

ADDENDUM

Notice to Bidders: This form, Addendum, Section 00900, is included for your information only. If an actual Addendum is issued for this project, the format shown below will be used. Additionally, issued addenda will be bound at the beginning of the Project Manual following the Table of Contents at the time of contract execution.

ADDENDUM NO. 1

Date August 24th 2020

City of Austin

Project Name Dalton Lane Site Utilities and Service Center Improvements

C.I.P. No. 6016.018 IFB No.: CLMC798

This Addendum forms a part of the Contract and corrects or modifies original Bid Documents, dated February 14, 2020 (first advertisement date). **Acknowledge receipt of this addendum in space provided on bid form.** Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

Volume 3 of 3; CITY CODE CHAPTER 2-9A CONSTRUCTION MBE/WBE PROCUREMENT PROGRAM. Add Appendix D Availability List

B. Drawing Revisions:

Reissue the following sheets:

A000 COVER
A001 SYMBOLS, ABBREVIATIONS & CODE SUMMARY
C001 SITE NOTES
C010 EXISTING CONDITIONS
C101 CIVIL SITE PLAN
C191 CIVIL CONSTRUCTION DETAILS
C192 CIVIL CONSTRUCTION DETAILS
C193 CIVIL CONSTRUCTION DETAILS
C194 CIVIL CONSTRUCTION DETAILS
C195 CIVIL CONSTRUCTION DETAILS
C231 EROSION/SEDIMENTATION CONTROL PLAN
C291 EROSION/SEDIMENTATION CONTROL PLAN DETAILS
C301 UTILITY PLAN
C302 STORM DRAIN PLAN & PROFILE SDL-A BEGIN - END
C303 STORM DRAIN STANDARD DETAILS
C304 STORM DRAIN STANDARD DETAILS
C311 AUSTIN WATER GENERAL NOTES
C501 GRADING AND DIMENSIONAL CONTROL PLAN
A002 ARCHITECTURAL SITE PLAN
A100 COVERED MATERIAL STORAGE PLANS
A101 TRUCK COVERED PARKING STRUCTURE PLAN AND ELEVATIONS - ALTERNATE 01
A103 ROOF PLANS
A401 TRUCK COVERED PARKING STRUCTURE DETAILS

S000 STRUCTURAL NOTES
S001 SPECIAL INSPECTIONS
S101 PEMB FOUNDATION PLAN - TRUCK COVERED PARKING - ALTERNATE 01
S102 PEMB FOUNDATION PLAN - COVERED MATERIALS STORAGE
S300 TYPICAL CONCRETE DETAILS
S301 TYPICAL CONCRETE DETAILS
E000 ELECTRICAL GENERAL NOTES
E051 ELECTRICAL SITE PLAN
E100 ELECTRICAL POWER PLAN - TRUCK COVERED PARKING & MATERIALS STORAGE
E101 ENLARGED POWR PLAN - EQUIPMENT RACK
E400 ELECTRICAL SCHEDULES
E500 ELECTRICAL DETAILS

This addendum consists of 69 page(s)/sheet(s).

Approved by OWNER



08.24.2020

Approved by ENGINEER/ARCHITECT (as applicable per license requirements)

END

City of Austin Subcontract Vendor List - VCRCVS

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

Version No.: 1

Phase: 1

C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
Vendors Within the SLBP Area					
28556 Lighting Fixtures, Outdoor: Floodlights, Spotlight					
	V00000921132 BULLCHASE, INC. 201 S Lakeline Blvd. Suite 503 Cedar Park Tx 78613	MARIANNE GALEA marianne@bullchase.com 5127505786 Fax: 8885312929	WDB	F/Caucasian	AU
	V00000919050 Demand Lighting USA Inc 1321 Rutherford Lane Suit 150 Austin Tx 78753	Matthew Rubino mrubino@demandlight.com 5127840242	WB	F/Caucasian	AU
	V00000930006 GOVERNMENT INTERIOR SOLUTIONS INC 1301 S Capital Of Tx Hwy Suite B-125 Austin Tx 78746	NICK RUSSELL nick@pdngroup.com 5127669050 Fax: 5018013743	MDB	M/Native American	AU
	VS0000035647 KLP Commercial, L.L.C. 18013 Vorwerk Rd Manor Tx 78681	Nathali Parker np@klpcommercial.com 512-571-0477 Fax: 5122554032	MWDB	F/Native American	SL
	LTH8305274 LTH ENTERPRISES LTD 19025 Littig Rd Elgin Tx 78621-4149	JUANITA VALARIE NEIDIG vneidig.lth@gmail.com 512-281-9579 Fax: 512-281-5541	MWDB	F/Hispanic	SL
	V00000937718 Mauricio Riesco 1403 Blakeney Ln Austin Tx 78753	Mauricio Riesco sales@mriesco.com 5127921364	MB	M/Hispanic	AU
	V00000951579 Neptune Supply 2913 Hunter Road San Marcos Tx 78666	Kris Bittick kris@neptunesupply.net 9728226888	WDB	F/Caucasian	SL
	HUR7051205 P D MORRISON ENTERPRISES INC 1120 Toro Grande Blvd. Bldg 2#208 Cedar Park Tx 78613-6973	Tom Suhy mro@pdme.com 512-335-7173 Fax: 512-219-0901	MB	M/African American	AU
	V00000963168 Umoja Lighting, LLC 402 Pheasant Ridge Round Rock Tx 78665	Robert Jackson robjackson@umojalighting.com 5127437571	MDB	M/African American	AU

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	V00000953346 Xyples LLC 2021 Guadalupe St Suite 260 Austin Tx 78705	Tochukwu Okonkwor tokonkwor@xyples.com 4044888811	MDB	M/African American	AU
33013 Fencing, Chain Link (Including Fabric, Gates, Pane					
	V00000955636 COE Concepts 4408 Hwy 183 S Austin Tx 78739	regina a Esteves rae2018.coe@gmail.com 5124686395 Fax: 5123940293	MWB	F/Hispanic	AU
	V00000924432 Eagle Pride Supply LLC 13900 Ih 35 Suite D1 Austin Tx 78727	Patrick Myers pmyers@eaglepridesupply.com 5128130634	MDB	M/African American	AU
	VS0000035647 KLP Commercial, L.L.C. 18013 Vorwerk Rd Manor Tx 78681	Nathali Parker np@klpcommercial.com 512-571-0477 Fax: 5122554032	MWDB	F/Native American	SL
	V00000935461 Mario Vasquez 3580 Rocking J Rd. Suite 200 Round Rock Tx 78665	Mario Vasquez info@swiftcorp.tx.com 5124707575	MDB	M/Hispanic	AU
	ROA7009475 ROADWAY SPECIALTIES INC Po Box 90309 Austin Tx 78709-0309	Danette Shelton danette@roadwayspecialties.com 5122806666 Fax: 5122806066	WDB	F/Caucasian	AU
	ALL8314335 TONY PARENT ENTERPRISES 13350 Old Kimbro Rd, Bldg A Manor Tx 78653	TONY PARENT estimating@alliedfence1950.com 512-255-5416 Fax: 512-255-7096	MB	M/Hispanic	AU
	V00000922275 WaterFilled Barrier Systems International, Inc. 195 Stockade Ranch Rd., B Paige Tx 78659	Jennifer McKeon jennifer@wbsintl.com 8449274685 700 Fax: 5127278620	WDB	F/Caucasian	SL
3301349 GATE PARTS AND COMPONENTS, CHAIN LINK (MISC.)					
	V00000935461 Mario Vasquez 3580 Rocking J Rd. Suite 200 Round Rock Tx 78665	Mario Vasquez info@swiftcorp.tx.com 5124707575	MDB	M/Hispanic	AU

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	ALL8314335 TONY PARENT ENTERPRISES 13350 Old Kimbro Rd, Bldg A Manor Tx 78653	TONY PARENT estimating@alliedfence1950.com 512-255-5416 Fax: 512-255-7096	MB	M/Hispanic	AU
57021 Decking, Steel	V00000904636 Cody Builders Supply, Inc. 12002 N Lamar Blvd Austin Tx 78753	Pam Patterson metals@codybuilderssupply.com 512-339-9834 Fax: 5123390165	WDB	F/Caucasian	AU
57076 Steel, Reinforcing, Bars and Rods	VS0000031989 Jeff T Ellison Po Box 3605 Pflugerville Tx 78691	Jeff Ellison jtecollc@gmail.com 512-934-1905 Fax: 5129909850	MB	M/African American	SL
	V00000953053 National Reinforcement Steel LLC 1645 Main St. Suite A Buda Tx 78610	Rick Gallo rgallo@national-rebar.com 5129250948	MWDB	F/Hispanic	SL
65860 Pipe, PVC (Polyvinyl Chloride)	V00000917830 Earthco Landscape Construction LLC 4500 Williams Dr. Suite 212-108 Georgetown Tx 78633	Heath Williamson earthcolc@aol.com 5128187015 Fax: 5129438333	MDB	M/African American	SL
	V00000911081 Get It Clean, Inc 3736 Bee Caves Rd Ste 1-215 Austin Tx 78746	Maneesha Jones maneesha@itgetitclean.com 512-732-2420	MWB	F/Native American	AU
	VS0000031989 Jeff T Ellison Po Box 3605 Pflugerville Tx 78691	Jeff Ellison jtecollc@gmail.com 512-934-1905 Fax: 5129909850	MB	M/African American	SL
	V00000902341 Louis Paul Podraza 8400 Daleview Drivea Austin Tx 78757	Louis Paul Podraza podjcash@gmail.com 512-917-9822 Fax: 5124501884	MB	M/Hispanic	AU
	MAR8301130 MARS INDUSTRIES L L C Po Box 560 Cedar Creek Tx 78612-0560	ALVINO ROSALES AROS3B@SWBELL.NET 512-303-4413 Fax: 512-321-1199	MB	M/Hispanic	SL

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	UNI7027985 UNISM DEVELOPMENT CO INC Po Box 14145 Austin Tx 78761-4145	BEN WARMATE unism@sbcglobal.net 512-255-3726 Fax: 512-255-1451	MB	M/African American	AU
89030 Manholes, and Manhole Covers, Frames, Grates, Ring					
	V00000911081 Get It Clean, Inc 3736 Bee Caves Rd Ste 1-215 Austin Tx 78746	Maneesha Jones maneesha@itgetitclean.com 512-732-2420	MWB	F/Native American	AU
	VS0000031989 Jeff T Ellison Po Box 3605 Pflugerville Tx 78691	Jeff Ellison jtecollc@gmail.com 512-934-1905 Fax: 5129909850	MB	M/African American	SL
	VS0000035647 KLP Commercial, L.L.C. 18013 Vorwerk Rd Manor Tx 78681	Nathali Parker np@klpcommercial.com 512-571-0477 Fax: 5122554032	MWDB	F/Native American	SL
	MAR8301130 MARS INDUSTRIES L L C Po Box 560 Cedar Creek Tx 78612-0560	ALVINO ROSALES AROS3B@SWBELL.NET 512-303-4413 Fax: 512-321-1199	MB	M/Hispanic	SL
90976 Site Work					
	ASD7048240 ASD CONSULTANTS INC 8120 N Ih 35 Austin Tx 78753	CURTIS BROWN curtis2aia@aol.com 512-836-3329 Fax: 512-836-3802	MDB	M/African American	AU
	V00000900503 Alpha Paving Industries LLC Po Box 6565 Round Rock Tx 78683	Andrew Kim andrew@alphapavingtexas.com 512-677-9001 Fax: 5126779002	MDB	M/Asian	SL
	V00000959209 Blue Ridge LLC 1801 E 51st St, Ste 365 #334 Austin Tx 78723	Jesal Desai blueridgellc08@gmail.com 5126507888	MWDB	F/Asian	AU
	CGE8308640 CGE INC 4408 Hwy. 183 S. Austin Tx 78702	CARLOS ESTEVES cgecarlos@austin.rr.com 512-301-9652 Fax: 512-394-0293	MB	M/Hispanic	AU
	VS0000028230 CVI Development, LLC. 1801 Lavaca 2-J Austin Tx 78701	Karl Daniels KarlDaniels.mac@me.com 512-944-0280 Fax: 512-597-2767	MDB	M/African American	AU

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	VS0000022301 CX2 Construction, Inc. 19507 Fm 150 W Driftwood Tx 78619	Stephanie Conner stephaniec2@gmail.com 512-858-9203 Fax: 512-858-5608	WDB	F/Caucasian	SL
	V00000922353 D&S Texas Icon Construction, LLC 5930 Heron Dr Buda Tx 78610	Channing Santiago ds_txiconconstruction@yahoo.com 9564601290 Fax: 5123835639	MDB	M/Hispanic	SL
	V00000917830 Earthco Landscape Construction LLC 4500 Williams Dr. Suite 212-108 Georgetown Tx 78633	Heath Williamson earthcolc@aol.com 5128187015 Fax: 5129438333	MDB	M/African American	SL
	V00000955922 Eischen's General Contracting, LLC 1101 Ridgecrest Drive Austin Tx 78746	Ava Sharifian ava@avasharifian.com 5124450128	WDB	F/Caucasian	AU
	V00000957683 Enrique Alonzo 121 Spring Branch Loop Kyle Tx 78640	Enrique Alonzo ealonzo2524@outlook.com 7738586634	MDB	M/Hispanic	SL
	V00000948374 Evander Home Solutions LLC 401 Congress Ave. Suite#1540 Austin Tx 78701	Fernando Rico fernando@evander.org 2102559130	MDB	M/Hispanic	AU
	V00000917285 Heavy Roadway Construction Services, LLC 1305 Terrace Viewdr Cedarpark Tx 78613	Mario c Alcantara mario@heavyroadway.com 512-922-0507	MDB	M/Hispanic	AU
	V00000951403 Helen N Alexander P.O. Box 7422 Round Rock Tx 78683	Helen Nadine Alexander n.alexander@infinitycleaningpros.com 5126196673 Fax: 5122461099	MWDB	F/African American	SL
	VC0000102806 J TWO SONS CONCRETE CONTRACTORS LLC 2823 Hwy 21 W Dale Tx 78616	Jesus Gonzalez jtwosonsconcrete@gmail.com 512-563-0785	MB	M/Hispanic	SL
	JOH2629800 Johnson Hauling, LLC 1805 Elmira Austin Tx 78721	ULYSSES JOHNSON johnsonhauling@hpeprint.com 512-928-1060 Fax: 512-926-4180	MB	M/African American	AU
	V00000948360 Landmark Consulting Group, LLC 3201 Murrelet Way Pflugerville Tx 78660	NaShawn Guevara sguevara@landmarkstructural.com 2542452358	MB	F/Hispanic	AU

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V00000938474 MAS Road & Utilities, Inc. 15308 Ginger Street Austin Tx 78728		Kylie Smith masroadandutilities@gmail.com 5126804310	WB	F/Caucasian	AU
MUN7143465 MUNIZ CONCRETE & CONTRACTING INC Po Box 6596 Austin Tx 78762		JOSE MUNIZ rudymunizcontracting.com 512-385-2334 Fax: 512-389-1446	MDB	M/Hispanic	AU
PIA8322157 PIATRA INC Po Box 9593 Austin Tx 78766-9593		MIRELA GLASS INFO@PIATRAINC.COM 512-299-0404	WDB	F/Caucasian	AU
VS0000024973 Prota, Inc. P.O. Box 342195 Austin Tx 78734		Michelle Borg info@protaconstruction.com 512-535-2555 Fax: 5125355441	MWB	F/Hispanic	AU
V00000922250 Rucoba & Maya Construction, LLC 35 Flint Rd Kyle Tx 78640		Florencio Maya florencio@rmconstructiongroup.com 5128707904	MDB	M/Hispanic	SL
SAN8316404 SANTA CLARA CONSTRUCTION LTD 9811 Anderson Mill Road, Ste 201 Austin Tx 78750		Mike Heyl mike.hey@sccaustin.com 512-250-8310 Fax: 512-250-8371	MB	M/Hispanic	AU
V00000964266 Stacey M Woodson 3301 Skylark Drive Austin Tx 78757		Stacey M Woodson stacey@smwdesignbuild.com 5124311787	WDB	F/Caucasian	AU
VS0000006907 TRINI CONSTRUCTION BUILDER LLC Po Box 81431 Austin Tx 78708		Reginald Worlds info@triniconstructionbuilder.com 512-282-2262 Fax: 512-535-7962	MDB	M/African American	AU
V00000933389 Texas Geo Bore Drilling LLC P.O. Box 6253 Round Rock Tx 78665		Rachel Marie Garcia rachelgarcia22@yahoo.com 5129980035 Fax: 5123693275	MDB	M/Hispanic	AU
VS0000004060 UNITY CONTRACTOR SERVICES, INC 6448 Hwy 290 East Ste F-113 Austin Tx 78723		Patrick Carter lenzyucs@swbell.net 512-926-8065	MDB	M/African American	AU
V00000919925 Underground Water Solutions Co. Po Box 1355 Elgin Tx 78621		Zoila Portillo zoila@uwscsco.net 5122789333 Fax: 5122789133	MDB	F/Hispanic	SL

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	V00000911146 XEVEX CONSTRUCTION LLC Po Box 681 Buda Tx 78610	BENJAMIN GONZALEZ info@xevevllc.com 512-312-4214 Fax: 5123124637	MDB	M/Hispanic	SL
	V00000909501 ZLynx Enterprise, Inc 6448 Highway 290 East, Suite E107 Austin Tx 78723	Clarence Williams clarence_williams@reliefenterprise.org 512-451-8828 203 Fax: 5124518758	MDB	M/African American	AU
91027 Garbage/Trash Removal and Disposal					
	V00000963608 Cave Trucking, LLC Po Box 526 Pflugerville Tx 78615	Oliver Cueva oliver@cavetrucking.com 5123549084	MDB	M/Hispanic	SL
	JAH8306645 JAHMOR JANITORIAL SERVICES 15801 Rustic Ln Austin Tx 78717-5467	DERRICK SMITH ATLAS06@SBCGLOBAL.NET 512-310-9575 Fax: 512-310-8093	MDB	M/African American	AU
	V00000938701 Kredo Commercial Services LLC 7012 Via Dono Drive Austin Tx 78749	Jonah Gomez jonah.gomez@kredoservices.com 5128094461	MB	M/Hispanic	AU
	VS0000019303 SIMPLY KLEAN LLC Po Box 200522 Austin Tx 78727	Mario Bennett mario@simplyklean.us 8009910971 Fax: 8009910971	MDB	M/African American	AU
91071 Shoring and Reinforcement Services					
	VS0000028230 CVI Development, LLC. 1801 Lavaca 2-J Austin Tx 78701	Karl Daniels KarlDaniels.mac@me.com 512-944-0280 Fax: 512-597-2767	MDB	M/African American	AU
9122319 BOX CULVERTS, CONCRETE. THIS WORK SHALL CONSIST OF					
	VS0000017696 AUSTIN CONSTRUCTORS LLC Po Box 18595 Austin Tx 78760	Jenny M Rodriguez jenny@austinconstructors.com 5123888690	MWDB	F/Hispanic	AU
	AUS8321418 AUSTIN UNDERGROUND INC Po Box 5650 Lago Vista Tx 78645-5650	RICK VAVRO rick@austin-underground.COM 512-535-3285 Fax: 512-535-3286	MDB	M/Hispanic	SL

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	V00000918492 Austin Formula Utilities LLC. 3701 Hobbs Cove Austin Tx 78749	Juan Benitez Sr. austinformulautilities@gmail.com 512-828-7521 Fax: 5122983709	MDB	M/Hispanic	AU
	V00000919820 Casto Lopez Concrete LLC 1955 Fm 2001 Suite 200 Buda Tx 78610	Venancio Lopez info@castolopezconcretellc.com 5125238295	MB	M/Hispanic	SL
	VS0000033889 ELROY SMITH 471 Emerald Fields Ln Kyle Tx 78640	Elroy Smith smitco.concrete@yahoo.com 5129459674 Fax: 5129266838	MDB	M/African American	SL
	FAC8317993 FACILITIES REHABILITATION INC 9120 S Fm 973 Austin Tx 78719	Annette Ramirez annette@facrehab.com 512-352-6035 Fax: 512-352-6036	MB	M/Hispanic	AU
	VC0000102940 GARCIA J CONTRACTORS INC Po Box 1649 Buda Tx 78610	Juan Garcia garciajcontractors@gmail.com 5129654274 Fax: 8884181023	MDB	M/Hispanic	SL
	VC0000102806 J TWO SONS CONCRETE CONTRACTORS LLC 2823 Hwy 21 W Dale Tx 78616	Jesus Gonzalez jtwosonsconcrete@gmail.com 512-563-0785	MB	M/Hispanic	SL
	V00000962844 JL3 Construction Services, LLC 100 Tonkawa Ridge Hutto Tx 78634	Jaime Lopez jj@jl3texas.com 5129213865	MDB	M/Hispanic	SL
	V00000906806 JOSE MENDEZ 2101 S. lh 35 Suite # 202 Austin Tx 78741	JOSE MENDEZ ramsroadboring@aol.com 512-804-5802 Fax: 5128045803	MB	M/Hispanic	AU
	MAR8301130 MARS INDUSTRIES L L C Po Box 560 Cedar Creek Tx 78612-0560	ALVINO ROSALES AROS3B@SWBELL.NET 512-303-4413 Fax: 512-321-1199	MB	M/Hispanic	SL
	MUN7143465 MUNIZ CONCRETE & CONTRACTING INC Po Box 6596 Austin Tx 78762	JOSE MUNIZ rudy@munizcontracting.com 512-385-2334 Fax: 512-389-1446	MDB	M/Hispanic	AU
	VS0000021028 Masonry Plus LLC P.O. Box 42123 Austin Tx 78704	Gilbert Jimenez giljimenez@masonryplusllc.com 512-914-7766	MB	M/Hispanic	AU

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	V00000960818 Nahum Severino-Mondragon 105 Yucatan Dr Del Valle Tx 78617	Nahum Mondragon Severino starconcretetexas@gmail.com 5122870554	MDB	M/Hispanic	AU
	V00000922250 Rucoba & Maya Construction, LLC 35 Flint Rd Kyle Tx 78640	Florencio Maya florencio@rmconstructiongroup.com 5128707904	MDB	M/Hispanic	SL
	V00000919925 Underground Water Solutions Co. Po Box 1355 Elgin Tx 78621	Zoila Portillo zoila@uwsco.net 5122789333 Fax: 5122789133	MDB	F/Hispanic	SL
	V00000911146 XEVEEX CONSTRUCTION LLC Po Box 681 Buda Tx 78610	BENJAMIN GONZALEZ info@xeveexllc.com 512-312-4214 Fax: 5123124637	MDB	M/Hispanic	SL
9122376 STRUCTURES, STEEL (FURNISH, FABRICATE, TRANSPORT, ERECT)					
	FIV7110915 5 STAR FABRICATIONS INC 18794 Fm 1431 Jonestown Tx 78645-9666	GARY OR MELINA FIVEASH sales@5starfabrications.com 512-267-0470 Fax: 512-267-0471	MDB	F/Asian	SL
	VS0000028230 CVI Development, LLC. 1801 Lavaca 2-J Austin Tx 78701	Karl Daniels KarlDaniels.mac@me.com 512-944-0280 Fax: 512-597-2767	MDB	M/African American	AU
	V00000904636 Cody Builders Supply, Inc. 12002 N Lamar Blvd Austin Tx 78753	Pam Patterson metals@codybuilderssupply.com 512-339-9834 Fax: 5123390165	WDB	F/Caucasian	AU
	VC0000102940 GARCIA J CONTRACTORS INC Po Box 1649 Buda Tx 78610	Juan Garcia garciajcontractors@gmail.com 5129654274 Fax: 8884181023	MDB	M/Hispanic	SL
	PIA8322157 PIATRA INC Po Box 9593 Austin Tx 78766-9593	MIRELA GLASS INFO@PIATRINC.COM 512-299-0404	WDB	F/Caucasian	AU
	V00000905765 The Salinas Group, LLC 4118 Todd Lane Austin Tx 78744	Sal Salinas sal78704@yahoo.com 512-619-6696 Fax: 5126196696	MDB	M/Hispanic	AU

91347 Construction, Sidewalk and Driveway (incl Handicapped ramps)

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V00000927571 APV CONSTRUCTION AND REMODELING LLC 1008 York Castle Dr Pflugerville Tx 78660		ABEL PEREZ perezconstructionandremodel@gmail.com 5128100304	MDB	M/Hispanic	AU
ASD7048240 ASD CONSULTANTS INC 8120 N Ih 35 Austin Tx 78753		CURTIS BROWN curtis2aia@aol.com 512-836-3329 Fax: 512-836-3802	MDB	M/African American	AU
VS0000017696 AUSTIN CONSTRUCTORS LLC Po Box 18595 Austin Tx 78760		Jenny M Rodriguez jenny@austinconstructors.com 5123888690	MWDB	F/Hispanic	AU
AUS8321418 AUSTIN UNDERGROUND INC Po Box 5650 Lago Vista Tx 78645-5650		RICK VAVRO rick@austin-underground.COM 512-535-3285 Fax: 512-535-3286	MDB	M/Hispanic	SL
V00000900503 Alpha Paving Industries LLC Po Box 6565 Round Rock Tx 78683		Andrew Kim andrew@alphapavingtexas.com 512-677-9001 Fax: 5126779002	MDB	M/Asian	SL
V00000934987 Atx JG Concrete Solution LLC Po Box 983 Manor Tx 78653		Jorge Gomez atxconcretesolutions@gmail.com 5129090881 Fax: 5123587194	MWDB	M/Hispanic	AU
V00000918492 Austin Formula Utilities LLC. 3701 Hobbs Cove Austin Tx 78749		Juan Benitez Sr. austinformulautilities@gmail.com 512-828-7521 Fax: 5122983709	MDB	M/Hispanic	AU
CED7142775 CEDA-TEX SVCS INC 500 Brushy Creek Road, Suite 306 Cedar Park Tx 78613		FRED ODANGA contact@cedatex.com 512-339-0155 Fax: 5123392829	MDB	M/African American	AU
V00000920808 CL Concrete Construction Corporation Po Box 971 Taylor Tx 76574		Annette Espinoza Ramirez annette@clconcreteconstructioncorp.com 8179170542 Fax: 5123580718	MWB	F/Hispanic	SL
V00000919820 Casto Lopez Concrete LLC 1955 Fm 2001 Suite 200 Buda Tx 78610		Venancio Lopez info@castolopezconcretelc.com 5125238295	MB	M/Hispanic	SL
V00000932848 Corza Construction LLC 11233 Kirkland Hill Path Austin Tx 78754		JuanCarlos Garza juancarlos@corzaconstruction.com 8307036846 Fax: 8007036846	MDB	M/Hispanic	AU

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C Code & Description	Vend Code/Adr	Contact Information	W/M/B Code	G/E	LCTN
	V00000922353 D&S Texas Icon Construction, LLC 5930 Heron Dr Buda Tx 78610	Channing Santiago ds_txiconconstruction@yahoo.com 9564601290 Fax: 5123835639	MDB	M/Hispanic	SL
	V00000906584 DAVID DELA CERDA 2302 Southwood Hills Dr Taylor Tx 76574	david dela cerda dlc.laguna@yahoo.com 512-496-0864 1 Fax: 5123651231	MDB	M/Hispanic	SL
	VC0000102940 GARCIA J CONTRACTORS INC Po Box 1649 Buda Tx 78610	Juan Garcia garciajcontractors@gmail.com 5129654274 Fax: 8884181023	MDB	M/Hispanic	SL
	VS0000008581 GLOBAL ENGINEERS INC 4219 Pebblestone Trl Round Rock Tx 78665-5027	Munir Khan munirmkhan@gmail.com 512-417-3172 Fax: 512-246-2212	MDB	M/Asian	AU
	VC0000102806 J TWO SONS CONCRETE CONTRACTORS LLC 2823 Hwy 21 W Dale Tx 78616	Jesus Gonzalez jtwosonsconcrete@gmail.com 512-563-0785	MB	M/Hispanic	SL
	VC0000101859 JB ASPHALT PAVING & GRADING LLC Po Box 92856 Austin Tx 78709	NORMA BRITO NORMA@JBASPHALTANDGRADING.COM 512-851-7202 Fax: 512-288-1560	MDB	M/Hispanic	AU
	V00000962844 JL3 Construction Services, LLC 100 Tonkawa Ridge Hutto Tx 78634	Jaime Lopez jj@jl3texas.com 5129213865	MDB	M/Hispanic	SL
	JOH2629800 Johnson Hauling, LLC 1805 Elmira Austin Tx 78721	ULYSSES JOHNSON johnsonhauling@hpeprint.com 512-928-1060 Fax: 512-926-4180	MB	M/African American	AU
	MAR8301130 MARS INDUSTRIES L L C Po Box 560 Cedar Creek Tx 78612-0560	ALVINO ROSALES AROS3B@SWBELL.NET 512-303-4413 Fax: 512-321-1199	MB	M/Hispanic	SL
	V00000938474 MAS Road & Utilities, Inc. 15308 Ginger Street Austin Tx 78728	Kylie Smith masroadandutilities@gmail.com 5126804310	WB	F/Caucasian	AU
	MUN7143465 MUNIZ CONCRETE & CONTRACTING INC Po Box 6596 Austin Tx 78762	JOSE MUNIZ rudymunizcontracting.com 512-385-2334 Fax: 512-389-1446	MDB	M/Hispanic	AU

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	VS0000021028 Masonry Plus LLC P.O. Box 42123 Austin Tx 78704	Gilbert Jimenez giljimenez@masonryplusllc.com 512-914-7766	MB	M/Hispanic	AU
	V00000960818 Nahum Severino-Mondragon 105 Yucatan Dr Del Valle Tx 78617	Nahum Mondragon Severino starconcretetexas@gmail.com 5122870554	MDB	M/Hispanic	AU
	PIA8322157 PIATRA INC Po Box 9593 Austin Tx 78766-9593	MIRELA GLASS INFO@PIATRAINC.COM 512-299-0404	WDB	F/Caucasian	AU
	VS0000024973 Prota, Inc. P.O. Box 342195 Austin Tx 78734	Michelle Borg info@protaconstruction.com 512-535-2555 Fax: 5125355441	MWB	F/Hispanic	AU
	V00000922250 Rucoba & Maya Construction, LLC 35 Flint Rd Kyle Tx 78640	Florencio Maya florencio@rmconstructiongroup.com 5128707904	MDB	M/Hispanic	SL
	VS0000006907 TRINI CONSTRUCTION BUILDER LLC Po Box 81431 Austin Tx 78708	Reginald Worlds info@triniconstructionbuilder.com 512-282-2262 Fax: 512-535-7962	MDB	M/African American	AU
	UNI7027985 UNISM DEVELOPMENT CO INC Po Box 14145 Austin Tx 78761-4145	BEN WARMATE unism@sbcglobal.net 512-255-3726 Fax: 512-255-1451	MB	M/African American	AU
	V00000911146 XEVEV CONSTRUCTION LLC Po Box 681 Buda Tx 78610	BENJAMIN GONZALEZ info@xevevllc.com 512-312-4214 Fax: 5123124637	MDB	M/Hispanic	SL
	V00000950329 Ysassi Inc. Po Box 170071 Austin Tx 78717	Reynaldo Ysassi ysassr@live.com 5127853441	MDB	M/Hispanic	AU
	V00000938555 Zacharias Johnson 150 Parkland Drive Cedar Creek Tx 78612	Zacharias Johnson zach.johnson@thehabitsgroup.org 5127893108	MDB	M/African American	SL
91350 Construction, Street (Major and Residential)(Incl Reconstruc					
	V00000927571 APV CONSTRUCTION AND REMODELING LLC 1008 York Castle Dr Pflugerville Tx 78660	ABEL PEREZ perezconstructionandremodel@gmail.com 5128100304	MDB	M/Hispanic	AU

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	VS0000017696 AUSTIN CONSTRUCTORS LLC Po Box 18595 Austin Tx 78760	Jenny M Rodriguez jenny@austinconstructors.com 5123888690	MWDB	F/Hispanic	AU
	AUS8321418 AUSTIN UNDERGROUND INC Po Box 5650 Lago Vista Tx 78645-5650	RICK VAVRO rick@austin-underground.COM 512-535-3285 Fax: 512-535-3286	MDB	M/Hispanic	SL
	V00000900503 Alpha Paving Industries LLC Po Box 6565 Round Rock Tx 78683	Andrew Kim andrew@alphapavingtexas.com 512-677-9001 Fax: 5126779002	MDB	M/Asian	SL
	V00000918492 Austin Formula Utilities LLC. 3701 Hobbs Cove Austin Tx 78749	Juan Benitez Sr. austinformulautilities@gmail.com 512-828-7521 Fax: 5122983709	MDB	M/Hispanic	AU
	V00000920808 CL Concrete Construction Corporation Po Box 971 Taylor Tx 76574	Annette Espinoza Ramirez annette@clconcreteconstructioncorp.com 8179170542 Fax: 5123580718	MWB	F/Hispanic	SL
	V00000919820 Casto Lopez Concrete LLC 1955 Fm 2001 Suite 200 Buda Tx 78610	Venancio Lopez info@castolopezconcretellc.com 5125238295	MB	M/Hispanic	SL
	V00000922353 D&S Texas Icon Construction, LLC 5930 Heron Dr Buda Tx 78610	Channing Santiago ds_txiconconstruction@yahoo.com 9564601290 Fax: 5123835639	MDB	M/Hispanic	SL
	V00000906584 DAVID DELA CERDA 2302 Southwood Hills Dr Taylor Tx 76574	david dela cerda dlc.laguna@yahoo.com 512-496-0864 1 Fax: 5123651231	MDB	M/Hispanic	SL
	VS0000033889 ELROY SMITH 471 Emerald Fields Ln Kyle Tx 78640	Elroy Smith smitco.concrete@yahoo.com 5129459674 Fax: 5129266838	MDB	M/African American	SL
	FAC8317993 FACILITIES REHABILITATION INC 9120 S Fm 973 Austin Tx 78719	Annette Ramirez annette@facrehab.com 512-352-6035 Fax: 512-352-6036	MB	M/Hispanic	AU
	VS0000029821 GK Construction, LLC 1238 Tom Sawyer Road Dripping Springs Tx 78620	Gay Klassen gkconstruction@austin.rr.com 512-422-5949	WDB	F/Caucasian	SL
	VS0000008581 GLOBAL ENGINEERS INC 4219 Pebblestone Trl Round Rock Tx 78665-5027	Munir Khan munirmkhan@gmail.com 512-417-3172 Fax: 512-246-2212	MDB	M/Asian	AU

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	V00000911255 Guerra Underground LLC 9810 Fm 969 Austin Tx 78724	Arturo Guerra utilityrehab@yahoo.com 512-825-9580 Fax: 3126665810	MDB	M/Hispanic	AU
	V00000917285 Heavy Roadway Construction Services, LLC 1305 Terrace Viewdr Cedarpark Tx 78613	Mario c Alcantara mario@heavyroadway.com 512-922-0507	MDB	M/Hispanic	AU
	VC0000102806 J TWO SONS CONCRETE CONTRACTORS LLC 2823 Hwy 21 W Dale Tx 78616	Jesus Gonzalez jtwosonsconcrete@gmail.com 512-563-0785	MB	M/Hispanic	SL
	V00000962844 JL3 Construction Services, LLC 100 Tonkawa Ridge Hutto Tx 78634	Jaime Lopez jj@j3texas.com 5129213865	MDB	M/Hispanic	SL
	V00000926331 M & R GENERAL CONTRACTING LLC Po Box 90981 Austin Tx 78709	Norma Brito norma.brito1@gmail.com 5129640590	MWB	F/Hispanic	AU
	MUN7143465 MUNIZ CONCRETE & CONTRACTING INC Po Box 6596 Austin Tx 78762	JOSE MUNIZ rudy@munizcontracting.com 512-385-2334 Fax: 512-389-1446	MDB	M/Hispanic	AU
	VS0000021028 Masonry Plus LLC P.O. Box 42123 Austin Tx 78704	Gilbert Jimenez giljimenez@masonryplusllc.com 512-914-7766	MB	M/Hispanic	AU
	V00000960818 Nahum Severino-Mondragon 105 Yucatan Dr Del Valle Tx 78617	Nahum Mondragon Severino starconcretetexas@gmail.com 5122870554	MDB	M/Hispanic	AU
	PIA8322157 PIATRA INC Po Box 9593 Austin Tx 78766-9593	MIRELA GLASS INFO@PIATRINC.COM 512-299-0404	WDB	F/Caucasian	AU
	VS0000024973 Prota, Inc. P.O. Box 342195 Austin Tx 78734	Michelle Borg info@protaconstruction.com 512-535-2555 Fax: 5125355441	MWB	F/Hispanic	AU
	V00000922250 Rucoba & Maya Construction, LLC 35 Flint Rd Kyle Tx 78640	Florencio Maya florencio@rmconstructiongroup.com 5128707904	MDB	M/Hispanic	SL

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	SAN8316404 SANTA CLARA CONSTRUCTION LTD 9811 Anderson Mill Road, Ste 201 Austin Tx 78750	Mike Heyl mike.hey1@sccaustin.com 512-250-8310 Fax: 512-250-8371	MB	M/Hispanic	AU
	VS0000006907 TRINI CONSTRUCTION BUILDER LLC Po Box 81431 Austin Tx 78708	Reginald Worlds info@triniconstructionbuilder.com 512-282-2262 Fax: 512-535-7962	MDB	M/African American	AU
	UNI7027985 UNISM DEVELOPMENT CO INC Po Box 14145 Austin Tx 78761-4145	BEN WARMATE unism@sbcglobal.net 512-255-3726 Fax: 512-255-1451	MB	M/African American	AU
	VS0000034661 VAQUERO COMMERCIAL, INC. P.O. Box 170759 Austin Tx 78717	Audon Aguillon audon@vaquerogrp.com 512-388-7400 Fax: 5123887401	MDB	M/Hispanic	AU
	V00000911146 XEVEK CONSTRUCTION LLC Po Box 681 Buda Tx 78610	BENJAMIN GONZALEZ info@xeveklc.com 512-312-4214 Fax: 5123124637	MDB	M/Hispanic	SL
91356 Construction, Utility/Underground Projects					
	V00000918492 Austin Formula Utilities LLC. 3701 Hobbs Cove Austin Tx 78749	Juan Benitez Sr. austinformulautilities@gmail.com 512-828-7521 Fax: 5122983709	MDB	M/Hispanic	AU
	V00000919820 Casto Lopez Concrete LLC 1955 Fm 2001 Suite 200 Buda Tx 78610	Venancio Lopez info@castolopezconcretellc.com 5125238295	MB	M/Hispanic	SL
	V00000919778 Debora Chaparro 9702 N Creek Dr Austin Tx 78753	Debora Chaparro deborachaparro700@hotmail.com 5127979035 Fax: 5126665500	MWB	F/Hispanic	AU
	VS0000008581 GLOBAL ENGINEERS INC 4219 Pebblestone Trl Round Rock Tx 78665-5027	Munir Khan munirmkhan@gmail.com 512-417-3172 Fax: 512-246-2212	MDB	M/Asian	AU
	V00000911255 Guerra Underground LLC 9810 Fm 969 Austin Tx 78724	Arturo Guerra utilityrehab@yahoo.com 512-825-9580 Fax: 3126665810	MDB	M/Hispanic	AU
	VS0000003616 JPC Construction Inc 1706 Hur Industrial Blvd Cedar Park Tx 78613	Heather Chamberlain jchamberlain1@austin.rr.com 512-670-1522 Fax: 5122675551	WDB	F/Caucasian	AU

