



ADDENDUM #2

2100 North/Fruitland Drive Storm Drain Project

The following changes are hereby made to the Contract Documents for the above referenced Project:

- **The trench detail for project is to match the trench detail found on Sheet CW-01 of the City Standards, not the land drain detail on SD-02. Sheet CW-01 is attached to this document.**
- **To provide additional clarification, North Ogden City will provide the concrete pipe (all sizes), manholes and any concrete boxes needed for the project. The original bid only indicated the pipe would be provided. Contractor will be responsible for installing, but not furnishing, all precast concrete products.**
- **The bid schedule was updated to include a Temporary Patch bid item, see attached.**

This Addendum is hereby attached to and made part of the Bidding Documents and each Bidder shall acknowledge receipt of this Addendum on the Bid Form.

Project Engineer:

Shane Taggart, P.E.
Jones & Associates
6080 Fashion Point Drive
South Ogden, UT 84405
www.jonescivil.com



**BID SCHEDULE
NORTH OGDEN CITY
2100 NORTH AND FRUITLAND DRIVE STORM DRAIN PROJECT**

CONTRACTOR: _____

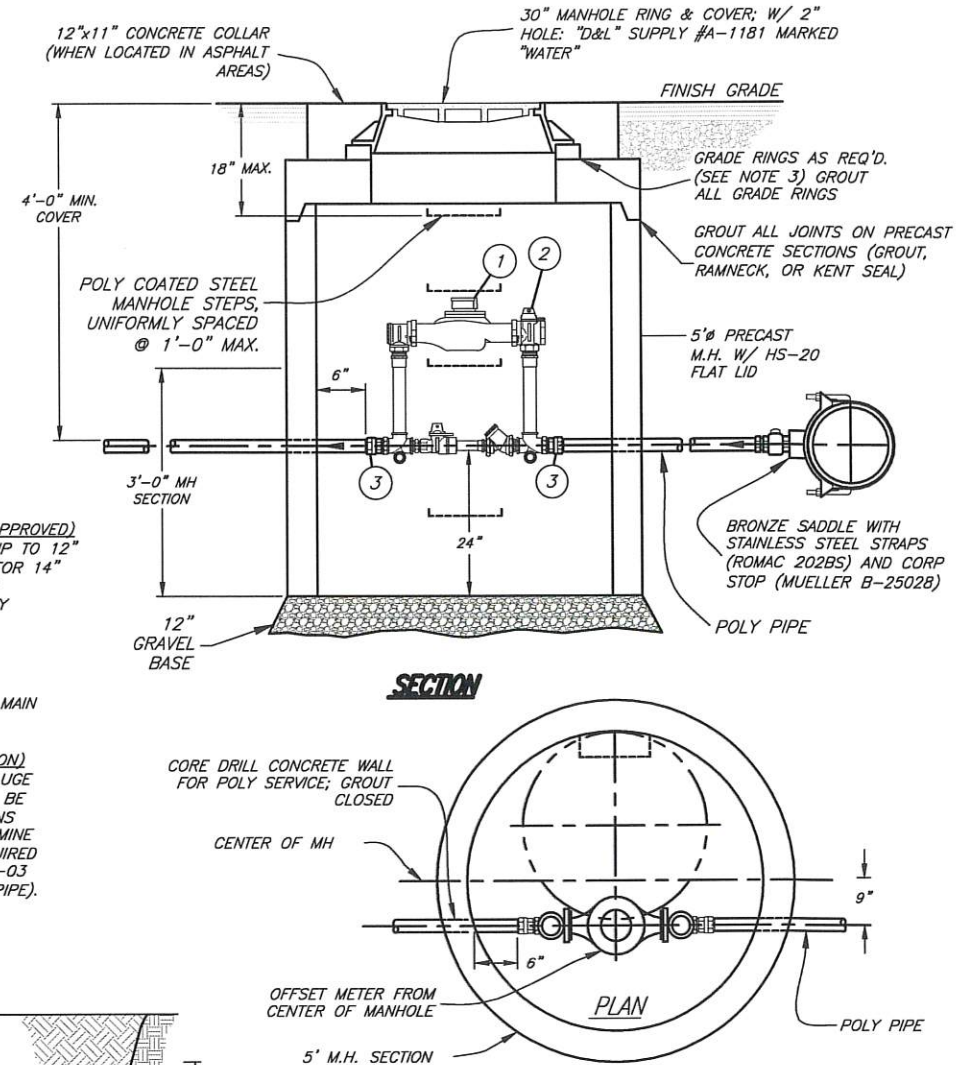
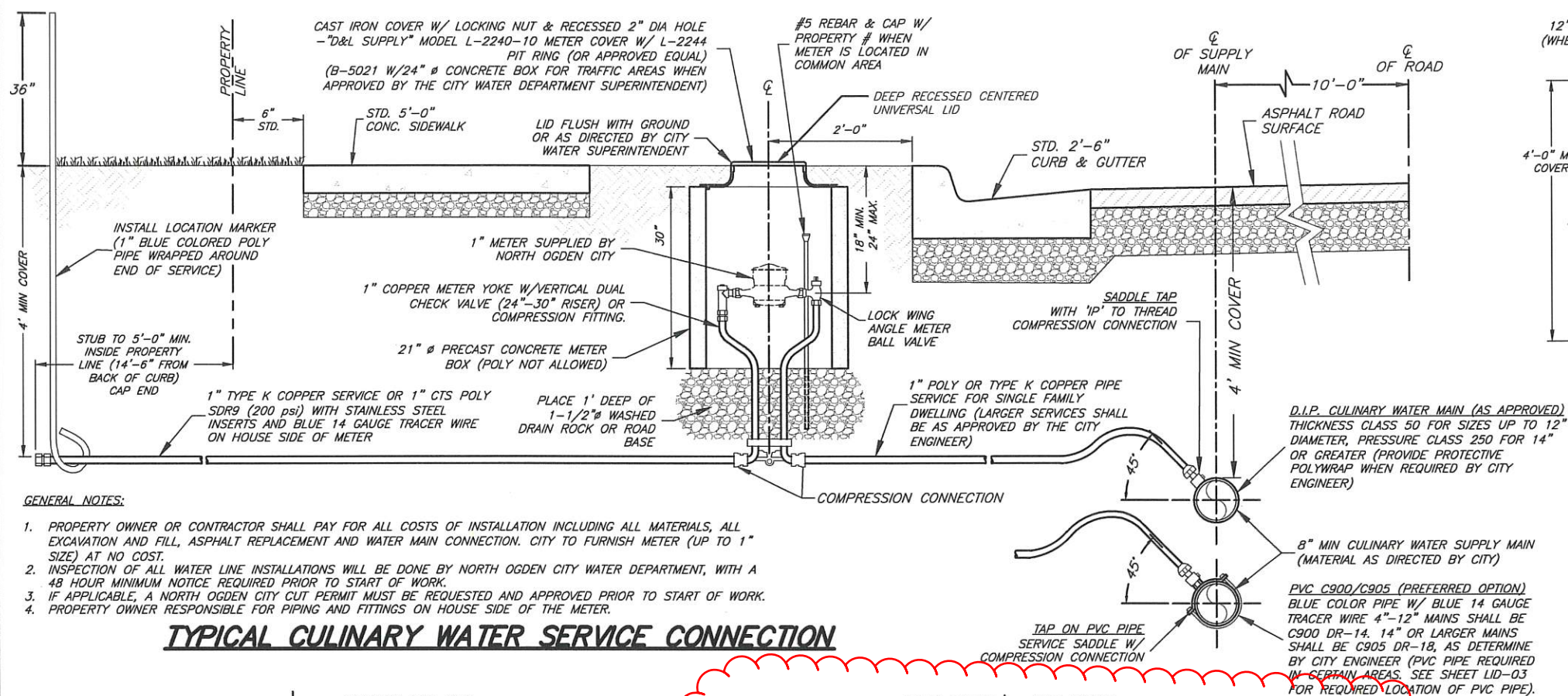
BASE BID

