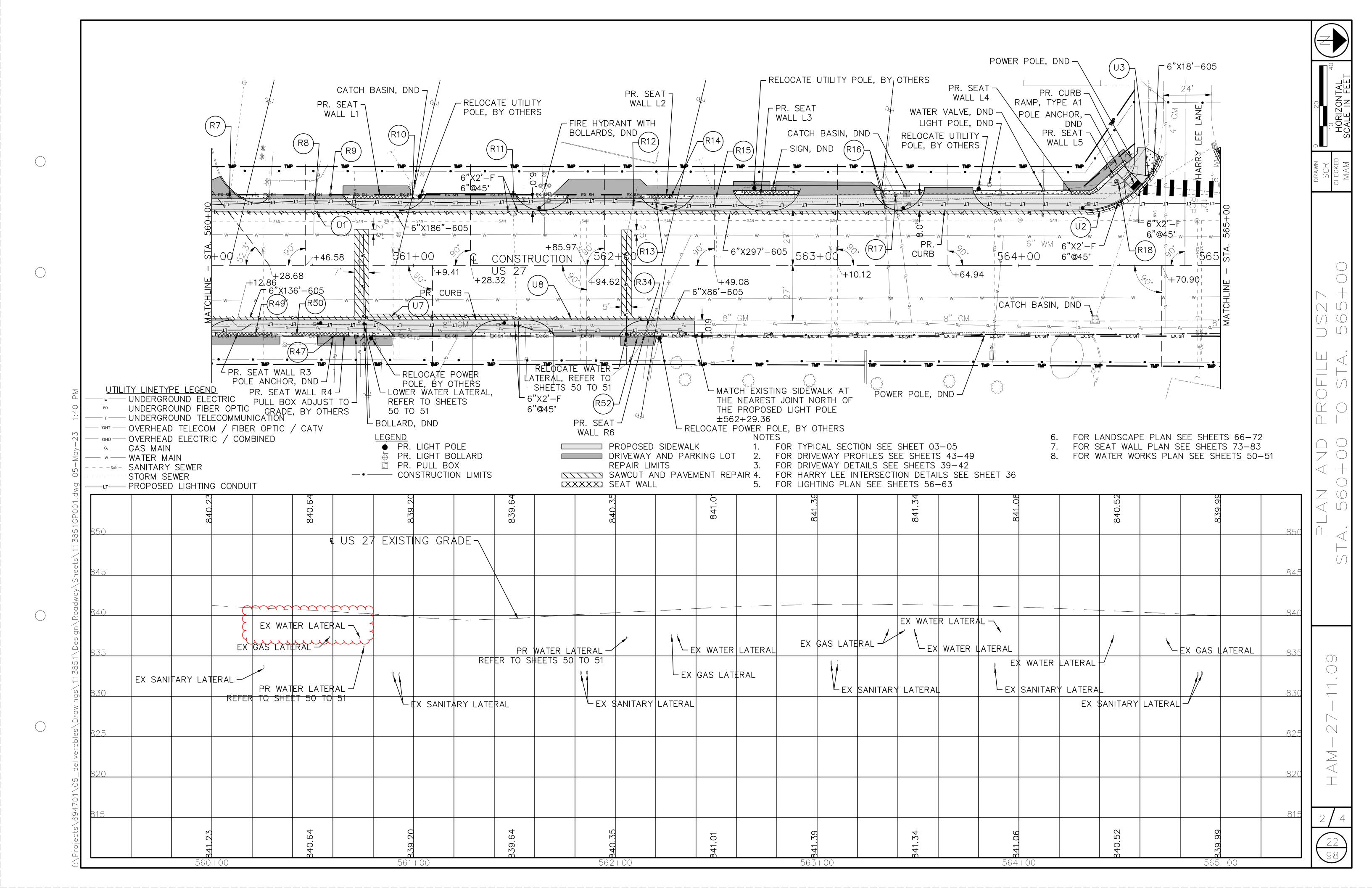
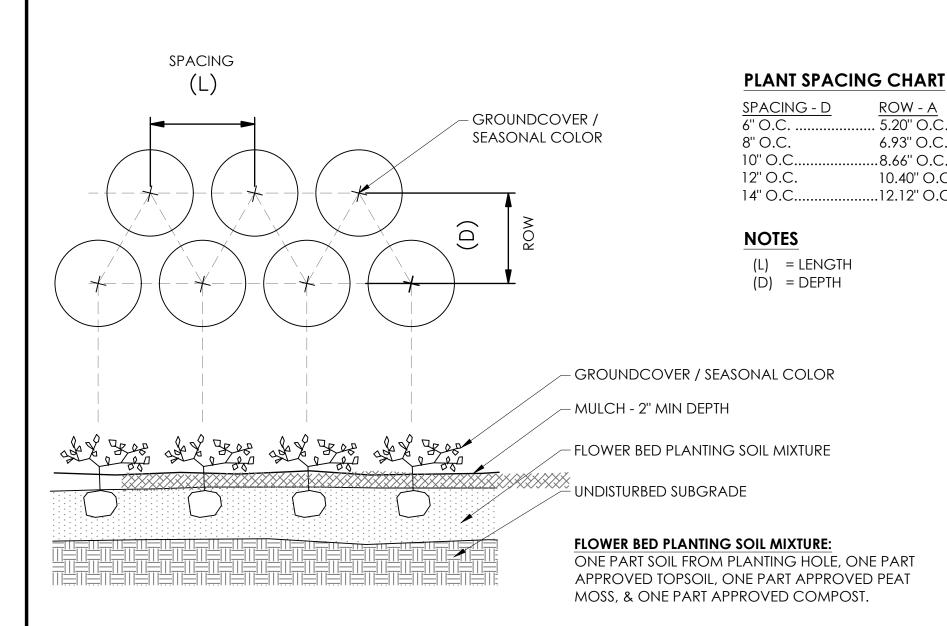
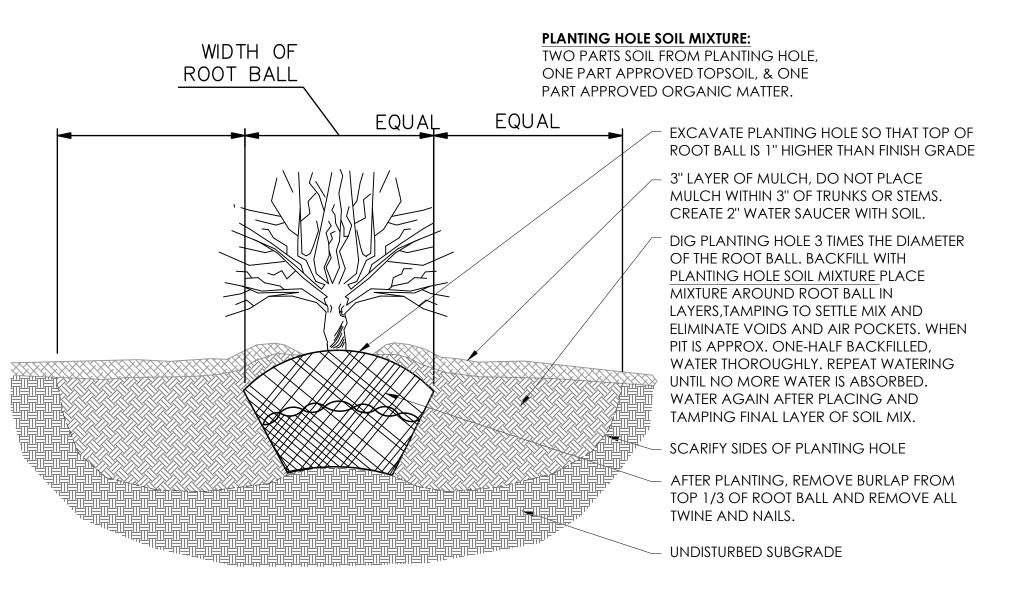
					SH	HEET NU	JM.						PART.		ITEM	GRAND				ATED R KED
6	7	8	9	16	17	18	19	20	57	71	73		1/MPO/28	ITEM	EXT	TOTAL	UNIT	DESCRIPTION		CALCUL
																		ROADWAY		
						650	288	692					1,630	202	23000	1,630		PAVEMENT REMOVED		_
						15,282		F.C.					15,282	202	30000	15,282		WALK REMOVED		
					1	2,561		56					2,617	202	32000 58101	2,617		CURB REMOVED  CATCH BASIN REMOVED, AS PER PLAN	7	-
LS			$\sim\sim$	$\sim\sim$		$\sim$	$\sim$		~~~	$\sim$	$\sim$	$\sim\sim$	LS	202 201	58101 11000	LS	<del> </del>	CLEARING AND GRUBBING	,	1
	$\overline{}$	$\overline{}$		<del>~~~</del>										201	11000	LS		EROSION CONTROL		1
							<u> </u>						68	203	10000	68	CY	EXCAVATION		1
						7							7	203	10001	7	CY	EXCAVATION, AS PER PLAN	6	1
													68	203	20000	68	CY	EMBANKMENT		]
37													37	659	00300	37	CY	TOPSOIL		
000													000	050	40000	222	0)/			
336													336 17	659	10000	336		SEEDING AND MULCHING		-
17 0.05													0.05	659 659	14000 20000	17 0.05		REPAIR SEEDING AND MULCHING  COMMERCIAL FERTILIZER		-
0.03													0.03	659	31000	0.03	ACRE	LIME		1
0.07							<del> </del>	<del> </del>					0.01	000	01000	0.07	/\OI\L			1
1.8													1.8	659	35000	1.8	MGAL	WATER		
													34,752	832	30000	34,752		EROSION CONTROL		<b>†</b> >
					1		1	1								·				
																		DRAINAGE		
					1,983								1,983	605	14000	1,983		6" BASE PIPE UNDERDRAINS		
					126								126	611	00510	126		6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		
	100												100	611	00901	100	FT	6" CONDUIT, TYPE B, AS PER PLAN, FOR DRAINAGE CONNECTION	6	
													4	044	00054	4	EAGU	CATOULD A OIN EDAME AND ODATE AC DED DUAN		$\bigcirc$
				15	1								1	611	98651	1		CATCH BASIN FRAME AND GRATE, AS PER PLAN	6	
				15									15	611	99654	15	EACH	MANHOLE ADJUSTED TO GRADE		
							<u> </u>											PAVEMENT		
$\geq$ $\square$						2,014	288	1,351					3,653	204	10000	3,653	SY	SUBGRADE COMPACTION		<b> </b>
20						159	84	178					421	302	56000	421		ASPHALT CONCRETE BASE, PG64-22, (449)		
· · ·						316	48						364	304	20000	364		AGGREGATE BASE, 6" DEPTH		
Σ.						32	16	34					82	407	10000	82		TACK COAT		
/-2																				]
May						24	12	26					62	442	22100	62		ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)		
- 5					$\sim$				~~~	~~~~	~~~				10021	<u>~28~</u>		6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA, AS PER PLAN	4	
5					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	203		741					944	452	12020	944		8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		
Ŏ					V.	7,798	uu	m	uuu		uu	ww	7,798	<u> </u>	12000	~7.798~	ustu	5" CONCRETE WALK		_
00						2,458							2,458	608	12001	2,458	SF	5" CONCRETE WALK, AS PER PLAN	7	_