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	VS0000011481 Maldonado-Burkett, LLP 2312 Western Trails Blvd Ste C-303 Austin Tx 78745-1638	Ramon H. Maldonado, Jr. ramon@mbitsgroup.com 5129161386	MDB	M/Hispanic	AU
	VS0000024973 Prota, Inc. P.O. Box 342195 Austin Tx 78734	Michelle Borg info@protaconstruction.com 512-535-2555 Fax: 5125355441	MWB	F/Hispanic	AU
	V00000922250 Rucoba & Maya Construction, LLC 35 Flint Rd Kyle Tx 78640	Florencio Maya florencio@rmconstructiongroup.com 5128707904	MDB	M/Hispanic	SL
	SAN8316404 SANTA CLARA CONSTRUCTION LTD 9811 Anderson Mill Road, Ste 201 Austin Tx 78750	Mike Heyl mike.hey@sccaustin.com 512-250-8310 Fax: 512-250-8371	MB	M/Hispanic	AU
	V00000954796 Sadler Boring LLC 1260 Elliott Ranch Rd. Buda Tx 78610	Stephanie Sadler stephanie@sadlerboring.com 9189191226 Fax: 9722360075	WDB	F/Caucasian	SL
	VS0000031622 Sayers Construction, LLC 1507 Somerset Canyon Lane Cedar Park Tx 78613	Mark Sayers sayers.mm@gmail.com 512-529-1272	MDB	M/Hispanic	AU
	TMO8320608 T MORALES COMPANY ELECTRIC & CONTROLS LTD Po Box 859 Florence Tx 76527-0859	TINA MORALES TELDRIDGE@MORALESCOMPANY.COM 254-793-4344 Fax: 254-793-3044	MWB	F/Hispanic	SL
	VS0000034661 VAQUERO COMMERCIAL, INC. P.O. Box 170759 Austin Tx 78717	Audon Aguillon audon@vaquerogrp.com 512-388-7400 Fax: 5123887401	MDB	M/Hispanic	AU
	V00000950329 Ysassi Inc. Po Box 170071 Austin Tx 78717	Reynaldo Ysassi ysassr@live.com 5127853441	MDB	M/Hispanic	AU
91438 Electrical	ADV8309626 AWS LLC 4402 South Congress Ave Suite 203 Austin Tx 78745	MICHAEL HUERTA mhuerta@awsolutions.net 512-233-4638 Fax: 512-441-9473	MDB	M/Native American	AU

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	VS0000027122 Allied Electric Services, Inc. 4355 E University Ave Georgetown Tx 78626	Paige Paul paige@alliedelectric.us 5129300767 Fax: 5128681250	WDB	F/Caucasian	SL
	VS0000014175 Beckett Electrical Services, LLC P.O. Box 81381 Austin Tx 78708	Maureen Beckett maureen@besaustin.com 512-346-7462 Fax: 512-231-0151	WB	F/Caucasian	AU
	VS0000004131 Chivas Engineering and Consulting, Inc 9901 Brodie Ln Suite 160-246 Austin Tx 78748	Dr. Vasant C. Ramkumar vasant@chivascorp.com 512-217-0853 Fax: 5124020545	MDB	F/Asian	AU
	V00000919377 EDGE ELECTRIC, INC. Po Box 252 Driftwood Tx 78619	SANDRA JOHNSON sandra@edgeelectricinc.com 512-853-9647 Fax: 5128539020	WDB	F/Caucasian	SL
	V00000964211 FUERTE ELECTRIC INC P.O. Box 1249 Georgetown Tx 78627	Alberto Villarreal alberto@fuerteelectric.com 5129480807	MDB	M/Hispanic	SL
	VC0000102053 GERALD NUNN ELECTRIC LLC 410 N Patterson Ave Florence Tx 76527	GERALD NUNN Gerald@gnellctx.com 254-793-3539 Fax: 254-793-4263	MDB	M/Native American	SL
	V00000930006 GOVERNMENT INTERIOR SOLUTIONS INC 1301 S Capital Of Tx Hwy Suite B-125 Austin Tx 78746	NICK RUSSELL nick@pdngroup.com 5127669050 Fax: 5018013743	MDB	M/Native American	AU
	V00000947029 Iris Dalia Spencer 2016 Crystal Shore Dr. Austin Tx 78728	Iris Dalia Spencer estimating@capitalcityelectric.net 5129851238	MWDB	F/Hispanic	AU
	JSE8303419 J S ELECTRIC INC 4702 Fm 1327 Buda Tx 78610	Jamie SCHMIDT jschmidt@jselectric.com 512-243-2700 Fax: 512-243-2702	MWDB	F/Hispanic	SL
	V00000904278 Josephine Escobar 115 Todd Trail Elgin Tx 78621	Josephine Escobar jotimjon@yahoo.com 512-303-4536 Fax: 5123036877	MWB	F/Hispanic	SL
	VS0000011481 Maldonado-Burkett, LLP 2312 Western Trails Blvd Ste C-303 Austin Tx 78745-1638	Ramon H. Maldonado, Jr. ramon@mbitsgroup.com 5129161386	MDB	M/Hispanic	AU

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	VS0000007788 Merrigan Electric LLC 706 Riva Ridge Dr Leander Tx 78641	Christine Merrigan cmerrigan01@yahoo.com 5129443217 Fax: 5125927988	WDB	F/Caucasian	SL
	POW8300999 POWER QUALITY ENGINEERING INC 3061 Woodall Dr Bldg A Cedar Park Tx 78613-7225	Vanessa Bloom vbloom@pqeinc.com 512-267-6656 Fax: 512-267-0989	MWB	F/Hispanic	AU
	TEX8311982 TEXAS SOLAR POWER COMPANY 6448 Hwy 290e Ste C112 Austin Tx 78723	JOE GARCIA joe@txspc.com 512-459-9494 Fax: 512-451-5934	MDB	M/Hispanic	AU
	VS0000006907 TRINI CONSTRUCTION BUILDER LLC Po Box 81431 Austin Tx 78708	Reginald Worlds info@triniconstructionbuilder.com 512-282-2262 Fax: 512-535-7962	MDB	M/African American	AU
	V00000913974 Williams Trinity Electric, LLC 339 Precipice Way Georgetown Tx 78626	Terrick R Williams Sr. roniwilliams53@yahoo.com 512-887-0894 Fax: 5125917051	MDB	M/African American	SL
91473 Roofing					
	V00000916213 360TXC LLC 111 Congress #400 Austin Tx 78701	Dana Lester dlester@360txc.com 8777107474 3	MWDB	F/African American	AU
	VS0000031042 Architecture Roof Systems LLC Po Box 5115 Round Rock Tx 78683	kristie Imbriaco support@artechroof.com 5128437663 Fax: 8776956426	MB	M/Hispanic	SL
	V00000959209 Blue Ridge LLC 1801 E 51st St, Ste 365 #334 Austin Tx 78723	Jesal Desai blueridgellc08@gmail.com 5126507888	MWDB	F/Asian	AU
	V00000932965 Digby Company LLC Po Box 41046 Austin Tx 78704	Jasmine Bloomer jasmine@transitionroofing.com 5124166000 Fax: 5124166001	MB	M/African American	AU
	V00000961227 GAL Roofing & Exteriors 6106 Devonshire Cove Austin Tx 78723	Gabriela Garcia galroofingoffice@gmail.com 7373330072	MWDB	F/Hispanic	AU
	VS0000008581 GLOBAL ENGINEERS INC 4219 Pebblestone Trl Round Rock Tx 78665-5027	Munir Khan munirmkhan@gmail.com 512-417-3172 Fax: 512-246-2212	MDB	M/Asian	AU

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	HAY2261500 HAYNES EAGLIN WATERS LLC 13710 Immanuel Rd Pflugerville Tx 78660	CLOTEAL DAVIS HAYNES chaynes@hewaustin.com 512-451-6600 Fax: 512-879-1088	MWDB	F/African American	AU
	MUL8311202 ROLANDO J OSORIO 13608 Bullick Hollow Rd Austin Tx 78726-5005	ROLANDO OSORIO rolandooggs@gmail.com 512-257-8075	MB	M/Hispanic	AU
	VS0000034071 S E Packages Inc 2105 Fair Oaks Dr Austin Tx 78745	Sadie Pack spack@tres-mujeres.com 512-269-2546	WDB	F/Caucasian	AU
	VS0000006907 TRINI CONSTRUCTION BUILDER LLC Po Box 81431 Austin Tx 78708	Reginald Worlds info@triniconstructionbuilder.com 512-282-2262 Fax: 512-535-7962	MDB	M/African American	AU
	VAL7050710 VALDEZ REMODELING & WEATHERIZATION INC 3700 B Munson St Austin Tx 78721-2417	JOSIE VALDEZ valdezrem@austin.rr.com 512-926-5700 Fax: 512-929-7807	MWB	F/Hispanic	AU
91485 Welding	VS0000007176 Chapman Marine, Inc. 5107 Beacon Dr Austin Tx 78734	Heather Wolfe manager@laketravismarina.com 512-266-3483 Fax: 512-266-6473	WB	F/Caucasian	AU
	HAF8322659 HAFCO SERVICES INC 11411 Bristle Oak Trail Austin Tx 78750-1307	HUMBERTO FRIEDE humberto.friede@hafcoservices.com 512-925-1193 Fax: 512-996-0722	MDB	M/Hispanic	AU
	HOL2400500 HOLT ENGINEERING INC 2220 Barton Skyway Austin Tx 78704-5737	LINDA HOLT l.holt@holteng.com 512-447-8166 Fax: 512-447-0852	WB	F/Caucasian	AU
	VC0000102862 HOT ROD MECHANICAL INC 3415 E 5th St Austin Tx 78702	BERTHA GUTIERREZ hotrodmech@hotrodmech.com 512-386-8686 Fax: 512-386-8788	MWB	F/Hispanic	AU
9157297 PHOTOGRAPHY, CONSTRUCTION	ALL8308356 ALL POINTS INSPECTION SVCS INC 6613 Bramber Ln Austin Tx 78754	ALAYNE JOHNSON AUSTIN@APISGROUP2.COM 512-272-5056 Fax: 512-272-8278	MWDB	F/African American	AU

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	DIV8319156 Diva Imaging LLC 2003 La Casa Dr Austin Tx 78704-4720	SALLIE BURCHETT INFO@DIVAIMAGING.COM 512-473-2527	WDB	F/Caucasian	AU
	V00000900636 Esperanza C White P.O. Box 1202 Dripping Springs Tx 78620	Esperanza White whitephotosvcs@gmail.com 512-858-4949 Fax: 5128581949	MWDB	F/Hispanic	SL
	GEO8314031 GEOSEARCH LLC 3006 Bee Caves Rd Ste A230 Austin Tx 78746-5686	SCOTT DAVIS scott.davis@geo-search.com 512-472-9966 Fax: 5124729967	WDB	F/Caucasian	AU
	V00000948025 Glen M Winston 2303 Vanderbilt Circle Austin Tx 78723	Glen M Winston glensdrone@gmail.com 5129134772	MDB	M/African American	AU
	V00000937444 Hope E Green 2906 E Martin Luther King Jr Blvd #4102 Austin Tx 78702	Hope Green emojis.classic@gmail.com 5122564608	MWDB	F/African American	AU
	V00000936623 Jennifer Weems 206 Bellagio Dr Austin Tx 78734-5082	Jennifer Weems jennifer@jenniferweems.com 5126607381 Fax: 5126607381	WB	F/Caucasian	AU
	VS0000031322 LaTonya J Pegues 3201 Bee Caves Rd, Ste 161662 Austin Tx 78746	LaTonya Pegues lpegues@boazent.com 5126863664	MWB	F/African American	AU
	V00000915343 Majestic Services Inc 8120 North Ih 35, Suite 101 Austin Tx 78753	Sharal A Brown majesticvcinc@aol.com 512-470-9221 Fax: 5128363802	MWDB	F/African American	AU
	VS0000025076 Naomi J Richard P. O. Box 90644 Austin Tx 78709-0644	Naomi Richard naomi@whitegllovephotos.com 512-796-1547 Fax: 5128922113	MWDB	F/African American	AU
	V00000945403 Pamela Korenn Grovey 12000 Dessau Road Apt 1135 Austin Tx 78754	PAMELA KORENN GROVEY korenn@kokovisions.com 5125861869	MWB	F/African American	AU
	VC0000102926 RAMA TIRUMALACHAR 13105 Hymeadow Circle Austin Tx 78729	RAMA TIRU TIRUGALLERY@GMAIL.COM 512-773-6684 Fax: 877-216-4544	MWDB	F/Asian	AU

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	V00000926948 Stephanie Braun Clayton LLC 812 W Gibson St Austin Tx 78704	Stephanie Clayton stephaniebraunclayton@gmail.com 5125470719	WDB	F/Caucasian	AU
	VS0000006470 Villafana Enterprises Incorporated 2616 Glen Field Drive Cedar Park Tx 78613	Marcy A. Villafana mv@modcatdesign.com 512-619-8911	MWB	F/Hispanic	AU
93838 First Aid and Safety Equipment (Except Nuclear and					
	VS0000000829 Patricia K White 9901 Brodie Ln. Ste 160-284 Austin Tx 78748	Patricia White mssupply@austin.rr.com 5122808911 Fax: 8662604265	WDB	F/Caucasian	AU
97526 Crane Rental or Lease					
	UNI8312139 UNIQUEST INTERNATIONAL INC 8870 Business Park Dr Austin Tx 78759	SANDRA THOMPSON srt@texfleet.com 512-930-9720 Fax: 5123469995	MWDB	F/Hispanic	AU
97537 Garbage/Refuse Equipment (Dumpsters, etc.) Rental					
	VS0000031989 Jeff T Ellison Po Box 3605 Pflugerville Tx 78691	Jeff Ellison jtecollc@gmail.com 512-934-1905 Fax: 5129909850	MB	M/African American	SL
	TRI7012850 TRI RECYCLING INC Po Box 26499 Austin Tx 78755-0499	GERRY ACUNA trirecycle@aol.com 512-329-0172 Fax: 512-329-0174	MDB	M/Hispanic	AU
97773 Toilets, Portable, Rental or Lease					
	VS0000015442 Liquid Waste Solutions, LLC Po Box 1437 Buda Tx 78610	Sammie Tritico stritico@liquidwastetx.com 5125298816 Fax: 5122332587	WDB	F/Caucasian	SL
98814 Erosion Control Services					

**City of Austin
Subcontract Vendor List - VCRCVS**

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

Version No.: 1

Phase: 1

C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
	VC0000102203 ABC EROSION CONTROL INC 23407 Fulkes Lane Leander Tx 78641	VALERIE SANCHEZ vsanchez@abceci.com 512-259-3894 Fax: 5122594467	MB	F/Hispanic	SL
	V00000950026 Ashley DuBose 12609 Casting Drive Manor Tx 78653	Ashley DuBose ashley@jarbor.com 5759377776	MWB	F/Hispanic	AU
	VC0000102723 Avery Williamson 1407 Brandi Lane Round Rock Tx 78681	AVERY WILLIAMSON averyslawncare@att.net 512-845-6251 Fax: 512-388-7303	MDB	M/African American	SL
	CED7142775 CEDA-TEX SVCS INC 500 Brushy Creek Road, Suite 306 Cedar Park Tx 78613	FRED ODANGA contact@cedatex.com 512-339-0155 Fax: 5123392829	MDB	M/African American	AU
	V00000946387 Cari Harrington Po Box 1446 Bastrop Tx 78602	Cari Harrington cari@h2ogeotx.com 5127859801 Fax: 5127859801	WDB	F/Caucasian	SL
	ENV7167715 ENVIRONMENTAL SURVEY INC 4602 Placid Place Austin Tx 78731	Ingrid Karklins ingrid.karklins@envirosurvey.com 5124588531 512 Fax: 5124588531	WB	F/Caucasian	AU
	V00000917830 Earthco Landscape Construction LLC 4500 Williams Dr. Suite 212-108 Georgetown Tx 78633	Heath Williamson earthcolc@aol.com 5128187015 Fax: 5129438333	MDB	M/African American	SL
	VS0000012711 Environmental Safety Services Inc. 14101 Hwy 290 W Bldg. 400, Suite C Austin Tx 78737	Joe Lopez enviross@hotmail.com 512-989-2259 Fax: 5123729375	MDB	M/Hispanic	SL
	V00000942747 Jecker Fields Service, Inc 3413 Hunter Road San Marcos Tx 78666	JAYME JECKER jsjecker@jeckerfieldservices.com 5124707335 Fax: 5123923450	WDB	F/Caucasian	SL
	JOH2629800 Johnson Hauling, LLC 1805 Elmira Austin Tx 78721	ULYSSES JOHNSON johnsonhauling@hpeprint.com 512-928-1060 Fax: 512-926-4180	MB	M/African American	AU
	V00000945460 Keith Kneeland 520 County Road 108 Unit 11 Hutto Tx 78634	Keith Kneeland fhmccants@gmail.com 7703551270	MDB	M/African American	SL

**City of Austin
Subcontract Vendor List - VCRCVS**

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C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
	V00000926331 M & R GENERAL CONTRACTING LLC Po Box 90981 Austin Tx 78709	Norma Brito norma.brito1@gmail.com 5129640590	MWB	F/Hispanic	AU
	V00000938474 MAS Road & Utilities, Inc. 15308 Ginger Street Austin Tx 78728	Kylie Smith masroadandutilities@gmail.com 5126804310	WB	F/Caucasian	AU
	V00000915343 Majestic Services Inc 8120 North Ih 35, Suite 101 Austin Tx 78753	Sharal A Brown majesticvcinc@aol.com 512-470-9221 Fax: 5128363802	MWDB	F/African American	AU
	ROA7009475 ROADWAY SPECIALTIES INC Po Box 90309 Austin Tx 78709-0309	Danette Shelton danette@roadwayspecialties.com 5122806666 Fax: 5122806066	WDB	F/Caucasian	AU
	V00000921504 TERRA ECOSERVICES LLC 11006 Swelfling Terrace Austin Tx 78737	HOLLY ROSS hross@terraecoservices.com 5122882167	WDB	F/Caucasian	SL

**City of Austin
Subcontract Vendor List - VCRCVS**

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

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Phase: 1

C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
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Vendors Outside the SLBP Area

28556 Lighting Fixtures, Outdoor: Floodlights, Spotlight

VS0000004401 Competitive Choice, Inc. P.O. Box 35743 Houston Tx 77235	713-838-1144 713-838-1188 aundrea@competitivechoice.net	MWB	F/African American	TX
DUR8317147 DURAN INDUSTRIES INC 504 Business Parkway Richardson Tx 75081	9722387122 9722387123 rduran@duranco.com	MDB	M/Hispanic	TX
V00000954206 Valderrama Energy Services, LLC Ste 180-145 Houston Tx 77062	8555508656 enelson@ves.us	MWB	F/Hispanic	TX
V00000929633 Wholesale Electric Caribe Inc. 125 W Broad Avenue Suite 20 North Bergen Nj 07047	3058851260 2015498759 sales@wecipr.com	MDB	M/Hispanic	OS

33013 Fencing, Chain Link (Including Fabric, Gates, Pane

CON7107060 CONROE WOOD PRODUCTS INC 804 West Dallas Ste #1 Conroe Tx 77301-2208	888-636-3098 936-760-2975 CONROEWOODPR@CONSOLIDATED.NET	WDB	F/Caucasian	TX
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65860 Pipe, PVC (Polyvinyl Chloride)

V00000940234 Industry Junction, Inc. Suite 7 Garland Tx 75041	9729263526 contact@industryjunction.com	MB	M/Hispanic	TX
V00000946816 Tenoch Distribution LLC 24165 Ih 10 West Suite 217-147 San Antonio Tx 78257	2104148857 bvenegas@tenochdistribution.com	MWB	F/Hispanic	TX

90976 Site Work

V00000945717 C2 Concrete Inc. Suite 3-E Pflugerville Tx 78600	5126665064 5126665066 gcosme@c2concrete.com	MDB	M/Hispanic	TX
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City of Austin Subcontract Vendor List - VCRCVS

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

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C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
	VS0000027011 Chavez Service Companies, Inc. P.O. Box 572351 Houston Tx 77257-2351	7137819200 7137819202 bchavez@chavezcompanies.com	MWDB	F/Hispanic	TX
	V00000940391 Gralan Enterprises, Inc. 626 Highway 6 S. Houston Tx 77079	2815314335 galvarado@gralan.net	MWDB	F/Hispanic	TX
	V00000921855 Nova Landscape Group, Inc. 12914 Cr 483 Lavon Tx 75173	5126278695 aimeem@novalg.com	MDB	M/Asian	TX
91071 Shoring and Reinforcement Services					
	V00000933658 The Orduno Holding Company 4500 Fuller Dr. Ste 205 Irving Tx 75038	9727173070 oorduno@oscardordunoinc.com	MB	M/Hispanic	TX
	VC0000102952 WILLIAMS TUNNELING INDUSTRIES INC 16306 Cascade Caverns Ln Houston Tx 77044	8328891468 512-285-3477 WILLIAMS_EDISON@YAHOO.COM	MDB	M/African American	TX
9122319 BOX CULVERTS, CONCRETE. THIS WORK SHALL CONSIST OF					
	V00000945717 C2 Concrete Inc. Suite 3-E Pflugerville Tx 78600	5126665064 5126665066 gcosme@c2concrete.com	MDB	M/Hispanic	TX
9122376 STRUCTURES, STEEL (FURNISH, FABRICATE, TRANSPORT, ERECT)					
	CHO8304766 CHOCTAW ERECTORS INC Po Box 156506 Fort Worth Tx 76155-1506	972-790-2255 9727902424 kevinb@choctawerectors.com	MDB	M/Native American	TX
91347 Construction, Sidewalk and Driveway (incl Handicapped ramps)					
	V00000945717 C2 Concrete Inc. Suite 3-E Pflugerville Tx 78600	5126665064 5126665066 gcosme@c2concrete.com	MDB	M/Hispanic	TX

City of Austin Subcontract Vendor List - VCRCVS

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C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
	V00000946051 Fernan Granados 106 Ridgewood Dr Del Rio Tx 78840	8303098499 granadosf12@gmail.com	MDB	M/Hispanic	TX
	V00000920091 Tejas Premier Building Contractor, Inc. 1811 S. Laredo St. San Antonio Tx 78207	2108215858 2108215862 julissa@tejaspremierbc.com	MWDB	/Hispanic	TX
	V00000900746 Under Construction, Inc. 114 Ne 28th St Grand Prairie Tx 75050	9725908922 9725908924 ejohnson@slstexas.com	MDB	M/African American	TX
91350 Construction, Street (Major and Residential)(Incl Reconstruct)					
	BIC7080355 BICK'S CONSTRUCTION INC 2608 W Waggoman St Fort Worth Tx 76110-4629	817-429-6107 817-921-9791	WDB	F/Caucasian	TX
	V00000900746 Under Construction, Inc. 114 Ne 28th St Grand Prairie Tx 75050	9725908922 9725908924 ejohnson@slstexas.com	MDB	M/African American	TX
91356 Construction, Utility/Underground Projects					
	V00000936030 F & C Eaton Enterprises, LLC 204 City View Cedar Hill Tx 75104	4439951948 fceatonenterprise@gmail.com	MB	F/African American	TX
	IBA7153325 IBARRA CONSULTING ENGINEERS INC Suite 840 Dallas Tx 75205	214-219-1030 555-555-5555 ibarra@ibarraengineer.com	MWDB	F/Hispanic	TX
	MAG8319127 MAGNUM MANHOLE & UNDERGROUND 428 N. First Street Garland Tx 75040	972-276-2048 9722765318 MAGNUMMANHOLE@YAHOO.COM	WDB	F/Caucasian	TX
	VS0000027166 SKE Construction, LLC Po Box 1111 Cypress Tx 77410	281-585-4100 281-585-5707 shelly@ske1.net	MWB	F/Native American	TX

City of Austin Subcontract Vendor List - VCRCVS

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

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Phase: 1

C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
	V00000920091 Tejas Premier Building Contractor, Inc. 1811 S. Laredo St. San Antonio Tx 78207	2108215858 2108215862 julissa@tejaspremierbc.com	MWDB	/Hispanic	TX
91438 Electrical	KAM8305026 KAMO ENERGY INC 1201 Universal City Blvd Universal City Tx 78148-3352	210-566-9800 2105669801 kamoenergy@msn.com	MB	F/Asian	TX
91473 Roofing	V00000911409 Canalco, Inc 9503 Clubhouse Circle Magnolia Tx 77354	713-857-7020 acanales@cwrsi.com	MDB	M/Hispanic	TX
	VS0000036528 Central Texas Express Metalwork LLC 304 El Paso St San Antonio Tx 78207	2103372260 2103590089 kara@myexpresscontracting.com	MWDB	F/Asian	TX
	V00000947293 Jose G Aviles 2110 Parhaven Dr San Antonio Tx 78232	2107740848 2547322831 javiles09@hotmail.com	MB	M/Hispanic	TX
91485 Welding	CHO8304766 CHOCTAW ERECTORS INC Po Box 156506 Fort Worth Tx 76155-1506	972-790-2255 9727902424 kevinb@choctawerectors.com	MDB	M/Native American	TX
9157297 PHOTOGRAPHY, CONSTRUCTION	V00000913996 Deborah D Pedigo Suite 6 San Antonio Tx 78229-2676	2104014501 2103967306 debbiep@pedigostaffing.com	WB	F/Caucasian	TX
	V00000957521 Octavia Sharpless 4203 Pete Dr Killeen Tx 76549	2542450849 ovmccoy@yahoo.com	MWB	F/African American	TX

City of Austin
Subcontract Vendor List - VCRCVS

Solicitation No.: IFB 6100 CLMC798 Dalton Lane Site Utilities and Service Center Improvements

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Phase: 1

C Code & Description	Vend Code/Adr	Contact Information	W/MB Code	G/E	LCTN
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Total in SLBP: 232

Total Outside SLBP: 33

GOOD FAITH EFFORTS INSTRUCTIONS (CITY OF AUSTIN ORDINANCE 2-9A-D)

At a minimum, the following should be submitted to support Good Faith Effort documentation:

- Solicitation sent to MBE/WBE firms **in the** Significant Local Business Presence (SLBP – 5 Counties include Travis, Hays, Williamson, Bastrop, and Caldwell) identified on the availability list for subcontracting opportunities not less than **7 business days** prior to bid date. Notices must be sent using two separate reasonable, available, and verifiable methods (e.g. email, fax, mail, or phone).
 - **Such as evidence of written notice includes copy of letters (solicitation notice) that was sent by email, fax, or mail.**
 - **Such as evidence of two separate methods used to notify MBE/WBEs include fax logs, email confirmations, copies of stamped envelopes/hand-delivered and/or phone logs (Phone contacts, alone, will not be sufficient.)**
- Written correspondence to certified vendors should include names, addresses, and other identifying information including your company's phone number, contact person, where to locate plans and specifications; and due date for responding.
- Take appropriate steps to follow up the initial solicitation with interested MBEs or WBEs.
 - **Submit copies of written responses from all respondents to your solicitation.**
 - **If interested MBEs or WBEs responded, document follow up on log of contacts and include date and contact information**
- Publish notice in a local publication such as newspaper, trade association publication, or via electronic/social media. (*Facebook Business Page, LinkedIn Business Profile, Twitter Business Account, or see below for a list of local minority trade publishers*)
 - Bidder/proposer must state a specific and verifiable reason for not contacting each certified firm with a SLBP.
 - **If MBEs and WBEs were not sent solicitation notices, document reason on log of contacts.**
 - Negotiate in good faith with interested MBEs and WBEs.
 - **If negotiated in good faith with interested MBEs and WBEs, document results on log of contacts.**
- Contact SMBR for assistance (i.e. additional scopes identified or assistance with MBE/WBE Program requirements).
- Not rejecting MBEs or WBEs as being unqualified without sound reasons.
- Seeking the services of available minority and women community organizations (*See below*)
 - **Documentation of contacts with trade associations and Chambers of Commerce.**
- Selecting portions of the work that will increase the likelihood that the MBE/WBE goals will be met.

The following additional Good Faith Efforts factors may also be considered:

- Efforts to assist MBE/WBEs in bonding, insurance, and financing where appropriate.
 - **If assistance was provided, document in log of contacts.**
- Efforts to assist MBE/WBEs in obtaining necessary equipment, supplies, and materials.
 - **If assistance was provided, document in log of contacts.**

In assessing minimum good faith efforts, SMBR may consider the performance of other Bidder/Proposers successfully meeting the goals.

FAILURE TO COMPLY WITH THE MBE/WBE PROCUREMENT ORDINANCE MAY RESULT IN A DETERMINATION OF NON-COMPLIANCE OR REJECTION OF YOUR REQUEST FOR CHANGE

SMALL & MINORITY BUSINESS RESOURCES CONTACT INFORMATION

<u>Compliance</u>	<u>CERTIFICATION</u>	<u>MAIN OFFICE</u>
512-974-7600	512-974-7645	512-974-7600
512-974-7601	512-974-7601	512-974-7622
Smbrcompliancedocuments@austintexas.gov	smbrcertification@austintexas.gov	www.austintexas.gov/smbr

SMBR's Plan Room

The City of Austin's Small & Minority Business Resources (SMBR) Department has a Plan room for viewing City of Austin project plans and specifications as well as other local, private, and public sector jobs. In addition, SMBR and McGraw-Hill Dodge have partnered to provide contractors up-to-date construction project information, plans and specification through the Internet. Projects include public and private sector opportunities in 100 South and Central Texas counties.

Where is the Plan Room?

It's located at the offices of SMBR
4201 Ed Bluestein Blvd.
Austin, TX 78721

How much will it cost?

There are no fees to access the information. There are minimal fees for copying and printing of plan and specification sheets.

What are my next steps?

Attend a free one-hour orientation session to learn how to operate the on-line service. Call (512) 974-7799 to make an appointment or for more information.

For more information or to view a list of projects currently available in the Plan Room visit website at www.austintexas.gov/smbr under the Plan Room projects.

BONDING

Bonding is a type of protection that a governmental agency or prime contractor may require that your company have in order to work on a contract. A bonding application will take several days. Get started today. Be proactive by making an appointment to talk to SMBR's Bonding Financial Consultant, Luke Ortega Luper as soon as possible. He can be reached at (512-974-7733 or email him at Luke.Luper@austintexas.gov. You will also find past copies of his newsletters on our website at <http://austintexas.gov/department/bonding>.

Keep in mind that SMBR does not issue bonds; however, we do provide our bonding resource program as a free and confidential service to our business owners.

AUSTIN MINORITY NEWSPAPERS

Capital City Argus News

PO Box 140471
Austin, TX 78714-0471
512-926-0348 Fax: same as phone

Charles M. Miles

Email: CMilesArgus@yahoo.com

El Mundo Newspaper

2112 E. Cesar Chavez
Austin, TX 78702
512-476-8636

Email: info@elmundonewspaper.com

La Prensa

PO Box 6504
Austin, TX 78762-6504
512-478-3090 Fax: 512-482-6400

Catherine Vasquez-Revilla

Email: laprensa@aol.com

Nokoa The Observer

PO Box 1137
Austin, TX 78767
512-499-8713 Fax: same as phone

Akwasi Evans

Email: akwasievans2013@gmail.com

The Villager

4132 E. 12th Street
Austin, TX 78721
512-476-0082 Fax: 512-476-0179

Tommy L. Wyatt

Email: vil3202@aol.com

World Journal Inc. of Texas/World Journal Chinese Daily News

5855 Sovereign Dr. #C
Houston, TX 77036

Sherry Wang

Email: sherrywang1020@yahoo.com

LOCAL MINORITY SERVICE ORGANIZATIONS

Asian Contractor Association

4201 Ed Bluestein Blvd, 2nd floor
Austin, TX 78721
512-926-5400 Fax: 512-926-5410

Aletta Banks

www.acta-austin.com

Email: asiancontractor@gmail.com

Austin Area Black Contractors Association

6448 Highway 290 East, Suite E-107
Austin, TX 78723
512-467-6895 Fax: 512-467-9808

Carol Hadnot

www.abcatx.com

Email: brc-pro@att.net

Business Investment Growth (BIG Austin)

Capital Plaza Bank Office Building
5407 N. IH-35, Ste 200
Austin, TX 78723
512-928-8010 Fax: 512-926-2997

Stacy Dukes-Rhone

www.bigaustin.org

Email: info@bigaustin.org

Business Resource Consultants (BRC)/(Bid Briefs)

6448 Highway 290 East, Suite E-107
Austin, TX 78723
512-467-6894 Fax: 512-467-9808

Carol S. Hadnot

Email: brc-pro@att.net

Greater Austin Asian Chamber of Commerce

8001 Centre Park Drive, Suite 160
Austin, TX 78731
512-407-8240

Jodie Huynh

www.austinasianchamber.org

Email: jhuynh@austinasianchamber.org

Greater Austin Black Chamber of Commerce

African-American Heritage Center
912 E. 11th Street, Suite A
Austin, TX 78702
512-459-1181 Fax: 512-459-1183

Tam Hawkins

www.austinbcc.org

Email: admin@austinbcc.org

Greater Austin Hispanic Chamber of Commerce

3601 Far West Blvd, Suite 204
Austin, TX 78731
512-476-7502 Fax: 512-476-6417

Casilda Clarich

www.gahcc.org

Email: cclarich@gahcc.org

U.S. Hispanic Contractors Association de Austin (USHCA)

920 E. Dean Keeton Street
Austin, TX 78705
512-922-0507

Juan Oyervides

www.ushca-austin.com

Email: info@ushca-austin.com

CODE SUMMARY

2015 International Building Code
 2015 International Energy Code
 2015 International Fire Code
 2015 Uniform Mechanical Code (UMC)
 2015 Uniform Plumbing Code (UPC)
 2017 National Electrical Code
 Americans With Disabilities Act 1990
 Texas Accessibility Standards 2012

BUILDING CODE DATA

OCCUPANCY GROUP: U

CONSTRUCTION TYPE: IIB

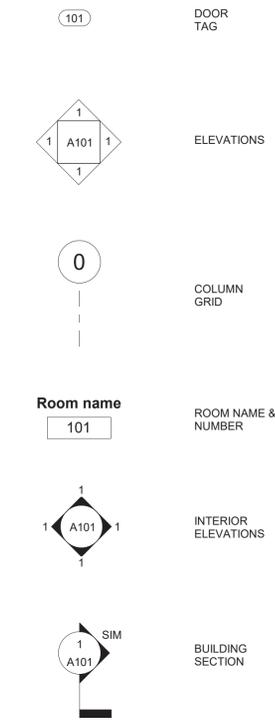
FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS TYPE IIB TABLE 601
 BEARING WALLS INTERIOR AND EXTERIOR: NO REQUIREMENTS
 NON-BEARING WALLS: NO REQUIREMENTS
 STRUCTURAL FRAME: NO REQUIREMENTS
 FLOOR AND FLOOR/CEILING: NO REQUIREMENTS
 ROOF AND ROOF/CEILING: NO REQUIREMENTS
 EXTERIOR DOOR/WINDOW: NO REQUIREMENTS

UNSPRINKLED

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AL, ALUM	ALUMINUM
ANOD	ANODIZED
BCS	BABY CHANGING STATION
CA	COLOR ANODIZED FINISH
CL	CLOSET
CLA	CLEAR ANODIZED FINISH
CLG	CEILING
COL(S)	COLUMN(S)
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DS	DOWNSPOUT
DB	DRESSING BENCH
(E)	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
GA	GAUGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL, GLZ	GLAZING (WINDOW, GLASS)
GYP BD	GYPSPUM BOARD
LAV	LAVATORY
HB	HOSE BIBB
HM	HOLLOW METAL
INS	INSULATED (REFER TO GLAZING SPECIFICATIONS)
INT	INTERIOR
MFG	MANUFACTURER
MIR	MIRROR
MS	MOP SINK
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
O.C.	ON CENTER
OJUSD	OPEN TO UNDERSIDE OF DECK (NO CEILING)
OH	OVERHEAD OBJECT/LINE
PLWD	PLYWOOD
PT	PAINTED
(R)	REFURBISHED
RB	RUBBER BASE
SC	CONCRETE WITH PENETRATING SEALER
SCW	SOLID CORE WOOD
STL	STEEL
STN	STAINED
(S)	SIMILAR
T	TEMPERED GLASS
TD	TOWEL DISPENSER
T.O.S.	TOP OF STRUCTURE
TP	THERMOSET POLYESTER FINISH AAMA 60.8
T & G	TONGUE AND GROVE WOOD PLANKS
TRAN	TRANSOM WINDOW
UR	URINAL
VYL	VINYL
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
WPI/GYP	WATER RESISTANT GYPSPUM BOARD and WHERE APPLICABLE) WOOD
WD	WOOD
WS	WOOD SEALER
--	NO APPLIED FINISH / NOT APPLICABLE

SYMBOLS



○ Symbols
 3/32" = 1'-0"

○ Abbreviations
 3/32" = 1'-0"

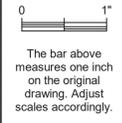


100% Construction Documents
 02/14/2020

mwm Design Group
 305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
 TBPE FIRM REGISTRATION NO.: F-1416
 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



SYMBOLS, ABBREVIATIONS & CODE SUMMARY

Dalton Lane Site Utilities and Service Center Improvements
 AUSTIN, TX 78742

PLOTTED:
 JOB NO: 023-89A
A001

C:\ADS\Share1\RevitProjects\023-89A_Dalton_Lane_CentralModel_mary (@mwm)designgroup.com.rvt

CONTRACTOR NOTES:

1. THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT TYPE AND LOCATION OF ALL UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES. THE CONTRACTOR SHALL A) IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES, AND B) PAY FOR SAME AT NO EXTRA COST TO THE OWNER.
2. THE BIDDER (CONTRACTOR AFTER AWARD) SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY UNREPORTED OBSTACLES OR DISCREPANCIES THAT MAY IMPEDER OR PREVENT THE PROPER CONSTRUCTION OF THIS PROJECT.
3. WHERE REMOVAL OF BASE AND PAVEMENT IS NECESSARY FOR THIS PROJECT ALL BASE AND PAVEMENT SHALL BE REPLACED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND COA STANDARD SPECIFICATIONS. ALL PAVEMENT CUTS SHALL BE SAW CUT PRIOR TO PLACEMENT OF H.M.A.C. AND COORDINATED WITH COA AND CITY INSPECTORS.
4. SLOPES OF ROADWAY CUTS AND EMBANKMENTS DAMAGED BY ANY OPERATION OF THE CONTRACTOR DURING THE EXECUTION OF THIS PROJECT SHALL BE REPAIRED AND RESTORED TO THE ORIGINAL PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS. BACK FILL AND FILL PLACED DURING REMEDIAL GRADING SHALL BE COMPACTED TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE ENGINEER AND GOVERNING AUTHORITIES.
5. BEFORE DISCONNECTING ANY WATER LINE OR GAS LINE, CONTRACTOR MUST PROVIDE FORTY-EIGHT (48) HOUR NOTICE TO THE OWNER EXCEPT IN THE CASE OF A BONA FIDE EMERGENCY.
6. CONTRACTOR SHALL COMPLY WITH CONSTRUCTION SEQUENCING WHICH IS SPECIFIED ON THIS SHEET.
7. ALL CONSTRUCTION SHALL FOLLOW THE LATEST VERSIONS OF THE CITY OF AUSTIN STANDARD DETAILS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.

8. UPON REQUEST, COMPUTER AIDED DESIGN (CAD) FILES CAN BE MADE AVAILABLE TO THE CONTRACTOR FOR THE PURPOSES OF CONSTRUCTION STAKING.
9. CONTRACTOR TO PROVIDE A 24-HOUR (MINIMUM) NOTICE TO ENGINEER PRIOR TO ALL UTILITY INSTALLATION TO ALLOW FOR VISUAL OBSERVATION OF TRENCH EXCAVATION, BEDDING, PIPE MATERIAL, AND BACKFILL.

PAVING:

1. HOT MIX ASPHALTIC CONCRETE (H.M.A.C.), WHEN REQUIRED, SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH ITEM 340 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY.
2. FLEXIBLE BASE SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH ITEM 210 OF THE STANDARD SPECIFICATIONS AND THE CITY OF AUSTIN STANDARDS AND STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY.
3. CONCRETE PAVEMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH ITEM 360 OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
4. PAVEMENT DESIGN BASED ON RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL ENGINEERING REPORT (NO. AG 16 10337.1 AND AG 16 10337.1.1), PREPARED BY HWJ ASSOCIATES, DATED DECEMBER 13, 2018.
5. CONTRACTOR SHALL PROVIDE A 24-HOUR (MINIMUM) NOTICE TO ENGINEER PRIOR TO ALL CONCRETE POURS TO ALLOW FOR VISUAL OBSERVATION OF FORMWORK AND REBAR PLACEMENT.

