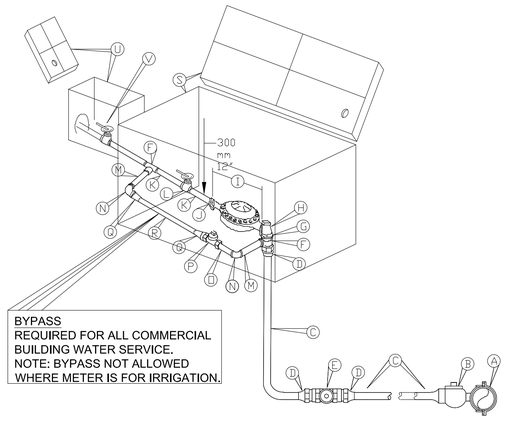
CITY RESPONSIBILITY ENDS ON THE CUSTOMER SIDE OF THE METER BOX



BYPASS
REQUIRED FOR ALL COMMERCIAL BUILDING WATER SERVICE.
NOTE: BYPASS NOT ALLOWED WHERE METER IS FOR IRRIGATION.

MATERIALS LIST

	METER SIZE 50 mm (2")	38 mm (1-1/2")
(A) SERVICE CLAMP FOR CONNECTION-REQUIRED ON ALL PLASTIC AND ASBESTOS CEMENT PIPE AND ALL IRON PIPE 300 mm (12") AND SMALLER	38 mm (1-1/2")	50 mm (2")
(B) CORPORATION STOP - SERVICE PIPE OUTLET	38 mm (1-1/2")	50 mm (2")
(C) SERVICE PIPE	38 mm (1-1/2")	50 mm (2")
(D) COUPLING: SERVICE PIPE TO MALE I.P.T. (COMPRESSION FITTING)	38 mm (1-1/2")	50 mm (2")
(E) BALL VALVE. SEE SPL WW 275.	38 mm (1-1/2")	50 mm (2")
(F) TEES, BRASS	38 mm x 38mm x 25mm (1-1/2"x1-1/2"x1")	50mm x 50mm x 25mm (2"x2"x1")
(G) CLOSE-NIPPLE, BRASS.	38 mm (1-1/2")	50 mm (2")
(H) ANGLE METER STOP, FEMALE I.P. THREAD INLET X FLANGE OUTLET	38 mm (1-1/2")	50 mm (2")
(I) WATER METER LENGTH WITH GASKETS	338 mm (13-1/2")	444 mm (17-3/4")
(J) FLANGE, BRASS; FEMALE I.P. THREAD	38 mm (1-1/2")	50 mm (2")
(K) NIPPLES, BRASS	38 mm x 200mm (1-1/2"x8")	50mm x 200 mm (2"x8")
(L) AWU'S BALL VALVE. SEE SPL WW 275.	38 mm (1-1/2 ")	50 mm (2")
(M) NIPPLES, BRASS	25 mm x 125mm (1"x5")	25 mm x 125 mm (1"x5")
(N) 90 DEGREE ELBOWS, BRASS	25 mm (1")	25 mm (1")
(O) NIPPLES, BRASS	25 mm x 75mm (1"x3")	25 mm x 75 mm (1"x3")
(P) CURB STOP, BRASS, FEMALE I.P. THREAD BOTH ENDS WITH LOCK NUTS	25 mm (1")	25 mm (1")
(Q) COUPLINGS, BRASS, SERVICE PIPE TO MALE THREAD	25 mm (1")	25 mm (1")
(R) SERVICE PIPE	25 mm (1")	25 mm (1")

(S) AMR/AMI READY RECTANGULAR METER BOX AND LID. SEE SPL-WW-145 OR WW-145A

(T) N/A

(U) PROPERTY OWNER'S BALL VALVE BOX AND LID-RECTANGULAR PLASTIC BOX, DFW #D1200 OR EQUAL

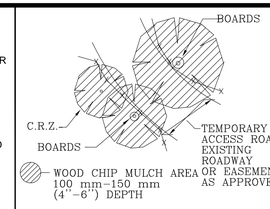
(V) CUSTOMER'S BALL VALVE

NOTES:
1. SERVICE PIPE SHALL BE COPPER TUBE SIZE. IT SHALL BE ANNEALED SEAMLESS TYPE "K" COPPER TUBING MEETING THE CURRENT ASTM B88 STANDARD WITH NO SWEAT OR SOLDERED JOINTS.
2. SERVICE SADDLE SHALL BE WRAPPED COMPLETELY WITH 0.2mm (8 MIL) POLYETHYLENE FILM.
3. TOP OF BOXES SHOULD BE 25mm (1") ABOVE GROUND OR FLUSH WITH PAVEMENT SURFACE.
4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS: BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).
5. BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT, AND OUT OF SIDEWALK AND OUT OF VEHICULAR TRAFFIC AREA.
6. BALL VALVES SHALL NOT BE LOCATED UNDER CURB OR PAVEMENT, AND NOT LOCATED MORE THAN 600mm (24") HORIZONTALLY FROM METER BOX OR 900mm (36") BELOW FINAL GRADE.

