												ATTACTION
PLANT SCHEDULE												
TREE9 CERCI9 OCCIDENTALI9 CERCI9 OCCIDENTALI9	COMMON NAME WESTERN REDBUD MULTI-TRUNK WESTERN REDBUD MULTI-TRUNK	<u>SIZE</u> 24" 24"	CONTAINER MULTI-STEM		WATER USE VERY LOW - MEDIUM VERY LOW - MEDIUM		APE USE Y TREE, PATIO TREE Y TREE, PATIO TREE	MATURE HEIGHT 15 - 25' HT. 15 - 25' HT.	2021-10-21 08:03 MATURE WIDTH 10 - 15' W. 10 - 15' W.			
SUITABLE FOR STORM WATER PLANTERS	WESTERN REDBUD FILLTI-TRUNK	24	I-IULII-51EI-I		VERT LOW - ITEDIUM	UIILIII FRIENDL	TREE, FAILUTREE	15 - 25 HI.	10 - 15 W.			
EUCALYPTUS CITRIODORA	LEMON SCENTED GUM	36"			LOW			25 - 65' HT.	40 - 0' W.			
GEIJERA PARVIFLORA HIBI9CU9 9YRIACU9	AUSTRALIAN WILLOW ROSE OF SHARON	24" 24"	MULTI-STEM		MEDIUM Low - MEDIUM	ACCENT PLANT	NT, STREET TREE	25 - 40' HT. 10 - 15' HT.	25 - 40' W. 10 - 15' W.			
JACARANDA MIMOSIFOLIA	JACARANDA	36"			MEDIUM	SPECIMEN PLAN	IT, STREET TREE	25 - 65' HT.	25 - 40' W.			
REQUIRED CITY STREET TREE. NO SUBSTITUTIONS LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24"	MULTI-STEM		LOW - MEDIUM	IITII ITY FRIENDI	r TREE, PATIO TREE, STREET TREE	10 - 15' HT.	10 - 15′ W.			THOMAS H. PHELPS
LOPHOSTEMON CONFERTUS 'VARIEGATA'	VARIEGATED BRISBANE BOX	36"	riden oren		MEDIUM		·	25 - 40' HT.	15 - 25' W.			LANDSCAPE ARCHITECTUR
PARKINSONIA X 'DESERT MUSEUM' RHAPHIOLEPIS INDICA `MAJESTIC BEAUTY` TM	DESERT MUSEUM PALO VERDE MAJESTIC BEAUTY INDIAN HAWTHORNE STANDARD	24" 24"			YERY LOW - LOW MEDIUM	SPECIMEN PLAN	IT, SHADE TREE	15 - 25' HT. 15 - 25' HT.	15 - 25' W.			IDLA INC.
RHAI HIOLEI IS INDICA TTAVESTIC DEAUTT TTT	HAVESTIC DEAUTT INDIAN HAWTHORNE STANDARD	24			TIEDIUIT			19 29 A1.				California Landscape Architect #4122
<u>9HRUB9</u> BERBERIS THUNBERGII 'CRIMSON PYGMY'	COMMON NAME CRIMSON PYGMY JAPANESE BARBERRY	<u>91ZE</u> 5 GAL.	CONTAINER		<u>WATER USE</u> LOW - MEDIUM	PLANT LANDSC	APE USE BORDER PLANT	MATURE HEIGHT 18 - 36" HT.	MATURE WIDTH 1 - 3' W.			P.O.BOX 170129
CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	24" BOX	MULTI-STEM		LOW - MEDIUM		NT, UTILITY FRIENDLY TREE	6 - 10' HT.	6 - 10' W.			Boise, Idaho 83717-0129
DODONAEA VISCOSA 'PURPUREA'	PURPLE HOPSEED BUSH	15 GAL.			LOW - MEDIUM		NT, HEDGING PLANT, UTILITY FRIENDLY TREE	6 - 10' HT.	3 - 6' W.			(208) 906-1300
NANDINA DOMESTICA 'GULF STREAM' TM PRUNUS CAROLINIANA 'COMPACTA'	GULF STREAM HEAVENLY BAMBOO COMPACT CAROLINA LAUREL CHERRY	5 GAL. 15 GAL.			LOW - MEDIUM LOW - MEDIUM		BORDER PLANT, MASS PLANTING NT, HEDGING PLANT	3 - 6' HT. 6 - 10' HT.	1 - 3' W. 3 - 6' W.			thp@idlainc.net
RHAPHIOLEPIS INDICA 'BALLERINA'	BALLERINA INDIAN HAWTHORN	5 GAL.			LOW - MEDIUM		MASS PLANTING, SCREENING PLANT, HEDGING PLANT	3 - 6' HT.	3 - 6' W.			
PERENNIAL9	COMMON NAME	SIZE	CONTAINER		WATER USE	PLANT LANDSC	APF USF	MATURE HEIGHT	MATURE WIDTH			
CLIVIA MINIATA	BUSH LILLY	1 GAL.	SONIANTEN		LOW - MEDIUM	BORDER PLANT		6" - 36" HT.	1 - 3' W.			
DIETES VEGETA HEMEROCALLIS X 'STELLA DE ORO'	AFRICAN IRIS STELLA DE ORO DAYLILY	1 GAL. 1 GAL.			LOW - MEDIUM LOW - MEDIUM		, MASS PLANTING NT, BORDER PLANT, MASS PLANTING	18" - 6' HT. 6 - 18" HT.	1 - 3' W. 1 - 3' W.			
LIMONIUM LATIFOLIUM	SEA LAVENDER	1 GAL.			LOW - MEDIUM	CONTAINER FLA	INI, BURDER FLANI, MASS FLANING	18 - 36" HT.	1 - 3' W.			
STORM WATER MANAGEMENT PLANTINGS	COMMONINAME	6175	CONTAINED		IIIATED LIGE	PLANT LANDSC	ARE USE	MATURE HEIGHT	MATURE IIIDTU			
ACHILLEA MILLEFOLIUM	COMMON NAME COMMON YARROW	<u>SIZE</u> 1 GAL.	CONTAINER		WATER USE LOW	ACCENT PLANT	AFE USE	MATURE HEIGHT 6 - 18" HT.	MATURE WIDTH 1 - 3' W.			1
CAREX BARBERAE	SANTA BARBARA SEDGE	1 GAL			MEDIUM			18 - 36" HT.	1 - 3' W.			
