10' PUBLIC UTILITY EASEMENT

DOCUMENT NO. 200800106

GRAPHIC SCALE: 1" = 40' **LEGEND** EXISTING EASEMENTS/SETBACK 1/2" IRON ROD FOUND (UNLESS NOTED) 1" IRON PIPE FOUND (UNLESS NOTED) BENCHMARK SET

----- PROPOSED BUILDING SETBACK HANDICAP PARKING TRAFFIC SIGNAL BOX WATER METER WATER VALVE FIRE HYDRANT STORM SEWER MANHOLE WASTEWATER MANHOLE SIGN (AS NOTED) POWER POLE DOWN GUY CONTROL POINT --- GAS LINE T UNDERGROUND TELEPHONE ---- E ----- UNDERGROUND ELECTRIC ---OE----- OVERHEAD FLECTRIC -----SS------ STORM SEWER LINE -UE- UNDERGROUND ELECTRIC EXISTING FLOW ARROW

> THESE PLANS ARE RELEASED UNDER THE AUTHORITY OF VITO TRUPIANO, P.E., TBPE#119592, ON 12-11-2015 FOR THE PURPOSES OF REVIEW AND ARE NOT TO B USED FOR CONSTRUCTION PRIOR TO APPROVAL BY THE CITY OF BEE CAVE.

NHE, BEE (

Designed: VT Drawn: EH,DM Reviewed: VT

12-11-2015 SHEET

Project No.: 1193-002

15' SIDEWALK & PEDESTRIAN / EASEMÉNT (150' R.Ø.W.)

AI TOJ

BLOCK 'A

.6493 ACRES

20/ WATERLINE BASEMENT

DOCUMENT NO. 2007099161-

N84'34'42"W 231.57'

2.1282 ACRES

BLOCK A

5 BUILDING SETBACK LINE DOCUMENT NO. 200800106

LANDSCAPE EASEMENT DOCUMENT NO. 2008¢0106

BEE CAVE-71A LLC DOCUMENT NO. 2012184238

O.P.R.T.C.

ZONING: NS

JOINT ACCESS EASEMENT. MAINTENANCE OF JOINT ACCESS EASEMENT SHALL BE IN ACCORDANCE WITH THE DECLARATION OF RESTRICTIONS AND EASEMENTS, RECORDED IN DOC. __ OF THE O.P.R.T.C.T.

BY THE CITY OF BEE CAVE, TEXAS,

TRANSPORTATION NOTES:

1. IN APPROVING THIS PLAT, THE CITY OF BEE CAVE, TEXAS AND

THE COMMISSIONER'S COURT OF TRAVIS COUNTY TEXAS ASSUMES NO OBLIGATION TO BUILD STREETS OR ROADS SHOWN ON THIS

STRUCTURES IN CONNECTION THEREWITH, OR PROVIDE ANY TRAFFIC

BUILDING OF ALL STREETS OR ROADS SHOWN ON THIS PLAT, AND ALL BRIDGES, CULVERTS, DRAINAGE STRUCTURES CONSTRUCTED OR

ACCORDANCE WITH THE PLANS AND SPECIFICATIONS PRESCRIBED

2. THE SUBDIVISION HAS DIRECT ACCESS TO VAIL DIVIDE BY A

CONTROL DEVICES OR SIGNS IN CONNECTION THEREWITH. THE

IN PLACE IN SUCH STREETS OR ROADS OR IN CONNECTION

THEREWITH IS THE RESPONSIBILITY OF THE OWNER AND/OR DEVELOPER OF THE TRACT OF LAND COVERED BY THIS PLAT IN

PLAT OR BUILD ANY BRIDGES, CULVERTS OR DRAINAGE

OWNER'S	CERTIFICATION:

THE STATE OF TEXAS COUNTY OF TRAVIS

KNOWN ALL MEN BY THESE PRESENTS

THAT BIODEC, LLC ACTING HEREIN BY AND THROUGH KENNETH R. SATTERLEE, MANAGING MEMBER, OWNER OF 5.230 ACRES OF LAND DO HEREBY DEDICATE A PORTION OF SAID TRACT AS SHOWN HEREON TO BE KNOWN AS:

FALCON HEAD VAIL DIVIDE COMMERCIAL

WITNESS MY HAND, THIS THE 16TH DAY OF MARCH, 2015 A.D.

