HYRUM 1, 5, 10 HYRUM UTAH WEST STAKE PARKING ADDITION

125 NORTH 400 WEST HYRUM, UTAH

ROBERT J. POIRIER 05-29-24

1, 5, 10 PARKING ADDITION

REVISIONS
DESCRIPTION

HYRUM

REVISION SECTION SECTI

PROJECT NO: 24072

DRAWN BY: BKL

CHECKED BY: CEG

DATE: 05/17/24

COVER SHEET

G1.00

MAY, 2024

OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES. 3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.

1.2 PERMITTING AND INSPECTIONS

1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.

3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.

1.3 COORDINATION & VERIFICATION

1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES 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 DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.

2. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT

3. CONTRACTOR TO COORDINATE WITH ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO: LANDSCAPE PLANS, SITE ELECTRICAL SITE LIGHTING PLANS AND ELECTRICAL SERVICE TO THE BUILDING(S), MECHANICAL PLANS FOR LOCATION OF SERVICES TO THE BUILDING(S), INCLUDING FIRE PROTECTION, ARCHITECTURAL SITE PLAN FOR DIMENSIONS, ACCESSIBLE ROUTES, ETC., NOT SHOWN ON CIVIL PLANS.

4. CONTRACTOR IS TO COORDINATE LOCATION OF NEW TELEPHONE SERVICE, GAS SERVICE, CABLE, ETC. TO BUILDING WITH THE APPROPRIATE UTILITY COMPANY. FOR TELEPHONE, CONTRACTOR TO FURNISH CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE, AS REQUIRED.

1.4 SAFETY AND PROTECTION

STANDARDS.

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, 2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA

3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR WORKERS

4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS.

5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL

STORAGE AND LIMITS OF TRENCH EXCAVATION. 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR

STAGING OUTSIDE OF THE PROJECT LIMITS. 7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM

TRAFFIC CONTROL DEVICES", LATEST EDITION. 8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS. 9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY

10. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION. SUBMIT A STORM WATER POLLUTION PREVENTION PLAN. IF REQUIRED.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING

12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR

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 THE SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER OR GOVERNING AGENCY.

14. THE CONTRACTOR SHALL TAKE REASONABLE MEASURE TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER/OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.

1.5 MATERIALS

1. SITE CONCRETE SHALL BE A MINIMUM 4500 P.S.I. @ 28 DAYS, 4" MAXIMUM SLUMP WITH 5 + OR - 1% AIR ENTRAINMENT, UNLESS SPECIFIED OTHERWISE. -SEE SPECIFICATION

A. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/4 THE DEPTH) AT INTERVALS NOT TO EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH, WHICHEVER IS LESS. SCORING WILL BE PLACED TO PREVENT RANDOM CRACKING. FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION AND AT EQUAL INTERVALS NOT TO EXCEED

B. CONCRETE WATERWAYS, CURBWALLS, MOWSTRIPS, CURB AND GUTTER, ETC. WILL TYPICALLY BE SCORED (1/4 THE DEPTH AT INTERVALS NOT TO EXCEED 10 FEET AND HAVE FULL DEPTH EXPANSION JOINTS AT EQUAL SPACING NOT TO EXCEED 50 FEET).

C. UNLESS OTHERWISE NOTED, ALL SLABS-0N-GRADE WILL HAVE A MINIMUM 8" TURNED-DOWN EDGE TO HELP CONTROL FROST HEAVE.

D. UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACED ON A MINIMUM 4" BASE COURSE OVER A WELL COMPACTED (95%) SUBGRADE.

E. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GREEN".

F. ALL JOINTS (CONTROL, CONSTRUCTION OR EXPANSION JOINTS, ETC.) WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION). 2. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 6" OF COMPACTED (95%) ROAD BASE OVER PROPERLY PREPARED AND COMPACTED (95%) SUBGRADE, UNLESS NOTED OTHERWISE. -SEE

SPECIFICATIONS, AND DETAIL 'D1' SHEET C5.01 A. ASPHALT COMPACTION SHALL BE A MINIMUM 96% (MARSHALL DESIGN). B. SURFACE COARSE SHALL BE ½ " MINUS. MIX DESIGN TO BE SUBMITTED FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO ANTICIPATED PAVING SCHEDULE.

C. AC PAVEMENT TO BE A 1/4" ABOVE LIP OF ALL GUTTER AFTER COMPACTION. D. THICKNESSES OVER 3" WILL BE LAID IN TWO LIFTS WITH THE FIRST LIFT BEING AN APPROVED 3/4" MINUS DESIGN.

1.6 GRADING / SOILS

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT, WHICH BY REFERENCE ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS, OR IN THE SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND THESE PLANS AND SPECIFICATIONS.

2. PROCEDURE FOR UNSUITABLE MATERIALS:

 A. EXCAVATE TO SUBGRADE. SCARIFY A MINIMUM OF 12" DEEP AND ALLOW TO DRY. RESCARIFY EVERY 2-3 DAYS.

PROOFROLL AND COMPACT. 3. IF, WHILE PROOFROLLING, SOFT SPOTS TURN UP, IT WILL BE RESCARIFIED AND ALLOWED TO DRY (UP TO TWO WEEKS). AFTER TWO WEEKS, THE SOFT AREAS WILL BE MEASURED UP AND OVEREXCAVATED. THE OVEREXCAVATION WILL BE UNDER DIRECTION OF THE ARCHITECT/ENGINEER. THE SOFT MATERIAL WILL BE REMOVED AND REPLACED WITH SUITABLE MATERIALS. THE BOTTOM OF THE EXCAVATION WILL RECEIVE A STABILIZATION FABRIC, MIRAFI 160N OR APPROVED BY

ARCHITECT/ENGINEER. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS

5. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557, EXCEPT UNDER BUILDING FOUNDATIONS WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.

6. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITH THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

7. SITE CLEARING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.

8. ALL EXISTING VALVES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED TO GRADE AS REQUIRED. PROVIDE CONCRETE RING OR APRON AROUND RAISED OR NEW ELEMENTS.

9. ALL ELEMENTS SUCH AS VALVES, MANHOLES, INLET COVERS, ETC. ARE REQUIRED TO HAVE A NEW 6" THICK x 2x DIA. WIDE CONCRETE APRON INSTALLED, UNLESS DETAILED OTHERWISE.

1.7 UTILITIES

VICINITY MAP

1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES EITHER DIRECT OR THROUGH BLUE STAKE TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.

2. CONTRACTOR TO VERIFY BY POTHOLING BOTH THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLING ANY NEW LINES. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK

3. CONTRACTOR MUST START AT LOW END OF ALL NEW GRAVITY UTILITY LINES. MECHANICAL SUB-CONTRACTOR MUST BE PROVIDED CIVIL SITE DRAWINGS FOR COORDINATION AND TO CHECK THE FLOW FROM THE LOWEST POINT IN BUILDING TO THE FIELD VERIFIED CONNECTION AT THE EXISTING MAIN. NO EXTRA COMPENSATION IS TO BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE RFDONE DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS.

4. CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, TYPE, AND OUTSIDE DIAMETERS OF UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AHEAD, PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. EXISTING UTILITY INFORMATION SHOWN ON PLANS OR OBTAINED FROM UTILITY COMPANIES OR BLUE STAKED MUST BE ASSUMED AS APPROXIMATE, REQUIRING FIELD VERIFICATION.

5. CULINARY WATER AND FIRE SERVICE LINES TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.

6. SANITARY SEWER MAINS AND LATERALS TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY SEWER DISTRICT STANDARDS AND SPECIFICATIONS. 7. STORM SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING MUNICIPALITY

STANDARDS AND SPECIFICATIONS. 8. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND

9. ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER TIGHT SEALS ON THE OUTSIDE AND GROUTED SMOOTH WITH A NON-SHRINK GROUT ON THE INSIDE. CONDUITS SHALL BE CUT OFF FLUSH WITH THE INSIDE OF THE BOX. 10. NO CHANGE IN THE DESIGN OF UTILITIES AS SHOWN WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE GOVERNING MUNICIPALITY, OR OTHER AUTHORITY HAVING

JURISDICTION OVER THAT UTILITY. 11. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROCKS, DIRT, AND CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.

1.8 SURVEY CONTROL

1. CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE APPROVED

GRADE OF THE MAIN AND OR FACILITY AS SHOWN ON THE PLANS. 2. THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS FOR VERIFICATION PURPOSES. 3. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.

1.9 AMERICAN DISABILITIES ACT

BLUFO BLUG **BLUIRR** BLUSD BLUSS

BLUW

BOB

CBR

COL

CONST

CTREE CUFT

CMP

1. PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS: *ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM CROSS SLOPE. *ROUTES SHALL HAVE A 5.00% (1:20) MAXIMUM RUNNING SLOPE. *RAMPS SHALL HAVE A 8.33% (1:12) MAXIMUM RUNNING SLOPE.

2. ADA PARKING STALLS AND ADJACENT ROUTES SHALL HAVE A 2.00% MAXIMUM SURFACE SLOPE IN ANY

3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.

EXISTING

EXISTING

INEVV	EXISTING		<u>INE VV</u>	EXISTING	
		MONUMENT LINE		lack	SECTION CORNER (FOUND)
		CENTER LINE		v	
		SUBJECT PROPERTY LINE			SECTION CORNER (NOT FOUND)
		ADJACENT PROPERTY LINE		•	STREET MONUMENT
		EASEMENT LINE		*	BRASS CAP MONUMENT
		DITCH FLOWLINE	Θ_{PP}	↔ PP	POWER POLE
x	x	FENCE LINE	PP ↔ UP	PP ⊕ UP	UTILITY POLE
——————————————————————————————————————	atms	ATMS CABLE			GUY ANCHOR
CATV	—— catv ——	CABLE TV LINE	GUY D	GUY	POWER TRANSFORMER
c	c	COMMUNICATIONS LINE	TRANS	TRANS	TRAFFIC SIGNAL CABINET
———FO——	fo	FIBER-OPTIC CABLE			LIGHT POLE
———F———	f	FIRE LINE	× _L ,	LP	TELEPHONE RISER
———G———	g	NATURAL GAS LINE	□ _{TR}	□TR	
IRR	irr	IRRIGATION LINE	①	(T)	TELEPHONE MANHOLE
OHP	ohp	OVERHEAD POWER LINE	(M)	⟨GM⟩	GAS METER
	·	POWER LINE	⊠	⊠	TRAFFIC SIGNAL BOX
	p		w	(W)	WATER MANHOLE
——— P/C ———	——— p/c ———	POWER/COMMUNICATIONS LINE	8	⊗	WATER VALVE
——— P/T ———	——— p/t ———	POWER/TELEPHONE LINE	(iii)	(M)	WATER METER
——— P/T/C ———	—— p/t/c ——	POWER/TELE/COMM LINE	6		FIRE HYDRANT
———RD———	rd	ROOF DRAIN LINE	S	(\$)	SANITARY SEWER MANHOLE
sw	sw	SECONDARY WATER LINE	ossco	°ssco	SANITARY SEWER CLEANOUT
s	s	SANITARY SEWER LINE	S D	S D	STORM DRAIN MANHOLE
ST	st	STEAM LINE			STORM DRAIN CURB INLET
——————————————————————————————————————	sd	STORM DRAIN LINE			STORM DRAIN CATCH BASIN
——т——	——t——	TELEPHONE LINE	(SD)	S D	STORM DRAIN CLEANOUT
T/C	t/c	TELEPHONE/COMM LINE	ОВ	°в	BOLLARD
———UGP———	ugp	UNDERGROUND POWER LINE	MB	MB	MAILBOX
w	w	WATER LINE	d	d	SIGN
[72]	4572	CONTOUR LINE	ewline	\triangleleft —	FLOW DIRECTION
		CURB & GUTTER (STD)	96.03 TOC	97.25 EX TOC	SPOT ELEVATION
		CURB & GUTTER (OUTFALL)	EMMy E	Anna Samuel	CONIFEROUS TREE
		CONCRETE PAVEMENT	Emme -	3mms	
		ASPHALT PAVEMENT			DECIDUOUS TREE

ABBREVIATIONS

DRAWING INDEX

ELECTRICAL SCHEDULES

										SHEET	DESCRIPTION
	ACRE AMERICANS WITH	DEL DIA or Ø	DELINEATOR DIAMETER	GM GMH	GAS METER GAS MANHOLE	PCC PI	POINT OF COMPOUND CURVE POINT OF INTERSECTION	SWL	SOLID WHITE LINE TOWNSHIP	G1.00	COVER SHEET
	DISABILITIES ACT ADVANCED TRAFFIC MGMT.	DIP DTREE	DUCTILE IRON PIPE DECIDUOUS TREE	GUY GV	GUY WIRE GAS VALVE	PM PP	PARKING METER	TBC TELE	TOP BACK OF CURB TELEPHONE	G1.01	GENERAL NOTES, LEGEND AND ABBREVIATIONS
	SYSTEM BAR & CAP	DYL E	DOUBLE YELLOW LINE EAST	HDPE	HIGH DENSITY POLYETHYLENE	PRC PRK		TFC TFG	TOP FACE OF CURB TOP FINISH GRADE	C0.01	SITE PLAN
	BUILDING CORNER BOTTOM FINISH GRADE	EB EGL	ELECTRIC BOX ENERGY GRADE LINE	HG HGL	HEADGATE HYDRAULIC GRADE LINE	POC PT		TL TMH	TREE LINE TELEPHONE MANHOLE	C1.01	DEMOLITION PLAN
)	BLUE STAKED ELECTRIC BLUE STAKED FIBER OPTIC		ELEVATION ELECTRIC METER	HP HW	HIGH POINT HEADWALL or HIGH WATER	PWR PVC		TOA TOC	TOP OF ASPHALT TOP OF CONCRETE	C2.01	HORIZONTAL CONTROL PLAN
R	BLUE STAKED NATURAL GAS BLUE STAKED IRRIGATION	EOA	ELECTRIC MANHOLE EDGE OF ASPHALT	HWY ICO	HIGHWAY IRRIGATION CLEANOUT	R RCP	RANGE REINFORCED CONCRETE	TOF TOG	TOP OF FOOTING TOP OF GRATE	C3.01	GRADING AND DRAINAGE PLAN
) S	BLUE STAKED STORM DRAIN BLUE STAKED SANITARY SEWER	EOG	EDGE OF CONCRETE EDGE OF GRAVEL	ICV IE	IRRIGATION CONTROL VALVE INVERT ELEVATION IRRIGATION	RD	PIPE ROOF DRAIN REVISION	TOE TOP	TOE OF SLOPE TOP OF SLOPE or TOP OF	C3.02	EROSION CONTROL PLAN
	BLUE STAKED TELEPHONE BLUE STAKED WATER	EOL EX or EXIST	EDGE OF LAWN EXISTING FIRE	irr Lf Lip	LINEAR FEET LIP OF GUTTER	REV ROW RR		TOW TR	PIPE TOP OF WALL TELEPHONE RISER	C5.01	MISCELLANEOUS SITE DETAILS
	BENCHMARK BOTTOM OF FOOTING	FC FD	FOUNDATION CORNER FOUND or FOUNDATION DRAI	LP	LOW POINT or LIGHT POLE MAXIMUM	S SAD	SOUTH SEE ARCHITECTURAL	TV TW	TELEVISION FINISH GRADE AT TOP OF	C5.02	EROSION CONTROL DETAILS
	BOTTOM OF BOX BOLLARD	FDC FDMN	FIRE DEPT. CONNECTION FOUND MONUMENT	MIN MON	MINIMUM MONUMENT	SD	DRAWINGS STORM DRAIN	TRANS	WALL TRANSFORMER	L111	LANDSCAPE PLANTING PLAN
	BOTTOM BLOW-OFF VALVE	FDSC FFE	FOUND SECTION CORNER FINISHED FLOOR ELEVATION	MP	METAL PIPE MONITORING WELL	SDCB SDCO		TSP TSB	TRAFFIC SIGNAL POLE TRAFFIC SIGNAL BOX	L121	LANDSCAPE IRRIGATION PLAN
	BACK OF WALK FINISH GRADE AT BOTTOM C	FG FFH	FINISHED GRADE FIRE HYDRANT	N NG	NORTH NATURAL GROUND	SDMH	BOX STORM DRAIN MANHOLE	UD UGC	UNDERDRAIN UNDERGROUND		
	WALL CENTERLINE	FL FNC	FLOW LINE FENCE	NGRET NR	NG AT RETAINING WALL NAIL & RIBBON	SEC SPECS		UGP	COMMUNICATIONS UNDERGROUND POWER	L501	LANDSCAPE DETAILS
	CABLE TELEVISION CONCRETE BARRIER	FNCCL FNCIRN	CHAIN LINK FENCE IRON FENCE	NW NTS	NAIL & WASHER NOT TO SCALE	SLB&M SQ		UGTV	UNDERGROUND TELEPHONE UNDERGROUND TELEVISION	L502	LANDSCAPE IRRIGATION DETAILS
	CURB CUT COLUMN	FNCVYL FNCWD	VINYL FENCE WOOD FENCE	OG OH	ORIGINAL GROUND OVERHANG	SQFT SQYD	SQUARE YARD	U.N.O. UP	UNLESS NOTED OTHERWISE UTILITY POLE	L503	LANDSCAPE IRRIGATION DETAILS
1	COMMUNICATIONS CONCRETE	FNCWR FO	WIRE FENCE FIBER OPTIC	OHC	OVERHEAD COMMUNICATIONS	SS SSCO	SANITARY SEWER SANITARY SEWER CLEANOUT		VITRIFIED CLAY PIPE VERTICAL PIPE	E0.1	ELECTRICAL COVER SHEET
Τ	CONSTRUCTION CORRUGATED METAL PIPE	FOW FT	FRONT OF WALK FEET	OHP OHT	OVERHEAD POWER OVERHEAD TELEPHONE	SSMH ST	SANITARY SEWER MANHOLE STEAM	WM	WEST or WATER WATER METER	E0.2	ELECTRICAL SITE PLAN
E	CONTROL POINT CONIFEROUS TREE	G GAR	NATURAL GAS GARAGE	OHTV ዊ	OVERHEAD TELEVISION PROPERTY LINE	STA STD	STANDARD	WMH WS WTR	WATER MANHOLE WATER SURFACE WATER	E0.3	SITE PHOTO-METRIC PLAN
	CUBIC FOOT CUBIC YARD	GB GL	GRADE BREAK GROUND LIGHT	PB PC	POWER BOX POINT OF CURVATURE	STM SYL	SOLID YELLOW LINE	WIR WV WW	WATER WATER VALVE WATERWAY	E6.1	ELECTRICAL SCHEDULES
								VVVV	WAILKWAI		

DRAWN BY: CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101 **GENERAL NOTES** LEGEND, AND

