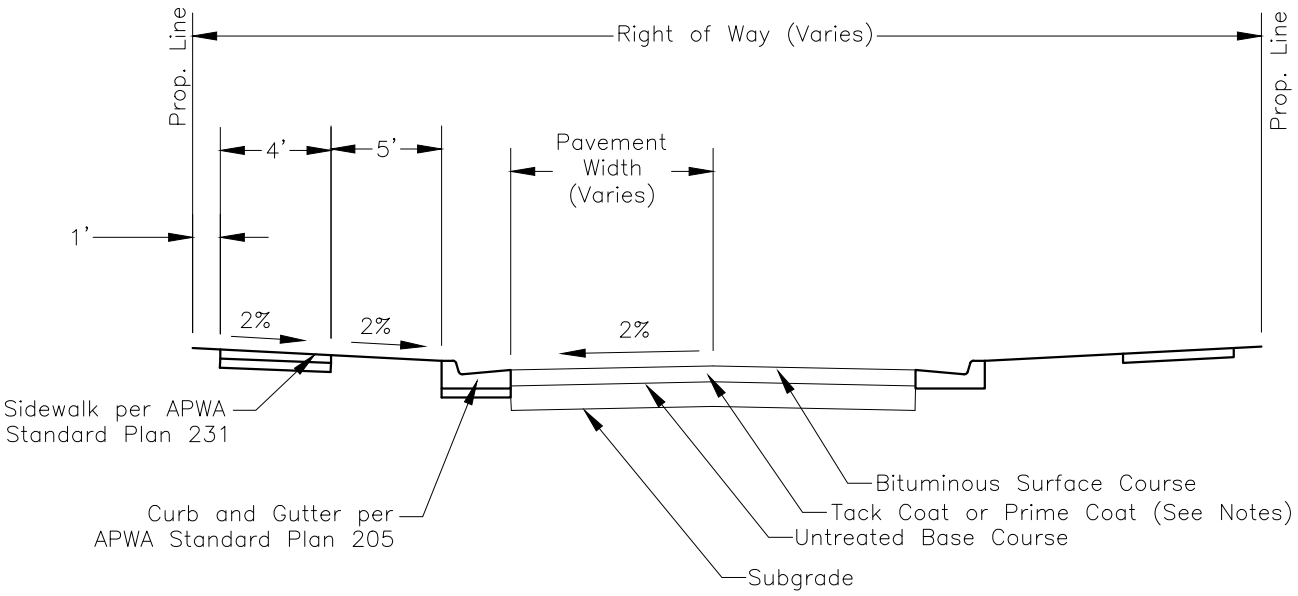
SUBGRADE: See APWA Section 32 05 10 (Backfilling Roadways) for preparation and proof rolling of roadway, curb and gutter, and sidewalk.

UNTREATED BASE COURSE: Shall be Grade 1 as per APWA Section 32 11 23 (Aggregate Base Course). Place fill in no greater than 6 inch lifts after compaction as per APWA Section 32 05 10 (Backfilling Roadways). Compact to no less than 95% relative density based on the Modified Proctor Density as per APWA Section 31 23 26 (Compaction).

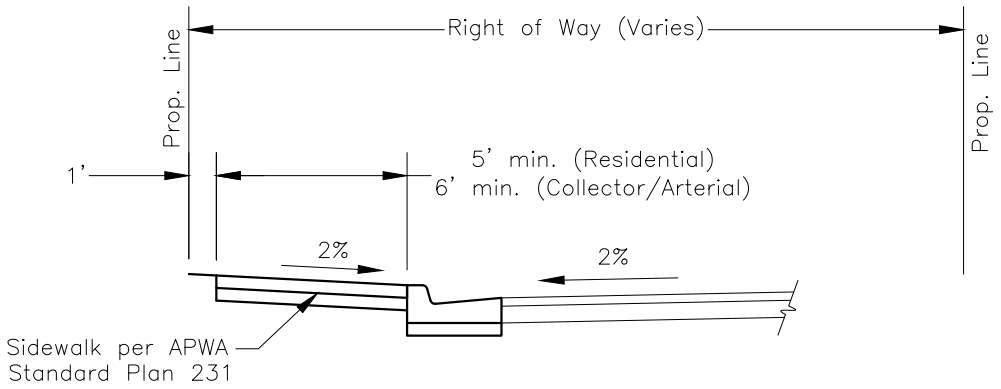
PRIME COAT: Prime coat, as directed by the engineer, on untreated base course before placing asphalt. See APWA Section 32 12 13.19 (Prime Coat).

TACK COAT: Grade SS-1, CSS-1, or CSS-1h emulsified asphalt shall be applied to existing asphalt concrete or portland cement concrete surfaces prior to placing asphalt concrete pavement as per APWA Section 32 12 13.13 (Tack Coat).

ASPHALT CONCRETE: Unless otherwise approved in writing by the MSD Public Works Engineer or their designated representative, all roads shall be considered Road Class III and the bituminous concrete mix designator used shall correspond to the table on Sheet 2. Minimum allowed roadway section – 3 inches asphalt concrete on 8 inches untreated base course. Thicker sections required for collectors, minor arterials, and roadways with heavy truck traffic. Construct road mix bituminous surface course only when air temperature in the shade and road bed temperature are greater than 50 degrees.



STANDARD CONFIGURATION



CONTIGUOUS SIDEWALK

BITUMINOUS CONCRETE MIX DESIGNATOR BY ROADWAY CLASSIFICATION	
ROADWAY CLASSIFICATIONS*	BITUMINOUS CONCRETE MIX DESIGN**
Local/Private – Collector (60')	PG58–28, DM–1/2, 50 Blow
Collector (80') – Arterial (106')	PG64–34, DM–1/2, 50 Blow
Canyon Roads Cat. 2–6	PG58–28, DM–1/2, 50 Blow
Canyon Roads Cat. 1	PG64–34, DM–1/2, 50 Blow

* See Section 14.12.100 of the municipal code for details.
** See APWA 32 12 05.

SALT LAKE COUNTY

ROADWAY SECTION

STANDARD PLAN
110
SHEET 2 OF 2

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NOTES:

These Standard Drawings are intended to supplement all ADA and APWA guidelines and requirements. These drawings are for clarification, but do not alter, reduce or override any Federal ADA requirements.

Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by the MSD Engineer. Reference to specific sections of APWA does not limit requirements to that section.

SUBGRADE: See APWA Section 32 05 10 (Backfilling Roadways) for preparation and proof rolling of roadway, curb and gutter, and sidewalk.

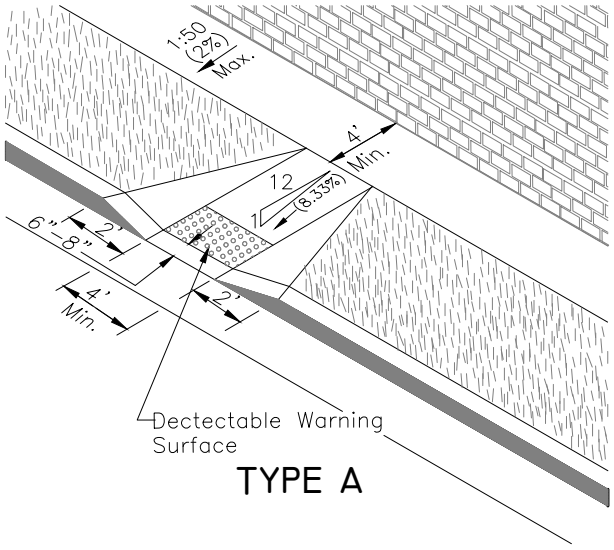
UNTREATED BASE COURSE: Shall be Grade 1 as per APWA Section 32 11 23 (Crushed Aggregate Base). Place fill in no greater than 6 inch lifts as per APWA Section 32 05 10 (Backfilling Roadways). Compact to no less than 95% relative density based on the Modified Proctor Density as required in APWA Section 31 23 26 (Compaction).

CONCRETE: Concrete shall be Class 4000 as per APWA 03 30 04 (Concrete).

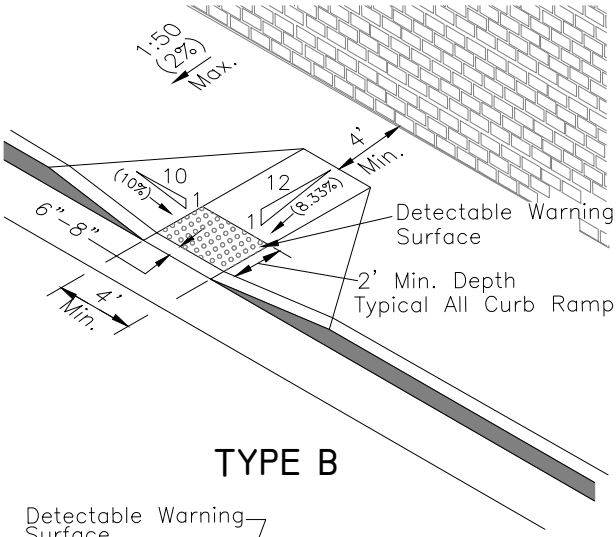
EXPANSION JOINT: Expansion joint shall be 1/2" thick preformed expansion joint filler F1—bituminous mastic as per APWA Section 32 13 73 (Concrete Paving Joint Sealants) at each interface as shown.

DETECTABLE WARNINGS: Locate raised truncated domes so that the edge nearest the curb line is within 6 to 8 inches from the curb line excluding Curb Ramp Types H, and I where X < 5 feet (see sheet 6 of 6). Provide 2—foot of truncated dome pattern at the lower end of all curb ramps extending the full width of the curb ramp. See typical dimensions on Type B Curb Ramp. Detectable warnings shall contrast visually with adjoining surfaces, either light—on—dark, or dark—on—light. Glued or surface applied domes are not acceptable for new construction. Stamped domes are not allowed under any conditions. Truncated dome materials shall be selected from the MSD approved materials list.

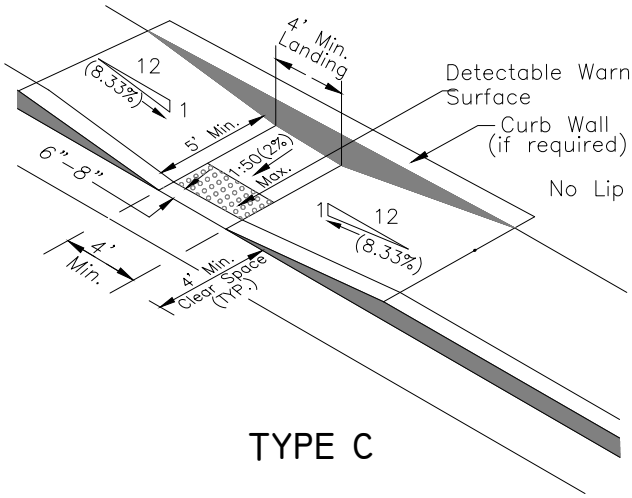
RAMPS: Length of any ramp not to exceed 15 feet.
Ramp shown are examples only, site specific ramps may require modification and additional features to comply with current Federal ADA Guidelines.



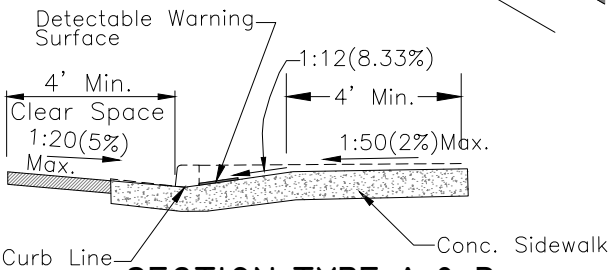
TYPE A



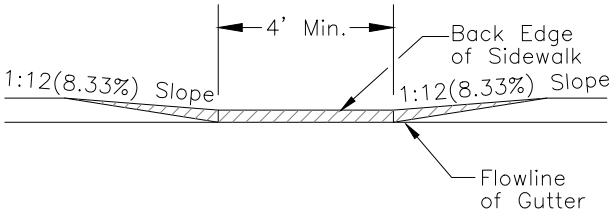
TYPE B



TYPE C



SECTION TYPE A & B



ELEVATION TYPE C

NOTES:

1. TYPE A
   The entire ramp slope is achieved outside the sidewalk section. A concrete warped curb section shall begin 2' from edge of detectable warning surface.
2. TYPE B
   Provide at least 4' of sidewalk width beyond the ramp.
3. TYPE C
   Use this type of ramp when there is insufficient width to accomodate TYPE B curb ramp.
4. No pull box, utility vault, utility pole, manhole or similar appurtenance shall be located within the sidewalk ramp area.
5. It is desirable to locate all drain inlets out of sidewalk ramp area. Use of drain inlet within ramp area requires special design of inlets.
6. See Detail 'A' (sheet 4 of 6) for raised truncated dome detail on detectable warning surface.
7. Maximum cross slope of adjoining gutters and road surface immediately adjacent to the curb ramp, or accessible route, shall not exceed 1:20(5%).
8. Running and cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade.

SALT LAKE COUNTY

MIDBLOCK CURB RAMPS

STANDARD PLAN
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SHEET 2 OF 6

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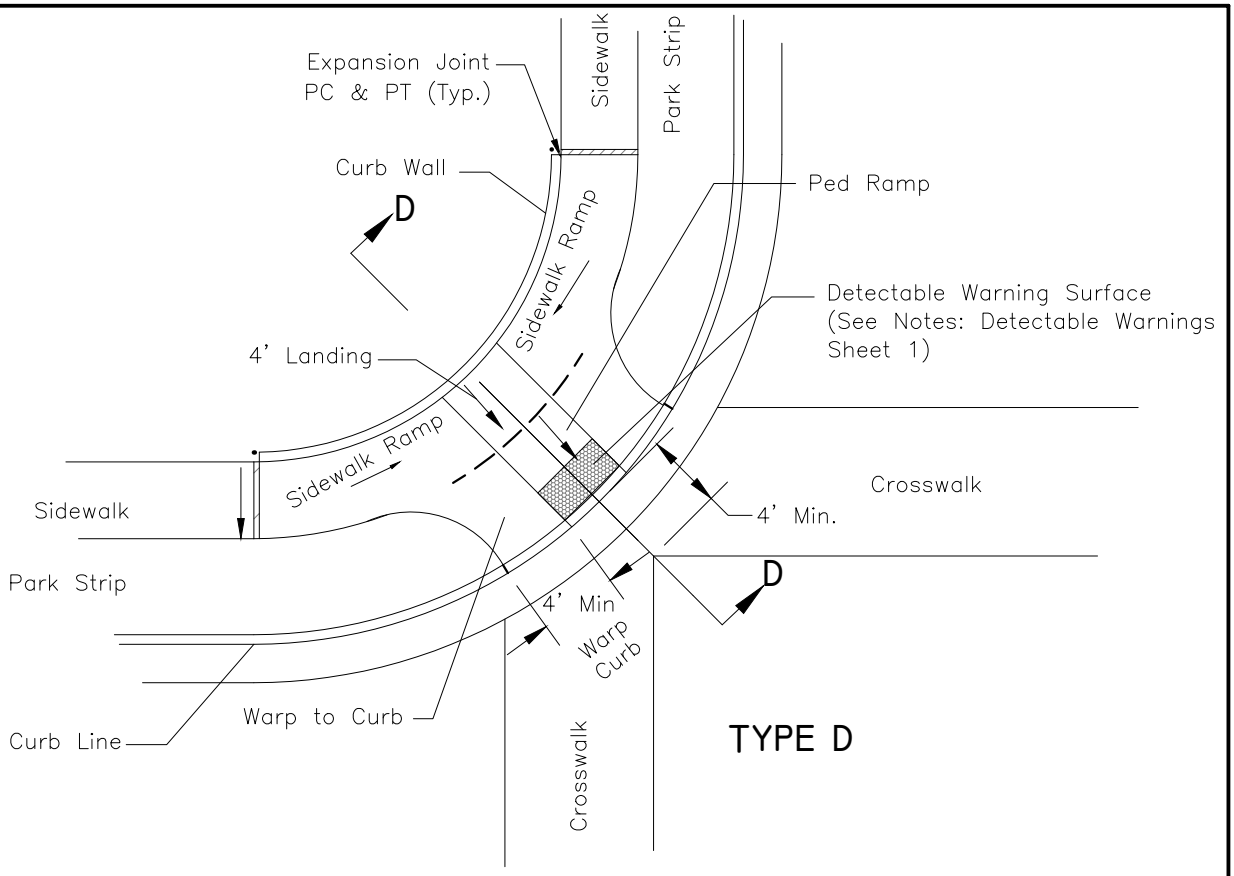
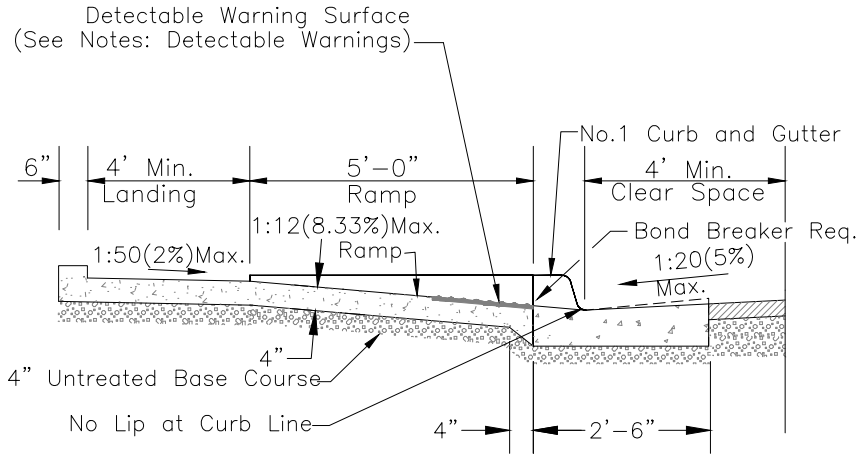


TYPE D



SECTION D-D

NOTES:

Landing: Cross Slope: 1:50(2%) Max. Towards The Street.

Ped Ramp Slope: 1:12(8.3%) Max.

Sidewalk Ramp: 1" Rise Reauired Length May Vary
Slope May Vary, But 1:12(8.3%) Max.

Sidewalk: Cross Slope 1:50(2%) Max. Towards
The Street.

Curb Wall: 6" Wide As Needed.