KENNETH R. SATTERLEE, 901 SOUTH MOPAC EXPRESSWAY BARTON OAKS PLAZA I, SUITE 160 AUSTIN, TX 78746

STATE OF TEXAS

ADDRESS OF OWNER

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED . KNOWN ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED ON THE FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED ON BEHALF OF SAID COMPANY.

GIVEN UNDER MY NAME AND SEAL OF OFFICE THIS THE 16TH OF MARCH, 2015

NOTARY PUBLIC FOR TRAVIS COUNTY, TEXAS

PRINT OR STAMP HERE MY COMMISSION EXPIRES

SURVEYOR'S CERTIFICATION:

THE STATE OF TEXAS

COUNTY OF TRAVIS

KNOW ALL MEN BY THESE PRESENTS

THAT I, SYDNEY SMITH XINOS, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ACTUAL ON-THE-GROUND SURVEY OF THE LAND SHOWN HEREON AND THAT THE SURVEY MONUMENTS SHOWN HEREON WERE SET UNDER MY SUPERVISION IN ACCORDANCE WITH THE SUBDIVISION ORDINANCE OF THE CITY OF BEE CAVE, TEXAS.

TEXAS REGISTRATION NO. 5361 DOUCET & ASSOCIATES, INC. 7401B HWY 71 WEST, SUITE 160

5361

OWNER'S CERTIFICATION:

THE STATE OF TEXAS

AUSTIN, TX 78735

PHONE: 512-583-2600

COUNTY OF TRAVIS

KNOWN ALL MEN BY THESE PRESENTS

THAT I. TODD BLENDEN. A LICENSED PROFESSIONAL ENGINEER IN THE STATE TEXAS, HEREBY CERTIFY THAT THE PROPER ENGINEERING CONSIDERATIONS HAVE BEEN GIVEN TO THIS PLAT AND THAT IT MEETS THE REQUIREMENTS OF THE SUBDIVISION ORDINANCE OF THE CITY OF BEE CAVE, TEXAS.

TODD BLENDEN, PE, RPLS TEXAS REGISTRATION NO. 96643 DOUCET & ASSOCIATES, INC. 7401B HWY 71 WEST, SUITE 160 AUSTIN, TX 78735 PHONE: 512-583-2600

FLOODPLAIN CERTIFICATION:

NO PART OF THE SUBJECT PROPERTY LINES WITHIN A FLOODPLAIN OR FLOOD PRONE AREA OR A FLOOD WAY OF ANY BODY OF WATER PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY RATE MAP, COMMUNITY F.I.R.M. MAP PREPARED FOR TRAVIS COUNTY, DATED EFFECTIVE SEPTEMBER 26, 2008, AS SHOWN ON COMMUNITY PANEL NO. 48453C 0405H

PRINT OR STAMP HERE

MY COMMISSION EXPIRES

COUNTY CLERK'S CERTIFICATION:

THE STATE OF TEXAS

COUNTY OF TRAVIS

I, DANA DEBEAUVOIR, CLERK OF TRAVIS COUNTY, TEXAS DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT OF WRITING AND ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE ON THE _____ DAY OF ___, 20___, AT _____ O'CLOCK __.M., AND DULY RECORDED ON THE ____ DAY OF ______, 20____, A.D. AT _____ O'CLOCK ____.M., OFFICIAL PUBLIC RECORDS OF SAID COUNTY AND STATE IN DOCUMENT NO.

_____. WITNESS MY HAND AND SEAL OF OFFICE OF THE COUNTY CLERK, THIS _____ DAY OF _____, 20____, A.D. DANA DEBEAUVOIR, COUNTY CLERK, TRAVIS COUNTY, TEXAS.

METES AND BOUNDS DESCRIPTION:

MEETS AND BOUNDS DESCRIPTION OF 5.229 ACRES OF LAND, BEING ALL OF LOT 1, BLOCK A, FALCONHEAD WEST, PHASE 1, SECTION 2 & PHASE 2, A SUBDIVISION ACCORDING TO THE PLAT RECORDED IN DOCUMENT NO. 200800106, OF THE OFFICIAL RECORDS OF TRAVIS COUNTY, TEXAS, HAVING BEEN CONVEYED TO BIODEC, LLC IN A SPECIAL WARRANTY DEED RECORDED IN DOCUMENT NO. 2014189375 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "G&R", FOUND AT THE WEST CORNER OF SAID LOT 1. AT THE NORTHEAST INTERSECTION OF THE NORTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 71 (150' R.O.W.) WITH THE EAST RIGHT-OF-WAY LINE OF VAIL DIVIDE (100' R.O.W.), FOR THE WEST CORNER OF THIS TRACT AND POINT OF

