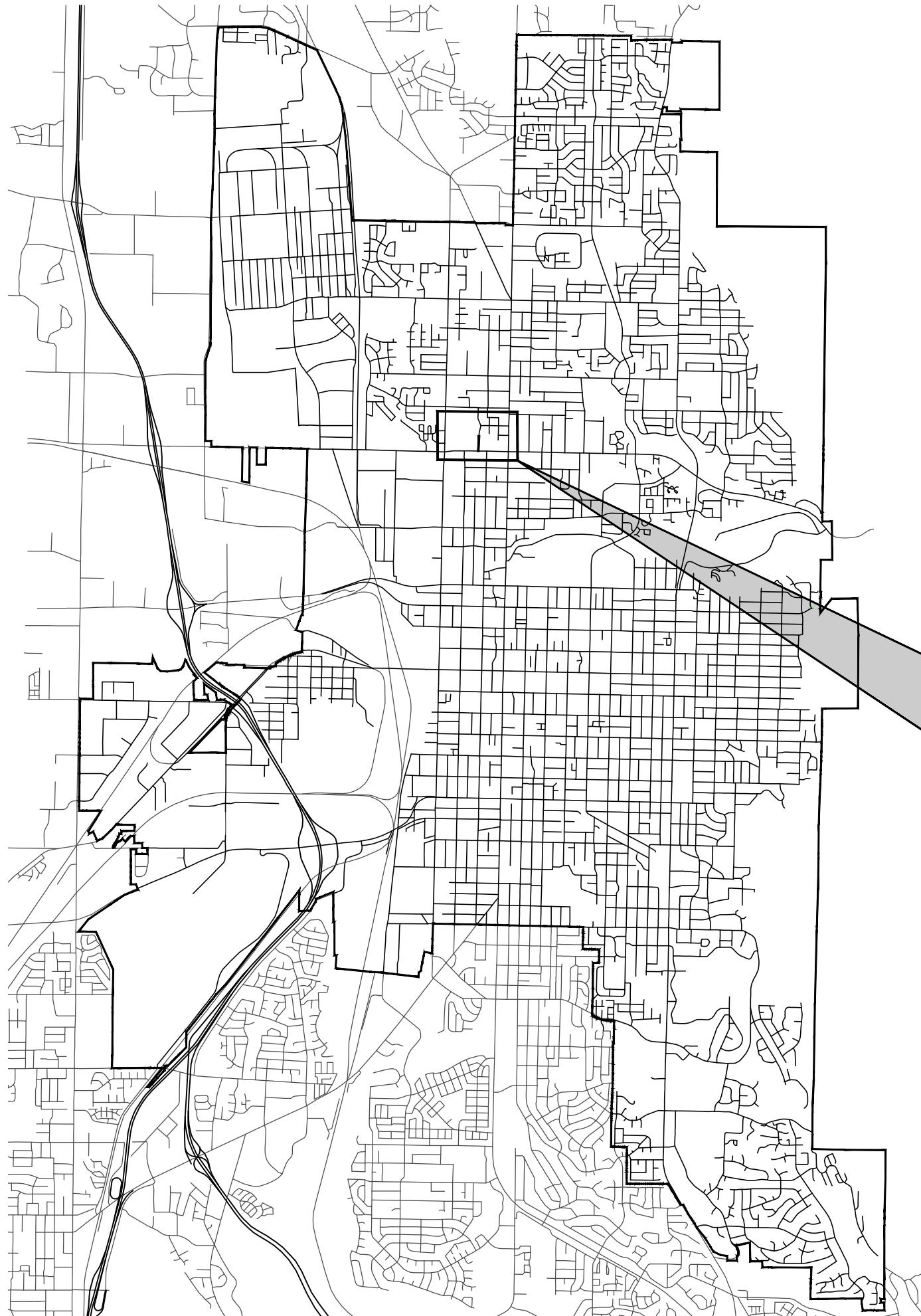


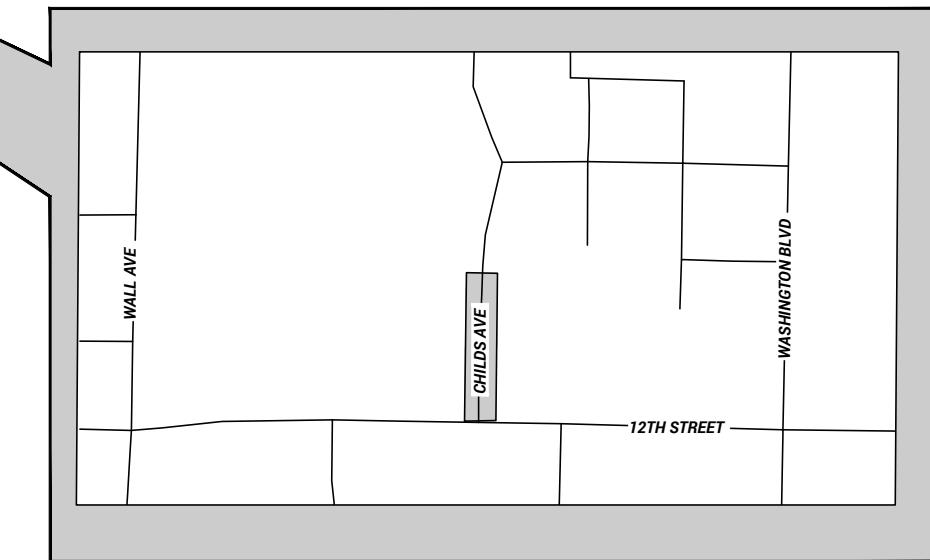
Ogden City Engineering

CHILDS AVE & 12TH ST STORM PROJECT

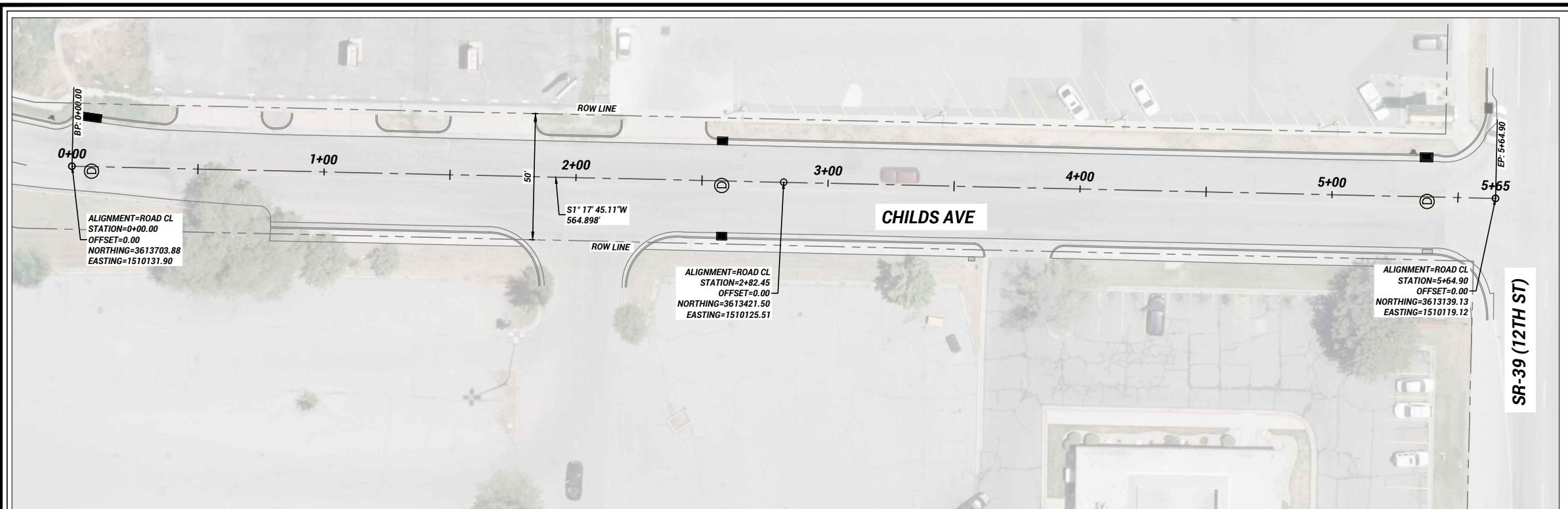


SHEET INDEX

Pg	TITLE	DESCRIPTION
1	G1	TITLE SHEET
2	SC1	SURVEY CONTROL/NOTES
3	SD1	STORM PLAN & PROFILE
4	DT1	DETAILS
5-6	DT2-3	UDOT DETAILS



G1		0	REVISION
SHEET	1		
PROFESSIONAL ENGINEER No. 38000432-220 BRADLEY, J. 5/4/25			
DESIGNED DRAWN CHECKED	P.J.S P.J.S	DATE 2/5/2025	
DRAWING SCALE H: NONE (22x34) This has measures V: NONE (22x34) on one inch NONE (11x17) in the original drawing			
TITLE SHEET CHILD'S AVE & 12TH ST STORM PROJECT Childs Ave & 12th St DRAWING NAME: G1 Title Sheet.dwg PLOT DATE: 3/4/2025 11:04 AM DRAFTING: G1 Title Sheet.dwg 2549 Washington Blvd, Suite 760 Ogden, UT 84401 Phone: 801-629-8980 engineering.ogdenity.com			



SC1
2 0
REVISION

NOTES:

1. THE HORIZONTAL DATUM TO BE USED IS THE NAD 83 STATE PLANE UTAH NORTH ZONE GRID
2. THE VERTICAL DATUM TO BE USED IS NAVD 88 USING GEODETIC 12A.

REV 0	DATE	DESCRIPTION
0	MM/DD/YY	DESCRIPTION
PROFESSIONAL ENGINEER		
No. 9800042-220		
BRADLEY, J.		
5/4/25		
STATE OF UTAH		
DESIGNED DRAWN CHECKED	P.J.S. P.J.S.	DATE DATE DATE
DRAWING SCALE		
H: T= 25' (22x34) T= 50' (11x17)		
V: T= 5' (22x34) T= 10' (11x17)		

