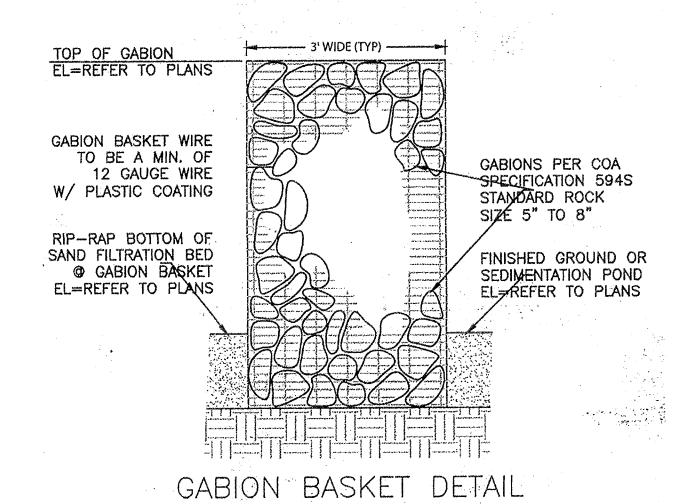
NOTES:

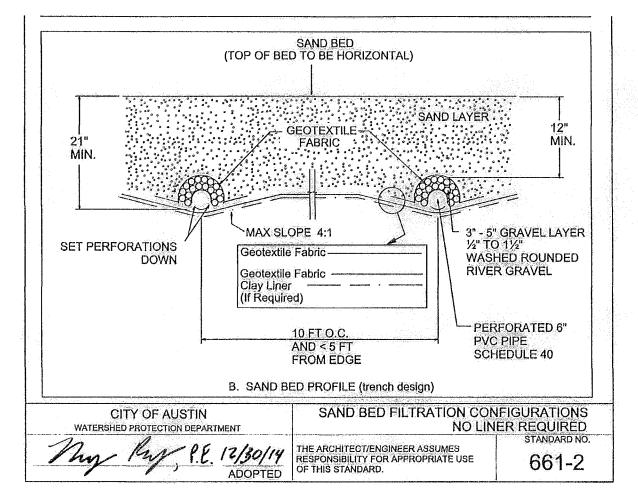
- 1. ONE PARTIAL FILTRATION RAIN GARDEN IS PROPOSED AND THE DRAINAGE AREA TO THE RAIN GARDEN DOES NOT EXCEED 2 ACRES.
- 2. THE RAIN GARDENS ARE SIZED PER APPENDIX R-11 AND THE R-11 TABLE CAN BE FOUND ON THE WATER QUALITY CALCULATIONS & DETAILS.
- 3. RUNOFF SHEET FLOWS ARE OVER LAND AND OR ACROSS THE DRIVE AND ENTERS DIRECTLY INTO THE RAIN GARDENS OR VIA CURB CUTS IN THE ADJACENT CURB.
- 4. RUNOFF IN EXCESS OF THE WATER QUALITY VOLUME EXITS THE RAIN
- GARDENS VIA A OR WIER THAT FLOWS DIRECTLY INTO THE CREEK.

 5. BIOFILTRATION MEDIA MUST COMPLY WITH ECM 1.6.7.C.4:

•		the state of the s	
	PERCENT ORGANIC MATTER (BY WEIGHT)	=	0.5-5.0%
	PERCENT SAND	(manage)	70 - 90%
. *	PERCENT CLAY	*	3 -10%
	PERCENT SILT PLUS CLAY	<	27%
			1. ÇER 1.

