DEVELOPMENT REVIEW COMMITTEE

Tuesday, August 27, 2024, at 10:00 AM
Council Chambers at City Hall Building and Online
110 S. Center Street, Santaquin, UT 84655

MEETINGS HELD IN PERSON & ONLINE

The public is invited to participate as outlined below:

- **In Person –** The meeting will be held in the Council Chambers on the Main Floor in the City Hall Building
- **YouTube Live –** Some public meetings will be shown live on the Santaquin City YouTube Channel, which can be found at https://bit.ly/2P7ICfQ or by searching for Santaquin City Channel on YouTube.

ADA NOTICE

If you are planning to attend this Public Meeting and due to a disability need assistance in understanding or participating in the meeting, please notify the City Office ten or more hours in advance and we will, within reason, provide what assistance may be required.

AGENDA

NEW BUSINESS

1. **Les Schwab Site Plan**

   A site plan review of a proposed tire retail store located at 98 N. 500 E.

2. **Quick Quack Car Wash Site Plan**

   A review a commercial site plan for a proposed car wash located at approximately 78 N. 500 E.

3. **Traffic Control Request**

   Review of a traffic control request for a crosswalk on the intersection of Royal Land Drive and Center Street.

MEETING MINUTES APPROVAL

4. **August 13, 2024**

ADJOURNMENT

CERTIFICATE OF MAILING/POSTING

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda may be found at www.santaquin.org, in three physical locations (Santaquin City Hall, Zions Bank, Santaquin Post Office), and on the State of Utah's Public Notice Website, https://www.utah.gov/pmn/index.html. A copy of the notice may also be requested by calling (801)754-1904.

BY: _____
Amalie R. Ottley, City Recorder

LES SCHWAB TIRE CENTER
CONSTRUCTION PLANS
98 N 500 E MAIN STREET
SANTAQUIN, UTAH COUNTY, UTAH

Cushing Terrell.
cushingterrell.com
800.757.9522

Tires LES SCHWAB

DEVELOPER/OWNER CONTACT

OWNER/DEVELOPER
SFP-E, LLC
GEORGE BUNTING
PO BOX 5350
20900 COOLEY RD.
BEND, OR 97701

UTILITY COMPANY

SANITARY SEWER
JON LUNDELL
CITY OF SANTAQUIN
(801) 754-1974

GAS
DAVE CHRISTENSEN
DOMINION ENGERGY
(801) 853-6586

WATER
JON LUNDELL
CITY OF SANTAQUIN
(801) 754-1974

POWER
ROCKY MOUNTAIN POWER
(888) 221-7070

PHONE/CABLE
CENTURYLINK
(801) 974-8130

LEGAL DESCRIPTION

LOT 10 OF RIDLEY'S SUBDIVISION, PLAT C, BEING A PART OF PARCEL A, RIDLEY'S SUBDIVISION RECORDED AS ENTRY NO. 111268:2020 AND AS MAP NO. 17189, OFFICIAL RECORDS OF UTAH COUNTY, BEING A PART OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 10 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN, U.S. SURVEY IN SANTAQUIN, UTAH COUNTY, UTAH

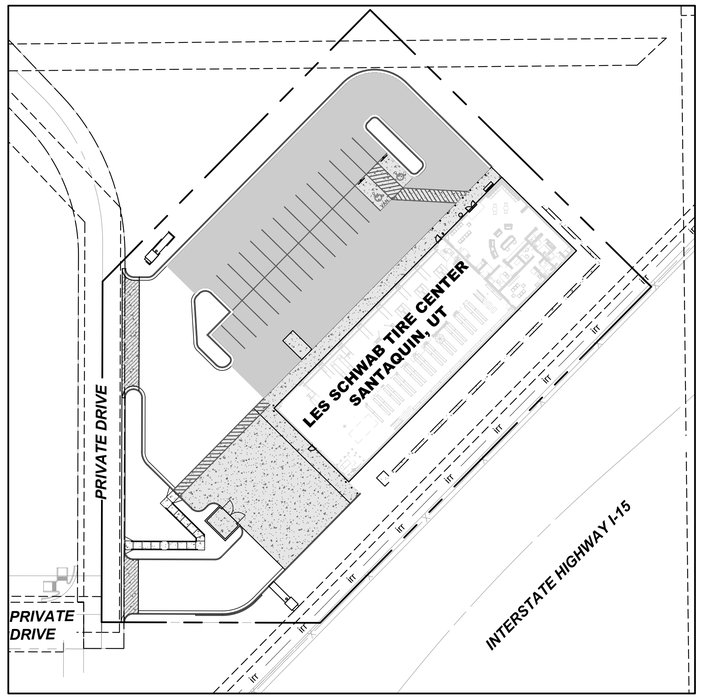
BASIS OF BEARINGS

BASIS OF BEARING IS: A LINE BETWEEN MONUMENTS FOUND FOR NORTH QUARTER CORNER AND THE NORTHEAST CORNER OF SECTION 1 WAS ASSIGNED THE UCS BEARING OF NORTH 89°42'20" EAST.

PROJECT ZONING

ZONING C-1: GENERAL COMMERCIAL

VICINITY MAP



SITE MAP
1" = 40'
NORTH

CIVIL SHEET INDEX	
Sheet Number	Sheet Title
C000	COVER SHEET
SHEET 1 OF 2	11277-0003-ALTA
SHEET 2 OF 2	11277-0003-ALTA
C001	GENERAL NOTES SHEET
C002	DEMOLITION PLAN
C010	INITIAL ESCP
C011	INTERMEDIATE/FINAL ESCP
C012	EROSION AND SEDIMENT CONTROL DETAILS
C100	SITE PLAN
C200	GRADING AND DRAINAGE PLAN
C300	OVERALL UTILITY PLAN
C400	CIVIL DETAILS
C401	CIVIL DETAILS
C402	CIVIL DETAILS

ARCHITECT
CUSHING TERRELL
CORY NELSON
800 W MAIN ST. STE 800
BOISE, ID 83702
(208) 336-4900

CIVIL ENGINEER
CUSHING TERRELL
ADAM SCHLEGEL, PE
411 E MAIN STREET SUITE 101
BOZEMAN, MT 59715
(406) 922-7111

ELECTRICAL ENGINEER
CUSHING TERRELL
MIKE BEGLINGER, PE
800 W MAIN ST. STE 800
BOISE, ID 83702
(208) 577-5618

LANDSCAPE ARCHITECT
CUSHING TERRELL
ANGELA HANSEN
800 W MAIN ST. STE 800
BOISE, ID 83702
(208) 577-5618

GEOTECHNICAL ENGINEER
GORDON GEOTECHNICAL, INC
4426 SOUTH CENTURY DRIVE
SUITE 100
SALT LAKE CITY, UT 84123
(801) 327-9600

LES SCHWAB TIRE CENTER - SANTAQUIN, UT
98 N 500 E MAIN STREET
SANTAQUIN, UT 84655

PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
08/04/2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
REVISIONS
-

811 Know what's below. Call before you dig.

COVER SHEET

C000

Title Information

This survey was completed using Title Report File No. NCS-1188261-OR1 Revision No. 1 dated November 1, 2023 from First American Title Insurance Company National Commercial Services:

The following survey related items circled (Solid) from Schedule B - Part II of the title report are plotted on the survey:

The following survey related items circled (Dashed) from Schedule B - Part II of the title report blanket all or a portion of this site but contain nothing to plot:

The following survey related items not circled from Schedule B - Part II of the title report could not be plotted:

10 An easement over, across or through the Land for telephone and telegraph and incidental purposes, to The Mountain States Telephone and Telegraph Co recorded January 08, 1929 as Entry No. 191 in Book 269 at Page 466 of Official Records affects the Northeasterly portion of Parcel A of Ridley's Subdivision Plat A and does not affect this site

11 An easement over, across or through the Land for telephone and telegraph and incidental purposes, to The Mountain States Telephone and Telegraph Co recorded January 08, 1929 as Entry No. 192 in Book 269 at Page 466 of Official Records affects the Easterly portion of Parcel A of Ridley's Subdivision Plat A and does not affect this site.

(12) 15' wide Easement to Summit Creek Irrigation Company for the purpose of constructing an irrigation facility and appurtenant parts thereof as recorded September 21, 1964 as Entry No. 14235 in Book 985 at Page 540 of Official Records.

(13) A 15' wide easement for irrigation ditch as disclosed by Warranty Deed recorded October 13, 1981 as Entry No. 29732 in Book 1942 at Page 722 of Official Records.

(17) A Resolution 10-04-2019 approving a Development Agreement with CJM Limited Liability Limited Partnership regarding the Orchard Lane Commercial Development Area recorded October 07, 2019 as Entry No. 101935:2019 of Official Records. Blankets this site along with more land, contains nothing to plot.

(21) Easements, notes and restrictions as shown on subdivision plat recorded July 31, 2020 as Entry No. 111268:2020 in Book 51 of Plats at Page 649.

(22) An easement over, across or through the Land for irrigation utilities and incidental purposes, as granted to East Santaquin Irrigation Company, its successors and assigns by Instrument recorded April 29, 2022 as Entry No. 53856:2022 of Official Records.

(24) A 20' wide waterline easement to Santaquin City recorded April 29, 2022 as Entry No. 53858:2022 of Official Records plots Westerly and Northwesterly off site providing City Utilities to this site.

(25) A 20' wide waterline easement to Santaquin City recorded April 29, 2022 as Entry No. 53859:2022 of Official Records describes the same easement disclosed in Exception No. 24 listed above.

(33) A 20' wide sewer easement to Santaquin City recorded September 14, 2023 as Entry No. 60589:2023 of Official Records plots Northwesterly off site and provides City Utilities to this site.

(34) A Temporary Cross-Access & Drainage Easement Grant recorded September 14, 2023 as Entry No. 60590:2023 of Official Records, will terminate upon recordation of the CC&Rs.

(35) A 20' wide waterline easement to Santaquin City recorded September 14, 2023 as Entry No. 60591:2023 of Official Records.

(36) Easements, notes and restrictions as shown on Ridley's Subdivision, Plat C subdivision plat recorded October 30, 2023 as Entry No. 71073:2023.

* Exception No.'s 1-9 and 27-32 are general and/or standard exceptions and do not reveal matters of survey.

** Exception No.'s 14-16, 18-20, 23 and 26 have been intentionally deleted by the Title Company.

Notes

According to ALTA standards, the surveyor cannot certify a survey based upon an interpretation. The surveyor is not authorized to interpret zoning codes, nor can the surveyor determine whether certain improvements are burdening or actually benefiting the property.

Pertaining to ALTA Table A Item No. 6: No zoning report or letter was supplied for review, information provided was found on the Santaquin City Zoning Website.

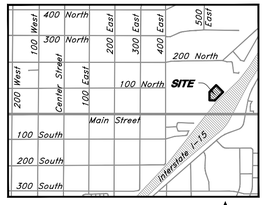
Pertaining to ALTA Table A Item No. 8: There were no observed areas of substantial refuse on the site.

Pertaining to ALTA Table A Item No. 11(a): The location and/or elevation of existing utilities shown on these plans are based on records of the various utility companies, design plans, and where possible measurements taken in the field. No underground explorations were performed. According to Bluestakes of Utah the following companies have Utilities in the area: Centracom Interactive, Lumen/Centurylink, Nephi City, Dominion Energy, Rocky Mountain Power, Santaquin City, UDOT, and Utopia Fiber. The Surveyor has requested maps and received no response from Santaquin City.

Pertaining to ALTA Table A Item No. 11(b): The client did not opt for private utility location services and no 811 utility locate request was made prior to the site visit.

Pertaining to ALTA Table A Item No. 12: The client did not specify any Governmental Agency Survey related requirements.

Pertaining to ALTA Table A Item No. 14: The Southwest Corner of this site is located approximately 315 feet North along 400 East Street to an access drive and 1029 feet East along said access drive from the intersection of 400 East Street and Main Street. Said Southwest Corner is also located approximately 475 feet East from the intersection of 500 East Street and said access Drive.



Vicinity Map

Not to Scale

Flood Plain Data

This property lies entirely within Flood Zone X as designated on FEMA Flood Insurance Rate Map for Utah County, Utah and Incorporated Areas Map Number 49049C0975F within unmapped area 490227 (Santaquin City) dated 19 June, 2020. Flood Zone X is defined as "Areas determined to be outside the 0.2% annual chance floodplain."

Zoning Information

Zone	=	C1 (General Commercial)
Building Setback Requirements		
Front yard	=	10'
Back yard	=	10' (15' against residential)
Side yard	=	10' (15' against residential)
		10' (street)
Height Restrictions	=	48'
Permitted uses	=	Santaquin City Code Article F 10-7F-3 Permitted Uses

Benchmark

Brass Cap Monument for the North Quarter Corner of Section 1, T10S, R1E, SLB&M
Assigned Elevation = 4876.80 feet

Narrative

This Survey was requested by Les Schwab prerequisite to the development of this property.

This Survey retraces and honors the underlying 2023 Ridleys Subdivision, Plat C.

A line between monuments found for North Quarter Corner and the Northeast Corner of Section 1 was assigned the UCS bearing of North 89°42'20" East as the Basis of Bearings.

Property Corners will be set with the forthcoming development of Plat C.

Description

Lot 10, Ridley's Subdivision, Plat C, according to the Official Plat thereof on file and of record in the Utah County Recorder's Office.

Certification

To Les Schwab Tire Centers, SFP-E, LLC, an Oregon limited liability company, CJM Limited Liability Limited Partnership, an Idaho Limited Partnership, formerly known as CJM Limited Partnership and First American Title Insurance Company National Commercial Services:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)(1), 7(b)(2), 8, 9, 11(a), 11(b), 12, 13, 14 and 19 of Table A thereof. The field work was completed on 9 June, 2021.

Date: 6 Dec, 2023

PROFESSIONAL LAND SURVEYOR 12966234 David M. Hamilton STATE OF UTAH

David M. Hamilton
Utah PLS No. 12966234

REV	DATE	DESCRIPTION

Designed by: DH
Drafted by: TC
Client Name:
Les Schwab

22-192as

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

ALTA / NSPS Land Title Survey

Les Schwab Santaquin

98 North 500 East
Santaquin City, Utah County, Utah

A Part of the Northeast Quarter of Section 1, T10S, R1E, SLB&M, U.S. Survey

4 Dec, 2023

SHEET NO.
1
of 2

Basis of Bearings
N 89°42'20" E UCS

2654.61' measured

36 31
1 6

Northeast Corner Section 1,
T10S, R1E, SLB&M, U.S. Survey
(Found Brass Cap Monument)

North Quarter Corner Section 1,
T10S, R1E, SLB&M, U.S. Survey
(Found Brass Cap Monument)
Benchmark Elevation = 4876.80 feet

Ridley's Subdivision
Remainder Parcel A
CJM Limited Liability Limited Partnership
51:649:0009

Lot 10
64,225 sq. ft.
or 1.474 acre

(17) No Buildings or Improved Parking Stalls

213.10'
S 45°25'49" E
220.58'
N 44°34'11" E
190.50'
265.70'
S 44°34'11" W
122.19'
N 89°49'57" W
N 0°10'03" E
1005.42'
S 89°49'57" E
2423.25'
(S 0°30'42" E rec.)
S 0°30'50" E 5300.15' Mon. to Mon.

(13) 15' wide Irrigation Easement
(33) 20' wide Sewer Easement
(34) Temporary Cross-Access and Drainage Easement (to be superseded by recording of CC&R's)
(35) 20' wide Waterline Easement
(36) 26' wide Temporary Cross-Access per Plat B (to be superseded by recording of CC&R's)
(22) 15' wide Irrigation Easement
(21) 10' PU&DE
(12) 15' wide Irrigation Easement
(24) (25) 20' wide Waterline Easement

Lot Lines Match
Point of Beginning

Overhead Cable Line
Fence is 1.0' Southeasterly from Property Line

CJM Limited Liability Limited Partnership
51:761:0011
Ridley's Subdivision, Plat C
Lot 11

CJM Limited Liability Limited Partnership
51:717:0009
Ridley's Subdivision, Plat B
Lot 9

East 400 (Public Street)

Interstate - 15 Off - ramp
(Paved Public Highway)

South Quarter Corner Section 1,
T10S, R1E, SLB&M, U.S. Survey
(Found Brass Cap Monument)

Scale: 1" = 20'
20' 0 20' 40'

Legend
- Property Line
- Easement Line
- Adjoiner Line
- Overhead Power
- Telephone Line
- Fence Line
- Section Line
- Fiber Optic Line
- Section Corner
- Catch Basin
- Power Pole
- Sign
- Asphalt
- Concrete
- Contour

REV	DATE	DESCRIPTION

Designed by: DH
Drafted by: TC
Client Name:
Les Schwab

22-192as

ANA
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 AWAengineering.net

ALTA / NSPS Land Title Survey

Les Schwab Santaquin
98 North 500 East
Santaquin City, Utah County, Utah
A Part of the Northeast Quarter of Section 1, T10S, R1E, SLB&M, U.S. Survey

PROFESSIONAL LAND SURVEYOR
12966234
David M. Hamilton
STATE OF UTAH
6 Dec, 2023

4 Dec, 2023

SHEET NO.
2
of 2

ABBREVIATIONS

@	AT	LT	LEFT
AB	ABANDONED	MEG	MATCH EXISTING GRADE
AHJ	AUTHORITIES HAVING JURISDICTION	MH	MANHOLE
APPROX	APPROXIMATE	MTR	METER
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	NTS	NOT TO SCALE
BC	BACK OF CURB	OC	ON CENTER
BCR	BACK OF CURB RADIUS	OH, OHP	OVERHEAD, OVERHEAD POWER
BM	BENCHMARK	OHU	OVERHEAD UTILITIES
BOT	BOTTOM	PB	PULL BOX
BP	BURIED POWER	PC	POINT OF CURVATURE
BT	BURIED TELEPHONE	PIP	PROTECT IN PLACE
BW	BOTTOM OF WALL	℄, PL	PROPERTY LINE
C&G	CURB & GUTTER	PP	POWER POLE
CATV, TV	CABLE TELEVISION	PRC	POINT OF REVERSE CURVE
CI	CAST IRON	PT	POINT OF TANGENCY
CIPP	CURED IN PLACE PIPE	PVC	POLYVINYL CHLORIDE PIPE
℄, CL	CENTERLINE	RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	RIM	RIM OF MANHOLE LID OR GRATE
CO	CLEANOUT	ROW	RIGHT OF WAY
D, DIA	DIAMETER	SF	SQUARE FOOT, SQUARE FEET
DG	DECOMPOSED GRANITE	SP	SPECIAL PROVISIONS
DI	DUCTILE IRON	SS	SANITARY SEWER
DIP	DUCTILE IRON PIPE	SSMH	SANITARY SEWER MANHOLE
DOM	DOMESTIC WATER	ST	STORM DRAIN
DW	DRIVEWAY	STA	STATION
DWG	DRAWING	STCB	STORM CATCH BASIN
EG	EXISTING GRADE	STCI	STORM CURB INLET
ELEC, E	ELECTRIC	STD	STANDARD
EL, ELEV	ELEVATION	STMH	STORM MANHOLE
EOP, EP	EDGE OF PAVEMENT	STYD	STORM YARD DRAIN
ESCP	EROSION AND SEDIMENT CONTROL PLAN	SW	SIDEWALK
EX	EXISTING	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
FC	FACE OF CURB	SY	SQUARE YARD
FG	FINISHED GRADE	T, TEL	TELEPHONE
FH, HYD	FIRE HYDRANT	TA	TOP OF ASPHALT
FL	FLOW LINE	TBC	TOP BACK OF CURB
FT	FOOT, FEET	TC	TOP OF CONCRETE
G	GAS	TEMP	TEMPORARY
GM	GAS METER	TRANS	TRANSITION
GV	GAS VALVE	TW	TOP OF WALL
GW	GUY WIRE	TYP	TYPICAL
HP	HIGH PRESSURE	VCP	VITRIFIED CLAY PIPE
IE	INVERT ELEVATION	WM	WATER MAIN
INT	INTERSECTION	WV	WATER VALVE
IRR	IRRIGATION	W/	WITH
L	LENGTH	Δ	DELTA
LF	LINEAL FOOT, LINEAR FEET		
LS	LANDSCAPING		

LEGEND

EXISTING	PROPOSED	
		ASPHALT
		CONCRETE
		HEAVY DUTY CONCRETE
		REINFORCED CONCRETE
		GRAVEL
		LANDSCAPE
		LANDSCAPE
wm	WM	WATER MAIN
	F F	FIRE SERVICE
	WS WS	DOMESTIC WATER SERVICE
st	ST	STORM DRAIN
ss	SS	SANITARY SEWER
bp	BP BP	BURIED POWER
oh	OHP OHP	OVERHEAD POWER
bt	BT BT	BURIED TELEPHONE
gas	GAS GAS	BURIED GAS
fo	FO FO	BURIED FIBER OPTIC
		FENCE - CHAINLINK
		FENCE - WOODEN
X	X	FENCE - BARBED WIRE
		BUILDING
		BUILDING ROOF OVERHANG
		VERTICAL CURB
		CURB AND GUTTER
		CURB AND GUTTER - CATCH
		CURB AND GUTTER - SPILL
		VEGETATION EXTENTS
		PROPERTY LINE - SUBJECT
		PROPERTY LINE - ADJACENT
		EASEMENT
△1		CONTROL POINT
●6		FOUND PROPERTY CORNER AS NOTED
1		FIRE HYDRANT/ CONTROL POINT HYDRANT
		WATER VALVE
		WATER SHUTOFF
W	W	WATER WELL
D	D	STORM DRAIN MANHOLE
		STORM DRAIN INLET STRUCTURE
		STORM DRAIN CURB INLET
		STORM DRAIN OUTLET STRUCTURE
		STORM DRAIN ROOF DOWNSPOUT
CO	CO	STORM DRAIN CLEANOUT
S	S	SANITARY SEWER MANHOLE
CO	CO	SANITARY SEWER CLEANOUT
		UTILITY POLE
		GUY WIRE
		LIGHT POLE (ONE LIGHT AND DIRECTION)
		LIGHT POLE
		TRANSFORMER
P	P	POWER METER OR POWER HANDHOLE
G	G	GAS METER
T	T	TELEPHONE PEDESTAL
I	I	IRRIGATION CONTROL VALVE
		POLE SIGN AND DOUBLE POLE SIGN
○	•	BOLLARD (OR AS NOTED)
	#	PARKING STALL COUNT
		DECIDUOUS TREE
		CONIFEROUS TREE
		BUSH

NOTE: ALL EXISTING LAYERS SUBJECT TO DEMOLITION TO BE SHOWN DARKER THAN INDICATED IN THIS LEGEND.

GENERAL NOTES

1. ALL WORK, MATERIALS AND DETAILS PERTAINING TO CONSTRUCTION SHALL BE IN COMPLETE ACCORDANCE WITH THE CITY OF SANTAQUIN STANDARDS AND DETAILS. PROJECT SPECIFICATIONS, AND ALL OTHER GOVERNING AGENCIES' STANDARDS. REFER TO THE PROJECT SPECIFICATIONS FOR COMPLETE WORK COVERAGE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR STORM WATER QUALITY DURING CONSTRUCTION. CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL CURRENT REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), AND LOCAL MS4 REQUIREMENTS WHERE APPLICABLE. THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION AND MAINTENANCE OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THROUGHOUT THE DURATION OF THE PROJECT.
3. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES, PUBLIC AND PRIVATE, AT ALL TIMES DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL CONTROL DUST IN ACCORDANCE WITH REGULATIONS OF LOCAL AIR POLLUTION CONTROL AUTHORITY.
5. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, SIGNS AND EXISTING STRUCTURES. THE CONTRACTOR IS RESPONSIBLE TO REPAIR BACK TO ORIGINAL OR BETTER CONDITION IF DAMAGE HAS OCCURRED DURING CONSTRUCTION.
6. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND COORDINATE WITH OWNER, CITY OF SANTAQUIN, AND ENGINEER / ARCHITECT PRIOR TO DEMOLITION ACTIVITIES.
7. TRAFFIC, BOTH VEHICULAR AND PEDESTRIAN SHALL BE PROTECTED BY EFFECTIVE BARRICADES AND SIGNS IN ACCORDANCE WITH CITY OF SANTAQUIN GUIDANCE. EFFECTIVE LIGHTING OF OBSTRUCTIONS SHALL BE PROVIDED AT NIGHT.
8. OWNER WILL SECURE ALL NECESSARY UTILITY PERMITS REQUIRED FOR THE COMPLETION OF THE PROJECT. CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH PERMIT REQUIREMENTS.
9. UNLESS OTHERWISE INDICATED, ALL CONSTRUCTION STAKING SHALL BE PERFORMED UNDER THE RESPONSIBLE CHARGE OF A UTAH LICENSED LAND SURVEYOR.
10. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES. ANY APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS SHALL BE NOTED ON THIS SET. THE LOCATION AND DEPTH OF ALL UTILITIES ENCOUNTERED SHALL BE RECORDED AND KEPT UP TO DATE AT ALL TIMES AND AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST. FAILURE TO COMPLY MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
11. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. *(Only if required in contract with owner)*
12. IF WITHIN ONE YEAR OF THE FINAL ACCEPTANCE BY THE OWNER, ANY WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND/OR DRAWINGS, AND UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER, THE CONTRACTOR SHALL CORRECT ANY WORK BEGINNING WITHIN SEVEN (7) CALENDAR DAYS OF RECEIPT OF NOTICE. SHOULD THE CONTRACTOR FAIL TO RESPOND TO THE WRITTEN NOTICE, THE OWNER MAY CORRECT THE WORK AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING AND/OR EXPORTING ALL MATERIAL AS REQUIRED TO PROPERLY GRADE THIS SITE TO THE FINISHED ELEVATIONS SHOWN HEREON AS WELL AS THE LEGAL DISPOSAL OF WASTE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
14. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL SITE WORK WITH ALL OTHER TRADES.
15. SAFETY - NEITHER THE OWNER NOR THE ENGINEER WILL BE RESPONSIBLE FOR COMPLIANCE WITH SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
16. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
17. THE CONTRACTOR IS RESPONSIBLE TO CALL 1-800-424-5555 (OR 811) AT LEAST 2 WORKING DAYS PRIOR TO ANY EARTH DISTURBING ACTIVITIES OR UTILITY EXCAVATIONS.

SHOP AND FABRICATION NOTES

1. THE CONTRACTOR SHALL PREPARE AND SUBMIT FABRICATION DRAWINGS, DESIGN MIX INFORMATION, MATERIAL TESTING COMPLIANCE DATA, AND ANY OTHER PERTINENT DATA TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF MATERIALS. FOLLOWING REVIEW, THE CONTRACTOR SHALL RESUBMIT COPIES OF ANY DRAWINGS WHICH REQUIRE REVISION OR CORRECTIONS.
2. ANY REVIEW BY THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FOR RESPONSIBILITY FOR ERRORS OR OMISSIONS, OR SCHEDULE REQUIREMENTS. THE CONTRACTOR SHALL REMAIN SOLELY RESPONSIBLE FOR FULL AND COMPLETE PERFORMANCE IN ACCORDANCE WITH THE TERMS, CONDITIONS, PROVISIONS, DRAWINGS, AND SPECIFICATIONS.

ACCESS NOTES

1. CONTRACTOR SHALL COORDINATE ACCESS, STAGING AND STOCKPILE LOCATIONS WITH OWNER.
2. CONTRACTOR SHALL RESTORE DISTURBED AREAS TO PRE-CONSTRUCTION OR BETTER CONDITIONS.

EXISTING UTILITY NOTES

1. EXISTING UNDERGROUND INSTALLATIONS AND PUBLIC UTILITIES SHOWN ARE INDICATED ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER AND DEPICTED ON THESE PLANS TO A LEVEL OF QUALITY IN ACCORDANCE WITH ASCE 38-02.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING AND VERIFYING MATERIAL TYPES OF ALL EXISTING UTILITY INSTALLATIONS ABOVE AND BELOW GROUND IN ADVANCE OF THE PROJECT BY CONTACTING THEIR RESPECTIVE OWNERS. ALL COSTS RELATED TO LOCATING EXISTING UTILITIES ARE INCIDENTAL AND SHALL NOT BE PAID SEPARATELY. NOT ALL UTILITIES ARE IDENTIFIED ON THE PLANS. NOTIFY ENGINEER OF POTENTIAL CONFLICTS.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF SANTAQUIN A MINIMUM OF 5 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION.

GEOTECHNICAL REPORT

1. ALL GEOTECHNICAL RECOMMENDATIONS ARE TAKEN FROM THE REPORT TITLED "GEOTECHNICAL STUDY PROPOSED LES SCHWAB TIRE CENTER, APPROXIMATELY 500 EAST MAIN STREET, SANTAQUIN, UTAH" BY GORDON GEOTECHNICAL ENGINEERING, INC. DATED 12/14/2022.
2. ALL REFERENCES MADE TO THE GEOTECHNICAL REPORT IN THIS PLAN SET SHALL CONSULT THE AFOREMENTIONED REPORT.

Know what's **below.** **Call** before you dig.

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SANTAQUIN, UT 84655

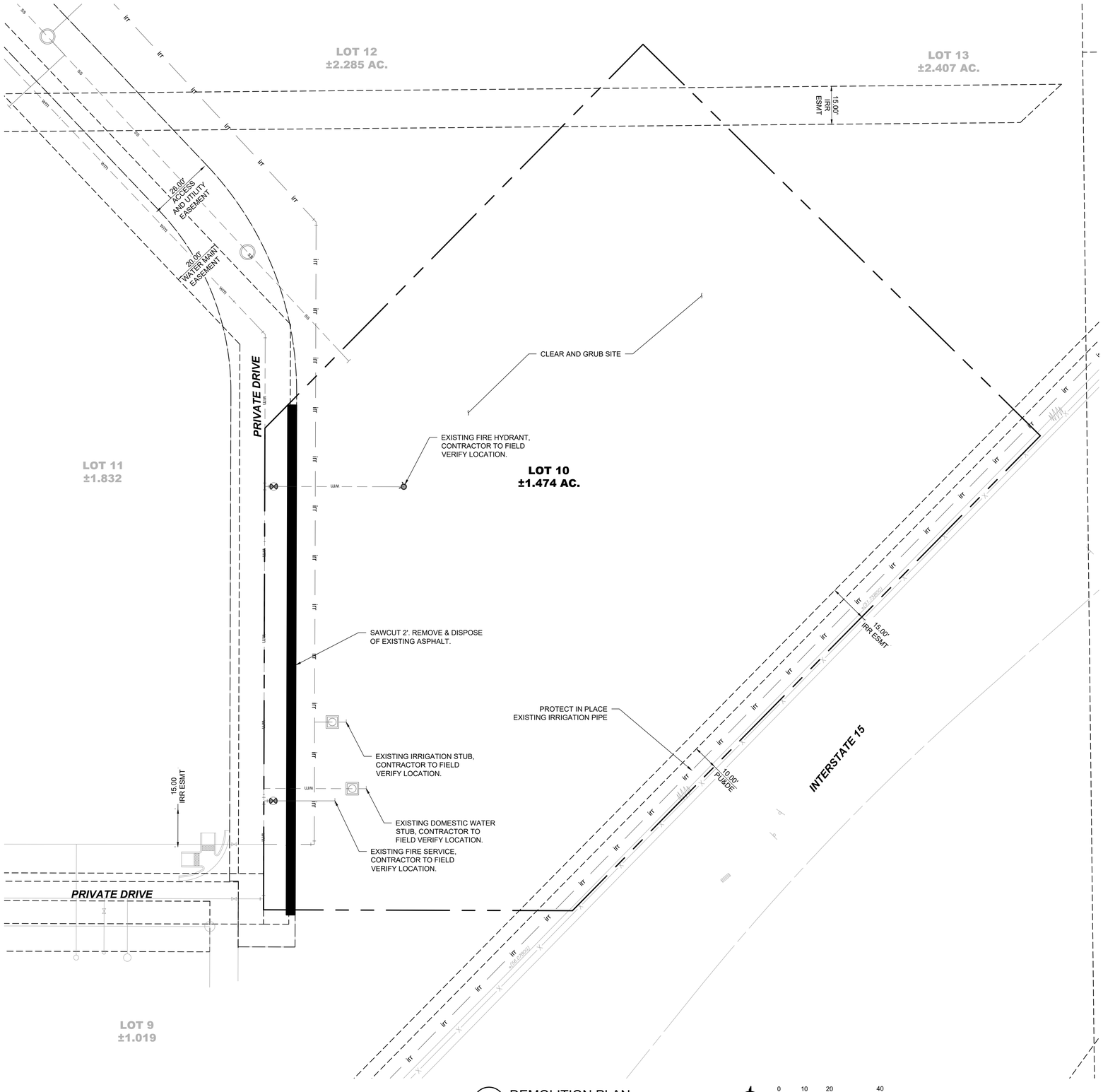
PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
08/04/2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
REVISIONS
-

GENERAL NOTES

C001



1 DEMOLITION PLAN

NORTH

0 10 20 40

SCALE: 1" = 20'

PROJECT CONDITIONS

1. STRUCTURES TO BE DEMOLISHED WILL BE DISCONTINUED IN USE AND VACATED PRIOR TO THE START OF WORK.
2. THE OWNER ASSUMES NO RESPONSIBILITY FOR CONDITION OF STRUCTURES TO BE DEMOLISHED.
3. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER AS PRACTICABLE. VARIATIONS WITHIN STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK.
4. UNLESS OTHERWISE INDICATED IN CONTRACT DOCUMENTS OR SPECIFIED BY THE OWNER, ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR SHALL BE REMOVED FROM SITE AND STRUCTURES. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED AND SHALL NOT INTERFERE WITH OTHER WORK SPECIFIED IN CONTRACT DOCUMENTS.
5. EXPLOSIVES SHALL NOT BE BROUGHT TO SITE OR USED WITHOUT WRITTEN CONSENT OF AUTHORITIES HAVING JURISDICTION. SUCH WRITTEN CONSENT WILL NOT RELIEVE CONTRACTOR OF TOTAL RESPONSIBILITY FOR INJURY TO PERSONS OR FOR DAMAGE TO PROPERTY DUE TO BLASTING OPERATIONS, PERFORMANCE OF REQUIRED BLASTING SHALL COMPLY WITH GOVERNING REGULATIONS.

SITE PREPARATION

1. PROVIDE, ERECT, AND MAINTAIN EROSION CONTROL DEVICES, TEMPORARY BARRIERS, AND SECURITY DEVICES PRIOR TO THE START OF DEMOLITION.
2. PROTECT EXISTING LANDSCAPING MATERIALS, APPURTENANCES, AND STRUCTURES WHICH ARE NOT TO BE DEMOLISHED. REPAIR DAMAGE CAUSED BY DEMOLITION OPERATIONS AT NO COST TO OWNER.
3. THE CONTRACTOR IS RESPONSIBLE TO PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING AS NEEDED.
4. MARK LOCATION OF UTILITIES. PROTECT AND MAINTAIN IN SAFE AND OPERABLE CONDITION UTILITIES THAT ARE TO REMAIN. PREVENT INTERRUPTION OF EXISTING UTILITY SERVICE TO OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS ACCEPTABLE TO GOVERNING AUTHORITIES AND OWNER.
5. THE CONTRACTOR IS RESPONSIBLE TO CALL 1-800-424-5555 (OR 811) AT LEAST 2 WORKING DAYS PRIOR TO ANY DEMOLITION ACTIVITIES.

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND PINS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS
3. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
4. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURE. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC DURING DEMOLITION, WHICH INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC.
6. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT OWNER AS TO SPECIFIC DETAILS REGARDING REMOVAL OF EXISTING BUILDINGS, CONTENTS AND ASSOCIATED APPURTENANCES.
7. THE CONTRACTOR IS RESPONSIBLE TO INSPECT THE SITE PRIOR TO BIDDING AND INCLUDE IN THE BID ANY AND ALL ITEMS TO BE REMOVED, DEMOLISHED, OR MAINTAINED AS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT WHETHER THEY ARE SHOWN ON THIS PLAN OR NOT.
8. ALL MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTORS EXPENSE UNLESS OTHERWISE INDICATED BY THE OWNER. AN APPROPRIATE DUMP SITE SHALL BE NOMINATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
9. THE CONTRACTOR SHALL VERIFY LOCATIONS AND MATERIAL TYPES OF ALL UTILITIES PRIOR TO THE START OF DEMOLITION.
10. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. DO NOT ALLOW WATER TO POND IN EXCAVATION AREAS, AND MAINTAIN ALL EXISTING DRAINAGE PATTERNS.
11. TRAFFIC, BOTH VEHICULAR AND PEDESTRIAN SHALL BE PROTECTED BY EFFECTIVE BARRICADES AND SIGNS IN ACCORDANCE WITH MUTCD GUIDANCE AND AS REQUIRED BY THE JURISDICTION HAVING AUTHORITY. EFFECTIVE LIGHTING OF OBSTRUCTIONS SHALL BE PROVIDED AT NIGHT.
12. PROTECTION OF PROPERTY - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO HIS WORK, AND SHALL EXERCISE DUE CAUTION TO AVOID DAMAGE TO SUCH PROPERTY. THE CONTRACTOR SHALL REPLACE OR REPAIR TO THEIR ORIGINAL CONDITION, ALL IMPROVEMENTS WITHIN OR ADJACENT TO THE WORK AREA WHICH ARE NOT DESIGNATED FOR REMOVAL, AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF OPERATIONS.

GENERAL NOTES

1. THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES, AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES, AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES, AND STANDARDS'
2. ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS

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PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
08.04.2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
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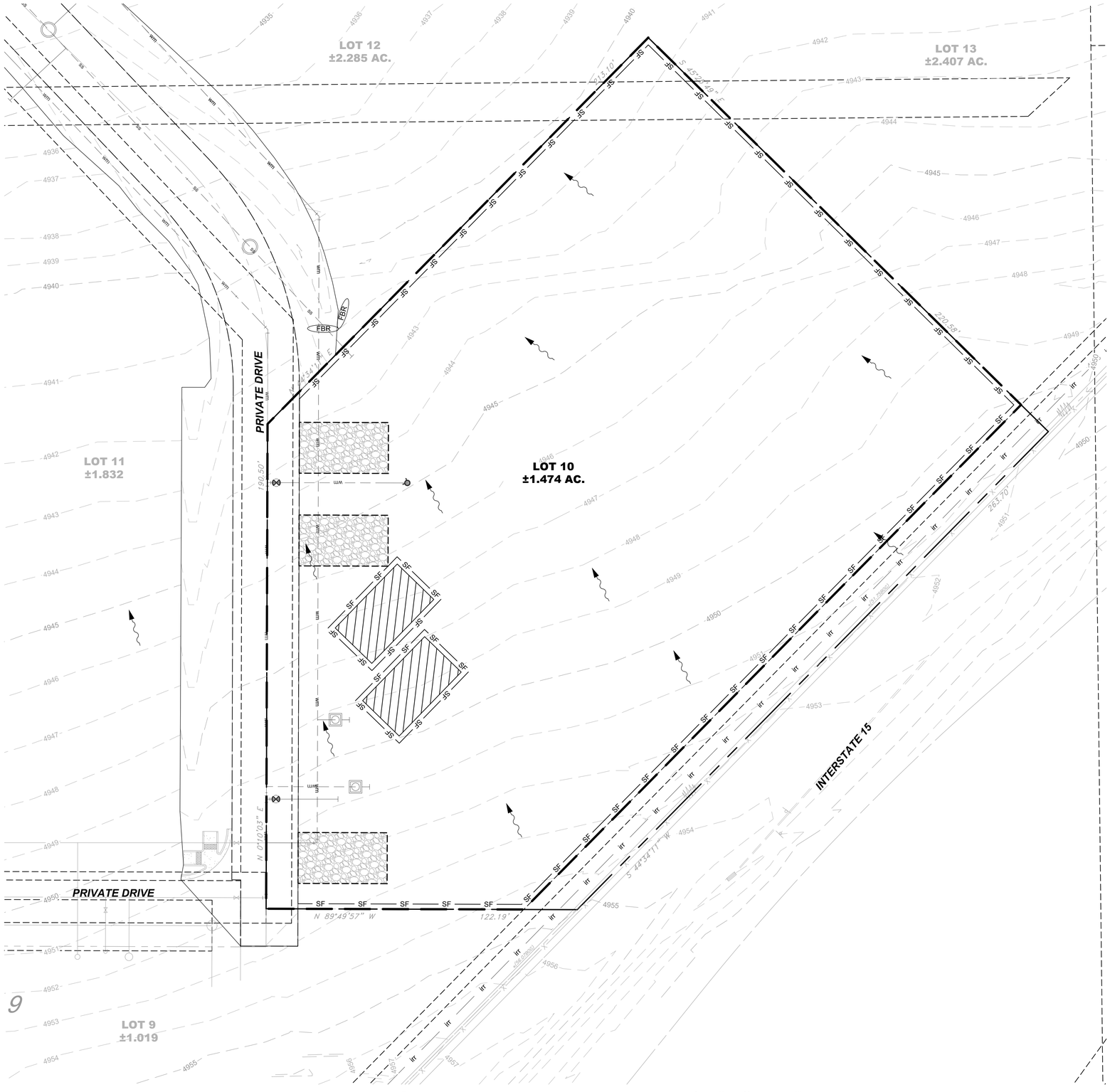
DEMOLITION PLAN

C002



EROSION CONTROL PLAN LEGEND

- FLOW ARROW
- LIMITS OF DISTURBANCE
- SF — SF — SILT FENCE SEE DETAIL 1/C012
- CONSTRUCTION ENTRANCE SEE DETAIL 2/C012
- FBR — FIBER ROLL BARRIER SEE DETAIL 3/C012
- IP — INLET PROTECTION SEE DETAIL 4/C012
- SOIL STOCKPILE AND STAGING AREA

NOTES:
1. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS
2. THE FOLLOWING ARE PROHIBITED TO BE DISCHARGED FROM THE SITE:
   - 2.1. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS
   - 2.2. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE
   - 2.3. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING

1 INITIAL ESCP

NORTH

0 10 20 40

SCALE: 1" = 20'

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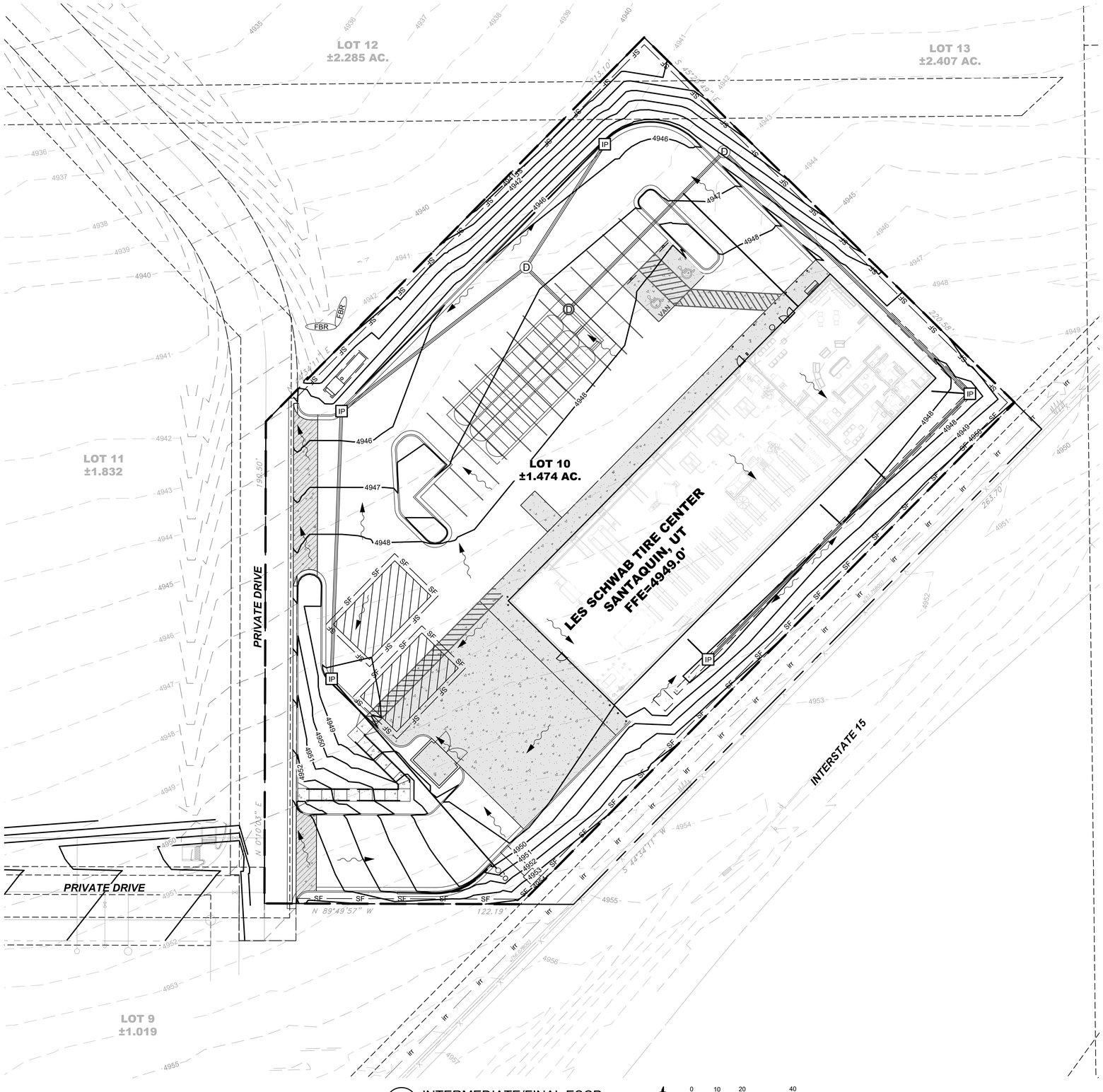
INITIAL ESCP

C010



1 INTERMEDIATE/FINAL ESCP

NORTH

0 10 20 40

SCALE: 1" = 20'

EROSION CONTROL PLAN LEGEND

- FLOW ARROW
- LIMITS OF DISTURBANCE
- SF SILT FENCE SEE DETAIL 1/C012
- CONSTRUCTION ENTRANCE SEE DETAIL 2/C012
- FBR FIBER ROLL BARRIER SEE DETAIL 3/C012
- IP INLET PROTECTION SEE DETAIL 4/C012
- SOIL STOCKPILE AND STAGING AREA

NOTES:

1. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS
2. THE FOLLOWING ARE PROHIBITED TO BE DISCHARGED FROM THE SITE:
   - 2.1. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS
   - 2.2. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE
   - 2.3. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING

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PROJECT #|LSUT_21SANTA
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INTERMEDIATE/
FINAL ESCP

C011

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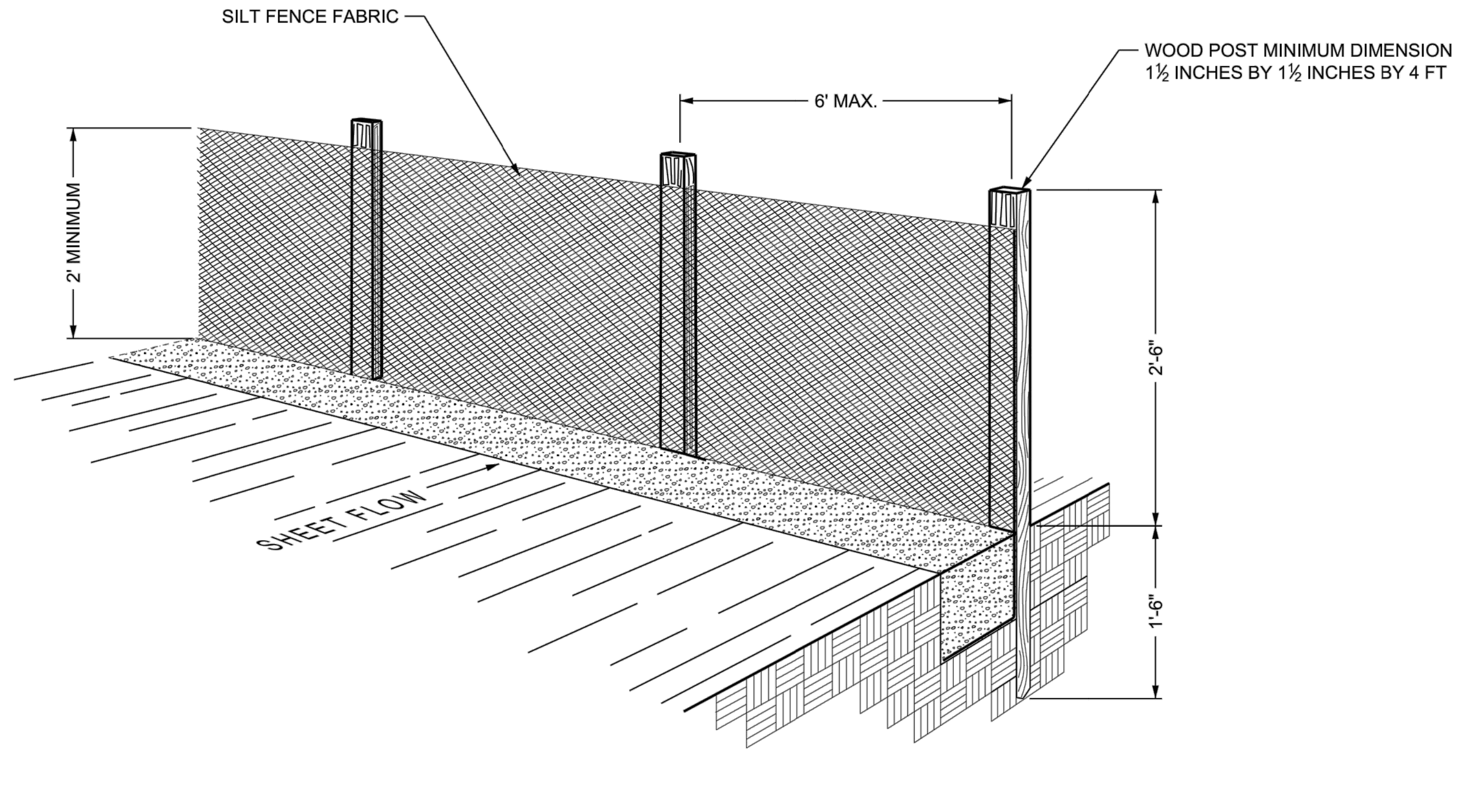
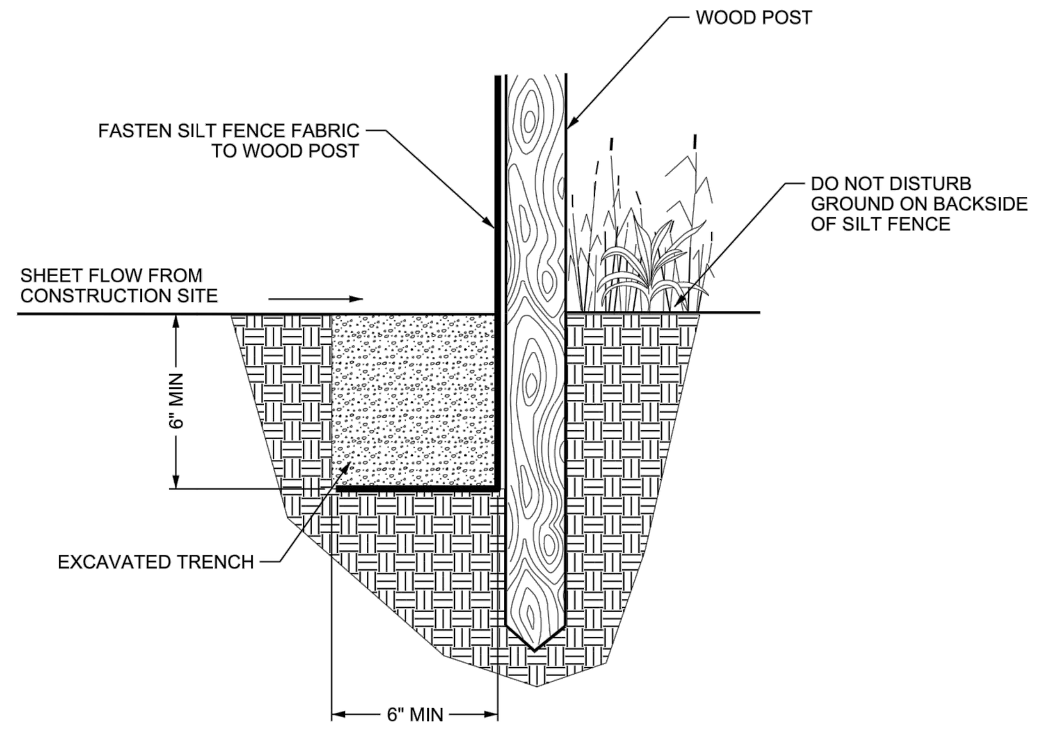
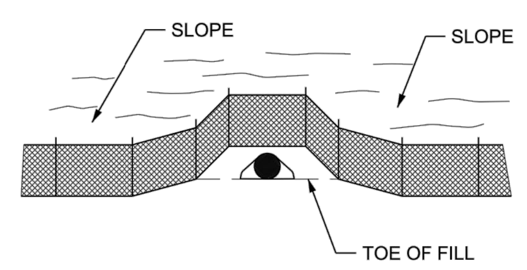


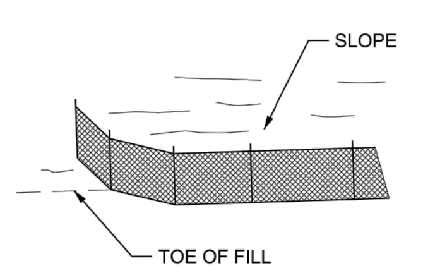
PERSPECTIVE VIEW



SECTION

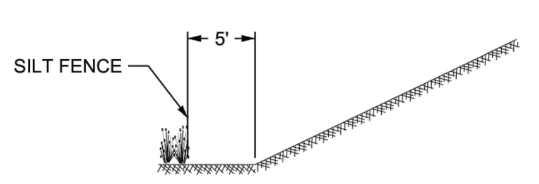


AROUND A PIPE OUTLET



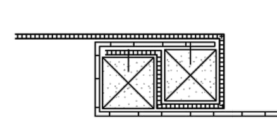
AT END OF SILT FENCE

SEE NOTE 6



AT TOE OF FILL SLOPE

SEE NOTE 1



SPLICES (TOP VIEW)

SEE NOTE 8

SILT FENCE INSTALLATIONS

NOTES:

1. POSITION THE SILT FENCE 5 FT BEYOND THE TOE OF SLOPE. INSTALL SILT FENCE AT TOE OF SLOPE WHEN PLACING WITHIN OR IMMEDIATELY ADJACENT TO A WETLAND.
2. ALIGN THE FENCE ALONG THE CONTOUR AS MUCH AS POSSIBLE TO AVOID CREATING LOW POINTS ALONG THE SILT FENCE. PROVIDE AN OPENING IN THE FENCE AND INSTALL A SEDIMENT TRAP WHERE EXCESSIVE RUNOFF WILL ACCUMULATE AT A LOW POINT.
3. SECURE FIRMLY INTO GROUND BY EXCAVATING TRENCH, PLACING SILT FENCE FABRIC THEN BACKFILLING WITH EXCAVATED TRENCH MATERIAL.
4. SECURE SILT FENCE FABRIC TO WOOD POST ACCORDING TO MANUFACTURER RECOMMENDATIONS.
5. MINIMIZE DISTURBANCE WHEN EXCAVATING THE TRENCH.
6. SILT FENCE INSTALLATION EQUIPMENT MAY BE USED AS AN ALTERNATIVE INSTALLATION METHOD IF BOTTOM 6 INCHES OF SILT FENCE FABRIC IS TRENCHED FIRMLY INTO GROUND AND MEETS ALL OTHER REQUIREMENTS.
7. RUN THE ENDS OF THE FENCE SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE ENDS OF THE SILT FENCE.
8. DO NOT PLACE SILT FENCE ACROSS AREAS OF CONCENTRATED FLOWS.
9. AVOID USING SPLICES ALONG THE FENCE AS MUCH AS POSSIBLE. OVERLAP THE END POSTS AND TWIST 180 DEGREES BEFORE STAKING THE WOOD POSTS WHEN NECESSARY.

