Learning Objectives

Monday, February 13, 2023 1:48 PM

Homework Assignment 6

1. You are required to develop an AutoCAD plan view drawing from a satellite photo of a roundabout (round-about-U of U, see Fig 1). Use the campus round-about.jpg in the files folder in Canvas to make the drawing.



Figure 1. Satellite image of round-about near Rice Eccles Stadium, University of Utah Campus. (see Canvas folder file)

The requirements for the drawing are:

- D-size drawing with title block
- The <u>drawing scale</u> shown in lower right corner of drawing
- The satellite image placed on separately on image layer that you create
- The roadway and parking lot limits placed and dimensioned (black lines and lettering) on Layer 1
- The roadway lane and traffic control markings placed and dimensioned (red lines and lettering) on Layer 2
- The <u>curb and gutter</u> placed and dimensioned (blue lines and lettering) on Layer 3
- The sidewalk placed and dimensioned (orange lines and lettering) on Layer 4
- The UTA TRAX (light-rail line) placed and dimensioned (brown lines and lettering) on Layer 5
- The <u>landscaping features</u> indicated (green lines) on Layer 6
- Dimension the width of all features (purple lines) on Layer 7. Do not dimension the length of the features.

Items to submit:

- Completed drawing with satellite image only
- Completed drawing with Layers 1 through 7 only
- Completed drawing with both satellite and Layers 1 through 7

Drawing requirements:

- All drawings must have a title block with your name and date included.
- All drawings must be submitted in Adobe Acrobat pdf format.

Scaling and Drawing on Aerial Images

Monday, February 13, 2023 1:48 PM

AutoCAD Inserting / Importing Images, Scaling Images, Tracing Images

Awesome Andrew



Inserting an Image and Scaling

Monday, February 13, 2023 1:48 PM

Often it is useful to make a drawing from a satellite image. Below is an image that will be brought into AutoCad and scaled to make a plan view drawing of the house and property line. Note that the image has a scale in the lower left corner (red ellipse).





Inserting and Viewing Images

Monday, February 13, 2023 1:48 PM

Steps

- 1. Find the file house.jpg from Lecture 4 folder.
- 2. Open the house scaled.dwg
- 3. Save this file as house scaled with photo.dwg
- Import the photo image (house.jpg) using the attach command. Select house.jpg from the pop-up menu.
- In the pop-up menu, specify the insertion point as the coordinates 0,0, uncheck the specify on screen box and push the OK button
- 6. Drag the cursor to upward and to the right so that it fits in the drawing box and click the mouse to attach the photo. The image will be inserted in the drawing space.

Turning the image on and off

- 1. Select the border of the image
- 2. It will turn blue with blue squares in the corner
- 3. Right click the mouse

- 4. Select image from the drop down box
- 5. Check and uncheck the show image box

Steps

- 1. Find the file house.dwg with title block from Lecture 6 folder.
- 2. **Open** this file.
- Save this file as house house scaled.dwg using the file save as option.
- Use the Units command to change the units in the drawing to Engineering. Note that the units are now in feet and decimal inches (0'-0.00")
- 5. Using the coordinates, check the horizontal (i.e., long) dimension of the drawing. Note that the longest dimension is about 6 feet, which will be insufficient for our drawing. Therefore we need to scale the drawing space is described in Lecture 4 "Preparing Drawing Space for Coordinates. Note that the drawing space needs to be about 400 feet wide to accommodate our drawing.
- 6. Use the **Annotation-Primary Units menu** to change the unit format to Engineering.
- 7. Use the **output menu Page Setup Manager** to change the drawing to E size and scale the drawing. Use the Plot Scale to scale the drawing to 1 inch = 5 units (1:5).
- 8. Resize the title block to fit on the page as described in Lecture 2 using the **scale command**.
- 9. Reposition (i.e., center) the title block on the drawing space using the **move command**.
- 10. Reposition the coordinate system to the lower left-hand corner of the paper using the **UCS command**.
- Using the coordinates, recheck the long dimension (i.e., width) of the drawing. You should have about 390 feet of drawing space available, which is sufficient for this exercise.
- 12. Resave this file as house scaled.dwg

Monday, February 13, 2023 1:48 PM

1. Zoom in on the scale found in the lower left corner of the photo.



- 2. In the Layer box, select layer 0
- 3. Use the line command to draw a line atop this scale that matches the length of the scale.
- 4. Use the line command to draw a line on the scale that matches the length of this scale
- 5. Select the line you have placed on the scale
- 6. Select the image (both line and image should now be selected as indicated by blue corners)



Scaling the Image (continued)

Monday, February 13, 2023 1:48 PM

Zoom and pan to the scale and line so they are enlarged.