000						728							728	608	52000	728		CURB RAMP		1
35.1						2,508		75					2,583	609	26000	2,583		CURB, TYPE 6		_
138						2,000							LS	SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION.	7	1
S														300 30 30 30 30 30 30 30						1
eet																		WATER WORK		1
NS				1									1	202	75610	1	EACH	VALVE BOX REMOVED		]
/dy/						57							57	625	29000	57		TRENCH		
> D D D				3									3	638	10400	3	EACH	FIRE HYDRANT ADJUSTED TO GRADE		
X				4.0	<b>_</b>		<u> </u>	<u> </u>			ļ		46	000	10000	40	E 4 6 : :	VALVE DOVAD HISTED TO OBASE		4
				13				<u> </u>					13	638	10800	13		VALVE BOX ADJUSTED TO GRADE		4
0 e S = S = S = S = S = S = S = S = S = S				4	<u> </u>		<del>                                     </del>	<del>                                     </del>					4 127	638 SPECIAL	10900 63820770	4 127		SERVICE BOX ADJUSTED TO GRADE  1" COPPER WATER SERVICE LINE, GCWW SPEC 1126	65	<u> </u>
					<del> </del>	-	<del> </del>	<del> </del>	1		<del> </del>		2	SPECIAL	63820770	121		SERVICE BOX, GCWW SPEC 1131	50-51	1
282								<del> </del>						OI LOIAL	00020304				30-31	
					<u> </u>		1	1							1			LIGHTING		
SD					<u> </u>			1	212				212	625	00450	212	EACH	CONNECTION, FUSED PULL APART662511704		1 ,
									103				103	625	00460	103		CONNECTION, UNFUSED PULL APART		
D La																				
S									29				29	625	10481	29		LIGHT POLE, DECORATIVE, AS PER PLAN	65	<b>]</b>
D D E									29				29	625	14501	29		LIGHT POLE FOUNDATION, AS PER PLAN	65	
Verc									9				9	625	10500	9		LIGHT POLE, MISC.:LIGHT BOLLARD, AS PER PLAN	65	]
<u>-</u>					ļ		<u> </u>	<u> </u>	9		ļ		9	625	14600	9	EACH	LIGHT POLE FOUNDATION, MISC.:LIGHT BOLLARD FOUNDATION, AS PER PLAN	65	
								<b>_</b>	44.704				44 704	005	00000	44 704	F	DISTRIBUTION CARLE MISS LITE #40 MMS 600 MOLT		
0					<b> </b>	<u> </u>	<b> </b>	<b> </b>	11,704		<u> </u>		11,704	625	23308	11,704		DISTRIBUTION CABLE, MISC: LTG - #10 AWG 600 VOLT	55 55	<b>↓</b>
					<u> </u>		<u> </u>	<del>                                     </del>	1,053 1,197				1,053 1,197	625 625	23308 23308	1,053 1,197		DISTRIBUTION CABLE, MISC.:RECEPT - #10 AWG 600 VOLT DISTRIBUTION CABLE, MISC.:RECEPT - #8 AWG 600 VOLT	55 55	1
<b>∀</b> ■					<del> </del>	-	<del> </del>	1	2,367		}		2,367	625	23308	2,367		DISTRIBUTION CABLE, MISC.:RECEPT - #8 AWG 600 VOLT	55	1
6,0	_					-	1		2,001				2,001	020	20000	2,001	1.1	DISTRIBUTION SABLE, WINSOLAREDEL 1 - #0 AVVO 000 VOLT	33	<b> </b>
69 s								_	_	_			1	1	-	1			<b>T</b>	
ects/69.									5,497				5,497	625	23308	5,497	FT	DISTRIBUTION CABLE, MISC.:RECEPT - #4 AWG 600 VOLT	55	
Projects 69.									5,497 6,832				5,497 6,832	625 625	23308 23308	5,497 6,832		DISTRIBUTION CABLE, MISC.:RECEPT - #4 AWG 600 VOLT DISTRIBUTION CABLE, MISC.:RECEPT - #1 AWG 600 VOLT	55 55	$\begin{array}{ c c }\hline & 14\\\hline & 98\\\hline \end{array}$

