

GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS ORDINANCES & REQUIREMENTS OF PAYSON CITY SPECIFICATIONS APPROVED IN 2019 & CURRENT A.P.W.A. STANDARDS.
2. A PRE-CONSTRUCTION CONFERENCE WILL BE HELD A MINIMUM OF 48 HOURS PRIOR TO START OF WORK.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
4. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
5. EXISTING A.C. PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL OR PERPENDICULAR TO THE STREET OR DRIVEWAY CENTERLINE OR AS SHOWN ON PLANS AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING AS PER PAYSON CITY SPECIFICATIONS.
6. ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE.
7. CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT THE REQUEST OF THE AGENCY AND/OR THE ENGINEER.
8. THE LOCATIONS OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY.THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND OR OVERHEAD UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL BLUE STAKES PRIOR TO ANY CONSTRUCTIONS.
9. ALL CONTRACTORS WORKING WITHIN THE PUBLIC ROAD RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY PERMIT FROM PAYSON CITY AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION. ALL IMPROVEMENTS WITHIN UDOT S.R. 198 SHALL REQUIRE UDOT APPROVAL AND MEET UDOT SPECIFICATIONS.
10. ALL COSTS OF RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
12. THE FOUNDATION INVESTIGATION AND ALL ADDENDUM AND THE RECOMMENDATION THEREIN, PREPARED BY CMT ENGINEERING LABORATORIES DATED APRIL 2018, ARE TO BE CONSIDERED A PART OF THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING THE RECOMMENDATION IN SAID REPORT AND ADDENDUM INTO HIS/HER BID.
13. THE CONTRACTORS SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE, AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSIST OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
14. ALL ROADWAYS, CULINARY WATER, STORM DRAIN IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE A.P.W.A.
15. LOCATE ALL ABOVE GROUND APPURTENANCES (I.E. ELECTRICAL, TRANSFORMERS AND TELEPHONE PEDESTALS) BEHIND PROPERTY LINE IN THE PUBLIC UTILITY EASEMENT.
16. CONCRETE: CLASS 4000 PER APWA SECTION 03 30 04. PLACE PER APWA SECTION 32 16 13. CURE PER APWA SECTION 0339.
17. IF NECESSARY, PROVIDE CONCRETE THAT ACHIEVES DESIGN STRENGTH IN LESS THAN 7 DAYS. USE CAUTION, HOWEVER, AS SPIDER CRACKS DEVELOP IF AIR TEMPERATURE EXCEEDS 90 DEGREES F.
18. UNLESS SHOWN OTHERWISE, PROVIDE 1/2 INCH RADIUS ON CONCRETE EDGES EXPOSED TO PUBLIC VIEW.
19. EXPANSION JOINTS: FULL DEPTH 1/2 INCH THICK TYPE F1 JOINT FILLER MATERIAL PER APWA SECTION 32 16 13 MUST BE PLACED BETWEEN THE SIDEWALK AND THE APRON.
20. FINISH CONCRETE WITH FINE HAIR BROOM.

WATER

1. THE WATER SYSTEM SHALL BE CONSTRUCTED TO CONFORM WITH THE STANDARDS SET FORTH IN THE "STATE OF UTAH RULES FOR PUBLIC DRINKING WATER SYSTEMS", AND THE CURRENT PAYSON CITY SPECIFICATIONS AND STANDARD DRAWING.
2. WATER DISTRIBUTION MAINS 12" AND SMALLER SHALL BE CONSTRUCTED WITH PVC-C-900C (BLUE), PIPE GREATER THAN 12" TO BE PVC-C-905 (BLUE), CONFORMING TO CURRENT A.P.W.A. STANDARDS. THE PIPE SHALL BE INSTALLED IN WORKMANLIKE MANNER BY PERSONS PROPERLY QUALIFIED TO PERFORM SAID WORK AND SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE CITY ENGINEER. ALL WORK AND MATERIALS MUST CONFORM TO CURRENT REQUIREMENTS OF THE UTAH PUBLIC WORKS GENERAL CONDITIONS AND STANDARDS SPECIFICATIONS FOR CONSTRUCTION AND/OR PAYSON CITY.
3. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 4.0 FEET. AFTER INSTALLATION OF THE WATER MAINS, THE TRENCHES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY TO PREVENT FURTHER SETTLEMENT. ALL MAINS SHALL BE LEAK-TESTED, FLUSHED AND SANITIZED BEFORE CONNECTING TO THE MUNICIPAL SYSTEM.
4. HORIZONTAL AND VERTICAL SEPARATION OF CULINARY WATER AND SEWER SHALL BE IN COMPLIANCE WITH PAYSON CITY STANDARDS AND THOSE SET FORTH IN THE STATE CODES.
5. ALL GATE VALVES SHALL BE FLANGED AND/OR M.J. AND SHALL CONFORM TO CURRENT A.P.W.A. SPECIFICATIONS AND SHALL HAVE A 200 P.S.I. WORKING PRESSURE RATING. ALL VALVES SHALL BE ANCHORED IN CONFORMANCE WITH PAYSON CITY SPECIFICATIONS.
6. ALL TEES, PLUGS, CAPS AND BENDS, AND AT OTHER LOCATIONS WHERE UNBALANCED FORCES EXIST, SHALL BE SECURED AND ANCHORED BY SUITABLE THRUST BLOCKING AS SHOWN IN THE PAYSON CITY SPECIFICATIONS.
7. THE DISTRIBUTION SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH A.W.W.A. STANDARDS.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER, THREE (3) WORKING DAYS BEFORE INITIAL CONSTRUCTION BEGINS AND SHALL ALSO REQUEST PAYSON CITY DEPARTMENT OF PUBLIC WORKS INSPECTION OF WATER LINES AND APPURTENANCES TWENTY-FOUR (24) HOURS IN ADVANCE OF BACKFILLING.
9. CONTRACTOR TO FIELD VERIFY ALL VALVE BOX LID ELEVATIONS TO ASSURE THAT SAID LID ELEVATIONS MATCH FINAL STREET GRADE, AND ALL METER LID ELEVATIONS TO MATCH AN EXTENSION OF THE SIDEWALK GRADE.
10. UPON THE COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT A SET OF AS-BUILT PLANS TO THE ENGINEER.
11. RESIDENTIAL WATER SERVICE CONNECTIONS SHALL BE 1" IPS POLYETHYLENE WATER PIPE WITH 3/4" METER SETTER AND BOX. METER WILL BE FURNISHED AND INSTALLED BY THE CITY OR BUILDING CONTRACTOR.
12. ALL WATER VALVES WILL BE PLACED SO AS NOT TO CONFLICT WITH ANY CONCRETE CURB, GUTTER, VALLEY GUTTER, AND SIDEWALK IMPROVEMENTS.
13. ALL WATER METERS AND FIRE HYDRANTS ARE TO BE LOCATED OUTSIDE OF THE ROADWAYS AREA AND THERE MUST BE AT LEAST A THREE (3) FOOT SEPARATION BETWEEN ANY BACK OF SIDEWALK (OR CURB IF NO SIDEWALK) AND THE LEADING EDGE OF ANY FIRE HYDRANT SEE STANDARD PLAN 203.
14. PRESSURE IRRIGATION DISTRIBUTION MAINS SHALL BE CONSTRUCTED WITH PVC-C-900 (PURPLE), CONFORMING TO CURRENT APWA STANDARDS. THE PIPE SHALL BE INSTALLED IN WORKMANLIKE MANNER BY PERSONS PROPERLY QUALIFIED TO PERFORM SAID WORK AND SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE CITY ENGINEER. ALL WORK AND MATERIALS MUST CONFORM TO CURRENT REQUIREMENTS OF THE UTAH PUBLIC WORKS GENERAL CONDITIONS AND STANDARDS SPECIFICATIONS FOR CONSTRUCTION AND/OR PAYSON CITY.
15. LOCATE CULINARY WATER METER BOX A MINIMUM OF 1' BEHIND BACK OF WALK.
16. LOCATE PRESSURE IRRIGATION BOX A MINIMUM OF 1' BEHIND BACK OF WALK.
17. INSTALL FIRE HYDRANTS ON THE WATER MAIN SIDE OF THE STREET A MINIMUM OF 2' BEHIND BACK OF CURB.
18. LOCATE FIRE HYDRANT IN MIDDLE OF 6' X 6' CONCRETE APRON (SEE STANDARD PLAN 203).
19. HYDRANT: INSTALL HYDRANT AS PER A.P.W.A. PLAN NO. 511.
20. HYDRANT VALVE: INSTALL VALVE ON THE MAIN WITH A FLANGE CONNECTION TO TEE.