This drawing measures one inch on the original drawing.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF THE "MANUAL OF STANDARD SPECIFICATIONS" AND "MANUAL OF STANDARD PLANS" PREPARED BY THE UTAH CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND OGDEN CITY AMENDMENTS TO SUCH STANDARD SPECIFICATIONS AND STANDARD PLANS UNLESS SPECIFIED OTHERWISE.

2. THE CONTRACTOR SHALL FULLY COMPLY WITH THE CONDITIONS OF THE UDOT PERMIT AND/OR OGDEN CITY ORDINANCES, POLICIES, REGULATIONS, SPECIFICATIONS AND STANDARDS RELATIVE TO WORK IN THE PUBLIC WAY AS APPLICABLE.

3. ALL EXISTING VALVES BEING ABANDONED SHALL HAVE SURFACE IMPROVEMENTS (RISER, COVER, AND CONCRETE COLLAR) REMOVED AND SURFACE REPAIRED.

4. ALL PAVING AND RESURFACING SHALL BE COMPLETE WITHIN 3 CALENDAR DAYS FROM THE TIME OF EXCAVATION UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

5. NO BACKFILL SHALL OCCUR UNTIL INSPECTED AND APPROVED.

6. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS DURING ALL PHASES OF PROJECT.

7. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITH DILIGENCE AND EXPEDITION AND RESTORE THE PUBLIC RIGHT OF WAY TO CITY SPECS WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE PUBLIC.

8. CONTRACTOR IS RESPONSIBLE TO RESTORE ALL LAND WHETHER PUBLIC OWNERSHIP OR PRIVATE OWNERSHIP, TO ITS ORIGINAL STATE.

9. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY CONSTRUCTION FACILITIES, WATER, POWER, SANITATION, AND TELEPHONE SERVICE AS NEEDED.

10. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL EXISTING WATER, SEWER, ELECTRICAL, GAS AND OTHER UTILITY LINES.

11. CONTRACTOR IS RESPONSIBLE TO SUBMIT AS-BUILT DRAWINGS TO THE CITY PRIOR TO FINAL PAYMENT.

12. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING COMPLETION OF WORK. REASONABLE WEAR EXCEPTED.

EXCAVATION NOTES

1. EXCAVATED MATERIAL MAY NOT BE USED AS BACKFILL IN THE PIPE ZONE.

2. EXCAVATION SHALL BE DONE IN ACCORDANCE WITH OSHA REQUIREMENTS (LATEST REVISION).

3. TEMPORARY SHORING OF THE EXCAVATION, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

COORDINATION

1. ALL STORM PIPE MUST BE CLEANED AND CCTV INSPECTED, AND DELIVER CCTV FOOTAGE TO THE CITY PROJECT MANAGER BEFORE ASPHALT IS INSTALLED.

2. IF ANY WATERLINE SHUT DOWNS ARE NEEDED, THEN WE REQUIRE A FIVE WORKING DAYS NOTICE FOR COMMERCIAL AND THREE WORKING DAYS NOTICE FOR RESIDENTIAL. CONTRACTOR IS TO COORDINATE WITH OGDEN CITY FOR SHUT DOWN DATES AND TIMES. CONTRACTOR WILL PROVIDE NOTICES AND OGDEN CITY WATER WILL PERFORM VALVE SHUT DOWNS.

3. APPLICATION FOR INSPECTION BY OGDEN CITY ENGINEERING SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF 24 HOURS BEFORE SERVICES ARE REQUIRED.

PIPING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL PIPE FABRICATION AND SIZING (RCP CLASS 3 MINIMUM).

2. MINIMUM COVER REQUIRED SHALL BE 48 INCHES IN OGDEN CITY R.O.W.

3. ALL WORK SHALL HAVE 18" MINIMUM CLEARANCE FROM ALL OTHER UTILITIES.

4. ABANDONED STORM PIPES SHALL BE EITHER REMOVED OR CAPPED WITH A CONCRETE PLUG.

UTILITY LOCATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS BASED ON INFORMATION GATHERED FROM UTILITIES AND/OR FROM ABOVE-GROUND STRUCTURES OR EVIDENCE FOUND AT THE TIME OF SURVEY. AS SUCH, THE UNDERGROUND INFORMATION IS A BEST ESTIMATE. OGDEN CITY DOES NOT REPRESENT OR GUARANTEE THAT THE UNDERGROUND INFORMATION PROVIDED IS CORRECTLY OR UP TO DATE.

IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. CALL BLUESTAKES A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY DIGGING OR UTILITY WORK.

NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY THE CONTRACTORS ACTIONS.

UDOT GENERAL NOTES

1. All construction within the UDOT right-of-way shall conform to the most current UDOT standard (including supplemental) drawings and specifications.

2. The contractor is to obtain an encroachment permit from the applicable UDOT Region Permit office prior to commencing work within UDOT right-of-way. Working hour limitations will be listed in the limitations section of the encroachment permit.

3. UDOT reserves the right, at its option, to install a raised median island or restrict the access to a right-in or right-out at any time.

4. Owner, developer, and contractor are responsible for any damages directly or indirectly within the UDOT right-of-way as a result of development activities.

5. Owner, developer, and/or contractor is required to hire an independent company for all testing within the UDOT right-of-way.

6. All signs installed on the UDOT right-of-way must be high intensity grade (Type XI sheeting) with a B3 slip base. Install all signs per UDOT SN series Standard Drawings.

7. Comply with the requirements of Utah Code 17-23-14 (Disturbed Corners – County surveyor to be notified – Coordination with certain state agencies).

EXCESS MATERIAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIALS OFF SITE. THIS INCLUDES CLEARED AND GRUBBED MATERIAL, TREES, BRUSH, FENCING, PIPING, CONCRETE OR ANY OTHER MATERIALS THAT CANNOT BE USED IN CONJUNCTION WITH THE PROJECT.

2. THE CONTRACTOR WILL BE RESPONSIBLE TO OBTAIN A SUITABLE SITE FOR DISPOSAL OF EXCESS OR REJECTED MATERIALS.

CONTACTS

UTILITY COMPANIES:

BLUE STAKES 800-662-4111
QUESTAR GAS DAN MACDONALD 801-324-3539
ROCKY MOUNTAIN POWER CRAIG BRUESTLE 801-629-4430
UDOT WES EGGLESTON 801-648-8050
OGDEN CITY:
OGDEN CITY ENGINEERING PHIL SUITER 801- 629-8971
WATER TED BULLOCK 801-629-8363
SEWER BILL SIMPSON 629-8331
URBAN FORESTER DAMIEN REEVES 801-629-8369
UDOT:
GENERAL NUMBER: 801-620-1600