POLYSTICHUM MUNITUM ZAUSCHNERIA CALIFORNICA	WESTERN SWORD FERN CALIFORNIA FUCHSIA	1 GAL. 5 GAL.			MEDIUM - HIGH VERY LOW - MEDIUM	BORDER PLANT BORDER PLANT		18 - 36" HT. 6" - 36" HT.	1 - 3' W. 1 - 3' W.			I
<u>SUCCULENTS</u> AGAVE PARRYI	COMMON NAME PARRY'S AGAYE	<u>SIZE</u> 1 GAL.	CONTAINER		WATER USE LOW	PLANT LANDSC	APE USE	MATURE HEIGHT 6 - 18" HT.	MATURE WIDTH 1 - 3' W.			1
ECHEVERIA X 'SUNBURST'	SUNBURST ECHEVERIA	1 GAL.			LOW	SPECIMEN PLAN	IT, CONTAINER PLANT, BORDER PLANT	6 - 18" HT. 6 - 18" HT.	1 - 3 W. 1 - 3' W.			
SEDUM X 'ROSY GLOW'	STONECROP	1 GAL.			LOW		•	6 - 18" HT.	1 - 3' W.			
VINES_	COMMON NAME	SIZE	CONTAINER		WATER USE	PLANT LANDSC	APE USE	MATURE HEIGHT	MATURE WIDTH			1
FICUS PUMILA	CREEPING FIG	5 GAL.	STAKED		MEDIUM			6 - 18" HT.	10 - 15′ W.			1
PARTHENOCISSUS TRICUSPIDATA VEITCHII	BOSTON IVY	5 GAL			LOW - MEDIUM			15 - 25' HT.	10 - 15′ W.			0)
GROUND COVERS	COMMON NAME	SIZE	CONTAINER	SPACING	WATER USE	PLANT LANDSC	APE USE	MATURE HEIGHT	MATURE WIDTH			1 5
FALL ZONE MATERIAL ARTIFICIAL TURF TYPE	FALL ZONE											
WITH UP TO 5 1/2" OF FALL ZONE MATERIAL PER DEFERRED SUBMITTAL OF PLAY EQUIPMENT												$\sum_{i=1}^{n} a_{i}$
LAMPRANTHUS SPECTABILIS	TRAILING ICE PLANT	1 GAL.		24" O.C.	VERY LOW - LOW			< 6" HT.	6 - 10' W.			1 £ !!!
LANTANA MONTEVIDENSIS LANTANA MONTEVIDENSIS 'PURPLE'	TRAILING LANTANA TRAILING LANTANA	1 GAL. 1 GAL.		36" O.C. 36" O.C.	LOW - MEDIUM LOW		ANNUAL COLOR, CONTAINER PLANT ANNUAL COLOR, CONTAINER PLANT	6 - 18" HT. 6 - 18" HT.	1 - 3' W. 3 - 6' W.			1 5/ Ш
MIXED SUCCULENTS	SUCCULENTS	6"		24" O.C.	LOW	ACCENT LANT,	ANIAL SOLON, SONTAINEN I EAN	<i>D</i> 10 m.	5 0 w.			
TURF ARTIFICIAL SYNLAWN 'CLASSIC PITCH' VEGETABLE GARDEN	DROUGHT TOLERANT FESCUE BLEND	 4"		12" O.C.	HIGH			6 - 18" HT.	1 - 3' W.			$ \mathbf{a} \mathbf{z} \cap \mathbf{z}$
		7		12 0.0.				<i>в</i> 10 нг.				
TURF GA99 TURF ARTIFICIAL SYNLAWN `CLASSIC PITCH`	COMMON NAME DROUGHT TOLERANT FESCUE BLEND	SIZE	CONTAINER	SPACING	WATER USE	PLANT LANDSC	APE USE	MATURE HEIGHT	MATURE WIDTH			1 7 € 0 5
CONCEPT PLANT SCHEDULE	Drought Tolerant Fescue Blend					CONCE	PT PLANT SCHEDULE					* * / \/
CONCERT FEART CONEDUCE					2021-07-21 15:06	001101	T T EART SOMESULE				2021	<u> </u>
9TREET TREE			11									
REQUIRED CITY STREET TREE. NO S						(PERENNIALS - SUN			88		1 5 - 23
JACARANDA MIMOSIFOLIA / JACARA	ANDA		36"	, STANDARD		کرتہ	ACHILLEA MILLEFOLIUM / COMMON YARROW LIMONIUM LATIFOLIUM / SEA LAVENDER				1 GAL. 1 GAL.	
							ZAUSCHNERIA CALIFORNICA / CALIFORNIA FUCHSIA				5 GAL	
ACCENT TREE CERCIS OCCIDENTALIS / WESTERN R	DEDBUD MILL TUTBUNK		6 24"			~~~						2
	'TUSCARORA' / TUSCARORA CRAPE MYRTLE			, MULTI-STEM		5 - 3	SHRUBS - TROPICAL ACCENT SHRUBS USED FOR THE FOLIAGE AND A TR	ROPICAL EFFECT		6		I ∢ o z iii
PARKINSONIA X 'DESERT MUSEUM' /			24"			40	CHAMAEROPS HUMILIS / MEDITERRANEAN FAN PAL	М			24" BOX, MULTI-STEM	
,crrr							PHOENIX ROEBELENII / PIGMY DATE PALM MULTI-TE	RUNK			24", MULTI-STEM	I 1 ₩ — H
EVERGREEN TREE			19									$\Rightarrow \bar{o} \circ \hat{c}$
EUCALYPTUS CITRIODORA / LEMON			36"			sudura	VINES			45	E CAL CHAICED	7. 3 01 7
GEIJERA PARVIFLORA / AUSTRALIA	N WILLOW		24"				FICUS PUMILA / CREEPING FIG PARTHENOCISSUS TRICUSPIDATA 'VEITCHII' / BOSTO	DN IVY			5 GAL, STAKED 5 GAL	
ACCENT TREE - 9MALL 9MALL EVERGREEN ACCENT TREE,	PRIMARILY ON THE LIPPER LEVEL		4				STORM WATER MANAGEMENT CAREX BARBARAE / SANTA BARBARA SEDGE			2,252 SF 586	1 GAL. @ 24" OC	1
HIBISCUS SYRIACUS / ROSE OF SHAIL			24"	, MULTI-STEM			JUNCUS PATENS 'CARMAN'S GREY' / SPREADING R	USH		900	1 GAL. @ 24" OC 1 GAL. @ 24" OC	