PAYSON 500 SOUTH WATERLINE IMPROVEMENTS

PAYSON, UTAH

DECEMBER 2023

-INDEX OF PLAN SHEETS-

SHEET	DESCRIPTION
1	COVER SHEET AND NOTES
ID-01	INDEX SHEET
CP-01 – CP-07	PLAN AND PROFILE SHEETS-GRADING
XS-01 – XS-02	DRIVEWAY CROSS SECTIONS
UT-01 – UT-04	PLAN AND PROFILE SHEET-UTILITIES
RW-01 – RW-11	BEVELED FACE BLOCK WALL DETAILS
DT-1 – DT-3	DETAILS SHEETS

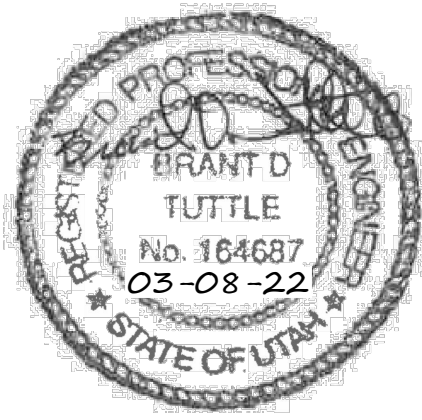
Only the culinary waterlines are part of this project.



PROJECT LOCATION

VICINITY MAP

- NTS -



ENGINEER

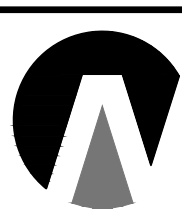
BRANT TUTTLE
NORTHERN ENGINEERING
1040 EAST 800 NORTH
OREM, UTAH 84097
TEL: 801-802-8992

SEWER

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST PAYSON CITY SEWER DEPARTMENT DESIGN STANDARDS & CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS.
2. FINAL APPROVAL AND ACCEPTANCE OF ALL SEWER CONSTRUCTION WILL BE BY THE PAYSON CITY SEWER DEPARTMENT.
3. MANHOLES SHALL BE CONSTRUCTED AS PER PAYSON CITY SEWER DEPARTMENT.
4. SEWER PIPE WITH COVER OF GREATER THAN 4 FEET , SHALL BE BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D-3034.
5. SEWER INSPECTIONS WILL BE BY THE PAYSON CITY SEWER DEPARTMENT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER. THE CONTRACTOR WILL NOTIFY THE PAYSON CITY SEWER DEPARTMENT 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REIMBURSE THE PAYSON CITY SEWER DEPARTMENT AT RATES ESTABLISHED BY THE PAYSON CITY SEWER DEPARTMENT FOR INSPECTION IN EXCESS OF THE NORMAL WORK WEEK, INCLUDING LEGAL HOLIDAYS, AND OVERTIME INSPECTION RATES.
6. STUBOUTS FOR SERVICE LINES SHALL BE MARKED IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER WHEN THIS IS ACCOMPLISHED SO THAT ANY DESTRUCTION OF SAME IS NOT BACK CHARGED TO THE SEWER CONTRACTOR.
7. PRIOR TO FINAL ACCEPTANCE, AFTER ALL UTILITIES ARE IN AND PRIOR TO PAVING, AN AIR TEST SHALL BE CONDUCTED. ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH PAYSON CITY SEWER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS.
8. ALL MANHOLES SHALL BE CONSTRUCTED SO AS TO BE WATER TIGHT AND WITH THE TOP OF CONE LOCATED WITHIN ONE (1) FOOT OF THE FINISHED GRADE. THE SEWER CONTRACTOR SHALL SUPPLY ALL LID ASSEMBLIES AND THE REQUIRED NUMBER OF RISER AND GRADE RINGS. THE SEWER CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF THE TOP OF THE MANHOLE CONE TO ASSURE THAT ALL RING ELEVATIONS MATCH FINAL STREET GRADES MANHOLES SHALL HAVE 12 INCH MAXIMUM GRADE RINGS.
9. THE CONTRACTOR SHALL NOTIFY THE DEVELOPER'S ENGINEER AND THE PAYSON CITY SEWER DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO COMMENCING CONSTRUCTION OF THE SANITARY SEWER. PAYSON CITY SEWER DEPARTMENT SHALL HAVE THE RIGHT TO INSPECT AND REJECT ALL CONSTRUCTION ASSOCIATED WITH SAID SANITARY SEWER CONSTRUCTION.
10. SERVICE STUBOUTS SHALL BE 4" IN DIA. AND WILL BE TO THE POINTS SHOWN ON THE DRAWINGS (5' FROM BLDG.) OR AS MARKED BY THE ENGINEER IN THE FIELD. SERVICE LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH PAYSON CITY SEWER DEPARTMENT STANDARDS. THOSE SEWER SERVICE STUBOUTS BEGINNING AT A MANHOLE IF ANY WILL HAVE THE TOP OF THE FOUR (4) INCH PIPE MATCH THE TOP OF THE EIGHT INCH PIPE. THE SEWER SERVICE MARKER SHALL BE IN PLACE FOR THE FINAL INSPECTION.
11. THE HORIZONTAL SEPARATION OF THE WATER AND SEWER MAINS SHALL BE A MINIMUM OF TEN (10) FEET.
12. GROUNDWATER LEVELS SHALL BE MAINTAINED BELOW THE BOTTOM OF THE TRENCH DURING THE PIPE LAYING AND PIPE JOINING OPERATIONS. BEDDING MATERIAL SHALL CONFORM TO THE PAYSON CITY SEWER DEPARTMENT REQUIREMENTS.
13. THE TRENCH BACKFILL ABOVE THE PIPE ZONE SHALL BE INSPECTED BY THE PAYSON CITY SEWER DEPARTMENT. COMPACTION TESTS FOR SAID BACKFILL SHALL BE CONDUCTED AND THE RESULTS SUBMITTED TO THE PAYSON CITY SEWER DEPARTMENT FOR FINAL ACCEPTANCE. CONTRACTOR IS RESPONSIBLE FOR ALL COMPACTION COSTS.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPACTION TESTING IN ACCORDANCE WITH THE UTAH PUBLIC WORKS STANDARDS CONSTRUCTION, PAYSON CITY AND PAYSON CITY SEWER DEPARTMENT.
15. ALL SEWER TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE PAYSON CITY SEWER DEPARTMENT SPECIFICATIONS. THE SEWER PIPE BEDDING SHALL BE IN ACCORDANCE WITH PAYSON CITY SEWER DEPARTMENT SPECIFICATIONS.
16. THE CONTRACTOR SHALL LEAVE THE EXCAVATION FOR THE UPSTREAM END OF ALL SERVICE LINES OPEN FOR FIELD VERIFICATION OF THE INVERT ELEVATION BY THE INSPECTOR. THE CONTRACTOR SHALL NOT BACKFILL THE ENDS OF SERVICE LINES UNTIL HE HAS OBTAINED APPROVAL FROM THE INSPECTOR.
17. THE CONTRACTOR SHALL PROVIDE PAYSON CITY SEWER DEPARTMENT INSPECTOR WITH "CUT SHEETS" FOR THE STAKING PROVIDED FOR CONSTRUCTION OF THE SANITARY SEWER. "CUT SHEETS" SHALL BE PROVIDED TO THE PAYSON CITY SEWER DEPARTMENT PRIOR TO CONSTRUCTION. ADDITIONALLY, TEMPORARY BENCH MARKS MUST BE PROVIDED TO THE PAYSON CITY SEWER DEPARTMENT, INSPECTION DEPARTMENT, BY THE OWNER, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
18. THE CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER IN ACCORDANCE WITH THE STAMPED PLANS APPROVED BY THE PAYSON CITY SEWER DEPARTMENT. THESE PLANS WILL BE PROVIDED TO THE CONTRACTOR BY THE PROJECT INSPECTOR PRIOR TO CONSTRUCTION. WORK SHALL NOT BE DONE WITHOUT THE CURRENT SET OF APPROVED PLANS.
19. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES & OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY NEW SEWER LINES.
20. MINIMUM OF FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.

