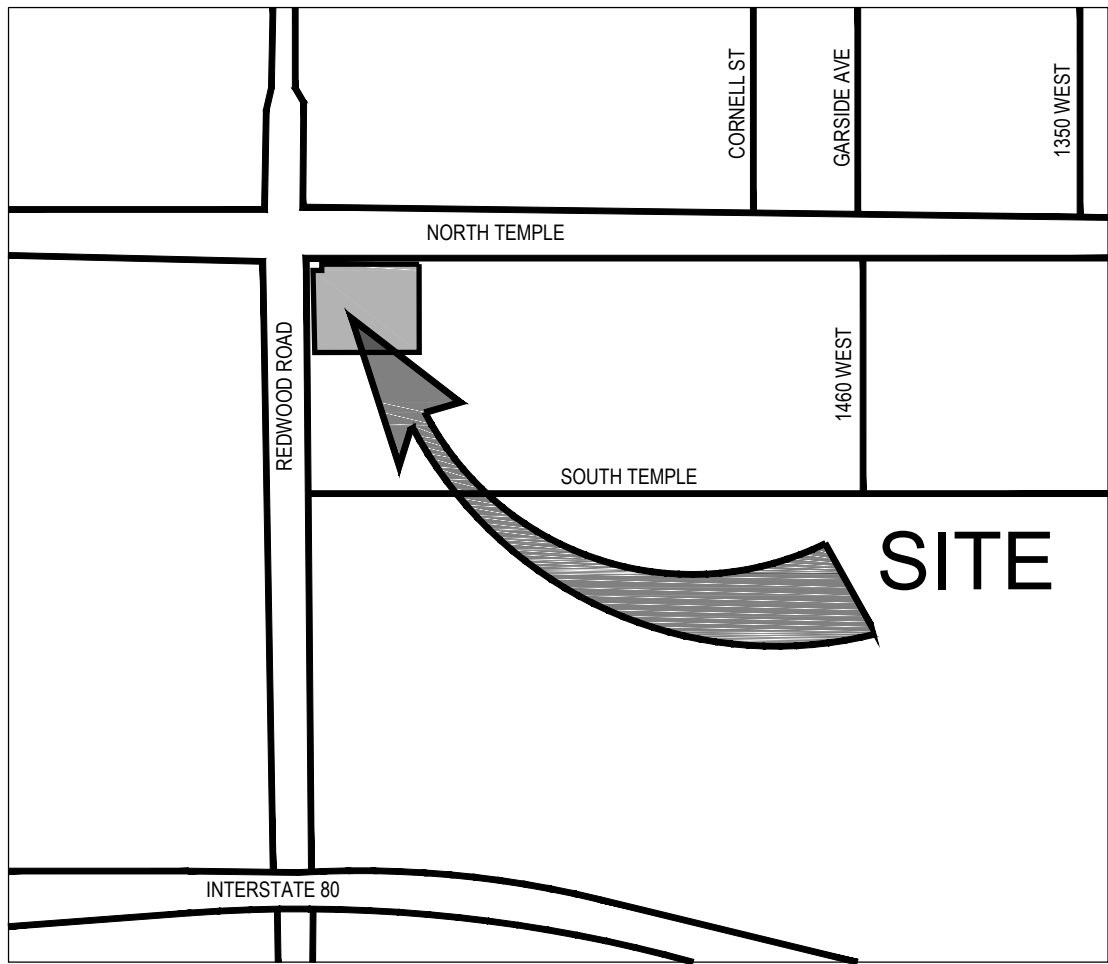
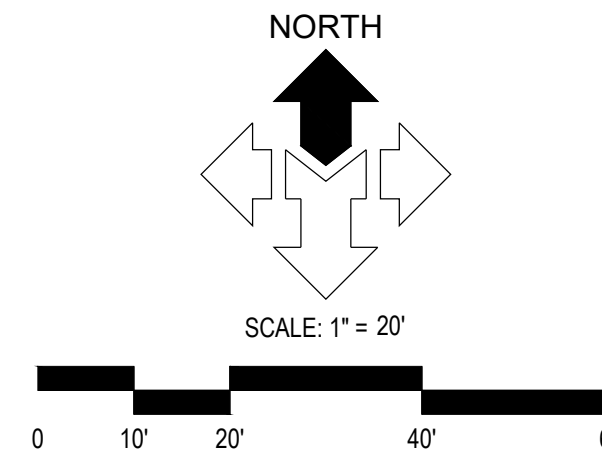


STARBUCKS CONSTRUCTION PLANS

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34,
TOWNSHIP 1 NORTH, RANGE 1 WEST, SALT LAKE BASE & MERIDIAN



VICINITY MAP
SCALE: N.T.S.

DRAWING INDEX

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ALL WORK AND MATERIALS FOR WATER
MUST CONFORM TO SALT LAKE CITY
STANDARDS AND SPECIFICATIONS

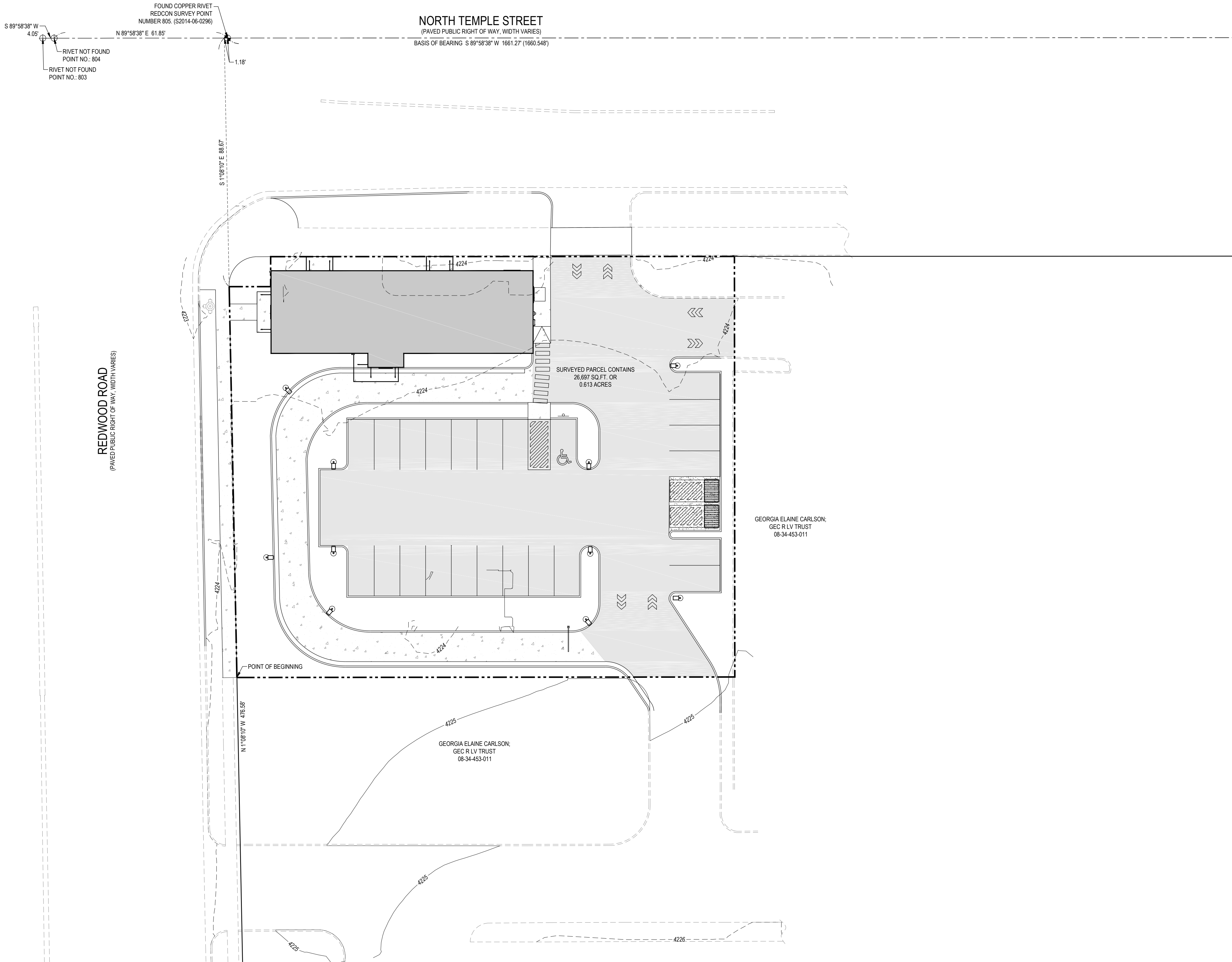
ALL WORK AND MATERIALS FOR SEWER
MUST CONFORM TO SALT LAKE CITY
PUBLIC UTILITIES STANDARDS AND
SPECIFICATIONS

ALL WORK AND MATERIALS MUST
CONFORM TO SALT LAKE CITY
STANDARDS AND SPECIFICATIONS

DEVELOPER & OWNER

OWNER: STARBUCKS
DEVELOPER: GADDIS INVESTMENTS
CONTACT: TERESE WALTON
1400 SOUTH FOOTHILL DRIVE, SUITE 34
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1. COMPLIANCE

1. ALL WORK TO CONFORM TO GOVERNING MUNICIPALITY'S STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT, ADOPTED EDITIONS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL PLUMBING CODE, STATE DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES.
3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.

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

2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.

1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING AN ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE ARCHITECT/ENGINEER FOR WORK DONE TO CORRECT DISCREPANCIES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY CHANGES TO THE PLANS UNLESS THE ARCHITECT/ENGINEER HAS BEEN NOTIFIED AND CORRECTED ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. THE CONTRACTOR MUST REPORT ALL DISCREPANCIES, OMISSIONS AND BRING UP ANY QUESTIONS BEFOREHAND, NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED.
3. THE CONTRACTOR IS TO COORDINATE WITH ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO LANDSCAPE PLANS, SITE ELECTRICAL, SITE LIGHTING PLANS AND ELECTRICAL, SERVICE TO THE BUILDING), MECHANICAL PLANS FOR LOCATION OF SERVICES TO THE BUILDING(S), INCLUDING MECHANICAL, ELECTRICAL, ARCHITECTURAL, SITE PLAN FOR DIMENSIONS, ACCESSIBLE ROUTES, ETC. NOT SHOWN ON CIVIL PLANS.
4. CONTRACTOR IS TO COORDINATE LOCATION OF NEW TELEPHONE SERVICE, GAS SERVICE, WATER, SEWER, RAILROAD, AND ALL OTHER UTILITIES PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO FURNISH CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE, AS REQUIRED FOR ALL ELECTRICAL WORK.

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION,
2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR WORKERS AND PUBLIC.

4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS OR CAUSATION OF DAMAGE TO EXISTING IMPROVEMENTS BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS.
5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, STORAGE OF MATERIALS, AND TRAFFIC CONTROL.
6. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY(IES) AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR ANY REQUIRED EASEMENTS OR PERMISSIONS.
7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADES, AND TRAFFIC DELINEATION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS.
9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS.
10. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH THIS CONSTRUCTION PROJECT.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMAL INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE GENERAL PUBLIC.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION.
13. ANY DELAY OR RESCINATION OF THE PROJECT SHALL BE AT THE CONTRACTORS RISK PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE APPROVED PRIOR TO APPROACHING THE SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER OR GOVERNING AGENCY.
14. THE CONTRACTOR SHALL TAKE REASONABLE MEASURE TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTORS OPERATION SHALL BE REPAIRED OR REPLACED OR RECONSTRUCTED TO THE ENGINEERS SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.

1. SITE CONDITIONS SHALL BE A MINIMUM 5% BAG MIX, 4000 PSI @ 28 DAYS, 4" MAXIMUM SLUMP WITH 5% - OR - 1% AIR ENTRAINMENT - UNLESS SPECIFIED OTHERWISE. (SEE SPECIFICATION FOR DETAILS)
2. ON-GRADGE DEPTH OF CONCRETE SHALL BE A MINIMUM 4" DEPTH AT INTERVALS NOT TO EXCEED THEIR WIDTH OR 12 TIMES THEIR THICKNESS, WHICHEVER IS LESS. SCORING WILL BE PLACED ALONG THE WIDTH OF CRACKS. FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION AND AT EQUAL INTERVALS. JOINTS SHALL NOT EXCEED 12 TIMES THEIR THICKNESS, WHICHEVER IS LESS.
3. CONCRETE WATERWAYS, CURBS/RAILS, MOWSTRIPS, CURB AND GUTTER, ETC. WILL TYPICALLY BE SCURED (14" DEPTH AT INTERVALS NOT TO EXCEED 10 FEET AND HAVE FULL DEPTH EXPANSION JOINTS AT 12 TIMES THEIR THICKNESS, WHICHEVER IS LESS.)
4. UNLESS OTHERWISE NOTED, ALL SLABS-ON-GRADE WILL HAVE A MINIMUM 3" TURNED-DOWN EDGE TO HELP CONTROL FROST HEAVE.
5. UNLESS OTHERWISE NOTED, ALL ON-GRADGE CONCRETE WILL BE PLACED ON A MINIMUM 4" GRADE BASE OVER 10% COMPACTED (90%) SUBGRADE.
6. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH. RUBBED OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL GREEN.
7. ALL JOINTS (CONTRACT, CONSTRUCTION OR EXPANSION JOINTS, ETC.) WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (AT A MINIMUM 1/8" DEEP IN THE JOINT REGION).
8. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 8" OF COMPACTED (95%) ROAD BASE OVER PROPERLY PREPARED AND COMPACTED (90%) 90% SUBGRADE, UNLESS NOTED OTHERWISE. (SEE SPECIFICATIONS, AND DETAIL "D1" SHEET C5.01)
9. ASPHALT COMPACTION SHALL BE A MINIMUM 95% (90% IN THE JOINT REGION).
10. SURFACE COURSE SHALL BE 1/2" MINIMUM MIX DESIGN TO BE SUBMITTED FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO ANTICIPATED PAVING SCHEDULE.
11. AC PAVEMENT TO BE 3" ABOVE UP OF ALL GUTTERS AFTER COMPACTION.
12. THICKNESSES OVER 3" WILL BE LAID IN TWO LIFTS WITH THE FIRST LIFT BEING AN APPROVED 3/4" MINIMUM DESIGN.

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT, WHICH BY REFERENCE IS A PART OF THE REVISIONS TO THE CONTRACT. CONTRACTOR SHALL AVOID CONFLICT SHALL TAKE PRECEDENCE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND THESE PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL REMOVE AND REPLACE ANY UNSUITABLE MATERIALS AND ANY YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT.
3. ALL EXISTING OR FILLED AREAS SHALL BE COMPACTED TO 85% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557, EXCEPT UNDER BUILDING FOUNDATIONS WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
4. CONTRACTOR SHALL SUBMIT A PROPOSED REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITH THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
5. SITE CLEANSING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
6. ALL EXISTING UTILITIES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED TO GRADE AS REQUIRED.

- 17 UTILITIES
1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES EITHER DIRECT OR THROUGH AN INTERMEDIATE LOCAL AUTHORITY TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES.
2. CONTRACTOR TO VERIFY BY POT-HOLING BOTH THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLING ANY NEW LINES. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
3. CONTRACTOR MUST START AT END OF ALL NEW GRAVITY UTILITY LINES. MECHANICAL SUB-CONTRACTOR MUST BE PROVIDED WITH SITE DRAWINGS FOR COORDINATION AND TO OBTAIN A PERMIT FROM THE CITY OF CHICAGO. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXISTING MANHOLE. NO EXTRA COMPENSATION IS TO BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS.
4. CONTRACTOR TO VERIFY LOCATION, DEPTH, SIZE, TYPE, AND OUTSIDE DIMENSIONS OF ALL EXISTING FIELD LINES. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING CONDUITS TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. EXISTING UTILITY INFORMATION SHOWN ON PLANS OR OBTAINED FROM UTILITY COMPANIES OR BLUE STAKED LOCATIONS SHALL BE APPROXIMATE. A MINIMUM OF 300 FEET AHEAD, PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT.
5. CULINARY WATER AND FIRE SERVICE LINES TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.
6. SANITARY SEWER MAINS AND LATERALS TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.
7. STORM SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.
8. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND CONNECTIONS.
9. ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER TIGHT SEALS ON THE OUTSIDE AND GROUDED SHOULDS WITH A NON-SHRINK GROUT ON THE INSIDE. ALL PENETRATIONS SHALL BE PROTECTED WITH A GROUTED SHOULDER.
10. NO CHANGE IN THE DESIGN OF UTILITIES AS SHOWN WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE GOVERNING MUNICIPALITY, OR OTHER AUTHORITY HAVING JURISDICTION OVER THAT UTILITY.
11. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROOTS, DEBRIS, AND CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.

1. CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE MAINTAINED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE APPROVED GRADE OF THE MAIN AND/OR FACILITY AS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS FOR VERIFICATION PURPOSES.
3. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.

1. PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - * ROUTES SHALL HAVE A 2.08% (1/48) MAXIMUM CROSS SLOPE.
 - * ROUTES SHALL HAVE A 5.00% (1/20) MAXIMUM RUNNING SLOPE.
 - * RAMPS SHALL HAVE A 8.33% (1/12) MAXIMUM RUNNING SLOPE.
2. ADA PARKING STALLS AND ADJACENT ROUTES SHALL HAVE A 2.08% (1/48) MAXIMUM SURFACE SLOPE IN ANY DIRECTION.
3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.