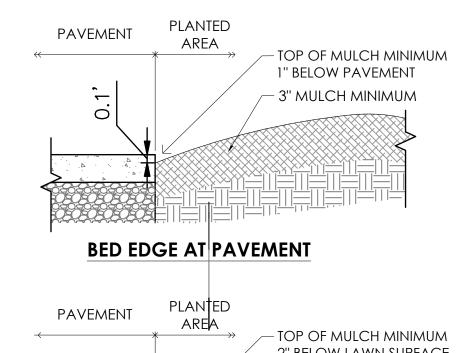
					SH	IEET NU	JM.	_					PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET
7	7	8	9	16	17	18	19	20	57	71	73		1/MPO/28		EXT	TOTAL			NO.
																		LIGHTING (CONT.)	
									228				228	625	25100	228		CONDUIT, 1", 725.04	
									800				800	625	25400	800		CONDUIT, 2", 725.04	
							<u> </u>		2,021			$\vdash$	2,021	625	25500	2,021		CONDUIT, 3", 725.04	
							<u> </u>		110				110	625	25600	110	FT	CONDUIT, 4", 725.04	
							<u> </u>		265			<u> </u>	265	625	25802	265	FT	CONDUIT, CONCRETE ENCASED, 2"	
							+		753			$\vdash$	753	625	25802	753		CONDUIT, CONCRETE ENCASED, 2"	
							<u> </u>		363			$\vdash$	363	625	25802	363		CONDUIT, CONCRETE ENCASED, 4"	
									30			<del>                                     </del>	30	625	25902	303		CONDUIT, JACKED OR DRILLED, 725.04, 3'	
									30					020	20002	30		CONDOTT, GACKED OK DIKILLED, 723.04, 3	
							+		29				29	625	27551	29	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN, 18'H CAST ALUM LED POLE LTG	56
									2,459				2,459	625	29001	2,459		TRENCH, AS PER PLAN	
									359				359	625	29400	359	19 199	TRENCH IN PAVED AREA	
												1					27 (202)		
									39				39	625	30700	39	EACH	PULL BOX, 725.08, 18"	
									38				38	625	32000	38	EACH	GROUND ROD	
									1				1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	56
									2,863				2,863	625	36010	2,863	FT	UNDERGROUND WARNING/MARKING TAPE	
																		OTHER UTILITIES	
				12									12	SPECIAL	61199700	12		GAS VALVE BOX ADJUSTED TO GRADE	16
				2				<u> </u>			<b>_</b>		2	625	31600	2	EACH	PULL BOX, MISC.: ADJUST TO GRADE	16
				18									18	SPECIAL	69098100	18		SLEEVE EXISTING GAS LINE	6
				107									107		69098100	107		VERIZON/MCI UTILITY SLEEVING	6
										~~~	<del>~~~</del>	$\sim\sim$	LS	SPECIAL	69098400	LS	~~~	LACP CCTV	6
							<u> </u>		<u> </u>			$\vdash$						LANDSCADING	
										69			69	661	20040	69	EACH	LANDSCAPING  DECIDUOUS SHRUB, 2' HEIGHT, RHUS AROMATICA	
									\ <u>\</u>	30		<del>                                     </del>	30	661	20040	30		DECIDUOUS SHRUB, 3' HEIGHT, KHOS AKOMATICA  DECIDUOUS SHRUB, 3' HEIGHT, MYRICA PENSYLVANICA	
							+		<del>\</del>	12		$\vdash$	12	661	40100	12		DECIDUOUS TREE, 2-1/2" CALIPER, CERIS CANADENSIS INERMIS IMPERIAL	
							1			12		$\vdash$	12	001	40100	12	LACIT	DECIDOOUS TREE, 2-1/2 CALIFER, CERIS CANADENSIS INERWIS INFERRAL	
									<del>\</del>	6			6	661	40100	6	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, SYRINGA RETICULATE	
							1			11		<del>                                     </del>	11	661	40120	11		DECIDUOUS TREE, 3" CALIPER, GINKO BILOBA	
									<b>\</b>	22			22	661	40120	22		DECIDUOUS TREE, 3" CALIPER, GLEDITSIA TRIACANTHOS	
									(									uminimi de la companya de la company	
																		TRAFFIC CONTROL	
																		FOR TRAFFIC CONTROL GENERAL SUMMARY REFER TO SHEET 52	
																		RETAINING WALLS	
											8.46		8.46	203	10001	8.46		EXCAVATION, AS PER PLAN	6
											117.37		117.37	203	20000	117.37		EMBANKMENT	
											165.31		165.31	503	21100	165.31		UNCLASSIFIED EXCAVATION	
											3,578		3,578	509	10000	3,578	LB	EPOXY COATED STEEL REINFORCEMENT	
							<u> </u>				20.05		00.05	F 4.4	40540	20.05	0)/		
											32.85		32.85	511	46510	32.85		CLASS QC1 CONCRETE, FOOTING	70
_						<u> </u>	1	1			94.18	<del>                                     </del>	94.18	602	15001	94.18		BLOCK MASONRY, AS PER PLAN	73
-							1				1,662.95 391.17	$\vdash$	1,662.95	602 602	97000 98100	1,662.95		MASONRY, MISC.: CAST STONE FACING MASONRY MISC: CAST STONE CAR	73 73
								1			331.17	<del>                                     </del>	391.17	002	30100	391.17	ГΙ	MASONRY, MISC.: CAST STONE CAP	13
	<del>-  </del> -							1			1	+ +			<u> </u>			MAINTENANCE OF TRAFFIC	
-	2	50	<u> </u>								<del>                                     </del>	<del>                                     </del>	250	~~410~~	~22000~	~25A~	~_TON	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
_			263			<del> </del>	†	1	†		+	<del>                                     </del>	263	614	12801	263		WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	8
<del> </del>			0.38				1				1	<del>                                     </del>	0.38	614	20210	0.38		WORK ZONE LANE LINE, CLASS J. 6", 740.06, TYPE I	<del>-                                     </del>
<del>                                     </del>	<del>-  -</del>		0.74				1				<u>†                                      </u>		0.74	614	21200	0.74		WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	1
						<u> </u>	1				1						-		
			0.68										0.68	614	22200	0.68	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I	
			1,927										1,927	614	23400	1,927		WORK ZONE CHANNELIZING LINE, CLASS I, 8", 740.06, TYPE I	
	50	.26											50.26	616	10000	50.26	MGAL	WATER	
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	
											<b>_</b>					<u> </u>			
						ļ	1	1			1								
											1								
	<b></b>							<b></b>			1	<b> </b>							
				1					·		•	_	_						