Item #	M&P Reference*	Bid Item Description	Estimated Quantity	Unit	Unit Price**	Bid Price
1	MP001	Mobilization	1	ls	\$	\$
2	MP003	SWPPP	1	ls	\$	\$
3	MP005	Traffic Control	1	ls	\$	\$
4	MP006	Exploratory Pothole	10	ea	\$	\$
5	MP007	Construction Staking/Survey	1	ls	\$	\$
6	MP500	Clear and Grub Site	5,500	sf	\$	\$
7	MP600	Saw Cut Asphalt	700	lf	\$	\$
8	MP602	Remove Asphalt	2,800	sf	\$	\$
9	MP603	Remove Concrete Waterway	200	sf	\$	\$
10	MP200	Remove Exist Storm Drain Pipe	280	lf	\$	\$
11	MP203	Abandon Exist Manhole	1	ea	\$	\$
12	MP204	Abandon Exist Storm Drain Pipe	200	lf	\$	\$
13	MP205	New Storm 12" RCP Drain Pipe	10	lf	\$	\$
14	MP205	New Storm 15" RCP Drain Pipe	50	lf	\$	\$
15	MP205	New Storm 30" RCP Drain Pipe	950	lf	\$	\$
16	MP208	New Storm Drain Manhole	7	ea	\$	\$
17	MP209	New Combo Box	1	ea	\$	\$
18	MP213	Connect 12" ADS Pipe to New MH (STA 3+62.93)	1	ea	\$	\$
19	MP213	Connect Exist 15" Pipe to New MH (STA 6+75.45 & 8+06.24)	2	ea	\$	\$
20	MP214	Connect New SD to Exist Structure	2	ea	\$	\$
21	MP318	Fire Hydrant Service Loop	1	ea	\$	\$
22	MP411	Irrigation Water Line Loop	1	ea	\$	\$
23	MP504	Import Fill	250	ton	\$	\$
24	MP612	Asphalt Patch (3" HMA, 8" UTBC)	2,800	sf	\$	\$
25	MP635	New Concrete Waterway	200	sf	\$	\$
26	MP205	New Storm 12" ADS	20	lf	\$	\$
27	MP205	New 12" C900 PVC	10	lf	\$	\$
28		Temporary Asphalt Patch	2,800	sf	\$	\$