THENCE WITH THE NORTHWEST LINE OF SAID LOT 1 AND THE SOUTH EAST RIGHT-OF-WAY LINE OF SAID VAIL DIVIDE, THE FOLLOWING SIX (6) COURSES:

- 1) NO4°59'58"E, A DISTANCE OF 44.08 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "G&R" FOUND FOR A POINT OF CURVATURE,
- 2) WITH A CURVE TO THE RIGHT HAVING A RADIUS OF 250 FEET, A LENGTH OF 223.69 FEET, A DELTA ANGLE OF 51"16'00", AND A CHORD WHICH BEARS N30"36'26"E, A DISTANCE OF 216.31 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "G&R" FOUND.
- 3) N56"17'10"E, A DISTANCE OF 138.63 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "CAPITAL" FOUND FOR A POINT OF CURVATURE,
- 4) WITH A CURVE TO THE RIGHT HAVING A RADIUS OF 250 FEET, A LENGTH OF 66.35 FEET, A DELTA ANGLE OF 15"12'25", AND A CHORD WHICH BEARS N63"51'44"E, A DISTANCE OF 66.16 FEET TO A 1/2-INCH IRON ROD WITH
- PLASTIC CAP STAMPED "G&R" FOUND, 5) N71'31'21"E, A DISTANCE OF 100.09 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "G&R" FOUND FOR A POINT OF CURVATURE.
- 6) WITH A CURVE TO THE LEFT HAVING A RADIUS OF 350 FEET, A LENGTH OF 82.40 FEET, A DELTA ANGLE OF 13°29'20", AND A CHORD WHICH BEARS N64°41'34"E, A DISTANCE OF 82.21 FEET, TO A NAIL FOUND AT THE WEST CORNER OF LOT 2, BLOCK A, OF SAID FALCONHEAD WEST, PHASE 1, SECTION 2 & PHASE 2, FOR THE

THENCE DEPARTING THE EAST RIGHT OF WAY LINE OF SAID VAIL DIVIDE, WITH THE NORTH LINE OF SAID LOT 1 AND THE SOUTH LINE OF LOTS 2, 3, 4, 5, AND 6, OF BLOCK A, THE FOLLOWING FIVE (5) COURSES:

- 1) S56°25'58"E, A DISTANCE OF 104.32 FEET TO A NAIL FOUND AT THE COMMON CORNER OF SAID LOTS 2 AND 3, 2) S29°06'20"E, A DISTANCE OF 67.65 FEET TO A NAIL FOUND AT THE COMMON CORNER OF SAID LOTS 3 AND 4, 6) S56°26'22"E. A DISTANCE OF 79.99 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "CAPITAL"
- FOUND AT AN ANGLE POINT IN THE SOUTH LINE OF SAID LOT 4. 4) S8714'43"E, AT A DISTANCE OF 23.25 PASS A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "CAPITAL" FOUND AT THE COMMON CORNER OF SAID LOTS 4 AND 5, CONTINUING IN ALL A DISTANCE OF 102.92 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "CAPITAL" FOUND AT AN ANGLE POINT IN THE SOUTH LINE OF
- 5) N61°55'15"E, AT A DISTANCE OF 81.32 PASS A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "WINDROSE" FOUND AT THE COMMON CORNER OF SAID LOTS 5 AND 6, CONTINUING IN ALL A DISTANCE OF 87.42 FEET TO A 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED "CAPITAL" FOUND IN THE WEST LINE OF A CALLED 22.9970-ACRE TRACT OF LAND CONVEYED TO BEE CAVE-71A, LLC, IN DOCUMENT NO. 2012184238 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, FOR THE NORTHEAST CORNER OF THIS TRACT,

THENCE S28'20'42"W, A DISTANCE OF 368.81 FEET WITH THE EAST LINE OF SAID LOT 1 AND THE WEST LINE OF SAID 22.9970-ACRE TRACT, TO A 1/2-INCH IRON ROD FOUND IN THE NORTH RIGHT-OF-WAY LINE OF SAID STATE HIGHWAY 71, FOR THE SOUTHEAST CORNER OF THIS TRACT,