- 1. Make sure that the End Point box in the OSNAP menu is checked.
- 2. Zoom in on the Google Scale.
- 3. Draw a line on the drawing that matches the length of the scale.
- 4. Select the photo. Note that a blue rectangle will indicate that it has been selected.
- 5. Select this line.
- 6. Select the right end of the line. It will turn to a hotgrip (i.e., red rectangle).
- 7. The STRETCH command will be issued by AUTOCAD
- 8. Strike your SPACE bar because we do not want to stretch it Strike your SPACE bar because we do not want to move it Strike your SPACE bar because we do not want to rotate it
- 9. In the command line, type R because we want reference the line to the Google scale.
- 10. Select the beginning of the line drawn on the scale.
- 11. Select the end of the scale line
- 12. Type in length of scale as 76.
- 13. Move the coordinate system to the beginning of the scaled line using the UCS command
- 14. Verify that the end of the line and the photo scale is 76' using the coordinates



15. Save the drawing as house scaled with photo scaled.dwg

Creating a New Layer for the Image

Monday, February 13, 2023 1:48 PM

- 1. Zoom extents.
- 2. Select the image in the drawing space.
- 3. In the command box type Layer.
- 4. Create a new layer



- 5. Name the new layer "House Photo."
- 6. Create another new layer and call it "Property Plot."
- 7. Change the color for this layer to yellow.
- 8. Close this menu.
- 9. Save the drawing

Examples - Interchange Layout

Sunday, February 17, 2019 5:48 AM





Steven F. Bartlett, 2019

Examples (UVU Ped Bridge)

Monday, February 13, 2023 11:11 AM



Examples (UVU Ped Bridge) (cont.)

Monday, February 13, 2023 11:14 AM



Examples (UVU Ped Bridge) (cont.)

Monday, February 13, 2023 11:14 AM



CVEEN 4910 - Red Butte Creek

Monday, February 12, 2024 1:48 PM



REVISED FINAL

RED BUTTE CROSSING

LOCATED AT THE SE CORNER OF SECTION 4 AND THE SW CORNER OF SECTION 3. TIS. R1E. SLB&M SALT LAKE CITY. SALT LAKE COUNTY. UTAH

GENERAL NOTES

1) ALL WORK WITHIN A PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE RI OPECIFICATIONS.

2) ALL UTILITY WORK SHALL CONFORM TO THE UTILITY OWNERS STANDARDS & SPECIFICATIONS.
3) THESE PLANS DO NOT INCLUDE DESIGN OF DRY UTILITIES. THESE PLANS MAY CALL FOR RELOCATION, AND/OR REMOVA, MAD/OR CRAFTRUCTION OF DRY UTILITIES, BUT ARE NOT OPHICAL DRAWING FOR SUCH. DESIGN ARE COORDINATION OF CRAFT UTILITIES IS TO OTHER.

4) THE CONTINUENTS HALL COORDINATE AND CRITIAN MAY REMETS REQUERED FOR THE WORK SHOWN HEREON. 5) THE LOCATION AND EXEMTIONS OF UNDERSTANDING THE SHOWN ON THESE HAND EX REST ESTIMATE and the second similar contractions and the second second second second second second contractions reserved and the second second second second second second second to the CONTACTORS RESTORATION TO STORY MORE MORE INTO THE MEMORY IF REAST CONTACTORS SECOND THE RESTOR AND THE SECOND SEC

6) THE CONTRACTOR IS TO FIELD VERIFY THE LOCATION AND ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES INSIDE TO STACING AND CONSTRUCTION.

7) CALL BLUESTAKES AT LEAST 46 HOURS PROOF TO DOGGING. DO NOT PROCEED UNTIL BLUESTAKES ARE MARKED.