Total Base Bid (Items# 1-28): \$ _____

***To go directly to Measurement and Payment click here.**

****Unit Price shall contain no more than 2 decimal points (e.g., \$0.00)**



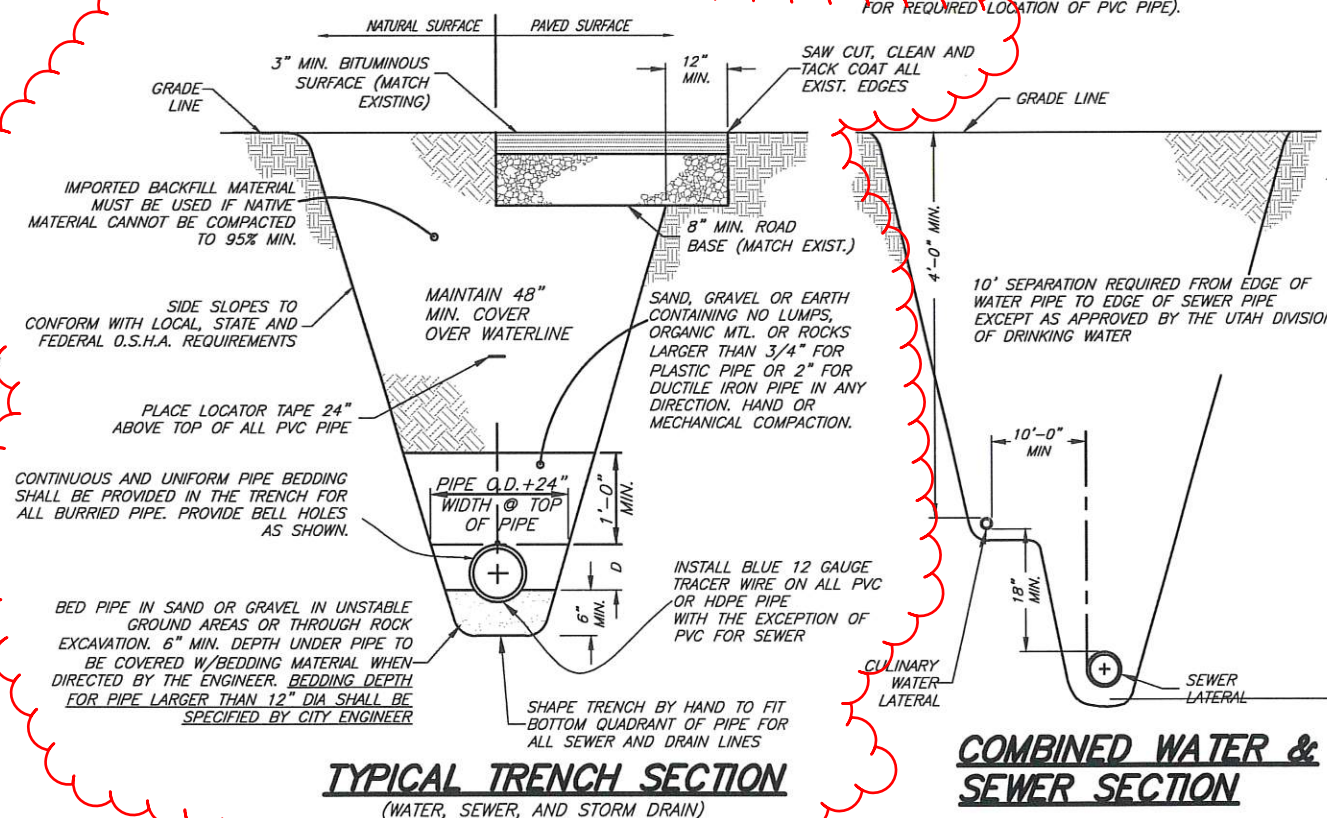
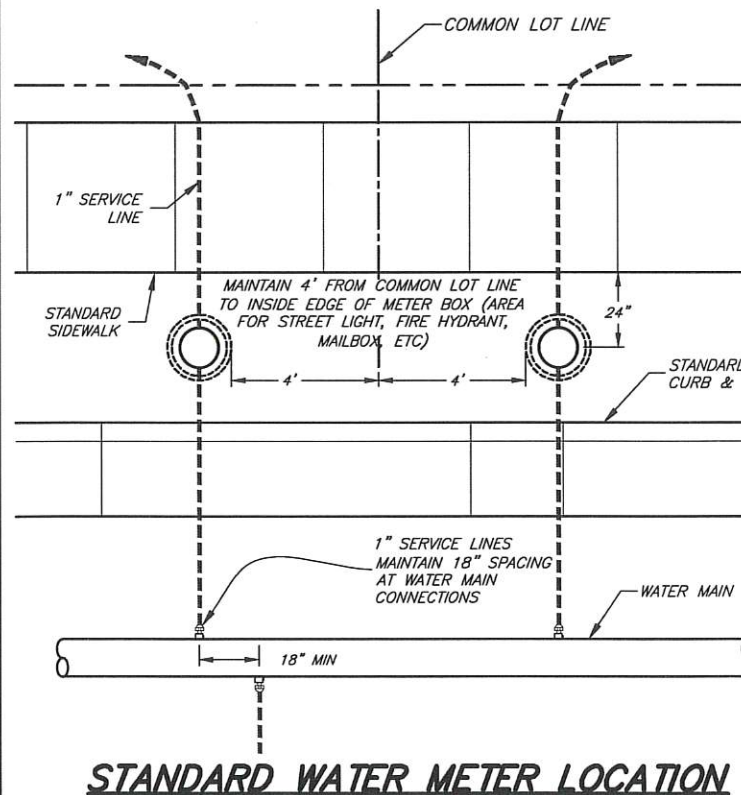
1 1/2" & 2" WATER METER STATION