	EAUTY`TM / MAJESTIC BEAUTY INDIAN HAWTHORNE STA	ANDARD	24"				STIPA PULCHRA / PURPLE NEEDLE GRASS				1 GAL. @ 24" OC	These drawings are instruments of cordice and are the properly of Thomas H. Landscape Architecture. All designs and other Information on the dr are for the use on the specified project and shall not be used of without the argress written pursicular of Thomas H. Pholps Landscape Archit
\sim												
							SUCCULENTS			769 SF		Sheet Title
EVERGREEN SHRUBS - LARGE LARGE EVERGREEN SHRUBS FOR S	6CREENING		19				COLORFUL, LOW GROWING, DROUGHT TOLERANT PL	ANTINGS		200	1.6.41	PLANT SCHEDULE
DODONAEA VISCOSA PURPUREA /			15 (GAL			AGAYE PARRYI / PARRY'S AGAYE ECHEYERIA X 'GOLDEN GLOW' / GOLDEN GLOW ECH	IEVERIA		200	1 GAL. @ 24" <i>OC</i> 1 GAL. @ 24" <i>OC</i>	Sed
PRUNUS CAROLINIANA 'COMPACTA'	/ COMPACT CAROLINA LAUREL CHERRY		15 (GAL.			SEDUM X 'ROSY GLOW' / ROSY GLOW STONECROP				1 GAL. @ 24" OC	LANDSCAPE ARC
						<i>0</i>	GROUND COVERS			767 SF		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEDIUM SHRUBS			93				LAMPRANTHUS SPECTABILIS 'PINK' / PINK TRAILING	ICE PLANT		89	1 GAL. @ 36" OC	0HL 122
BERBERIS THUNBERGII 'CRIMSON P'	YGMY' / CRIMSON PYGMY JAPANESE BARBERRY 1' TM / GULF STREAM HEAVENLY BAMBOO		5 0	∌AL. ∌AL.		V/////	LANTANA MONTEVIDENSIS / TRAILING LANTANA				1 GAL. @ 36" OC	Signature
RHAPHIOLEPIS INDICA 'BALLERINA'				AL.			ARTIFICIAL TURF			4,379 SF		O P CON P P
			_			* * * *	WITH BACKING			-,J 1J OI		OF CALIFOR
			260			* * *	TURF ARTIFICIAL SYNLAWN 'CLASSIC PITCH' / DROUG	SHT TOLERANT FESC	JE BLEND			No. Date Revision
PERENNIAI 9 - 911 ADE			1 G	AL		[00000000]	FALL ZONE MATERIAL			628 SF		A
PERENNIALS - SHADE CLIVIA MINIATA / BUSH LILY				AL.								
CLIVIA MINIATA / BUSH LILY DIETES IRIDIOIDES / FORTNIGHT LILY						1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	UPLAND LANDSCAPE BUFFER			3,885 SF		
CLIMA MINIATA / BUSH LILY DIETES IRIDIOIDES / FORTNIGHT LILY HEMEROCALLIS X 'STELLA DE ORO'	/ STELLA DE ORO DAYLILY		1 G					6 #2 COVOTE DO			164 824 00	I ☆
CLIVIA MINIATA / BUSH LILY DIETES IRIDIOIDES / FORTNIGHT LILY	/ STELLA DE ORO DAYLILY						BACCHARIS PILULARIS 'TWIN PEAKS#2' / TWIN PEAK			449	1 GAL. @ 36" OC 1 GAL. @ 36" OC	Δ
CLIVIA MINIATA / BUSH LILY DIETES IRIDIOIDES / FORTNIGHT LILY HEMEROCALLIS X 'STELLA DE ORO' POLYSTICHUM MUNITUM / WESTERN S	/ STELLA DE ORO DAYLILY		1 G 1 G								1 GAL. @ 36" OC 1 GAL. @ 36" OC 1 GAL. @ 36" OC	Project Mgr.: THP Sheet No.:
CLIVIA MINIATA / BUSH LILY DIETES IRIDIODES / FORTNIGHT LILY HEMEROCALLIS X 'STELLA DE ORO' POLYSTICHUM MUNITUM / WESTERN S ORNAMENTAL GRASSES	'/ STELLA DE ORO DAYLILY BUORD FERN		1 G 1 G	AL			BACCHARIS PILULARIS 'TWIN PEAKS#2' / TWIN PEAK ERIOGONUM FASCICULATUM 'BRUCE DICKINSON' / PI				1 GAL. @ 36" OC	Project Mgr.:THP
CLIVIA MINIATA / BUSH LILY DIETES IRIDIODES / FORTNIGHT LILY HEMEROCALLIS X 'STELLA DE ORO' POLYSTICHUM MUNITUM / WESTERN S ORNAMENTAL GRASSES FESTUCA IDAHOENSIS / IDAHO FESC	'/ STELLA DE ORO DAYLILY BUORD FERN		G G 29 <i>0</i> G	AL			BACCHARIS PILULARIS 'TWIN PEAKS#2' / TWIN PEAK ERIOGONUM FASCICULATUM 'BRUCE DICKINSON' / PI				1 GAL. @ 36" OC	Project Mgr.:THP Sheet No.:
CLIVIA MINIATA / BUSH LILY DIETES IRIDIODES / FORTNIGHT LILY HEMEROCALLIS X 'STELLA DE ORO' POLYSTICHUM MUNITUM / WESTERN S ORNAMENTAL GRASSES FESTUCA IDAHOENSIS / IDAHO FESC	'/ STELLA DE ORO DAYLILY NUORD FERN NUE CLOUD' / PINK CLOUD PINK MUHLY GRASS		1 G 290 1 G 5 G	AL AL			BACCHARIS PILULARIS 'TWIN PEAKS#2' / TWIN PEAK ERIOGONUM FASCICULATUM 'BRUCE DICKINSON' / PI				1 GAL. @ 36" OC	Project Mgr.:THP Sheet No.: Drawn By: THP ##