EXCAVATION AND BACKFILL:

1. ALL EXCAVATION FOR THIS PROJECT SHALL BE UNCLASSIFIED.
2. CONTRACTOR/REPAIR CREW MUST NOTIFY INSPECTOR AT LEAST TWENTY FOUR (24) HOURS PRIOR TO BEGINNING PERMANENT BACK FILL OPERATIONS.
3. BACKFILL DENSITY SHALL BE AS SPECIFIED IN ITEM 510 OF THE COA STANDARD SPECIFICATIONS. TEST METHODS SHALL BE AS SPECIFIED IN THE CITY STANDARD SPECIFICATIONS UNLESS INDICATED OTHERWISE IN WRITING BY THE ENGINEER.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INCLUDING THOSE THAT ARE REQUIRED TO COMPLY WITH SECTIONS 15-12-161 AND 15-12-181 OF THE CITY CODE REGARDING EXCAVATION IN PUBLIC RIGHT OF WAY.

HANDICAP ACCESSIBILITY:

1. ACCESSIBLE ROUTES MUST HAVE A RUNNING-SLOPE NO GREATER THAN 5% UNLESS DESIGNATED AS A RAMP.
2. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 2%.
3. THE MAXIMUM RUNNING SLOPE OF A RAMP IN NEW CONSTRUCTION IS 8.33%.
4. TAS AND ADA CRITERIA SHALL GOVERN.

SAFETY:

1. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A SAFE, NEAT AND WORKMANLIKE MANNER AT ALL TIMES. JOB SITE SAFETY SHALL NOT BE COMPROMISED. ANY UNATTRACTIVE, NUISANCE SHALL BE REMOVED OR CAMOUFLAGED BY CONTRACTOR WHEN DIRECTED BY THE OWNER OR ENGINEER.
2. ALL HOLES, TRENCHES, AND OTHER HAZARDOUS AREAS SHALL BE ADEQUATELY PROTECTED BY BARRICADES, FENCING, LIGHTS, AND/OR OTHER PROTECTIVE DEVICES AT ALL TIMES.
3. REMOVAL OF EXCAVATED MATERIALS AND DAILY CLEANUP OPERATIONS SHALL BE PERFORMED TO THE SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER AND ENGINEER.
4. CONTRACTOR SHALL MAINTAIN A SUPERINTENDENT UPON THE PROJECT AT ALL TIMES WORK IS IN PROGRESS.

TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN CLEAR PASSAGE FOR LOCAL TRAFFIC AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, WARNING SIGNS, AND FLAG MEN OPERATIONS SHALL BE PLACED, CONSTRUCTED, EXECUTED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUCD).
3. WHERE PORTABLE SIGNS REQUIRE THE USE OF WEIGHTS, SANDBAGS SHALL BE USED. THE USE OF SOLID OBJECTS SUCH AS CONCRETE, ROCKS, IRON, ETC. SHALL NOT BE PERMITTED.
4. INSTALLATION OF CONSTRUCTION BARRICADING AND SIGNING SHALL BE COORDINATED THROUGH THE CITY OF AUSTIN RIGHT OF WAY MANAGEMENT AT (512) 974-1150 (OR APPLICABLE REGULATORY ENTITY).
5. ALL TRAFFIC CONTROL SIGNS SHALL REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS. IF SIGNS REQUIRE RELOCATION, CONTRACTOR SHALL CONTACT THE CITY OF AUSTIN RIGHT OF WAY MANAGEMENT AT (512) 974-1150 (OR APPLICABLE REGULATORY ENTITY).
6. CONTRACTOR MUST RESTORE ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION. CONTRACTOR SHALL OBSERVE ALL APPLICABLE MATERIALS, SPECIFICATIONS, AND INSTALLATION REQUIREMENTS INCLUDING SPECIAL ATTENTION TO MAINTAINING PROPER DIMENSIONS AND ALIGNMENT.

TRENCH SAFETY:

1. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, ALL TRENCHES OVER 5 FEET IN DEPTH IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHETTED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED.
2. IN ACCORDANCE WITH THE U.S. OSHA REGULATIONS, WHEN EMPLOYEES ARE REQUIRED TO BE IN TRENCHES 4 FOOT DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.

MAINTENANCE OF BELOW GRADE POND/CISTERN:

SEE SPECIFICATION FOR ALL PRODUCTS. VISUAL INSPECTION REQUIRED FOR CISTERN, POND AND PRETREATMENT (CDS3030) AT INTERVALS OF TWO TIMES PER YEAR. REQUIRES TWO INDIVIDUALS FOR INTERIOR INSPECTION. REMOVE ALL TRASH AT INSPECTION. WHEN SILT/DIBRIS REACH AVERAGE 1" IN DEPTH OR 6" DEPTH FOR MORE THAN 10' IN ANY AREA MATERIAL SHALL BE REMOVED VIA VACUUM. DEBRIS MAY BE REMOVED WITH SHOVEL.

AUSTIN ENERGY:

1. AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVE TREES, SHRUBBERY AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH CHAPTER 25-8, SUBCHAPTER B OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
2. THE OWNER/DEVELOPER OF THIS SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH ANY EASEMENT AND/OR ACCESS REQUIRED, IN ADDITION TO THOSE INDICATED, FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRIC SERVICE TO THE BUILDING(S) AND WILL NOT BE LOCATED SO AS TO CAUSE THE SITE TO BE OUT OF COMPLIANCE WITH CHAPTER 25-8 OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
3. THE OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY EROSION CONTROL, VEGETATION AND TREE PROTECTION. IN ADDITION, THE OWNER SHALL BE RESPONSIBLE FOR ANY INITIAL TREE PRUNING AND TREE REMOVAL THAT IS WITHIN TEN FEET OF THE CENTER LINE OF THE PROPOSED OVERHEAD ELECTRICAL FACILITIES DESIGNED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THE OWNER SHALL INCLUDE AUSTIN ENERGY'S WORK WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.
4. THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCE REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, CITY OF AUSTIN RULES AND REGULATIONS AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER.
5. AUSTIN ENERGY MUST REVIEW ANY CHANGES TO THIS PLAN THAT MAY AFFECT ELECTRIC REQUIREMENTS. THESE CHANGES INCLUDE, BUT ARE NOT LIMITED TO, CHANGES IN BUILDING SQUARE FOOTAGE, BUILDING LOCATION, DETENTION FACILITIES' LOCATION, GRADING, SPOIL SITE LOCATIONS, ETC.

ORDINANCE REQUIREMENTS:

1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN, ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE A SITE PLAN AMENDMENT AND APPROVAL FROM THE DEVELOPMENT SERVICES DEPARTMENT.
2. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING CODE APPROVAL; FIRE CODE APPROVAL; OR BUILDING, DEMOLITION, OR RELOCATION PERMITS APPROVAL. A CITY DEMOLITION OR RELOCATION PERMIT CAN ONLY BE ISSUED ONCE THE HISTORIC REVIEW PROCESS IS COMPLETED.
3. ALL SIGNS MUST COMPLY WITH THE REQUIREMENTS OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
4. THE OWNER IS RESPONSIBLE FOR ALL COSTS OF RELOCATION OF, OR DAMAGE TO, UTILITIES.
5. ADDITIONAL ELECTRIC EASEMENTS MAY BE REQUIRED AT A LATER DATE.
6. A SITE DEVELOPMENT PERMIT MUST BE ISSUED PRIOR TO AN APPLICATION FOR BUILDING PERMIT FOR NONCONSOLIDATED OR LAND USE COMMISSION APPROVED SITE PLANS.
7. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN — OR IDENTIFY THE SERVICE PROVIDER (IF OTHER THAN THE CITY OF AUSTIN).
8. NO CERTIFICATE OF OCCUPANCY MAY BE ISSUED FOR THE PROPOSED RESIDENTIAL CONDOMINIUM PROJECT UNTIL THE OWNER OR OWNERS OF THE PROPERTY HAVE COMPLIED WITH CHAPTER 81 AND 82 OF THE PROPERTY CODE OF THE STATE OF TEXAS OR ANY OTHER STATUTES ENACTED BY THE STATE CONCERNING CONDOMINIUMS.
9. FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY, A R.O.W. EXCAVATION PERMIT IS REQUIRED.

COMPARABILITY:

1. HIGHLY REFLECTIVE MATERIALS WILL NOT BE USED. MATERIALS MAY NOT EXCEED 20% REFLECTIVITY. THIS REQUIREMENT SHALL NOT APPLY TO SOLAR PANELS OR TO COPPER OR PAINTED METAL ROOFS.
2. THE NOISE LEVEL OF MECHANICAL EQUIPMENT WILL NOT EXCEED 70 D.B.A. AT THE PROPERTY LINE ADJACENT TO RESIDENTIAL USES.
3. ALL EXTERIOR LIGHTING SHALL BE HOODED OR SHIELDED FROM THE VIEW OF ADJACENT RESIDENTIAL USES, OR PROPERTY ZONED RESIDENTIAL.
4. EXTERIOR LIGHTING ABOVE THE SECOND FLOOR IS PROHIBITED WHEN ADJACENT TO RESIDENTIAL PROPERTY.
5. ALL DUMPSTERS AND ANY PERMANENTLY PLACED REFUSE RECEPTACLES WILL BE LOCATED AT A MINIMUM OF TWENTY (20) FEET FROM A PROPERTY USED OR ZONED AS SF-5 OR MORE RESTRICTIVE.

FIRE DEPARTMENT:

1. THE AUSTIN FIRE DEPARTMENT REQUIRES ASPHALT OR CONCRETE PAVEMENT PRIOR TO CONSTRUCTION AS AN "ALL-WEATHER DRIVING SURFACE."
2. HYDRANTS MUST BE INSTALLED WITH THE CENTER OF THE FOUR-INCH OPENING AT LEAST 18 INCHES ABOVE FINISHED GRADE. THE FOUR-INCH OPENING MUST FACE THE DRIVEWAY OR STREET WITH THREE- TO SIX-FOOT SETBACKS FROM THE CURBLINE(S). NO OBSTRUCTION IS ALLOWED WITHIN THREE FEET OF ANY HYDRANT AND THE FOUR-INCH OPENING MUST BE TOTALLY UNOBSTRUCTED FROM THE STREET.
3. TIMING OF INSTALLATION: WHEN FIRE PROTECTION FACILITIES ARE INSTALLED BY THE DEVELOPER, SUCH FACILITIES SHALL INCLUDE ALL SURFACE ACCESS ROADS WHICH SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION. WHERE ALTERNATIVE METHODS OF PROTECTION, AS APPROVED BY THE FIRE CHIEF, ARE PROVIDED, THE ABOVE MAY BE MODIFIED OR WAIVED.
4. ALL PERVIOUS/DECORATIVE PAVING SHALL BE ENGINEERED AND INSTALLED FOR 80,000 LB. LIVE-VEHICLE LOADS. ANY PERVIOUS/DECORATIVE PAVING WITHIN 100 FEET OF ANY BUILDING MUST BE APPROVED BY THE FIRE DEPARTMENT.
5. COMMERCIAL DUMPSTERS AND CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN TEN FEET OF OPENINGS, COMBUSTIBLE WALLS, OR COMBUSTIBLE EAVE LINES.
6. CITY OF AUSTIN CONSOLIDATED SITE PLAN APPLICATION INSTRUCTIONS REV. 7/19/2016 | PAGE 30 OF 39
7. FIRE LANES DESIGNATED ON SITE PLAN SHALL BE REGISTERED WITH CITY OF AUSTIN FIRE MARSHAL'S OFFICE AND INSPECTED FOR FINAL APPROVAL.
8. VERTICAL CLEARANCE REQUIRED FOR FIRE APPARATUS IS 14 FEET FOR FULL WIDTH OF ACCESS DRIVE.

GENERAL CONSTRUCTION NOTES:

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.
3. CONTRACTOR SHALL NOTIFY THE CITY OF AUSTIN - SITE & SUBDIVISION DIVISION TO SUBMIT REQUIRED DOCUMENTATION, PAY CONSTRUCTION INSPECTION FEES, AND TO SCHEDULE THE REQUIRED SITE AND SUBDIVISION PRE-CONSTRUCTION MEETING. THIS MEETING MUST BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE R.O.W. OR PUBLIC EASEMENTS. PLEASE VISIT [HTTP://AUSTINTEXAS.GOV/PAGE/COMMERCIAL-SITE-AND-SUBDIVISION-INSPECTIONS](http://austintexas.gov/page/commercial-site-and-subdivision-inspections) FOR A LIST OF SUBMITTAL REQUIREMENTS, INFORMATION CONCERNING FEES, AND CONTACT INFORMATION.
4. FOR SLOPES OR TRENCHES GREATER THAN FIVE FEET IN DEPTH, A NOTE MUST BE ADDED STATING: "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION." (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 EAST 6TH STREET, AUSTIN TEXAS.)
5. ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS.
6. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS AND PRIOR TO THE FOLLOWING, THE ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE, FILTRATION AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS:
 - RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT (INSIDE THE CITY LIMITS); OR INSTALLATION OF AN ELECTRIC OR WATER METER IN THE FIVE-MILE ETJ)

DEVELOPER INFORMATION:

CITY OF AUSTIN
OWNER _____ PHONE # _____
505 BARTON SPRINGS ROAD, STE 900, AUSTIN TX 78767
OWNER ADDRESS _____
CHARLOTTE TONSOR 512-974-1618
OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS
PHONE # _____

PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE _____ PHONE # _____
PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE _____ PHONE # _____

AMERICANS WITH DISABILITIES ACT:

THE CITY OF AUSTIN HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

APPENDIX P-1 – EROSION CONTROL NOTES (CITY OF AUSTIN)

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTIVE FENCING, AND PERMANENT VEGETATIVE STABILIZATION. "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR TPODES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING.
3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTION MEASURES AND "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE DEVELOPMENT SERVICES DEPARTMENT, 512-974-2278 OR BY EMAIL AT ENVIRONMENTAL.INSPECTIONS@AUSTINTEXAS.GOV, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPODES REQUIRED SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR AT THIS TIME.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCING FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED COA STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR THAT IS LICENSED ENGINEER (OR PERSON DIRECTLY SUPERVISED BY THE LICENSED ENGINEER) OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC OR CPESC - IT), CERTIFIED EROSION, SEDIMENT AND STORMWATER - INSPECTOR (CESSWI OR CESSWI - IT) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISED OR CISED - IT) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY OR BI-WEEKLY INTERVALS AND AFTER ONE-HALF (½) INCH OR GREATER RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES OR ONE-THIRD (⅓) OF THE INSTALLED HEIGHT OF THE CONTROL WHICHEVER IS LESS.
7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CHANNELS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED DEBRIS REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS: ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION.
9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW.
 - A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 6015.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
 - TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARDS SET FORTH IN 6015.
 - AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 6015 BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED.
 - SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.

THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:
TEMPORARY VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH HULLED BERMU DA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMU DA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEM 6045 OR 6095.
- A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 6065, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.
- B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
- C. WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION. STAND PLANTING PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.
- D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 ½ INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
- E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 6045 AND 6095.

11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE DEVELOPMENT SERVICES DEPARTMENT AT 512-974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.

TEMPORARY VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRASS (SECALE CEREALE) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT INCLUDE ANNUAL RYEGRASS (LOLIUM PERENNIS) OR PERENNIAL RYEGRASS (LOLIUM PERENNIS). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMU DA AT A RATE OF 45 POUNDS PER ACRE OR NATIVE PLANT SEED MIX CONFORMING TO ITEM 6045 OR 6095.
- A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 6065, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SOIL PLANT GROWTH OR DORMANT. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER QUALITY ZONE.
- B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
- C. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 ½ INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
- D. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATION 6045 OR 6095.

TABLE 1: HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
100% OR ANY BLEND OF WOOD CELLULOSE, STRAW, AND/OR COTTON FIBER (EXCEPT NO MULCH SHALL EXCEED 50% PAPER)	70% OR GREATER OF ORGANIC FIBERS OR NATURAL FIBERS	6-8 MONTHS	MODERATE SLOPES: FROM FLAT TO 3:1	1500 TO 2000 LBS PER ACRE

APPENDIX P-1 – EROSION CONTROL NOTES CONTINUED (CITY OF AUSTIN)

- PERMANENT VEGETATIVE STABILIZATION:
7. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (½) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMU DA GRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED TYPICALLY REQUIRES SOIL TEMPERATURES OF 60 TO 70 DEGREES.
 8. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMU DA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMU DA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEM 6045 OR 6095.
 - A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 6065, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.
 - B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
 - C. WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION. STAND PLANTING PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.
 - D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 ½ INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
 - E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 6045 AND 6095.

TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
BONDED FIBER MATRIX (BFM)	80% ORGANIC CELLULOSE FIBERS	6 MONTHS	ON SLOPES UP TO 2:1 AND EROSION SOIL CONDITIONS	2500 TO 4000 LBS PER ACRE (SEE FERTILIZER RECOMMENDATIONS)
FIBER REINFORCED MATRIX (FRM)	65% ORGANIC CELLULOSE FIBERS 25% REINFORCING FIBERS OR LESS 10% TACKIFIER	UP TO 12 MONTHS	ON SLOPES UP TO 1:1 AND EROSION SOIL CONDITIONS	3000 TO 4500 LBS PER ACRE (SEE MANUFACTURER'S RECOMMENDATIONS)

10. DEVELOPER INFORMATION:

OWNER CITY OF AUSTIN
PHONE # (512) 974-1618
OWNER'S ADDRESS 505 BARTON SPRINGS ROAD, STE 900, AUSTIN TX 78767
OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS: CHARLOTTE TONSOR
PHONE # (512) 974-1618
PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE: _____
PHONE # _____
PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE: _____
PHONE # _____

11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE DEVELOPMENT SERVICES DEPARTMENT AT 512-974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.

APPENDIX P-6 – REMEDIAL TREE CARE NOTES AERATION AND SUPPLEMENTAL NUTRIENT REQUIREMENTS FOR TREES WITH CONSTRUCTION AREAS

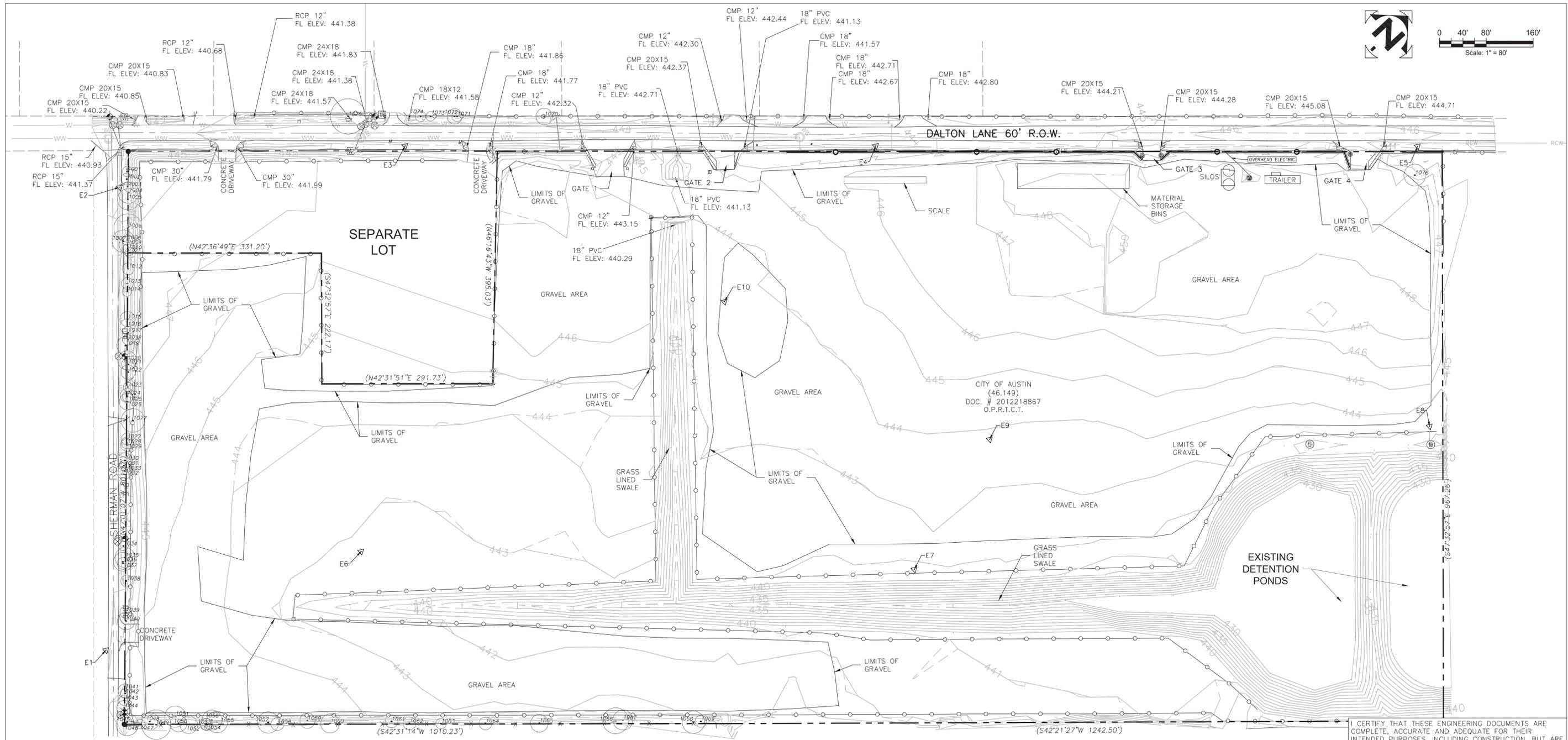
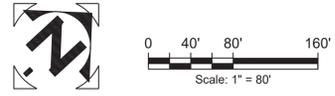
AS A COMPONENT OF AN EFFECTIVE REMEDIAL TREE CARE PROGRAM PER ENVIRONMENTAL CRITERIA MANUAL SECTION 3.5.4, MATURE TREES WITHIN THE LIMITS OF CONSTRUCTION MAY REQUIRE SOIL AERATION AND SUPPLEMENTAL NUTRIENTS. SOIL AND/OR FOLIAR ANALYSIS SHOULD BE USED TO DETERMINE THE NEED FOR SUPPLEMENTAL NUTRIENTS. THE CITY ARBORIST MAY REQUIRE THESE ANALYSES AS PART OF A COMPREHENSIVE TREE CARE PLAN. SOIL PH SHALL BE CONSIDERED WHEN DETERMINING THE FERTILIZATION COMPOSITION AS SOIL PH INFLUENCES THE TREE'S ABILITY TO UPTAKE NUTRIENTS FROM THE SOIL. IF ANALYSES INDICATE THE NEED FOR SUPPLEMENTAL NUTRIENTS, THAT ARE HIGHLY RECOMMENDED. IN ADDITION, SOIL ANALYSIS MAY BE NEEDED TO DETERMINE IF ORGANIC MATERIAL OR BENEFICIAL MICROORGANISMS ARE NEEDED TO IMPROVE SOIL HEALTH. MATERIALS AND METHODS ARE TO BE APPROVED BY THE CITY ARBORIST (512-974-1876) PRIOR TO APPLICATION. THE OWNER OR GENERAL CONTRACTOR SHALL SELECT A FERTILIZATION CONTRACTOR AND INSURE COORDINATION WITH THE CITY ARBORIST.

PRE-CONSTRUCTION TREATMENT SHOULD BE APPLIED IN THE APPROPRIATE SEASON, IDEALLY THE SEASON PRECEDING THE PROPOSED CONSTRUCTION. MINIMALLY, AREAS TO BE TREATED INCLUDE THE ENTIRE CRITICAL ROOT ZONE OF TREES AS DEPICTED ON THE CITY APPROVED PLANS. TREATMENT SHOULD INCLUDE, BUT NOT LIMITED TO, FERTILIZATION, SOIL TREATMENT, MULCHING, AND PROPER PRUNING.

POST-CONSTRUCTION TREATMENT SHOULD OCCUR DURING FINAL REVEGETATION OR AS DETERMINED BY A QUALIFIED ARBORIST AFTER CONSTRUCTION. CONSTRUCTION ACTIVITIES OFTEN RESULT IN A REDUCTION IN SOIL MACRO AND MICRO PORES AND AN INCREASE IN SOIL BULK DENSITY, TO AMELIORATE THE DEGRADED SOIL CONDITIONS, AERATION VIA WATER AND/OR AIR INJECTED INTO THE SOIL IS NEEDED OR BY OTHER METHODS AS APPROVED BY THE CITY ARBORIST. THE PROPOSED NUTRIENT MIX SPECIFICATIONS AND SOIL AND/OR FOLIAR ANALYSIS RESULTS NEED TO BE PROVIDED TO AND APPROVED BY THE CITY ARBORIST PRIOR TO APPLICATION (FAX # 512-974-3010). CONSTRUCTION WHICH WILL BE COMPLETED IN LESS THAN 90 DAYS MAY USE MATERIALS AT ½ RECOMMENDED RATES. ALTERNATIVE ORGANIC FERTILIZER MATERIALS ARE ACCEPTABLE WHEN APPROVED BY THE CITY ARBORIST. WITHIN 7 DAYS AFTER FERTILIZATION IS PERFORMED, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE WORK PERFORMED TO THE CITY ARBORIST. PLANNING AND DEVELOPMENT REVIEW DEPARTMENT, P.O. BOX 1088, AUSTIN, TX 78767. THIS NOTE SHOULD BE REFERENCED AS ITEM #1 IN THE SEQUENCE OF CONSTRUCTION.

APPENDIX P-2: – CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.
3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE). FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
 - A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
 - B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST;
 - C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
 - D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
 - A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED;
 - B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZED ROOT DAMAGE);
 - C. WHERE TREES ARE CLOSE TO



I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 17 OF 30
 FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
 APPROVED BY COMMISSION ON UNDER SECTION OF
 CHAPTER OF THE CITY OF AUSTIN CODE.
 EXPIRATION DATE(25-5-81, LDC) CASE MANAGER -Lynda Courtney
 PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ_X

Director, Planning and Development Review Department
 RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
 Rev. 1 Correction 1
 Rev. 2 Correction 2
 Rev. 3 Correction 3
 Final Plat must be recorded by the Project Expiration Date, if applicable.
 Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

CONTROL POINTS
 Horizontal - Texas State Plane, Central Zone, Grid Coordinates
 Vertical - NAVD88 Datum from City of Austin Monument M-18-2001

Point	Northing	Eastng	Elevation	Description
E1	10056829.22	3137962.77	441.49	1/2" IRON ROD LSI CAP
E2	10057378.91	3137399.57	442.20	1/2" IRON ROD LSI CAP
E3	10057785.34	3137677.77	442.44	1/2" IRON ROD LSI CAP
E4	10058376.90	3138222.08	442.93	1/2" IRON ROD LSI CAP
E5	10059057.55	3138849.01	444.49	1/2" IRON ROD LSI CAP
E6	10057263.27	3138134.16	442.82	1/2" IRON ROD LSI CAP
E7	10057938.18	3138796.39	441.62	1/2" IRON ROD LSI CAP
E8	10058750.36	3139213.18	443.45	1/2" IRON ROD LSI CAP
E9	10058182.46	3138720.81	443.82	1/2" IRON ROD LSI CAP
E10	10058007.43	3138241.82	443.68	1/2" IRON ROD LSI CAP

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 6 SURVEY. HORIZONTAL COORDINATES BASIS: TEXAS CENTRAL ZONE 4203 STATE PLANE GRID, DERIVED FROM VRS COORDINATES PROVIDED BY THE TEXAS COOPERATIVE NETWORK REFERENCE STATIONS. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM 88 (NAVD88), CITY OF AUSTIN MONUMENT REFERENCE NO. M-18-2001, ELEV: 441.64

SOURCE OF SURVEY: CITY OF AUSTIN

NOTE: TREE 1076 IS THE ONLY TREE WITHIN THE LIMITS OF CONSTRUCTION

TAG NO	TREE TYPE	SIZE	TAG NO	TREE TYPE	SIZE
1001	HACKBERRY	9	1026	HACKBERRY	14
1002	HACKBERRY	10	1027	HACKBERRY	10
1003	HACKBERRY	8	1028	HACKBERRY	10
1004	HACKBERRY	18 MULTI (14,7)	1029	HACKBERRY	11
1005	HACKBERRY	18 MULTI (14,8)	1030	HACKBERRY	13
1006	HACKBERRY	24 MULTI (20,8)	1031	HACKBERRY	9
1007	HACKBERRY	19	1032	HACKBERRY	14
1008	HACKBERRY	9	1033	HACKBERRY	9
1009	HACKBERRY	15 MULTI (11,7)	1034	HACKBERRY	8
1010	HACKBERRY	10	1035	MESQUITE	17 MULTI (9,8,7)
1011	CHINA BERRY	9	1036	HACKBERRY	16
1012	HACKBERRY	10	1037	HACKBERRY	10
1013	HACKBERRY	10	1038	HACKBERRY	10
1014	HACKBERRY	8	1039	HACKBERRY	10
1015	HACKBERRY	13	1040	HACKBERRY	15 MULTI (8,8,6)
1016	HACKBERRY	13 MULTI (10,6)	1041	HACKBERRY	12
1017	HACKBERRY	10	1042	HACKBERRY	8
1018	HACKBERRY	9	1043	MESQUITE	9
1019	HACKBERRY	15	1044	HACKBERRY	13 MULTI (9,8)
1020	HACKBERRY	16 MULTI (10,7,4)	1045	HACKBERRY	8
1021	HACKBERRY	11	1046	HACKBERRY	19
1022	HACKBERRY	12	1047	HACKBERRY	8
1023	HACKBERRY	8	1048	HACKBERRY	15 MULTI (10,6,4)
1024	HACKBERRY	12	1049	HACKBERRY	25 MULTI (20,10)
1025	HACKBERRY	9	1050	HACKBERRY	14 MULTI (11,6)
1051	HACKBERRY	18 MULTI (15,5)			
1052	HACKBERRY	15			
1053	HACKBERRY	10			
1054	HACKBERRY	10			
1055	HACKBERRY	18 MULTI (11,7,7)			
1056	MESQUITE	17			
1057	HACKBERRY	18 MULTI (10,8,8)			
1058	HACKBERRY	11			
1059	CHINA BERRY	13 MULTI (10,6)			
1060	HACKBERRY	16			
1061	HACKBERRY	11			
1062	HACKBERRY	11 MULTI (8,5)			
1063	MESQUITE	9			
1064	HACKBERRY	11			
1065	HACKBERRY	15 MULTI (12,6)			
1066	CHINA BERRY	22 MULTI (16,12)			
1067	HACKBERRY	17			
1068	HACKBERRY	19 MULTI (11,9,6)			
1069	LIVE OAK	10			
1070	CEDER	14			
1071	HACKBERRY	9			
1072	HACKBERRY	13			
1073	HACKBERRY	8			
1074	HACKBERRY	9			
1075	HACKBERRY	30 MULTI (17,14,12)			
1076	ARIZONA ASH	18,5			
1077	HACKBERRY	20			

LEGEND

- △ CONTROL POINT
- 1/2" IRON REBAR FOUND (unless noted otherwise)
- COTTON SPINDLE FOUND
- ▲ NAIL FOUND
- IRON PIPE FOUND (SIZE NOTED)
- DOWN GUY
- OVERHEAD ELECTRIC LINE
- WATER MANHOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTE WATER MANHOLE
- WASTE WATER CLEANOUT
- STORM SEWER MANHOLE
- TELEPHONE JUNCTION BOX
- UNDERGROUND TELEPHONE MARKER
- NON-HIGHWAY SIGN POST
- MAILBOX
- TREE TAG NUMBER
- WIRE FENCE
- WOOD PRIVACY FENCE
- CHAIN LINK FENCE
- OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS

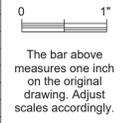


100% CONSTRUCTION DOCUMENTS
 02/14/2020

305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
 TBPE FIRM REGISTRATION NO.: F-1416
 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	

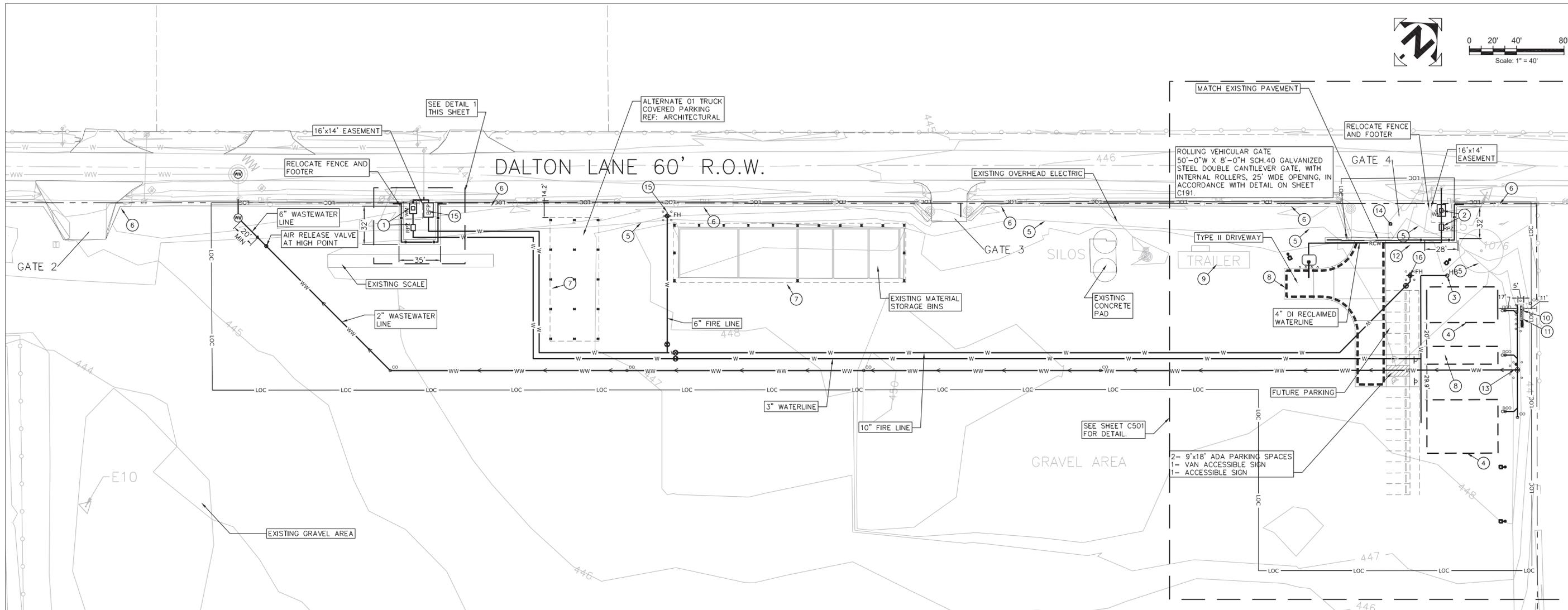


EXISTING CONDITIONS
 DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
 AUSTIN, TX 78742

PLOTTED: 5/20/2020
 JOB NO: 023-89A
C010
 17 OF 30



0 20' 40' 80'
Scale: 1" = 40'



NOTES:

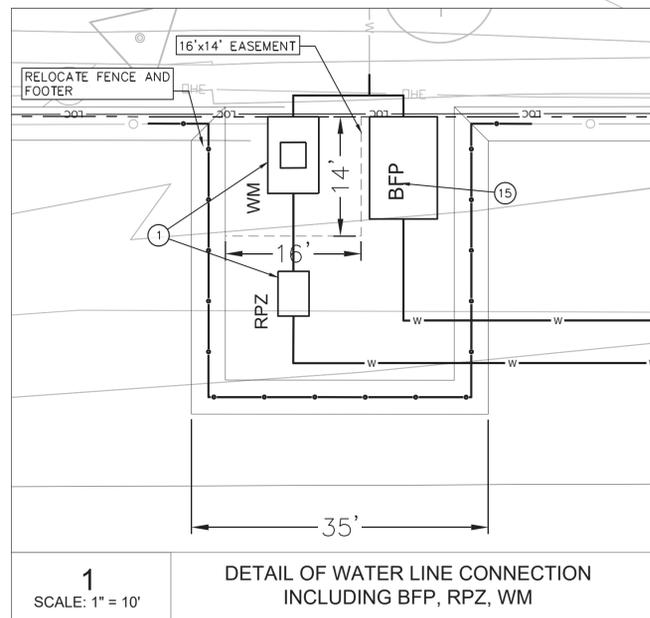
1. ALL PARKING LOT AND ROADWAY DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
2. PROPOSED FIRE LANE DESIGNATION IS SHOWN FOR ILLUSTRATION PURPOSES ONLY. EXISTING COMPACTED BASE MATERIAL TO BE UTILIZED AS FIRE LANE. SIGNAGE PROPOSED ALONG FIRE LANE TO DISTINGUISH LIMITS OF FIRE LANE.

KEY NOTES:

- 1 3" POTABLE WATER METER/RPZ WITH BOLLARDS
- 2 3" RECLAIMED WATER METER/RPZ WITH BOLLARDS
- 3 HOSE BIBB WITH 12" CONCRETE POST
- 4 LOCATION OF FUTURE PORTABLE BUILDING
- 5 EXISTING EDGE OF GRAVEL
- 6 EDGE OF EXISTING CONCRETE FOOTING FOR FENCE (TYP)
- 7 BUILDING OVERHANG, REF ARCHITECT
- 8 TRUCK WATER FILLING STATION (DETAIL 1/C191)
- 9 TRAILER TO BE RELOCATED (BY OTHERS)
- 10 ELECTRICAL EQUIPMENT RACK. REFER TO DETAIL 1/E400 FOR MORE INFORMATION.
- 11 COMBINATION MOTOR STARTERS/DISCONNECT SWITCHES FOR GRINDER PUMPS ON UNISTRUT RACK.
- 12 PROVIDE MOTOR RATED SWITCH FOR MOTORIZED GATE OPENER.
- 13 WET WELL REF DETAIL ON C192
- 14 ROLLING VEHICLE GATE CONTROL BOX REF SHEET C191
- 15 10" DCDA BACK FLOW PREVENTER REF DET SHEET C191
- 16 FIRE HYDRANT

SITE/GEOMETRY LEGEND

- LOC LIMIT OF CONSTRUCTION
- PROPERTY LINE
- FIRE LANE DESIGNATION
- ADA ROUTE
- WM WATER METER
REF: COA DET. 520-AW-06
- BFP BFP WITH VAULT BOX
REF: COA DET. 520S-19C
- RPZ RPZ WITH WATER METER
REF: C191 DET. 3
- CHAIN LINK FENCE
- N: 0.00 NORTHING/EASTING
- E: 0.00
- p SIGN
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- S SILT FENCE
REF: COA DET. 642S-1



1
SCALE: 1" = 10'

DETAIL OF WATER LINE CONNECTION INCLUDING BFP, RPZ, WM

REVIEWED
June 12, 2020

Austin Water Utility
Roberto Chapa, P.E.

Water and wastewater upgrades to site utilities. Add private lift station and private fire hydrants. Add Water meters

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

DOMESTIC WATER METER REQUIRED FOR PROJECT	
USE: Domestic	TYPE Compound
SIZE 3 - inch	GPM 2-350
SERVICE UNITS 17.5- Service Units	

RECLAIM WATER METER REQUIRED	
USE: Irrigation/Truck	TYPE Turbine Class II
SIZE 3-inch	GPM 8-435
SERVICE UNITS 35 Service Unit	

SITE PLAN APPROVAL SHEET 18 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER - Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DOZ_X

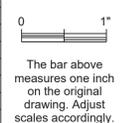
Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3
Final Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.