8) IT SHALL BE THE CONTRACTOR'S AND SUBCONTRACTOR'S RESPONSIBILITY TO MEET ALL APPLICABLE HEALTH AND SAFETY REGLATIONS, AND THEY SHALL ASSUME SOLE RESPONSIBILITY FOR JOB-SITE CONSTITUTES DURING CONSTRUCTION OF THIS PROJECT, SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK, AND THE PROJECT IS PROTECTED.

UDOT NOTES

4. ALL CONTINUES INTO A TWO CONTINUES AND A TWA FARME, CANNON TO THE MOST COMMENT SUB-TRANSMOL DELECTORY SUB-INTERNETS, CONTINUES AND ESTIMATIONS. THE CONTINUES INTO METAL ON INSCIDUCINE FOR THE AMPLICANE CONTINUES INTO METAL THE CONTINUES INTO AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO THE DELECTORY AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND A TWO ADDRESS AND ADDRESS AND



SCALE: 1"=1000'

TABLE OF CONTENTS

A100 NOTES A101A TOPO SURVEY A101B DEMO PLAN A102 SITE PLAN A103A GRADING PLAN GROUP 3 A103B GRADING PLAN GROUP 6 A104A UTILITY PLAN GROUP 3 A104B UTILITY PLAN GROUP 6 A105A PROFILE A105B X-SECTION A106 DETAILS A107 EROSION CONTROL PLAN A108A LANDSCAPING PLAN GROUP 3 A108B LANDSCAPING PLAN GROUP 6 A109 TRAIL EXHIBIT A110A TRAFFIC CONTROL EXHIBIT GROUP 3 A110B TRAFFIC CONTROL EXHIBIT GROUP 6 S100 STRUCTURAL SCHEMATIC S101 STRUCTURAL DETAILS