FRONT ENTRANCE PLAN NOTES:

- A. PLAZA EXTENDS TO THE PARKWAY STRIP TO BRING THE SPACE TOWARDS THE STREET
- B. POURED IN PLACE CONCRETE BENCH
- C. STREET TREE
- D. STEPS UP TO THE FINISH FLOOR LEVEL
- E. ADA ACCESSIBLE RAMP UP TO THE FFE
- F. SEAT WALL LOCATION EXTENSION OF STEP @ +18" HIGH
- G. ACCENT PAVING AT DRIVE AISLE
- H. COLORED CONCRETE PERIMETER

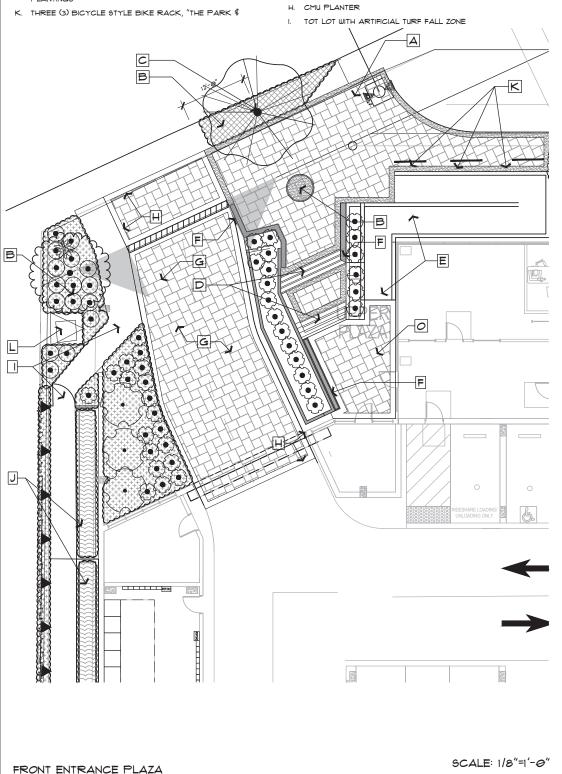
LANDSCAPE PLAN

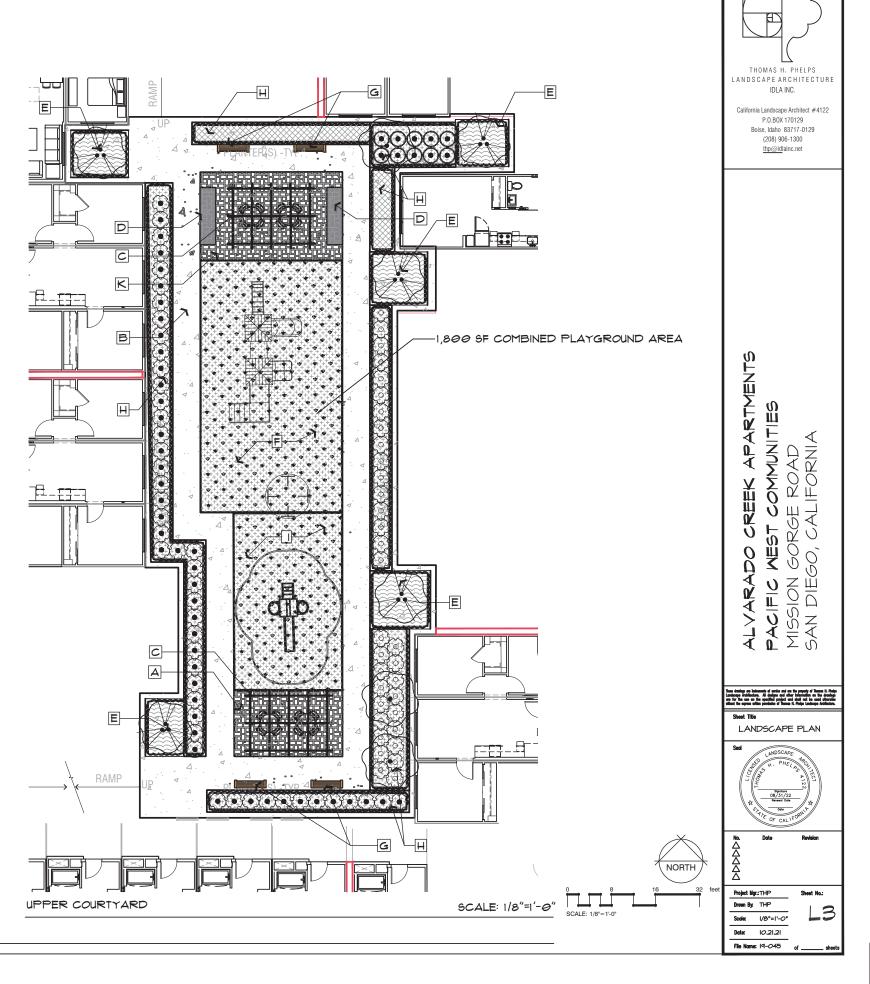
- I. CONCRETE WALK WAY, BASE COLOR
- J. STORM WATER TREATMENT PLANTER WITH NATIVE