100% CONSTRUCTION DOCUMENTS
02/14/2020

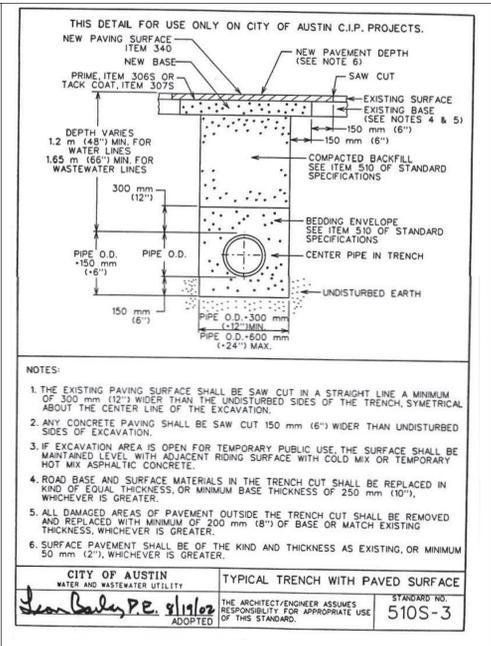
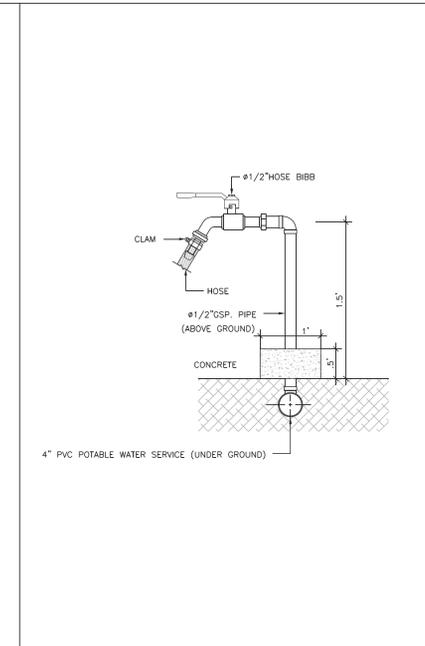
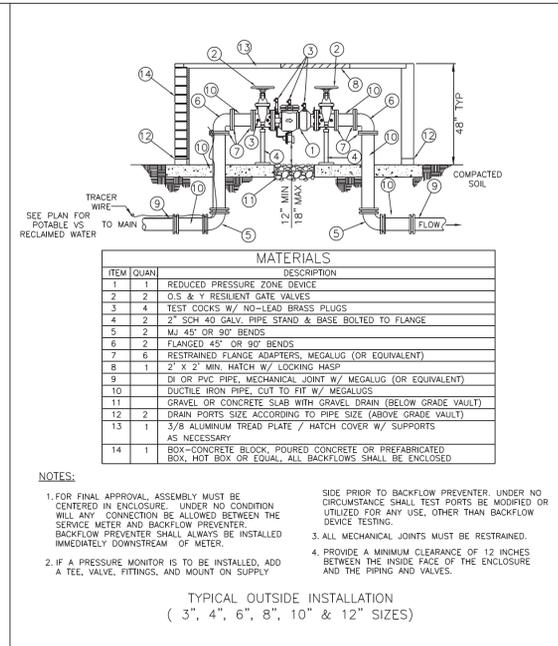
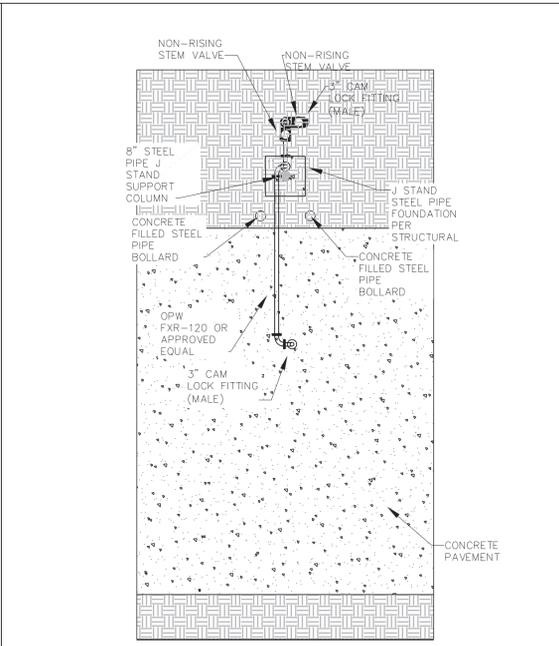
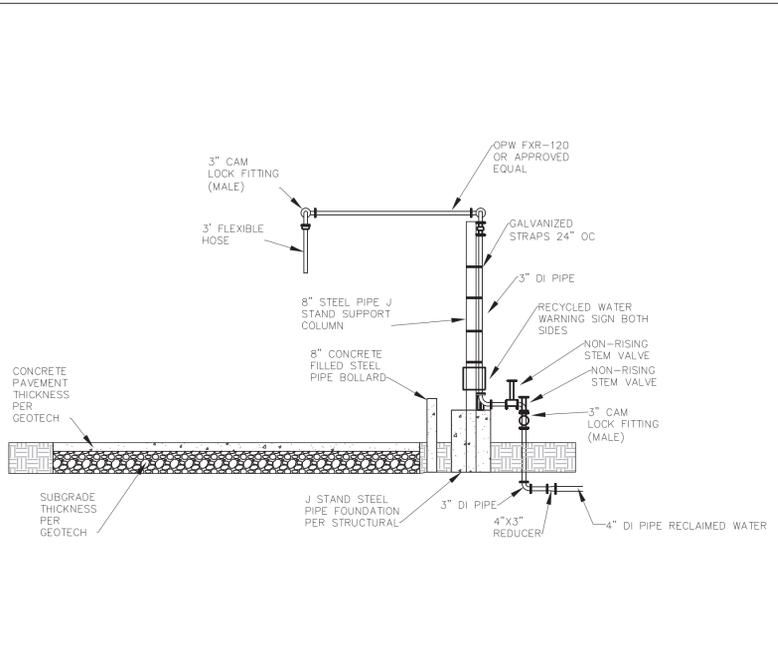
mwm Design Group
305 East Huntland Drive Suite 200 Austin, Texas 78752
p: 512.453.0767 f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	



CIVIL SITE PLAN
DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
AUSTIN, TX 78742

PLOTTED: 5/20/2020
JOB NO: 023-89A
C101
18 OF 30
ADDENDUM 01 - 08.24.2020

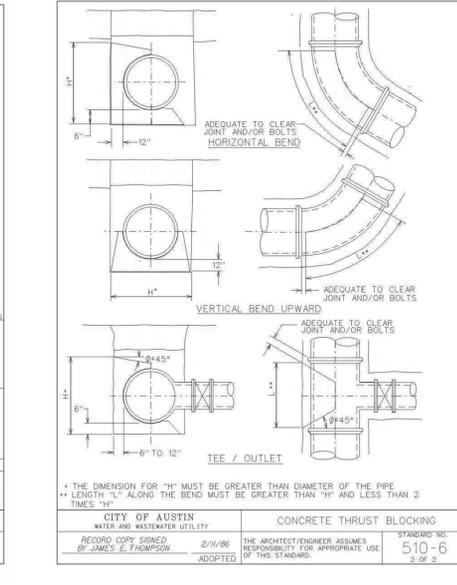
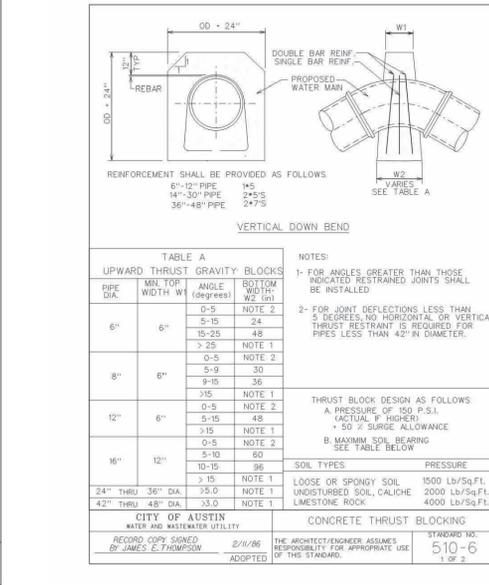
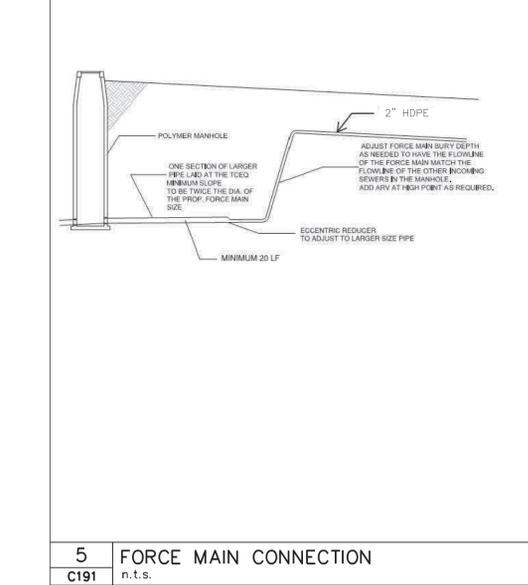


1 C191 FIXED WATER TRUCK FILLING STAND (J-STAND SECTION) N.T.S.

2 C191 FIXED WATER TRUCK FILLING STAND (J-STAND PLAN) n.t.s.

3 C191 n.t.s. REDUCED PRESSURE ZONE DEVICE FOR DOMESTIC SYSTEM (3" AND LARGER)

4 C191 HOSE BIBB DETAIL n.t.s.



Series 757DCDA, 757NDCDA Double Check Detector Assemblies
Size: 2 1/2" - 10"

Features:

- Extremely compact design
- 75% lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented tie-rod spring provides lowest pressure loss
- Unmatched ease of serviceability
- Available with grooved butterfly valve structure
- May be used for residential, vertical or horizontal installations
- Reusable check disc rubber

Specifications:

The Double Check Detector Assembly shall consist of two independent tie-rod check modules within a single housing, sleeve access port, four test cocks and two ring tight shut-off valves. Tie-rod checks shall be replaceable and serviceable, without the use of special tools. The housing shall be constructed of 304 Schedule 40 stainless steel pipe with grooves and connectors. Tie-rod checks shall have replaceable elastomer discs and in operation shall produce dry tight closure against reverse flow caused by backpressure or back-siphonage. The typical assembly shall consist of a meter, which registers in either gallon or cubic feet, equipped with a double check backflow preventer and required test cocks. Assembly shall be a Watts Series 757DCDA, 757NDCDA.

Available Models:

- 757DCDA - Flanged inlet gate connection and grooved outlet gate connection
- 757NDCDA - Grooved inlet gate connection and grooved outlet gate connection

Dimensions - Weight

Materials:

- Housing & Sleeve: 304 (Schedule 40) Stainless Steel
- Check Disc: 304 (Schedule 40) Stainless Steel
- Check Disc: 304 (Schedule 40) Stainless Steel
- Test Cocks: Lead Free* Bronze Body
- Flange & Fittings: 304 Series Stainless Steel
- Spring: Stainless Steel

Pressure - Temperature:

Temperature Range: 32°F - 140°F (0.5°C - 60°C)
Maximum Working Pressure: 175psi (12.1 bar)

Approvals:

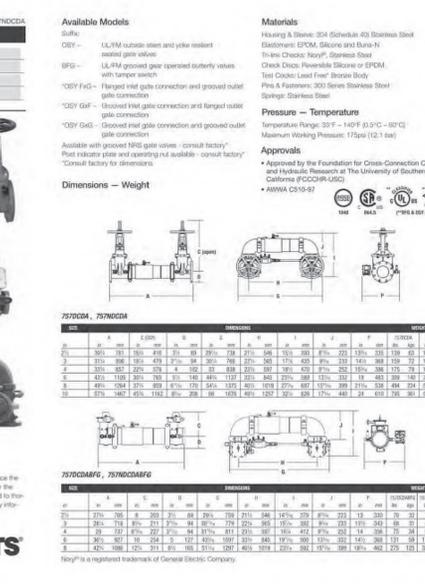
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at The University of Southern California (FCCCR-UGS)
- AWWA Manual M22 (Apparatus C) recommends that the maximum water velocity in service do not more than 10fps.

Capacity:

Flow capacity chart (relative valve performance based upon rated water velocity up to 25fps)

WARNING: This product is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

WATTS



I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 19 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE (25-5-81, LDC) CASE MANAGER Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ X

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING AV
Rev. 1 Correction 1 ZONING AV
Rev. 2 Correction 2
Rev. 3 Correction 3

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REVIEWED
June 12, 2020
Austin Water Utility
Roverta Chapa, P.E.

New Sheet add details for Water and wastewater upgrades to site utilities. Add private lift station and private fire hydrants.

4C

02/14/2020

100% CONSTRUCTION DOCUMENTS
02/14/2020

mwm Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

STATE OF TEXAS
COUNTY OF DALLAS
I, MATTHEW A. RECTOR, SR.,
REGISTERED PROFESSIONAL ENGINEER,
NO. 172861, DO HEREBY CERTIFY THAT THESE
ENGINEERING DOCUMENTS ARE COMPLETE,
ACCURATE AND ADEQUATE FOR THEIR
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PRIOR TO FORMAL CITY
APPROVAL.

NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	

0 1"
The bar above measures one inch on the original drawing. Adjust scales accordingly.

CIVIL CONSTRUCTION DETAILS

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS

AUSTIN, TX 78742

02/14/2020

100% CONSTRUCTION DOCUMENTS

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REVIEWED
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Roverta Chapa, P.E.

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4C

C191

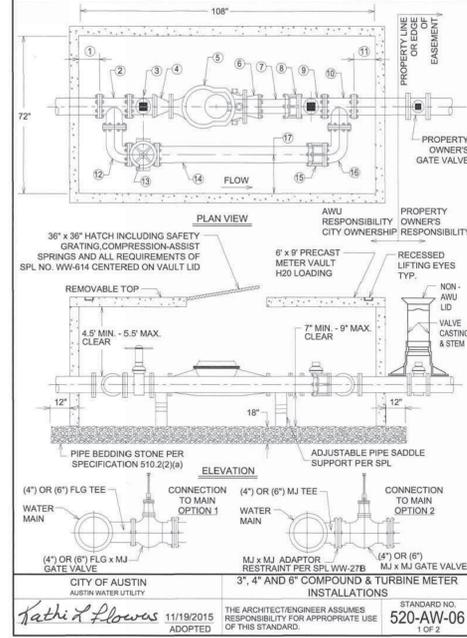
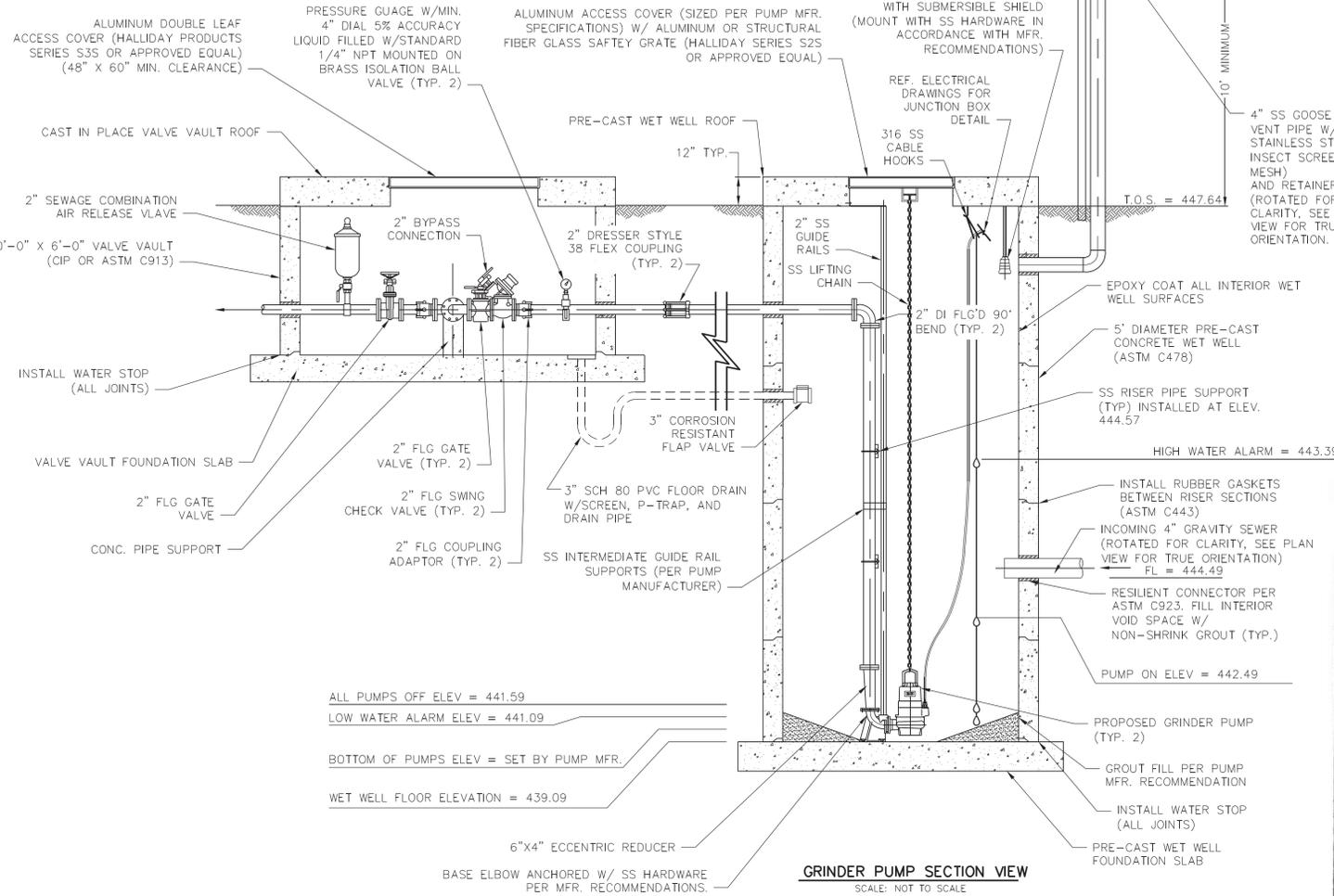
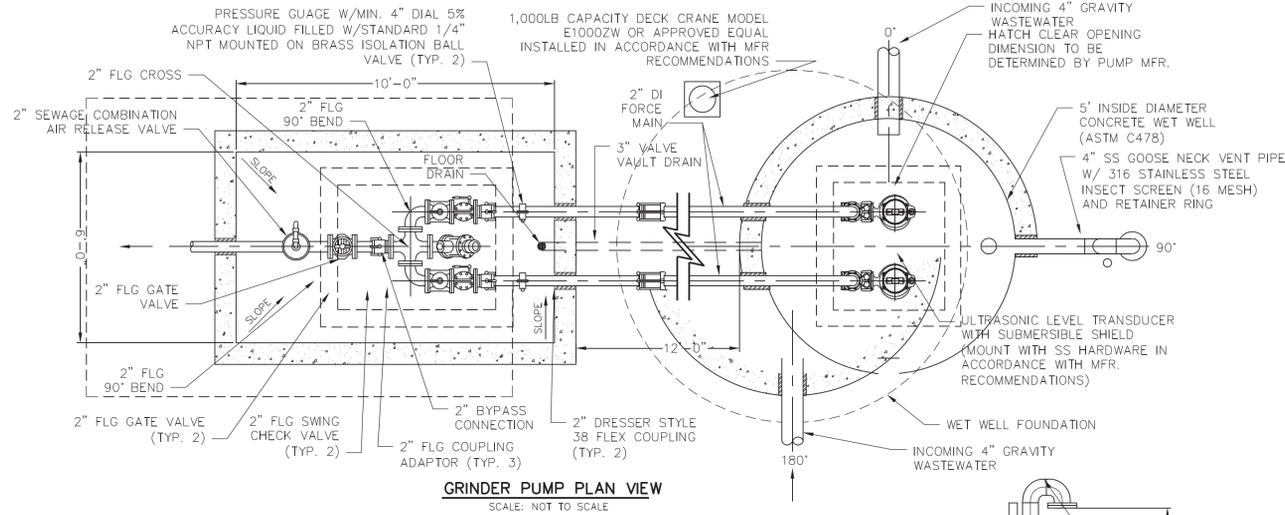
19 OF 30

ADDENDUM 01 - 08.24.2020

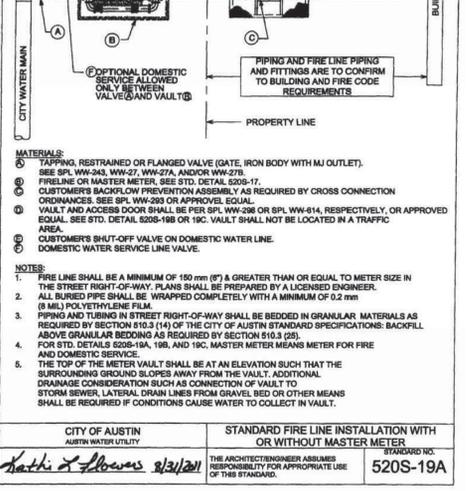
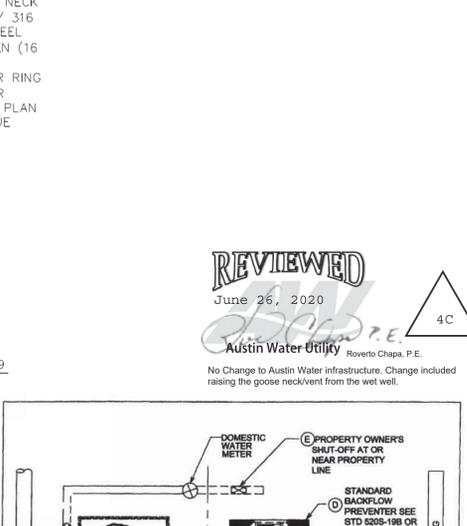
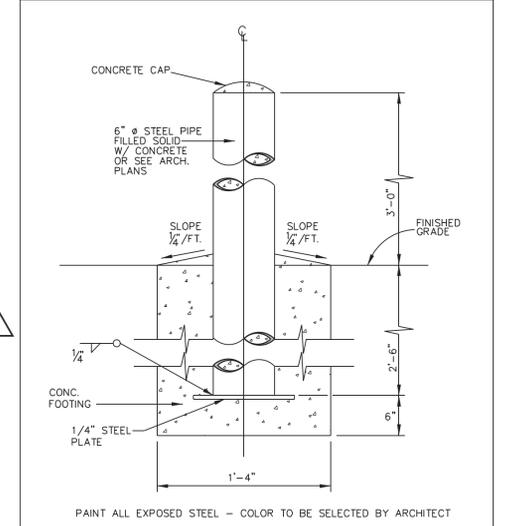
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LIFT STATION DESIGN INFORMATION	
PEAK DRY WEATHER FLOW (GPM)	35
PEAK WET WEATHER FLOW (DESIGN FLOW) (GPM)	37
WET WELL DIAMETER (FT)	5
ACTIVE VOLUME (GAL)	132
MINIMUM PUMP CYCLE TIME (MIN)	10
FORCE MAIN SIZE (IN)	2
FORCE MAIN LENGTH (LF)	1069.00
FLOW VELOCITY (FPS)	5.39

PUMP INFORMATION	
SERVICE	GRINDER PUMP
TYPE	SUBMERSIBLE
NUMBER OF PUMPS	2
RATED FLOW	52.8 GPM
HEAD (FT)	54.7
IMPELLER DIAMETER (IN)	5
MOTOR RATED POWER (HP)	2.7
MOTOR SPEED (RPM)	3,255
VOLTAGE (V)	208
MANUFACTURER MODEL	FLYGT MP 3069 HT 3 ~ 258 OR APPROVED EQUAL



LARGE METER INSTALLATIONS									
No.	METER LINE	1\"/>							
		1	CLEARANCE FROM VALVE WALL TO TEE	8"	8"	12"	12"	6"	6"
2	FLANGED TEE	13"	13"	13"	13"	16"	16"		
3	COA GATE VALVE SQUARE NUT	9"	9"	9"	9"	10 1/2"	10 1/2"		
4	3\"/>								



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SITE PLAN APPROVAL SHEET 20 OF 30
 FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
 APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
 EXPIRATION DATE(25-5-81, LDC) CASE MANAGER Lynda Courtney
 PROJECT EXPIRATION DATE (ORD. #970906-A) DWPZ DDZ X

Director, Planning and Development Review Department
 RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
 Rev. 1 _____ Correction 1
 Rev. 2 _____ Correction 2
 Rev. 3 _____ Correction 3

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100% CONSTRUCTION DOCUMENTS
 02/14/2020



NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	



CIVIL CONSTRUCTION DETAILS

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS

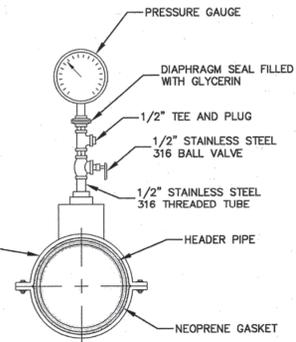
AUSTIN, TX 78742

PLOTTED: 6/22/2020
 JOB NO: 023-89A
C192
 20 OF 30

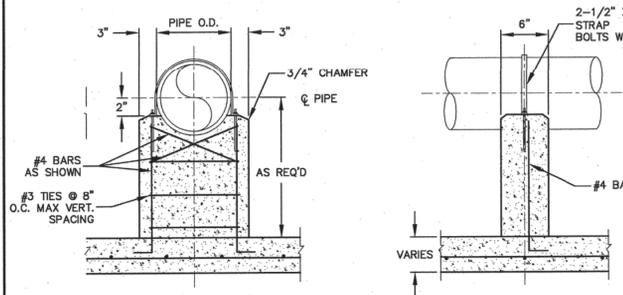
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KEY NOTES:

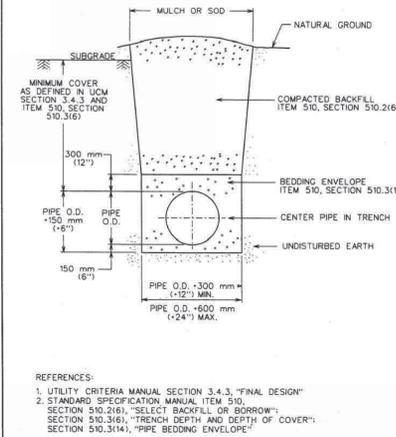
- PRESSURE GAUGE SHALL BE RATED FOR CORROSIVE SERVICE
- 4" DIAL SIZE
- GRADE 1A
- LIQUID FILLED
- TYPE 316 STAINLESS STEEL BOURDON TUBE
- FULL BLOWOUT PROTECTION
- GLASS SAFETY LENS
- PRESSURE RATING: -30 IHG TO 100 PSI



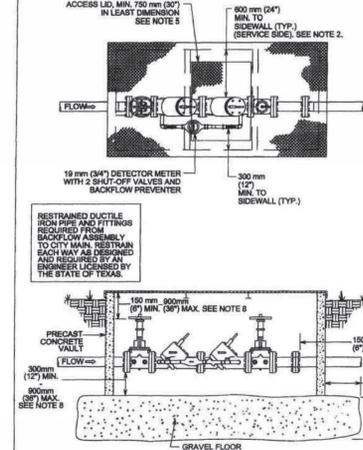
PRESSURE GAUGE INSTALLATION DETAIL
SCALE: N.T.S.



CONCRETE PIPE SUPPORT DETAIL
SCALE: N.T.S.



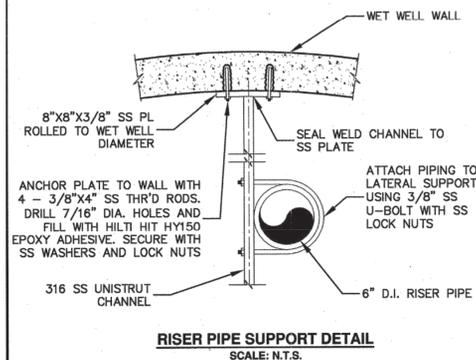
TYPICAL TRENCH DETAIL WITH FINISHED SURFACE
STANDARD NO. 510S-5



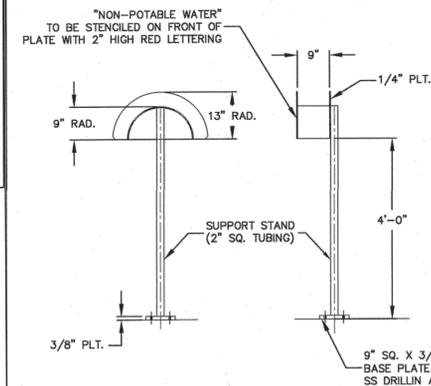
STANDARD FIRE LINE INSTALLATION WITHOUT MASTER METER
STANDARD NO. 520S-19C

- NOTES:**
- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL HAVE LAB AND FIELD APPROVAL FROM THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
 - ALL TEST PORTS SHALL BE DIRECTED UPWARD AND PLUGGED. TEST PORTS ARE LOCATED ON SERVICE SIDE. PLUGS SHALL BE NON-FERROUS.
 - BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED IN THE UPRIGHT HORIZONTAL POSITION, UNLESS OTHERWISE APPROVED. BACKFLOW PREVENTION ASSEMBLIES SHALL NOT BE ROTATED ON THEIR AXIS.
 - CLEARANCE SHALL BE AS INDICATED AND IN THE STANDARD CROSS CONNECTION ORDNANCES AND LCM.
 - ACCESS OPENING MUST BE LARGE ENOUGH TO REMOVE LARGEST PORTION OF BACKFLOW PREVENTER, BUT NOT LESS THAN 750 mm (30") IN LEAST DIMENSION.
 - TEST AND MAINTENANCE REPORT SHALL BE RECEIVED BY AUSTIN WATER UTILITY'S SPECIAL SERVICE DIVISION WITHIN 15 DAYS AFTER BEING INSTALLED.
 - VAULT SHALL NOT BE INSTALLED IN TRAFFIC AREA.
 - VAULT DEPTH MAY NOT EXCEED 1.8m (72"). BOTTOM OF LID TO TOP OF FLOOR.
 - HAND WHEELS SHALL BE HORIZONTALLY LOCATED WITHIN 300mm (12") OF ACCESS OPENING.
 - FOR ACCESS DOORS SEE SPL WW-614 OR APPROVED EQUAL (120 LBS LOADS REQUIRED).
 - FOR VAULT SEE SPL WW-296 OR APPROVED EQUAL (120 LBS LOADS REQUIRED).
 - VAULT PIPE WALL JOINTS SHALL BE SEALED WITH NON-SHRINK GROUT OR SEALANT PER SPL WW-16A OR APPROVED EQUAL.
 - THE TOP OF THE METER VAULT SHALL BE AT AN ELEVATION SUCH THAT THE SURROUNDING GROUND SLOPES AWAY FROM THE VAULT. ADDITIONAL DRAINAGE CONSIDERATION SUCH AS CONNECTION OF VAULT TO STORM SEWER, LATERAL DRAIN LINES FROM GRAVEL BED OR OTHER BEARS SHALL BE REQUIRED IF CONDITIONS CAUSE WATER TO COLLECT IN VAULT.

CITY OF AUSTIN WATER AND WASTEWATER UTILITY
STANDARD NO. 520S-19C



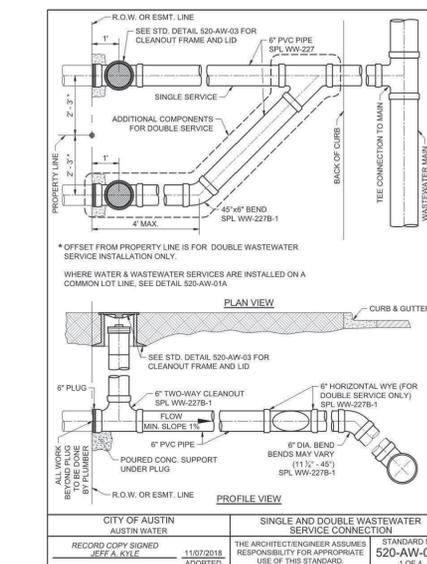
RISER PIPE SUPPORT DETAIL
SCALE: N.T.S.



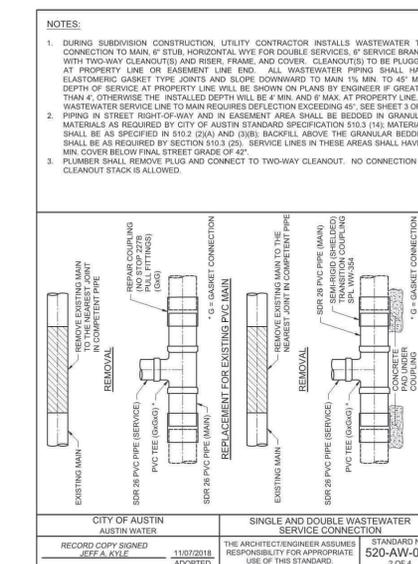
HOSE STATION DETAIL
SCALE: N.T.S.

NOTES:

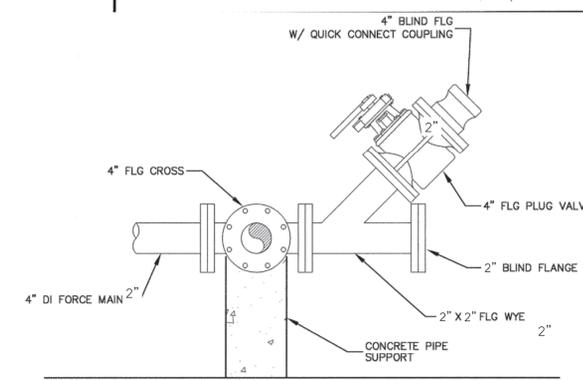
- CONTRACTOR TO FURNISH 50 FT. OF 1" INDUSTRIAL WATER HOSE AT EACH HOSE RACK STATION.
- HOSE RACK ASSEMBLY TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
- HANDRAIL MOUNT UNITS DO NOT REQUIRE SQUARE TUBING SUPPORTS BUT SHALL BE SECURED TO THE TOP RAIL OF THE HANDRAIL W/ TWO 1/2" STAINLESS STEEL U-BOLTS.
- CONCRETE WALL MOUNT UNITS DO NOT REQUIRE SQUARE TUBING SUPPORTS BUT SHALL BE SECURED TO THE CONCRETE WALL WITH A MINIMUM OF TWO (2) 1/2" DIAMETER x 4" LONG STAINLESS STEEL DRILL-IN ANCHORS.
- NON-POTABLE WATER TO BE STENCILED ON FRONT OF PLATE WITH 2" HIGH RED LETTERING.



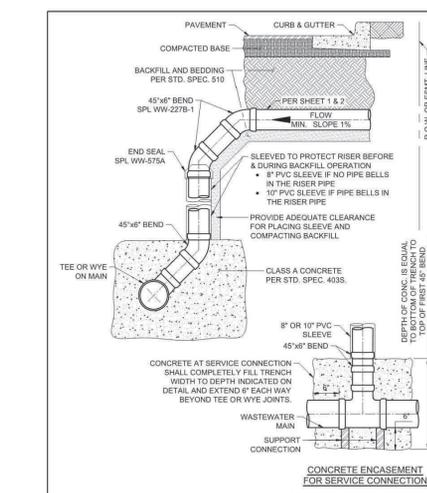
SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION
STANDARD NO. 520-AW-01C



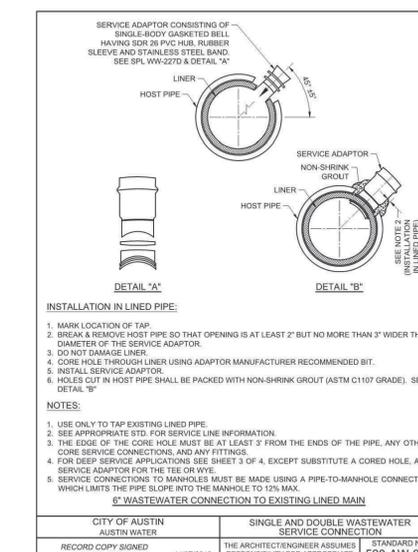
SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION
STANDARD NO. 520-AW-01C



BYPASS CONNECTION DETAIL
SCALE: N.T.S.



DEEP SERVICE CONNECTION
STANDARD NO. 520-AW-01C



SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION
STANDARD NO. 520-AW-01C



100% CONSTRUCTION DOCUMENTS
02/14/2020

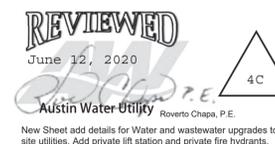
mwm Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION
1	02/25/2020	UTILITY IMPROVEMENTS AND P

The bar above measures one inch on the original drawing. Adjust scales accordingly.

CIVIL CONSTRUCTION DETAILS
DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
AUSTIN, TX 78742



NEW SHEET ADD DETAILS FOR WATER AND WASTEWATER UPGRADES TO SITE UTILITIES. ADD PRIVATE LIFT STATION AND PRIVATE FIRE HYDRANTS.

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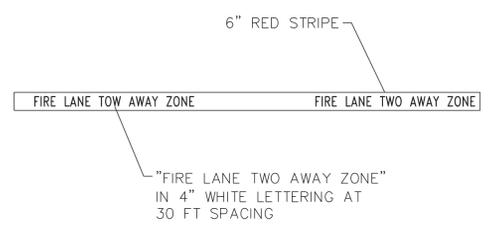
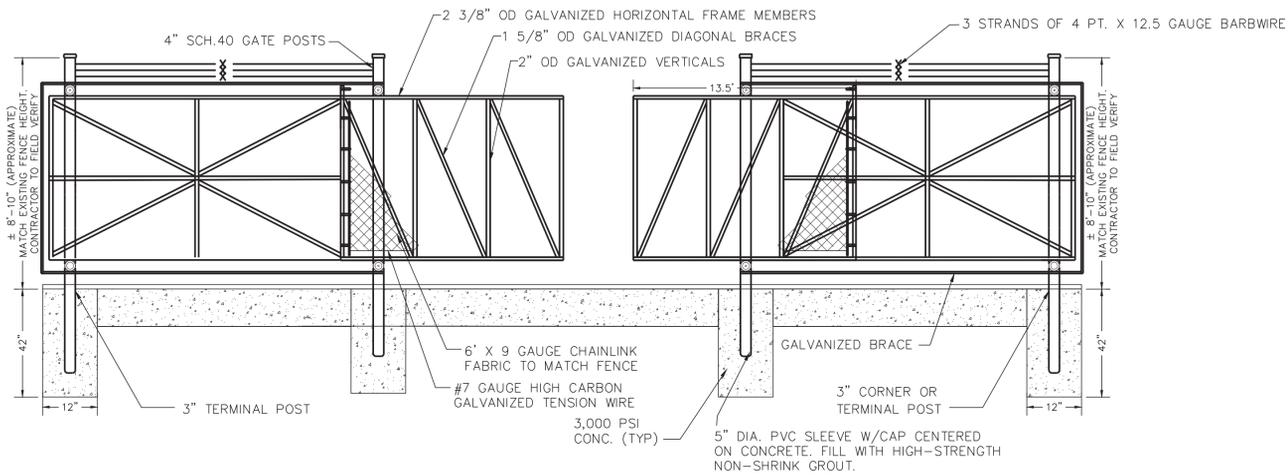
SITE PLAN APPROVAL SHEET 21 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DOZ X

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING AV
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

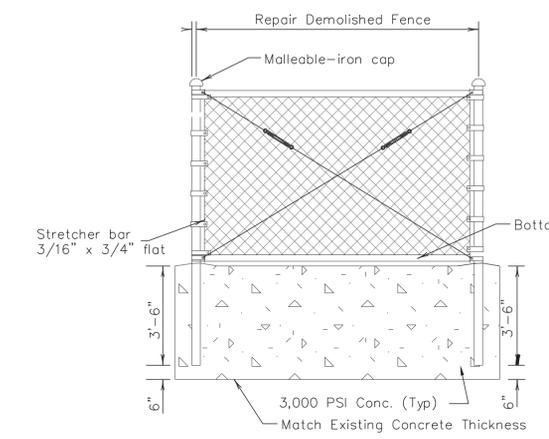
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PLOTTED: 5/20/2020
JOB NO: 023-89A
C193
21 OF 30



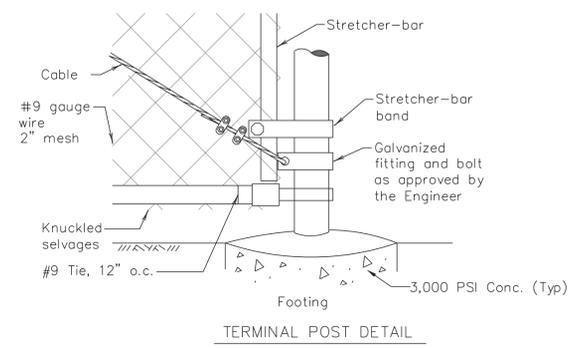
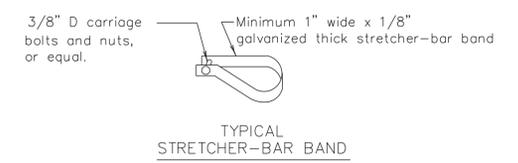
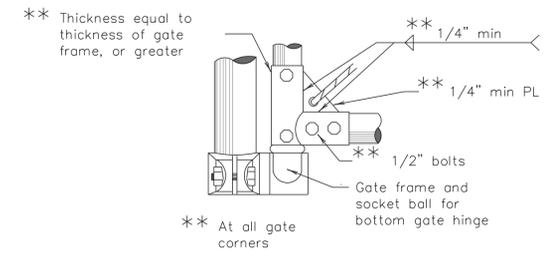
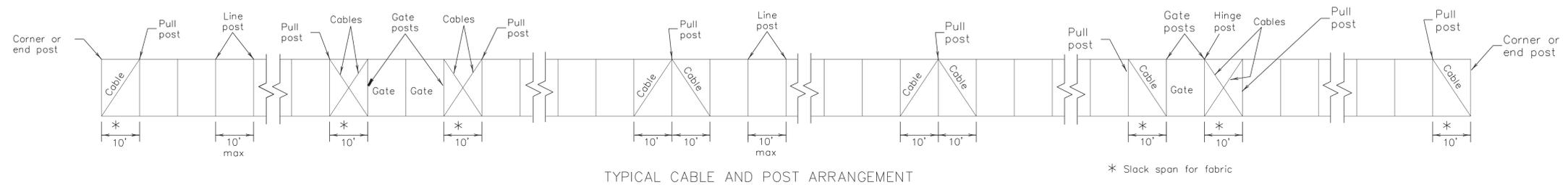
NOTES:
 1. STRIPING TO BE PAINTED ON THE FACE OF CURB WHEN PRESENT AND PAINTED FLAT ON THE PAVEMENT SURFACE WHEN IT IS NOT.