4910.23.1.3

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REVISION 1 3/17/23 BY:CSA SUMMARY:ADDITIONAL DETAILS





Monday, February 12, 2024 1:48 PM

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GENERAL NOTES	UTILITY NOTES	GRADING NOTES	LEGEND	LEGEND	ABBREVIATIONS	II S
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OF-WAY OWNER'S SPECIFICATIONS. TE STORM DRAIN RIFE OPTIONS SHALL CONSIST OF THE FOLLOWING MATERIALS.	IL. ALL NEW SANETARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE	 IF AT ANY TIME DURING CONSTRUCTION ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, WORK IN THAT AREA HELL STOP UNTEL 	XXX BURDED	OS SEWER MANHELE	PT POINT OF TANGENCY	3
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 HERM DRIVETY CORRESPONDED POLYETHYLENE SMOOTH INTERGOR PRPL ASTM D3350 WITH WATERTEAHT 200KTS. 	 ALL SAMER LINES AND LATERALS ARE TO BE SOR 35 PVC PIPE. 	 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDEND HELMER OWN ESTIMATE OF EARTHWORK QUANTITIES. 	En las nar an	EXISTENS LAND DRAIN	PVC PULYVENU CHLOREDE PVE POINT OF VERTICAL INFLECTION	
INTRACTOR SHALL VERSEY ALL DIMENSIONS AND CHECK CONDITIONS AT THE SITE	IN. SEWER LA CRACK WILL BE INSTALLED AT A UNDROWE SLOPE OF NOT LESS THAN 25% ORACE AND THEY SHALL HAVE A MINIMUM OF 4 PEET OF COVER, INVESTIGATION OF AND THEY SHALL HAVE A MINIMUM OF 4 PEET OF COVER, INVESTIGATION OF A DESCRIPTION.	6. WHERE NEW CURE AND GUTTER IS BEING CONSTRUCTED ADJACENT TO	PRIOR STATE	LD PROPOSED LAND DRAIN	R RACIUS RC RESAR & CAP	0
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AL DETAILS SHALL APPLY IN GENERAL CONSTRUCTION UNLESS SPECIFICALLY DETAILED.	IN ACCORDANCE WITH LICAL GOVERNING MUNICIPALITY STANDARDS & STANDARDS WITH LICAL GOVERNING MUNICIPALITY STANDARDS &	IN LEARNING SUPPLY THE VALUE THE WALLE AND UNITS SLIPE OF THE CURE AND OUTTER PORTS.	ALD INV ADAULT		NOW RESHT OF WAY SD STURM DRAIN	D
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UNISSIONS OR CONFLICTS BETWEEN THE WARKOUS ELEMENTS OF THE WORKING WINNING MICH OF STREET, AND	OF 10' WIRECHTALLY FROM SEWER MAINS. CRUSSINGS SHALL BE A PERIODIAL TOTAL HEALTH TALLY FROM SEWER MAINS. CRUSSINGS SHALL MEET STATE HEALTH STATEMENTS. DECLARATE MAINT	 SECTOR WHICH DOES NOT COMPOSE THE ENCORED OF EDUTING OF ANY SECTOR WHICH DOES NOT COMPOSE TO THE DESIGN OR TYPICAL CROSS CECTOR. 			SDMH STUBM DRADI PANHULE SDR STANDARD DIMENSION RATIO	S
HER BEFORE PROCEEDING WITH ANY WORK DWORK DWORK DE	LESS THAN 10" VERTICAL OR 10" HORIZONITAL SEPARATION PROM SEVER LINES.1	THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CLRB AND GUTTER DIGRS WITHOUT THE APPRICAL OF THE ENGINEER	to an addition of the second s	SD SD STORM DRAW	SE SOUTHEAST SEC SECONDARY, SECTION	25
ADDING SHALL BE 3/0" MAXIMUM ADDREDATE, USE 3/4" MAXIMUM SIZE ROAD BASE ACCEPTL MATERIAL COMPACT TO 95% STANDARD REACTOR DENOTITY, MAXIMUM COMPACT	13. ALL WATER CINES SHALL BE & HOUSEAN COT AND WEATER LATERAL P	Contraction of the second of the second second	PROFILED CONCRETE	STORM DRAIN MANHOLE	SL STREET LIGHT SLEEM SALT LAKE BASE 5 MERIDIAN	2
ES.	SHALL BE 1: 1/2" MORPHUM UNLESS OTHERWISE NOTED.		DESCRIPTION CONTRACTOR	CATCH BASIN / CLEANKUT	SPEC SPECIFICATION SPP STEEL FIFE	12
RACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC AND ODIA STANDARDS.	14. WATER SERVICE LATERALS TO INCLUDE ALL BRASS SADOLE: CORP. STOP LATERAL, DOUBLE CHECK VALVE AND BACKFURW PREVENTION		PRICE/CERE & GUTTER	CURE DILET	SS SANTARY SEWER SSO: SANTARY SEWER GLEANOUT	12
URX SHALL COMPLY WITH THE AMERICAN PUBLIC WORKS ASSOCIATION UTAH CHAPTER A) MANUAL OF STANDARD SPECIFICATIONS 2007 EDITION WITH ALL PERTINENT	DEVECE, AND SHUTTIFF VALVE IN BUT NEAR BUILDING EDGE.		C. 8.12 000000000000000000000000000000000000		STEPH SANTARY SEWER MANHOLE STD STANDARD	3
MENTS AND AMENDMENTS AND THE MANUAL OF STANDARD PLANS 2007 EDITION- TANDARD SPECIFICATIONS AND PLANS SHALL BE THE REQUIREMENTS.	 ALL WATER LINES SHALL BE A FONDHUM 45" BELOW FINSH OROUND. TO TOP OF FIRE. ALL VALUE BOILES AND MARK-KLES SHALL DE RAISED. 	EROSION CONTROL	C. ADA DARADAD		SW SECONDARY WATER SW SOUTHWEST	7 *
NTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND	OR LOWERED TO FINESH GRADE AND SHALL INCLUDE A CONCRETE ORLAR IN PAYED AREAS.	1. ALL ERISSION AND SEDIMENT CONTRIN. MEASURES ARE TO BE CONSTRUCTED AND MANYADARD IN ACCORDANCE PROC. NO. 100	STREET LIGHT	ABBREVIATIONS	SWL SECHERARY WATERLINE SWPPP STURMENTER PULLITEIN	2 5
REALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THE WORK TO BE LETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR	6. CONTRACTOR TO MOTERY PUBLIC UTILITIES FOR CHLORINE TEST PRIOR	RESULATIONS OF THE LOCAL GOVERNING MUNICIPALITY.	522734 5M	ABBREVIATIONS	TAN TANGENT	III
L MOTTEY THE EMBREER IMMEDIATELY REWARDING ANY DISCREPANCES OR GUITES WHECH EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S	TO RUSHING LINES, CHURINE LEFT IN PORE 24 HOURS MINIMUM WITH 25 IPPM RESIDUAL. ALL TURNING 11F MAINLINE VALVES, CHURIDATIOR.	2. ALL SECONENT CONTROL MEASURES TO BE ACOUSTED TO PRET FIELD CONDITIONE AT THE TIPE OF CONSTRUCTION AND CONSTRUCTION DRIVER TO	 Point at work 	COMPETER	TBC TOP BACK OF CURB	A S
IPRETATION THEREOF SHALL BE CONCLUSIVE. THE CONTRACTOR SHALL BE HELD INSIGNE FOR ANY FIELD CHANGES HADE WITHOUT PRICE WRITTEN AUTHORITY FROM	FLUSHENG, PRESSURE TESTING, BACTERIA TESTING, ETC. TO BE COORDINATED WITH LOCAL GOVERNME MUNICIPALITY. ALL TESTS TO BE	ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF STE	TRAPPORT POLE	A DELTA + DEGREES	TEL TELEPHINE	α. σ .
WHER AND/OR ENGINEER.	IN ACCORDANCE WITH AWAY, STANDARDS.	3. DALLY DEPECTION AND MAINTENANCE OF ALL SEDERENT CONTINUE		MIMUTES, PEET SECUNDS, BYCHES	TOM TOP OF ASPHALT	
INTRACTOR SHALL BE REDPONDED FOR ADEQUATELY SCHEDULING INSPECTION AND ING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT, ALL TESTING SHALL	LT. DUTTION FLANCE OF FIRE HYDRANTS TO BE SET TO APPROXIDANTELY IF DICHES ABOVE BACK OF CURE RLEVATION. WYDRANTS TO DICLIDE	STRUCTURES HUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED, CONTRACTOR SHALL BE RECONNELSE IS IN ALL CONNECT.	 UTILITY PALE 	ADA APERSOAN OSABILITIES ACT ADS CORRUSATED BLACK PLASTIC PIPE	TOS TOS OF SUPE OF WALL	
OWN TO THE REQUILATORY ADDIVO'S STANDARD SPECIFICATIONS. ALL TESTING AND ECTION SHALL BE PAID FOR BY THE OWNER, ALL RE-TESTING AND/OR REINSPECTION	TEE, 5" LINE VALVE, AND HYDRANT COMPLETE TO MEET CITY STANDARDS.	CETY LEAVING THE PROPERTY, SECRETIC CONTINUE MEASURES SHALL BE IN MOREOVE CONDITION AT THE END OF EACH WORKING DAY.	- + - + STREET SAGN	APWA APERICAN PUBLIC WORKS ASSOCIATE/N ARCH ARCHITECT, ARCHITECTURAL	TOW TOP OF WALL	