**1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION**

LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

[illegible]

PROJECT NO: 20800

DRAWN BY: KLW

CHECKED BY: CHECKED BY

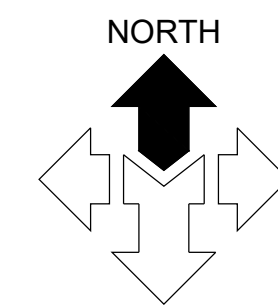
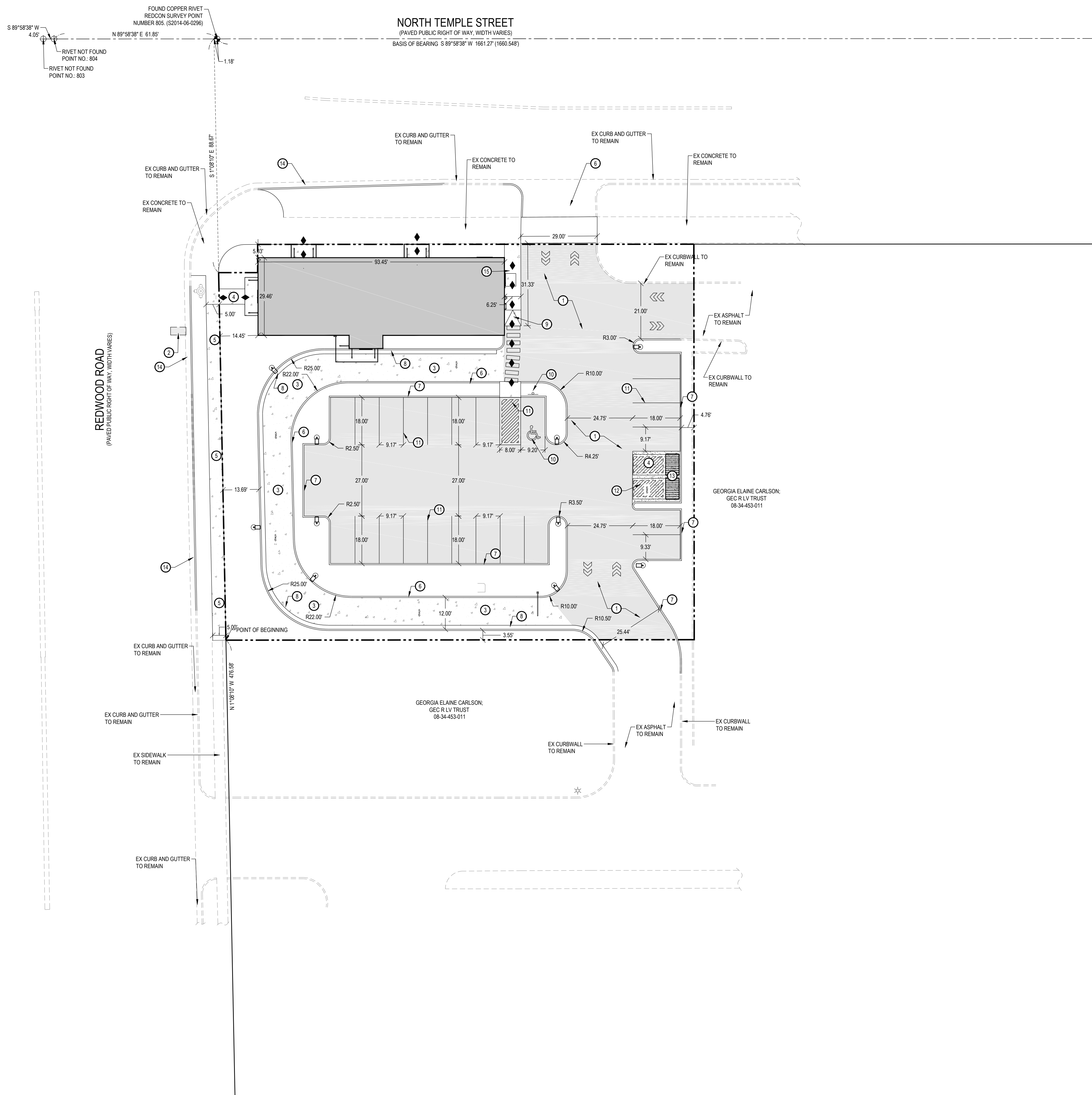
DATE: 4/08/2022

GENERAL NOTES, LEGEND AND ABBREVIATIONS

C0.01

NEW	EXISTING	NEW	EXISTING
			SECTION CORNER (FOUND)
			SECTION CORNER (NOT FOUND)
			STREET MONUMENT
			BRASS CAP MONUMENT
			POWER POLE
			UTILITY POLE
			GUY ANCHOR
			POWER TRANSFORMER
			TRAFFIC SIGNAL CABINET
			LIGHT POLE
			TELEPHONE RISER
			TELEPHONE MANHOLE
			TRAFFIC SIGNAL BOX
			WATER MANHOLE
			WATER VALVE
			WATER METER
			FIRE HYDRANT
			SANITARY SEWER MANHOLE
			SANITARY SEWER CLEANOUT
			STORM DRAIN MANHOLE
			STORM DRAIN CURB INLET
			STORM DRAIN CATCH BASIN
			STORM DRAIN CLEANOUT
			STORM DRAIN COMBO BOX
			MAILBOX
			SIGN
			FLOW DIRECTION
			SPOT ELEVATION
			CONIFEROUS TREE
			DECIDUOUS TREE

AC	ACRE	DIP	DUCTILE IRON PIPE	GM	GAS METER	POC	POINT OF COMPOUND CURVE	T	TOWNSHIP
ADA	AMERICANS WITH DISABILITIES ACT	DTREE	DEODIOUS TREE	GH	GAS MANHOLE	PI	POINT OF INTERSECTION	TBC	TOP BACK OF CURB
ADMS	ADVANCED TRAFFIC MODEL, SYSTEM	DYL	DRAIN YELLOW LINE	GL	GLUE	PL	PARKING SPACE	TL	TOE LINE
AKS	BUILD & CAP	E	EAST	GV	GAS VALVE	PP	POWER POLE	TOF	TOP FACE OF CURB
BC	BUILDING CORNER	EB	ELECTRIC BOX	HDPRE	HIGH DENSITY POLYETHYLENE	PRC	POINT OF REVERSE CURVE	TFG	TOP FINISH GRADE
BFC	BOTTOM FINISH GRADE	EG	ENERGY GRADE LINE	HO	HOLE	PRK	PARKING SPACE	THL	THREE LINE
BL	BLUE STAKED	ELEV	ELEVATION	HSL	HYDRAULIC GRADE LINE	POK	POINT OF CONNECTION	TMH	TELEPHONE MANHOLE
BLUFO	BLUE STAKED FIRE OPTIC	EM	ELECTRIC METER	HP	HIGH POINT	PT	POINT OF TANGENCY	TOA	TOP OF ASPHALT
BLUG	BLUE STAKED NATURAL GAS	EMH	ELECTRIC MANHOLE	HO	HEADWALL OR HIGH WATER	PWR	POWER	TOC	TOP OF CONCRETE
BLUS	BLUE STAKED IRRIGATION	EO	EDGE OF ASPHALT	HW	HEADWALL	PCV	POLY VINYL CHLORIDE PIPE	TOF	TOP OF FORM
BLUSD	BLUE STAKED STORM DRAIN	ECM	EDGE OF CONCRETE	ICW	IRRIGATION CLEANOUT	R	RANGE	TOG	TOP OF GRATE
BLUSL	BLUE STAKED SANITARY SEWER	EOL	EDGE OF GRAVEL	ICV	IRRIGATION CONTROL VALVE	RCP	REINFORCED CONCRETE PIPE	TOE	TOE OF SLOPE
BLUSL	BLUE STAKED SANITARY SEWER	ECG	EDGE OF CONCRETE	ICR	INVERT DRAIN CONTROL	RCP	REINFORCED CONCRETE PIPE	TOE	TOE OF SLOPE & TOP OF PIPE
BLUW	BLUE STAKED WATER	EX	EX OR EXIST	IRR	IRRIGATION	REV	REVISION	TOW	TOP OF WALL
BM	BENCHMARK	F	FIRE	LF	LINEAR FEET	ROW	RIGHT-OF-WAY	TR	TELEPHONE RISER
BOB	BOTTOM OF FOOTING	FC	FOUNDATION OF CORNER	LF	FOUR FEET	RW	RIGHT-OF-WAY	TV	TELEPHONE VALVE
BOB	BOTTOM OF BOX	FD	FOUNDATION OF DRAIN	LP	LOW POINT & LIGHT POLE	S	SOUTH	TFW	FINISH GRADE AT TOP OF WALL
BOL	BOLLARD	FDC	FIRE DEPT. CONNECTION	MAX	MAXIMUM	SAD	SEE ARCHITECTURAL DRAWINGS	TRANS	TRANSFORMER
BOT	BOTTOM	FDAN	FOUNDATION ANCHOR	MN	MINIMUM	SD	STORM DRAIN	TSB	TRAFFIC SIGNAL BOX
BOV	BOV, BLOW-OFF VALVE	FCN	FOUNDATION CORNER	MOV	MOVEMENT	SDCB	STORM DRAIN CATCH BASIN	UB	UNDERBURN
BOW	BOW BACK OF WALK	FPE	FINISHED FLOOR ELEVATION	MP	METAL PIPE	SDCO	STORM DRAIN CLEOUTH BOX	UG	UNDERGROUND
BOV	BOW FINISH GRADE AT BOTTOM OF WALL	FW	FINISHED GRADE	MW	MONITORING WELL	SDMH	STORM DRAIN MANHOLE	UGC	UNDERGROUND COMMUNICATIONS
C	CENTERLINE	FR	FIRE HYDRANT	N	NORTH	SP	SPECIFICATIONS	UGP	UNDERGROUND POWER
CATV	CABLE TELEVISION	F	FLOW LINE	NG	NATURAL GROUND	SPEC	SPECIFICATIONS	UGT	UNDERGROUND TELEVISION
CC	CONCRETE BARRIER	FC	FENCE	NGRT	NG AT RETAINING WALL	SLBM	SALT LAKE BASE & MERIDIAN	UGTV	UNDERGROUND TELEVISION
CC	CURB CUT	CHL	CHAIN LINK FENCE	NH	NAIL & ROSSIN	SN	SQUARE	UGO	UNDERGROUND OTHERWISE
CC	COLUM	FCNRN	IRON FENCE	NW	NAIL & WASHER	SGFT	SQUARE FEET	UTP	UTILITY POLE
COMM	COMMUNICATIONS	NCVLY	VINYL FENCE	NTS	NOT TO SCALE	SOYD	SQUARE YARD	VFP	VITRIFIED CLAY PIPE
CONC	CONCRETE	NCOL	WOOD FENCE	OG	ORIGINAL GROUND	SG	SQUARE	VC	VERTICAL CURVE
CONST	CONSTRUCTION	FNWR	WIRE FENCE	OH	OVERHANG	SSCO	SANITARY SEWER CLEANOUT	W	WEST
CP	CORRUGATED METAL PIPE	FO	FIBER OPTIC	OHC	OVERHEAD COMMUNICATIONS	SSMH	SANITARY SEWER MANHOLE	WM	WATER METER
CP	CONTROL POINT	FW	FRONT OF WALK	OHF	OVERHEAD POWER	ST	STEAM	WMH	WATER MANHOLE
CTREE	CONIFEROUS TREE	FT	FEET	OTH	OVERHEAD TELEPHONE	STN	STATION	WS	WATER SURFACE
CUT	CUBIC FOOT	G	NATURAL GAS	OHTV	OVERHEAD TELEVISION	STD	STANDARD	WTR	WATER
CYD	CUBIC YARD	GAR	GARAGE	P	PROPERTY LINE	STM	STORM	WW	WATER VOLUME
DEL	DELINELATOR	GB	GRADE BREAK	PB	POWER BOX	SL	SOLD YELLOW LINE	WW	WATERWAY
DI	DIMETER, IN	GL	GROUND LIGHT	PL	POINT OF CURVATURE	SWL	SOLD WHITE LINE		



SCALE: 1" = 20'



DESCRIPTION	AREA	%
HARDSCAPE	17,781 SQFT	67%
LANDSCAPE	6,066 SQFT	23%
BUILDINGS	2,817 SQFT	11%
TOTAL	26,663 SQFT	100%

GENERAL NOTES:

ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.

SEE ARCHITECTURAL SITE PLAN FOR ADDITIONAL INFORMATION

SEE LANDSCAPE PLANS FOR IRRIGATION AND PLANTING

ALL WORK TO COMPLY WITH GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.

ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.

KEYED NOTES:

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

- ① STANDARD DUTY ASPHALT PAVEMENT WITH GRANULAR BASE PER DETAIL 'D', SHEET C5.01.
- ② ASPHALT PATCH 12" OF GRANULAR BORROW, 6" UNTREATED BASE COURSE, AND 2" OF PG GRADE SUPERPAVE MIX DESIGN ASPHALT CONFORMING TO UDOT SPECIFICATION 02741.
- ③ STANDARD DUTY CONCRETE PAVEMENT WITH 6" OVER 6" GRANULAR BASE PER DETAIL 'D2', SHEET C5.01.
- ④ HEAVY DUTY CONCRETE PAVEMENT WITH 5" OVER 6" GRANULAR BASE PER DETAIL 'D2', SHEET C5.01.
- ⑤ CONCRETE SIDEWALK, PER APWA PLAN NO. 231 SHEET C5.02.
- ⑥ EX CONCRETE OPEN DRIVE APPROACH WIDTH TO BE ADJUSTED AS SHOWN.
- ⑦ CONCRETE CURB WALL. SEE DETAIL 'D3', SHEET C5.01.
- ⑧ 24" CONCRETE CURB AND GUTTER. SEE DETAIL 'D4', SHEET C5.01.
- ⑨ ADA RAMP WITH DETECTABLE WARNING SURFACE 1:12 MAX SLOPE.
- ⑩ PAINTED ADA SYMBOL. SEE DETAIL 'C3', SHEET C5.01.
- ⑪ 4" WIDE SOLID YELLOW PARKING STRIPE LINES.
- ⑫ 4" WIDE SOLID YELLOW PEDESTRIAN STRIPE LINES.
- ⑬ DUMPSTER ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- ⑭ EXISTING DRIVE ACCESS TO BE REMOVED AND INSTALL NEW UDOT TYPB B1 CURB AND GUTTER, PER UDOT STANDARD DRAWING NO. 'GW'24", SEE SHEET C5.01.
- ⑮ INTEGRAL CONCRETE SIDEWALK, SEE DETAIL 'C2', SHEET C5.01.

◆ ◆ ◆ ACCESSIBLE ROUTE WITH MAXIMUM 1:48 CROSS-SLOPE AND MAXIMUM 1:20 RUNNING-SLOPE.



NOTICE!

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

[illegible]

PROJECT NO: 20800

DRAWN BY: K LW

CHECKED BY: CHECKED BY

DATE: 4/08/2022

**HORIZONTAL
CONTROL
PLAN**

C1.01

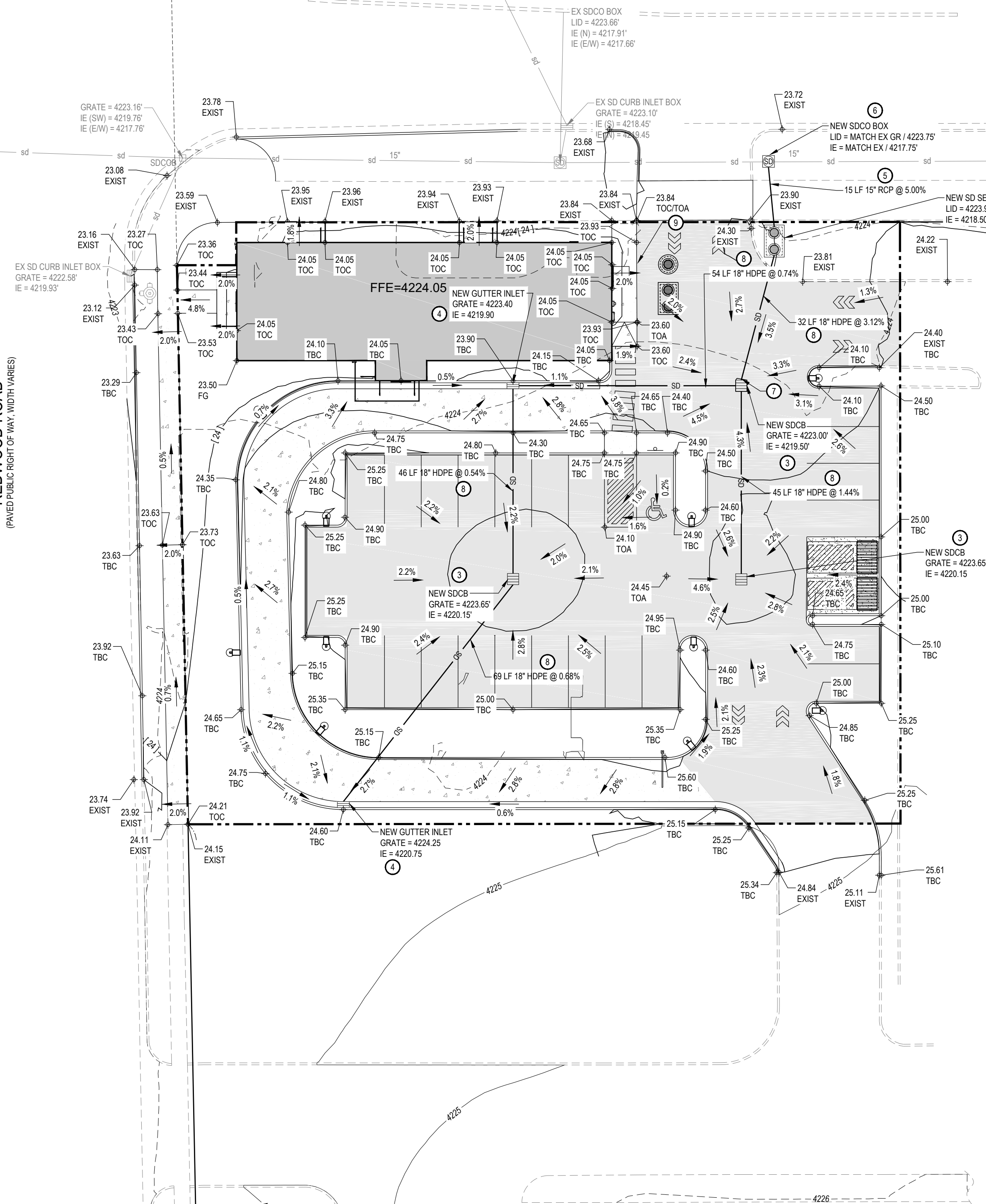
STARBUCK

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

S:\2020\1699 West North Temple\1699 West North Temple.dwg (20800) - PL\Kwang Daniel Apr 29, 2022 - 5:01pm

REDWOOD ROAD
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)

NORTH TEMPLE STREET
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)



STORM RUNOFF CALCULATION SHEET		Title: Starbucks
Project No. 20800		Scope: Site Drainage Design
Engineer: DJC		Detention Facilities
Authority: SLG		Engineer: DJC Check: DJC
		Rev. No.: 1

Design Philosophy:
The storm water runoff from the site will sheet flow to various catch basin or inlet boxes designed throughout the site. It will be collected at the boxes and conveyed by underground pipe to the last catch basin box in the system which will be fitted with an orifice plate restricting outflow. By restricting outflow to a rate of 1.75 cfs / acre giving a peak discharge of 1.07 cfs we cut in half the peak discharge and discharge rate from the historic discharge that is currently happening on this site. Any runoff water in excess of the 100 yr storm would start ponding in the parking / drive aisle until it over topped the drive access from North Temple.