ROADWAY/PARKING/STORM DRAIN

1. ALL ROADWAYS CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF THE PAYSON CITY SPECIFICATIONS. ALL IMPROVEMENTS WITHIN UDOT S.R. 198 SHALL REQUIRE UDOT APPROVAL AND MEET UDOT SPECIFICATIONS.
2. WHEN DISCREPANCIES OCCUR BETWEEN PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY NORTHERN ENGINEERING. UNTIMELY NOTIFICATION SHALL NEGATE ANY CONTRACTORS CLAIM FOR ADDITIONAL COMPENSATION.
3. INSPECTION OF WORK WITHIN THE PUBLIC RIGHT-OF WAY SHALL BE BY PAYSON CITY.
4. ALL TOPS OF VALVE BOXES AND SEWER MANHOLES SHALL BE SET FLUSH WITH THE SLOPE OF THE FINISHED STREET GRADES. THE ROADWAY CONTRACTOR SHALL INSTALL AND ADJUST ALL SPACERS, GRADE RINGS, MANHOLE RINGS AND LIDS. CONCRETE COLLARS SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT A.P.W.A. STANDARDS & SPECIFICATIONS. CONTRACTOR SHALL NOTIFY PAYSON CITY AND THE ENGINEER 24 HOURS PRIOR TO POURING CONCRETE COLLARS (STANDARD PLAN 343).
5. ALL COSTS OF TESTING AND RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE THE CONTRACTOR RESPONSIBILITY.
6. ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
7. ALL STORM DRAINAGE APPURTENANCES SHALL BE INSPECTED AND CERTIFIED BY PAYSON CITY.
8. ALL WORK SHALL BE INSPECTED BY THE CITY OF PAYSON.
9. ALL MATERIAL PLACED AS FILL OR BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH CURRENT A.P.W.A. STANDARD AND SPECIFICATION.
10. OVER EXCAVATION AND ADDITIONAL GRANULAR BACKFILL MAY BE REQUIRED IN HIGH GROUNDWATER AREAS WHICH ARE TO BE DETERMINED BY PAYSON CITY.
11. CURB, GUTTER, AND SIDEWALK SHALL BE POURED MONOLITHICALLY. SLOPE THE SIDEWALK TOWARD THE CURB AT 1/4" PER FOOT.
12. UNTREATED BASE COURSE: PROVIDE MATERIAL SPECIFIED IN APWA SECTION 32 11 23. DO NOT USE GRAVEL OR SEWER ROCK. PLACE PER APWA SECTION 32 05 10. COMPACT PER APWA SECTION 31 23 26 TO A MODIFIED PROCTOR DENSITY OF 95-PERCENT OR GREATER. MAXIMUM LOOSE LIFT THICKNESS IS 8-INCHES.

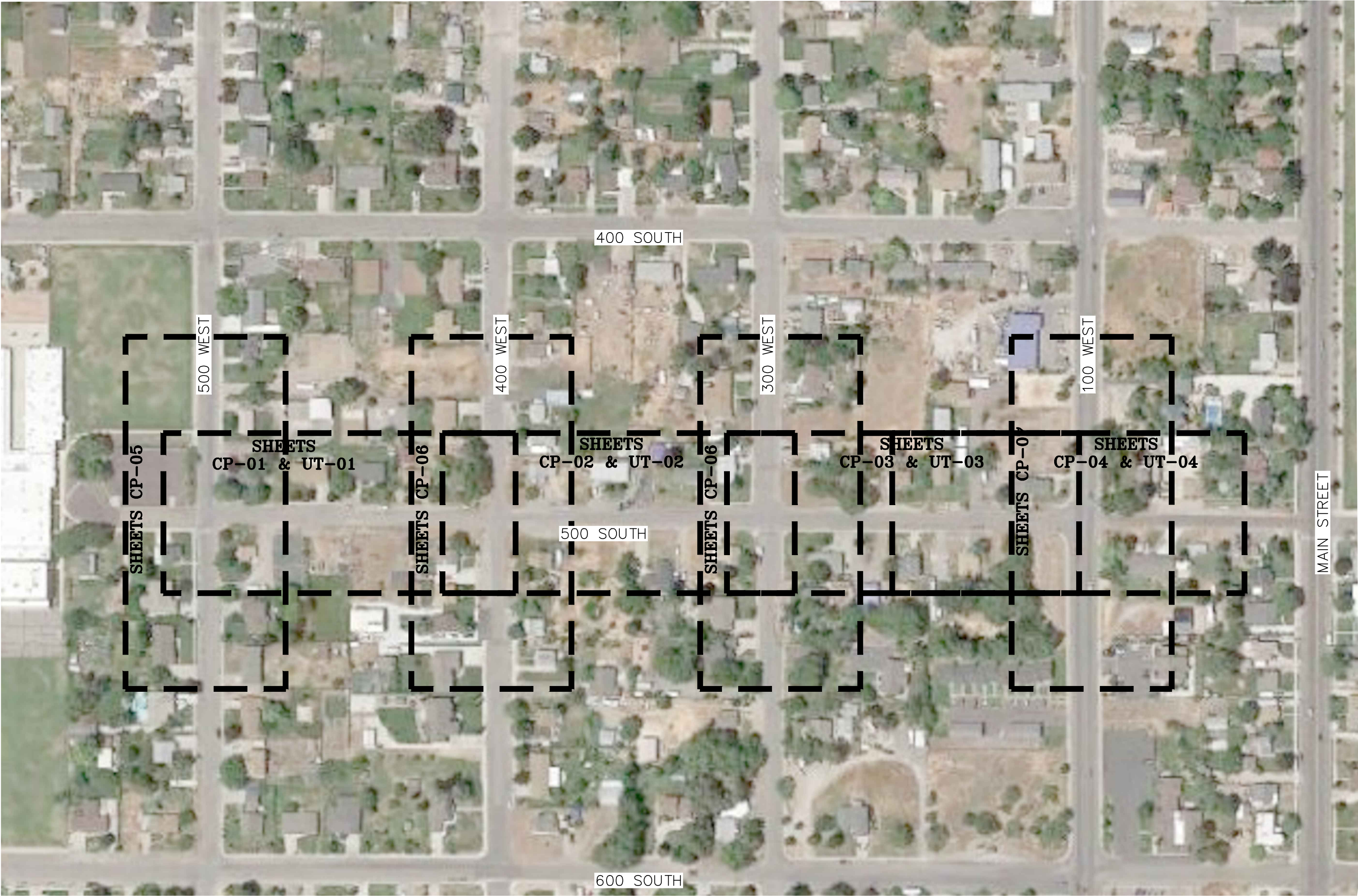


Northern
ENGINEERING INC
ENGINEERING-LAND PLANNING
CONSTRUCTION MANAGEMENT

1040 E. 800 N.
OREM, UTAH 84097
(801) 802-8992

JOB NO.
3-20-093

SHEET NO.
1



LEGEND

	SET SUBDIVISION MONUMENT
	FOUND BRASS CAP
	FOUND ALUMINUM CAP
	FOUND 5/8" IRON PIN
	FOUND 1/2" IRON PIN
	SET 5/8" IRON PIN
	SET 1/2" IRON PIN
	CALCULATED POINT, NOT SET
	EXISTING POWER POLE
	PROPOSED STREET LIGHT
	PROPOSED FIRE HYDRANT
	PROPOSED SIGN
	PROPOSED STREET SIGN
	PROPERTY BOUNDARY
	CENTERLINE
	RIGHT-OF-WAY LINE
	LOT LINE
	SECTION LINE
	EASEMENT
	EXISTING DEED LINE
	EDGE OF PAVEMENT
	EXISTING OVER HEAD POWER
	EXISTING FENCE LINE
	EXISTING DITCH
	EXISTING SANITARY SEWER W/MANHOLE
	PROPOSED PVC SDR-35 SEWER W/MH
	PROPOSED ADS STORM DRAIN W/MH
	EXISTING CULINARY WATER LINE
	PROPOSED C900 PVC CULINARY WATER LINE
	EXISTING PRESSURE IRRIGATION LINE
	EXISTING GAS LINE



(24"x36")
SCALE 1" = 200'
(11"x17")
SCALE 1" = 400'

THESE DRAWINGS, OR ANY PORTION THEREOF, SHALL NOT BE USED
ON ANY PROJECT OR EXTENSIONS OF THIS PROJECT EXCEPT BY
AGREEMENT IN WRITING WITH NORTHERN ENGINEERING, INC.