PROJECT NO: 24072

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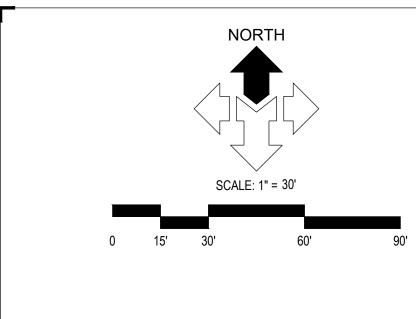
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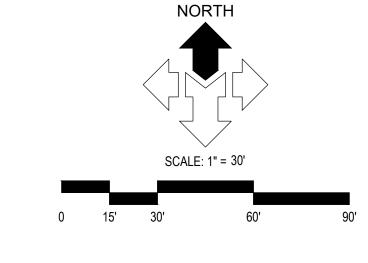
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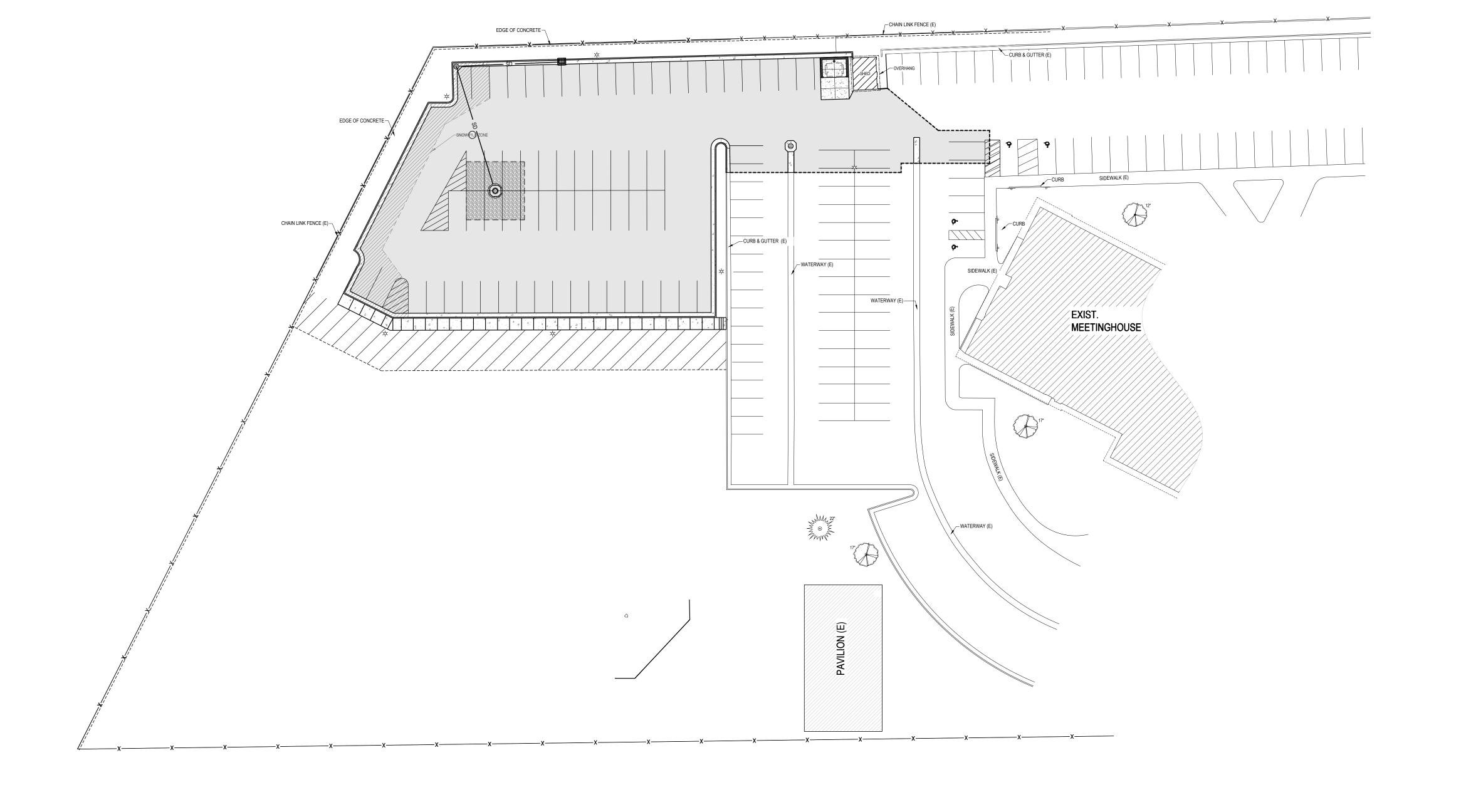
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ABBREVIATIONS

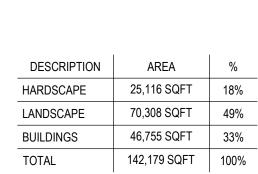




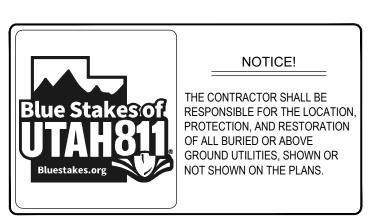


SITE PLAN

SCALE: 1" = 30'-0"



166	EXIST STALLS
3	LOST STALLS
65	NEW STALLS
228	TOTAL STALLS



<u> </u>								
REVISIONS	DESCRIPTION							
	DATE							
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PRO	JECT	ΓNO) :	2	40	72		
DRA	WN	ВҮ	:		ВК	L		
CHE	CKE	D B	Y :		CEC	3		

ENGINEERING

ADDITION

10 PARKING

5,

1,

HYRUM

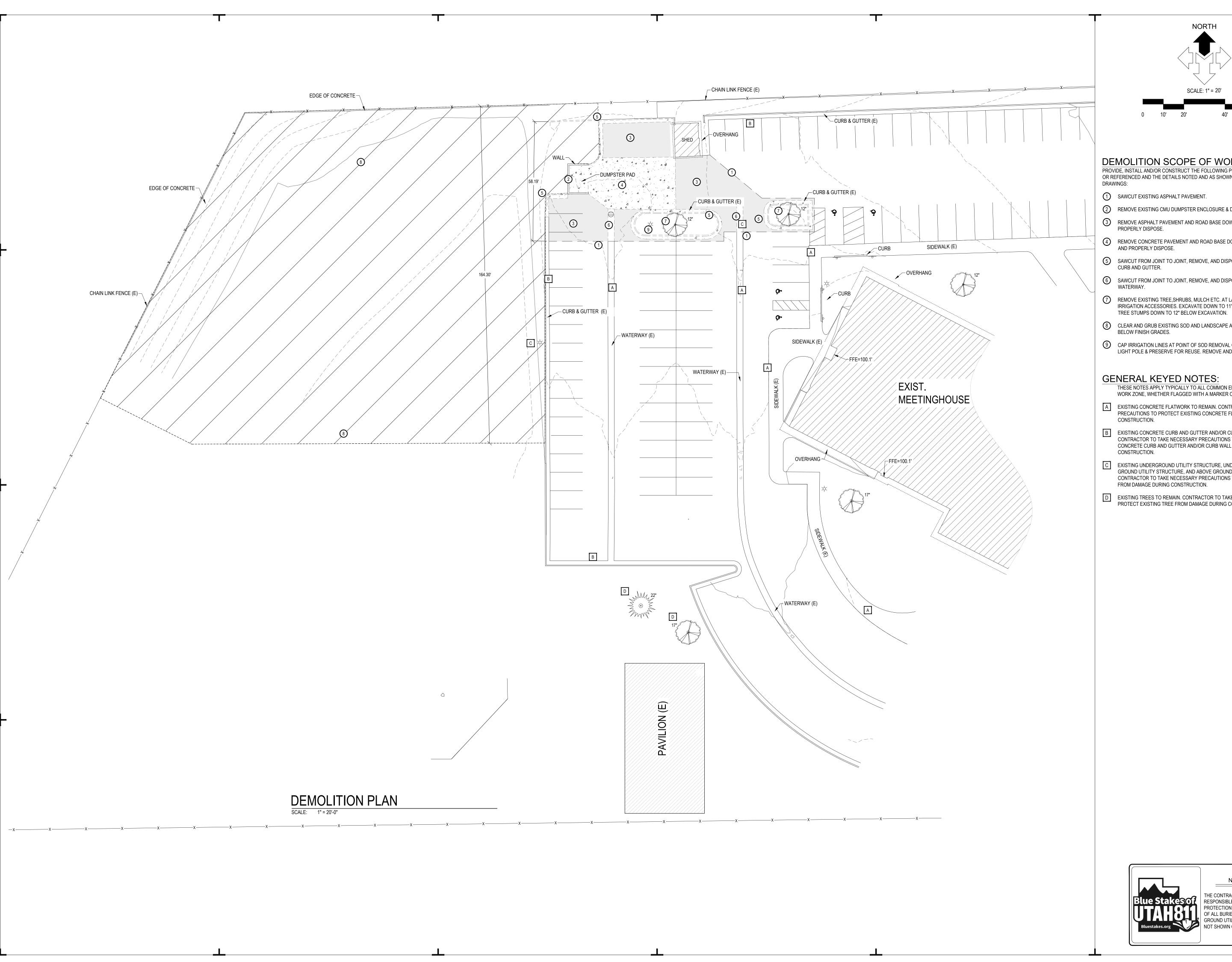
30 WEST 84319 ST STAKE

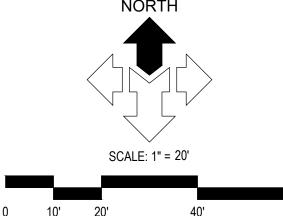
SITE PLAN

DATE: 05/17/24

PROP# 516922423010101

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DEMOLITION SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION

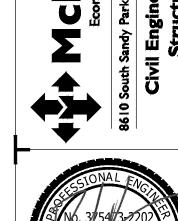
- SAWCUT EXISTING ASPHALT PAVEMENT.
- 2 REMOVE EXISTING CMU DUMPSTER ENCLOSURE & DISPOSE.
- 3 REMOVE ASPHALT PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE AND
- 4 REMOVE CONCRETE PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE
- 5 SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER.
- 6 SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE
- 7 REMOVE EXISTING TREE, SHRUBS, MULCH ETC. AT LANDSCAPE ISLAND. REMOVE IRRIGATION ACCESSORIES. EXCAVATE DOWN TO 11" BELOW FINISH GRADES.GRIND
- 8 CLEAR AND GRUB EXISTING SOD AND LANDSCAPE AREAS. EXCAVATE DOWN TO 11"
- 9 CAP IRRIGATION LINES AT POINT OF SOD REMOVAL CARFEFULLY DISCONNECT EXIST. LIGHT POLE & PRESERVE FOR REUSE. REMOVE AND DISPOSE OF CONCRETE BASE

GENERAL KEYED NOTES:

- THESE NOTES APPLY TYPICALLY TO ALL COMMON ELEMENTS THROUGHOUT THE WORK ZONE, WHETHER FLAGGED WITH A MARKER OR NOT:
- A EXISTING CONCRETE FLATWORK TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE FLATWORK FROM DAMAGE DURING
- B EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL FROM DAMAGE DURING
- C EXISTING UNDERGROUND UTILITY STRUCTURE, UNDERGROUND UTILITY LINE, ABOVE GROUND UTILITY STRUCTURE, AND ABOVE GROUND UTILITY LINE TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FROM DAMAGE DURING CONSTRUCTION.
- D EXISTING TREES TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO

NOTICE!

THE CONTRACTOR SHALL BE
RESPONSIBLE FOR THE LOCATION,
PROTECTION, AND RESTORATION
OF ALL BURIED OR ABOVE
GROUND UTILITIES, SHOWN OR
NOT SHOWN ON THE PLANS.

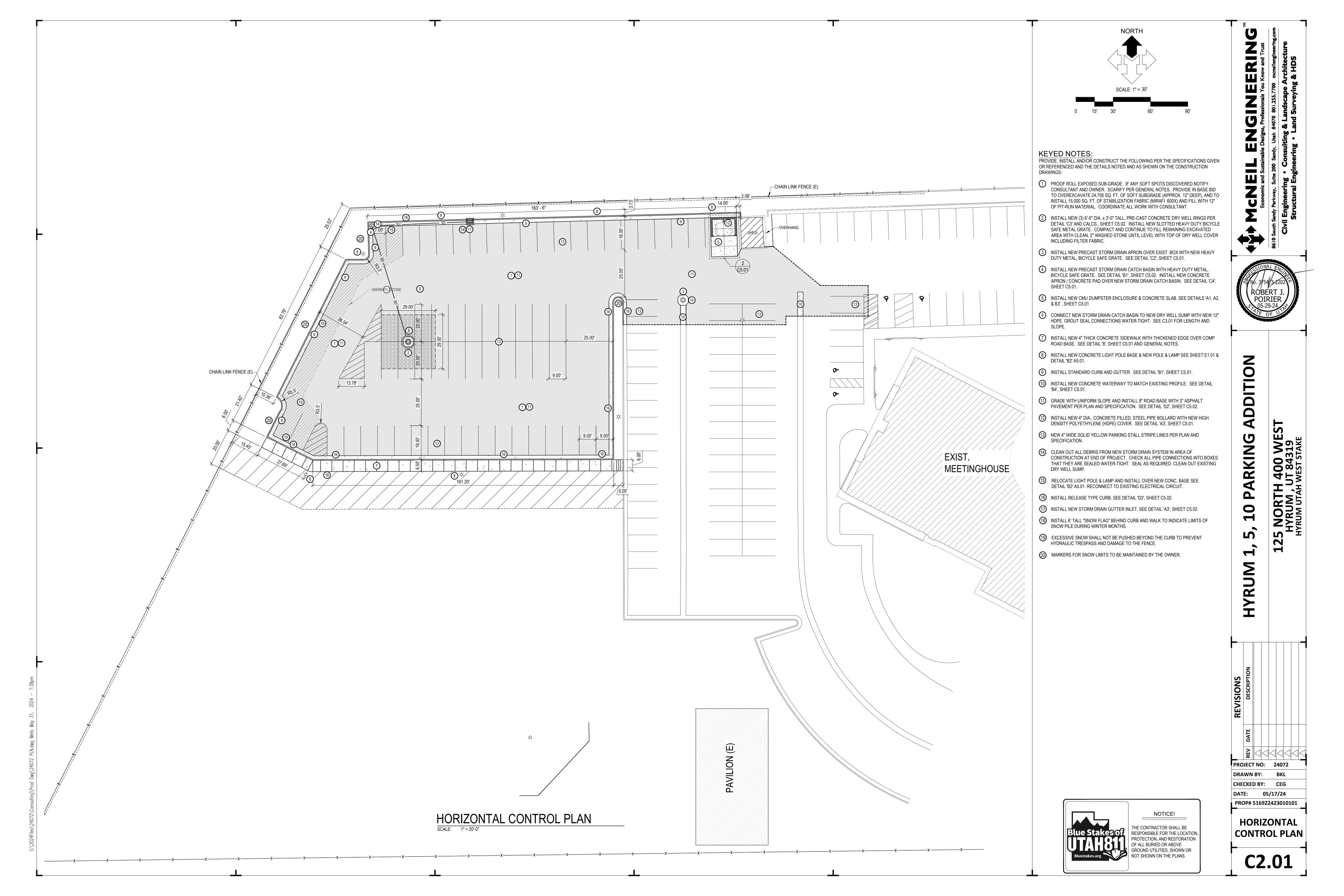


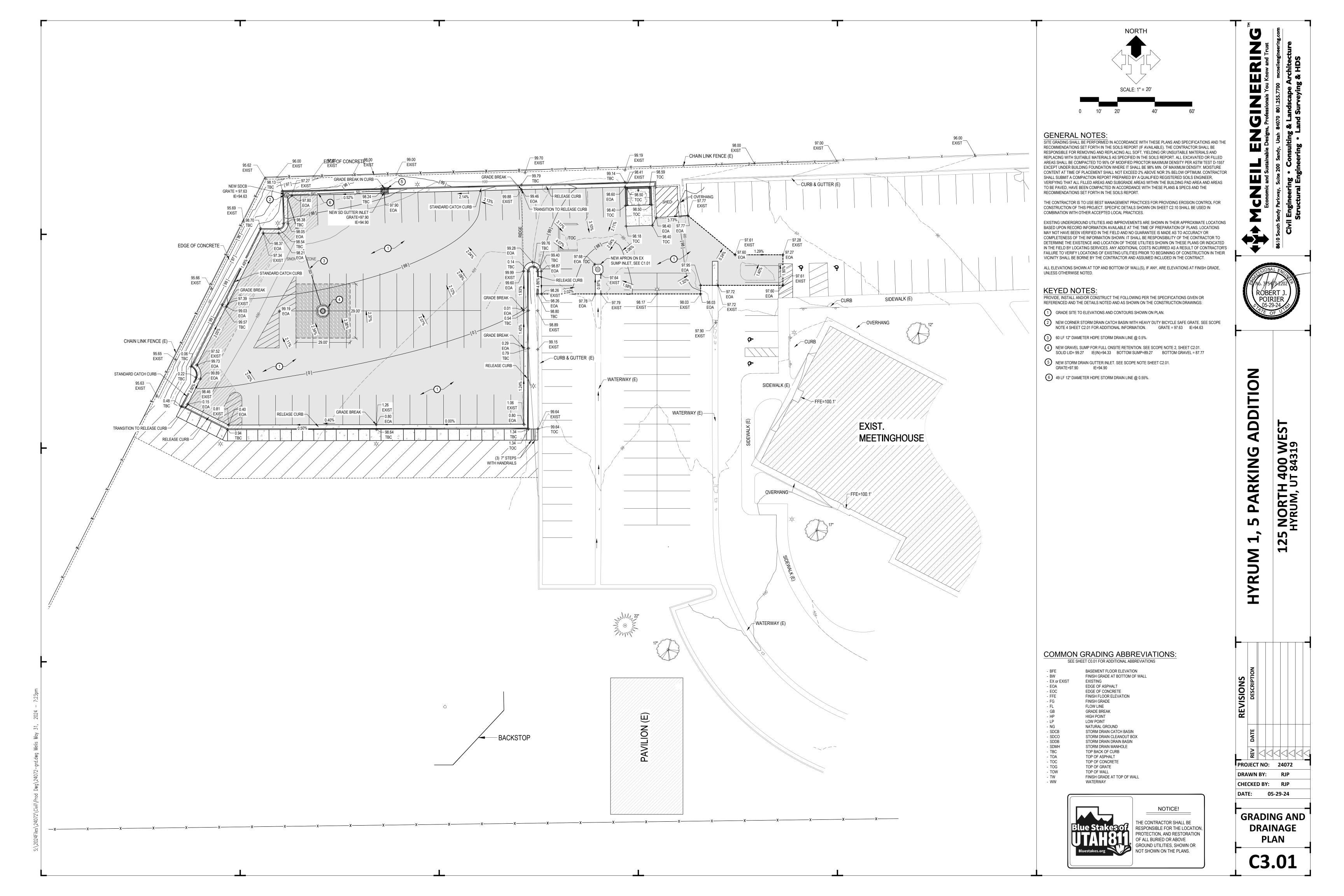
0 W| 34319 T STAKE 1, **HYRUM**

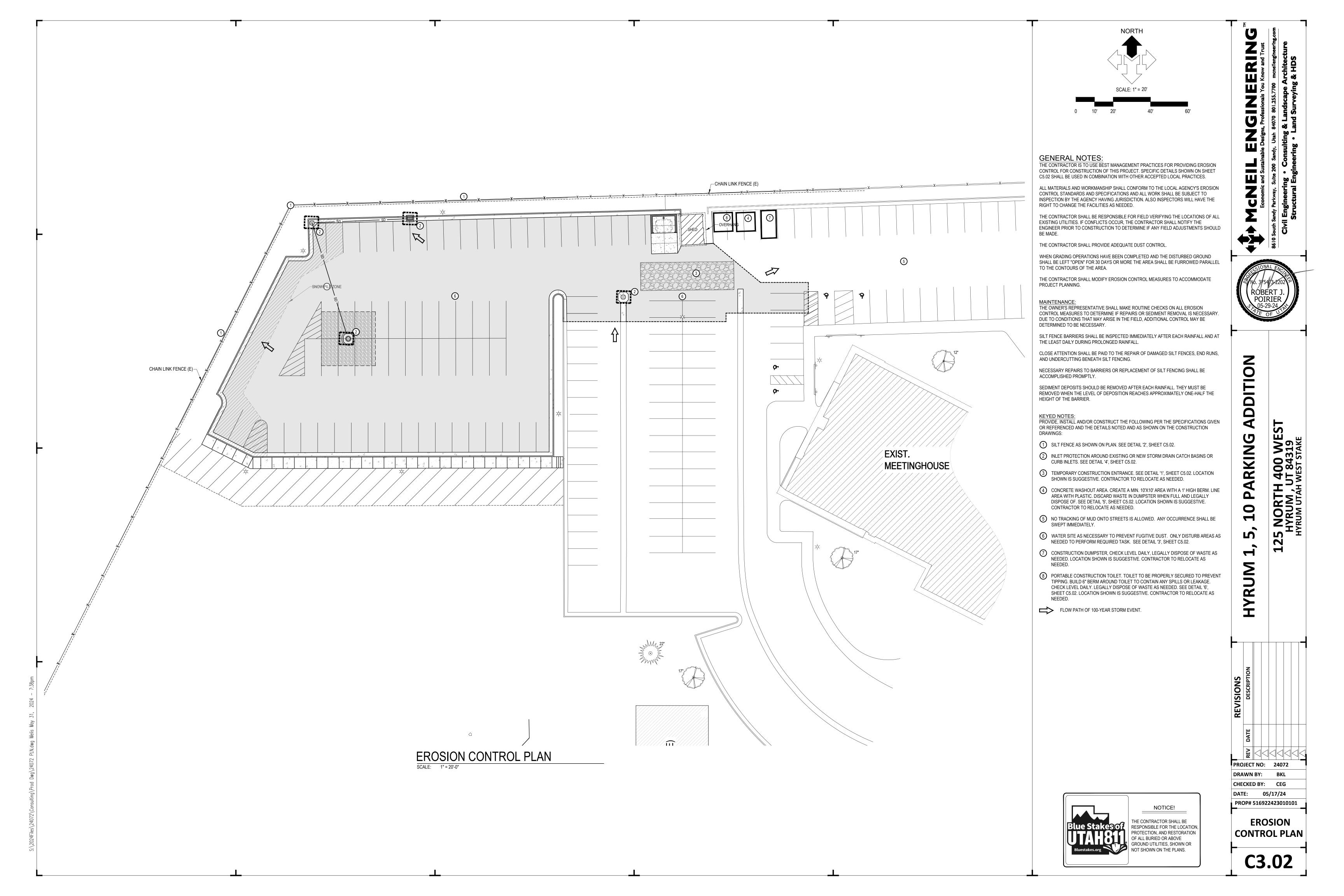
PROJECT NO: 24072 DRAWN BY: CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101