REVISIONS

NO	DATE	APPR.	REMARKS
1	06/17/2021	RH	DRAWING NAME CHANGE

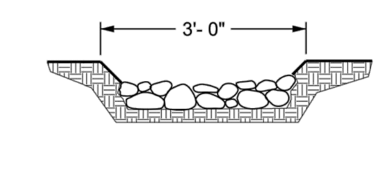
UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH
RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE APPROVED — DATE
2023 Standard Drawing
DEPUTY DIRECTOR — DATE

TEMPORARY ENVIRONMENTAL CONTROLS (SILT FENCE)
STANDARD DRAWING TITLE

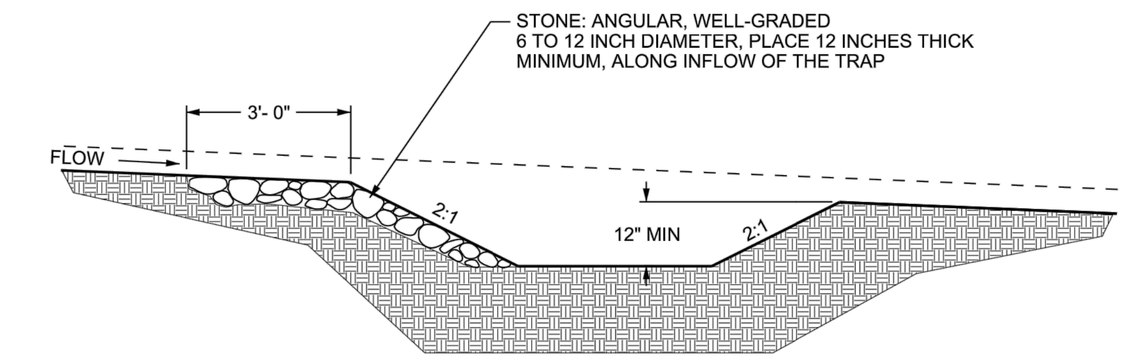
STD. DWG. NO.
EN 2

DGN File: D:\StandardsandSpecsSection\2023 Standards (pub. Spring 2022)\Electronic Books\Master Drawings\Drawings\EN02.dgn
08-AUG-2022

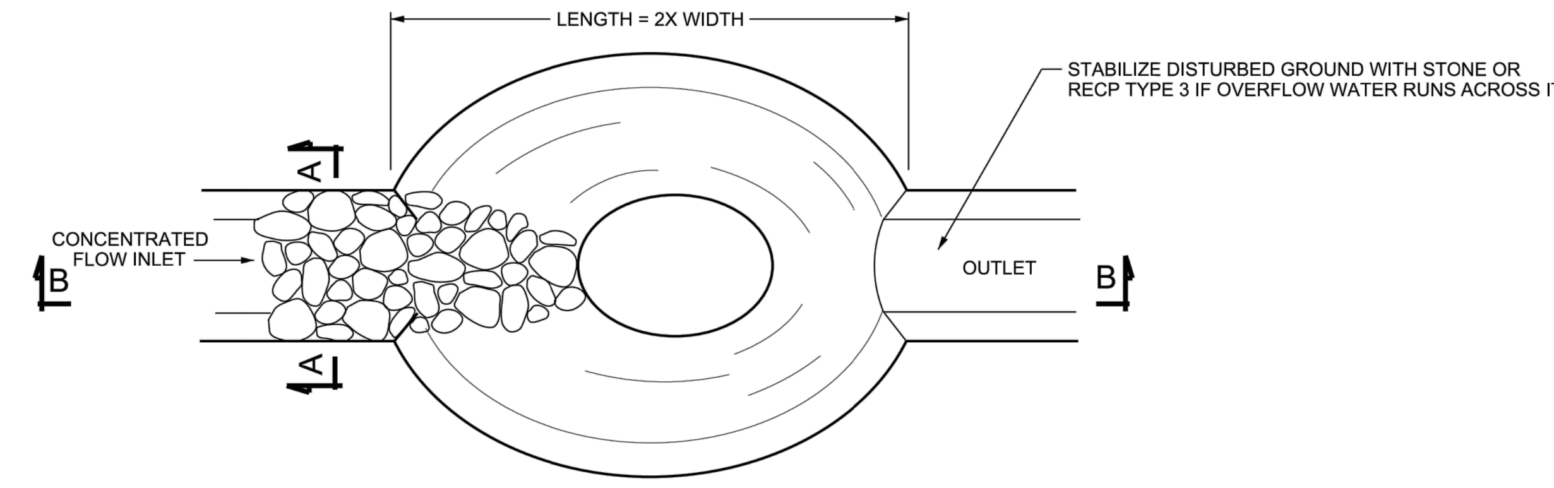
1 SILT FENCE



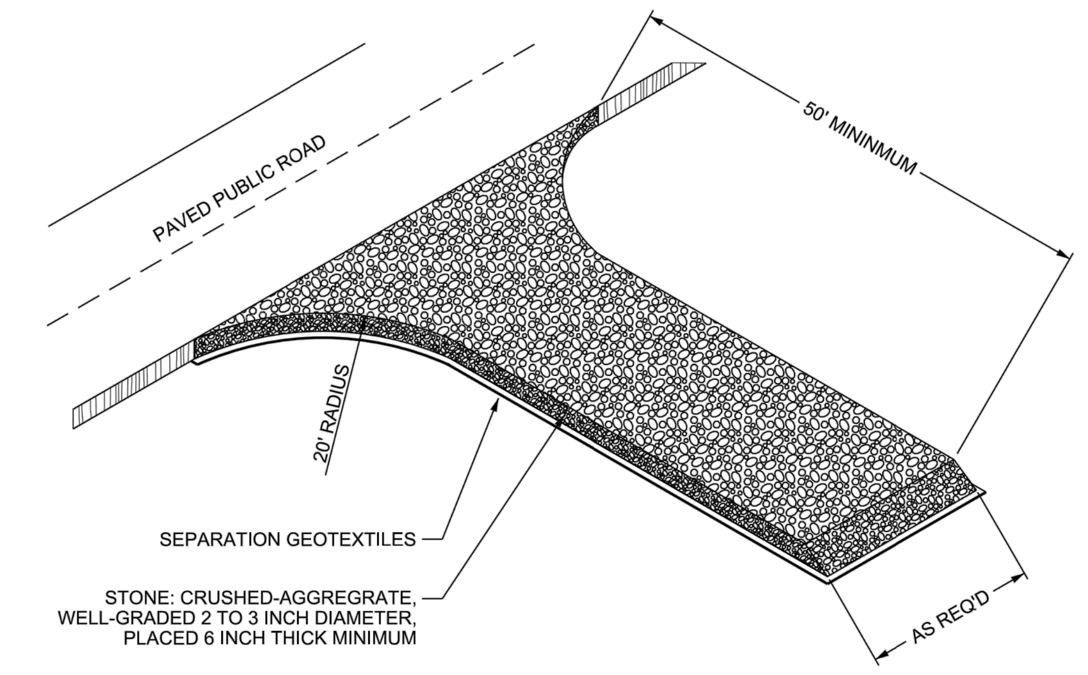
SECTION A - A



SECTION B - B



SEDIMENT TRAP PLAN



STABILIZED CONSTRUCTION ENTRANCE

NOTES FOR STABLILIZED CONSTRUCTION ENTRANCE:

1. PLACE GEOTEXTILE FABRIC BENEATH LIMITS OF STONE.
2. PREVENT VEHICLES LEAVING THE CONSTRUCTION SITE TO TRACK MUD ONTO PAVED ROADS.

REVISIONS

NO	DATE	APPR.	REMARKS
1	06/17/2021	RH	GEOTEXTILE CALLOUT, DRAWING NAME CHANGE
2	02/17/2022	RH	REVISE SECTION 02376 PRODUCT NAME CHANGE

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH
RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE APPROVED — DATE
2023 Standard Drawing
DEPUTY DIRECTOR — DATE

TEMP. ENVIRONMENTAL CONTROLS (SEDIMENT TRAP AND STABILIZED CONSTRUCTION ENTRANCE)
STANDARD DRAWING TITLE

STD. DWG. NO.
EN 6

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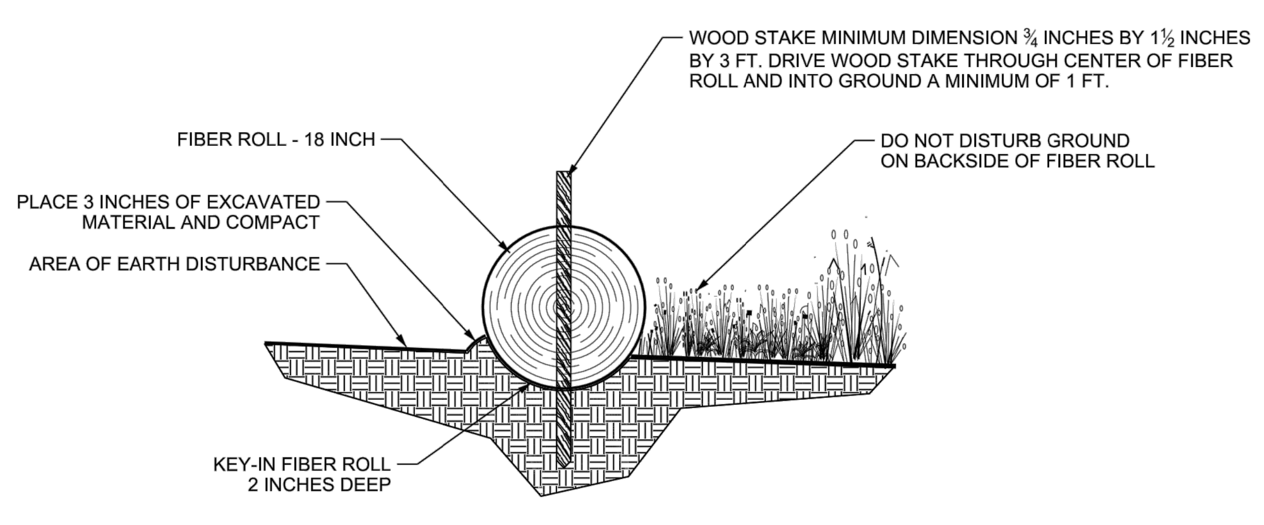
2 STABILIZED CONSTRUCTION ENTRANCE



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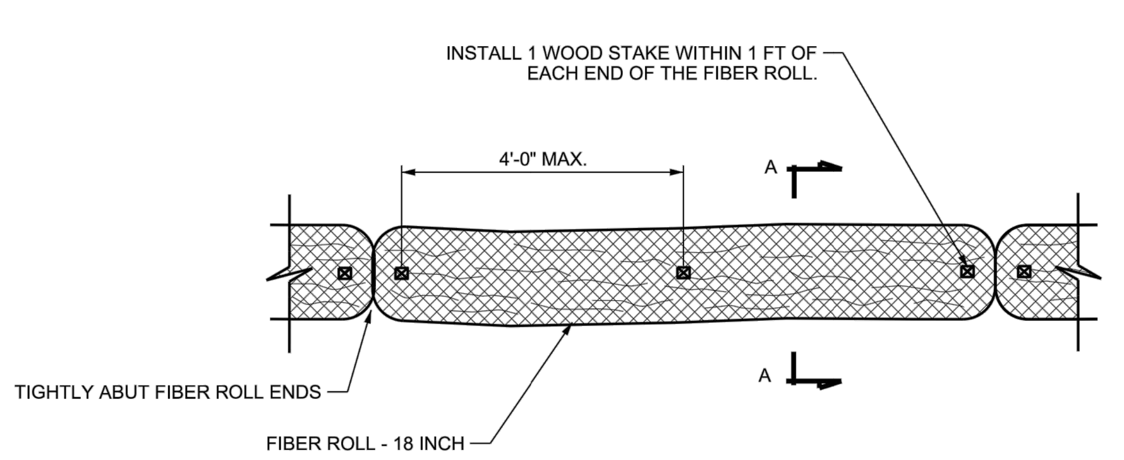
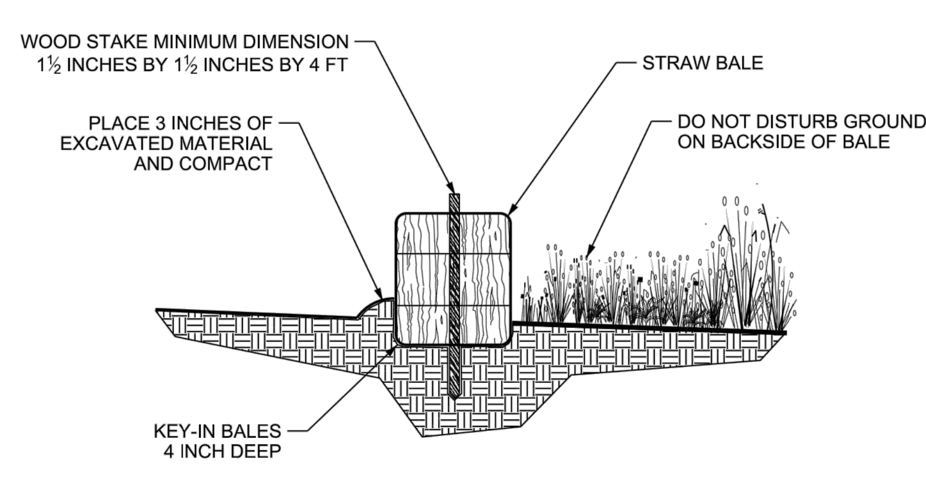
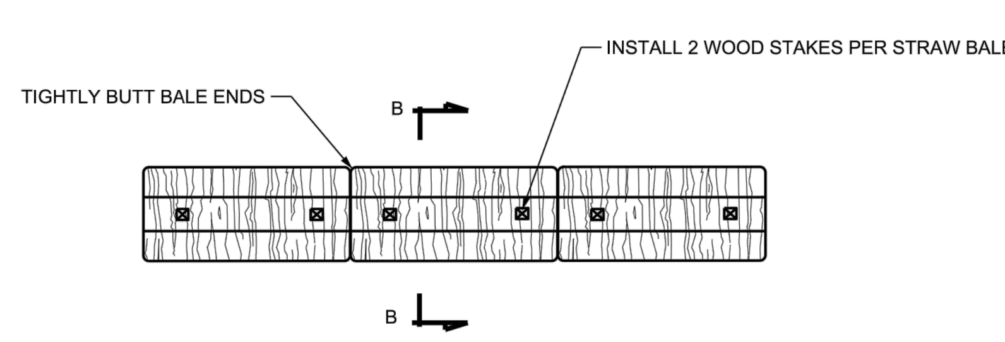


PLAN

FIBER ROLL BARRIER



SECTION B - B



PLAN

STRAW BALE BARRIER

NOTES FOR FIBER ROLL BARRER:

1. PLACE FIBER ROLL BARRIERS BEFORE EARTH DISTURBING ACTIVITIES.
2. DO NOT PLACE FIBER ROLL BARRIERS ACROSS AREAS OF CONCENTRATED FLOW.
3. REMOVE FIBER ROLLS AND WOOD STAKES, LEVEL AND SEED THE AREA.
4. FIBER ROLL NETTING MY BE CUT OPEN, REMOVED AND MATRIX MATERIAL MAY BE SPREAD AS MULCH.

NOTES FOR STRAW BALE BARRER:

1. PLACE STRAW BALE BARRIERS BEFORE EARTH DISTURBING ACTIVITIES.
2. DO NOT PLACE STRAW BALE BARRIERS ACROSS AREAS OF CONCENTRATED FLOW.
3. REMOVE STRAW BALES AND WOOD STAKES, LEVEL AND SEED THE AREA.
4. STRAW BALES MAY BE BUSTED APART AND SPREAD AS MULCH.

REVISIONS

NO	DATE	APPR.	REMARKS
1	06/17/2021	RH	REPLACED STRAW-BALE BARRIER WITH; DRAWING NAME CHANGE

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH
RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE APPROVED — DATE
2023 Standard Drawing
DEPUTY DIRECTOR — DATE

TEMPORARY ENVIRONMENTAL CONTROLS (FIBER ROLL OR STRAW BALE BARRIER)
STANDARD DRAWING TITLE

STD. DWG. NO.
EN 7

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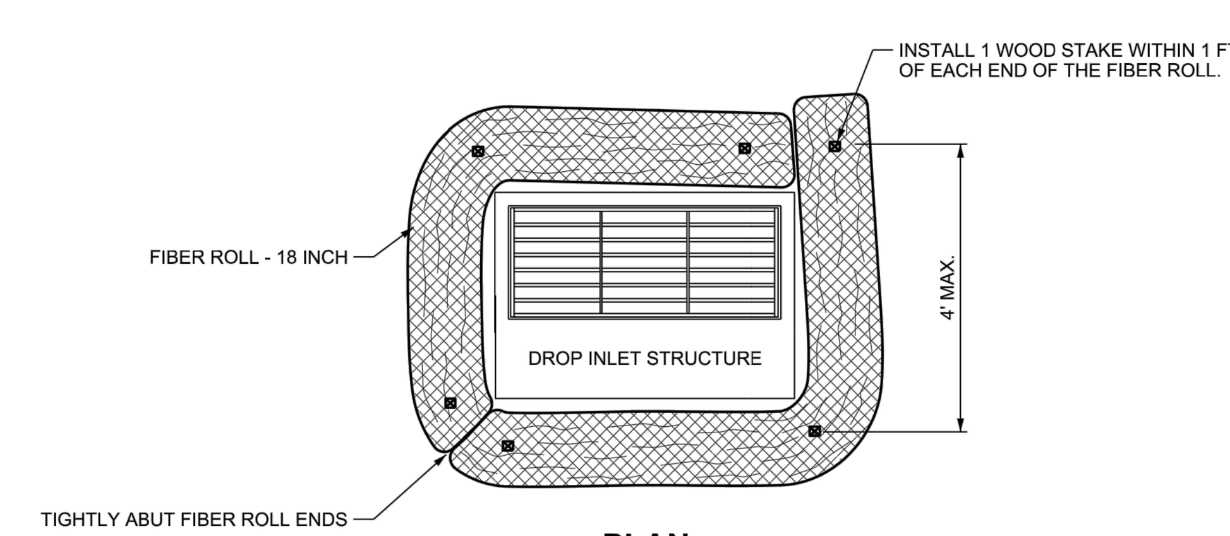
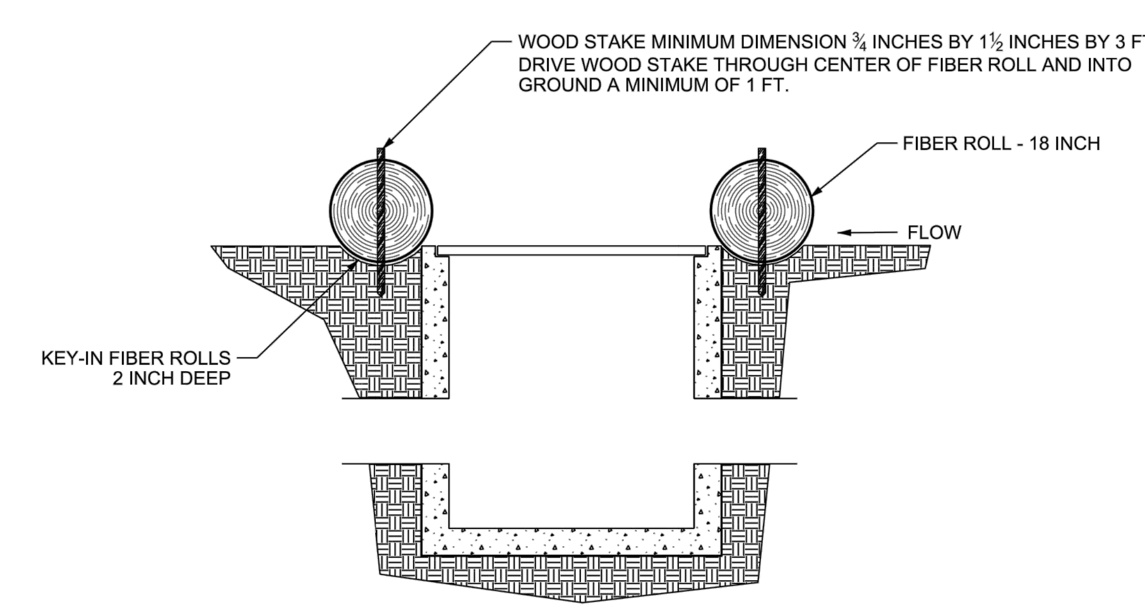
08-AUG-2022

3 FIBER ROLL AND STRAW BALE BARRIER



PLAN

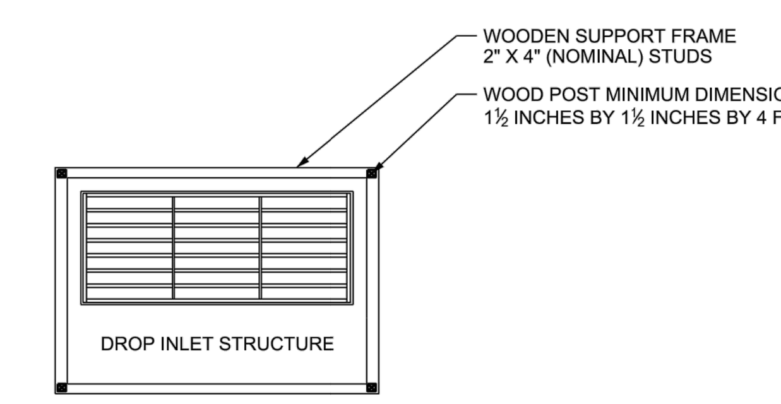


SECTION

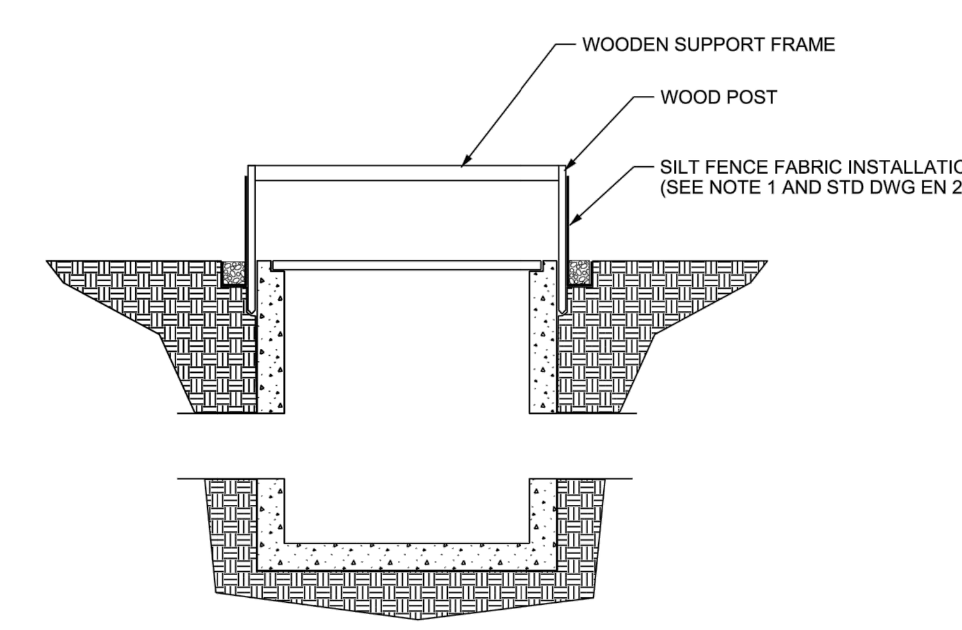
DROP-INLET BARRIER - FIBER ROLL

NOTES:

1. KEY-IN FIBER ROLLS AROUND THE PERIMETER OF THE DROP INLET STRUCTURE AND STAKE AS SHOWN.
2. INSTALL FIBER ROLLS IN MEDIAN AREAS SO THAT THE TOPS ARE NOT HIGHER IN ELEVATION THAN THE ADJACENT ROADWAY.
3. USE AS MANY FIBER ROLLS AS NECESSARY TO COMPLETELY ENVELOPE DROP INLET STRUCTURE.



PLAN



SECTION

DROP-INLET BARRIER - SILT FENCE

NOTES:

1. ENTRENCH THE BOTTOM 18 INCH OF SILT FENCE SECURELY IN THE GROUND AROUND THE PERIMETER OF THE DROP INLET.
2. DRIVE POSTS AT EACH CORNER OF THE INLET STRUCTURE. PLACE ANOTHER POST OR POSTS BETWEEN THEM IF THE DISTANCE BETWEEN CORNER POSTS EXCEEDS 4 FT.
3. BUILD WOODEN SUPPORT FRAME MADE OF WOOD STUDS AND SECURE TO THE TOP OF POSTS.
4. CONSTRUCT SILT FENCE IN MEDIAN AREAS SO THAT THE TOP OF SILT FENCE IS NOT HIGHER IN ELEVATION THAN THE ADJACENT ROADWAY.

REVISIONS

NO	DATE	APPR.	REMARKS
1	06/17/2021	RH	WOOD STAKE REQ., NOTES, DRAWING NAME CHANGE

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH
RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE APPROVED — DATE
2023 Standard Drawing
DEPUTY DIRECTOR — DATE

TEMPORARY ENVIRONMENTAL CONTROLS (DROP-INLET BARRIERS)
STANDARD DRAWING TITLE

STD. DWG. NO.
EN 4

DGN File: D:\StandardsandSpecsSection\2023 Standards (pub. Spring 2022)\Electronic Books\Master Drawings\Drawings\EN04.dgn
08-AUG-2022

4 TEMPORARY INLET PROTECTION

811
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98 N 500 E MAIN STREET
SANTAQUIN, UT 84655

PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
08.04.2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
REVISIONS
-

GENERAL NOTES

C012

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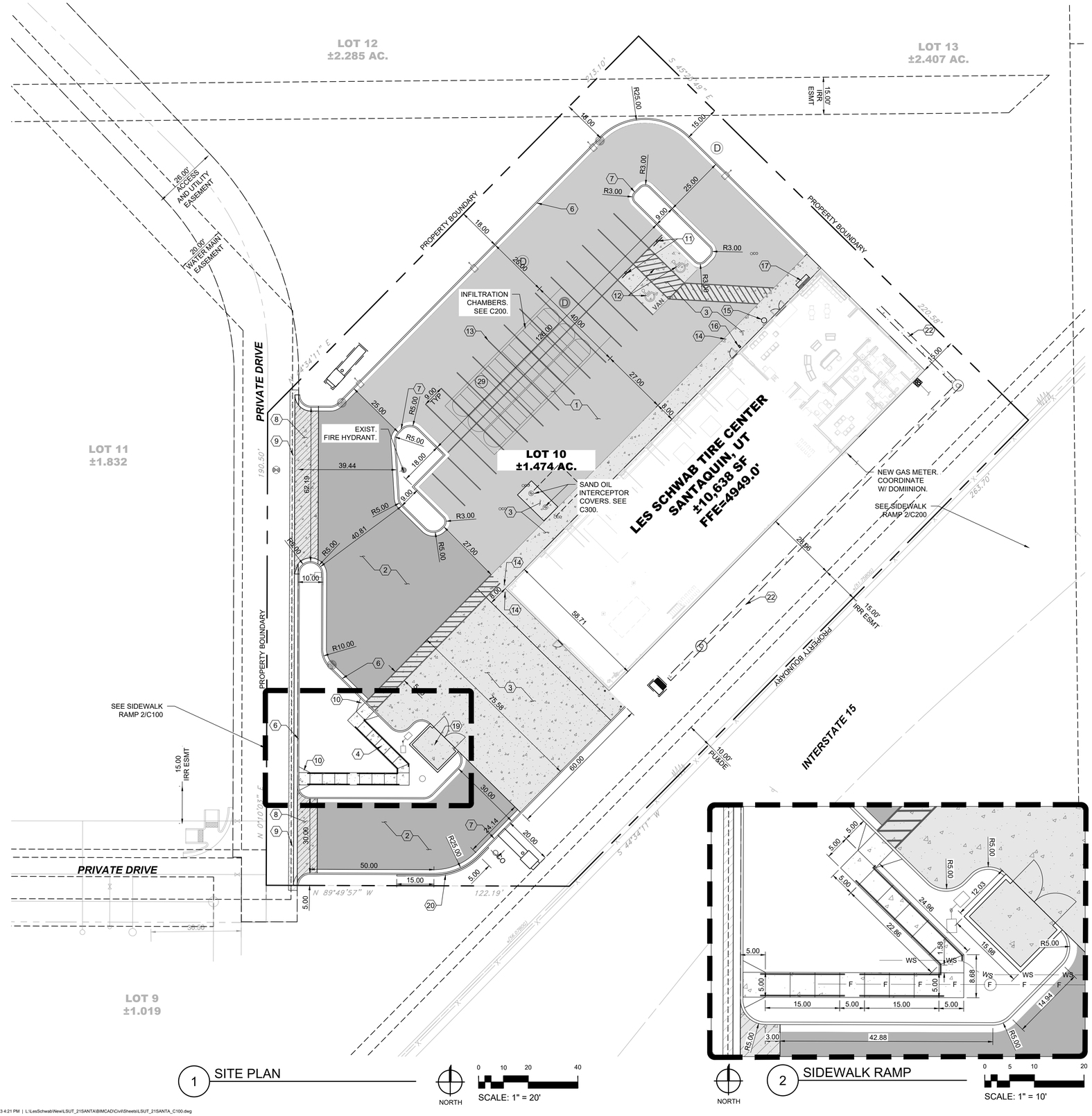

1 SITE PLAN

NORTH

SCALE: 1" = 20'

2 SIDEWALK RAMP

NORTH

SCALE: 1" = 10'

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CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL REFER TO BUILDING PLANS FOR LOCATION AND DIMENSIONS OF SLOPED PAVING, EXIT PORCHES, TRUCK DOCKS, BUILDING DIMENSIONS, BUILDING ENTRANCE LOCATIONS, TOTAL NUMBER, LOCATIONS AND SIZES OF ROOF DOWNSPOUTS.
2. ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED AS SHOWN IN THE NATIONAL MANUAL ON UNIFORM CONTROL DEVICES FOR STREETS AND HIGHWAYS EXCEPT AS NOTED ON THE PLANS.
3. ALL CURB RADII SHOWN ARE TO FACE OF CURB.
4. ALL PAVING DIMENSIONS ARE TO FACE OF CURB, WHERE APPLICABLE, UNLESS OTHERWISE NOTED.
5. ALL COORDINATES SHOWN ARE TO FACE OF CURB OR OUTSIDE OF WALL.
6. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
7. THE CONTRACTOR SHALL MATCH EXISTING CURB AND GUTTER IN GRADE, SIZE, TYPE AND ALIGNMENT AT ADJACENT ROADWAYS, UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
9. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

PAVING NOTES

1. PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. PAVEMENT SECTION RECOMMENDATIONS WERE TAKEN FROM THE GEOTECHNICAL REPORT.

GENERAL NOTES

SITE OFFSETS, PARKING, AND LAND DEVELOPMENT REQUIREMENTS
DEVELOPED PER SANTAQUIN, UT MUNICIPAL CODE (M.C.).

CURRENT ZONING: GENERAL COMMERCIAL

SITE OFFSETS: SANTAQUIN, UT - M.C. 10.20.120
SITE PARKING: SANTAQUIN, UT - M.C. 10.48.040
LANDSCAPING: SANTAQUIN, UT - M.C. 10.52.030

EXISTING BOUNDARIES, PAVEMENTS, AND LAND FEATURES WERE IMPORTED WITH EXTERNAL SURVEY RECEIVED FROM AWA ENGINEERING.

EXISTING SURVEY DWG ID: SANTAQUIN - PHASE 2 (7-26-21)

GENERAL NOTES

1. THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES, AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES, AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES, AND STANDARDS'\
2. ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.

(#) KEYNOTES

1. LIGHT DUTY ASPHALT PAVEMENT. SEE DETAIL 1/C400.
2. HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL 2/C400.
3. HEAVY DUTY CONCRETE PAVEMENT. SEE DETAIL 3/C400.
4. SIDEWALK CONCRETE. SEE DETAIL 7/C400.
5. CONCRETE JOINTING. SEE 7/C401.
6. CURB AND GUTTER CATCH. SEE DETAIL 9/C400.
7. CURB AND GUTTER SPILL. SEE DETAIL 10/C400.
8. CONCRETE DRIVEWAY. SEE DETAIL 8/C400
9. REPLACE AC PAVEMENT. MATCH EXISTING SECTION, GRADE, AND MATERIAL.
10. ACCESSIBLE SIDEWALK RAMP. SEE DETAIL 5/C400.
11. ACCESSIBLE PARKING SIGNAGE. SEE DETAIL 6/C401.
12. ACCESSIBLE PARKING SYMBOL AND STRIPING. SEE DETAIL 4/C401.
13. 4" WIDE STRIPING. PAINT TWO (2) COATS TRAFFIC WHITE W/ 7 MIL DFT PER COAT.
14. 6" BOLLARD. SEE DETAIL 4/C400.
15. TRASH RECEPTACLE. SEE DETAIL 3/C401.
16. KEYKEEPER WITH STAND SEE DETAIL 1/C401.
17. BENCH SEE DETAIL 2/C401.
18. MAILBOX.
19. TRASH ENCLOSURE . SEE ARCH.
20. RETAINING WALL SEE DETAIL 11/C400.
21. SIDEWALK RAMP HAND RAIL SEE LANDSCAPE PLANS
22. 2' WIDE X 6" THICK CONCRETE TRICKLE CHANNEL.

PARKING TABLE

BUILDING	STALL MINIMUM	PROVIDED STALLS	ADA REQUIRED SPACES
TIRE CENTER	22	29	2

1. PARKING REQUIREMENTS: 2 PER 1,000 SF GFA. (5) PER SECTION 10.48.040 = 5 SPACES

CODE DEVELOPMENT STANDARDS

FRONT	10 FT
SIDE	10 FT
INTERIOR SIDE	10 FT
REAR	10 FT
MAX HEIGHT	48 FT

REQUIRED 90° PARKING SPACE SIZE:	9' X 20'
MINIMUM AISLE WIDTH:	24'

SITE DATA

CURRENT ZONING:	GENERAL COMMERCIAL (C-1)
TOTAL AREA OF PROPERTY	1.474 AC (64,225 SF)
BUILDING SQUARE FOOTAGE:	10,638 SF
PARKING LOT AREA:	20,550 SF
LANDSCAPING AREA:	20,412 SF
CONCRETE WALK AREA:	405 SF
CONCRETE DRIVE AREA:	7,326 SF

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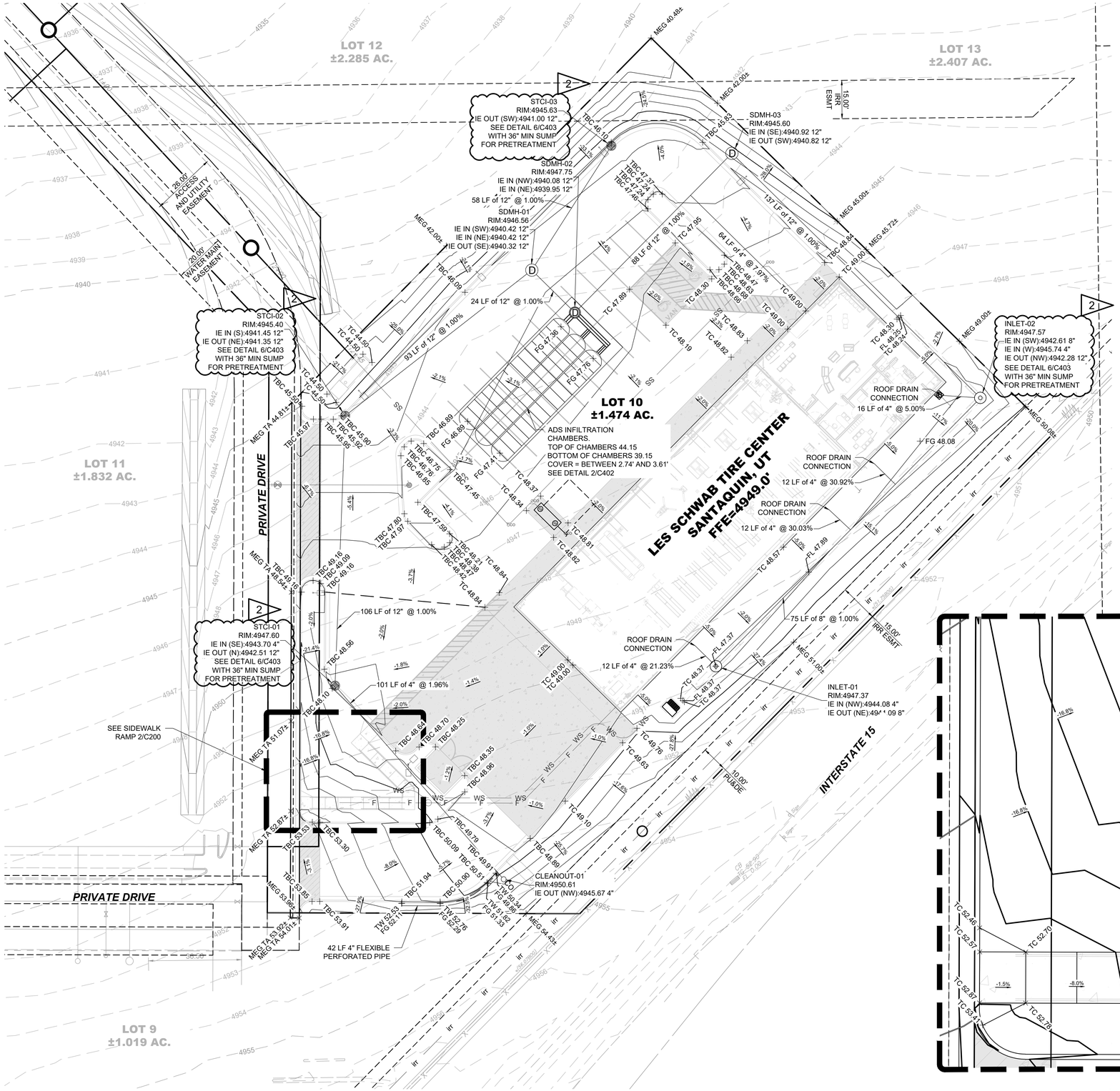
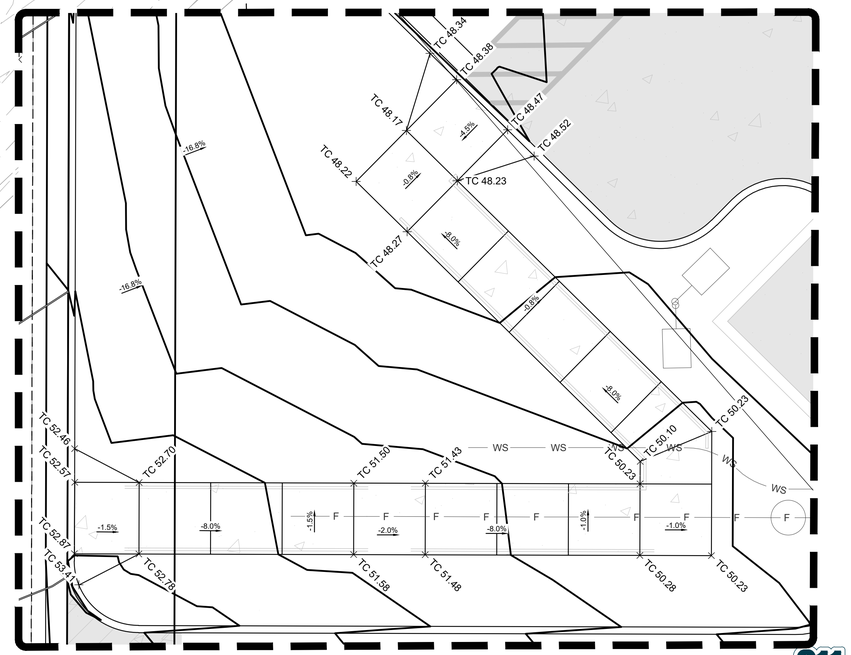
SITE PLAN

C100



1 GRADING AND DRAINAGE PLAN



2 SIDEWALK RAMP

GRADING NOTES

1. SITE GRADING SHALL NOT PROCEED UNTIL THE SWPPP HAS BEEN IMPLEMENTED.
2. ALL EARTHWORK AND GRADING SHALL PROCEED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
3. NO MATERIAL SHALL BE EXCAVATED, MOVED, OR COMPACTED WITHOUT THE PRESENCE OR AUTHORIZATION OF THE OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS AND LOCATE ALL EXISTING UTILITIES PRIOR TO COMMENCING EARTH. NOTIFY ENGINEER OF ANY UNFORESEEN CONDITIONS.
5. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, SIGNS AND EXISTING STRUCTURES AND REPAIR BACK TO ORIGINAL CONDITION IF DAMAGE HAS OCCURRED DURING CONSTRUCTION.
6. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
7. GRADES SHOWN REPRESENT FINISH GRADES UNLESS OTHERWISE NOTED.
8. SPOT ELEVATIONS INDICATE TOP OF ASPHALT, UNLESS OTHERWISE INDICATED.
9. FINISHED GRADE SPOT ELEVATIONS HAVE BEEN TRUNCATED. ADD 4900 FOR ACTUAL ELEVATION.
10. LONGITUDINAL SLOPES OF ALL SIDEWALKS SHALL NOT EXCEED 5%, EXCEPT FOR ON INDICATED RAMPS.
11. CROSS SLOPES OF ALL SIDEWALKS SHALL NOT EXCEED 2%. 1.5% IS PREFERRED.
12. PEDESTRIAN RAMPS SHALL NOT EXCEED 12H:1V IN ANY DIRECTION.
13. ADA PARKING AND ADA UNLOADING/LOADING AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION. CONTRACTOR TO VERIFY GRADES OF BASE MATERIAL AND FORMS BEFORE PAVING INSTALLATION.
14. EXTERIOR CONCRETE FLATWORK ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDING AND NOT EXCEED 2%. 1% IS THE MINIMUM.
15. PROPOSED GRADE CONTOUR INTERVAL SHOWN AT ONE FOOT (1').
16. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING.
17. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH BUILDING PLANS AND SPECIFICATIONS.
18. THE CONTRACTOR IS RESPONSIBLE TO CALL 1-800-424-5555 (OR 811) AT LEAST 2 WORKING DAYS PRIOR TO ANY EARTH DISTURBING ACTIVITIES OR UTILITY EXCAVATIONS.

STORMWATER NOTES

1. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (HS20) LOADING AND BE INSTALLED ACCORDINGLY.
2. TRENCHES SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
3. ALL PIPE MATERIAL, FITTINGS AND STRUCTURES SHALL FOLLOW THE CONSTRUCTION DRAWINGS AND CITY REQUIREMENTS. ALL STORMWATER PIPING SHALL BE ADS N-12 OR APPROVED EQUAL.
4. ALL STORMWATER TRENCHING, BEDDING AND PIPE LAYING, SHALL FOLLOW THE CURRENT CITY REQUIREMENTS.
5. ALL JOINTS SHALL BE "WATERTIGHT".
6. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL FLUSH AND CLEAN ALL STORM DRAINS AND REMOVE ALL FOREIGN MATERIAL FROM THE PIPING, MANHOLES, AND DRAINAGE INLETS.
7. CONTRACTOR SHALL SUPPLY ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPES IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS. COST OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. STORM SEWER PIPE AND MANHOLES SHALL BE TESTED FOR LEAKAGE PER CURRENT CITY STANDARDS.

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No. 12525877-2202
ADAM SCHLEGEL
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GRADING AND DRAINAGE PLAN

C200

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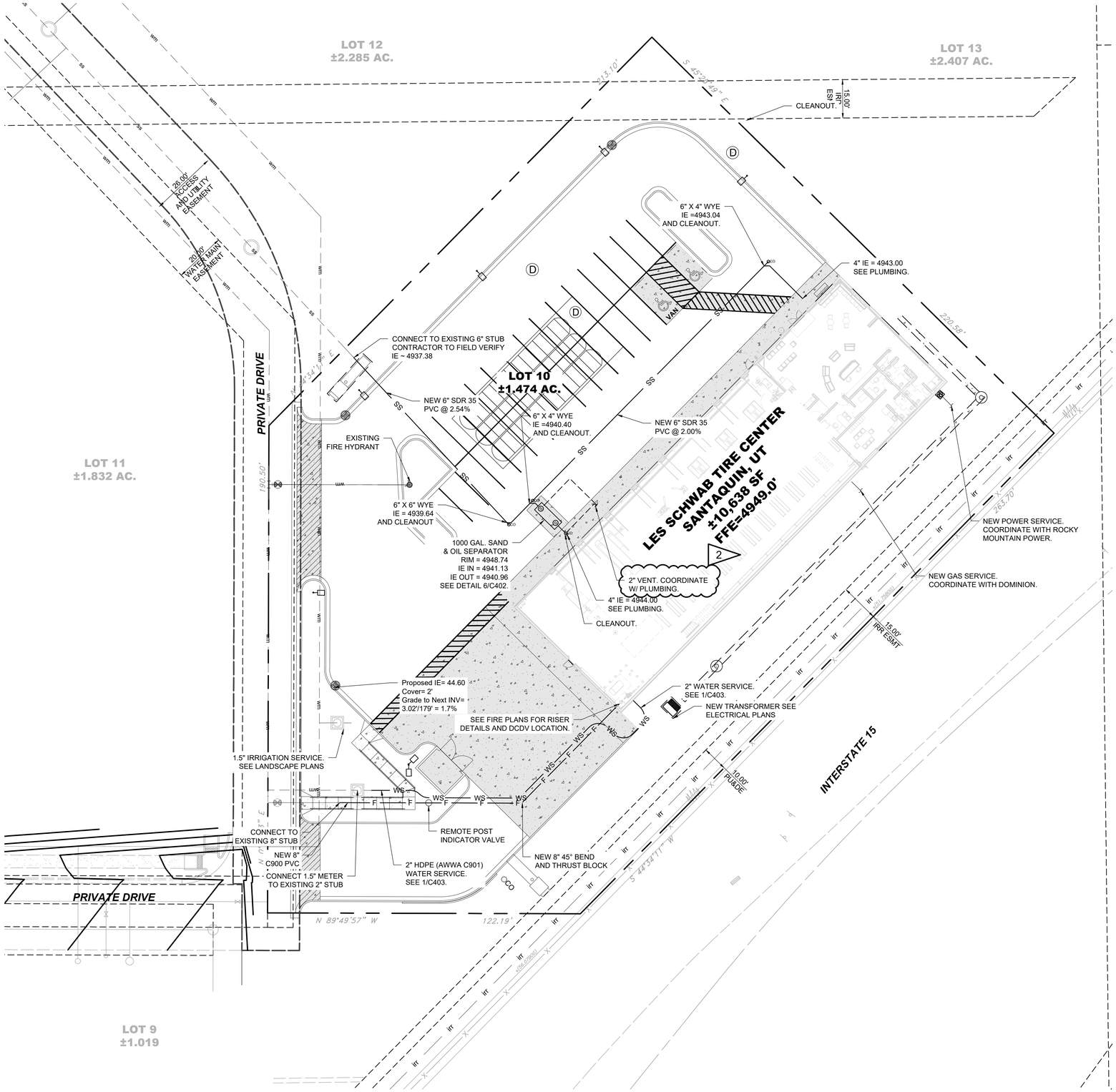

1 UTILITY PLAN

NORTH

0 10 20 40

SCALE: 1" = 20'

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WATER NOTES

1. UNLESS OTHERWISE NOTED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT SANTAQUIN STANDARD SPECIFICATIONS.
2. UNLESS OTHERWISE SPECIFIED, WATER LINES SHALL BE PVC C900 IN CONFORMANCE WITH AWWA C900. ALL SERVICES AND CONNECTIONS SHALL BE HDPE WITH A PRESSURE RATING OF 200 PSI AND CONFORM TO THE SANTAQUIN STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY FITTINGS, COUPLING, AND SPOOL PIECES FOR CONNECTING NEW UTILITIES TO EXISTING UTILITIES. THESE PLANS MAY NOT SHOW ALL REQUIRED COMPONENTS FOR MAKING THE CONNECTIONS.
4. THE MINIMUM DEPTH OF BURY TO THE TOP OF PIPE FOR WATER LINES IS 6.0 FT. WHERE AT LEAST 6.0 FT OF COVER CANNOT BE MAINTAINED, INSTALL RIGID INSULATION BOARD ABOVE PIPING AS INDICATED ON PLANS.
5. THE CONTRACTOR MUST ENSURE THAT A MINIMUM OF 10 FEET (OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) OF CLEARANCE IS MAINTAINED ON THE HORIZONTAL PLANE BETWEEN ALL WATER AND SEWER MAINS. ADDITIONALLY, THE CONTRACTOR MUST ALSO ENSURE THAT 18 INCHES OF VERTICAL CLEARANCE IS MAINTAINED BETWEEN WATER AND SEWER MAINS THAT CROSS. IMMEDIATELY NOTIFY ENGINEER OF CONFLICTS.
6. LOCATIONS OF FITTINGS, BENDS, VALVES, AND OTHER APPURTENANCE ARE APPROXIMATE. PROVIDE ADEQUATE SPACING BETWEEN FIXTURES TO MAINTAIN PIPE INTEGRITY. PROVIDE AS BUILT LOCATIONS FOR ALL FIXTURES.
7. ANY EXISTING OR NEW VALVES THAT CONTROL THE SANTAQUIN WATER SUPPLY SHALL BE OPERATED BY CITY PERSONNEL ONLY.
8. PRESSURE TEST AND DISINFECT ALL WATER LINES IN ACCORDANCE WITH THE SANTAQUIN STANDARD SPECIFICATIONS AND ALL OTHER GOVERNING AGENCIES' STANDARDS.
9. ALL FITTINGS SHALL BE MECHANICAL JOINT WITH CONCRETE THRUST BLOCKS MEETING SANTAQUIN STANDARD SPECIFICATIONS AND ALL OTHER GOVERNING AGENCIES' STANDARDS.
10. ALL DUCTILE IRON FITTINGS TO BE WRAPPED IN POLYWRAP.
11. PER THE CURRENT STATE OF UTAH ENVIRONMENTAL AGENCY REQUIREMENTS, THE CONTRACTOR SHALL HAVE THE WATER MAIN WORK (ie. CUT, GATE VALVES & PIPE INSTALLATION) INSPECTED AND TESTED PER CURRENT ENVIRONMENTAL QUALITY PROCEDURES AND OBSERVED BY A DESIGNATED OWNERS INSPECTOR.

SEWER NOTES

1. UNLESS OTHERWISE NOTED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF SANTAQUIN AND UTAH COUNTY MASTER SPECIFICATION.
2. UNLESS OTHERWISE SPECIFIED, SANITARY SEWER PIPE SHALL BE PVC IN CONFORMANCE WITH ASTM D-3034, SDR 26. ALL SERVICES AND CONNECTIONS SHALL CONFORM TO THE CITY OF SANTAQUIN AND UTAH COUNTY MASTER SPECIFICATIONS.
3. ALL PIPES SHALL BE BEDDED WITH TYPE 1 BEDDING PER CURRENT MPWSS & ANY APPLICABLE CITY OF SANTAQUIN MODIFICATIONS.
4. PER CURRENT STATE OF UTAH ENVIRONMENTAL QUALITY REQUIREMENTS, THE CONTRACTOR SHALL HAVE THE SEWER WORK INSPECTED AND TESTED PER DEQ PROCEDURES AND OBSERVED BY A DESIGNATED OWNERS INSPECTOR. MANHOLE TESTING SHALL BE PERFORMED PRIOR TO FINAL SURFACE RESTORATION.
5. CONTRACTOR SHALL SUPPLY ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPES IN ACCORDANCE WITH CITY OF SANTAQUIN AND UTAH COUNTY MASTER SPECIFICATIONS. COST OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. SANITARY SEWER PIPE AND MANHOLES SHALL BE TESTED FOR LEAKAGE PER CURRENT CITY OF SANTAQUIN AND UTAH COUNTY MASTER SPECIFICATIONS.
7. AT THE DISCRETION OF THE ENGINEER, THE CONTRACTOR SHALL CONDUCT DEFLECTION TESTING OF SANITARY SEWER PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OF THE MANDREL SHALL BE 95% OF THE DESIGNED PIPE DIAMETER. TESTING SHALL BE CONDUCTED NO MORE THAN 7 DAYS AFTER THE TRENCH HAS BEEN BACKFILLED AND COMPACTED.
8. PRIOR TO MANDREL TESTING AND/OR TV INSPECTION, THE CONTRACTOR SHALL FLUSH AND CLEAN ALL SEWER PIPE AND MANHOLES.
9. CONTRACTOR SHALL FIELD VERIFY LINE AND GRADE OF ANY EXISTING AND PROPOSED UTILITY.