THENCE WITH THE SOUTH LINE OF SAID LOT 1 AND THE NORTH RIGHT-OF-WAY LINE OF SAID STATE HIGHWAY 71, THE FOLLOWING TWO (2) COURSES:

- 1) N84'34'42"W, A DISTANCE OF 231.57 FEET TO A CALCULATED POINT FROM WHICH A LEANING TXDOT CONCRETE MONUMENT FOUND BEARS N26°52'47"W, A DISTANCE OF 0.50 FEET, FOR A POINT OF CURVATURE,
- 2) WITH A CURVE TO THE LEFT HAVING A RADIUS OF 5789.58 FEET, A LENGTH OF 419.51 FEET, A DELTA ANGLE OF 04'09'06", AND A CHORD WHICH BEARS N86'39'09"W, A DISTANCE OF 419.42 FEET, TO THE POINT OF BEGINNING AND CONTAINING AN AREA OF 5.229 ACRES (227,806 SQUARE FEET), MORE OR LESS.

BEARING BASIS TEXAS COORDINATE SYSTEM, CENTRAL ZONE, NAD83, GRID.

BENCHMARKS:

ELEVATION: 1129.65

CP#1: 1 IRON ROD SET WITH ALUMINUM "DOUCET AND ASSOCIATES" CAP. SET 18.49' NORTH OF NORTH EDGE OF RIBBON CURB ON NORTHBOUND LANES OF VAIL DIVIDE, AND 15.33' NORTHEAST OF DOUBLE IRRIGATION CONTROL VALVE. N: 10087665.49' E: 3034808.348' **ELEVATION: 1125.17'**

CP#2: 60D NAIL SET ON SOUTHEAST SIDE OF SOUTHEAST EDGE OF PAVEMENT OF NORTHBOUND LANES OF VAIL DIVIDE; 4.38' SOUTHEAST OF SOUTHEAST EDGE OF RIBBON CURB, AND 8.58' SOUTHEAST OF WASTEWATER MANHOLE IN THE CENTER OF NORTHBOUND LANES OF VAIL DIVIDE. N: 10087701.75 E: 3035012.59' ELEVATION: 1117.05'

CP#9: 60D NAIL SET ON SOUTHEAST SIDE OF SOUTHEAST EDGE OF PAVEMENT OF NORTHBOUND LANES OF VAIL DIVIDE; 11.91' SOUTHEAST OF SOUTHEAST EDGE OF RIBBON CURB, AND 16.17' SOUTHWEST OF WATER VALVE JUST OFF THE SOUTHEAST EDGE OF RIBBON CURB OF NORTH BOUND LANES OF VAIL DIVIDE. N: 10087540.79' E: 3034691.92'

1. ELECTRIC SERVICE WILL BE PROVIDED BY AUSTIN ENERGY. THIS SUBDIVISION IS ENCUMBERED BY A BLANKET ELECTRIC DISTRIBUTION UTILITY EASEMENT TO AUSTIN ENERGY RECORDED AS DOC. NO. ______, O.P.R.T.C.T.

BE LOCATED SO AS TO CAUSE THE SITE TO BE OUT OF COMPLIANCE WITH THE LAND DEVELOPMENT CODE.

2. AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVER TREES, SHRUBBERY, AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH THE LAND DEVELOPMENT CODE AND THE CITY OF BEE CAVER OAK WILT REGULATIONS.

3. THE OWNERS OF THE SUBDIVISION SHALL PROVIDE AUSTIN ENERGY WITH AN EASEMENT AND/OR ACCESS REQUIRED IN ADDITION TO THOSE INDICATED, EXCLUSIVELY FOR THE INSTALLMENT AND ONGOING MAINTENANCE OF FACILITIES FOR IMPROVEMENTS TO THIS SUBDIVISION AND FOR NO OTHER PURPOSE. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRICAL SERVICE TO THE BUILDING AND WILL NOT

4. THE OWNER OF THE PROPERTY SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TEMPORARY EROSION CONTROL, RE-VEGITATION AND TREE PROTECTION. AUSTIN ENERGY WORK ON THE PROPERTY SHALL BE INCLUDED WITHIN THE LIMITS OF CONSTRUCTION FOR THIS

5. THE OWNER OF THE PROPERTY OR HIS/HER ASSIGNS IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.) REGULATIONS, AUSTIN ENERGY RULES AND REGULATIONS AND STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICES UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED BY THE OWNER.

