

NORTH OGDEN

400 EAST WATERLINE PROJECT

AUGUST 2021

DRAWINGS

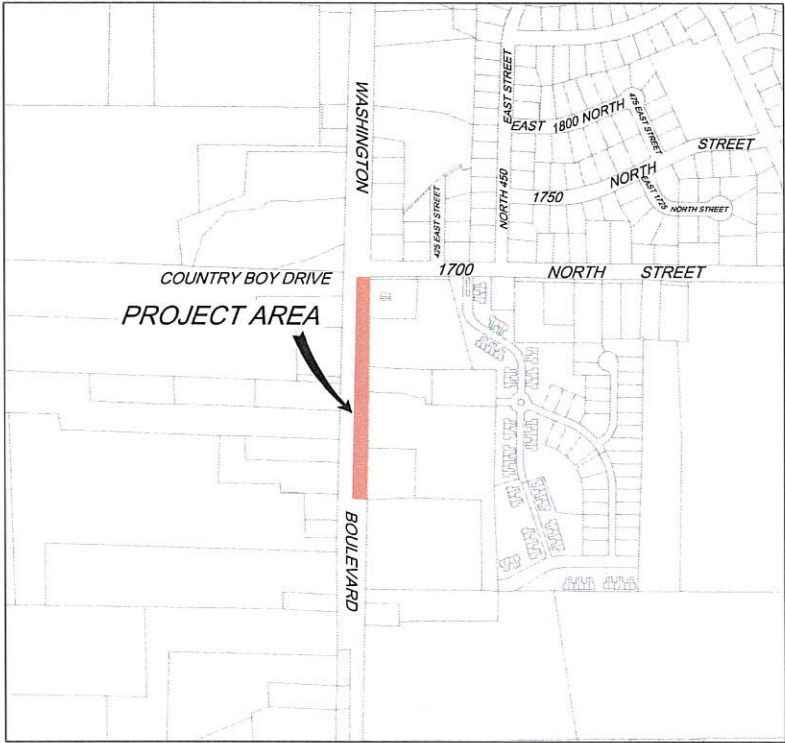
- 1. COVER SHEET
- 2. SITE PLAN

SUPPLEMENTAL DRAWINGS

- RD-02 PUBLIC ROADS- TYPICAL DRIVE APPROACH DETAILS
- RD-04 PUBLIC ROADS- TYPICAL ADA RAMP & DEFECTIVE CONCRETE REPLACEMENT DETIALS
- CW-01 CULINARY WATER- RESIDENTIAL WATER SERVICE, 1 1/2" & 2" METER STATION, & PIPE TRENCH DETAILS
- CW-02 CULINARY WATER- THRUST BLOCK, WATERLINE LOOP, FLUSH VALVE, & FIRE HYDRANT DETAILS
- CW-03 CULINARY WATER- TRACING WIRE INSTALLATION DETAILS

GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH THE NORTH OGDEN CITY AND U.D.O.T. STANDARDS.
- CONTRACTOR IS RESPONSIBLE TO OBTAIN & PAY FOR ALL REQUIRED CONSTRUCTION PERMITS PRIOR TO BEGINNING WORK.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PROJECT DRAWINGS HAVE BEEN LOCATED FROM A LIMITED SITE SURVEY AND FROM AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF A UTILITY LINE LOCATION DIFFERS FROM THE DESIGN DRAWINGS OR IF AN UNANTICIPATED UTILITY LINE IS DISCOVERED.
- THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL PERSONNEL AND SIGNAGE REQUIRED FOR WORK WITHIN EXISTING RIGHTS OF WAY.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE DUST CONTROL & CLEAN-UP OF EXISTING STREETS.
- THE CONTRACTOR SHALL EXERCISE CAUTION TO VERIFY VALUES SHOWN ON THE PLANS, CONSTRUCTION STAKES AND/OR CUT SHEETS. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS, GRADES, SPECIFICATIONS AND SITE CONDITIONS OR ANY INCONSISTENCIES, AMBIGUITIES, OR OTHERWISE APPARENT GRADING PROBLEMS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER WHO WILL PROMPTLY CORRECT SAID INCONSISTENCIES OR AMBIGUITIES IN WRITING. ALL GRADES AND FORMS MUST BE INSPECTED AND APPROVED BEFORE PLACING CONCRETE. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES OR WITHOUT PROPER INSPECTION SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE TO CORRECT.
- THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AT LOCATIONS OF POTENTIAL GRADE CONFLICTS. COORDINATE WITH THE UTILITY OWNERS FOR UTILITY ADJUSTMENTS AND RELOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REESTABLISHING SPRINKLER SYSTEMS, LANDSCAPING AND TOP SOIL.
- CONTRACTOR IS REQUIRED TO GET ALL PERMITS REQUIRED FROM U.D.O.T.



