

## **GENERAL NOTES:**

- 1) ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH ALL JURISDICTIONAL AUTHORITIES
- 2) CONTRACTOR SHALL COMPLY WITH THE STANDARDS INDICATED ABOVE AND WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES, OWNERS, ENGINEERS, AND UTILITY COMPANIES 5 DAYS PRIOR TO A PRE-CONSTRUCTION MEETING:

OWNER NIBLEY CITY

455 WEST 3200 SOUTH NIBLEY, UTAH 84321 PHONE: (435) 757-9848 FMAIL: TD@NIBLEYCITY COM CONTACT: TOM DICKINSON

ENGINEER:

**CRS ENGINEERS** 45 F 200 N Suite 107 Logan, UT, 84321 (435)374-4670 CONTACT: M. PIERCE

- IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR, IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE
- THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE, AND HAVE SPECIAL SKILLS ON THE NATURE, EXTENT, AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN CONSTRUCTION OF PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR PECULIAR SAFETY CONDITIONS, WHICH CONDITIONS COULD BE HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS-OF-WAY, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT WHERE APPLICABLE FOR ANY WORK DONE within rights-of-way or easements from Nibley City. Contractor shall notify City, County, AND/OR STATE, 24 HOURS IN ADVANCE OF COMMENCING THE WORK, OR AS REQUIRED BY SAID PERMITS. THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND, THROUGHOUT THE PERIOD OF THE CONTRACT, BE
- LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS. 10) CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY
- PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER. OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF, AND AT, THE SITE OF WORK. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION REFORE SUBMITTING THEIR BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE RELIED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR.

  CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER. FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.
- 11) THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- 12) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTORS USE DURING CONSTRUCTION. 13) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND/OR ENGINEER
- 14) THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, SECTION CORNERS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY UNNECESSARY LOSS OR DISTURBANCE. 15) THE CONTRACTOR AGREES THAT:
  - THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH DAY
  - THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.
  - C) THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL
  - D) THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.
  - THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND RE-INSPECTIONS AT THEIR OWN EXPENSE