Area Identification	Runoff Coefficient	(C)	(C'A)
Paved	17,681 sf (0.41 ac)	0.85	14,940 sf
Roof Area	2,814 sf (0.06 ac)	0.90	2,519 sf
Landscaped	6,168 sf (0.14 ac)	0.12	728 sf
Total	26,661 sf (0.61 ac)	0.68 (ave)	18,187 sf

Allowable Discharge Rate = 1.75 cfs/acre

Time (min)	Rate (in/hr)	Rainfall (Inches)	Q in (cfs)	Add'l Q in (cfs)	Total Q in (cfs)	Q out (cfs)	Storage (cf)
5	6.25	0.521	2.63	0.00	2.63	1.07	468
10	4.73	0.789	1.99	0.00	1.99	1.07	592
15	3.92	0.98	1.05	0.00	1.05	1.07	519
30	2.66	1.33	1.12	0.00	1.12	1.07	83
60	1.64	1.64	0.69	0.00	0.69	0.69	0
120	0.92	1.84	0.39	0.00	0.39	0.39	0
180	0.62	1.86	0.26	0.00	0.26	0.26	0
360	0.34	2.02	0.14	0.00	0.14	0.14	0
720	0.20	2.43	0.09	0.00	0.09	0.09	0
1440	0.11	2.72	0.05	0.00	0.05	0.05	0

Pipe Size	Length (LF)	Unit Storage (CF/LF)	Storage
6 in. Pipe	0	0.196	0 cf
12 in. Pipe	0	0.785	0 cf
18 in. Pipe	226	1.767	399 cf
30 in. Pipe	0	4.909	0 cf
Total Pipe Storage			399 cf

Amount	Box Length	Box Width	Av. Depth	Storage
5	3	3	3.50 ft	158 cf
Total Structure Storage				158 cf

Total Detention Provided: 557 cf
Total Detention Required: 552 cf

Orifice Design:
The orifice is designed upon the following data:
Total acreage of development: 0.61 acres
Allowable discharge: 1.07 cfs (1.75 cfs/acre)
Max head (center orifice to hw): 3.50 ft
Diameter for new orifice: 4.6 inch

$Q = C_d A_o \sqrt{2gh}$

STORM RUNOFF CALCULATION SHEET		Title: Starbucks
Project No. 20800		Scope: Site Drainage Design
Engineer: DJC		Detention Facilities
Authority: SLG		Engineer: DJC Check: DJC
		Rev. No.: 1

Design Philosophy:
These calculations show the existing storm water runoff and discharge for the site as it is existing as the current site has no form of detention or retention and simply discharges everything undetained into the storm drain system at the existing gutter inlet box at the intersection of Redwood Road and North Temple. By completely discharging the current site is discharging at a rate of 5 cfs/acre and has a peak discharge of 3.06 cfs.

Area Identification	Runoff Coefficient	(C)	(C'A)
Paved	21,539 sf (0.49 ac)	0.85	18,308 sf
Roof Area	2,158 sf (0.05 ac)	0.90	1,942 sf
Landscaped	3,000 sf (0.07 ac)	0.15	450 sf
Total	26,697 sf (0.61 ac)	0.78 (ave)	20,700 sf

Existing Discharge Rate = 5.00 cfs/acre
Existing Peak Discharge = 3.06 cfs

Time (min)	Rate (in/hr)	Rainfall (Inches)	Q in (cfs)	Add'l Q in (cfs)	Total Q in (cfs)	Q out (cfs)	Storage (cf)
5	6.25	0.521	3.00	0.00	3.00	3.00	0
10	4.73	0.789	2.27	0.00	2.27	2.27	0
15	3.94	0.98	1.89	0.00	1.89	1.89	0
30	2.66	1.33	1.27	0.00	1.27	1.27	0
60	1.64	1.64	0.79	0.00	0.79	0.79	0
120	0.92	1.84	0.44	0.00	0.44	0.44	0
180	0.62	1.86	0.30	0.00	0.30	0.30	0
360	0.34	2.02	0.16	0.00	0.16	0.16	0
720	0.20	2.43	0.10	0.00	0.10	0.10	0
1440	0.11	2.72	0.05	0.00	0.05	0.05	0

COMMON GRADING ABBREVIATIONS:
SEE SHEET C2.01 FOR ADDITIONAL ABBREVIATIONS

- BFE BASEMENT FLOOR ELEVATION
- BW FINISH GRADE AT BOTTOM OF WALL
- EX or EXIST EXISTING
- EOA EDGE OF ASPHALT
- EOC EDGE OF CONCRETE
- FFE FINISH FLOOR ELEVATION
- FG FINISH GRADE
- FL FLOW LINE
- GB GRADE BREAK
- HP HIGH POINT
- LP LOW POINT
- NG NATURAL GROUND
- SDCB STORM DRAIN CATCH BASIN
- SDDC STORM DRAIN CLEANOUT BOX
- SDOB STORM DRAIN BASIN
- SDMH STORM DRAIN MANHOLE
- TBC TOP-BACK OF CURB
- TOA TOP OF ASPHALT
- TOC TOP OF CONCRETE
- TOG TOP OF GRATE
- TOW TOP OF WALL
- TW FINISH GRADE AT TOP OF WALL
- WW WATERWAY



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

- GENERAL NOTES:
SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT (IF AVAILABLE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
- THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C2.10 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
- ALL ELEVATIONS SHOWN AT TOP AND BOTTOM OF WALL(S), IF ANY, ARE ELEVATIONS AT FINISH GRADE, UNLESS OTHERWISE NOTED.
- KEYED NOTES:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCE AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
 - STORM DRAIN SEPARATOR. SEE DETAIL SHEET C5.02.
 - STORM DRAIN CATCH BASIN WITH HEAVY DUTY BICYCLE SAFE GRATE. SEE DETAIL 'A5' SHEET C5.02.
 - STORM DRAIN GUTTER INLET WITH HEAVY DUTY BICYCLE SAFE GRATE. SEE DETAIL 'D3' SHEET C5.02.
 - 15" DIAMETER RCP FOR STORM DRAIN LINE CROSSING INTO THE ROW. SEE APWA PLANS NO. 381 & 382 FOR TRENCHING DETAIL.
 - STORM DRAIN CLEANOUT BOX.
 - INSTALL 4.6" DIA. ORIFICE RESTRICTOR OVER OUTLET PIPE.
 - 18" DIAMETER HDPE STORM DRAIN LINE. SEE APWA PLANS NO. 381 & 382 FOR TRENCHING DETAIL.
 - GRADE ASPHALT UP AGAINST SIDEWALK TO HAVE A 4" REVEAL.

REVISIONS		DESCRIPTION
REV	DATE	

PROJECT NO: 20800
DRAWN BY: KLV
CHECKED BY: CHECKED BY
DATE: 4/08/2022

GRADING AND
DRAINAGE
PLAN

C2.01

STARBUCK

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

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Structural Engineering • Land Surveying & H

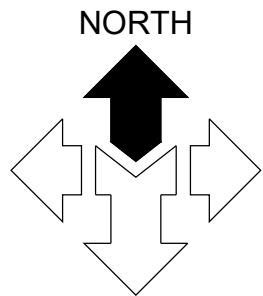
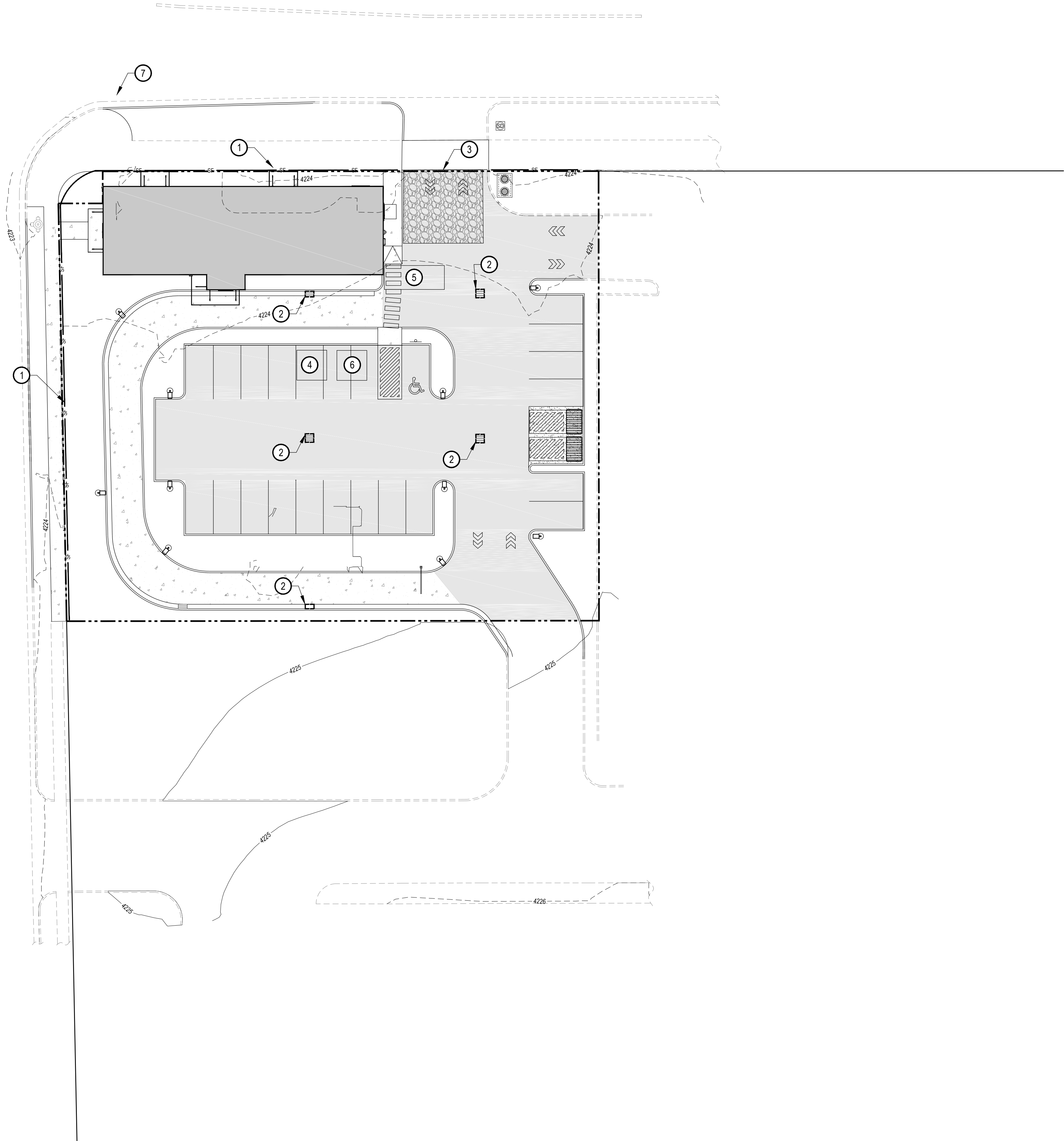
SCALE: 1" = 20'



S:\2020files\20800\Civil\Prod Dwg\20800 - P\U.dwg, Daniel Apr. 29, 2022 - 5:02pm

REDWOOD ROAD
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)

NORTH TEMPLE STREET
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)



SCALE: 1" = 20'



GENERAL NOTES:

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS REFERRED TO ON THIS SHEET SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LOCAL AGENCY'S EROSION CONTROL STANDARDS AND SPECIFICATIONS AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE AGENCY HAVING JURISDICTION. ALSO INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL.

WHEN GRADING OPERATIONS HAVE BEEN COMPLETED AND THE DISTURBED GROUND SHALL BE LEFT "OPEN" FOR 30 DAYS OR MORE THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS OF THE AREA.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

MAINTENANCE:

THE OWNER'S REPRESENTATIVE SHALL MAKE ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIRS OR SEDIMENT REMOVAL IS NECESSARY. DUE TO CONDITIONS THAT MAY ARISE IN THE FIELD, ADDITIONAL CONTROL MAY BE DETERMINED TO BE NECESSARY.

SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT THE LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCES, END RUNS, AND UNDERCUTTING BENEATH SILT FENCING.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCING SHALL BE ACCOMPLISHED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

KEYED NOTES:

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

- 1 SILT FENCE AS SHOWN ON PLAN. SEE DETAIL 'C3', SHEET C5.02.
- 2 INLET PROTECTION AROUND EXISTING OR NEW STORM DRAIN CATCH BASINS OR CURB INLETS. SEE DETAIL 'A1', SHEET C5.02.
- 3 TEMPORARY CONSTRUCTION ENTRANCE. SEE DETAIL 'C1', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- 4 CONCRETE WASHOUT AREA. CREATE A MIN. 10'X10' AREA WITH A 1" HIGH BERM. LINE AREA WITH PLASTIC. DISCARD WASTE IN DUMPSTER WHEN FULL AND LEGALLY DISPOSE OF. SEE DETAIL 'A3', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- 5 CONSTRUCTION DUMPSTER. CHECK LEVEL DAILY. LEGALLY DISPOSE OF WASTE AS NEEDED. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- 6 PORTABLE CONSTRUCTION TOILET. TOILET TO BE PROPERLY SECURED TO PREVENT TIPPING. BUILD 6" BERM AROUND TOILET TO CONTAIN ANY SPILLS OR LEAKAGE. CHECK LEVEL DAILY.
- 7 LEGALLY DISPOSE OF WASTE AS NEEDED. SEE DETAIL 'C5', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.



NOTICE!

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REVISIONS

REV	DATE	DESCRIPTION
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PROJECT NO: 20800

DRAWN BY: K LW

CHECKED BY: CHECKED BY

DATE: 4/08/2022

EROSION
CONTROL
PLAN

C2.10

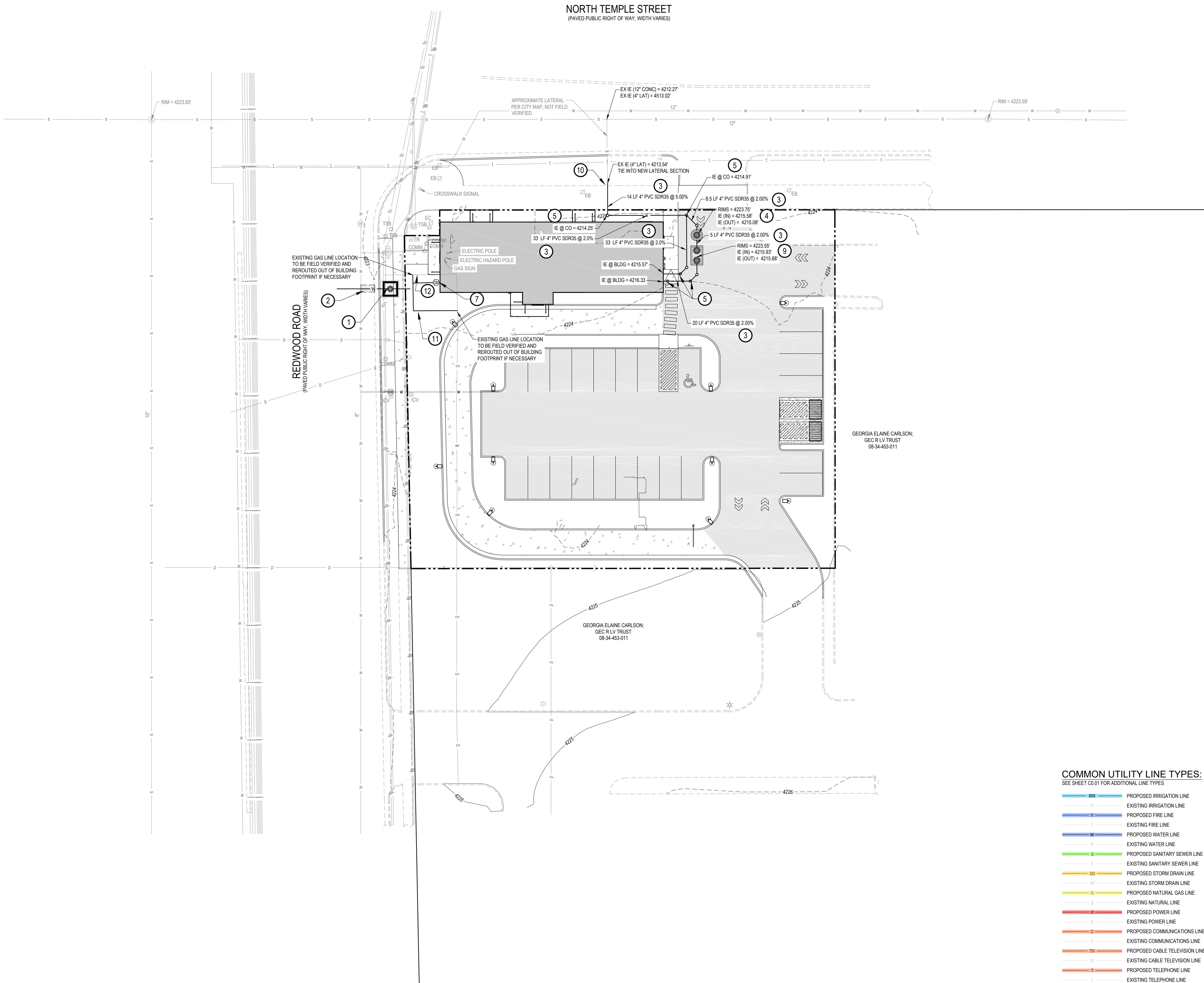
STARBUCK

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

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Structural Engineering • Land Surveying & HDS



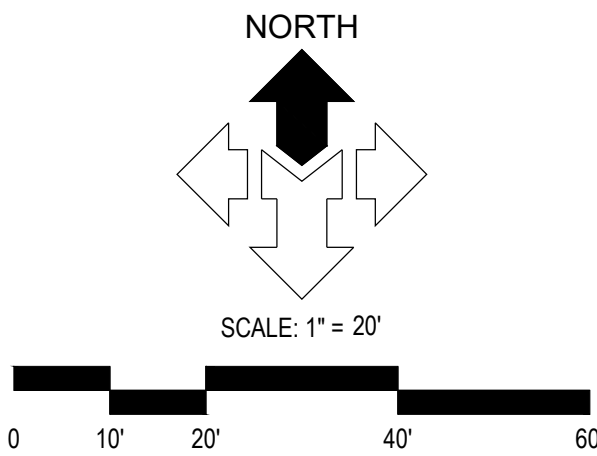
COMMON UTILITY LINE TYPES:
SEE SHEET C0.01 FOR ADDITIONAL LINE TYPES

	PROPOSED IRRIGATION LINE
	EXISTING IRRIGATION LINE
	PROPOSED FIRE LINE
	EXISTING FIRE LINE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED SANITARY SEWER LINE
	EXISTING SANITARY SEWER LINE
	PROPOSED STORM DRAIN LINE
	EXISTING STORM DRAIN LINE
	PROPOSED NATURAL GAS LINE
	EXISTING NATURAL GAS LINE
	PROPOSED POWER LINE
	EXISTING POWER LINE
	PROPOSED COMMUNICATIONS LINE
	EXISTING COMMUNICATIONS LINE
	PROPOSED CABLE TELEVISION LINE
	EXISTING CABLE TELEVISION LINE
	PROPOSED TELEPHONE LINE
	EXISTING TELEPHONE LINE



NOTICE!