BE RAID FOR BY THE CONTRACTOR.	18. ALL NEW STORM DRAIN/LAND DRAIN CONSTRUCTION TO BE DONE IN	4. ALL POINTS OF CONSTRUCTION DISNESS AND EXPESSIVELY IN DISOTRUTION	E = = = = = = = = = = = = EXISTING NETADARIS WALL	MATERIALS MATERIALS	UD UNDERDRAIN	
DIVERSENTION SHALL MAINTAIN A NEATLY MARKED SET OF FULL SIZE AS-BUILT RECORD 1905 SHONING THE FINAL LUCATION AND LAYOUT OF ALL MECHANICAL ELECTRICAL	INCOMENSION AND A DAMAGED AND	TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS.	PROPOSED RETAINING WALL	BAC BACK DOP	UP UTILITY POLLE VC VERTICAL CLEVE	
AD INVESTIGATION OF EQUIPMENT OF THE AND CHARACTERS STRUCTURES AND OTHER TILES. THE AS-RELETS OF THE ELECTRICAL SYSTEM SHALL INCLUDE THE STREET LIGHT.	14. ALL STORM WATER CONVEYANCE PIERNO TO BE RCP - CLASS 3 OR	 ALL SEDIMENT WELL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM THROUGH THE USE OF SANDBARS, STRAW BALES, SILT FENCES. 	CONTROL DODOCOD PRIMO RICK WALL	BUDG BURLDING BUDG BURLDING BM BURLDING	W WEST, WATER WZ SECUNDARY WATER	
OF PARE DEFINITION LOCATION IN LIGHTS, CONDUCTS, CONDUCTORS, POINTS OF RECTORS TO SERVICES, POLICIDES, AND WIRE SIZES. AS BUILT RECORD DRAWINGS	INCOME AND A THE REAL PROPERTY AND A AND A PROPERTY AND A AND A PROPERTY AND A AND A PROPERTY AN	GRAVEL, BOARDS, AND OTHER APPLICABLE HETHODS.	POEXESTING FIBER OFTIC	BHD BUSINDARY N/W BACK (* WALK	WL WATERLINE WH WATER METER	
INSTALL STATES ON THE ONE AND ADDRESS AND ADDRESS AND ADDRESS FOR ALL DREADED AND ADDRESS	ENGROY CAS FOR DESIGN OF GAS SERVICE TO BUILDING (CTS)	 ALL DISTURBED AREAS OUTSIDE OF ROADWAYS, INARCHIS LOTS, SECRIMANS AND OR BUILDING ROOTPRENTS SHALL BE SEEDED, SOLDED AND/OR 	TO PROPOSED PERER CIPTOC	BRG BEARDAG BV BUTTERLY VALVE	WP WORK POINT	
HER NEW SHERE HER BY THE CHERNELING. IS TO ACCOUNT AND THE DEGREE. THE CONTRACTOR SAME INTO ANY TO PARTING THE	CONTRACTOR LIMITS OF MORE VERSUS DOMINION ENERGY GAS LIMITS.	NULOIED.	PROPOSED NATURAL GAS	CHIS CURE AND BUTTER CR CATCH BASER		
ET OF MEATLY MARKED AS BUST RECORD DRAWINGS SHOWING THE DECRMATION ISED ABOVE. AS BUST RECORD DRAWINGS SHOWING THE DECRMATION	21. ALL GAS LINE TARS TO BE HORE WITH CORRECT TRACER WITH AND DETECTA TARE, TERMINATE TRACER WITH AT REPORTED UP AT	 IP SITE IS READY TO RECEIVE FOMIL OWER DURING THE MON-PLANTING SEASORL THEN IT SHALL BE PROTECTED BY MULCHING. THE MULCH WILL 	PMR ExtSTING POWER	CH CHKRD CHE CHCRD BEARING		
BLT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS IND AS A RECOMPTION TO THE FINAL RECORDER CANNER AND DEVIATIONS	22. ALL GAS LINE TAPS, VALVES AND CAPE TO BE RUSSED UPDATE	REMAIN UNTE, THE NEXT PLANTING SEASON AS DEFINED BY THE LOCAL SCREENING MUNICIPALITY.	- CHP OHP EXISTING OVERHEAD POWER	CE CAST ININ CP CAST IN PLACE		
PTANES.	ELECTRO-FUSION TECHNOLOGY.	8. RE-VEOETATE ALL DENLIGED AREAS AS PER THE STANDARDS AND		CL. CENTERLINE CHP CORRUGATED METAL PIPE		
SEQUENCE OF CONSTRUCTION	25. ALL ELECTRICAL CONDUCTS/LINES TO BE PVC 50H 40 OR BETTER:	REGULATIONS OF THE LOCAL GOVERNING MUNICIPALITY.		CO CLEANOUT COMM COMMUNICATIONS		
	24. ALL PHONE AND TV CONDUITS TO BE PVC SCH 48 OR BETTER.	2. THE CONTRACTOR ADDRESS THAT:	TE TE EXECUTE DESERVICE	DINC DINCRETE DINST DINSTRUCTION		