DRY UTILITY NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL "DRY" UTILITIES (ELECTRIC, GAS, TELEPHONE) WITH SERVICE PROVIDERS.
2. REFER TO ELECTRICAL PLANS FOR ADDITIONAL CONDUIT AND SITE LIGHTING REQUIREMENTS.
3. REFER TO LANDSCAPE PLANS FOR IRRIGATION CONDUIT.
4. THE CONTRACTOR IS RESPONSIBLE TO CALL 1-800-424-5555 (OR 811) AT LEAST 2 WORKING DAYS PRIOR TO ANY EARTH DISTURBING ACTIVITIES OR UTILITY EXCAVATIONS.

GENERAL NOTES

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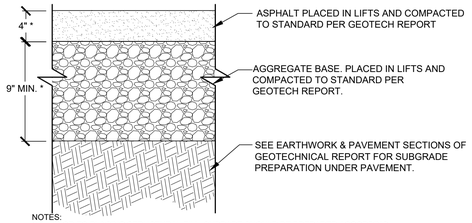
UTILITY PLAN

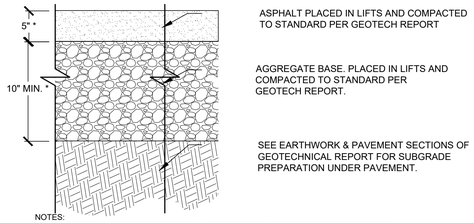
C300



NOTES:
1. PRIOR TO PLACING STRUCTURAL FILL, SUBRADE SHOULD BE PREPARED ACCORDING RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT. IF SOFT SOILS ARE ENCOUNTERED, THEY SHOULD BE REMOVED AND REPLACE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

*REFER TO *GEOTECHNICAL REPORT* FOR ALL MATERIAL THICKNESS UNLESS DIRECTED OTHERWISE BY OWNER.

1 ASPHALT PAVEMENT - LIGHT



NOTES:
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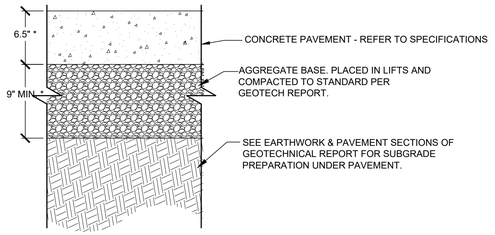
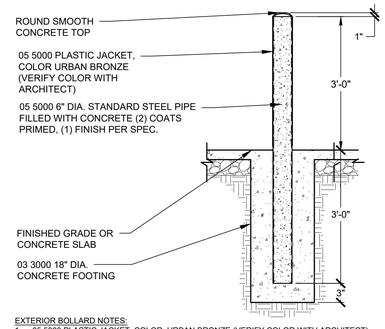
2 ASPHALT PAVEMENT - HEAVY



NOTES:
1. SEE C100 FOR FINISH & JOINTS
2. SUBGRADE SHOULD BE PREPARED ACCORDING RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT. IF SOFT SOILS ARE ENCOUNTERED, THEY SHOULD BE REMOVED AND REPLACE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

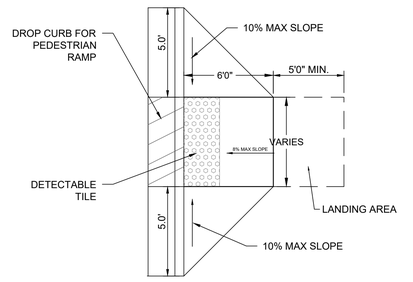
*REFER TO *GEOTECHNICAL REPORT* FOR ALL MATERIAL THICKNESS UNLESS DIRECTED OTHERWISE BY OWNER.

3 HEAVY DUTY CONCRETE PAVEMENT



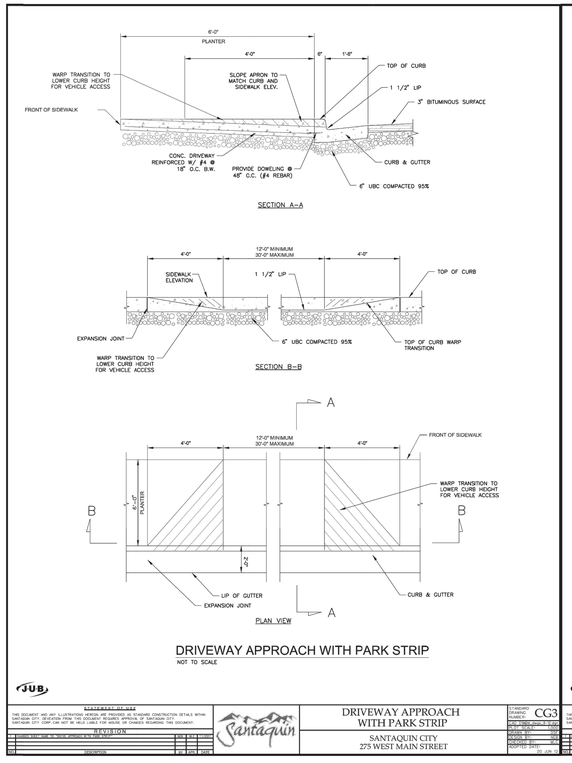
EXTERIOR BOLLARD NOTES:
1. 05 5000 PLASTIC JACKET, COLOR: URBAN BRONZE (VERIFY COLOR WITH ARCHITECT).
2. ROUND SMOOTH CONCRETE TOP
3. 05 5000 6" DIA. STANDARD STEEL PIPE FILLED WITH CONCRETE (2) COATS PRIMED
4. TO EXTEND 3'-0" ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE ON PLANS.

4 6" DIA. BOLLARD



NOTES:
1. A.D.A. RAMPS PER MPWSS. DETECTABLE TILE SHALL BE EAST JORDAN IRON WORKS CAST IRON WITH NATURAL FINISH
2. LANDING AREA SHALL HAVE NO SLOPES GREATER THAN 1/48 (APPROX. 2%). MINIMUM LENGTH 3.0'

5 CITY SIDEWALK RAMP



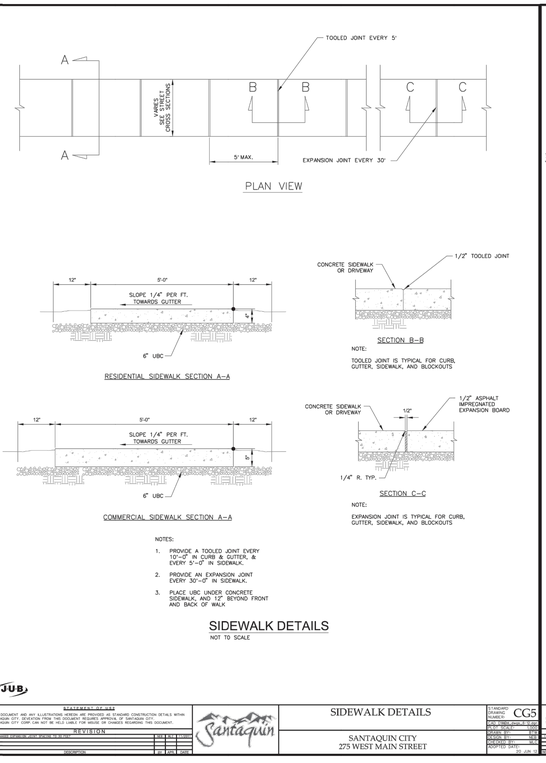
DRIVEWAY APPROACH WITH PARK STRIP
NOT TO SCALE

6 DRIVEWAY

NOTES:
1. CONTRACTION JOINTS SHALL BE PLACED AT 10' INTERVALS AND SHALL HAVE A MINIMUM DEPTH OF 3/4" AND MINIMUM WIDTH OF 1/8".
2. 1/2" EXPANSION JOINT MATERIAL SHALL BE PLACED AT ALL P.C.s, P.T.s, CURB RETURNS AND AT NOT MORE THAN 300' INTERVALS. THE EXPANSION MATERIAL SHALL EXTEND THROUGH THE FULL DEPTH OF THE CURB AND GUTTER.
3. NO CURB AND GUTTER SHALL BE PLACED WITHOUT A FINAL FORM INSPECTION BY THE ENGINEER OR HIS REPRESENTATIVE.
4. CONCRETE SHALL BE 3,000 PSI WITH AIR ENTRAINMENT

9 CURB & GUTTER (CATCH)

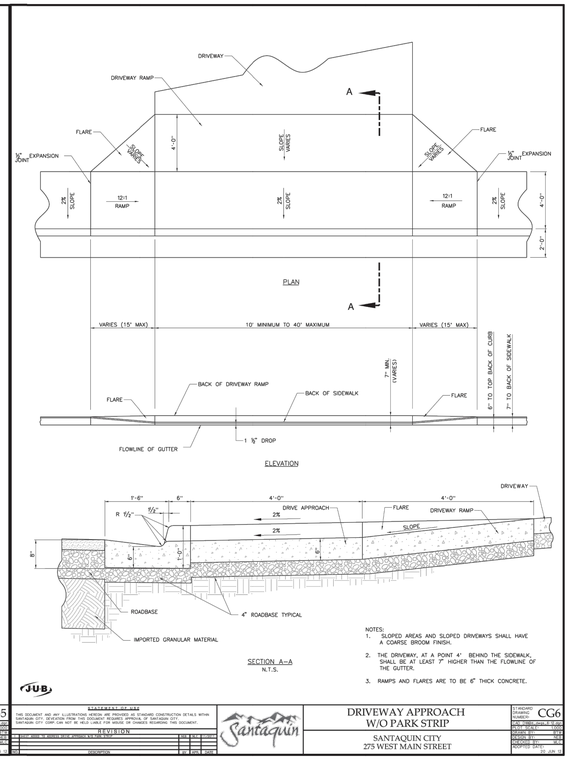
10 CURB & GUTTER (SPILL)



NOTES:
1. PROVIDE A TOOLED JOINT EVERY 10'-0" IN CURB & GUTTER, & EVERY 5'-0" IN SIDEWALK.
2. PROVIDE AN EXPANSION JOINT EVERY 30'-0" IN SIDEWALK.
3. PLACE UBC UNDER CONCRETE SIDEWALK, AND 12" BEYOND FRONT AND BACK OF WALK

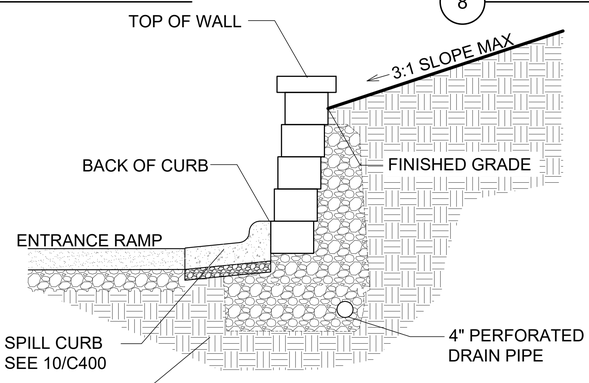
SIDEWALK DETAILS
NOT TO SCALE

7 SIDEWALK CONCRETE



NOTES:
1. SLOPED AREAS AND SLOPED DRIVEWAYS SHALL HAVE A COARSE BROOM FINISH.
2. THE DRIVEWAY, AT A POINT 4' BEHIND THE SIDEWALK, SHALL BE AT LEAST 7" HIGHER THAN THE FLOWLINE OF THE GUTTER.
3. RAMPS AND FLARES ARE TO BE 6" THICK CONCRETE.

8 COMMERCIAL DRIVEWAY



11 RETAINING WALL

Know what's below. Call before you dig.

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800.757.9522

Tires LES SCHWAB

98 N 500 E MAIN STREET
SANTAQUIN, UT 84655

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

PROFESSIONAL ENGINEER No. 12525877-2202 ADAM SCHLEGEL STATE OF UTAH
08/04/2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
REVISIONS
-

DETAIL SHEET

C400

8/4/2023 4:23 PM | L:\LesSchwab\New\LSUT_21SANTA\BIMCAD\Civil\Sheets\LSUT_21SANTA_C400.dwg

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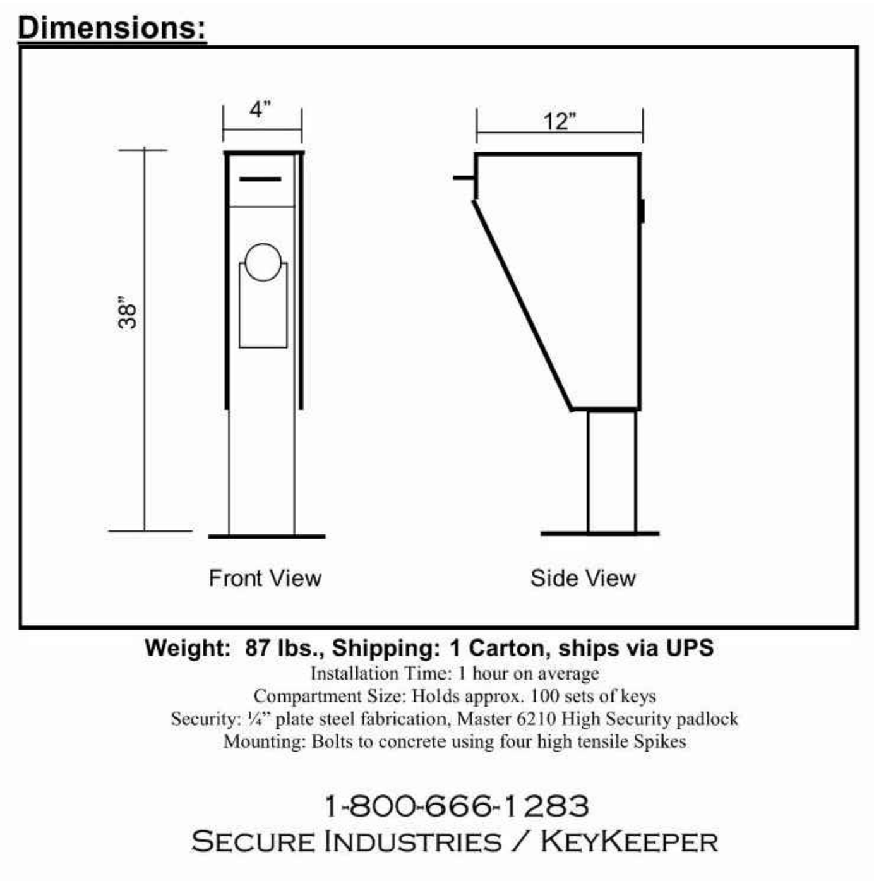


NOTE:
1. SEE SHEET A151 FOR MANUFACTURER, MAKE, AND MODEL INFORMATION.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. SEE SHEET A150 FOR LOCATION(S)

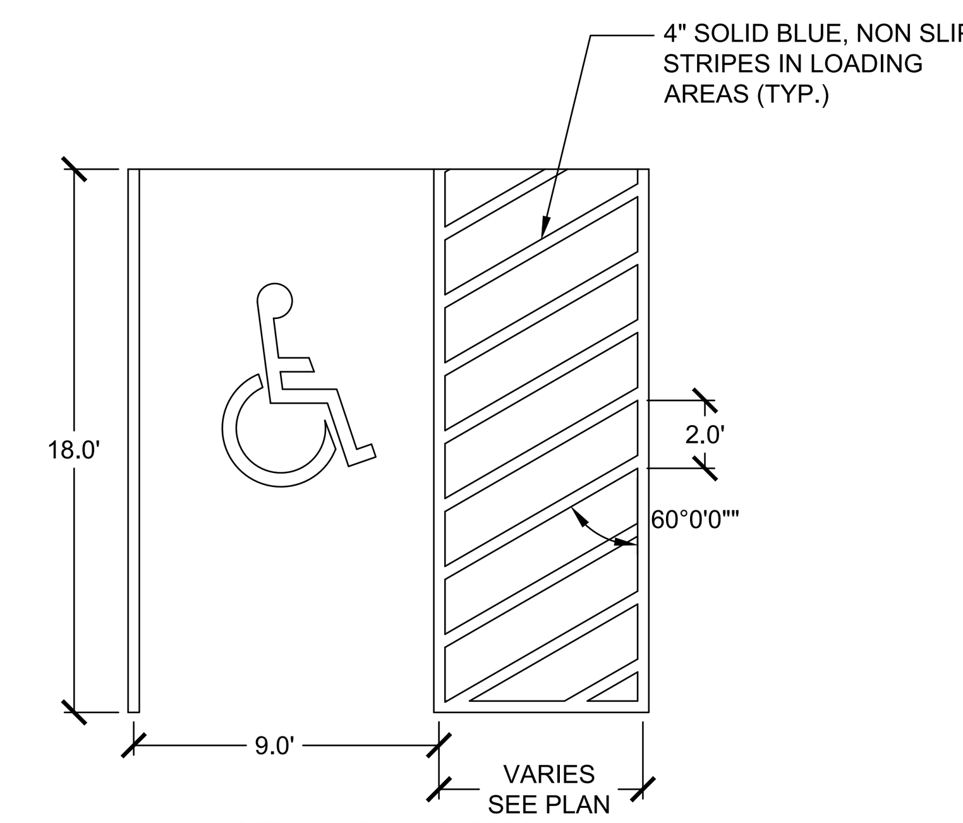
1 KEEYKEEPER WITH STAND

NOTE:
1. GLOBAL INDUSTRIAL: 6' OUTDOOR PARK BENCH WITH BLACK, STEEL SLAT, BLACK #T9F694854BK.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

2 BENCH

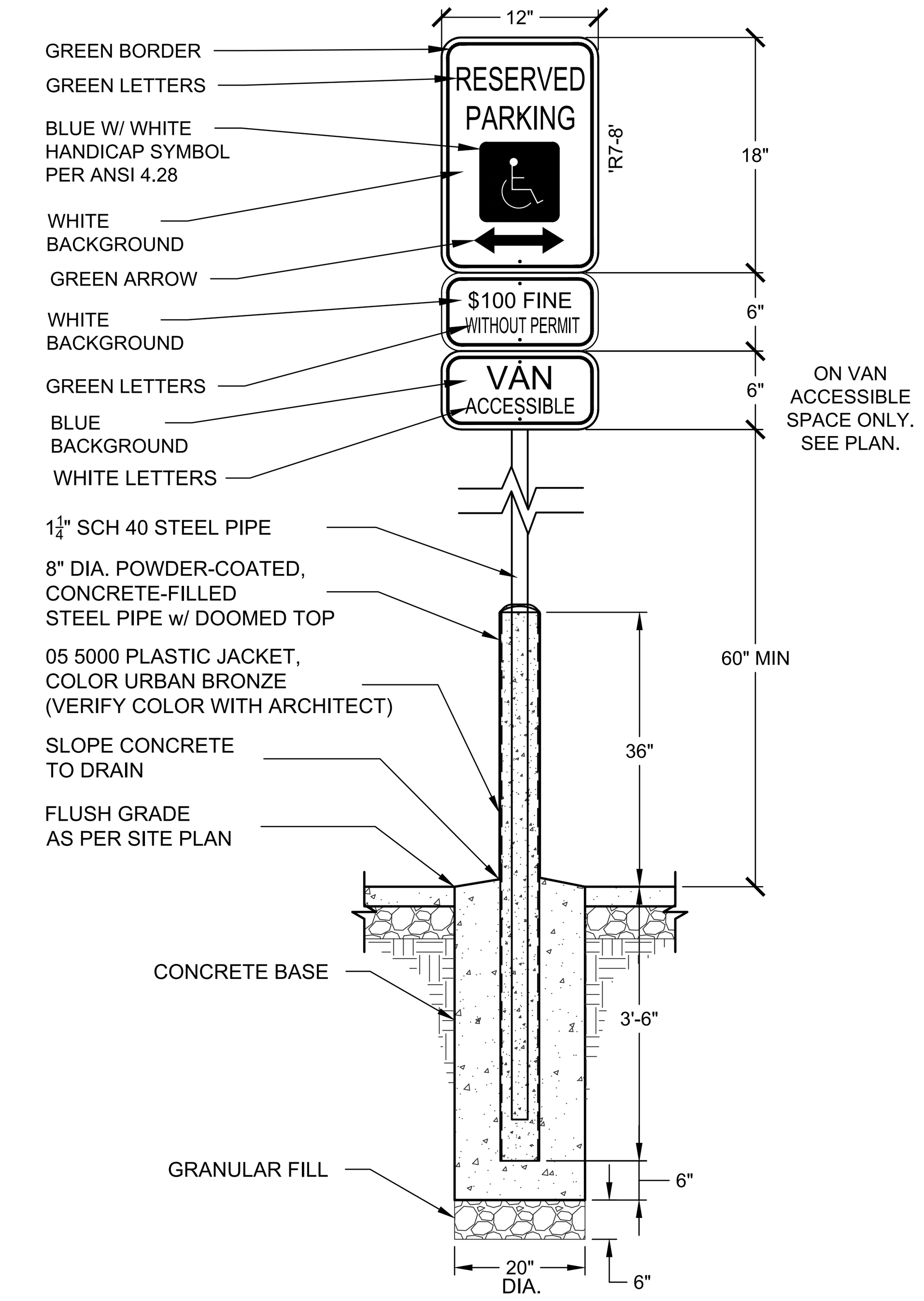
NOTE:
1. GLOBAL INDUSTRIAL: OUTDOOR SLATTED STEEL TRASH CAN WITH RAIN BONNET LID, 36 GALLON, BLACK #T9F260804BK.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3 TRASH RECEPTACLE



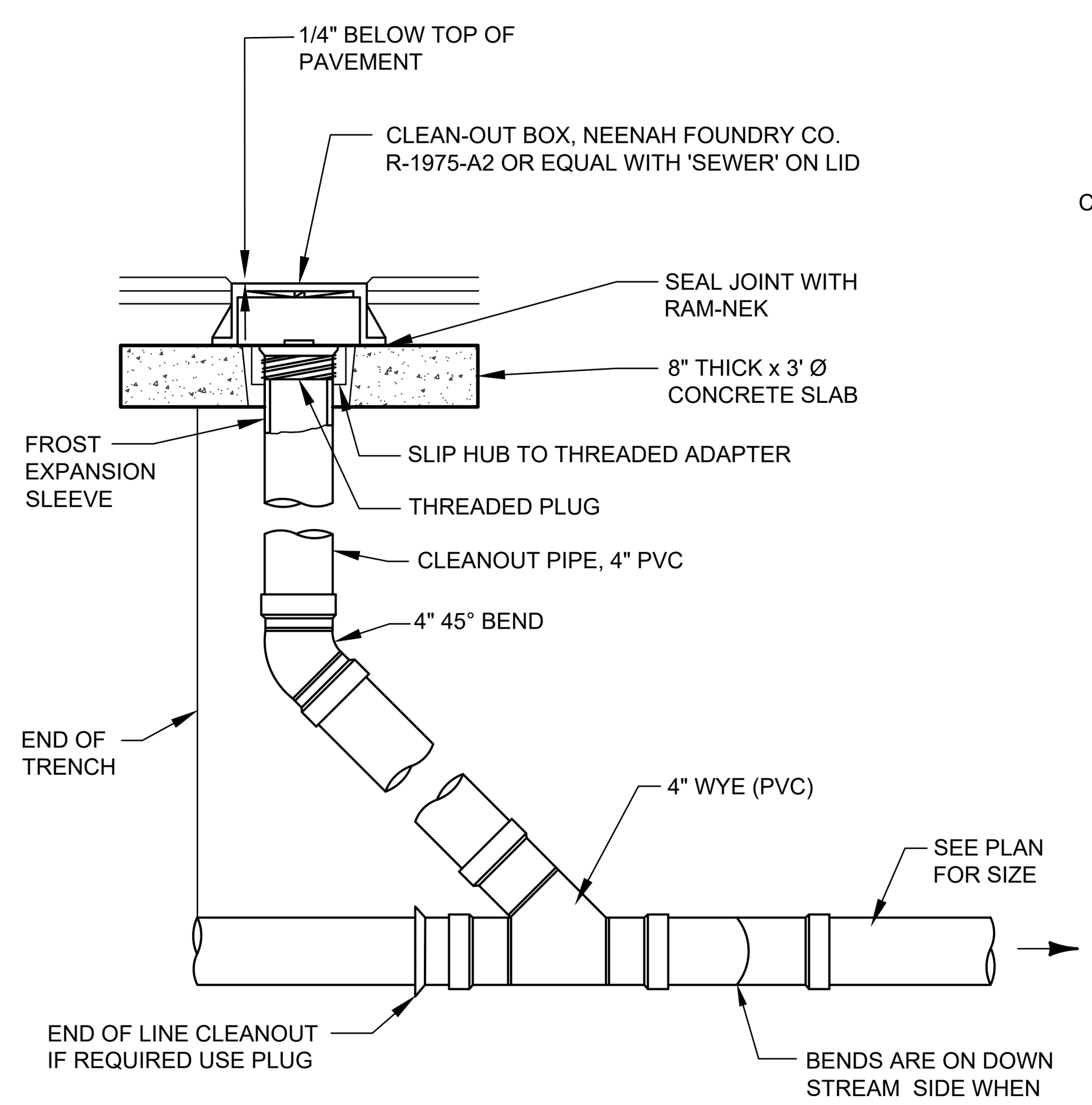
NOTE: MAXIMUM SLOPE IN ANY DIRECTION IS 2%

4 ACCESSIBLE PARKING STRIPING

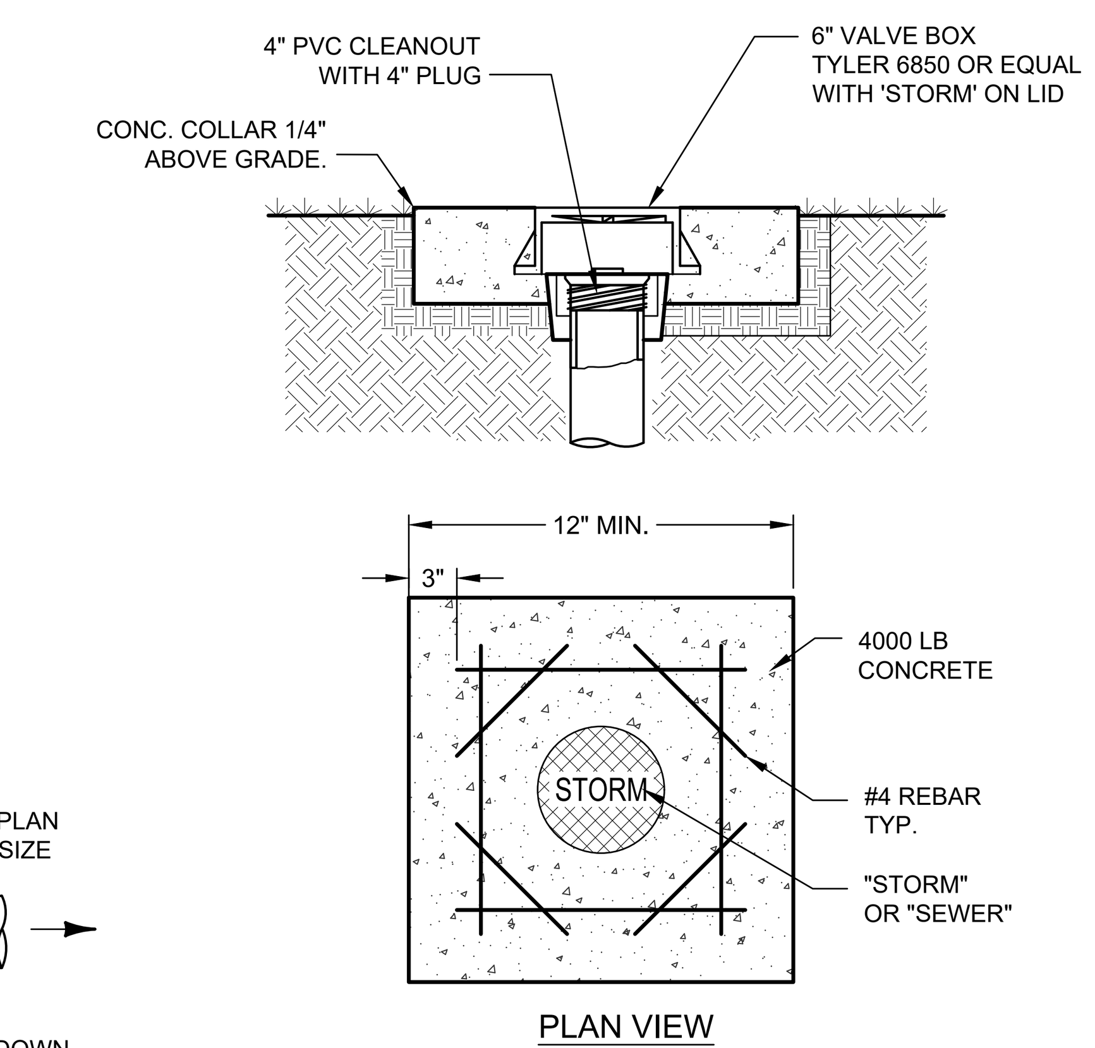


BOLLARD MOUNTED SIGNAGE

5 ADA SIGNAGE



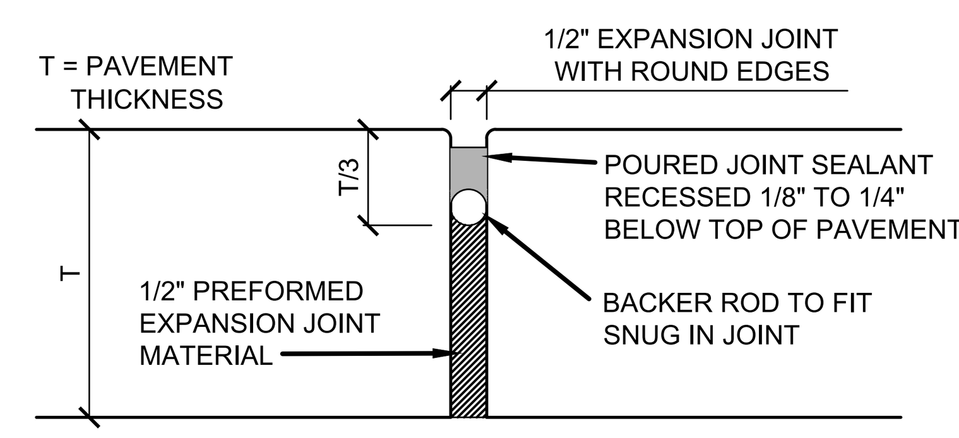
CLEANOUT IN PAVEMENT



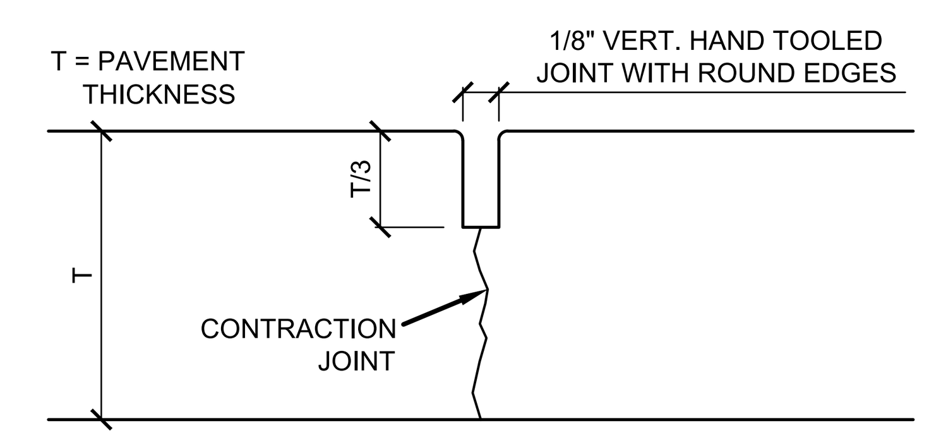
PLAN VIEW

CLEANOUT IN LANDSCAPING

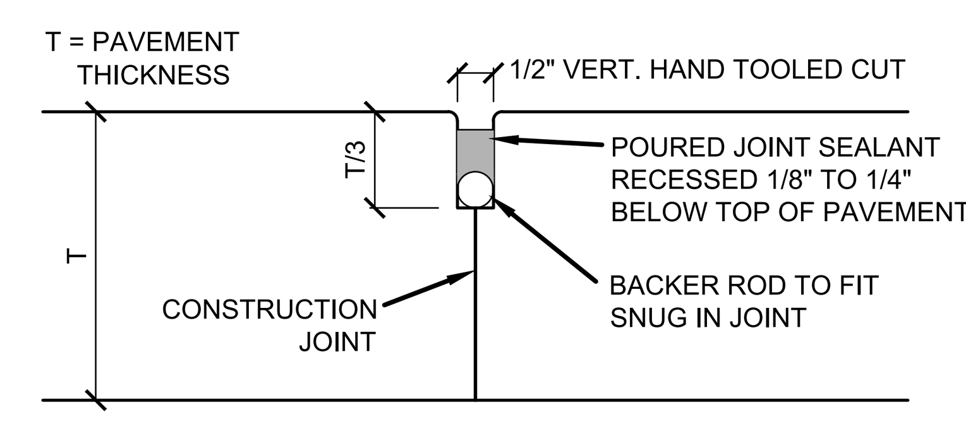
6 CLEANOUT



EXPANSION JOINT
(LOCATED 30' MAX AND WHERE PAVING AGAINST ANY EXISTING SIDEWALK AND/OR PAVEMENT)



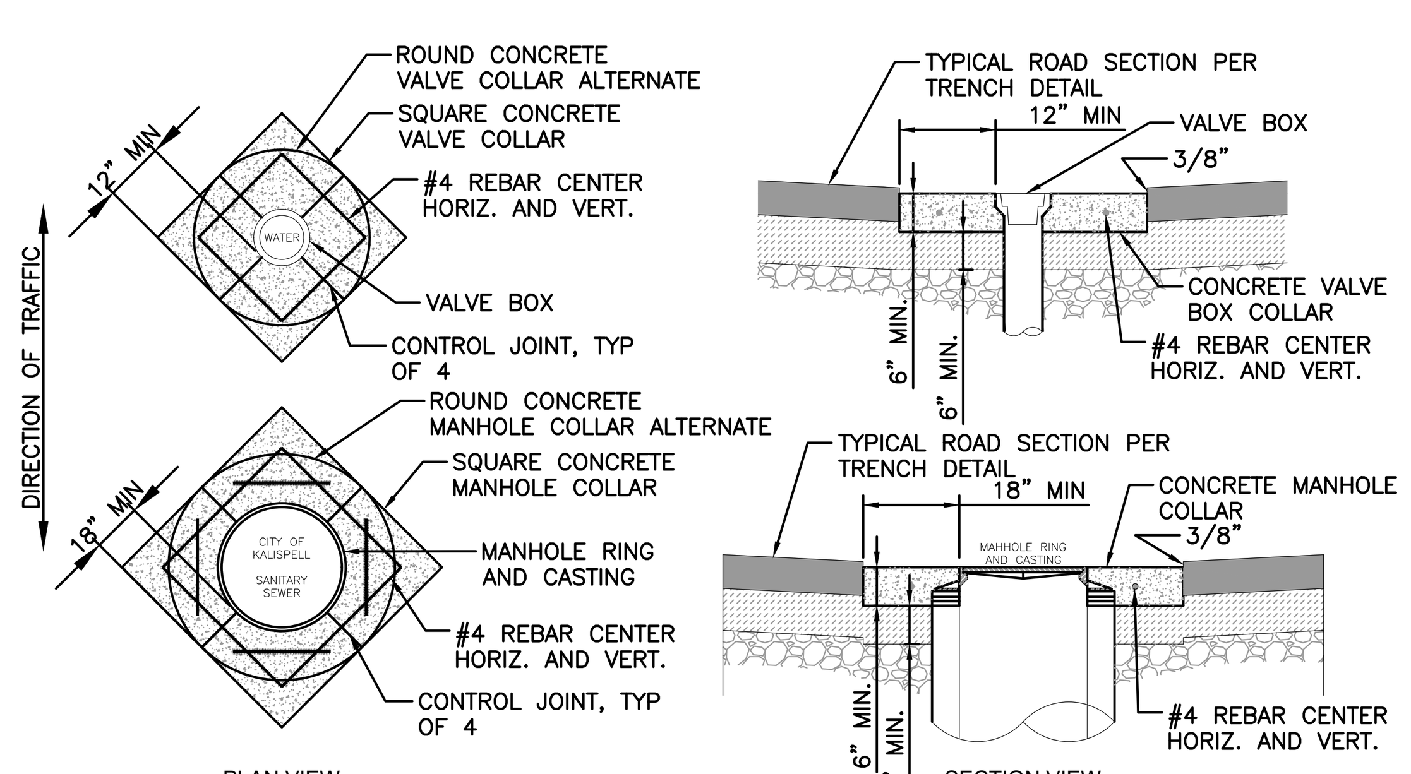
CONTRACTION JOINT
(MAX. 6' BETWEEN CONTRACTION JOINTS IN SIDEWALK)
(MAX. 10' BETWEEN CONTRACTION JOINTS IN CONC. PAVEMENT)



CONSTRUCTION JOINT

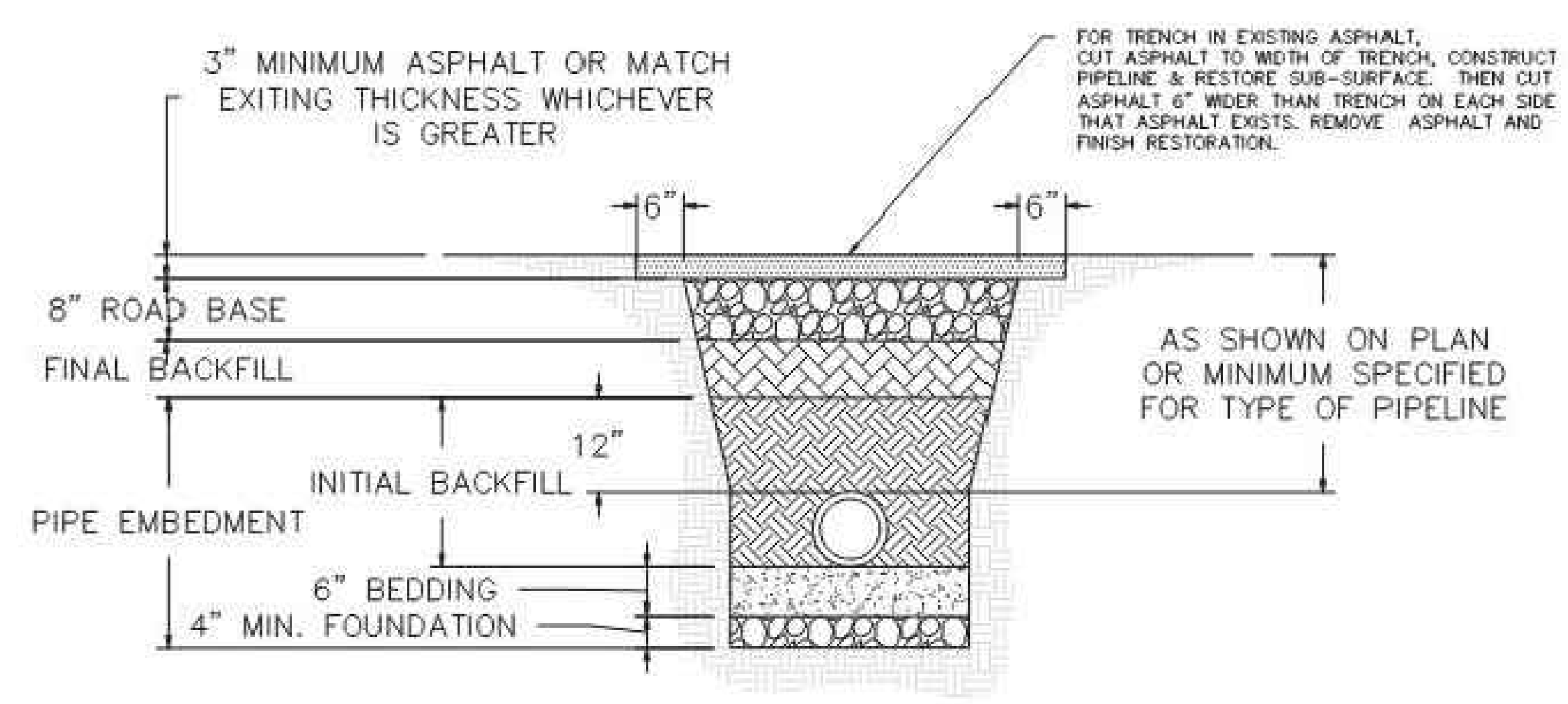
NOTE:
1. ALL CONCRETE SURFACE TO HAVE LIGHT BROOM FINISH.

7 CONCRETE EXPANSION AND CONTRACTION JOINTS



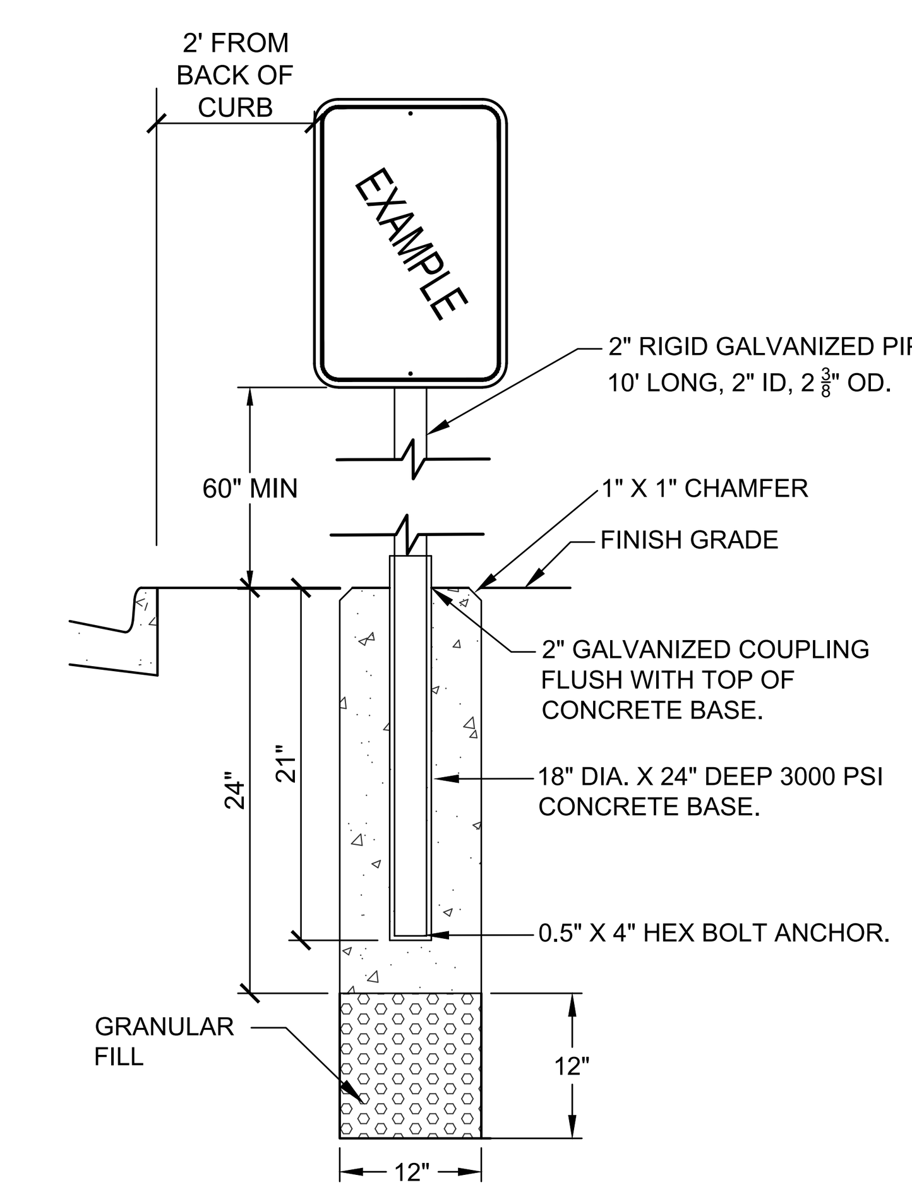
NOTE:
1. ALL VISIBLE EDGES AND JOINTS SHALL BE ROUNDED WITH A 1/4" RADIUS EDGING TOOL.
2. CONCRETE SHALL BE M-4000 WITH 3/4" MAX. AGGREGATE, MIN. 28 DAY STRENGTH OF 4000 PSI, 6% +/- 1.5% AIR ENTRAINMENT AND MAX SLUMP OF 4".
3. ALL JOINTS SHALL BE SAW CUT.

8 CONCRETE COLLARS DETAILS



ASPHALT SURFACE

9 TYPICAL UTILITY TRENCH SECTION DETAIL



NOTE:
1. ALL SIGN BLANKS SHALL BE 0.080 GAUGE FLAT MINIMUM STOCK.
2. STREET NAME HEIGHTS SHALL BE 9" HEIGHT. LENGTH SHALL BE DETERMINED BY STREET NAME.
3. STOP SIGN FACES SHALL BE 3M HIGH INTENSITY GRADE REFLECTIVE SHEETING OR APPROVED EQUAL.
4. STREET SIGN SHALL BE WHITE ON GREEN PRISMATIC SHEETING. MINIMUM LEVEL IV, ACCORDING TO MUTCD.
5. LETTERING SHALL BE 6" HIGH IN CAPITAL LETTERS, 4.5" LOWER CASE LETTERS FOR >40 MPH.
6. STOP SIGNS SHALL BE ATTACHED TO THE SIGN POST WITH A U-BOLT STYLE SIGN MOUNTING CLAMP.
7. STREET NAME SIGNS SHALL BE ATTACHED TO THE TOP OF THE SIGN POST WITH A ROUND CAP SIGH HOLDER WITH A 12" LONG MOUNTING BRACKET. A 12" LONG 90° CROSSPIECE SHALL BE USED FOR DUAL SIGN APPLICATIONS.

10 STOP SIGN & FOUNDATION

98 N 500 E MAIN STREET
SANTAQUIN, UT 84655
LES SCHWAB TIRE CENTER - SANTAQUIN, UT

PROFESSIONAL ENGINEER No. 12525877-2202 ADAM SCHLEGEL STATE OF UTAH 08.04.2023

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
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DETAIL SHEET

C401

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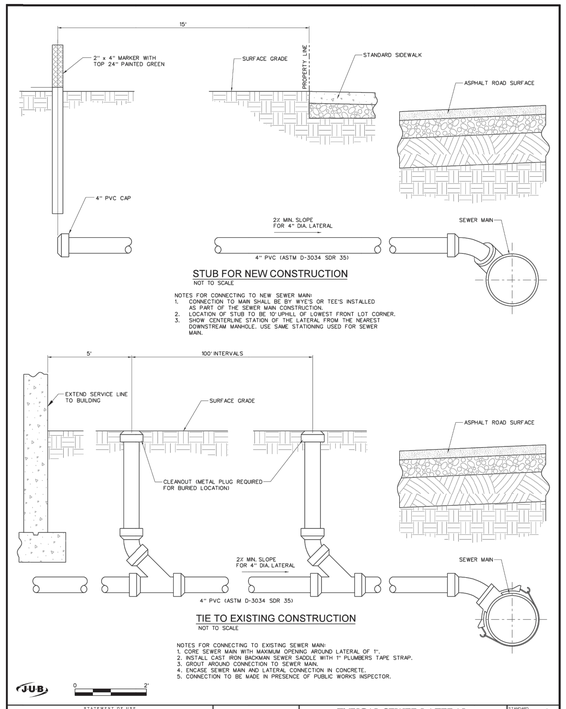
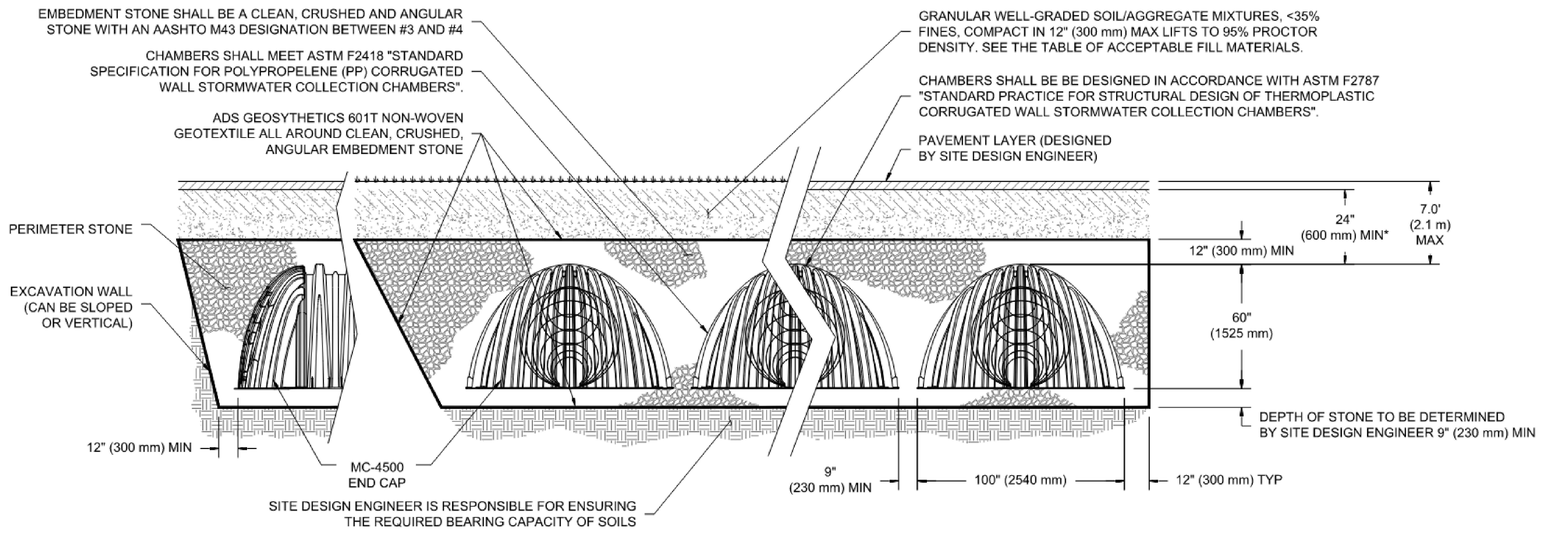


1 SEWER CONNECTION
NOT TO SCALE



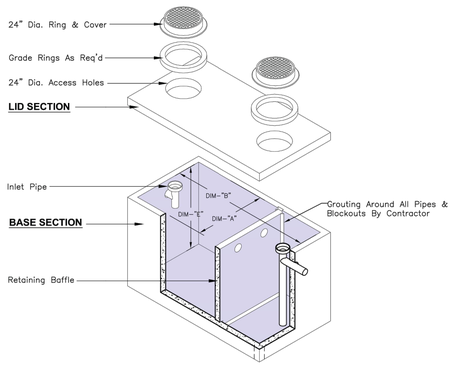
*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 30" (750 mm).