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EXCESS MATERIAL NOTES

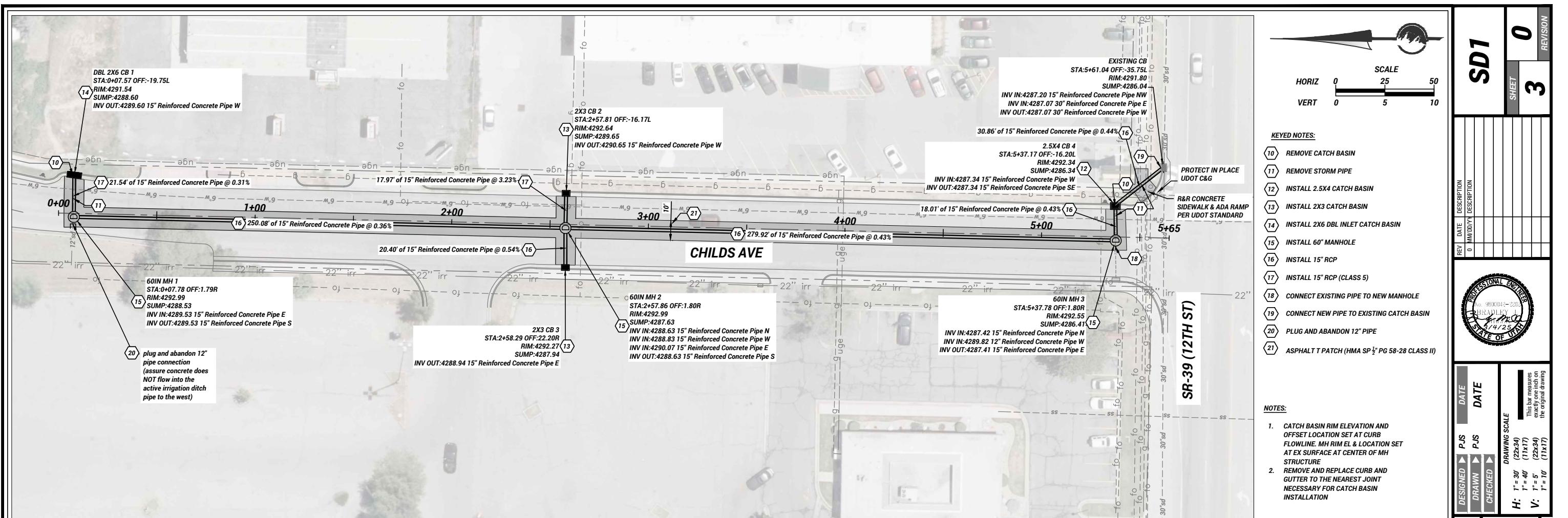
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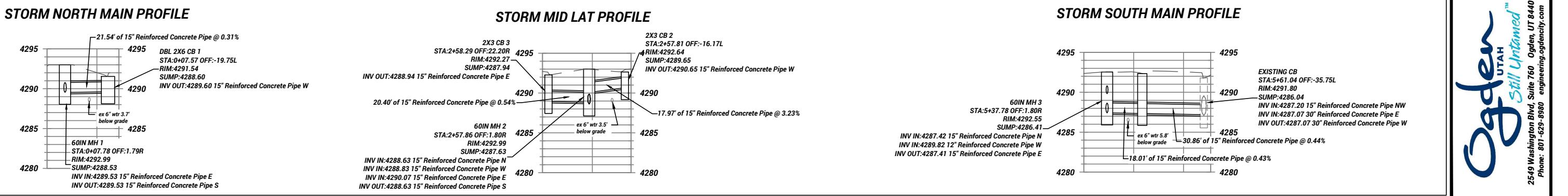
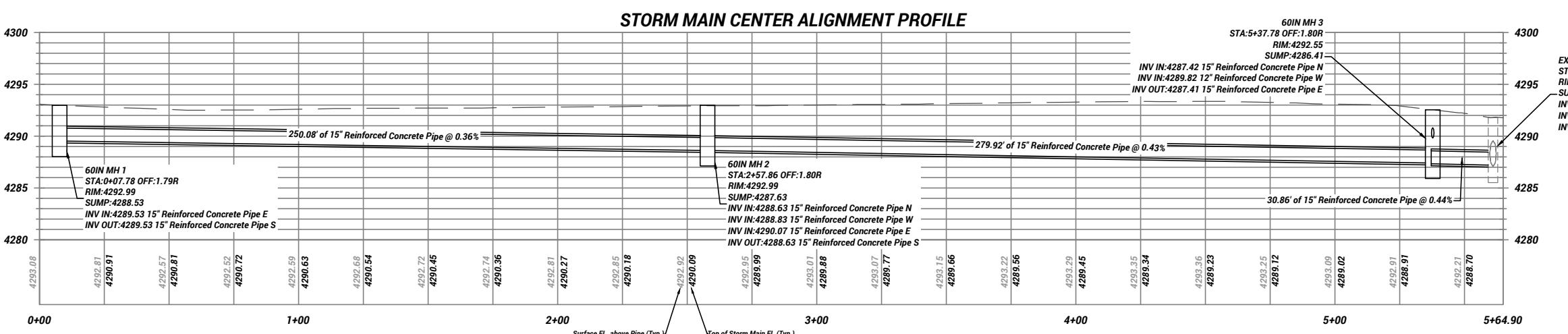
CONTACTS

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WATER TED BULLOCK 801-629-8363
SEWER BILL SIMPSON 629-8331
URBAN FORESTER DAMIEN REEVES 801-629-8369
UDOT:
GENERAL NUMBER: 801-620-1600



STORM
CHILD'S & 12TH ST STORM PROJECT
Childs Ave & 12th St
DRAWING NAME: Childs Avenue - 12th St 2024.dwg
PLOT DATE: 4/8/2025 3:16 PM