5			DESIGNED BY:	DATE:
4			DRAWN BY:	DATE:
3			CHECKED BY:	DATE:
2			APPROVED:	DATE:
1			COGO FILE:	DATE:
NO.	REVISIONS	BY	DATE	REV. COGO FILE:

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**Northern
ENGINEERING INC**
ENGINEERING-LAND PLANNING
CONSTRUCTION MANAGEMENT

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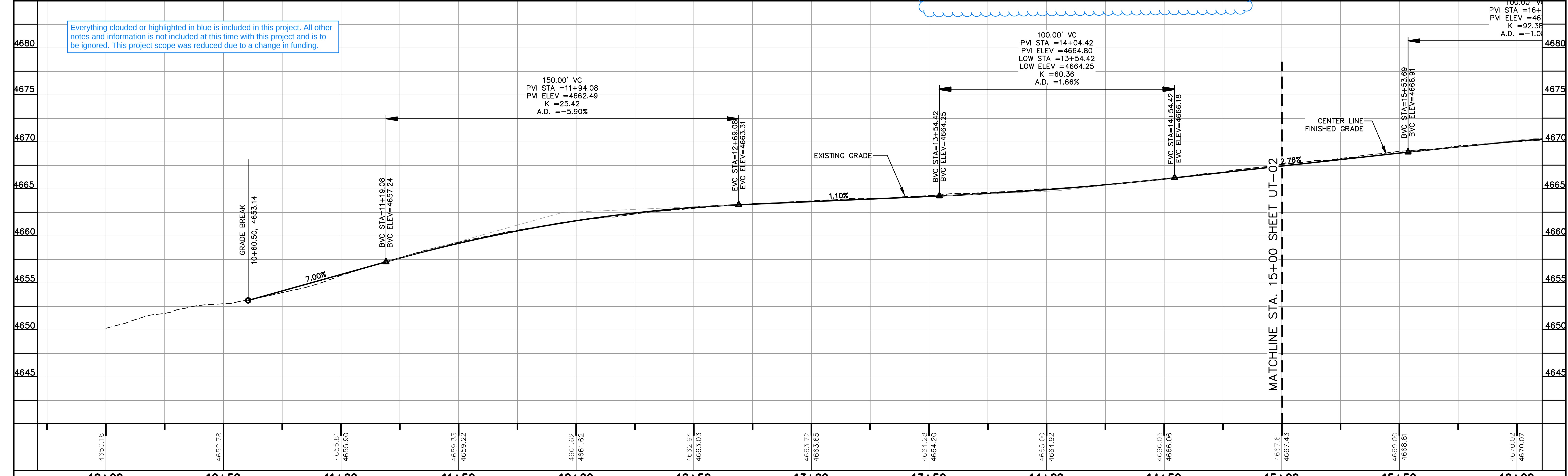
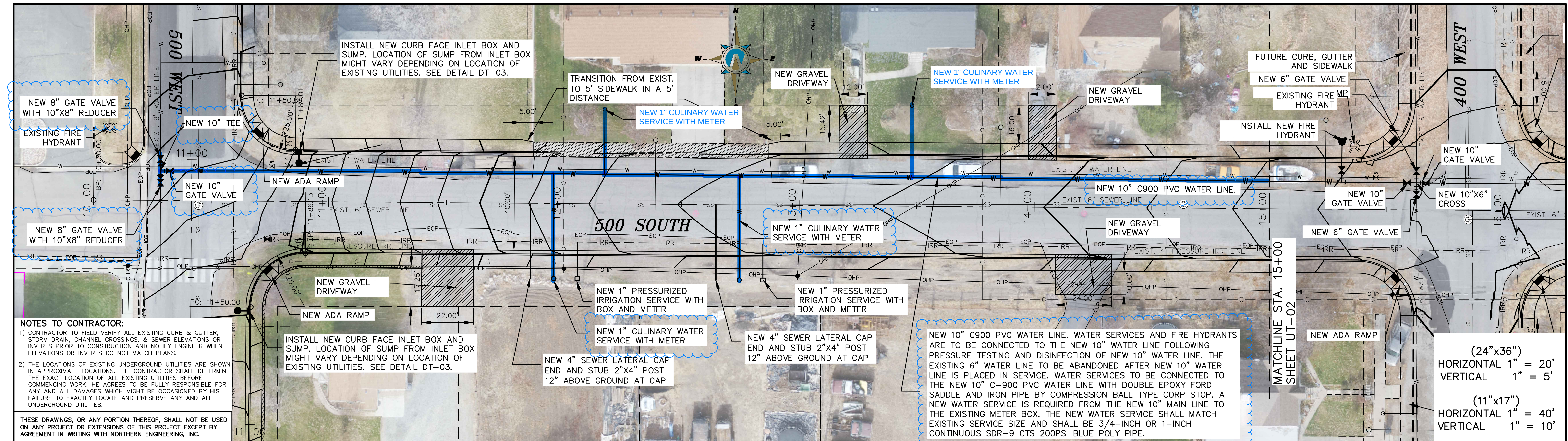
**500 SOUTH WATERLINE
IMPROVEMENTS**

INDEX SHEET

JOB NO.
03-20-093

PAYSON, UTAH

SHEET NO.
ID-01



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Northern
ENGINEERING INC
ENGINEERING-LAND PLANNING
CONSTRUCTION MANAGEMENT