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



GENERAL NOTES:

- CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.
- ALL NEW WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.
- ALL CONSTRUCTION SHALL COMPLY WITH SOUTH VALLEY SEWER DISTRICT'S DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY SEWER LINES.
- FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.
- MAINTAIN A MINIMUM OF 48 INCHES OF COVER ON ALL WATER LINES.
- CONTRACTOR IS TO COORDINATE LOCATIONS OF NEW TELEPHONE SERVICE TO BUILDING WITH CENTURY LINK. A PVC CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE IS REQUIRED FOR SERVICE THROUGH PROPERTY, COORDINATE SIZE AND LOCATION WITH CENTURY LINK.
- CONTRACTOR IS TO SUBMIT SITE PLAN TO DOMINION ENERGY FOR DESIGN OF GAS LINE SERVICE TO BUILDING. CONTRACTOR TO COORDINATE WITH DOMINION ENERGY FOR CONTRACTOR LIMITS OF WORK VERSUS DOMINION ENERGY LIMITS.
- LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.

UTILITY PROVIDERS:

WATER: SOUTH JORDAN CITY
SEWER: SOUTH VALLEY SEWER DISTRICT
NATURAL GAS: DOMINION ENERGY
ELECTRICAL POWER: ROCKY MOUNTAIN POWER
TELEPHONE: CENTURY LINK

KEYED NOTES:

- PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- 1 1-1/2" WATER SERVICE METER SET, PER APWA STANDARD PLAN 522 SHEET C5.03.
- 1-1/2" CTS POLY WATER SERVICE LINE, PER APWA STANDARD PLAN 552 SHEET C5.03.
- FOR TRENCHING, SEE SLCPU STD PRACTICE #1 SHEET C5.03.
- FOR TEE PATCH SEE PLAN 255, 2012 ADDITION SHEET C5.03.
- 4" PVC SDR-35 SANITARY SEWER LATERAL, INCLUDING ALL FITTINGS. CLEANOUTS AT 100-FOOT MAXIMUM SPACING. MINIMUM SLOPE 1.0%. INSTALL CLEANOUTS AND TRENCHING PER SLCPU DETAILS 431' AND SLCPU ON SHEET C5.03. THE NOSE-ON FOR THE SEWER LATERAL SHALL BE PERFORMED BY SLCPU PERSONNEL. CONTACT SLCPU AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.
- SANITARY SEWER SAMPLING MANHOLE, PER SLCPU STANDARD DRAWING 411 ON SHEET C5.0X.
- SANITARY SEWER CLEANOUT, PER SLCPU DETAIL 431 ON SHEET C5.0X.
- APPROXIMATE LOCATION OF EXISTING NATURAL GAS LINE. CONTRACTOR TO COORDINATE REROUTING OF MAIN LINE WITH DOMINION ENERGY. PINCH PORTION OF LINE TO BE ABANDONED.
- APPROXIMATE LOCATION OF NEW NATURAL GAS METERS(S). CONTRACTOR TO COORDINATE SIZE, DESIGN AND INSTALLATION WITH DOMINION ENERGY AND WITH MECHANICAL PLANS.
- CONTRACTOR TO COORDINATE WITH CENTURY LINK AND COMCAST FOR UTILITY SERVICE TO PROPOSED BUILDING.
- 800 GALLON GREASE INTERCEPTOR, PER DETAIL C-1 SHEET 5.03.
- CONTRACTOR TO CAMERA EXISTING LINE TO VERIFY IT IS IN ACCEPTABLE CONDITION FOR CONNECTION TO COMMERCIAL BATHROOM ONLY. SHOULD LINE BE IN UNACCEPTABLE CONDITION, CONTRACTOR SHOULD NOTIFY ENGINEER OF RECORD FOR ALTERNATIVE DESIGN. SEE PLUMBING PLANS FOR CONTINUATION OF SEWER LATERAL INTO BUILDING.
- EXISTING GAS LINE LOCATION TO BE FIELD VERIFIED BY CONTRACTOR AND REROUTED OUTSIDE OF THE PROPOSED BUILDING FOOTPRINT IF NECESSARY.
- APPROXIMATE LOCATION OF NEW NATURAL GAS LINE. CONTRACTOR TO COORDINATE SIZE, DESIGN AND INSTALLATION BY DOMINION ENERGY WITH OTHER CONSTRUCTION.

REVISIONS

REV	DATE	DESCRIPTION

PROJECT NO: 20800

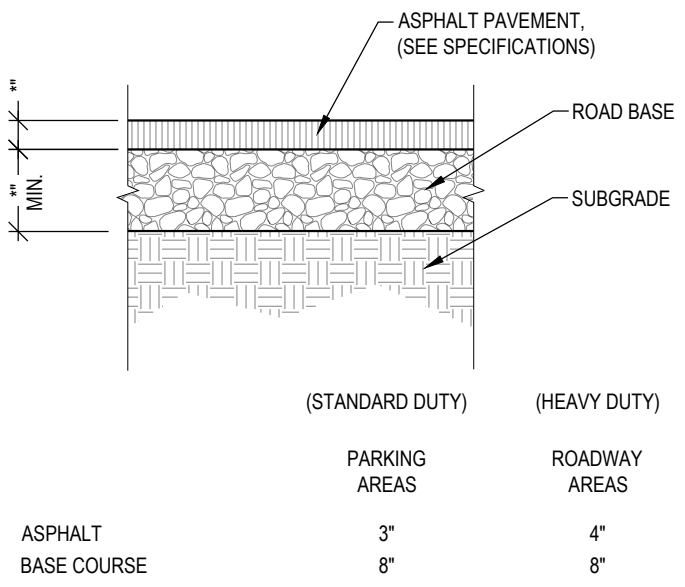
DRAWN BY: KLV

CHECKED BY: CHECKED BY

DATE: 4/08/2022

**SITE
UTILITY
PLAN**

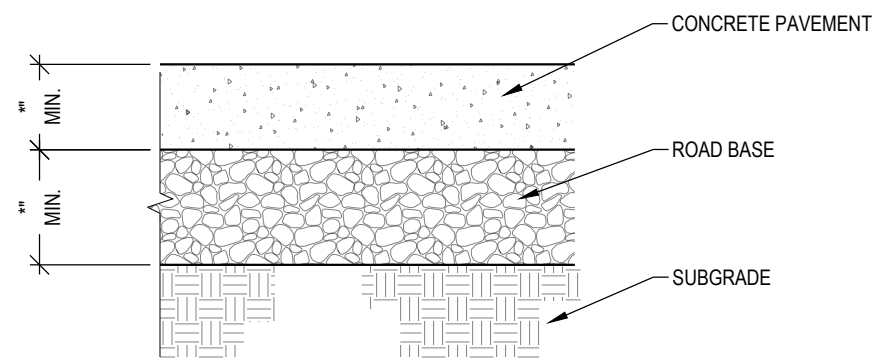
C4.01



NOTE:
REFER TO SOILS REPORT FOR PROJECT SECTION SOILS REPORT OVERIDES.

ASPHALTIC PAVEMENT SECTION

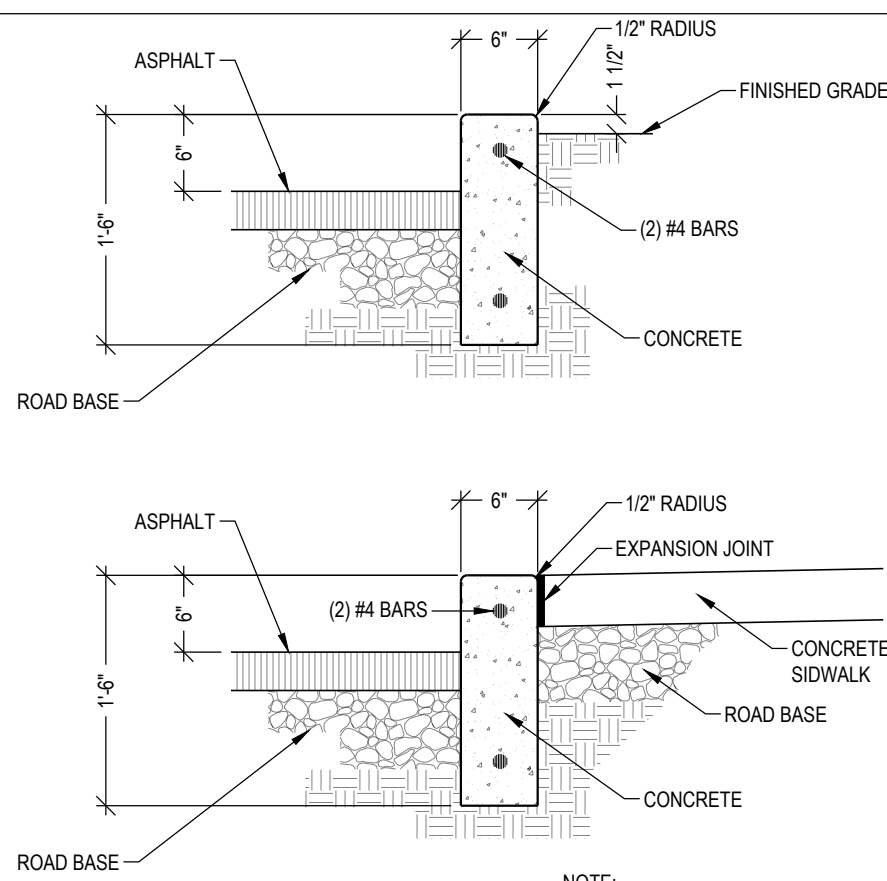
D1



NOTE:
REFER TO SOILS REPORT FOR PROJECT SECTION SOILS REPORT OVERIDES.

CONCRETE PAVEMENT SECTION

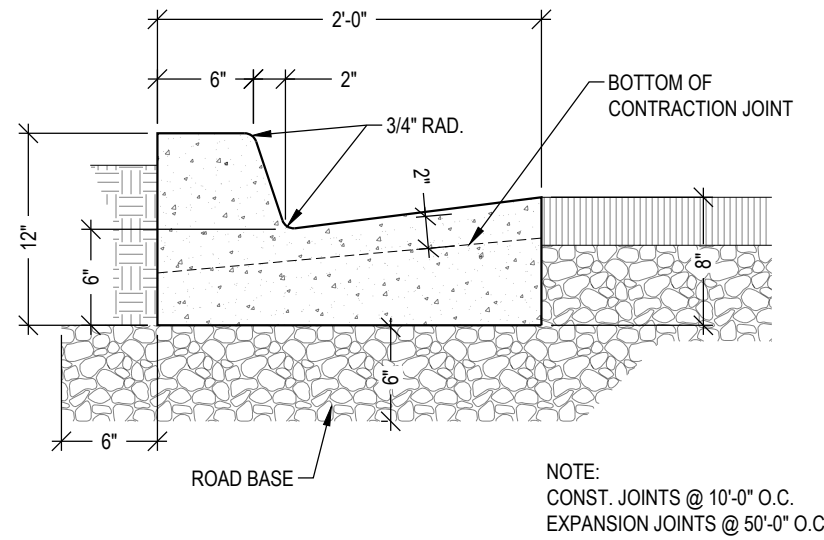
D2



NOTE:
CONST. JOINTS @ 10'-0" O.C.
EXPANSION JOINTS @ 50'-0" O.C.

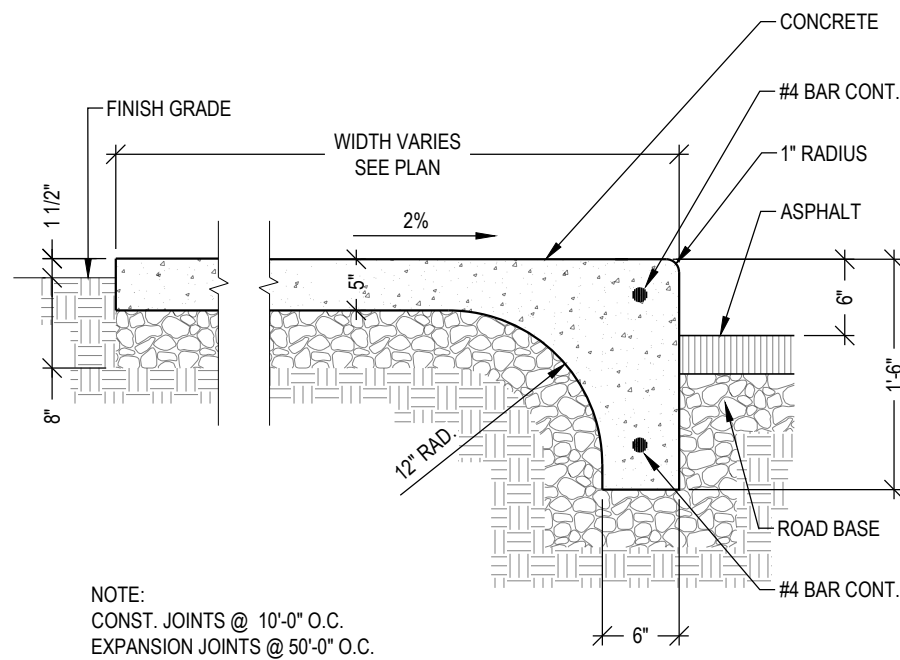
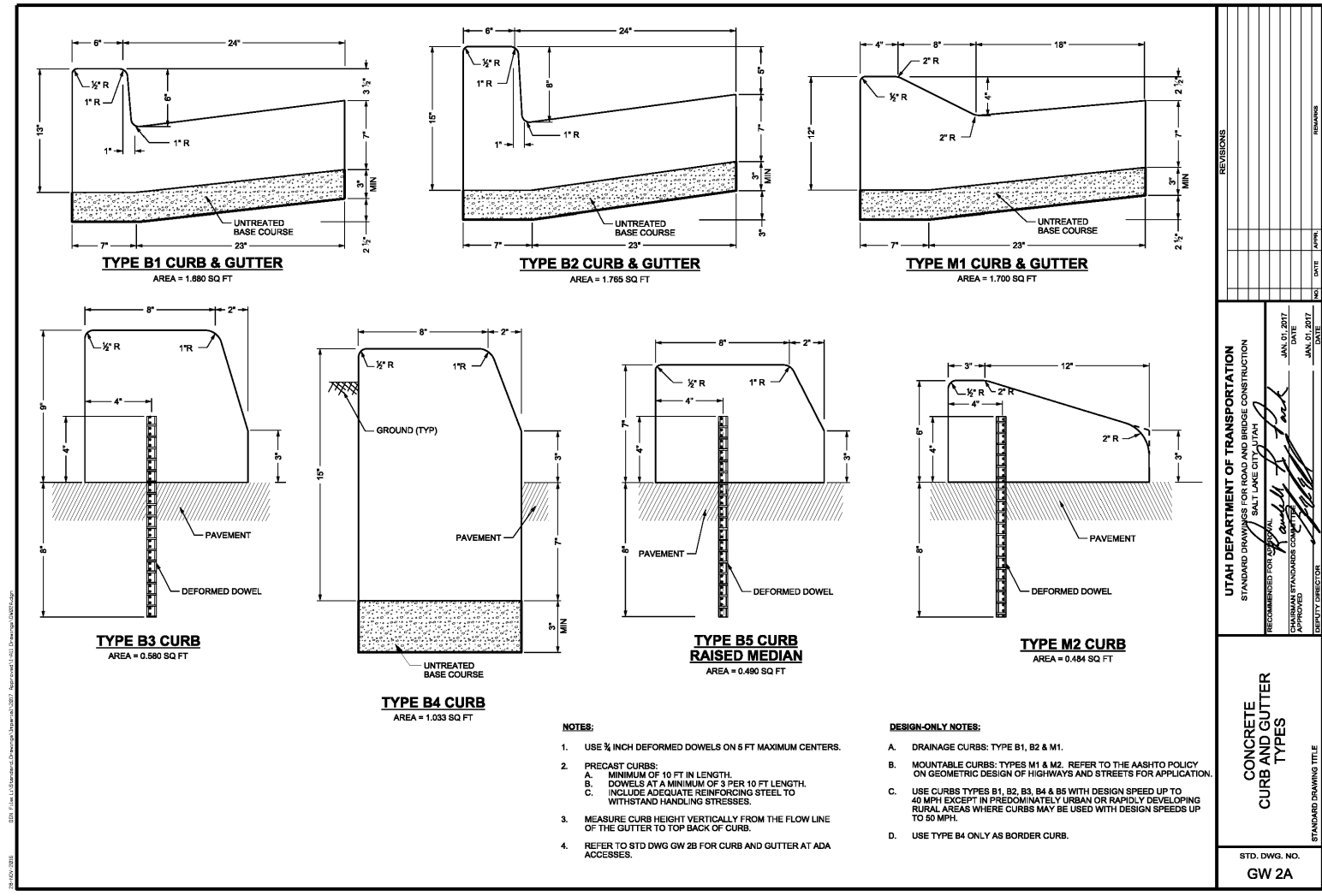
CURB WALL DETAIL