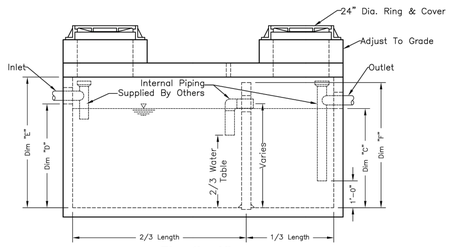
2 ADS MC-4500 INFILTRATION CHAMBER
NOT TO SCALE

Oldcastle Precast®

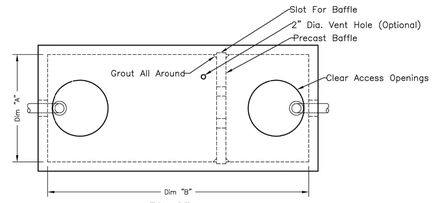
Water

Sand & Oil Interceptor
Model: SOI-Standard





Elevation View



Plan View

GALLON CAPACITY	MODEL No.	DIM "A"	DIM "B"	WATER DEPTH DIM "C"	DIM "D"	DIM "E"	DIM "T"	WEIGHT
320	463-SO	4'-0"	6'-0"	2'-0"	2'-2"	3'-0"	2'-10"	7,535
500	4113-SO	4'-0"	11'-0"	2'-0"	2'-2"	3'-0"	2'-10"	11,631
								14,031
1000	4145-SO	4'-0"	11'-0"	3'-3"	3'-5"	4'-6"	4'-4"	16,231
								16,431
1500	4116-SO	4'-0"	11'-0"	5'-0"	5'-2"	6'-0"	5'-10"	18,831
1800	4165-SO	4'-0"	11'-0"	5'-6"	5'-8"	6'-6"	6'-4"	20,031
1,000 GALLON SAND-OIL		6'-0"		6'-2"	7'-0"	6'-10"	21,231	
INTERCEPTOR. INTERCEPTOR		6'-6"		4'-6"	4'-8"	6'-0"	5'-10"	24,529
TO BE TRAFFIC RATED (H-20). CONTRACTOR		6'-6"		5'-6"	5'-8"	7'-0"	6'-10"	27,454
TO PROVIDE SHOP DRAWING FOR APPROVAL.		6'-6"		3'-8"	3'-10"	5'-0"	4'-10"	29,521
5000	11179-SO	11'-0"	17'-0"	3'-8"	3'-10"	5'-0"	4'-10"	37,702
5500	11176-SO	11'-0"	17'-0"	4'-0"	4'-2"	5'-9"	5'-7"	40,964
6000	11195-SO	11'-0"	19'-0"	4'-0"	4'-2"	5'-9"	5'-7"	44,462
7000	11225-SO	11'-0"	22'-0"	4'-0"	4'-2"	5'-9"	5'-7"	45,883
8000	11226-SO	11'-0"	22'-0"	4'-6"	4'-8"	5'-9"	5'-7"	49,708
9000	11276-SO	11'-0"	27'-0"	4'-0"	4'-2"	5'-9"	5'-7"	58,451
10000	11296-SO	11'-0"	29'-0"	4'-6"	4'-8"	5'-9"	5'-7"	61,949
11000	11348-SO	11'-0"	34'-0"	4'-0"	4'-2"	5'-9"	5'-7"	70,692

Great Plains West Region

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W-WT-5

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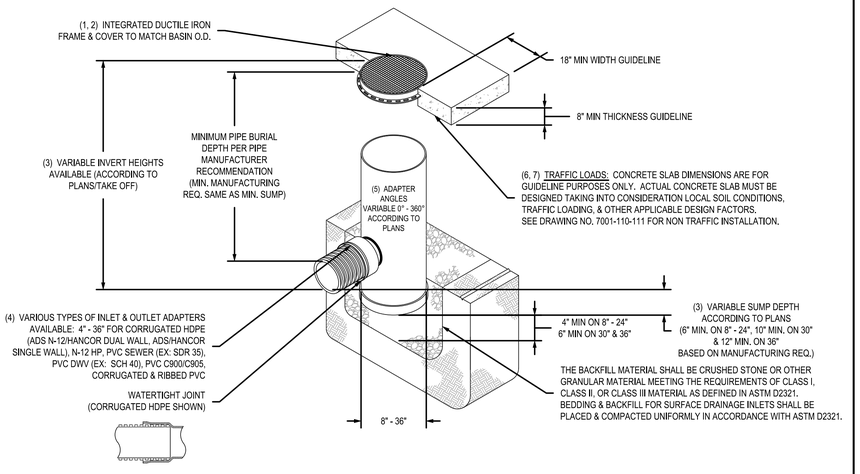
3 SAND OIL SEPARATOR
NOT TO SCALE

NYLOPLAST DRAIN BASIN WITH SOLID COVER



1 - 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8" & 10" SOLID COVERS FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6 - 12" - 30" SOLID COVERS SHALL MEET H-20 LOAD RATING.
7 - 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

DRAWN BY	EBC	MATERIAL	
DATE	09-14-07		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	06-12-18		
DWG SIZE	A	SCALE 1:40	SHEET 1 OF 1

ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplastus.com

TITLE
DRAIN BASIN WITH SOLID COVER
QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-298 REV E

4 36" NYLOPLAST BASIN

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Les Schwab

LES SCHWAB TIRE CENTER - SANTAQUIN, UT
98 N 500 E MAIN STREET
SANTAQUIN, UT 84655

PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
08/04/2023

PERMIT SET

2023.08.04
PROJECT #LSUT_21SANTA
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-

DETAIL SHEET

C402

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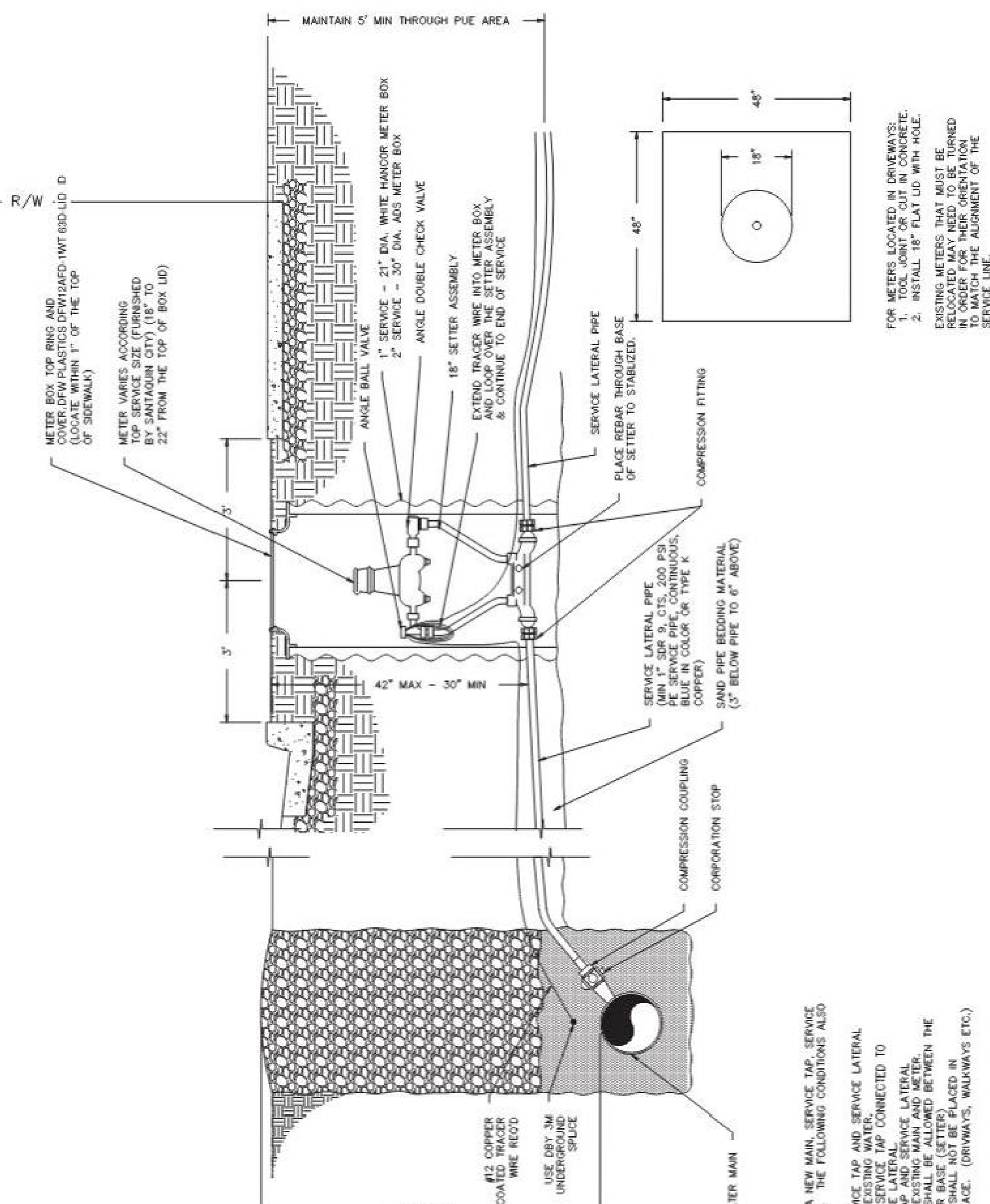
Tires LES SCHWAB

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

98 N 500 E MAIN STREET
SANTAQUIN, UT 84655



FOR METERS LOCATED IN DRIVEWAYS:
1. TOOL JOINT OR CUT IN CONCRETE.
2. INSTALL 18" FLAT LID WITH HOLE.

EXISTING METERS THAT MUST BE RELOCATED MAY NEED TO BE TURNED IN ORDER FOR THEIR ORIENTATION TO MATCH THE ALIGNMENT OF THE SERVICE LINE.

NOTES:
THIS DETAIL SHOWS A NEW MAIN, SERVICE TAP, SERVICE LATERAL AND METER. THE FOLLOWING CONDITIONS ALSO APPLY:
A. NEW MAIN, SERVICE TAP AND SERVICE LATERAL CONNECTED TO EXISTING WATER.
B. NEW MAIN AND SERVICE TAP CONNECTED TO EXISTING SERVICE LATERAL.
C. NEW SERVICE TAP AND SERVICE LATERAL CONNECTED TO EXISTING MAIN AND METER.
D. NO COUPLINGS SHALL BE ALLOWED BETWEEN THE MAIN AND METER BASE (SETTER).
E. WATER METERS SHALL NOT BE PLACED IN CONCRETE SURFACE. (DRIVEWAYS, WALKWAYS ETC.)

CULINARY WATER SERVICE CONNECTION

STATEMENT OF USE:
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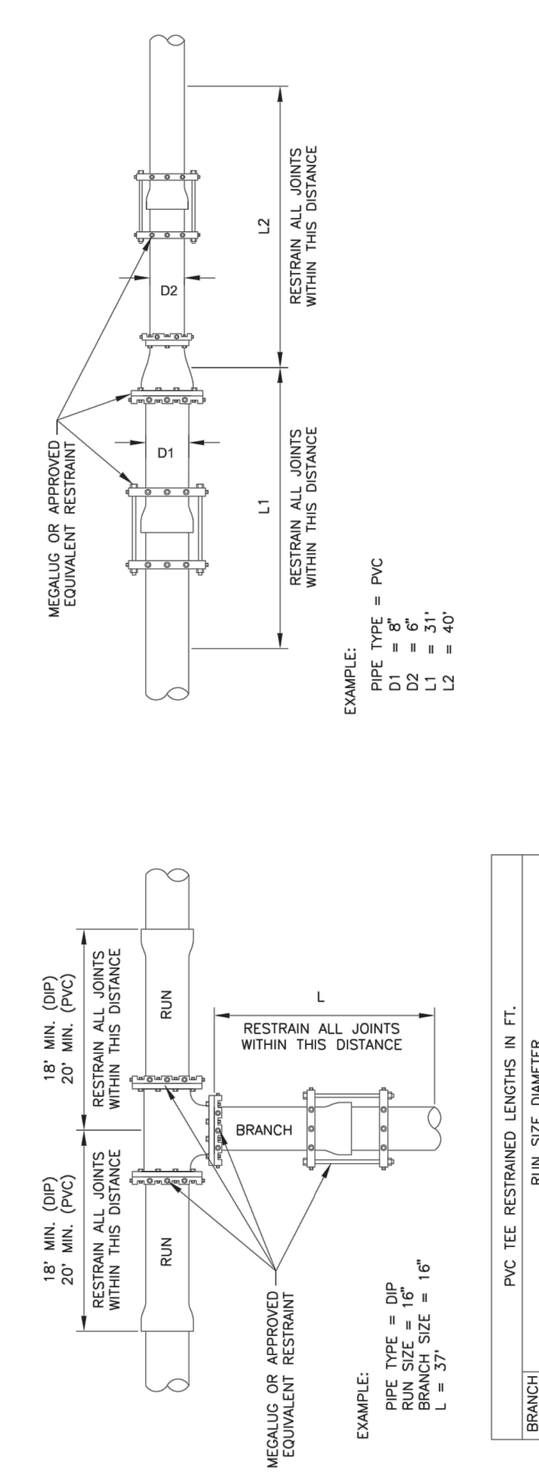
REVISION

Santaquin

CULINARY WATER SERVICE CONNECTION
SANTAQUIN CITY
275 WEST MAIN STREET

W1
ADOPTED DATE: 19 – OCT – 16

1 WATER SERVICE CONNECTION
NOT TO SCALE



PVC REDUCER RESTRAINED LENGTHS IN FT. (SMALL SIDE/LARGE SIDE)

D2 \ D1	6	8	10	12	14	16	18	20	24
4	42/29	100/52	171/71	258/90	*	*	*	*	*
6		40/31	88/54	147/75	217/95	297/113	*	*	*
8			37/29	82/55	135/77	197/98	266/117	*	*
10				36/30	79/56	128/80	183/100	244/120	*
12					36/30	77/57	123/80	174/102	293/142
14						35/30	74/57	118/81	219/124
16							34/30	73/57	161/104
18								34/30	111/82
20									70/57

NOTES:
1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

DIP REDUCER RESTRAINED LENGTHS IN FT. (SMALL SIDE/LARGE SIDE)

D2 \ D1	6	8	10	12	14	16	18	20	24
4	27/18	65/34	110/46	166/58	*	*	*	*	*
6		26/20	57/35	95/48	140/61	192/73	*	*	*
8			24/19	53/35	87/50	127/63	171/75	*	*
10				23/20	51/36	82/51	118/64	158/77	*
12					23/20	49/37	79/52	112/66	188/91
14						22/20	48/37	76/52	141/80
16							22/19	47/37	103/67
18								22/19	72/53
20									45/37

NOTES:
1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

PVC TEE RESTRAINED LENGTHS IN FT.

BRANCH SIZE DIA.	RUN SIZE DIAMETER 4	6	8	10	12	14	16	18	20	24
4	*	*	*	*	*	*	*	*	*	*
6		*	*	*	*	*	*	*	*	*
8			*	*	*	*	*	*	*	*
10				10	*	*	*	*	*	*
12					28	12	4	*	*	*
14						45	31	17	3	*
16							62	49	37	11
18								78	67	44
20									95	74
24										127

* = FOR THIS CONDITION NEED ONLY RESTRAIN THE OUTLETS OF TEE

NOTES:
1. RESTRAIN THE THREE MECHANICAL JOINTS ON THE TEE.
2. ALL JOINTS WITHIN THE "L" DISTANCE ON THE BRANCH SIDE OF TEE SHALL BE RESTRAINED AND ALL JOINTS WITHIN 20' ON THE RUN SIDE OF THE TEE SHALL BE RESTRAINED.

DIP TEE RESTRAINED LENGTHS IN FT.

BRANCH SIZE DIA.	RUN SIZE DIAMETER 4	6	8	10	12	14	16	18	20	24
4	*	*	*	*	*	*	*	*	*	*
6		*	*	*	*	*	*	*	*	*
8			*	*	*	*	*	*	*	*
10				10	2	*	*	*	*	*
12					19	12	4	*	*	*
14						28	22	15	8	*
16							37	31	26	13
18								46	41	30
20									55	45
24										72

* = FOR THIS CONDITION NEED ONLY RESTRAIN THE OUTLETS OF TEE

NOTES:
1. RESTRAIN THE THREE MECHANICAL JOINTS ON THE TEE.
2. ALL JOINTS WITHIN THE "L" DISTANCE ON THE BRANCH SIDE OF TEE SHALL BE RESTRAINED AND ALL JOINTS WITHIN 18' ON THE RUN SIDE OF THE TEE SHALL BE RESTRAINED.

NOTE:
1. THRUST BLOCKS NOT SHOWN FOR CLARITY

BASED ON:
TEST PRESSURE: 200 PSI
SOIL TYPE: GM – SILTY GRAVEL, GRAVEL–SAND–SILT MIXTURE
BURIAL DEPTH: 4 FT.
TRENCH TYPE: 5 – PIPE BEDDED IN COMPACTED GRANULAR MATERIAL TO THE CENTER LINE OF PIPE, 4" MIN. UNDER PIPE.
COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE. (APPROX. 95% OF MODIFIED PROCTOR, AASHTO T-180).
SAFETY FACTOR: 1.5
* CALCULATIONS DERIVED FROM EBAA IRON SALES

MEGALUG RESTRAINING SYSTEM DETAILS
NOT TO SCALE

JUB

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REVISION

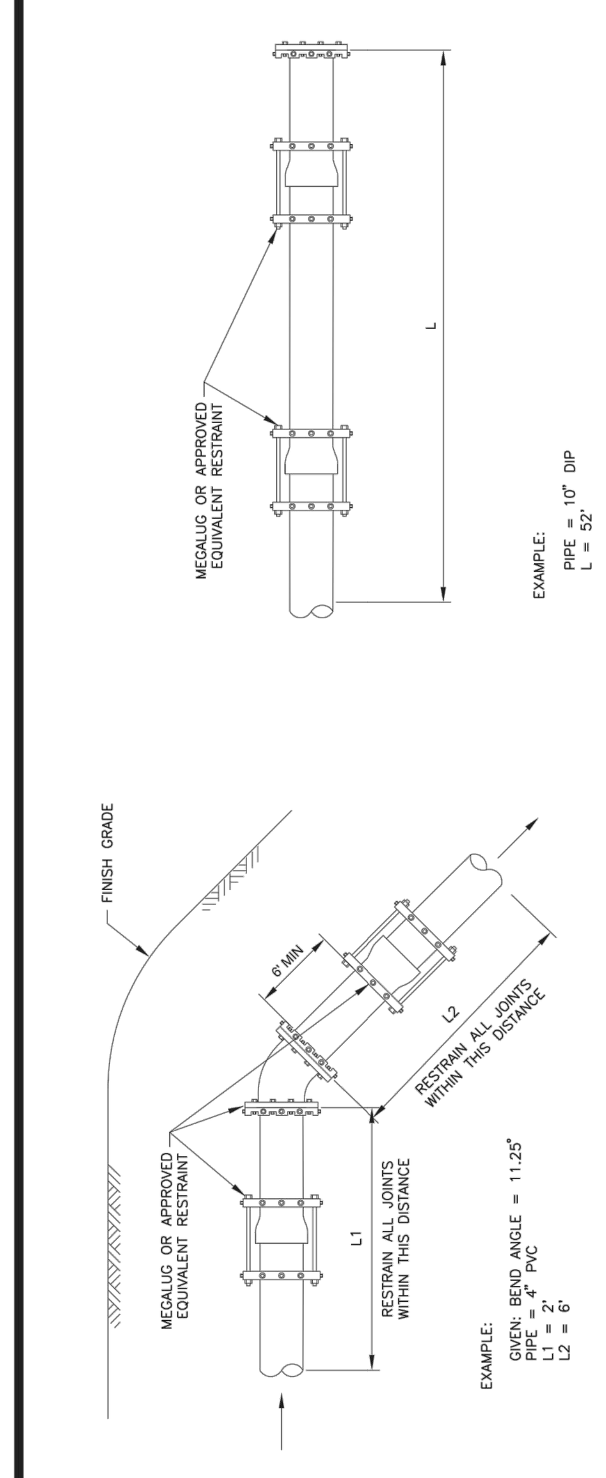
NO.	DESCRIPTION	BY	APR.	DATE
1	ADDED NOTE THAT THRUST BLOCKS ARE NOT SHOWN FOR CLARITY	NEB	MLC	11/2011

Santaquin

MEGALUG RESTRAINING SYSTEM DETAILS
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: W5
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: NEB
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12

2 MEGALUG RESTRAINING SYSTEM
NOT TO SCALE



NOTE:
1. THRUST BLOCKS NOT SHOWN FOR CLARITY

PVC DEAD END RESTRAINED LENGTHS IN FT.

PIPE SIZE 4	6	8	10	12	14	16	18	20
44	62	82	99	118	135	153	169	187

NOTES:
1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

DIP DEAD END RESTRAINED LENGTHS IN FT.

PIPE SIZE 4	6	8	10	12	14	16	18	20
23	33	45	52	62	71	80	89	98

NOTES:
1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

PVC VERTICAL BEND RESTRAINED LENGTHS IN FT. (L1 –BEFORE CONNECTION/L2 –AFTER CONNECTION)

BEND ANGLE	PIPE SIZE 4	6	8	10	12	14	16	18	20
11.25	2/6	3/8	4/10	4/12	5/14	6/15	7/17	7/17	8/20
22.5	4/11	6/15	7/19	9/23	10/27	12/31	13/35	15/40	16/40
45	8/23	12/31	15/40	18/48	21/56	24/64	28/72	30/80	33/80

CALCULATIONS BASED ON THE ELEVATION OF THE PIPE REMAINING CONSTANT WITH THE CONTOUR OF THE GROUND.

DIP VERTICAL BEND RESTRAINED LENGTHS IN FT. (L1 –BEFORE CONNECTION/L2 –AFTER CONNECTION)

BEND ANGLE	PIPE SIZE 4	6	8	10	12	14	16	20
11.25	3/3	2/5	3/7	3/8	4/8	4/10	5/11	6/13
22.5	3/6	4/10	7/11	7/14	8/16	9/18	10/22	12/25
45	6/14	9/18	12/24	14/28	16/33	19/38	21/43	26/53

CALCULATIONS BASED ON THE ELEVATION OF THE PIPE REMAINING CONSTANT WITH THE CONTOUR OF THE GROUND.

BASED ON:
TEST PRESSURE: 200 PSI
SOIL TYPE: GM – SILTY GRAVEL, GRAVEL–SAND–SILT MIXTURE
BURIAL DEPTH: 4 FT.
TRENCH TYPE: 5 – PIPE BEDDED IN COMPACTED GRANULAR MATERIAL TO THE CENTER LINE OF PIPE, 4" MIN. UNDER PIPE.
COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE. (APPROX. 95% OF MODIFIED PROCTOR, AASHTO T-180)
SAFETY FACTOR: 1.5
* CALCULATIONS DERIVED FROM EBAA IRON SALES

MEGALUG RESTRAINING SYSTEM DETAILS
NOT TO SCALE

JUB

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REVISION

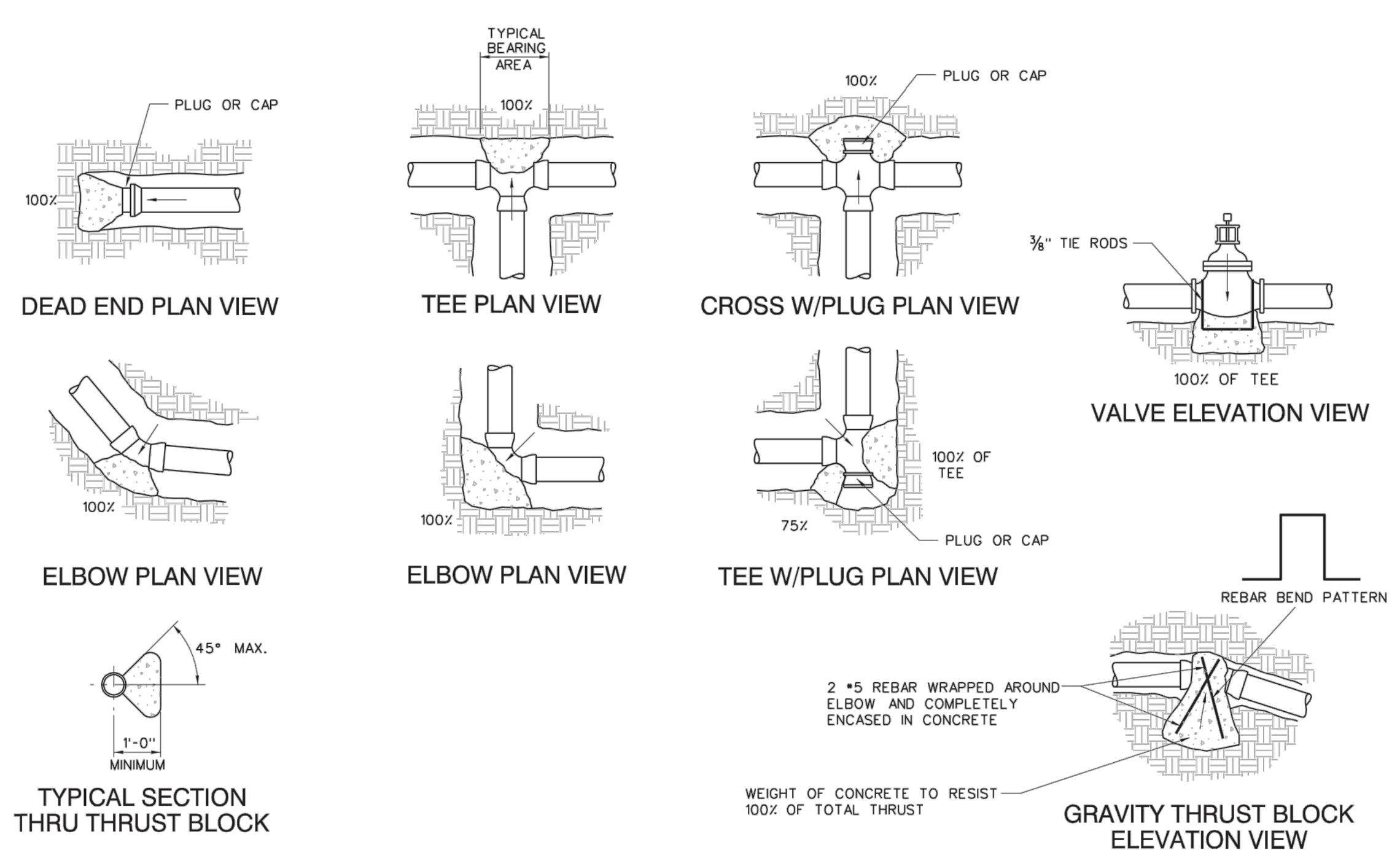
NO.	DESCRIPTION	BY	APR.	DATE
1	ADDED NOTE THAT THRUST BLOCKS ARE NOT SHOWN FOR CLARITY	NEB	MLC	11/2011

Santaquin

MEGALUG RESTRAINING SYSTEM DETAILS
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: W6
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: NEB
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12

3 MEGALUG RESTRAINING SYSTEM
NOT TO SCALE



NOTES:
1. THE FIGURE (100%) AT THE THRUST BLOCK INDICATES PERCENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
2. THE ARROW (——►) INDICATES THRUST DIRECTION.
3. CONCRETE FOR THRUST BLOCKS TO BE 3000 P.S.I..
4. ALL MJ AND FLANGED FITTINGS TO BE WRAPPED WITH 12 MIL POLYETHYLENE PRIOR TO PLACING CONCRETE THRUST BLOCK
5. CONCRETE THRUST BLOCKS AND MEGALUG THRUST RESTRAINING GLANDS MUST BE INSTALLED ON ALL FITTINGS (MEGALUGS NOT SHOWN FOR CLARITY).
6. INSTALL MEGALUG THRUST RESTRAINING GLANDS PER MANUFACTURER'S RECOMMENDATION.
7. ANY CHANGE TO THE THRUST BEARING CHART MUST BE REVIEWED BY THE ENGINEER.

TABLE 1

Use when line pressure and soil bearing strength are known.

Line Pressure: ________ psi
Test Pressure (Sf = 1.5): ________ psi
Soil Bearing Strength: ________ psf
(Soil Bearing Strength determined from a geotechnical investigation.)

Side Thrust (lbs.) per 1 psi line pressure

Pipe Size (")	Pipe Area* (sq.in.)	Dead End or Tee (lbs.)	90° Bend (lbs.)	45° Bend (lbs.)	22.5° Bend (lbs.)	11.25° Bend (lbs.)
4	14.39	22	31	17	9	5
6	32.17	49	69	37	19	10
8	56.88	86	121	66	34	17
10	86.92	131	185	100	51	26
12	124.29	187	264	143	73	37
14	168.33	253	358	194	99	50
16	219.56	330	466	253	129	65
18	277.59	417	589	319	163	82
20	342.41	514	727	394	201	101
24	490.09	736	1,040	563	287	145
30	757.69	1,137	1,608	870	444	223

TABLE 2

Use when line pressure and soil bearing strength are not known.

Line Pressure: 120 psi
Test Pressure (Sf = 1.5): 180 psi
Soil Bearing Strength: 1,500 psf

Area of Bearing Required (sq.ft.)

Pipe Size (")	Pipe Area* (sq.in.)	Dead End or Tee (sq.ft.)	90° Bend (sq.ft.)	45° Bend (sq.ft.)	22.5° Bend (sq.ft.)	11.25° Bend (sq.ft.)
4	14.39	1.7	2.4	1.3	0.7	0.3
6	32.17	3.9	5.5	3.0	1.5	0.8
8	56.88	6.8	9.7	5.2	2.7	1.3
10	86.92	10.4	14.8	8.0	4.1	2.0
12	124.29	14.9	21.1	11.4	5.8	2.9
14	168.33	20.2	28.6	15.5	7.9	4.0
16	219.56	26.3	37.3	20.2	10.3	5.2
18	277.59	33.3	47.1	25.5	13.0	6.5
20	342.41	41.1	58.1	31.4	16.0	8.1
24	490.09	58.8	83.2	45.0	22.9	11.5
30	757.69	90.9	128.6	69.6	35.5	17.8

Example for Table 1:
8-inch 90° bend
Line Pressure = 100 psi
From Table: Thrust per 1 psi = 121 lbs.
Calculate Total Thrust: 100 psi x 121lbs/psi = 12,100 lbs
Soil Bearing Strength = 2,000 psf
Area of bearing required for thrust block is 6.1 sq. ft. (12,100 lbs / 2,000 psf = 6.1 sq.ft.)

* Pipe area is based on largest actual inside diameter of ductile iron pipe.

JUB 0 4'

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REVISION

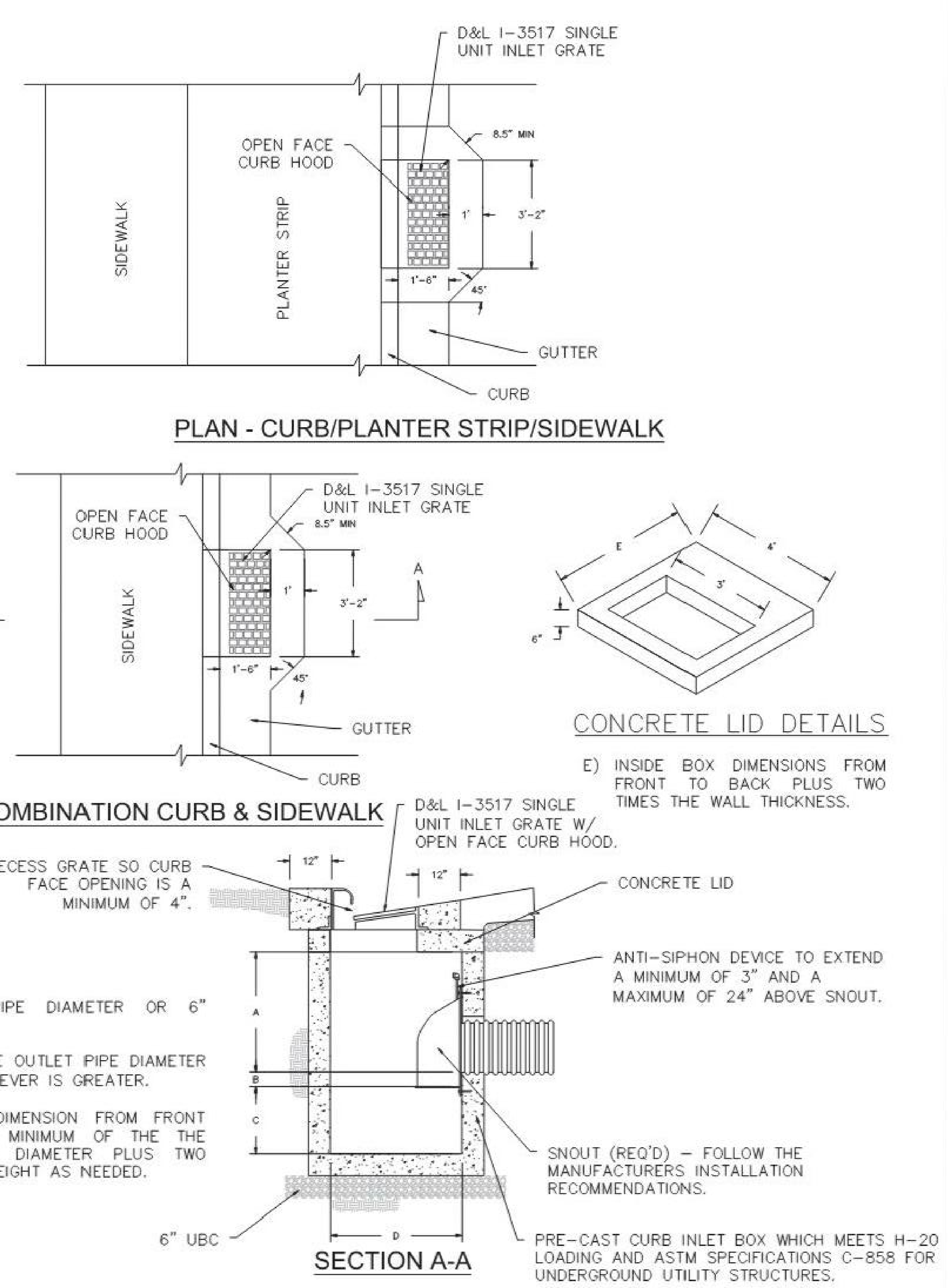
NO.	DESCRIPTION	BY	APR.	DATE
1	CHANGED NOTE 5 TO REQUIRE MEGALUGS AND THRUST BLOCKS ON ALL FITTINGS & THAT, FOR CLARITY, MEGALUGS ARE NOT SHOWN & MINOR NOTE CHANGES	NEB	MLC	11/2011

Santaquin

THRUST BLOCK DETAILS
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: UT4
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: NEB
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12

5 THRUST BLOCK
NOT TO SCALE



NOTES:
A) 24" MINIMUM.
B) ½ OUTLET PIPE DIAMETER OR 6" MINIMUM.
C) 2.5 TIMES THE OUTLET PIPE DIAMETER OR 36" WHICHEVER IS GREATER.
D) INSIDE BOX DIMENSION FROM FRONT TO BACK IS MINIMUM OF THE THE OUTLET PIPE DIAMETER PLUS TWO FEET. BOX HEIGHT AS NEEDED.
E) INSIDE BOX DIMENSIONS FROM FRONT TO BACK PLUS TWO TIMES THE WALL THICKNESS.

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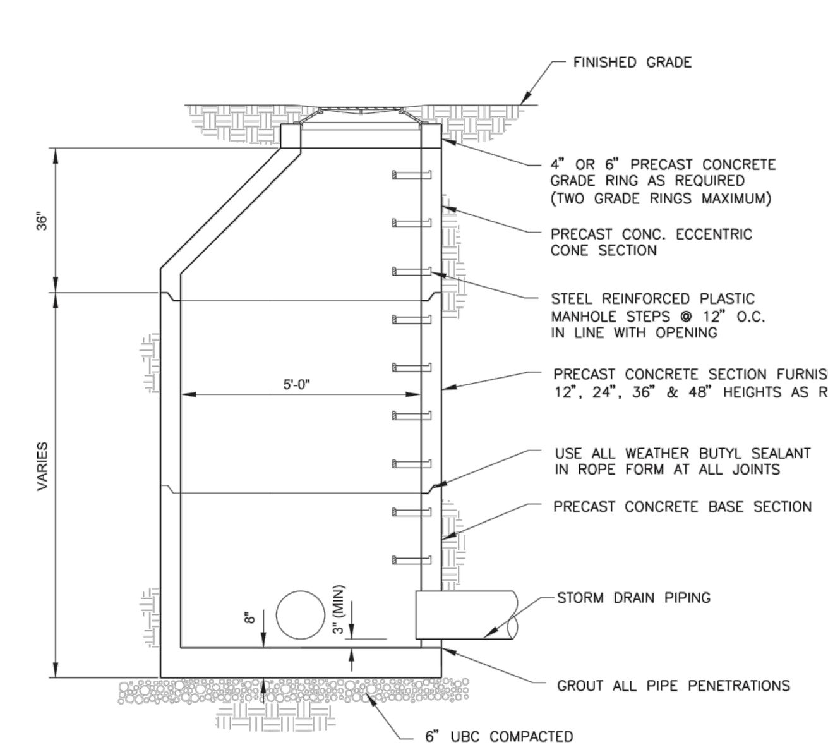
REVISION

Santaquin

CURB INLET BOX ASSEMBLY
SANTAQUIN CITY
275 WEST MAIN STREET

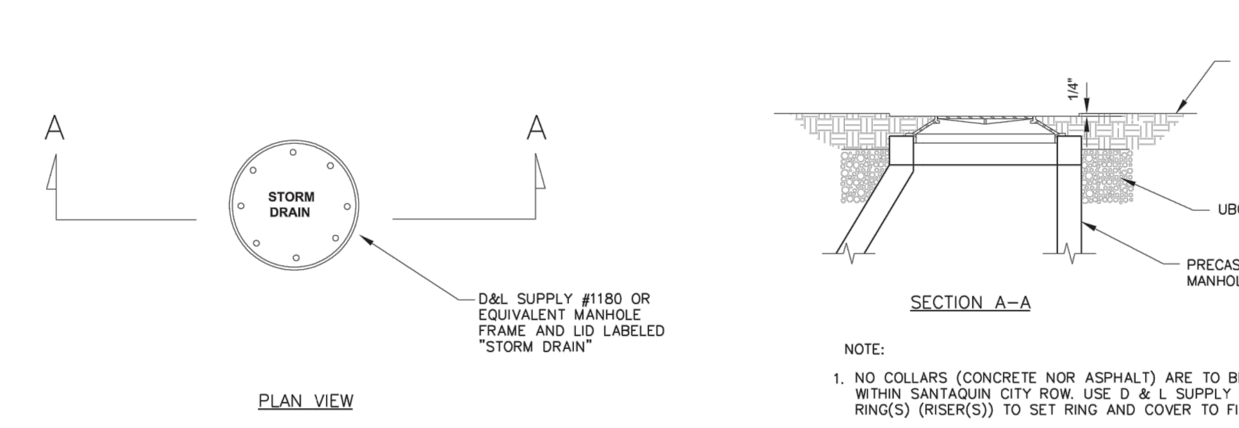
SD1
ADOPTED DATE: 19 – OCT – 16

6 CURB INLET BOX ASSEMBLY
NOT TO SCALE



NOTES:
1. FLAT LIDS MAY BE USED IN LIEU OF ECCENTRIC CONES WHERE NECESSARY, AND UPON APPROVAL OF THE CITY ENGINEER. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H20 LIVE LOADING.
2. MANHOLE RIMS PLACED IN FIELDS SHALL HAVE SOLID LIDS.

TYPICAL STORM DRAIN MANHOLE
NOT TO SCALE



NOTE:
1. NO COLLARS (CONCRETE NOR ASPHALT) ARE TO BE USED ON MANHOLES WITHIN SANTAQUIN CITY ROW. USE D & L SUPPLY MANHOLE ADAPTER RING(S) (RISER(S)) TO SET RING AND COVER TO FINISH GRADE.
2. EXCAVATIONS FOR MANHOLE ADAPTER RING(S) (RISER(S)) SHALL HAVE VERTICAL SIDE WALLS.
3. FINISH RING AND COVER 1/4" BELOW THE FINISH GRADE OF THE ROADWAY.

MANHOLE RING & COVER
NOT TO SCALE

JUB 0 40

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REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1	REMOVED CONCRETE COLLAR, ADDED CALL OUT FOR MANHOLE RISERS; REMOVED TROUGH, RAISED PIPE & MINOR NOTE CHANGES	NEB	MLC	11/2011

Santaquin

TYPICAL STORM DRAIN MANHOLE & MANHOLE RING & COVER
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: SD2
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: BTW
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12

7 STORM DRAIN MANHOLE
NOT TO SCALE

PROFESSIONAL ENGINEER
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH
[illegible]
08.04.2023

PERMIT SET

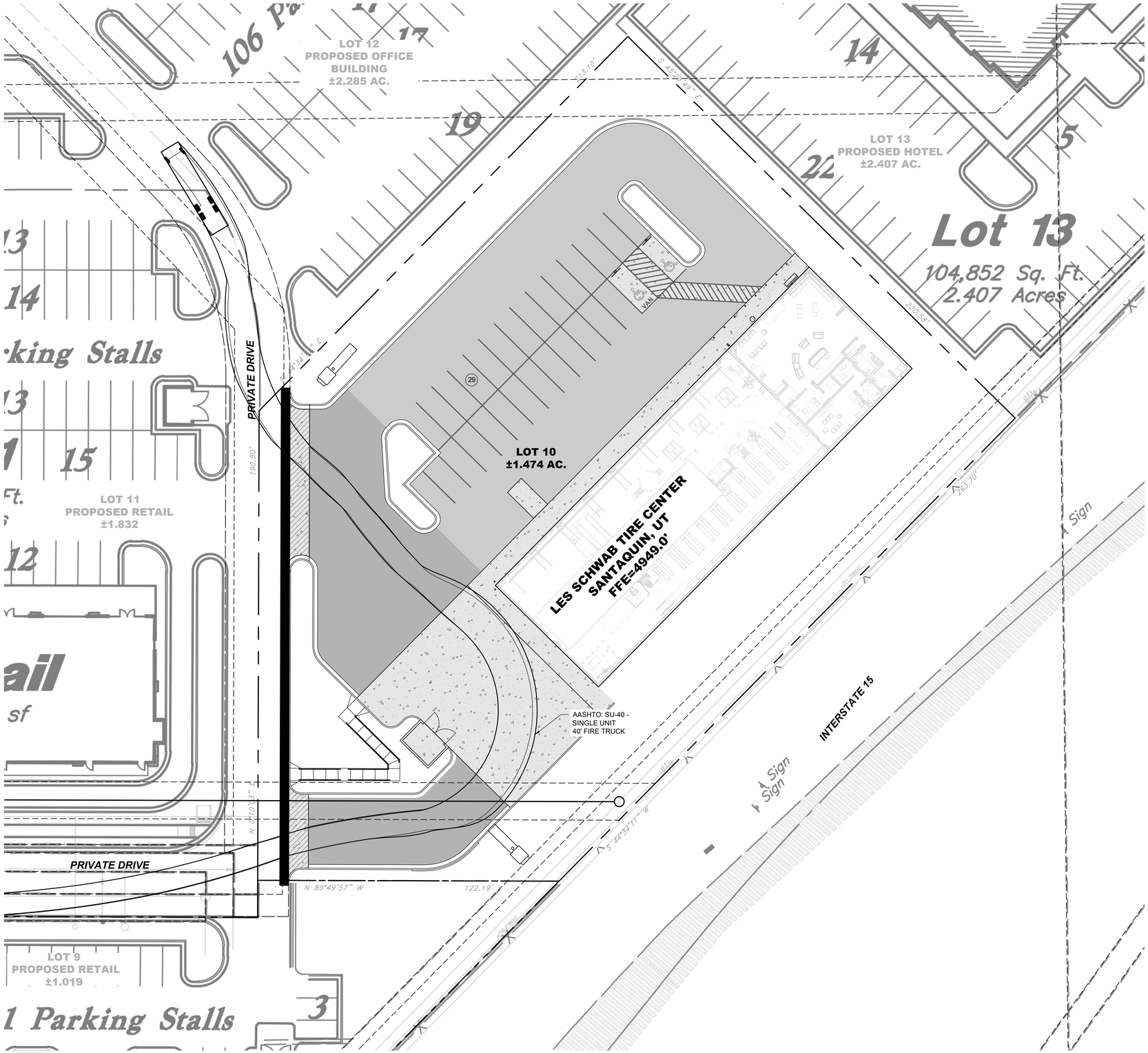
2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | SCHLEGEL
REVISIONS
-

811 Know what's below. Call before you dig.

DETAIL SHEET

C403

8/4/2023 4:24 PM | L:\LesSchwab\New\LSUT_21SANTA\BIMCAD\Civil\Sheets\LSUT_21SANTA_C403.dwg



1 SITE PLAN

NORTH

0 10 20 40

SCALE: 1" = 20'

PARKING TABLE

BUILDING	STALL MINIMUM	PROVIDED STALLS	ADA REQUIRED SPACES
TIRE CENTER	22	29	2

1. PARKING REQUIREMENTS: 2 PER 1,000 SF GFA. (5) PER SECTION 10.48.040 = 5 SPACES

Cushing Terrell.
cushingterrell.com
800.757.9522

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

LOT 10 OF RIDLEYS SUBDIVISION, PLAT C
SANTAQUIN, UT 84655

PROFESSIONAL ENGINEER
05.08.2023
No. 12525877-2202
ADAM SCHLEGEL
STATE OF UTAH

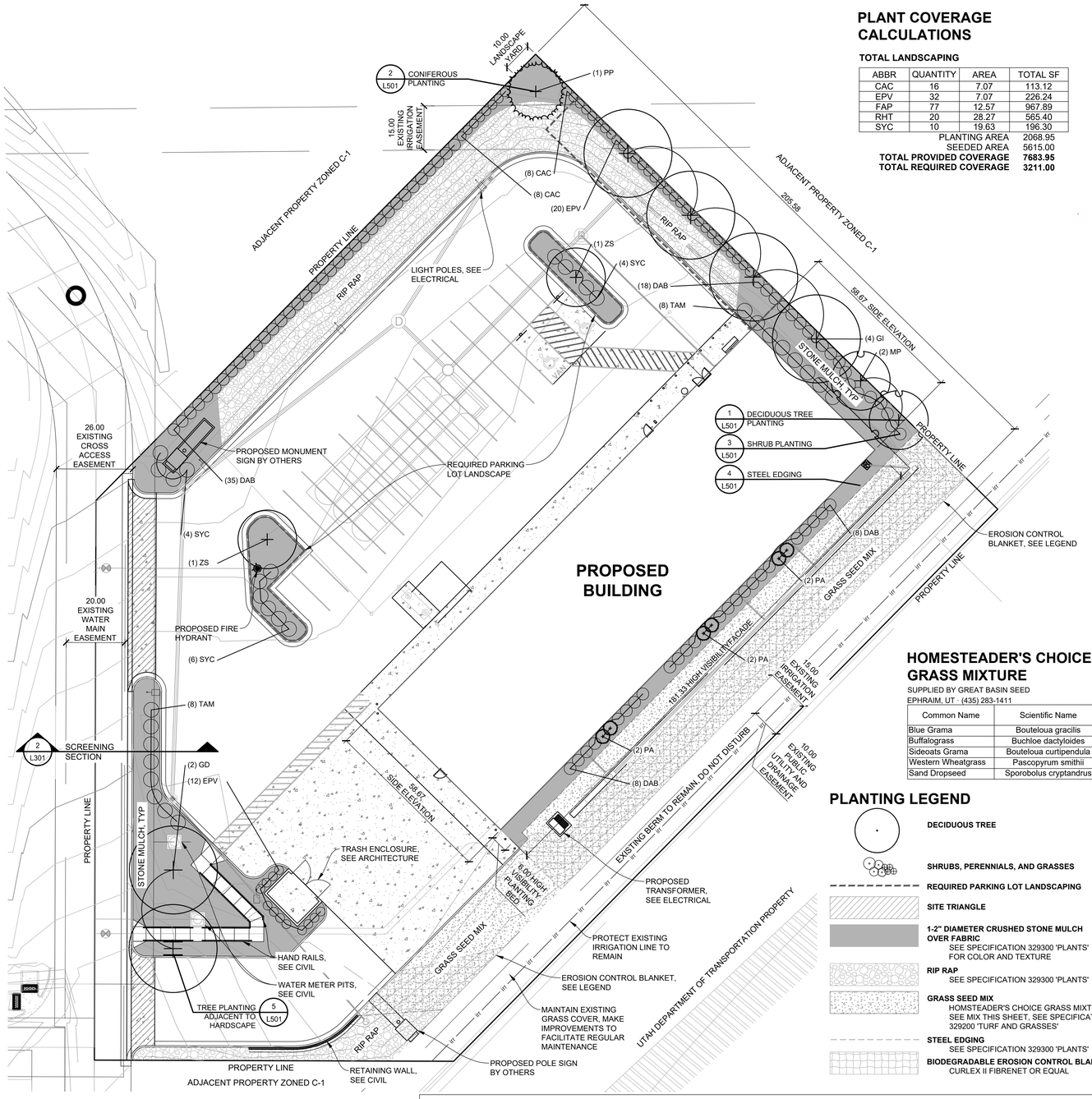
PERMIT SET

2023.05.08
PROJECT #|LSUT_21SANTA
DRAWN BY | MOODRY
CHECKED BY | ISACKSON
REVISIONS
-

811 Know what's below. Call before you dig.

SITE PLAN

ACP



PLANT COVERAGE CALCULATIONS

TOTAL LANDSCAPING

ABBR	QUANTITY	AREA	TOTAL SF
CAC	16	7.07	113.12
EPV	32	7.07	226.24
FAP	77	12.57	967.89
RHT	20	28.27	565.40
SYC	10	19.63	196.30
		PLANTING AREA	2068.95
		SEEDED AREA	5615.00
		TOTAL PROVIDED COVERAGE	**7683.95**
		TOTAL REQUIRED COVERAGE	**3211.00**

HOMESTEADER'S CHOICE GRASS MIXTURE

SUPPLIED BY GREAT BASIN SEED
EPHRAIM, UT · (435) 283-1411

Common Name	Scientific Name
Blue Grama	Bouteloua gracilis
Buffalograss	Buchloe dactyloides
Sideoats Grama	Bouteloua curtipendula
Western Wheatgrass	Pascopyrum smithii
Sand Dropseed	Sporobolus cryptandrus

PLANTING LEGEND

- DECIDUOUS TREE
- SHRUBS, PERENNIALS, AND GRASSES
- REQUIRED PARKING LOT LANDSCAPING
- SITE TRIANGLE
- 1-2" DIAMETER CRUSHED STONE MULCH OVER FABRIC — SEE SPECIFICATION 329300 'PLANTS' FOR COLOR AND TEXTURE
- RIP RAP — SEE SPECIFICATION 329300 'PLANTS'
- GRASS SEED MIX — HOMSTEADER'S CHOICE GRASS MIXTURE, SEE MIX THIS SHEET, SEE SPECIFICATION 329200 'TURF AND GRASSES'
- STEEL EDGING — SEE SPECIFICATION 329300 'PLANTS'
- BIODEGRADABLE EROSION CONTROL BLANKET — CURLEX II FIBRENET OR EQUAL

10.52.030 DEVELOPMENT PROJECT LANDSCAPING REQUIREMENTS

B. General Landscaping Standards:

REQUIRED	PROVIDED
B.1. Site Landscaping: All areas not utilized in a building footprint or necessary for site access, parking, or vehicle and pedestrian circulation shall be planted with an effective combination of trees, ground cover, lawn, shrubbery, and/or approved dry landscape materials and mulches under the standards established by this section and in accordance with an approved landscape plan.	ALL AREAS NOT UTILIZED FOR STRUCTURES OR HARDSCAPE CONTAIN LANDSCAPE
B.3. Plant Selection: Developments should include a good combination of evergreen trees in addition to deciduous trees in order to achieve a nonbarren landscape design during winter months when there are no leaves on the trees. Preference shall be given to those species listed in the city approved tree species list provided in the city's construction standards. Sod shall not be permitted in landscape areas less than four feet (4') in width.	PROPOSED TREE SPECIES ARE ON APPROVED TREE LIST OR CULTIVAR. NO SOD IS PROPOSED ON SITE.
B.7. Curbing: All landscape yards and areas abutting driveways, drive aisles, parking stalls and property lines shall be protected by a concrete curb, which shall be four inches wide and six inches deep (4" x 6").	CURBS PROVIDED AT LANDSCAPE

C. Landscape Yards And Screening:

REQUIRED	PROVIDED
C.1. Required Landscape Yards: Landscape yards within these zones shall be established in relationship to required setbacks for buildings and parking areas. 10.20.120 COMMERCIAL ZONES F.2.b. Setback Requirements: FRONT SETBACK (From private frontage): **0 FT** SIDE SETBACK (Minimum from adjacent property to building/ parking): **0** or **10FT/0 if shared** or 5 FT REAR SETBACK (Minimum from adjacent property to building/ parking): 10 FT/**0** if shared or 5 FT 0 FT SIDE YARD AT SHARED WEST BOUNDARY, DRIVE AISLE AND ACCESS EASEMENT ONLY, NO SHARED BOUNDARY PRESENT, NO LANDSCAPE REQUIRED 0 FT FRONT YARD AT NORTHWEST BOUNDARY, NO LANDSCAPE REQUIRED **10 FT SIDE YARD REQUIRED AT SHARED NORTHEAST BOUNDARY WITH ADJACENT PARKING** 0 FT REAR YARD AT SOUTHEAST BOUNDARY, NO ADJACENT PROPERTY, NO LANDSCAPE REQUIRED 0 FT SIDE YARD AT SOUTH BOUNDARY, ACCESS DRIVE ONLY, NO BUILDING OR PARKING PRESENT, NO LANDSCAPE REQUIRED Minimum Percentage Of Landscape Area: 10% TOTAL PROPERTY AREA: 64,255 SF 64,225 SF X 10% = **6,422 SF REQUIRED LANDSCAPE**	10 FOOT WIDE SIDEYARD PROVIDED AT NORTHEAST BOUNDARY 7,684 SF LANDSCAPE PROVIDED, SEE PLANT COVERAGE CALCULATIONS TABLE
C.2. Required Landscaping Amounts Within Landscape Yards: b. Side and rear landscape yards abutting a nonresidential development or property zoned for such shall include a minimum of one tree and four (4) shrubs for each forty (40) linear feet or fraction thereof of the landscape yard area (as measured along the property line). SIDE YARD AT SHARED WEST BOUNDARY: DRIVE AISLE AND 0 YARD REQUIRED FRONT YARD AT NORTHWEST BOUNDARY: 0 YARD REQUIRED **SIDE YARD AT NORTHEAST BOUNDARY: 205.58 FT / 40 FT = 5.14 = 5 TREES AND 20 SHRUBS REQ.** REAR YARD AT SOUTHEAST BOUNDARY: NOT ABUTTING AN ADJACENT PROPERTY SIDE YARD AT SOUTH BOUNDARY: 0 YARD REQUIRED	5 TREES AND 20 SHRUBS PROVIDED AT NORTHEAST BOUNDARY
C.2. Required Landscaping Amounts Within Landscape Yards: c. Front and street side landscape areas shall include a minimum of one tree for each forty (40) linear feet or fraction thereof of the landscape yard area (as measured along the property line). FRONT YARD: NO LANDSCAPE REQUIREMENT WHEN SETBACK IS AT 0 FT	NORTHWEST FRONT SETBACK IS AT 0 FT, NO LANDSCAPE IS REQUIRED
C.2. Required Landscaping Amounts Within Landscape Yards: d. In addition to the above, ground cover shall be provided over all landscape areas.	MULCH GROUNDCOVER PROVIDED OVER ALL LANDSCAPE AREAS
C.5. Utility Screening: All aboveground utility equipment (e.g., power, phone, cable boxes, etc.) as well as ground mounted HVAC equipment, etc., shall be screened from public view by a wall or plantings equal to or greater than the equipment height.	TRANSFORMER WILL BE SCREENED BY BERM, HVAC ROOF MOUNTED
C.6. Fencing And Property Line Screening: a. In addition to the required landscaping, screening along rear or side property lines should incorporate berming, open construction barriers, low maintenance fencing materials or decorative walls constructed of stone, masonry or decorative iron.	EXISTING BERM T0 REMAIN ALONG REAR OF BUILDING
C.7. Decorative Materials: Materials such as crushed rock, redwood chips, pebbles, pavers, or stamped concrete and stones may not cover more than fifty percent (50%) of the areas required to be landscaped. Artificial plants are not acceptable. 6,422 SF REQUIRED LANDSCAPE X 50% = **3,211 SF REQUIRED COVERAGE**	7,684 SF LANDSCAPE COVERAGE PROVIDED, SEE PLANT COVERAGE TABLE FOR CALCULATIONS

D. Building Landscaping:

REQUIRED	PROVIDED
D.1. Except within MBD areas, exposed sections of building walls that are in high visibility areas along arterial and collector streets as well as on site, general public access areas, shall have planting beds approximately six feet (6') wide placed directly along at least fifty percent (50%) of such walls. These planting areas may overlap required landscape yards.	6 FOOT WIDE PLANTING BED AND SHRUBS PLACED ALONG 50% OF BUILDING FACE IN HIGH VISIBILITY AREA ALONG HIGHWAY OFF RAMP ON SOUTHEAST FACADE
D.2. Trash enclosures and other accessory structures shall have a minimum five foot (5') wide planting area along three (3) sides and a minimum of four (4) shrubs per landscaped side. These planting areas may overlap required landscape yards.	4 SHRUBS PROVIDED ON 3 SIDES OF THE TRASH ENCLOSURE
D.3. Except within MBD areas, a group of four (4) shrubs and one tree shall be provided in a landscape area or grade adjacent to the front and side elevations of a building per fifty (50) linear feet or fraction thereof, of elevation where the building exceeds one hundred feet (100') in length (e.g., 110 feet of building face would require 3 of the above groupings). (Ord. 07-01-2016, 7-6-2016, eff. 7-7-2016) FRONT FACADE, NOT ADJACENT TO LANDSCAPE AREA OR OPEN GRADE **NORTHEAST FACE, 59 FEET = 2 TREES AND 8 SHRUBS REQUIRED** **SOUTHWEST FACE, 59 FEET = 2 TREES AND 8 SHRUBS REQUIRED**	2 TREES AND 8 SHRUBS PROVIDED FOR EACH SIDE ELEVATION

E. Parking Area Landscaping:

REQUIRED	PROVIDED
1. Landscape Areas: Landscaping shall be provided in the amount of six percent (6%) of the interior space of parking lots with less than one hundred (100) spaces, and ten percent (10%) of the interior space of all parking lots with one hundred (100) spaces or more. For single developments on less than two (2) acres, this percentage will count toward the minimum landscape requirement provided in paragraph C,1. 21,488 SF INTERIOR PARKING LOT x 6% = **1,290 SF REQUIRED PARKING LOT LANDSCAPE**	2,292 SF PARKING LOT LANDSCAPE PROVIDED
E.2. Screening: Screening from the street and all nonresidential uses shall be of sufficient height and opacity to continuously block the lowest three feet (3') of the cross section view of the parking area from the street or adjacent use. These screening standards may be met in any number of different ways, including, but not limited to, a garden wall, earthen berm, constructed planter, dense hedge, or combination of ways. Landscape plans submitted for review shall include a graphic depiction of the parking lot screening as viewed from the street. Plant material used for the required screening shall achieve required capacity in its winter seasonal condition within three (3) years of construction of the vehicular use area.	3 FOOT TALL HEDGE PLANTED ALONG PARKING PERIMETER, SEE SCREENING SECTION DETAIL 2/L301
E.4. Planter Islands: Landscaped islands shall be provided at the end of parking aisles and appropriately spaced at intermediate locations along parking aisles.	ISLANDS PROVIDED AT END OF PARKING AISLES
E.4. Planter Islands: a. Dimensions: Islands at the end of single stall width parking aisles shall be at least six feet (6') in width and eighteen feet (18') in length. Islands at the end of dual stall width parking aisles shall be at least six feet (6') in width and thirty six feet (36') in length, with at least one hundred sixty (160) square feet of ground area per shade tree or one hundred (100) square feet of ground per ornamental tree to allow for root aeration.	PLANTER ISLANDS ARE AT LEAST 6 FT WIDE, AT LEAST 160 SF PROVIDED PER SHADE TREE
E.4. Planter Islands: b. Vegetation: Islands shall include one or more canopy shade trees and four (4) or more shrubs per eighty (80) square feet of planter area. Additionally, ground cover shall be provided over the entire landscape area. 775 SF OF PLANTER / 80 SF = **10 REQUIRED SHRUBS**	1 TREE MINIMUM PROVIDED PER ISLAND, 10 SHRUBS PROVIDED GROUNDCOVER PROVIDED OVER ENTIRE LANDSCAPE AREA

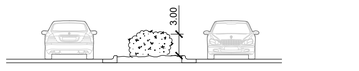
F. Species Diversity And Minimum Standards:

REQUIRED	PROVIDED
1. Diversity: To prevent uniform insect or disease susceptibility and eventual uniform maturity and agedness on a development site or in the adjacent area or the district, species diversity is required and extensive monocultures are prohibited. The following requirements shall apply to site development plans: Number Of Trees On Site: 10 - 19 Maximum Percentage Of Any One Species: 75%	14 TREES REQUIRED, NO MORE THAN 10 OF ONE SPECIES PROVIDED

PLANT SCHEDULE

CONIFEROUS TREES	QTY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	PKG.	MATURE SIZE	
PA	6	PICEA ABIES 'CUPRESSINA'	COLUMNAR NORWAY SPRUCE	8` HT.	B&B	20-25`H X 5-6`W	
PP	1	PICEA PUNGENS 'FAT ALBERT'	FAT ALBERT BLUE SPRUCE	4` HT.	B&B	40-45`H X 20-25`W	
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	PKG.	MATURE SIZE	
GI	4	GLEDITSIA TRIACANTHOS INERMIS `SKYCOLE`	SKYLINE THORNLESS HONEY LOCUST	2" CAL.	B&B	35-45`H X 25-35`W	
GD	2	GYMNOCLADUS DIOICA 'ESPRESSO'	KENTUCKY COFFEETREE	2" CAL.	B&B	50`H X 35`W	
ZS	2	ZELKOVA SERRATA 'MUSASHINO'	MUSASHINO SAWLEAF ZELKOVA	2" CAL.	B&B	40`H X 15-20`W	
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	PKG.	MATURE SIZE	
MP	2	MALUS X `PRAIRIFIRE`	PRAIRIFIRE CRABAPPLE	1.5" CAL.	B&B	15-20`H X 15-20`W	
DECIDUOUS SHRUB	QTY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	PKG.	MATURE SIZE	SPACING
CAC	16	CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	BLUE MIST BLUEBEARD	1 GAL.	POT	2.5`H X 2.5`W	36" o.c.
DAB	77	DAPHNE X BURKWOODII 'CAROL MACKIE'	CAROL MACKIE DAPHNE	5 GAL.	POT	3-4`H X 3-5`W	48" o.c.
EPV	32	EPHEDRA VIRIDIS	MORMON TEA	1 GAL.	POT	3-4`H X 3-4`W	36" o.c.
SYC	14	SYMPHORICARPOS X CHENAULTII 'HANCOCK'	HANCOCK CHENAULT CORALBERRY	1 GAL.	POT	2`H X 6-8`W	60" o.c.
TAM	16	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW	5 GAL.	POT	3-4`H X 4-6`W	60" o.c.