6. DRAINAGE AND WATER QUALITY EASEMENTS ARE FOR THE PROTECTION OF THE ENVIRONMENT BY IMPROVING THE QUALITY OF STORM WATER RUNOFF FROM DEVELOPED LANDS. THE NATIVE LAND OR MANAGEMENT PRACTICES WITHIN THESE EASEMENTS ARE TO HELP MAINTAIN CLEAN WATER IN CREEKS, RIVERS, AND LAKES. NO STRUCTURE OR IMPROVEMENTS, OTHER THAN NATIVE PLANT ENHANCEMENTS, OR WATER QUALITY CONTROL IMPROVEMENTS IN ACCORDANCE WITH THE NON-POINT SOURCE POLLUTION CONTROL PERMIT FOR THE SUBDIVISION. OR MAINTENANCE TO THE AREAS IN ACCORDANCE WITH THE NON-POINT SOURCE POLLUTION CONTROL PERMIT FOR THE SUBDIVISION MAY BE PLACES OR PERFORMED WITH IN THESE EASEMENTS WITHOUT PRIOR AUTHORIZATION AND APPROVAL IN WRITING FROM THE CITY OF BEE CAVE. THESE EASEMENTS SHALL BE MAINTENANCE PLAN OF THE NON-POINT SOURCE POLLUTION CONTROL PERMIT APPLICABLE TO THE LOT. THESE EASEMENTS MAY NOT BE AMENDED OR ALTERED EXCEPT BY EXPRESS WRITTEN AGREEMENT OF THE CITY.

7. PROPERTY OWNER AND/OR HIS/HER ASSIGNS SHALL PROVIDE FOR ACCESS TO DRAINAGE EASMENTS/STORM SEWER EASEMENTS AS MAY BE NECESSARY AND SHALL NOT PROHIBIT ACCESS BY TRAVIS COUNTY AND THE CITY OF BEE CAVE FOR INSPECTION OR MAINTENANCE OF SAID

8. DEVELOPMENT OF THE PROPERTY SHALL NOT COMMENCE UNTIL A NON-POINT SOURCE POLLUTION CONTROL PERMIT FOR THIS SUBDIVISION. SHOULD THE USE OF THE PROPERTY CHANGE, ALTER, R AMEND THE USE AS PERMITTED IN THE NON-POINT SOURCE POLLUTION CONTROL PERMIT. THEN AN AMENDED NON-SOURCE POLLUTION CONTROL PERMIT SHALL BE REQUIRED.

9. THE DETENTION AND WATER QUALITY FACILITIES LOCATED IN LOT 1C BLOCK "A" SHALL BE MAINTAINED IN ACCORDANCE WITH THE DECLARATION OF RESTRICTIONS AND EASEMENTS RECORDED IN DOC. NO. _____ OF THE O.P.R.T.C.T.

10. SELLING A PORTION OF THIS LAND BY METES AND BOUNDS IS A VIOLATION OF HE CITY OF BEE CAVE ORDINANCES AND STATE LAW, AND IS SUBJECT TO FINES AND THE WITHHOLDING OF UTILITIES AND BUILDING PERMITS.

11. NO CONVEYANCE OR SALES OF ANY PORTION OR LOT OF THE PROPERTY MAY OCCUR UNTIL AFTER THE FINAL PLAT IS RECORDED WITH THE CLERK OR TRAVIS COUNTY, TEXAS.

CITY CERTIFICATIONS:

CITY SECRETARY

THIS PLAT IS APPROVED BY THE CITY OF BEE CAVE FOR FILING AT THE OFFICE OF THE COUNTY CLERK OF TRAVIS

APPROVED BY: PLANNING AND ZONING COMMISSION, CITY OF BEE CAVE, TEXAS.

CHAIRPERSON ATTEST:	DATE	
CITY SECRETARY	DATE	
APPROVED BY: CITY COUNCIL, CITY OF BEE CAVE, TEXAS.		