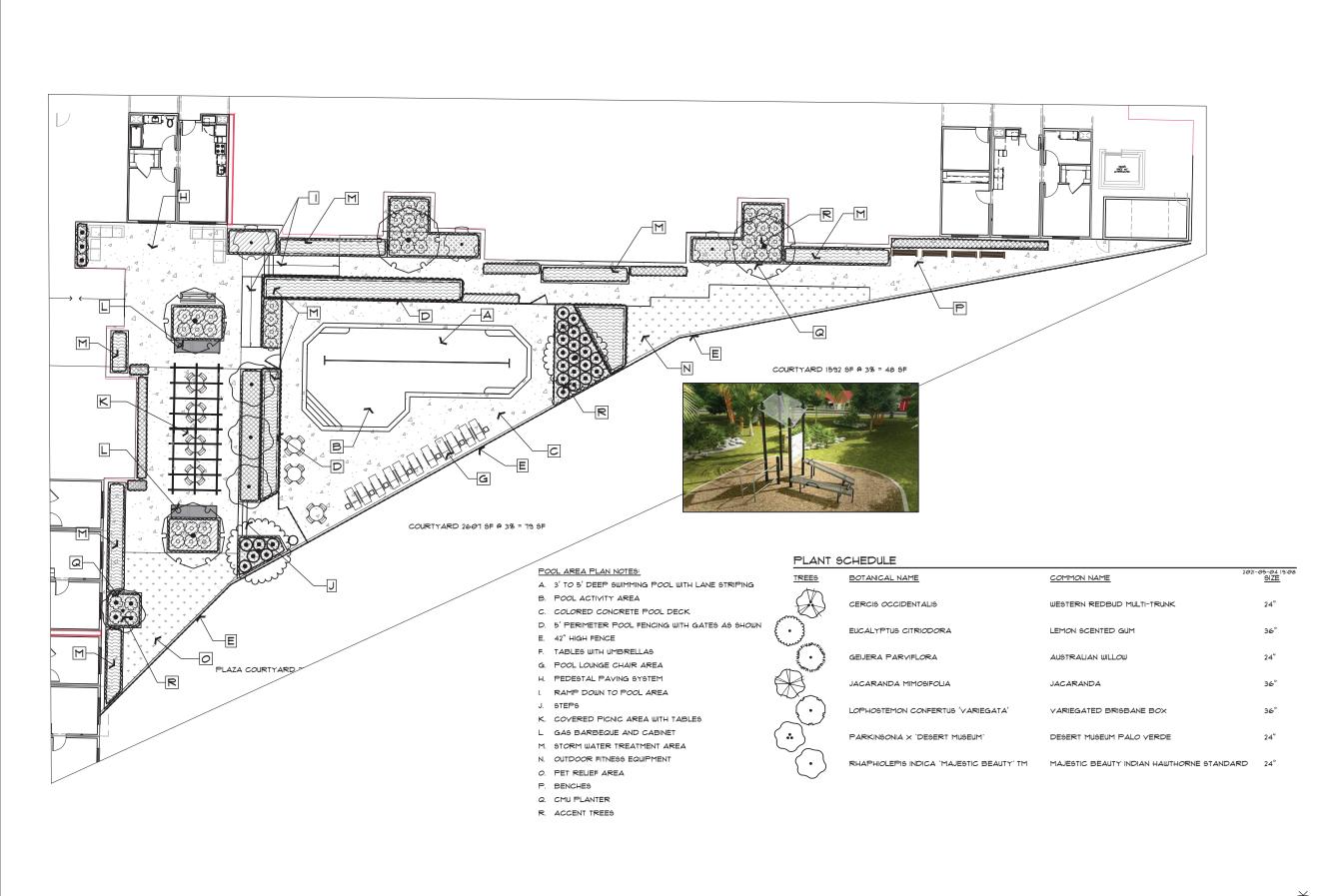
- FACILITIES #509-2064 BIKE BIKE RACK
- L SCREEN THE ELECTRICAL TRANSFORMER WITH EVERGREEN

PODIUM LEVEL PLAN NOTES:

- A. ACCENT PAYING
- B. COLORED CONCRETE PERIMETER
- C. COVERED PICNIC AREA WITH TABLES
- D. GAS BARBEQUE AND CABINET
- E. STORM WATER TREATMENT PLANTER WITH NATIVE
- F. PLAYGROUND WITH ARTIFICIAL TURF FALL ZONE AREA
- G. BENCH LOCATION , TYP.







THOMAS H. PHELPS LANDSCAPE ARCHITECTURE IDLA INC. P.O.BOX 170129 Boise, Idaho 83717-0129 (208) 906-1300 thp@idlainc.net

> APARTMENTS WEST COMMUNITIES
>
> 1 GORGE ROAD
>
> 1GO, CALIFORNIA ORITIN ALVARADO PACIFIC MES MISSION GOR SAN DIEGO, O

Base dealings on betweents of surios and are the property of Thomas II. Philip Landscape Architecture. All designs and other betweenton on the dealings are for the use on the specified project and shall not be used otherwise ablent the agrees often permission of Thomas II. Philip Landscape Architecture.