CHAIN-LINK BARRIER FENCE (4 FT.)
 Foundation designs shown are "minimums" for a 4 ft. fence. Taller fences may require larger foundation designs.

1 GATE FENCE DETAILS
 C194

2 TYPICAL FIRE LANE STRIPE DETAIL
 N.T.S.
 C194



Note:
 All concrete footings shall be crowned a minimum 1" above the existing ground.

GATE FRAME (WEIGHT)		GATE POST (WEIGHT)	
SIZE	WT./LIN. FT.	SIZE	WT./LIN. FT.
1 1/2" nom dia. or equal	2.72 Lbs.	2 1/2" nom dia. or equal	5.79 Lbs.
		3 1/2" nom dia. or equal	9.11 Lbs.
		6" nom dia.	18.97 Lbs.
		8" nom dia.	24.70 Lbs.

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SITE PLAN APPROVAL SHEET 22 OF 30
 FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
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 EXPIRATION DATE(25-5-81, LDC) CASE MANAGER Lynda Courtney
 PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ X

Director, Planning and Development Review Department
 RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
 Rev. 1 Correction 1
 Rev. 2 Correction 2
 Rev. 3 Correction 3

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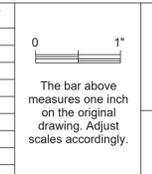
100% CONSTRUCTION DOCUMENTS
 02/14/2020

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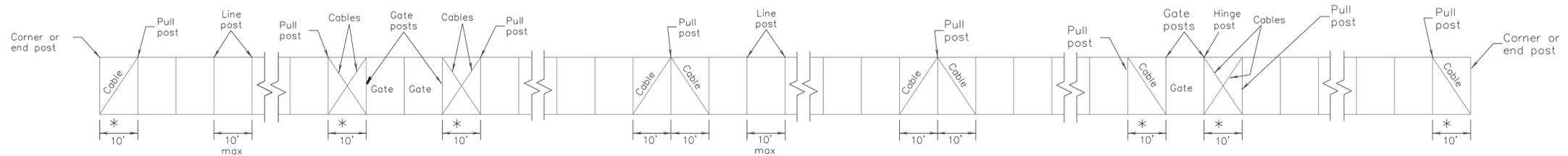
NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	



CIVIL CONSTRUCTION DETAILS

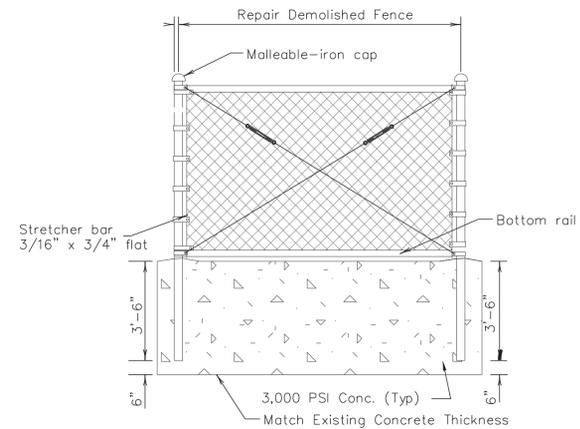
DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
 AUSTIN, TX 78742

PLOTTED: 5/20/2020
 JOB NO: 023-89A
C194
 22 OF 30 4C



TYPICAL CABLE AND POST ARRANGEMENT

* Slack span for fabric

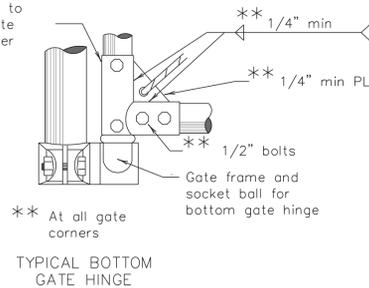


GENERAL NOTES

1. Fence fabric and all components are vinyl coated.
2. Reference plans for location of gates.
3. Gate-frame members shall be bolted, at frame corners, to joint fittings with four 1/2" bolts per joint.
4. All cable connections are to be made with two 3/8" galvanized cable clamps.
5. All pull posts and end posts and their foundations shall have the same respective dimensions as those shown for corner post.
6. All pull post shall be furnished with two stretcher bars.
7. One end of each turnbuckle may be attached directly to fittings with a clevis.
8. Concrete footings are to be crowned at the top to shed water.
9. Knuckled selvages, top and bottom of fence fabric

Note:
All concrete footings shall be crowned a minimum 1" above the existing ground.

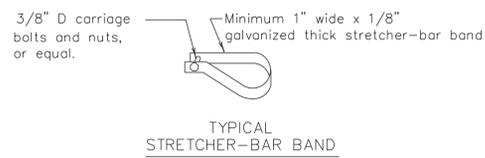
** Thickness equal to thickness of gate frame, or greater



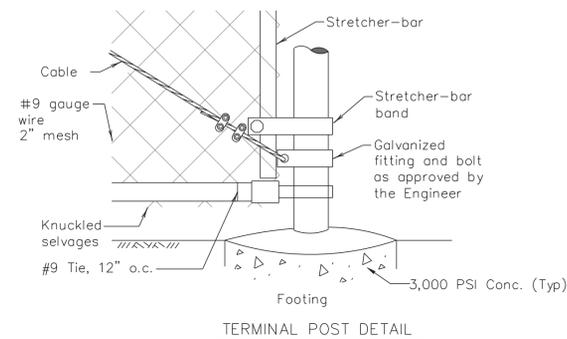
** At all gate corners
TYPICAL BOTTOM GATE HINGE

CHAIN-LINK BARRIER FENCE (4 FT.)

Foundation designs shown are "minimums" for a 4 ft. fence. Taller fences may require larger foundation designs.



TYPICAL STRETCHER-BAR BAND



TERMINAL POST DETAIL

GATE FRAME (WEIGHT)		GATE POST (WEIGHT)	
SIZE	WT./LIN. FT.	SIZE	WT./LIN. FT.
1 1/2" nom dia. or equal	2.72 Lbs.	2 1/2" nom dia. or equal	5.79 Lbs.
		3 1/2" nom dia. or equal	9.11 Lbs.
		6" nom dia.	18.97 Lbs.
		8" nom dia.	24.70 Lbs.

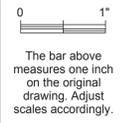


100% CONSTRUCTION DOCUMENTS
02/14/2020

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
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TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

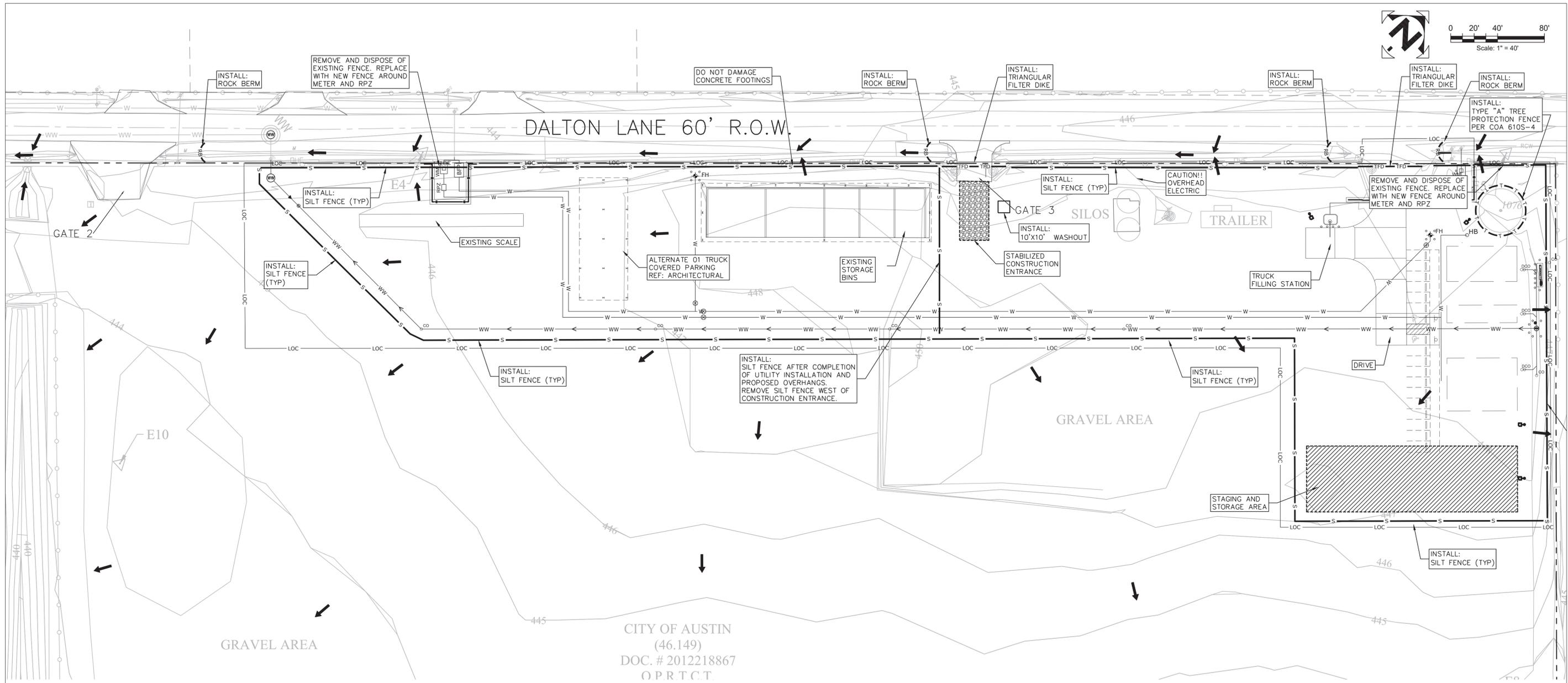
NO.	DATE	DESCRIPTION	BY



CIVIL CONSTRUCTION DETAILS
DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
AUSTIN, TX 78742

PLOTTED: 3/27/2020
JOB NO: 023-89A
C195

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CITY OF AUSTIN
(46.149)
DOC. # 2012218867
O.P.R.T.C.T

EROSION/SEDIMENTATION LEGEND

- SILT FENCE
REF: COA DET. 642S-1
- TREE PROTECTION FENCE
REF: COA DET. 610S-1, 610S-4
- REINFORCED ROCK BERM
REF: COA DET. 639S-1
- TRIANGULAR FILTER DIKE
REF: COA DET. 628S
- FLOW ARROW

NOTES:

1. CONTRACTOR TO ADJUST EROSION CONTROL AS REQUIRED FOR FIELD CONDITIONS TO MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS AND SWPPP.
2. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
3. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY.
4. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
5. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES (PER EGM 1.4.8.C.) DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
6. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION.

7. PRIOR TO EXCAVATION WITHIN TREE DRIP LINES, OR THE REMOVAL OF OTHER TREES THAT ARE TO REMAIN, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - A) IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING, AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH FOUR (4) INCHES OF ORGANIC MULCH TO BE PRODUCED ON SITE, TO MINIMIZE SOIL COMPACTION.
 - B) PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - C) WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY AS NECESSARY DURING PERIOD OF HOT, DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
 - D) WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
8. THE STAGING AND SPOILS AREA SHALL ONLY BE ALLOWED DURING THE CONSTRUCTION PERIOD. NO SPOILS SHALL REMAIN STAGED AFTER COMPLETION OF THE PROJECT.
9. ALL DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES (REFER TO NOTE SHEET FOR SPECS). ALL DISTURBED AREAS WITH SLOPES 5:1 OR STEEPER, WHICH ARE NOT ARMORED OTHERWISE, SHALL HAVE A SOIL RETENTION BLANKET (CURLX II OR APPROVED EQUAL) INSTALLED TO ASSIST WITH REVEGETATION.

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 23 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER -Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ_X

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3
Final Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.
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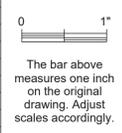


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TBAE FIRM REGISTRATION NO.: 1452
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NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	



EROSION AND SEDIMENTATION CONTROL PLAN

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS

AUSTIN, TX 78742

PLOTTED: 5/20/2020
JOB NO: 023-89A
C231
23 OF 30

LINEAR CONSTRUCTION THROUGH TREES

TREES IN PAVING AREA

NATURAL AREAS

TREES NEAR CONSTRUCTION ACTIVITY

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 610S-1

TREE PROTECTION FENCE LOCATIONS

TREE PROTECTION FENCE MODIFIED TYPE A - CHAIN LINK

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 610S-4

TRIANGULAR SEDIMENT FILTER DIKE

NOTE: FILTER FABRIC SHALL ENTIRELY COVER DIKE AND SKIRT.

INSTALLATION DETAIL OPTIONS:

- TOE-IN 150 mm (6") MINIMUM.
- WEIGHTED WITH 75 mm-125 mm (3"-5") OPEN.
- TRENCHED IN 100 mm (4").
- CONTINUOUS BACKING/PLANKS ON IMPERVIOUS SURFACES.

GENERAL NOTES:

- DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
- THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
- THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5") OPEN GRADED ROCK OR TOE-IN 150 mm (6") WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").
- DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE STAPLES ON 600 mm (24") CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING 10M (3/4") DIAMETER RE-BAR WITH TEE ENDS.
- FILTER MATERIAL SHALL BE LAPPED OVER ENDS 150 mm (6") TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
- THE DIKE STRUCTURE SHALL BE MW40-150 mm (6 GA. 6"X6") WIRE MESH, 450 mm (18") ON A SIDE.
- INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6") AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
- AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTE 8 ABOVE.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 628S

ROCK BERM

STANDARD SYMBOL FOR ROCK BERM (RB)

CROSS SECTION

NOTES:

- USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
- THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
- THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTATION PROBLEM.
- WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 639S-1

TRENCH CROSS SECTION

TRENCH PROFILE

STANDARD SYMBOL FOR SILT FENCE (SF)

1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 INCHES) DEPTH, USE STEEL POSTS.

2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A GRADE OR MECHANICAL TRENCHER, SO THAT THE DOWNLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.

3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 INCHES) DEEP AND 150 mm (6 INCHES) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.

5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPED EROSION FLOW OR DRAINAGE.

7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 INCHES). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 642S-1

STABILIZED CONSTRUCTION ENTRANCE

PLAN VIEW

PROFILE

NOTES:

- STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
- LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
- THICKNESS: NOT LESS THAN 200 mm (8").
- WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
- WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. 641S-1

10' x 10' CONCRETE WASHOUT

PLAN VIEW

PROFILE

1. THE EXCAVATION FOR THE CONCRETE TRUCK WASHOUT SHALL BE A MINIMUM OF 10 FEET WIDE AND OF SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND/OR 50 GALLONS OF WASHOUT WATER AND CONCRETE PER PUMP TRUCK PER DAY.

2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL BE 10 FEET WIDE AND 10 FEET LONG WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN ITEM 1.

3. THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL PLASTIC SHEETING WITHOUT HOLES OR TEARS. WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURERS DIRECTIONS.

4. THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18 INCHES HIGH AND NO LESS THAN 12 INCHES WIDE.

5. THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVERLAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST 2 TIMES.

6. THE GRAVEL BAGS OR CONCRETE BLOCKS SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.

7. THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT ANY ONE TIME.

8. SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERLY, ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING REPLACED BEFORE THE NEXT USE.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. C291

ACCESSIBLE PARKING SIGN

RESERVED PARKING SIGN BOLTED TO POLE

"VAN ACCESSIBLE" SIGN BOLTED TO POLE WHERE SPACES ARE DESIGNATED "VAN ACCESSIBLE" ON PLANS

REMOVABLE PIPE 2" STD X 8'-0"

FINISH GRADE, SIDEWALK OR PAVEMENT

1" ROUND WEDGE ANCHOR

NON REMOVABLE 2 1/2" STD X 2'-0" PIPE

CONCRETE FOOTING

12" DIA

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
STANDARD NO. C291

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SITE PLAN APPROVAL SHEET 24 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ_X

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING_AV

Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

Final Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

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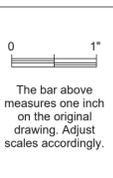
100% CONSTRUCTION DOCUMENTS
02/14/2020

mwm Design Group

305 East Huntland Drive
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TBAE FIRM REGISTRATION NO.: 1452
TBE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	



EROSION/SEDIMENTATION CONTROL PLAN DETAILS

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS

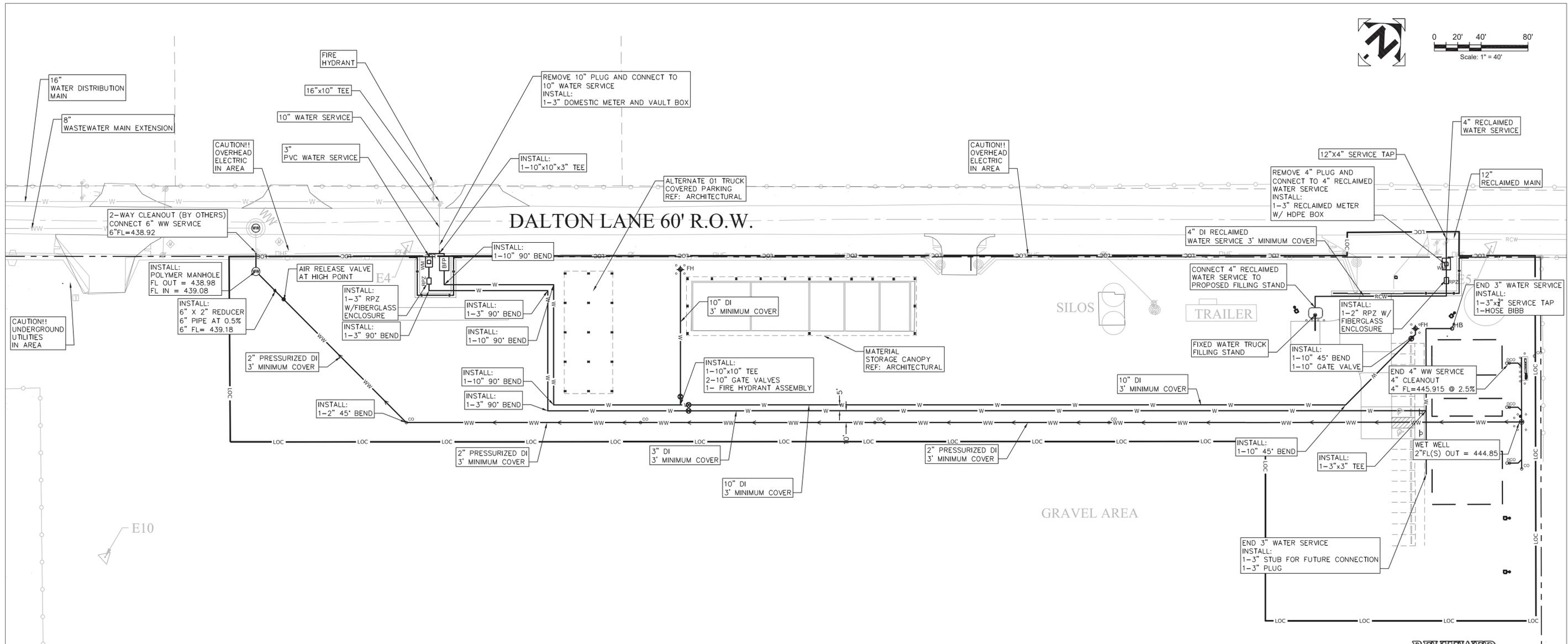
AUSTIN, TX 78742

02/14/2020
JOB NO: 023-89A

C291

24 OF 30

ADDENDUM 01 - 08.24.2020



DALTON LANE 60' R.O.W.

CITY OF AUSTIN
(46.149)
DOC. # 2012218867
O.P.R.T.C.T.

UTILITY LEGEND

- S — SILT FENCE
REF: COA DET. 642S-1
- W — WATER LINE
- WW WATER VALVE
REF: COA DET. 511S-7
- ◻ WM WATER METER
REF: COA DET. 520S-11, 520S-13, 520S-15A, 520S-15B, 520S-15C
- ⊕ FDC FIRE DEPT. CONNECTION
REF: ARCHITECTURAL PLANS
- ⊕ FH FIRE HYDRANT
REF: COA DET. 511S-17, 511S-18
- ◻ BFP BFP WITH VAULT BOX
REF: COA DET. 520S-19C
- R — WATER LINE REDUCER
- WW — WASTEWATER LINE
- WWMH WASTEWATER MANHOLE
REF: COA DET. 506S-10, 506S-5, 506S-7, 506S-8, 506S-9
- CO WASTEWATER CLEANOUT
REF: COA DET. 520S-3A
- ∞ DCO WASTEWATER DOUBLE CLEANOUT
REF: COA DET. 520S-3

- NOTES:**
- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND/OR CROSSINGS TWO WEEKS PRIOR TO CONSTRUCTION.
 - ALL WASTEWATER AND WATER LINES WITHIN PUBLIC ROW AND/OR EASEMENTS, SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF AUSTIN CRITERIA AND CHAPTER 290 OF THE TEXAS ADMINISTRATIVE CODE. OTHERWISE, WASTEWATER AND WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF AUSTIN CRITERIA AND THE 2015 EDITION OF THE UNIFORM PLUMBING CODE.
 - ALL HORIZONTAL AND VERTICAL BENDS (EXCEEDING 22-1/2°), VALVES, TEES, PLUGS, AND CAPS SHALL BE RESTRAINED TO THE WATER MAIN USING MECHANICAL JOINT RESTRAINT DEVICES AS APPROVED IN SPL. WW-27-A. THE CALCULATED RESTRAINT LENGTH(S) SHALL BE INCLUDED AS CALL-OUT NOTES IN THE PLAN VIEW, CALLED OUT FROM BEGINNING STATION TO END STATION. PER UCM SECT. 2.9.2.B.9. CONCRETE THRUST BLOCKING SHALL BE USED FOR BENDS LESS THAN 22-1/2°. CONTRACTOR TO ADD WARNING TAPE (STAND. SPEC. 510) ON TRENCH LINE TO SHOW RESTRAINED LENGTHS.
 - CONCRETE THRUST BLOCKING SHALL BE USED FOR ALL BENDS, VALVES, TEES, PLUGS, AND CAPS ALONG PIPING LESS THAN 4" IN DIAMETER.
 - ALL WATERLINE P.I.'S BOTH HORIZONTAL AND VERTICAL SHALL BE ACHIEVED BASED UPON THE PIPE MANUFACTURER'S SPECIFIED MAXIMUM ALLOWABLE JOINT DEFLECTION. P.I.'S LESS THAN OR EQUAL TO 80% OF THE MANUFACTURER'S MAXIMUM SHALL BE CONSTRUCTED AS A SINGLE JOINT DEFLECTION. P.I.'S IN EXCESS OF 80% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE JOINT DEFLECTION ANGLE SHALL BE CONSTRUCTED AS A SERIES OF EVENLY DISTRIBUTED DEFLECTIONS OVER MULTIPLE JOINTS, SO THAT NO SINGLE DEFLECTION IS GREATER THAN 80% OF THE MAXIMUM.
 - UNDERGROUND MAINS FEEDING NFPA 13 SPRINKLER SYSTEMS MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 13, AND THE FIRE CODE, BY A LICENSED SPRINKLER CONTRACTOR WITH A PLUMBING PERMIT. THE ENTIRE MAIN MUST BE HYDROSTATICALLY TESTED AT ONE TIME, UNLESS ISOLATION VALVES ARE PROVIDED BETWEEN TESTED SECTIONS.
 - ALL EXISTING PUBLIC UNDERGROUND UTILITIES ARE APPROXIMATE AND SHOWN PER COA RECORDS.
 - ALL VALVES AND/OR CLEANOUTS WITHIN PAVED AREAS SHALL HAVE HEAVY-DUTY TRAFFIC BEARING CASTINGS AND COVERS.
 - ALL POTABLE AND RECLAIMED WATER PIPING SHALL BE AWWA C900 SDR-14 PVC, UNLESS NOTED OTHERWISE. RECLAIMED PIPING SHALL BE MANUFACTURED PURPLE, PAINTED PURPLE, OR WRAPPED IN PURPLE POLYETHYLENE FILM WRAP.
 - ALL WASTEWATER PIPING SHALL BE ASTM D3034 SDR 26, UNLESS NOTED OTHERWISE.
 - PERIMETER FENCING SHALL BE ADJUSTED TO ALIGN WITH PROPOSED EASEMENTS (TWO LOCATIONS).

REVIEWED
June 12, 2020
Austin Water Utility
Roverto Chapa, P.E.

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 25 OF 30
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER - Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ DDZ_X

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3
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02/14/2020
STATE OF TEXAS
MATHIEW A. RECTOR SR
122861
LICENSED PROFESSIONAL ENGINEER

100% CONSTRUCTION DOCUMENTS
02/14/2020

mwm Design Group
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NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	

UTILITY PLAN

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS
AUSTIN, TX 78742

PLOTTED: 5/20/2020
JOB NO: 023-89A
C301
25 OF 30 4C

ADDENDUM 01 - 08.24.2020

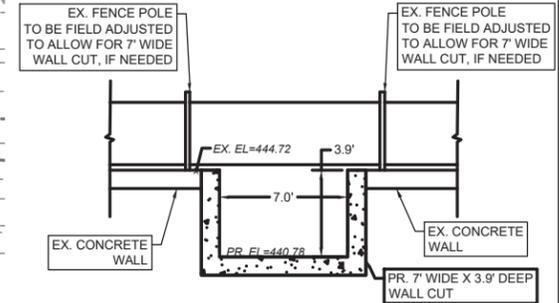
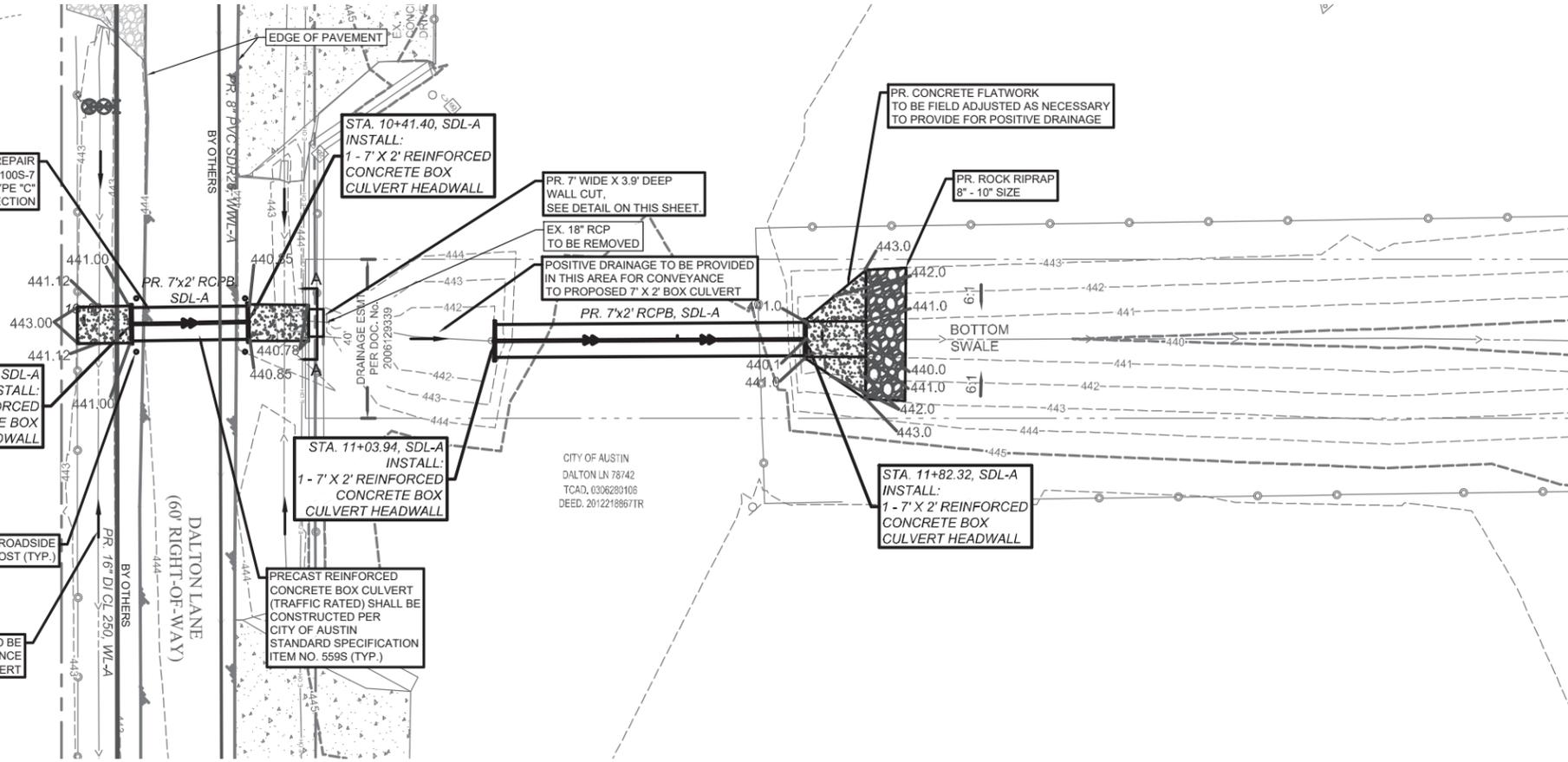
VERA MARCELO & JOSEPHINE
900 DALTON LN 78742
TCAD, 0307210504
DEED, 2013076814TR

POSITIVE DRAINAGE TO BE PROVIDED FOR CONVEYANCE TO PROPOSED 7' X 2' BOX CULVERT

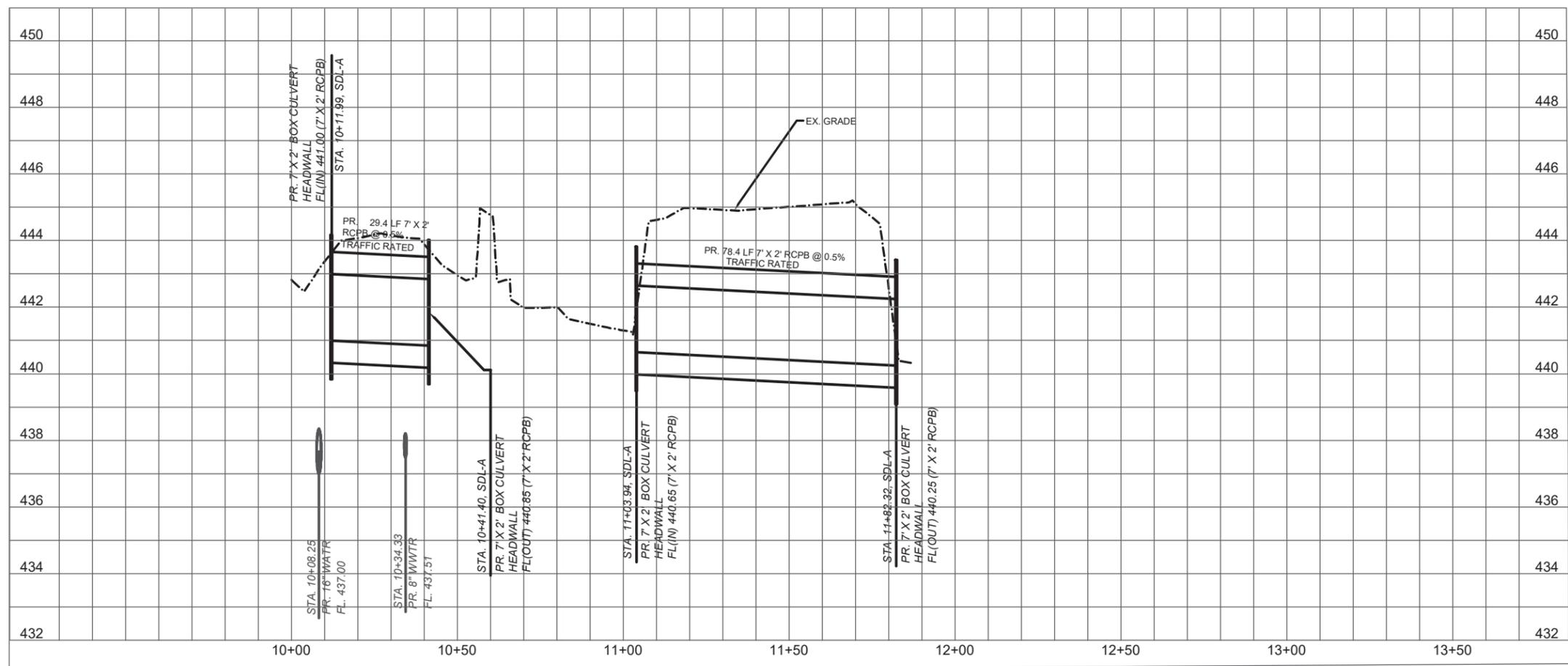
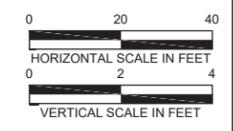
FLEXIBLE ROADSIDE DELINEATOR POST (TYP.)

STA. 10+11.99, SDL-A
INSTALL:
1 - 7' X 2' REINFORCED CONCRETE BOX CULVERT HEADWALL

FOR STREET REPAIR
SEE DETAIL 1100S-7
USE MIN. 3" HMAc TYPE "C"
SAWCUT 12' WIDE SECTION



DETAIL A-A
N.T.S.



**ADDENDUM 01 -
08.24.2020**

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 29 OF 31
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON _____ UNDER SECTION _____ OF CHAPTER _____ OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE: 25-5-01, LDC CASE MANAGER: Lydia Cooney
PROJECT EXPIRATION DATE (ORD. #97095-A) DWP# 302

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: _____ ZONING: AV

Rev. 1 _____ Correction 1 _____
Rev. 2 _____ Correction 2 _____
Rev. 3 _____ Correction 3 _____

Final Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

DALTON LANE
SERVICE CENTER IMPROVEMENTS
STORM DRAIN PLAN & PROFILE
SDL-A BEGIN - END

WATERSHED FIELD OPERATION DIVISION
105 W. RIVERSIDE DR. SUITE 125
AUSTIN, TEXAS 78704
PHONE: (512) 974-3346

24 Jul 2020

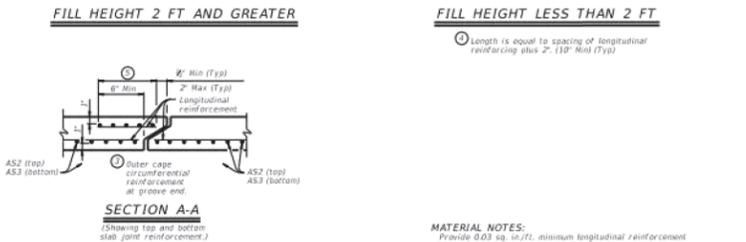
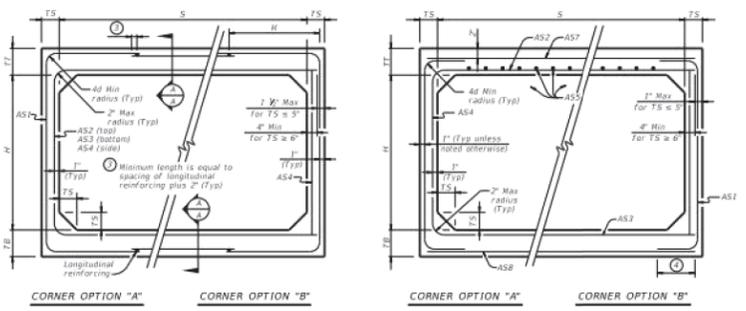
STATE OF TEXAS
SERGIO MENDOZA
7/17/20
PROFESSIONAL ENGINEER

City of Austin
WATERSHED PROTECTION

SHEET NO.
C302
29 of 31
July 24, 2020

N:\Team1\PWD_Facility_Improvements_Dalton_Lane\DWG\Production_Files\DWG\DAL_LCSD-PL\PROJ.dwg, July 24, 2020, 10:16:41, GarzaBo

BOX DATA												
SECTION DIMENSIONS				REINFORCING (sq. in. / ft.)								LIFT HEIGHT (tons)
S	H	TT	TD	AS1	AS2	AS3	AS4	AS5	AS7	AS8		
7	3	8	8	4	0.23	0.31	0.22	0.19	0.19	0.19	9.6	
7	3	8	8	4	0.27	0.23	0.24	0.19	-	-	9.6	
7	3	8	8	3-5	0.19	0.19	0.19	0.19	-	-	9.6	
7	3	8	8	10	0.21	0.20	0.21	0.19	-	-	9.6	
7	3	8	8	15	0.28	0.26	0.27	0.19	-	-	9.6	
7	3	8	8	20	0.36	0.34	0.35	0.19	-	-	9.6	
7	3	8	8	25	0.45	0.42	0.43	0.19	-	-	9.6	
7	3	8	8	30	0.54	0.50	0.51	0.19	-	-	9.6	
7	4	8	8	4	0.21	0.34	0.25	0.19	0.19	0.19	10.4	
7	4	8	8	3-5	0.23	0.26	0.28	0.19	-	-	10.4	
7	4	8	8	3-5	0.19	0.22	0.19	0.19	-	-	10.4	
7	4	8	8	10	0.19	0.23	0.23	0.19	-	-	10.4	
7	4	8	8	15	0.24	0.30	0.30	0.19	-	-	10.4	
7	4	8	8	20	0.31	0.38	0.39	0.19	-	-	10.4	
7	4	8	8	25	0.38	0.47	0.48	0.19	-	-	10.4	
7	4	8	8	30	0.46	0.57	0.57	0.19	-	-	10.4	
7	5	8	8	4	0.19	0.36	0.27	0.19	0.19	0.19	11.2	
7	5	8	8	3-5	0.21	0.31	0.31	0.19	-	-	11.2	
7	5	8	8	3-5	0.19	0.24	0.27	0.19	-	-	11.2	
7	5	8	8	10	0.19	0.25	0.26	0.19	-	-	11.2	
7	5	8	8	15	0.27	0.32	0.33	0.19	-	-	11.2	
7	5	8	8	20	0.37	0.43	0.42	0.19	-	-	11.2	
7	5	8	8	25	0.47	0.53	0.53	0.19	-	-	11.2	
7	5	8	8	30	0.57	0.64	0.63	0.19	-	-	11.2	
7	6	8	8	4	0.19	0.38	0.30	0.19	0.19	0.19	12.0	
7	6	8	8	3-5	0.19	0.33	0.34	0.19	-	-	12.0	
7	6	8	8	3-5	0.19	0.25	0.23	0.19	-	-	12.0	
7	6	8	8	10	0.19	0.26	0.27	0.19	-	-	12.0	
7	6	8	8	15	0.19	0.34	0.35	0.19	-	-	12.0	
7	6	8	8	20	0.24	0.43	0.43	0.19	-	-	12.0	
7	6	8	8	25	0.29	0.53	0.53	0.19	-	-	12.0	
7	6	8	8	30	0.33	0.64	0.63	0.19	-	-	12.0	
7	7	8	8	4	0.19	0.40	0.33	0.19	0.19	0.19	12.8	
7	7	8	8	3-5	0.19	0.36	0.37	0.19	-	-	12.8	
7	7	8	8	3-5	0.19	0.27	0.25	0.19	-	-	12.8	
7	7	8	8	10	0.19	0.27	0.29	0.19	-	-	12.8	
7	7	8	8	15	0.27	0.32	0.33	0.19	-	-	12.8	
7	7	8	8	20	0.37	0.44	0.46	0.19	-	-	12.8	
7	7	8	8	25	0.47	0.54	0.57	0.19	-	-	12.8	
7	7	8	8	30	0.57	0.65	0.67	0.19	-	-	12.8	



MATERIAL NOTES:
 Provide 600 up to 10% minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.
 Provide Class II concrete (f'c = 5000 psi).
GENERAL NOTES:
 Design shown conform to ASTM C1577. Refer to ASTM C1577 for information or details not shown.
 See Box Culverts Precast Miscellaneous Details (SCP-7) standard sheet for details and notes not shown.
 In lieu of full details the design shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Submit shop plans for alternate designs in accordance with Item "Precast Concrete Structural Members Fabrication".