THIS	PROPERTY	/ IS	LOCATED	IN	THE	CITY	LIMITS	OF	THE	CITY	OF	BEE	CAVE,	TRAVIS	COUNTY,	TEXAS.
MAYC ATTE									-		Ī	DATE				
CITY	SECRETAR	Y							_		7	DATE				

I, THE UNDERSIGNED MAYOR OF THE CITY OF BEE CAVE, HEREBY CERTIFY THAT THIS SUBDIVISION PLAT CONFORMS TO ALL THE REQUIREMENTS OF THE SUBDIVISION REGULATIONS OF THIS CITY, AND AM HEREBY AUTHORIZED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF BEE CAVE FOR THE RECORDING IN THE PLAT RECORDS OF TRAVIS COUNTY,

MAYOR ATTEST:	DATE
CITY SECRETARY	DATE

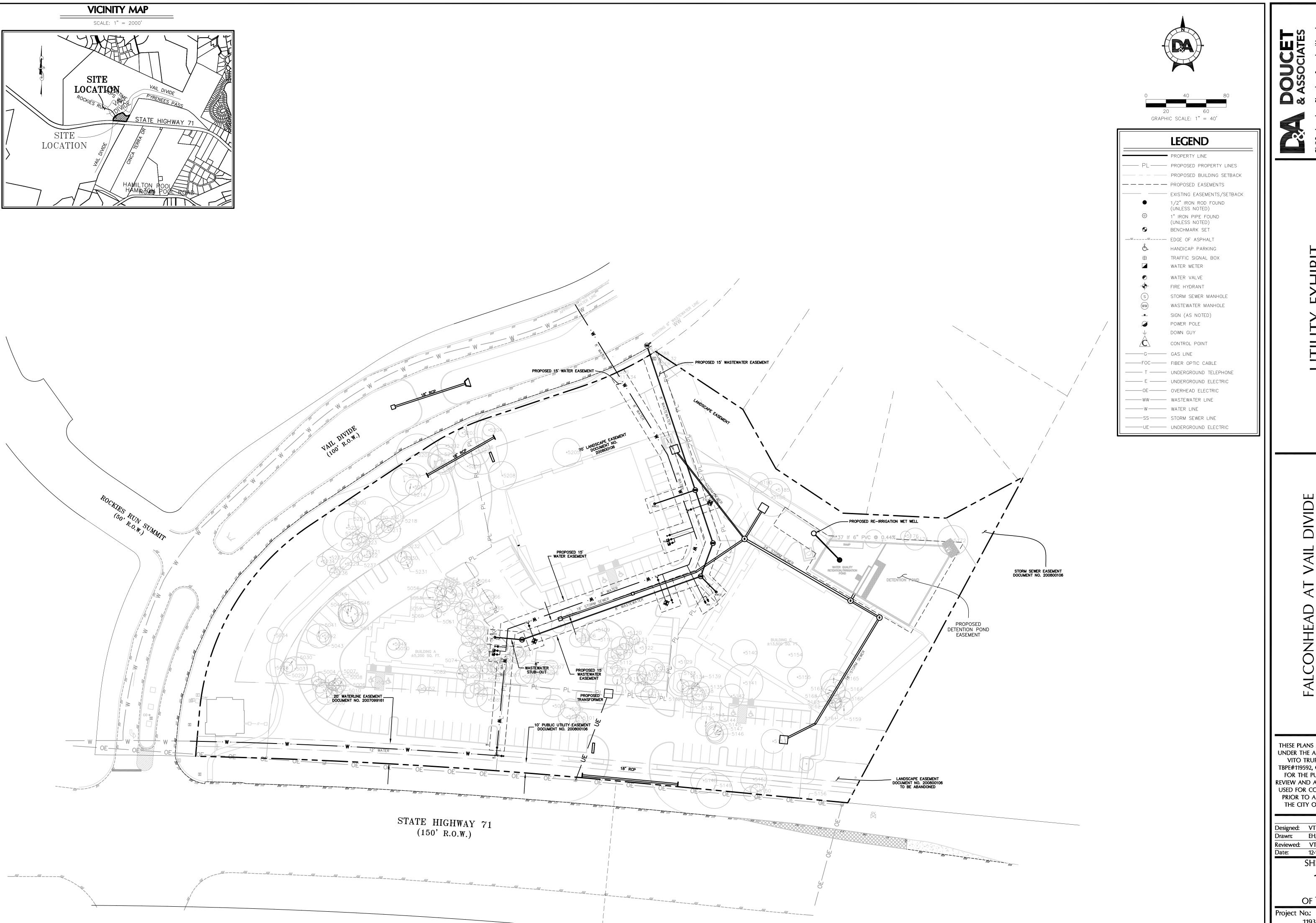
□

THESE PLANS ARE RELEASED UNDER THE AUTHORITY OF VITO TRUPIANO, P.E., TBPE#119592, ON 12-11-2015 FOR THE PURPOSES OF REVIEW AND ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO APPROVAL BY THE CITY OF BEE CAVE.