SD1
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3
0
REVISION

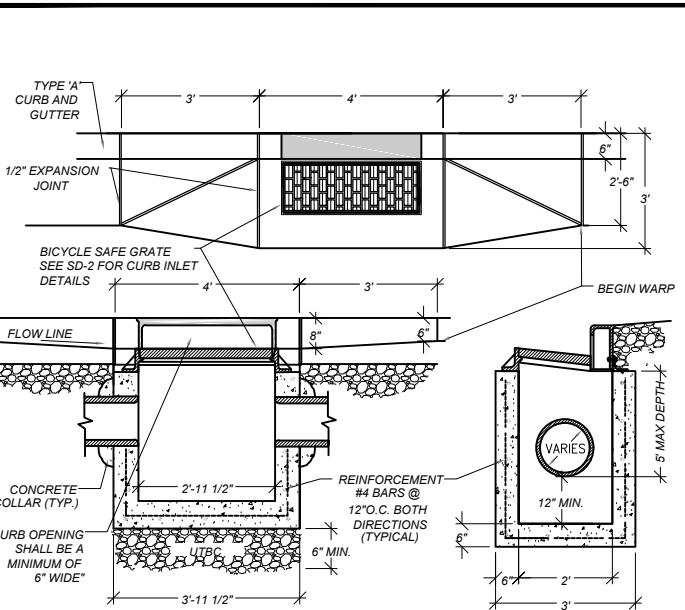
REV. DATE
0 MM/DD/YY
DESCRIPTION
KEYED NOTES:
10 REMOVE CATCH BASIN
11 REMOVE STORM PIPE
12 INSTALL 2.5X4 CATCH BASIN
13 INSTALL 3X3 CATCH BASIN
14 INSTALL 2X6 DBL INLET CATCH BASIN
15 INSTALL 60" MANHOLE
16 INSTALL 15" RCP
17 INSTALL 15" RCP (CLASS 5)
18 CONNECT EXISTING PIPE TO NEW MANHOLE
19 CONNECT NEW PIPE TO EXISTING CATCH BASIN
20 PLUG AND ABANDON 12" PIPE
21 ASPHALT T PATCH (HMA SP 1/2 PG 58-28 CLASS II)

NOTES:

1. CATCH BASIN RIM ELEVATION AND OFFSET LOCATION SET AT CURB FLOWLINE. MH RIM EL & LOCATION SET AT EX SURFACE AT CENTER OF MH STRUCTURE
2. REMOVE AND REPLACE CURB AND GUTTER TO THE NEAREST JOINT NECESSARY FOR CATCH BASIN INSTALLATION

This measure
exists in
the original
drawing

H: T = 30' (22x34)
T = 40' (11x17)
V: T = 5' (22x34)
T = 10' (11x17)



NOTES

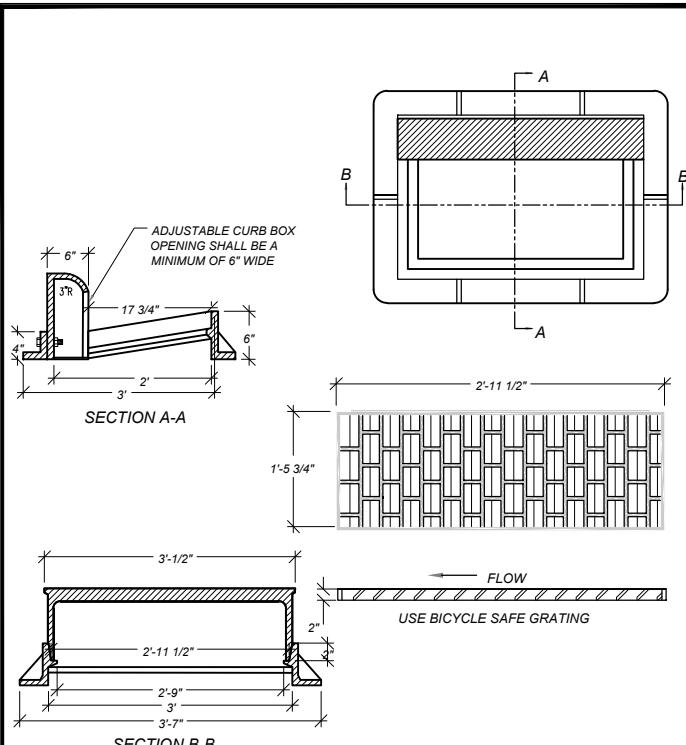
1. COMPACT BASE COURSE AND BACKFILL PER APWA SECTION 31 23 26 TO A DENSITY OF 95 PERCENT. MAXIMUM LIFT THICKNESS IS 8" BEFORE COMPACTION.
 - 1.1. BACKFILL PROVIDE AND PLACE PER APWA SECTION 31 23 23 ON ALL SIDES OF THE BASIN.
 - 1.2. PROVIDE BASE COURSE MATERIAL PER APWA SECTION 32 11 23. PLACE MATERIAL PER APWA SECTION 31 23 23.
2. REINFORCEMENT SHALL BE PER ASTM A 615, GRADE 60, DEFORMED STEEL.
3. CONCRETE SHALL BE CLASS 4000 PER APWA SECTION 03 30 04. PLACE CONCRETE PER APWA SECTION 03 30 10. CURE PER APWA SECTION 03 39 00. PRECAST CATCH BASINS ARE ACCEPTABLE.
4. CURB FACE OPENING SHALL BE AT LEAST 6" DROP. PROVIDE A 2" DROP BETWEEN THE BEGIN WARP' LINE IN THE GUTTER AND THE TOP OF THE GRATE AT THE CURB OPENING.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS CATCH BASIN WITH CURB INLET SD-1		
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 1 2025

NOTES.