- 16) THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE AND GROSS NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 17) DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NIBLEY CITY.
- 18) WHEN CONSTRUCTION STAKING IS REQUIRED THE CONTRACTOR SHALL NOTIFY THE ENGINEER/LAND SURVEYOR 1 WEEK IN ADVANCE OF THE NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS THAT IS ABOVE AND BEYOND STANDARD STAKING NEEDS INCLUDING RE-STAKING WILL BE SUBJECT TO A CONTRACTOR CHANGE ORDER AND THE IMPACT COSTS OF
- 19) FOR ALL WORK WITHIN PUBLIC RIGHTS-OF-WAYS OR EASEMENTS, THE CONTRACTOR SHALL PRESERVE THE INTEGRITY AND LOCATION OF ANY AND ALL PUBLIC UTILITIES AND PROVIDE THE NECESSARY CONSTRUCTION TRAFFIC CONTROL. CONTRACTOR SHALL, THROUGH THE ENCROACHMENT PERMIT PROCESS, VERIFY WITH THE NECESSARY REGULATORY AGENCIES, THE NEED FOR ANY TRAFFIC ROUTING PLAN. IF PLAN IS REQUIRED, CONTRACTOR SHALL PROVIDE PLAN AND RECEIVE PROPER APPROVALS PRIOR TO BEGINNING CONSTRUCTION.
- 20) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
- 21) IF EXISTING FEATURES NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING FEATURES FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING FEATURES SHALL BE INCLUDED IN THE BID PRICE FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT.
- 22) CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL SIZE AS BUILT DRAWINGS FROM THE TIME OF PROJECT COMMENCEMENT TO FINAL COMPLETION. AS BUILT DRAWINGS SHALL CLEARLY IDENTIFY ANY FIELD CHANGES, ACCOMMODATIONS, REVISIONS OR OTHER ALTERATIONS TO THE PROJECT THAT OCCURRED DURING CONSTRUCTION. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE TO THE CITY A COPY OF THE FIELD REDLINES ALONG WITH A SEPARATE AS BUILT PLAN THAT INCLUDES SURVEYED DOCUMENTATION OF ALL REDLINED CHANGES THAT IS STAMPED AND CERTIFIED BY A REGISTERED PLS.
- 23) WORK IN EASEMENT AND/OR RIGHTS-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHTS-OF-WAY
- 24) NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE FASILY OBSERVED. VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND ANSWER ANY QUESTIONS BEFORE CONSTRUCTION.
- 25) FURNISH, MAINTAIN, AND RESTORE ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
- PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH CITY, COUNTY, AND STATE REGULATIONS FOR WORKING IN THE PUBLIC WAY.
- 27) FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.
- 28) TRAFFIC CONTROL IS TO CONFORM TO THE CURRENT MUTCD AND UDOT STANDARDS.
- 29) CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS. ALL EXISTING ASPHALT WILL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO
- EXCAVATION. 31) STRIPING WILL BE PER THE PLANS AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. STRIPING TO INCLUDE HANDICAP INSIGNIAS, SIGNS, CROSS-HATCHING, DIRECTION ARROWS, ETC. AS SHOWN OR AS
- 32) ALL CHANGE OREDERS RESULTING IN A COST OR TIME INCREASE, OTHER THAN WEATHER RELATED TIME EXTENSIONS, SHALL BE APPROVED IN WRITING BY THE CITY PROJECT MANAGER PRIOR TO PERFORMING ANY WORK ASSOCIATED WITH THE CHANGE ORDER. FIFLD CHANGES ARE CONSIDERED TO BE NO-COST OR NO-TIME CHANGES TO THE PROJECT UNLESS THE CONTRACTOR SUBMITS A CHANGE ORDER FOR ADDITIONAL COST OR TIME PRIOR TO DOING THE WORK.
- THE CONTRACTOR SHALL PROVIDE REASONABLE STAFF AND EQUIPMENT ON THE PROJECT SITE FOR AT LEAST 8 HOURS A DAY, 40 HOURS IN A WEEK FROM THE DATE OF COMMENCEMENT TO THE DATE OF FINAL ACCEPTANCE IN ORDER TO COMPLETE THE WORK PER THE PROJECT SCHEDULE. IF ADEQUATE STAFF AND EQUIPMENT IS NOT ONSITE DURING A GIVEN DAY / WEEK, THE CITY SHALL NOTIFY THE CONTRACTOR BY MEANS OF A "CURE LETTER" DOCUMENTING THE SAME, AND THE CONTRACTOR SHALL RESPOND WITH INFORMATION DOCUMENTING HOW THE SCHEDULE WILL BE KEPT. INSUFFICIENT RESPONSE TO A CURE LETTER MAY RESULT IN TERMINATION OF THE PROJECT CONTRACT.