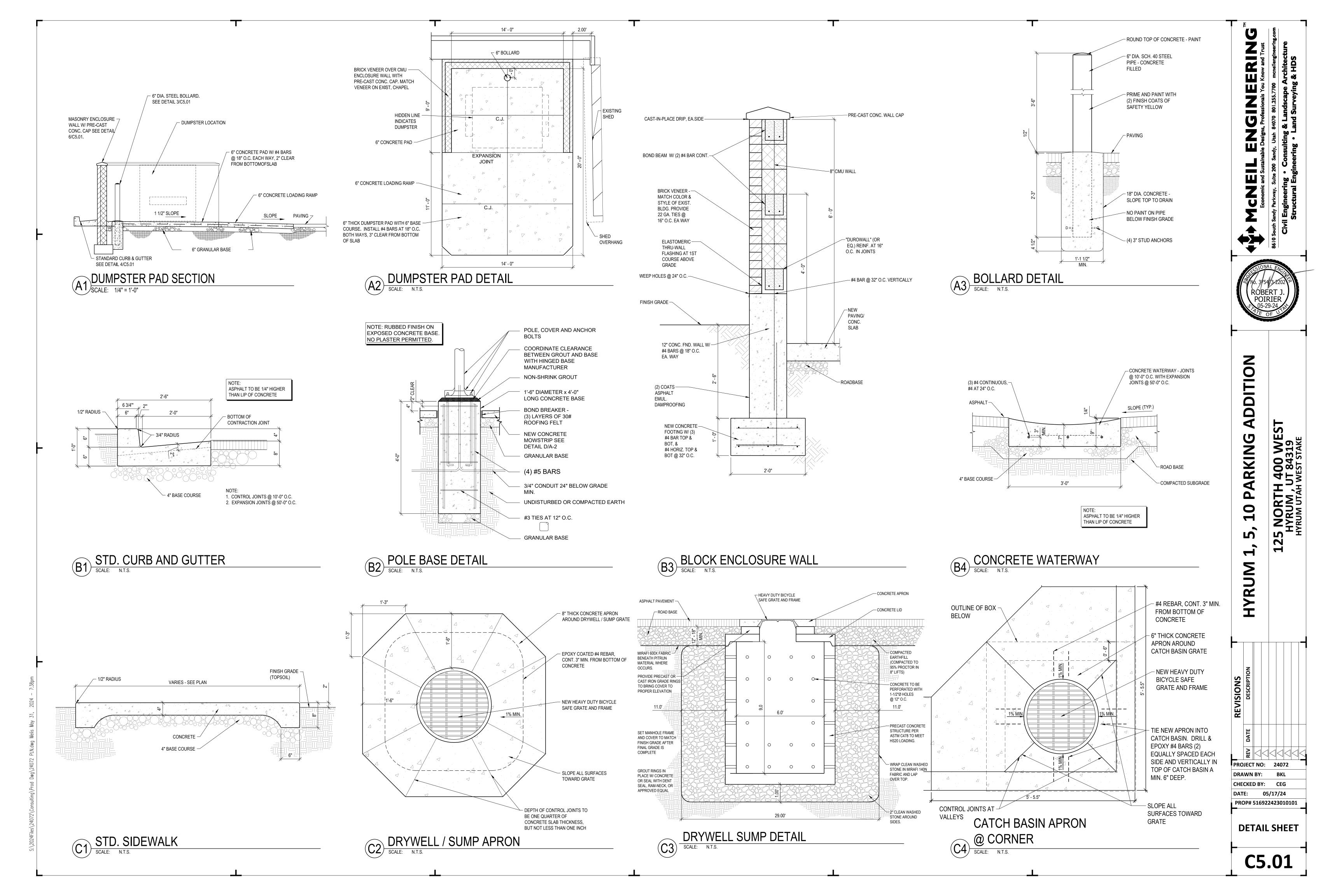
DEMO PLAN

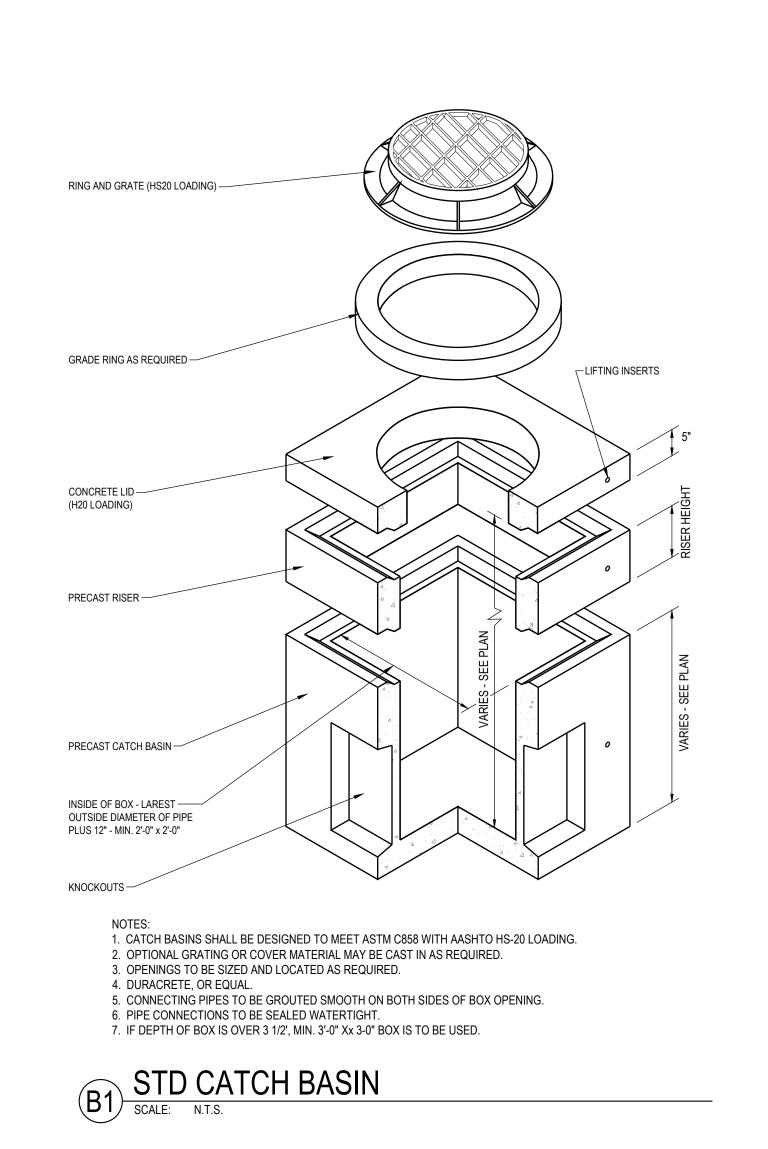
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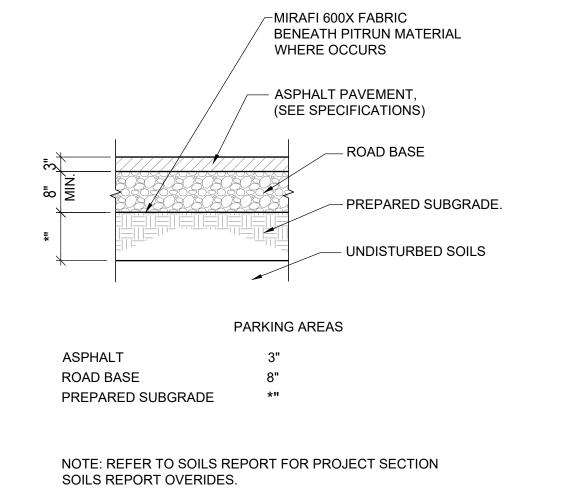










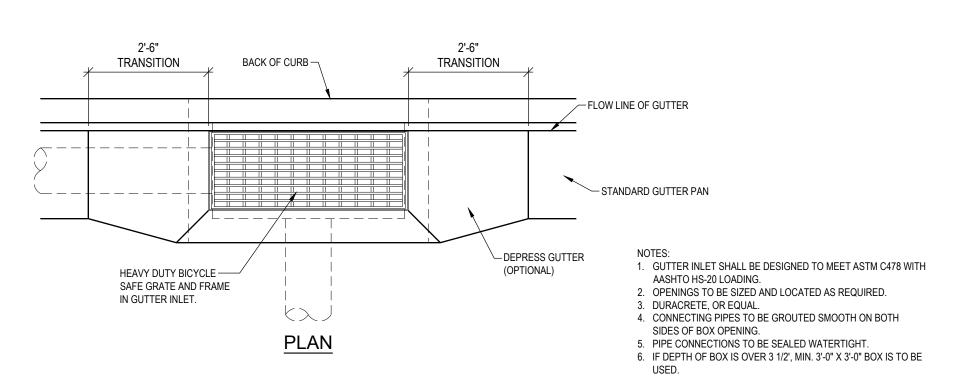


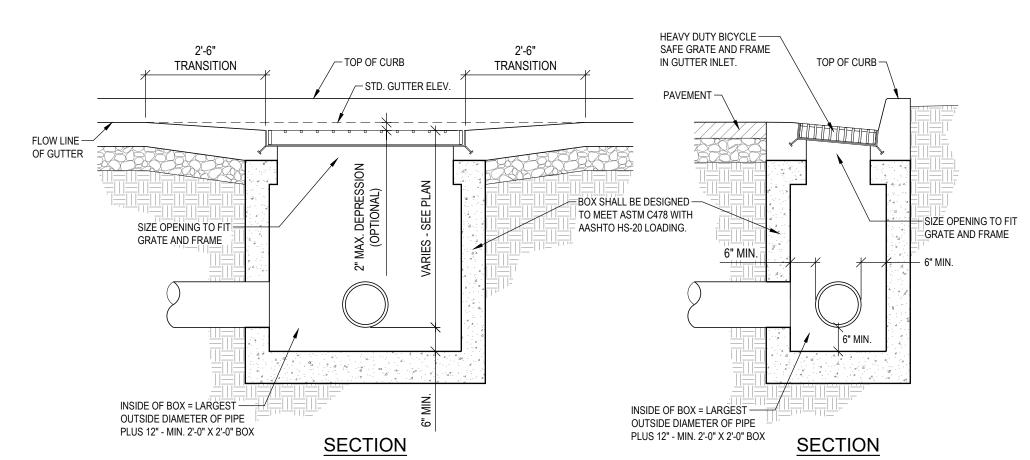
TIP GUTTER 1/2" AWAY FROM CURB AS INDICATED BY DRAINAGE PLAN __MAX. DEPTH OF JOINT CONST. JOINTS @ 10'-0" O.C. EXPANSION JOINTS @ 50'-0" O.C.

D2 ASPHALTIC PAVEMENT SECTION SCALE: N.T.S.

30" RELEASE CURB & GUTTER

SCALE: N.T.S.







	HYRUM 1, 5 PAF	RKING LOT ADD		
	125 N 400 W HYF	RUM, UTAH		
		Design		
Percolation rate	Percolation rate (min/inch)		min/inch	
Discharge Rate	Beneath Sumps	0.046	cfs	
Design Storm		100	year	
Rainfall Data fr	om NOAA			

Storm water within the new parking lot will sheet flow to the northwest corner of the site where it will be collected by a pair catch basins and conveyed via 12" HDPE pipe to the new sump in the parking area. The runoff will infiltrate into the surrounding gravel. To be conservative pressure head was neglected in the calculations to increase longevity

Colution using Potions	l Formula:				
Solution using Rationa	i Formula.				
TRIBUTARY AREA 1					
	Q = CIA wh	here			
	C_roof =		0.85		
	C_paved =		0.90		
	C_landscaped	=	0.15		
	I = Rainfall Inter	nsity			
	A = Tributary A	rea			
	Roof Area =		0		
	Paved Area =		26,893		
	Landscape Are	a =	0		
	Total Tributary	/ Area =	26,893		
	Weighted Coeff	ficence (C) =	0.90		
	C * A =		24,204		
100 yr Design Storm					
Time	Rate	Rainfall	Accum. Flow	Discharge	Req'd Storage
(min)	(in/hr)	(Inches)	(cu.ft.)	(cu.ft)	(cu.ft.)
5	6.48	0.54	1,089	14	1,075
10	4.92	0.82	1,654	28	1,626
15	4.04	1.01	2,037	42	1,995
20	2.72	1 26	2742	02	2 660

Time	Rate	Rainfall	Accum. Flow	Discharge	Req'd Storage
(min)	(in/hr)	(Inches)	(cu.ft.)	(cu.ft)	(cu.ft.)
5	6.48	0.54	1,089	14	1,075
10	4.92	0.82	1,654	28	1,626
15	4.04	1.01	2,037	42	1,995
30	2.72	1.36	2,743	83	2,660
60	1.68	1.68	3,389	167	3,222
120	0.92	1.84	3,711	334	3,378
180	0.62	1.86	3,752	500	3,251
360	0.33	1.99	4,014	1,001	3,013
720	0.20	2.34	4,720	2,001	2,719
1,440	0.10	2.46	4,962	4,002	960
New Sump Capacity pe	er Design				

	Diameter of Sur	np (ft)	6 ft			
	Depth of sump	(ft)	9			
	Depth of Gravel	(ft)	10 ft		Fraction of side	
	Storage in conc	rete sump=	254	cf	wall considered	
	depth of side co	nsidered	9	9		
	for infiltarion					
	length (ft)	Width (ft)	Area (sq.ft)	Vol (cu.ft.)	infil area s.f.	
Sump dimensions/vol	29	29.0	841	8156 cuft	2,001	
Water storage in gravel				3262 cuft		
assuming (40% voids)						
Total Storage in sump a	ind gravel=			3517 cuft		
Total Storage in parking	area			0		

Total Storage in sump a	na gravei=			3517 CUIT		
Total Storage in parking	area			0		
Total Storage				3517 cuft		
Infiltration rate (cfs)				0.046	cfs	
	Infiltration rate is based on infiltration through the bottom and					
	sides.To be co	nservative head w	as neglected			

Vol Cu.yds 3,378 302.0614815 Storage Required: Storage Available: 3,517 okay

ADDITIO SUNE PARI 10 5 1,

HYRUM

047

NGINEERING

PROJECT NO: 24072 DRAWN BY: BKL CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101

DETAIL SHEET

C5.02

A STABILIZED PAD OF CRUSHED STONE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE FROM OR TO PAVED SURFACE.

AT ANY POINT OF INGRESS OR EGRESS AT A CONSTRUCTION SITE WHERE ADJACENT TRAVELED WAY IS PAVED. GENERALLY APPLIES TO SITES OVER 2 ACRES UNLESS SPECIAL

INSTALLATION/APPLICATION CRITERIA: CLEAR GRUB AREA AND GRADE TO PROVIDE MAXIMUM SLOPE OF 2%. COMPACT SUB GRADE AND PLACE FILTER FABRIC IF DESIRED (RECOMMENDED FOR

ENTRANCES TO REMAIN FOR MORE THAN 3 MONTHS. PLACE COARSE AGGREGATE, 1 TO 2-1/2 INCHES IN SIZE, TO A MINIMUM DEPTH OF 8 INCHES.

LIMITATIONS: REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONES.

 SHOULD BE USED IN CONJUNCTION WITH STREET SWEEPING ON ADJACENT PUBLIC RIGHT-OF-WAY.

MAINTENANCE:

 INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP. INSPECT ADJACENT ROADWAY FOR SEDIMENT DEPOSIT AND CLEAN BY SWEEPING OR

 REPAIR ENTRANCE AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.

 EXPAND STABILIZED AREA AS REQUIRED TO ACCOMMODATE TRAFFIC AND PREVENT EROSION AT DRIVEWAYS.

STABILIZED CONSTRUCTION ENTRANCE

OBJECTIVES

HOUSEKEEPING PRACTICES

CONTAIN WASTE MINIMIZE DISTURBED AREA

□ STABILIZE DISTURBED AREA □ PROTECT SLOPES/CHANNELS

 □ CONTROL SITE PERIMETER □ CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

SEDIMENT

 NUTRIENTS TOXIC MATERIALS

□ OIL & GREASE

□ FLOATABLE MATERIALS OTHER WASTE

HIGH IMPACT

 MEDIUM IMPACT □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

CAPITAL COSTS

 ○ & M COSTS ■ MAINTENANCE

□ TRAINING

■ HIGH ⋈ MEDIUM □ LOW

MAINTENANCE INSPECT IMMEDIATELY AFTER ANY RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

(2X4 WOOD POSTS OR STEEL

SECURE FABRIC TO MESH WITH TWINE, STAPLES

OR SIMILAR

APPLICATIONS:

 LOOK FOR RUNOFF BYPASSING ENDS OF BARRIERS OR UNDERCUTTING BARRIERS. REPAIR OR REPLACE DAMAGED AREAS OF THE BARRIER AND REMOVE ACCUMULATED

A TEMPORARY SEDIMENT BARRIER CONSISTING OF ENTRENCHED FILTER FABRIC

PERIMETER CONTROL: PLACE BARRIER AT DOWNGRADE LIMITS OF DISTURBANCE.

PROTECTION OF EXISTING WATERWAYS: PLACE BARRIER AT TOP OF STREAM BANK

PLACE POSTS 6 FEET APART ON CENTER ALONG CONTOUR (OR USE PRE-ASSEMBLED

SECURE WIRE MESH (14 GAGE MIN. WITH 6 INCH OPENINGS) TO UPSLOPE SIDE OF

CUT FABRIC TO REQUIRED WIDTH, UNROLL ALONG LENGTH OF BARRIER AND DRAPE

RECOMMENDED MAXIMUM DRAINAGE AREA OF 0.5 ACRE PER 100 FEET OF FENCE.

RECOMMENDED MAXIMUM UPGRADIENT SLOPE LENGTH OF 150 FEET.

UNIT) AND DRIVE 2 FEET MINIMUM INTO GROUND. EXCAVATE AN ANCHOR TRENCH

POSTS. ATTACH WITH HEAVY DUTY 1 INCH LONG WIRE STAPLES, TIE WIRES OR HOG

OVER BARRIER. SECURE FABRIC TO MESH WITH TWINE, STAPLES, OR SIMILAR, WITH

SEDIMENT BARRIER: PLACE BARRIER AT TOE OF SLOPE OR SOIL STOCKPILE.

INLET PROTECTION: PLACE FENCE SURROUNDING CATCH BASINS

STRETCHED ACROSS AND SECURED TO SUPPORTING POSTS.

INSTALLATION/APPLICATION CRITERIA:

IMMEDIATELY UPGRADIENT OF POSTS

BACKFILL OVER FILTER FABRIC TO ANCHOR.

TRAILING EDGE EXTENDING INTO ANCHOR TRENCH.

RECOMMENDED MAXIMUM UPHILL GRADE OF 2:1 (50%).

RECOMMENDED MAXIMUM FLOW RATE OF 0.5 CFS.

PONDING SHOULD NOT BE ALLOWED BEHIND FENCE.

 REANCHOR FENCE AS NECESSARY TO PREVENT SHORTCUTTING. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.



DUST CONTROLS

1.0 DESCRIPTION: DUST CONTROL MEASURES ARE USED TO STABILIZE SOIL FROM WIND EROSION, AND REDUCE DUST BY CONSTRUCTION ACTIVITIES.

2.0 APPLICATION: 1. DUST CONTROL IS USEFUL IN ANY PROCESS AREA, LOADING AND UNLOADING AREA, MATERIAL HANDLING AREAS, AND TRANSFER AREAS WHERE DUST IS GENERATED. STREET SWEEPING IS LIMITED TO AREAS THAT ARE PAVED.

3.0 INSTALLATION/APPLICATION CRITERIA:

1. MECHANICAL DUST COLLECTION SYSTEMS ARE DESIGNED ACCORDING TO THE SIZE OF DUST PARTICLES AND THE AMOUNT OF AIR TO BE PROCESSED. MANUFACTURERS RECOMMENDATIONS SHOULD BE FOLLOWED FOR INSTALLATION (AS WELL AS THE DESIGN OF THE EQUIPMENT)

2. TWO KINDS OF STREET SWEEPERS ARE COMMON: BRUSH AND VACUUM. VACUUM SWEEPERS ARE MORE EFFICIENT AND WORK BEST WHEN THE AREA IS DRY. 3. MECHANICAL EQUIPMENT SHOULD BE OPERATED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND SHOULD BE INSPECTED REGULARLY.

4.0 LIMITATIONS:

1. IS GENERALLY MORE EXPENSIVE THAN MANUAL SYSTEMS. 2. MAY BE IMPOSSIBLE TO MAINTAIN BY PLANT PERSONNEL (THE MORE ELABORATE

3. IS LABOR AND EQUIPMENT INTENSIVE AND MAY NOT BE EFFECTIVE FOR ALL POLLUTANTS (STREET SWEEPERS).

5.0 MAINTENANCE

1. IF WATER SPRAYER ARE USED, DUST-CONTAMINATED WATERS SHOULD BE COLLECTED AND TAKEN FOR TREATMENT. AREAS WILL PROBABLY NEED TO BE RESPRAYED TO KEEP DUST FROM SPREADING.