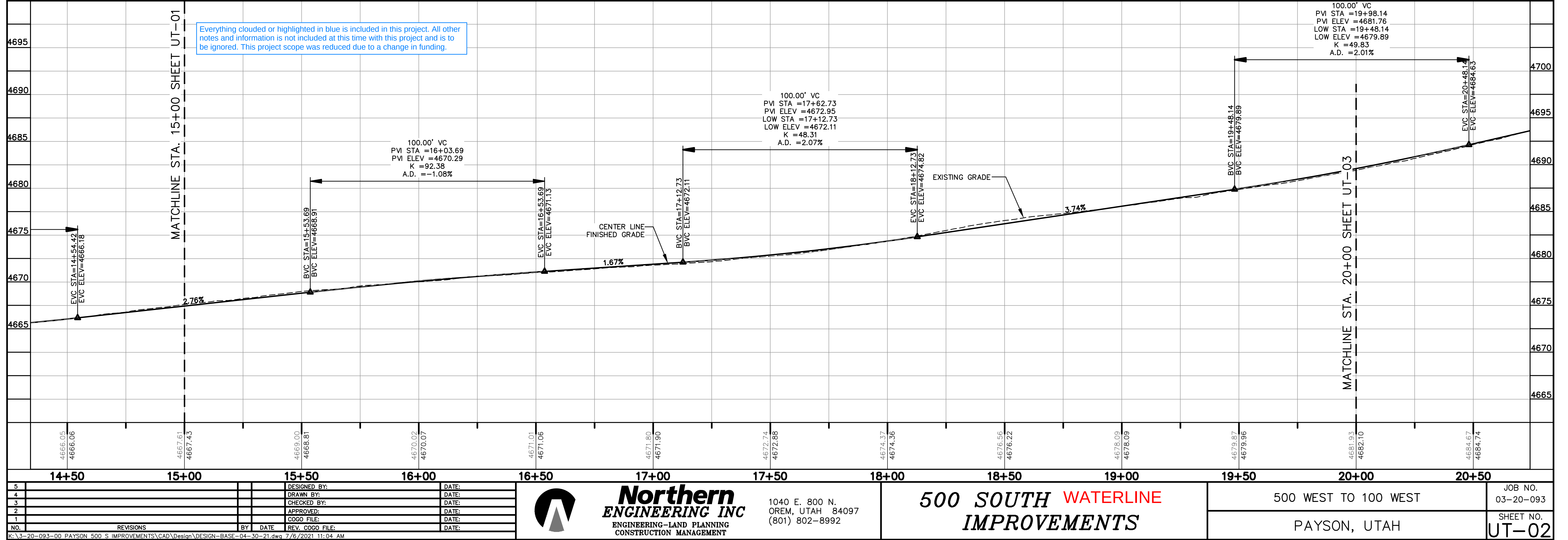
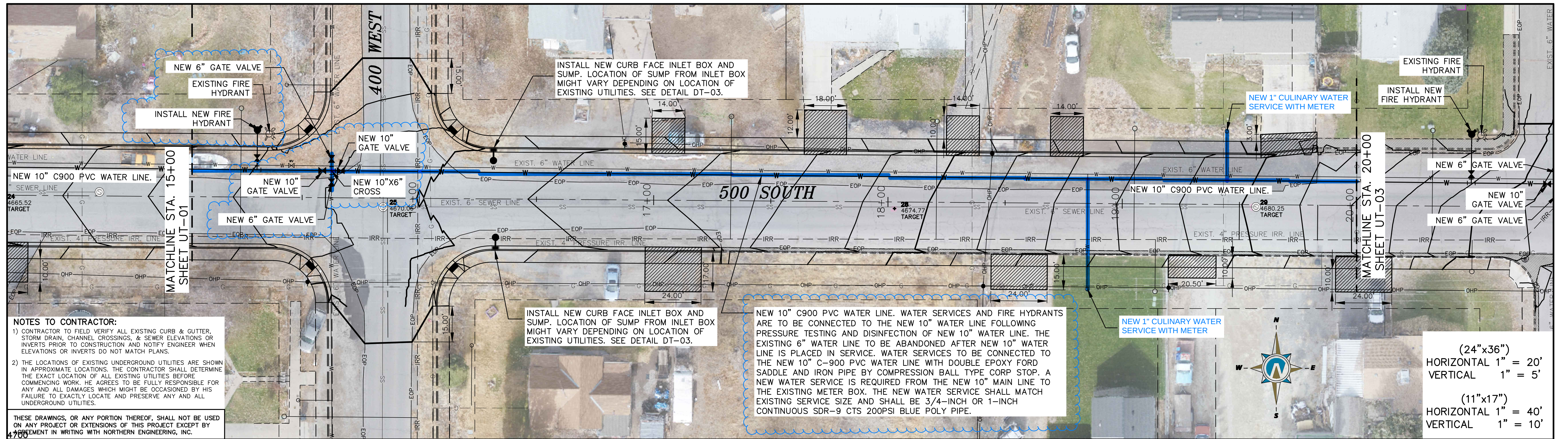
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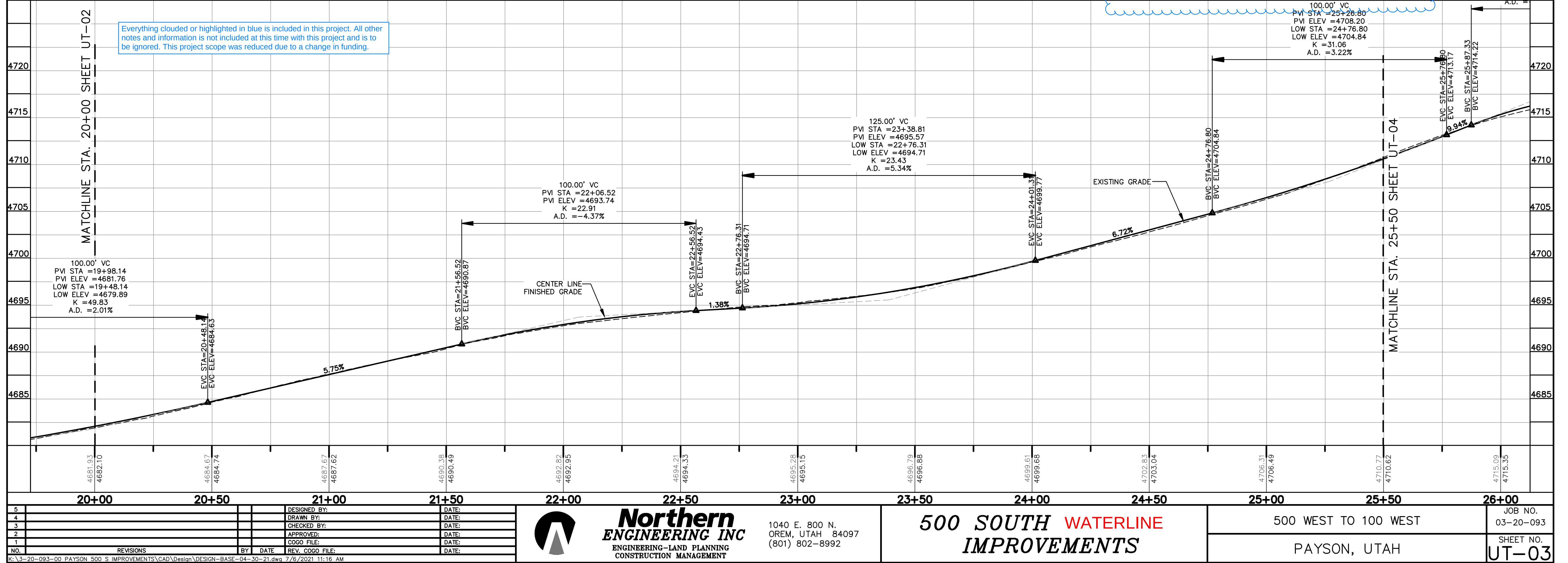
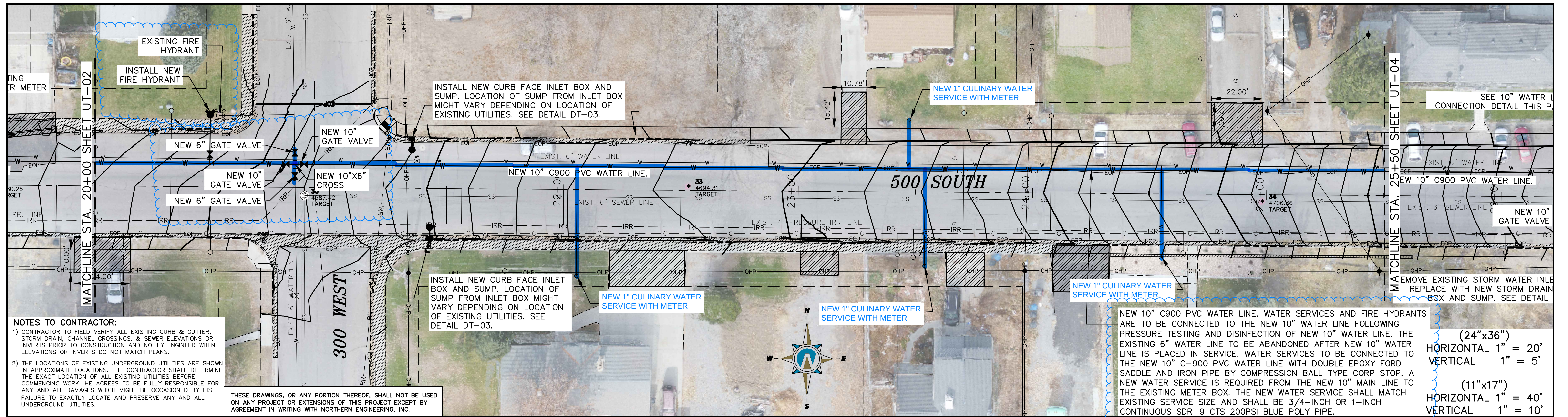
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IMPROVEMENTS