Texas Department of Transportation		Bridge Division Standard	
SINGLE BOX CULVERTS			
PRECAST			
7'-0" SPAN			
SCP-7			
Rev.	Date	By	Checked
01	February 2008	WHEAT	WHEAT
02	August 2008	WHEAT	WHEAT
03	August 2008	WHEAT	WHEAT
04	August 2008	WHEAT	WHEAT
05	August 2008	WHEAT	WHEAT
06	August 2008	WHEAT	WHEAT
07	August 2008	WHEAT	WHEAT
08	August 2008	WHEAT	WHEAT
09	August 2008	WHEAT	WHEAT
10	August 2008	WHEAT	WHEAT
11	August 2008	WHEAT	WHEAT
12	August 2008	WHEAT	WHEAT
13	August 2008	WHEAT	WHEAT
14	August 2008	WHEAT	WHEAT
15	August 2008	WHEAT	WHEAT
16	August 2008	WHEAT	WHEAT
17	August 2008	WHEAT	WHEAT
18	August 2008	WHEAT	WHEAT
19	August 2008	WHEAT	WHEAT
20	August 2008	WHEAT	WHEAT
21	August 2008	WHEAT	WHEAT
22	August 2008	WHEAT	WHEAT
23	August 2008	WHEAT	WHEAT
24	August 2008	WHEAT	WHEAT
25	August 2008	WHEAT	WHEAT
26	August 2008	WHEAT	WHEAT
27	August 2008	WHEAT	WHEAT
28	August 2008	WHEAT	WHEAT
29	August 2008	WHEAT	WHEAT
30	August 2008	WHEAT	WHEAT

TABLE OF DIMENSIONS & REINFORCING STEEL (Wings for One Structure End)												
Dimensions	Variable Reinforcing			Estimated Reinf. Conc. (lb/ft ³) (2-Wings)	Estimated Supply Conc. (lb/ft ³) (2-Wings)	TABLE OF WINGWALL REINFORCING (2-Wings)						
	W	X	Y			Bar Size	No	Spa	Bar Size	No	Spa	
2'-6"	2'-10"	10'-11"	0'-0"	7	44	11'-0"	44	11'-0"	48.84	0.406	6.85	0.071
2'-9"	2'-10"	10'-11"	0'-0"	7	44	11'-0"	44	11'-0"	49.51	0.424	6.85	0.071
3'-0"	2'-10"	10'-11"	0'-0"	7	44	11'-0"	44	11'-0"	49.98	0.444	6.85	0.071
3'-3"	2'-10"	10'-11"	0'-0"	7	44	11'-0"	44	11'-0"	53.32	0.462	6.85	0.071
3'-6"	2'-10"	10'-11"	0'-0"	7	44	11'-0"	44	11'-0"	53.98	0.480	6.85	0.071
4'-0"	3'-2"	11'-2"	0'-0"	7	44	11'-0"	44	11'-0"	55.77	0.532	6.85	0.071
4'-6"	3'-2"	11'-2"	0'-0"	7	44	11'-0"	44	11'-0"	59.77	0.568	6.85	0.071
5'-0"	3'-2"	11'-2"	0'-0"	7	44	11'-0"	44	11'-0"	63.45	0.632	6.85	0.071
5'-6"	3'-2"	11'-2"	0'-0"	7	44	11'-0"	44	11'-0"	67.46	0.668	6.85	0.071
6'-0"	4'-2"	0'-0"	1'-4"	7	44	11'-0"	44	11'-0"	80.67	0.730	7.07	0.078
6'-6"	4'-2"	0'-0"	1'-4"	7	44	11'-0"	44	11'-0"	85.05	0.769	7.07	0.078
7'-0"	5'-2"	3'-2"	1'-4"	8	45	11'-0"	45	11'-0"	92.15	0.864	8.07	0.093
7'-6"	5'-2"	3'-2"	1'-4"	8	45	11'-0"	45	11'-0"	96.54	0.902	8.07	0.093
8'-0"	5'-2"	3'-2"	1'-4"	8	45	11'-0"	45	11'-0"	109.04	0.962	8.13	0.095
8'-6"	5'-2"	3'-2"	1'-4"	8	45	11'-0"	45	11'-0"	114.47	1.000	8.13	0.095
9'-0"	6'-2"	10'-2"	2'-2"	9	45	11'-0"	45	11'-0"	156.93	1.136	8.41	0.110
10'-6"	6'-2"	10'-2"	2'-2"	9	45	11'-0"	45	11'-0"	196.27	1.234	8.57	0.117
11'-6"	7'-2"	5'-2"	2'-2"	11	46	11'-0"	46	11'-0"	230.53	1.438	9.22	0.140
12'-6"	7'-2"	5'-2"	2'-2"	11	46	11'-0"	46	11'-0"	283.41	1.592	9.74	0.157
13'-6"	8'-2"	4'-0"	3'-2"	11	46	11'-0"	46	11'-0"	348.72	1.804	10.02	0.186
14'-6"	8'-2"	4'-0"	3'-2"	11	46	11'-0"	46	11'-0"	432.94	2.046	10.30	0.218
15'-6"	8'-2"	4'-0"	3'-2"	11	46	11'-0"	46	11'-0"	489.57	2.302	11.24	0.253
16'-0"	9'-11"	5'-0"	3'-2"	11	46	11'-0"	46	11'-0"	505.72	2.448	11.47	0.279

WING DIMENSION CALCULATIONS:

Formulas (All Calculations in Feet)

$H_w = H + T + C$
 $L_w = (N)(S) + \text{Cosine } \theta$ for Ty PW-1
 $L_w = (N)(S) + \text{Cosine } \theta$ for Ty PW-2 and $H_w \geq 4'$
 $L_w = (N)(S) + \text{Cosine } \theta$ for Ty PW-2 and $H_w < 4'$

For Cast-in-place culverts:
 $L_w = (N)(S) + (N + 1)(U) + \text{Cosine } \theta$

For Precast culverts:
 $L_w = (N)(S) + (N + 1)(U) + \text{Cosine } \theta$

Total Wingwall Area (Two Wings - SF)
 $2(L_w)(H_w) + 6 \text{ SF for Ty PW-2 and } H_w \geq 4'$
 $2(L_w)(H_w) + 1.5 \text{ SF for Ty PW-2 and } H_w < 4'$

See applicable box culvert standard for S, M, T and U values.

GENERAL NOTES:
 Designed in accordance with AASHTO LRFD Bridge Design Specifications.
 Provide Class II Concrete (f'c = 3,600 psi) and Grade 60 reinforcing steel.
 Provide 1/2" Min clear cover to reinforcing steel. Depth of topsoil for wingwalls and culverts may be reduced or eliminated when founded on solid rock, when directed by the Engineer.
 See BCS sheet for wingwall type and additional dimensions and information.
 The quantities for concrete and reinforcing steel resulting from the formulas given in this sheet are for the Contractor's information only.

DESIGNER NOTES:
 Type PW-1 can be used for all applications and must be used if ralling is to be mounted to the wingwall.
 Type PW-2 can only be used for applications without a ralling mounted to the wingwall.

POST TYPE AND SUPPORT FOUNDATION DETAILS

WING CHANNEL (WC)		FLEXIBLE POSTS (FLX)		WEDGE ANCHOR SYSTEMS		TYPE OF BARRIER MOUNTS	
GND	SRF	GND	SRF	WAS	WAP	GF1	GF2
EMBEDDED	SURFACE MOUNT	EMBEDDED	SURFACE MOUNT	STEEL	PLASTIC	CONCRETE BARRIER / BRIDGE RAIL	CTB

NOTES:
 1. Embedded Wing Channel (WC) post option may be used for Type 2 Object Markers and Delineators only.
 2. 1.12 lbs/ft steel per ASTM A 1011 S5 Gr. 50, or ASTM A499.

NOTES:
 1. See "Flexible Delineator and Object Marker Posts" Material Producer List for approved devices.
 2. Install per manufacturer's recommendations.
 3. Post length may vary to meet field conditions.

NOTE:
 1. Install per manufacturer's recommendations.

TYPES 1, 3, AND 4 OBJECT MARKERS AND CHEVRONS

CHEVRONS AND ONE DIRECTION LARGE ARROW SIGN

DELINEATORS AND TYPE 2 OBJECT MARKERS

DELINEATOR & OBJECT MARKER INSTALLATION

D & OM(2)-15

GENERAL NOTES:
 1. Place delineators on a section of roadway at a consistent distance from the edge of pavement.
 2. Where a restriction prevents consistent placement from the pavement edge, place the affected object markers in line with the innermost edge of the obstruction.
 3. When Type 2 object markers and delineators are more than 8'-0" from the edge of the pavement, it may not be possible to maintain a height of approximately 4'-0". If this is the case, place the object marker or delineator as close to the desired height as possible.
 4. Install all delineators, object markers and barrier reflectors in accordance with the manufacturer's recommendation.
 5. Barrier reflectors should be installed a minimum of 18 inches above the edge of the pavement surface.

NOTE:
 Mounting at 4 feet to the bottom of the chevron is permitted for chevrons that will not exceed a height of 6'-6" to the top of the chevron (sizes 24" x 30" and smaller).

NOTE:
 Chevrons 30" x 36" and larger shall be mounted at a height of 7' to the bottom of the chevron. Chevron sign and ONE DIRECTIONAL LARGE ARROW sign (R1-911) shall be installed per SMD standard sheets and sold under Item 644.

C1577 - 14

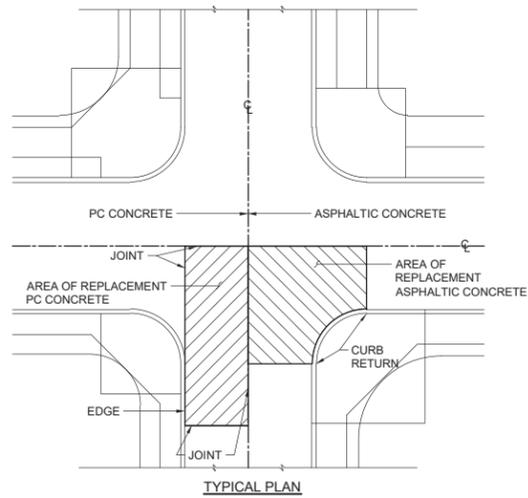
Design Earth Cover, ft	7 ft by 2 ft by 8 in. Circumferential Reinforcement Areas, in ² /ft					
	A ₁	A ₂	A ₃	A ₄	A ₅	A ₆
15	0.17	0.29	0.31	0.17		39
20	0.18	0.38	0.39	0.17		39
25	0.23	0.48	0.48	0.17		38
30	0.27	0.55	0.57	0.17		38

7 ft by 3 ft by 8 in. Circumferential Reinforcement Areas, in²/ft

Design Earth Cover, ft	7 ft by 3 ft by 8 in. Circumferential Reinforcement Areas, in ² /ft					
	A ₁	A ₂	A ₃	A ₄	A ₅	A ₆
2-0	0.27	0.28	0.19	0.19	0.19	0.19
2-3	0.31	0.21	0.20	0.19	0.19	0.19
3-5	0.23	0.19	0.19	0.19	0.19	0.19
10	0.23	0				

REPAIR OF NEW STREETS and ARTERIAL STREETS in GOOD CONDITION
(UCM SECTION 5.3.3 and 5.3.4)

TYPICAL RESTORATION FOR EXCAVATION IN INTERSECTIONS



TYPICAL PLAN

TRENCH REPAIRS WITHIN PORTLAND CEMENT CONCRETE PAVEMENTS NOTE:
IF ANY PART OF THE TRENCH REPAIR FALLS WITHIN AN INTERSECTION, THEN THE ENTIRE CONCRETE SLAB FROM JOINT TO JOINT AND JOINT TO EDGE SHALL BE REPLACED, UNLESS OTHERWISE DIRECTED IN WRITING BY THE DIRECTOR.

TRENCH REPAIRS WITHIN ASPHALTIC CONCRETE PAVEMENTS NOTES:
1. IF ANY PART OF THE TRENCH REPAIR FALLS WITHIN AN INTERSECTION, DEFINED FROM CURB RETURN TO CURB RETURN, THE ENTIRE QUADRANT OF THE EXISTING SURFACE SHALL BE REPLACED, UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.
2. A QUADRANT IS DEFINED AS THE CROSS-HATCHED AREA IN THE ABOVE DETAIL.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		STREET REPAIR REQUIREMENTS	
RECORD COPY SIGNED BY BILL GARDNER	9/14/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1100S-7 1 OF 3

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		STREET REPAIR REQUIREMENTS	
RECORD COPY SIGNED BY BILL GARDNER	9/14/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1100S-7 2 OF 3

TRANSVERSE EXCAVATION AND RESTORATION

TRANSVERSE EXCAVATION AND RESTORATION

SINGLE LANE EXCAVATION AND RESTORATION

SINGLE LANE EXCAVATION AND RESTORATION

NOTE: IN ASPHALT, RESTORATION MUST BE A MINIMUM OF 10' (3 m) CURB LENGTH BY THE WIDTH OF EACH LANE EXCAVATED.

TYPICAL RESTORATION FOR EXCAVATION IN STREETS

AREA OF EXCAVATION LIMITS OF RESTORATION

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		STREET REPAIR REQUIREMENTS	
RECORD COPY SIGNED BY BILL GARDNER	9/14/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1100S-7 3 OF 3

MULTIPLE EXCAVATIONS AND RESTORATION IN ASPHALT

EXCAVATION AND RESTORATION IN CONCRETE

NOTE: ACTUAL RESTORATION LIMITS ARE DETERMINED BY JOINT LOCATIONS. IN ASPHALT, RESTORATION MUST BE A MINIMUM OF 10' (3 m) CURB LENGTH BY THE WIDTH OF EACH LANE EXCAVATED.

TYPICAL RESTORATION FOR EXCAVATION IN STREETS

AREA OF EXCAVATION LIMITS OF RESTORATION

ADDENDUM 01 -
08.24.2020

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

SITE PLAN APPROVAL SHEET 31 OF 31
FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/26/2020
APPROVED BY COMMISSION ON UNDER SECTION _____ OF CHAPTER _____ OF THE CITY OF AUSTIN CODE
EXPIRATION DATE: (25--81, LDC) CASE MANAGER: Linda Cooney
PROJECT EXPIRATION DATE (ORD. #970905-A) _____ DWP? _____

Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: JONING_AV
Rev. 1 _____ Correction 1 _____
Rev. 2 _____ Correction 2 _____
Rev. 3 _____ Correction 3 _____

Final Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

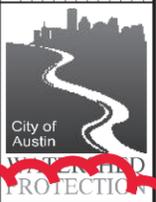
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

DALTON LANE
SERVICE CENTER IMPROVEMENTS
STORM DRAIN STANDARD DETAILS

WATERSHED FIELD OPERATION DIVISION
105 W. RIVERSIDE DR. SUITE 125
AUSTIN, TEXAS 78704
PHONE: (512) 974-3346



NO.	DATE	REVISIONS



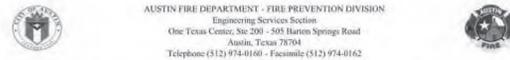
SHEET NO.
C304
31 of 31

GENERAL NOTES

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES. REVIEWED BY AUSTIN WATER APPLIES ONLY TO FACILITIES WITHIN PUBLIC STREETS OR PUBLIC UTILITY EASEMENTS. ALL OTHER WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTIONS.

Use of Electronic Files General Disclaimer: Use of the attached files in any manner indicates your acceptance of terms and conditions as set forth below. If you do not agree to all of the terms and conditions, please contact Austin Water pipeline engineering, project coordinator prior to use of the referenced information. Please be advised that the attached files are in a format that can be altered by the user. Due to this fact, any reuse of the data will be at the user's sole risk without liability or legal exposure to The City of Austin and user shall indemnify and hold harmless The City of Austin from all claims, damages, losses and expenses including attorney's fees arising out of or resulting from using the digital file. In addition, it is the responsibility of the user to compare all data with the PDF version of this drawing. In the event there is a conflict between the PDF version drawing and the electronic file, the PDF version drawing shall prevail.

FIRE FLOW TEST DATA



Austin Fire Department Hydrant Flow Test Report

TEST DATE: 11/6/19	COMPANY: PREV
TIME: 12:50 HRS	OFFICER: NIXO BALO

RESIDUAL HYDRANT

MAP GRID#	HYDRANT#	PIPE INTERSECTION#	MAIN SIZE	ALT. BOX#
M19	255219	8	1502	

BLK# 1000, DIRECTION DALTON, STREET NAME DALTON, TYP# LN

STATIC PRESSURE (PSI): 108, RESIDUAL PRESSURE (PSI): 102

FLOW HYDRANT

MAP GRID#	HYDRANT#	PIPE INTERSECTION#	MAIN SIZE	ALT. BOX#
M19	255188	16	1502	

BLK# 1000, DIRECTION DALTON, STREET NAME DALTON, TYP# LN

STATIC PRESSURE (PSI): 111, VELOCITY PRESSURE (PSI): 98

Flow rate: 1661 GPM

NOTE: This information represents the water supply characteristics in the immediate area on the date and time tested. The City of Austin does not guarantee this data will be representative of the water supply characteristics at any time in the future. It is the requesting party's responsibility to ensure that this test information is appropriate to the location of the project in question and that any differences in elevation between the test location and project are accounted for and included in the hydraulic calculations.

INSPECTION NOTES

Please contact Development Services Department, Site and Subdivision Inspection at sitesubintake@austintexas.gov for arrangements for payment of inspection fees and job assignment for inspection of the public utilities to this site. Inspection fees must be paid before any Pre-construction meeting can be held.

AW INFRASTRUCTURE INFORMATION

PROPOSED PRODUCT TYPE (TO BE INSTALLED)	LENGTH OF PIPE (L.F.)	SIZE OF PIPE (INCH)	NO. OF SERVICES
WATER MAIN			NA
WATERWATER MAIN			NA
RECLAIMED WATER MAIN			NA
WATER SERVICE	NA	NA	
WASTEWATER SERVICE	NA	NA	
RECLAIMED WATER SERVICE	NA	NA	

EXPAND OR REDUCE TABLE AS NEEDED. THE INFORMATION INCLUDED IN THIS TABLE ARE APPROXIMATE VALUES ESTIMATED BASED ON GENERAL ENGINEERING GUIDELINES.

DOES THIS PROJECT NEED AULCC REVIEW

YES
 NO

IF YES PLEASE PROVIDE UCC#

NOTE: IF THE PROJECT IS LOCATED WITHIN FULL PURPOSE JURISDICTION, A RIGHT-OF-WAY REVIEW, THROUGH THE AULCC PERMIT PROCESS WILL BE REQUIRED.

DOES THIS PROJECT INVOLVE A DEVELOPMENT AGREEMENT THAT IMPACTS AUSTIN WATER INFRASTRUCTURE?

YES
 NO

PROJECT INFORMATION

FIRE, DOMESTIC AND IRRIGATION DEMAND DATA

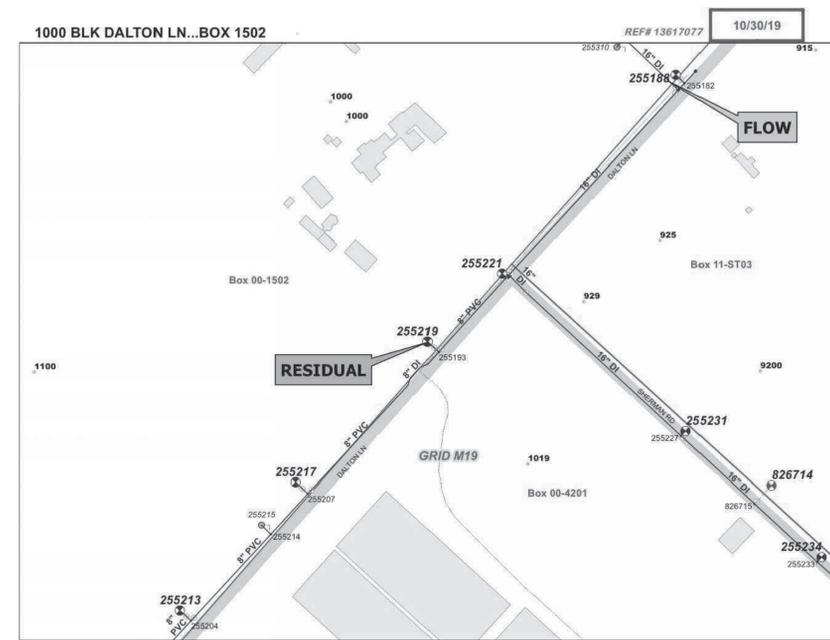
GRID NUMBER:	M19
MASCO NUMBER:	616Z
AW INTERSECTION NUMBER:	255188
BUILDING SIZE IN SQUARE FEET:	6,200
BUILDING TYPE PER IFC:	VB
BUILDING HEIGHT:	40
AVAILABLE FIRE FLOW CALCS AT 20 PSI:	7078
REQUIRED BUILDING FIRE FLOW PER IFC:	2,250
REDUCED FIRE FLOW PER % FIRE SPRINKLER REDUCTION:	N/A
*MINIMUM FIRE FLOW:	2,250
DOMESTIC WATER DEMAND IN GPM:	46.9
WATER SUPPLY FIXTURE UNITS (WFSU) FLUSH TANKS OR FLUSHMETERS:	
AUSTIN WATER PRESSURE ZONE:	M19
STATIC WATER PRESSURE IN PSI:	111
STATIC PRESSURE AT THE HIGHEST LOT SERVED IN PSI:	111
STATIC PRESSURE AT THE LOWEST LOT SERVED IN PSI:	111
IRRIGATION DEMAND:	0
10" FIRE LINE VELOCITY:	10.0
3" DOMESTIC LINE VELOCITY:	5.0

NOTE: LOTS WITH 65 PSI OR GREATER REQUIRE A PRV TO BE INSTALLED ON THE PROPERTY OWNERS SIDE OF THE DOMESTIC WATER METER.
*ON MINIMUM FIRE FLOW, FOR COMMERCIAL DEVELOPMENT, DESIGN ENGINEER MUST INCLUDE 1500 GALLONS PER MINUTE OR REDUCED FIRE FLOW AMOUNT, WHICHEVER IS GREATER AND 1000 GALLONS PER MINUTE ON RESIDENTIAL DEVELOPMENT/SUBDIVISION

STANDARD CONSTRUCTION NOTES NOVEMBER 23, 2017

- THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIALS AND METHODS USED TO DO THIS WORK.
- CONTRACTOR MUST OBTAIN A STREET CUT PERMIT FROM AUSTIN TRANSPORTATION DEPARTMENT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY.
- AT LEAST 48 HOURS BEFORE BEGINNING ANY WATER AND WASTEWATER CONSTRUCTION IN PUBLIC R.O.W. OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY AUSTIN TRANSPORTATION INSPECTION OR DEVELOPMENT SERVICES DEPARTMENT (DSD) INSPECTIONS AT THE NUMBER INDICATED ON THE PLANS BY THE AW PLAN REVIEWER.
- THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF AUSTIN WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES.
- NO OTHER UTILITY SERVICE/APPERTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR OTHER ASSIGNED LOCATION DESIGNATED FOR WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER AND WASTEWATER SERVICES.
- THE CITY SPECIFICATION ITEM 5095 WILL BE REQUIRED AS A MINIMUM TRENCH SAFETY MEASURE.
- ALL MATERIALS TESTS ORDERED BY THE OWNER FOR QUALITY ASSURANCE PURPOSES, SHALL BE CONDUCTED BY AN INDEPENDENT LABORATORY AND FUNDED BY THE OWNER IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 18045.04.
- PRESSURE TAPS SHALL BE ALLOWED ON A CASE BY CASE BASIS, AS DETERMINED BY THE DIRECTOR'S DESIGNEE. NORMALLY PRESSURE TAPS 4 INCHES AND LARGER SHALL BE ALLOWED IN THE FOLLOWING CASES: A) A TEST SHUT OUT INDICATES AN ADEQUATE SHUT OUT TO PERFORM THE WORK IS NOT FEASIBLE B) MORE THAN 30 CUSTOMERS OR A SINGLE CRITICAL CUSTOMER (AS DEFINED BY AUSTIN WATER) WOULD BE IMPACTED BY THE SHUT OUT OR C) THE EXISTING WATER LINE WARRANTS IT.
- THURST RESTRAINT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3021 AND SPL WW 27-A AND WW 27-F.
- FIRE HYDRANTS SHALL BE SET IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 5155.4 AND SHALL BE PAINTED FLYNT ALUMINUM OR EQUAL. FIRE HYDRANTS AND ASSOCIATED VALVES, TEN (10) YEARS AND OLDER WILL BE REQUIRED TO BE REPLACED WITH A NEW FIRE HYDRANT AND APPURTENANCES.
- WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AT THE PRESSURES SHOWN ON THE APPROVED PLANS.
- ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.
- WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS PE, THE LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD OR REPLACED THE FULL LENGTH WITH TYPE K COPPER MATERIAL. ANY TIME PB IS DAMAGED OR TAMPERED WITH IN ANY WAY, THE SERVICE LINE SHALL BE REPLACED FULL LENGTH WITH TYPE K COPPER MATERIAL. NOTE: FULL LENGTH IS FROM CORPORATION STOP TO METER.
- WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR SO THAT HE CAN NOTIFY THE AUSTIN WATER AT 972-0000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METERS BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION PLANS.
- WATER AND WASTE WATER SERVICES WILL NEED TO BE REPLACED UP TO THE MAIN. REPAIR COUPLINGS ARE NOT ALLOWED ON NEW INSTALLATIONS.
- ALL MANHOLES IN UNPAVED AREAS PROVIDING DIRECT ACCESS TO A WASTEWATER LINE SHALL BE WATERTIGHT AND BEAR THE WORDING AND INSIGNIA FOR THE CITY OF AUSTIN.
- THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES, BELOW GROUND AND OVERHEAD, PRIOR TO STARTING ON-SITE UTILITY WORK.
- ALL WATER AND WASTEWATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPARATION DISTANCES INDICATED IN CHAPTER 290 - DRINKING WATER STANDARDS, CHAPTER 217 - DESIGN CRITERIA FOR SEWERAGE SYSTEMS AND CHAPTER 210 - DESIGN CRITERIA FOR RECLAIMED SYSTEMS OF TCEQ RULES.
- CONTRACTOR'S PERSONNEL THAT PERFORM BUTT FUSION AND ELECTROFUSION ON OR TO HDPE PIPE AND FITTINGS MUST HAVE CURRENT QUALIFICATION TRAINING CERTIFICATE ISSUED BY MCELROY OR COMPARABLE TRAINING PROGRAM.
- SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF TEXAS, SHALL BE SUBMITTED FOR AUSTIN WATER APPROVAL FOR LARGE DIAMETER PRE-CAST MANHOLES, JUNCTION BOXES, WET WELLS, AND SIMILAR STRUCTURES. THE SHOP DRAWINGS SHALL INCLUDE FLOWLINE ELEVATIONS OF ALL INCOMING AND OUTGOING PIPES, ELEVATION OF TRANSMISSION FROM LARGE DIAMETER SECTIONS TO 48" ID SECTION, TOP OF MANHOLE ELEVATION, SURROUNDING GROUND ELEVATION, AS WELL AS SPECIAL CONSTRUCTION CONSIDERATIONS THAT ARE SPECIFIED IN THE CONTRACT DRAWINGS.
- VALVE STEM EXTENSIONS SHALL CONSIST OF A SINGLE PIECE OF IRON ROD OF THE REQUIRED LENGTH WITH A SOCKET ON ONE END AND NUT ON THE OTHER.
- ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE ESSENTIALLY "LEAD FREE" ACCORDING TO THE US SAFE DRINKING WATER ACT. EXAMPLES ARE VALVES CORPORATION STOP, CURB STOP, AND PRESSURE REDUCING, NAPLES, BUSHINGS, FITTINGS, BACKFLOW PREVENTERS AND FIRE HYDRANTS. TAPPING SADDLES AND 2 INCH AND LARGER GATE VALVES ARE THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT EITHER BY MARKINGS ON THE COMPONENT OR ON THE PACKAGING SHALL NOT BE INSTALLED.
- ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED AND RETURNED TO AUSTIN WATER. NOTICE SHOULD BE GIVEN 48 HOURS PRIOR TO RETURN TO: PIPELINE OPERATIONS DISTRIBUTION SYSTEM MAINTENANCE, VALVES AND HYDRANT SERVICES, SUPERVISING AW PIPELINE TECHNICIAN AT 512-972-1133.
- ALL EXISTING WATER METERS IDENTIFIED TO BE RELOCATED OR ABANDONED AT THE DEVELOPMENT, SHALL BE REMOVED FROM THE METER BOX PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE DSD INSPECTOR.
- THE ENGINEER SHALL CALL OUT THE SIZE, TYPE AND USE (DOMESTIC OR IRRIGATION) OF ALL EXISTING WATER METERS TO BE RELOCATED OR REPURPOSED. WATER METER NUMBERS WILL NOT BE REQUIRED TO BE PLACED ON THE PLAN SHEET. A SEPARATE AUSTIN WATER TAPS OFFICE FORM WILL BE USED TO PROVIDE RELEVANT INFORMATION FOR THE EXISTING INFORMATION ON EXISTING METERS TO RECEIVE APPROPRIATE CREDITS. THIS FORM SHALL BE DIRECTLY SUBMITTED TO AUSTIN WATER TAPS OFFICE FOR REVIEW AND PROCESSING.
- NO CONNECTION MAY BE MADE BETWEEN THE PRIVATE PLUMBING AND AUSTIN WATER INFRASTRUCTURE UNTIL A CITY APPROVED WATER METER HAS BEEN INSTALLED.
- METER BOXES AND CLEAN OUTS SHALL NOT BE LOCATED WITHIN PAVED AREAS SUCH AS DRIVEWAYS AND SIDEWALKS.
- PROTECTED STREET STATUS IS SUBJECT TO CHANGE OVER TIME. IT IS THE OWNER'S RESPONSIBILITY TO CONFIRM THE STREET STATUS PRIOR TO CONSTRUCTION AS PROTECTED STREET STATUS WILL DIRECTLY IMPACT THE CONSTRUCTION COSTS. IF PROTECTED STREETS ARE PROPOSED TO BE DISTURBED, APPROVAL FROM THE STREET AND BRIDGE DIVISION OF THE TRANSPORTATION DEPARTMENT IS REQUIRED.

FIRE FLOW MAP



100% CONSTRUCTION DOCUMENTS
02/14/2020

mwm Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY
1	02/25/2020	UTILITY IMPROVEMENTS AND PARKING	

AW EXPIRATION STAMP
THREE YEARS FROM THE DATE OF SIGN-OFF

0 1"
The bar above measures one inch on the original drawing. Adjust scales accordingly.

REVIEWED
June 12, 2020

Austin Water Utility
Rovento Chapa, P.E.

New Sheet add details for Water and wastewater upgrades to site utilities. Add private lift station and private fire hydrants.

AUSTIN WATER GENERAL NOTES

DALTON LANE SITE UTILITIES AND SERVICE CENTER IMPROVEMENTS

AUSTIN, TX 78742

AUSTIN WATER GENERAL INFORMATION AND CONSTRUCTION NOTES FOR COMMERCIAL SITES AND SUBDIVISION PLANS

CITY OF AUSTIN
AUSTIN WATER
March 2019
VERSION 1.2
STANDARD NO.
1 OF 1

Meter Notice:
Meter 1.5 inches and larger must be purchased and ordered 90 days in advance of installation.

Meter(s) Requirement for Project:
Address: 901 & 811 DALTON LANE
Proposed Use: COMMERCIAL
Type: COMPOUND
Size: 3" GPM: 46.9
Service Units:

Reclaimed Meter(s) Requirement for Project:
Address: 901 & 811 DALTON LANE
Proposed Use: INDUSTRIAL
Type: COMPOUND
Size: 3" GPM: 3.6

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

FILE NUMBER: SP-06-00710 APPLICATION DATE: 02/25/2020
APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) CASE MANAGER - Lynda Courtney
PROJECT EXPIRATION DATE (ORD. #970905-A) DWPZ_D0Z_X

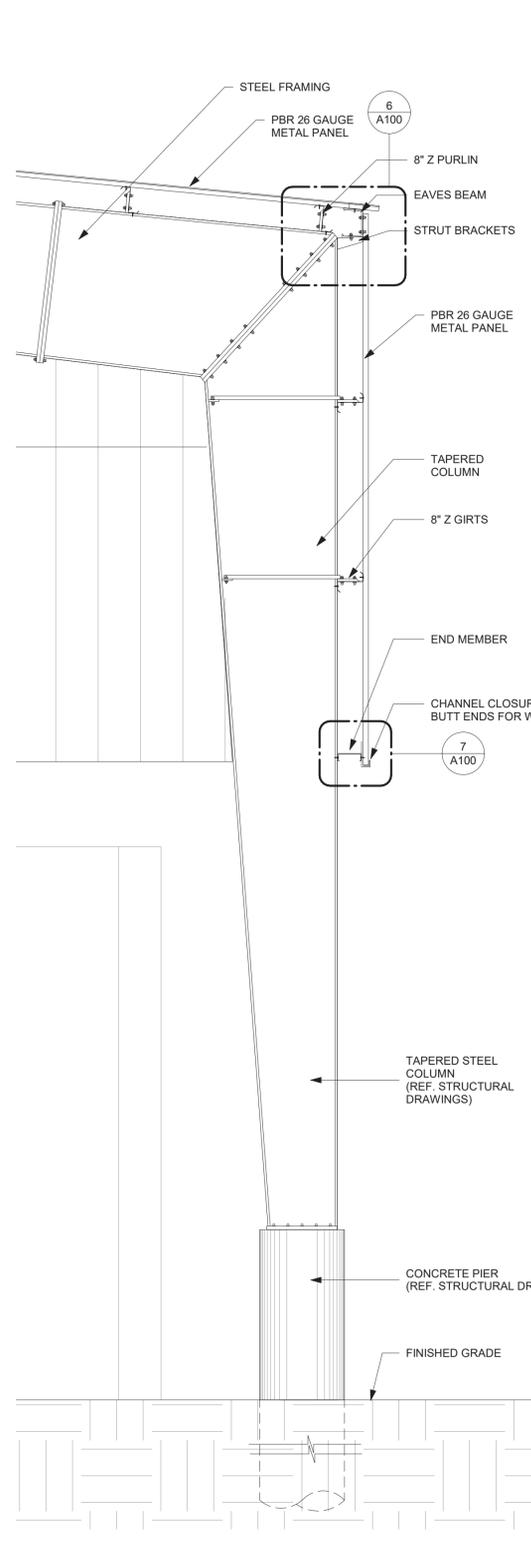
Director, Planning and Development Review Department
RELEASED FOR GENERAL COMPLIANCE: ZONING_AV
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

Final Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

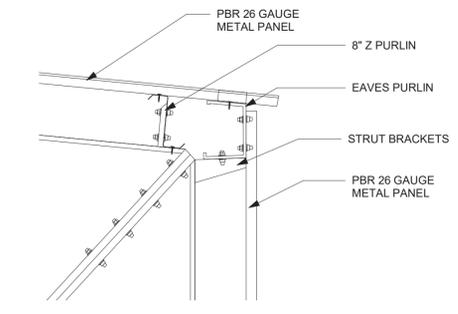
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

PLOTTED: 5/20/2020
JOB NO: 023-89A

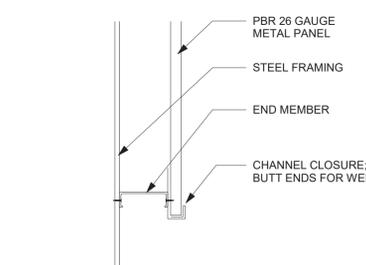
C311
26 OF 30



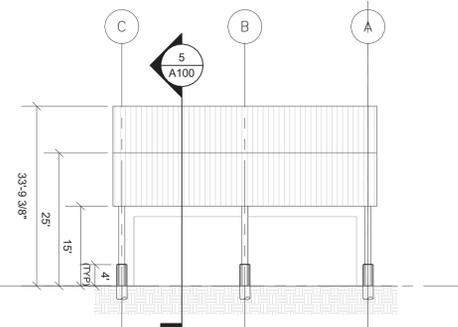
5 Covered Material Storage Front (South) Detail Section
1/2" = 1'-0"



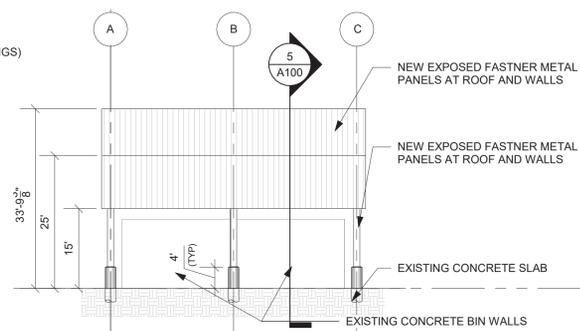
6 Covered Material Storage Front (South) Detail Eave Section
1" = 1'-0"