1. COMPACT BACKFILL AND BASE COURSE PER APWA SECTION 31 23 26 TO A DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS BEFORE COMPACTION IS 8" WHEN USING RIDING AND 6" WHEN USING HAND COMPACTION EQUIPMENT.
 - 1.1. BACKFILL: PROVIDE AND PLACE PER APWA SECTION 31 23 23 ON ALL SIDES OF THE BASIN.
 - 1.2. PROVIDE UNTREATED BASE COURSE MATERIAL PER APWA SECTION 32 11 23. PLACE MATERIAL PER APWA SECTION 31 23 23.
 - 1.3. SEWER ROCK (ASTM No. 4) WITH SEPARATION FABRIC IS ACCEPTABLE FOR MANHOLE BEDDING.
2. REINFORCEMENT SHALL BE PER ASTM A 615, GRADE 60, DEFORMED STEEL. REFER TO APWA 03 20 00.
3. CONCRETE SHALL BE PER CLASS 4000 PER APWA SECTION 03 30 04. PLACE CONCRETE PER APWA SECTION 03 30 10. CURE PER APWA SECTION 03 39 00.
4. STATIONING AND ELEVATIONS SHOWN ON THE DRAWING SHOULD MATCH THE CENTERLINE OF THE MANHOLE.
 - 4.1. INV IN: (FLOW LINE IN) ELEVATION APPLIES TO THE POINT OF INTERSECTION OF THE INLET PIPE INVERT AND THE MANHOLE WALL.
 - 4.2. INV OUT: (FLOW LINE OUT) ELEVATION APPLIES TO THE POINT OF INTERSECTION OF THE OUTLET PIPE INVERT AND THE MANHOLE WALL.
5. LOW PROFILE MANHOLE LIDS WILL NOT BE ALLOWED IN ANY OGDEN CITY RIGHT OF WAY.
6. LADDER RUNGS ARE REQUIRED IN ALL BOXES. SEE SS-6 FOR TYPICAL MANHOLE STEP REQUIREMENTS.
7. GROUT ALL PIPE OPENINGS WITH 2:1 SAND/CEMENT MORTAR.
8. PLACE FLEXIBLE GASKET-TYPE SEALANT IN ALL MANHOLE JOINTS. SEAL MUST MEET THE REQUIREMENTS OF SS-S-00210 (210A), AASHTO M-198, AND ASTM C990.
9. PRECAST CONCRETE WALLS MUST BE A MINIMUM OF 5" THICK.
10. CAST-IN-PLACE CONCRETE MUST BE A MINIMUM OF 8" THICK.
11. THE INSTALLED PIPE SHALL BE PLACED SUCH THAT THE HORIZONTAL INSIDE DIAMETER OF THE PIPE INTERSECTS THE INSIDE FACE OF THE RISER.
12. PROVIDE A SMOOTH AND NEAT FINISH ON THE INTERIOR OF THE CONES, SHAFT, RINGS, AND FLOOR. IMPERFECT WORK IS NOT ALLOWED.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS
STORM DRAIN MANHOLE (PRECAST) **SD-4**

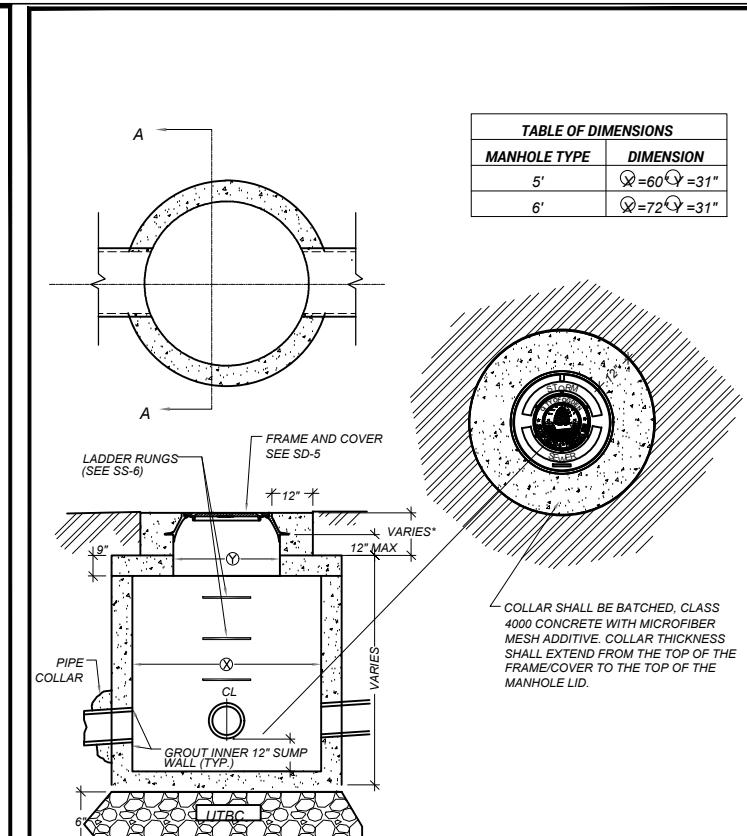


NOTES:

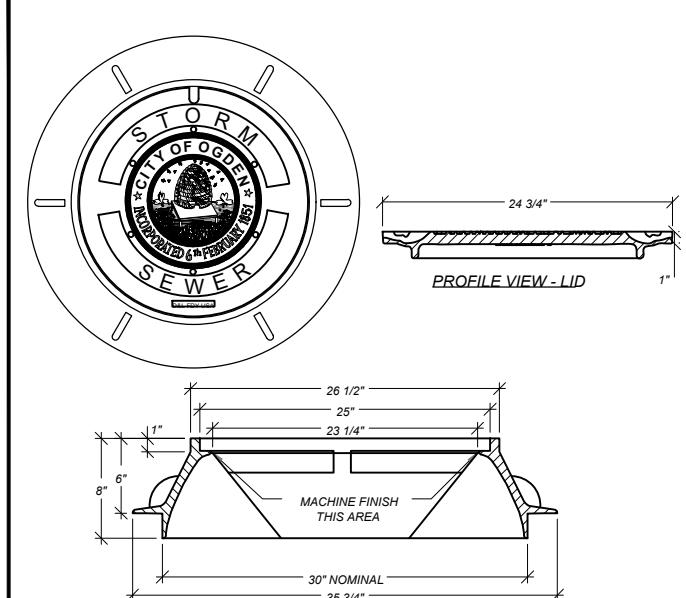
1. CASTING: GREY IRON CLASS 35 MINIMUM PER ASTM A 48.
2. COATINGS: EXCEPT MACHINED SURFACES, COAT ALL METAL PARTS WITH ASPHALTUM PAINT.
3. USE STAINLESS STEEL BOLTS, NUTS, AND WASHERS.
4. SEE SD-1 FOR INLET BOX DETAILS.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS

	35 1/2" GRATE AND FRAME WITH ADJUSTABLE CURB BOX	SD-2
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 1



OGDEN CITY ENGINEERING - STANDARD DRAWINGS	
	STORM DRAIN MANHOLE (PRECAST)
	SD-4
TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 2 2025