D3



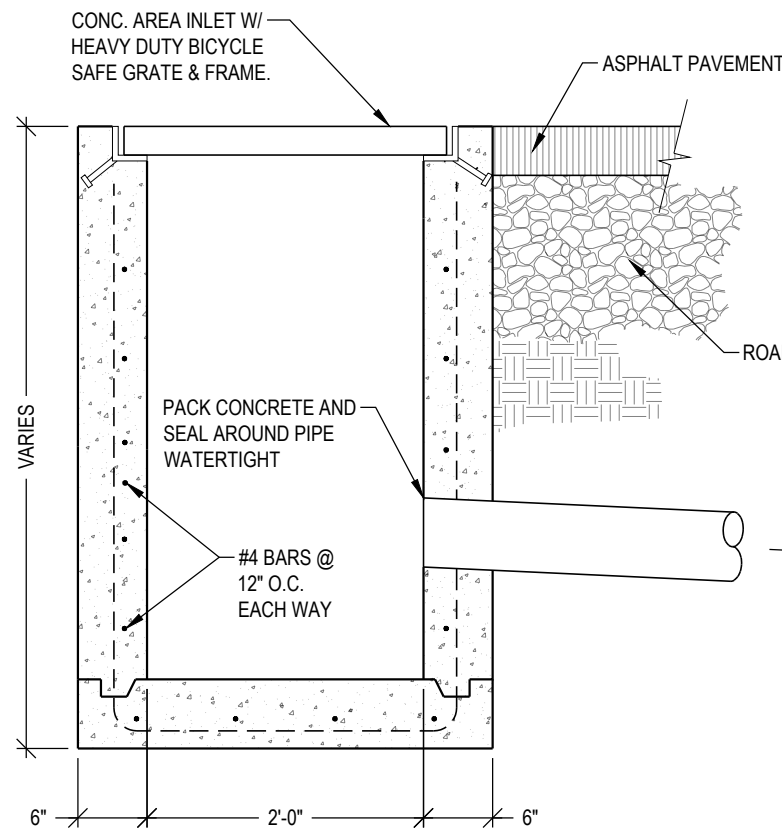
24" CURB & GUTTER

D4



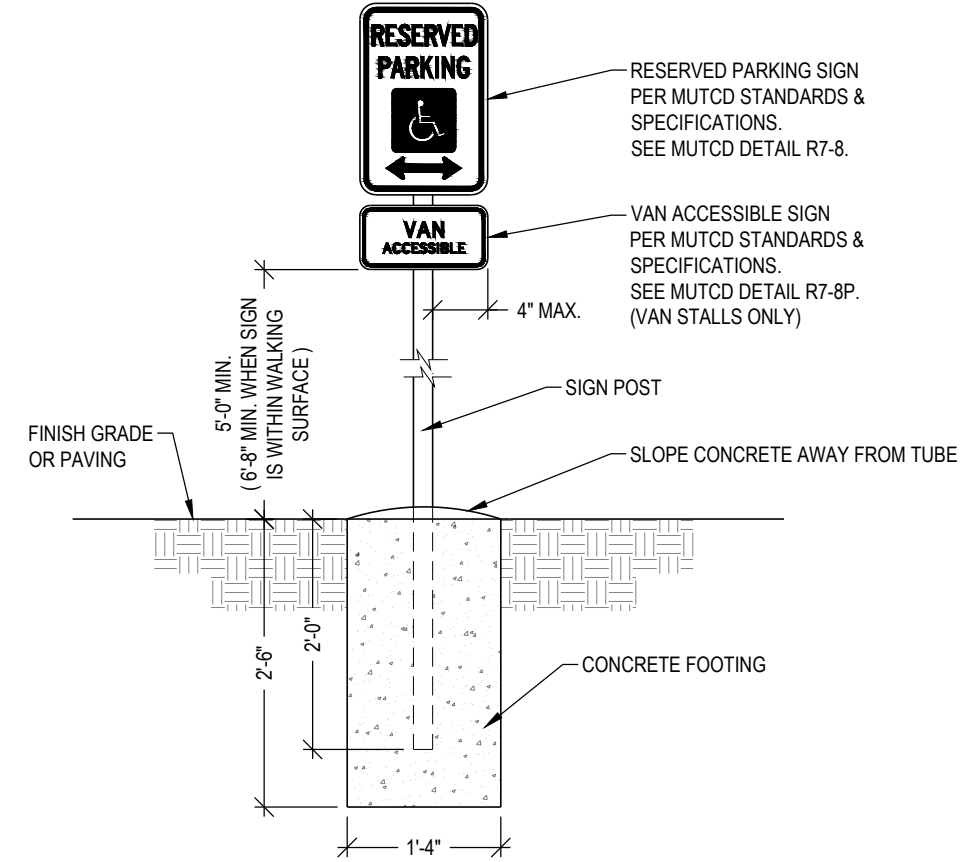
INTEGRAL WALK & CURB

C5



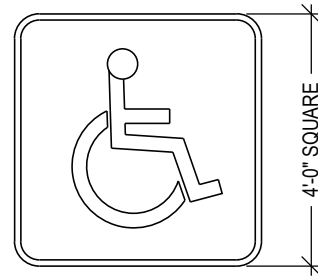
AREA INLET

C1



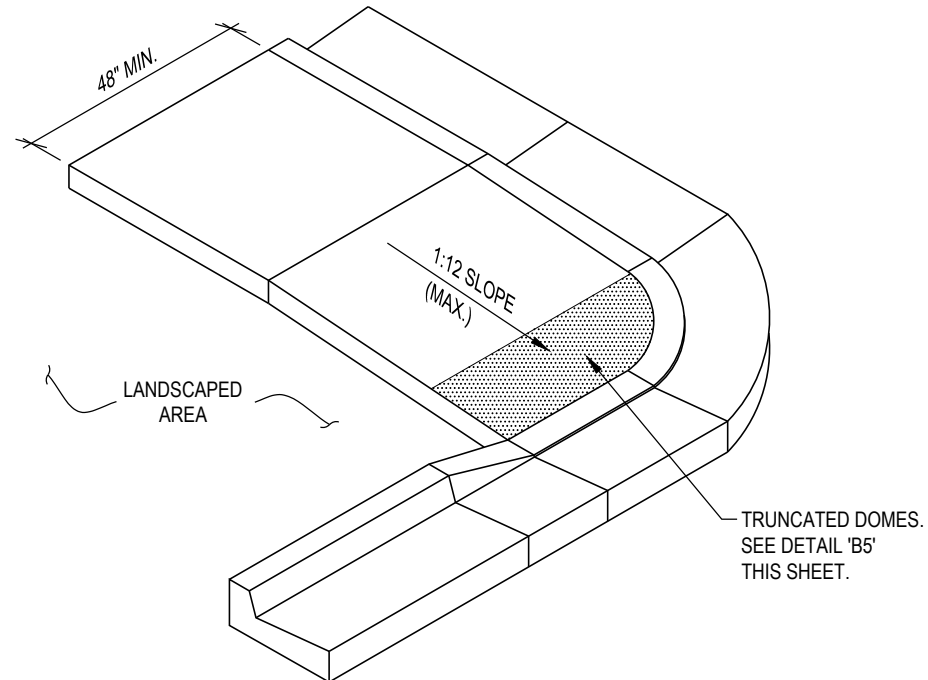
ADA PARKING SIGN

C2



PAINTED ADA SYMBOL

C3

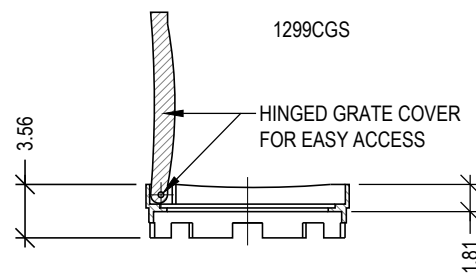


ADA ACCESSIBLE RAMP

C4

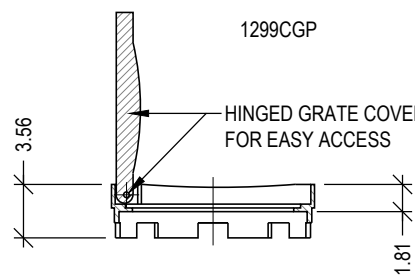
NYLOPLAST 12" GRATES/COVERS

STANDARD GRATE MEETS H-20 LOAD RATING.
PEDESTRIAN GRATE MEETS H-10 LOAD RATING.
QUALITY MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05 & A48-CLASS 30B.
MATERIAL: DUCTILE IRON GRATE W/CAST IRON FRAME.
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST.



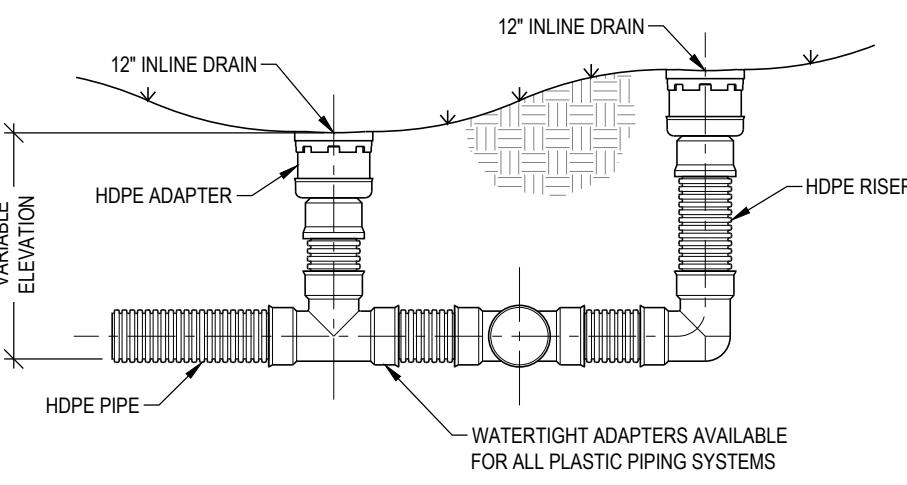
STANDARD GRATE

APPROX. DRAIN AREA = 60.62 SQ. IN.
APPROX. WEIGHT WITH FRAME = 40.68 LBS.



PEDESTRIAN GRATE

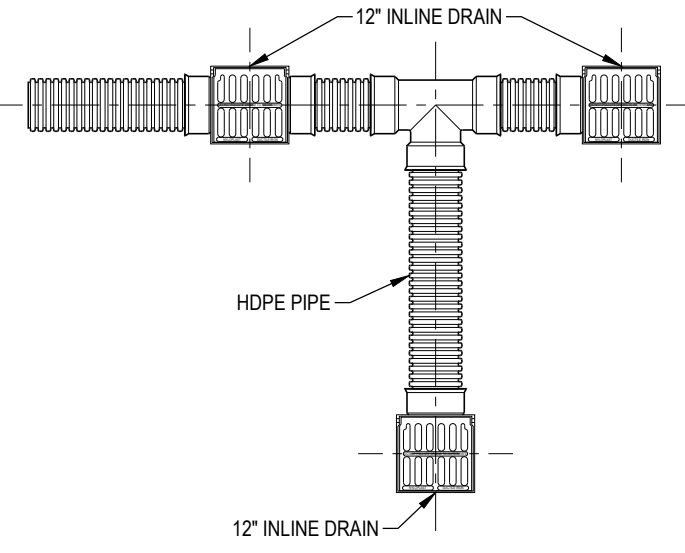
APPROX. DRAIN AREA = 50.60 SQ. IN.
APPROX. WEIGHT WITH FRAME = 35.04 LBS.