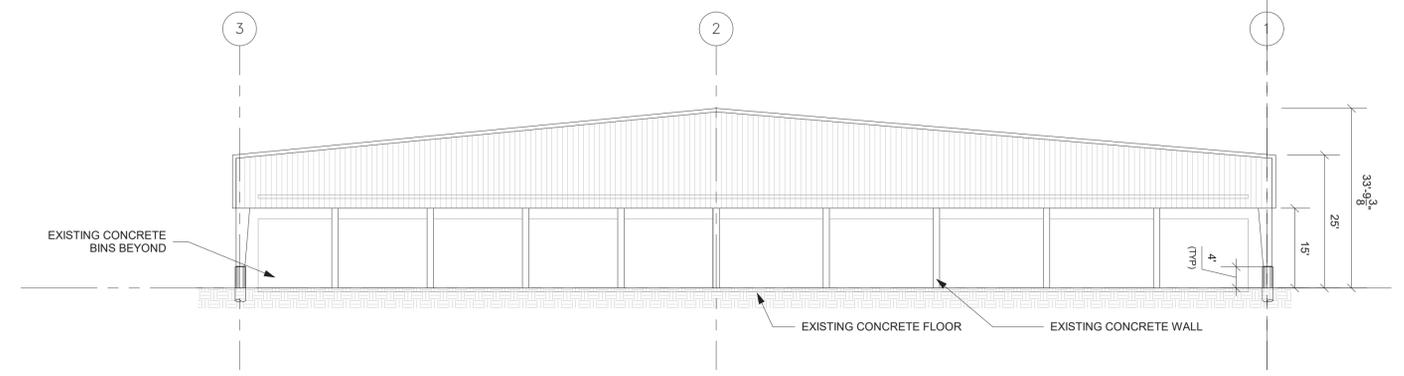
7 Covered Material Storage Front (South) Detail Channel Closure
1" = 1'-0"



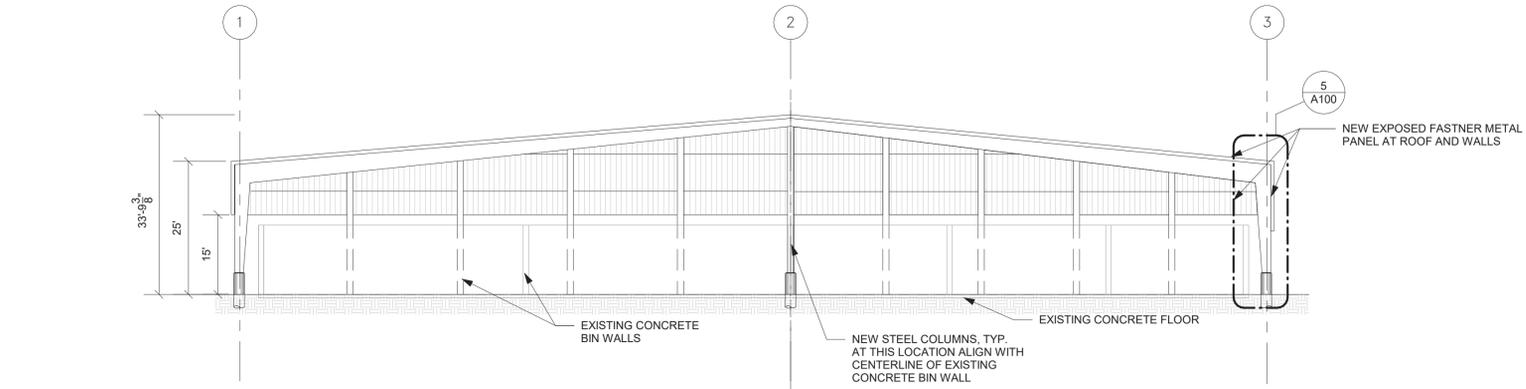
8 Covered Material Storage North Side Elevation
1/16" = 1'-0"



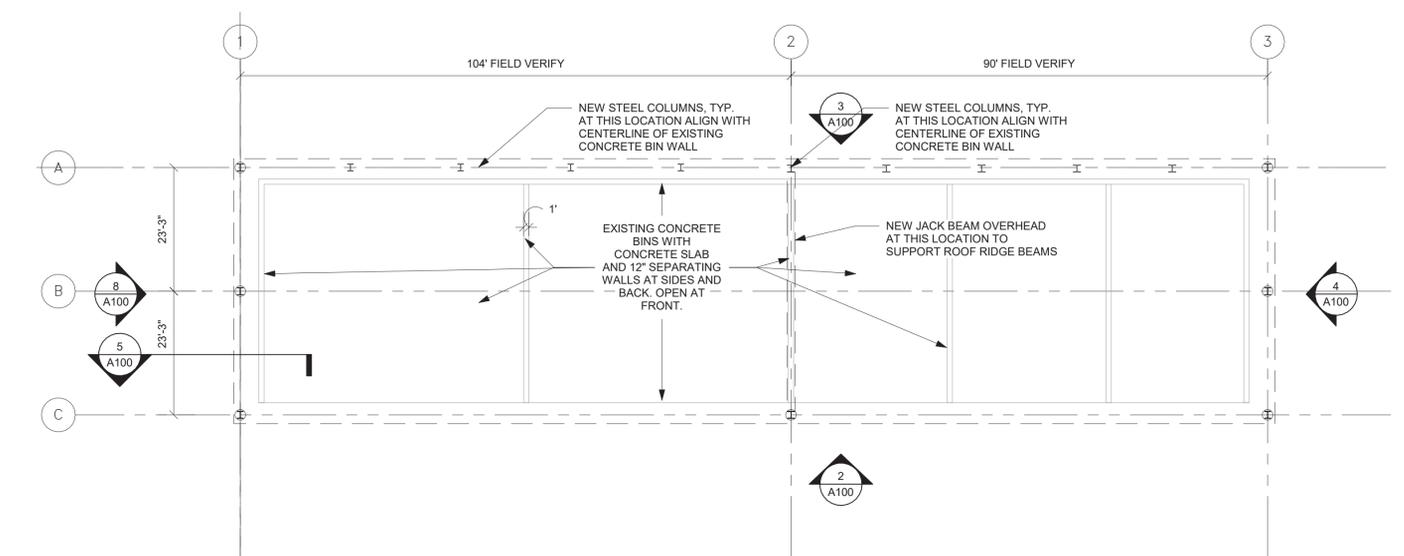
4 Covered Material Storage South Side Elevation
1/16" = 1'-0"



3 Covered Material Storage Back (North) Elevation
1/16" = 1'-0"



2 Covered Material Storage Front (South) Elevation
1/16" = 1'-0"



1 Covered Material Storage Plan
1/16" = 1'-0"



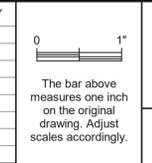
100% Construction Documents
02/14/2020

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TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



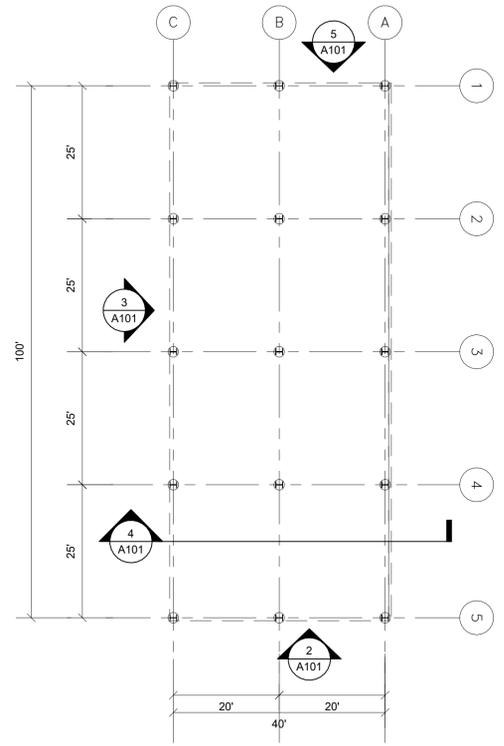
COVERED MATERIAL STORAGE PLANS

Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

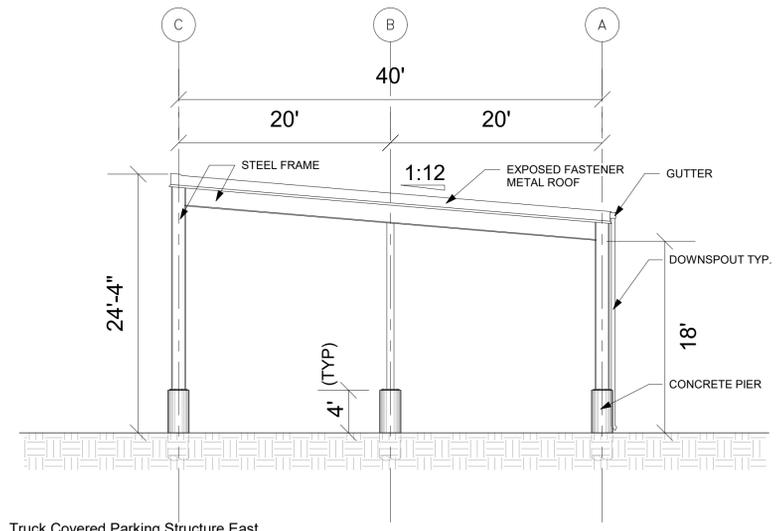
PLOTTED:
JOB NO: 023-89A

A100

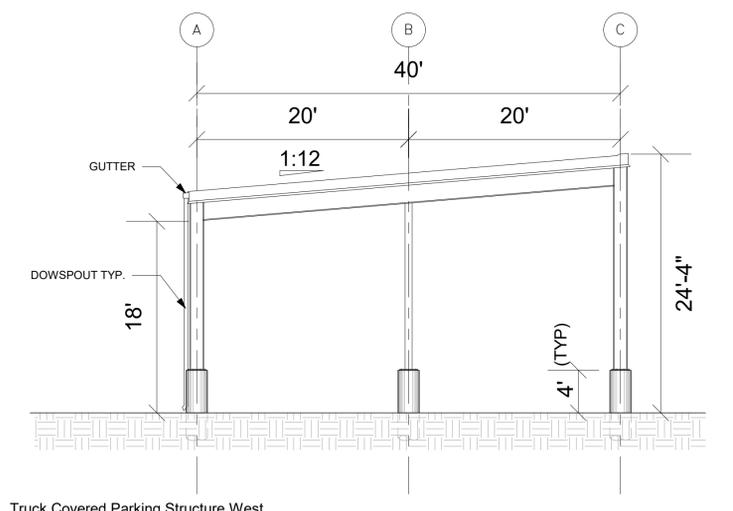
C:\ADS\KShare\Revit\Projects\023-89A_Dalton_Lane_CentralModel_mary@mwmengineering.com.rvt



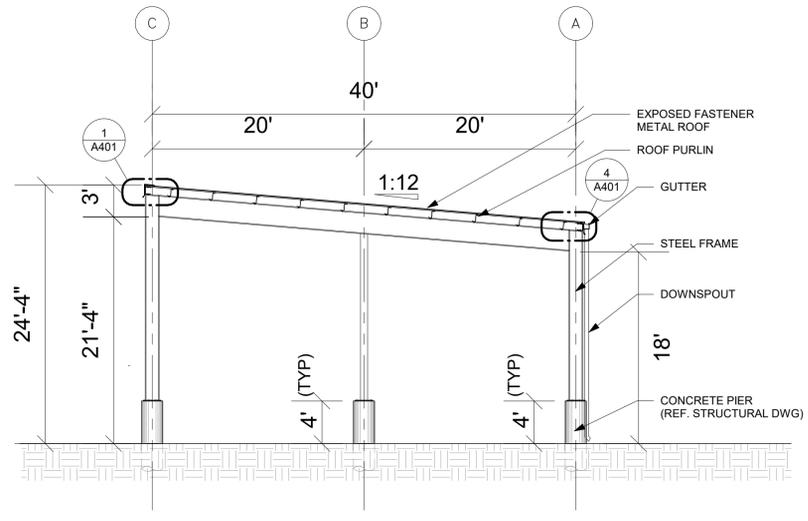
1 Truck Covered Parking Structure Plan
1/16" = 1'-0"



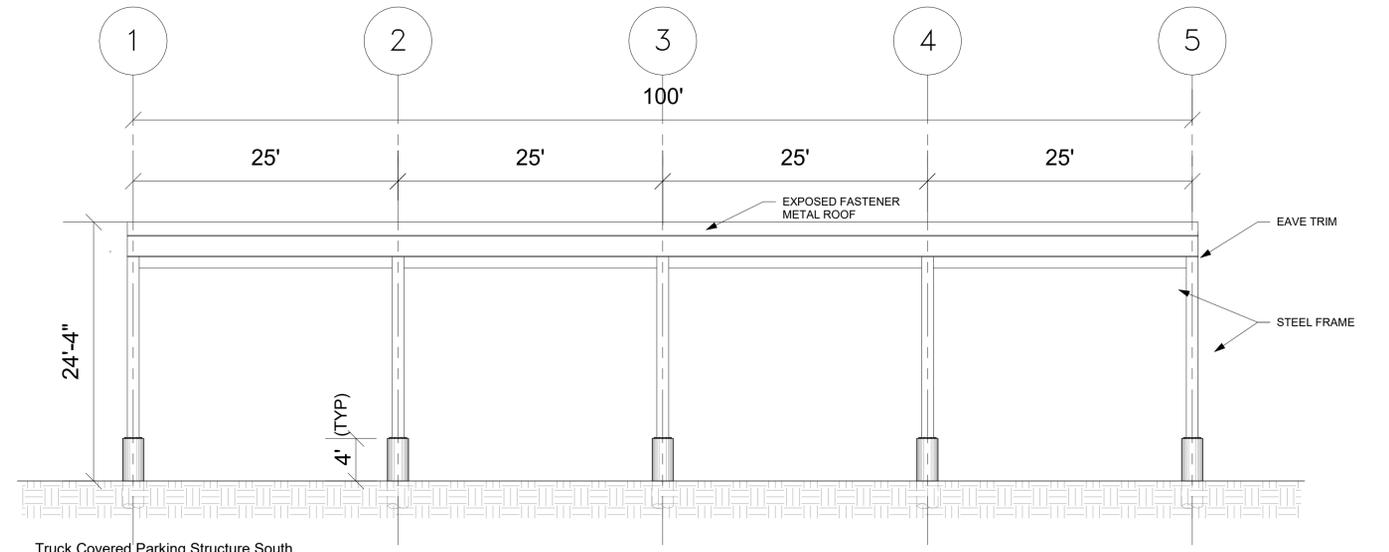
2 Truck Covered Parking Structure East
Elevation
1/8" = 1'-0"



5 Truck Covered Parking Structure West
Elevation
1/8" = 1'-0"



4 Truck Covered Parking Structure Section
1/8" = 1'-0"



3 Truck Covered Parking Structure South
Elevation
1/8" = 1'-0"



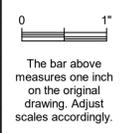
100% Construction Documents
02/14/2020



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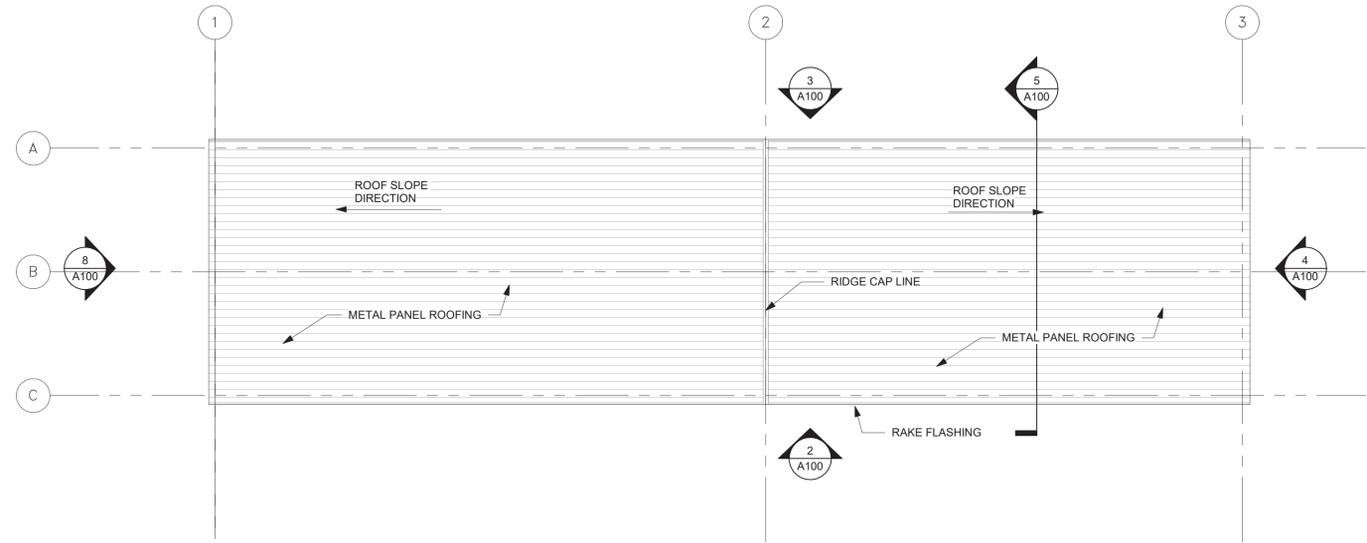


TRUCK COVERED PARKING STRUCTURE PLAN AND ELEVATIONS - ALTERNATE 01

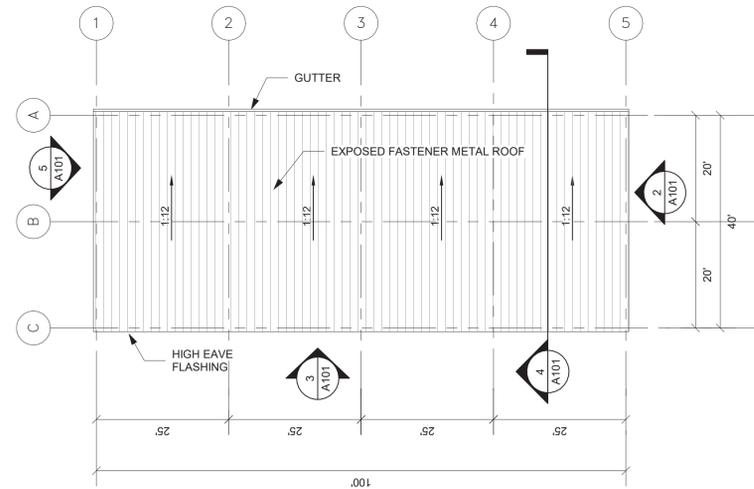
Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED: [red stamp]
JOB NO: 023-89A
A101

C:\ADSK\Share1\Revit\Projects\023-89A_Dalton_Lane_CentralModel_mari@mwmdesigngroup.com.rvt



1 Covered Material Storage ROOF PLAN
1/16" = 1'-0"



2 Covered Truck Parking Structure ROOF PLAN
1/16" = 1'-0"



100% Construction Documents
02/14/2020



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TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



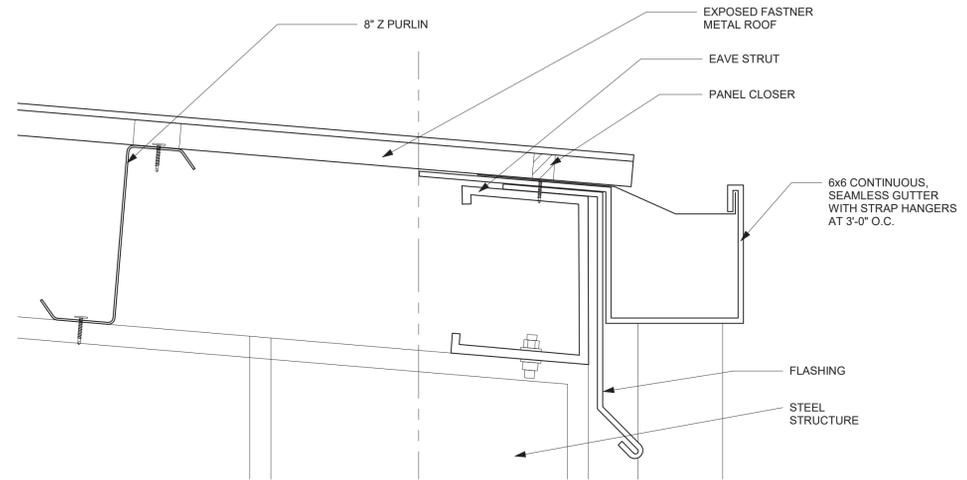
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ROOF PLANS

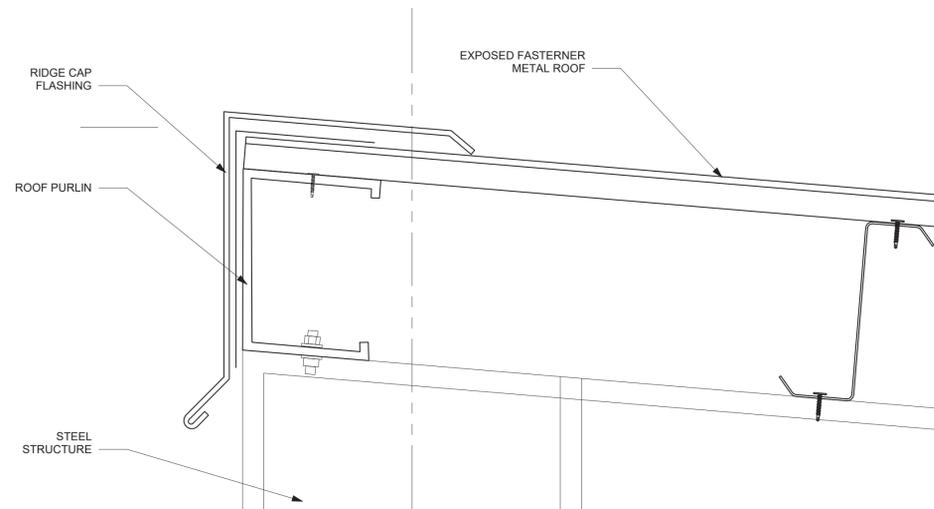
Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED:
JOB NO: 023-89A

A103



④ Gutter Detail
3" = 1'-0"



① RIDGE FLASHING DETAIL
3" = 1'-0"



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02/14/2020



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NO.	DATE	DESCRIPTION	BY



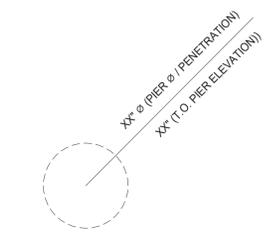
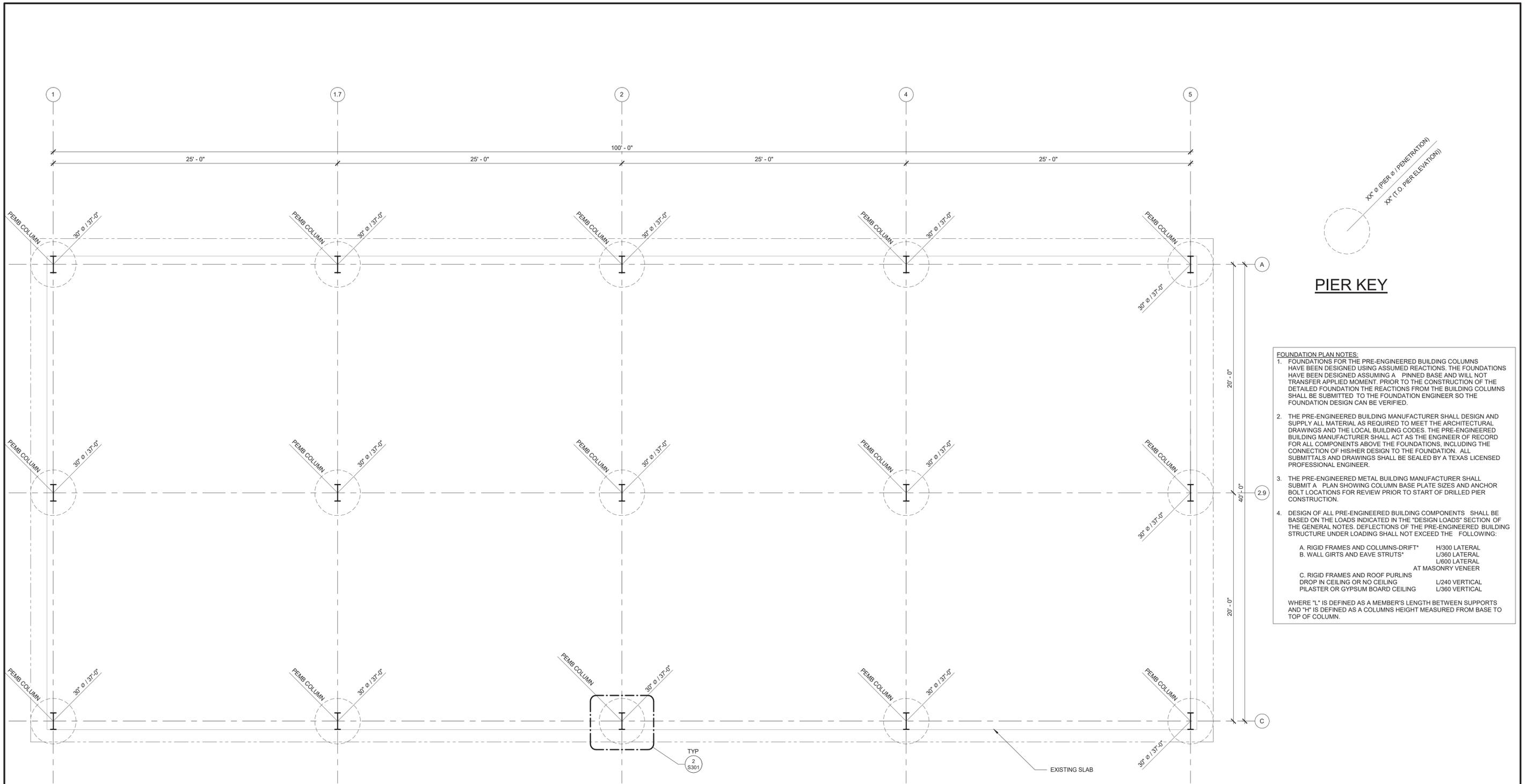
The bar above measures one inch on the original drawing. Adjust scales accordingly.

TRUCK COVERED PARKING STRUCTURE DETAILS

Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED:
JOB NO: 023-89A

A401



PIER KEY

- FOUNDATION PLAN NOTES:**
- FOUNDATIONS FOR THE PRE-ENGINEERED BUILDING COLUMNS HAVE BEEN DESIGNED USING ASSUMED REACTIONS. THE FOUNDATIONS HAVE BEEN DESIGNED ASSUMING A PINNED BASE AND WILL NOT TRANSFER APPLIED MOMENT. PRIOR TO THE CONSTRUCTION OF THE DETAILED FOUNDATION THE REACTIONS FROM THE BUILDING COLUMNS SHALL BE SUBMITTED TO THE FOUNDATION ENGINEER SO THE FOUNDATION DESIGN CAN BE VERIFIED.
 - THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL DESIGN AND SUPPLY ALL MATERIAL AS REQUIRED TO MEET THE ARCHITECTURAL DRAWINGS AND THE LOCAL BUILDING CODES. THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL ACT AS THE ENGINEER OF RECORD FOR ALL COMPONENTS ABOVE THE FOUNDATIONS, INCLUDING THE CONNECTION OF HIS/HER DESIGN TO THE FOUNDATION. ALL SUBMITTALS AND DRAWINGS SHALL BE SEALED BY A TEXAS LICENSED PROFESSIONAL ENGINEER.
 - THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL SUBMIT A PLAN SHOWING COLUMN BASE PLATE SIZES AND ANCHOR BOLT LOCATIONS FOR REVIEW PRIOR TO START OF DRILLED PIER CONSTRUCTION.
 - DESIGN OF ALL PRE-ENGINEERED BUILDING COMPONENTS SHALL BE BASED ON THE LOADS INDICATED IN THE "DESIGN LOADS" SECTION OF THE GENERAL NOTES. DEFLECTIONS OF THE PRE-ENGINEERED BUILDING STRUCTURE UNDER LOADING SHALL NOT EXCEED THE FOLLOWING:

A. RIGID FRAMES AND COLUMNS-DRIFT*	H/300 LATERAL
B. WALL GIRTS AND EAVE STRUTS*	L/360 LATERAL
	L/600 LATERAL
	AT MASONRY VENEER
C. RIGID FRAMES AND ROOF PURLINS	L/240 VERTICAL
DROP IN CEILING OR NO CEILING	L/360 VERTICAL
PLASTER OR GYPSUM BOARD CEILING	L/360 VERTICAL
- WHERE "L" IS DEFINED AS A MEMBER'S LENGTH BETWEEN SUPPORTS AND "H" IS DEFINED AS A COLUMNS HEIGHT MEASURED FROM BASE TO TOP OF COLUMN.

1 PEMB FOUNDATION PLAN - COVERED PARKING
1/4" = 1'-0"



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PHONE 512 499 0919
FAX 512 320 8521
WWW.STRUCTURESTX.COM
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PROJECT NO.: 18.006



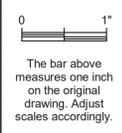
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TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



PEMB FOUNDATION PLAN - TRUCK COVERED PARKING ALTERNATE 01

Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

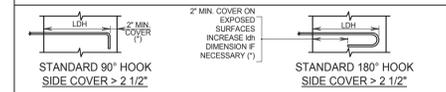
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JOB NO: 023-89A

S101

'Ldh' TENSION DEVELOPMENT LENGTH (EMBEDMENT LENGTH) FOR STANDARD END HOOKS

(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE



BAR SIZE	f _c =3000 PSI		f _c =4000 PSI		f _c =5000 PSI		f _c =6000 PSI		f _c =8000 PSI	
	LDH	LDH								
#3	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
#4	8"	7"	6"	6"	6"	6"	6"	6"	6"	6"
#5	10"	9"	8"	7"	7"	6"	6"	6"	6"	6"
#6	12"	10"	9"	8"	8"	7"	7"	7"	7"	7"
#7	14"	12"	11"	10"	10"	9"	9"	9"	9"	9"
#8	16"	14"	12"	11"	11"	10"	10"	10"	10"	10"
#9	18"	15"	14"	13"	13"	12"	12"	12"	12"	12"
#10	20"	17"	15"	14"	14"	13"	13"	13"	13"	13"
#11	22"	19"	17"	16"	16"	15"	15"	15"	15"	15"

- NOTES:
- WHEN EITHER SIDE OR END COVER IS SMALLER THAN 2 1/2", MULTIPLY "LDH" BY 1.4.
 - END CONCRETE COVER (90° HOOKS) > 2".
 - FOR 180° HOOKS AT RIGHT ANGLES TO EXPOSED SURFACES, 2" MINIMUM COVER TO TAIL SHALL BE PROVIDED.

TENSION LAP SPLICES - CLASS B - TOP & BOTTOM BARS

(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f _c = 3000 PSI		f _c = 4000 PSI		f _c = 5000 PSI		f _c = 6000 PSI		f _c = 8000 PSI	
	TOP	BOTTOM								
#3	28"	22"	24"	19"	22"	17"	20"	16"	17"	16"
#4	37"	29"	32"	25"	29"	22"	26"	20"	23"	18"
#5	47"	36"	40"	31"	36"	28"	33"	25"	29"	22"
#6	56"	43"	48"	37"	43"	33"	40"	31"	34"	26"
#7	81"	63"	70"	54"	63"	49"	58"	44"	50"	38"
#8	93"	72"	80"	62"	72"	55"	66"	51"	57"	44"
#9	105"	81"	91"	70"	81"	63"	74"	57"	64"	49"
#10	118"	91"	102"	79"	91"	70"	83"	64"	72"	56"
#11	131"	101"	113"	87"	101"	78"	93"	71"	80"	62"

- NOTES:
- TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR SPACING OR BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 'db', CLEAR COVER IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'ld' IS NOT LESS THAN CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2X 'db' AND CLEAR COVER IS NOT LESS THAN 'db'. WHERE 'db' IS THE NOMINAL DIAMETER OF THE BAR.
 - TOP BARS ARE HORIZONTAL REBAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE END DEVELOPMENT LENGTH.
 - FOR LIGHT WEIGHT CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
 - FOR EPOXY COATED BARS, MULTIPLY TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60 KSI.
 - FOR CLASS "A" SPLICE USE VALUE AS NOTED IN THE TENSION DEVELOPMENT LENGTH TABLE.

'Ld' TENSION DEVELOPMENT LENGTH

(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f _c = 3000 PSI		f _c = 4000 PSI		f _c = 5000 PSI		f _c = 6000 PSI		f _c = 8000 PSI	
	LD TOP	LD BOTTOM								
#3	22"	17"	19"	15"	17"	13"	15"	12"	13"	12"
#4	29"	22"	25"	19"	22"	17"	20"	16"	18"	14"
#5	36"	28"	31"	24"	28"	22"	25"	20"	22"	17"
#6	43"	33"	37"	29"	33"	26"	31"	24"	26"	20"
#7	63"	48"	54"	42"	49"	37"	44"	34"	38"	30"
#8	72"	55"	62"	48"	55"	43"	51"	39"	44"	34"
#9	81"	62"	70"	54"	63"	48"	57"	44"	49"	38"
#10	91"	70"	79"	61"	70"	54"	64"	49"	56"	43"
#11	101"	78"	87"	67"	78"	60"	71"	55"	62"	48"

- NOTES:
- TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR COVER OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'Ld' IS NOT LESS THAN CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2X 'db' AND CLEAR COVER IS NOT LESS THAN 'db'. WHERE 'db' IS THE NOMINAL DIAMETER OF THE BAR.
 - TOP BARS ARE HORIZONTAL REBAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
 - FOR LIGHT WEIGHT CONCRETE, MULTIPLY TABULATED VALUES BY 1.3.
 - FOR EPOXY COATED BARS, MULTIPLY TABULATED VALUES BY 1.5 FOR BOTTOM BARS, AND BY 1.3, FOR TOP BARS.
 - FOR REINFORCEMENT OTHER THAN GRADE 60, MODIFY THE TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60KSI.

'Ldc' COMPRESSION DEVELOPMENT LENGTH AND COMPRESSION LAP SPLICES

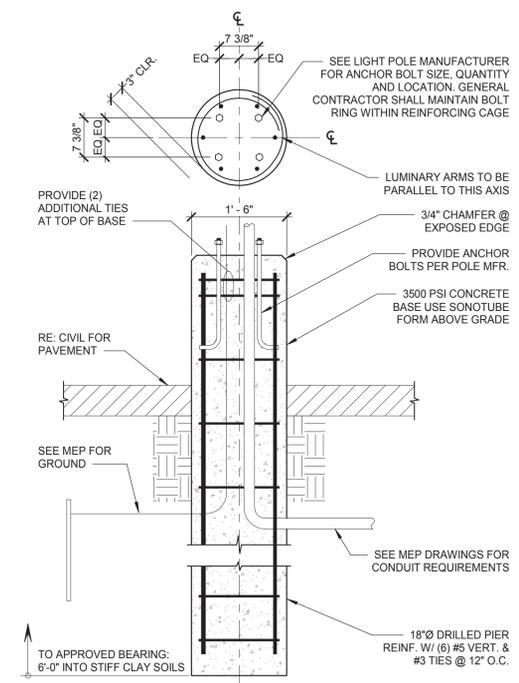
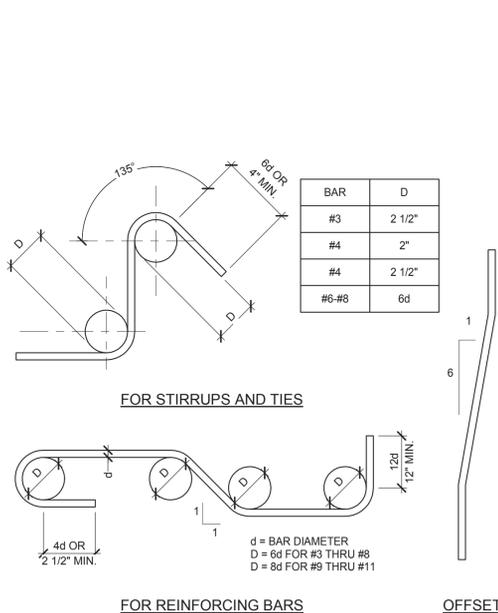
(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f _c ≥ 3000 PSI		MINIMUM LAP SPLICE	
	LDC	STANDARD LAP	STANDARD LAP	WITH COLUMN SPIRALS
#3	9"	12"	12"	12"
#4	11"	15"	15"	12"
#5	14"	19"	19"	14"
#6	17"	23"	23"	17"
#7	20"	26"	26"	20"
#8	22"	30"	30"	23"
#9	25"	34"	34"	25"
#10	28"	38"	38"	29"
#11	31"	42"	42"	32"

- NOTES:
- STANDARD LAP SPLICE LENGTH FOR COMPRESSION BARS = 30 BAR DIAMETERS, BUT NOT LESS THAN 12".
 - WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, SPLICE LENGTH SHALL BE THE LARGER OF LDC.
 - SPIRALS SHALL CONFORM TO ACI 7.10.4 & 10.9.3

1 LAP SPLICE SCHEDULE

3/4" = 1'-0"



NOTE:
SEE STRUCTURAL NOTES FOR CONCRETE SPECIFICATIONS

3 15' (MAX HEIGHT) LIGHT POLE FOUNDATION

3/4" = 1'-0"

2 BAR BENDING DIAGRAMS

3/4" = 1'-0"



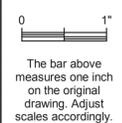
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TBPLS FIRM REGISTRATION NO.: 10065600

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TYPICAL CONCRETE DETAILS

Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

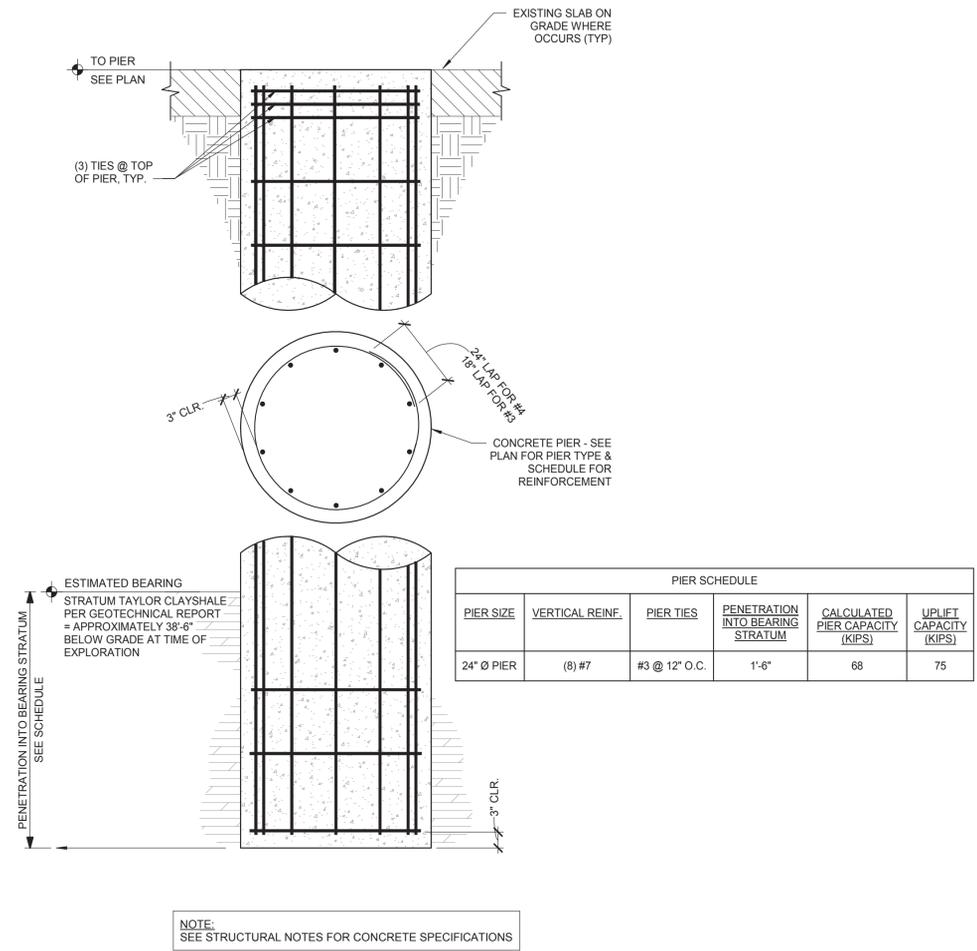
PLOTTED:
JOB NO: 023-89A

S300

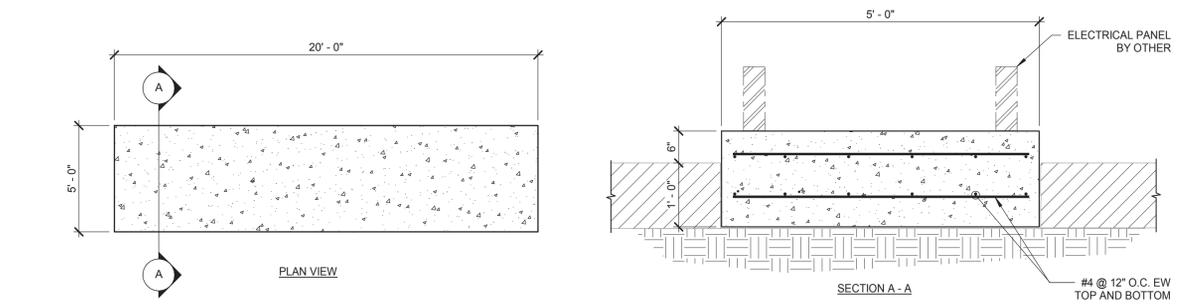


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FIRM NO.: F-3323
PROJECT NO.: 18.006

PIER NOTES:
 1. TEMPORARY STEEL CASING MAY BE REQUIRED DURING PIER DRILLING OPERATIONS. PRIOR TO PLACEMENT OF CONCRETE, ANY SEEPAGE WATER SHALL BE REMOVED FROM THE PIER HOLES. SPECIAL CONSTRUCTION PROCEDURES IN ACCORDANCE WITH ACI 308.1-01 AND SPECIFICATIONS SHALL BE FOLLOWED DURING EXTRACTION OF THE CASING AND DURING CONCRETE PLACEMENT.
 2. CONTRACTOR SHALL INCLUDE IN BID DOCUMENTS, UNIT-COSTS FOR CASING IF REQUIRED AND UNIT-COST FOR GREATER OR LESSER DEPTH OF DRILLING FOR EACH PIER SIZE.