1 PLANTING PLAN
SCALE: 1" = 20'



2 SCREENING SECTION
SCALE: 1" = 10'

NORTH

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Tires LES SCHWAB

LES SCHWAB TIRE CENTER - SANTAQUIN, UT 84655

98 North 500 East ST
7 BAY RH LINEAR STORE - PROTOTYPE Q2 2023

State of Utah
ANGELA MARIE HANSEN
No. 10740298-5301
Licensed Landscape Architect

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | DONOVAN
CHECKED BY | HANSEN
REVISIONS
1 09.05.2023 CITY COMMENTS/DRC

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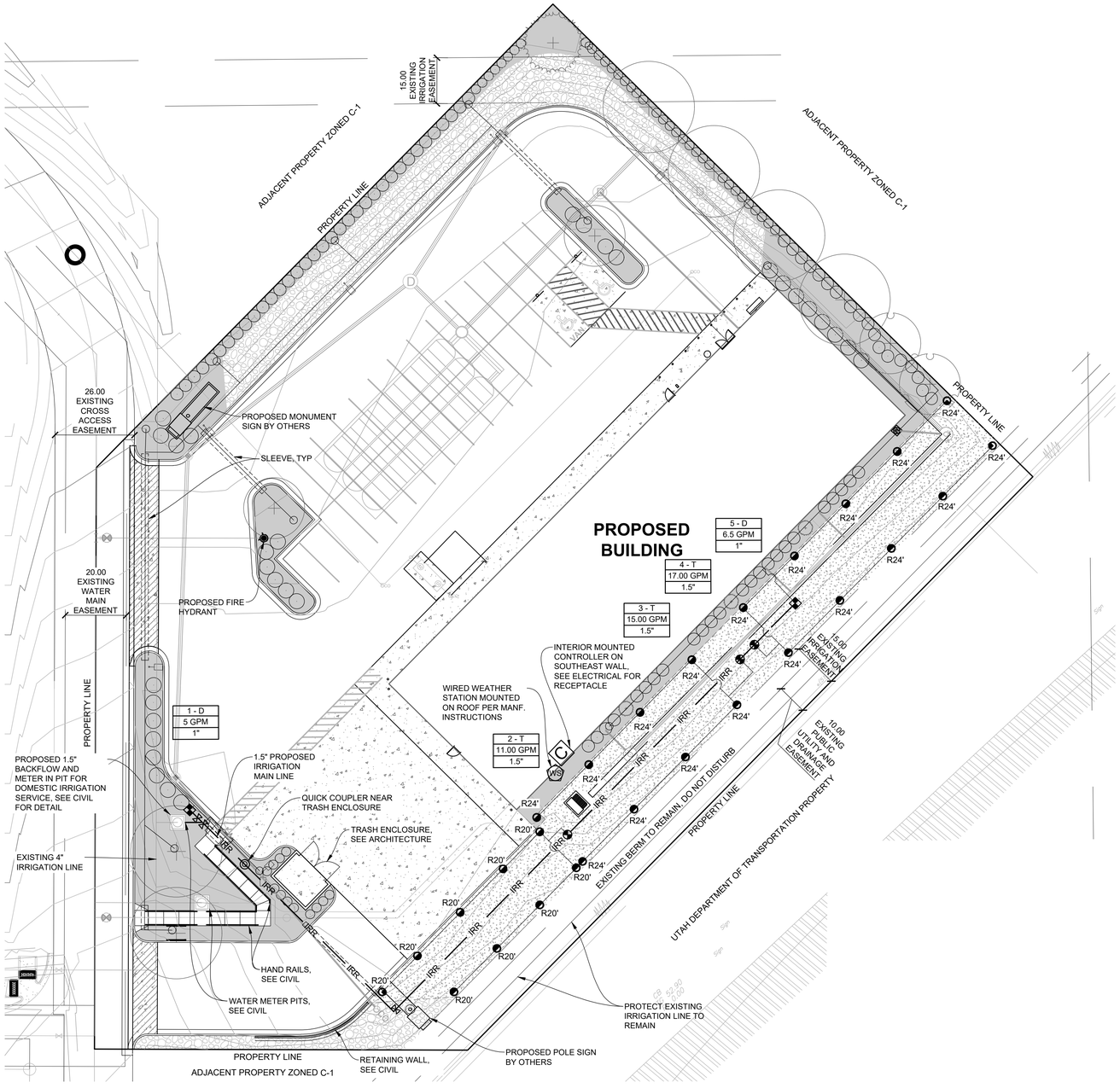
PLANTING PLAN

L301



1 IRRIGATION PLAN

0 10 20 40

SCALE: 1" = 20'

NORTH

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	DETAIL	SHEET
	WATER POINT OF CONNECTION BY DEVELOPER	1	C403
IRR	NEW MAIN LINE, 1.5" SCH 40 PVC	2	L502
	LATERAL LINE, CLASS 200 PVC IPS PLASTIC PIPE	2	L502
	SLEEVE SCH 40 PVC	3	L502
	ISOLATION VALVE AS SPECIFIED	5	L502
	DRIP CONTROL VALVE AS SPECIFIED	7	L502
	ELECTRIC CONTROL VALVE AS SPECIFIED	16	L502
	QUICK COUPLER AS SPECIFIED	9	L502
	DRIP ZONE, INLINE DRIP TUBING OR DRIP TUBING WITH POINT SOURCE EMITTERS, AS SPECIFIED FLOW: 6 GPH TREES, 2 GPH SHRUBS EMITTER SPACING: PER PLANT LAYOUT ROW SPACING: PER PLANT LAYOUT	11	L401
	SPRINKLER HEADS BODIES: RAINBIRD 5006+SAM-R-SS NOZZLES: RAINBIRD MPR NOZZLES	12	L502
C	TRADITIONAL CONTROLLER AS SPECIFIED	14	L502
WS	WEATHER STATION AS SPECIFIED	15	L502

ZONE CALLOUT:

STATION / ZONE
3 - D
9.5 GPM
1.5"
(D- INDICATES PLANT BED DRIP)
(T- INDICATES TURF)
GALLONS PER MINUTE (GPM)
VALVE SIZE

IRRIGATION NOTES

1. SEE SPECIFICATION 328400 'PLANTING IRRIGATION' FOR MORE INFORMATION.
2. CONTRACTOR TO DESIGN IRRIGATION SYSTEM PER SCHEMATIC LAYOUT AND INSTALL UNDERGROUND AUTOMATIC IRRIGATION SYSTEM TO PROVIDE ADEQUATE WATER FOR ALL PLANT MATERIAL AS SHOWN ON DRAWINGS. INSTALL MANUAL DRAINS AT LOW POINTS AND AIR RELIEF VALVES AT HIGH POINTS ALONG MAINLINE. INSTALL QUICK COUPLERS AT END OF MAINLINE AND ISOLATION VALVES DOWNSTREAM OF MAINLINE TEES.
3. IRRIGATION SYSTEM TO BE INSTALLED TO PREVENT OVER-SPRAY ONTO BUILDING AND PAVED SURFACES.
4. THE PLAN IS DIAGRAMMATIC FOR PIPING. ADJUST PIPE LOCATION AS NECESSARY. ALL VALVES & PIPING ARE TO BE INSTALLED IN PLANTING OR MULCH AREAS.
5. DO NOT INSTALL THE IRRIGATION SYSTEM WHEN OBVIOUS OBSTRUCTIONS, GRADE CHANGES OR OTHER DETRIMENTAL SITE GEOMETRY EXISTS.
6. ALL INFORMATION SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL COORDINATE WATER CONNECTIONS AND IRRIGATION CONTROLLER WITH OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONFIRM WATER SOURCE FOR PRESSURE AND GPM REQUIREMENTS PRIOR TO CONSTRUCTION THROUGH SUBMITTALS.
8. IN THE EVENT OF ANY DISCREPANCIES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
9. CONTRACTOR TO VERIFY AVAILABLE GALLONAGE, PRESSURE, POWER, AND PROTECTION OF WATER SOURCE AS DESIGNED BEFORE INSTALLATION OF SYSTEM.
10. PROPOSED TREES, SHRUBS, AND PERENNIALS SHALL BE WATERED BY POINT SOURCE DRIPLINE WITH DRIP ZONE CONTROL KIT AS DETAILED AND NOTED ON LEGEND. PROVIDE PVC LATERALS TO BEDS AND CONNECT TO PE PIPE AS DETAILED, SPECIFIED AND SHOWN ON PLAN.
11. CONTRACTOR SHALL PROVIDE SLEEVING FOR PIPE BELOW PAVEMENT. SLEEVE AS SPECIFIED. SUPPLY ONE EXTRA SLEEVE WITH EACH MAINLINE SLEEVE FOR CONTROL WIRES. COORDINATE SLEEVE INSTALLATION WITH OTHER TRADES AND OTHER PROJECTS. BORE UNDER EXISTING PAVED AREAS AS REQUIRED USING DRILL, AUGER, WATER JET, OR ANY OTHER INSTRUMENT APPROVED BY OWNER'S REPRESENTATIVE CAPABLE OF PRODUCING A PRECISE HOLE. BORING SHALL NOT DISTURB OVERLAYING STRUCTURES OR CAUSE SETTLEMENT AND DAMAGE TO THOSE STRUCTURES. IF DEMOLISHING EXISTING PAVEMENT FOR SLEEVE INSTALLATION, PATCH EXISTING ASPHALT AS REQUIRED.
12. IRRIGATION SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL PERTINENT CODES AND REGULATIONS, THE REFERENCED STANDARDS, AND THE MANUFACTURER'S RECOMMENDATIONS.
13. PROVIDE ALL COMPONENTS REQUIRED FOR PROPER WINTERIZATION OF SYSTEM.
14. LINE SIZE WINTERIZATION BLOW-OUT ADAPTER SHALL BE INSTALLED IMMEDIATELY DOWN STREAM OF POINT OF CONNECTION.
15. LATERAL LINES SHALL BE SOLVENT WELDED CL200 PVC PIPE.
16. ELECTRICAL & MANUAL GATE VALVES SHALL BE INSTALLED IN VALVE BOXES OR APPROVED EQUAL. USE A 12" STANDARD BOX FOR ALL CONTROL VALVES. 10" ROUND FOR ALL OTHERS.
17. PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.
18. ALL WIRES SHALL BE INSTALLED UNDER A MINIMUM OF 12" COVER AND MAY BE INSTALLED IN TRENCHES WITH PIPE AS LONG AS THE WIRES ARE INSTALLED UNDER THE PIPE.
19. DBY DRY SPLICE WIRE CONNECTORS SHALL BE USED FOR ALL ELECTRICAL CONNECTIONS.
20. ADD AIR RELIEF VALVE PER DETAIL AT HIGHEST POINT IN THE IRRIGATION SYSTEM.
21. **ALL IRRIGATION LINES SHALL BE SURVEYED, AND SHOWN ON AS-BUILT DRAWINGS, IN THREE DIMENSIONS AT EACH END AND ALL ANGLE POINTS. TOP OF WATER PIPE SHALL ALSO BE AS-BUILT.**

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SANTAQUIN, UT 84655

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08.04.23

PERMIT SET

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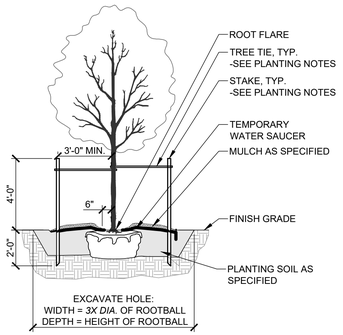
PROJECT #|LSUT_21SANTA
DRAWN BY | DONOVAN
CHECKED BY | HANSEN
REVISIONS
-

811 Know what's below. Call before you dig.

IRRIGATION PLAN

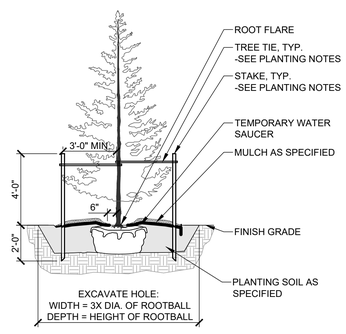
L401



PLANTING NOTES:
1. FOR MORE INFORMATION SEE PLANTING NOTES ON L501 AND SPECIFICATION 329300 'PLANTS.'
2. REMOVE ALL TWINE, STRING, AND WIRE FROM ROOTBALL. REMOVE BURLAP ENTIRELY FROM ROOT BALL. THE ROOT FLARE OF ALL TREES SHALL BE LEVEL WITH OR UP TO 1" ABOVE GRADE.
3. ALL TREES SHALL BE INSTALLED WITH A TEMPORARY SAUCER OF RAISED SOIL AT THE EDGE OF ROOT BALL TO CONTAIN WATER. REMOVE OR BREACH WATER SAUCER BEFORE THE FIRST FROST.
4. PULL MULCH AWAY FROM TRUNK A MINIMUM OF 6".

1 DECIDUOUS TREE PLANTING

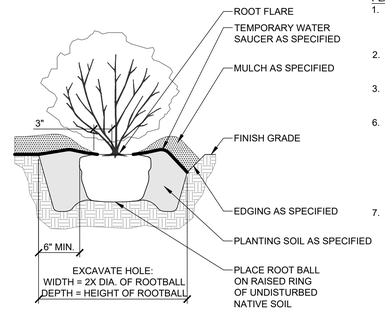
1/4"=1'-0"



PLANTING NOTES:
1. FOR MORE INFORMATION SEE PLANTING NOTES ON L501 AND SPECIFICATION 329300 'PLANTS.'
2. REMOVE ALL TWINE, STRING, AND WIRE FROM ROOTBALL. REMOVE BURLAP ENTIRELY FROM THE ROOT FLARE OF ALL TREES SHALL BE LEVEL WITH OR UP TO 1" ABOVE GRADE.
6. ALL TREES SHALL BE INSTALLED WITH A TEMPORARY SAUCER OF RAISED SOIL AT THE EDGE OF ROOT BALL TO CONTAIN WATER. REMOVE OR BREACH WATER SAUCER BEFORE THE FIRST FROST.
7. PULL MULCH AWAY FROM TRUNK A MINIMUM OF 6".

2 CONIFEROUS TREE PLANTING

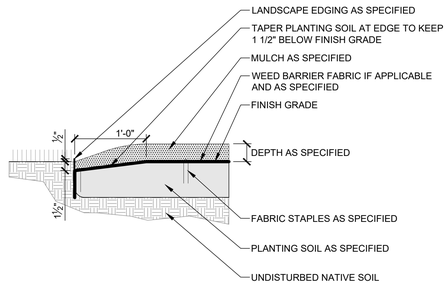
1/4"=1'-0"



PLANTING NOTES:
1. FOR MORE INFORMATION SEE PLANTING NOTES ON L501 AND SPECIFICATION 329300 'PLANTS.'
2. REMOVE ALL ROOT CONTAINMENT MATERIALS FROM ROOTBALL.
3. THE ROOT FLARE OF ALL SHRUBS SHALL BE LEVEL WITH OR UP TO 1" ABOVE GRADE.
6. ALL SHRUBS SHALL BE INSTALLED WITH A TEMPORARY SAUCER OF RAISED SOIL AT THE EDGE OF ROOT BALL TO CONTAIN WATER. REMOVE OR BREACH WATER SAUCER BEFORE THE FIRST FROST.
7. PULL MULCH AWAY FROM ROOT FLARE 3".

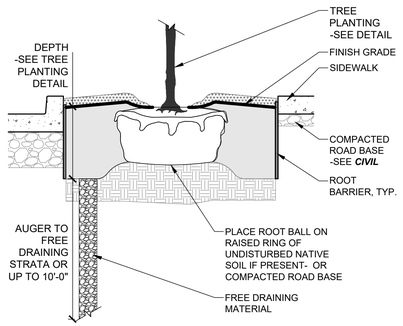
3 SHRUB PLANTING

1"=1'-0"



4 STEEL EDGING

1"=1'-0"



NOTES:
1. CONTRACTOR SHALL INSTALL ROOT BARRIER IN ALL PLANTING BEDS. THAT ARE WITHIN FIVE FEET OF ANY SIDEWALK, CURB, MEDIAN/ISLAND OR AS DENOTED ON THE LANDSCAPE PLAN.
2. THE ROOT BARRIER SHALL BE BLACK, MADE OF HIGH DENSITY RECYCLED POLYSTYRENE RUBBER. MODIFIED WITH THE 90° RIBS EVERY 6 INCHES.
3. BARRIER THICKNESS SHALL BE .065 OR .080 MILS.
4. CONTRACTOR TO INSTALL THE ROOT BARRIER WITH THE RAISED ROOT GUIDING RIBS TOWARDS THE TREE ROOTS.
5. THE TOP OF THE ROOT BARRIER MUST BE NO GREATER OR LESS THAN 1 INCH ABOVE FINISH GRADE.
6. INSTALL DRAINAGE FOR EACH TREE WITHIN ALL COMPACTED OR HARDPAN AREAS.
7. PLACE HOLE WITHIN EXCAVATED AREA AT LOWEST POINT- NOT UNDER ROOT BALL.
8. AUGER 6" MIN. DIAMETER HOLE INTO FREE DRAINING STRATA OR UP TO A DEPTH OF 10 FT. FOR MULTIPLE HOLES SPACE A MIN. OF 2 FT APART IN A GRID LAYOUT.
9. FILL HOLE WITH WATER AND ALLOW TO PERCOLATE AWAY BEFORE POSITIONING TREES AND SHRUBS.
10. NOTIFY LANDSCAPE ARCHITECT IF WATER DOES NOT PERCOLATE WITHIN 24 HOURS.

5 TREE PLANTING ADJACENT TO HARDSCAPE

PLANTING NOTES

1. SEE SPECIFICATIONS 329113 SOIL PREPARATION AND 329300 PLANTS.
2. EVALUATE EXISTING SITE CONDITIONS AND REMEDY AS REQUIRED TO PROVIDE FOR HEALTHY PLANT GROWTH AND MITIGATE UNSIGHTLY CONDITIONS.
3. RE-GRADE, PREPARE SOIL AND PLANT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY. PLANT PER PLANTING PLAN. FOR DISTURBANCES BEYOND PLAN, MATCH EXISTING PLANTS AND ACCESSORIES. A DISTURBED AREA SHALL BE WHERE CONSTRUCTION ACTIVITIES INCLUDING TRENCHING, DEMOLITION, EARTHWORK, MATERIAL STORAGE, STAGING AND PARKING OR ANY OTHER FORM OF EXCAVATION, COMPACTION, OR TRAFFIC RESULTS IN THE REMOVAL OR DISPLACEMENT OF EXISTING GROUNDCOVER OR GRADE. PROVIDE SMOOTH AND CLEAN TRANSITION BETWEEN EXISTING AND DISTURBANCES. IRRIGATION DISTURBANCE AREAS ARE CONCEPTUAL, COORDINATE ACTUAL.
4. PERFORM SOIL SAMPLING AND TESTING AS SPECIFIED.
5. PREPARE SUBGRADE AND PLACE SOIL PER SPECIFICATION 329113 'SOIL PREPARATION' FOR PLANTING SOIL, COORDINATE TOPSOIL INSTALLATION WITH OTHER TRADES. IF SUBSOIL CONDITIONS SHOW EVIDENCE OF UNEXPECTED WATER SEEPAGE OR RETENTION NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY AND MITIGATE AS REQUIRED.
6. AMEND PLANTING SOIL AS SPECIFIED. SEE SPEC 329113 SOIL PREPARATION. FOR COMPACTED AREAS (PREVIOUSLY PAVED/HARDPAN AREAS), SCARIFY SOILS AS SPECIFIED AND MODIFY PLANTING PIT AS SPECIFIED & DETAILED.
7. ALL PLANT MATERIAL SHALL RECEIVE AN ADEQUATE AMOUNT OF WATER TO MEET ITS WATERING REQUIREMENTS AND SHALL BE SUPPLIED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. SEE SPEC 328400 PLANTING IRRIGATION AND IRRIGATION PLAN.
8. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND PLANTING AREAS SHALL BE HAVE APPROPRIATE MOISTURE FOR INSTALLING PLANTS.
9. INSTALL PLANTINGS AND ACCESSORIES AS DETAILED AND PER PROJECT MANUAL SPECIFICATIONS.
10. MAINTAIN PLANTS AS SPECIFIED.

TREE, SHRUB, AND PERENNIAL NOTES

1. PRIOR TO PLANTING INSTALLATION, CONTRACTOR TO CONFIRM CONTACT LANDSCAPE ARCHITECT FOR PLANT INSPECTION AND REVIEW OF PLANT LAYOUT PRIOR TO DIGGING PLANTING HOLES.
2. ALL PLANT MATERIAL SHALL BE INSTALLED AS DETAILED AND SPECIFIED AND CONFORM TO THE CURRENT AMERICAN NURSERY AND LANDSCAPE ASSOCIATION STANDARD FOR NURSERY STOCK.
3. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES. THE ILLUSTRATED LOCATION SHALL DICTATE COUNT.
4. NO PLANT SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT.
5. WARRANTY PLANT MATERIAL AS SPECIFIED.

MULCH NOTES

1. ALL LANDSCAPE BEDS WITH CONTAINER PLANTS ARE TO RECEIVE FABRIC AND MULCH AS SPECIFIED. MODIFY FINISH GRADE ADJACENT TO WALKING SURFACES TO PREVENT MULCH FROM MIGRATING OR WASHING ONTO SUCH SURFACES DURING RAIN EVENTS.
2. SUBMIT SAMPLE OF MULCHES TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
3. EDGING LOCATION AS NOTED ON DRAWINGS AND DETAILS. EDGING TO BE INSTALLED BETWEEN MULCHES AND AT NEIGHBORING PROPERTY.

SOIL NOTES

1. PLANTING SOIL AS SPECIFIED IN 329113 'SOIL PREPARATION.'
2. PROVIDE 12" DEPTH OF PLANTING SOIL FOR ALL PLANTING BEDS.
3. PROVIDE 6" DEPTH OF PLANTING SOIL FOR ALL SEEDED AREAS.

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-

PLANTING DETAILS

L501

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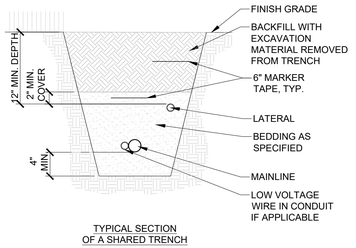
1 NOT USED

1"=1'-0"

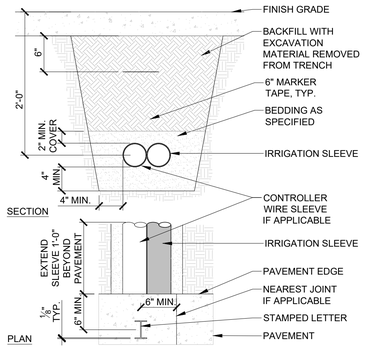


TYPICAL SECTION
OF A SHARED TRENCH

NOTES:
1. TAPE & BUNDLE ALL WIRING AT 10'-0" INTERVALS.
2. TIE A LOOSE 20" LOOP IN WIRING AT ALL CHANGES IN DIRECTION GREATER THAN 30° UNTIE ALL LOOPS AFTER MAKING CONNECTIONS.
3. BURY MARKING TAPE 6" ABOVE ALL DIRECT BURIAL WIRING, LATERAL LINES, AND MAINLINE.
4. ALL WIRING UNDER PAVEMENT SHALL BE THROUGH SLEEVES -SEE DETAIL.
5. ALL SPLICES SHALL BE MADE IN VALVE BOXES AND LOCATED ON AS-BUILT PLANS.

2 IRRIGATION TRENCH

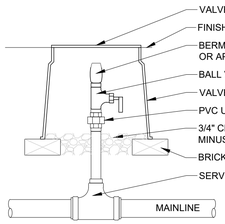
1"=1'-0"



NOTES:
1. ALL IRRIGATION SLEEVING SHALL BE (2) SIZES LARGER THAN PIPE OR COMBINATION OF PIPES THEREIN ENCLOSED, WITH MINIMUM SIZE TO BE 4" SCHEDULE 40 PVC.
2. SUPPLY (1) EXTRA SLEEVE WITH EACH IRRIGATION SLEEVE FOR CONTROL WIRES. BORE UNDER EXISTING PAVING WHERE REQUIRED. BORE SEPARATELY FOR CONTROL WIRES.
3. BURY MARKING TAPE ABOVE ALL SLEEVES 6" BELOW PAVEMENT.
4. INSTALL 3" HT IRRIGATION "I" STAMP IN PAVEMENT WHERE SLEEVES ARE LOCATED UNDER NEW PAVEMENT.
5. WHEN TRENCHING PROVIDE A 4" CLEARANCE AROUND SIDES OF SLEEVES. SLOPE SIDES OF TRENCH PER OSHA SPECIFICATIONS.

3 IRRIGATION SLEEVE

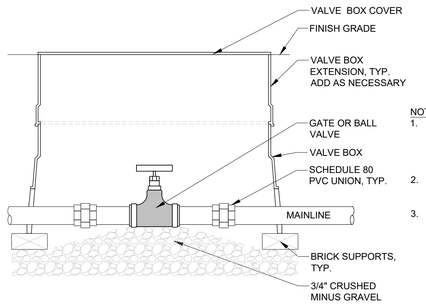
1"=1'-0"



NOTES:
1. INSTALL VALVE AT HIGHEST POINT ON MAINLINE.
2. VALVE TO BE BRACED BY GRAVEL, PROVIDE REBAR STAKING AS REQUIRED.
3. SIZE VALVE AND PIPING AS SPECIFIED.
4. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

4 AIR RELIEF VALVE

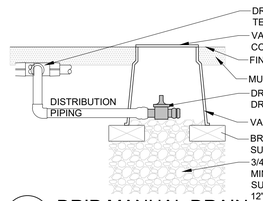
1 1/2"=1'-0"



NOTES:
1. VALVE TO BE SUPPORTED BY GRAVEL, PROVIDE BLOCK SHIM AS REQUIRED.
2. SIZE VALVE AND PIPING AS SPECIFIED.
3. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

5 ISOLATION VALVE

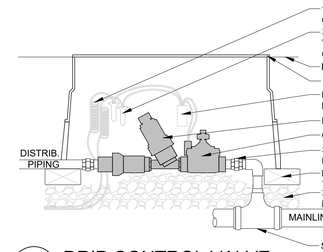
1 1/2"=1'-0"



NOTES:
1. INSTALL VALVE AT LOWEST POINT ON DISTRIBUTION PIPING.
2. VALVE TO BE SUPPORTED BY GRAVEL, PROVIDE BLOCK SHIM AS REQUIRED.
3. VALVE AND PIPING AS SPECIFIED.
3. INSTALL ONE DRAIN VALVE PER DRIP AREA- SEE SCHEMATIC DRIP LAYOUT DETAIL. MULTIPLE DRIP AREAS MAY BE WITHIN A SINGLE DRIP ZONE.
4. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

6 DRIP MANUAL DRAIN

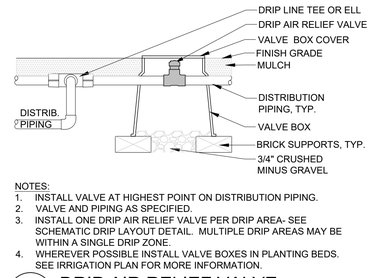
1 1/2"=1'-0"



NOTES:
1. VALVE TO BE SUPPORTED BY GRAVEL, PROVIDE BLOCK SHIM AS REQUIRED.
2. SIZE VALVE AND PIPING AS SPECIFIED.
3. DIRECT BURIAL WIRE MIN. 18/4 WIRE TO INTERFACE PANEL. MIN. RUN OF 1,000 LF
4. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

7 DRIP CONTROL VALVE

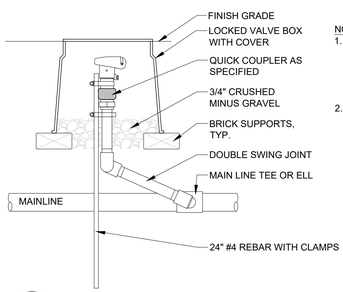
1 1/2"=1'-0"



NOTES:
1. INSTALL VALVE AT HIGHEST POINT ON DISTRIBUTION PIPING.
2. VALVE AND PIPING AS SPECIFIED.
3. INSTALL ONE DRIP AIR RELIEF VALVE PER DRIP AREA- SEE SCHEMATIC DRIP LAYOUT DETAIL. MULTIPLE DRIP AREAS MAY BE WITHIN A SINGLE DRIP ZONE.
4. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

8 DRIP AIR RELIEF VALVE

1 1/2"=1'-0"



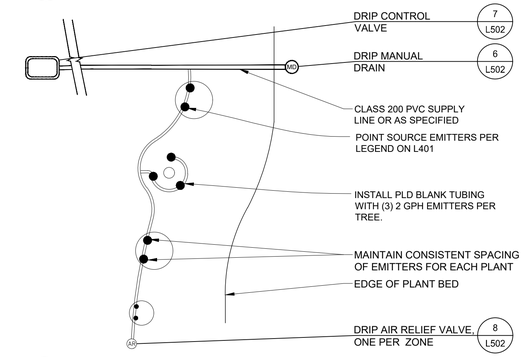
NOTES:
1. DOUBLE SWING JOINT SHALL BE SCHEDULE 80 PVC NIPPLE WITH (3) MARLEX STREET ELBOWS.
2. WHEREVER POSSIBLE INSTALL VALVE BOXES IN PLANTING BEDS. SEE IRRIGATION PLAN FOR MORE INFORMATION.

9 QUICK COUPLER

1 1/2"=1'-0"

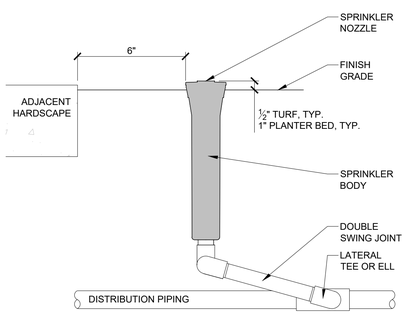
10 NOT USED

NTS



11 DRIP LAYOUT

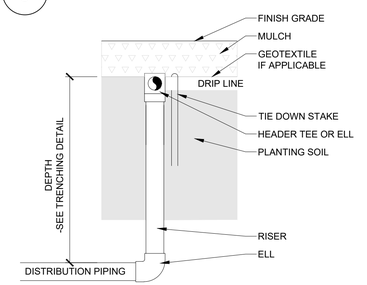
NTS



NOTES:
1. DOUBLE SWING JOINT SHALL BE SCHEDULE 80 PVC NIPPLE WITH (3) MARLEX STREET ELBOWS.
2. SPRINKLER NOZZLE, BODY AS SPECIFIED.
3. INSTALL SPRINKLERS A MINIMUM 12" FROM BUILDINGS AND WALLS.

12 SPRINKLER HEAD

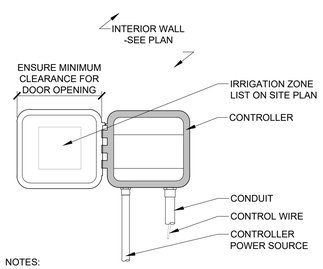
NTS



NOTES:
1. RISER, HEADER, TEES, AND ELLS TO MATCH DISTRIBUTION PIPING MATERIAL.
2. PLACE TIE DOWN STAKES EVERY 3'-0" IN SAND; 4'-0" IN LOAM, 5'-0" IN CLAY ON DRIP LINE.
3. AT FITTINGS WHERE THERE IS A CHANGE IN DIRECTION USE TIE DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

13 DRIP MANIFOLD

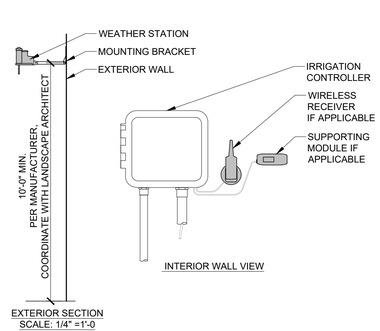
3"=1'-0"



NOTES:
1. SEE IRRIGATION SPECIFICATION AND LEGEND FOR MORE INFORMATION.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. MOUNT CONTROLLER AT EYE LEVEL UNLESS OTHERWISE NOTED.
4. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE UNLESS OTHERWISE NOTED. COORDINATE INSTALLATION WITH ELECTRICAL.
5. PROVIDE IRRIGATION ZONE LIST AS SPECIFIED.

14 CONTROLLER

1 1/2"=1'-0"



NOTES:
1. SEE IRRIGATION SPECIFICATION AND LEGEND FOR MORE INFORMATION.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. MOUNT WEATHER STATION WITH CLEAR EXPOSURE TO WEATHER IN LOCATION SHOWN ON PLANS. MOUNT WITH COMMON SENSE SO AS TO NOT TO VISUALLY DETRACT FROM ITS SURROUNDINGS.
4. MOUNT RECEIVER IF APPLICABLE ON WALL NEXT TO CONTROLLER.
5. MOUNT MODULE IF APPLICABLE WITHIN 6'-0" OF CONTROLLER ON WALL.

15 WEATHER STATION

1 1/2"=1'-0"

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

98 N 500 E MAIN STREET
SANTAQUIN, UT 84655

State of Utah
ANGELA MARIE HANSEN
No. 10740298-5301
Licensed Landscape Architect

PERMIT SET

2023.08.04
PROJECT #|LSUT_21SANTA
DRAWN BY | DONOVAN
CHECKED BY | HANSEN
REVISIONS

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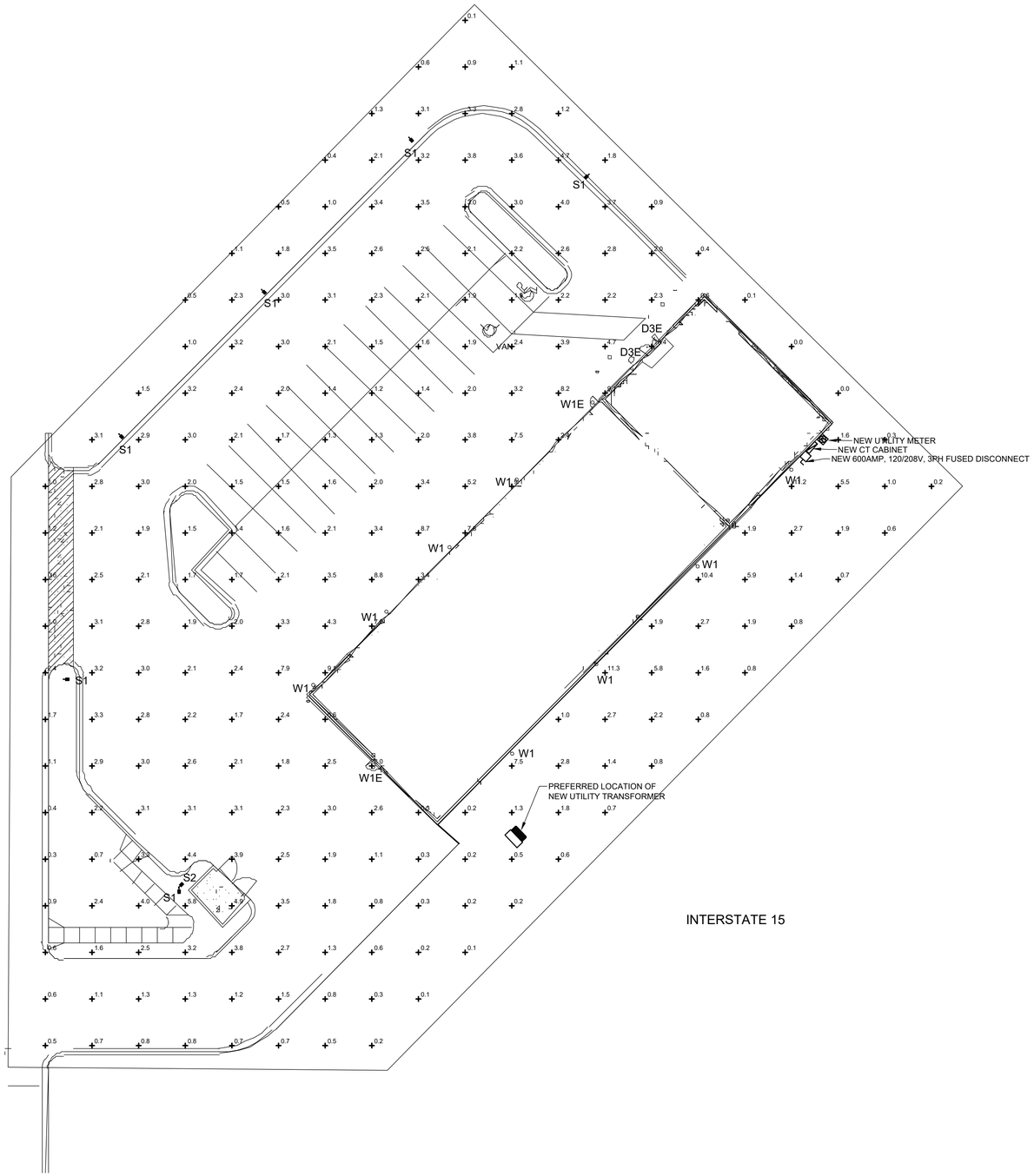
IRRIGATION DETAILS

L502



GENERAL NOTES

A. PHOTOMETRIC CALCULATIONS DO NOT INCLUDE CONTRIBUTION FROM STREET LIGHTING OR LIGHTING FROM ADJACENT PROPERTY.
B. ALL FIXTURES SHALL BE FULL CUT-OFF AND MOUNTED IN FULL CUT-OFF POSITION. ALL SITE POLES SHALL BE ROUND AND PAINTED IN A DARK, NON-REFLECTIVE COLOR.

LEGEND

- POLE MOUNTED LIGHT
- WALL MOUNTED LIGHT
- RECESSED CAN LIGHT

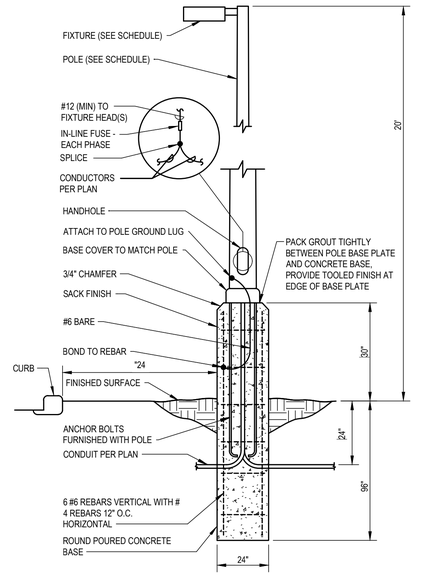
SITE LIGHTING SCHEDULE

	FIXTURE						MOUNTING		LAMP
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	NOTES	VOLTS	LUMENS	WATTS	TYPE	HEIGHT	TYPE
D3	5.25" WET LOCATION RECESSED DOWNLIGHT WITH REMOTE EMERGENCY BATTERY	ZUMTOBEL	PANOS-D-N-150-R-L-11W-835-CS-W-FE-150DL-R-11W-DA-1 / BODINE BSL17CC2T1U	2	120	1,848	11	RECESSED	12'	LED, 3500K
S1	LED POLE MOUNTED FIXTURE, SINGLE HEAD, TYPE 4 FORWARD THROW DISTRIBUTION WITH MOTION SENSOR CONTROLLED DIMMING	MCGRAW-EDISON	GLEON-5A2B-740-U-T4FT-BZ-FF-MS/DIM-L40W	1, 2, 3	208	11,763	85	POLE	20'	LED, 4000K
S2	LED POLE MOUNTED FIXTURE, SINGLE HEAD, TYPE 4WIDE DISTRIBUTION, MOTION SENSOR CONTROLLED DIMMING	MCGRAW-EDISON	GLEON-5A2B-740-U-T4W-BZ-FF-MS/DIM-L40W	1, 2, 3	208	11,610	85	POLE	20'	LED, 4000K
S-POLE	ROUND STRAIGHT STEEL POLE, DARK BRONZE, 20' MOUNTING HEIGHT	MCGRAW-EDISON	RSS-6-M-20-S-F-N-1-X-G	1, 4						
W1/W1E	LED WALL MOUNTED FIXTURE, FULL CUTOFF, DARK BRONZE FINISH WITH MOTION SENSOR AND DIMMING. PROVIDE BATTERY BACKUP WHERE LABELED 'W1E'	LUMARK	XTORIB-W-BZ-MS/DIM-L20	1, 2	120	6,038	58	WALL	14'	LED, 4000K

NOTES:
1. COLOR SHALL BE DARK BRONZE, VERIFY FIXTURES AND POLES HAVE MATCHING FINISH.
2. FIXTURE SHALL BE CONTROLLED BY PROGRAMMABLE LIGHTING PANEL TO DISABLE OPERATION BETWEEN 11:00 PM AND 6:00 AM OR AS REQUIRED BY AHJ.
3. INSTALL FIXTURE HEAD WITH 0° TILT TO PROVIDE FULL-CUTOFF DISTRIBUTION (NO LIGHT OUTPUT EMITTED ABOVE 90 DEGREES AT ANY LATERAL ANGLE AROUND THE FIXTURE).
4. COORDINATE OVERALL POLE LENGTH WITH FACTORY TO PROVIDE 20' FIXTURE MOUNTING HEIGHT WITH 42" CONCRETE BASE. PROVIDE POLE MFR'S RECOMMENDED ANCHOR BOLTS.

PHOTOMETRIC STATISTICS - ILLUMINANCE IN FOOT-CANDLES

DESCRIPTION	SYMBOL	AVG	MAX	MIN	AVG/MIN
OVERALL AREA	+	2.5 fc	16.4 fc	0.0 fc	N / A



2 POLE LIGHT DETAIL

1 ELECTRICAL SITE PLAN

NORTH
REF.

0 10 20 40

SCALE: 1" = 20'

Cushing Terrell.
cushingterrell.com
800.757.9522

Tires LES SCHWAB

LOT 10 OF RIDLEYS SUBDIVISION, PLAT C
SANTAQUIN, UT 84655

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

PERMIT SET

2023.05.08
PROJECT #LSUT_21SANTA
DRAWN BY | SCHUPP
CHECKED BY | GRAGG
REVISIONS
-

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ELECTRICAL SITE PLAN

E100

06.29.17 11:09 PM | L:\LesSchwab\New\LSUT_21SANTA\BIMCAD\Elec_ENTITLEMENTS\LSUT_21SANTA ELEC E100 Photometric Plan.dwg

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GLEON Galleon

Area / Site Luminaire

Product Features

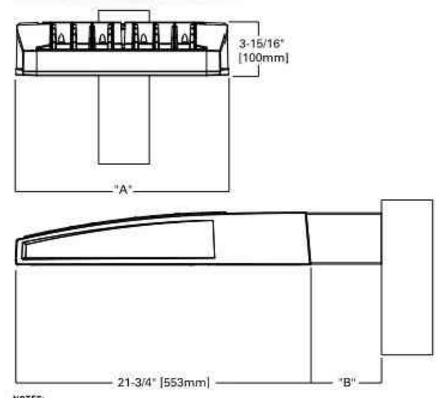
Product Certifications

Interactive Menu
- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 9

Connected Systems
- WaveLinx
- Enlighted

Quick Facts
- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length[1]	"B" Quick Mount Arm Length	"B" Quick Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	–
9-10	33-3/4"	7"	16"	–	–

NOTES:
For arm selection requirements and additional line art, see Mounting Details section.

Lumark

Catalog #		Type
Project		
Comments		Date
Prepared by		

DESCRIPTION

The patented Lumark Crosstour™ MAXX LED wall pack series of luminaries provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

SPECIFICATION FEATURES

Construction
Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 58W, 81W and 102W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens assembly designed for maximum forward throw. Solid state LED Crosstour MAXX luminaries are thermally optimized with eight lumen packages in cool 5000K, neutral 4000K, or warm 3000K LED color temperature (CCT).

Electrical
LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 58W, 81W and 102W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available in 58W and 81W models only. Crosstour MAXX luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Four half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

Emergency Egress
Optional integral cold weather battery emergency egress includes emergency operation test switch (available in 58W and 81W models only), an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

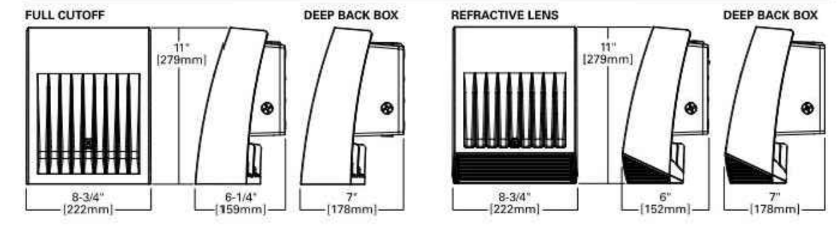
Finish
Crosstour MAXX is protected with a super TGIC carbon bronze or summit white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life. Options to meet Buy American and other domestic preference requirements.

Warranty
Five-year warranty.

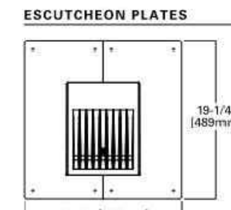
XTOR
CROSSTOUR
MAXX LED

APPLICATIONS:
WALL / SURFACE
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA
UL/cUL Wet Location Listed
Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
DesignLights Consortium® Qualified*
LM79 / LM80 Compliant
ROHS Compliant
NOM Compliant Models
3G Vibration Tested
UL924 Listed (CBP Models)
IP66 Rated

TECHNICAL DATA
40°C Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR6B, XTOR8B, XTOR12B=0.54

SHIPPING DATA:
Approximate Net Weight:
12-15 lbs. [5.4-6.8 kgs.]