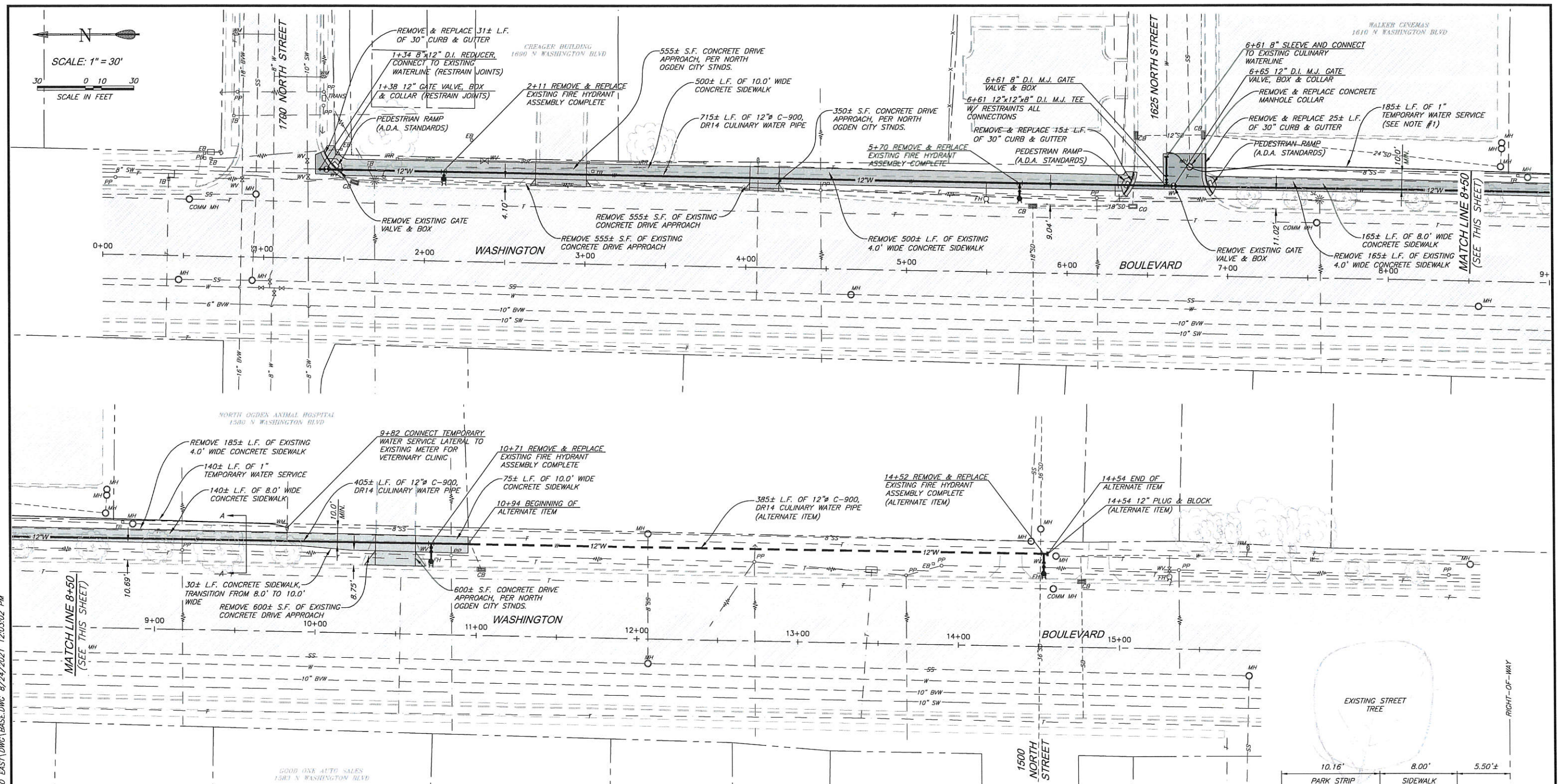
VICINITY MAP

LEGEND

W	PROPOSED CULINARY WATER	STA	PROJECT STATIONING
SS	SANITARY SEWER	PVI	POINT OF VERTICAL INTERSECTION
SD	STORM DRAIN PIPE	BCR	BEGINNING OF CURB RADIUS
ECR	END OF CURB RADIUS	PRC	POINT OF REVERSE CURVATURE
W	CULINARY WATER	PCC	POINT OF COMPOUND CURVATURE
G	QUESTAR IHP GAS LINE	PC	POINT OF CURVATURE
T	QUESTAR COMMUNICATION LINES	PT	POINT OF TANGENCY
O.H.P.	ROCKY MOUNTAIN POWER	BW	BACK OF WALK ELEVATION
U.G.P.	FINISHED GRADE CONTOUR	EA	EDGE OF ASPHALT ELEVATION
	EXISTING CONTOURS	TA	TOP OF ASPHALT
	ASPHALT PAVING	TBC	TOP BACK OF CURB
	PROPOSED CONCRETE	TMC	TOP BACK OF MOUNTABLE CURB
	EXISTING GRAVEL	TDC	TOP OF DEPRESSED CURB
	EXISTING ASPHALT	HP	HIGH POINT
SL	STREET LIGHT	LP	LOW POINT
PP	POWER POLE	GB	GRADE BREAK
PB	POWER BOX	TG	TOP OF GRATE
SS	EXISTING STREET SIGN	FL	FLOW LINE
WM	WATER METER	LIP	LIP OF GUTTER
MH	MANHOLE	R.D.	ROOF DRAIN
CO	CLEAN OUT	L.F.	LINEAL FEET
CB	CATCH BASIN	EC	EDGE OF CONCRETE
WV	WATER VALVE	DRV	DRIVE WAY
FH	FIRE HYDRANT	TW	TOP OF WALL
		TC	TOP OF CURB WALL
		DR	DRAIN



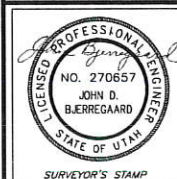
By: *John D. Bjerregaard*



WATERLINE REPLACEMENT WORK SEQUENCE:

THE EXISTING NORTH OGDEN WATERLINE IN WASHINGTON BLVD BETWEEN 1700 NORTH AND 1525 NORTH CAN BE SHUT DOWN BY CONSTRUCTING A TEMPORARY WATER SERVICE TO 1580 NORTH AND PROVIDING A TEMPORARY PLUG AT THE INTERSECTION OF 1625 NORTH STREET. THE ANTICIPATED WORK SEQUENCE IS OUTLINED BELOW:

1. CONSTRUCT A TEMPORARY 1" WATER SERVICE (POLY PIPE, NSF 61 CERT.) FROM 1625 NORTH STREET TO THE EXISTING METER AT 1580 NORTH.
2. TEMPORARILY CUT AND PLUG THE 8" DIAMETER WATERLINE IN 1625 NORTH STREET BETWEEN THE TEMPORARY SERVICE CONNECTION AND THE EXISTING TEE AT WASHINGTON BLVD.
3. SHUTDOWN THE WATERLINE AT 1700 NORTH AND CONSTRUCT A NEW 12" X 8" REDUCER AND 12" VALVE.
4. PROCEED WITH CONSTRUCTION OF THE NEW 12-INCH DIA. WATERLINE AND REMOVAL OF THE EXISTING 8-INCH DIA. WATERLINE FROM STA. 1+34 TO STA. 14+54.
5. COMPLETE PRESSURE TESTING AND DISINFECTION.
6. CONNECT THE WATER SERVICE AT 1580 NORTH TO THE NEW 12-INCH DIAMETER WATERLINE.
7. CONSTRUCT THE CONNECTION AT 1625 NORTH AND REMOVE THE TEMPORARY SERVICE. REMOVE AND ABANDON THE TEMPORARY SERVICE CONNECTION WITH A BRASS PLUG AT THE MAIN.



WASATCH CIVIL
Consulting Engineering
1150 SOUTH DEPOT DRIVE, SUITE 225
OGDEN, UT 84404 (801) 775-9191

[illegible]

DESIGNED M.M. DATE APR 26, 2021
DRAWN T.B.G. SCALE: 1" = 30'
CHECKED J.D.B.

*NORTH OGDEN
CITY*

400 EAST WATERLINE PROJECT
SITE PLAN

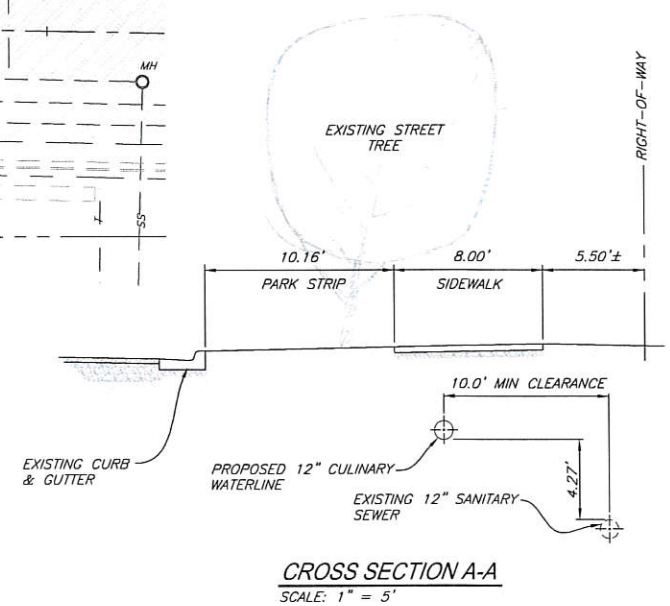
SHEET:
2
SHEETS

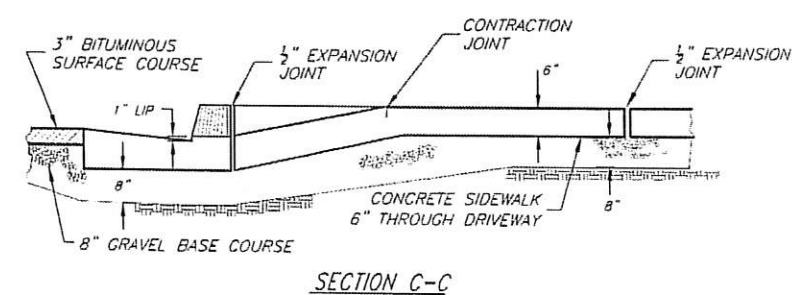
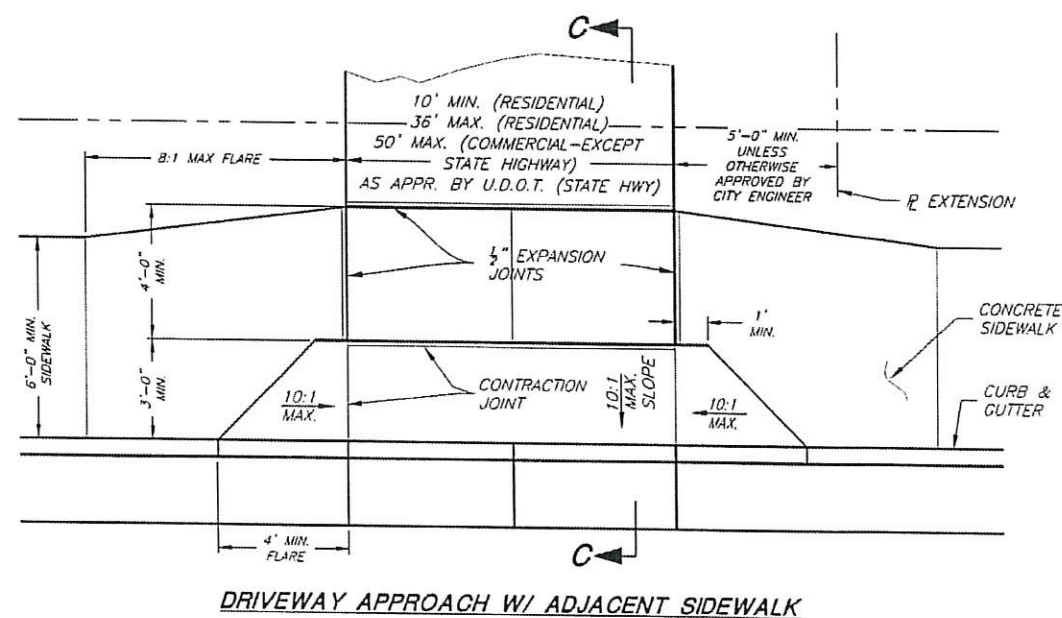
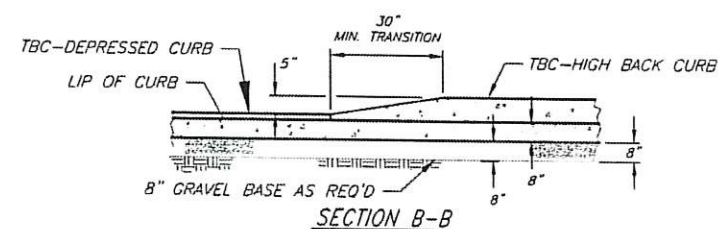
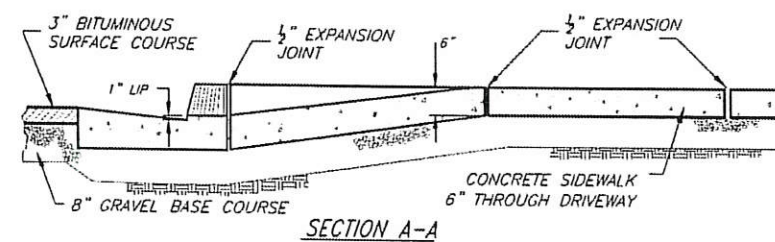
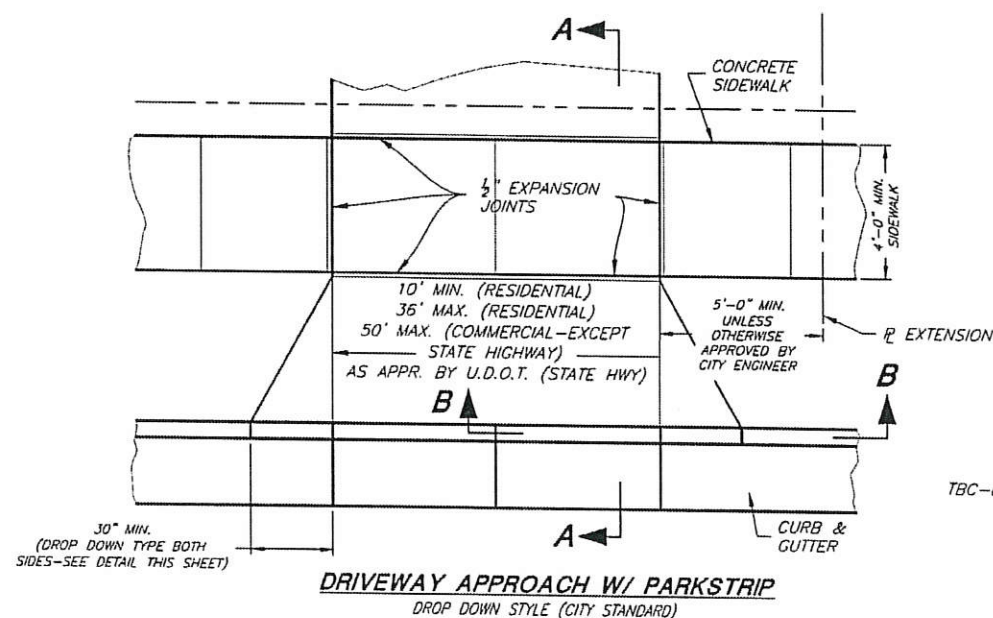
20. WCF-CAD - DOCUMENTS\08-NORTH-OGDEN\100-WATER\400 EAST\DWG\BASE.DWG 8/24/2021 12:03:02 PM