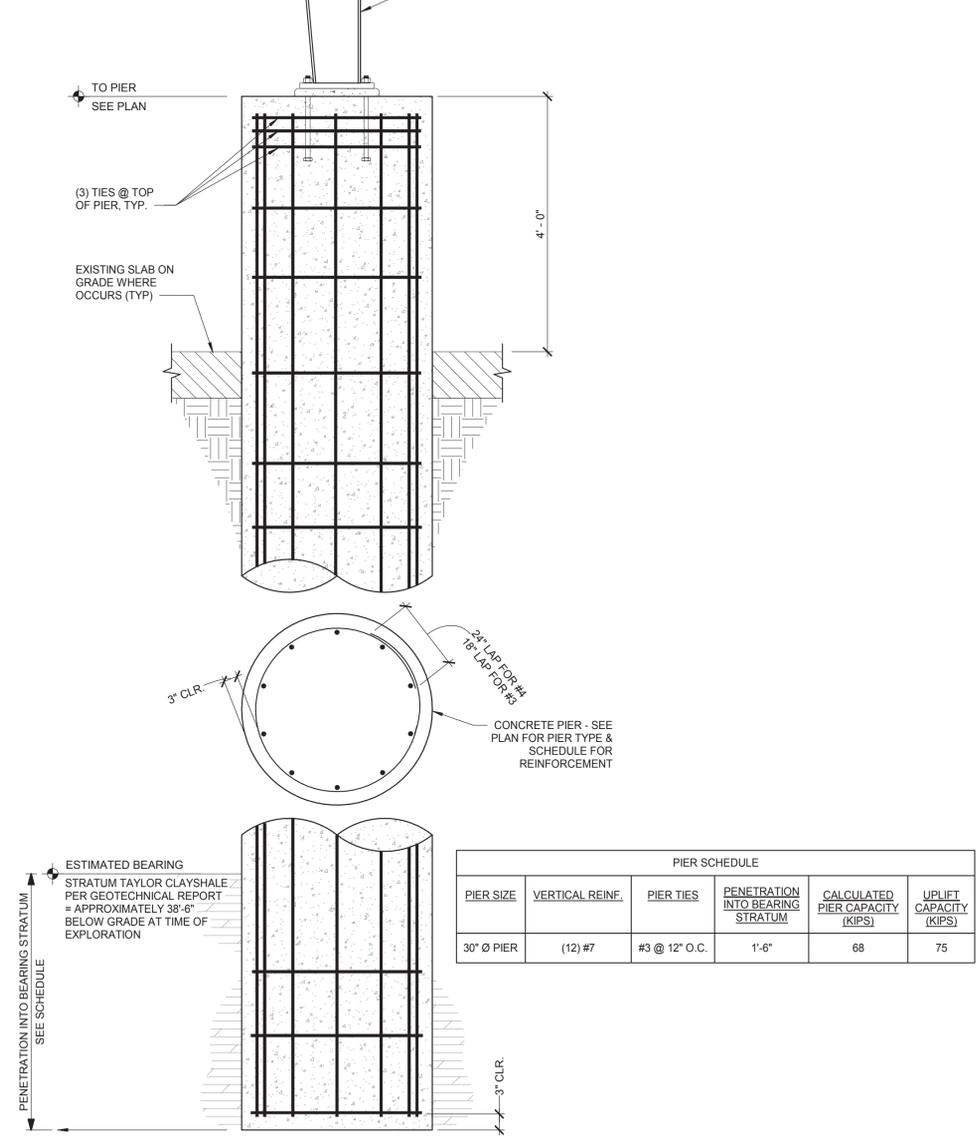


1 STRAIGHT SHAFT PIER SECTION AND SCHEDULE
 3/4" = 1'-0"



3 ELETRCIAL PANEL FOUNDATION PLAN AND SECTION
 1/4" = 1'-0"

PIER NOTES:
 1. SEE DETAIL 1/S301 FOR SIMILAR INFORMATION NOT SHOWN.



2 STRAIGHT SHAFT PIER SECTION AND SCHEDULE
 3/4" = 1'-0"



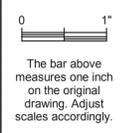
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 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



TYPICAL CONCRETE DETAILS

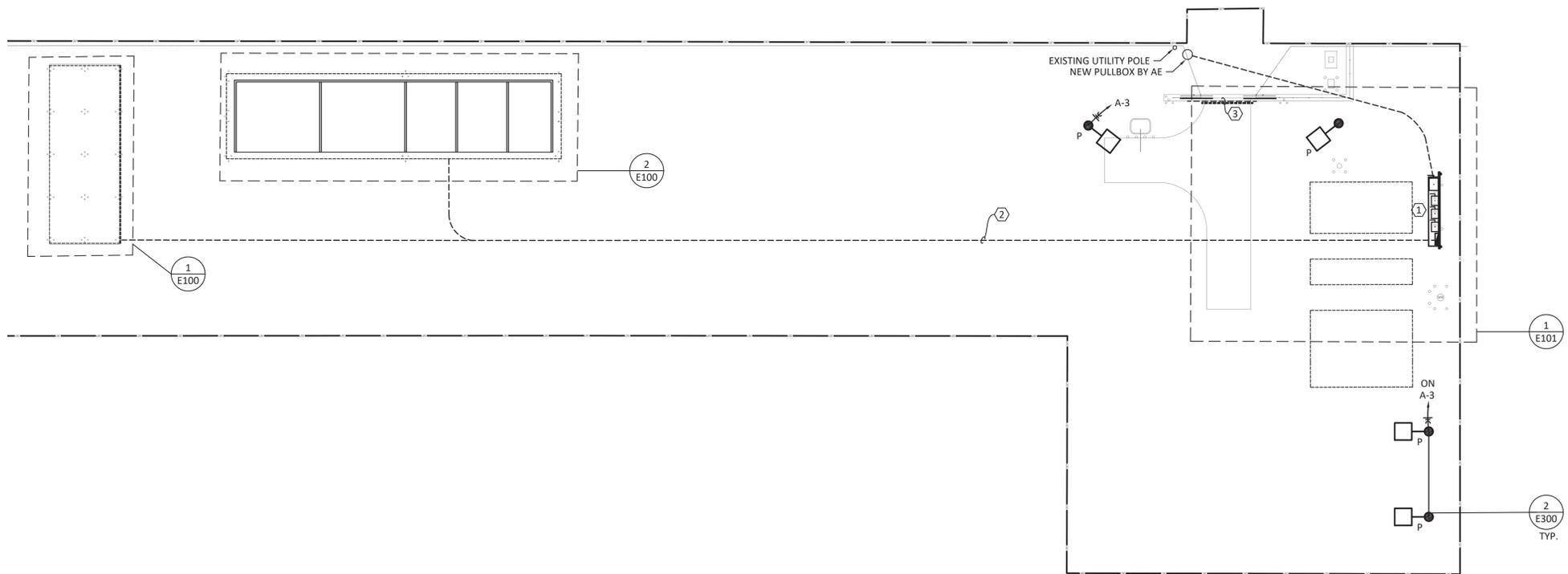
Dalton Lane Site Utilities and Service Center Improvements
 AUSTIN, TX 78742



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 FAX 512 320 8521
 WWW.STRUCTURESTX.COM
 FIRM NO.: F-3323
 PROJECT NO.: 18.006

PLOTTED:
 JOB NO: 023-89A

S301



NOTES

A. REFER TO GENERAL NOTES ON SHEET E000 FOR ADDITIONAL INFORMATION.

- KEYED NOTES**
1. ELECTRICAL EQUIPMENT RACK. REFER TO ENLARGED PLAN 1/E101 AND DETAIL 1/E400 FOR MORE INFORMATION.
 2. ROUTE CONDUITS FOR LIGHTING AND RECEPTACLE CIRCUITS TO TRUCK PARKING AND MATERIALS STORAGE STRUCTURES IN SHARED TRENCH WITH WATER PIPING.
 3. PROVIDE 2-4" SLEEVES UNDER DRIVEWAY.

1 ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"



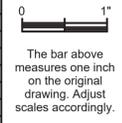
ENCOTECH
ENGINEERING CONSULTANTS
TBPE Firm 1141 | 8500 Bluffstone Cove, Suite B-103
Austin, Texas 78759 | 512.338.1101
Project No.: 18056.MS.AUS



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TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



ELECTRICAL SITE PLAN
Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED:
JOB NO: 023-89A
E051

NOTES

A. REFER TO GENERAL NOTES ON SHEET E000 FOR ADDITIONAL INFORMATION.

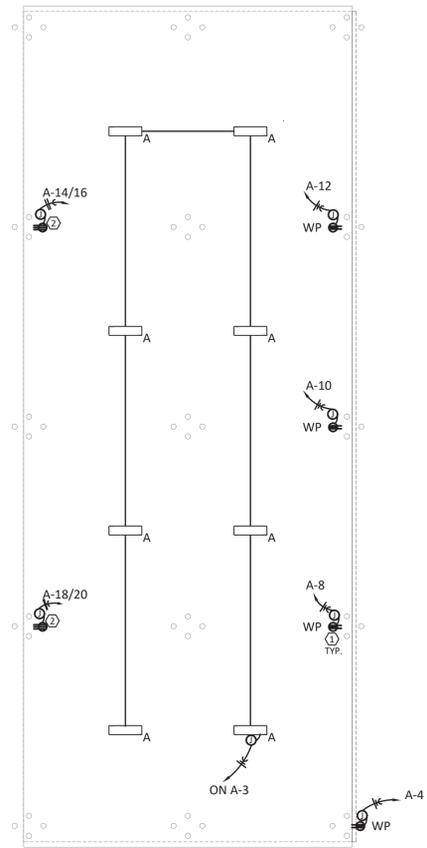
B. LIGHTING IS CONTROLLED BY LIGHTING CONTACT AND PHOTOCELL. REFER TO DETAIL 1/E500 FOR MORE INFORMATION.

KEYED NOTES

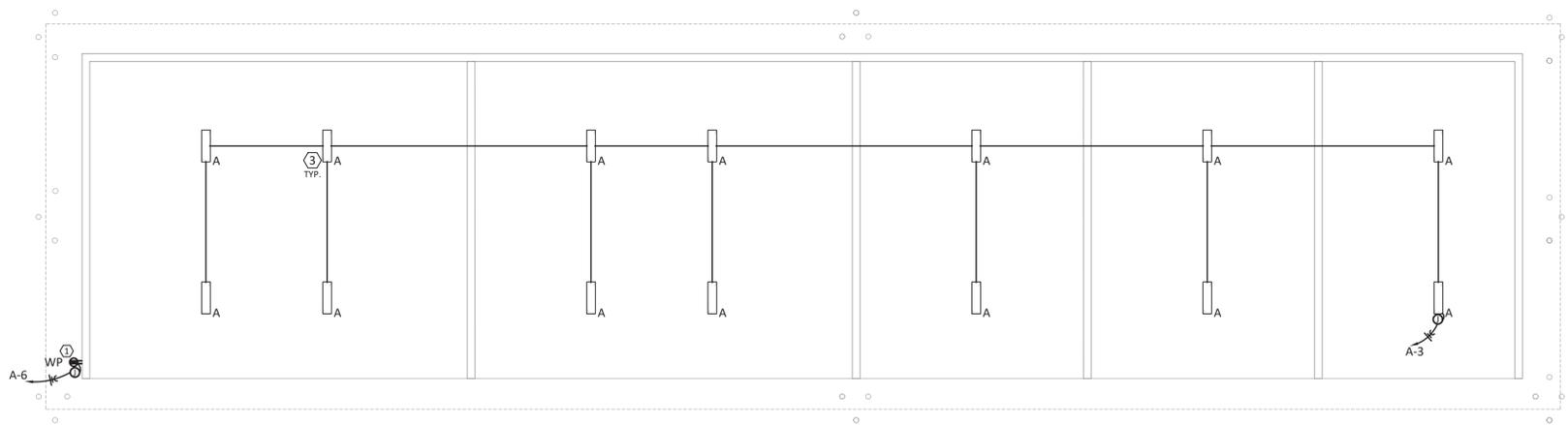
1. PROVIDE WEATHERPROOF GFCI PROTECTED RECEPTACLE. CIRCUIT AS SHOWN ON PLAN. SURFACE MOUNT RECEPTACLE ON STRUCTURE.

2. PROVIDE NEMA L6-30 TYPE RECEPTACLE IN WEATHERPROOF ENCLOSURE FOR USE WITH TRUCK MAINTENANCE EQUIPMENT. SURFACE MOUNT RECEPTACLE ON STRUCTURE. REFER TO DETAIL 3/E500 FOR MOUNTING DETAIL.

3. SURFACE MOUNT LIGHT FIXTURE TO ROOF OF STRUCTURE.



1 ENLARGED POWER PLAN - TRUCK COVERED PARKING - ALTERNATE 01
SCALE: 3/32"=1'-0"



2 ELECTRICAL POWER PLAN - MATERIALS STORAGE
SCALE: 3/32"=1'-0"

ENCOTECH
ENGINEERING CONSULTANTS

TBPE Firm 1141 | 8500 Bluffstone Cove, Suite B-103
Austin, Texas 78759 | 512.338.1101
Project No.: 18056.MS.AUS



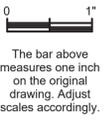
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NO.	DATE	DESCRIPTION	BY

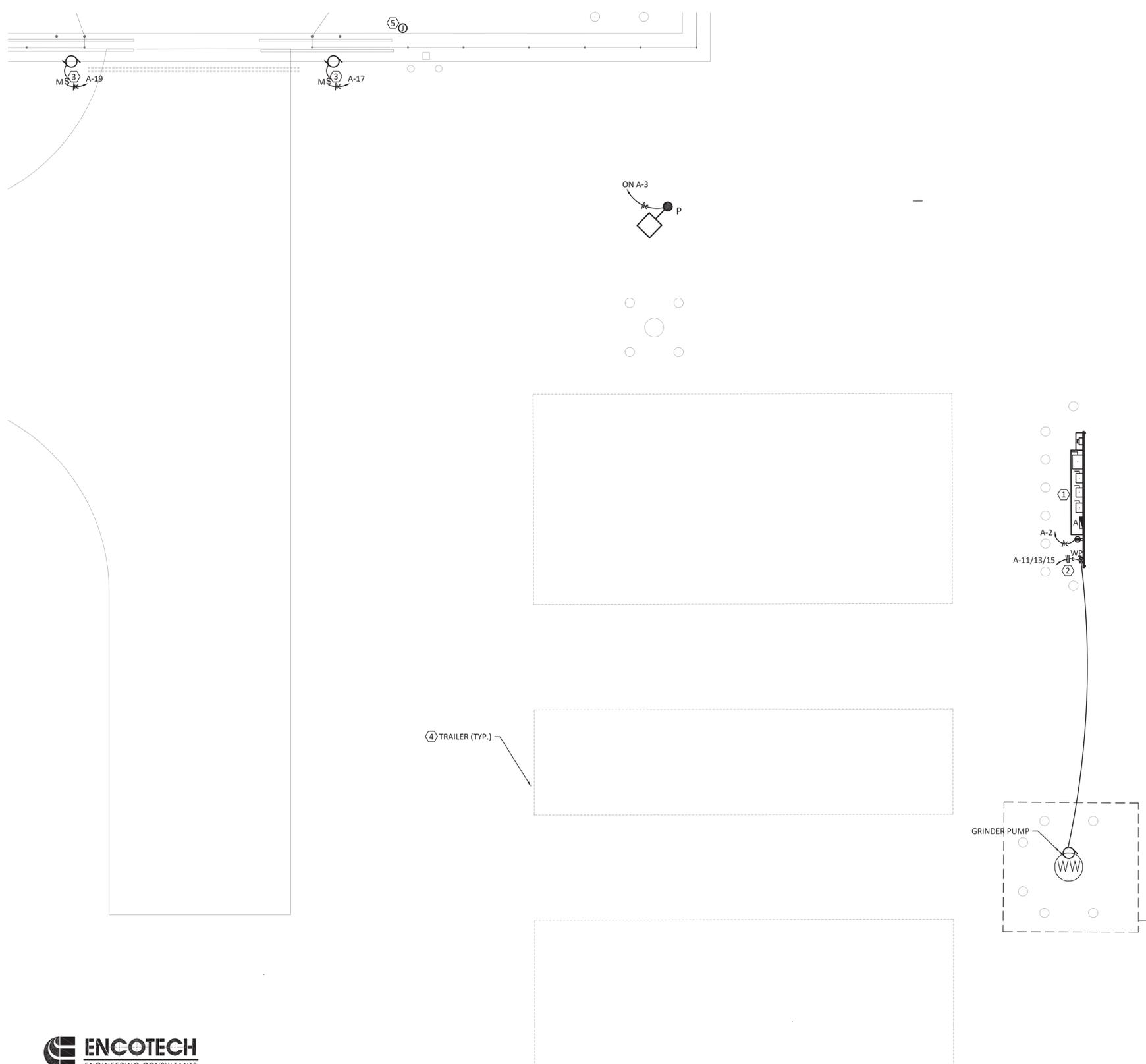


ELECTRICAL POWER PLAN - TRUCK COVERED PARKING & MATERIALS STORAGE

Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED:
JOB NO: 023-89A

E100



NOTES
 A. REFER TO GENERAL NOTES ON SHEET E000 FOR ADDITIONAL INFORMATION.

- KEYED NOTES**
1. ELECTRICAL EQUIPMENT RACK. REFER TO DETAIL 1/E400 FOR MORE INFORMATION.
 2. PROVIDE COMBINATION 30A/3P/N3R MOTOR STARTERS/DISCONNECT SWITCHES FOR GRINDER PUMP ON UNISTRUT RACK.
 3. PROVIDE MOTOR RATED SWITCH IN WEATHERPROOF ENCLOSURE FOR MOTORIZED GATE OPENER.
 4. PROVIDE FEEDERS AND DISCONNECTS FOR PORTABLE TRAILERS SIZED FOR 200A. ROUTE CONDUIT UNDERGROUND FROM EQUIPMENT RACK TO TRAILERS AND MAKE FINAL CONNECTIONS.
 5. PROVIDE JUNCTION BOX FOR CARD READER ON GATE. PROVIDE 3/4" CONDUIT FROM CARD READER TO MOTORIZED GATE OPENER.



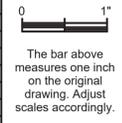
1 ENLARGED POWER PLAN - EQUIPMENT RACK
 SCALE: 1/8"=1'-0"



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 TBPE FIRM REGISTRATION NO.: F-1416
 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



ELECTRICAL POWER PLAN - EQUIPMENT RACK
 Dalton Lane Site Utilities and Service Center Improvements
 AUSTIN, TX 78742

PLOTTED:
 JOB NO: 023-89A
E101

DESIGNATION RANGE (ID)	GROUNDING ELECTRODE CONDUCTOR CU WIRE SIZE FOR:		
	GROUND ROD	CONCRETE-ENCASED ELECTRODE	STRUCTURAL STEEL AND METAL WATER PIPING (IF ANY)
20G-100G	#8	#8	#8
125G-150G	#6	#6	#6
175G-200G	#6	#4	#4
225G-300G	#6	#4	#2
350G-500G	#6	#4	#1/0
600G-800G	#6	#4	#2/0
1000G+	#6	#4	#3/0

NOTES:

- DESIGNATIONS REFER TO AMPERAGE FOLLOWED BY A "G." FOR EXAMPLE, 30G WOULD FALL WITHIN THE 20G-100G RANGE.
- CONDUCTOR CONNECTED TO FIRST ELECTRODE IN SYSTEM SHALL BE SIZED ACCORDING TO THE GROUNDING ELECTRODE REQUIRING THE LARGEST CONDUCTOR. ONLY AVAILABLE GROUNDING ELECTRODES IN SYSTEM SHALL BE CONSIDERED. ALL BONDING BETWEEN REMAINING ELECTRODES SHALL BE SIZED ACCORDING TO VALUE LISTED IN TABLE.
- GROUNDING ELECTRODE SYSTEMS SHALL CONSIST OF ALL AVAILABLE GROUNDING ELECTRODES.
- THIS TABLE IS BASED ON ARTICLE 250.66 OF THE NEC.

FEEDER AND BRANCH CIRCUIT SCHEDULE							NOTES:
MARK	# OF SETS	PHASE & NEU. CONDUCTORS (CU)	EQUIP. GRND CONDUCTOR (CU)	3PH / 4W CONDUIT SIZE	1 OR 3PH / 3W CONDUIT SIZE	1PH / 2W CONDUIT SIZE	
20	1	#12	#12	3/4"	3/4"	3/4"	
25	1	#10	#10	3/4"	3/4"	3/4"	
30	1	#10	#10	3/4"	3/4"	3/4"	
35	1	#8	#10	3/4"	3/4"	3/4"	
40	1	#8	#10	1"	3/4"	3/4"	
45	1	#8	#10	1"	3/4"	3/4"	
50	1	#8	#10	1"	1"	3/4"	
55	1	#6	#10	1-1/2"	1-1/2"	1"	
60	1	#6	#10	1-1/2"	1-1/2"	1"	
70	1	#4	#8	1-1/2"	1-1/2"	1"	
80	1	#4	#8	1-1/2"	1-1/2"	1"	
90	1	#3	#8	1-1/2"	1-1/2"	1"	
100	1	#3	#8	2"	1-1/2"	1-1/2"	
125	1	#1	#6	1-1/2"	1-1/2"	N/A	
150	1	#1/0	#6	2"	1-1/2"	N/A	
175	1	#2/0	#6	2"	2"	N/A	
200	1	#3/0	#6	2-1/2"	2"	N/A	
225	1	#4/0	#4	2-1/2"	2"	N/A	
250	1	250 KCMIL	#4	3"	2-1/2"	N/A	
300	1	350 KCMIL	#4	3"	3"	N/A	
350	2	#2/0	#3	2"	2"	N/A	
400	2	#3/0	#3	2-1/2"	2"	N/A	
500	2	250 KCMIL	#2	3"	2-1/2"	N/A	
600	2	350 KCMIL	#1	3"	3"	N/A	
800	3	300 KCMIL	#1/0	2-1/2"	2-1/2"	N/A	
1000	3	400 KCMIL	#2/0	4"	3"	N/A	
1200	4	350 KCMIL	#3/0	3"	3"	N/A	
1600	5	400 KCMIL	#4/0	4"	4"	N/A	
2000	6	400 KCMIL	250 KCMIL	4"	N/A	N/A	
2500	7	500 KCMIL	400 KCMIL	4"	N/A	N/A	
3000	8	500 KCMIL	400 KCMIL	4"	N/A	N/A	
3500	10	500 KCMIL	500 KCMIL	4"	N/A	N/A	
4000	10	600 KCMIL	500 KCMIL	4"	N/A	N/A	

NOTES:

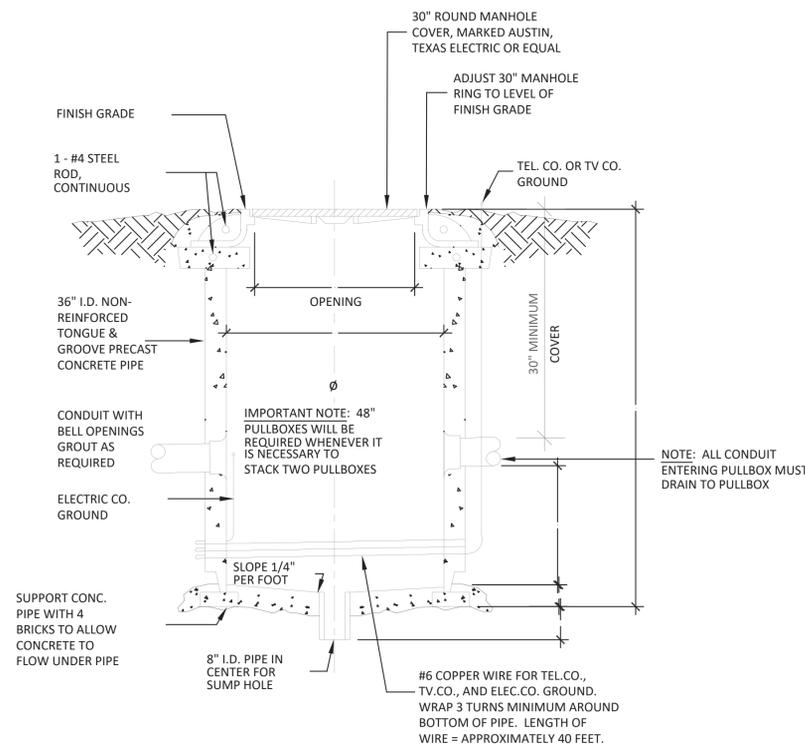
- FEEDER AND BRANCH CIRCUIT SCHEDULE IS BASED ON NEC TABLE 310.15(B)(16) AND TABLE 250.122.
- ALL NEUTRAL CONDUCTORS SHALL MATCH THE SIZE OF THE PHASE CONDUCTORS UNLESS OTHERWISE NOTED.
- FEEDER AND BRANCH CIRCUIT SCHEDULE IS NOT TO BE USED FOR SIZING SERVICE FEEDERS BEFORE MAIN OVERCURRENT PROTECTION EQUIPMENT.
- FEEDER AND BRANCH CIRCUIT MARK LEGEND

CIRCUIT MARK SEE FEEDER AND BRANCH CIRCUIT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZE

100 - 4 (NG, IF SHOWN = NO GND)

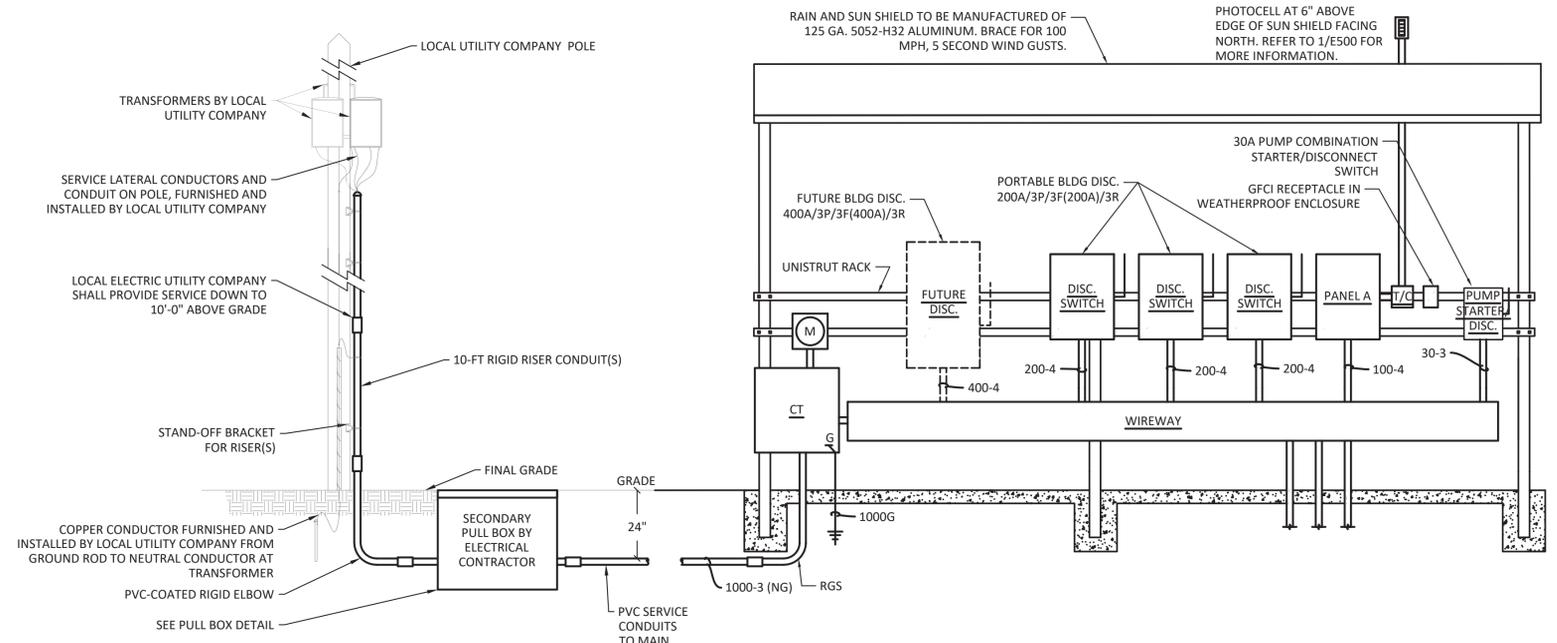
NUMBER OF PHASE CONDUCTORS
 4 = 3 PH / 4 WIRE
 3 = 1 OR 3 PH / 3 WIRE
 2 = 1 PH / 2 WIRE

NOTE: METAL RING AND CONCRETE RING, PRE-CAST TO FIT GROOVE DIA. AND DEPTH WITH 1/2" CLEARANCE AROUND EDGE OF PULLBOX



2 36" PULL BOX DETAIL
N.T.S.

LOAD ANALYSIS		
LOAD DESCRIPTION (LOAD IN KVA)	NEC CALCULATED LOAD	NOTES
PANEL A	17.57	
TRAILER 1	56.58	ESTIMATED FUTURE LOAD
TRAILER 2	56.58	ESTIMATED FUTURE LOAD
TRAILER 3	56.58	ESTIMATED FUTURE LOAD
FUTURE BUILDING	113.00	ESTIMATED FUTURE LOAD
TOTAL KVA	300.31	
TOTAL AMPS	834 A	208Y/120V, 3 PHASE, 4 WIRE



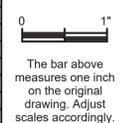
1 EQUIPMENT RACK DETAIL
N.T.S.



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02/14/2020

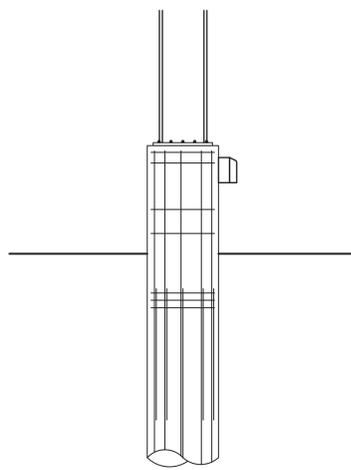


NO.	DATE	DESCRIPTION	BY



ELECTRICAL SCHEDULES
Dalton Lane Site Utilities and Service Center Improvements
AUSTIN, TX 78742

PLOTTED:
JOB NO: 023-89A
E400



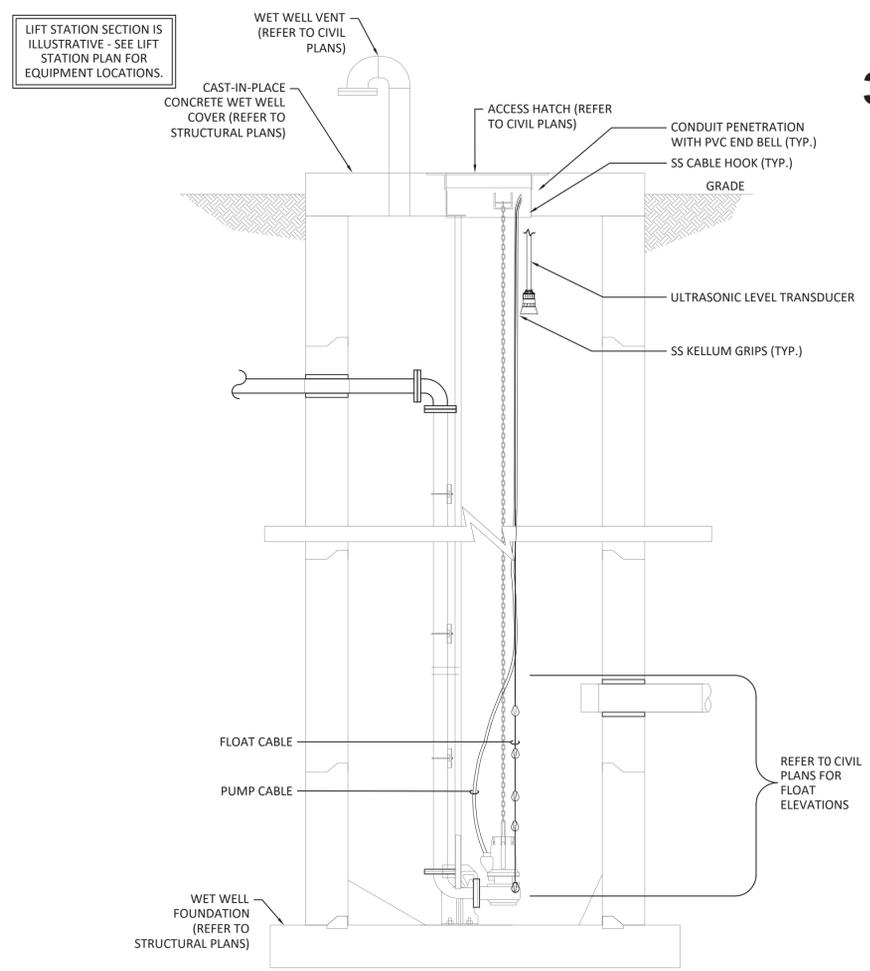
3 RECEPTACLE COLUMN MOUNTING DETAIL
N.T.S.

PANELBOARD SCHEDULE										LOCATION: EQUIPMENT RACK	
WIRE SIZE	TYPE	VOLTAGE	PHASE	WIRE	MOUNTING			BUS (A)	LUG	TYPE	WIRE SIZE
					USE and/or AREA SERVED	C/B POLE	CLIP				
125-2		208Y/120V	3	4				100	MCB	NEMA 3R	
					LOAD	98"	98"				
					1	500					
					2	1000					
					3	1798					
					4	1000					
					5	1000					
					6	1000					
					7	1000					
					8	1000					
					9	1000					
					10	1000					
					11	955					
					12	1000					
					13	955					
					14	1000					
					15	500					
					16	955					
					17	500					
					18	1000					
					19	500					
					20	1000					
					21	500					
					22						
					23						
					24						
TOTAL LOAD PER PHASE					5455	5253	5455	5455 VA / 120 V = 45 A			
① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HID ⑦ LOCKABLE OPTIONS: NONE - REFER TO SPECIFICATIONS											

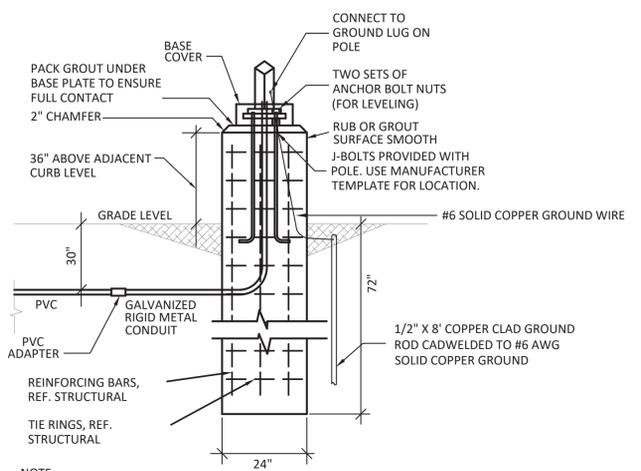
FEEDER OCPD AND CONDUCTOR CALCULATION						
LOAD DESCRIPTION (LOAD IN KVA)	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	AMPACITY FACTOR	FEEDER AMPACITY	NOTES
INTERIOR LIGHTING	0.00	1.00	0.00	1.25	0.00	
EXTERIOR LIGHTING	1.80	1.00	1.80	1.25	2.25	
RECEPTACLES	8.00	*	8.00	1.00	8.00	*FIRST 10 KVA AT 100%, REST AT 50%
HVAC EQUIPMENT	0.00	1.00	0.00	1.00	0.00	
KITCHEN EQUIPMENT	6.37	1.00	6.37	1.00	6.37	
LARGEST MOTOR	0.00	1.00	0.00	0.25	0.95	
SPARE	0.00	1.00	0.00	1.00	0.00	
TOTAL KVA	16.16	-	16.16	-	17.57	
TOTAL AMPS	45 A	-	45 A	-	49 A	

LIGHTING FIXTURE SCHEDULE									
MARK	MANUFACTURER	MODEL	VOLTAGE	LAMPING				MOUNTING	DESCRIPTION
				QTY	WATTAGE	TYPE	TEMP		
A	LITHONIA	VAP-4000LM-PCL-MD-MVOLT-40K-90CRI	120	1	33	LED	4000K	SURFACE	SURFACE MOUNT LINEAR LED.
P	LITHONIA	CSX2-120C-700-50K-T4M-MVOLT-SPA	120	1	268	LED	4000K	POLE	LED POLE LIGHT.

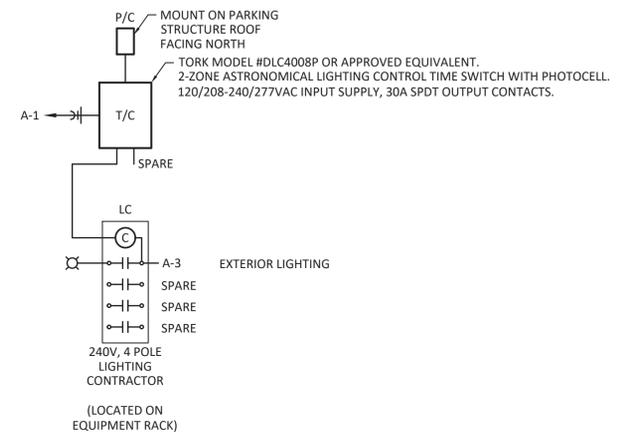
NOTES:
1. FINISHES TO BE SELECTED BY ARCHITECT DURING SUBMITTAL PHASE.



3 WET WELL DETAIL
N.T.S.



2 POLE BASE DETAIL
N.T.S.



1 EXTERIOR LIGHTING CONTROL DIAGRAM
N.T.S.



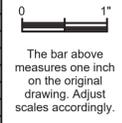
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Project No.: 18056.MS.AUS



100% DESIGN SUBMITTAL
02/14/2020

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TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



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