## **GENERAL CLEARING AND GRADING NOTES:**

- CLEARING, GRUBBING AND DISPOSAL OF VEGETATIVE MATERIAL NEEDS TO BE IN ACCORDANCE WITH STATE AND COUNTY REGULATIONS, WHICH APPLY TO SOLID WASTE
- CONTRACTOR SHALL PERFORM EARTHWORK IN ACCORDANCE WITH NIBLEY CITY STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARDS, EROSION, SEDIMENT, RE-VEGETATION REQUIREMENTS, AND THE SWPPP PLAN AS REQUIRED BY THE STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY AND DIVISION OF AIR QUALITY. THE CONTRACTOR WILL ALSO PERFORM EARTHWORK IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS OUTLINED IN THE CONSTRUCTION STANDARDS AND THE RECOMMENDED EARTHWORK SPECIFICATIONS FOUND IN THE GEOTECHNICAL REPORT PROVIDED BY CMT ENGINEERING LABORATORIES DATED SEPTEMBER 20, 202
- SEDIMENTATION BMP'S SHOWN ON THE EROSION CONTROL AND SEDIMENT CONTROL PLANS (STORM WATER POLLUTION PREVENTION PLAN) TO BE INSTALLED WITHIN THE SAME WORKING DAY THE LAND DISTURBANCE OCCURS.
- 4) DUST CONTROL BMP'S ARE TO BE ON SITE AND IMPLEMENTED AS SOON AS LAND DISTURBANCE OCCURS. THE EXISTING TOPOGRAPHY SHOWN ON THESE PLANS IS BASED ON DRAWINGS AND A TOPOGRAPHIC SURVEY PERFORMED BY CRS ENGINEERS. IF THE EXISTING GRADE IS DIFFERENT FROM WHAT IS SHOWN ON THE GRADING PLAN, STOP WORK AND CONTACT CRS ENGINEERS. WORK IS TO REMAIN STOPPED UNTIL THE ENGINEER PROVIDES A WRITTEN NOTICE TO RESUME WORK.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS, STORM DRAINS, CHANNELS, DITCHES, AND SWALES FREE FROM DEBRIS, SOIL, MUD, OR OTHER MATERIALS THAT WOULD CAUSE A PUBLIC SAFETY CONCERN OR VIOLATE ANY CITY, STATE, OR FEDERAL LAWS. STREET SWEEPING SHALL BE PERFORMED DAILY, OR MORE FREQUENTLY AS REQUESTED BY THE CITY, TO REMOVE CONSTRUCTION RELATED DEBRIS FROM ROADWAYS TRAVELED BY THE GENERAL PUBLIC.
- BMP'S ARE TO BE IN PLACE AND MAINTAINED UNTIL WRITTEN NOTIFICATION IS RECEIVED FROM NIBLEY CITY.
- IF DISTURBANCE OCCURS OUTSIDE THE LIMITS OF DISTURBANCE, WORK WILL STOP AND REMAIN STOPPED UNTIL A WRITTEN RESPONSE IS RECEIVED FROM THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION AND DELETERIOUS MATERIALS FROM THE SITE LINI ESS NOTED OTHERWISE

10) NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ONE APPROACH TO SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER

## **GENERAL UTILITY NOTES**

**LINFAR FFFT** 

LOW POINT

MAXIMUM

MITMINI

MEG

MIN

MJ

MATCH EXISTING GRADE

MECHANICAL JOINT

- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION, NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTORS WORK FORCE.
  - START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UPHILL. FAILURE TO COMPLY WITH THIS NOTE SHALL RELEASE THE CIVIL ENGINEER OF ALL LIABILITY.
- CONTRACTOR SHALL LAYOUT AND POTHOLE FOR ALL POTENTIAL CONFLICTS WITH UTILITY LINES ON OR OFF SITE AS REQUIRED PRIOR TO ANY CONSTRUCTION.
- STORM DRAIN SEE NIBLEY CITY STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE STORM DRAIN & APPURTENANCES WITHIN THE PUBLIC RIGHT-OF-WAY AS SHOWN ON THIS PLAN. SEE THE DETAILS PROVIDED ON THIS SET OF DRAWINGS FOR ALL OTHER STORM DRAIN CONSTRUCTION. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY STANDARDS AND DETAILS.
- ALL DIMENSIONS AND GRADES OF EXISTING STORM DRAIN PIPES, BOX CULVERTS, STRUCTURES, ETC. SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- THESE PLANS SHOW THE LOCATION OF POWER, NATURAL GAS, AND COMMUNICATIONS UTILITIES, BUT ARE NOT DESIGN DRAWINGS FOR THE RELOCATION OR REMOVAL OF EXISTING DRY UTILITIES, NOR FOR ANY NEW DRY UTILITY STUBS. CONTRACTOR IS TO SUBMIT SITE PLAN TO DRY UTILITIES FOR DESIGN OF SERVICE CONNECTIONS TO BUILDING. ACTUAL CONSTRUCTION OF SAID SERVICES TO BE DONE BY RESPECTIVE LITILITY PROVIDERS
- TO PROVIDE ADEQUATE TIME TO RESOLVE ISSUES THAT MAY ARISE DUE TO CONFLICTS THAT MAY BE ENCOUNTERED, CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTHS OF UNDERGROUND UTILITIES AND FACILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AND 2 WEEKS IN ADVANCE OF UNDERGROUND RELATED CONSTRUCTION ACTIVITIES IN THE AREA. IF A CONFLICT IS IDENTIFIED THAT CAUSES DELAYS RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO POTHOLE IN ADVANCE, ALL REASONABLE COSTS ASSOCIATED WITH THE DELAY IN RESOLVING THE CONFLICT SHALL BE BORN BY THE CONTRACTOR EXCLUSIVELY.ALL DIMENSIONS, GRADES, AND UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT
- NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.