SALT LAKE COUNTY

CURB RAMPS (RETROFIT ONLY)

STANDARD PLAN
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SHEET 3 OF 6

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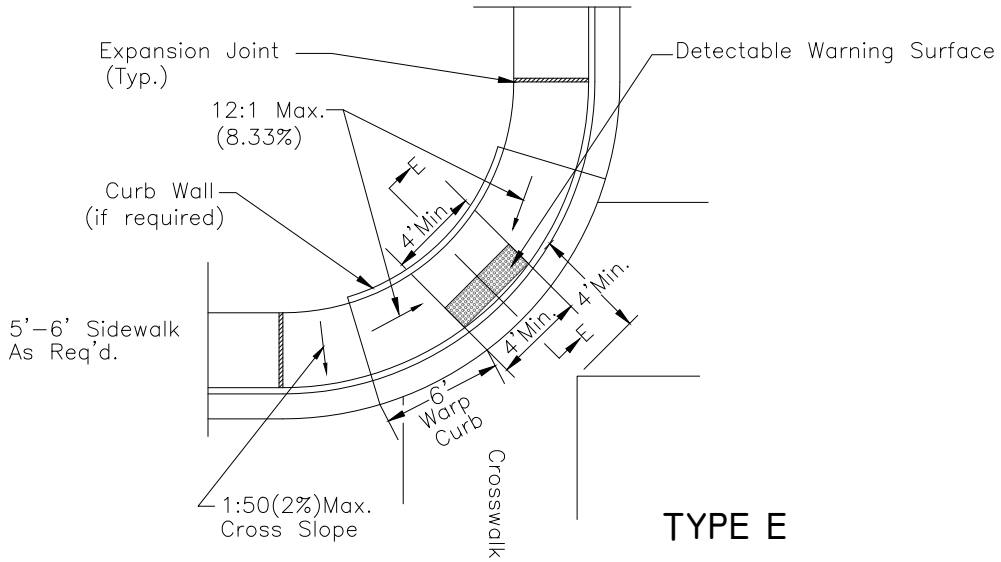
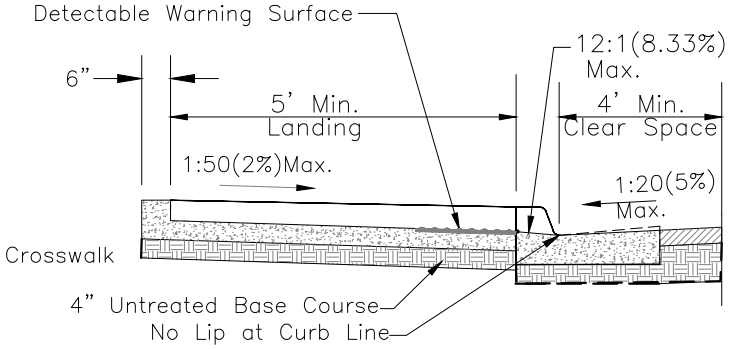
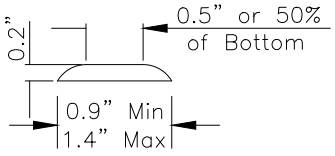
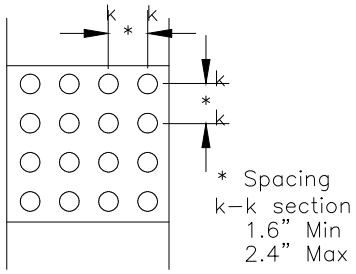


TYPE E



SECTION E-E





Raised Truncated Domes
of Detectable Warning Surface

DETAIL 'A'

SALT LAKE COUNTY

CURB RAMPS (RETROFIT ONLY)

STANDARD PLAN
135
SHEET 4 OF 6

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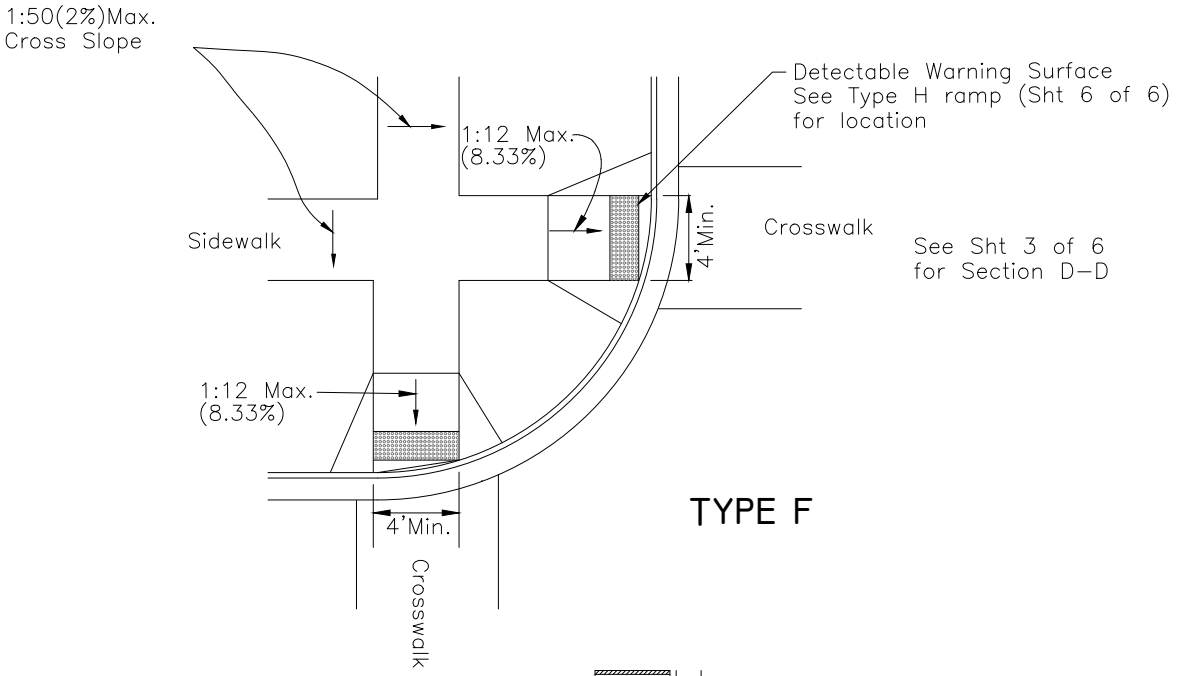
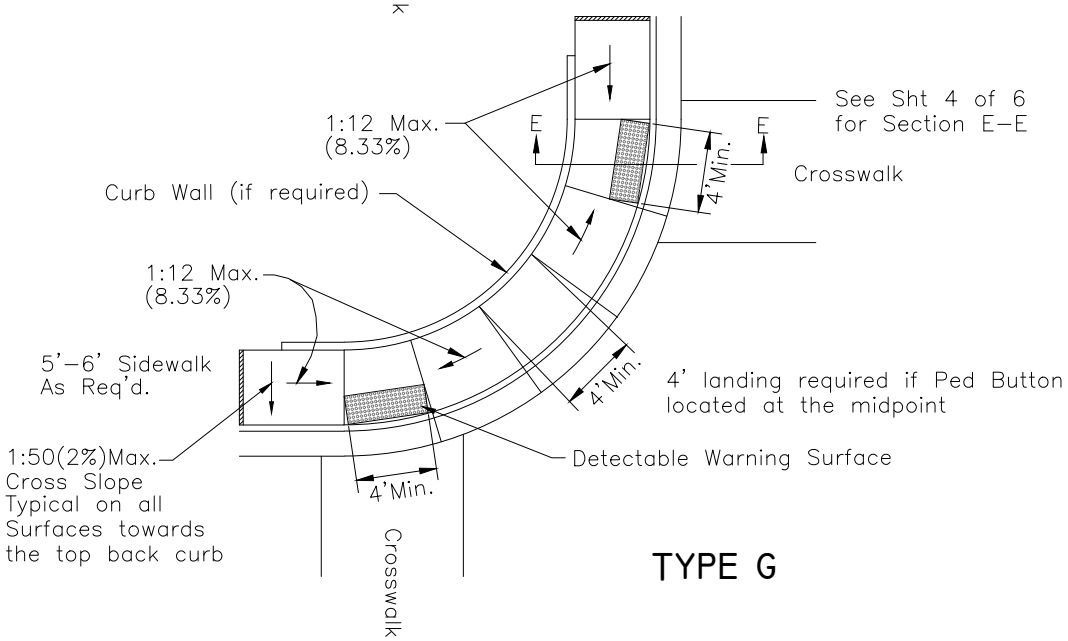


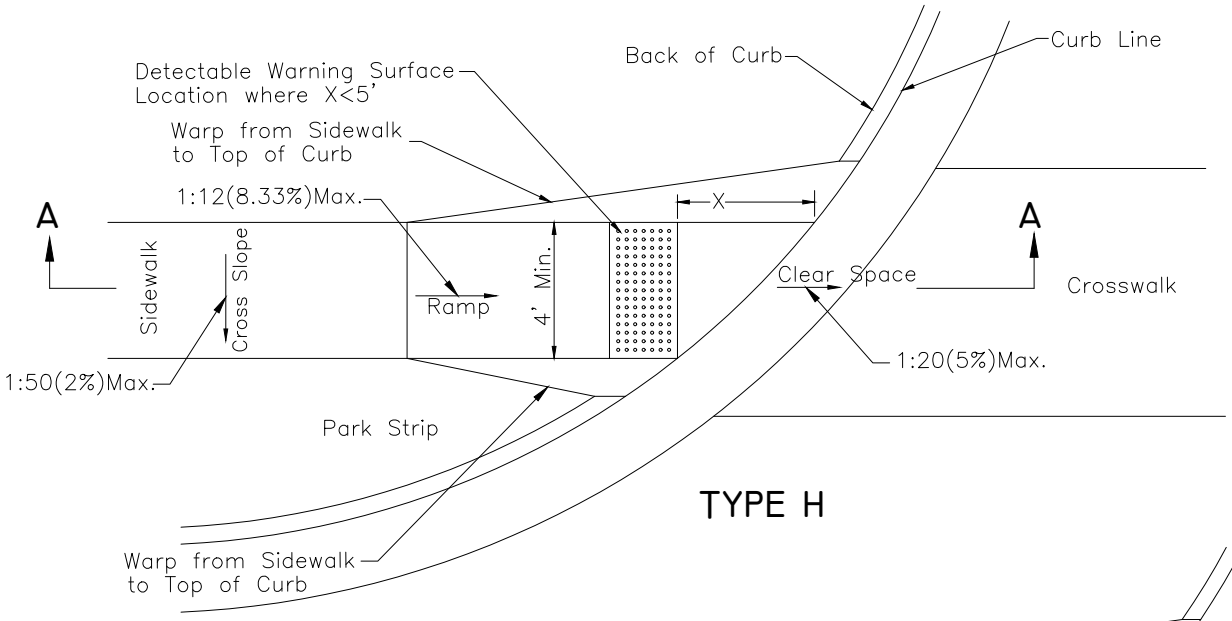
TYPE F



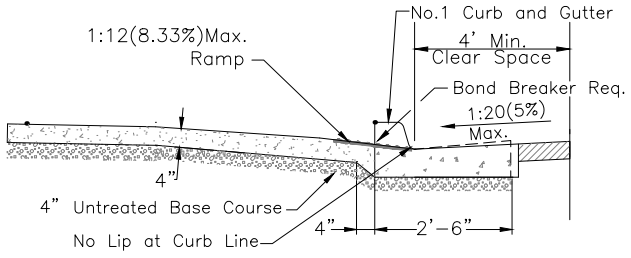
TYPE G

NOTES:

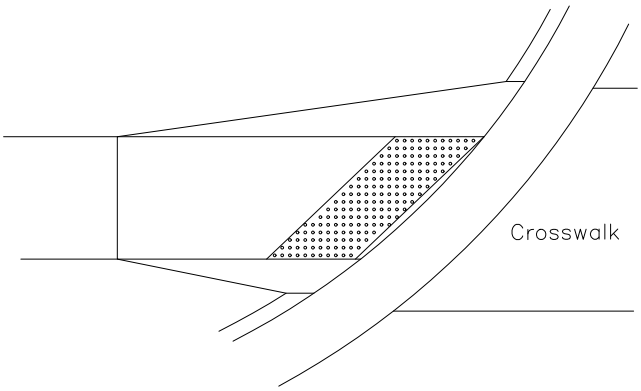
1. Provide detectable warning surface for full width of ramp, min. 4' width.
2. Detectable warning surface is required wherever curb is absent.
3. When detectable warning surface is cut, grind remaining portion of any cut domes. Seal all cut panel edges to prevent water damage.
4. Locate curb cut within crosswalk.



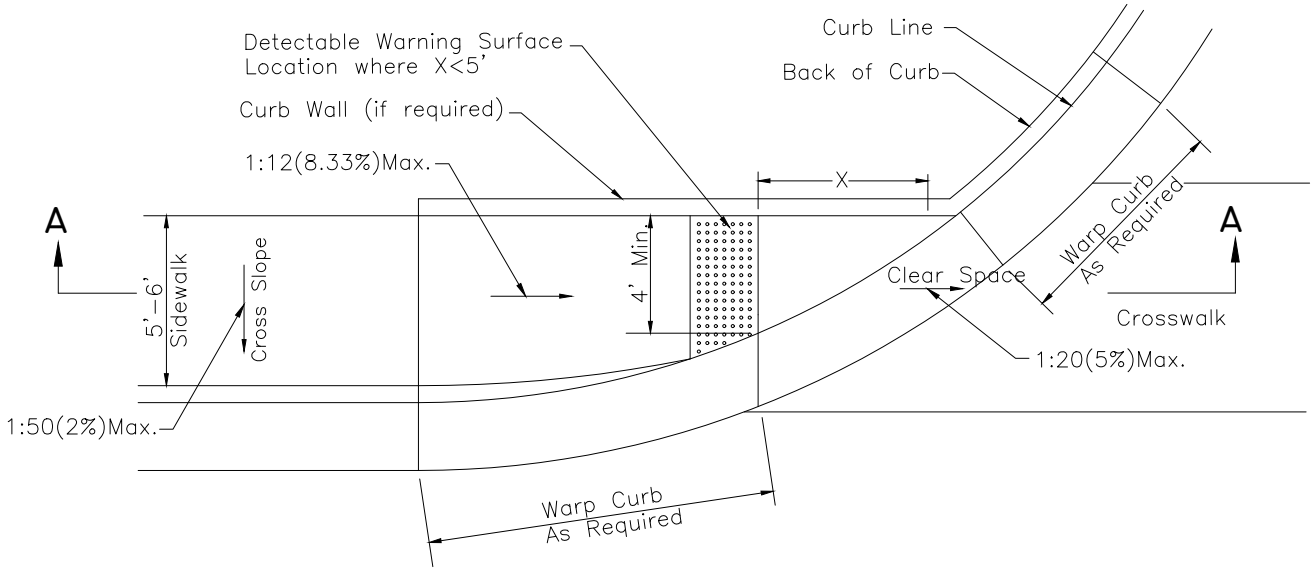
TYPE H



SECTION A-A



REQUIRED DETECTABLE WARNING SURFACE
LOCATION WHERE X>5' FOR TYPE H & TYPE J



TYPE J

SALT LAKE COUNTY

CURB RAMPS

STANDARD PLAN
135
SHEET 6 OF 6

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NOTES:

1. Get ENGINEER's approval of sign format and installation.
2. Bolts, Nuts, Washers, Accessories: Stainless or galvanized steel, APWA Section 05 05 23.
3. Install sign posts on corner selected by ENGINEER.
4. Install the edge of the sign 2 feet from the vertical extension of the back of curb as near as possible to the approach curb P.C. (point of curvature).

SALT LAKE COUNTY

SIGN POST IN CONCRETE DETAIL

STANDARD PLAN
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SHEET 1 OF 2

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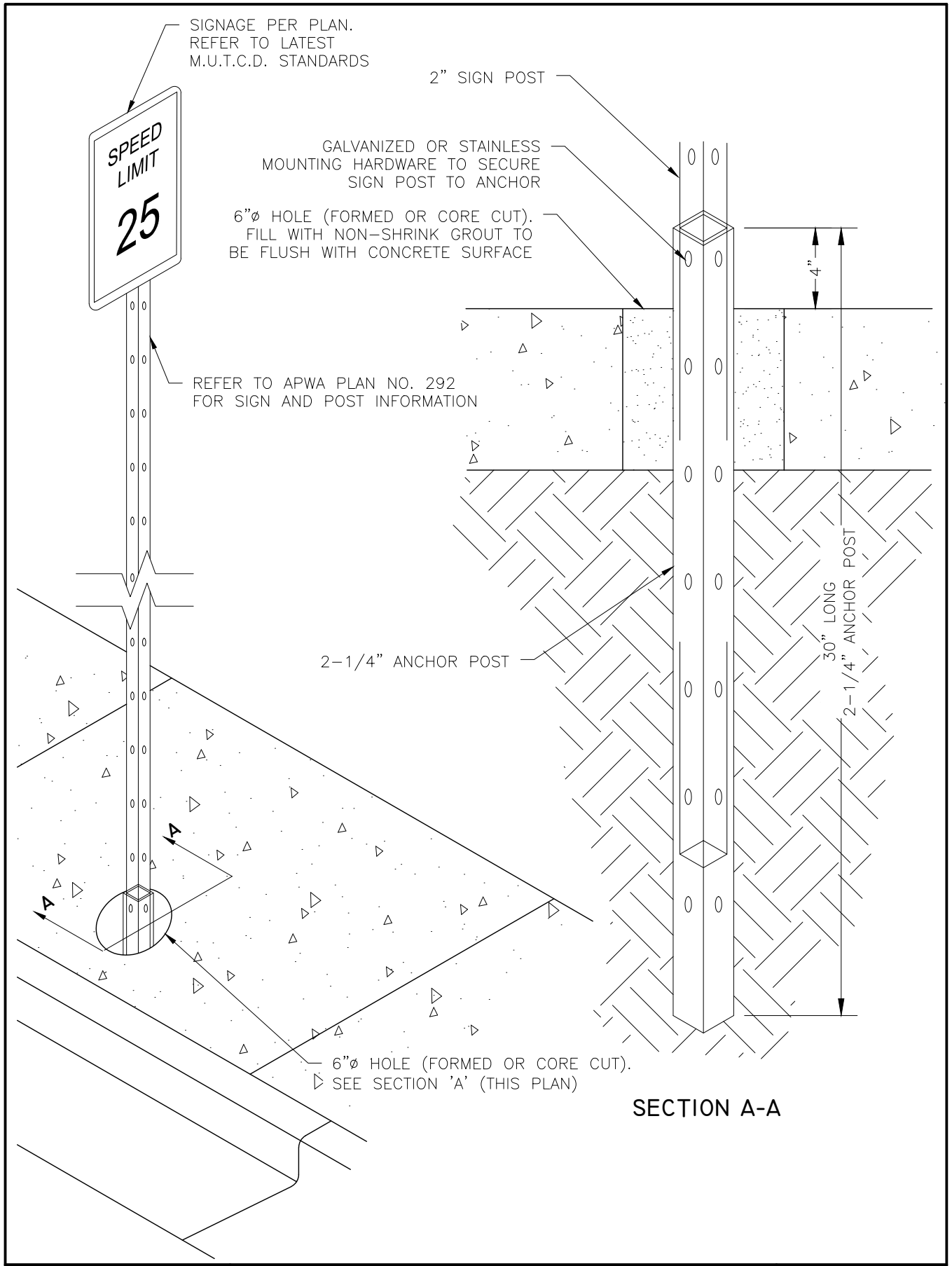

SECTION A-A

SALT LAKE COUNTY

SIGN POST IN CONCRETE DETAIL

STANDARD PLAN
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SHEET 2 OF 2

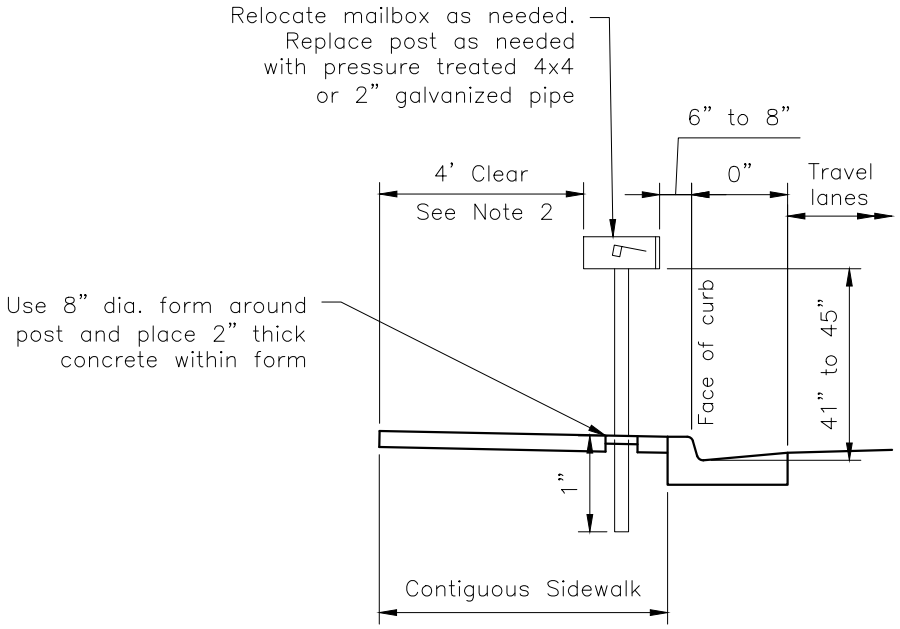
REV. 2025-0

NOTES:

1. This detail has been developed to provide a location for utilities when sidewalk is placed contiguous with curb and gutter.