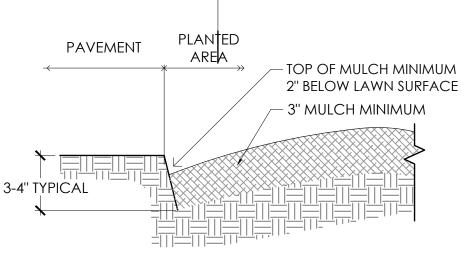
							202	202	202	203	204	303	304	407	442	451	452	608	608	608	609	625	
STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	PAVEMENT REMOVED	WALK REMOVED	CURB REMOVED	XCAVATION, AS PER PLAN	SUBGRADE COMPACTION	SPHALT CONCRETE BASE, 364-22, (449) , 10 1/2" DEPTH	3GREGATE BASE, 6" DEPTH	ASPHALT CONCRETE URFACE COURSE, 12.5 MM, TYPE A (449)	ASPHALT CONCRETE URFACE COURSE, 12.5 MM, TYPE A (449)	". REINFORCED CONCRETE AVEMENT, CLASS QC1 WITH QC/QA, AS PER PLAN	8" NON-REINFORCED NCRETE PAVEMENT, CLASS QC1 WITH QC/QA	5" CONCRETE WALK	CONCRETE WALK, AS PER PLAN	CURB RAMP	CURB, TYPE 6	TRENCH	
			FT	FT	SY	SY	SY	SF	FT	СУ	SY	CY CY	CY CY	の GAL	· CΥ	SY	SY	SF	ις SF	SF	FT	FT	
CL US 27			, ,		01	01		O1		01						01		01	O1	O1	' '		
557+11.69 TO 559+41.10 559+59.61 TO 564+31.65	US 27 US 27	LT	229.41 472.04				50.98 104.90		229.41 472.04		63.72 131.12	14.87 30.60	10.05 17.48	2.80 5.77	2.12 4.37						229.41 472.04		
565+42.77 TO 573+00.00	US 27	LT	757.23				168.27		757.23		210.34	49.08	28.05	9.26	7.01						757.23		
558+25.09 TO 559+41.19	US 27	RT	116.10				25.80		116.10		32.25	7.53	4.30	1.42	1.08						116.10		
559+60.13 TO 562+39.25	US 27	RT	279.12				62.03		279.12		77.53	18.09	10.34	3.41	2.58						279.12		
567+81.18 TO 572+08.43	US 27	RT	427.25				94.94		427.25		118.68	27.69	15.82	5.22	3.96						427.25		
560+70.73 TO 560+77.73	US27		7.00	42.00	32.67	32.67	32.67															32.67	
562+03.13 TO 562+08.13	US27		5.00	42.67	23.71	23.71	23.71															23.71	
557+11.69 TO 559+41.10	US 27	LT	229.41	6.00	152.94	86.82		1376.46			86.82		14.47					520.94	195.35				
559+59.61 TO 562+38.88	US 27	LT	279.27	6.00	186.18	60.05		1675.62			60.05		10.01					360.27	135.10				
562+38.88 TO 564+31.65	US 27	LT	192.77	8.00	171.35	68.83		1156.62			68.83		11.47					464.61	116.15				
565+42.77 TO 566+05.94 566+05.94 TO 569+80.44	US 27 US 27	LT	63.17 374.50	8.00 6.00	56.15 249.67	21.80 140.57		379.02 2247.00			21.80 140.57		3.63 23.43				~~~~	147.18 843.41	36.80 316.28				
569+80.44 TO 570+39.28	US 27	LT	58.84	8.00	52.30	8.12		353.04			8.12		1.35					<b>5</b> 4.79	13.70				
570+39.28 TO 570+64.28 570+64.28 TO 571+14.28	BUS	LT	25.00 50.00	5.00 5.00	13.89 27.78	13.89 27.78		150.00 300.00			13.89 27.78		2.32 4.63			<u> </u>	16.67 66.67	75.01 150.01	37.50 75.01				
571+14.28 TO 571+39.28	BUS	LT	25.00	5.00	13.89	13.89		150.00			13.89		2.32			<u> </u>	16.67	75.01	37.50				
571+39.28 TO 572+22.10	US 27	LT	82.82	8.00	73.62	28.99		496.92			28.99		4.83					195.69	48.92				
572+22.10 TO 573+00.00	US 27	LI	77.90	6.00	51.93	37.41		467.40			37.41 0.00		6.23					<b>₹224.43</b>	84.16				
558+25.09 TO 559+41.19	US27	RT	116.10	6.00	77.40	71.32		696.60			71.32		11.89			-		427.92	160.47				
559+60.13 TO 562+39.25	US27	RT	279.12	6.00	186.08	171.43		1674.72			171.43		28.57					1028.57	385.71	90.22			
567+81.40         TO         569+56.60           569+56.60         TO         569+81.60	US27 BUS	RT RT	175.20 25.00	8.00 5.00	155.73 13.89	135.24 13.89		1051.20 150.00			135.24 13.89		22.54 2.32				16.67	)912.85 75.01	228.21 37.50	89.32			
569+81.60 TO 570+31.60	BUS	RT	50.00	5.00	27.78	24.99		300.00			24.99		4.16			<b>\(\)</b>	66.67	134.92	67.46				
570+31.60 TO 570+56.60 570+56.60 TO 572+08.43	BUS US27	RT RT	25.00 151.83	5.00 8.00	13.89 134.96	13.89 128.58		150.00 910.98			13.89 128.58		2.32 21.43				16.67	75.01 7867.89	37.50 216.97				
370+30.00 10 372+00.43	0321	IXI	131.03	0.00	134.90	120.30		910.90			120.30		21.40			<u>u</u>		9 007.09	210.97				
564+31.65 TO 564+71.85	US27	LT	40.20	12.00	53.60	59.95	18.76	247.66	50.22		59.95	1.86	9.99	0.61	0.47			279.44	34.00	103.35	40.20		
564+96.37 TO 565+42.77	US27	LI	46.40	8.00	41.24	60.27	12.63	333.06	56.83		60.27	2.10	10.05	0.69	0.53			273.03	60.03	95.70	46.40		
557+24.99 TO 557+75.96	US27	RT	50.97	6.00	33.98	77.53	31.36	444.29	56.45		77.53	2.09	12.92	0.69	0.52			256.76	57.75	101.04	50.97		
558+02.67 TO 558+25.09	US27	RT	22.42	6.00	14.95	33.68	8.53	232.60	38.40		33.68	1.42	5.61	0.47	0.36			95.02	45.08	86.27	22.42		
	US27 US27	RT	32.46 34.02	8.00 8.00	28.85 30.24	40.85 36.91	5.91 8.90	198.84 139.53	35.50 42.18		40.85 36.91	1.31 1.56	6.81 6.15	0.43 0.52	0.33 0.39		2.64	178.57 81.39	23.72 6.43	112.14 139.93	32.46 34.02		
572+08.43         TO         572+40.89           572+68.99         TO         573+03.01	10021																						
572+68.99 TO 573+03.01						1 1					1.55					13.97							
	BUS	LT	20.42	6.00	13.61	13.97										10.01	1	_	I	ı	1	1	
572+68.99 TO 573+03.01		LT RT	20.42	6.00	13.61 13.61	13.97					1.55												
572+68.99 TO 573+03.01 570+59.10 TO 570+79.52 570+16.86 TO 570+37.28	BUS		20.42	6.00	13.61	13.97				1 00	1.55					13.97							
572+68.99 TO 573+03.01 570+59.10 TO 570+79.52 570+16.86 TO 570+37.28 560+50.00 TO 562+00.00	BUS	LT RT LT LT								1.00 1.38	1.55					13.97							
572+68.99         TO         573+03.01           570+59.10         TO         570+79.52           570+16.86         TO         570+37.28           560+50.00         TO         562+00.00           564+00.00         TO         564+83.00	BUS		20.42	6.00	13.61 343.50	13.97 343.50					1.55					13.97							
572+68.99         TO         573+03.01           570+59.10         TO         570+79.52           570+16.86         TO         570+37.28           560+50.00         TO         562+00.00           564+00.00         TO         564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99         TO         573+03.01           570+59.10         TO         570+79.52           570+16.86         TO         570+37.28           560+50.00         TO         562+00.00           564+00.00         TO         564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99         TO         573+03.01           570+59.10         TO         570+79.52           570+16.86         TO         570+37.28           560+50.00         TO         562+00.00           564+00.00         TO         564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99     TO     573+03.01       570+59.10     TO     570+79.52       570+16.86     TO     570+37.28       560+50.00     TO     562+00.00       564+00.00     TO     564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99     TO     573+03.01       570+59.10     TO     570+79.52       570+16.86     TO     570+37.28       560+50.00     TO     562+00.00       564+00.00     TO     564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99         TO         573+03.01           570+59.10         TO         570+79.52           570+16.86         TO         570+37.28           560+50.00         TO         562+00.00           564+00.00         TO         564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99     TO     573+03.01       570+59.10     TO     570+79.52       570+16.86     TO     570+37.28       560+50.00     TO     562+00.00       564+00.00     TO     564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55					13.97							
572+68.99       TO       573+03.01         570+59.10       TO       570+79.52         570+16.86       TO       570+37.28         560+50.00       TO       562+00.00         564+00.00       TO       564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07				1.38	1.55												
572+68.99       TO       573+03.01         570+59.10       TO       570+79.52         570+16.86       TO       570+37.28         560+50.00       TO       562+00.00         564+00.00       TO       564+83.00	BUS		20.42 150.00 83.00	6.00 2.29 2.29	13.61 343.50 190.07	13.97 343.50 190.07 343.50	649.39	15281.56	2560.73	1.38	2013.42	158.21	315.48	31.30	23.71		202.64	7797.72	2457.32	727.75	2507.62	56.37	