APPROVED

SEP 13 2021

By: 



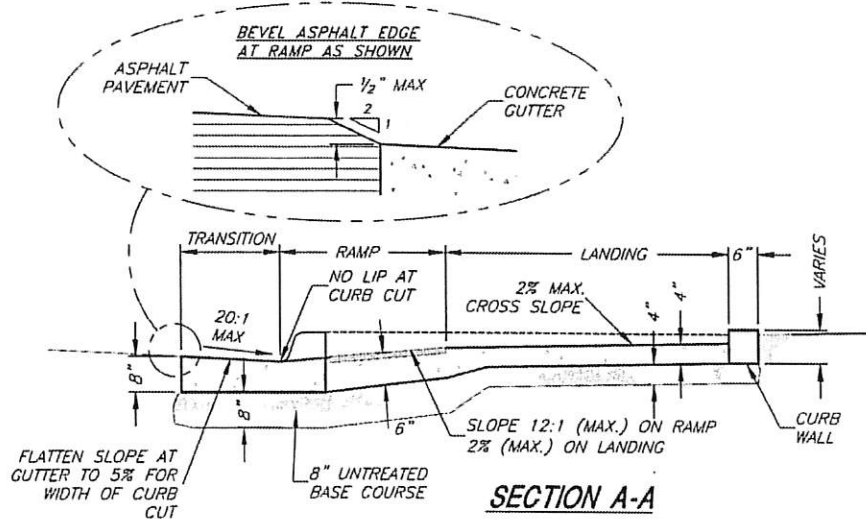


APPROVED

SEP 13 2021

By: 84

						SCALE:			DESIGNED: JH 11			 CONSULTING ENGINEERS 5080 Fashion Point Drive South Ogden, Utah 84403 (801) 476-9767			NORTH OGDEN CITY CORPORATION			SHEET:		
PROJECT ENGINEER						N. T. S.			DRAWN: RES						PUBLIC WORKS STANDARDS			RD-02		
DATE			REV.						CHECKED: MZ 24						PUBLIC ROADS - TYPICAL DRIVE APPROACH DETAILS			OF 28 SHEETS		
			DATE			APPR.														



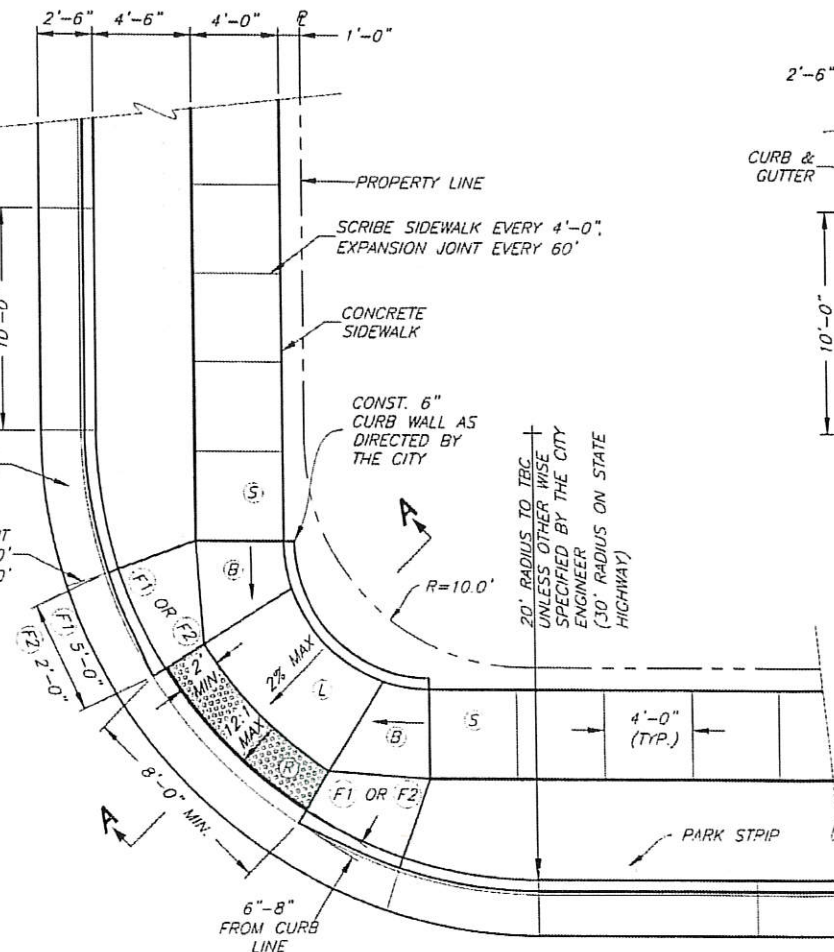
SECTION A-A

ADA RAMP NOTES:

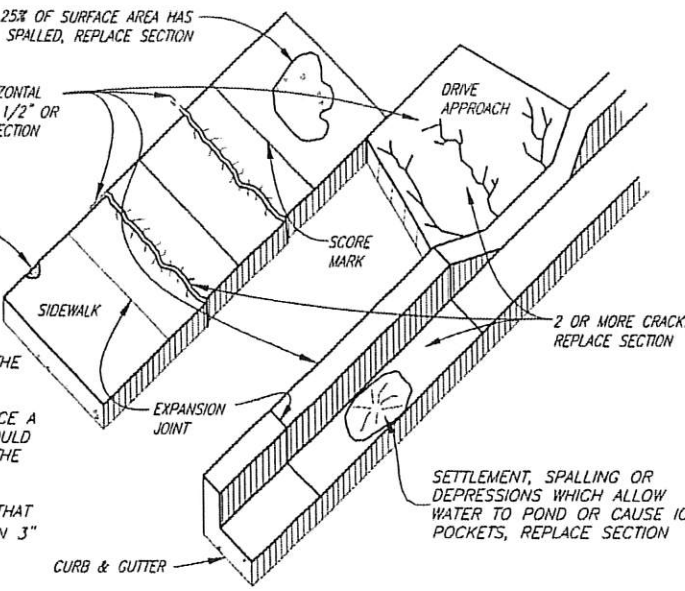
1. WHERE DESIGNATED BY THE CITY, ALTERNATE RAMP DESIGNS MAY BE USED. SUBMIT ENGINEERED CONSTRUCTION PLANS TO CITY ENGINEER AND THE CITY PUBLIC WORKS DEPARTMENT FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
2. USE THE SLOPE TABLE BELOW FOR RAMP CONSTRUCTION. THE USE OF FLARES, CURB WALLS, ETC. ARE AT THE DISCRETION OF THE ENGINEER.
3. LOCATE CURB CUT WITHIN CROSSWALK.
4. RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING SLOPE.