ALL EXISTING MANHOLES, WATER VALVES, CLEAN OUTS, ETC., ARE TO BE RAISED OR LOWERED TO GRADE.

ABBREVIATIONS  ABBREVIATIONS  N  NORTH				
	APPROX	APPROXIMATE	N/A	NOT APPLICABLE
	ASTM	AMERICAN SOCIETY FOR TESTING AND	NIC	NOT IN CONTACT
	7131111	MATERIALS	NO	NUMBER
	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NTS	NOT TO SCALE
	APWA	AMERICAN PUBLIC WORKS ASSOCIATION	OC	ON CENTER
	AWWA	AMERICAN WATER WORKS ASSOCIATION	OD	OUTSIDE DIAMETER
	BF		OSHA	OCCUPATIONAL SAFETY & HEALTH
	BLDG	BLIND FLANGE BUILDING	001171	ADMINISTRATION
	C		PE	PLAIN END
	CTOC	CHORD LENGTH CENTER TO CENTER	PG	PAGE
			PI	POINT OF INTERSECTION
	CB	CHORD BEARING	PJ	PUSH-ON JOINT
	CI	CAST IRON	DI	DUCTILE IRON
	CL	CLASS	PSF	POUNDS PER FOOT
	CLR	CLEAR	PSI	POUNDS PER SQUARE INCH
	CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
	CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
	CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
	DI	DUCTILE IRON	R	RADIUS
	DIM	DIMENSION	RT	RIGHT
	E	EAST	RJ	RESTRAINED JOINT
	EA	EDGE OF ASPHALT	S	SOUTH
	EG	EXISTING GRADE	SEC	SECTION
	EL	ELEVATION	SS	
	ELEV	ELEVATION	STA	SANITARY SEWER
	EP	EDGE OF PAVEMENT	T	STATION
	EW	EACH WAY	TB	TOP THRUST BLOCK
	EX	EXISTING		
	FG	FINISH GRADE	TBA	TO BE ABANDONED
	FH	FIRE HYDRANT	TBC	TOT BACK COKB
	FL	FLOWLINE	TC	TOP OF CONCRETE
	FLG	FLANGE	TYP	TYPICAL
	FT	FEET	UDOT	UTAH DEPARTMENT OF TRANSPORTATION
	HDPE	HIGH DENSITY POLYETHYLENE PIPE	VERT	VERTICAL
	HORIZ	HORIZONTAL	W	WATER
	HP	HIGH POINT	W	WEST
	ID	INSIDE DIAMETER	W/	WITH
	IE	INVERT ELEVATION	WWF	WELDED WIRE FABRIC
	INV	INVERT		
	IR	IRON ROD		
	IRR	IRRIGATION		
	LT	LEFT		
	L	LENGTH		
	LBS	POUNDS		
		LINIE & D. EEET		

CONTACT INFORMATION

**CRS ENGINEERS** 

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REVISIONS

LEGAL NOTICE THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF CRS ENGINEERS AND IS NOT TO BE REPRODUCED MODIFIED OR LISED FOR

> ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH CRS ENGINEERS



 $\Box$ 

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MANAGER: M. PIERCE REVIEWER: J. AMES DRAFTER : B. SMURTHWAITE

> 2020-0022 05 JULY 2023

1200 WEST REDESIGN

1200 W

CONTACT INFORMATION THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATIONS. THE **CRS ENGINEERS** CONTRACTOR SHALL BE SATISFIED AS TO THEIR TRUE MEANING AND INTENT AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH. 45 EAST 200 NORTH, SUITE 107 LOGAN, UT 84321 P: 435.374.4670 PROJECT NOTES: 1) CANAL MUST BE MAINTAINED BETWEEN APRIL 15TH AND OCTOBER 15TH. COORDINATE WITH CANAL COMPANY AS NEEDED. 2) CONTRACTOR SHALL COMPLY WITH MUTCD TRAFFIC CONTROL STANDARDS. ALL ROAD CLOSURES MUST BE COORDINATED WITH CITY 5 BUSINESS DAYS PRIOR TO CLOSURE. 3) CONTRACTOR IS RESPONSIBLE FOR INSPECTIONS AND TESTING THROUGH A THIRD PARTY AS DEFINED IN THE INSTRUCTION TO BIDDERS. REVISIONS **ABBREVIATIONS** NORTH NOT APPLICABLE APPROX APPROXIMATE
ASTM AMERICAN SOCIETY FOR TESTING AND NOT IN CONTACT NO NUMBER NOT TO SCALE MATERIALS AMERICAN NATIONAL STANDARDS INSTITUTE NTS ON CENTER OC OD APWA AMERICAN PUBLIC WORKS ASSOCIATION AMERICAN WATER WORKS ASSOCIATION OUTSIDE DIAMETER AWWA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION OSHA BLIND FLANGE BLDG LEGAL NOTICE PLAIN END CHORD LENGTH C C TO C THE INFORMATION CONTAINED IN THIS CENTER TO CENTER POINT OF INTERSECTION DRAWING IS THE PROPERTY OF CRS CHORD BEARING СВ CI CAST IRON PUSH-ON JOINT DUCTILE IRON ENGINEERS AND IS NOT TO BE REPRODUCED, MODIFIED, OR USED FOR CL CLR CMP POUNDS PER FOOT ANY OTHER PROJECT OR EXTENSION OF CLEAR PSI PUE PVC POUNDS PER SQUARE INCH THIS PROJECT EXCEPT BY AGREEMENT CORRUGATED METAL PIPE CO CLEANOUT PUBLIC UTILITY FASEMENT WITH CRS ENGINEERS. POLYVINYL CHLORIDE CONC CONCRETE DESIGN RCP REINFORCED CONCRETE PIPE **DUCTILE IRON RADIUS** DIM DIMENSION RT RJ RIGHT FAST RESTRAINED JOINT EDGE OF ASPHALT SOUTH EXISTING GRADE SECTION ELEVATION EL ELEV SS STA SANITARY SEWER STATION ELEVATION EDGE OF PAVEMENT TOP EW EACH WAY THRUST BLOCK EX FG FH EXISTING FINISH GRADE AMES TBA TBC TC TYP TO BE ABANDONED FIRE HYDRANT TOP BACK CURB 06-15-2023 TOP OF CONCRETE FLOWLINE TYPICAL FLG FLANGE UTAH DEPARTMENT OF TRANSPORTATION UDOT HDPE HIGH DENSITY POLYETHYLENE PIPE VERT VERTICAL WATER PRINCIPAL HORIZONTAL W WEST HIGH POINT INSIDE DIAMETER MANAGER: M. PIERCE HP ID Ō REVIEWER: J. AMES WELDED WIRE FABRIC INVERT ELEVATION WWF 3 DRAFTER : B. SMURTHWAITE IRON ROD **PROJECT** IRR IRRIGATION 2020-0022 LT LEFT 05 JULY 2023 LENGTH LBS POUNDS LINEAR FEET LOW POINT **1200 WEST REDESIGN** MAXIMUM MEG MATCH EXISTING GRADE MIN MJ MITMINIM MECHANICAL JOINT 1200 W





















