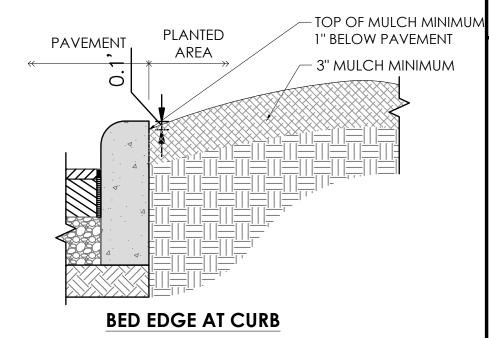












**NOTES:** 

- PROTECT ADJACENT LAWN AREAS ON ADJACENT PROPERTIES.

- THE LAWN AREA BED EDGE ALONG SHALL BE CLEAN AND CONTINUOUS AS SHOWN ON PLANS.

**BED EDGE AT LAWN** 

WIDTH OF ROOTBALL

EQUAL

PLANTING DETAIL: GROUNDCOVER & SEASONAL COLOR

STAKE ONLY WHEN NECESSARY, SEE LANDSCAPE NOTES. HIGHER THAN FINISH GRADE CREATE 2" WATER SAUCER WITH SOIL. WIDTH OF TREE ROOTBALL **EQUAL EQUAL** TAMPING FINAL LAYER OF SOIL MIX. - IF STAKING, USE 2" STAKE AND SECURE INTO FIRM SOUL SCARIFY SIDES OF PLANTING HOLE

 $\cdot$  PRUNE TO REMOVE BROKEN, DAMAGED OR DEAD BRANCHES

– EXCAVATE PLANTING HOLE SO THAT TOP OF ROOT BALL IS  $ot\! Z'$ 

- 2-3" LAYER OF MULCH.  $\,$  DO NOT PLACE MULCH WITHIN 3" OF TRUNK.