2. Minimum sidewalk clear width adjacent to obstruction shall be 4' unless otherwise approved by the MSD Engineer. Verify with the engineer that the appropriate right–of–way width exists where sidewalk must be widened around an obstruction.

3. Brick–stamped and colored concrete areas shall match the thickness of concrete and base course of the adjacent sidewalk.



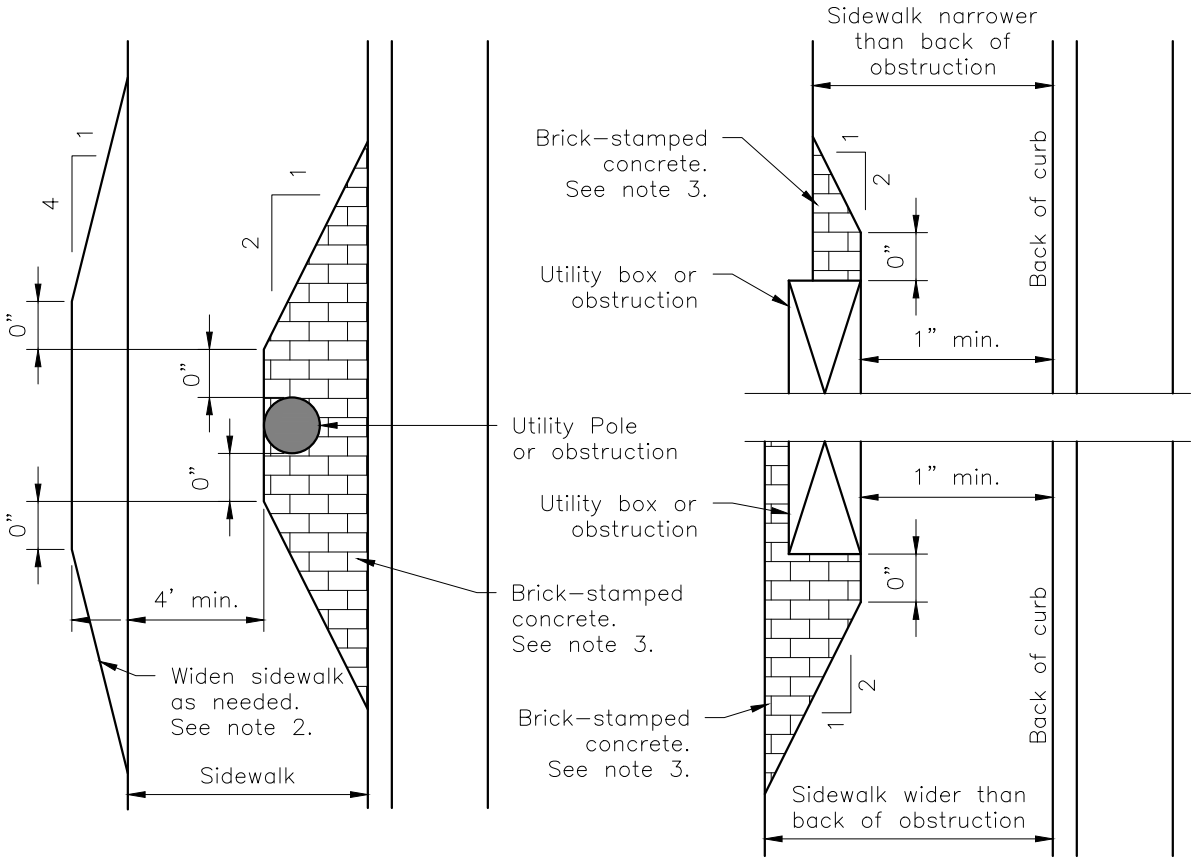
MAILBOX RELOCATION

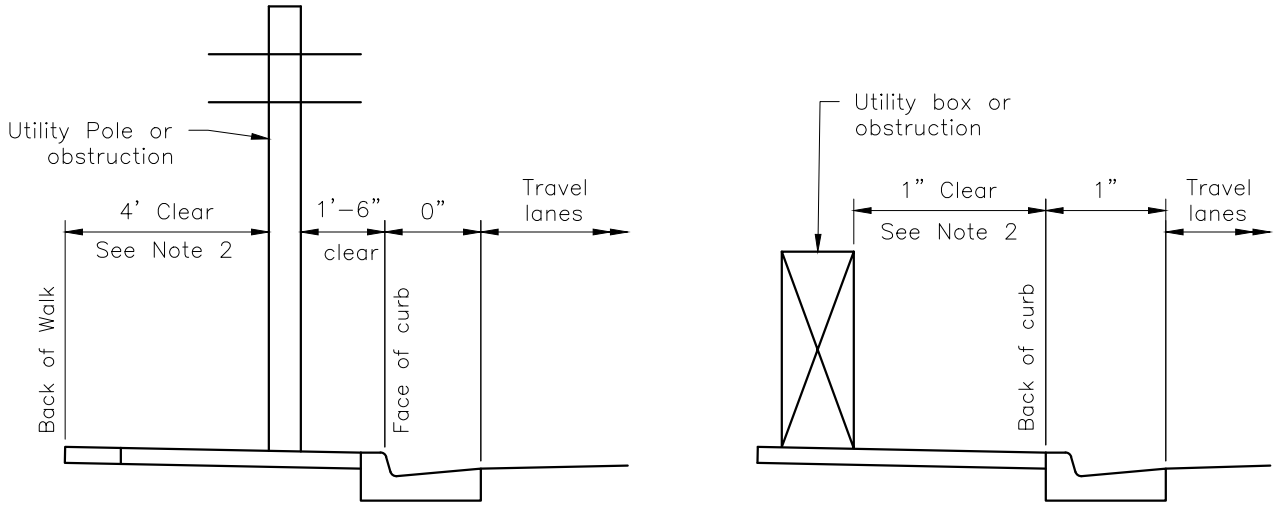
SALT LAKE COUNTY

SIDEWALK OBSTRUCTION DETAIL

STANDARD PLAN
150
SHEET 1 OF 2

REV. 2025-0





CURB-SIDE OBSTRUCTION

BACK-OF-WALK OBSTRUCTION

SALT LAKE COUNTY

SIDEWALK OBSTRUCTION DETAIL

STANDARD PLAN
150
SHEET 2 OF 2

REV. 2025-0

NOTES:

1. Concrete is considered defective if any component has one or more of the conditions shown on sheet 2. The MSD may require section replacement for any latent defects not described.

2. Defective concrete resulting from an individual crack is defined as having at least one of the following:
   - —horizontal separation wide enough to insert a dime
   - —vertical displacement resulting from crack
   - —spalling, spidering, or chipping of crack

3. Defective concrete resulting from multiple cracks is defined as having at least one of the following:
   - —one section with multiple cracks where both ends of crack link with slab edge, joint, or another crack.
   - —adjacent sections with one or more cracks where both ends of crack link with slab edge, joint, or another crack.

4. Defective concrete resulting from vertical displacement is defined as one of the following:
   - —at time of performance bond release: any vertical displacement at construction joint or expansion joint.
   - —concrete not under warranty: vertical displacement at construction joint or expansion joint greater than $\frac{1}{4}$".

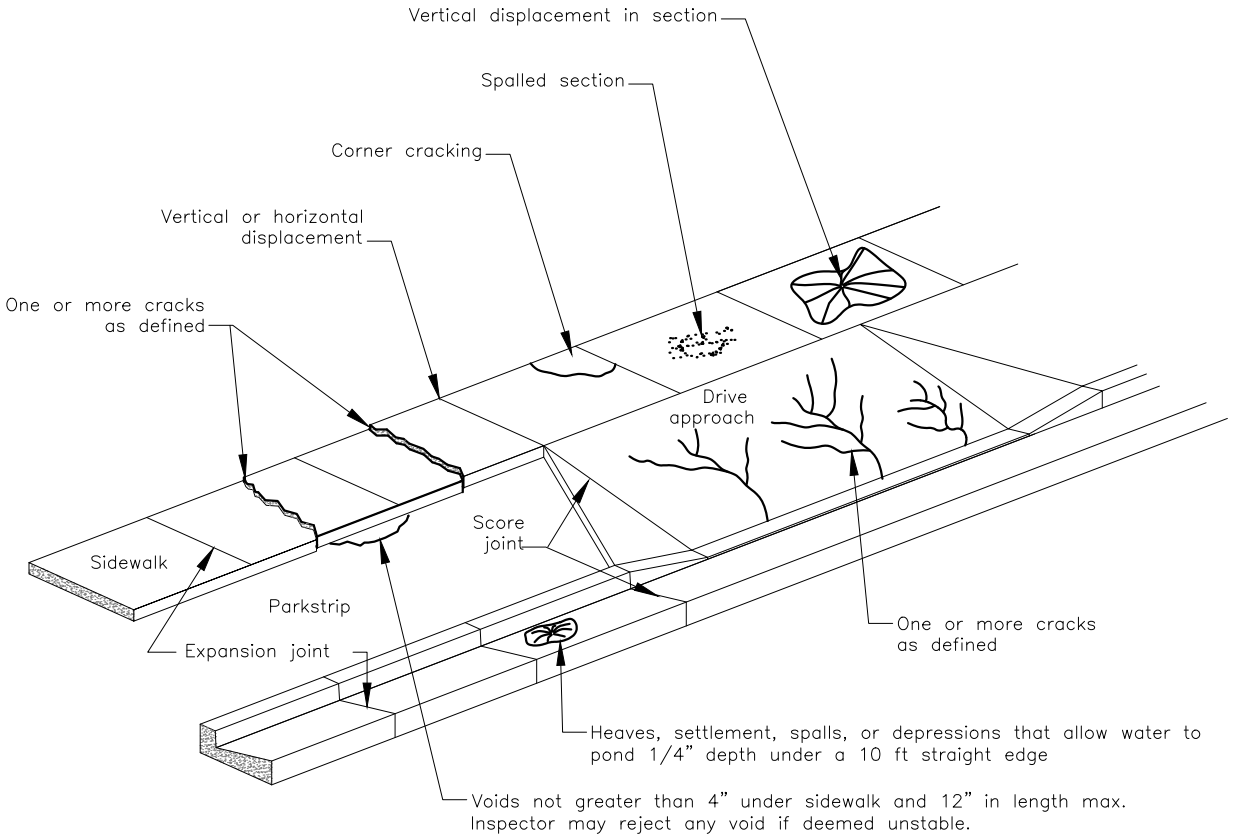
5. Defective concrete resulting from spalls is defined as one of the following:
   - —at time of performance bond release: any spalling.
   - —concrete not under warranty: spalling covering more than 20% of a section.

SALT LAKE COUNTY

DEFECTIVE CONCRETE

STANDARD PLAN
155
SHEET 1 OF 2

REV. 2025-0



SALT LAKE COUNTY

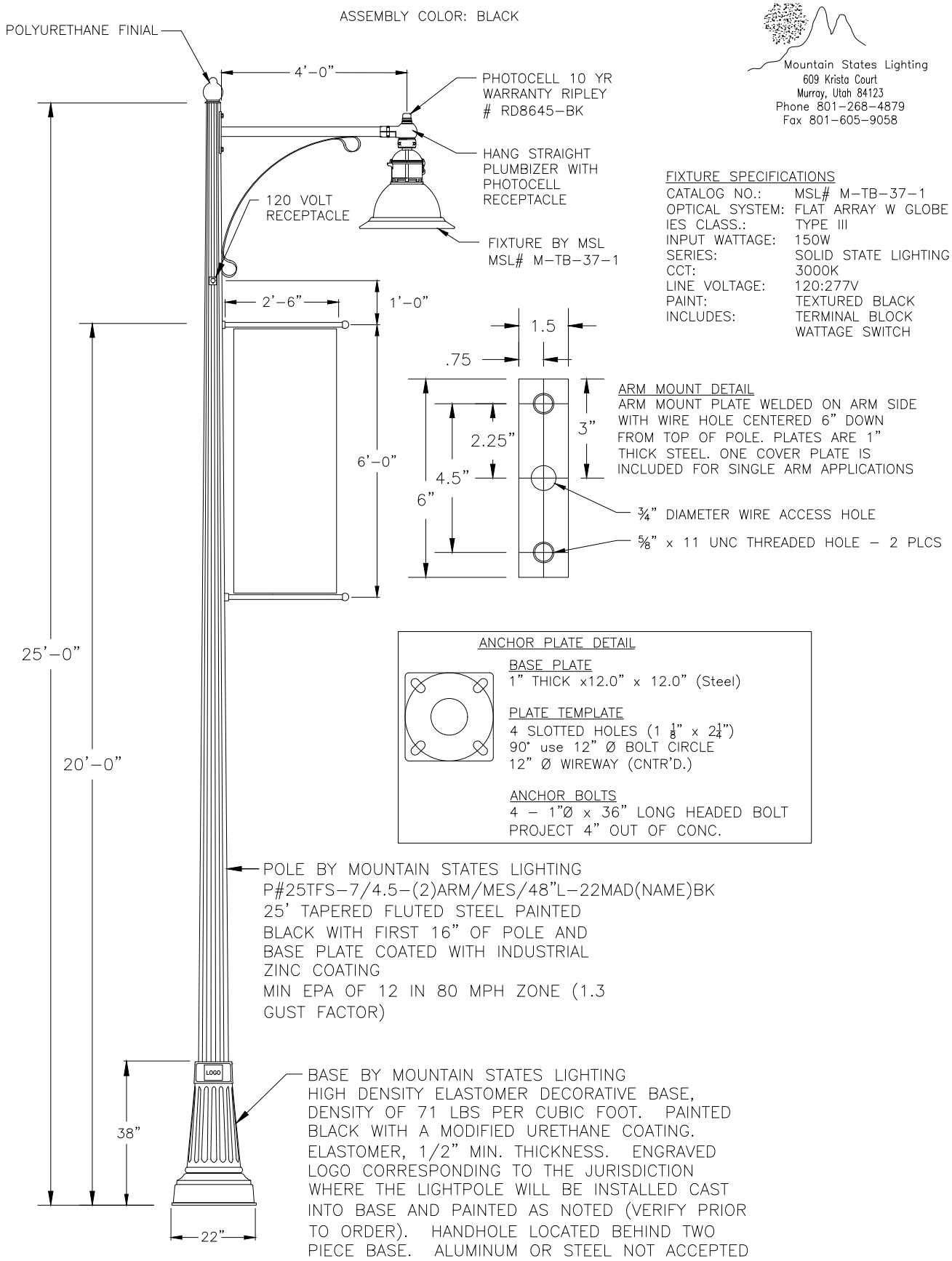
DEFECTIVE CONCRETE

STANDARD PLAN

155

SHEET 2 OF 2

REV. 2025-0



Mountain States Lighting
609 Krista Court
Murray, Utah 84123
Phone 801-268-4879
Fax 801-605-9058

FIXTURE SPECIFICATIONS

CATALOG NO.:	MSL# M-TB-37-1
OPTICAL SYSTEM:	FLAT ARRAY W GLOBE
IES CLASS.:	TYPE III
INPUT WATTAGE:	150W
SERIES:	SOLID STATE LIGHTING
CCT:	3000K
LINE VOLTAGE:	120:277V
PAINT:	TEXTURED BLACK
INCLUDES:	TERMINAL BLOCK WATTAGE SWITCH

SALT LAKE COUNTY

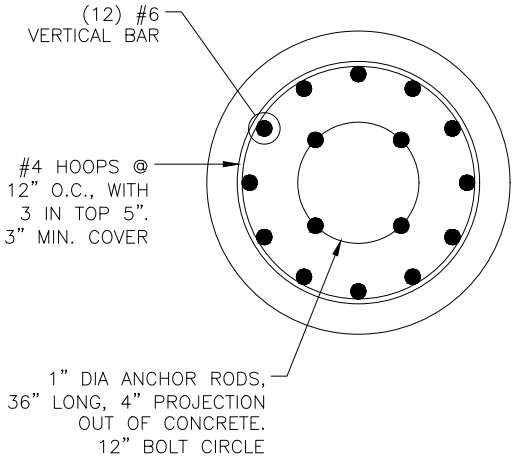
ARTERIAL LED STREET LIGHT

STANDARD PLAN
160
SHEET 1 OF 2

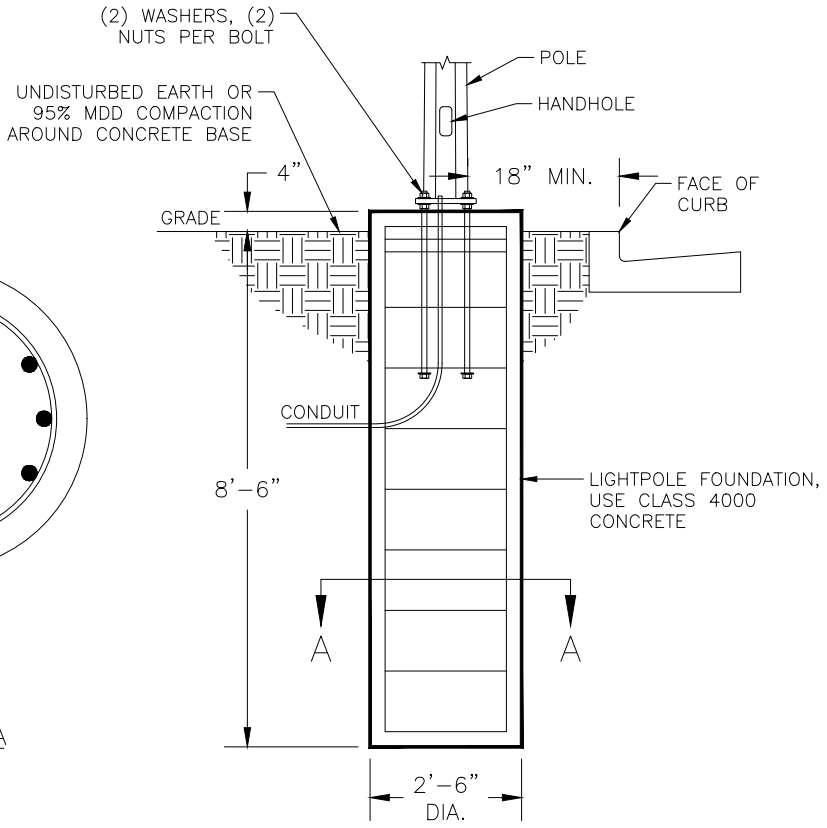
REV. 2025-0

NOTES:

1. SEE STANDARD DRAWING 150 IN THIS DOCUMENT FOR PLACEMENT IN CONTIGUOUS SIDEWALK.
2. FOUNDATION DETAILS CAN VARY FROM THOSE SHOWN HERE WITH A SITE SPECIFIC FOUNDATION DESIGN THAT HAS BEEN REVIEWED AND APPROVED BY MSD ENGINEER.