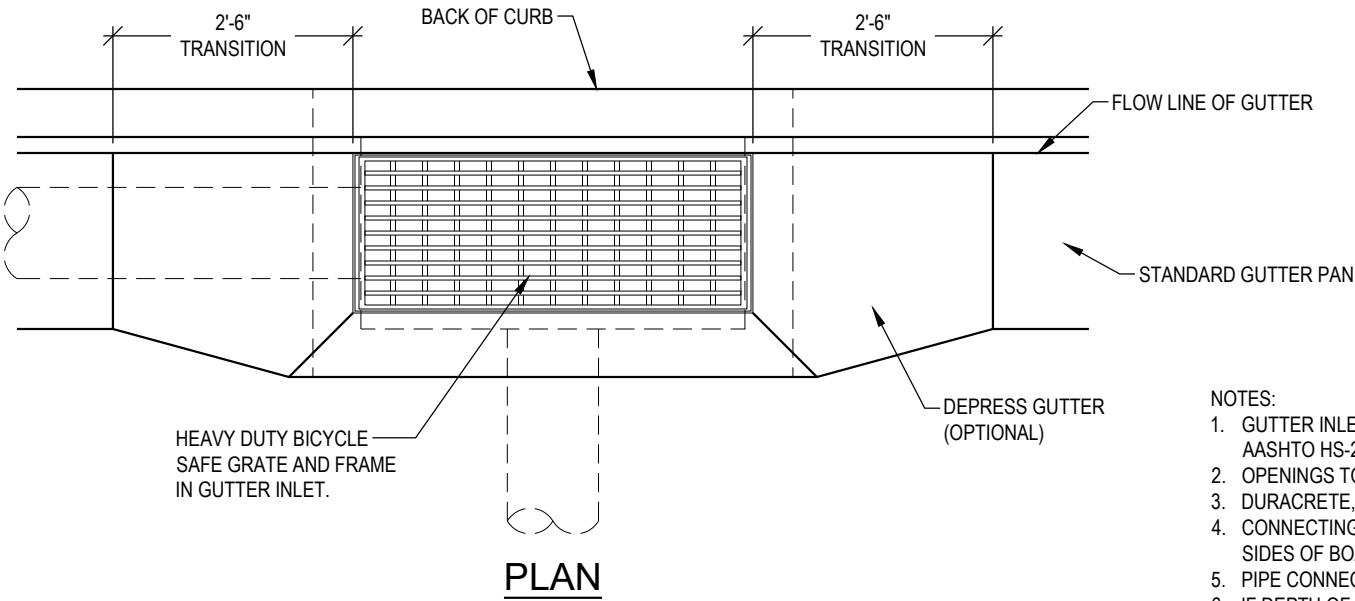
SECTION VIEW

HDPE INLINE DRAIN DETAIL

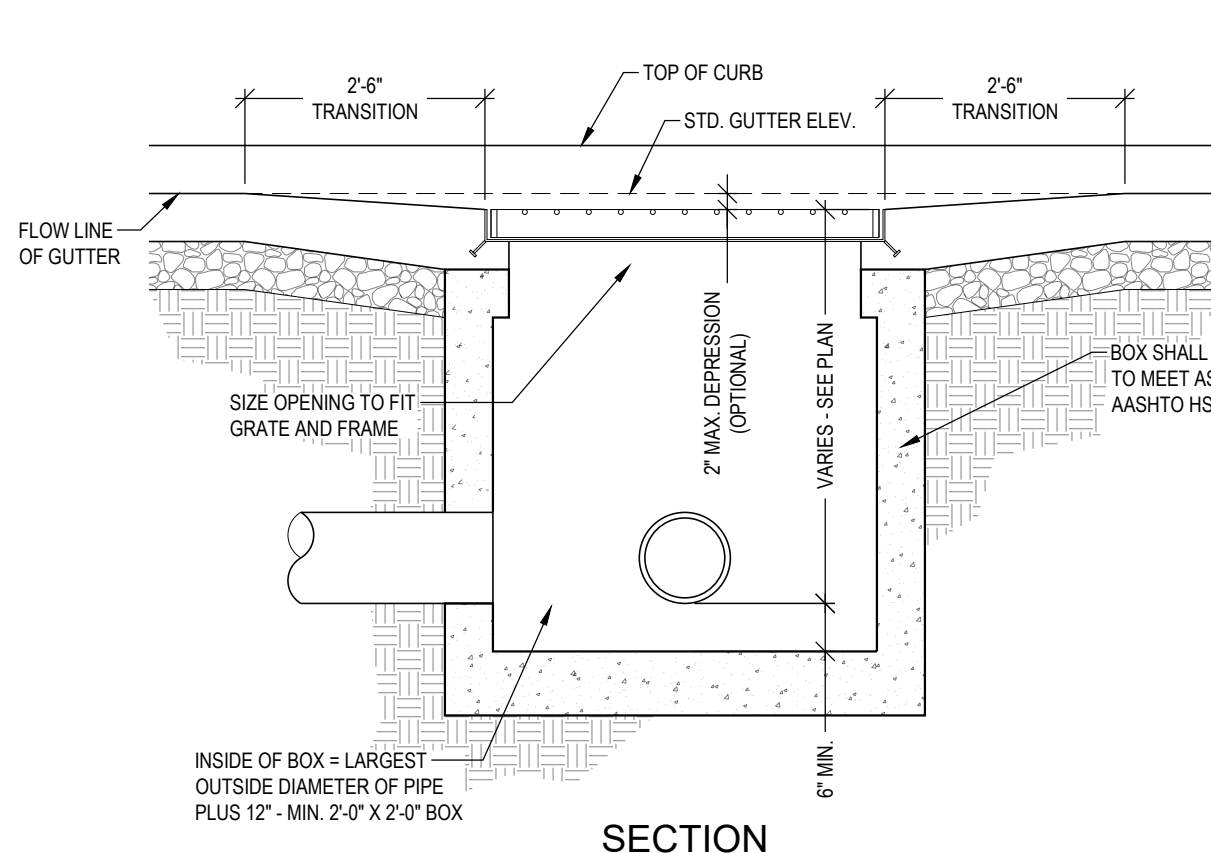
A1



PLAN VIEW



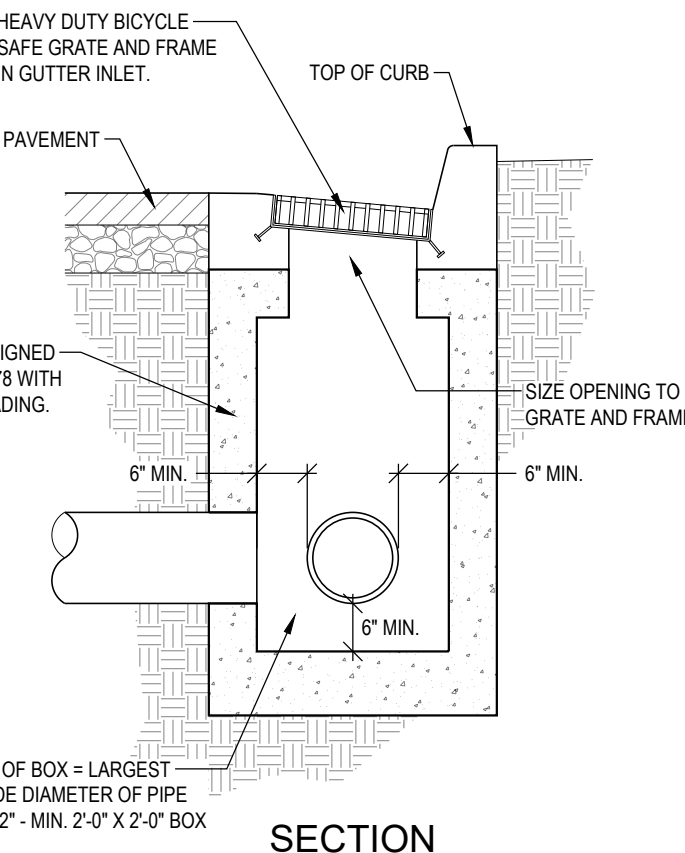
PLAN



SECTION

GUTTER INLET

A3

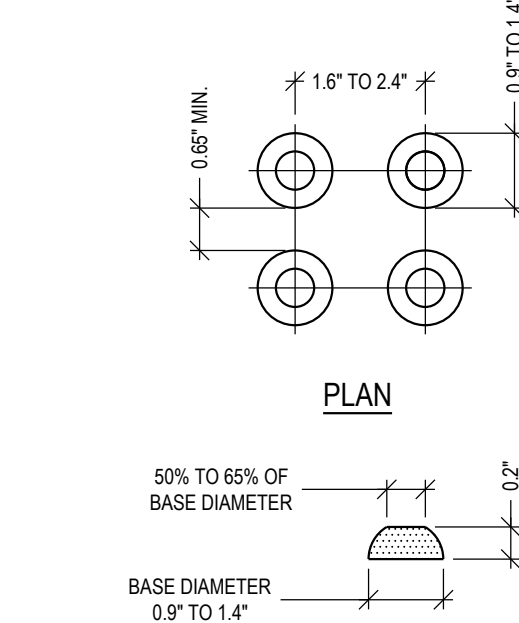


SECTION

CONCRETE PAVER OPTION DETAIL

A

SCALE: N.T.S.



TRUNCATED DOME DETAIL

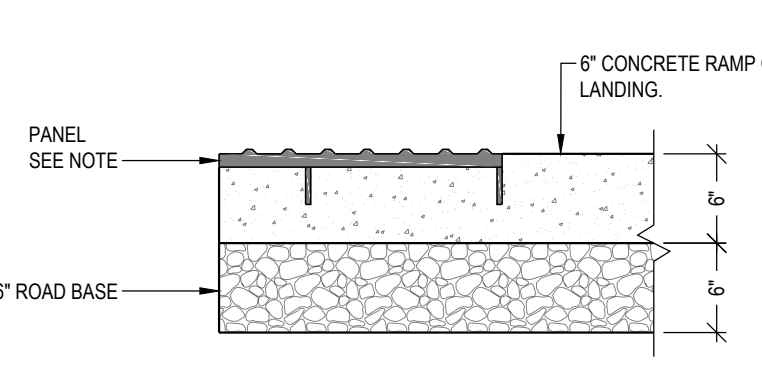
C

SCALE: N.T.S.

TILE OPTION DETAIL

B

SCALE: N.T.S.



RIBBED POLYMER COMPOSITE
TYPE PANEL OPTION DETAIL

C

SCALE: N.T.S.

STARBUCK

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH

LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

REVISIONS

REV. DATE

PROJECT NO:

DRAWN BY:

CHECKED BY:

DATE:

CIVIL
DETAILS

C5.01

McNEIL ENGINEERING

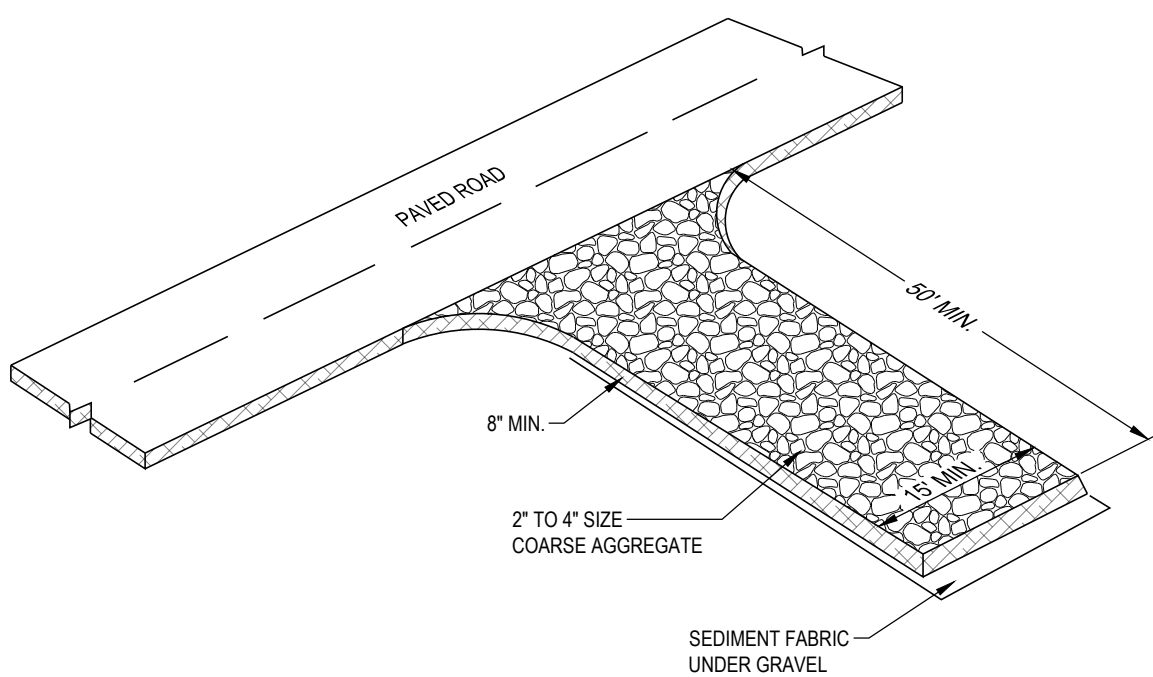
Economic and Sustainable Designs, Professionals You Know and Trust

8610 South Sandy Parkway, Suite 200 Sandy, Utah 84070 801.255.7700 mcnengineering.com

Civil Engineering • Consulting & Landscape Architecture

Structural Engineering • Land Surveying & HDS

S:\2025\Files\20800\Civil\Prod\DWG\20800 - P\N.dwg, Dated: Apr. 29, 2022 - 5:02pm



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

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

INSTALLATION/APPLICATION CRITERIA:

- CLEAR GRUB AREA AND GRADE TO PROVIDE MAXIMUM SLOPE OF 2%.
- COMPACT SUB GRADE AND PLACE FILTER FABRIC IF DESIRED (RECOMMENDED FOR ENTRANCES TO REMAIN FOR MORE THAN 3 MONTHS).
- PLACE COARSE AGGREGATE, 1 TO 2 1/2 INCHES IN SIZE, TO A MINIMUM DEPTH OF 8 INCHES.

LIMITATIONS:

- REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONES.
- SHOULD BE USED IN CONJUNCTION WITH STREET SWEEPING ON ADJACENT PUBLIC RIGHT-OF-WAY.

MAINTENANCE:

- INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP.
- INSPECT ADJACENT ROADWAY FOR SEDIMENT DEPOSIT AND CLEAN BY SWEEPING OR SHOVELING.
- REPAIR ENTRANCE AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.
- EXPAND STABILIZED AREA AS REQUIRED TO ACCOMMODATE TRAFFIC AND PREVENT EROSION AT DRIVEWAYS.

- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
 - MINIMIZE DISTURBED AREA
 - STABILIZE DISTURBED AREA
 - PROTECT SLOPES/CHANNELS
 - CONTROL SITE PERIMETER
 - CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- NUTRIENTS
- TOXIC MATERIALS
- OIL & GREASE
- FLOATABLE MATERIALS
- OTHER WASTE

- HIGH IMPACT
- MEDIUM IMPACT
- LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

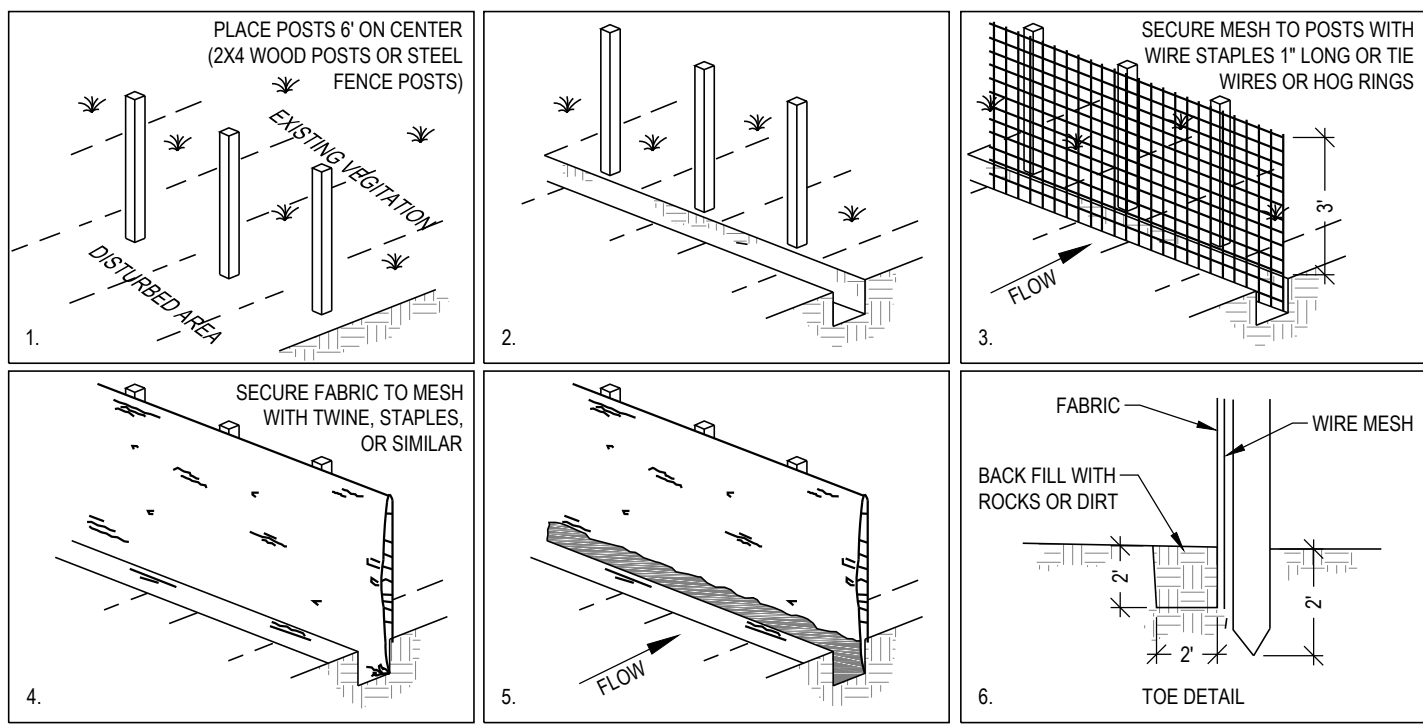
- CAPITAL COSTS
- O & M COSTS
- MAINTENANCE
- TRAINING

- HIGH
- MEDIUM
- LOW

STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.

C1



DESCRIPTION:
A TEMPORARY SEDIMENT BARRIER CONSISTING OF ENTRENCHED FILTER FABRIC STRETCHED ACROSS AND SECURED TO SUPPORTING POSTS.

APPLICATIONS:

- PERIMETER CONTROL: PLACE BARRIER AT DOWNGRADE LIMITS OF DISTURBANCE.
- SEDIMENT BARRIER: PLACE BARRIER AT TOE OF SLOPE OR SOIL STOCKPILE.
- PROTECTION OF EXISTING WATERWAYS: PLACE BARRIER AT TOP OF STREAM BANK.
- INLET PROTECTION: PLACE FENCE SURROUNDING CATCH BASINS.

INSTALLATION/APPLICATION CRITERIA:

- PLACE POSTS 6 FEET APART ON CENTER ALONG CONTOUR (OR USE PRE-ASSEMBLED UNIT) AND DRIVE 2 FEET MINIMUM INTO GROUND. EXCAVATE AN ANCHOR TRENCH IMMEDIATELY UPGRADIENT OF POSTS.
- SECURE WIRE MESH (14 GAGE MIN. WITH 6 INCH OPENINGS) TO UPSLOPE SIDE OF POSTS. ATTACH WITH HEAVY DUTY 1 INCH LONG WIRE STAPLES, TIE WIRES OR HOG RINGS.
- CUT FABRIC TO REQUIRED WIDTH: UNROLL ALONG LENGTH OF BARRIER AND DRAPE OVER BARRIER. SECURE FABRIC TO MESH WITH TWINE, STAPLES, OR SIMILAR, WITH TRAILING EDGE EXTENDING INTO ANCHOR TRENCH.
- BACKFILL OVER FILTER FABRIC TO ANCHOR.

LIMITATIONS:

- RECOMMENDED MAXIMUM DRAINAGE AREA OF 0.5 ACRE PER 100 FEET OF FENCE.
- RECOMMENDED MAXIMUM UPGRADIENT SLOPE LENGTH OF 150 FEET.
- RECOMMENDED MAXIMUM UPHILL GRADE OF 2:1 (50%).
- RECOMMENDED MAXIMUM FLOW RATE OF 0.5 CFS.
- PONDING SHOULD NOT BE ALLOWED BEHIND FENCE.

MAINTENANCE:

- INSPECT IMMEDIATELY AFTER ANY RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- LOOK FOR RUNOFF BYPASSING ENDS OF BARRIERS OR UNDERCUTTING BARRIERS.
- REPAIR OR REPLACE DAMAGED AREAS OF THE BARRIER AND REMOVE ACCUMULATED SEDIMENT.
- REANCHOR FENCE AS NECESSARY TO PREVENT SHORTCUTTING.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.

- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
 - MINIMIZE DISTURBED AREA
 - STABILIZE DISTURBED AREA
 - PROTECT SLOPES/CHANNELS
 - CONTROL SITE PERIMETER
 - CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- NUTRIENTS
- TOXIC MATERIALS
- OIL & GREASE
- FLOATABLE MATERIALS
- OTHER WASTE

- HIGH IMPACT
- MEDIUM IMPACT
- LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

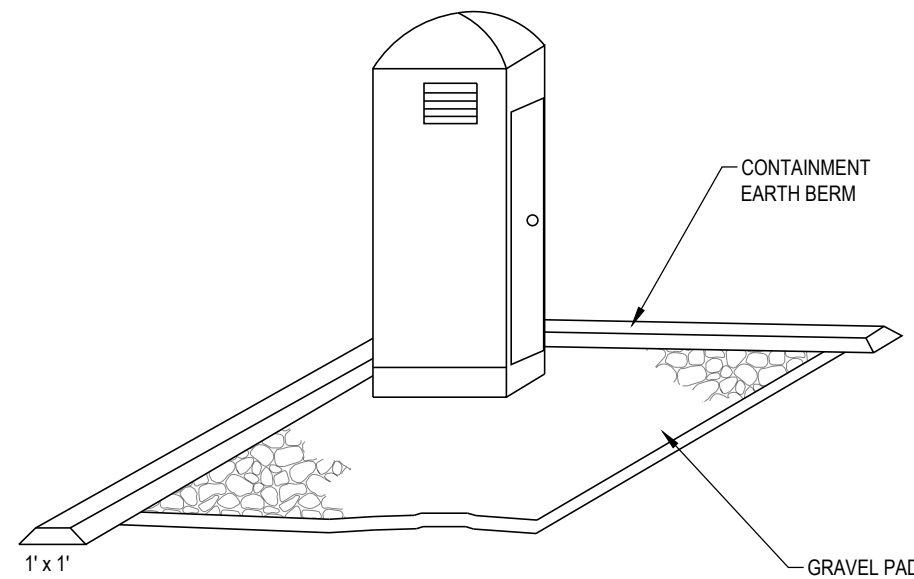
- CAPITAL COSTS
- O & M COSTS
- MAINTENANCE
- TRAINING

- HIGH
- MEDIUM
- LOW

SILT FENCE

SCALE: N.T.S.