STRUCTION EXIT IS TO BE CONSTRUCTED AT TIME OF ENTRY TO SITE.	25. CONTRACTOR IS TO SUBPLY SITE PLAN/SUBDIVISION PLAT TO COMPACT FOR DESIGN OF CALLE TV SERVICE TO BUILDINGS/LVTS, CONTRACTOR TO	 THEY SHALL BE RESPONSIBLE TO CLEAN THE SUB SITE AT THE DRD OF EACH DHADE OF WORK. 	TEL TEL TELEPHINE	CAL CULINARY CW CULINARY WATER		
A AND DAUB AREAS FUR SEDEMENT MEASURES.	CONSIDERATE WITH CONCAST FOR CONTRACTOR LIMITS OF WORK VERSES CONCAST LIMITS.	8. THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRACH.	THE REPORT OF TH	CWI, CULINARY WRITERLINE DEPRO DEPROJUTION	Know what's below.	
ALL MLT PRIVATE	25. CONTRACTUR IS TO DOORDBUTE LOCATIONS OF NEW TELEPHONE SERVICE	NAME OF A DESCRIPTION OF THE PARTY OF THE PARTY	- IRR - IRR PROPOSED PROSATION LINE	DI DUCTLE INCH DIAM DIAMETER	Call Defore you din.	
THE TE CLEANING OF STITE AND BODY BODY BODY BODY OF ADDING.	TH NEW BUILDINGS IN LIT'S WITH CENTURYLINK. A PVC CONDUIT, PLYWOOD SACKBOARD, AND GROUND WIRE IS REQUIRED FOR SERVICE	C. THEY SHALL BE RESPONSIBLE TO HADITAIN THE SITE IN A NEAT, SAFE AND	THE PD MODIATION MANAGES	DIST DISTANCE DWG DRAWING		SENT ENG
MUM DENSITY.	THROUGH PROPERTY. DIX ROBINITE SEES AND LOCATION WITH ORITIRYLING	D. THEY SHALL BE RESOLUTION TO ANY INSTRUMENT AND THEY		E EAST, ELECTRICATY, ELECTRICAL EASE EASEMENT	UTILITY MOTOFICATION OPITER, INC.	130 115
MADE WILL BE CONTRIVILED AND ORVIND SLIVED SV AS TO DIRECT RUNKING TO HEAT CONTRIVILED IN METS.	27. ALL UTILITIES ARE TO BE INSTALLED IN ACCORDANCE WITH THE	OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE 30E. EALISE TO DO SO WILL RESELT IN A DEDUCTION FOR THE TOT OF DELAY.	CO BREATING METER	ED ELISTING GRADE EL ELISION	www.bluestakes.org	CHRSTOPHER ABOVE
ALL DEMANDED OF CTURE DEATH	CORRESPONDING AGENCY/DISTRICT STANDARDS AND SPECIFICATIONS WATER - SALT LAKE CITY	UP FROM FORAL PAYMENT.	- BLIWOFF	ELEC ELECTROCAL ELEV ELEVATION	1-000-062-4111	DATE 03/30/2023
	SEWER - SALT LAKE CITY STORM DRAIN - SALT LAKE CITY	E. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL.	+ - WENE	EDA EDDE OF ASPHALT EVC END VERTICAL CLEVE		E man is
AND A CARD AND A CARD AND AND AND AND AND AND AND AND AND AN	INTEGATION - SALT LANE CETY ELECTRICAL - ROCKY MOUNTAIN DOWER	E UN ESCOTAENTER NOTED ALL ENERGY SUB CAN INTERNET	H TEE	EVCE END VERTICAL CURVE ELEVATION EVCS END VERTICAL CURVE STATION		FRISTY OF S
ALL BACE CHURCE.	TELEPHONE - CENTURNLINK MATURAL BAS - DOMINION ENERGY	BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DESKORD OF OF SITE AT THE CONTRACTOR EXPENSE.	TTA-I BOW	EX EXISTING FFE FINISH PLOOR ELEVATION		- Siles
VE SEDERET CONTROL REASURES, CLEAN OUT TENNORARY SEDERENTATION RAVING		G. THE CONTRACTOR SHALL PRIVIDE ALL LIGHTS, BARRICADES, SIGNS,	BENKER	PO PENSH ORACE PH PERE HIDRART		A 4 6
REGRADE, CLEAN OUT SEDEMENT TRAPS AND CONVERT THEM TO STORM WATER VGEMENT STRUCTURES.		PLASHIEN UR OTHER DEVICES NECESSARY FOR PLALIC SAFETY.	THE REPORT OF	FO FORE INCIDENTION FO FORE INCIDENTION FOR EXCENTION		
SIT8.			THRUST BLOCK	G GAS NATURAL GAS		
IR TO BE RESPONSIBLE TO CHECK CLEAN OVER INJEED ROVES FOR SECONDIT AND OL				GV GATE WAVE		NOTES
CLEAN AS NECESSARY				HP HIGH POINT FLEVATION		4910.23.1.3 4
					NOTE: DRAMING IS FOR ACADEMIC USE ONLY	(Sectored)

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