SECTION A–A



FOUNDATION DETAILS

SALT LAKE COUNTY

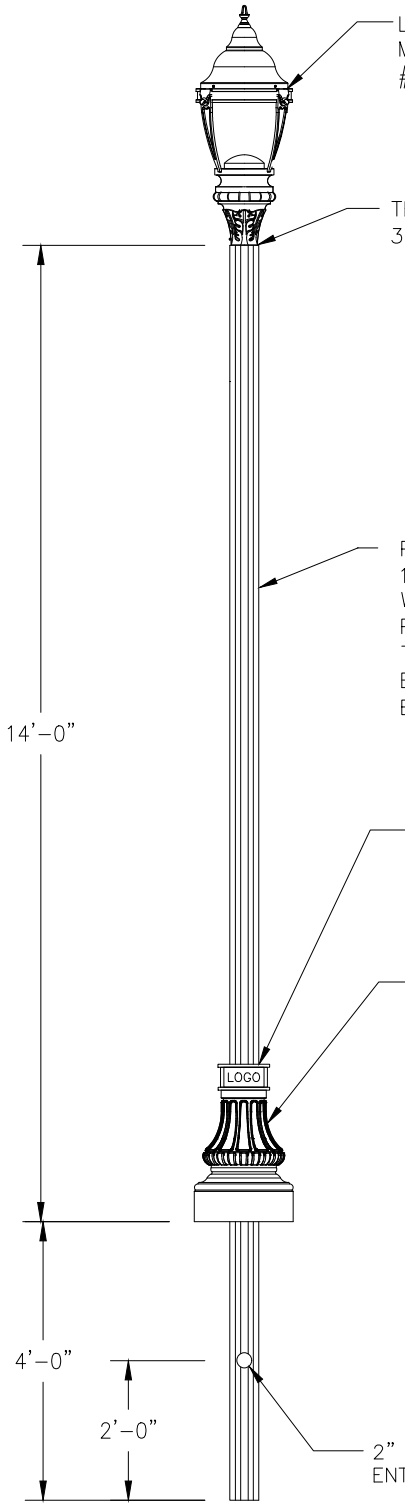
ARTERIAL LED STREET LIGHT

STANDARD PLAN
160
SHEET 2 OF 2

REV. 2025-0

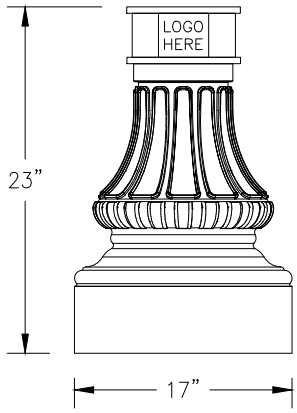
Mountain States Lighting
609 Krista Court
Murray, Utah 84123
Phone 801-268-4879
Fax 801-605-9058

ASSEMBLY COLOR: BLACK



FIXTURE SPECIFICATIONS:

CATALOG NO.:	K137R-P4NG-III-75(SSL)-7030-120:277-K14-PR7-4K-TB-1-WS
OPTICAL SYSTEM:	FLAT ARRAY
IES CLASS.:	TYPE III
INPUT WATTAGE:	75W
SERIES:	SOLID STATE LIGHTING
CCT:	4000K
LINE VOLTAGE:	120:277V
POLE ADAPTOR:	K14
PAINT:	BLACK



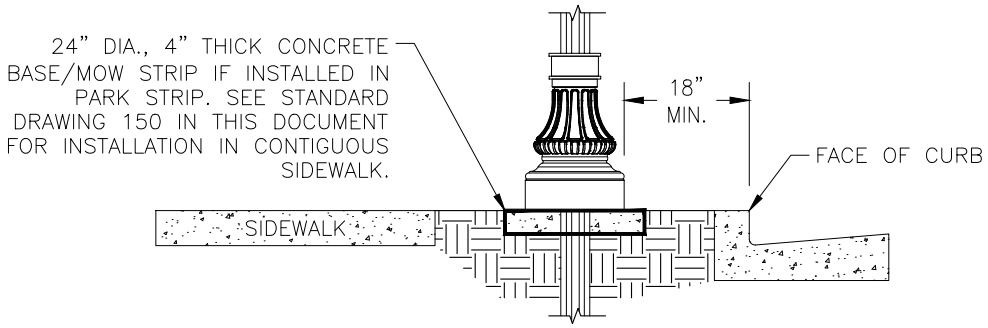
DECORATIVE BASE DETAIL

SALT LAKE COUNTY

COLLECTOR LED STREET LIGHT

STANDARD PLAN
161
SHEET 1 OF 2

REV. 2025-0



INSTALLATION DETAILS

SALT LAKE COUNTY

COLLECTOR LED STREET LIGHT

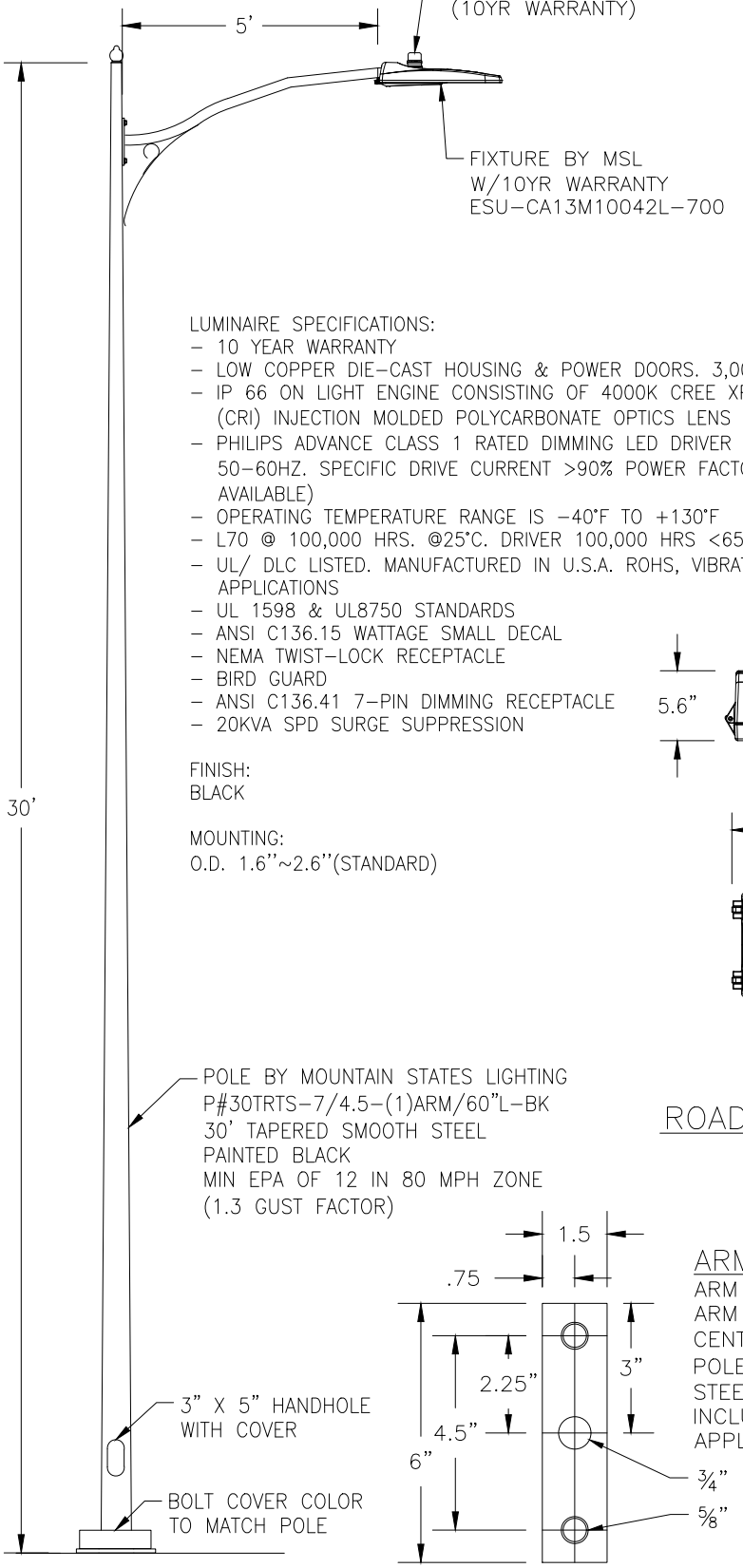
STANDARD PLAN

161

SHEET 2 OF 2

REV. 2025-0

ASSEMBLY COLOR: BLACK

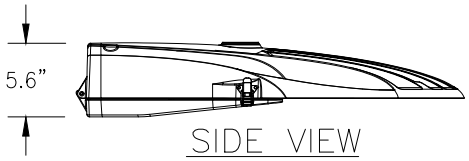


Mountain States Lighting
609 Krista Court
Murray, Utah 84123
Phone 801-268-4879
Fax 801-605-9058

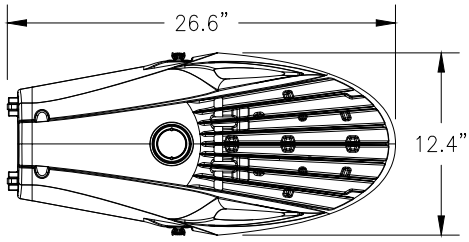
LUMINAIRE SPECIFICATIONS:
- 10 YEAR WARRANTY
- LOW COPPER DIE-CAST HOUSING & POWER DOORS. 3,000 HOURS SALT SPRAY TO ASTM D1654-08
- IP 66 ON LIGHT ENGINE CONSISTING OF 4000K CREE XP-G3 LEDS, >70 COLOR RENDERING INDEX (CRI) INJECTION MOLDED POLYCARBONATE OPTICS LENS EMBOSSED WITH THE LIGHT DISTRIBUTION TYPE
- PHILIPS ADVANCE CLASS 1 RATED DIMMING LED DRIVER DRIVER OPERATES 120~277VAC(STANDARD), 50-60HZ. SPECIFIC DRIVE CURRENT >90% POWER FACTOR, <20% THD. (480V INPUT VOLTAGE AVAILABLE)
- OPERATING TEMPERATURE RANGE IS -40°F TO +130°F
- L70 @ 100,000 HRS. @25°C. DRIVER 100,000 HRS <65°F
- UL/ DLC LISTED. MANUFACTURED IN U.S.A. ROHS, VIBRATION TESTED TO ANSI 136.31 FOR BRIDGE APPLICATIONS
- UL 1598 & UL8750 STANDARDS
- ANSI C136.15 WATTAGE SMALL DECAL
- NEMA TWIST-LOCK RECEPTACLE
- BIRD GUARD
- ANSI C136.41 7-PIN DIMMING RECEPTACLE
- 20KVA SPD SURGE SUPPRESSION

FINISH:
BLACK

MOUNTING:
O.D. 1.6"~2.6"(STANDARD)



SIDE VIEW



TOP VIEW

ROADWAY LED FIXTURE DETAIL

ARM MOUNT DETAIL

ARM MOUNT PLATE WELDED ON ARM SIDE WITH WIRE HOLE CENTERED 6" DOWN FROM TOP OF POLE. PLATES ARE 1" THICK STEEL. ONE COVER PLATE IS INCLUDED FOR SINGLE ARM APPLICATIONS

¾" DIAMETER WIRE ACCESS HOLE

⅝" x 11 UNC THREADED HOLE - 2 PLCS

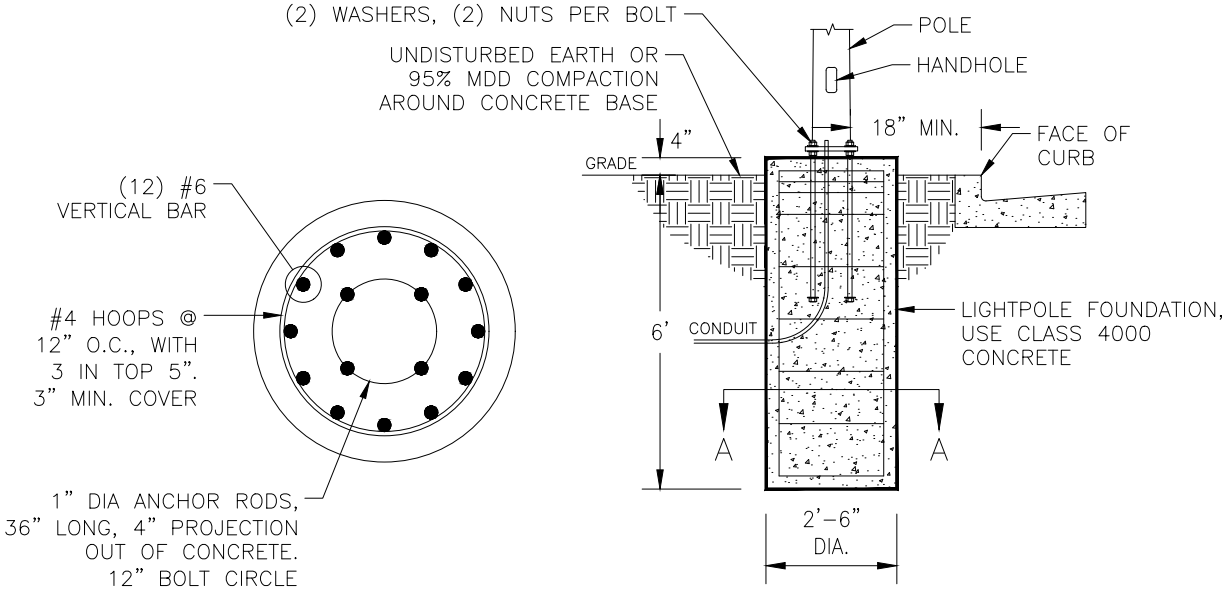
SALT LAKE COUNTY

INDUSTRIAL LED STREET LIGHT

STANDARD PLAN
162
SHEET 1 OF 2

REV. 2025-0

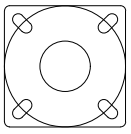
NOTES:
1. SEE STANDARD DRAWING 150 IN THIS DOCUMENT FOR PLACEMENT IN CONTIGUOUS SIDEWALK.
2. FOUNDATION DETAILS CAN VARY FROM THOSE SHOWN HERE WITH A SITE SPECIFIC FOUNDATION DESIGN THAT HAS BEEN REVIEWED AND APPROVED BY MSD ENGINEERING.



SECTION A–A

30' INDUSTRIAL POLE FOUNDATION DETAILS

ANCHOR PLATE DETAIL



BASE PLATE
1" THICK x12.0" x 12.0" (Steel)

PLATE TEMPLATE
4 SLOTTED HOLES (1⅛" x 2¼")
90° use 12" Ø BOLT CIRCLE
12" Ø WIREWAY (CNTR'D.)

ANCHOR BOLTS
4 – 1"Ø x 36" LONG HEADED BOLT
PROJECT 4" OUT OF CONC.