*www.designlights.org

ZUMTOBEL

DOWNLIGHT WALL WASH ADJUSTABLE ACCENT

Round 5.25" (134mm)

IBEW UNION MADE

PANOS
5.25" Round Downlight

- Unrivaled in lighting quality and efficacy: 90+ CRI and up to 105 lm/w
- Easy to install. Installs 50% faster compared to traditional downlights
- A variety of accessories are available
- High-quality polycarbonate reflector using physical vapor deposition (PVD) technology
- Future-proof modular system
- Installed using PC mounting ring (glass fiber-reinforced) with anti-slip clamp mechanisms for tool-free fitting in ceiling
- Simple twist-and-lock mechanism for quick tool-free fitting of luminaire unit
- Suitable for both new construction and retrofit installations

DELIVERED LUMENS	COLOR TEMPERATURE	COLOR RENDERING	WATTS	UGR
Up to 2623 lm	2700 K 3000 K 3500 K 4000 K Tunable White (2700 K – 6500 K) (MacAdam 3 Step)	CRI 90+	11 W 25 W	‹ 19 high reflector low reflector w/ attachment

Damp location rated, standard
Available for wet location rating[1]

Energy Star listed for 3500K and 4000K models only
11 W variant is IC rated

Order Code

[A] PANOS | D | 3 | 150 | R | 6 | 7 | 8 | 9 | 10 | [B] PANOS | 12 | 150DL | R | 15 | 16 | 17 | 18 | [C] 19

[A] DOWNLIGHT		
1	FIXTURE	**PANOS**
2	TYPE	**D** Recessed Downlight
3	TRIM TYPE	**N** Standard Flange | **F** Flangeless[2]
4	SIZE	**150** 5.25" Aperture
5	SHAPE	**R** Round
6	DISTRIBUTION	**L** Low Reflector | **H** High Reflector
7	WATTAGE	**Static Wattages: 11W** 11 Watts | **25W** 25 Watts **Tunable White Wattages: 08W** 08 Watts | **19W** 19 Watts
8	LED MODULE	**927** CRI 90, 2700 K | **930** CRI 90, 3000 K | **935** CRI 90, 3500 K | **940** CRI 90, 4000 K | **900** Tunable White (2700 K– 6500 K)[3]
9	REFLECTOR FINISH	**CL** Clear Specular | **CS** Clear Semi-Specular | **FS** Faceted Specular | **MS** Matte Silver | **WH** White
10	FLANGE FINISH	**W** White | **F** Flangeless
[B] DRIVER		
11	FIXTURE	**PANOS**
12	CEILING TYPE	**TG** T-Grid Accessible[4] | **FE** Inaccessible Ceiling
13	SIZE	**150DL** 5.25" Aperture
14	SHAPE	**R** Round
15	WATTAGE	**11W** 11 Watts | **25W** 25 Watts
16	DRIVER	**DA** 0-10 V Dimming Driver, 1% | **DH** Lutron Dimming, 1% | **DD** DALI Dimming, 1% | **TU** Tunable White 0-10 V Dimming Driver, 1% | **TD** Tunable White DALI Dimming, 1%
17	VOLTAGE	**1** 120 V | **2** 277 V
18	OPTIONS	**EM** Battery Pack[5] | **EQ** Earthquake Plate (inaccessible ceiling only; not for retrofit applications)
[C] MOUNTING ACCESSORIES		
19	OPTIONS	**11052067** PC Mounting Ring Flush/Plaster Ceilings | **11054650** RND 5.25" Extended Mounting Ring Flush/Plaster Ceilings (CA) | **F0409626** Sheetrock Mounting Plate to be Used w/ Hanger Bar Install | **U0059500** Hanger Bar Assembly[6]

1 Wet location with accessory-flanged models only.
2 Not available with T-Grid ceiling. For flangeless products, ceiling can be closed prior to unit shipment. All flangeless products require a separate mounting ring accessory.
3 Must pick Tunable White driver option.
4 For T-Grid Ceiling tiles larger than 2' x 2', order extension cable E0051101.
5 EM not available with Earthquake Plate.
6 F0409626 comes as standard with TG ceiling only. U0059500 hanger bars must always be ordered separately if needed.

McGraw-Edison GLEON Galleon

Ordering Information
SAMPLE NUMBER: **GLEON-SA4C-740-U-T4FT-GM**

Product Family[1,2]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GLEON=Galleon **BAA-GLEON**=Galleon, Buy American Act Compliant[35] **TAA-GLEON**=Galleon, Trade Agreements Act Compliant[35]	**SA1**=1 Square **SA2**=2 Squares **SA3**=3 Squares **SA4**=4 Squares **SA5**=5 Squares[4] **SA6**=6 Squares **SA7**=7 Squares[5] **SA8**=8 Squares[5] **SA9**=9 Squares[6] **SA0**=10 Squares[6]	**A**=600mA **B**=800mA **C**=1000mA **D**=1200mA[16]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **AMB**=Amber, 590nm[14,16]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V[7,8] **9**=347V[7]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm[9] **MA**=Mast Arm Adapter[10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length)[11] **QMEA**=Quick Mount Arm (Extended Length)[12]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)[36]
DIM=External 0-10V Dimming Leads[19,20] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=Series 20kV UL 1449 Surge Protective Device **2L**=Two Circuits[17,18] **HA**=50°C High Ambient **HSS**=Installed House Side Shield[28] **GRSBK**=Glare Reducing Shield, Black[23] **GRSWH**=Glare Reducing Shield, White[23] **LCF**=Light Square Trim Painted to Match Housing[27] **MT**=Installed Mesh Top **TH**=Tool-less Door Hardware **CC**=Coastal Construction finish[3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **CE**=CE Marking[29] **AHD145**=After Hours Dim, 5 Hours[22] **AHD245**=After Hours Dim, 6 Hours[22] **AHD255**=After Hours Dim, 7 Hours[22] **AHD355**=After Hours Dim, 8 Hours[22] **DALI**=DALI Drivers	**BPC**=Button Type Photocontrol **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle[21] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting[34] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting[34] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height[24] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height[24] **MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height[24,25] **MS/X-L40W**=Bi-Level Motion Sensor, 21' - 40' Mounting Height[24,25] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height[24] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height[24] **ZW**=WaveLinx-enabled 4-PIN Twistlock Receptacle **ZD**=SR Driver-enabled 4-PIN Twistlock Receptacle **ZW-WOBXX**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting[13,32,33] **ZW-WOFXX**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting[13,32,33] **ZD-WOBXX**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting[13,32] **ZD-WOFXX**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting[13,32] **ZW-SWPD4XX**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting[13,32,33] **ZW-SWPD5XX**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting[13,32,33] **ZD-SWPD4XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting[13,32,33] **ZD-SWPD5XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting[13,32,33] **LWR-LW**=Enlighted Sensor, 8'–16' Mounting Height[26] **LWR-LN**=Enlighted Sensor, 16'–40' Mounting Height[26] **DIM10-MS/DIM-L08**=Synapse Occupancy Sensor (<8' Mounting)[19] **DIM10-MS/DIM-L20**=Synapse Occupancy Sensor (9'-20' Mounting)[19] **DIM10-MS/DIM-L40**=Synapse Occupancy Sensor (21'-40' Mounting)[19]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor[24] **GLEON-MT1**=Field Installed Mesh Top for 1-4 Light Squares **GLEON-MT2**=Field Installed Mesh Top for 5-6 Light Squares **GLEON-MT3**=Field Installed Mesh Top for 7-8 Light Squares **GLEON-MT4**=Field Installed Mesh Top for 9-10 Light Squares **GLEON-QM**=Quick Mount Arm Kit[11] **GLEON-QMEA**=Quick Mount Extended Arm Kit[12] **LS/HSS**=Field Installed House Side Shield[28,30] **LS/GRSBK-2PK**=Glare Reducing Shield, Black[23,30] **LS/GRSWH-2PK**=Glare Reducing Shield, White[23,30] **LS/PFS**=Perimeter Shield, Black[15] **WOLC-7P-10A**=WaveLinx Outdoor Control Module[19,31] **WOB-XX**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting[13,32] **WOF-XX**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting[13,32] **SWPD4-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting[13,19,32,33] **SWPD5-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting[13,19,32,33]

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. Not compatible with MS/4-LXX or MS/1-LXX sensors.
5. Not compatible with extended quick mount arm (QMEA).
6. Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).
7. Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
8. 480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.)
9. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
10. Factory installed.
11. Maximum 8 light squares.
12. Maximum 6 light squares.
13. Requires ZW or ZD receptacle.
14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
15. Set of 4 pcs. One set required per Light Square.
16. Not available with HA option.
17. 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
18. Not available with Enlighted wireless sensors.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture.
21. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
23. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
24. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
25. Replace X with number of Light Squares operating in low output mode.
26. Enlighted wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities.
27. Not available with house side shield (HSS).
28. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
29. CE is not available with the LWR, MS, MS/X, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only.
30. One required for each Light Square.
31. Requires PR7.
32. Replace XX with sensor color (WH, BZ or BK.)
33. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
34. Smart device with mobile application required to change system defaults. See controls section for details.
35. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
36. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**D**=Standard Dome Camera **H**=Hi-Res Dome Camera **Z**=Remote PTZ Camera	**C**=Cellular, No SIM **A**=Cellular, AT&T **V**=Cellular, Verizon **S**=Cellular, Sprint	**R**=Cellular, Rogers **W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

ORDERING INFORMATION

Sample Number: XTOR6B-W-WT-PC1

Domestic Preferences[17]	Series[1]	LED Kelvin Color	Housing Color	Options (Add as Suffix)
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**Full Cutoff** **XTOR6B**=58W **XTOR8B**=81W **XTOR12B**=102W **Refractive Lens** **XTOR6BRL**=58W **XTOR8BRL**=81W **XTOR12BRL**=102W	**[Blank]**=Bright White (Standard) 5000K **W**=Neutral, 4000K **Y**=Warm, 3000K	**[Blank]**=Carbon Bronze (Standard) **WT**=Summit White **BK**=Black **BZ**=Bronze **AP**=Grey **GM**=Graphite Metallic **DP**=Dark Platinum	**347V**=347V[2,3,4,5] **480V**=480V[2,3,4,5,6] **PC1**=Photocontrol 120V[7] **PC2**=Photocontrol 208-277V[7,8] **MS-L20**=Motion Sensor for ON/OFF Operation[2,3,9,10] **MS/DIM-L20**=Motion Sensor for Dimming Operation[2,3,9,10,11,12,13] **CBP**=Cold Weather Battery Pack[2,3,14,15,16] **HA**=50°C High Ambient[16]

Accessories (Order Separately)[18]	
WG-XTORMX=Crosstour MAXX Wire Guard **PB120V**=Field Installed 120V Photocontrol **PB277V BUTTON PC**=Field Installed 208-277V Photocontrol[8]	**EWP/XTORMX**=Escutcheon Wall Plate, Carbon Bronze **EWP/XTORMX-WT**=Escutcheon Wall Plate, Summit White **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor[13]

NOTES:
1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Not available with HA option.
3. Deep back box is standard for 347V, 480V, CBP, MS-L20 and MS/DIM-L20.
4. Not available with CBP option.
5. Thru-branch wiring not available with HA option or with 347V.
6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
7. Not available with MS-L20 and MS/DIM-L20 options.
8. Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
9. For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'.
10. 120V thru 277V only.
11. Factory set to 50% power reduction after 15-minutes of inactivity. Dimming driver included.
12. Includes integral photo sensor.
13. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff, and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
14. 120V or 277V operation only.
15. Operating temperatures -20°C to 25°C.
16. Not available in XTOR12B or XTOR12BRL models.
17. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
18. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

STOCK ORDERING INFORMATION

Domestic Preferences[1]	58W Series	81W Series	102W Series
[Blank]=Standard	**Full Cutoff**		
BAA=Buy American Act	**XTOR6B**=58W, 5000K, Carbon Bronze	**XTOR8B**=81W, 5000K, Carbon Bronze	**XTOR12B**=102W, 5000K, Carbon Bronze
TAA=Trade Agreements Act	**XTOR6B-PC1**=58W, 5000K, 120V PC, Carbon Bronze	**XTOR8B-PC1**=81W, 5000K, 120V PC, Carbon Bronze	
	XTOR6B-WT= 58W, 5000K, Summit White	**XTOR8B-WT**=81W, 5000K, Summit White	
	XTOR6B-W=58W, 4000K, Carbon Bronze	**XTOR8B-PC2**=81W, 5000K, 208-277V PC, Carbon Bronze	
	XTOR6B-PC2= 58W, 5000K, 208-277V PC, Carbon Bronze	**XTOR8B-347V**=81W, 5000K, Carbon Bronze, 347V	
	Refractive Lens		
	XTOR6BRL=58W, 5000K, Refractive Lens, Carbon Bronze	**XTOR8BRL**=81W, 5000K, Refractive Lens, Carbon Bronze	**XTOR12BRL**=102W, 5000K, Refractive Lens, Carbon Bronze
	XTOR6BRL-PC1=58W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	**XTOR8BRL-PC1**=81W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	**XTOR12BRL-W**=102W, 4000K, Refractive Lens, Carbon Bronze
	XTOR6BRL-WT=58W, 5000K, Refractive Lens, Summit White	**XTOR8BRL-WT**=81W, 5000K, Refractive Lens, Summit White	**XTOR12RBL-347V**=102W, 5000K, Refractive Lens, Carbon Bronze, 347V
	XTOR6BRL-W=58W, 4000K, Refractive Lens, Carbon Bronze	**XTOR8BRL-PC2**=81W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	
	XTOR6BRL-PC2=58W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	**XTOR8BRL-W**=81W, 4000K, Refractive Lens, Carbon Bronze	
	XTOR6BRL-347V=58W, 5000K, Refractive Lens, Carbon Bronze, 347V	**XTOR8BRL-347V** = 81W, 5000K, Refractive Lens, Carbon Bronze, 347V	

NOTES:
1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

ZUMTOBEL

DOWNLIGHT WALL WASH ADJUSTABLE ACCENT

QUICK SHIP PANOS 5.25" Round Downlight

Damp location rated, standard
Available for wet location rating[1]

Energy Star listed for 3500K and 4000K models only
11 W variant is IC rated

IBEW UNION MADE

Order Code

[A] PANOS | D | 3 | 150 | R | 6 | 7 | 8 | 9 | 10 | [B] PANOS | TG | 150DL | R | 15 | DA | 17 | 18 | [C] 19

[A] DOWNLIGHT		
1	FIXTURE	**PANOS**
2	TYPE	**D** Recessed Downlight
3	TRIM TYPE	**N** Standard Flange
4	SIZE	**150** 5.25" Aperture
5	SHAPE	**R** Round
6	DISTRIBUTION	**L** Low Reflector
7	WATTAGE	**11W** 11 Watts | **25W** 25 Watts
8	LED MODULE	**935** CRI 90, 3500 K
9	REFLECTOR FINISH	**CS** Clear Semi-Specular
10	FLANGE FINISH	**W** White
[B] DRIVER		
11	FIXTURE	**PANOS**
12	CEILING TYPE	**TG** T-Grid Accessible[2]
13	SIZE	**150DL** 5.25" Aperture
14	SHAPE	**R** Round
15	WATTAGE	**11W** 11 Watts | **25W** 25 Watts
16	DRIVER	**DA** 0-10 V Dimming Driver, 1%
17	VOLTAGE	**1** 120 V | **2** 277 V
18	OPTIONS	**EM** Battery Pack[3] | **EQ** Earthquake Plate (inaccessible ceiling only; not for retrofit applications)
[C] MOUNTING ACCESSORIES		
19	OPTIONS	**11052067** PC Mounting Ring Flush/Plaster Ceilings | **11054650** RND 5.25" Extended Mounting Ring Flush/Plaster Ceilings (CA) | **F0409626** Sheetrock Mounting Plate to be Used w/ Hanger Bar Install | **U0059500** Hanger Bar Assembly[4]

Round 5.25" (134mm)

1 Wet location with accessory-flanged models only.
2 For T-Grid Ceiling tiles larger than 2' x 2', order extension cable E0051101.
3 EM not available with Earthquake Plate.
4 F0409626 comes as standard with TG ceiling only. U0059500 hanger bars must always be ordered separately if needed.

Cushing Terrell
cushingterrell.com
800.757.9522

Tires LES SCHWAB

LES SCHWAB TIRE CENTER - SANTAQUIN, UT
SANTAQUIN, UT 84655
LOT 10 OF RIDLEYS SUBDIVISION, PLAT C

PERMIT SET

2023.05.08
PROJECT #|LSUT_21SANTA
DRAWN BY | SCHUPP
CHECKED BY | GRAGG
REVISIONS
-

Know what's below. Call before you dig.

LIGHTING CUTSHEETS

E200

Cushing Terrell

cushingterrell.com
800.757.9522

1 A2.0 EXTERIOR PLANNING VIEW 01
NO SCALE

2 A2.0 EXTERIOR PLANNING VIEW 02
NO SCALE

3 A2.0 EXTERIOR PLANNING VIEW 03
NO SCALE

LOT 10 OF RIDLEYS SUBDIVISION, PLAT C
SANTAQUIN, UT 84655
6 BAY LINEAR STORE

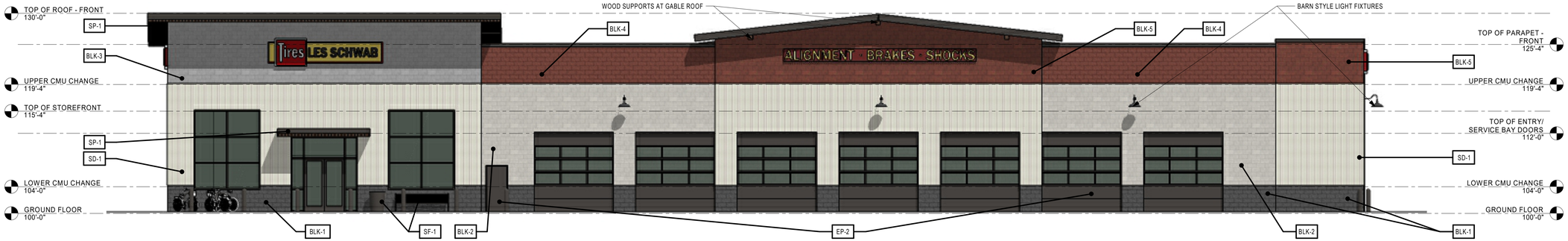
LES SCHWAB TIRE CENTER - SANTAQUIN, UT

ENTITLEMENT SET

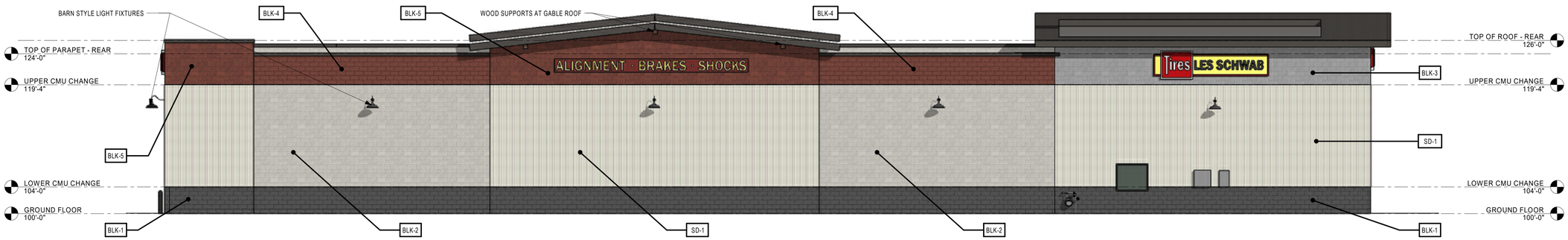
05.08.2023
DESIGNED BY | NELSON
DRAWN BY | PULIDO
REVISIONS

EXTERIOR VIEWS

A2.0A



1 FRONT ELEVATION
SCALE: 1/8" = 1'-0"



2 REAR ELEVATION
SCALE: 1/8" = 1'-0"

3 SHOWROOM ELEVATION
SCALE: 1/8" = 1'-0"

4 LOADING ELEVATION
SCALE: 1/8" = 1'-0"

ELEVATION GENERAL NOTES:

A. ANY SIGNAGE DEPICTED ON ELEVATIONS IS TO BE PERMITTED SEPARATELY, BY OWNER.
B. ALL VERTICAL DIMENSIONS SHOWN ARE FROM FINISH FLOOR.
C. REF CIVIL AND STRUCTURAL DRAWINGS FOR GRADE CHANGES AND RETAINING WALL DIMENSIONS AND LOCATIONS.
D. CONNECT ALL ROOF DRAINS AND DOWNSPOUTS TO SUBGRADE DRAINAGE SYSTEM. REF CIVIL DRAWINGS
E. COORDINATE WITH SIGNAGE PLANS REQUIRED STRUCTURAL BACKING IN METAL PANEL SYSTEM AND REQUIRED ELECTRICAL ROUGH-IN LOCATIONS
F. PROVIDE BACKING AT LOCATIONS WHERE EXTERIOR LIGHTS ARE SHOWN ON METAL PANEL SYSTEM. COORDINATE WITH LIGHT MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS.
G. EXPOSED STEM CONCRETE WALLS IN LANDSCAPED AREAS ARE TO HAVE MULCH OR GROUNDCOVER AGAINST EXPOSED CONCRETE TO HIDE FOOTING
H. REFER TO SHEET E501 LIGHTING FIXTURE SCHEDULE FOR EXTERIOR LIGHT FIXTURE MOUNTING HEIGHTS
I. VERIFY LOCAL FIRE DEPARTMENT REQUIREMENTS FOR ADDRESS NUMBER LOCATION

MATERIAL LEGEND:

BLK-1	SUNROC CMU SPLIT FACE, (BLACK)
BLK-2	SUNROC CMU HONED, (WHITE)
BLK-3	SUNROC CMU SMOOTH, (CHARCOAL)
BLK-4	SUNROC CMU SPLIT FACE, (SONOMA)
BLK-5	SUNROC CMU SMOOTH, (SONOMA)
SD-1	CEMENTITIOUS BOARD & BATTEN SIDING (WHITE)
SP-1	SOFFIT PANEL PAC-CLAD FLUSH SOLID W/ PVDF WOOD GRAIN FINISH (COPPER)
SF-1	SITE FURNISHINGS IN BLACK, TRASH RECEPTICLE AND BENCH
EP-2	EXTERIOR PAINT SUPERPAINT EXTERIOR ACRYLIC LATEX SATIN A89W01151 (MATCH KAWNEER #40 DARK BRONZE), REF SPEC

Cushing Terrell
cushingterrell.com
800.757.9522

Tires LES SCHWAB®

LOT 10 OF RIDLEYS SUBDIVISION, PLAT C
SANTAQUIN, UT 84655
6 BAY LINEAR STORE

LES SCHWAB TIRE CENTER - SANTAQUIN, UT

ENTITLEMENT SET

05.08.2023

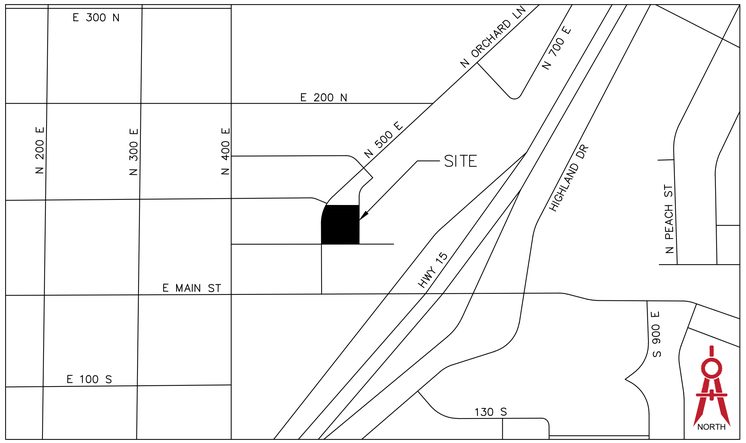
DRAWN BY | NELSON
REVISIONS

EXTERIOR ELEVATIONS

A2.1

QUICK QUACK SANTAQUIN 500 EAST
SANTAQUIN, UT

VICINITY MAP



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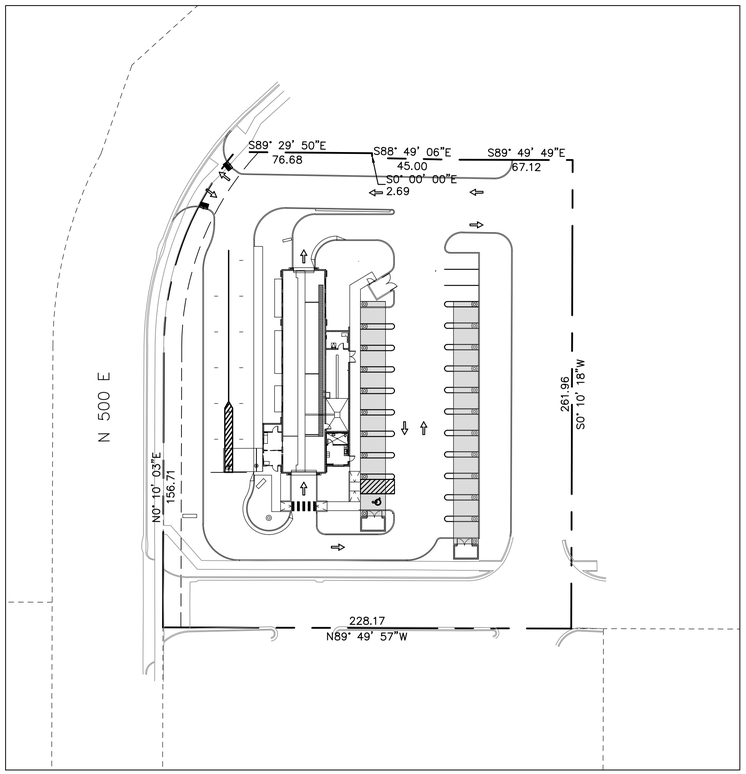

SITE MAP
1"=40'

INDEX

PROJECT ENGINEER:
LARVIN POLLOCK
ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
(801) 718-5993
LARVIN@ELEVATENG.COM

DEVELOPER:
RUSS NELSON
LONESTAR BUILDERS
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
(435) 757-0400
RUSS.NELSON@LONESTARBUILDERSINC.COM

SITE DATA

LOT AREA:	58,872	SF (1.35 ACRES)
BUILDING AREA:	4,081	SF± 6.9%
PAVEMENT AREA:	39,102	SF± 66.5%
LANDSCAPE AREA:	15,689	SF± 26.6%

ZONING: C-1 (GENERAL COMMERCIAL)
CONDITIONAL USE
PARCEL ID#: 517170008

NOTE: THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

NOTE: ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.

LEGEND & ABBREVIATION TABLE

R.O.W./PROPERTY LINE		EXISTING CURB AND GUTTER	
EASEMENT LINE		PROPOSED CURB AND GUTTER	
CENTER LINE		INVERT ELEVATION	I.E.
PROPOSED TRAIL		TOP BACK CURB	TBC
PROPOSED WATER LINE	W	TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION	PI	TOP OF GRATE	TOG
PROPOSED GROUND WATER DRAIN	GW	FINISHED GRADE	FG
PROPOSED SEWER LINE	SS	TOP OF CONCRETE	TC
PROPOSED STORM DRAIN LINE	SD	HIGH WATER ELEVATION	HWE
EXISTING SEWER LINE	SS	CATCH BASIN	
EXISTING WATER LINE	W	SURFACE FLOW DIRECTION	
EXISTING STORM DRAIN LINE	SD	PROPOSED STREET LIGHT	
EXISTING CONTOUR	4960	STORM DRAIN MANHOLE	D
FINISHED CONTOUR	47.00	SANITARY SEWER MANHOLE	S
		PROPOSED WATER VALVE	WV

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JM

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PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

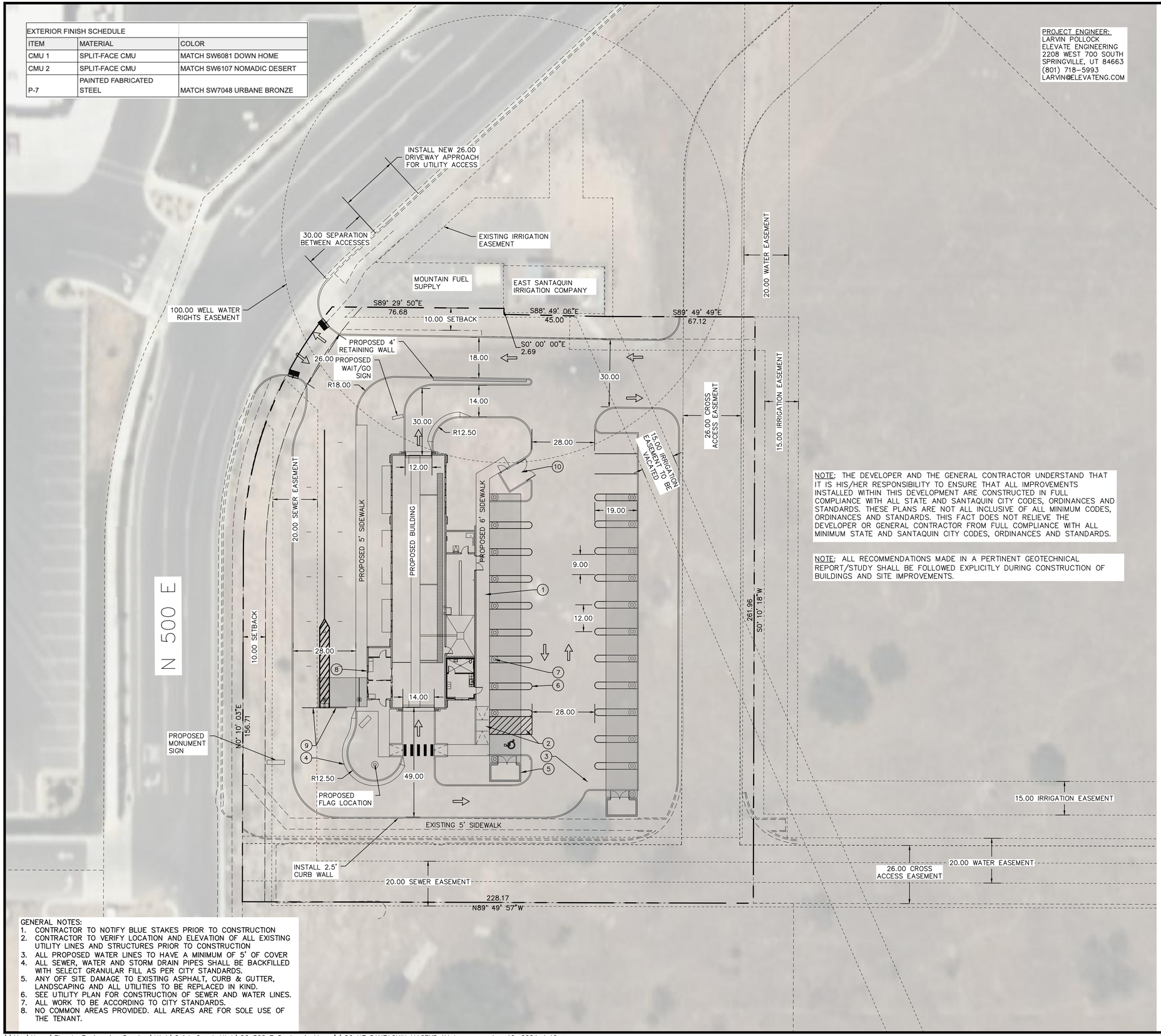
QUICK QUACK SANTAQUIN 500 EAST
COVER SHEET
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
8/15/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET:
G-0

DATE: Aug 15, 2024

EXTERIOR FINISH SCHEDULE		
ITEM	MATERIAL	COLOR
CMU 1	SPLIT-FACE CMU	MATCH SW6081 DOWN HOME
CMU 2	SPLIT-FACE CMU	MATCH SW6107 NOMADIC DESERT
P-7	PAINTED FABRICATED STEEL	MATCH SW7048 URBANE BRONZE



GENERAL NOTES:
1. CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
2. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
3. ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
4. ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
5. ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
6. SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
7. ALL WORK TO BE ACCORDING TO CITY STANDARDS.
8. NO COMMON AREAS PROVIDED. ALL AREAS ARE FOR SOLE USE OF THE TENANT.

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NOTE: THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

NOTE: ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.

LEGEND

LOT LINES (PROPERTY)	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
STRIPING	
BUILDING SETBACK	
LANDSCAPE SETBACK	
EXISTING BUILDING	
EXISTING FENCE	x
TOP BACK OF CURB	TBC
FINISHED FLOOR ELEVATION	FFE
LANDSCAPE AREA	
CONCRETE AREA	
CANOPY	

SITE DATA

LOT AREA:	58,872	SF (1.35 ACRES)
BUILDING AREA:	4,081	SF± 6.9%
PAVEMENT AREA:	39,102	SF± 66.5%
LANDSCAPE AREA:	15,689	SF± 26.6%

ZONING: C-1 (GENERAL COMMERCIAL)
CONDITIONAL USE
PARCEL ID#: 517170008

BUILDING DATA

CONSTRUCTION TYPE: V-B
SPRINKLERS: NO
SETBACKS:
FRONT=10 FEET
REAR=10 FEET
SIDE=10 FEET

PARKING TABULATION

REQUIRED: 5 STALLS PER 1,000 SF
PROVIDED: 3 STALLS
1 ADA STALL

VACUUM STALLS:	19 STALLS
ADA STALLS:	1 STALL
NON-VACUUM STALL:	3 STALLS
STACKING:	14 STALLS
TUNNEL LENGTH:	114 FEET

NOTES:

1. PROPOSED 6' SIDEWALK PER DRAWING NO. CG5. SEE SHEET C-5 FOR DETAILS.
2. ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER DRAWING NO. CG1. SEE SHEET C-5 FOR DETAILS.
3. PROPOSED CURB & GUTTER TYPE E PER DRAWING NO. CG4. SEE SHEET C-5 FOR DETAILS.
4. PROPOSED ROLL CURB PER CURB & GUTTER TRANSITION DETAIL. SEE SHEET C-5 FOR DETAILS.
5. CONSTRUCT VACUUM ENCLOSURE WITH CONCRETE PAD AND APRON. INSTALL OWNER PROVIDED VACUUM EQUIPMENT, UNDERGROUND TRUNK LINES, PIPING, ETC. COORDINATE WITH ARCHITECTURAL PLANS.
6. PAINT 4" SOLID YELLOW PAINT STRIPE AS SHOWN (TYPICAL).
7. INSTALL OWNER PROVIDED "TOMMY BALL" PLANTERS/GARBAGE RECEPTACLE (TYPICAL). COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
8. INSTALL OWNER PROVIDED PAY STATIONS WITH CANOPY. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
9. INSTALL OWNER PROVIDED GATES AND LOOP DETECTION SYSTEM. COORDINATE TIMING OF INSTALLATION PRIOR TO CONSTRUCTION OF PAVEMENT. SEE ARCHITECTURAL PLANS FOR DETAILS.
10. PROPOSED DUMPSTER LOCATION. SEE SHEET C-5 FOR DETAILS.

CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

NORTH

SCALE: 1" = 20'
0 10 20 30 40 60

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JDW

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
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PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

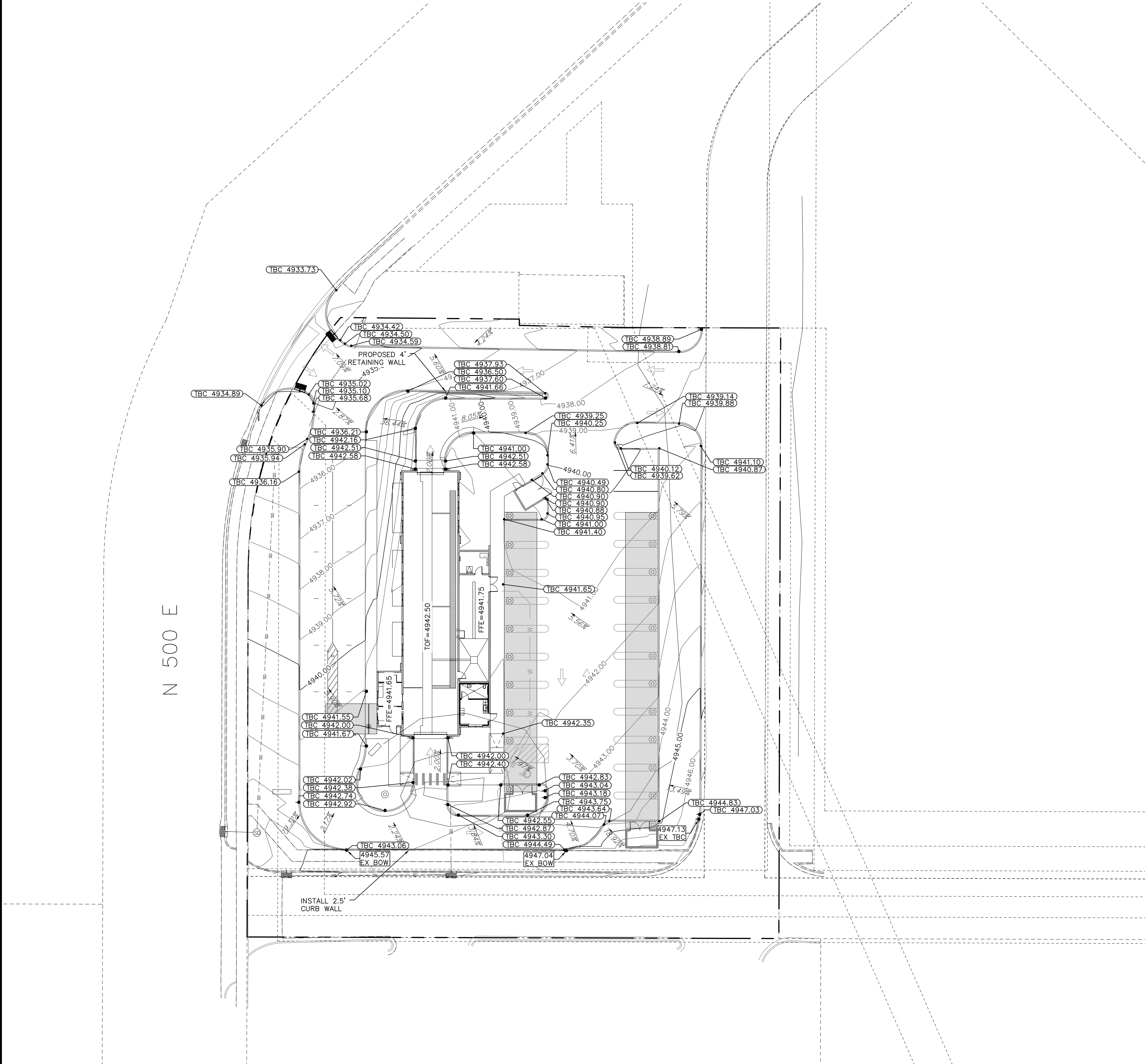
QUICK QUACK SANTAQUIN 500 EAST
SITE PLAN
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
8/16/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET:
C-1

DATE:
Aug 16, 2024

\\Mac\Home\Elevate Engineering Dropbox\Utah\Quick Quack Utah\QQ 500 E Santaquin Macey's\QQ UT SANTAQUIN MACEYS 1M.dwg — — Aug 16, 2024-1:12pm



LEGEND

LOT LINES (PROPERTY)	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
PROPOSED STORM DRAIN LINE	—SD—SD—SD—
EXISTING STORM DRAIN LINE	--SD----SD----SD-
GRADE BREAK	GRADE BREAK
FINISH GRADE CONTOUR LINES	4960
EXISTING GRADE CONTOUR LINES	4960
FINISH GRADE SLOPE	SLOPE
GRADE BREAK	GB
INVERT ELEVATION	IE
TOP OF GRATE	TOG
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
BACK OF SIDEWALK	BOW
EDGE OF ASPHALT	EOA
TOP OF FOUNDATION	TOF

NOTE: THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

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CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

NORTH

SCALE: 1" = 20'

0 10 20 30 40 60

Item 2.

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP DESIGNER: JDW

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST GRADING PLAN

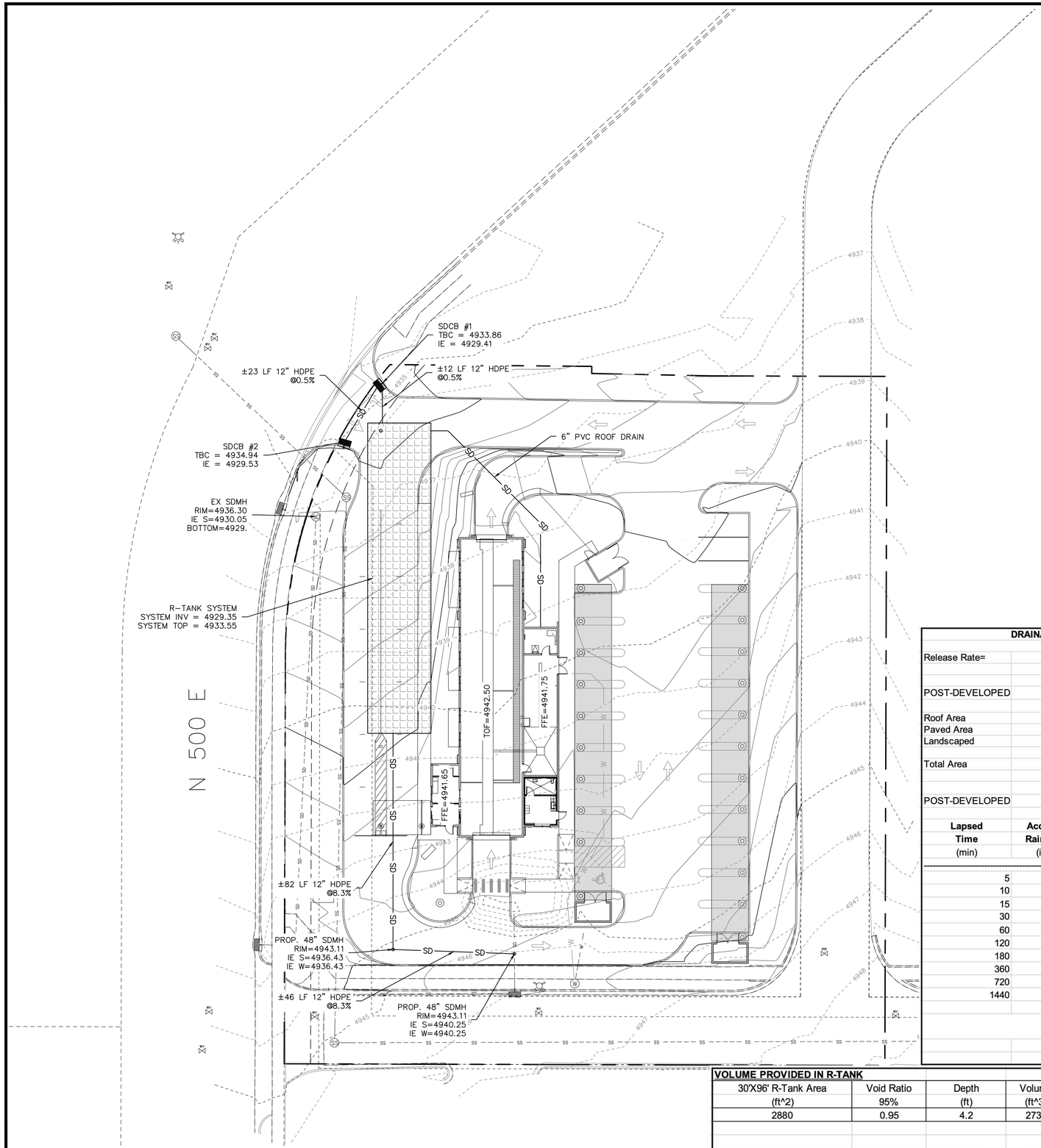
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER 8/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH

SHEET: C-2

DATE: Aug 15, 2024

\\Mac\Home\Elevate Engineering Dropbox\Utah\Quick Quack Utah\QQ 500 E Santaquin Macey's\QQ UT SANTAQUIN MACEYS 1M.dwg – – Aug 15, 2024–9:40am



LEGEND

LOT LINES (PROPERTY)	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
PROPOSED STORM DRAIN LINE	SD
EXISTING STORM DRAIN LINE	SD
GRADE BREAK	GRADE BREAK
FINISH GRADE CONTOUR LINES	4960
EXISTING GRADE CONTOUR LINES	4960
DRAINAGE FLOW ARROWS	

GRADE BREAK	GB
INVERT ELEVATION	IE
TOP OF GRATE	TOG
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
BACK OF SIDEWALK	BOW
EDGE OF ASPHALT	EOA
TOP OF FOUNDATION	TOF

DRAINAGE CALCS FOR QUICK QUACK SANTAQUIN
100 Year Flood Design

Release Rate= **0.00** cfs/acre

POST-DEVELOPED — Runoff Coefficient

Roof Area	**4081**	ft^2	C_roof	0.85	
Paved Area	**37507**	ft^2	C_paved	0.95	
Landscaped	**17223**	ft^2	C_landscaped	0.15	
Total Area	58811	ft^2	Weighted C	0.71	
	1.35	acres	CA :	41684	ft^2

POST-DEVELOPED

Lapsed Time (min)	Accum Rainfall (in)	"CA" (ft^2)	Accum Flow (ft^3)	Allowable Release (ft^3)	Required Storage (ft^3)
5	0.53	41684	1841	0	1841
10	0.806	41684	2800	0	2800
15	1	41684	3474	0	3474
30	1.35	41684	4689	0	4689
60	1.67	41684	5801	0	5801
120	1.86	41684	6461	0	6461
180	1.91	41684	6635	0	6635
360	2.07	41684	7190	0	7190
720	2.4	41684	8337	0	8337
1440	3.03	41684	10525	0	10525

Ridley's Subdivision Phase 2 Required Storage: 920
See "Ridley's Subdivision Phase 2" for calculation

Total Storage Required: 11445

VOLUME PROVIDED IN R-TANK

30'X96' R-Tank Area	Void Ratio	Depth	Volume/LF	Total Volume	
(ft^2)	95%	(ft)	(ft^3)/LF	(ft^3)	
2880	0.95	4.2	2736.00	11491.20	
				Total Individual R-TANK Volume=	11491
				Number of R-TANK Systems	1
				Total Volume Provided Within R-TANK Systems	11491

CALL BEFORE YOU DIG! IT'S THE LAW! BLUE STAKES 1 800 662 4111

NORTH

SCALE: 1" = 20'
0 10 20 30 40 60

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JDW

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 376-5983
tarvin@elevateeng.com

ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
DRAINAGE PLAN
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER 6/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH

SHEET: C-3

DATE: Aug 15, 2024

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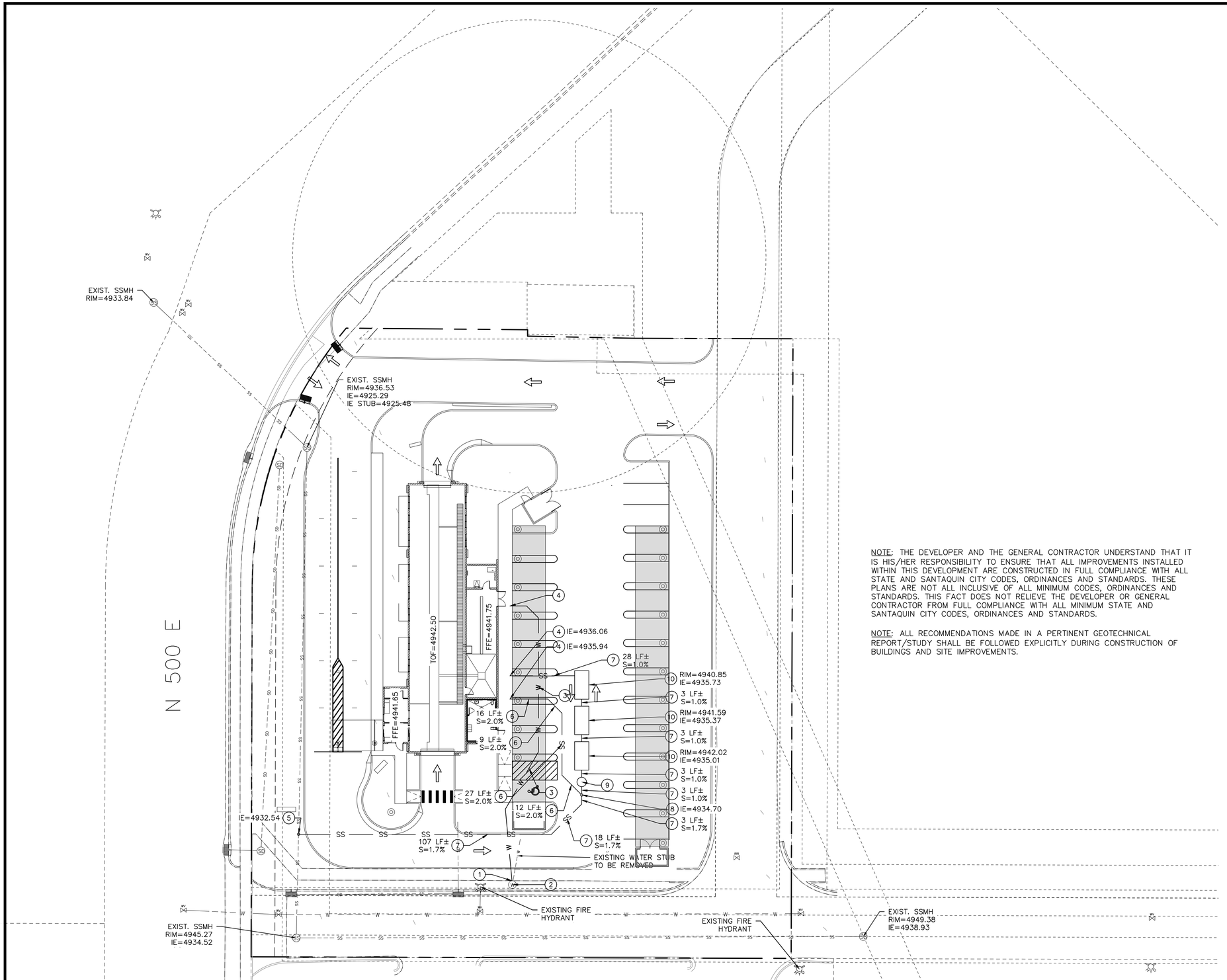

LEGEND

PROPERTY/ROW LINE	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
PROPOSED STORM DRAIN LINE	SD
EXISTING STORM DRAIN LINE	SD
PROPOSED SEWER LINE	SS
EXISTING SEWER LINE	SS
PROPOSED WATER LINE	W
EXISTING WATER LINE	W
INVERT ELEVATION	IE
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
TOP OF FOUNDATION	TOF

DESIGN NOTES:

1. CONNECT TO EXISTING WATER METER PER CITY STANDARDS.
2. EXISTING 2" WATER METER.
3. INSTALL 2" POLY WATER LINE PER CITY STANDARDS.
4. END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
5. CONNECT TO EXISTING SEWER MAIN PER APWA PLAN 431. SEE SHEET C-5 FOR DETAILS. CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO ANY CONSTRUCTION.
6. INSTALL 4"ø PVC SDR-35 SEWER PIPE AT 2% MIN. SLOPE.
7. INSTALL 6"ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE.
8. INSTALL 6" CLEANOUT.
9. INSTALL 48" SANITARY SEWER SAMPLING MANHOLE PER APWA PLAN 411. SEE SHEET C-5 FOR DETAILS. RIM=4942.50 IE IN=4934.98 IE OUT= 4934.73
10. INSTALL 1500 GAL. GREASE INTERCEPTOR/RECLAIM TANKS. INSTALL 3' OF 6"ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE BETWEEN TANKS. COORDINATE WITH PLUMBING PLANS FOR DETAILS.

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GENERAL NOTES:
1. CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
2. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
3. ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
4. ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
5. ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
6. SEE GRADING AND DRAINAGE PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
7. ALL WORK TO BE ACCORDING TO CITY STANDARDS.