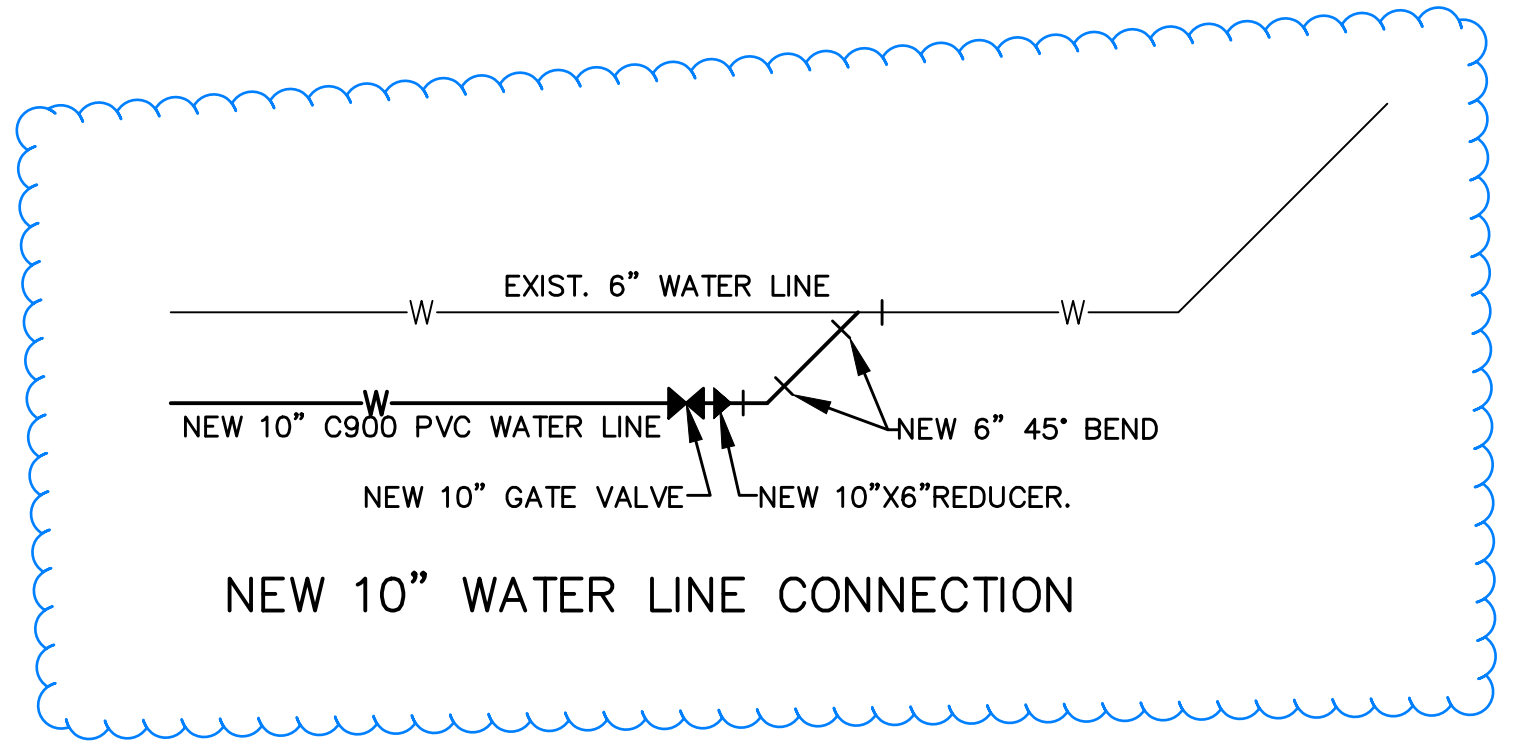
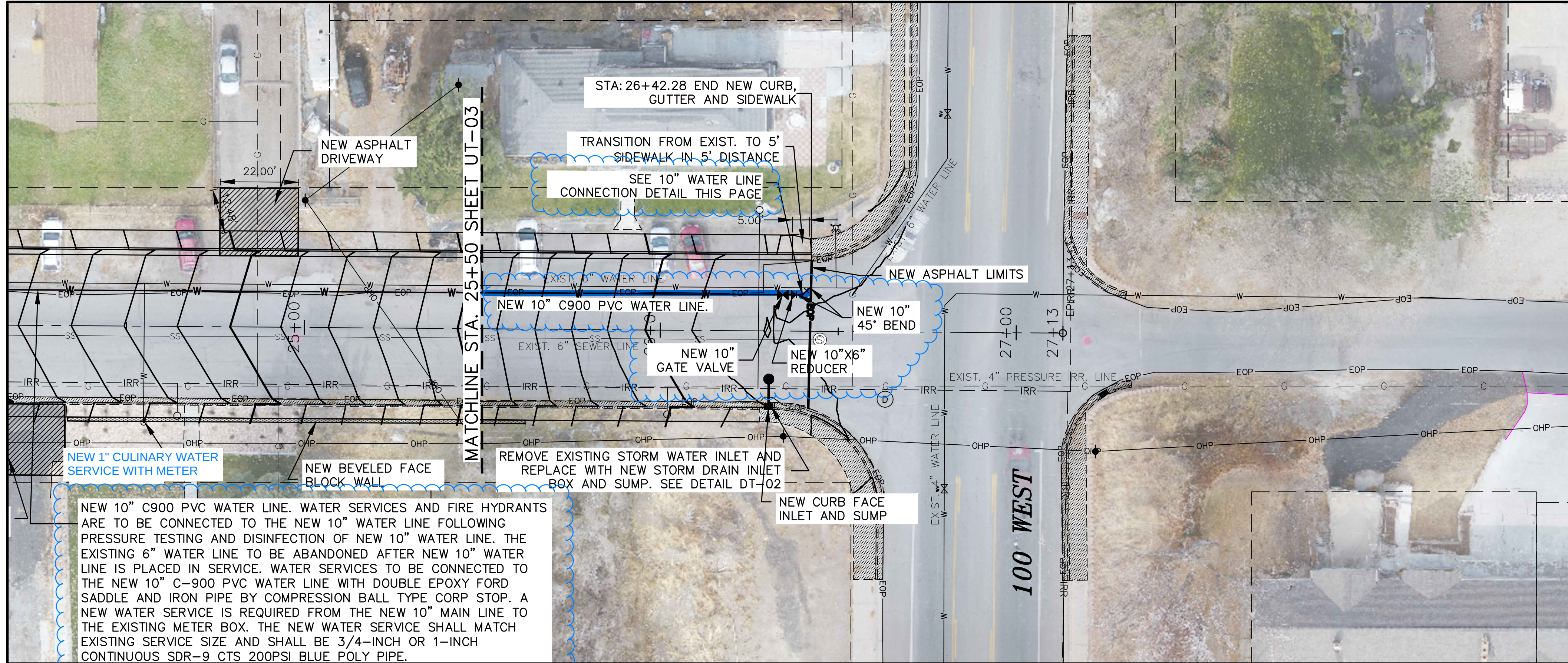
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PAYSON, UTAH

JOB NO.
03-20-093

SHEET NO.
UT-01



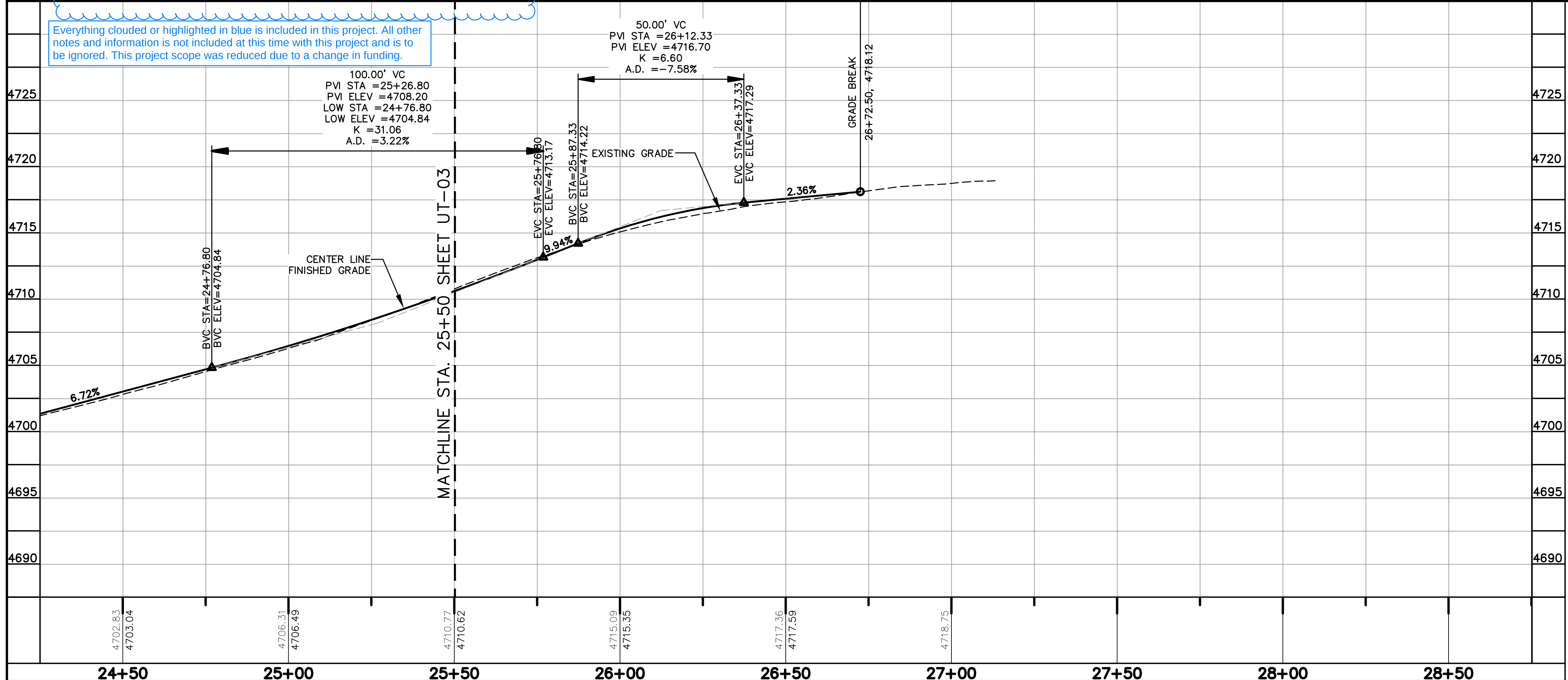




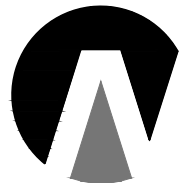
- NOTES TO CONTRACTOR:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL CROSSINGS, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
 - THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THESE DRAWINGS, OR ANY PORTION THEREOF, SHALL NOT BE USED ON ANY PROJECT OR EXTENSIONS OF THIS PROJECT EXCEPT BY AGREEMENT IN WRITING WITH NORTHERN ENGINEERING, INC.