<u> </u>	
Designed:	TB
Drawn:	EH
Reviewed:	ТВ
	10 11 00

12-11-2015 SHEET

Project No.:

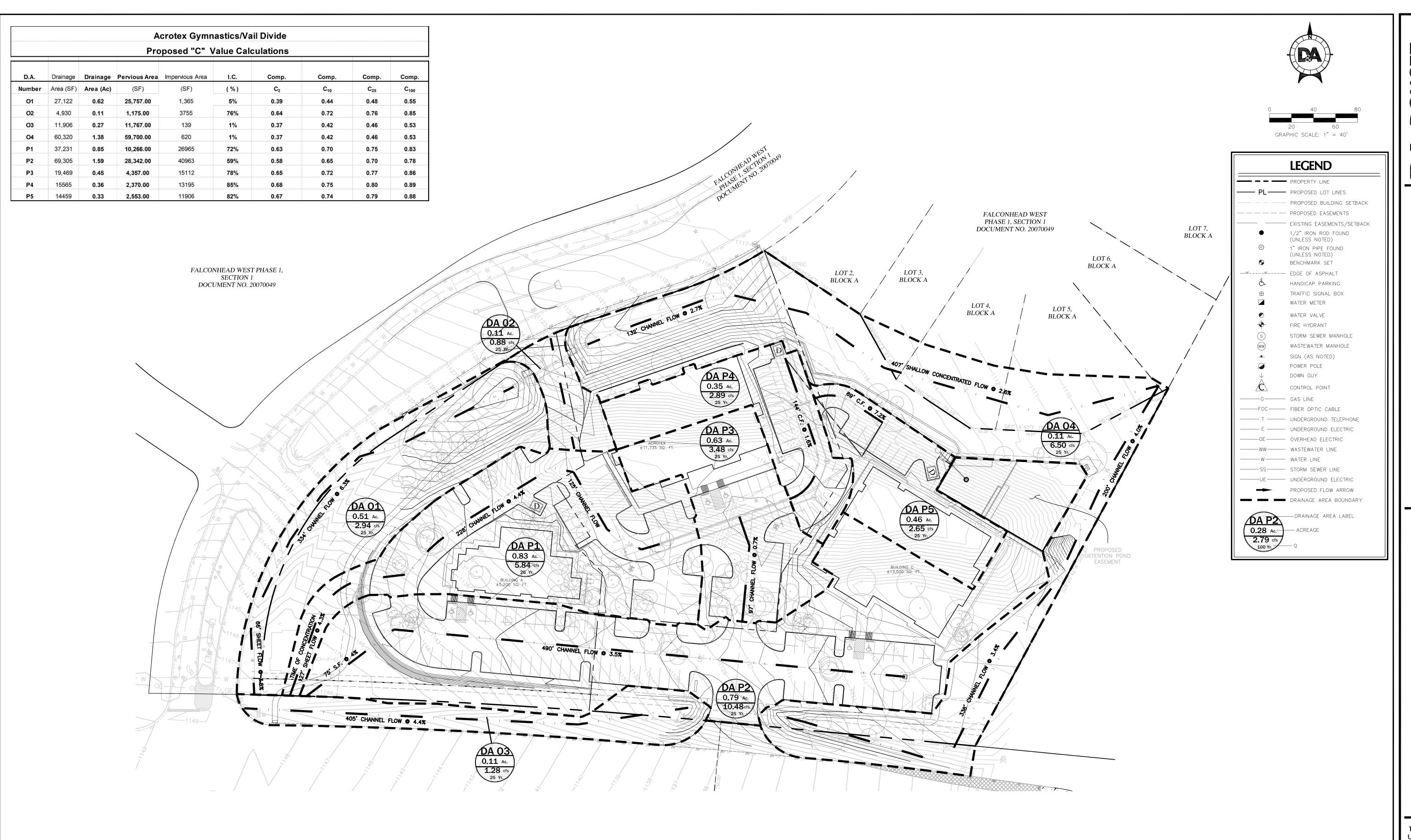


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Designed: VT
Drawn: EH,DM Reviewed: VT 12-10-2015