CALL BEFORE YOU DIG! IT'S THE LAW! BLUE STAKES 1 800 662 4111

NORTH

SCALE: 1" = 20'

0 10 20 30 40 60

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JDW

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
larvin@elevateeng.com

ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST UTILITY PLAN

78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER 8/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH

SHEET: C-4

DATE: Aug 15, 2024

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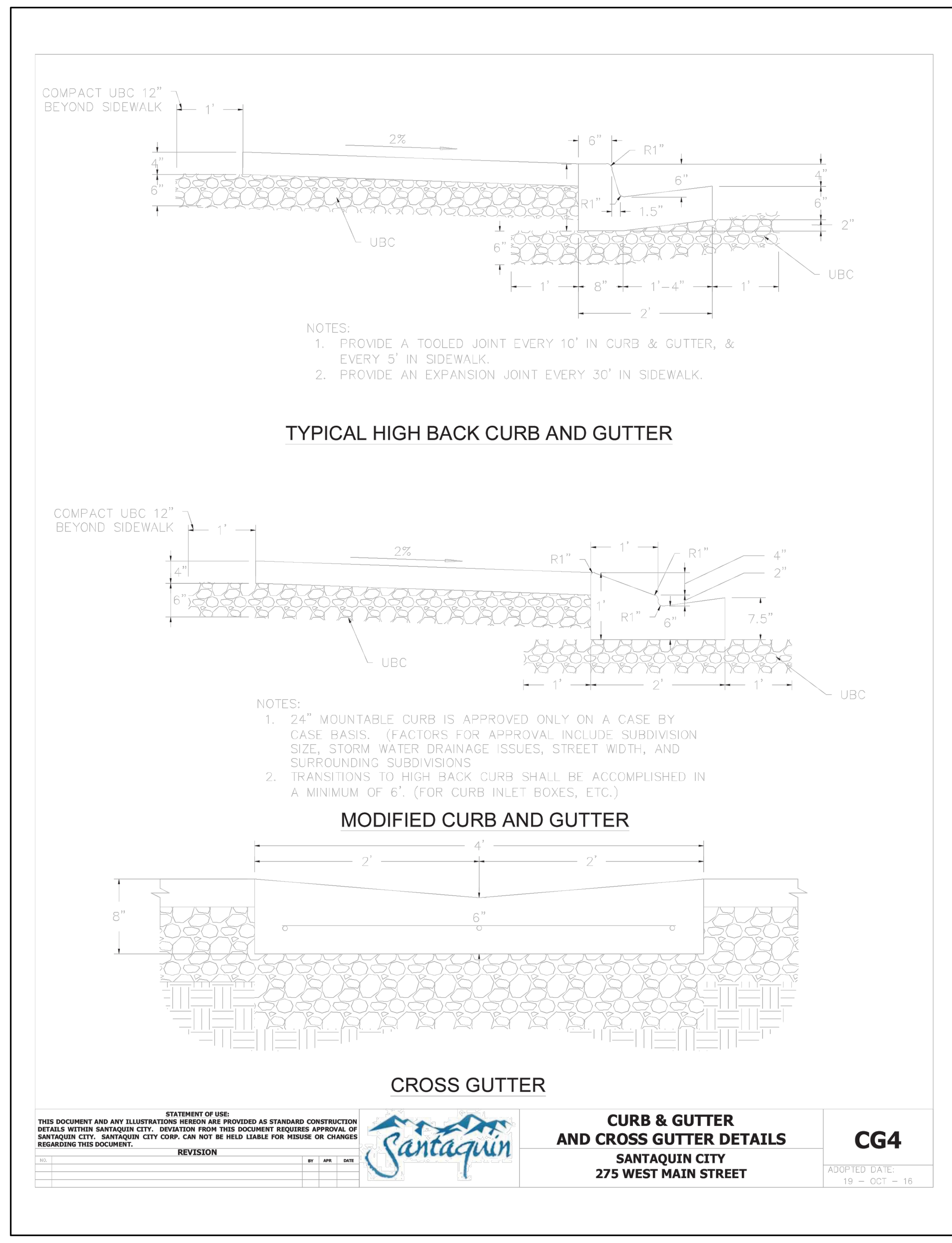

COMPACT UBC 12" BEYOND SIDEWALK
UBC
NOTES:
1. PROVIDE A TOOLED JOINT EVERY 10' IN CURB & GUTTER, & EVERY 5' IN SIDEWALK.
2. PROVIDE AN EXPANSION JOINT EVERY 30' IN SIDEWALK.
TYPICAL HIGH BACK CURB AND GUTTER
NOTES:
1. 24" MOUNTABLE CURB IS APPROVED ONLY ON A CASE BY CASE BASIS. (FACTORS FOR APPROVAL INCLUDE SUBDIVISION SIZE, STORM WATER DRAINAGE ISSUES, STREET WIDTH, AND SURROUNDING SUBDIVISIONS
2. TRANSITIONS TO HIGH BACK CURB SHALL BE ACCOMPLISHED IN A MINIMUM OF 6'. (FOR CURB INLET BOXES, ETC.)
MODIFIED CURB AND GUTTER
CROSS GUTTER
STATEMENT OF USE:
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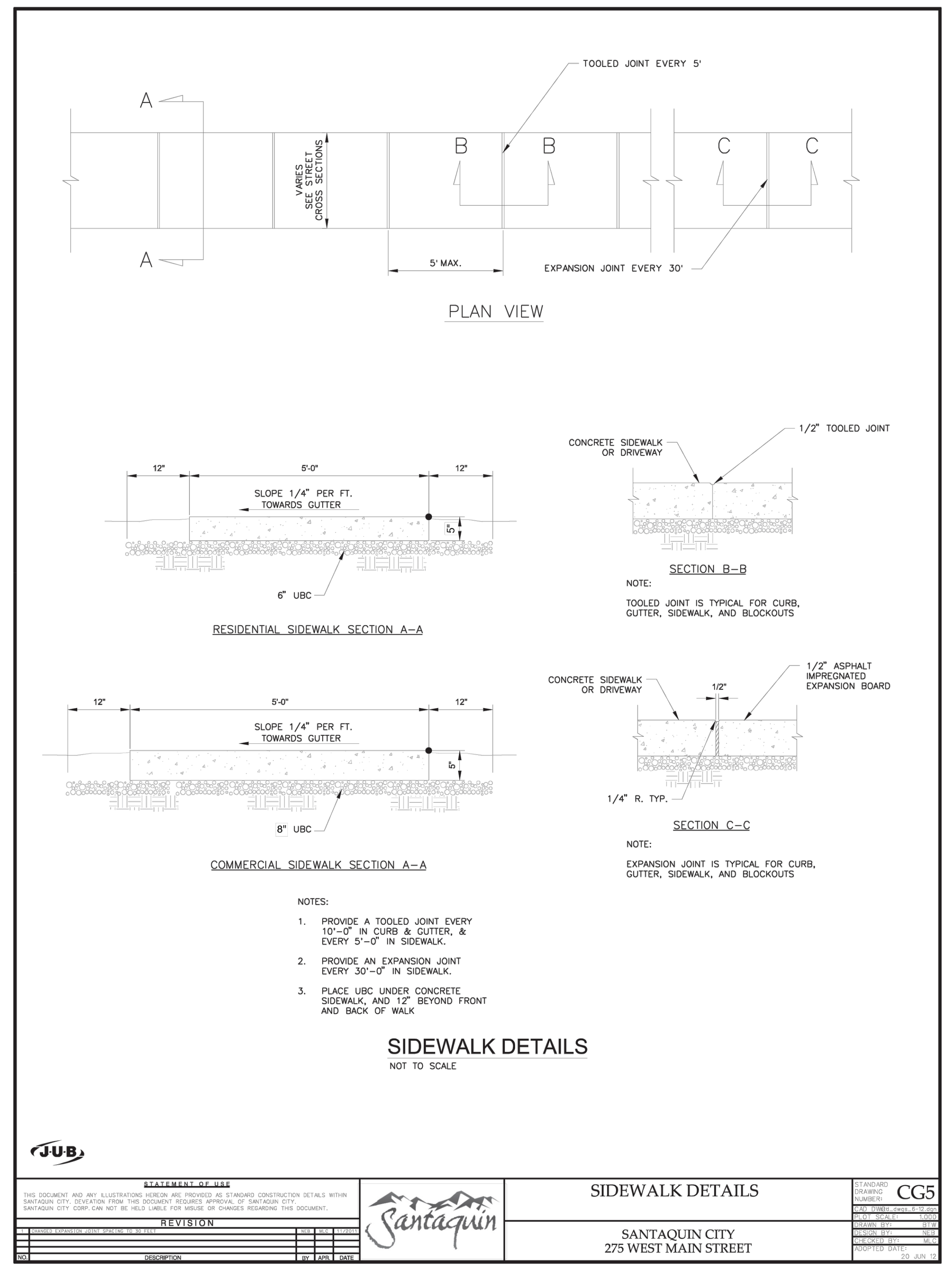
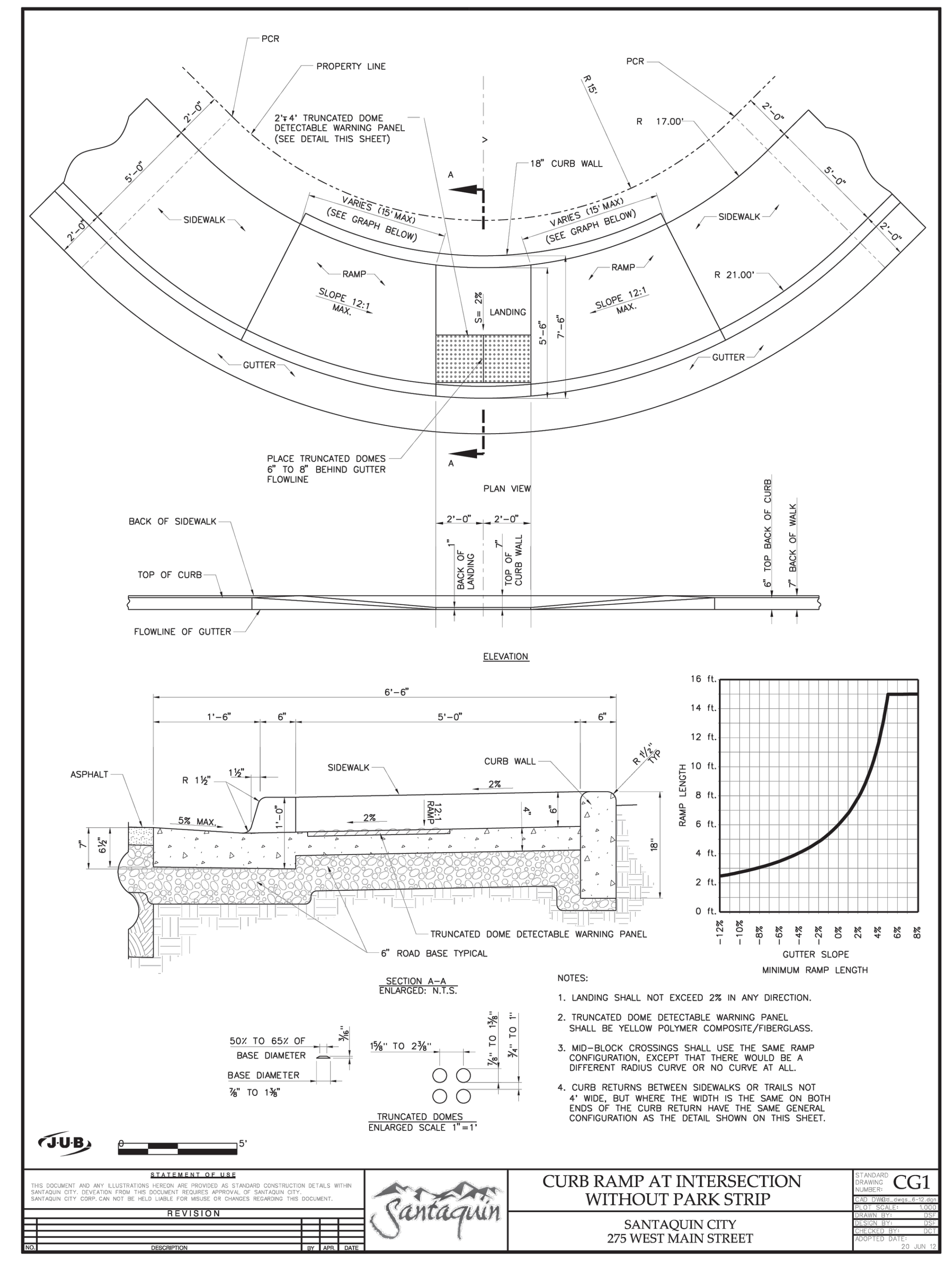
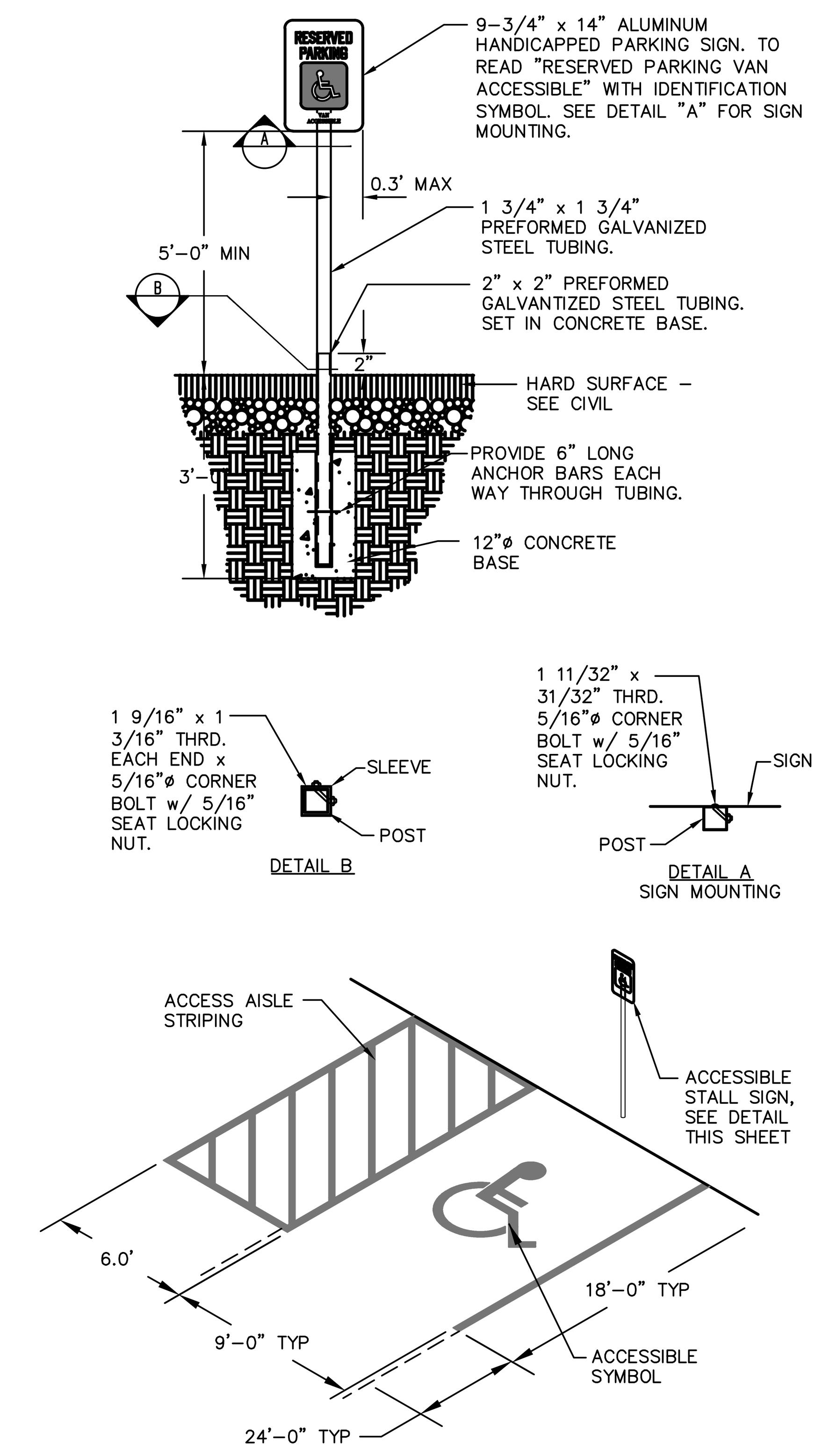
REVISION
Santaquin
CURB & GUTTER AND CROSS GUTTER DETAILS
SANTAQUIN CITY
275 WEST MAIN STREET
CG4
ADOPTED DATE: 19 – OCT – 16



TOOLED JOINT EVERY 5'
VARIES SEE STREET CROSS SECTIONS
5' MAX.
EXPANSION JOINT EVERY 30'
PLAN VIEW
SLOPE 1/4" PER FT. TOWARDS GUTTER
6" UBC
RESIDENTIAL SIDEWALK SECTION A–A
8" UBC
COMMERCIAL SIDEWALK SECTION A–A
CONCRETE SIDEWALK OR DRIVEWAY
1/2" TOOLED JOINT
SECTION B–B
NOTE:
TOOLED JOINT IS TYPICAL FOR CURB, GUTTER, SIDEWALK, AND BLOCKOUTS
1/2" ASPHALT IMPREGNATED EXPANSION BOARD
1/4" R. TYP.
SECTION C–C
NOTE:
EXPANSION JOINT IS TYPICAL FOR CURB, GUTTER, SIDEWALK, AND BLOCKOUTS
NOTES:
1. PROVIDE A TOOLED JOINT EVERY 10'–0" IN CURB & GUTTER, & EVERY 5'–0" IN SIDEWALK.
2. PROVIDE AN EXPANSION JOINT EVERY 30'–0" IN SIDEWALK.
3. PLACE UBC UNDER CONCRETE SIDEWALK, AND 12" BEYOND FRONT AND BACK OF WALK
SIDEWALK DETAILS
NOT TO SCALE
SIDEWALK DETAILS
SANTAQUIN CITY
275 WEST MAIN STREET
CG5

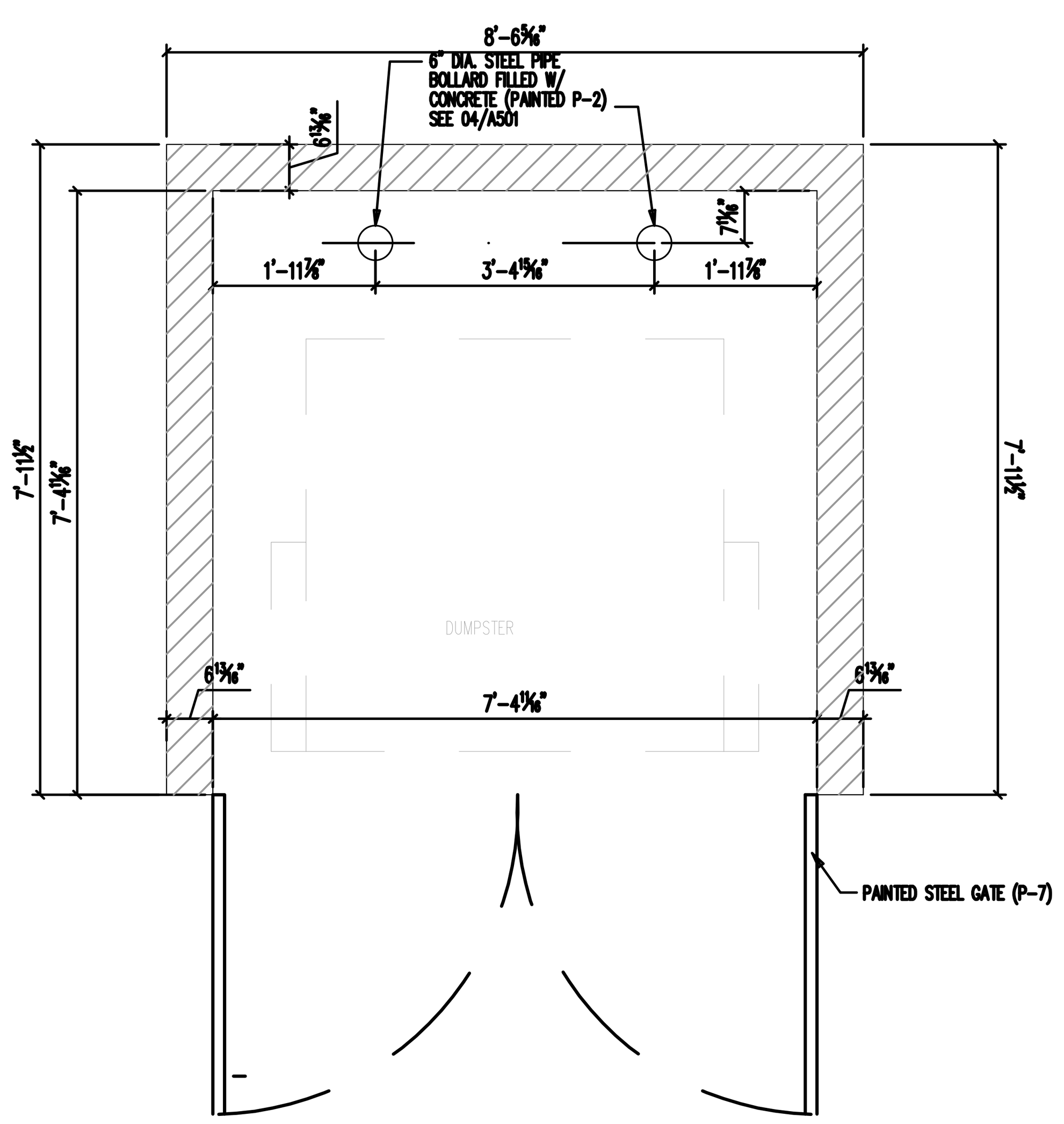


PCR
PROPERTY LINE
2'x 4' TRUNCATED DOME DETECTABLE WARNING PANEL (SEE DETAIL THIS SHEET)
18" CURB WALL
R 17.00'
VARIES (15' MAX) (SEE GRAPH BELOW)
SIDEWALK
RAMP
SLOPE 12:1 MAX.
LANDING
R 21.00'
GUTTER
PLACE TRUNCATED DOMES 6" TO 8" BEHIND GUTTER FLOWLINE
PLAN VIEW
BACK OF SIDEWALK
TOP OF CURB
FLOWLINE OF GUTTER
ELEVATION
ASPHALT
CURB WALL
TRUNCATED DOME DETECTABLE WARNING PANEL
6" ROAD BASE TYPICAL
SECTION A–A
ENLARGED: N.T.S.
RAMP LENGTH
GUTTER SLOPE
MINIMUM RAMP LENGTH
50% TO 65% OF BASE DIAMETER
BASE DIAMETER
TRUNCATED DOMES
ENLARGED SCALE 1"=1'
NOTES:
1. LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRUNCATED DOME DETECTABLE WARNING PANEL SHALL BE YELLOW POLYMER COMPOSITE/FIBERGLASS.
3. MID–BLOCK CROSSINGS SHALL USE THE SAME RAMP CONFIGURATION, EXCEPT THAT THERE WOULD BE A DIFFERENT RADIUS CURVE OR NO CURVE AT ALL.
4. CURB RETURNS BETWEEN SIDEWALKS OR TRAILS NOT 4' WIDE, BUT WHERE THE WIDTH IS THE SAME ON BOTH ENDS OF THE CURB RETURN HAVE THE SAME GENERAL CONFIGURATION AS THE DETAIL SHOWN ON THIS SHEET.
CURB RAMP AT INTERSECTION WITHOUT PARK STRIP
SANTAQUIN CITY
275 WEST MAIN STREET
CG1

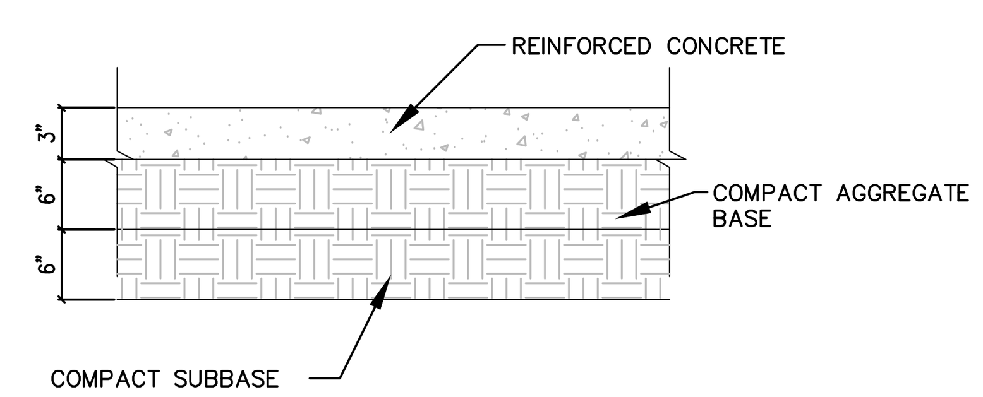


9–3/4" x 14" ALUMINUM HANDICAPPED PARKING SIGN. TO READ "RESERVED PARKING VAN ACCESSIBLE" WITH IDENTIFICATION SYMBOL. SEE DETAIL "A" FOR SIGN MOUNTING.
0.3' MAX
5'–0" MIN
1 3/4" x 1 3/4" PREFORMED GALVANIZED STEEL TUBING.
2" x 2" PREFORMED GALVANTIZED STEEL TUBING. SET IN CONCRETE BASE.
HARD SURFACE – SEE CIVIL
PROVIDE 6" LONG ANCHOR BARS EACH WAY THROUGH TUBING.
12"ø CONCRETE BASE
1 9/16" x 1 3/16" THRD. EACH END x 5/16"ø CORNER BOLT w/ 5/16" SEAT LOCKING NUT.
SLEEVE
POST
DETAIL B
1 11/32" x 31/32" THRD. 5/16"ø CORNER BOLT w/ 5/16" SEAT LOCKING NUT.
SIGN
POST
DETAIL A
SIGN MOUNTING
ACCESS AISLE STRIPING
ACCESSIBLE STALL SIGN, SEE DETAIL THIS SHEET
6.0'
9'–0" TYP
18'–0" TYP
ACCESSIBLE SYMBOL
24'–0" TYP

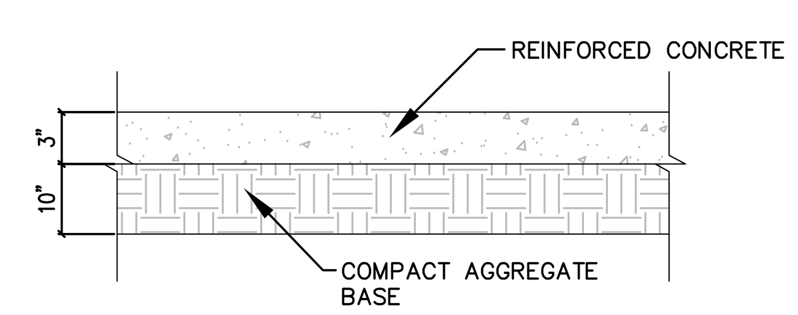
6 ADA SIGNAGE
SCALE: N.T.S.



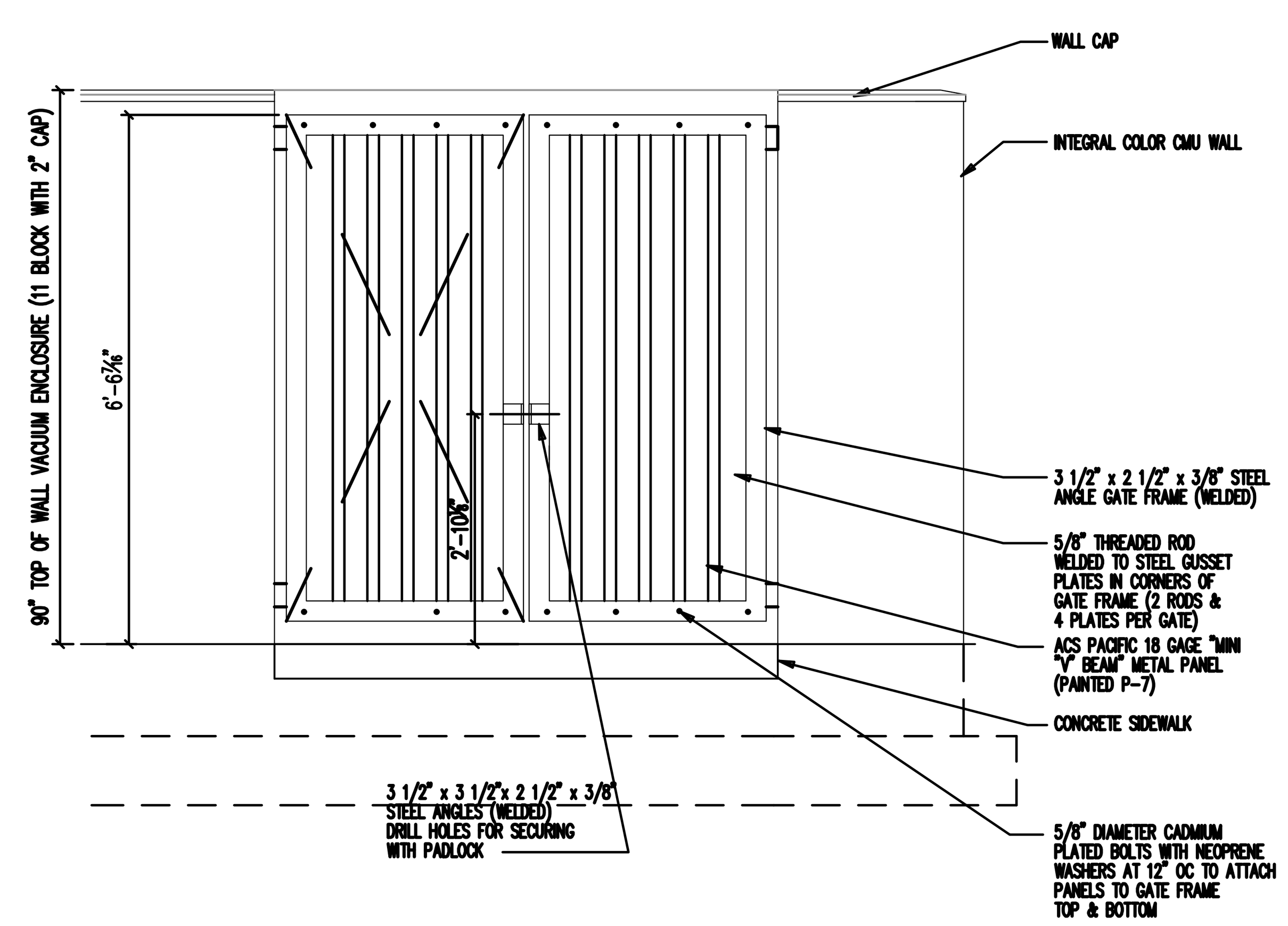
PER GEOTECHNICAL INVESTIGATION
PERFORMED BY EARTHTEC ENGINEERING
PROJECT NO. 240045G



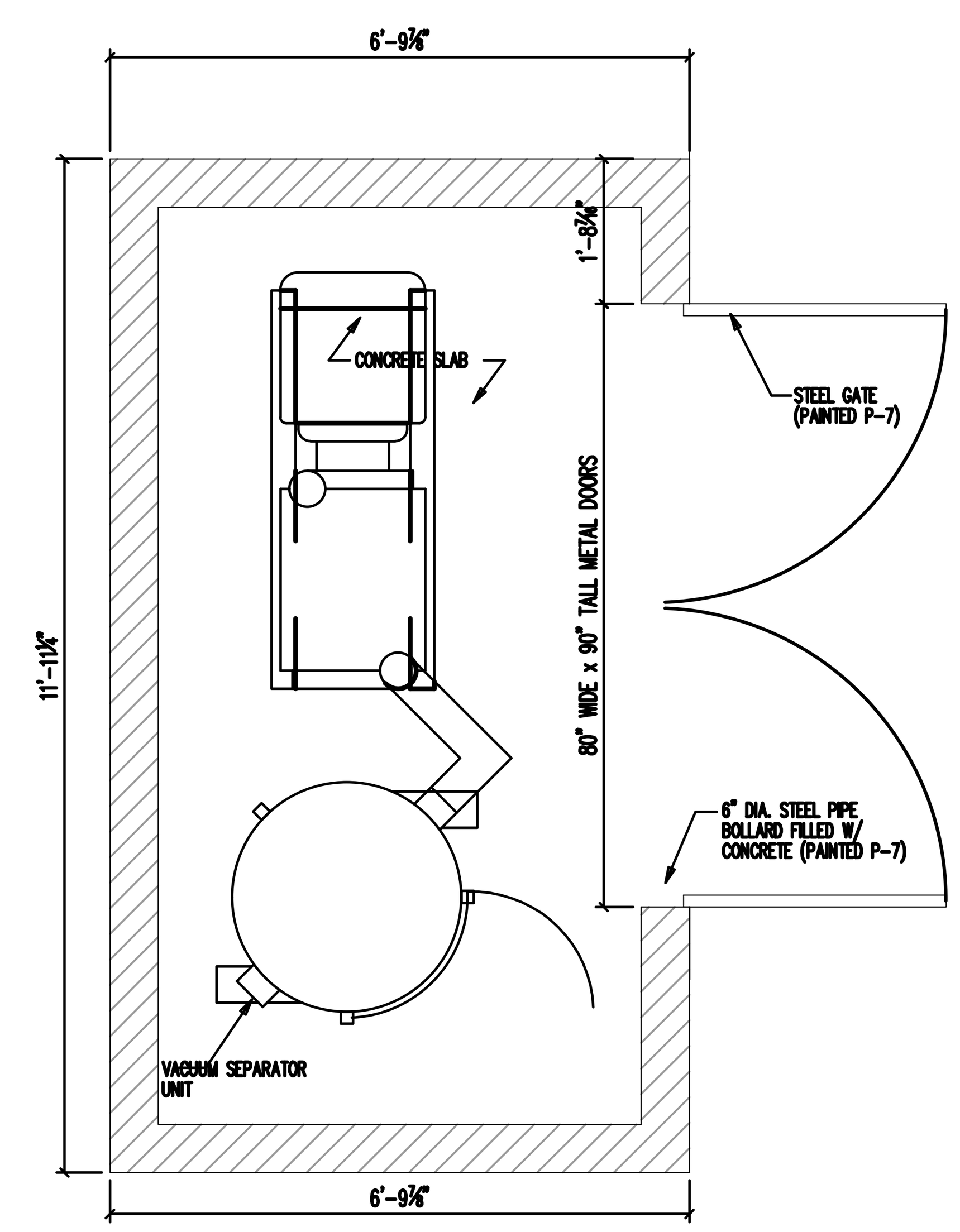
LIGHT DUTY CONCRETE DETAIL
NOT TO SCALE



HEAVY DUTY CONCRETE DETAIL
NOT TO SCALE



WALL CAP
INTEGRAL COLOR CMU WALL
90" TOP OF WALL VACUUM ENCLOSURE (11 BLOCK WITH 2" CAP)
3 1/2" x 2 1/2" x 3/8" STEEL ANGLE GATE FRAME (WELDED)
5/8" THREADED ROD WELDED TO STEEL GUSSET PLATES IN CORNERS OF GATE FRAME (2 RODS & 4 PLATES PER GATE)
ACS PACIFIC 18 GAGE "MINI "V" BEAM" METAL PANEL (PAINTED P-7)
CONCRETE SIDEWALK
3 1/2" x 3 1/2"x 2 1/2" x 3/8" STEEL ANGLES (WELDED) DRILL HOLES FOR SECURING WITH PADLOCK
5/8" DIAMETER CADMIUM PLATED BOLTS WITH NEOPRENE WASHERS AT 12" OC TO ATTACH PANELS TO GATE FRAME TOP & BOTTOM



ELEVATE ENGINEERING
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SPRINGVILLE, UT 84663
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larvin@elevateng.com

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP DESIGNER: JM

QUICK QUACK SANTAQUIN 500 EAST STANDARD DETAILS

78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER 8/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH

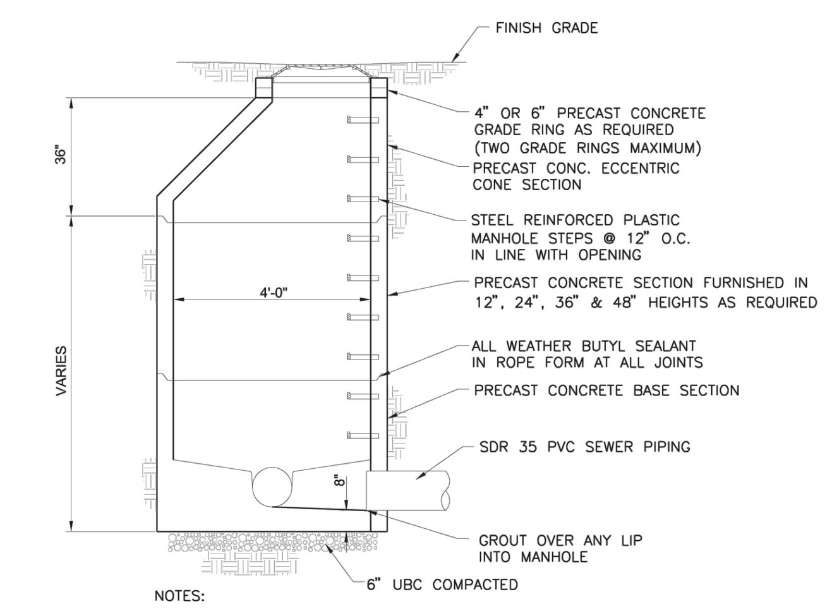
SHEET: C-5

DATE: Aug 15, 2024

Item 2.

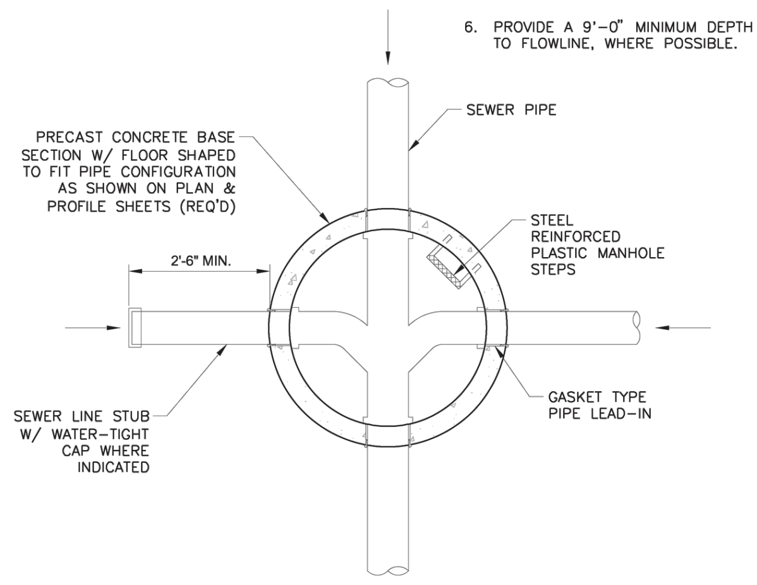
\\Mac\Home\Elevate Engineering Dropbox\Utah\Quick Quack Utah\QQ 500 E Santaquin Macey's\QQ UT SANTAQUIN MACEYS 1M.dwg – – Aug 15, 2024–9:40am

Item 2.



NOTES:

1. FLAT LIDS MAY BE USED IN LIEU OF ECCENTRIC CONES WHERE NECESSARY, AND UPON APPROVAL OF THE CITY ENGINEER. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H20 LIVE LOADING.
2. MANHOLES PLACED IN FIELDS SHALL HAVE SOLID LIDS.
3. MANHOLES OUTSIDE OF ROADWAYS SHALL BE PLACED 4 INCHES ABOVE GRADE.
4. PROVIDE A 0.10 FOOT INVERT ELEVATION DROP ACROSS THE MANHOLE (MINIMUM).
5. 60" MANHOLES SHALL BE REQUIRED WHEN THE SUM OF ALL INLET & OUTLET DIAMETERS IS GREATER THAN 24".
6. PROVIDE A 9'-0" MINIMUM DEPTH TO FLOWLINE, WHERE POSSIBLE.



NOTES:

1. VENTED LIDS REQ'D. IN ALL PAVED STREETS.
2. WHERE FIELD CONDITIONS PROHIBIT COMBINATION OF PRECAST CONC. SECTIONS SHOWN, OTHER COMBINATIONS OF PRECAST CONC. SECTIONS MAY BE USED AS PER ENGINEER'S APPROVAL.
3. SEWER MANHOLE BASES SHALL PROVIDE A 0.10 FOOT INVERT ELEVATION DROP ACROSS THE MANHOLE (MINIMUM).
4. NO COLLARS (CONCRETE NOR ASPHALT) ARE TO BE USED ON MANHOLES WITHIN SANTAQUIN CITY ROW. USE D & L SUPPLY MANHOLE ADAPTER RING(S) (RISER(S)) TO SET RING AND COVER TO FINISH GRADE.
5. EXCAVATIONS FOR MANHOLE ADAPTER RING(S) (RISER(S)) SHALL HAVE VERTICAL SIDE WALLS.

TYPICAL SEWER MANHOLE

NOT TO SCALE

J-U-B 0 40

STATEMENT OF USE
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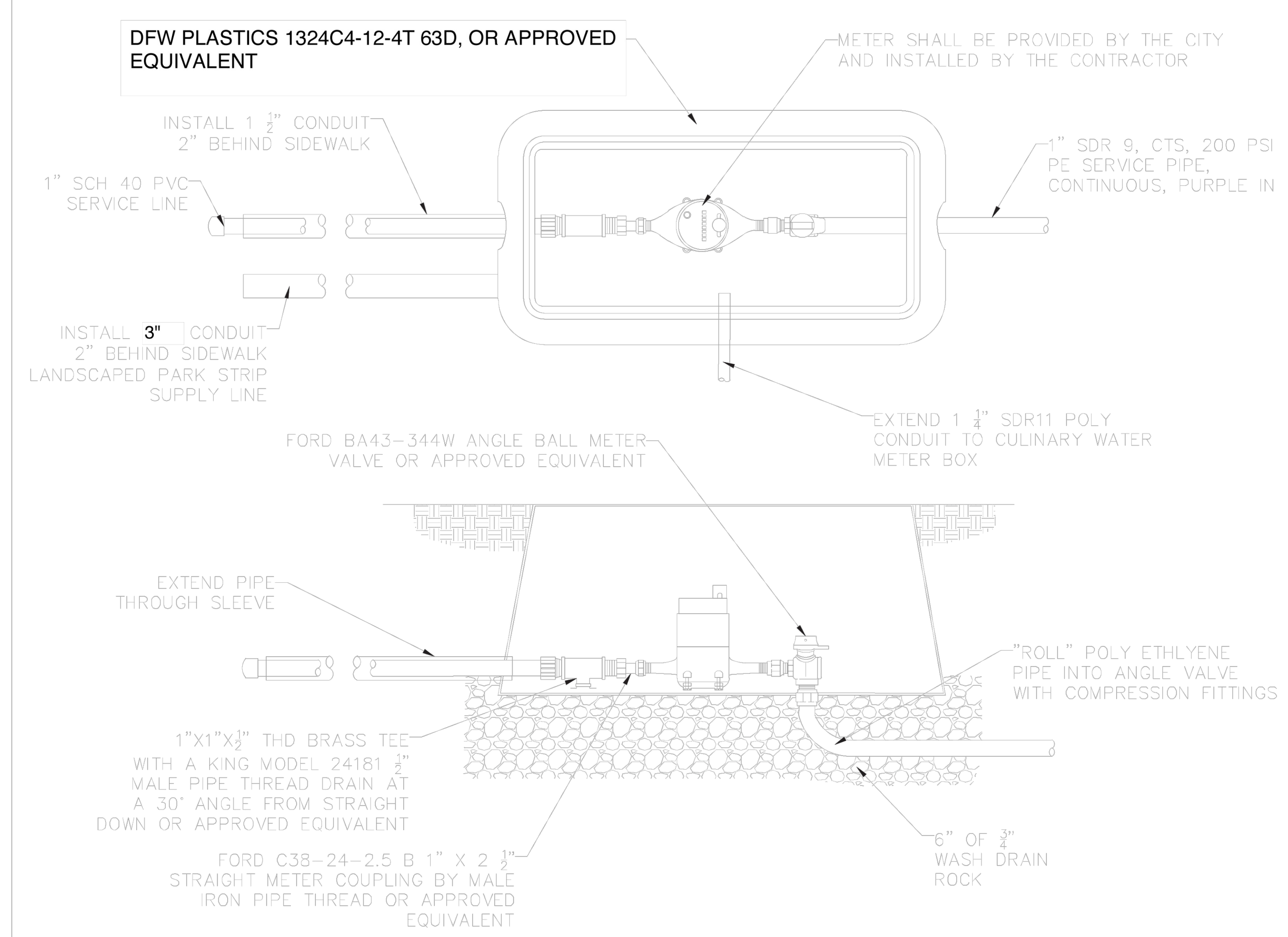
REVISION				
NO.	DESCRIPTION	BY	APR.	DATE
1	ADD "PRECAST CONCRETE MANHOLE SECTION" NOTE	MLC	MLC	11/7/08
2	REMOVED CONCRETE COLLAR, ADDED CALL OUT FOR MANHOLE RISERS & MINOR NOTE CHANGES	NEB	MLC	11/2011

Santaquin

TYPICAL SEWER MANHOLE
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: S1
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: BTW
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12



PRESSURIZED IRRIGATION METER BOX

NOT TO SCALE

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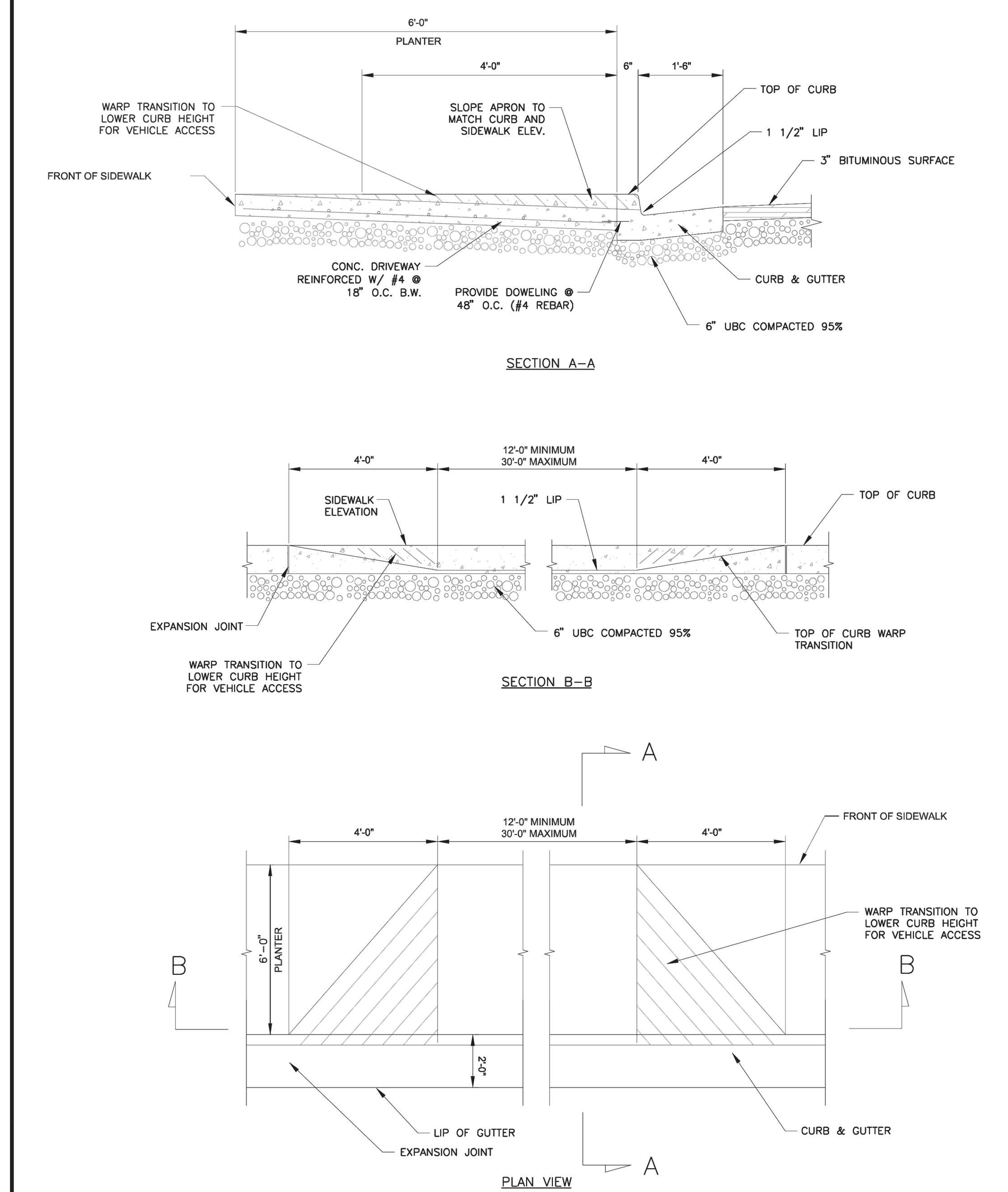
REVISION				
NO.		BY	APR	DATE

Santaquin

PRESSURE IRRIGATION METER BOX
SANTAQUIN CITY
275 WEST MAIN STREET

PI2
ADOPTED DATE: 19 – OCT – 16



DRIVEWAY APPROACH WITH PARK STRIP

NOT TO SCALE

J-U-B

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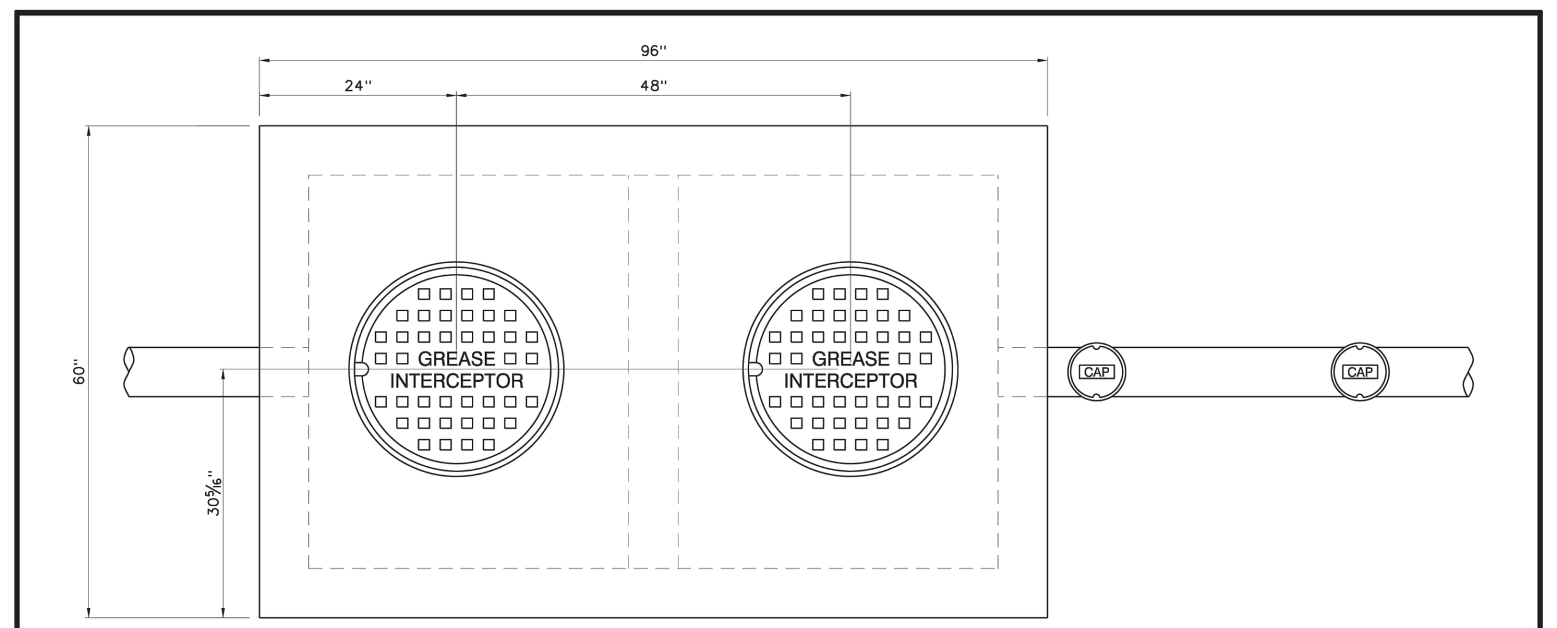
REVISION				
NO.	DESCRIPTION	BY	APR.	DATE
1	CHANGED SHEET NAME TO "DRIVE APPROACH WITH PARK STRIP"	NEB	MLC	11/2011

Santaquin

DRIVEWAY APPROACH WITH PARK STRIP
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: CG3
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: DSF
DESIGN BY: NEB
CHECKED BY: MLC
ADOPTED DATE: 20 JUN 12



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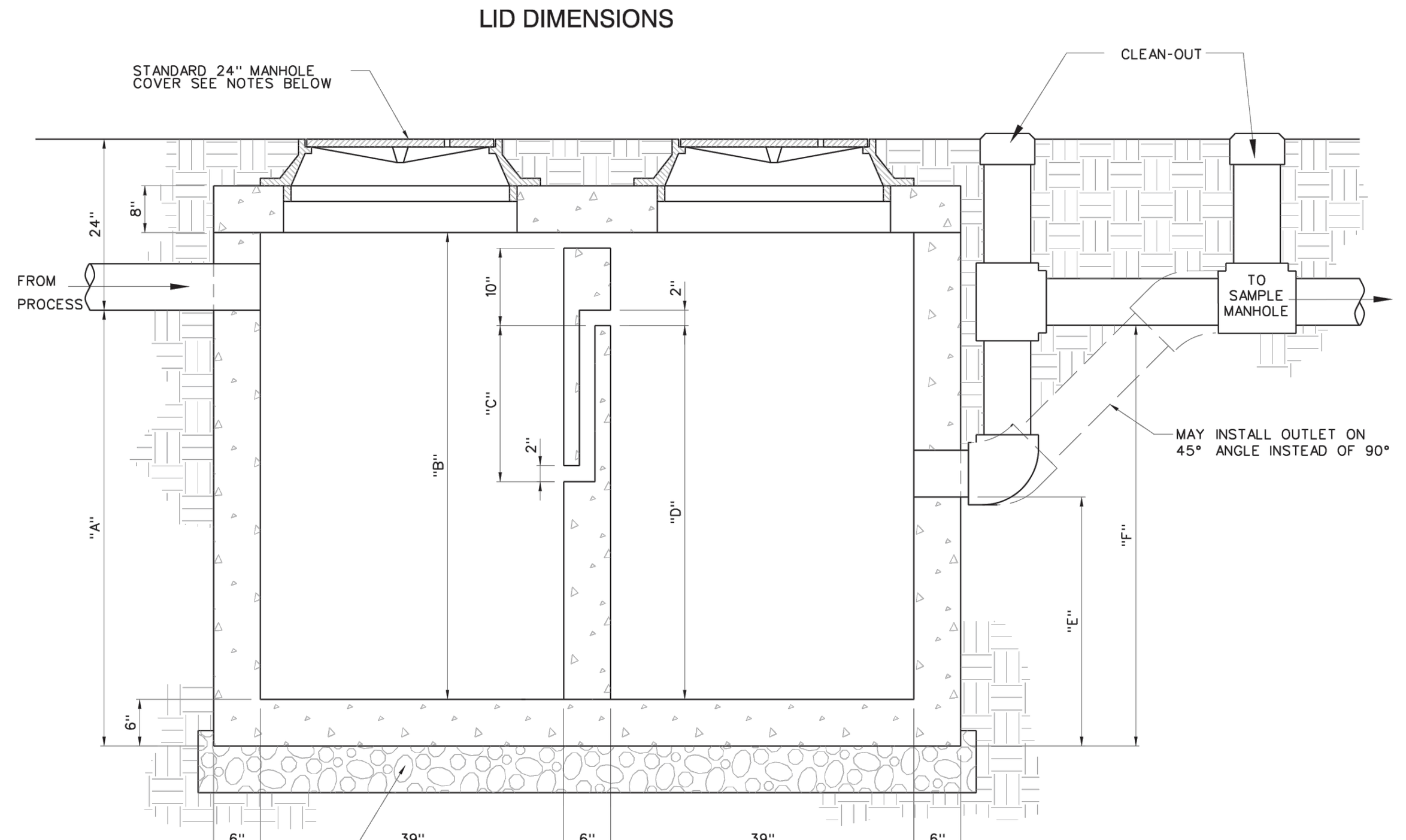


INSIDE AND PLUMBING

¾" GRAVEL FOUNDATION OUTSIDE SHAPE MAY BE IRREGULAR. MAXIMUM THICKNESS WILL DEPEND ON SPECIFIC SITE CONDITIONS.

GREASE TRAP DIMENSIONS PER CAPACITY						
CAPACITY	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"	DIMENSION "F"
1000 GAL	68"	72"	24"	61"	43"	65"
1200 GAL	74"	78"	24"	67"	49"	71"

NOTE:
1. MINIMUM CAPACITY ALLOWED IS 1,000 GALLONS.
2. PRECAST MANUFACTURERS DIMENSIONS MAY VARY FROM THOSE SHOWN BUT MUST MEET REQUIRED CAPACITY.
3. MANHOLE COVER TO BE A SOLID LID CONTAINING ONE CLOSED PICK HOLE AND MACHINED GROOVE WITH "O" RING. SEE SPECIFICATION DIVISION 5 FOR COVER LABEL. D&L SUPPLY P/N A-1180-10 (OR EQUAL).
4. STEEL REINFORCING TO BE APPROVED BY A LICENSED PROFESSIONAL ENGINEER.