SALT LAKE COUNTY

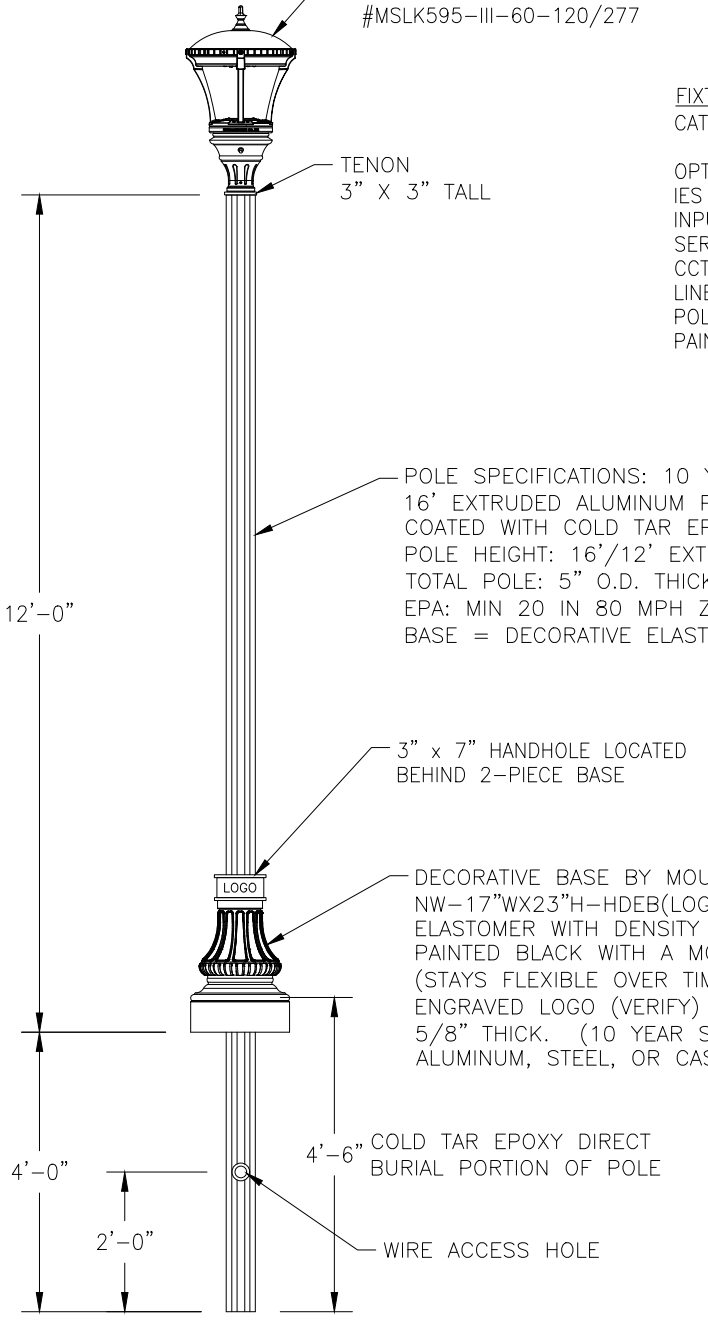
INDUSTRIAL LED STREET LIGHT

STANDARD PLAN
162
SHEET 2 OF 2

REV. 2025-0

ASSEMBLY COLOR: BLACK

Mountain States Lighting
609 Krista Court
Murray, Utah 84123
Phone 801-268-4879
Fax 801-605-9058



FIXTURE SPECIFICATIONS:

CATALOG NO.:	K595-P4NL-III-60(SSL)-7030-120:277-K14-PR7-3K-TB-BK-1-WS
OPTICAL SYSTEM:	FLAT ARRAY
IES CLASS.:	TYPE III
INPUT WATTAGE:	60W
SERIES:	SOLID STATE LIGHTING
CCT:	3000K
LINE VOLTAGE:	120:277V
POLE ADAPTOR:	K14
PAINT:	BLACK

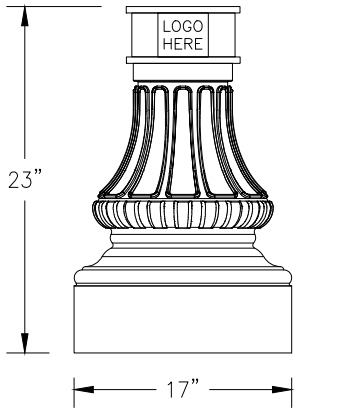
POLE SPECIFICATIONS: 10 YEAR STRUCTURAL WARRANTY
16' EXTRUDED ALUMINUM POLE PAINTED, WITH THE FIRST 54" COATED WITH COLD TAR EPOXY
POLE HEIGHT: 16'/12' EXTRUDED ALUMINUM
TOTAL POLE: 5" O.D. THICKNESS: 0.250"
EPA: MIN 20 IN 80 MPH ZONE (1.3 GUST FACTOR)
BASE = DECORATIVE ELASTOMER - AVERAGE 3/4" THICK (50 LBS)

3" x 7" HANDHOLE LOCATED BEHIND 2-PIECE BASE

DECORATIVE BASE BY MOUNTAIN STATES LIGHTING # NW-17"WX23"H-HDEB(LOGO)-BK HIGH DENSITY ELASTOMER WITH DENSITY OF 71LBS PER CUBIC FOOT. PAINTED BLACK WITH A MODIFIED URETHANE COATING (STAYS FLEXIBLE OVER TIME W/MAX ADHESION) ENGRAVED LOGO (VERIFY) BASE TO BE AN AVERAGE OF 5/8" THICK. (10 YEAR STRUCTURAL WARRANTY) ALUMINUM, STEEL, OR CAST IRON IS NOT ACCEPTABLE

COLD TAR EPOXY DIRECT BURIAL PORTION OF POLE

WIRE ACCESS HOLE



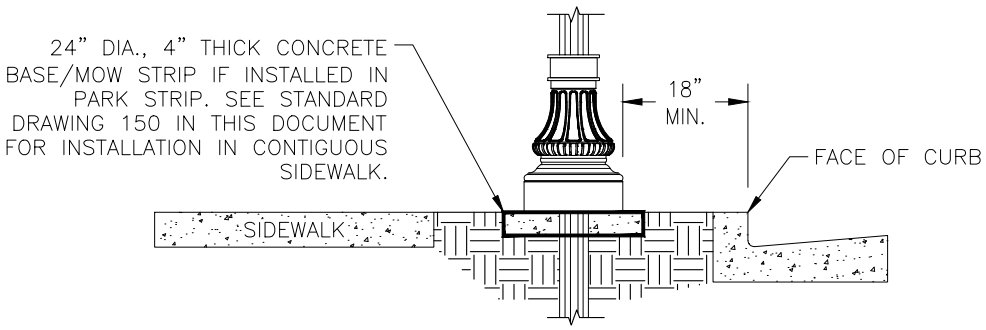
DECORATIVE BASE DETAIL

SALT LAKE COUNTY

RESIDENTIAL LED STREET LIGHT

STANDARD PLAN
163
SHEET 1 OF 2

REV. 2025-0



INSTALLATION DETAILS

SALT LAKE COUNTY

RESIDENTIAL LED STREET LIGHT

STANDARD PLAN
163
SHEET 2 OF 2

REV. 2025-0

NOTES:

Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by the MSD Engineer.

Cast Iron to conform to ASTM A–48, Class 35B H–20 wheel loading.

Use D&L Supply Co. I–3517 or approved equivalent.

All connecting hardware to be stainless steel.

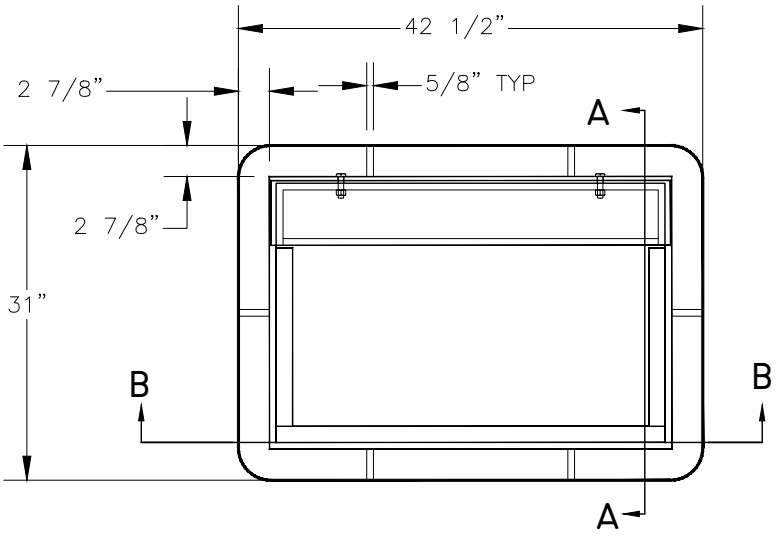
SALT LAKE COUNTY

CURB OPENING FRAME AND GRATE

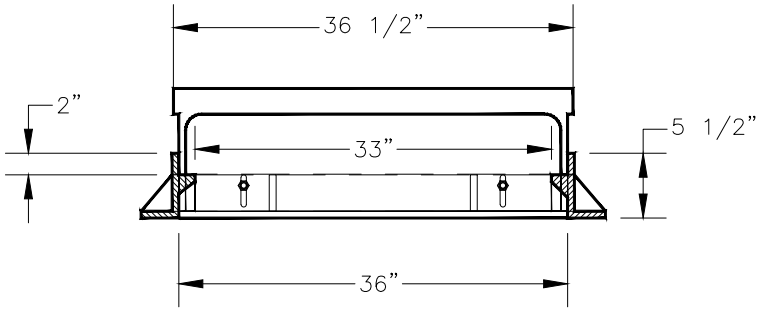
STANDARD PLAN

201

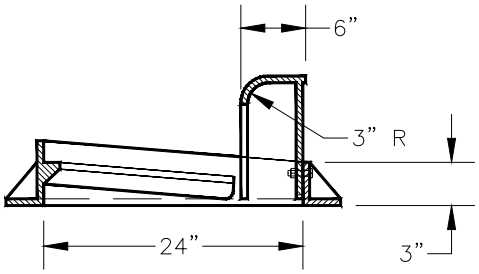
REV. 2025-0



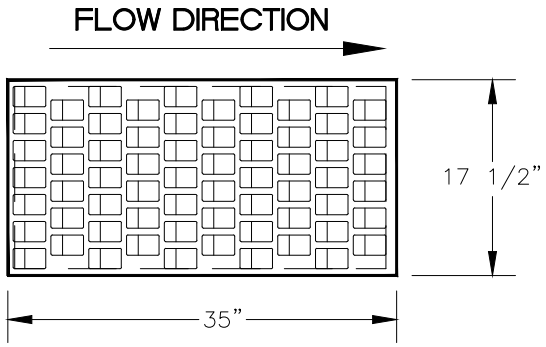
FRAME PLAN



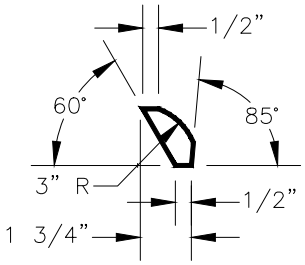
SECTION B-B



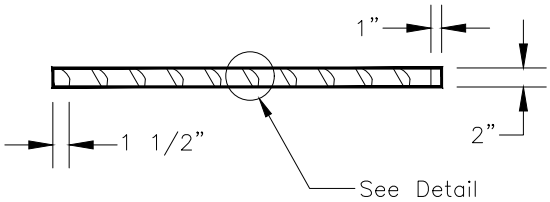
SECTION A-A



GRATE PLAN



DETAIL



SALT LAKE COUNTY

CURB OPENING FRAME AND GRATE

STANDARD PLAN
201
SHEET 2 OF 2

REV. 2025-0

NOTES:

Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by the MSD Engineer.

Ladder Rungs: Provide rungs in boxes over 4 feet deep, spaced 12" O.C. When measured from the floor of the box, place bottom rung 16" maximum above box floor. Place top rung within 3 feet of finish grade.

Follow all current OSHA requirements.

Align rungs with lid opening.

Rungs not required in boxes with concentric access.

Ladder rungs shall be copolymer polypropylene plastic coating over a $\frac{1}{2}$ inch steel bar.

Steel bar shall conform to ASTM 615 Grade 60.

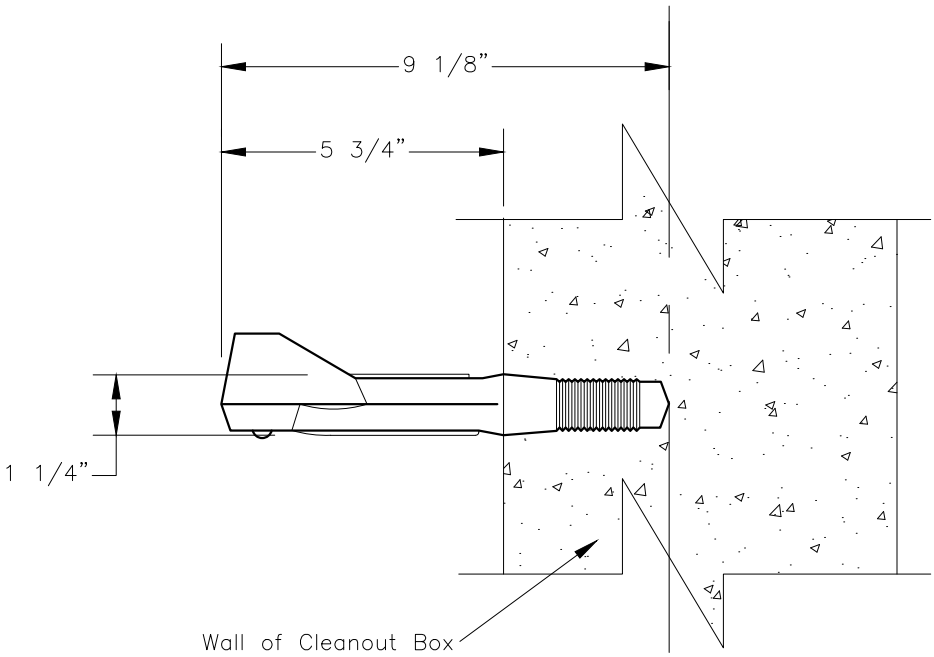
Use M.A. Industries PS1–PF 10" Manhole Single Face Step or approved product with similar materials and ratings with MSD Engineer approval.

SALT LAKE COUNTY

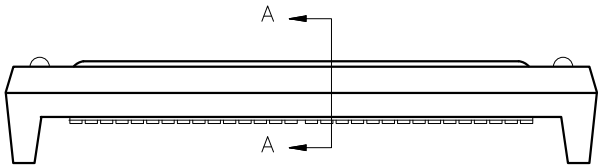
LADDER RUNG

STANDARD PLAN
208
SHEET 1 OF 2

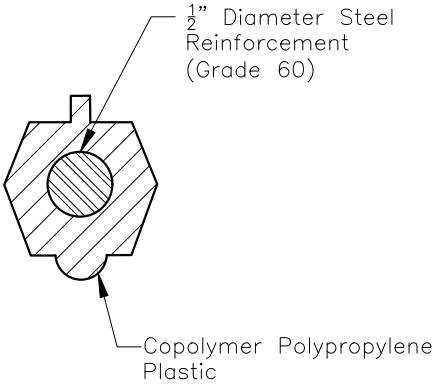
REV. 2025-0



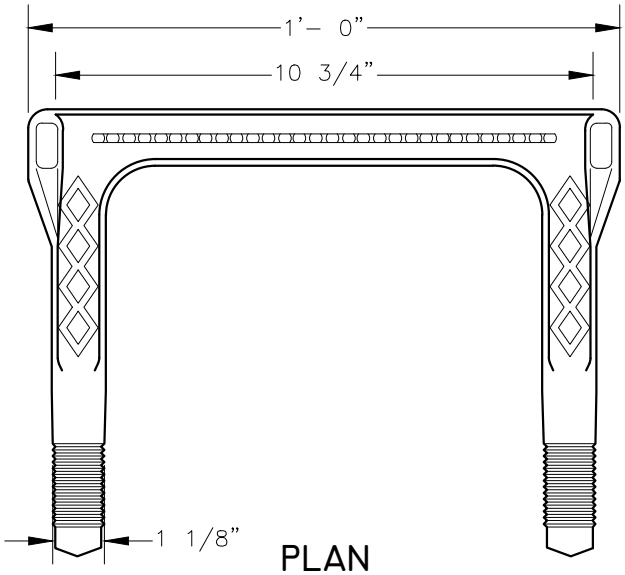
SECTION



ELEVATION



SECTION A-A



PLAN

SALT LAKE COUNTY

LADDER RUNG

STANDARD PLAN
208
SHEET 2 OF 2

REV. 2025-0

NOTES:

GENERAL DETENTION BASIN REQUIREMENTS:

1. Side slopes shall be a maximum of 3:1.
2. Sides and bottom of basin shall be rock lined. In special circumstances such as when the basin contains a park or playing field, the basin may be lined with grass, with approval of the MSD Engineer. For rock lining, use 2" rock with a minimum depth of 5" over separation fabric. If grass lined, the area must be adequately irrigated with a permanent pressurized irrigation system.
3. 1 foot of freeboard above the 10-year 24-hour storm event level or capacity for the 100-year 24-hour storm.
4. Concrete low flow pipe or channel preferred.

SECTION A. INLET AND OUTLET STRUCTURE REQUIREMENTS:

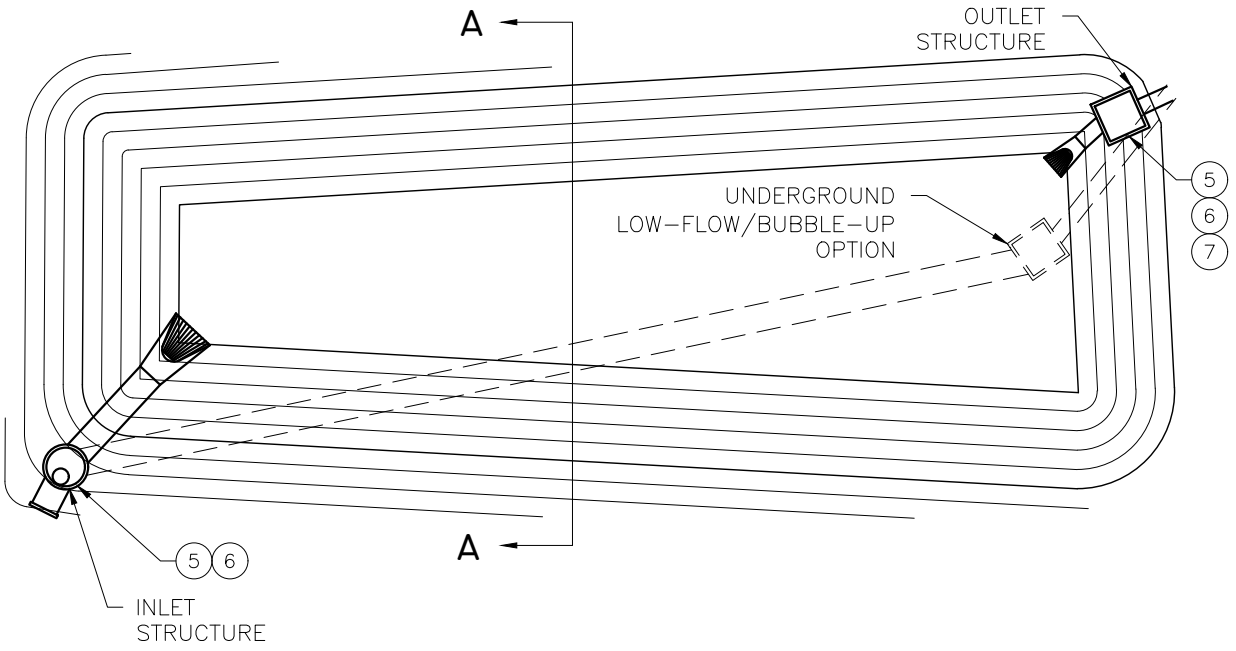
5. Outflow must be restricted per the code requirements.
6. Must include a concrete flared end section and locking grate, unless underground low-flow conveyance is utilized.
7. Pre-treatment required prior to outflow to approved facility, outlet structure must conform to Standard Detail 301 in this document or approved outlet structure.

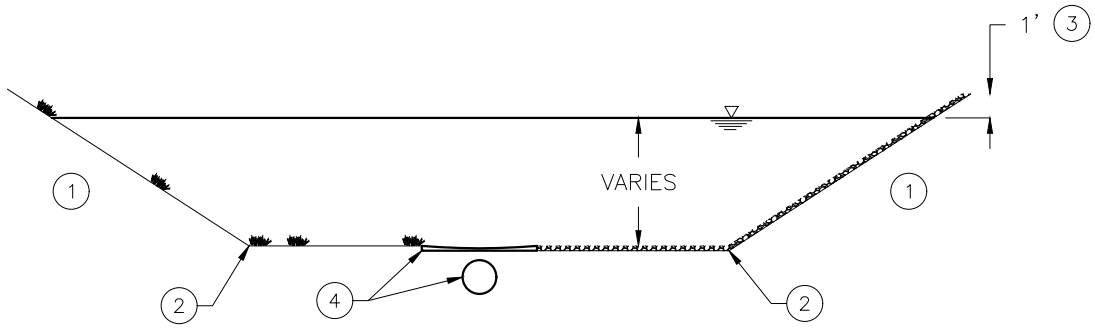
SECTION B. REQUIREMENTS FOR ACCESSES TO ALL INLET/OUTLET STRUCTURES:

8. Must fall within the area of the arc (shown in the Accessible Road/Pad Detail), which is representative of the maintenance vehicles' reach.
9. No increase in elevation greater than 5' from surface of accessible road or pad.
10. No decrease in elevation greater than 35' from surface of accessible road or pad.
11. Must be a minimum of 45 feet in length from traveled way of connecting roadway if a detention pond specific access road or pad is utilized.