NO.	DESCRIPTION	JOINT TYPE	1 1/2" LINE	2" LINE
1	"OCTAVE ULTRASONIC" METER (SUPPLIED BY CITY)	FL	1 1/2"	2"
2	METER YOKE (18" HEIGHT)	-	1 1/2"	2"
3	COMPRESSION CONN. COUPLING	-	1 1/2"	2"

1 1/2" & 2" METER NOTES:

- 1/2" SERVICE LINE-13" METER
2" SERVICE LINE-17" METER
- CITY SHALL SUPPLY METER.
- NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE
- RAISE ALL MANHOLES TO FINISH GRADE OF STREET FOLLOWING PAVING WITH A CONCRETE COLLAR. COLLAR TO BE HELD DOWN 1/2" BELOW TOP OF NEW ASPHALT.
- ALL SERVICE LINES TO METER SHALL BE POLY OR TYPE K COPPER PIPE.

ALL SPECIFIED BRANDS OF MATERIALS SHOWN ON THESE DRAWINGS ARE "CITY STANDARDS." OTHER EQUIVALENT BRANDS MAY BE USED WITH THE PRIOR APPROVAL OF THE CITY ENGINEER AND THE CITY WATER DEPARTMENT SUPERINTENDENT.



COMBINED WATER & SEWER SECTION

RECORD OF REVISIONS

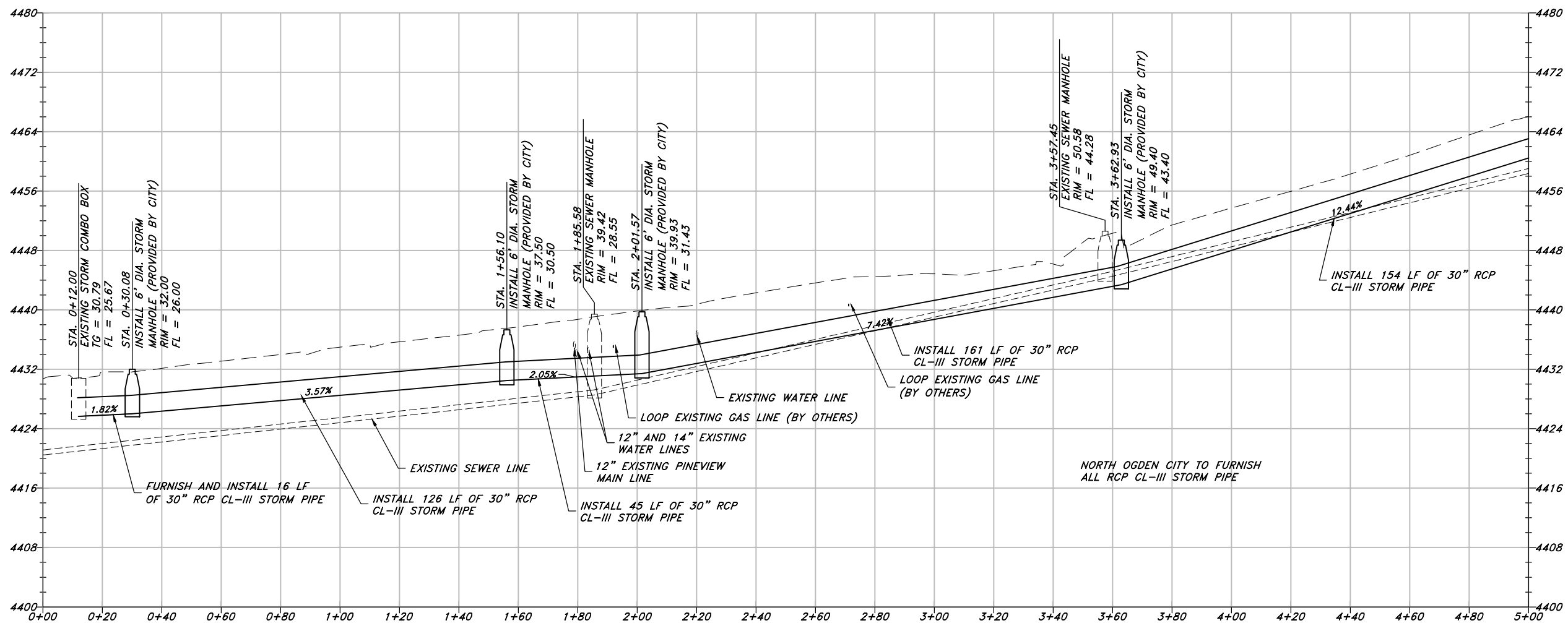
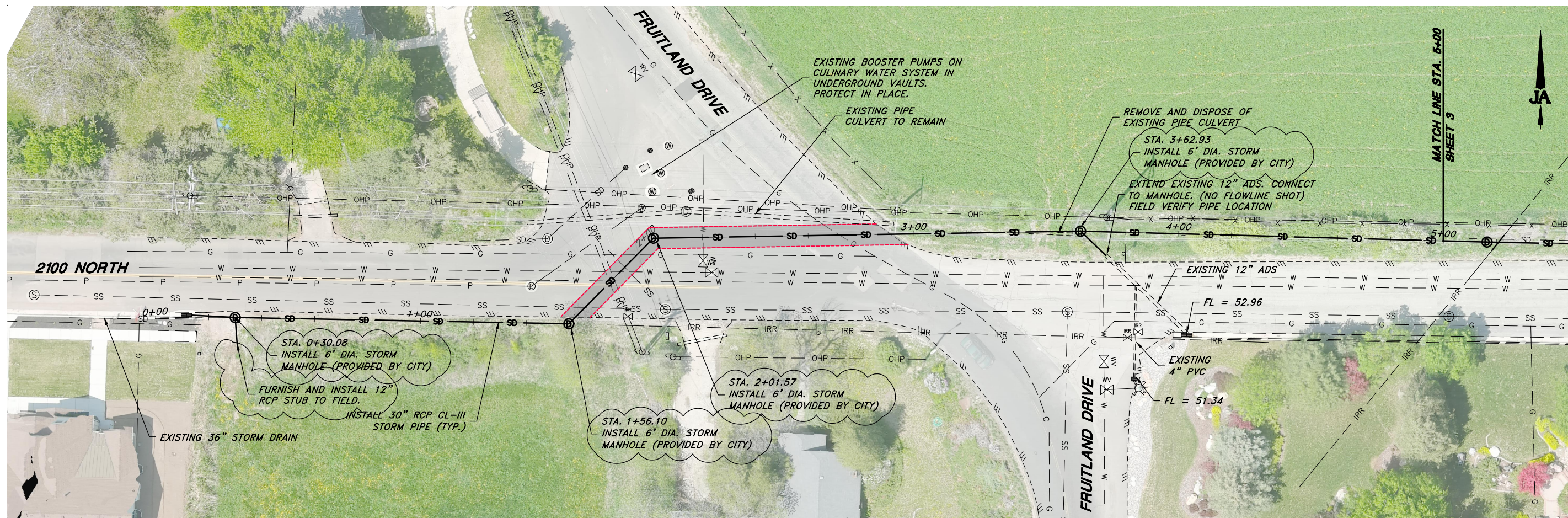
PROJECT MANAGER	M. CHANDLER
PROJECT ENGINEER	A. THOMPSON
DESIGNER	A. THOMPSON
CHECKER	O. CURTIS
DRAWING SCALE	N.T.S.
DATE	8/31/2022