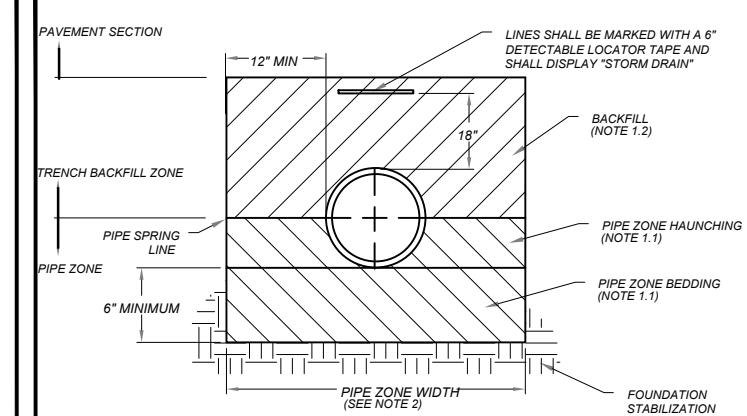


115/116

NOTES

1. CONTACT THE OGDEN CITY STORM WATER DIVISION FOR DETAILS AND ORDERING INFORMATION FOR SEWER L AND FRAME (801) 629-8331.
2. LOW PROFILE LIDS WILL NOT BE ALLOWED IN ANY OGDEN CITY RIGHT OF WAY.
3. CASTINGS: GREY IRON CLASS 35 MINIMUM PER ASTM A 48.
4. COATINGS:EXCEPT MACHINED SURFACES, COAT ALL METAL PARTS
5. HEAT NUMBER: PLACE FOUNDRY AND HEAT NUMBER ON THE INSIDE OF THE FRAME AND ON THE BOTTOM OF THE COVER.
6. SEE SD-3 FOR COMBINATION INLET / CLEANOUT BOX, SD-4 FOR STORM DRAIN MANHOLE DETAILS.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS
STORM DRAIN MANHOLE FRAME AND COVER **SD-5**
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 1



NOTE

1. DO NOT USE SEWER ROCK OR RECYCLED FILL MATERIAL IN THE PIPE ZONE WITHOUT THE APPROVAL OF THE CITY ENGINEER. IF MANUFACTURER RECOMMENDS ANYTHING CONTRARY TO WHAT IS LISTED BELOW, CONSULT WITH THE ENGINEERING DEPARTMENT.

 - 1.1. HAUNCHING/BEDDING: AGGREGATE BASE COURSE (UTBC) PER 32 11 23.
 - 1.1.1. WATER JETTING IS NOT ALLOWED.
 - 1.1.2. SUBMISSION OF COMPACTION TEST DATA FOR THE HAUNCHING AREAS MAY BE REQUESTED AT ANY TIME.
 - 1.2. BACKFILL (ABOVE THE PIPE ZONE): IMPORT STRUCTURAL FILL (3" MINUS PER APWA 31 05 13 OR UTBC PER 32 11 23).
 - 1.2.1. COMPACT PER SECTION 31 23 26 TO A DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS BEFORE COMPACTION IS 8" WHEN USING RIDING AND 6" WHEN USING HAND COMPACTION EQUIPMENT.
2. PIPE ZONE WIDTH IS RECOMMENDED BY THE MANUFACTURER OF THE PIPE. WIDTH OF PIPE ZONE IS MEASURED AT THE PIPE SPRING LINE AND INCLUDES ANY NECESSARY SHEATHING. FOLLOW MANUFACTURE RECOMMENDATIONS FOR ANY TRENCH BOX APPLICATIONS.
3. INSTALL THE PIPE IN THE CENTER OF THE TRENCH. THE EDGE OF THE PIPE WALL SHALL BE A MINIMUM DISTANCE OF 12" FROM THE TRENCH WALL.
4. PEA GRAVEL (GRAVEL WITH NOMINAL SIZE LESS THAN 3/4") IS NOT ALLOWED IN ANY PART OF THE TRENCH.
5. FOUNDATION STABILIZATION REQUIRES SEWER ROCK PER APWA SECTION 31 05 13.

 - 5.1. INSTALLATION OF STABILIZATION-SEPARATION GEOTEXTILE PER APWA SECTION 31 05 19 WILL BE REQUIRED TO SEPARATE BACKFILL MATERIAL AND NATURAL SUBGRADE MATERIAL IF SEWER ROCK CANNOT PROVIDE A WORKING SURFACE OR PREVENT SOIL MIGRATION.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS
STORM DRAIN PIPE ZONE **SD-6**

DT1		0	4	REVISION
		SHEET		
DESIGNED	PJS	DATE		
DRAWN	PJS	2/5/2025		
CHECKED				
		DRAWING SCALE		
4:	None	(22x34)	1:	None
		(11x17)		(22x34)
				(11x17)
<p>PROFESSIONAL ENGINEER No. 9000012-2025 BRADLEY L. 3/14/25</p> 				

STANDARD DRAWINGS

12TH ST STONE & 12TH

Childs Ave & 12th St

DATE: 01/10/00 11:04 AM
SUBMISSION NAME: Q1 T1A1 CH-1444

PLOT DATE: 3/4/2025 11:04 AM
DRAWING NAME: G1 Title Sheet.dwg

The logo for Ogden, UTAH features the word "Ogden" in a large, stylized, blue cursive font. To the right of "Ogden" is a smaller, blue rectangular box containing the word "UTAH". To the right of the box is the word "Still Untamed™" in blue, italicized, cursive text. To the right of "Still Untamed™" is a blue rectangular box containing the address "4449 Washington Blvd, Suite 760" and the phone number "801-629-8980". Below the address and phone number is the website "engineering.ogdenity.com".