LANDSCAPE PLAN

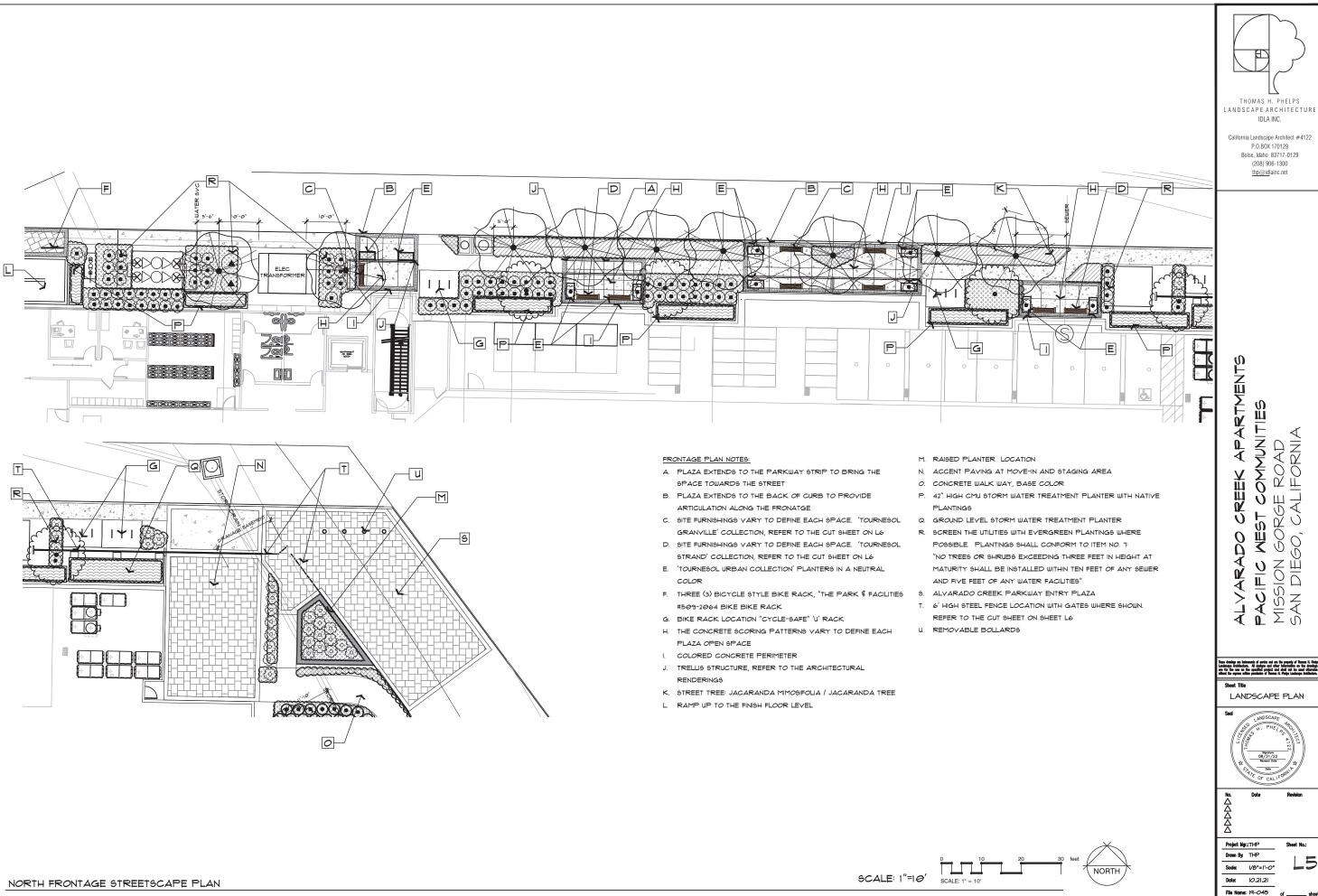
SCALE: 1"=10'