SHEET

1193-002



	Acrotex Gymnastics/Vail Divide													
	Proposed "Tc" Value Calculations													
	Sheet Flow							ow Flow			Total			
Drainage	Area	Length	Slope	n	Tt	Length	Slope	n	Tt	Length	v	Slope	Tt	Te
Area	(Ac.)	ft	ft/ft		min	ft	ft/ft		min	ft	ft/s	ft/ft	min	min
01	0.62 Ac.	66	0.038	0.13	4.68 min	0	0.030	0.05	0.00	334	6.00	0.063	0.93	5.6 min
02	0.11 Ac.	100	0.060	0.015	0.97 min	3	0.060	0.025	0.01	0	6.00	0.020	0.00	5.0 min
03	0.27 Ac.	0	0.030	0.13	0.00 min	0	0.030	0.025	0.00	405	6.00	0.044	1.13	5.0 min
04	1.38 Ac.	0	0.030	0.13	0.00 min	407	0.026	0.025	1.05	132	6.00	0.027	0.37	5.0 min
P1	0.85 Ac.	100	0.043	0.13	6.20 min	27	0.043	0.05	0.11	353	6.00	0.044	0.98	7.3 min
P2	1.59 Ac.	75	0.040	0.13	5.07 min	0	0.030	0.025	0.00	490	6.00	0.035	1.36	6.4 min
Р3	0.45 Ac.	0	0.030	0.13	0.00 min	0	0.030	0.025	0.00	97	6.00	0.007	0.27	5.0 min
P4	0.36 Ac.	0	0.030	0.13	0.00 min	0	0.030	0.025	0.00	144	6.00	0.016	0.40	5.0 min
P5	0.33 Ac.	0	0.030	0.13	0.00 min	0	0.030	0.025	0.00	69	6.00	0.016	0.19	5.0 min

Storm Event	Slope	es 2-7%
C'	Pervious	Impervious
C ₂	0.37	0.73
C ₁₀	0.42	0.81
C ₂₅	0.46	0.86
C ₁₀₀	0.53	0.95

Proposed Runoff (Q) Calculations															
D.A.	Drainage	TOTAL I.C.	Comp.	Comp.	Comp.	Comp.	TOTAL	i ₂	i ₁₀	i ₂₅	i ₁₀₀	Q_2	Q ₁₀	Q ₂₅	Q ₁₀₀
Number	Area (Ac)	(%)	C ₂	C ₁₀	C ₂₅	C ₁₀₀	T _c (Min.)	(in/hr)	(in/hr)	(in/hr)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)
01	0.62	5%	0.39	0.44	0.48	0.55	5.6	5.59	8.32	9.83	12.23	1.3	2.3	2.94	4.20
02	0.11	76%	0.64	0.72	0.76	0.85	5.0	5.76	8.57	10.11	12.54	0.4	0.7	0.88	1.21
О3	0.27	1%	0.37	0.42	0.46	0.53	5.0	5.76	8.57	10.11	12.54	0.6	1.0	1.28	1.83
04	1.38	1%	0.37	0.42	0.46	0.53	5.0	5.76	8.57	10.11	12.54	3.0	5.0	6.50	9.28
P1	0.85	72%	0.63	0.70	0.75	0.83	7.3	5.16	7.70	9.11	11.44	2.8	4.6	5.84	8.16
P2	1.59	59%	0.58	0.65	0.70	0.78	6.4	5.37	8.00	9.46	11.83	5.0	8.3	10.48	14.65
P3	0.45	78%	0.65	0.72	0.77	0.86	5.0	5.76	8.57	10.11	12.54	1.7	2.8	3.48	4.80
P4	0.36	85%	0.68	0.75	0.80	0.89	5.0	5.76	8.57	10.11	12.54	1.4	2.3	2.89	3.97
P5	0.33	82%	0.67	0.74	0.79	0.88	5.0	5.76	8.57	10.11	12.54	1.3	2.1	2.65	3.65

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PROPOSED

Designed:	VT
Orawn:	EH,DM
Reviewed:	VT
Date:	12-10-2015
	CLIEFT

THE CITY OF BEE CAVE.

SHEET

Project No.: 1193-002