ROW - A

5.20" O.C.

6.93" O.C.

.8.66" O.C.

10.40" O.C. ..12.12" O.C.

– DIG PLANTING HOLE 3 TIMES THE DIAMETER OF THE ROOT B $\Ha$ LL. BACKFILL WITH A MIXTURE OF ONE PART APPROVED TOPSOIC, ONE PART SOIL FROM PLANTING HOLE AND ONE PART APPROVED ORGANIC MATTER. PLACE MIXTURE AROUND ROOT BALL IN LAYERS, TAMPING TO SETTLE MIX AND ELIMINATE VOIDS AND AIR POCKETS. WHEN PIT IS APPROX. ONE-HALF BACKF<mark>y</mark>lled, WATER THOROUGHLY. REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. WATER AGAIN AFTER PLACING AND

- TILL SURROUNDING SOIL 24" BEYOND PLANTING HOLE TO A DEPTH OF 12". AMEND WITH ONE PART EXISTING SOIL AND ONE PART ORGANIC MATTER.

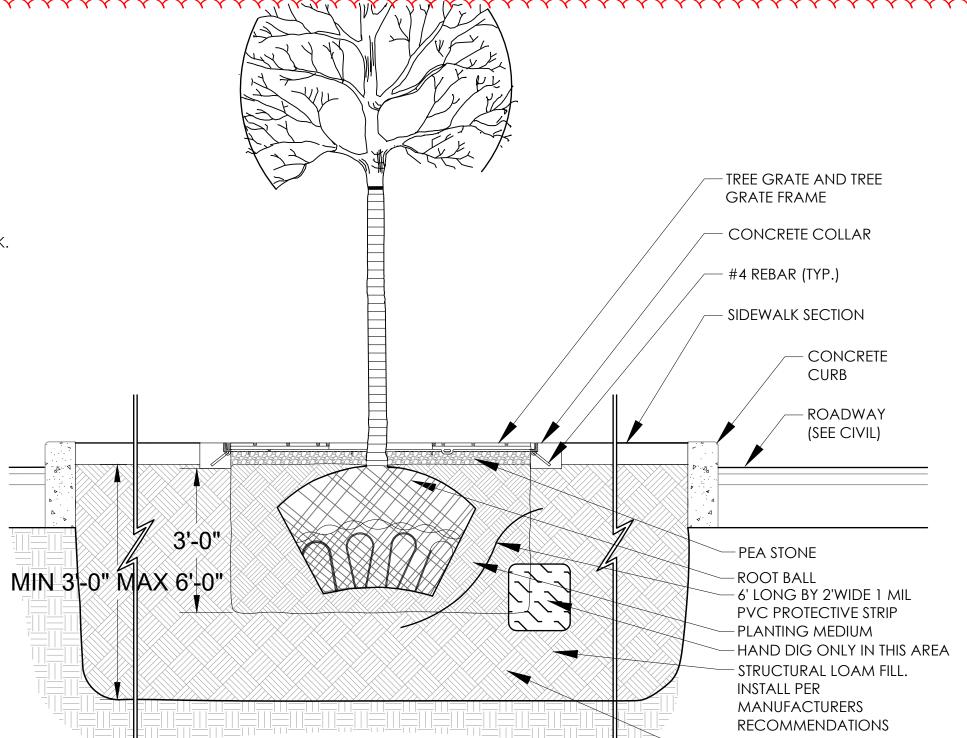
AFTER PLANTING, REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL AND REMOVE ALL TWINE AND NAILS. CUT AND FOLD DOWN WIRE BASKET SO THAT THE TOP OF WIRE IS 12" BELOW SOIL SURFACE.

PLANTING DETAIL: BALLED AND BURLAPPED TREE

UNDISTURBED SOIL

PLANTING DETAIL: BALLED AND BURLAPPED SHRUB

Scale: N.T.S.



PLANTING DETAIL: Tree Installation Near Cable Line

Scale: N.T.S.

PLANTING DETAIL: BED EDGE

EQUAL

PLANTING HOLE SOIL MIXTURE: TWO PARTS SOIL FROM PLANTING HOLE, ONE PART APPROVED TOPSOIL, & ONE PART APPROVED ORGANIC MATTER.

> EXCAVATE PLANTING HOLE SO THAT TOP OF ROOT BALL IS 1" HIGHER THAN FINISH GRADE

3" LAYER OF MULCH, DO NOT PLACE MULCH WITHIN 3" OF TRUNK! OR STEMS. CREATE 2" WATER SAUCER WITH SOIL.

DIG PLANTING HOLE 3 TIMES THE DIAMETER OF THE ROOT BALL. BACKFILL WITH PLANTING HOLE SOIL MIXTURE PLACE MIXTURE AROUND ROOT BALL IN LAYERS, TAMPING TO SETTLE MIX AND ELIMINATE VOIDS AND AIR POCKETS. WHEN PIT IS APPROX. ONE-HALF BACKFILLED, WATER THOROUGHLY. REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. WATER AGAIN AFTER PLACING AND TAMPING FINAL LAYER OF SOIL

SCARIFY SIDES OF PLANTING HOLE

PRUNE ROOT MASS TO PREVENT CIRCLING OR GIRDLING ROOTS, AND LOOSEN ROOT BALL

UNDISTURBED SUBGRADE

PLANTING DETAIL: CONTAINERIZED PLANTS

Key	Scientific Name	Common Name	Size	Root	Quantity	Spacing	Remarks		
Decid	uous Trees								
CC	Cercis canadensis Inermis Imperial	Eastern Redbud	2 1/2" Cal.	B&B	12	See Plan	Matched Specimen		
SR	Syringa reticulate	Japanese Tree Lilac	2 1/2" Cal.	B&B	6	See Plan	Matched Specimen		
GB	Ginko biloba	Ginko	3" Cal.	B&B	11	See Plan	Matched Specimen-tree-form		
GT	Gleditsia triacanthos	Honey Locust	3" Cal.	B&B	22	See Plan	Matched Specimen-tree-form		
Shrub	<b>S</b>		<u> </u>						
MP	Myrica pensylvanica	Northern Bayberry	3'HT	#5 cont.	30	Typical 5' O.C	Full Plant		
RA	Rhus aromatica	Fragrant Sumac	24''W	#3 cont.	69	Typical 5' O.C	Full Plant		

## LANDSCAPE NOTES

## 1.0 GENERAL NOTES

1.1 THIS PLAN IS FOR PLANTING ONLY.

1.2 THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, INCLUDING THE LOCATION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND STAKING THE LOCATION OF ALL EXISTING UTILITIES AND PROTECTING THEM DURING THE WORK AND SHALL BEAR ANY COSTS TO REPAIR UTILITIES DAMAGED AS A CONSEQUENCE OF HIS WORK 1.3 ALL WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF

ALL-APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES AND REQUIREMENTS.