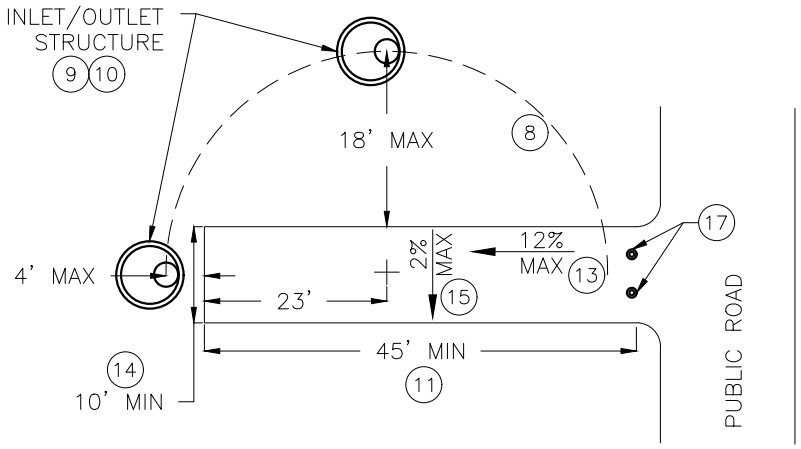
SECTION C. ACCESSIBLE ROAD/PAD REQUIREMENTS:

12. Must be easily accessible by maintenance vehicles.
13. Must not exceed a maximum longitudinal slope of 12%.
14. Must be at least 10' in width.
15. No cross-slope in excess of 2%.
16. Must be a minimum of 6" thick concrete.
17. Must have measures in place restricting public access (ex. bollards). If bollards are used, must be of stainless steel material.
18. Must comply with all other local, county, state, and federal requirements.





SECTION A-A - TYPICAL BASIN SECTION



TYPICAL COUNTY ACCESSIBLE ROAD/PAD DETAIL

SALT LAKE COUNTY

DETENTION BASIN GUIDELINES

STANDARD PLAN
300
SHEET 2 OF 2

REV. 2025-0

NOTES:

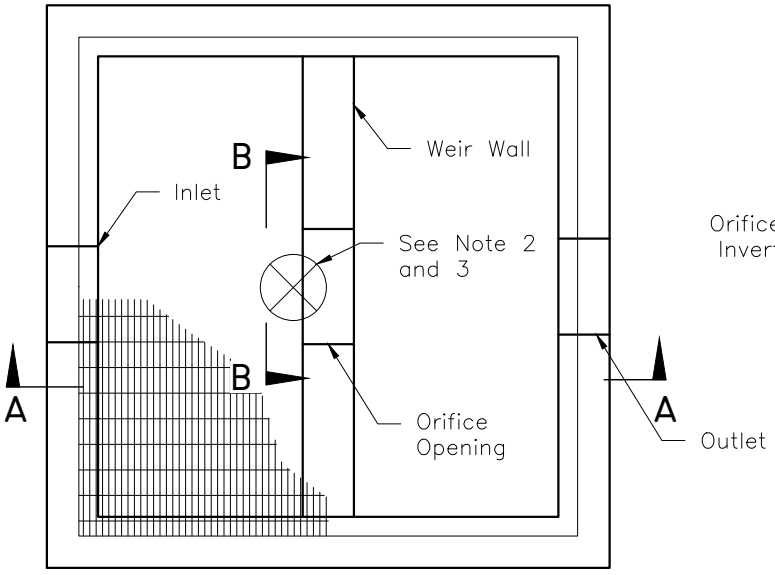
Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by the MSD Engineer. Reference to specific sections of APWA does not limit requirements to that section.

1. Developer shall install lock and chain on handwheel. Lock to be supplied by SLCO Operations Department.

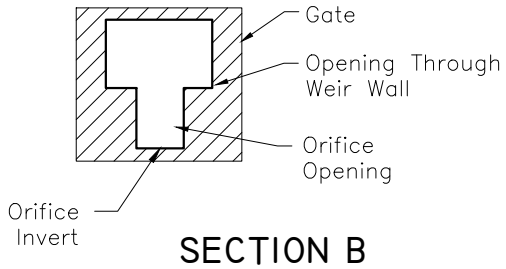
2. Provide gate with stop nut on stem to hold gate at 10" above invert of orifice or higher.

3. Golden Harvest slide gate with non–rising stem and handwheel, or approved equal. Cut grate as required for extension of frame.

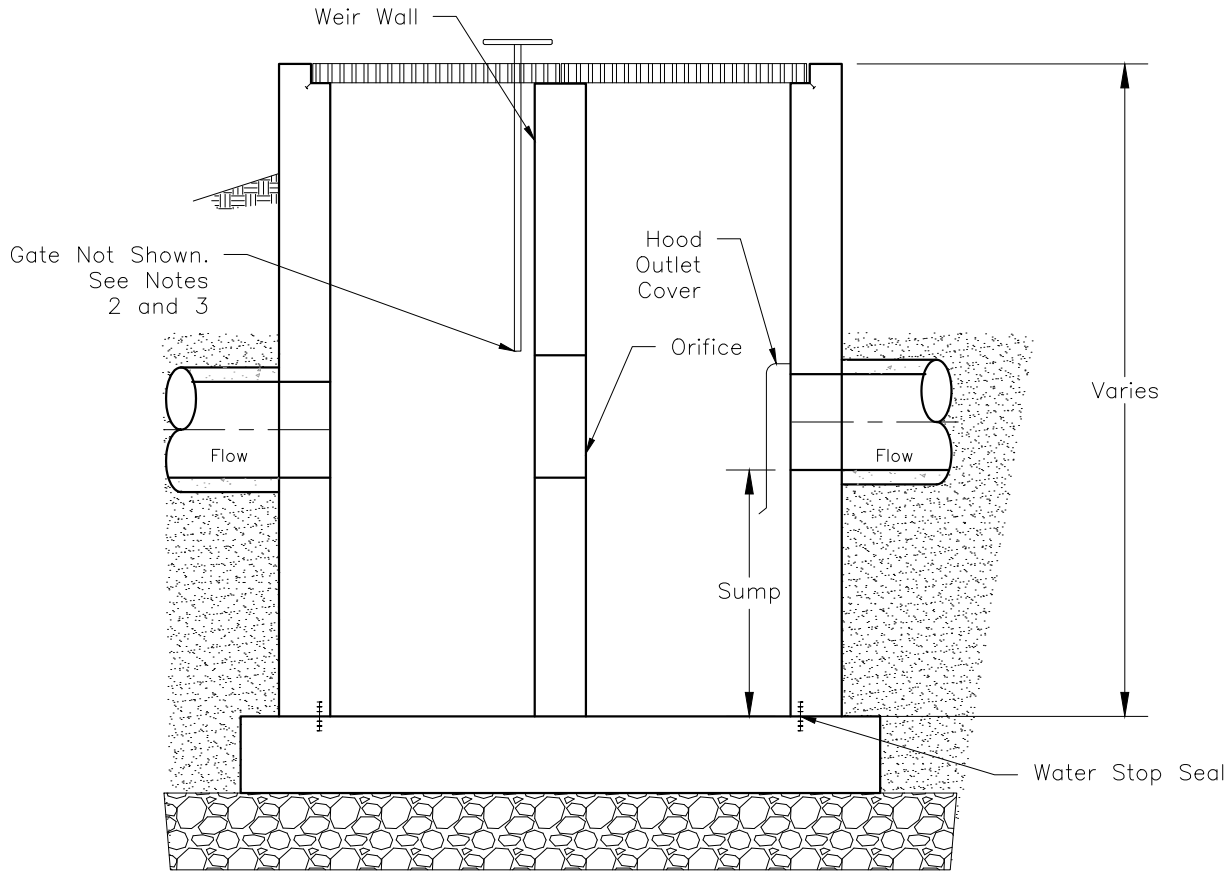
4. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for the outlet structure, including box with weir wall, orifice, gate, hood, and grated top. The specific size of the components shall be designed for the specific application.



PLAN



SECTION B



SECTION A

SALT LAKE COUNTY

OUTLET STRUCTURE GUIDELINES

STANDARD PLAN
301
SHEET 2 OF 2

REV. 2025-0

APPLICANT INSTRUCTIONS

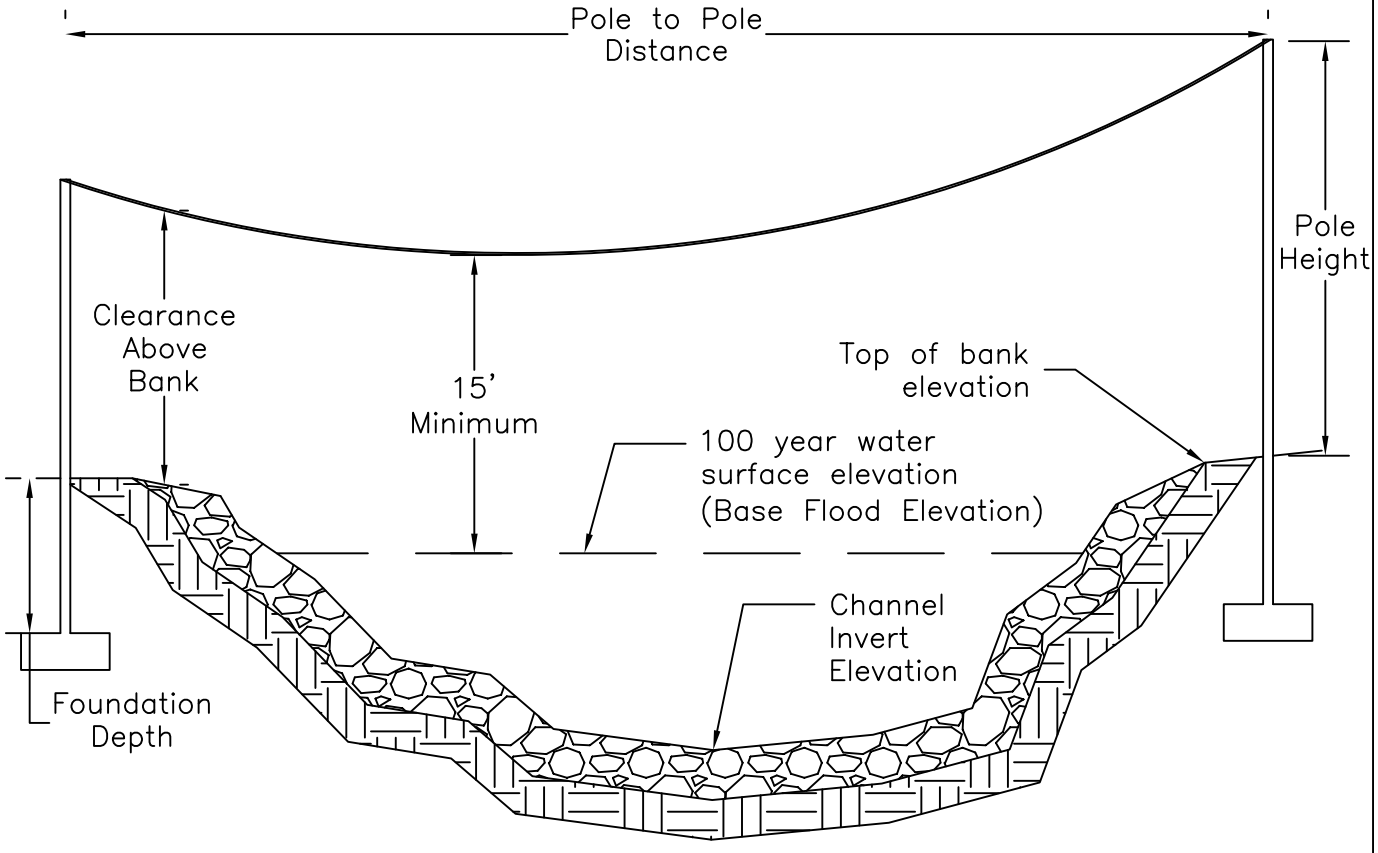
1. Do not resubmit this detail with application. Please show the surveyed cross section at the crossing location.

2. Label all features of the crossing location, including the culvert diameter/dimensions, channel invert elevation, and the base flood elevation (BFE) of the waterway.

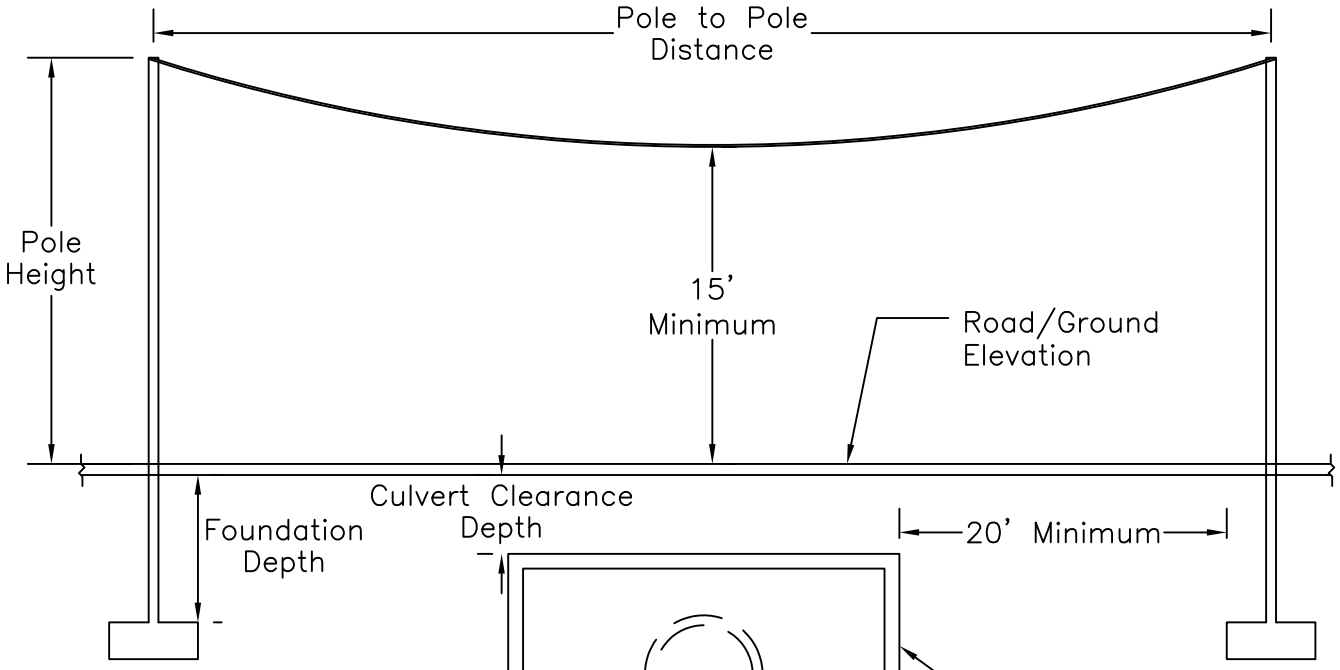
3. Label all features of the utilities, including the utility type/material, the pole height, pole foundation depth, pole to pole distance, horizontal distance from facility, and the vertical clearance above the top of bank/road/BFE.

4. Aerial crossings above roads managed by the Utah Department of Transportation or other municipalities need to adhere to clearance requirements of that agency/city. Aerial crossings above the Surplus Canal need to adhere to the requirements of the US Army Corps of Engineers (USACE). A separate Section 408 Permission will need to be obtained from USACE in addition to the FC Permit.

5. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for aerial crossings over flood control facilities.



Open Channel Crossing
NTS



Culvert Crossing
NTS

SALT LAKE COUNTY FLOOD CONTROL

AERIAL CROSSING OVER FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 01
SHEET 2 OF 2

REV. 04-20-2025

APPLICANT INSTRUCTIONS

1. Do not resubmit this detail with application. Please show the surveyed cross section at the discharge location.

2. Submit calculations for the drainage area using the 100–year, 24–hour storm. The maximum allowable release rate (Q_{100}) shall be the most restrictive of the pre–development discharge rate OR 0.2 cfs/acre OR 0.02 cfs/acre as governed by Chapter 17.08.070 of the Salt Lake County Code of Ordinances.

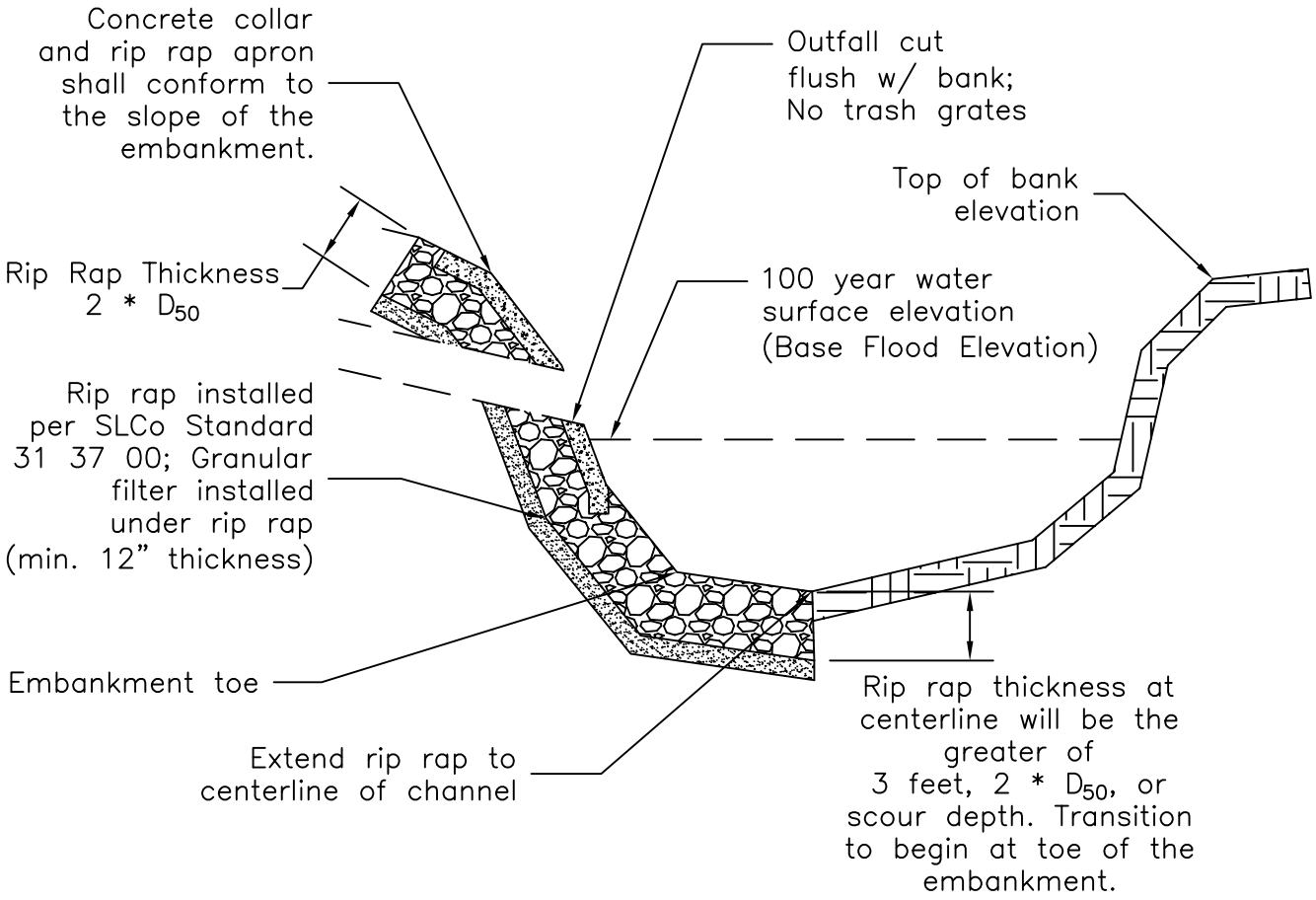
3. Label base flood elevation, channel invert elevation, discharge pipe invert elevation, top of bank(s) elevation, pipe diameter, and pipe material.

