

NOTES:

1. WATER QUALITY & DETENTION FOR THIS SITE PLAN HAVE INCLUDED FUTURE EQUIPMENT AND PLATFORM AREAS OF FUTURE CARRIERS ON-SITE WITHIN THE DRAINAGE & WATER QUALITY IMPROVEMENTS AS SHOWN.
2. CARRIER A, B, C, AND D ARE NOT PROPOSED TO BE CONSTRUCTED UNDER THIS PERMIT AND WILL REQUIRE TO BE FILED LATER AS NEEDED.

Keith Harris Memorial
Rational Method Drainage Calculations

DA	Coefficient					Intensity					Flow				
	Area	C2	C10	C25	C100	Tc	I2	I10	I25	I100	Q2	Q10	Q25	Q100	
DA-1-EX	0.251	0.37	0.43	0.46	0.53	5.00	6.46	8.64	9.84	11.88	0.60	0.93	1.14	1.58	
DA-1-DEV	0.251	0.42	0.49	0.52	0.59	5.00	6.46	8.64	9.84	11.88	0.69	1.06	1.29	1.77	

Runoff Coefficients

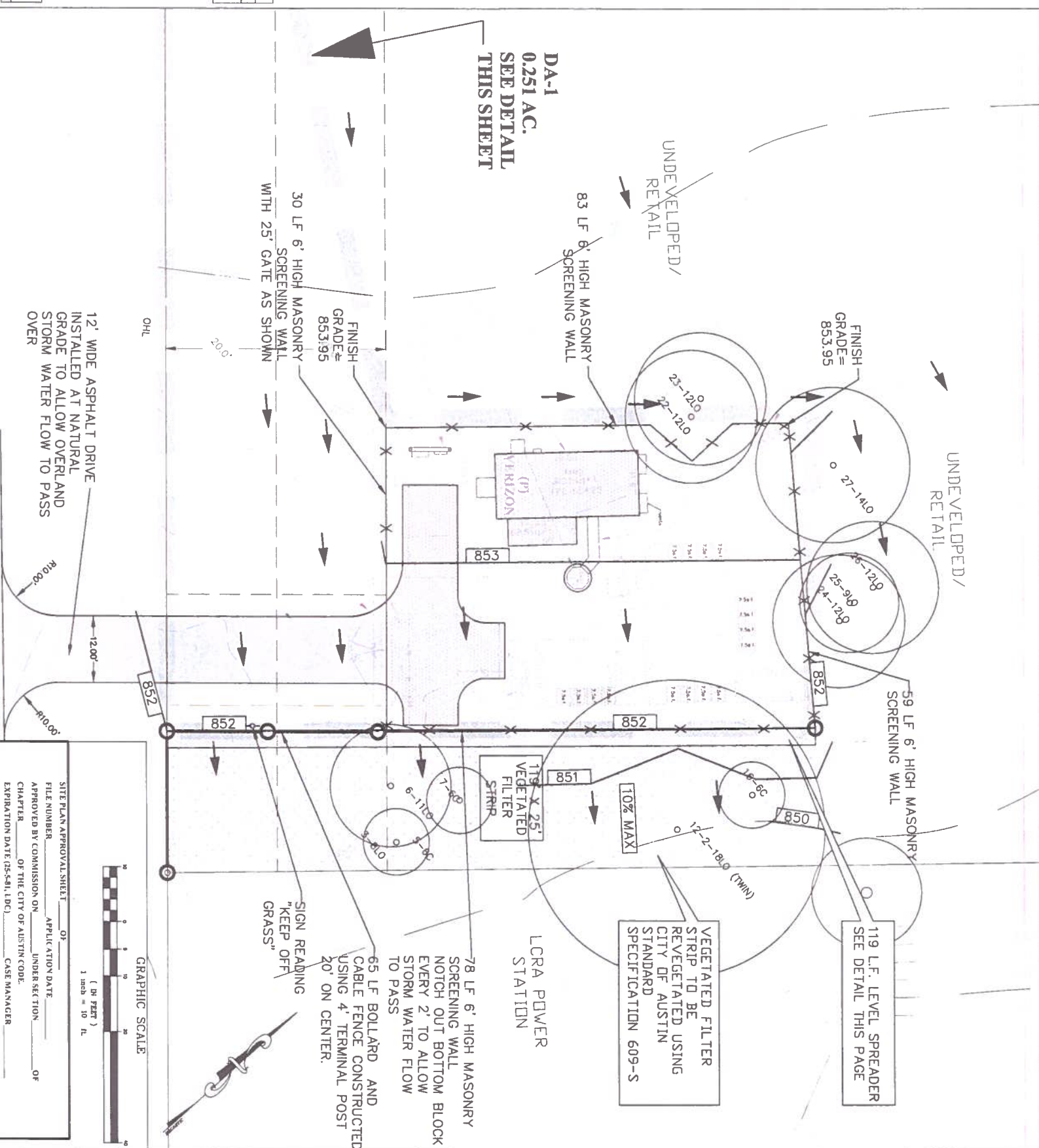
No.	Area	Impervious Cover	Pervious Cover	Weighted Average Runoff Coefficient
DA-1-EX	0.251	0.0000	0.2510	0.37
DA-1-DEV	0.251	0.0363	0.2147	0.42

Natural Vegetative Filter Strip Design Calculations
City of Austin - Water Quality Management

308	PROPOSED	Treated	PROPOSED	30' Peak	VFS	Hydraulic	VFS	Calculated VFS	Provided VFS
1	Impervious Area (AC)	Area (AC)	Percolation	Percolation	Length (ft)	Ratio (CFS/ft)	Ratio	Width (ft)	Width (ft)
1	0.0363	0.251	0.14	0.78	119	6.007	0.270	0.068	25

Hydraulic Loading Rate Less Than 0.5 CFS per Foot? Yes
Area of Filter Strip Greater than Treated Area Multiplied by the Appropriate SOS Ratio? Yes
Design of Filter Strip Based on Greater Than 25 Foot Minimum? Yes
Design of Filter Strip Based on Greater Than 25 Foot Minimum? Yes
The increase in flow due to detention of this tract is less than 0.5 CFS in the 2 year event; therefore the requirement for onsite detention of the 2 y storm is met.

NOTE: SITE SURFACE TREATMENT TO BE NON-COMPACTED WASHED RIVER GRAVEL SEE DETAIL, SHEET 2



SURFACE TREATMENT LEGEND

IMPERVIOUS MATERIAL 1.562 SQ. FT.

PERVIOUS NON-COMPACTED WASHED RIVER GRAVEL

LEVEL SPREADER

FLOW ARROW

VEGETATED FILTER STRIP

SH 45 WB

Planning and Development Review.

RELEASED FOR GENERAL COMPLIANCE _____ ZONING _____

Rev. 1 _____ Correction 1 _____

Rev. 2 _____ Correction 2 _____

Rev. 3 _____ Correction 3 _____

Final plan must be reviewed 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.

WATER QUALITY PLAN
KEITH HARRIS MEMORIAL
120' MONOPOLE

6000-1/2 SH 45
AUSTIN, TEXAS 78738



Bleyl & Associates
Project Engineering & Management
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REV	DATE	BY	APP	COMMENT

PREPARED FOR: _____
SCALE: _____
DATE: _____
DRAWN BY: _____
PROJECT MANAGER: VINCENT G. HUEBINGER



PROJECT NUMBER
10792

FILE NAME: KEITH HARRIS MEMORIAL-02
SHEET: 5 OF: 5