C3



DESCRIPTION:
TEMPORARY ON-SITE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL.

APPLICATIONS:

- ALL SITES WITH NO PERMANENT SANITARY FACILITIES OR WHERE PERMANENT FACILITY IS TO FAR FROM ACTIVITIES.

INSTALLATION/APPLICATION CRITERIA:

- LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE.
- PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS FOR SERVICING AND FOR ON-SITE PERSONNEL.
- CONSTRUCT EARTH BERM PERIMETER (SEE EARTH BERM BARRIER INFORMATION SHEET), CONTROL FOR SPILL PROTECTION LEAK.

LIMITATIONS:

- NO LIMITATIONS

MAINTENANCE:

- PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED SERVICE WITH DAILY OBSERVATION FOR LEAK DETECTION.
- REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE.
- ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT WITH APPROPRIATE AGENCY APPROVAL.

- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
 - MINIMIZE DISTURBED AREA
 - STABILIZE DISTURBED AREA
 - PROTECT SLOPES/CHANNELS
 - CONTROL SITE PERIMETER
 - CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- NUTRIENTS
- TOXIC MATERIALS
- OIL & GREASE
- FLOATABLE MATERIALS
- OTHER WASTE

- HIGH IMPACT
- MEDIUM IMPACT
- LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

- CAPITAL COSTS
- O & M COSTS
- MAINTENANCE
- TRAINING

- HIGH
- MEDIUM
- LOW

PORTABLE TOILETS

SCALE: N.T.S.

C5

FILTERSOCK SPECIFICATION:

FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

- 1.0 DESCRIPTION:**
THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.
- 2.0 COMPOST PRODUCTS USED TO FILL FILTREXX FILTERSOCKS**
- 1. COMPOST:** COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS, INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC GUIDELINES FOR LABORATORY PROCEDURES.
- A. PH - 5.0-8.0** IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST"
- B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A 1/2" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98 % SHALL NOT EXCEED 3 INCHES IN LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION"**
- C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.**
- D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.**
- E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.**
- 3.0 CONSTRUCTION AND INSTALLATION OF FILTREXX FILTERSOCKS:**
- 1. FILTREXX FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION ON CONSTRUCTION SITES WHICH REQUIRE PROTECTION AGAINST SEDIMENT LADEN WATER AFTER STORM DRAINS BECOME OPERATIONAL.**
- 2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS COMPLETE PROTECTION OF THE INLET AREA.**
- 3. INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE.**
- 4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS. IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE ENGINEER.**
- 5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2.**
- 6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN ORDER TO KEEP THE AREA FROM FLOODING.**
- 7. THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER TO THE DRAIN ITSELF, ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE**

FILTERSOCKS: SEE BELOW SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION.

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

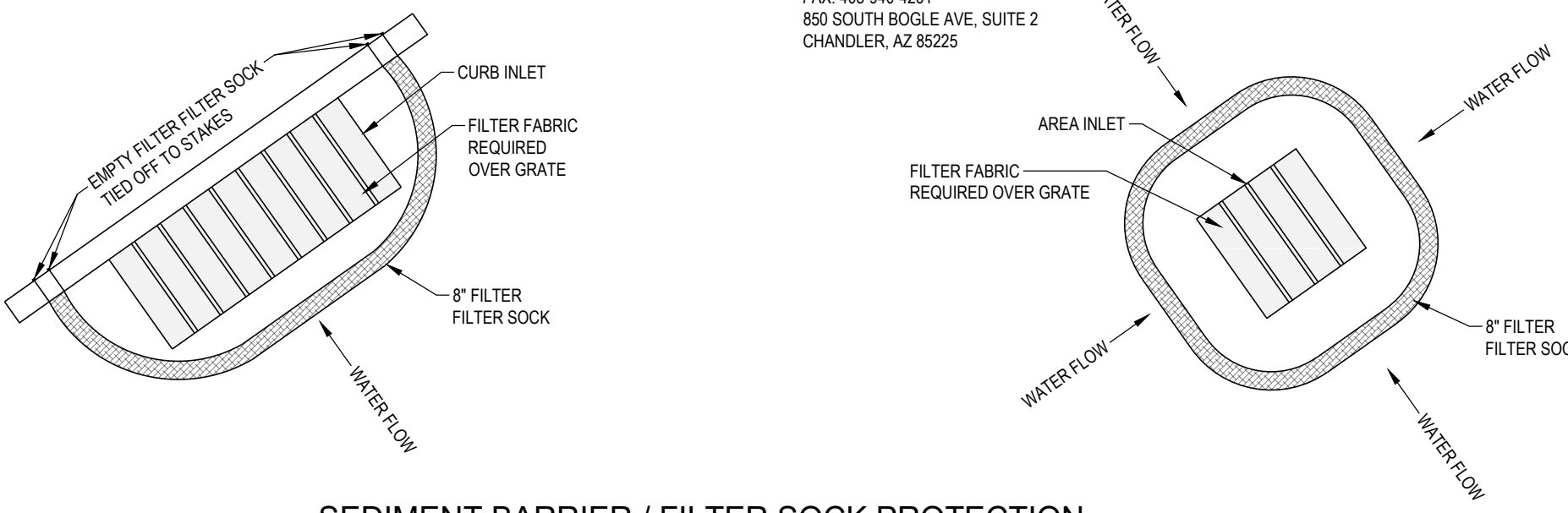
- 4.0 MAINTENANCE:**
1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
 3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY THE ENGINEER.
 4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR.
 5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING UNDER THEM AS SEDIMENT COLLECTS.

- 5.0 METHOD OF MEASUREMENT:**
- BID ITEMS SHALL SHOW MEASUREMENT AS "FILTREXX FILTERSOCK" PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER.

- 6.0 PERFORMANCE:**
1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION REQUIREMENTS AS NEEDED.
 2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

- 7.0 APPLICATION GUIDELINES:**
1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOBSITE USING A 3 MIL. TUBULAR HOPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0.
 2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOBSITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE: YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8" MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC.
 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

WINDSEPT ORGANIC INC.
WORK: 480-363-4638
FAX: 408-940-4261
860 SOUTH BOULE AVENUE, SUITE 2
CHANDLER, AZ 85225

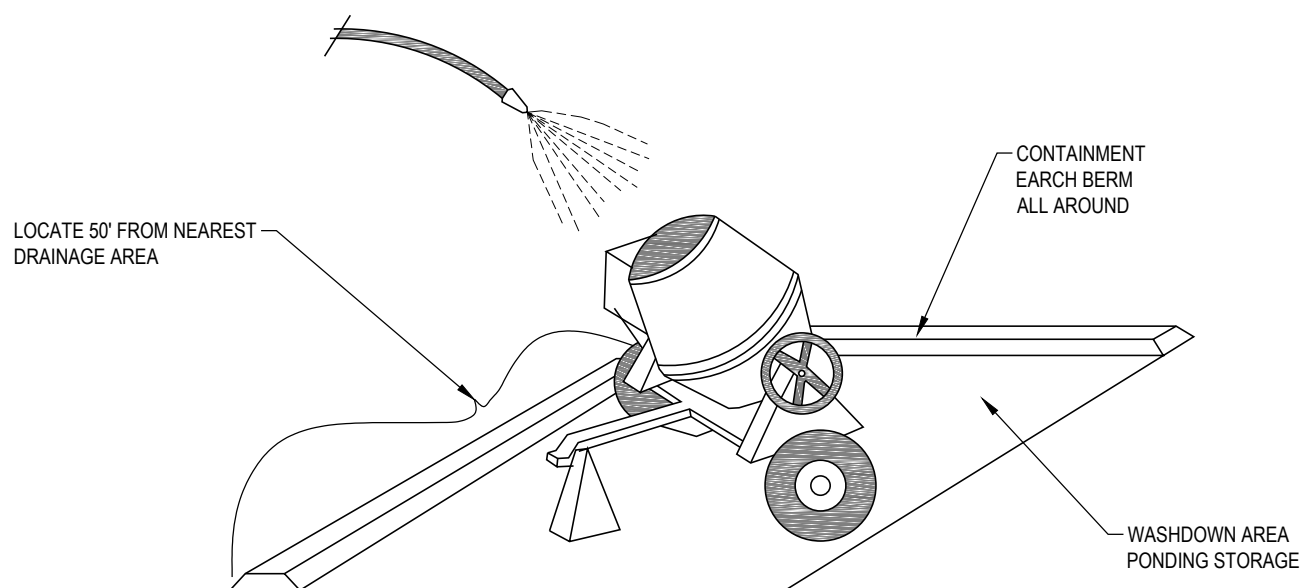


SEDIMENT BARRIER / FILTER SOCK PROTECTION

SCALE: N.T.S.

© REPLENISH

A1



DESCRIPTION:
PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

APPLICATIONS:

- THIS TECHNIQUE IS APPLICABLE TO ALL TYPES OF SITES.

INSTALLATION/APPLICATION CRITERIA:

- STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.
- AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
- PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS ONLY.
- DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED AREAS.
- WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER WITHIN A BERMED OR LEVEL AREA (SEE EARTH BERM BARRIER INFORMATION SHEET).
- TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.

LIMITATIONS:

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

MAINTENANCE:

- INSPECT SUBCONTRACTORS TENSURE THAT CONCRETE WASTES ARE BEING PROPERLY MANAGED.
- IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS.

- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
 - MINIMIZE DISTURBED AREA
 - STABILIZE DISTURBED AREA
 - PROTECT SLOPES/CHANNELS
 - CONTROL SITE PERIMETER
 - CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- NUTRIENTS
- TOXIC MATERIALS
- OIL & GREASE
- FLOATABLE MATERIALS
- OTHER WASTE

- HIGH IMPACT
- MEDIUM IMPACT
- LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

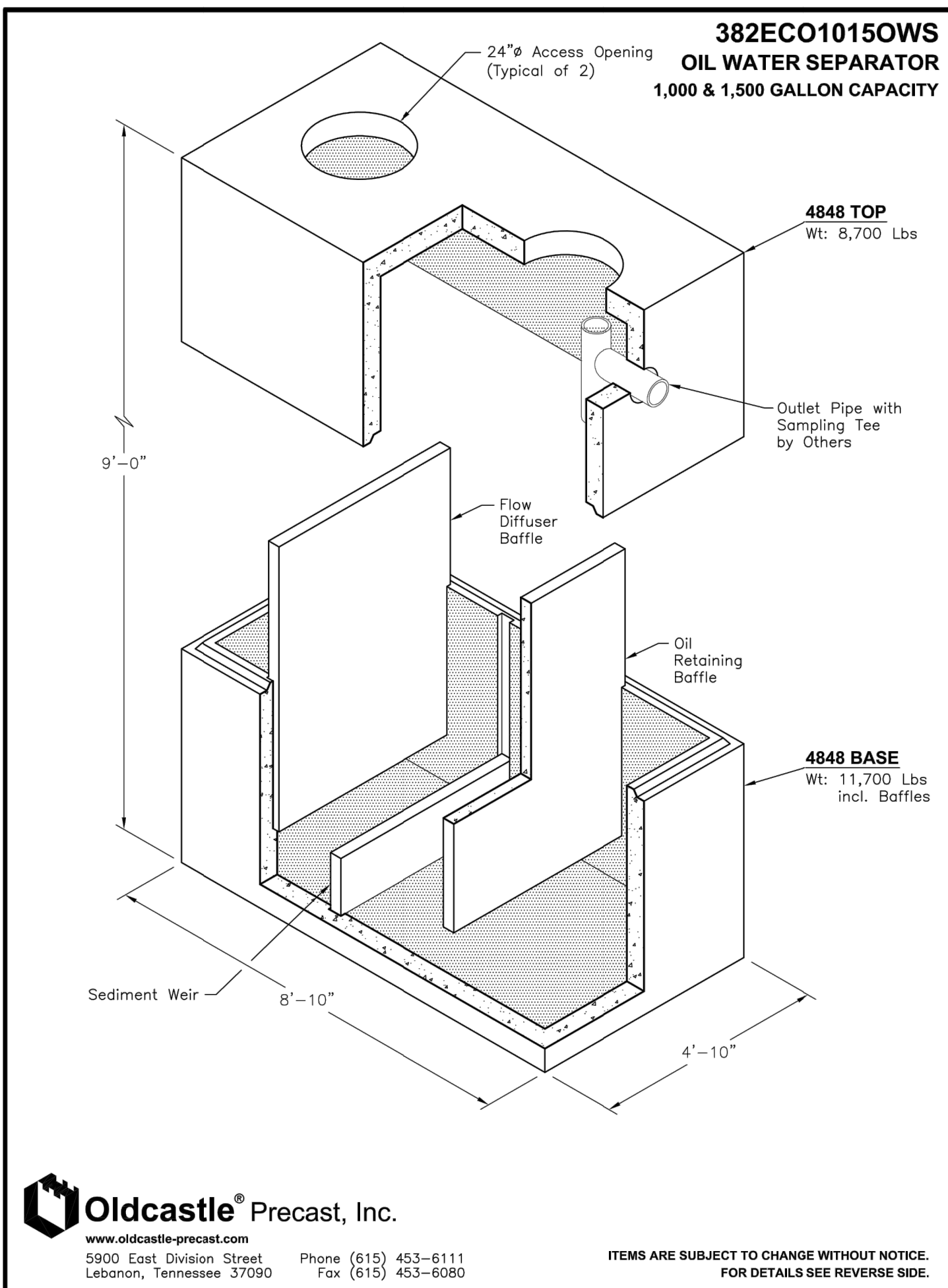
- CAPITAL COSTS
- O & M COSTS
- MAINTENANCE
- TRAINING

- HIGH
- MEDIUM
- LOW

CONCRETE WASTE MANAGEMENT

SCALE: N.T.S.

A3



Oldcastle® Precast, Inc.
www.oldcastle-precast.com
5900 East Division Street Phone (615) 453-6111
Lebanon, Tennessee 37090 Fax (615) 453-6080

ITEMS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
FOR DETAILS SEE REVERSE SIDE.

Issue: January 2008

STARBUCK

1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

REVISIONS

REV	DATE	DESCRIPTION

PROJECT NO: 20800

DRAWN BY: KLV

CHECKED BY: CHECKED BY

DATE: 4/08/2022

EROSION DETAILS

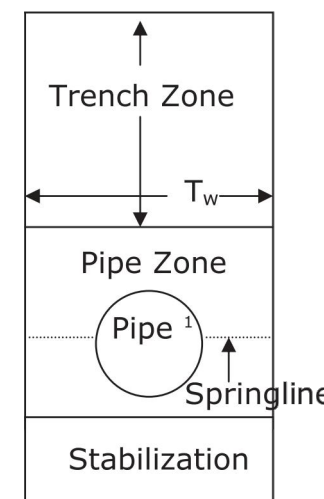
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Civil Engineering • Consulting & Landscape Architecture
Structural Engineering • Land Surveying & HDS

TO: All contractors doing work for SLCPU
FROM: Charles H. Call, Jr., P.E., Chief Engineer
DATE: January 14, 2010
SUBJECT: Trench Backfill Requirements (APWA Section 33 05 20)



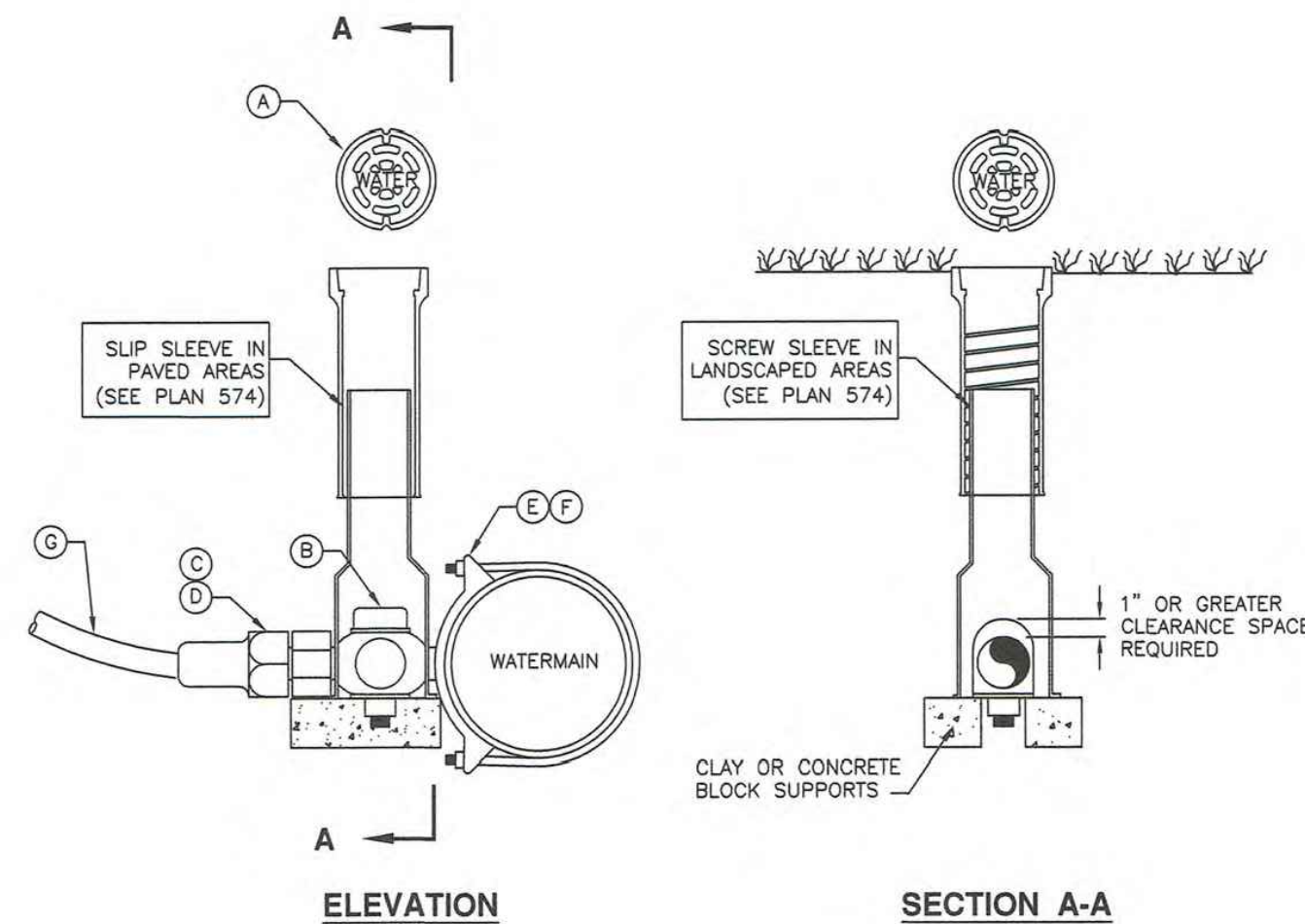
2-inch minus – Granular Backfill Borrow (APWA 31 05 13)
Notes: Material must be free of slag or recycled asphalt.
Material can be 2-inch minus pit run material.