SLOPE TABLE			
	ITEM	MAX. RUNNING SLOPE*	MAX. CROSS SLOPE*
(L)	LANDING	2% (1V:48H)	2% (1V:48H)
(R)	RAMP	8.33% (1V:12H)	2% (1V:48H)
(S)	SIDEWALK	--	2% (1V:48H)
(F1)	TRAVERSABLE SURFACE	10% (1V:10H)	--
(F2)	NON-TRAVERSABLE SURFACE	25% (1V:4H)	--
(B)	BLENDED TRANSITION	5% (1V:20H) 2% MIN.	2% (1V:48H)

* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.



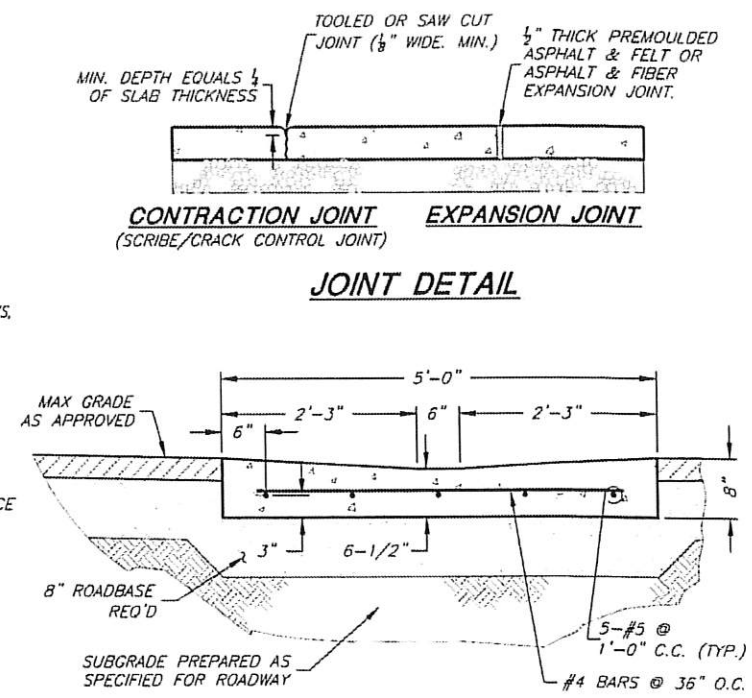
WHEEL CHAIR RAMP DETAIL "A"
CITY STANDARD (WITH PARK STRIP)



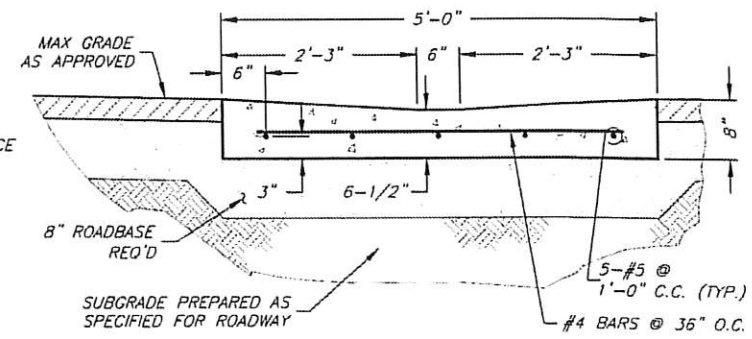
DEFECTIVE CONCRETE REPLACEMENT CRITERIA

CONCRETE REPLACEMENT NOTES:

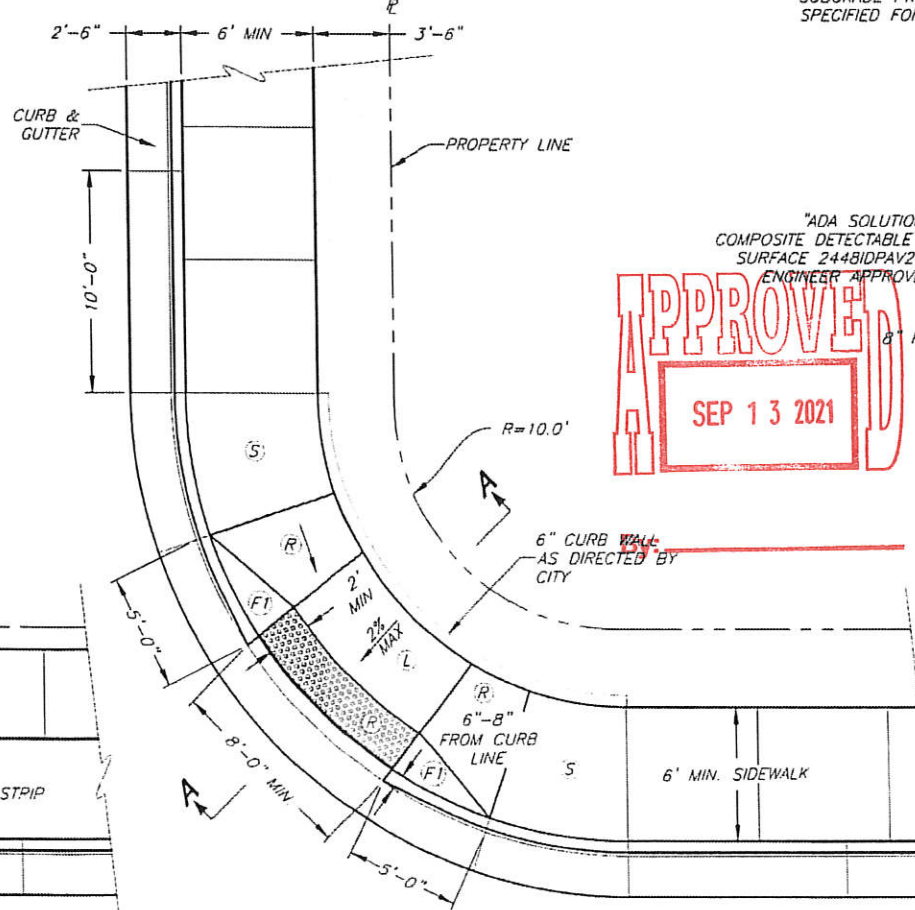
1. REPLACEMENT IS REQUIRED IF ANY COMPONENT HAS ONE OR MORE OF THE CONDITIONS SHOWN.
2. ANYTIME CONCRETE IS CUT TO REPLACE A DEFECTIVE COMPONENT, THE CUT SHOULD EXTEND COMPLETELY THROUGH THE PIECE BEING REPLACED.
3. A CHIP IS CONCRETE EDGE DAMAGE THAT IS DEEPER THAN 1/4" AND LARGER THAN 3" DIA.



JOINT DETAIL

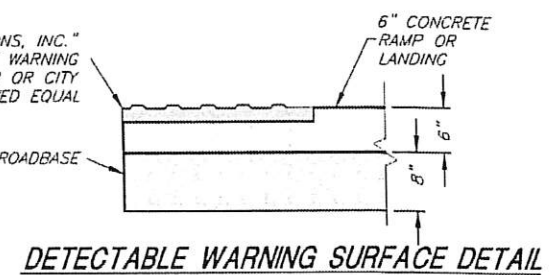


CROSS DRAIN SECTION
(WHERE APPROVED BY CITY PUBLIC WORKS DIRECTOR AND THE CITY ENGINEER)



WHEELCHAIR RAMP DETAIL "B"
REQUIRES WRITTEN CITY APPROVAL (WITHOUT PARK STRIP)

APPROVED
SEP 13 2021



DETECTABLE WARNING SURFACE DETAIL

DETECTABLE WARNING SURFACE NOTES:

1. LOCATE DETECTABLE WARNING SURFACE SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD. PROVIDE 2-FOOT MINIMUM DEPTH.
2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF CURB CUT.
3. THE DETECTABLE WARNING SURFACE DOME SHALL BE ORIENTED SUCH THAT THE ROWS ARE PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL TO THE RAMP ON THE OPPOSITE SIDE OF THE STREET.
4. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE DARK GRAY OR PRE-APPROVED CONTRASTING COLOR WHEN THE EXISTING SIDEWALK COLOR IS NOT STANDARD CONCRETE. THE COLOR OF THE DETECTABLE WARNING SURFACE SHALL BE DETERMINED BY THE CITY ENGINEER OR AUTHORIZED REPRESENTATIVE.
5. WHEN A DETECTABLE WARNING SURFACE DOME IS CUT, THE REMAINING PORTION OF THE DOME SHALL BE BEVELED TO A MAXIMUM SLOPE OF 1:2.