J-U-B 0 2'

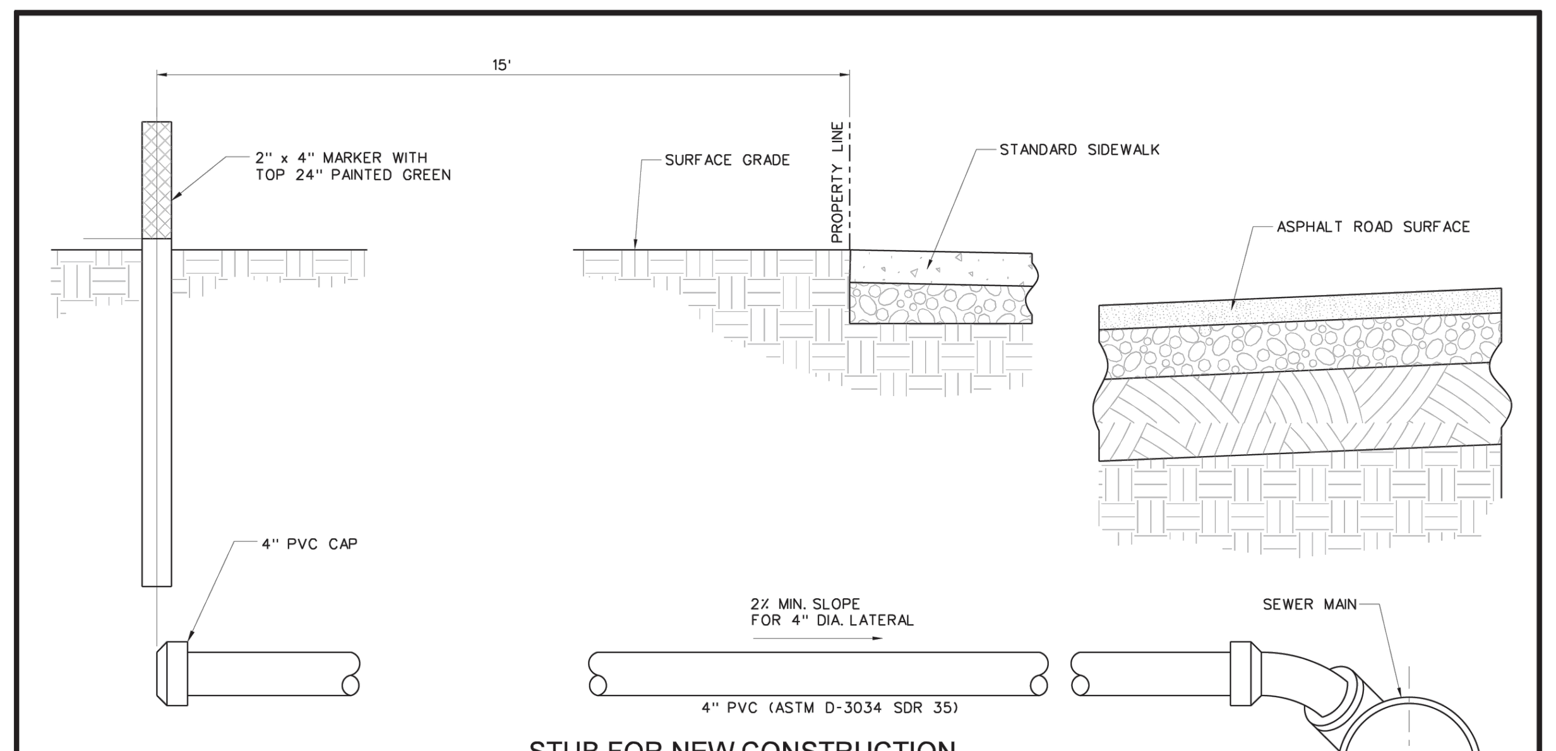
STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SANTAQUIN CITY. DEVEATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SANTAQUIN CITY. SANTAQUIN CITY CORP. CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

REVISION				
NO.	DESCRIPTION	BY	APR.	DATE

Santaquin

TYPICAL GREASE INTERCEPTOR
SANTAQUIN CITY
275 WEST MAIN STREET

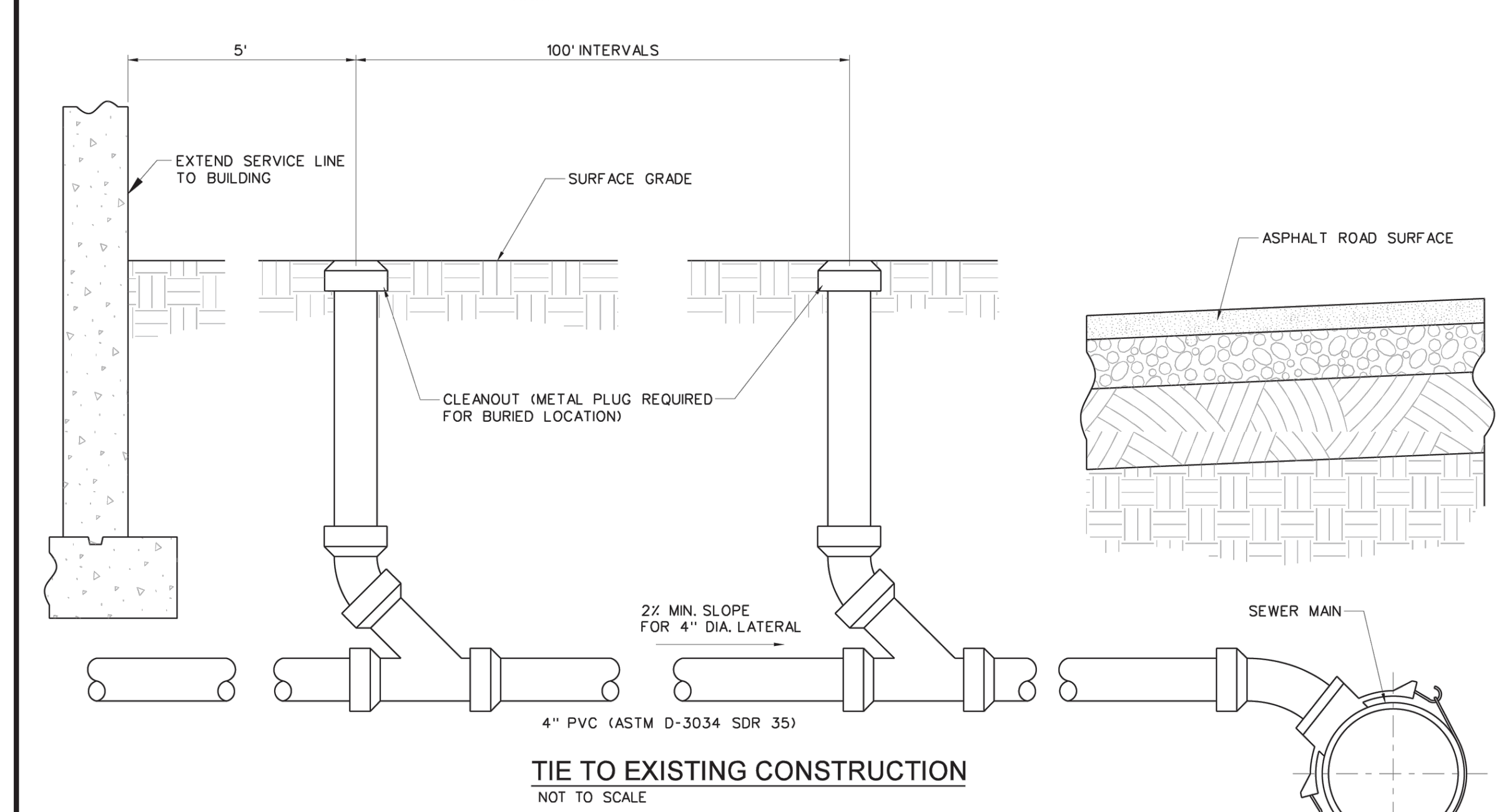
STANDARD DRAWING NUMBER: S5
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: DSF
DESIGN BY: DSF
CHECKED BY: DCT
ADOPTED DATE: 20 JUN 12



STUB FOR NEW CONSTRUCTION

NOT TO SCALE

NOTES FOR CONNECTING TO NEW SEWER MAIN:
1. CONNECTION TO MAIN SHALL BE BY WYE'S OR TEE'S INSTALLED AS PART OF THE SEWER MAIN CONSTRUCTION.
2. LOCATION OF STUB TO BE 10' UPHILL OF LOWEST FRONT LOT CORNER.
3. SHOW CENTERLINE STATION OF THE LATERAL FROM THE NEAREST DOWNSTREAM MANHOLE. USE SAME STATIONING USED FOR SEWER MAIN.



TIE TO EXISTING CONSTRUCTION

NOT TO SCALE

NOTES FOR CONNECTING TO EXISTING SEWER MAIN:
1. CORE SEWER MAIN WITH MAXIMUM OPENING AROUND LATERAL OF 1".
2. INSTALL CAST IRON BACKMAN SEWER SADDLE WITH 1" PLUMBERS TAPE STRAP.
3. GROUT AROUND CONNECTION TO SEWER MAIN.
4. ENCASE SEWER MAIN AND LATERAL CONNECTION IN CONCRETE.
5. CONNECTION TO BE MADE IN PRESENCE OF PUBLIC WORKS INSPECTOR.

J-U-B 0 2'

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REVISION				
NO.	DESCRIPTION	BY	APR.	DATE

Santaquin

TYPICAL SEWER LATERAL
SANTAQUIN CITY
275 WEST MAIN STREET

STANDARD DRAWING NUMBER: S2
CAD DWG: std_dwgs_6-12.dgn
PLOT SCALE: 1.000
DRAWN BY: EEA/CJC
DESIGN BY: DCT
CHECKED BY: DCT
ADOPTED DATE: 20 JUN 12

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JM

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

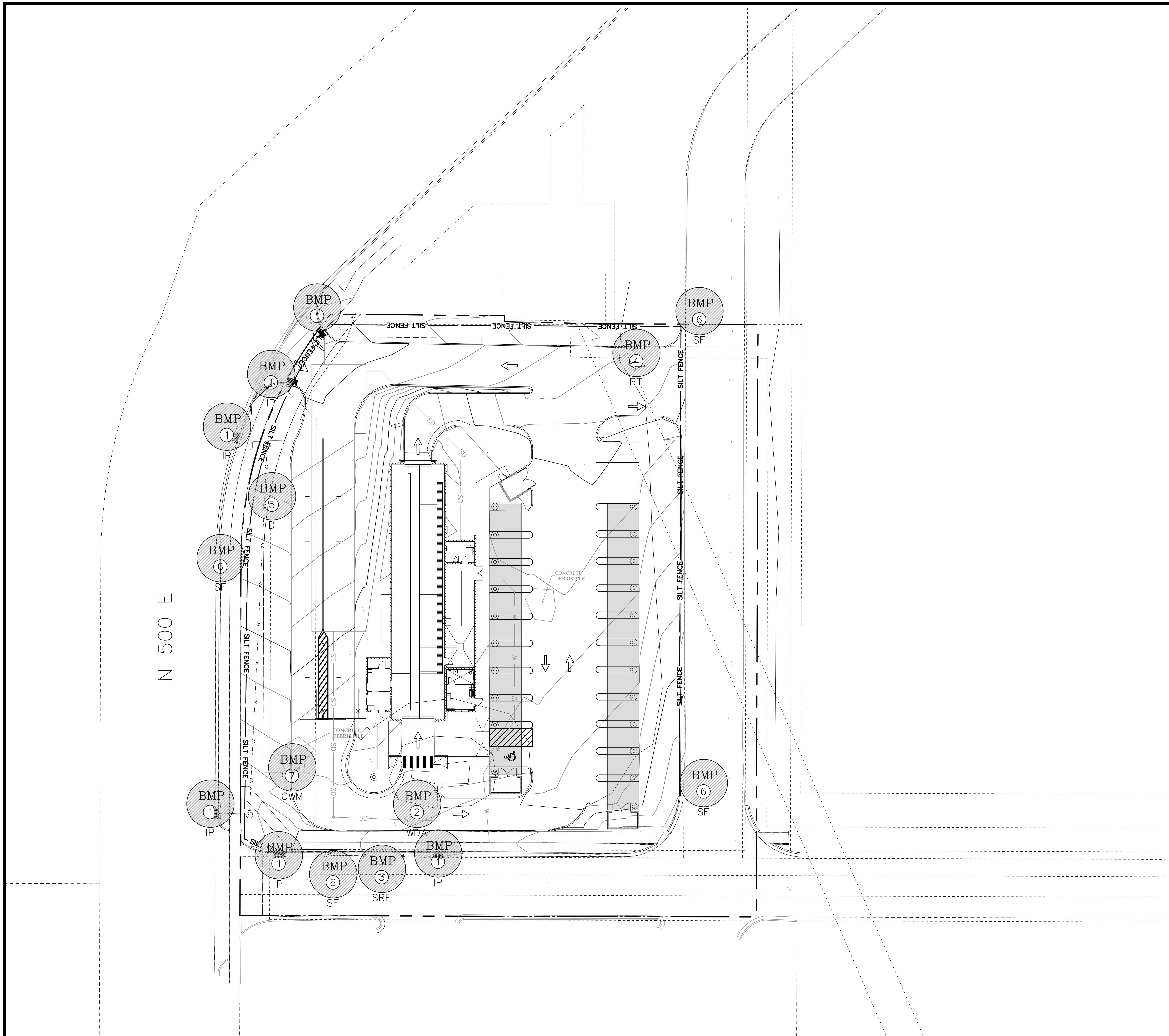
QUICK QUACK SANTAQUIN 500 EAST
UTILITY DETAILS
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
8/15/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET:
C-6

DATE: Aug 15, 2024

\\Mac\Home\Elevate Engineering Dropbox\Utah\Quick Quack Utah\QQ 500 E Santaquin Macey's\QQ UT SANTAQUIN MACEYS 1M.dwg – – Aug 15, 2024–9:40am



LEGEND

PROPERTY/ROW LINE	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
PROPOSED STORM DRAIN LINE	—SD——SD——SD—
EXISTING STORM DRAIN LINE	--SD----SD----SD-
EXISTING SEWER LINE	-SS-----SS-----SS-
EXISTING WATER LINE	--W----W----W--
EXISTING CONTOUR LINE	-----2732-
FINISHED CONTOUR LINE	———21.00—
EXISTING FENCE	——— x ———
SILT FENCE	——SILT FENCE——
CLEAN OUT BOX	☐
BEST MANAGEMENT PRACTICE SEE BEST MANAGEMENT PRACTICE INDEX AND SHEET C-8 FOR DETAILS	BMP XX

NOTES

DURING CONSTRUCTION

1. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED AND MAINTAINED REGULARLY (ONCE A WEEK) AND AFTER EVERY STORM EVENT

2. LAND DISTURBANCE SHALL BE KEPT TO MINIMUM TO CONTROL RUNOFF FROM THE SITE

3. LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE

4. STAGED SEEDING TO RE-VEGITATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS

5. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION

6. MAINTENANCE OF STREET: STREETS TO BE KEPT CLEAN AND FREE FROM DEBRIS.

7. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.

8. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON THE SITE DURING ALL CONSTRUCTION ACTIVITY

BEST MANAGEMENT PRACTICE INDEX

1	IP	INLET PROTECTION
2	WDA	EQUIPMENT AND VEHICLE WASH DOWN AREA
3	SRE	STABILIZED ROADWAY ENTRANCE
4	PT	PORTABLE TOILET
5	D	DUMPSTER LOCATION
6	SF	SILT FENCE
7	CWM	CONCRETE WASTE MANAGEMENT

ADDITIONAL BMP's TO BE ONSITE:
- SPILL CLEANUP
- VEHICLE & EQUIPMENT FUELING

SEE SHEET C-8 FOR BMP DETAILS

CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

NORTH

SCALE: 1" = 20'

0 10 20 30 40 60

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP DESIGNER: JM

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
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PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
SWPPP PLAN
78 N 500 E, SANTAQUIN UT 84655

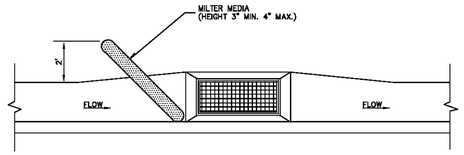
PROFESSIONAL ENGINEER 8/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH

SHEET: C-7

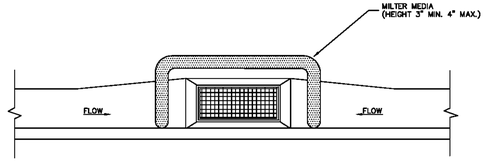
DATE: Aug 15, 2024

Item 2.

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



ON-GRADE INLET PROTECTION DETAIL



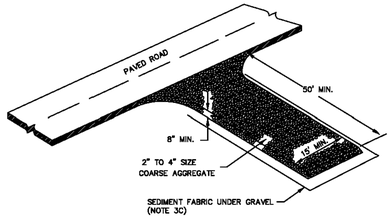
DROP INLET PROTECTION DETAIL

Inlet protection - gravel sock

Plan No. 124

September 2006 | 11 | Drawing 1 of 3

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.

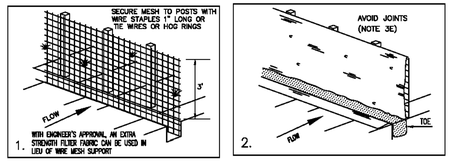


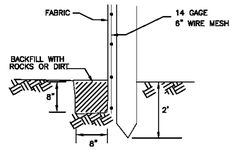
Stabilized roadway entrance

Plan No. 126

February 2006 | 19

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.





TOE DETAIL

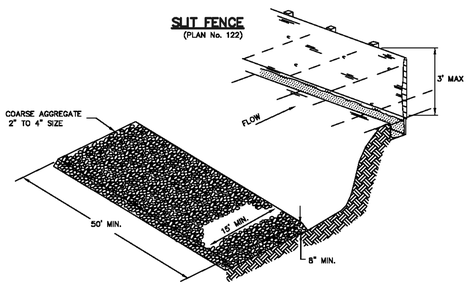
Silt fence

122

February 2006 | 7

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.

1. SECURE MESH TO POSTS WITH WIRE STAPLES 1" LONG OR TIE WIRES OR HOG RINGS
2. SECURE FABRIC TO MESH WITH TWINE, STAPLES OR SIMILAR



WASH DOWN AREA

Equipment and vehicle wash down area

Plan No. 125

February 2006 | 17

Inlet protection – gravel sock

1. DESCRIPTION: Placement of gravel sock on grade upstream of, or in front of storm drain inlets to filter or pond water runoff

2. APPLICATION: At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.

3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
   A. On-grade inlet protection:
      1. On-grade inlet protection should be used when completely blocking a storm drain inlet box would result in forcing water further downstream would cause flooding or other undesirable results.
      2. Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
      3. Install filter media just upstream of the inlet box.
      4. Filter media shall butt tightly against the face of the curb and angle at approximately a 45 degree angle away from the curb to trap runoff between the media and the curb.
      5. Excessive flows will flow either over or around the filter media and into the inlet box.
      6. Expect ponding behind the filter media.
   B. Drop inlet protection:
      1. Drop inlet protection should be used at low points in the curb and when diverting flows further downstream will not cause undesirable results.
      2. Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
      3. Install filter media around the entire perimeter of the inlet grate.
      4. Filter media shall butt tightly against the face of the curb on both sides of the inlet grate.
      5. Excessive flows will either flow around the media or over the top and into the inlet box.
      6. Expect ponding around the inlet box.

4. MAINTENANCE:
   A. Inspect inlet protection after every large storm event and at a minimum of once monthly.
   B. Remove sediment accumulated when it reaches 2 inches in depth.
   C. Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

10

Stabilized roadway entrance

1. DESCRIPTION: A temporary stabilized pad of gravel for controlling equipment and construction vehicle access to the site.

2. APPLICATION: At any site where vehicles and equipment enter the public right of way.

3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
   A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
   B. Compact subgrade.
   C. Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months).

4. MAINTENANCE:
   A. Requires periodic top dressing with additional stones.
   B. Prevent tracking or flow of mud into the public right-of-way.
   C. Periodic top dressing with 2 inches stone may be required, as conditions demand, and repair any structures used to trap sediments.
   D. Inspect daily for loss of gravel or sediment buildup.
   E. Inspect adjacent areas for sediment deposit and install additional controls as necessary.
   F. Expand stabilized area as required to accommodate activities.

18

Silt fence

1. DESCRIPTION: A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched.

2. APPLICATION: To intercept sediment from disturbed areas of limited extent.
   A. Perimeter Control: Place barrier at down gradient limits of disturbance.
   B. Sediment Barrier: Place barrier at toe of slope or soil stockpile.
   C. Protection of Existing Waterways: Place barrier at top of stream bank.
   D. Inlet Protection.

3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
   A. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester, or polyethylene yarn. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0 deg. F. to 120 deg. F.
   B. Burlap shall be 10 ounces per square yard of fabric.
   C. Posts for silt fences shall be either 2" x 4" diameter wood, or 1.33 pounds per linear foot steel with a minimum length of 5 feet. Steel posts shall have projections for fastening wire to them.
   D. The fabric is cut on site to desired width, unrolled, and draped over the barrier. The fabric toe is secured with rocks or dirt. The fabric is secured to the mesh with twin, staples or similar devices.
   E. When attaching two silt fences together, place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees on a clockwise direction to create a tight seal with the filter fabric. Drive both posts into the ground and bury the flap.
   F. When used to control sediments from a steep slope, silt fences should be placed away from the toe of the slope for increased holding capacity.

4. MAINTENANCE:
   A. Inspected immediately after each rainfall and at least daily during prolonged rainfall.
   B. Should the fabric on a silt fence or filter barrier decompose or become ineffective before the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
   C. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
   D. Re-anchor fence as necessary to prevent shortcutting.
   E. Inspect for runoff bypassing ends of barriers or undercutting barriers.

6

Equipment and vehicle wash down area

1. DESCRIPTION: A temporary stabilized pad of gravel for general washing of equipment and construction vehicles.

2. APPLICATION: At any site where regular washing of vehicles and equipment will occur. May also be used as a filling point for water trucks limiting erosion caused by overflow or spillage of water.

3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
   A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
   B. Compact subgrade.
   C. Place filter fabric under wash down area if desired (recommended for wash area that remains more than 3 months).
   D. Install silt fence down gradient (see Plan No. 122)

4. MAINTENANCE:
   A. Requires periodic top dressing with additional stones.
   B. Solely used to control sediment in wash water. Cannot be utilized for washing equipment or vehicles that may cause contamination of runoff (such as fertilizer equipment or concrete equipment).
   C. The wash area shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way.
   D. Periodic top dressing with 2 inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
   E. Inspect daily for loss of gravel or sediment buildup.
   F. Inspect adjacent area for sediment deposit and install additional controls as necessary.
   G. Expand stabilized area as required to accommodate activities.
   H. Maintain silt fence as outlined in Plan No. 122.

16

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: JM

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
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ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
SWPPP DETAILS
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
8/15/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET: C-8

DATE: Aug 15, 2024

Plant List (TREES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
4		Crataegus crus-galli	Cockspur Hawthorn	2" Caliper 8'-10' Height	Full Head Crown Straight Trunk
5		Koelreuteria p. 'Golden Candle'	Golden Rain Tree	2" Caliper 8'-10' Height	Full Head Crown Straight Trunk
3		Pinus leucodermis heldreichii	Dwarf Bosnian Pine	6'-8' Height B & B	Full Throughout Specimen
1		Syringa reticulata 'Ivory Silk'	Japanese Tree Lilac	2" Caliper 8'-10' Height	Full Head Crown Straight Trunk
8		Zelcova serrata 'Musashino'	Musashino Zelcova	2" Caliper 10'-12' Height	Full Head Crown Straight Trunk

Plant List (SHRUBS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
14		Berberis thund. 'Crimson Pygmy'	Crimson Pygmy Barberry	5 Gallon	15"-18" Height
7		Ligustrum x. vicaryi	Golden Privet	5 Gallon	18"-24" Height
3		Physocarpus o. 'Summer Wine'	Summer Wine Ninebark	5 Gallon	24"-30" Height
23		Prunus besseyi 'Pawnee Buttes'	Pawnee Buttes Sandcherry	5 Gallon	18"-24" Spread
4		Rhus typhina 'Bailtiger'	Tiger Eye's Sumac	5 Gallon	24"-30" Height
10		Rosa 'Knock Out Red'	Knock Out Red Rose	5 Gallon	18"-24" Height
4		Spiraea bumalda 'Goldmound'	Goldmound Spiraea	5 Gallon	15"-18" Height
27		Spiraea japonica 'Neon Flash'	Neon Flash Spiraea	5 Gallon	15"-18" Height
9		Syringa vulgaris	Common Lilac	5 Gallon	24"-30" Height
12		Yucca filam. 'Golden Sword'	Golden Sword Yucca	5 Gallon	15"-18" Height

Plant List (ORNAMENTAL GRASSES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
14		Calamagrostis a. 'Avalanche'	Avalanche Feather Grass	5 Gallon	18"-24" Height
15		Calamagrostis a. 'Foerster'	Foerster Feather Grass	5 Gallon	18"-24" Height
2		Miscanthus sinensis 'Gracillimus'	Maiden Grass	5 Gallon	24"-30" Height
34		Pennisetum alop. 'Hameln'	Hameln Fountain Grass	5 Gallon	15"-18" Height

Plant List (PERENNIALS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
22	①	Hemerocallis 'Stella d'Oro'	Stella d'Oro Day Lily	1 Gallon	Full Can
31	②	Lavandula 'Hidcote Blue'	Blue Lavender	1 Gallon	Full Can
51	③	Salvia 'East Friesland'	East Friesland Sage	1 Gallon	Full Can

Planting Notes

1. All lawn and shrub areas shall receive a 4 inch depth of topsoil. If topsoil is not available at the site, it must be imported from an approved local source. All topsoil shall be of a sandy loam consistency. Provide a chemical analysis of all topsoil for approval.
2. Prior to placement of topsoil, all subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches, by the use of mechanical means, in order to create a transition layer between existing and new soils.
3. All plant material holes shall be dug twice the diameter of the rootball and 6 inches deeper. Excavated material shall be removed from the site.
4. Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Pep/or equal), and shall be rotary mixed on-site prior to installation.
5. Plant fertilizer shall be 'Agriform' brand 21 gram tablets used as per manufacturers recommendations.
6. Upon completion of planting operations, all shrub pits and tree wells shall receive a 4 inch depth of shredded bark mulch mixture as a cover. The overall shrub beds themselves (beyond plant wells) shall receive a 4" depth of decorative stone surfacing over Pro-5 weed barrier fabric.
7. In decorative stone beds, cut the fabric from around the water well of each plant, then apply fine ground bark inside water well. The remainder of the planter bed shall receive the depth of decorative stone.
8. Landscape maintenance shall be required for a period through the second mowing of the lawn (if used) and shall include weeding, pruning and one fertilization.
9. The contractor shall comply with all warranties and guarantees set forth by the Owner, and in no case shall that period be less than two years following the date of completion and final acceptance.

General Notes

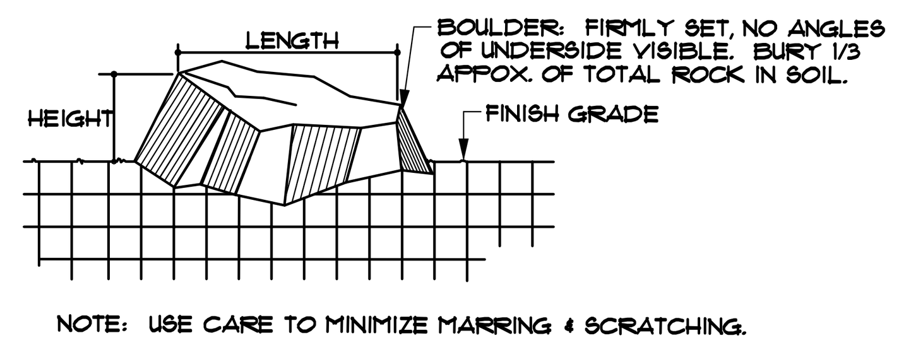
1. All bidding landscape contractors shall have a minimum of 5 years experience in the installation of commercial landscape and irrigation projects, and be able to supply the necesarry staff to perform all tasks associated with these drawings, and in a professional and timely manner.
2. The landscape contractor, at all times, shall have personel on-site experienced in being able to interpret the drawings correctly, and accurately measure the design layout using the specified scale.
3. The contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning work. The contractor shall coordinate his work with the project manager and all other contractors working on the site.
4. The finish grade of all planting areas shall be smooth, even and consistent, free of any humps, depressions or other grading irregularities. The finish grade of all landscape areas shall be graded consistently 1/2" below all walks, curbs, etc.
5. The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
6. All plant materials shall be approved prior to planting. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the specifications.
7. The contractor shall plant all plants per the planting details, stake/guy as shown. The top of the rootballs shall be planted flush with the finish grade.

Sub-Grade Requirements

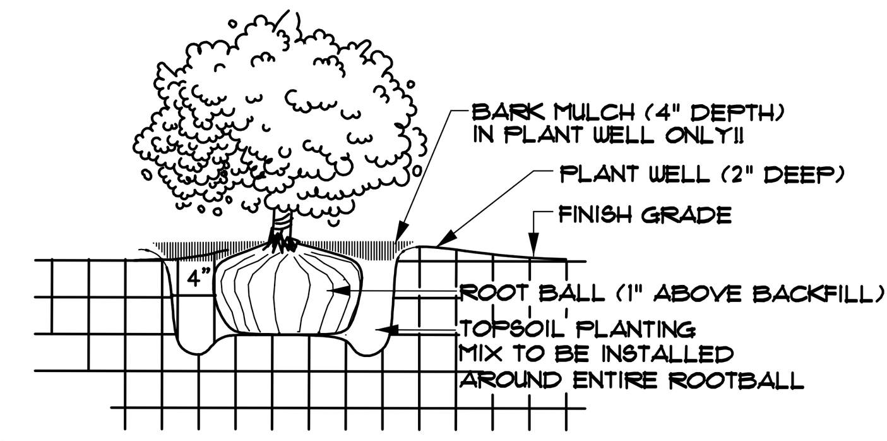
1. LAWN AREAS : Six (6) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with the sodding material, leaving it slightly below finish grade.
2. SHRUB AREAS : Eight (8) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with a four inch depth of bark mulch or decorative stone, leaving it slightly below finish grade and concrete areas.
3. ROCK ONLY AREAS : Seven (7) inches below finish grade. This will allow for the installation of a six inch depth of decorative stone over the weed barrier fabric, leaving it slightly below finish grade and concrete areas.
4. SUB-GRADE COORDINATION : The Landscape contractor shall meet early on in the construction process with the site grading contractor, in order to ensure that all sub-grades, prior to final topsoil placement, are provided. Any discrepencies or questions shall be discussed and resolved at that time. Landscape operations shall not begin until the specified sub-grade elevations have been provided.

Legend

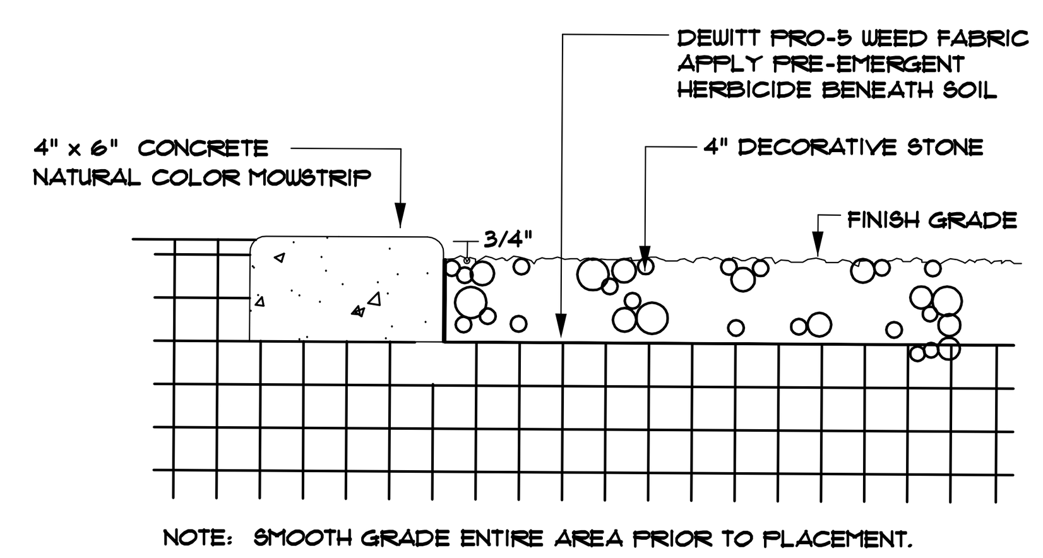
Symbol	Description	Remarks
	Landscape Boulder / 3'-4' Min. Size / Individually Placed	Boulder Type And Color Shall Be From Nearest Local Source, Blonde-Tan Colored Quartzite, Block Edges (Not Rounded).
	4" x 6" Extruded Concrete Mowstrip / Natural Color	Install In Straight True Lines And Uniform Curves, & Between All Lawn And Shrub Areas. Compact Sub-grade To 90% Prior To Installation.
LAWN	New Lawn Area / Water Conservative Mixture	Install In Areas Shown Over A 4 Inch Depth Of Import Topsoil. Top Of Lawn To Be 1 Inch Below Finish Grade Of Concrete Surfaces.
R1	Rock ONLY Area / Cobble / 4" Minus Size / "Nephi Gray"	Install In Areas Shown To A Depth Of 6 Inches Over "DeWitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.
R2	New Shrub - Rock Area / 2" Min. Size / Grayish Color	Install In Areas Shown To A Depth Of 4 Inches Over "DeWitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.
No Hatch	New Shrub - Rock Area / 1" Min. Size / Earthtone Color	Install In Areas Shown To A Depth Of 4 Inches Over "DeWitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.



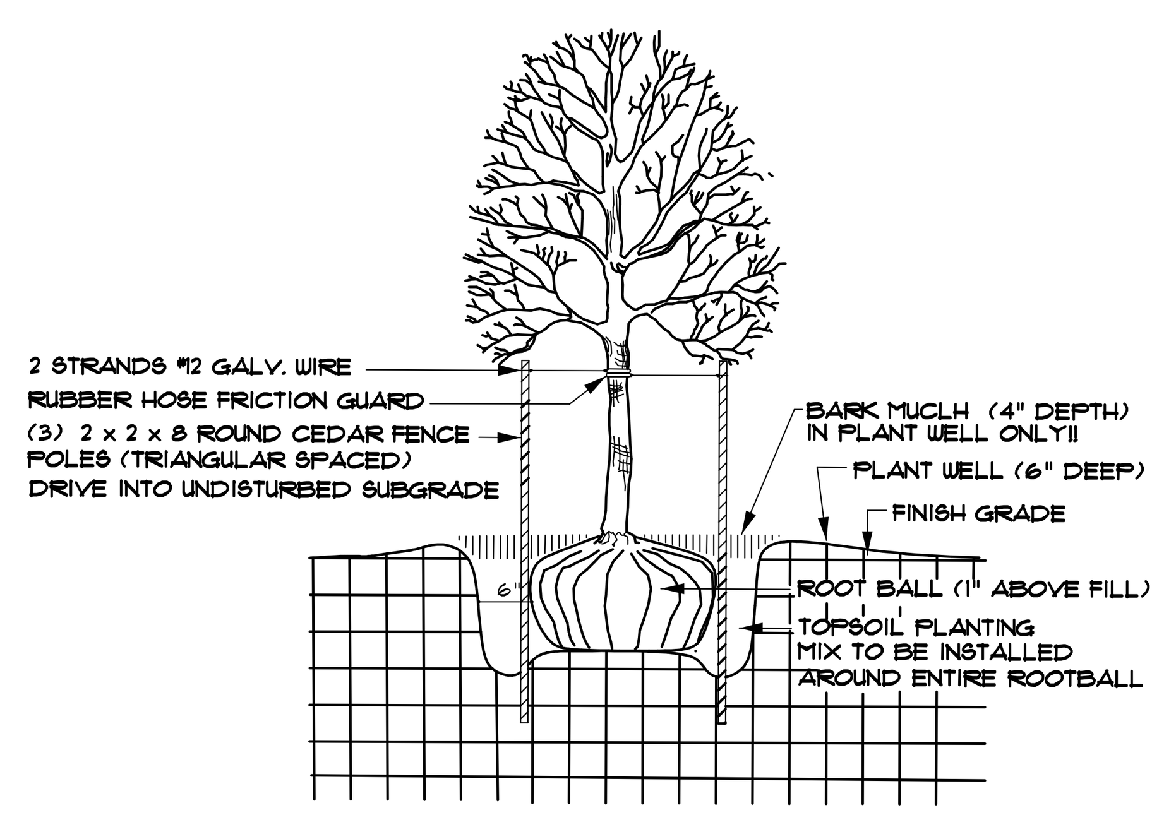
1 / L-1 Decorative Boulder
N. T. S.



2 / L-1 Shrub Planting
N. T. S.



3 / L-1 Mowstrip - Stone Mulch
N. T. S.



4 / L-1 Tree Planting
N. T. S.

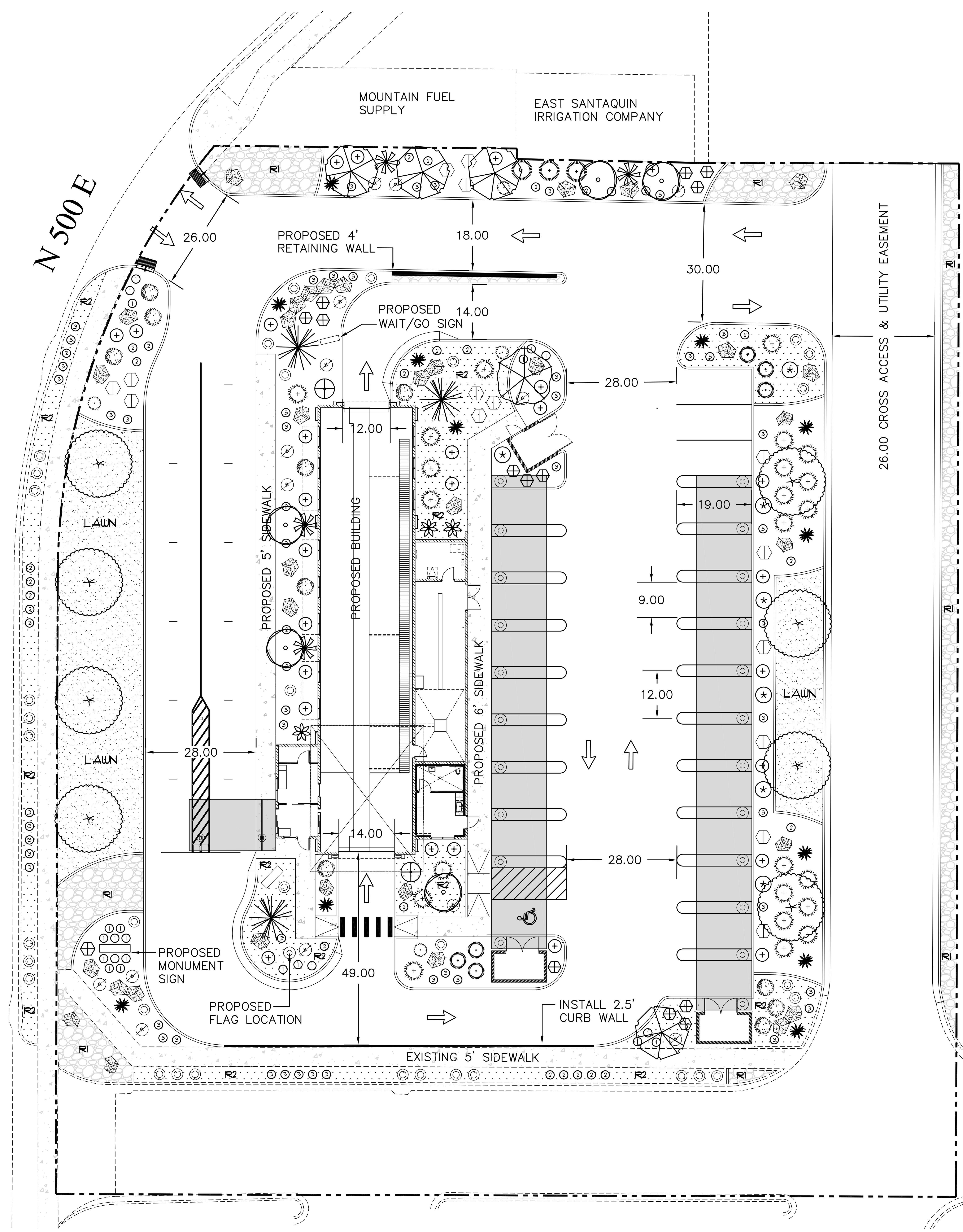
CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

0 16 32 48
Scale in Feet : 1/16"=1'-0"

Landscape Architect

RDL Design Company, Inc.
1020 East Yale Avenue
Salt Lake City, Utah 84105

Phone : 801-647-3114
Email : rdldesign@comcast.net



Landscape Area Calculations

TOTAL LANDSCAPE AREA:	15,689 S.F.	100 %
TOTAL LAWN AREA:	2,990 S.F.	19.1 %
TOTAL ROCK ONLY AREA:	2,131 S.F.	13.6 %
TOTAL PLANTING AREA:	10,568 S.F.	67.3 %

Special Note

All ground or wall mounted utility equipment, meters, transformers, HVAC equipment, etc. shall be screened. SCC 10.20.120F.5.d.

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP DESIGNER: DP

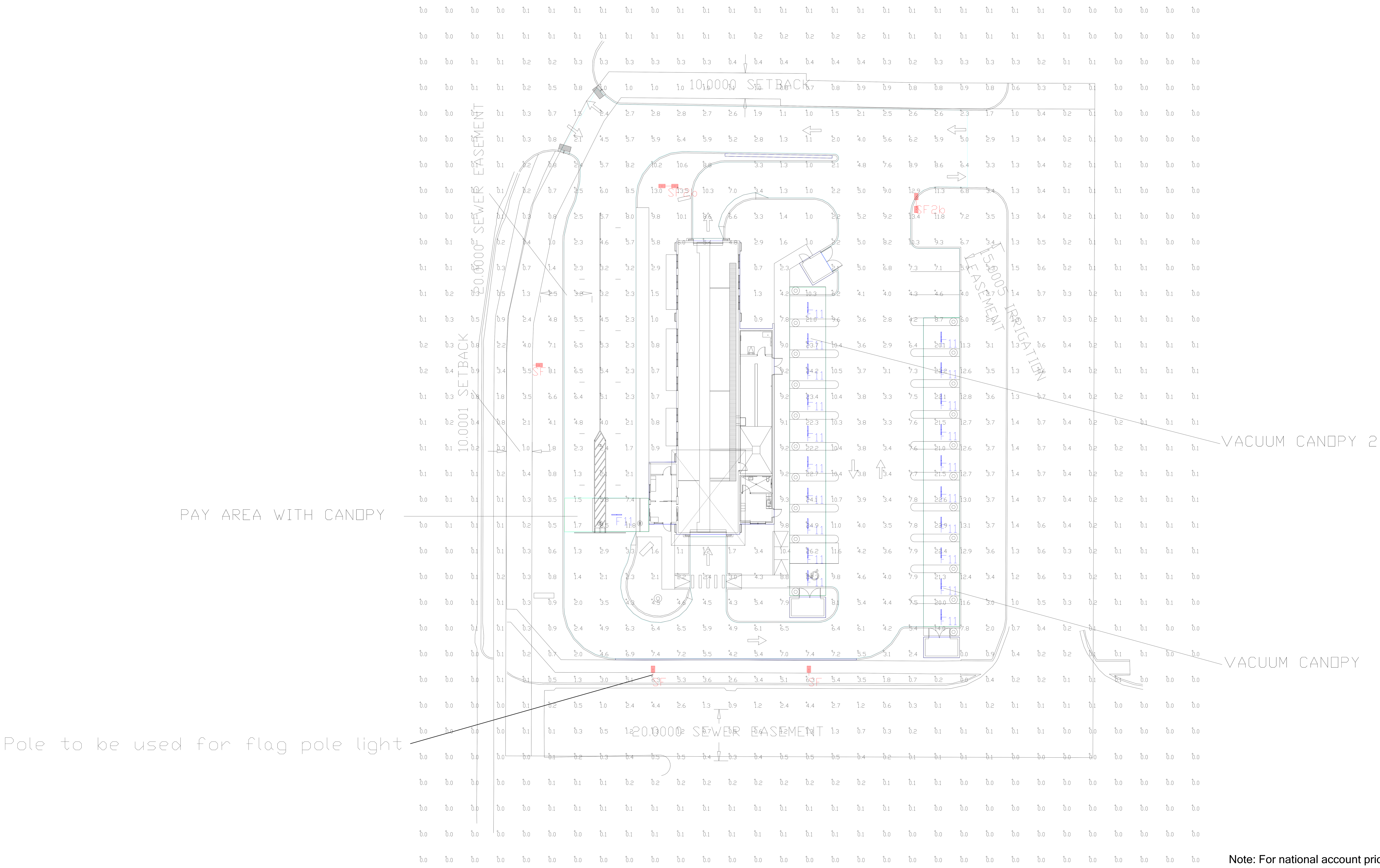
ELEVATE ENGINEERING
492 WEST 1200 NORTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
larvin@elevateng.com

ELEVATE ENGINEERING

QUICK QUACK–SANTAQUIN MACEY'S
LANDSCAPE PLAN
78 N. 500 E. SANTAQUIN, UT 84665

STATE OF UTAH LICENSED LANDSCAPE ARCHITECT ROBERT D. LIPN 106360 08-15-24

SHEET:
L–1
DATE: 08–15–2024



NOTE:STANDARD 120-277v UNLESS OTHERWISE SPECIFIED

Note: For national account pricing/quotation and order placement, please reach out to Steve Friedman at Hermitage Lighting - 847-830-1444 or sfriedman@gohermitage.com

POLE NOTE: 4SQ-XX-S11G-16 POLE + 2FT BASE
POLE ORDERING INFORMATION BASED ON THIS DRAWING:
PLEASE CONFIRM EPA WIND RATING PRIOR TO ORDER.
CUSTOMER RESPONSIBLE FOR BASE SELECTION PER LOCAL CONDITIONS.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAVED AREA	Illuminance	Fc	5.10	13.4	1.0	5.10	13.40
PAY AREA WITH CANOPY	Illuminance	Fc	7.33	11.8	1.7	4.31	6.94
VACUUM CANOPY	Illuminance	Fc	20.97	22.9	14.0	1.50	1.64
VACUUM CANOPY 2	Illuminance	Fc	22.44	26.2	10.3	2.18	2.54

Total Project Watts
Total Watts = 2035.95

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	Mounting Height	LLD	LLF	Arr. Lum. Lumens	Arr. Watts
▭	21	F11	SINGLE	VT3204HUNV50 (FIXTURE SUPPLIED BY HERMITAGE)	12'	1.000	1.000	6778	51.95
🟥	3	SF	SINGLE	MRS-LED-18L-SIL-FT-50-70CRI-SINGLE	16' POLE+2' BASE	1.000	1.000	16890	135
🟥🟥	2	SF2b	D180°	MRS-LED-18L-SIL-FT-50-70CRI-D180	16' POLE+2' BASE	1.000	1.000	33780	270

PHOTOMETRIC EVALUATION
NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

10000 ALLIANCE RD. CINCINNATI, OHIO 45242 USA
(513) 793-3200 • FAX (513) 793-6023

LIGHTING PROPOSAL LO-159445-1

QUICK QUACK
78 N 500 E
SANTAQUIN, UT

BY:SAM,IMK | DATE:1/11/24 | REV:8/5/24 | SHEET 1 OF 1

SCALE: 1"=20' 0 20

Santaquin City Request For A Traffic Control Device Application

110 S. Center Street, Santaquin, Utah 84655
801-754-1011 www.santaquin.org

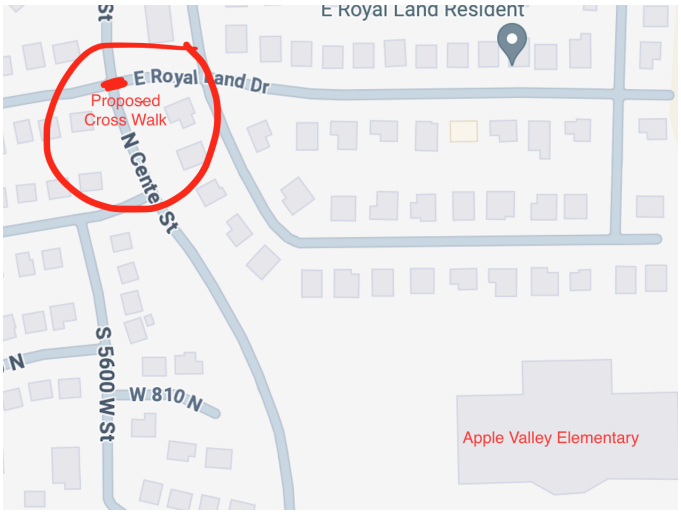
Note: This application, in addition to all required information and exhibits, must be turned into the Community Development Department 14 days prior to a regularly scheduled Development Review Committee meeting for it to be on an agenda. All submitted proposals will be reviewed in accordance with Santaquin City Code.

Meetings: Development Review Committee meetings are held the 2nd and 4th Tuesdays of each month at 10:00 A.M. The meeting is held in the City Offices, located at 110 S. Center Street. Depending on the date of application, the Community Development Department will inform you of the day and time in which your request will be considered by the Development Review Committee.

Applicant Information		
Applicant Name: Jaden Harding		
Telephone: 801-882-5938	Alternate Telephone:	Email: jadenlharding@gmail.com
Requested Traffic Control Device Information		
Address of Proposed Traffic Control Device: CROSSWALK ON THE intersection of ROYAL LAND DRIVE AND CENTER STREET AND BIKE LANE ALONG CENTER STREET CONNECTING TO APPLE VALLEY		
Type of Traffic Control Device Requested:CROSSWALK (THE LIGHTED ONE LIKE ON CENTER STREET AND MAIN STREET) AND BIKE/SCOOTER LANE FOR KIDS AFTER SCHOOL ON THE WALKING TRAIL		
Description and Justification for the Request		

__ I have walked my kids to and from school at Apple Valley Elementary almost this whole school year. I appreciate the crossing guard that is right at the school, but where Royal Land Drive Meets Center Street there is a need for another crosswalk. Students walk, ride scooters, and ride their bikes down the paved trail right next to the school. Then they proceeded to Cross Center Street to get to Royal Land Drive because the sidewalk is so narrow on the opposing side. A Crosswalk would be a fantastic improvement to safety, even installing one like we have on Main Street next to the post office that just flashes lights. The kids can press The button and be seen by traffic.

Picture below:



__ The trail right next to the school that is paved in which students come down, leads me to my next suggestion. There is a winding rock park strip with trees, and though this is very beautiful, I wonder if we might make this a more efficient use of a trail by making it straight and adding a bike/scooter lane. We have so many students who are biking home and they like to go fast. Several students have been injured because those bikers weave in and out of walking students. By adding a bike and scooter trail, both students and citizens can be safe to walk on this trail.

Picture Below:

Applicable Exhibits

Please attach any drawing, map, or other information that can illustrate your request.

Something like this image but a bigger walking area:

DRC Members in Attendance: City Engineer Jon Lundell, Public Works Director Jason Callaway, Assistant City Manager Jason Bond, and Senior Planner Ryan Harris.

City Manager Norm Beagley, Officer Kayson Shepherd, Fire Chief Ryan Lind, and Building Official Randy Spadafora were excused from the meeting

Others in Attendance: City Recorder Amalie Ottley, EIT Megan Wilson, Planner Aspen Stevenson, and Race Ostler.

1. Bello Corner Subdivision Final Plan
A final plan review of the Bello Corner 3-lot subdivision located at approximately 215 S. Center Street.

Assistant City Manager Jason Bond and Senior Planner Ryan Harris indicated that there are certain architectural requirements that must be met in conjunction with the infill reduction approval. Those requirements will be sent to the applicant.

Public Works Director Callaway thanked the applicant for relocating the sewer and P.I. lines so that they would be closer together.

Senior Planner Harris had no further comments.

Engineer Lundell pointed out that the plat will be reviewed by Utah County prior to recordation. He added that when the applicant's contractor is working on the roadway, appropriate backfill materials are required. Lastly, Engineer Lundell reminded the applicant that the end of asphalt paving season is quickly approaching.

Senior Planner Harris made a motion to approve the Bello Corner 3-Lot Subdivision Final Plan. Public Works Director Callaway seconded the motion.

Police Officer Kayson Shepherd	Absent
Public Works Director Jason Callaway	Yes
Fire Chief Ryan Lind	Absent
Assistant City Manager Jason Bond	Yes
Senior Planner Ryan Harris	Yes
Building Official Randy Spadafora	Absent
City Engineer Jon Lundell	Yes

The motion passed.

3. Meeting Minutes Approval
Public Works Director Jason Callaway made a motion to approve the July 23, 2024 DRC Meeting Minutes. Senior Planner Harris seconded the motion.

Police Officer Kayson Shepherd	Absent
Public Works Director Jason Callaway	Yes

Fire Chief Ryan Lind	Absent
Assistant City Manager Jason Bond	Yes
Senior Planner Ryan Harris	Yes
Building Official Randy Spadafora	Absent
City Engineer Jon Lundell	Yes

The motion passed.

Adjournment
Assistant Manager Bond made a motion to adjourn.

The meeting was adjourned at 10:07 a.m.

Jon Lundell, City Engineer

Amalie R. Ottley, City Recorder