(24"x36")
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

(11"x17")
HORIZONTAL 1" = 40'
VERTICAL 1" = 10'



24+50		25+00		25+50		26+00		26+50		27+00		27+50		28+00		28+50	
5																	
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1																	
NO.	REVISIONS			BY	DATE	REV. COGO FILE:			DATE:								



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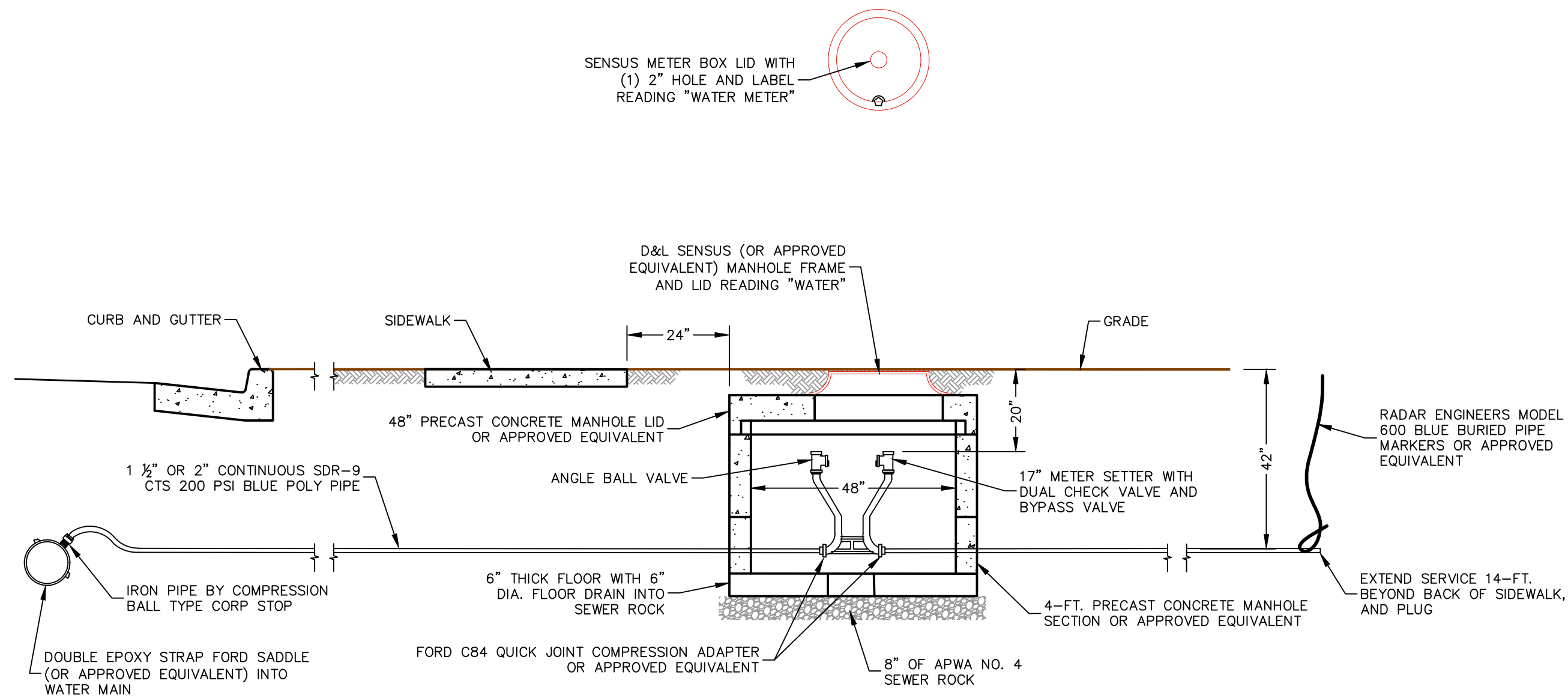
**500 SOUTH WATERLINE
IMPROVEMENTS**

500 WEST TO 100 WEST

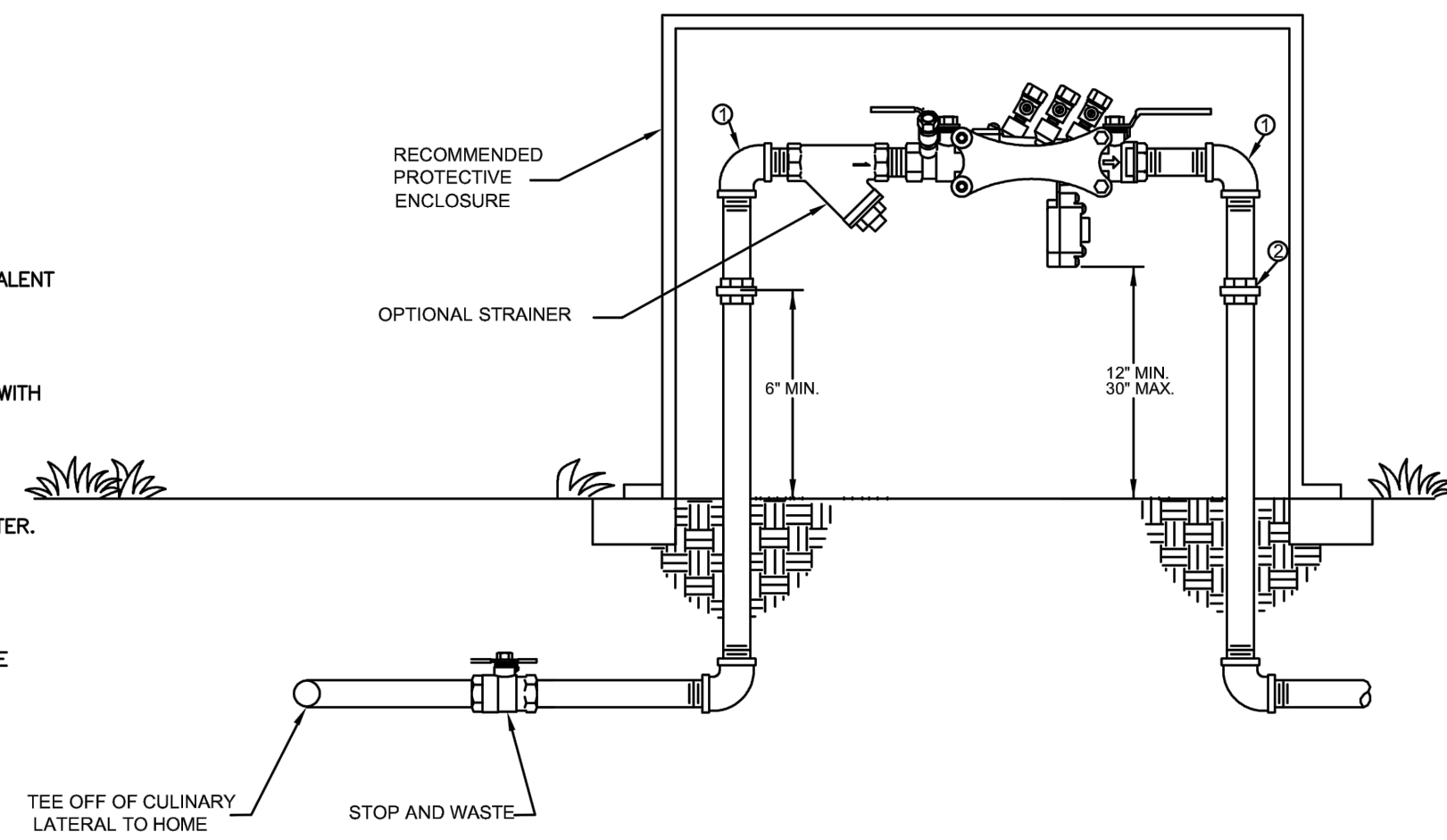
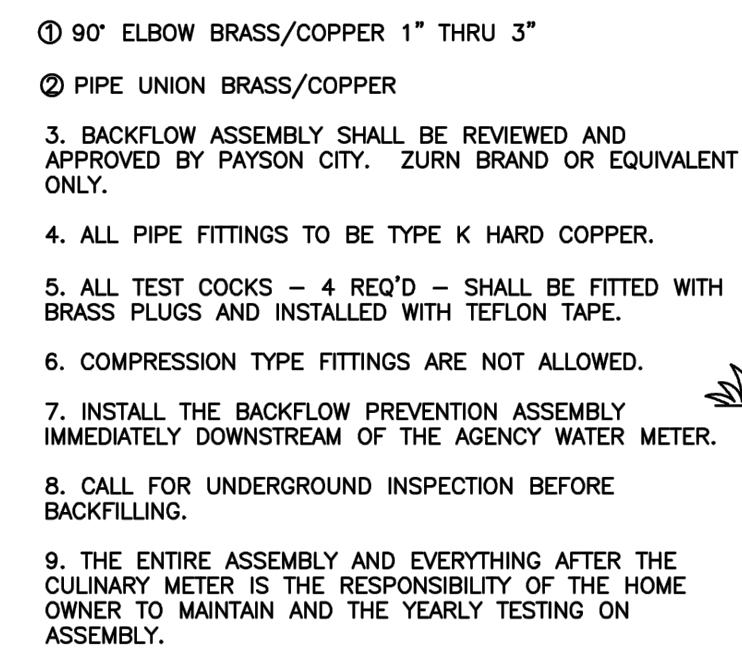
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JOB NO.
03-20-093