APPROVED
SEP 13 2021

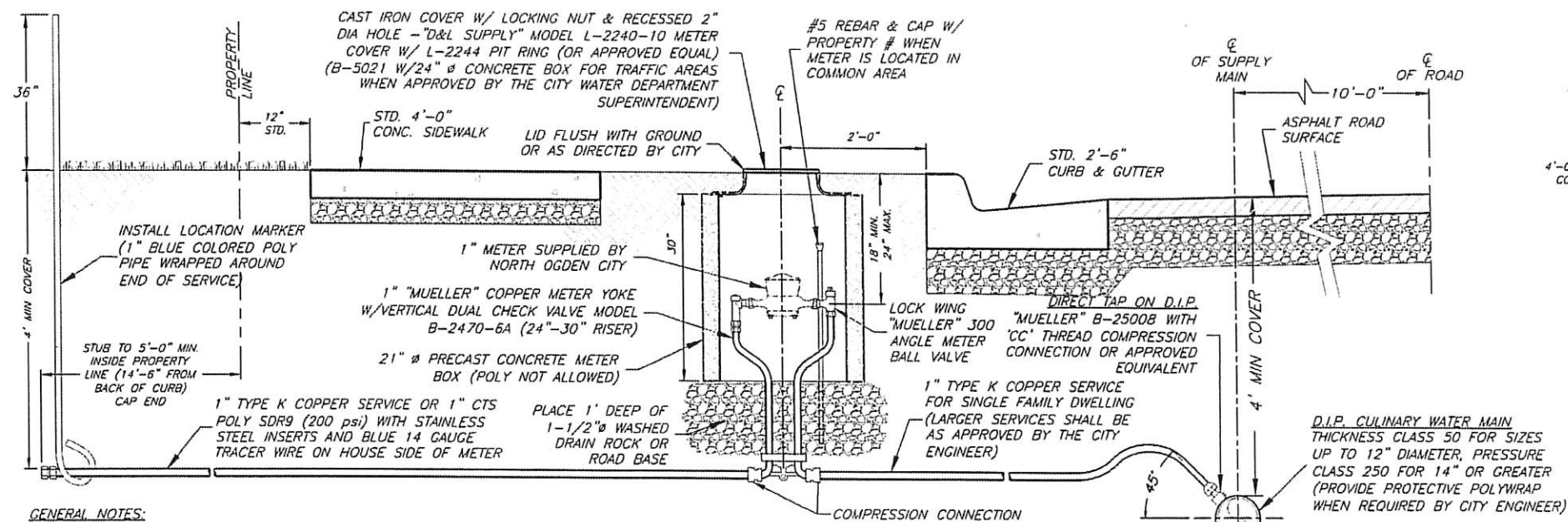
PROJECT ENGINEER	REV.	DATE	APPR.
DATE			

SCALE:	DESIGNED:
N.T.S.	DRAWN:
	CHECKED:

J&A CONSULTING ENGINEERS
6080 Fashion Point Drive
South Ogden, Utah 84403 (801) 476-9767

NORTH OGDEN CITY CORPORATION
PUBLIC WORKS STANDARDS
PUBLIC ROADS - TYPICAL ADA RAMP & DEFECTIVE CONCRETE REPLACEMENT DETAILS

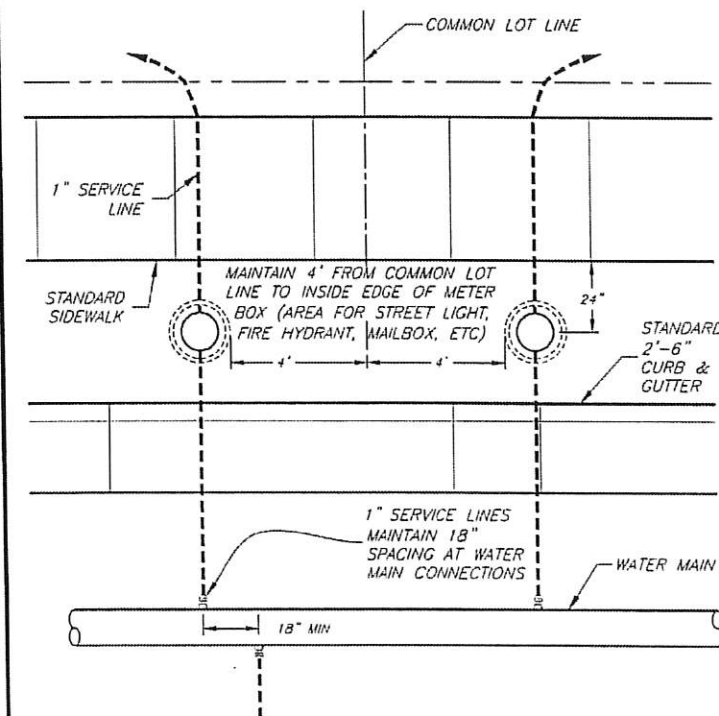
SHEET:
RD-04
OF 26 SHEETS



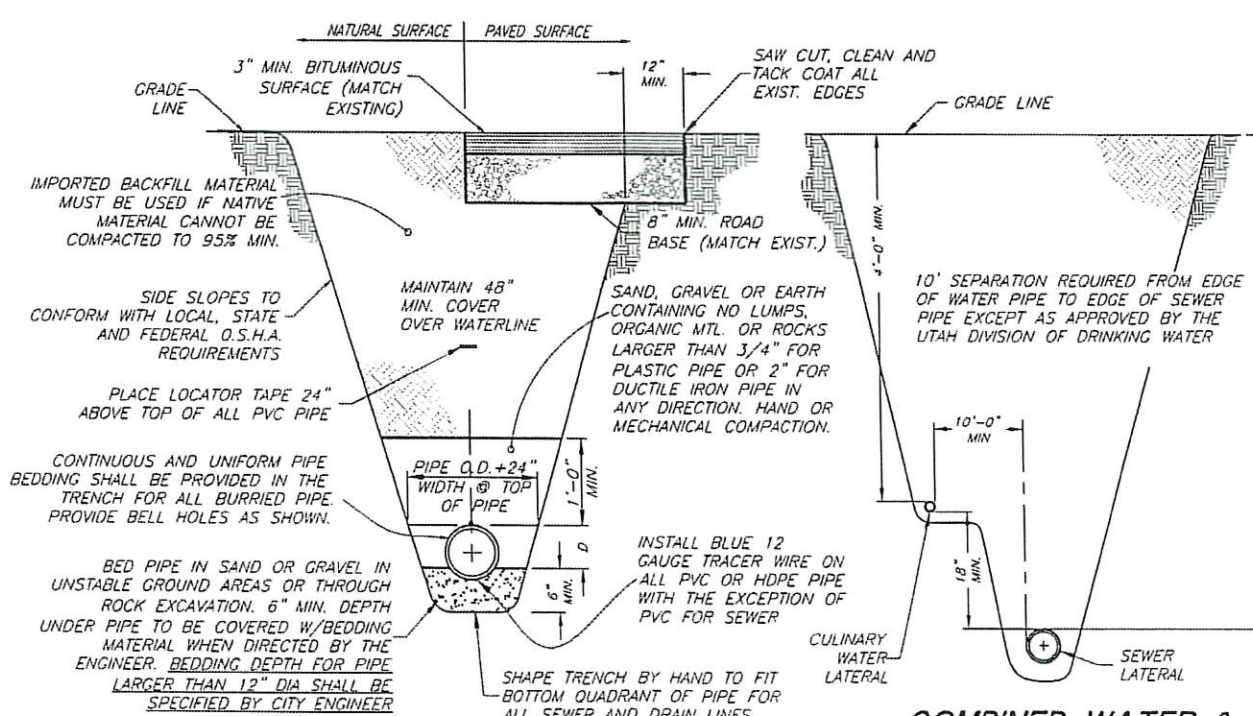
GENERAL NOTES:

1. PROPERTY OWNER OR CONTRACTOR SHALL PAY FOR ALL COSTS OF INSTALLATION INCLUDING ALL MATERIALS, ALL EXCAVATION AND FILL, ASPHALT REPLACEMENT AND WATER MAIN CONNECTION. CITY TO FURNISH METER (UP TO 1" SIZE) AT NO COST.
2. INSPECTION OF ALL WATER LINE INSTALLATIONS WILL BE DONE BY NORTH OGDEN CITY WATER DEPARTMENT, WITH A 48 HOUR MINIMUM NOTICE REQUIRED PRIOR TO START OF WORK.
3. IF APPLICABLE, A NORTH OGDEN CITY CUT PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO START OF WORK.
4. PROPERTY OWNER RESPONSIBLE FOR PIPING AND FITTINGS ON HOUSE SIDE OF THE METER.