1.4 ALL APPLICABLE ODOT SPECIFICATIONS SHALL BE FOLLOWED FOR THIS WORK. THE CURRENT ODOT SPECIFICATIONS ARE AVAILABLE AT -

http://www.dot.state.oh.us/Divisions/Engineering/Roadway /DesignStandards/Pages/default.aspx

1.5 PROVIDE QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK," CURRENT EDITION. THE CURRENT STANDARD IS AVAILABLE AT

https://www.americanhort.org/page/standards

1.6 PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS PLANT MATERIAL, FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.

1.7 TREES AND SHRUBS OF A LARGER SIZE MAY BE USED, IF ACCEPTABLE TO LANDSCAPE ARCHITECT, WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS. 1.8 SELECT PLANT MATERIALS FOR UNIFORM HEIGHT AND SPREAD

1.9 LABEL AT LEAST ON E TREE AN D ON E SHRUB OF EACH VARIETY AND CALIPER WIT H A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAME.

1.10 LANDSCAPE ARCHITECT MAY OBSERVE TREES AND SHRUBS EITHER AT THE NURSERY, OR AT SITE BEFORE PLANTING OPERATION BEGINS, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. LANDSCAPE ARCHITECT RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, PRESENCE OF INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY, OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REJECTED TREES OR SHRUBS SHALL BE IMMEDIATELY REMOVED FROM PROJECT SITE.

1.11 HERBICIDE TREATMENT: APPLY HERBICIDE TO PLANT BEDS ACCORDING TO MANUFACTURER'S RECOMMENDED RATES AND THEIR WRITTEN APPLICATION INSTRUCTIONS. APPLY TO DRY, PREPARED SUBGRADE. THE HERBICIDE MUST BE APPLIED BY A LICENSED COMMERCIAL HERBICIDE APPLICATOR ONLY

2.0 PROTECTION OF EXISTING TREES

2.1 IF EXCAVATION IS REQUIRED WITHIN DRIP LINE OF TREE, HAND CLEAR AND EXCAVATE TO MINIMIZE DAMAGE TO ROOT SYSTEMS. USE NARROW-TINE SPADING FORKS AND COMB SOIL TO EXPOSE CLEANLY CUT ROOTS.

2.2 PRESERVE EXISTING TREE ROOTS IN BACKFILL AREAS WHERE POSSIBLE. IF LARGE, MAIN LATERAL ROOTS ARE ENCOUNTERED, EXPOSE ROOTS BEYOND EXCAVATION LIMITS AS REQUIRED TO BEND AND RELOCATE THEM WITHOUT BREAKING. IF ENCOUNTERED IMMEDIATELY ADJACENT TO LOCATION OF NEW CONSTRUCTION AND RELOCATION IS NOT PRACTICAL, CLEANLY CUT ROOTS APPROXIMATELY 3 INCHES BACK FROM NEW CONSTRUCTION.

2.3 DO NOT ALLOW EXPOSED ROOTS TO DRY BEFORE PLACING PERMANENT BACKFILL. PROVIDE TEMPORARY EARTH COVER, OR PACK WITH PEAT MOSSAND WRAP WITH BURLAP AN D WATER AN D MAINTAIN IN A MOIST CONDITION . TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNIT THEY ARE PERMANENTLY RELOCATED AND COVERED WITH SOIL.

3.0 PREPARATION AND PLANTING

3.1 PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, AND LAWNS AND EXISTING EXTERIOR PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS. 3.2 IT IS THE CONTRACTOR'S RESPONSIBILITY TO: - KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN, AND MAINTAIN WORK AREA IN AN ORDERLY CONDITION, FOR DURATION OF PROJECT.

3.3 IT IS THE CONTRACTOR'S RESPONSIBILITY TO: - PROTECT EXTERIOR PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND OTHERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT. REPAIR. OR REPLACE DAMAGED EXTERIOR PLANTING.

3.4 IT IS THE CONTRACTOR'S RESPONSIBILITY TO: - REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL. - HAUL AND DISPOSE OFF SITE OF UNWANTED MATERIALS.

3.5 PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES, DRIVES AND WALKWAYS.

3.6 CONTRACTOR SHALL LAY OUT INDIVIDUAL TREE LOCATIONS , SHRUB LOCATION S AN D AREA S FOR MULTIPLE EXTERIOR PLANTINGS.

SAME AS 7.0 STAKE LOCATIONS, OUTLINE PLANT BED AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT PRIOR TO PLANTING.

3.7 IT IS THE CONTRACTOR'S OPTION HOW TO STAKE ALL

3.8 CONTRACTOR SHALL FOLLOW ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL. CAREFULLY REVIEW ITEM 661 FOR PLANTING TREES, SHRUBS & VINES AND ITEM 662 FOR LANDSCAPE WATERING.

3.9 ALL PLANTING BEDS ARE TO BE PREPARED AS FOLLOWS - LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE STONES LARGER THAN 1" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER, AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.

- SPREAD COMPOST A A MINIMUM DEPT H O F 6 " AN D TILL WIT H LOOSENED SUBGRADE, MIXING THOROUGHLY. - GRADE PLANTING BEDS TO A SMOOTH. UNIFORM SURFACE PLANE WITH UNCOMPACTED AND UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.

- EDGE BEDS 3 - 4" DEEP (SEE DETAIL). NOTIFY LANDSCAPE ARCHITECT IF SUBSOIL CONDITIONS SHOW EVIDENCE OF UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PITS.

- ALL BED PREPARATION AND COMPLETION IS SUBJECT TO LANDSCAPE ARCHITECT APPROVAL.