Pipe Zone Material (12" above to 6" below the pipe)
Dry conditions – Grade ¾ UTBC (APWA 32 11 23) ²
Wet conditions - 2" minus sewer rock (APWA 31 05 13) ³
 Note: Material must be free of slag or recycled asphalt.

Stabilization Material (starts 6" below pipe)
2" minus sewer rock (APWA 31 05 13)
Note: Material must be free of slag or recycled asphalt

Pipe Material	Pipe Zone Material	Min. Pipe Zone Top Width (T _W)
PVC	3/4" minus well graded ²	T _W = OD + 24" ≥ 36"
HDPE-N12	3/4" minus well graded ⁵	T _W = OD + 24" ≥ 36"
DI	3/4" minus well graded ²	T _W = OD + 24" ≥ 36"
Concrete	3/4" minus well graded ²	T _W = OD + 24" ≥ 36"

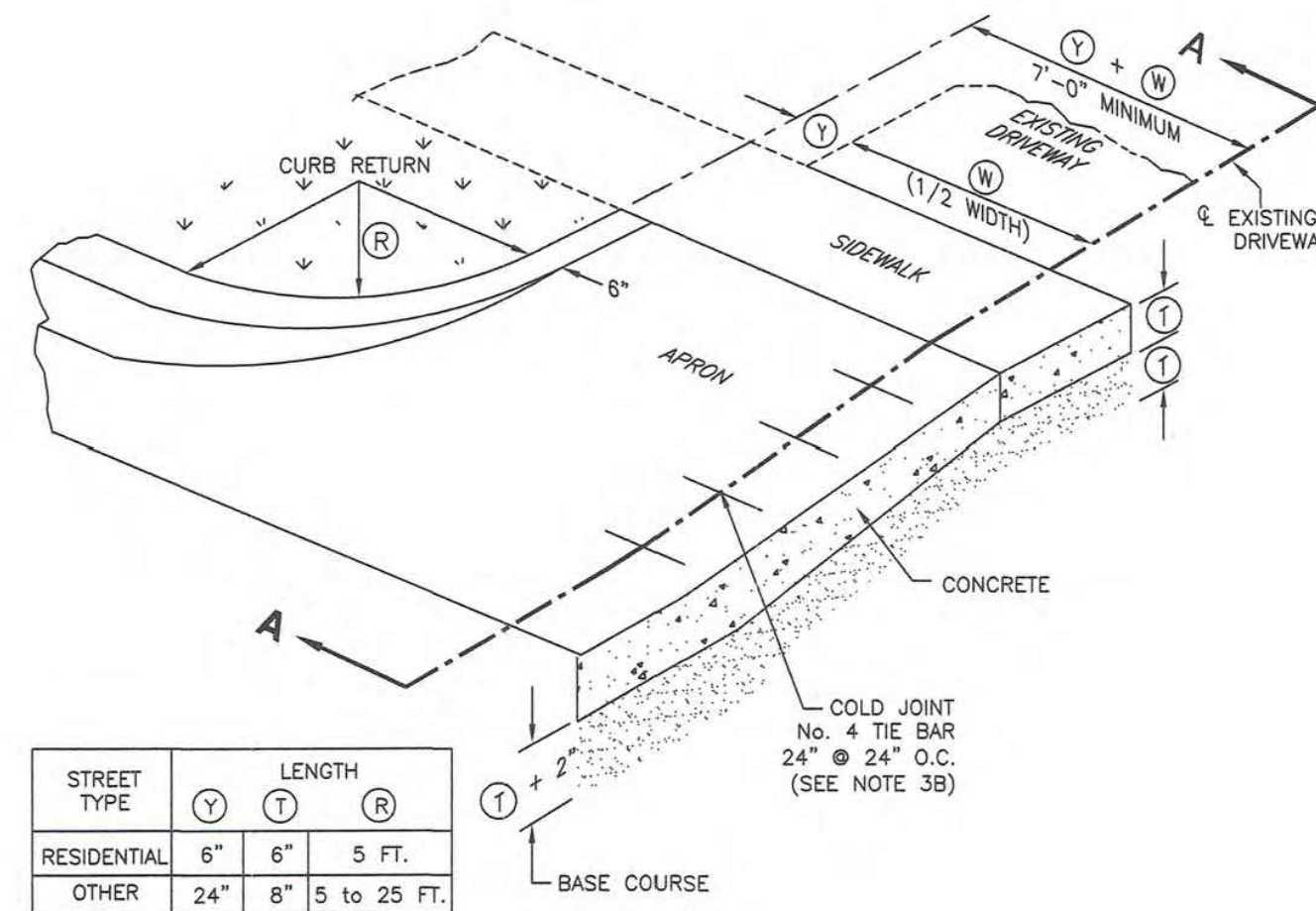
1. Center pipe in trench.
2. Variations must be approved in advance by Chief Engineer.
3. 2" minus sewer rock can be used in areas below water table when approved in advance by Chief Engineer.
4. Outside diameter of the pipe.
5. 2" minus material not permitted with PVC or HDPE pipe.



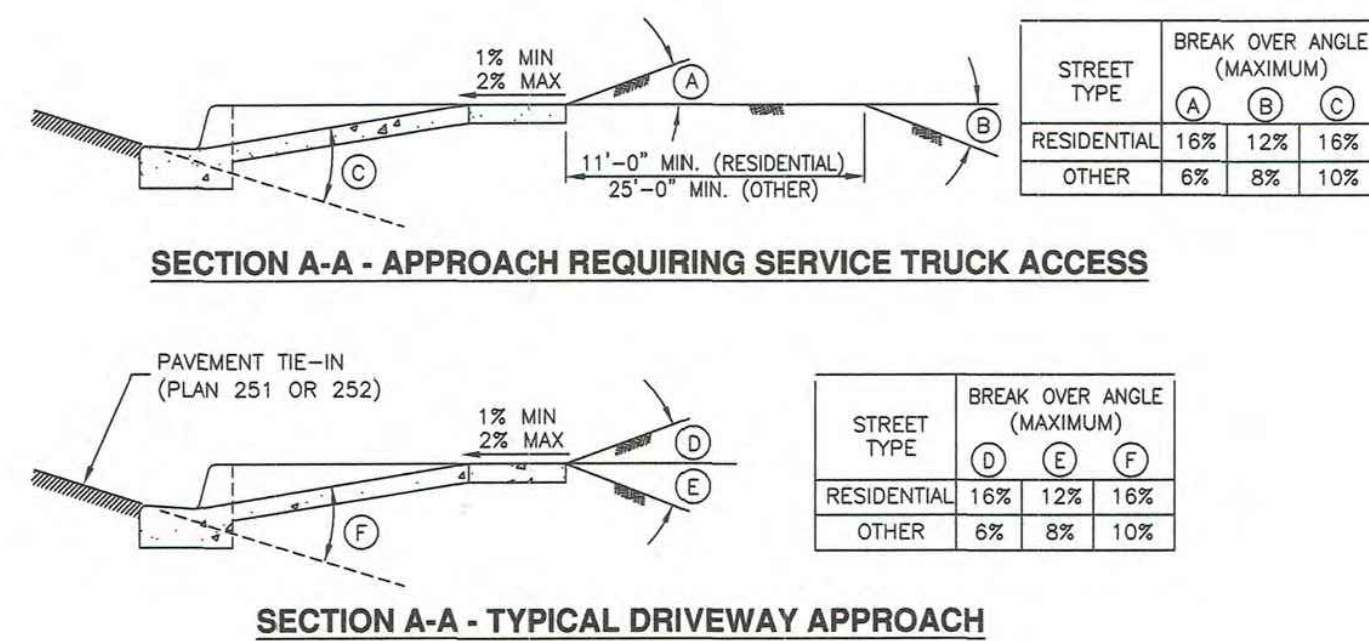
LEGEND			
No.	*	ITEM	DESCRIPTION
(A)		VALVE BOX WITH LID	2 PIECE CAST IRON
(B)		CORPORATION STOP	BRASS
(C)		COPPER ADAPTER	
(D)		FLARE OR PACK JOINT COPPER ADAPTER	
(E)		SERVICE SADDLE CLAMP	D.I., A.C., C.I.
(F)		SERVICE SADDLE CLAMP	P.V.C.
(G)		COPPER PIPE (SERVICE LINE)	TYPE K (SOFT)

* FURNISHED BY UTILITY AGENCY

AMERICAN PUBLIC WORKS ASSOCIATION
APWA
Utah Chapter

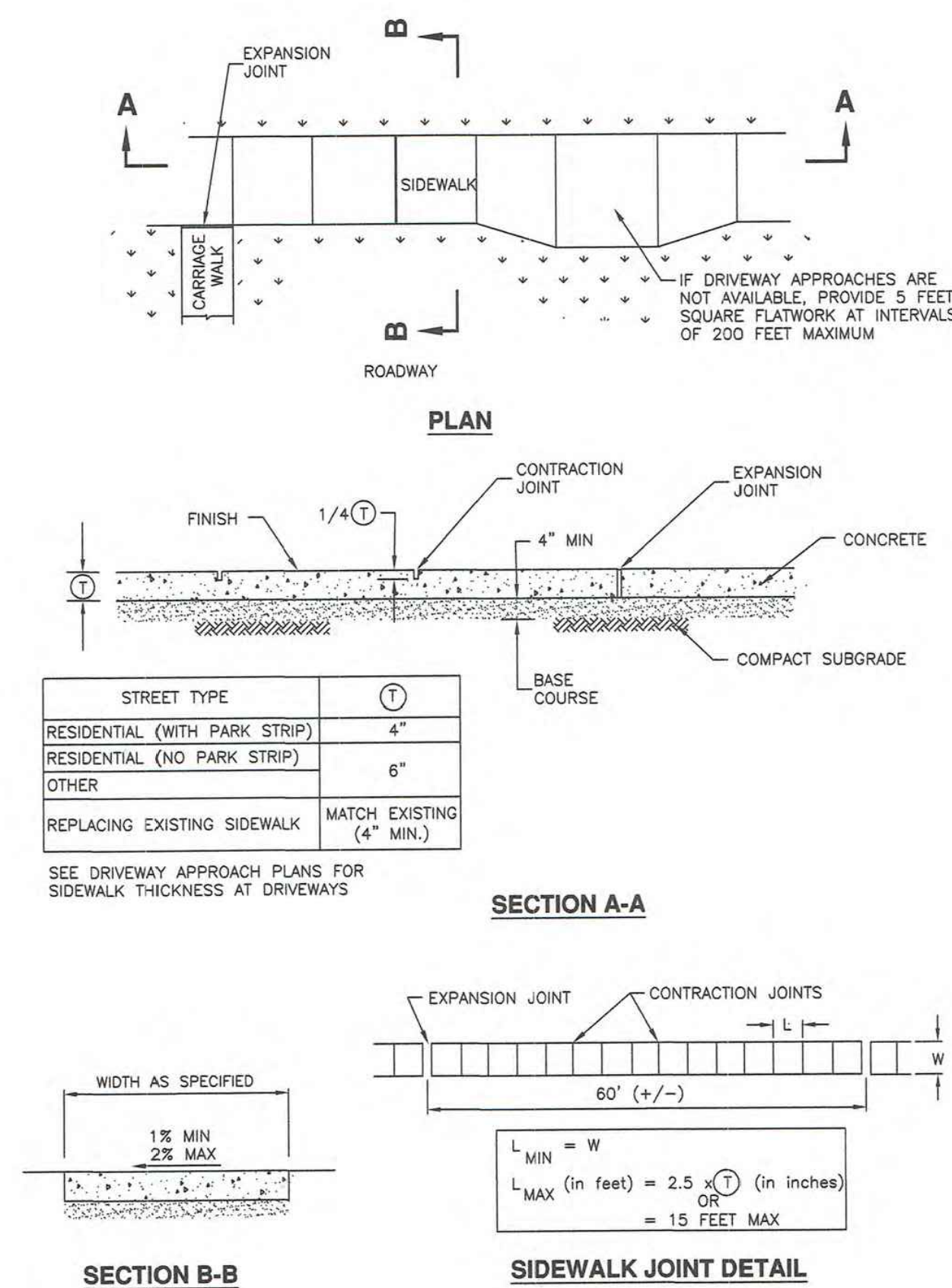
Plan
552
August 2001

SECTION A-A - APPROACH REQUIRING SERVICE TRUCK ACCESS

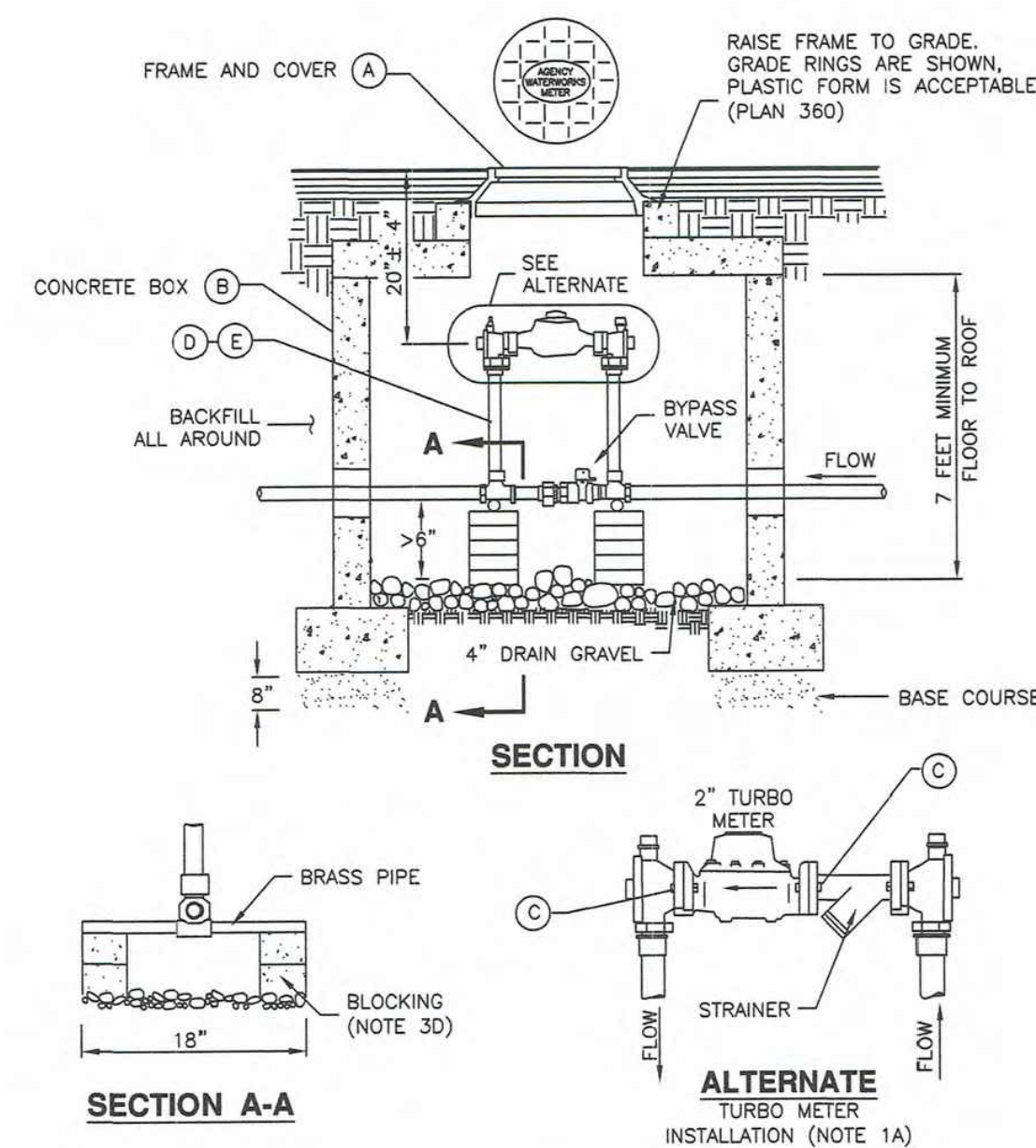


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225
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231
March 2009

LEGEND			
No.	*	ITEM	DESCRIPTION
(A)		27" FRAME AND COVER	PLAN 502
(B)		CONCRETE BOX	PLAN 505
(C)		STAINLESS STEEL METER BOLTS	5/8" x 2 3/4" BRASS
(D)		1 1/2" CUSTOM SETTER WITH BYPASS	
(E)		2" CUSTOM SETTER WITH BYPASS	

* FURNISHED BY UTILITY AGENCY

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1699 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 34

[illegible]

PROJECT NO: 20800

DRAWN BY: K LW

CHECKED BY: CHECKED

DATE: 4/08/2022

CIVIL DETAILS

C5.03