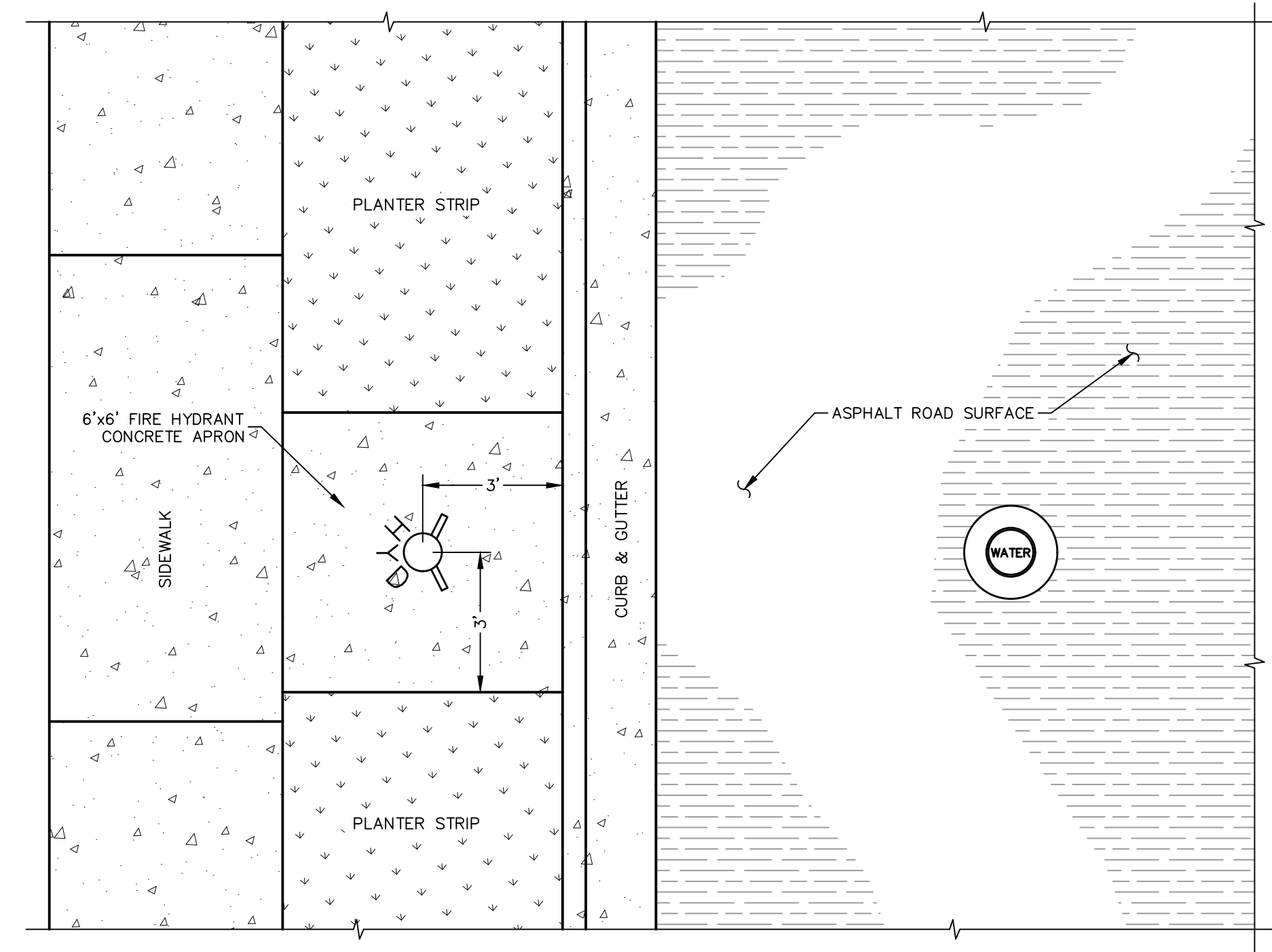
SHEET NO.
UT-04



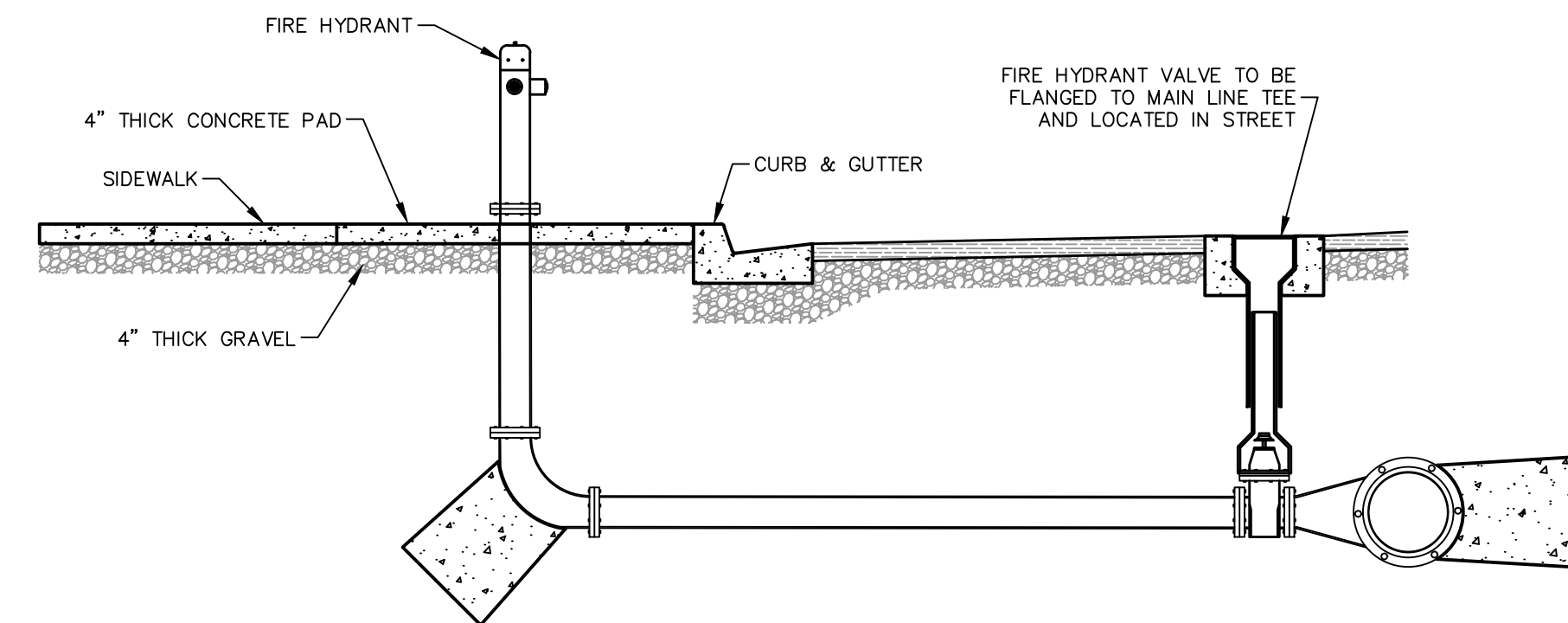
1.5" & 2" CULINARY AND PRESSURIZED IRRIGATION
METER DETAIL
- NTS -



1" - 3" BACKFLOW PREVENTION ASSEMBLY DETAIL
(OUTDOOR INSTALLATION)
- NTS -



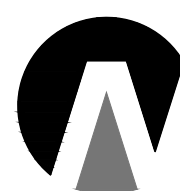
PLAN VIEW



SECTION VIEW
FIRE HYDRANT LOCATION AND
6' X 6' APRON DETAIL
- NTS -

Everything clouded or highlighted in blue is included in this project. All other notes and information is not included at this time with this project and is to be ignored. This project scope was reduced due to a change in funding.

5				DESIGNED BY:	DATE:
4				DRAWN BY:	DATE:
3				CHECKED BY:	DATE:
2				APPROVED:	DATE:
1				COGO FILE:	DATE:
NO.	REVISIONS		BY	DATE	REV. COGO FILE:
K:\3-20-093-00 PAYSON 500 S IMPROVEMENTS\CAD\Final\500 S_DETAIL_SHEETS.dwg 4/30/2021 2:55 PM					



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500 SOUTH WATERLINE IMPROVEMENTS

DETAILS

PAYSON, UTAH

JOB NO.
3-20-093

SHEET NO.
DT-2