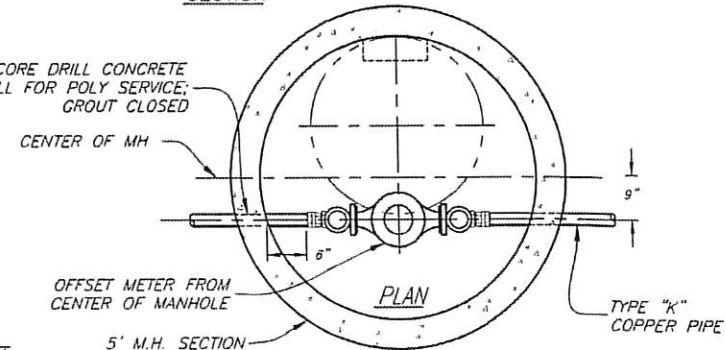
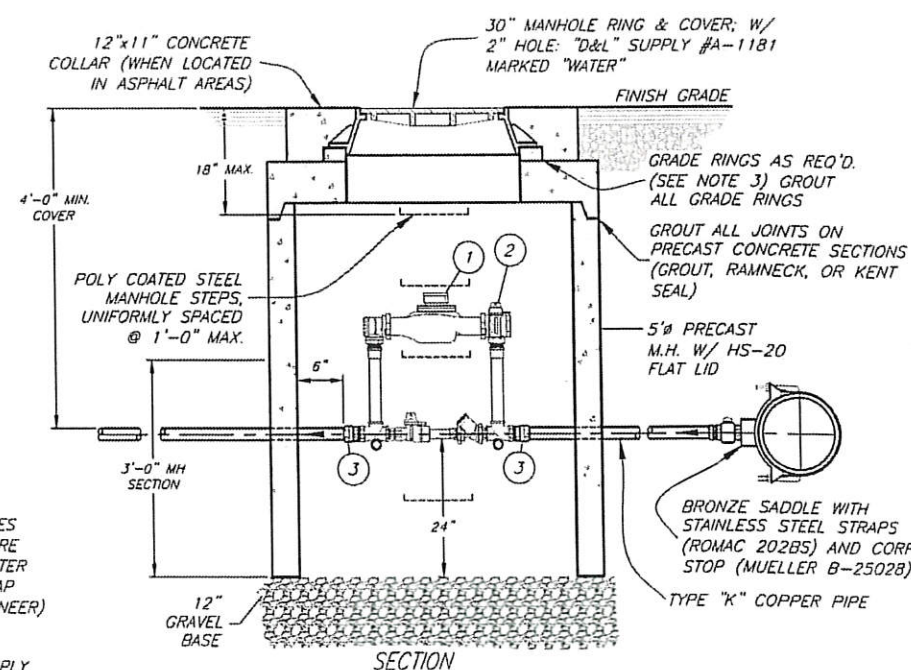
TYPICAL CULINARY WATER SERVICE CONNECTION



STANDARD WATER METER LOCATION



TYPICAL TRENCH SECTION (WATER, SEWER, AND STORM DRAIN)



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	"MUELLER" B-2423-2 METER YOKE (18" HEIGHT)	-	1 1/2"	2"
3	"MUELLER" 110 COMPRESSION CONN. COUPLING	-	1 1/2"	2"

1 1/2" & 2" METER NOTES:

1. 1 1/2" SERVICE LINE-13" METER
2" SERVICE LINE-17" METER
2. CITY SHALL SUPPLY METER.
3. NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE
4. 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.
5. ALL SERVICE LINES TO METER SHALL BE TYPE "K" COPPER.

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.

APPROVED
JAN 3 2021

PROJECT ENGINEER	DATE	REV.	DATE	APPR.

SCALE	DESIGNED	DRAWN	CHECKED
N.T.S.	JES	JES	JES

JONES & ASSOCIATES
CONSULTING ENGINEERS
6080 Fashion Point Drive
South Ogden, Utah 84403 (801) 476-9767

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

SHEET:
CW-01
OF 28 SHEETS
0

THRUST PER PSI OF WATER PRESSURE AT VARIOUS FITTINGS				
PIPE SIZE (IN.)	DEAD END OR TEE (LB.)	90° ELBOW (LB.)	45° ELBOW (LB.)	22-1/2° ELBOW (LB.)
4	19	27	15	7
6	39	55	30	15
8	67	94	51	26
10	109	154	84	43
12	155	218	119	61
14	210	296	161	82
16	272	383	209	106
18	351	494	269	137
20	434	611	333	169
24	623	878	487	244
30	947	1,332	722	377
36	1,356	1,905	1,032	542

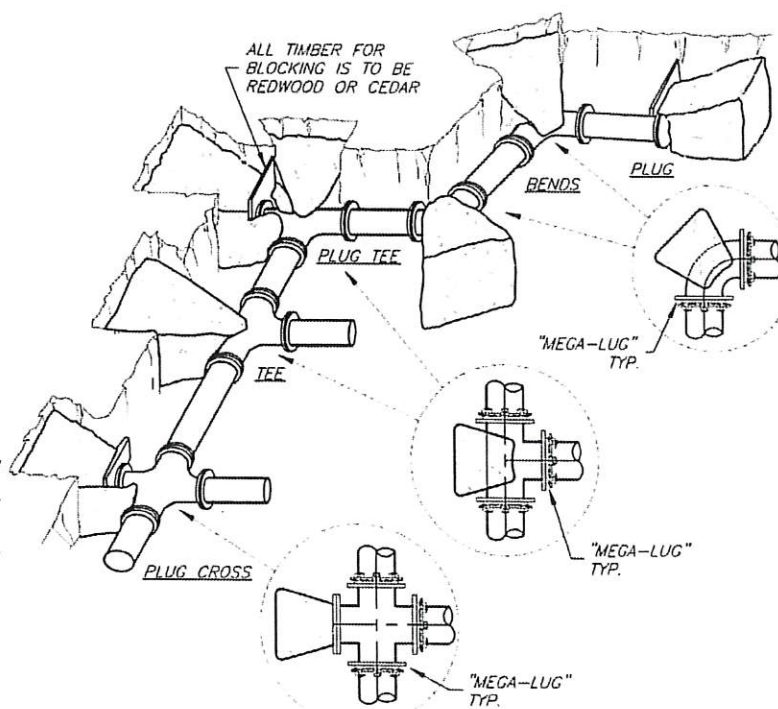
THRUST BLOCK TABLE NOTES:

- IN USING THE ABOVE TABLE, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (I.E. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT OFF, ETC.).
- SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL. IN THE ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.

EXAMPLE:

8-INCH 90° ELBOW, PRESSURE 200 LB./SQ. IN.
FROM TABLE: THRUST = 94 X 200 = 18,800 LB.
ASSUME BEARING STRENGTH = 2,000 LB./SQ. FT.

18,800
2,000 = 9.4 SQ. FT. AREA OF BEARING REQUIRED FOR THRUST BLOCK



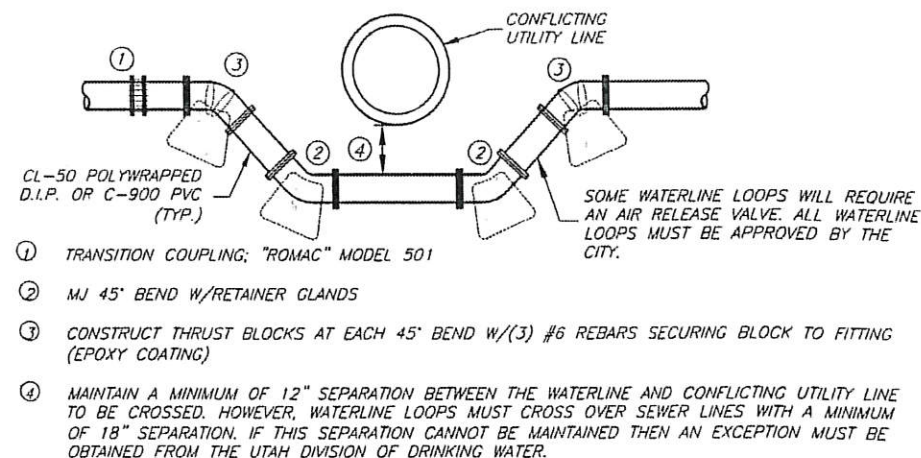
TYPICAL RETAINER GLANDS & THRUST BLOCKING

PIPE RESTRAINT

- ALL BENDS, CROSSES, TEES, REDUCERS, AND VALVES SHALL BE INSTALLED WITH RESTRAINING JOINTS ("MEGA-LUG" OR APPROVED EQUAL).
- DESIGN SHALL ALSO BE REQUIRED TO ENSURE ADEQUATE RESTRAINT FOR PIPING JOINTS NEAR FITTINGS BASED ON PIPE DIAMETER AND PIPE PRESSURE.