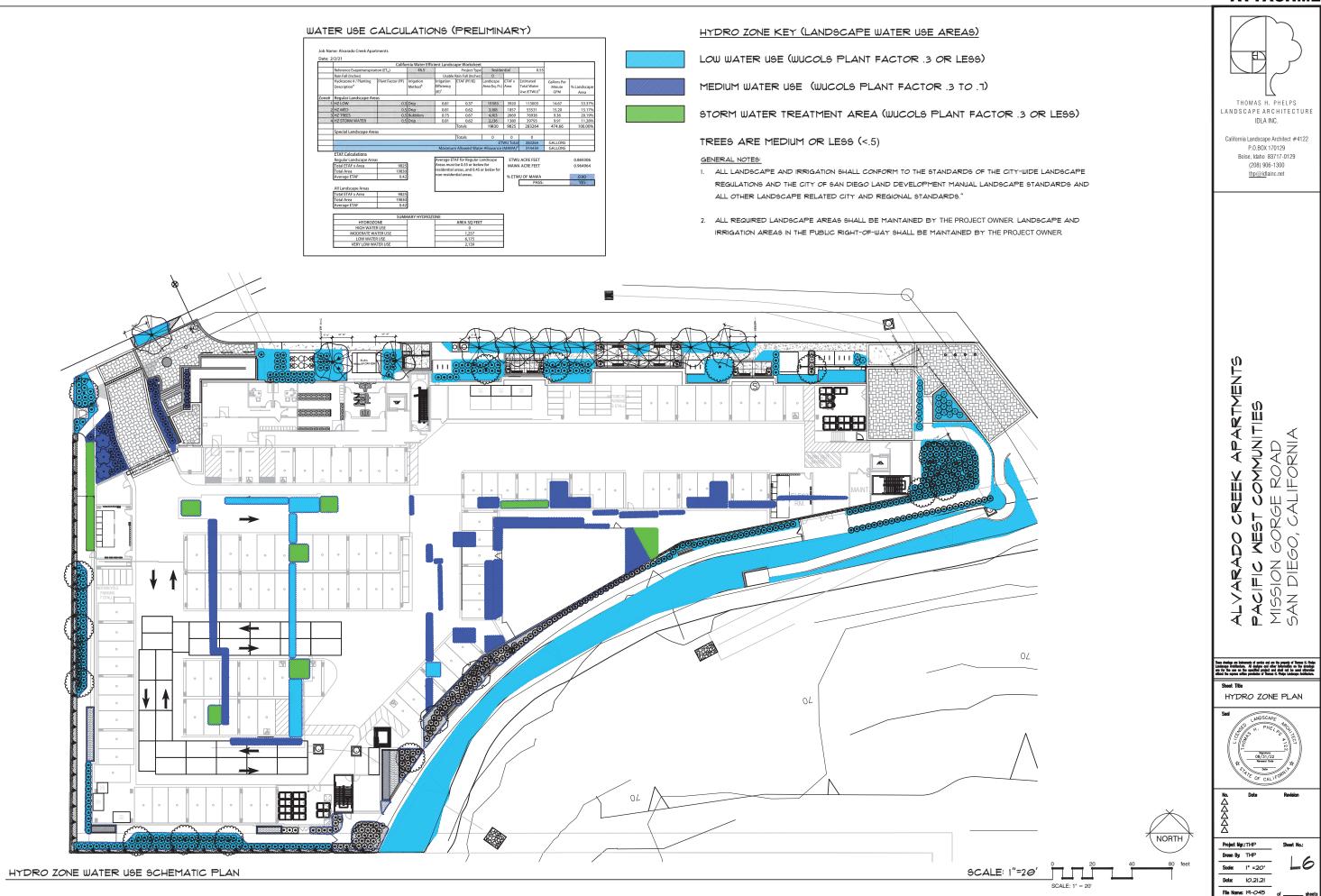
SCALE: 1" = 10'

Project Mgr.: THP Drawn By: THP Scale: | | = | O'