3.10 COMPOST SHALL BE WELL-ROTTED MANURE AND WEED-FREE ORGANIC MATTER, pH OF 8.5; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH ONE INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIEMENS; NOT EXCEEDING 0. 5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS; ORGANIC CONTENT 42.3%; 1.29-.28-.91 DRY BASIS; PASSES REDUCTION TESTING; CLASS A COMPOST-STABLE; GERMINATION AND EMERGENCE TESTING AT 100%. 3.11 TOPSOIL SHALL BE ASTMD 5268, pH RANGE OF 5.5 TO 7, A MINIMUM OF 40 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. 3.12 AMENDED TOPSOIL IS A MIXTURE OF ONE PART SOIL FROM THE PLANTING HOLE AND ONE PART APPROVED ORGANIC MATTER

3.13 ALL PLANTS SHALL BE FERTILIZED WITH 10:10:10 SLOW-RELEASE FERTILIZER PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

3.14 REFER TO TYPICAL PLANTING DETAILS FOR PLANT INSTALLATION.

3.15 ALL PLANT MATERIALS, ARE TO BE PRUNED TO REMOVE DEAD OR INJURED BRANCHES.

4.0 SEEDING

4.1 CONTRACTOR SHALL FOLLOW ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL, ITEM 659 FOR TURF

4.2 CONTRACTOR SHALL FOLLOW ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL, TABLE 659.09-1, ROADSIDE MIXTURE 2 FOR RESEEDING DISTURBED AREAS WITH ROADSIDE MIXTURE 2:

KENTUCKY BLUEGRASS (POA PRATENSIS) - 1.5 lb/1000 sq. ft. KENTUCKY 31 FESCUE (FESTUCA ARUNDINACEA var. KY 31) — 2 lb/1000 sq. ft.

PERENNIAL RYEGRASS (LOLIUM PERENNE) - 1.5 lb/1000 sq. ft. 4.3 SEED ALL DISTURBED AREAS. THE FINAL GRADE AND TOPSOIL WITHIN +/- .10 FEET WILL BE IN PLACE FOR SEEDING CONTRACTOR.

4.4 APPLY A HIGH PHOSPHORUS FERTILIZER AT THE RATE OF 2-3 LB PER 1000 SF. TILL AREA TO BE SEEDED TO A DEPTH OF 4". RAKE TILLED AREA TO REMOVE DEBRIS 1" OR LARGER IN SIZE THAT HAS BEEN BROUGHT TO THE SURFACE DURING TILLING.

4.5 RAKE SEED LIGHTLY INTO TOP OF TOPSOIL, ROLL LIGHTLY, AND WATER WITH FINE SPRAY.

4.6 PROTECT SEEDED AREAS WITH SLOPES EXCEEDING 1: 6 WIT H TYPE "I " TEMPORARY EROSION-CONTROL MAT ODOT ITEM 712.11-I.

## 5.0 MULCH

5.1 MULCH SHALL BE FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS 5.2 CONTRACTOR SHALL USE LANDSCAPE ARCHITECTURE APPROVED MULCH (TWICE SHREDDED AND PROCESSED HARDWOOD MULCH, VERY DARK NATURAL BROWN COLOR). 5.3 ALL LANDSCAPE AREAS WITH TREES & SHRUBS SHALL HAVE A 3" THICK BED OF MULCH AND ALL LANDSCAPE BEDS WITH GRASSES & PERENNIALS SHALL HAVE 1 1/2" THICK BED OF MULCH APPLIED. APPLY PRE-EMERGENT HERBICIDE BEFORE MULCHING PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

## 6.0 WARRANTY

6.1 CONTRACTOR SHALL PROVIDE OWNER WITH A ONE YEAR WARRANTY FOR LABOR AND MATERIALS, INCLUDING ALL PLANT MATERIAL

6.2 CONTRACTOR SHALL WARRANT EXTERIOR PLANTS AGAINST DEFECTS, INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLECT OR INSTALLATION ABUSE BY OWNER, OR ACT OF GOD.

6.3 SERVICES PROVIDED BY WARRANTY SHALL INCLUDE : -MAINTAINING UPRIGHT POSITION OF EXTERIOR PLANTINGS DURING WARRANTY PERIOD. - IMMEDIATE REMOVAL OF DEAD EXTERIOR PLANTS AND IMMEDIATE REPLACEMENT, UNLESS REQUIRED BY LANDSCAPE ARCHITECT TO PLANT IN THE SUCCEEDING PLANTING SEASON. - REPLACEMENT OF PLANTS THAT ARE INSTALLED DEAD OR IN UNHEALTHY CONDITION AT END OF WARRANTY PERIOD.

6.4 WARRANTY SHALL BE LIMITED TO ONE REPLACEMENT OF EACH EXTERIOR PLANT, EXCEPT FOR LOSSES OR REPLACEMENTS DUE TO FAILURE OF CONTRACTOR TO COMPLY WITH REQUIREMENTS DURING LANDSCAPE MAINTENANCE PERIOD. 6.5 THE LANDSCAPE CONTRACTOR SHALL PROVIDE FULL MAINTENANCE OF NEW PLANTS, TURF AREAS, BEDS AND EXISTING PLANTS WITHIN NEW PLANT BEDS BEGINNING WITH INITIATION OF WORK ON-SITE FOLLOWING ISSUANCE OF A NOTICE TO PROCEED.

6.6 A PRELIMINARY ACCEPTANCE INSPECTION WILL BE PERFORMED AT THE CONCLUSION OF INSTALLATION WORK BY THE LANDSCAPE ARCHITECT. THIS MAINTENANCE WORK SHALL INCLUDE PERIODIC WATERING, WEEDING, HERBICIDE APPLICATION, PRUNING, AND INSECT/DISEASE CONTROL. SHOULD PLANTS DIE DURING THIS PERIOD THEY SHALL BE REPLACED DURING THE DORMANT SEASON OF EITHER LATE FALL OR EARLY SPRING WITH IDENTICAL SPECIFIED PLANT MATERIAL AT NO ADDITIONAL COST TO THE OWNER .

7.0 LANDSCAPE MAINTENANCE: 2 YEAR PERIOD 7.1 THE LANDSCAPE CONTRACTOR SHALL PROVIDE FULL MAINTENANCE OF NEW PLANTS, ALL TURF AREAS, DESIGNATED PLANT BEDS AND EXISTING PLANTS BEGINNING WITH INITIATION OF WORK FOLLOWING ISSUANCE OF A NOTICE TO PROCEED. CONTINUING UNTIL 1 CALENDAR YEAR FOLLOWING PRELIMINARY ACCEPTANCE OF THE WORK. LAWNS SHALL BE MAINTAINED AT

4" HEIGHT. SEE MAINTENANCE PLAN FOR MAINTENANCE AND

MOWING LIMITS. 7.2 A PRELIMINARY ACCEPTANCE INSPECTION WILL BE PERFORMED AT THE CONCLUSION OF INSTALLATION WORK BY THE LANDSCAPE ARCHITECT. THIS MAINTENANCE WORK SHALL INCLUDE WATERING, WEEDING, HERBICIDE APPLICATION, PRUNING, MULCHING AND INSECT/DISEASE CONTROL. SHOULD PLANTS DIE DURING THIS PERIOD THEY SHALL BE REPLACED DURING THE DORMANT SEASON OF EITHER LAT E FALL OR EARLY SPRING WITH IDENTICAL SPECIFIED PLANT MATERIAL AT YNOYADDITIONAL/COSTYTOYTHE/OWNER:///////////