OBJECTIVES

HOUSEKEEPING PRACTICES

CONTAIN WASTE

■ MINIMIZE DISTURBED AREA

STABILIZE DISTURBED AREA

 PROTECT SLOPES/CHANNELS □ CONTROL SITE PERIMETER

CONTROL INTERNAL EROSION

U

TARGETED POLLUTANTS

■ SEDIMENT

TOXIC MATERIALS □ OIL & GREASE

☐ FLOATABLE MATERIALS

NUTRIENTS

OTHER WASTE

HIGH IMPACT

MEDIUM IMPACT

□ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

CAPITAL COSTS

□ O & M COSTS MAINTENANCE

▼ TRAINING

FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

FILTERSOCK SPECIFICATION:

1.0 DESCRIPTION: THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.

1. COMPOST: COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AFROBIC COMPOSTING PROCESS MEETING CER 503 REGULATIONS INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC

GUIDELINES FOR LABORATORY PROCEDURES: A. PH - 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS

FOR COMPOST" B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A 1/2" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98 % SHALL NOT EXCEED 3 INCHES IN LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE

CLASSIFICATION" C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.

D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.

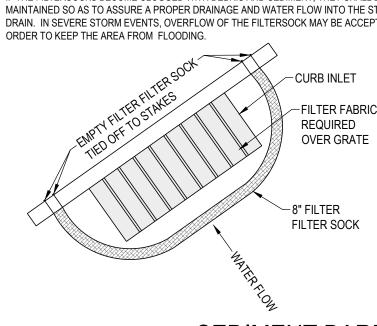
E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. 3.0 CONSTRUCTION AND INSTALLATION OF FILTREXX FILTERSOCKS:

1. FILTREXX FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION ON CONSTRUCTION SITES WHICH REQUIRE PROTECTION AGAINST SEDIMENT LADEN WATER AFTER STORM

2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS COMPLETE PROTECTION OF THE INLET AREA INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE

ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE. 4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS. IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE

5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2. 6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN



SOCK PROTECTION

TO THE DRAIN ITSELF. ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE

8. FOR AREAS WHERE FILTERSOCKS ARE TO BE LEFT AS A PERMANENT PART OF THE LANDSCAPE, FILTERSOCKS MAY BE SEEDED DURING TIME OF MANUFACTURE TO CREATE A LIVING SOCK. FOR SEEDING OPTIONS, THE ENGINEER MAY SIMPLY REPLACE ALL LANGUAGE ABOVE WITH "LIVING FILTREXX FILTERSOCKS"

2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED. 3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY

TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR.

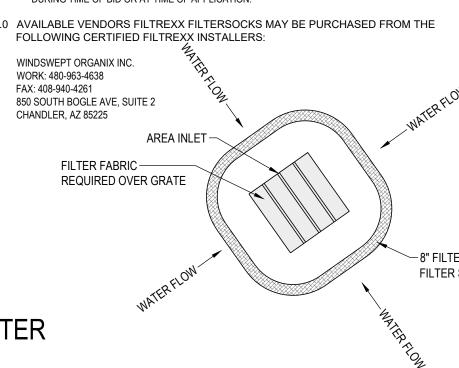
BID ITEMS SHALL SHOW MEASUREMENT AS `FILTREXX FILTERSOCK' PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER.

A MORE EFFECTIVE ALTERNATIVE. FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). DURING TIME OF BID OR AT TIME OF APPLICATION.

1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOBSITE PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0.

2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOB SITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8" MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS

3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.



7 THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER FILTERSOCKS. SEE BELOW SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION.

THE ENGINEER

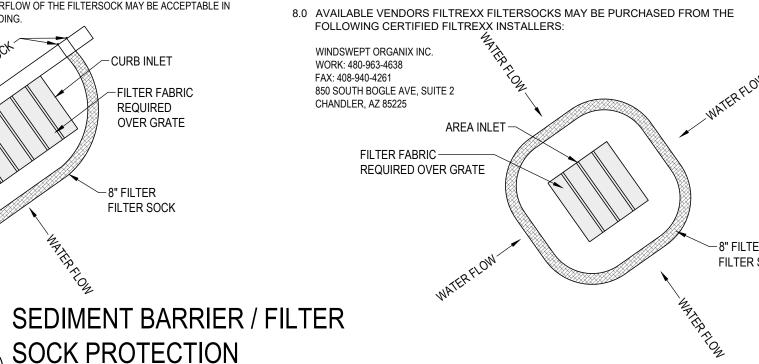
5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING UNDER THEM AS SEDIMENT COLLECTS.

5.0 METHOD OF MEASUREMENT:

REQUIREMENTS AS NEEDED

3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY

APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC.



1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.

4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL

1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION 2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH

CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN

7.0 APPLICATION GUIDELINES:

© REPLENISH

USING A 3 MIL TUBULAR HDPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST

FILTER SOCK

— CONTAINMENT EARCH BERM ALL AROUND LOCATE 50' FROM NEAREST -DRAINAGE AREA PONDING STORAGE

PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM

STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.

PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS

DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED.

AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER WITHIN A BERMED

AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.

DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES,

WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETÉ WASTE

OFF-SITE WASHOUT OF CONCRETE WASTES MAY NOT ALWAYS BE POSSIBLE.

INSPECT SUBCONTRACTORS T ENSURE THAT CONCRETE WASTES ARE BEING

IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS.

OR LEVEL AREA (SEE EARTH BERM BARRIER INFORMATION SHEET.)

IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

THIS TECHNIQUE IS APPLICABLE TO ALL TYPES OF SITES.

INSTALLATION/APPLICATION CRITERIA:

STREETS, OR STREAMS.

CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT

OBJECTIVES HOUSEKEEPING PRACTICES

SECURE MESH TO POSTS WITH

BACK FILL WITH-

TOE DETAIL

ROCKS OR DIRT

WIRE STAPLES 1" LONG OR TIE WIRES OR HOG RINGS

-WIRE MESH

HOUSEKEEPING PRACTICES

MINIMIZE DISTURBED AREA

STABILIZE DISTURBED AREA

PROTÆCT SLOPES/CHANNELS

CONTROL SITE PERIMETER

TARGETED POLLUTANTS

SEDIMENT

NUTRIENTS

TOXIC MATERIALS

□ FLOATABLE MATERIALS

□ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

OIL & GREASE

OTHER WASTE

HIGH IMPACT

MEDIUM IMPACT

CAPITAL COSTS

O & M COSTS

MAINTENANCE

□ TRAINING

CONTROL INTERNAL EROSION

CONTAIN WASTE

MINIMIZE DISTURBED AREA

□ STABILIZE DISTURBED AREA □ PROTECT SLOPES/CHANNELS

□ CONTROL SITE PERIMETER □ CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

□ SEDIMENT NUTRIENTS

TOXIC MATERIALS

□ OIL & GREASE □ FLOATABLE MATERIALS OTHER WASTE

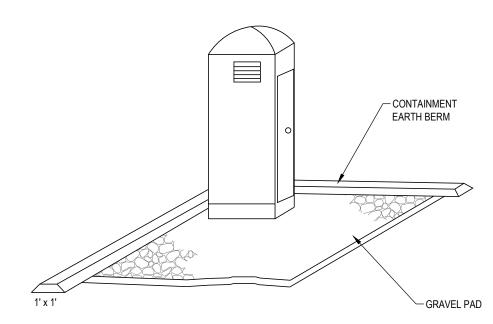
HIGH IMPACT

 MEDIUM IMPACT □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS CAPITAL COSTS

□ O & M COSTS MAINTENANCE

CONCRETE WASTE MANAGEMENT



TEMPORARY ON-SITE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL.

ALL SITES WITH NO PERMANENT SANITARY FACILITIES OR WHERE PERMANENT

FACILITY IS TO FAR FROM ACTIVITIES. INSTALLATION/APPLICATION CRITERIA:

 LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE. PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS FOR SERVICING AND FOR ON-SITE PERSONNEL

 CONSTRUCT EARTH BERM PERIMETER (SEE EARTH BERM BARRIER INFORMATION SHEET), CONTROL FOR SPILL/PROTECTION LEAK.

LIMITATIONS: NO LIMITATIONS

PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED

SERVICE WITH DAILY OBSERVATION FOR LEAK DETECTION.

 REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE. ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT WITH APPROPRIATE AGENCY APPROVAL.

OBJECTIVES

CONTAIN WASTE □ MINIMIZE DISTURBED AREA STABILIZE DISTURBED AREA

□ PROTECT SLOPES/CHANNELS □ CONTROL SITE PERIMETER

CONTROL INTERNAL EROSION

TARGETED POLLUTANTS SEDIMENT

NUTRIENTS

TOXIC MATERIALS □ OIL & GREASE

OTHER WASTE

FLOATABLE MATERIALS

HIGH IMPACT MEDIUM IMPACT

□ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS □ CAPITAL COSTS

 □ O & M COSTS MAINTENANCE



PROJECT NO: 24072 DRAWN BY: BKL CHECKED BY: CEG

EROSION

CONTROL **DETAIL SHEET**

DATE: 05/17/24 PROP# 516922423010101

DETAIL

D/L501

D/L501

B/L501

B/L501

A/L501

DETAIL

G/L501

E/L501

CHANSHARE FARMS (866) SOD-EASY OR APPROVED

CRUSHED ROCK FROM BROWN'S CANYON QUARRY. CONTACT ONE SOURCE MATERIALS, ONESOURCEMATERIALS.COM, (385) 447-9374.

BOULDERS FROM BROWN'S CANYON QUARRY. CONTACT ONE SOURCE MATERIALS, ONESOURCEMATERIALS.COM,

(385) 447-9374.

PARKING

5

REV DATE

DESCRIPTION

PLANTING PLAN

LANDSCAPE SCHEDULE QTY. COMMON NAME

DECIDUOUS TREES AMERICAN HORNBEAM

ALLEE LACEBARK ELM

ULMUS PARVIFLORA 'ELMER II'

INSTRUCTIONS

PINUS SYLVESTRIS 'HILLSIDE CREEPER'

CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'

INSTALL OVER MINIMUM 5" TOPSOIL LAYER.

BURY 1/3 THE DEPTH OF THE BOULDER INTO FINISH GRADE. DO NOT USE BOULDERS THAT ARE LESS THAN 24" DIAMETER. BOULDER SHALL BE WASHED AND FREE OF DIRT AND OTHER FOREIGN

INSTALLED A MINIMUM 3" DEEP. INSTALL OVER DEWITTS 4.1 WEED BARRIER FABRIC. CRUSHED ROCK SHALL BE FREE OF DIRT & OTHER FOREIGN

BOTANICAL NAME

CARPINUS CAROLINIANA

2" CAL.

SIZE

2" CAL.

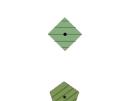


EXISTING DECIDUOUS TREE TO REMAIN



CHAIN LINK FENCE (E

WATERWAY (E) ----



SYMBOL LAWN

BOULDERS

CRUSHED ROCK

HILLSIDE CREEPER SCOTCH PINE ORNAMENTAL GRASSES

PAWNEE BUTTES WESTERN SAND CHERRY PRUNUS BESSEYI 'PAWNEE BUTTES'

20 FOERSTER'S FEATHER REED GRASS DESCRIPTION

1,067 S.F. "IMPERIAL BLUE" LAWN SOD

CENTER POINT OF THE SYMBOL

7 "BROWNS CANYON" BOULDERS

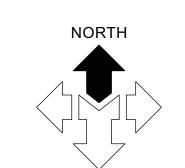
3,629 S.F. "BROWNS CANYON" CRUSHED ROCK

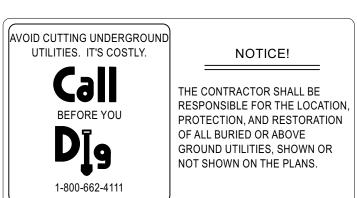
ALWAYS PLANT ACCORDING TO

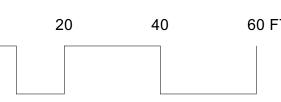
REFERENCE NOTES

OF NEW WALKWAY TO EXISTING LAWN. FEATHER GRADE AS NEEDED.

-1.	NEW CONCRETE MOWSTRIP
	DETAIL H/L501
-2.	PROVIDE A SMOOTH AND STRAIGHT GRADE FROM TOP
	OF NEW WALKWAY TO EXISTING LAWN, FEATHER GRADE







CHAIN LINK FENCE (E)-\

(L-1)

60 FT

EXISTING LAWN TO REMAIN

CURB & GUTTER (E)

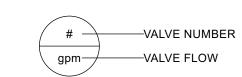
- WATERWAY (E)

GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

NOTICE!

IDDICATION SCHEDI II E

RRIGATION	N SCHEDULE			
SYMBOL	TYPE	MANUFACTURER		DETAIL
Ó	NEW ROTOR HEAD TO MATCH EXISTING			A/L502
DRIP AREAS				
	TREE DRIP RING AT NEW TREES SPACED @ 24" O.C.	NETAFIM	TLCV9-12	H/L502
SYMBOL	TYPE	MANUFACTURER	DESCRIPTION	DETAIL
VALVES				
	DRIP CIRCUIT CONTROL VALVE	RAIN BIRD	XCZ-100-PRB-COM DRIP ZONE KIT WITH 100-PEB CONTROL VALVE AND BASKET FILTER WITH BUILT-IN PRV	E/L502
OTHER EQUIPMENT				
С	EXISTING SMART CONTROLLER TO REMAIN			
	NEW FILTER ASSEMBLY AND ENCLOSURE			A/L503
SYMBOL	TYPE		MATERIAL	DETAIL
PIPE				
	1" DRIP SUPPLY LINE. 1/2" FUNNY PIPE AND EMITTERS NOT SHOWN ON PLAN FOR GRAPHIC CLARITY.		SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502
	2" MAIN LINE		SCHEDULE 40 PVC PIPE WITH SCHEDULE 80 PVC FITTINGS.	C/L502
	1" LATERAL LINE		SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502
	PIPE SLEEVE UNDER NEW PAVING		SCHEDULE 40 PVC	D/L502



EMITTER SCHEDULE

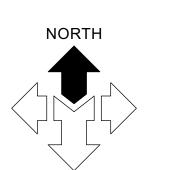
PLANT NAME	DRIP EMISSION DEVICE	MANUFACTURER	MODEL	DETAIL
ALLEE LACEBARK ELM	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
AMERICAN HORNBEAM	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
FOERSTER'S FEATHER REED GRASS	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
HILLSIDE CREEPER SCOTCH PINE	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
PAWNEE BUTTES WESTERN SAND CHERRY	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501

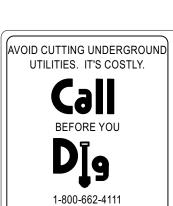
REFERENCE NOTES

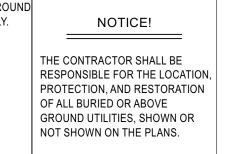
- I-1. REMOVE EXISTING FILTER ASSEMBLY AND FITTINGS AS NEEDED FOR PROPER INSTALLATION OF NEW AUTOMATIC FILTER ASSEMBLY, INCLUDING NEW DRAIN VALVE, QUICK COUPLER VALVE, AND ISOLATION VAVLE -SEE DETAIL C/L503. CONNECT NEW 2" MAINLINE ONTO
- EXISTING 2" MAINLINE AS NEEDED. I-2. INSTALL NEW DRIP CONTROL VALVE ONTO THE NEW MAINLINE PRIOR TO CONNECTING BACK INTO THE EXISTING MAINLINE.
- I-3. EXISTING LATERAL LINE TO REMAIN FIELD VERIFY LOCATION, SIZE, AND DEPTH.
- I-4. NEW ROTOR HEAD TYPE TO MATCH EXISTING IN ORDER TO MATCH EXISTING PRECIPITATION RATE. CONNECT ONTO EXISTING LATERAL LINE AS NEEDED.
- I-5. CONTROL WIRES FOR NEW DRIP VALVE AND HYDROMETER HOUSED IN A 1" PVC CONDUIT TO BE CONNECTED TO EXISTING CONTROLLER LOCATED WITHIN PAVILLION. REPAIR DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION AS NEEDED.

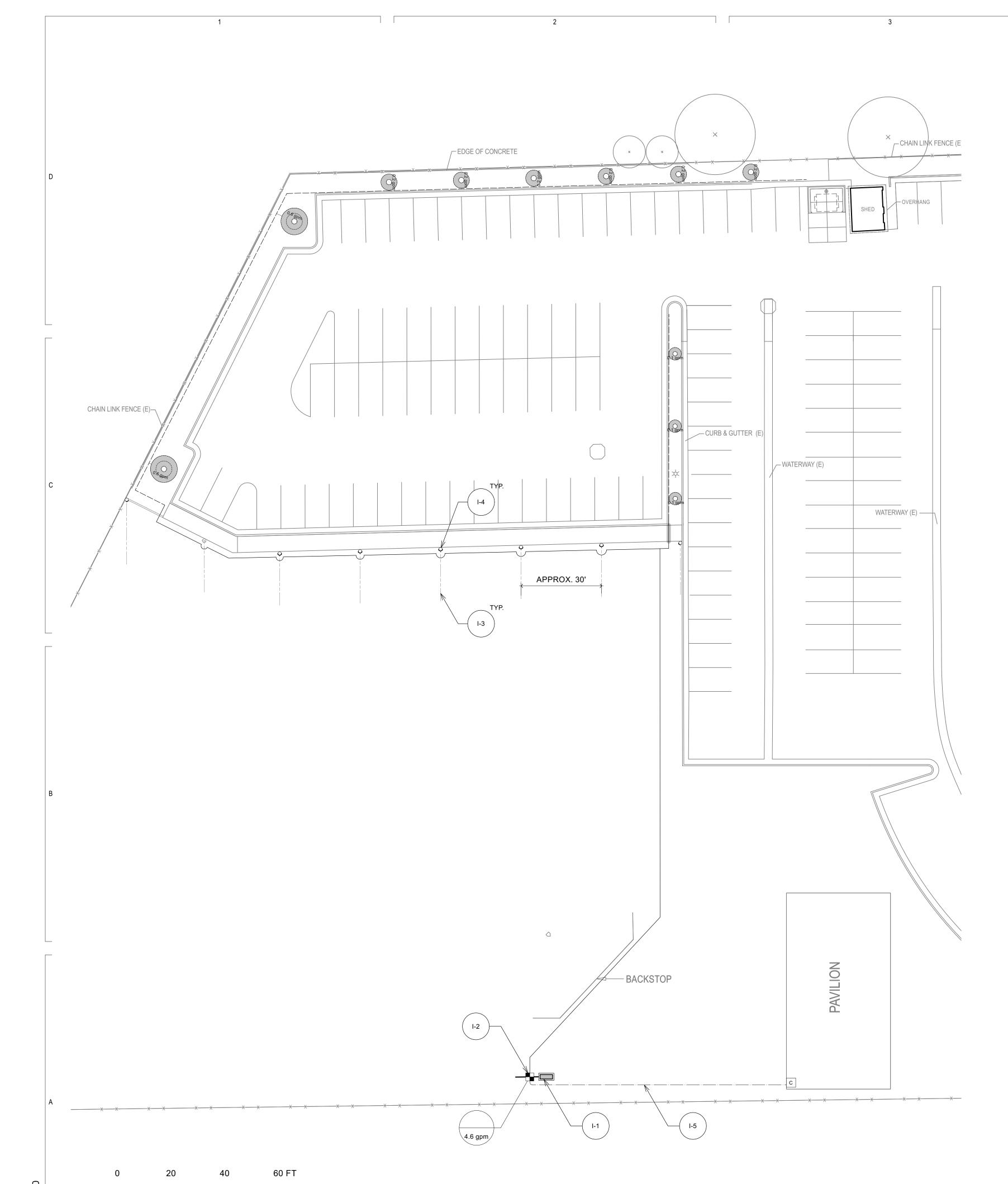
GENERAL NOTE

I-1. REPROGRAM THE EXISTING SMART CONTROLLER AS NEEDED TO INCLUDE THE NEW DRIP IRRIGATION CONTROL VALVE AND HYDROMETER. ALL WORK REQUIRED FOR THE COMPLETE AND PROPER SETUP OF THE NEW HYDROMETER TO THE EXISTING SMART CONTROLLER SHALL BE A PART OF THIS CONTRACT.