REVISIONS

1	2025	REMOVED RAMP SLOPE STEEPENED TO MATCH EXISTING GRADE, DETAIL D
2	2025	ADDED SIDEWALK OR SLOPE GREATER THAN 8.5%
3	2025	ADDED SIDEWALK OR SLOPE GREATER THAN 8.5%
4	2025	ADDED SIDEWALK OR SLOPE GREATER THAN 8.5%
5	2025	ADDED SIDEWALK OR SLOPE GREATER THAN 8.5%

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

STANDARD DRAWING EDITION

2025 Standard Drawing

PEDESTRIAN ACCESS DETAILS

STANDARD DRAWING TITLE

DETAIL A

DETAIL B

DETAIL C

DETAIL D

DETAIL E

NOTES:

1. REFER TO STD DWG PA 1 FOR DIMENSION TABLE AND GENERAL NOTES.
2. SEE STD DWG PA 1, NOTE 6 FOR VERTICAL DIFFERENCE ALLOWANCES OR TREATMENTS.
3. FLARE AT A RATE EQUAL TO THE PANEL WIDTH IS USED TO TRANSITION FROM PA TO A PASSING SPACE. USE A 6:1 FLARE RATE TO A 6 FT SIDEWALK FOR EXISTING SIDEWALKS. USE A 1:1 FLARE RATE TO A 6 FT SIDEWALK FOR NEW SIDEWALKS. THESE SIDEWALKS PROHIBIT USE.
4. SIDEWALK WIDTH IS EXCLUSIVE OF THE WIDTH OF THE CURB. PROVIDE 4 FT X 4 FT PASSING SPACES AT 200 FT MAX INTERVALS WHERE SIDEWALK WIDTH IS LESS THAN 5 FT (PROWAG R920.3 - R920.4), DRIVEWAYS AND OTHER PAVED AREAS MAY BE USED AS A PASSING SPACE. SIDEWALK MINIMUM 5 FT WIDE AREA MEETING SIDEWALK REQUIREMENTS IS PROVIDED.
5. WHEN THE SIDEWALK OR STREET SLOPE IS GREATER THAN 8.3% AND THE 8.3% MAXIMUM RAMP RAMP SLOPE CAN NOT BE MET IN THE 4 FT SIDEWALK WIDTH, THE SIDEWALK MUST BE STEPPED. STEP UP TO THE NEXT EASIER SLOPE OR TO THE NEAREST FURTHER POINT BEYOND 20 FEET (PROWAG R920.2.2, R920.3.2). THIS WILL RESULT IN THE RAMP RUNNING SLOPE EXCEEDING THE 8.3% MAXIMUM RAMP SLOPE. TO AVOID THIS, ADJUST THE Curb HEIGHT WHERE THE SIDEWALK IS ATTACHED TO THE CURB AND GUTTER. ADJUST THE CURB HEIGHT TO MATCH THE SURFACE ELEVATION OF THE STEEPENED RAMP.
6. FOLLOWING THE FOLLOWING MINIMUM WIDTHS ARE REQUIRED FROM BACK OF CURB TO BACK OF SIDEWALK OR STREET SURFACE TO MEET GRADING REQUIREMENTS:
 - TYPE B1 CURB AND GUTTER: 7.67 FT
 - TYPE B2 CURB AND GUTTER: 9.75 FT
 - TYPE M2 CURB AND GUTTER: 5.00 FT

STD. DWG. NO. PA 3

2025 Standard Drawing

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY UTAH
STANDARD DRAWING EDITION

PERPENDICULAR AND MEDIAN REFUGE PEDESTRIAN ACCESS
STANDARD DRAWING TITLE

MIN CONSTRUCTABLE DIMENSIONS

CURB TYPE	SLOPE	MINIMUM DIMENSION (FT*)
B1-A	5%	11.6
B1-A	8.3%	5.2
B2-A	5%	19.2
B2-A	8.3%	7.2
M1-A	5%	5.75
M1-A	8.3%	2.3

* MIN LENGTHS ASSUME 2% SIDEWALK/PARK STRIP CROSS SLOPE

NOTES:

1. REFER TO STD DWG PA 1 FOR DIMENSION TABLE AND GENERAL NOTES.
2. REFER TO STD DWG PA 2 FOR DETECTABLE WARNING SURFACE DETAILS.
3. REFER TO STD DWG PA 3, DETAIL A FOR CLEAR SPACE DETAIL.
4. RAMPS SHOWN ON THIS DRAWING ARE ACCEPTABLE FOR USE AT MID-BLOCK OR CORNER INSTALLATIONS.
5. PROVIDE TOOGLED JOINTS ON ALL GRADE BREAKS.
6. PLACE REFUGE AS SHOWN WHEN RAISED MEDIAN CANNOT BE PLACED ON THE SIDEWALK OR CROSSWALK.
7. 4 FT MINIMUM WIDTH WHEN CUT THROUGH FLARE IS USED. 5 FT MINIMUM WIDTH WHEN CURBS ARE USED (CONSTRAINED ON TWO SIDES).
8. USE CROSSWALK SLOPES. SEE STD DWG PA 1, NOTES (iv) AND (v).
9. CUT THROUGH FLARE CAN BE OMITTED WHEN NOT IN THE DIRECTION OF PLOWING OPERATIONS.

STD. DWG. NO. PA 4

DT2					
DESIGNED	PJS	DATE	REVIEWED	SHEET	0
DRAWN	PJS	DATE	0	5	REVISION
CHECKED	►				
 No. 9800042-2203 BRADLEY 5/4/25					
DRAWING SCALE					
: $T = 25'$ (22x34) : $T = 50'$ (11x17) : $T = 5'$ (22x34) : $T = 10'$ (11x17)					
This bar measures exactly one inch on the original drawing					

UDOT DETAIL

CHILDS & 12TH ST STORM PROJECT

Childs Ave & 12th St

PLOT DATE: 3/4/2025 11:03

DRAWING NAME: Childs Avenue - 12th St 2024.dwg

Ogden UTAH *Still Untamed™*

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