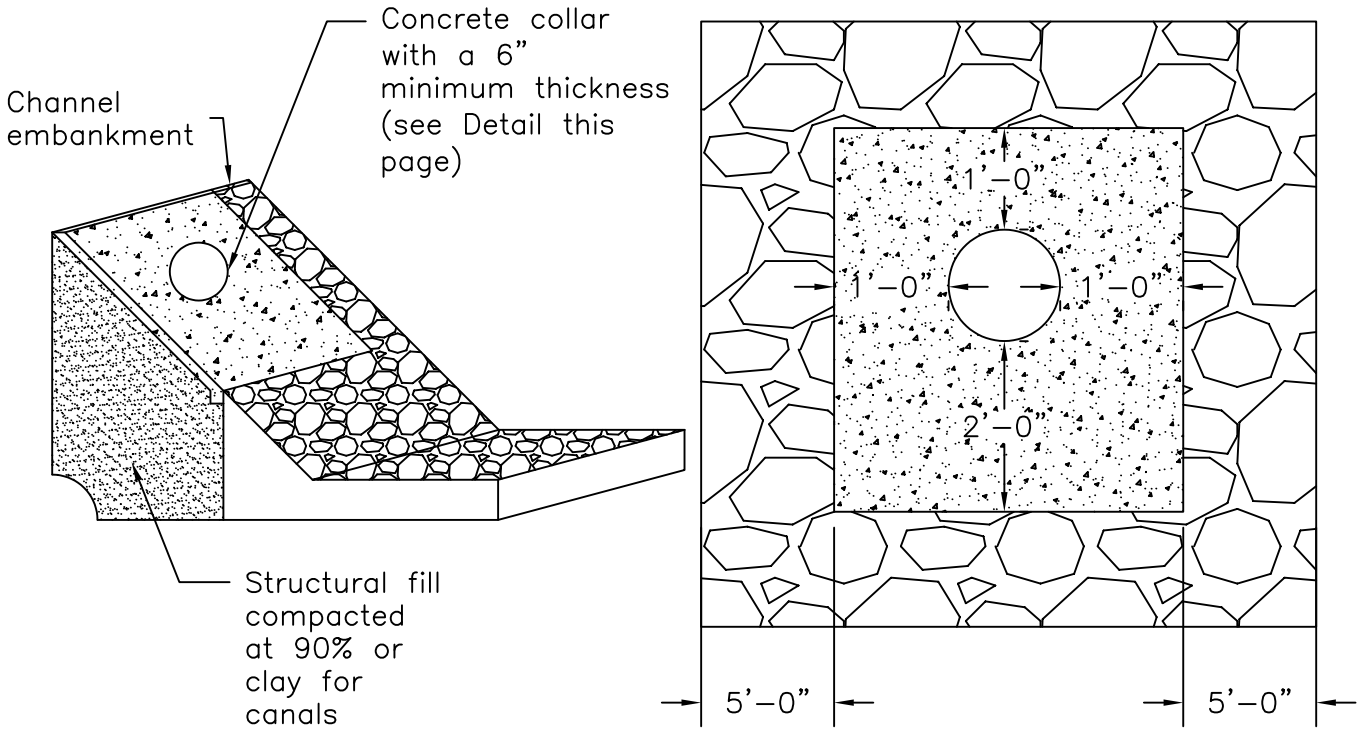
4. If invert elevation of outfall is below the base flood elevation (BFE), a backflow prevention device must be installed.

5. Submit rip rap sizing calculations for the 100–year flows/velocities of the canal, creek, or river (applicant may need to determine 100–year flows/velocities if data is not available).

6. Storm water discharges into the Surplus Canal need to adhere to the requirements of the US Army Corps of Engineers (USACE). A separate Section 408 Permission will need to be obtained from USACE in addition to the FC Permit.

7. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for drainage outfalls into flood control facilities.





Concrete Collar Detail
NTS

SALT LAKE COUNTY FLOOD CONTROL

STORM WATER DISCHARGES INTO FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 02
SHEET 2 OF 2

REV. 04-20-2025

APPLICANT INSTRUCTIONS

1. Do not resubmit this detail with application. Please show surveyed cross section at the crossing location.

2. Label all features of the crossing location, including the waterway, top of bank elevation(s), culvert diameter/dimensions, channel invert elevation, and base flood elevation (BFE) of the waterway.

3. Label all features of the utilities, including the utility type/material, conduit diameter, clearance above culvert or clearance below channel, and distance/location of bore pits from culvert/channel

4. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for horizontal directional drilling. Applicant to confirm clearance depth below road surface with municipality. Horizontal directional drilling under the Surplus Canal needs to adhere to the requirements of the US Army Corps of Engineers (USACE). A separate Section 408 Permission will need to be obtained from the USACE in addition to the FC Permit.

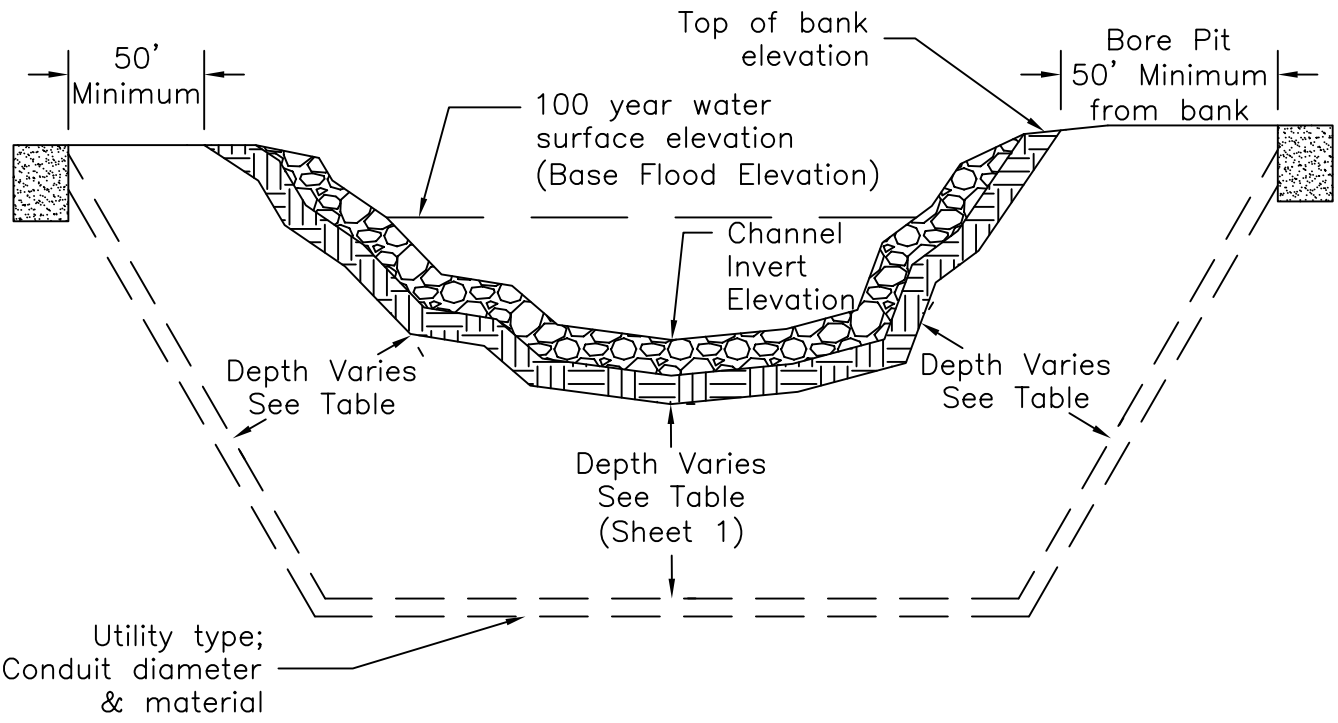
MINIMUM CLEARANCE REQUIRED		
FLOOD CONTROL FACILITY	DRY SEASON DEPTH	IRRIGATION SEASON DEPTH
Jordan & Salt Lake Canal	5'–0"	20'–0"
East Jordan Canal	5'–0"	20'–0"
North Jordan Canal	15'–0"	15'–0"
South Jordan Canal	5'–0"	5'–0"
Utah & Salt Lake Canal*	5'–0"	PROHIBITED
Utah Lake Distributing Canal	5'–0"	5'–0"
Riter Canal	5'–0"	5'–0"
Jordan River	15'–0"	15'–0"
Flood Control Creeks	5'–0"	5'–0"
Surplus Canal**	50'–0"	50'–0"
*The Utah & Salt Lake Canal requires a concrete apron from top of bank to top of bank. Contact canal company for more details.		
**Installation of utilities on the Surplus Canal is a minimum of 50 feet. More details and information will be required by the US Army Corps of Engineers		

SALT LAKE COUNTY FLOOD CONTROL

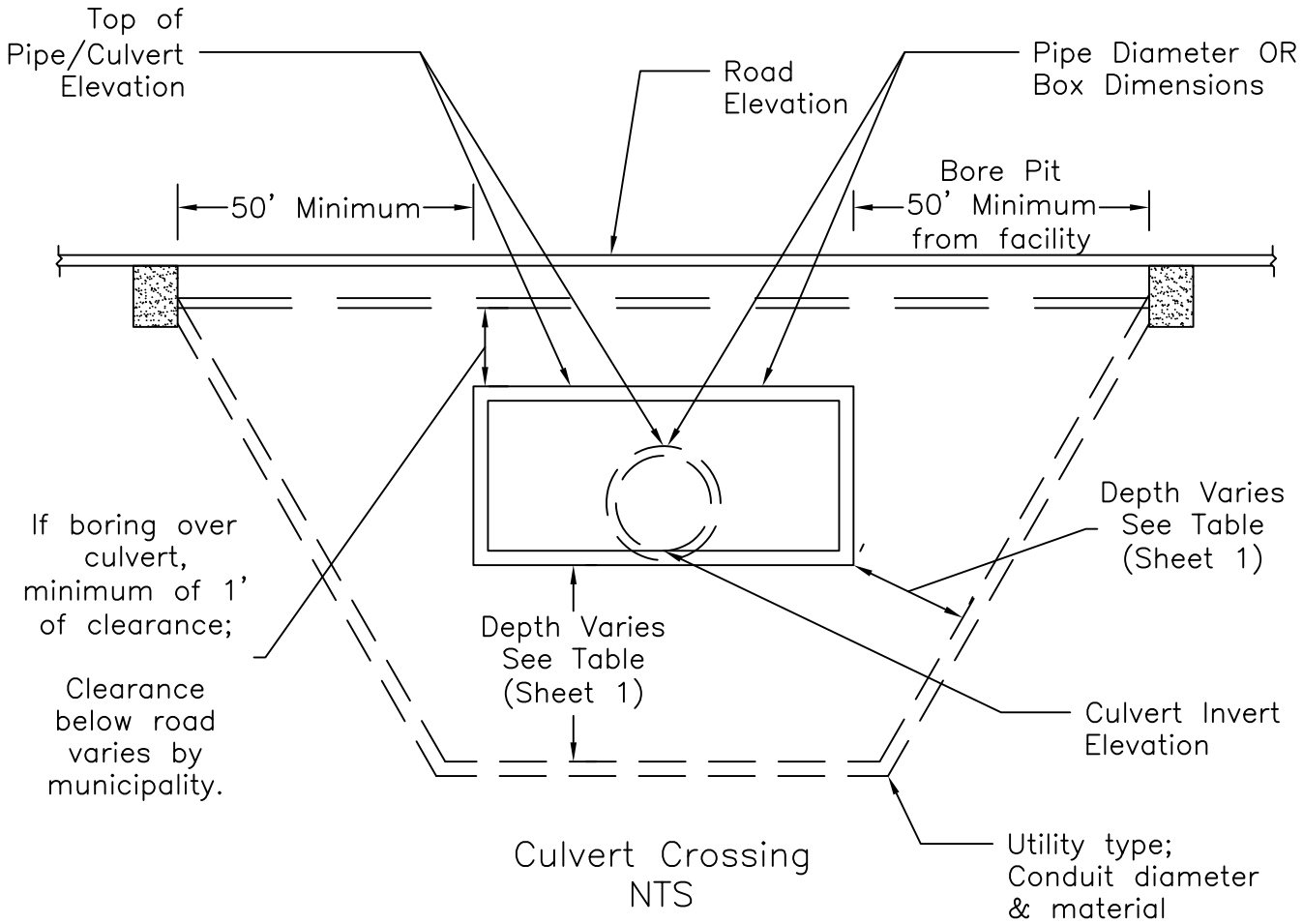
HORIZONTAL DIRECTIONAL DRILLING ON FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 03

REV. 04-20-2025



Open Channel Crossing
NTS



Culvert Crossing
NTS

SALT LAKE COUNTY FLOOD CONTROL

HORIZONTAL DIRECTIONAL DRILLING ON FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 03
SHEET 2 OF 2

REV. 04-20-2025

APPLICANT INSTRUCTIONS

Materials, construction, and workmanship shall be in accordance with the current edition of "APWA Manual of Standard Specifications" addendums, and modifications thereto; and as directed by Salt Lake County Flood Control Engineering. Reference to specific sections of APWA does not limit requirements to that section.

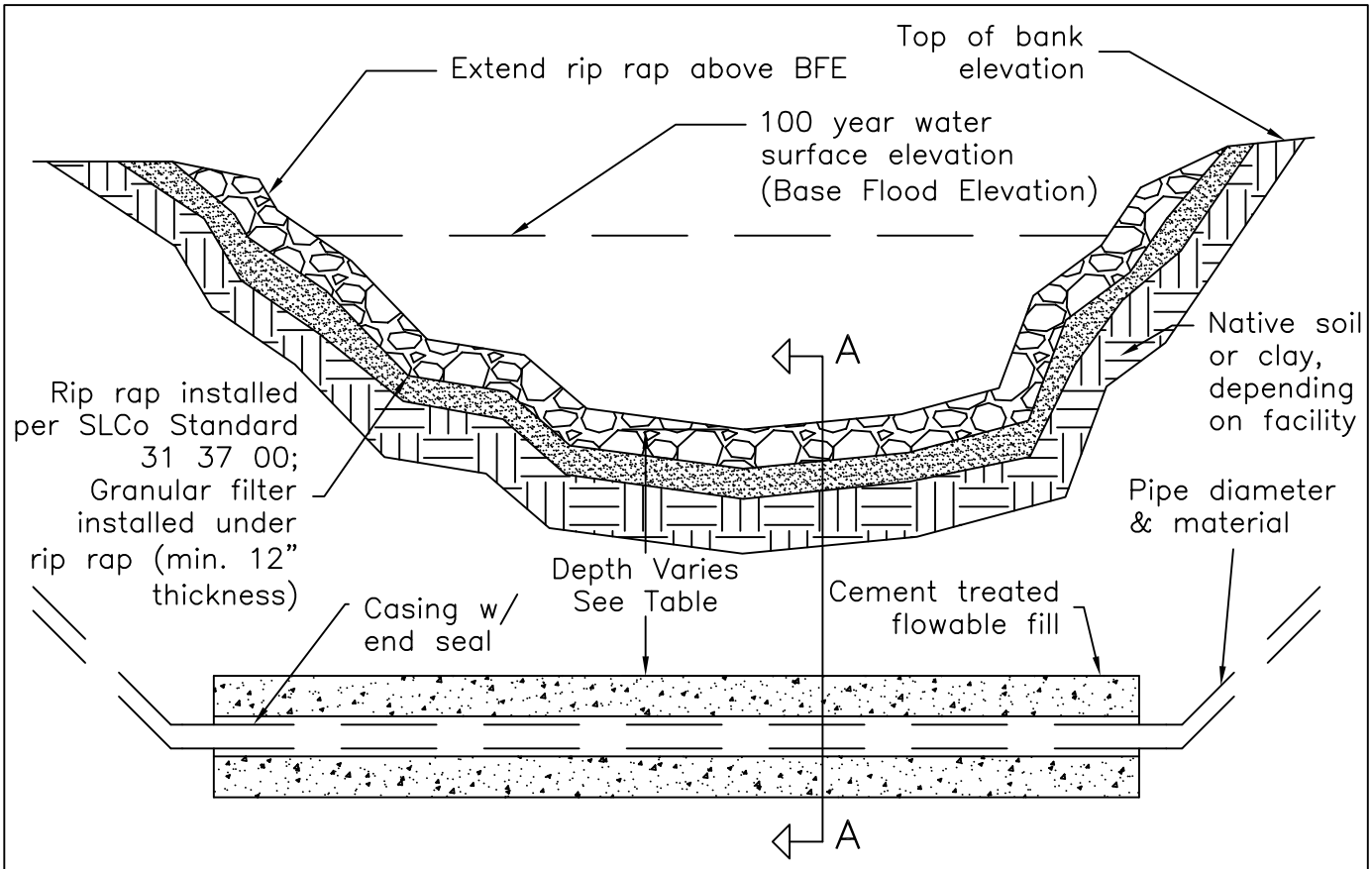
1. Do not resubmit this cross section with application. Please show existing and post installation cross section at crossing location.