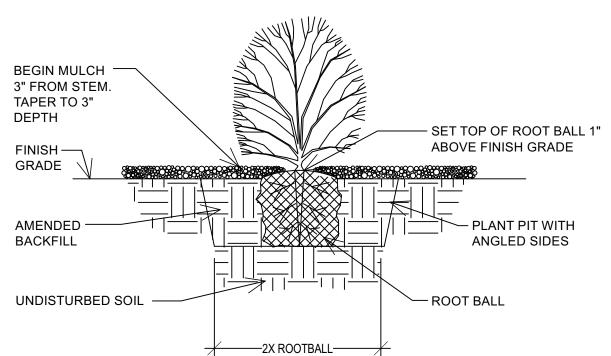






—2X ROOTBALL

ORNAMENTAL GRASSES PLANTING



NOTE: DO NOT USE ROCK MULCH IN LAWN AREAS. EXISTING SLOPE -- BEGIN MULCH 3" FROM STEM TRUNK FLARE MUST BE -TAPER TO 3" DEPTH VISIBLE ABOVE MULCH - WATER RETENTION SET TOP OF ROOT BALL 2" ABOVE FINISH GRADE 2:1 TRANSITION AMENDED BACKFILL SLOPE FINISH GRADE -REMOVE PACKAGING · PLANT PIT WITH MATERIAL AS PER ANGLED SIDES SPECIFICATIONS ROOT BALL ROUGHEN SIDES AND UNDISTURBED SOIL - AMENDED BOTTOM OF HOLE BACKFILL ROOT BALL — ——2X ROOTBALL AUGER HOLE PER



EXPANSION

PARKING

Project For:

♦ McNEIL ENGINEERING

Structural Engineering • Land Surveying & HDS

ROOFING -NAIL (2)

SPECIFCATIONS (REMOVE CALLOUT IF 2X ROOTBALL DEEMED UNNECESSARY

FLEXIBLE STRAP TREE TIE - 1 (ONE) CONTINUOUS PIECE

- START MULCH 3" FROM STEM.

TAPER TO 3"DEPTH.

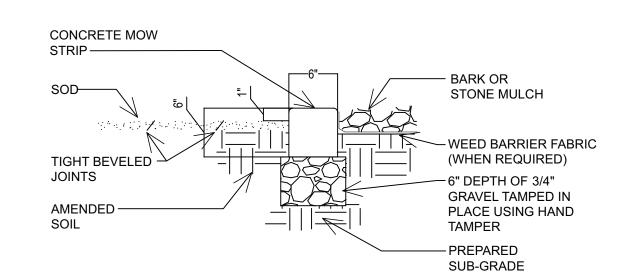
PLANT PIT WITH

SLOPED BOTTOM

ANGLED SIDES AND

TREE PLANTING AND STAKING

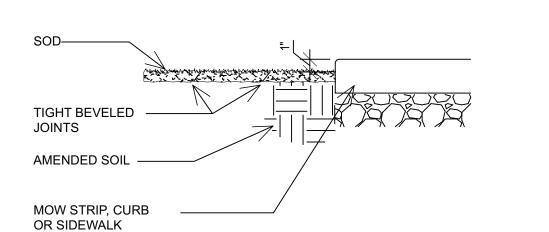
- 1. MOW STRIP TO BE 4,500 PSI CONCRETE WITH 6% AIR \pm 1 1/2. 2. INSTALL EXPANSION AND CONTROL JOINTS AS PER SPECIFICATIONS. 3. PROVIDE POSITIVE DRAINAGE AROUND MOW STRIPS. DO NOT CREATE A DAM
- EFFECT WITH PLACEMENT OF MOW STRIP. 4. MAXIMUM 1/2" WIDTH VARIATION.
- 5. FOLLOW LAYOUT PLAN PRECISELY AS SHOWN ON MOW STRIP/EDGING
- DIMENSION PLAN. 6. RAISE THE LAWN GRADE 1" WHEN SEEDING.





PLANTING ON SLOPE

- A. LAYING OF SOD: 1. LAY SOD DURING GROWING SEASON AND WITHIN 48 HOURS OF BEING LIFTED.
- 2. LAY SOD WHILE TOP 6 INCHES OF SOIL IS DAMP, BUT NOT MUDDY. SODDING DURING FREEZING TEMPERATURES OR OVER FROZEN SOIL IS NOT ACCEPTABLE.
- 3. LAY SOD IN ROWS PERPENDICULAR TO SLOPE WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE. 4. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED SURFACES.
- 5. DO NOT SOD SLOPES STEEPER THAN 3:1. CONSULT WITH ARCHITECT FOR ALTERNATE TREATMENT. B. AFTER LAYING OF SOD IS COMPLETE:
- 1. ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER. 2. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS, OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT I
- RREGULARITIES IN GRADE WILL NOT BE PERMITTED. 3. WATER SODDED AREAS IMMEDIATELY AFTER LAYING SOD TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 6



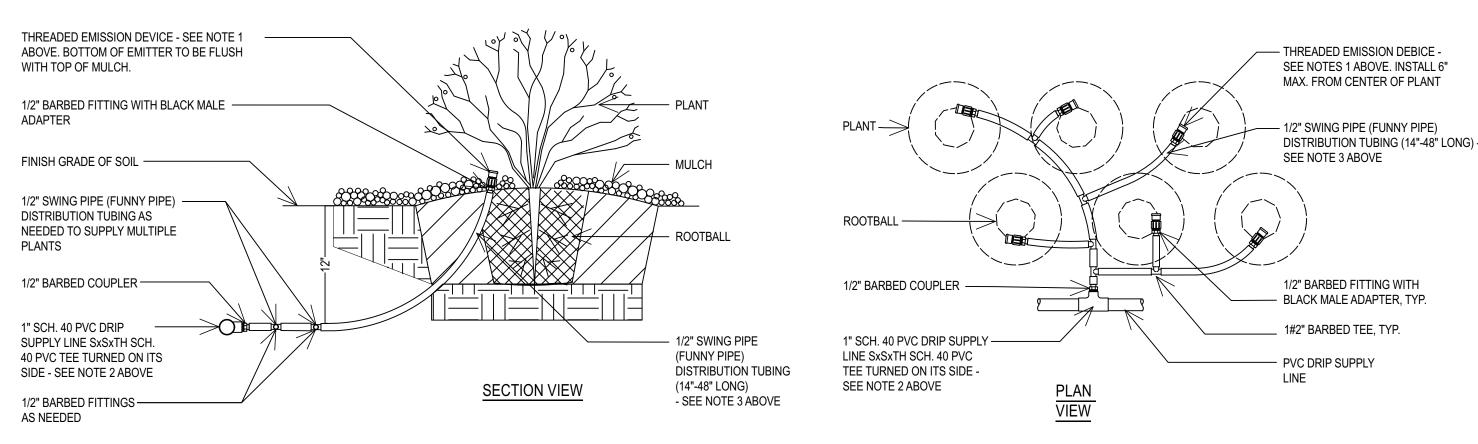
SOD INSTALLATION

- MULCH — FINISH GRADE

DRIP EMISSION DEVICE @ SHRUBS

DETAIL





DISTRIBUTION TUBING (14"-48" LONG) -

Property Number: 516-9224 JOB NUMBER: OWNER: LDS CHURCH APRIL 2024

> DESCRIPTION REV DATE

LANDSCAPE **DETAILS**

L501

SHRUB PLANTING

- 1. APPLY PRE-EMERGENT HERBICIDE TO SHRUB AND GROUND COVER PLANTING AREAS AND GRASS-FREE AREAS AT TREES IN LAWN PRIOR TO PLACEMENT OF WEED BARRIER FABRIC AND MULCH.
- 2. PRE-EMERGENT SHALL BE "SURFLAN AS" (LIQUID) BY UNITED PHOSPHORUS INC, TRENTON, NJ, OR APPROVED EQUAL.
- 3. INSTALL MULCH TO UNIFORM DEPTH AND RAKE TO NEAT FINISHED APPEARANCE FREE OF HUMPS AND

CONCRETE PAVING BARK OR STONE MULCH (SEE PLANT SCHEDULE FOR TYPE). HOLD DOWN 1" FROM TOP OF WALLS, WALKS, AND CONCRETE PADS WEED BARRIER FABRIC (REFER TO PLANT SCHEDULE FOR TYPE) COMPACTED OR UNDISTURBED SUB-GRADE

MULCH

NOTES:

1. SEE EMISSION DEVICE SCHEDULE ON IRRIGATION PLAN FOR TYPE, QUANTITY AND SIZE OF EMISSION DEVICE PER PLANT.

- 2. INSTALL A MAX. OF (6) EMISSION DEVICES PER PVC CONNECTION.
- 3. DISTRIBUTION TUBING SHALL BE INSTALLED A MINIMUM OF 12" BELOW FINISHED GRADE AND ONLY BE BROUGHT TO THE SURFACE AT EACH PLANT.

♦ McNEIL ENGINEERING

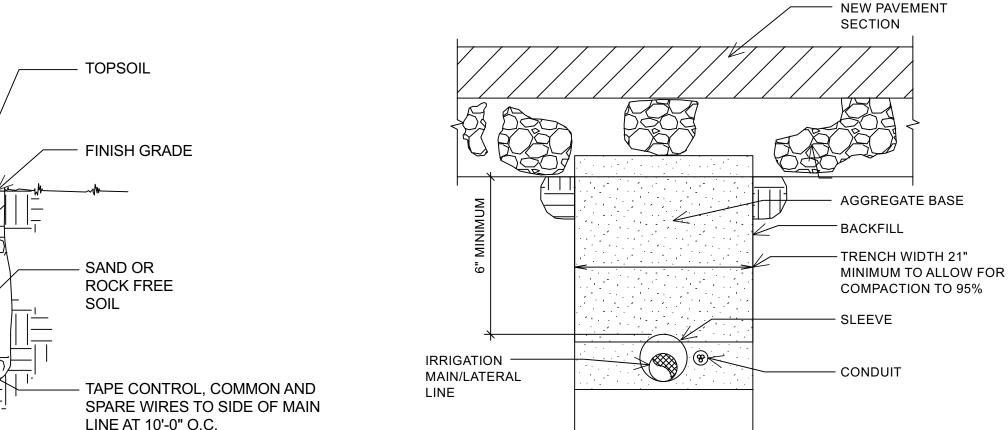
REV DATE

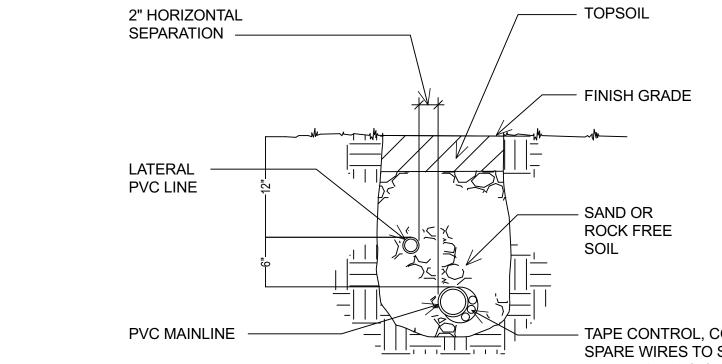
DESCRIPTION

LANDSCAPE **IRRIGATION**

DETAILS

L502







CURB, WALK OR

MOW STRIP

1. IF BALL VALVE IS INCLUDED WITH DRIP ZONE KIT, INCLUDE ENTIRE KIT WITHIN ONE BOX. REMOVE ROUND BOX. IF BALL VALVE IS PURCHASED SEPARATELY, INSTALL AS SHOWN, OR AS PER C/L502 FOR MULTIPLE DRIP VALVE ASSEMBLY. 2. WIRING NOT SHOWN. INSTALL AS PER CONVENTIONAL OR

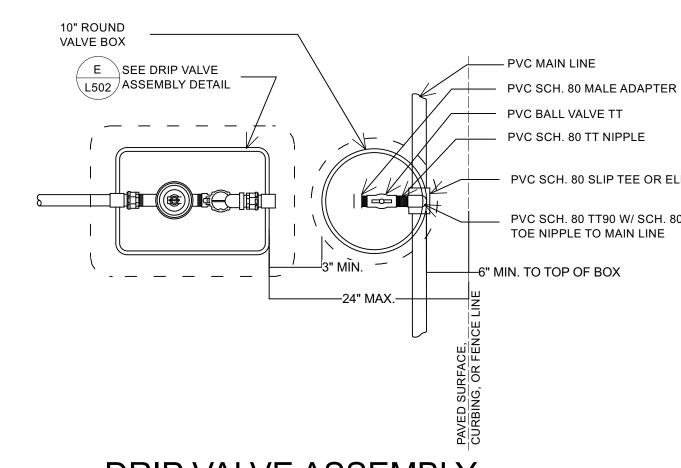
TWO-WIRE AUTOMATIC VALVE SECTIONS

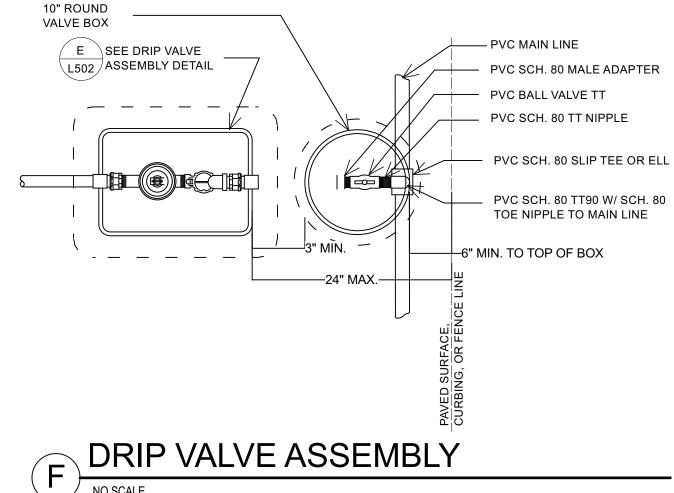
POP UP SPRAY

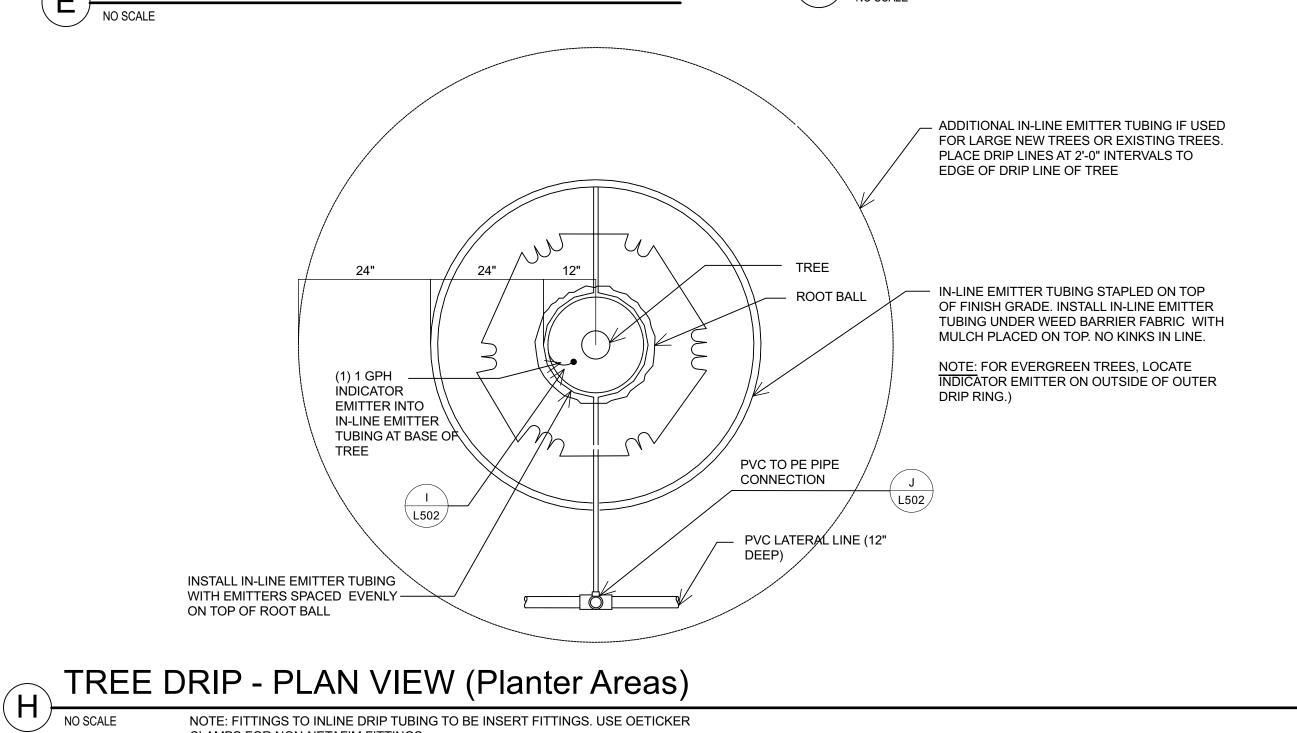
TOP OF SEED

BED OR SOD

OR ROTOR HEAD —







- FINISH GRADE

ROTOR POP-UP

3/4" MARLEX STREET

- 3/4" PVC STREET ELL

SPRINKLER

- 3/4" MARLEX

STREET ELL

STREET ELL

24-INCH LINEAR LENGTH OF

FROM MANIFOLD OR

BALL VALVE

WIRE, COILED

24" COILED EXTRA WIRE (DIFFERENT COLOR) INSTALL

COIL IN EACH VALVE BOX

SIDE VIEW

COMPACTED

PVC SCH. 80 NIPPLE

EXCEED 45 DEG

PVC LATERAL LINE

ROTOR POP-UP HEAD

2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH

3. PROVIDE MIN. 2" CLEARANCE BETWEEN WIRE AND CMU BLOCK.

CLEARANCE

DRIP VALVE ASSEMBLY-SECTION

CONVENTIONAL WIRE SYSTEM

BETWEEN

ANGLE

NOTES: 1. LIMIT 1 VALVE PER BOX.

EVERYWHERE ELSE.

VALVE ID TAG

LANDSCAPE

SURFACING

FINISH GRADE

LATERAL LINE

L502

FABRIC —

5" MIN. DEPTH OF 3/4-INCH WASHED

PVC SCH. 80 'ACTION' UNION (BOTH

PVC SCH. 80 SS COUPLER (BOTH SIDES)

SIDES) INSIDE OF VALVE BOX

VALVE BOX 12" DEEP STANDARD

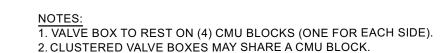
FILTER

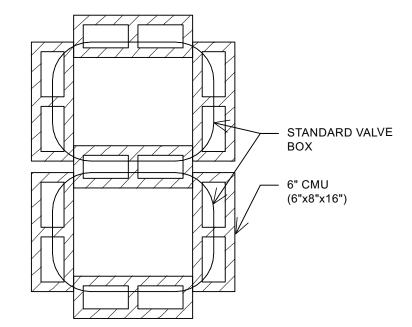
AUTOMATIC VALVE

WATERPROOF WIRE CONNECTORS

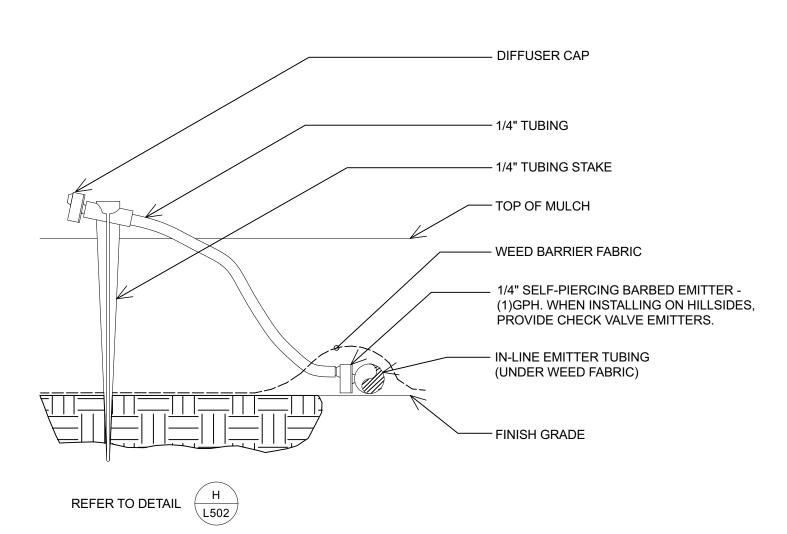
8" LONG MIN. NOT TO





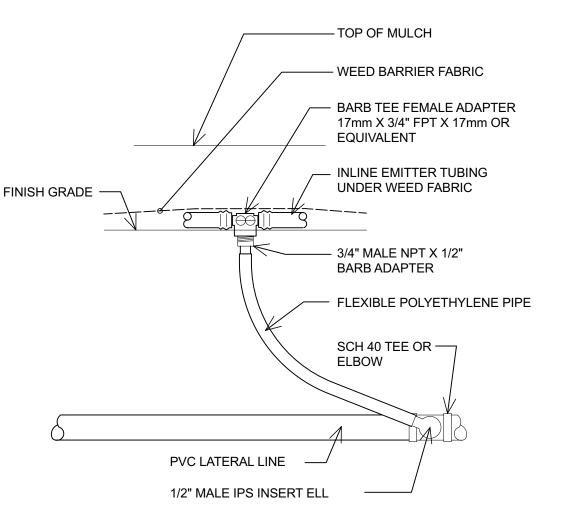


G CMU PLACEMENT



1. CONNECT SELF-PIERCING EMITTER DIRECTLY INTO IN-LINE EMITTER TUBING. 2. THIS IS AN INDICATOR ONLY EMITTER TO BE USED AT EACH TREE RING AND AREA WHERE IN-LINE EMITTER TUBING IS INSTALLED. 3. 1/4" TUBING LENGTH: MINIMUM 14", MAXIMUM 24".