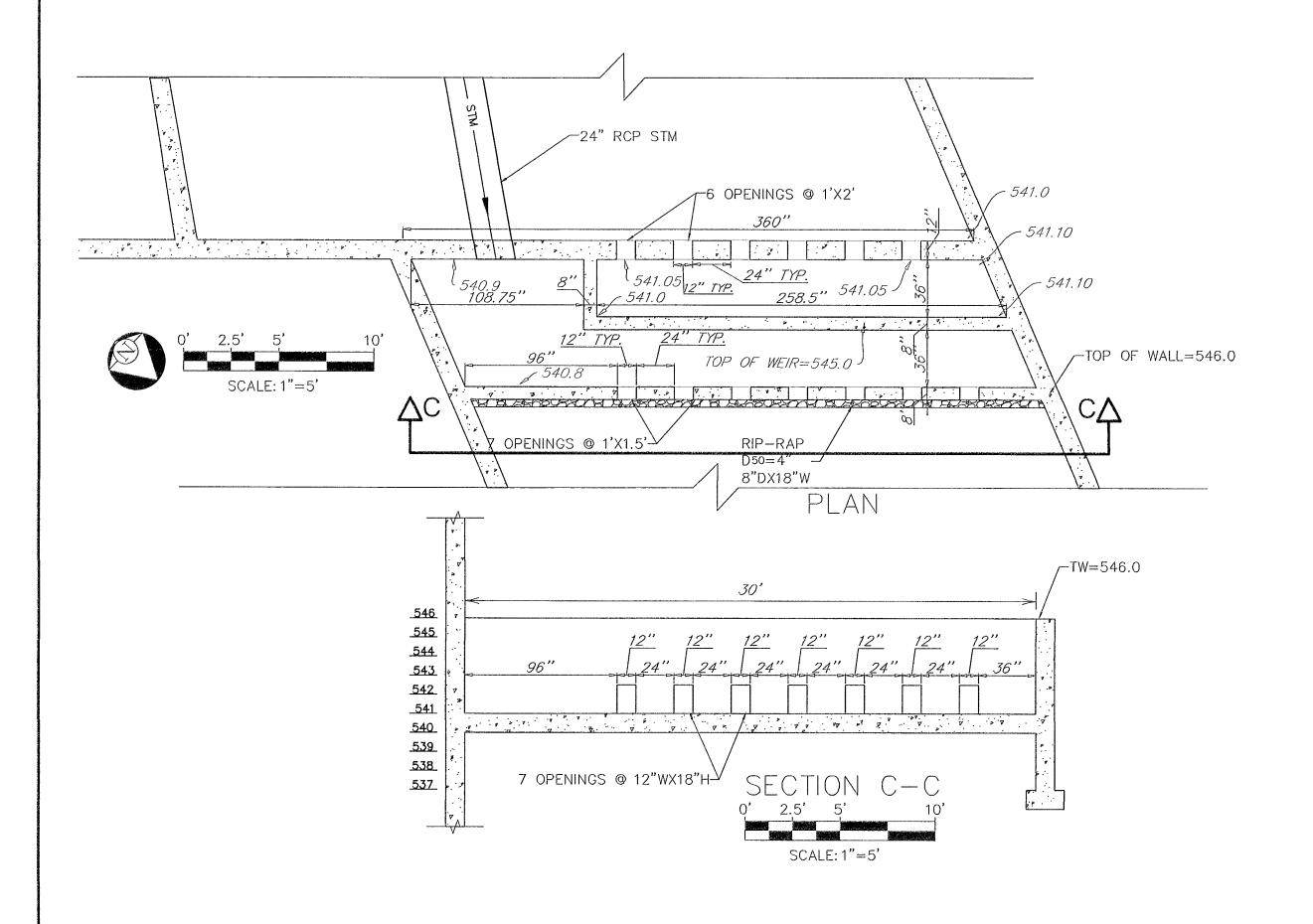


P:\A340 Bouldin Creek Commons (2043 S Lamar Blvd)\Civil\Construction Drawings\Sheets\11 - 12 - POND,WQ.dwg