CRS ENGINEERS
Answers to Infrastructure®

4746 S Riverboat Rd, Ste 200 | Salt Lake City, UT 84123 | P 801.359.5565 | www.crsengineers.com

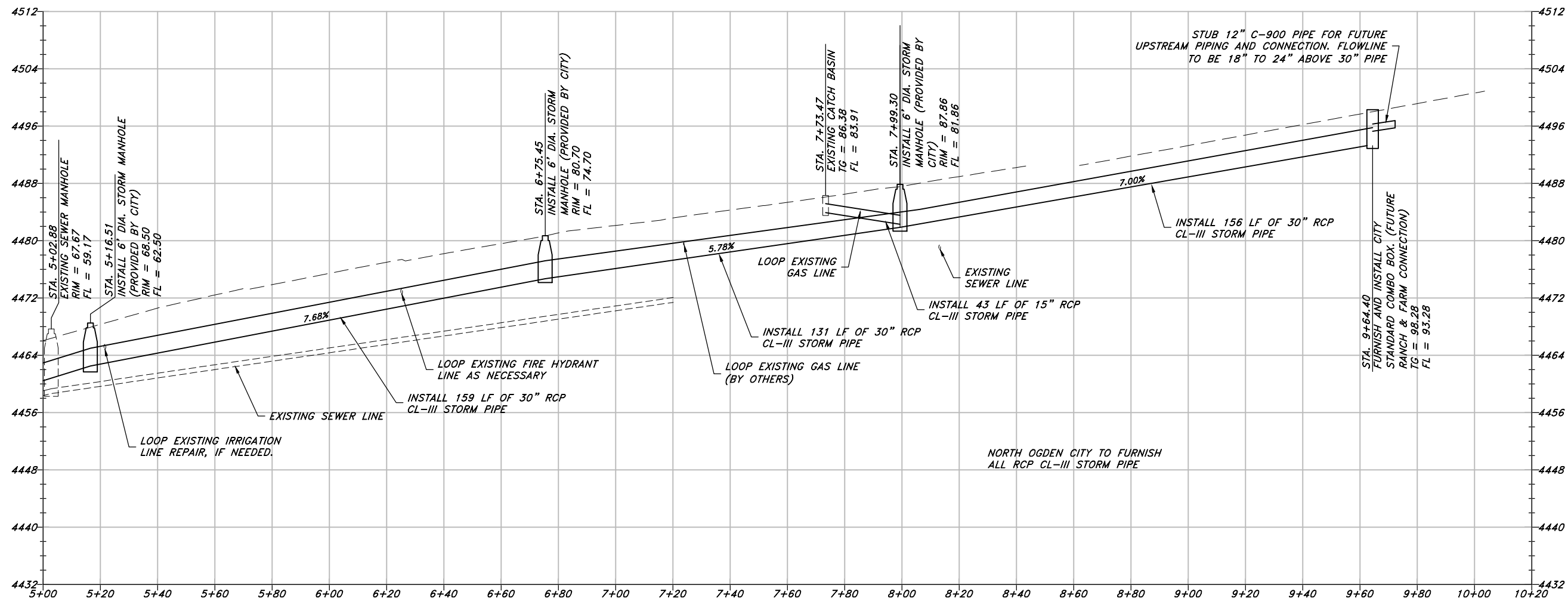
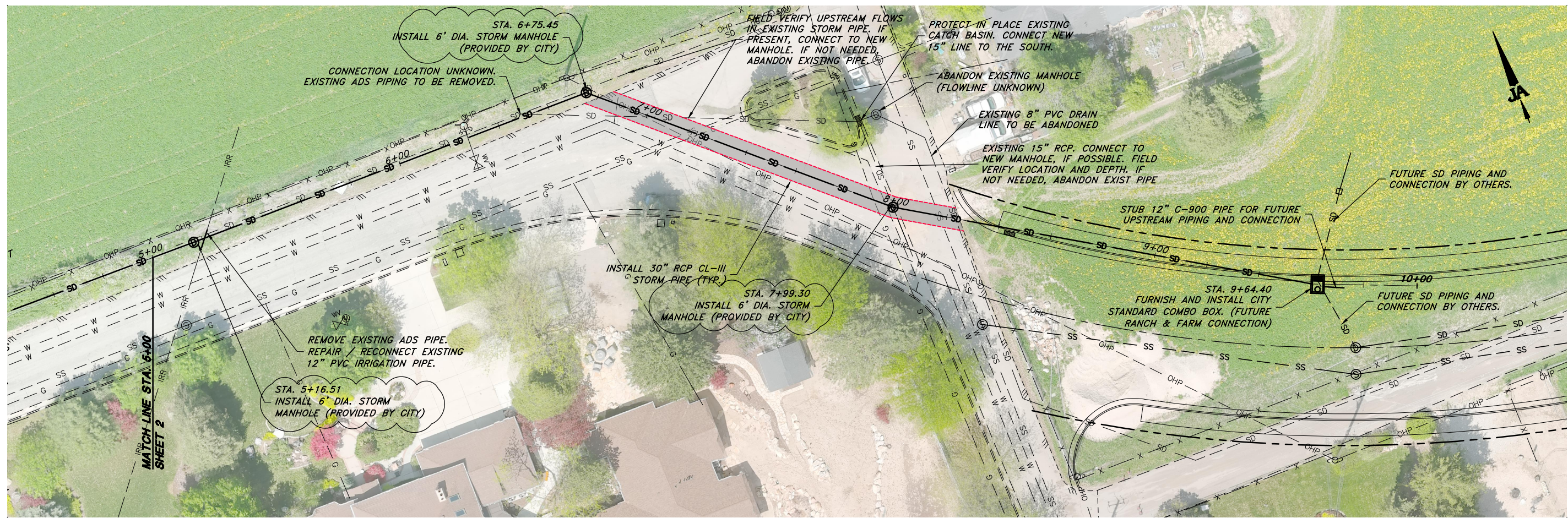
NORTH OGDEN CITY CORPORATION
PUBLIC WORKS STANDARDS
CULINARY WATER - RESIDENTIAL WATER SERVICE, 1 1/2" & 2" METER STATION, & PIPE TRENCH DETAILS

PROJECT NUMBER	2020-0125
SHEET	14
OF	58
SHEET NUMBER	CW-01



REV.	DATE	APPR.

SCALE:	MLR DESIGNED	TIME	MLR CHECKED
24" x 36"	H:1"=20'	V:1"=4'	H:1"=40'
11" x 17"	H:1"=40'	V:1"=8'	



CONSULTING

ENGINEERS

JONES & ASSOCIATES

6080 Fashion Point Drive
 South Ogden, Utah 84403
 (801) 476-9767 www.jonescivil.com

NORTH OGDEN CITY CORPORATION

2100 NORTH STORM DRAIN PROJECT

PLAN AND PROFILE

STA. 5+00 TO 10+20

SCALE:	MLR DESIGNED	TIME	MLR DRAWN	MLR CHECKED	REV.	DATE	APPR.
24" x 36" H:1"=20'							
11" x 17" H:1"=40'							
11" x 17" H:1"=8'							

SHEET:

3

OF 1 SHEETS

1.9 DESCRIPTION OF BID ITEM

M&P Reference	Bid Item	Unit	Payment Includes	Notes
MP001	Mobilization	LS	All costs associated with mobilizing and demobilizing equipment and materials to and from the project site, mobilization, demobilization, establishment of offices, buildings, all OSHA required safety measures, sanitation, and other facilities necessary for the Work, bonds, snow removal, dust control, fees, permits (not specified as paid for elsewhere), administrative services, construction notifications, identifying and marking of construction limits and all costs associated with the Work that are not included in other bid items. Payment shall be as follows: Percent of Original Contract Amount (Completed) --> Percent of Mobilization to be (Paid): 5% --> 50%, 25% --> 25%, 75% --> 25%	
MP003	UPDES Storm Water Compliance (Under One Acre)	LS	Compliance with the requirements of the Utah Pollutant Discharge Elimination System (UPDES) program. For projects less than one acre, all storm water pollution prevention best management practices (BMPs) are required to be completed by the Contractor. Maintenance, inspections, and any other work necessary to comply with the program. All BMPs such as storm water gravel inlet sediment filters, silt fencing, erosion control mats, wash down pads, containment pads, dust abatement, regular clean-up, street sweeping, etc. This bid item shall cover all aspects of construction.	<i>A Storm Water Pollution Prevention Plan (SWPPP), Notice of Intent (NOI), and Notice of Termination (NOT) are not required for this item.</i>

MP005	Traffic Control	LS	All traffic control needed on the job. Includes state and local permitting, sub-contractor mobilization, barricades, traffic signs, portable construction message boards, flaggers, other channelizing devices, and all other measures needed to channel traffic and to protect construction personnel and the public (vehicular and pedestrian) from harm resulting from any construction activities. Necessary notifications to public transportation and emergency service agencies with appropriate notice. Maintain reasonable continuous vehicular and pedestrian access for local residents/businesses throughout the duration of the project, including any notifications needed to communicate construction activities to the local residents/businesses. Preparation and on-going modification of a traffic control plan.	
MP006	Exploratory Pothole	ea	Preparing for and performing non-destructive exploratory potholing of existing utilities and potential obstructions at locations approved or requested by the Engineer, and reporting findings to the Engineer for possible design adjustments. Excavation, backfill, and surface restoration.	<i>This item does not include potholing for general utility conflict avoidance. Unauthorized potholing will not be paid.</i>
MP007	Construction Staking	LS	Preparation for and placement of construction stakes necessary to construct the Project. Staking shall include, but not be limited to project limits, right-of-way, easements, centerline, grading, paving, utility piping, fittings, hydrants, valves, bends, manholes, inlet boxes, services, laterals, culverts, structures, fencing, cross sections of all stockpiles, final cross sections for earthwork quantities, reestablishing plan benchmarks, monuments and property corners, setting additional benchmarks as needed, and miscellaneous construction survey work.	The Engineer will provide project design CAD files to the Contractor as requested.

MP200	Remove Existing Storm Drain Pipe	If	Removal and disposal of existing piping of the type, size and class shown on the Drawings. Includes unclassified excavation, saw-cutting of pipe, backfill to grade, compaction, load, haul, lawful disposal of removed piping and other related materials, associated disposal fees, and handling of all active drainage flows.	
MP203	Abandon in Place Existing Storm Drain Structure	ea	Removal and lawful disposal of existing ring, cover, grade rings, and structure sections as required, saw cutting, unclassified excavation, backfilling remaining structure to grade with approved materials, fabric or plating as required, and compaction.	
MP204	Abandon Existing Drainage Pipe	ea	Locating of existing pipe, unclassified excavation, cutting of pipe, plugging the end of the existing pipe with a watertight approved plug, backfill to grade, compaction, marking end of pipe (where specified), and handling of all active drainage flows.	

MP205	New Storm Drain Pipe	If	Piping of the type, size and class shown on the Drawings. No classification of excavated materials shall be made, and excavation shall include the removal and subsequent handling of all water, earth, shale, loose or cemented gravel, loose rock, solid rock, or other materials of whatever nature excavated or otherwise removed in the performance of the project work, dewatering, trench safety measures, lawful disposal of excess material, backfill to grade, compaction, foundation gravel, pipe bedding, grade controls, all necessary pothole investigation of existing utilities to predetermine any conflicts with other utilities or structures (horizontal or vertical), coordination with Engineer for resolution of predetermined conflicts, high-resolution video inspections after installation and prior to final walkthrough, cleaning of new pipe prior to video inspections, correction of any material or installation-related defect, and restoration of miscellaneous improvements damaged as a result of completing this item. Item includes installation only. City to provide storm drain pipe.	<i>No payment will be given for the relaying of pipe that could have been avoided through potholing and conflict resolution with the Engineer, nor for the laying of pipe out of sequence (low elevation to high). Making adjustments to other pipes or structures in conflict will only be allowed if pipe grade adjustments to the new pipe cannot be made.</i> <i>Removal of pavement, installation of imported backfill (if required), and installation of new pavement section is paid for under separate items.</i>
-------	----------------------	----	--	---