INDICATOR EMITTER



MISC. PIPE TRENCH DETAIL

NEW PAVEMENT AREAS

1. USE AT TREE RINGS AND AS CONNECTION FROM SUPPLY AND EXHAUST HEADERS. 2. DO NOT EXCEED (3) GPM FLOW THROUGH SINGLE CONNECTION.

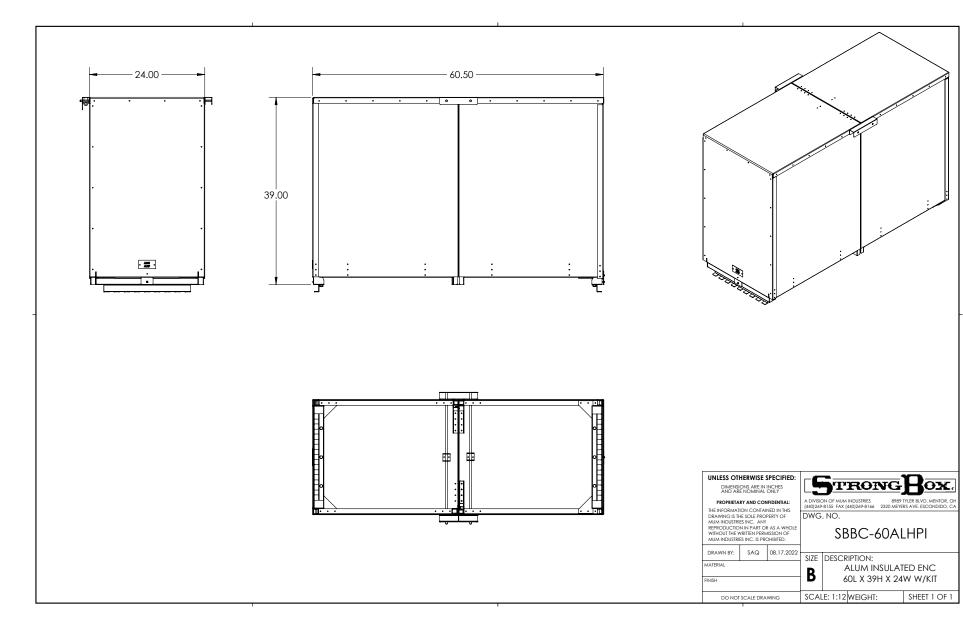


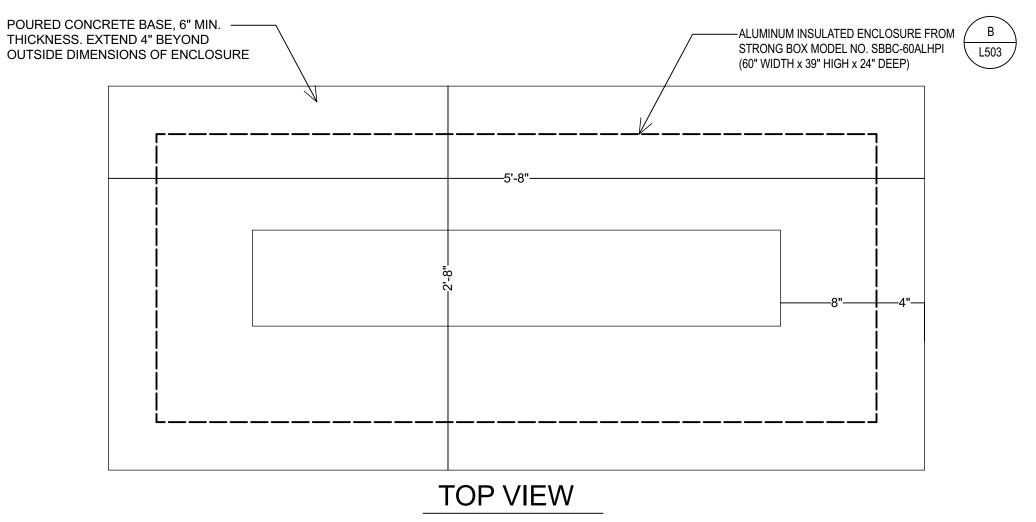
LINE AT 10'-0" O.C.

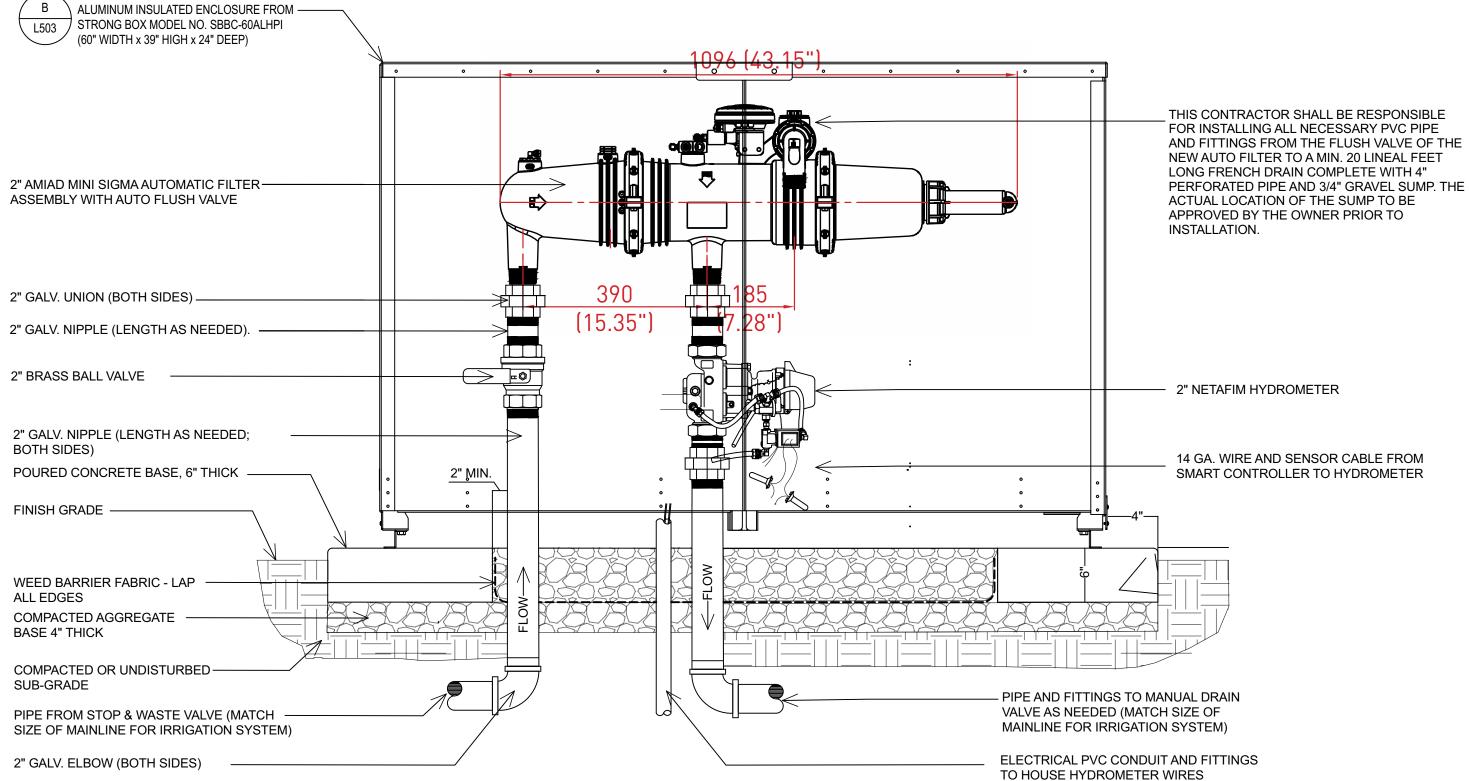
125 NORTI HYRUM, U

LANDSCAPE **IRRIGATION DETAILS**

L503

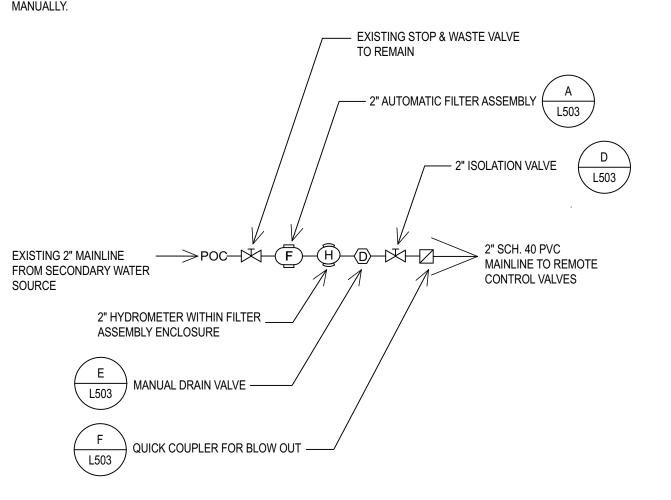


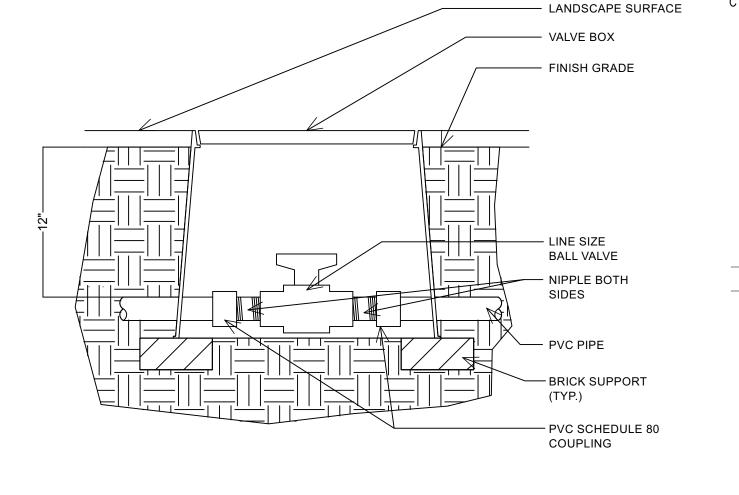




FILTER ASSEMBLY ENCLOSURE

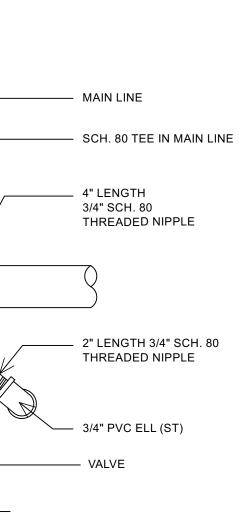
NOTE: INSTALL ISOLATION VALVE AFTER THE HYDROMETER AND BEFORE THE QUICK COUPLER. THE FLOW SENSOR, MASTER VALVE, AND FILTER ASSEMBLY IS TO BE DRAINED





POC SCHEMATIC LAYOUT

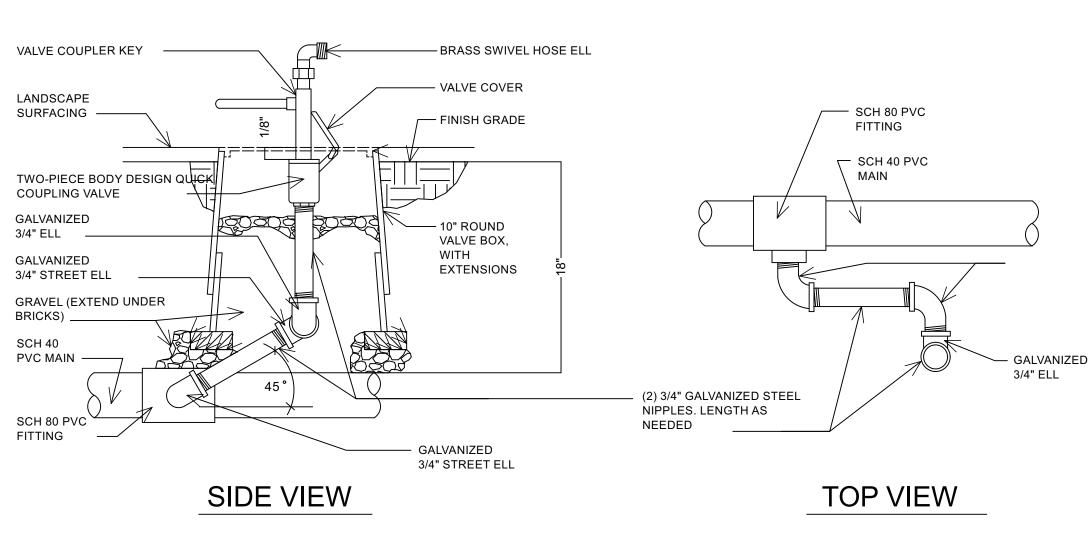




NOTE: DRAIN INTO CENTER OF

2" CLASS 200 PVC SLEEVE ____

TOP VIEW



QUICK COUPLING VALVE

MAIN LINE

SIDE VIEW

A AUTOMATIC FILTER ASSEMBLY WITH HYDROMETER
No scale

- FINISH GRADE

LAWN AREAS

SLEEVE

2" CLASS 200 PVC

FILTER FABRIC TO

BUT STILL ALLOW

SURROUND GRAVEL

ACCESS TO MANUAL

_ 2" LENGTH 3/4" SCH. 80

- 3'-0"x 3-0"x 3'-0" GRAVEL

UPSIZE AS REQUIRED

THREADED NIPPLE

3/4" PVC ELL (ST)

SUMP MIN.

10" DIA. ROUND VALVE BOX IN SHRUB AND

MANUAL DRAIN VALVE

LANDSCAPE SURFACING

SCH. 80 TEE IN —

MAIN LINE

MAIN LINE

3/4" MARLEX

STREET ELL

4" LENGTH

3/4" SCH. 80

THREADED

NIPPLE -

VALVE -

DATE: REV DATE DESCRIPTION

ELECTRICAL GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD ROUTING WITH EXISTING EQUIPMENT. PROVIDE ALL NECESSARY OFFSETS TO AVOID CONFLICTS WITH EXISTING EQUIPMENT OR OTHER OBSTRUCTIONS.
- ELECTRICAL CONTRACTOR IS TO REFER TO THE ARCHITECTURAL DEMOLITION DRAWINGS. THE ARCHITECTURAL DEMOLITION DRAWINGS ARE PART OF THIS CONTRACT.
- ELECTRICAL CONTRACTOR TO REFER TO THE CIVIL ENGINEER'S DRAWING AND COORDINATE ELECTRICAL INSTALLATION WITH ALL UTILITIES.
- EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE PER NEC 408.4(A).
- MULTI-WIRE BRANCH CIRCUITS: ELECTRICAL CONTRACTOR TO COMPLY WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 210.4. MULTI-WIRE BRANCH CIRCUITS. ELECTRICAL CONTRACTOR TO ALLOW FOR MULTI-WIRE BRANCH CIRCUITS WIRE AMPACITY ADJUSTMENT AS PER ARTICLE 310, TABLE 310.15(B)(2)(A) OF THE NATIONAL ELECTRICAL CODE.
- NEW INSTALLATION SHALL CONFORM TO THE NEC REVISION OBSERVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL INCLUDED PROVISIONS IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING. COORDINATION SHALL BE DONE TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.
- MAINTAIN CIRCUIT INTEGRITY & CONTINUITY OF ALL EXISTING CIRCUITS, FEEDERS & SYSTEMS THAT INTERFERE WITH OR ARE INTERRUPTED BY REMODEL WORK, UNLESS THOSE CIRCUITS, FEEDERS & SYSTEMS ARE IN OPERATION DURING CONSTRUCTION. PROVIDE TEMPORARY PANELS, TEMPORARY WIRING & CONDUITS, ETC. AS REQUIRED.
- . ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC, IN PORTIONS OF THE BUILDING NOT BEING REMODELED SHALL REMAIN IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
- 10. EXISTING ELECTRICAL DEVICES TO REMAIN UNLESS NOTED
- 1. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER, PER INDUSTRY STANDARD AND TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- 12. WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES, STANDARDS AND ORDINANCES.
- 13. THE MINIMUM SIZE OF THE CONDUCTORS ARE TO BE #12 AWG THHN COPPER, UNLESS INDICATED OTHERWISE ON THE" DRAWINGS. STRANDED CONDUCTORS ARE NOT ALLOWED IN THE CONDUCTORS SMALLER THAN #10 AWG.
- 14. DETAILS ARE SHOWN ON DIFFERENT SHEETS. THE CONTRACTOR SHALL REFER TO THOSE DETAILS WHETHER OR NOT CALLED IN REFERENCE NOTES.
- 15. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED AND NEW.
- 16. CONTRACTOR SHALL MEASURE STEADY STATE LOAD CURRENTS AT EACH PANEL BOARD FEEDER FOR ALL ALTERED PANEL BOARDS. SHOULD THE DIFFERENCE BETWEEN PHASES EXCEED 20 PERCENT AT ANY PANEL BOARD, REARRANGE CIRCUITS IN PANEL BOARD TO BALANCE THE PHASE LOAD WITHIN 20 PERCENT. TAKE CARE TO MAINTAIN PROPER PHASING FOR MULTI-WIRE BRANCH CIRCUITS. UPDATE DIRECTORIES ACCORDINGLY.
- 7. CONTRACTOR SHALL PROVIDE MINIMUM OF ONE WEEK NOTICE IN WRITING TO THE OWNER PRIOR TO ANY POWER OUTAGE. OUTAGES SHOULD BE PLANNED AROUND HOLIDAYS OR WEEKENDS. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ALL POWER OUTAGES PRIOR TO COMMENCING WORK.