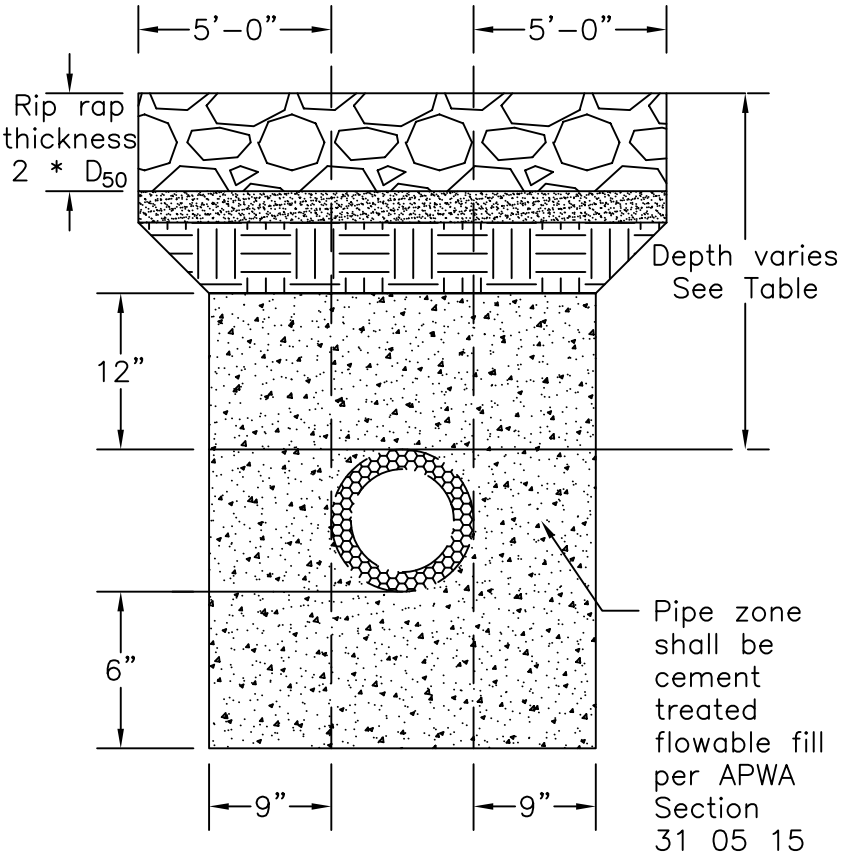
2. Installation within a regulatory floodway must include a "No–Rise" certification and supporting analysis in accordance with 44 CFR 60.3(d)(3) – Floodway Requirement.

3. Label base flood elevation, channel invert elevation, top of bank(s) elevation, pipe diameter, and pipe material.

4. Submit rip rap sizing calculations for the 100–year flows/velocities of the canal, creek, or river.

5. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for the open trench utility installation.





Section A–A
NTS

MINIMUM CLEARANCE REQUIRED	
FLOOD CONTROL FACILITY	DRY SEASON DEPTH
Jordan & Salt Lake Canal	5'–0"
East Jordan Canal	5'–0"
North Jordan Canal	15'–0"
South Jordan Canal	5'–0"
Utah & Salt Lake Canal*	5'–0"
Utah Lake Distributing Canal	5'–0"
Riter Canal	5'–0"
Jordan River	15'–0"
Flood Control Creeks	5'–0"
Surplus Canal**	50'–0"
*The Utah & Salt Lake Canal requires a concrete apron from top of bank to top of bank. Contact canal company for more details.	
**Installation of utilities on the Surplus Canal is a minimum of 50 feet. More details and information will be required by the US Army Corps of Engineers	
OPEN TRENCH UTILITY INSTALLATION ON CANALS IS PROHIBITED DURING IRRIGATION SEASON	

SALT LAKE COUNTY FLOOD CONTROL

OPEN TRENCH UTILITY INSTALLATION

STANDARD PLAN
FC 04
SHEET 1 OF 2

REV. 04-20-2025

APPLICANT INSTRUCTIONS

1. Do not resubmit this detail with application. Please show the surveyed cross section at the project location.

2. This stream bank repair/revetment is comprised of logs and other woody material constructed to restore the toe of a stream bank. Stacked, coir wrapped sod mats and transplanted container stock are used to prevent stream bank erosion.

3. Surveyed control points shall be required to establish that toe wood and sod mats are accurately installed as specified by the design engineer. Label base flood elevation, channel invert elevation, and top of bank(s) elevation.

4. Contractor shall use logs, trunks with roots, branches, and woody debris collected from on-site sources (such as material cut from project access). Material shall be used to construct the toe wood and root ball structures. Dimensions of suitable material shall be verified in the field.

5. The stream banks above the toe wood structures shall be formed from stacked, coir wrapped sod mats with live stakes or transplanted container stock that are similar to native vegetation within the project site. All plant species, including live stakes, container stock, and seed application should be in accordance with the Native Plant List that is outlined in the Salt Lake County Watershed Restoration & Planning Stream Care Guide.

6. Live stakes, if specified, shall be of the size specified by the field engineer and placed in accordance with the pattern and spacing designated by the designer. Additional information regarding live staking shall be added to the submitted detail or shown on a separate site plan and referenced herein. Live stakes shall be installed after the installation of toe wood, root balls, and coir wrapped sod mats.

7. As an option, twine as specified by the designer, may be used to secure the sod mats to the anchor stakes to prevent floatation of the sod mats during high flows prior to root establishment. If live stakes or container stock are not specified, other options may be used to secure the sod mats. The designer shall specify the materials, size, and spacing of live stakes or container stock and submit that planting list with the application.

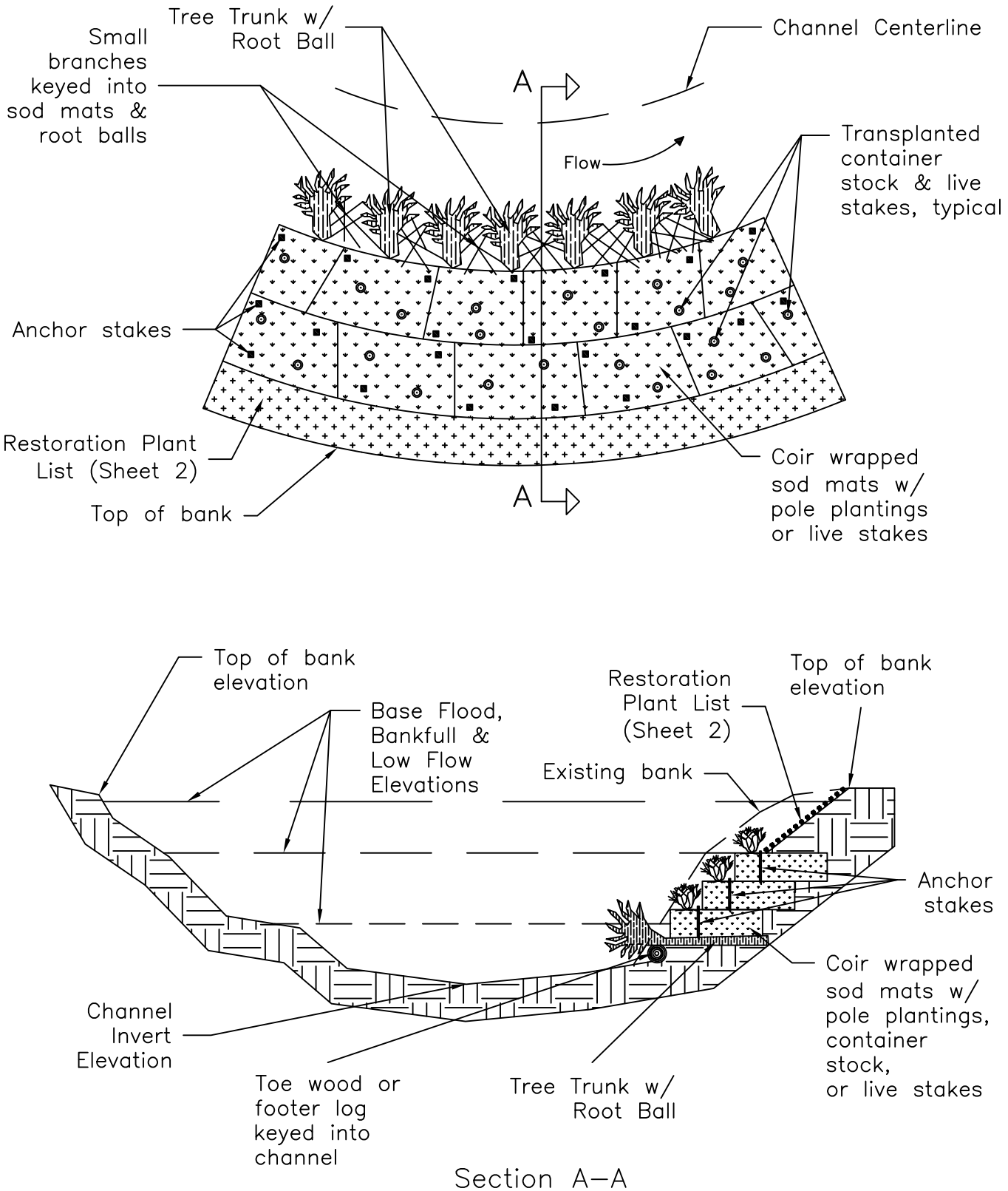
APPLICANT INSTRUCTIONS (CONTINUED)

8. If the existing top of bank is higher than the bankfull stage additional stabilization activities above installation of the stacked coir wrapped sod mats shall be added to this detail or detailed separately in the site plan or referenced herein.

9. The drawing on Sheet 2 is intended to be general in nature, but shows the overall conceptual requirements for stream bank bioengineering on flood control facilities.

Restoration Plant List (Example)	
Asclepias speciosa	Showy Milkweed
Cleome serrulata	Rocky Mountain Bee Plant
Echinacea purpurea	Purple Cone Flower
Elymus glaucus	Blue Wild Rye
Gaillardia aristata	Indian Blanket Flower
Linum lewisii	Lewis' Blue Flax
Pascopyrum smithii	Western Wheat Grass
Penstemon strictus	Rocky Mountain Penstremon
Ratibida columnifera	Mexican Hat

This example is only meant to define the minimum information required for a Salt Lake County Flood Control Permit. The example is not meant to represent a standard design method and shall not be used as such.



Section A–A
NTS

This figure is only meant to define the minimum information required for a Salt Lake County Flood Control Permit. The figure is not meant to represent a standard design method and shall not be used as such.

SALT LAKE COUNTY FLOOD CONTROL

STREAM BANK BIOENGINEERING ON FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 05
SHEET 3 OF 3

REV. 04-20-2025

APPLICANT INSTRUCTIONS

1. Do not resubmit this detail with the application. Please show the surveyed cross section at the project location. Additional information about plant species and methods of installation can be found in Salt Lake County Watershed Restoration & Planning Stream Care Guide (Stream Care Guide).

2. Plant materials shall be installed using a variety of methods as specified by the design engineer and may include one or more of the following:
   - 2.a. Seeding
   - 2.b. Plugs
   - 2.c. Containers
   - 2.d. Transplants (including wetland sod mats, live stakes, or division)

3. Read or consult tables on Sheet 3, NRCS Plant Guides, Stream Care Guide, or nursery/wholesaler specifications for species, full size at maturity, application rate, and/or spacing requirements for each installation method.

4. Depending upon local availability and cost, species substitutions may be acceptable. All substitutions (including pre-packaged seed mixes) shall be submitted to the County at least one week prior to the installation and shall be in accordance with the recommendations contained within the Stream Care Guide.

5. Seeds, live stakes, container stock, and transplants of native plant species shall be obtained from the local area or watershed. Plant materials may be harvested from local sites, reference reaches, or obtained from local nurseries. If materials are harvested by the contractor, positive identification of the species must be verified, documented, and approved by both the County and/or harvest site property owner. Any changes to the methods or materials need to be documented and approved by the County.

6. Plant materials shall be handled with care at all times including harvesting, packing, delivery, unloading, transporting to the project site, and installation. Plants shall be protected from disturbance from on-going construction activities after installation from with flagging, fencing, or notification to work crews.

7. The installation and maintenance of plantings, including but not limited to irrigation, weed control, and/or pest control is the responsibility of the applicant. Salt Lake County Flood Control is not responsible for landscape maintenance.

8. If stream bank stabilization (i.e., toe wood, boulders, brush mattresses, fascines, etc.) is being proposed in addition to planting, the design engineer shall provide those details with application.

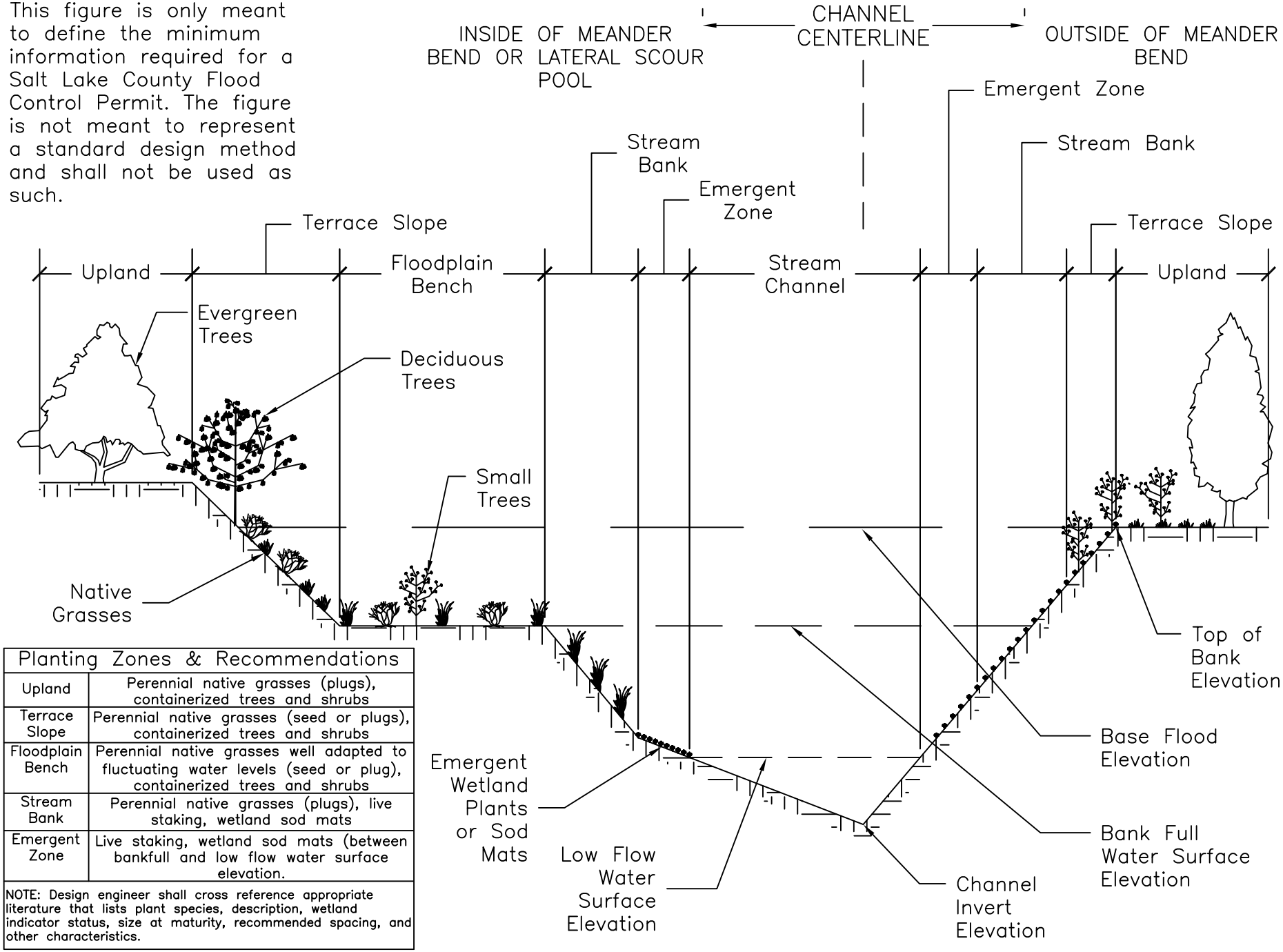
SALT LAKE COUNTY FLOOD CONTROL

GENERAL PLANTING PLAN ON FLOOD CONTROL FACILITIES

STANDARD PLAN FC 06

SHEET 2 OF 3

This figure is only meant to define the minimum information required for a Salt Lake County Flood Control Permit. The figure is not meant to represent a standard design method and shall not be used as such.



Planting Zones & Recommendations	
Upland	Perennial native grasses (plugs), containerized trees and shrubs
Terrace Slope	Perennial native grasses (seed or plugs), containerized trees and shrubs
Floodplain Bench	Perennial native grasses well adapted to fluctuating water levels (seed or plug), containerized trees and shrubs
Stream Bank	Perennial native grasses (plugs), live staking, wetland sod mats
Emergent Zone	Live staking, wetland sod mats (between bankfull and low flow water surface elevation.

NOTE: Design engineer shall cross reference appropriate literature that lists plant species, description, wetland indicator status, size at maturity, recommended spacing, and other characteristics.

REV. 04-20-2025

Example Trees and Shrubs			
Species Name	Common Name	Wetland Indicator Status (USACE)	Size
Populus angustifolia	Narrow Leaf Cottonwood	FACW	5 Gallon
Amelanchier alnifolia	Saskatoon Service Berry	FACU	3 Gallon
Crataegus douglasii	Douglas Hawthorn	FAC	3 Gallon
Cercocarpus ledifolius	Curl–leaf Mountain Mahogany	UPL	5 Gallon
Cronus sericea	Red–osier Dogwood	FACW	3 Gallon, Live Stakes
Rosa woodsii	Woods Rose	FACU	3 Gallon, 1 Gallon
Lonicera involucrata	Twinberry Honeysuckle	FAC	1 Gallon, Live Stakes
Ribes aureum	Golden Currant	FAC	1 Gallon
Salix amygdaloides	Peach Leaf Willow	FACW	3 Gallon, Live Stakes

Example Grasses, Sedges, and Rushes			
Species Name	Common Name	Wetland Indicator Status (USACE)	Application
Aristida purpurea	Purple Three Awn	UPL	Seed, Plugs
Schoenoplectus acutus	Hardstem Bulrush	OBL	Sod Mats
Carex nebrascensis	Nebraska Sedge	OBL	Plugs, Sod Mats
Distichlis spicata	Inland Saltgrass	FAC	Seed, Plugs
Elymus glaucus	Blue Wild Rye	FACU	Seed
Juncus arcticus	Baltic Rush	FACW	Plugs, Sod Mats
Juncus torreyi	Torrey's Rush	FACW	Plugs
Pseudoroegneria spicata	Blue Bunch Wheat Grass	UPL	Seed, Plugs
Sporobolus airoides	Alkali Sacaton	FAC	Seed, Plugs

This example is only meant to define the minimum information required for a Salt Lake County Flood Control Permit. The example is not meant to represent a standard design method and shall not be used as such.

SALT LAKE COUNTY FLOOD CONTROL

GENERAL PLANTING PLAN ON FLOOD CONTROL FACILITIES

STANDARD PLAN
FC 06
SHEET 3 OF 3

REV. 04-20-2025

SALT LAKE COUNTY

ENGINEERING

STANDARDS & DRAWINGS

GREATER SALT LAKE
Municipal Services District

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