MP208	New Storm Drain Manhole	ea	Construction of precast concrete manhole, unclassified excavation, dewatering, backfill to grade, compaction, foundation gravel, concrete base section with formed flow lines, manhole sections, cone section or flat lid, adjusting manhole sections to meet design grade, grade rings, ring and cover, manhole steps, sealing of joints, watertight grout, handling of all active drainage flows, connection of all new piping systems to the manhole structure (flush with the inside of the walls and grouted smoothly), and restoration of miscellaneous improvements damaged as a result of completing this item.	<i>Raising to grade with concrete collar will be paid for under a separate item.</i>
MP209	New Storm Drain Junction Box / Cleanout	ea	Construction of precast or cast-in-place concrete structure, unclassified excavation, dewatering, backfill to grade, compaction, foundation gravel, concrete base section with formed flow lines, sections, lid, adjusting sections or forming and pouring reinforced structure to meet design grade, grade rings, ring and cover, frame and grate, access steps, finishing and curing concrete, sealing of joints, watertight grout, handling of all active drainage flows, connection of all new piping systems to the structure (flush with the inside of the walls and grouted smoothly), and restoration of miscellaneous improvements damaged as a result of completing this item.	<i>Raising to grade with concrete collar will be paid for under a separate item.</i>
MP213	Connection of New Storm Drain Structure to Existing Pipe	ea	Locating existing pipe, excavation, dewatering, backfill, compaction, handling of all active drainage flows, adjustments to structure to accommodate existing pipe, modifying and forming the structure base to create a smooth transition between the new and existing flowlines, cutting of pipe, pipe connections flush with the inside of the walls and grouted smoothly with watertight grout.	<i>New storm drain structure will be paid for under separate item.</i>

MP214	Connection of New Storm Drain Pipe to Existing Structure	ea	Locating existing structure, excavation, dewatering, backfill, compaction, handling of all active drainage flows, core-drilling or saw cutting of structure wall as approved, modifying and forming the structure base to create a smooth transition between the new and existing flowlines, pipe connections flush with the inside of the walls and grouted smoothly with watertight grout.	MP214
MP318	Fire Hydrants Line Loop	ea	Looping of water service line. Includes pipe, fittings, excavation, dewatering, trench safety measures, cutting of pipe, lawful disposal of excess material, backfill to grade, compaction, foundation sand, pipe bedding, corrosion protection, tracer wire when required, grade controls, all necessary pothole investigation of existing utilities to determine conflicts, coordination with Engineer for resolution of conflicts, and restoration of miscellaneous improvements damaged as a result of completing this item.	
MP411	Secondary Waterline Loop	ea	Looping of waterline. Includes piping, bends, fittings, and thrust restraint as specified in the Drawings, excavation, dewatering, trench safety measures, cutting of pipe, lawful disposal of excess material, backfill to grade, compaction, foundation sand, pipe bedding, corrosion protection, tracer wire when required, grade controls, all necessary pothole investigation of existing utilities to determine conflicts, coordination with Engineer for resolution of conflicts, and restoration of miscellaneous improvements damaged as a result of completing this item.	
MP500	Clear and Grub Site	ac	Clearing and grubbing of area as shown on the Drawings. Includes removal and lawful disposal of vegetation and organic material including sod, weeds, grasses, bushes, stumps, shrubs and small trees including the root ball; dust control, removal, haul and disposal of any garbage and debris.	<i>Small trees are defined as 6" or less in diameter as measured at 3' above the adjacent ground surface.</i>

MP504	Import Fill Material	ton	Importing and placement of fill material to grade at site as shown on the Drawings. Includes loading and unloading, hauling, stockpiling, grade controls, grading, compaction, and dust control.	
MP600	Saw Cut Asphalt	lf	Saw cutting asphalt up to 6" thick as shown on the Drawings. Includes utility locating and protection, saw cutting, and water.	<i>Thicknesses greater than 6" shall be paid based on proportional thickness, calculated by dividing the unit price by 6" to get a \$/in depth cost, then multiplying by the actual thickness cut.</i>
MP602	Remove Asphalt	sf	Asphalt removal as shown on the Drawings. Includes removal of asphalt including concrete collars where present, loading, haul, and lawful disposal.	<i>See Bidding Schedule and/or Drawings for approximate thickness. Saw cutting is paid for under a separate item.</i>
MP603	Remove Concrete Flatwork	sf	Concrete flatwork removal as shown on the Drawings. Includes saw cutting, removal of concrete, loading, haul, and lawful disposal.	
MP612	Asphalt Patch (3" HMA, 8" UTBC)	sf	Patching of removed asphalt areas as shown on the Drawings or as directed by an authorized Owner representative. Includes preparation, grading, and compaction of underlying subgrade, application of tack coat on a clean asphalt edge, loading, haul, installation and compaction of UTBC and HMA.	<i>Saw cutting and removal of asphalt is paid for under a separate item.</i>

MP635	New Concrete Waterway	sf	Installation and placement of concrete waterway as specified in the Bidding Schedule and shown in the Drawings. Includes excavation, forming, steel reinforcement, expansion and control joints, fiber reinforcement if required, finishing, protection of concrete while curing, curing compound, backfill, and repair of any damaged improvements.	<i>UTBC is paid for under a separate item.</i>
	Temporary Asphalt Patch	sf	Temporary patching of removed asphalt areas as shown on the Drawings or as directed by an authorized Owner representative. Includes preparation, grading, and compaction of underlying subgrade, loading, haul, installation and compaction of UTBC and HMA, and removal in the spring prior to installation of permanent asphalt patch.	<i>Saw cutting and removal of existing asphalt is paid for under a separate item.</i>

END OF SECTION