ELECTRICAL SYMBOLS SYMBOL LEVELANIATION SYMBOL SYMBOL LEVELANIATION SYMBOL SYM									
SYMBOL	EXPLANATION BRANCH CIRCUIT CONCEALED IN CEILING OR WALL	SYMBOL F1	EXPLANATION FIXTURE TYPE SYMBOL	SYMBOL	EXPLANATION TAMPER AND FLOW				
	BRANCH CIRCUIT CONCEALED IN GROUND OR FLOOR		LINIER FIXTURE (TYPICAL)	FACP	FIRE ALARM CONTROL PANEL				
— A−1,3	BRANCH CIRCUIT HOMERUNS TO PANEL		EMERGENCY LIGHTING UNIT	RFAA	REMOTE FIRE ALARM ANNUNCIATOR PANEL				
135	ROOM NUMBER		SURFACE OR PENDANT MOUNTED FIXTURE	NAC	FIRE ALARM NAC PANEL				
(CH)	MECHANICAL EQUIPMENT SYMBOL		RECESSED FIXTURE	VOICE	FIRE ALARM VOICE PANEL				
\bigcirc	KEYED NOTE REFERENCE	-0	WALL MOUNTED FIXTURE	D/H	DOOR HOLDER				
(42X)	FEEDER TAG (SEE FEEDER SCHEDULE)		WALL PACK	F/S	FIRE/SMOKE DAMPER				
FLUSH SURFACE	LIGHTING AND POWER PANELBOARD		STRIP FIXTURE	E	FIRE ALARM PULL STATION				
└── NON-FUSED └── FUSED	DISCONNECT SWITCH	∇	TRACK LIGHTING	Ø	FIRE ALARM STROBE				
□ NON-FUSED □ FUSED	DISCONNECT SWITCH WITH MOTOR STARTER	BUGEYE GRESS	EMERGENCY LIGHTING UNIT		FIRE ALARM HORN/STROBE				
\boxtimes	MOTOR STARTER	⊦⊗	WALL MOUNTED EXIT LIGHT (SINGLE FACE)	⊠√LF	FIRE ALARM HORN/STROBE (LF = LOW FREQUENCY)				
VFD	VARIABLE FREQUENCY DRIVE	⊦₫	WALL MOUNTED EXIT LIGHT (DOUBLE FACE)		FIRE ALARM HORN/STROBE WITH PROTECTIVE COVER				
©	CONDUIT STUB	⊗	CEILING MOUNTED EXIT LIGHT (SINGLE FACE)		FIRE ALARM SPEAKER/STROBE				
<u></u>	JUNCTION BOX		CEILING MOUNTED EXIT LIGHT (DOUBLE FACE)	⊠dlf	FIRE ALARM SPEAKER/STROBE (LF = LOW FREQUENCY)				
	ELECTRIC VEHICLE CHARGING STATION (EVSE)	⊗)	EXIT LIGHT WITH PROTECTIVE COVER		FIRE ALARM SPEAKER				
A−3 	MODIFIER —PANEL SPACE ASSIGNMENT —EQUIPMENT DESIGNATION	\$	SINGLE POLE SWITCH (SUBSCRIPT AS INDICATED BELOW)	□¶LF	FIRE ALARM SPEAKER (LF = LOW FREQUENCY)				
	MOUNTING HEIGHT ABOVE FLOOR OR GRADE GIVEN IN INCHES. PROTECTED BY FAULT CIRCUIT INTERRUPTER	2 3	TWO POLE SWITCH 3-WAY SWITCH		FIRE ALARM HORN				
TR WP	TAMPER RESISTANT WEATHERPROOF COVER & LISTED WEATHER RESISTANT DEVICE	4 D	4-WAY SWITCH DIMMER SWITCH		FIRE ALARM HORN (LF = LOW FREQUENCY)				
DISP DW	DISPOSAL DISHWASHER	K	KEYED SWITCH TIMER SWITCH	Ø	FIRE ALARM STROBE CEILING MOUNTED				
EWC	ELECTRIC WATER COOLER	м _	MANUAL STARTER WITH THERMAL OVERLOAD	® 1	FIRE ALARM HORN/STROBE CEILING MOUNTED				
REF USB	REFRIGERATOR HUBBELL USB15AC5W OR EQUAL DUPLEX PLUS USB CHARGER	F OC LV LV/D	PADDLE FAN SPEED CONTROL. (CANARM "CN" SERIES) OCCUPANCY SENSOR SWITCH	⊗ 1LF	FIRE ALARM HORN/STROBE CEILING MOUNTED				
WASH	WASHING MACHINE		LOW VOLTAGE CONTROL SWITCH LOW VOLTAGE CONTROL SWITCH WITH DIMMER	01	(LF = LOW FREQUENCY) FIRE ALARM HORN CEILING MOUNTED				
	CHIPLEY DECERTACLE CHIPLET	OC/D OC/2	OCCUPANCY SENSOR CONTROL SWITCH WITH DIMMER DUAL RELAY OCCUPANCY SENSOR CONTROL SWITCH		FIRE ALARM HORN CEILING MOUNTED (LF = LOW FREQUENCY)				
<u> </u>	SIMPLEX RECEPTACLE OUTLET		DOUDLE CANO CWITCH	O1LF	, , , , , , , , , , , , , , , , , , ,				
—	DUPLEX RECEPTACLE OUTLET	\$\frac{5}{2}	DOUBLE GANG SWITCH LOW VOLTAGE MULTI BUTTON CONTROL SWITCH	В	SMOKE DETECTOR (SUBSCRIPT AS INDICATED BELOW) SMOKE ALARM BATTERY-BACKED				
₩	QUAD RECEPTACLE OUTLET	\$500,000	(LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES) CONTROLLING SWITCH		SMOKE/CARBON MONOXIDE ALARM COMBO BATTERY—BACKED SMOKE/CARBON MONOXIDE DETECTOR WITH LOW FREQUENCY SOUNDER BASE				
	SPLIT WIRED DUPLEX RECEPTACLE OUTLET	\$°\$°	(LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES)	CS/LF D	DUCT SMOKE DETECTOR				
₩	220V RECEPTACLE OUTLET	\$	OCCUPANCY SENSOR (CEILING MOUNTED)	S/LF	SMOKE DETECTOR WITH ADDRESSABLE RELAY SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE				
⊕ =	ISOLATED GROUND RECEPTACLE OUTLET	DT PIR	DUAL TECHNOLOGY OCCUPANCY SENSOR (CEILING MOUNTED) PASSIVE INFRARED OCCUPANCY SENSOR (CEILING MOUNTED)	1	HEAT DETECTOR				
\times	SPECIAL RECEPTACLE OUTLET	(RC)	ROOM CONTROLLER	٥	GAS DETECTOR				
①	THERMOSTAT OUTLET	(LS)	DAYLIGHT SENSOR	CO CO/NO2	CARBON MONOXIDE DETECTOR CARBON MONOXIDE/NITROGEN DIOXIDE SENSOR (GARAGE)				
S	REMOTE SENSOR OUTLET	P	PHOTOCELL	®	ADA TWO-WAY COMMUNICATIONS SYSTEM				
▽(#)	COMPUTER DATA OUTLET (#) INDICATES JACK QUANTITIES	♡	VOLUME CONTROL	KP	ACCESS CONTROL KEY PAD				
\overline{V}	NETWORK AND VOICE OUTLET		WALL SPEAKER	[CR]	ACCESS CONTROL CARD READER				
	WIRELESS ACCESS POINT CEILING MOUNTED		CEILING SPEAKER	Sps	ACCESS CONTROL DOOR STRIKE				
TV	TELEVISION OUTLET		SURVEILLANCE CAMERA	ML	ACCESS CONTROL MAG LOCK				
9	MOTOR OUTLET	DVR	SURVEILLANCE DIGITAL VIDEO RECORDER	DS	ACCESS CONTROL DOOR SENSOR				
	EXHAUST FAN	NURSE	NURSE CALL ANNUNCIATOR PANEL	•	ACCESS CONTROL REQUEST TO EXIT				
$\bigcirc\!$	FLOOR MOUNTED DEVICE	₽.N	NURSE CALL EMERGENCY CALL DEVICE	0	PUSHBUTTON				
MOTE: ALL SMARK	CEILING MOUNTED DEVICE	M	NURSE CALL EMERGENCY CALL LIGHT	- ®	BELL				
NOTE: ALL SYMBO	OLS MAY NOT BE USED.								

ABBREVIATIONS INDEX									
#	NUMBER	DC	DIRECT CURRENT	KW	KILOWATT	PT	POTENTIAL TRANSFORMER		
ф	PHASE	DISP	DISPOSAL	LRA	LOCKED ROTOR AMPS	PV	PHOTOVOLTAIC		
1φ	SINGLE PHASE	DRY	DRYER	LTG	LIGHTING	PVC	POLYVINYL CHLORIDE		
2P	TWO-POLE	DW	DISHWASHER	MATV	MASTER ANTENNA TELEVISION	(R)	RELOCATE		
3ф	THREE PHASE	DWG	DRAWING	MAX	MAXIMUM	RECP	RECEPTACLE		
4P	FOUR-POLE	EC	EMPTY CONDUIT	MB	MAIN BUS	REF	REFRIGERATOR		
AC	ALTERNATING CURRENT	EM	EMERGENCY	MCB	MAIN CIRCUIT BREAKER	REQ	REQUIRED		
AFF	ABOVE FINISHED FLOOR	EMG	EMERGENCY GENERATOR	MCC	MOTOR CONTROL CENTER	RLA	RATED LOAD AMPS		
AFG	ABOVE FINISHED GRADE	EMT	ELECTRICAL METALLIC TUBING	MCM	1000 CIRCULAR MILLS	RMS	ROOT MEAN SQUARE		
AFP	ARC FAULT PROTECTOR	EP0	EMERGENCY POWER OFF	MH	MANHOLE	SE	SERVICE ENTRANCE		
AHJ	AUTHORITY HAVING JURISDICTION	EWC	ELECTRIC WATER COOLER	MIC	MICROPHONE	SPD	SURGE PROTECTION DEVICE		
AIC	AMP INTERRUPTING CURRENT (SYMMETRICAL)	EWH	ELECTRIC WALL HEATER	MIN	MINIMUM	SPEC	SPECIFICATION		
AL	ALUMINUM	(E)	EXISTING	MLO	MAIN LUGS ONLY	SPK	SPEAKER		
AM	AMPS METER	(E) (F)	FUTURE	MNF	MANUFACTURER	SS	SELECTOR SWITCH		
AMP	AMPERE	FA	FIRE ALARM	MTG	MOUNTING	SW	SWITCH		
ANN	ANNUNCIATOR		FIRE ALARM CONTROL PANEL	MTR	MOTOR	SWBD	SWITCHBOARD		
ATS	AUTOMATIC TRANSFER SWITCH	FC	FOOT CANDLE	MW	MICROWAVE	SWGR	SWITCHGEAR		
AUX	AUXILIARY	FLA	FULL LOAD AMPS	(N) N/A	NEW	TTB	TELEPHONE TERMINAL BOARD		
AWG	AMERICAN WIRE GAUGE	FT	FOOT		NOT APPLICABLE	TBC	TELEPHONE TERMINAL CABINET		
BC	BARE COPPER	FRZ	FREEZER	NC	NORMALLY CLOSED	TV	TELEVISION		
BFG	BELOW FINISH GRADE	FS	FUSED SWITCH	NEC	NATIONAL ELECTRICAL CODE	TYP	TYPICAL		
С	CONDUIT	GFAF	DUAL FUNCTION GFCI/AFCI CIRCUIT BREAKER	NEMA	NATIONAL MANUFACTURING ASSOCIATION	UG	UNDERGROUND		
CAB	CABINET	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NFC	NATIONAL FIRE CODE	UNO	UNLESS NOTED OTHERWISE		
CATB	COMMUNITY ANTENNA TELEVISION	GFEP	GROUND-FAULT EQUIPMENT PROTECTION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UPS	UNINTERRUPTIBLE POWER SUPPLY		
CATV	CABLE TELEVISION	GFP	GROUND FAULT PROTECTOR	NFS	NON FUSED SWITCH	V	VOLT (KV-KILOVOLT)		
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	GRC	GALVANIZED RIGID CONDUIT	NIC	NOT IN CONTRACT	VA/R	VOLT-AMPS/REACTIVE		
CKT	CIRCUIT	GRD	GROUND	NL	NIGHT LIGHT	VM	VOLT METER		
CLG	CEILING	HP	HORSE POWER	NO	NORMALLY OPEN	W	WATTS		
CNTR	CONTRACTOR	HZ	HERTZ	NTS	NOT TO SCALE	W/	WITH		
CO	CONVENIENCE OUTLET	IG	ISOLATED GROUND	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WASH	WASHER		
CRT	COMPUTER TERMINAL	IMC	INTERMEDIATE METALLIC CONDUIT	OFOI	OWNER FURNISHED OWNER INSTALLED	WH	WATTHOUR		
CT	CURRENT TRANSFORMER	IN	INCH	OS&Y	OUTSIDE SCREW AND YOKE	W/O	WITHOUT		
CU	COPPER	J-B0X	JUNCTION BOX	PB	PUSH BUTTON	WP	WEATHER PROOF		
C/W	CONDUIT WITH	KV	KILOVOLT	PF	POWER FACTOR	XFMR	TRANSFORMER		
	DEMOLISH/DELETE	KVA	KILOVOLT AMPERES	PFR	PHASE FAILURE RELAY	XFMR-SW	TRANSFORMER SWITCH		
DB	DECIBEL	KVAR	KILOVARS	PNL	PANEL	XP	EXPLOSION PROOF		
NOTE: THIS IS A TYPICAL ABBREVIATION LIST. NOT ALL ABBREVIATIONS MAY BE USED ON THIS PROJECT.									

DESIGN CONTACTS									
ELECTRICAL ENGINEER:	RYAN BEAGLES								
ELECTRICAL TEAM LEAD:	JOE HUTCHINGS								
ELECTRICAL DESIGNER:	RICH LARSEN								

SHEET INDEX									
SHEET NUMBER	SHEET TITLE								
E0.1	ELECTRICAL COVER SHEET								
E0.2	ELECTRICAL SITE PLAN								
E0.3	SITE PHOTOMETRICS PLAN								
E6.1	ELECTRICAL SCHEDULES								
E6.2	ELECTRICAL SCHEDULES								

COMMISSIONING NOTES:

C408.3 LIGHTING SYSTEM FUNCTIONAL TESTING. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3.

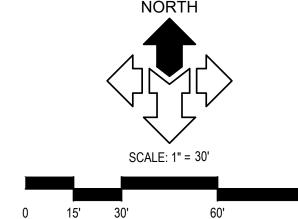
C408.3.1 FUNCTIONAL TESTING. TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PROVIDE DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF SECTION C405. WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS

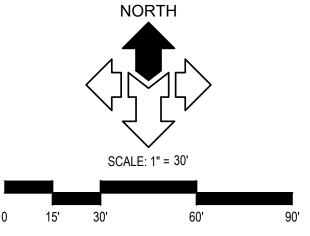
CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.

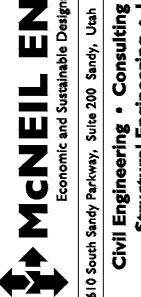
OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING

PROCEDURES SHALL BE PERFORMED:

CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.









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PROJECT NO: 24072

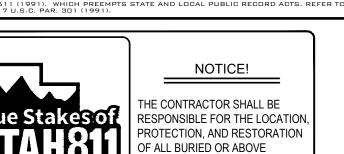
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PROP# 516922423010101

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ELECTRICAL MECHANICAL 1837 S. EAST BAY BLVD. PROVO, UTAH 84606 PHONE: 801.375.2228 FAX: 801.375.2676

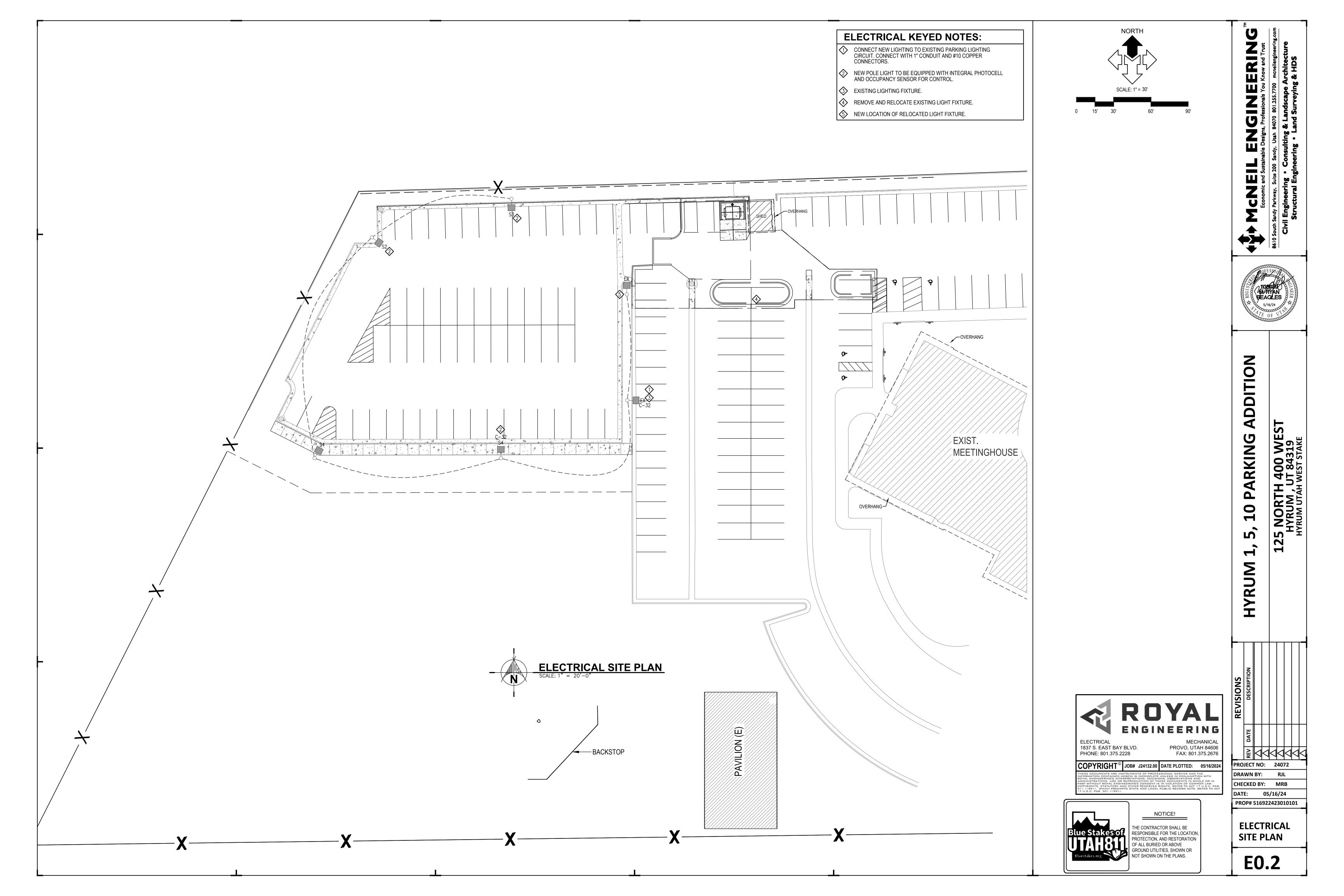
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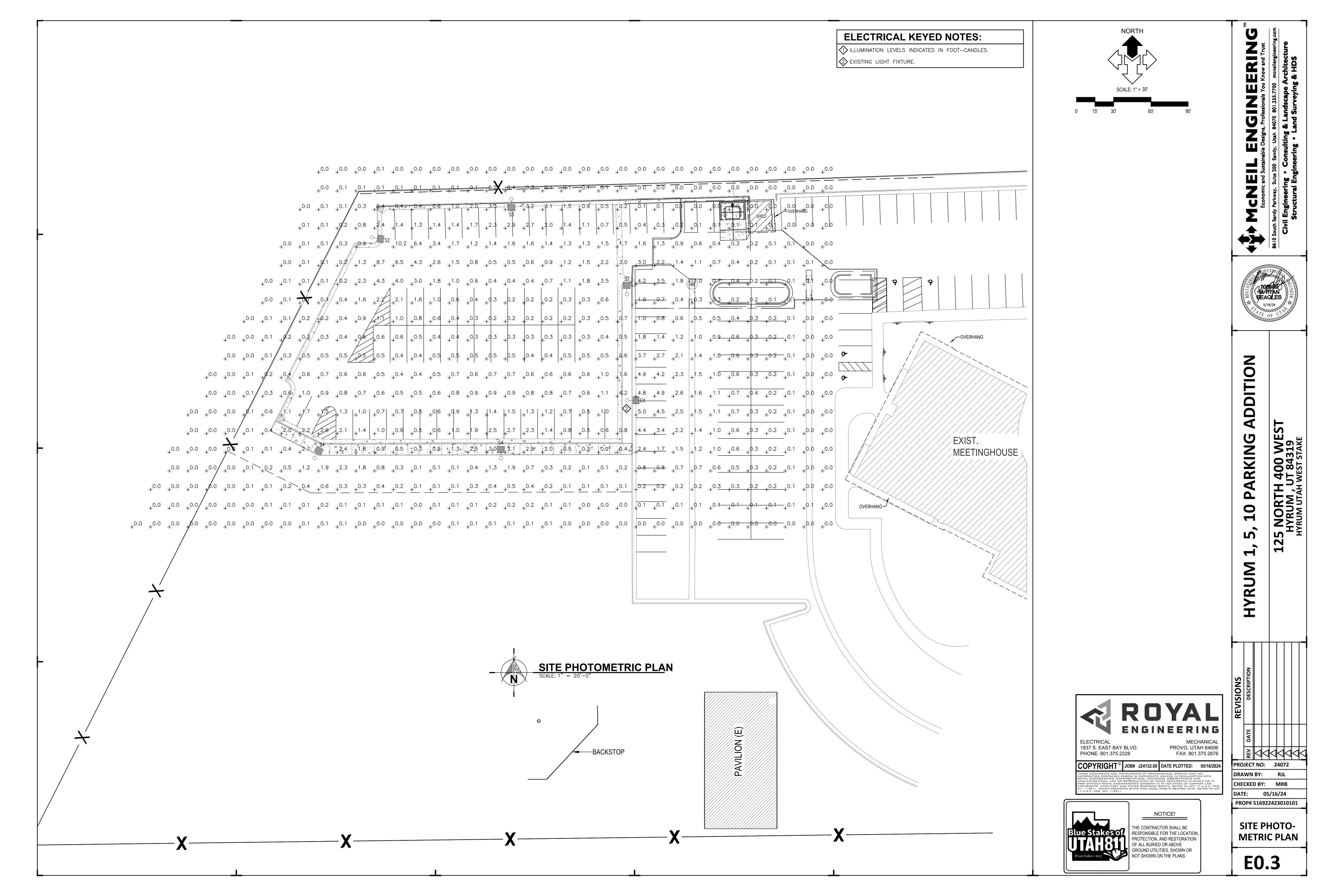


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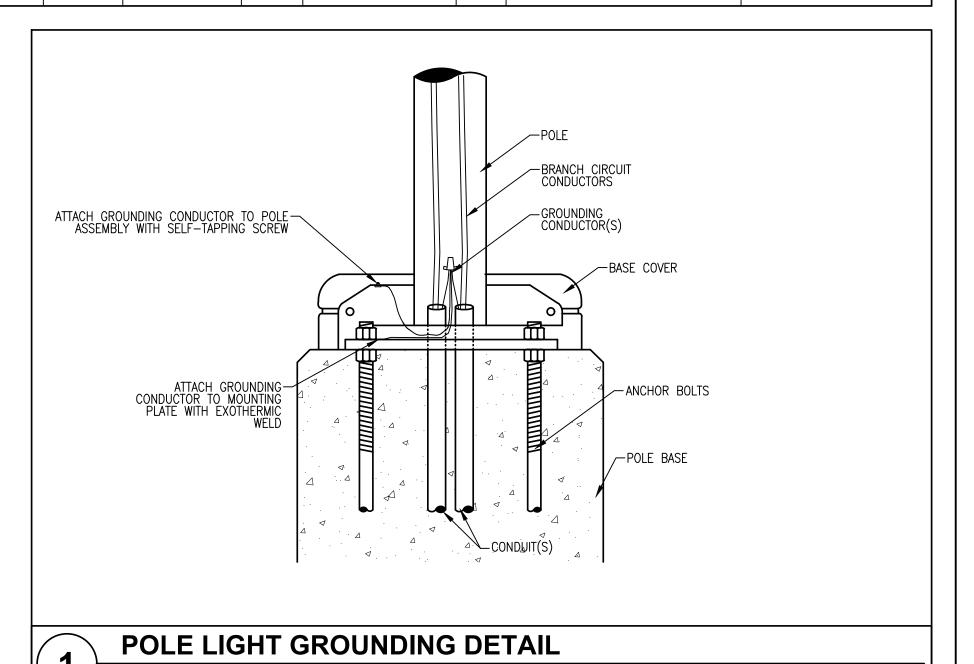
ELECTRICAL COVER SHEET GROUND UTILITIES, SHOWN OR