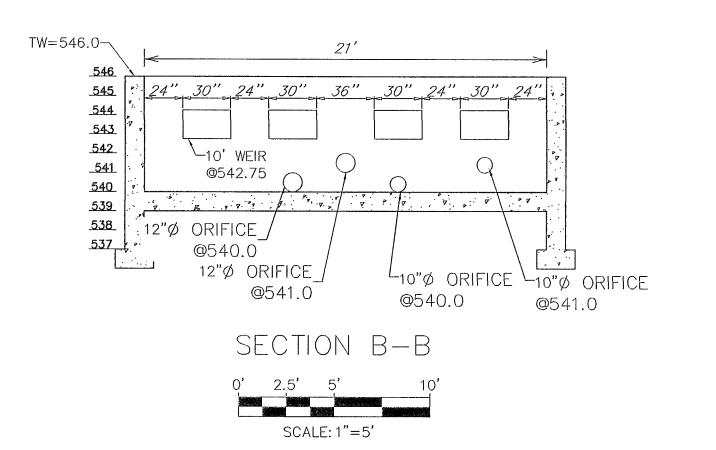


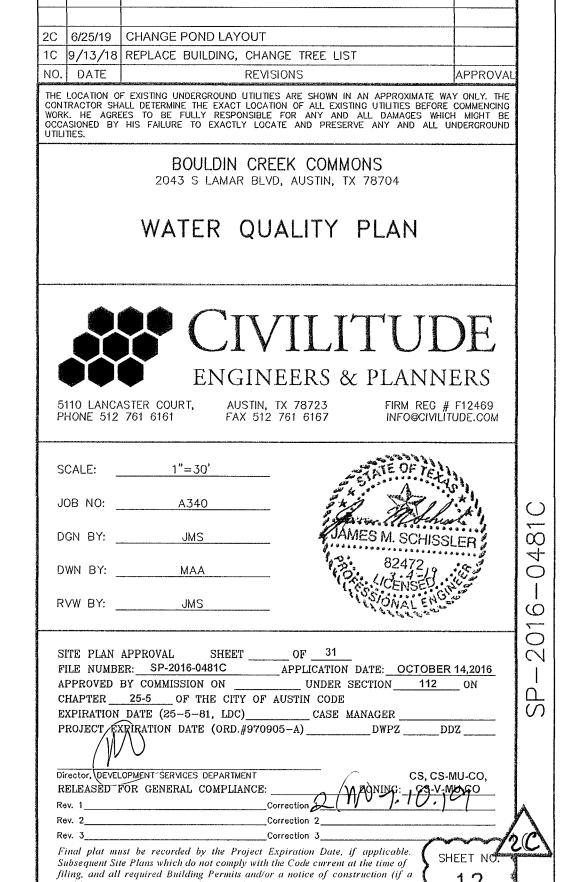
Sedimentation pond		
Stage (ft msl)	Area	Storage
(Elevation)	(sf)	Volume (cf)
540.10	0.00	0
541.00	965.00	434
542.00	965.00	1,399
543.00	965.00	2,364
544.00	965.00	3,329
545.00	965.00	4,294
	-	

tration Pond		
Stage (ft msl)	Area	Storage
(Elevation)	(sf)	Volume (cf)
540.00	1,474.00	0
541.00	1,474.00	1,474
542.00	1,474.00	2,948
543.00	1,474.00	4,422
544.00	1,474.00	5,896
545.00		6,633



-	PPEND		~ ^ A I ^ I II A ~	10310	
PARTIAL SEDIMENTATIO				IONS	
FOR DEV	ELUPIV	IENT PERMITS			
DRAINAGE AREA DATA:		W ₂ / 3, V ₃			
Drainage Area to Control (DA)		2.81	ac.		
Drainage Area Impervious Cover		75.40%			
Capture Depth (CD)		1.054	in		
WATER QUALITY CONTROL CALCULATIONS:		Required		Provided	
The Water Quality Control is to be PARTIAL SEDIMENTATION FILTRATION					
25-year Peak Flow Rate to Control (Q25)	2	18.90	cfs	79.94	cfs
100-year Peak Flow Rate to Control (Q100)	-	25.30	cfs	/ 5.54	UIS
		23.30	CIS	_	
Water Quality Volume (WQV=CD * DA* 3630)		10751	cf	10927	cf
Maximum Ponding Depth above Sand Bed (H)				5.00	ft
Sedimentation Pond Area				0	sf
Sedimentation Pond Volume (≥20%WQV)	≥	2185	cf	3329	cf
Filtration Pond Area (WQV/(4 + 1.33*H))	≥	1026	sf	1474	sf
Filtration Pond Volume				5896	cf
Water Quality Elevation				545.00	ft msl
Elevation of Splitter/Overflow Weir	≥	545.00	ft msl	545.00	ft msl
Height of Gabion Wall		4.50	ft msl	544.50	ft msl
Catalogo Matella con de la Citata de La Cita			ft		
Gabion Wall under 6 ft (check)	≤	6.00	(max)	4.50	ft
ength of Splitter Weir				24.00	ft
acting the or application with			ft	24.00	11
Required Head to Pass Q100	≤	1.00	(max)	0.462	ft
Pond Freeboard Provided to Pass Q100	2	0.273	ft (min)	0.538	ft
48 Hour Drawdown Time Orifice Opening diameter (inches)				1.00	in
Drawdown Time COA Calc. Avg. Head (min 48 nrs)	2	48	hrs	51.70	hrs
(Soo Novt Choot for Stores Calculations)					
(See Next Sheet for Storage Calculations)					





COMMONS

Building permit is not required), must also be approved prior to the Project