THRUST BLOCKING NOTES:

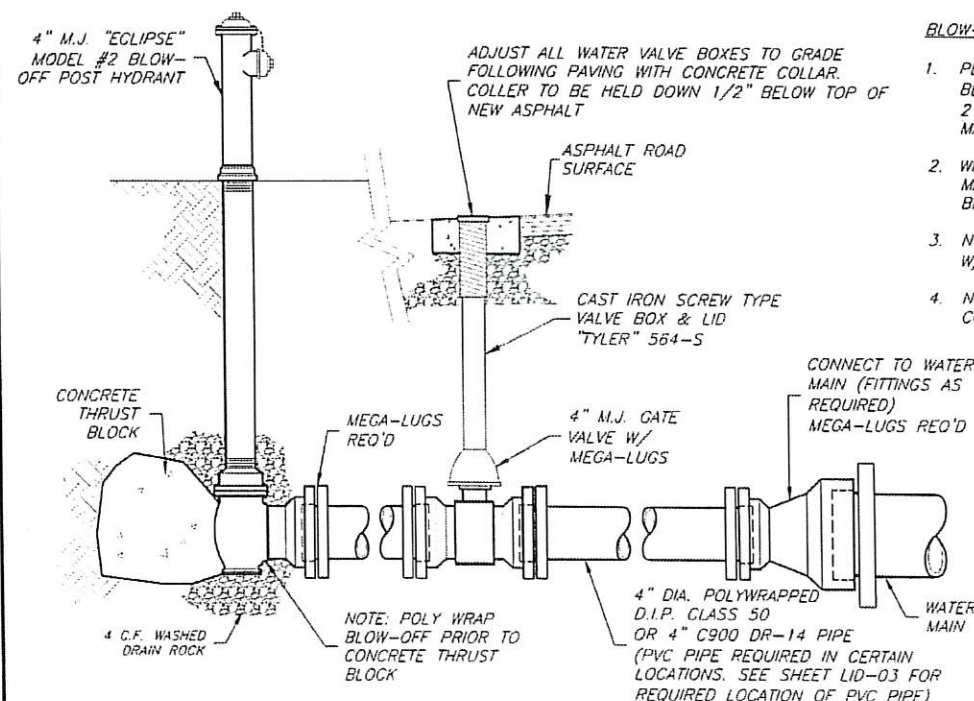
- CONCRETE SHALL NOT BE PLACED WITHIN 1-1/2" OF JOINTS AND BOLTS. COVER ALL METAL CONTACT AREAS WITH A POLY WRAP PRIOR TO CONCRETE PLACEMENT.
- IN THE ABSENCE OF A SOILS REPORT, ALL THRUST BLOCKS SHALL BE SIZED ON THE BASIS OF A MAXIMUM LATERAL BEARING VALUE FOR 2000 P.S.F. AND A THRUST RESULTING FROM 200% OF THE WATER LINE STATIC LINE TEST.
- THRUST BLOCKS ARE REQUIRED AT ALL BENDS OF 22-1/2° OR MORE.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 2500 PSI IN 28 DAYS.



TYPICAL WATERLINE LOOP

FIRE LINE NOTES:

- NO WATER SERVICE OR FIRE LINES TO BUILDINGS ARE PERMITTED TO CONNECT TO AUXILIARY LINES SERVICING FIRE HYDRANTS.
- COMMERCIAL FIRE LINES FROM THE MAIN TO BUILDING SHALL BE SEPARATE LINES AND NOT PART OF THE WATER SERVICE LATERAL.
- FIRE LINES ARE TO BE MAINTAINED BY THE PROPERTY OWNER UP TO THE VALVE AT THE MAIN. THE CITY SHALL OWN AND MAINTAIN THE FIRE SUPPRESSION LINE VALVE AT THE MAIN.
- FIRE HYDRANTS AND FIRE LINES ON PRIVATE PROPERTY SHALL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER UNLESS OTHERWISE SPECIFIED.
- FIRE HYDRANTS ARE TO BE INSTALLED IN LOCATIONS AS REQUIRED BY THE FIRE CODE AND APPROVED BY THE FIRE CHIEF AND CITY ENGINEER.
- FIRE HYDRANTS SHALL NOT BE CONNECTED TO, OR LOCATED WITHIN, 10 FEET OF SANITARY SEWERS. WHERE POSSIBLE, HYDRANT DRAINS SHALL NOT BE LOCATED WITHIN 10 FEET OF STORM DRAINS.



TYPICAL FLUSH VALVE CONNECTION

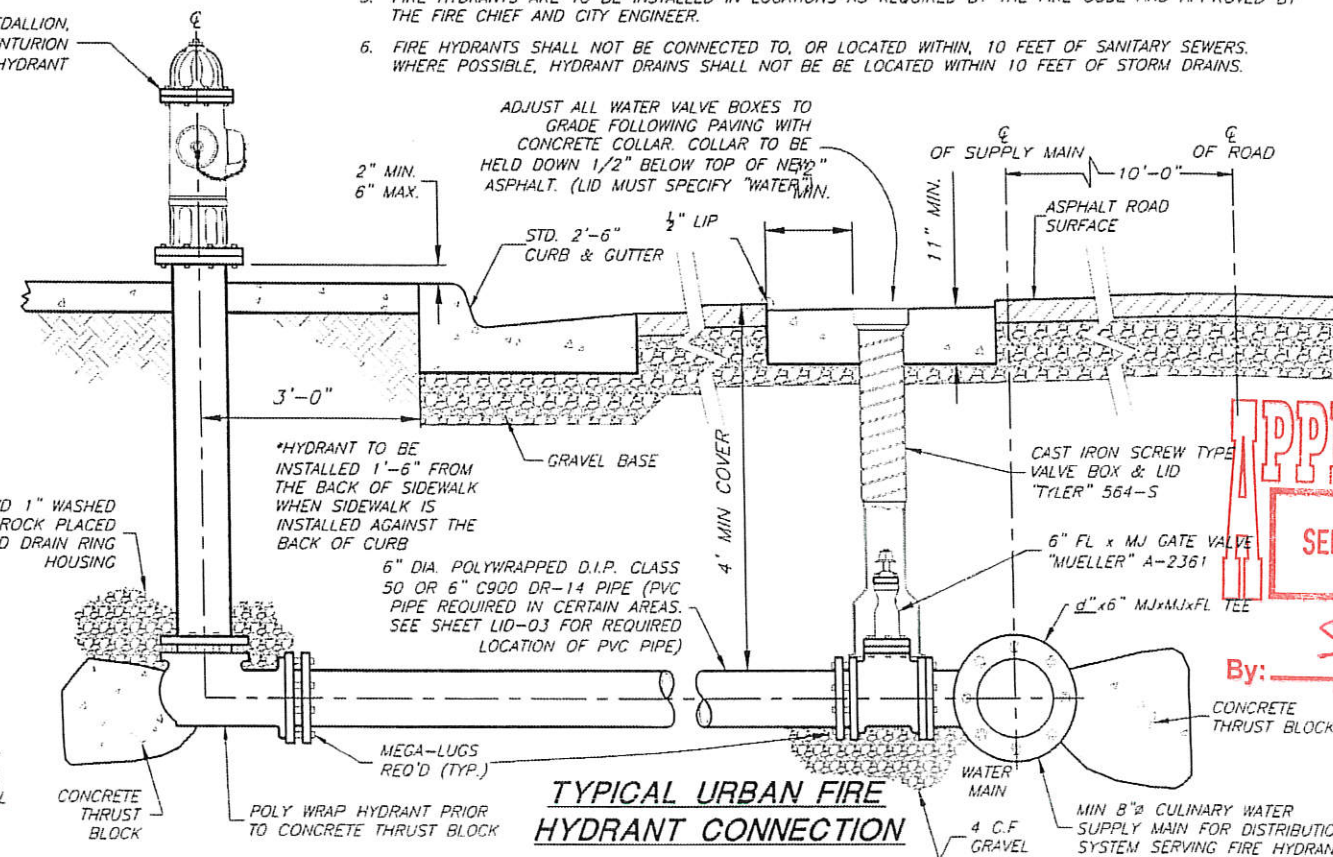
BLOW-OFF NOTES:

- PERMANENT BLOW-OFFS SHALL BE 4" AS SHOWN BELOW. TEMPORARY BLOW-OFFS MAY BE 2" WITH 2" POLY AND 2" GATE VALVE WITH VALVE BOX AT MAIN.
- WHEN TEMPORARY BLOW-OFFS ARE REMOVED THE MAIN SHALL ALSO BE REMOVED WHERE THE BLOW-OFF IS CONNECTED.
- NO TAPS ARE ALLOWED ON THE MAIN. USE A CAP W/ THREADED CORP STOP CONNECTION.
- NO FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO A SEWER LINE.