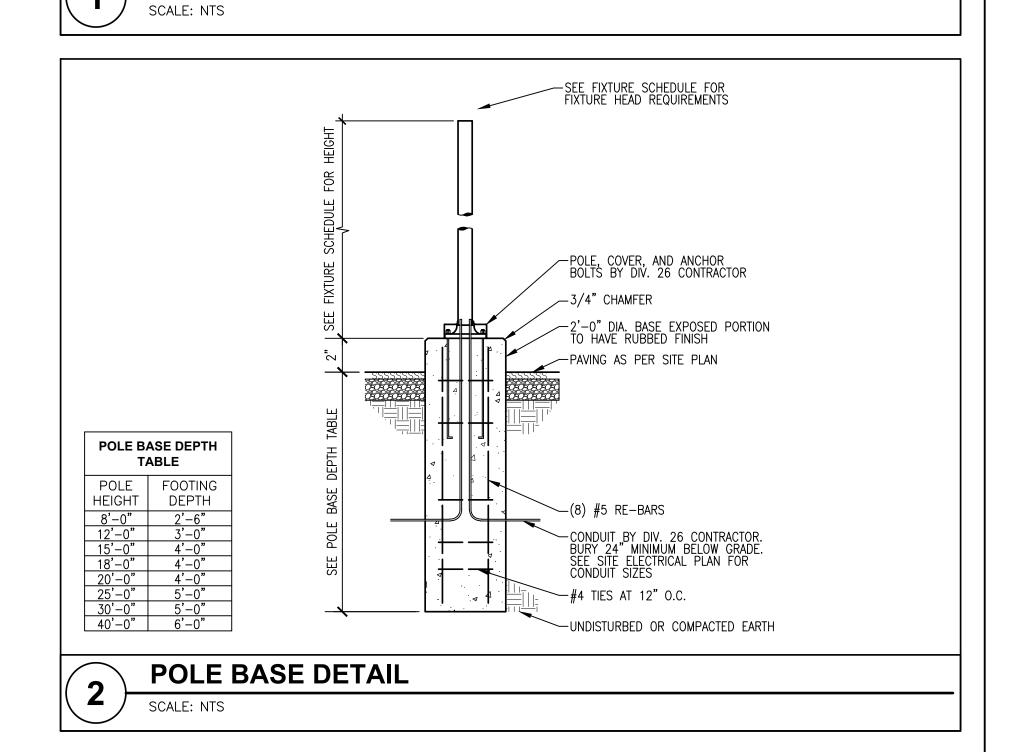
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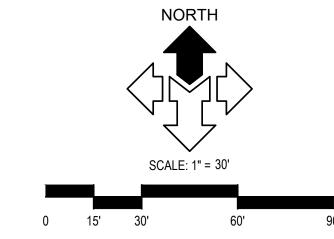


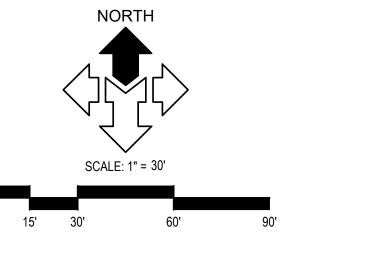


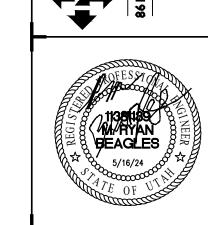
SITE LIGHTING FIXTURE SCHEDULE												
FIXT	FIXTURE									POLE	REMARKS	
#	MANUFACTURER	CATALOG #	VOLTS	#/POLE	WATTS	MOUNTING	TYPE	QTY/FIXT.	MANUFACTURER	HEIGHT	CATALOG #	REMARNS
S1	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S2	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA2D-830-U-SLR	120	1	129	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S 3	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2-HSS	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S4	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T4FT	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.





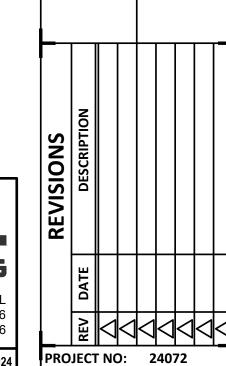




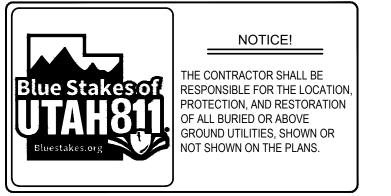


ADDITION 10 PARKING

125 NORTH 400 HYRUM , UT 84 HYRUM UTAH WEST 5 1, HYRUM



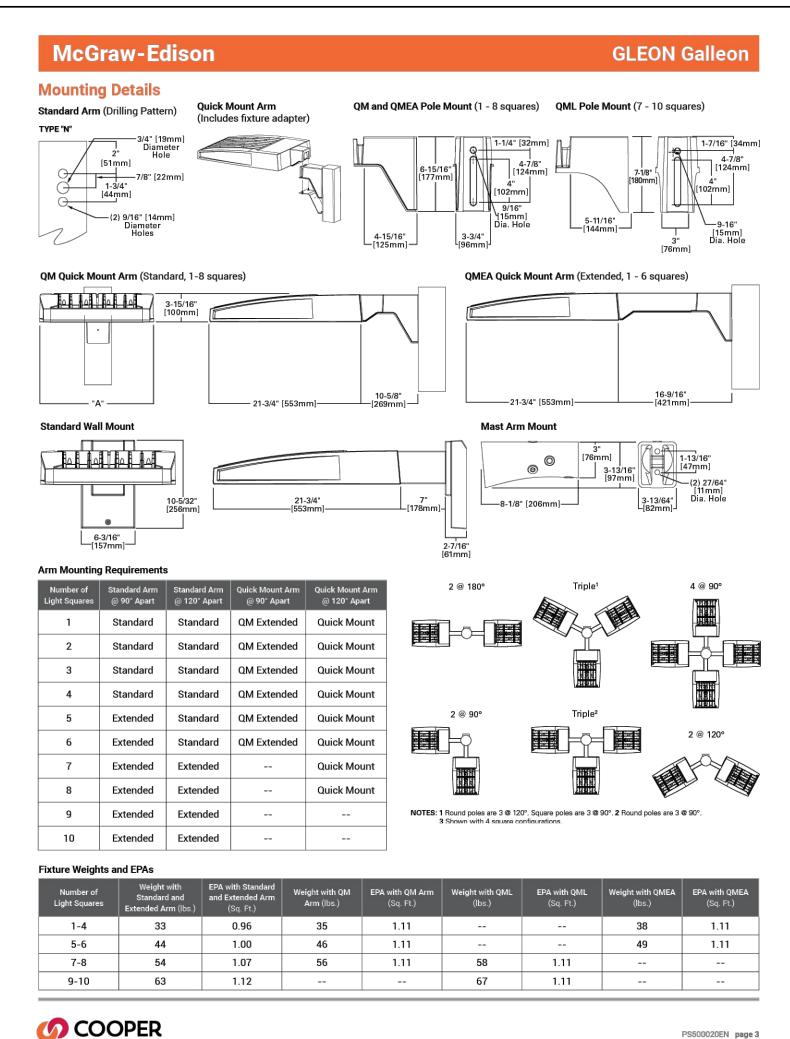
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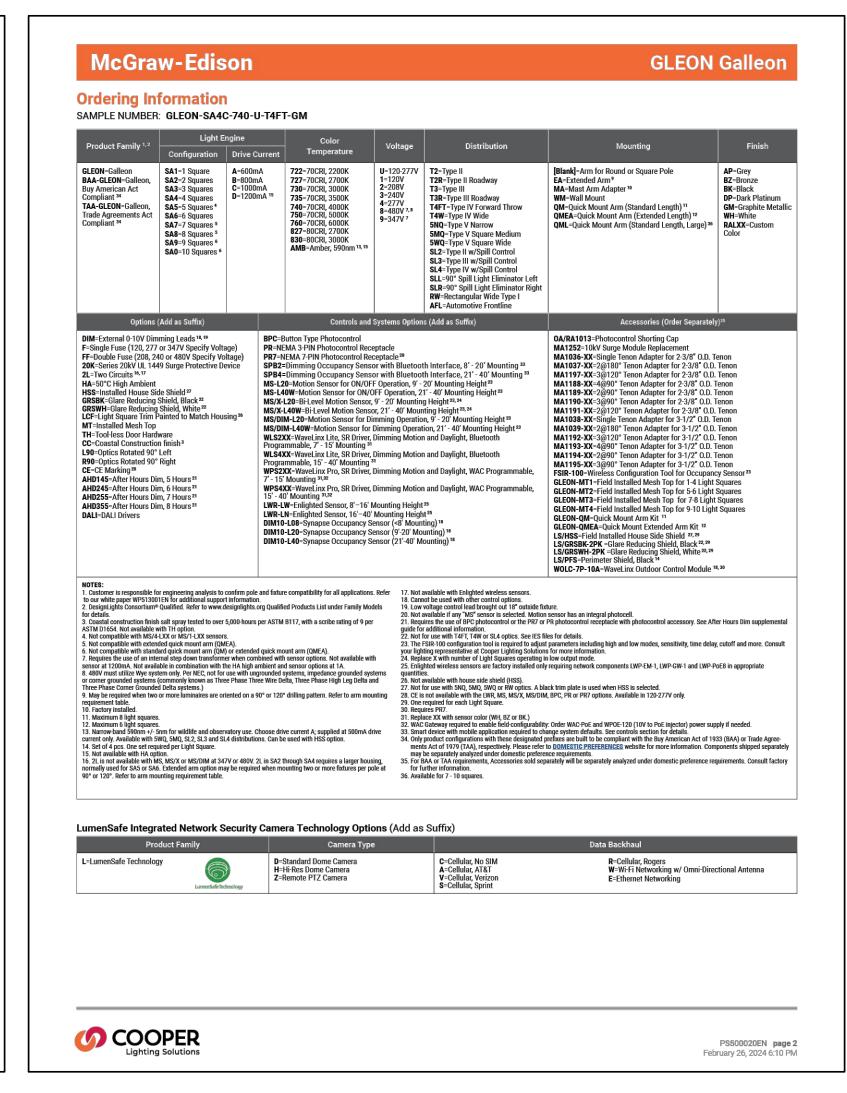


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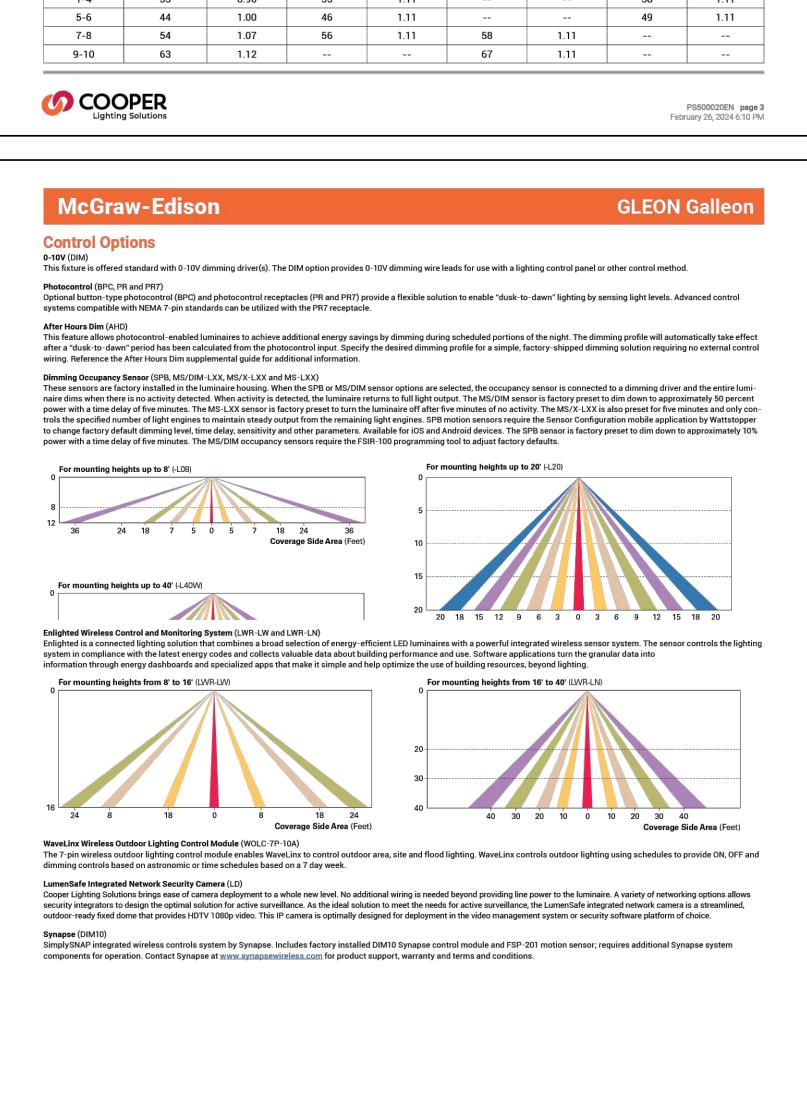
ELECTRICAL SCHEDULES

E6.1





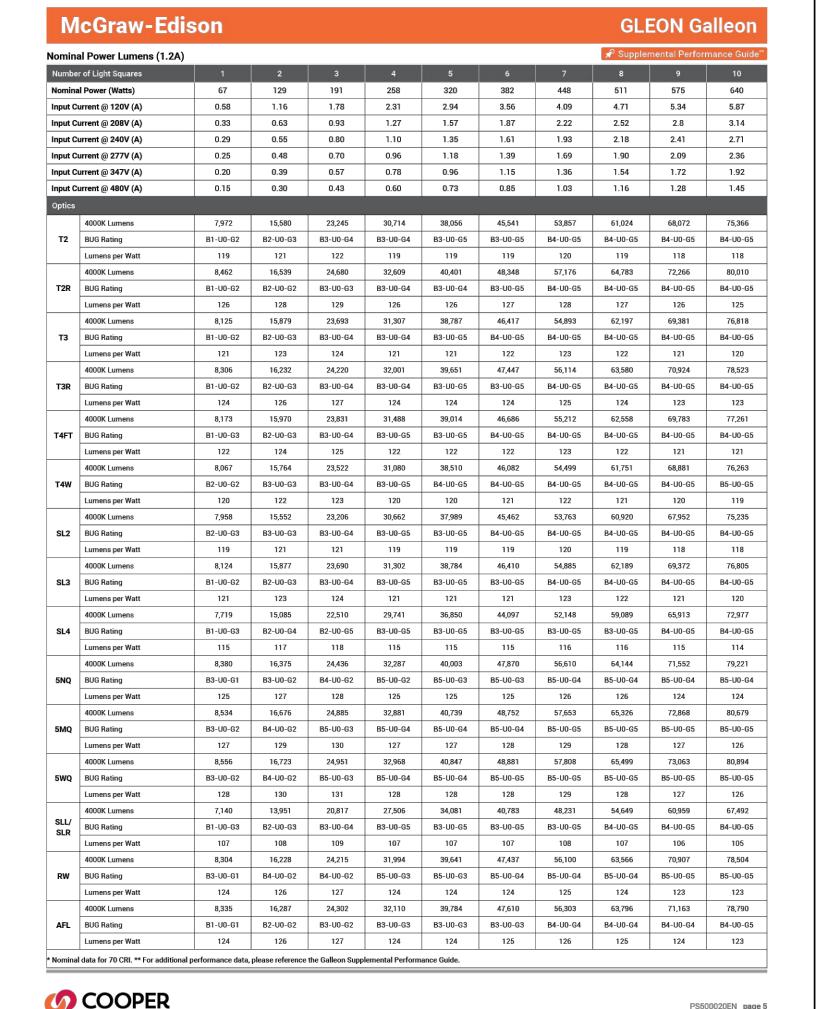




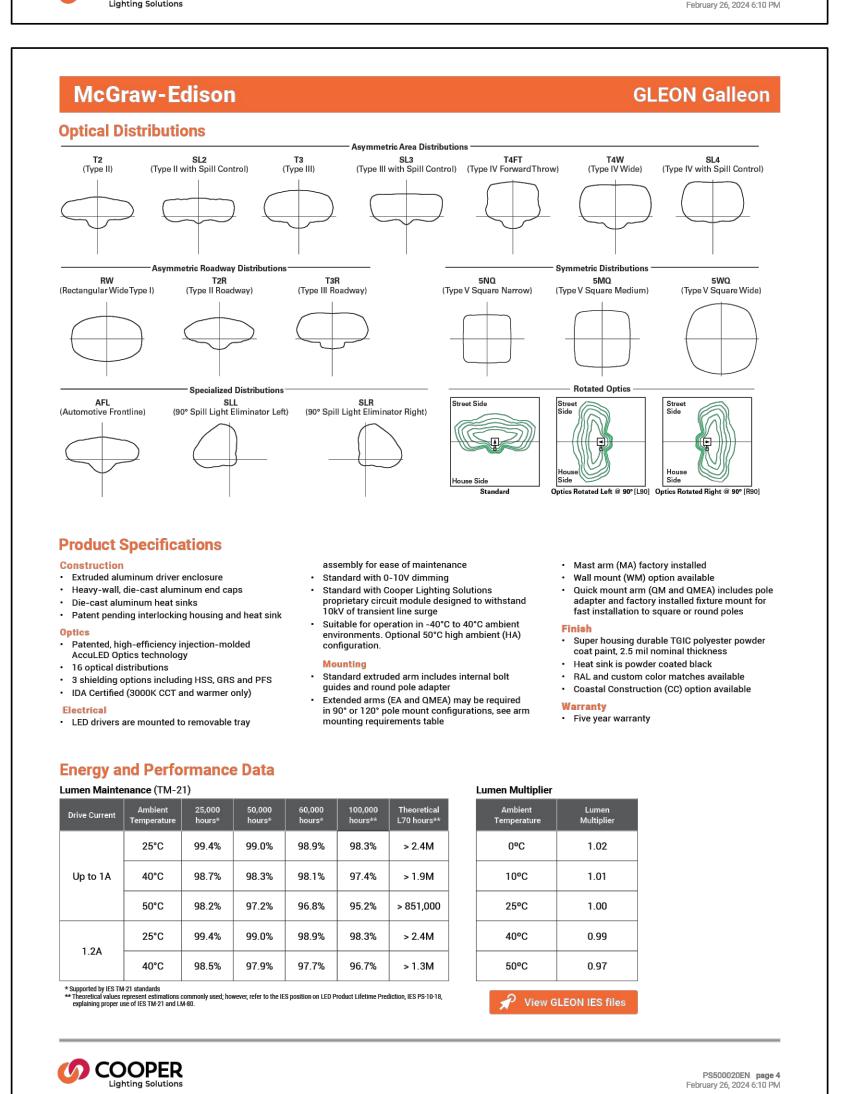
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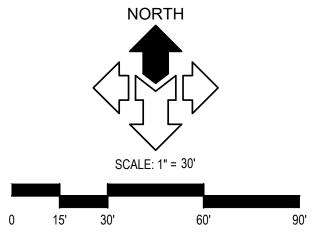
PS500020EN page 9

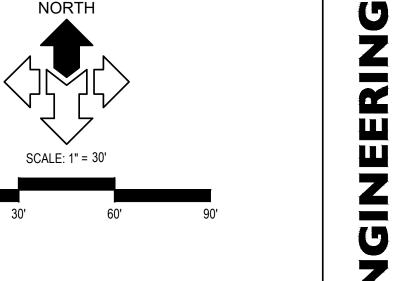
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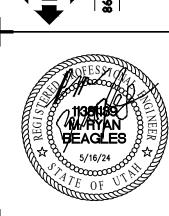


PS500020EN page 5





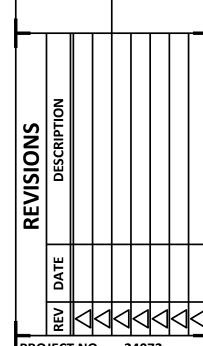




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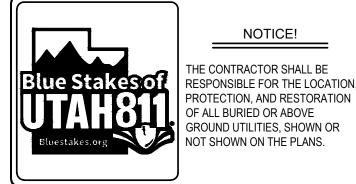
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ELECTRICAL

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ELECTRICAL SCHEDULES

E6.2

05/16/24

PROP# 516922423010101