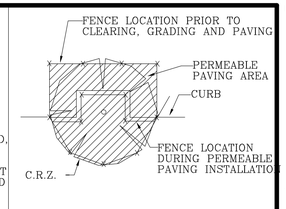
CITY OF AUSTIN AUSTIN WATER UTILITY	38mm & 50mm (1-1/2 " & 2") METER INSTALLATION SHOWING OPTIONAL BYPASS	
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-13 1 OF 3

CITY OF AUSTIN AUSTIN WATER UTILITY	38mm & 50mm (1-1/2 " & 2") METER INSTALLATION SHOWING OPTIONAL BYPASS	
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-13 2 OF 3

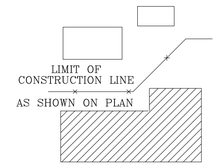
CITY OF AUSTIN AUSTIN WATER UTILITY	38mm & 50mm (1-1/2 " & 2") METER INSTALLATION SHOWING OPTIONAL BYPASS	
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-13 3 OF 3



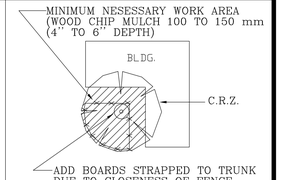
LINEAR CONSTRUCTION THROUGH TREES



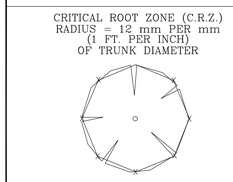
TREES IN PAVING AREA



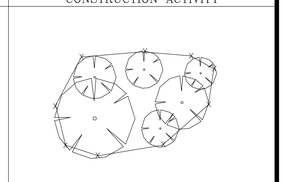
NATURAL AREAS



TREES NEAR CONSTRUCTION ACTIVITY

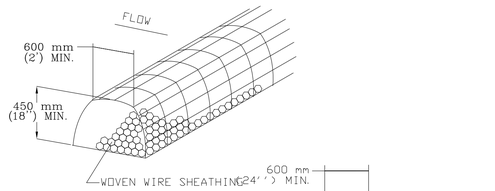


INDIVIDUAL TREE

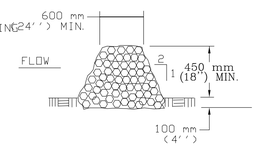


GROUP OF TREES

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE LOCATIONS	
RECORD COPY SIGNED BY J. PATRICK MURPHY 11/15/99 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-1



ROCK BERM



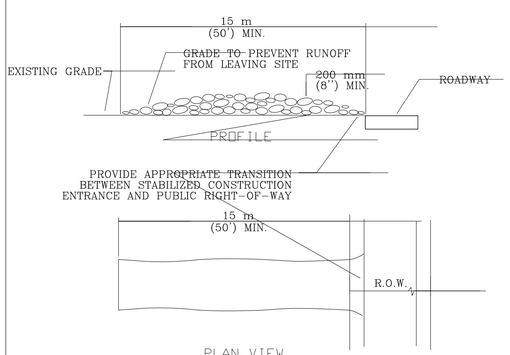
CROSS SECTION

STANDARD SYMBOL FOR ROCK BERM (RB)

RB

NOTES:
1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. 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).
3. 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.
4. 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 SEDIMENTION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

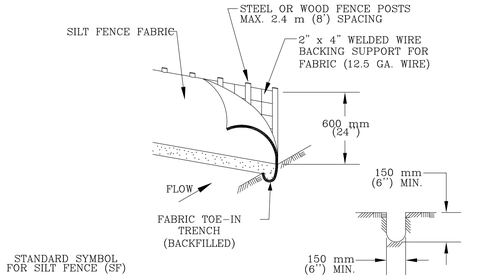
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	ROCK BERM	
RECORD COPY SIGNED BY MORGAN BYARS 8/24/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 639S-1



PLAN VIEW

NOTES:
1. STONE SIZE: 75–125 mm (3–5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. 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.
6. 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.
7. 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	STABILIZED CONSTRUCTION ENTRANCE	
RECORD COPY SIGNED BY J. PATRICK MURPHY 5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



STANDARD SYMBOL FOR SILT FENCE (SF)

SF
L=

TRENCH CROSS SECTION

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 SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE 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 PROMPTY AS NEEDED.

6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM 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	SILT FENCE	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1

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Professional of Record:

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TRAVIS J. BOUSQUET
86084
LICENSED PROFESSIONAL ENGINEER

March 06, 2014

PROPOSED CIRCLE K CONVENIENCE STORE
2615 WEST PECAN STREET
PFLUGERVILLE, TEXAS 78660

Revisions:

#	Date Issued:	Description:
-	-	-

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY OF HISINER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

SITE PLAN RELEASE

FILE NUMBER:_____ EXPIRATION DATE:_____

CASE MANAGER:_____ APPLICATION DATE:_____

REVIEWED BY:

Watershed Protection and Development Review Dept. Date

SHEET No. 19 of ___

Sheet Title:

DETAIL SHEET 6

Date: 3/6/ 2014

Project Number: 13502

Drawn By: TJB

Scale:

Sheet Number:

C-7.5