GENERAL NOTES:

- THE USE OF "BLUE" BOLTS AND NUTS IS APPROVED BY THE CITY.
- ALL WATER MAIN AND HYDRANT GATE VALVES TO BE "MUELLER" 350 PSI RESILIENT WEDGE A-2361 VALVES.
- 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.

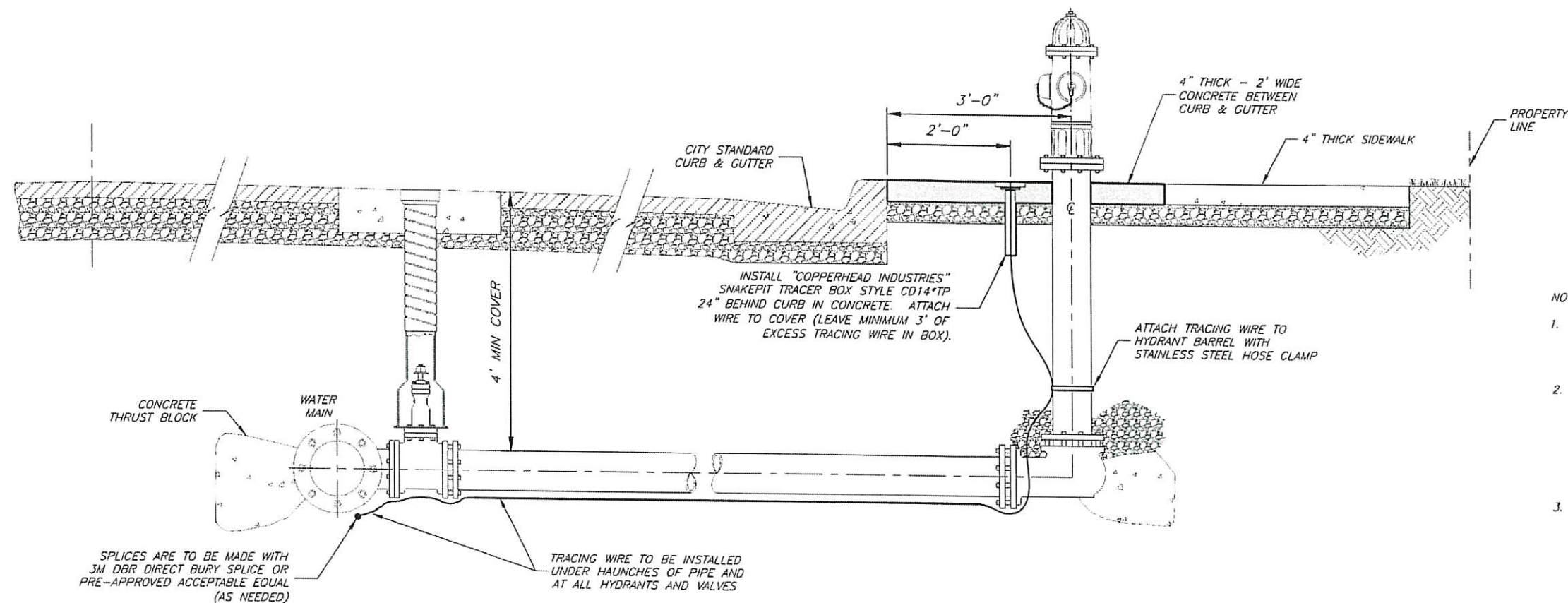
"CLOW" MEDALLION,
"MUELLER" CENTURION
OR "EJCO" FIRE HYDRANT



TYPICAL URBAN FIRE HYDRANT CONNECTION

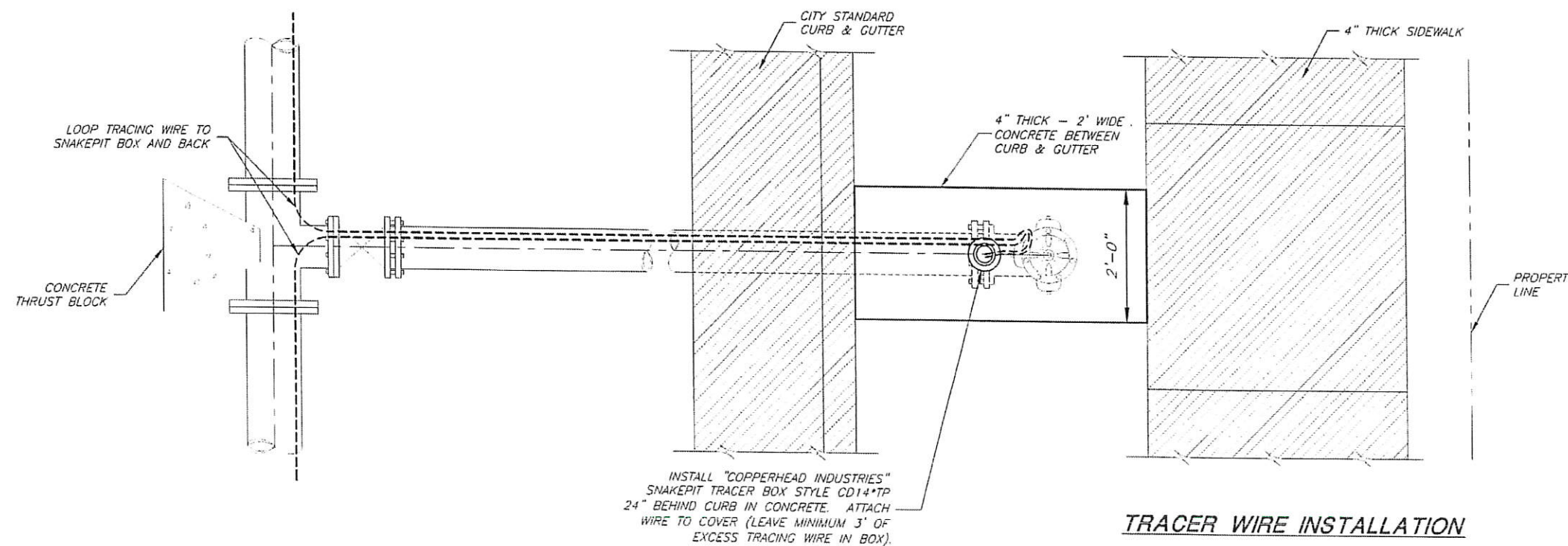
APPROVED
SEP 13 2021

By: *[Signature]*



NOTES:

1. ALL WATERLINES SHALL HAVE A MINIMUM 12 GA. INSULATED TRACING WIRE INSTALLED UNDER THE HAUNCHES OF THE PIPE PRIOR TO BACKFILLING.
2. TRACING WIRES SHALL TERMINATE AT ALL FIRE HYDRANTS. AT SERVICE SADDLES AND TAPPING SLEEVES, THE TRACING WIRE SHALL NOT BE ALLOWED TO BE PLACED BETWEEN THE SADDLE AND THE PIPE. A GROUNDING ROD SHALL BE INSTALLED AT ALL TRACER SYSTEM TERMINAL POINTS.
3. TRACING WIRE SHALL BE COPPER WIRE WITH BLUE INSULATION RATED FOR DIRECT BURIAL. ALL WIRE CONNECTORS SHALL BE 3M DBR DIRECT BURY SPLICE OR PRE-APPROVED ACCEPTABLE EQUAL AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONTINUITY.
4. ALL TRACING WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR PRIOR TO ASPHALT PLACEMENT. ANY TRACING WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR PRIOR TO ASPHALT PLACEMENT.



TRACER WIRE INSTALLATION



By:

PROJECT ENGINEER			
DATE			
REV.	DATE	APPR.	

SCALE:

N. T.S.

DESIGNED: JSA
DRAWN: BCB
CHECKED: JSA



CONSULTING ENGINEERS

6080 Fashion Point Drive
South Ogden, Utah 84403 (801) 476-9767

NORTH OGDEN CITY CORPORATION

PUBLIC WORKS STANDARDS

CULINARY WATER - TRACING WIRE INSTALLATION DETAILS

SHEET:

CW-03

OF 28 SHEETS

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