Date: 10.21.21 File Name: 19-045 of _

LANDSCAPE PLAN - PODIUM LEVEL





THOMAS H. PHELPS

LANDSCAPE ARCHITECTURE

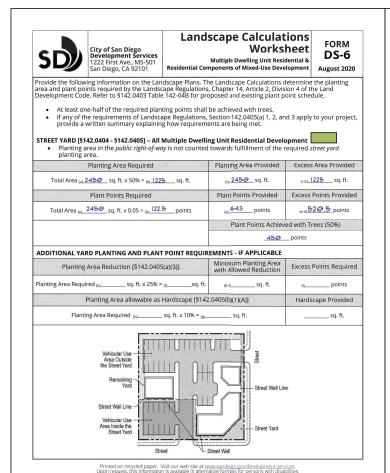
California Landscape Architect #4122

P.O.BOX 170129

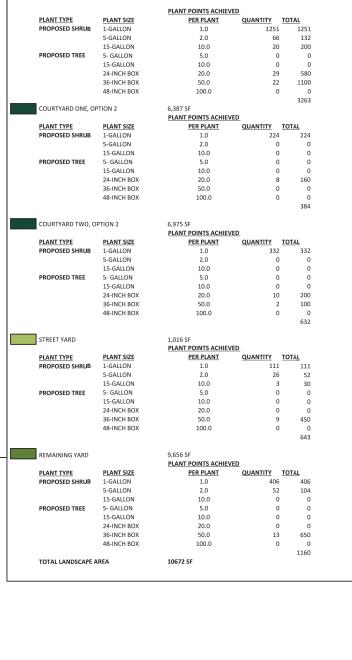
Boise, Idaho 83717-0129

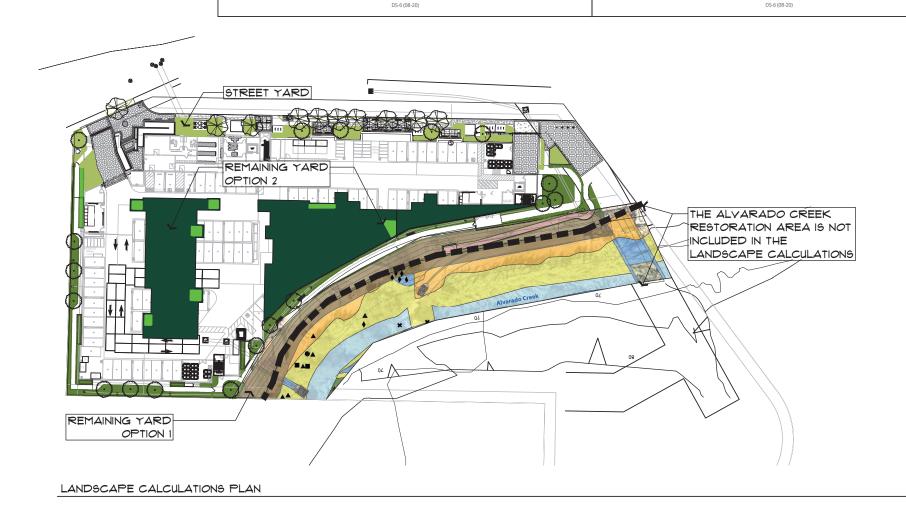
(208) 906-1300

thp@idlainc.net



	04 - §142.0405] – 4 Dwelling I r residential <i>structure</i> . Plantir he <i>remaining yard</i> .	Units or Less ng shall be distributed withir	n a 10-foot offset from the
Plant Poin	ts Required	Plant Points Provided	Excess Points Provided
60 points x#	of residential structures	sq. ft.	sq. ft.
		Plant Points Achiev	red with Trees (50%)
			_ points
Option 1: A minimum of 30 percent of structure shall be planting ar the offset.	the total area within a 10-foc ea and shall be planted at a	ot offset from the <i>structural e</i> rate of 0.05 points per squar	e foot of total area within
Planting Ar	ea Required	Planting Area Provided	Excess Area Provided
Total Area 9,656 sq. f	t. x 30% = <u>2,891</u> sq. ft.	1 <u>3,6</u> 32 sq. ft.	<u>6,759</u> sq. ft.
Plant Poin	ts Required	Plant Points Provided	Excess Points Provided
Total Area 9,656 sq. 1	t. x 0.05 = <u>483</u> sq. ft.	1,160 points	<u>611</u> points
		Plant Points Achiev	ed with Trees (50%)
		650	_ points
	NE \$ COURTYARD TWO	n of plazas, paseos, or courty	ard (including decks),
Where common open space 20 percent of the total comr points per square foot of th individually.	non open space area shall b e total area. The required 20	O percent of each open space	e area is to be calculated
Where common open space 20 percent of the total comr points per square foot of th individually.	non open space area shall b	e planting area and shall be 0 percent of each open space Planting Area Provided	planted at a rate of 0.05 e area is to be calculated Excess Area Provided
Where common open space 20 percent of the total commonits points per square foot of the individually. Planting Ar	non open space area shall b e total area. The required 20	O percent of each open space	e area is to be calculated
Where common open space 20 percent of the total compoints per square foot of thindividually. Planting Ar Total Area 13,632 sq.f	non open space area shall be total area. The required 20	Planting Area Provided	e area is to be calculated Excess Area Provided
Where common open space 20 percent of the total com points per square foot of th individually. Planting Ar Total Area 13,632 sq. f	non open space area shall be total area. The required 20 ea Required t. x 20% =	Planting Area Provided 13,632 sq. ft.	Excess Area Provided 10,960 sq. ft.
Where common open space 20 percent of the total com points per square foot of th individually. Planting Ar Total Area 13,632 sq. f	non open space area shall be total area. The required 20 ea Required t. x 20% =2612 sq. ft. ts Required	Planting Area Provided 13,632 sq. ft. Plant Points Provided 1,916 points	Excess Area Provided Lease sq. ft. Excess Points Provided







Drawn By: THP

Scale: I"=20'

Date: 09.24.2021

File Name: 19-045 of

APARTMENTS

ORITIN

MEST COMMUNITIES

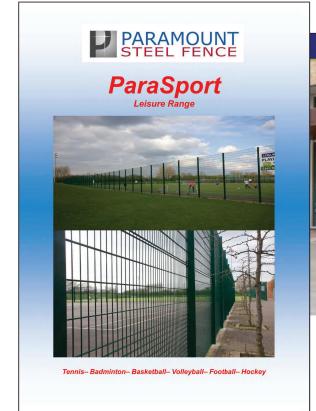
1 GORGE ROAD

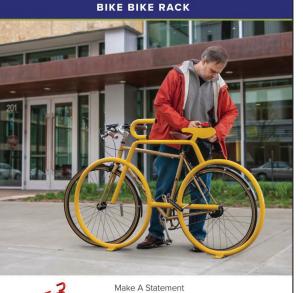
1 GO, CALIFORNIA

ALVARADO PACIFIC MES MISSION GOR SAN DIEGO, C

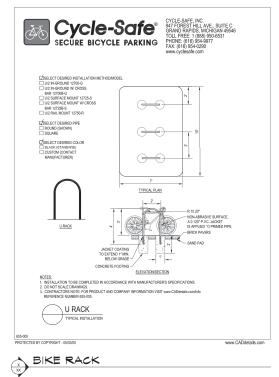
THOMAS H. PHELPS LANDSCAPE ARCHITECTURE IDLA INC. California Landscape Architect #4122 P.O.BOX 170129 Boise, Idaho 83717-0129 (208) 906-1300

thp@idlainc.net





www.theparkcatalog.com Ph: 1-866-280-9894





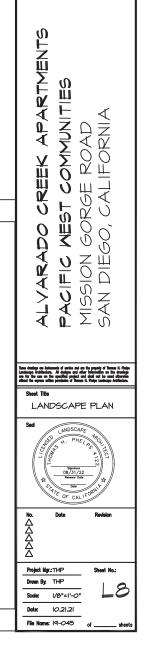






5

Tournesol





KEY MAP

PROJECT TEAM

OWNER/DEVELOPER/AGENT PACIFIC WEST COMMUNITIES 430 E. STATE STREET, STE. 100 EAGLE, ID. 83616 PHONE: (208) 461-0022

PLANNING/CIVIL ENGINEER/LANDSCAPE ARCHITECT

RICK ENGINEERING COMPANY 5620 FRIARS ROAD SAN DIEGO, CALIFORNIA. 92110

PHONE: (619) 291-0707

ENVIRONMENTAL CONSULTANT

ASCENT ENVIRONMENTAL, INC. 1230 COLUMBIA STREET, STE. 440 SAN DIEGO, CA 92101

PHONE: (619) 219-8000

GEOTECHNICAL ENGINEER KRAZAN & ASSOCIATES, INC. 1100 OLYMPIC DRIVE, STE. 103 CORONA, CA 92881

PHONE: (951) 273-1011

SHEET INDEX

GILETINGES.

I. LAND USE PLAN/TITLE SHEET

2. DETAILS AND SECTIONS

3. TOPOGRAPHIC AND MAPPING CONSTRAINTS MAP

4. SLOPE ANALYSIS EXHIBIT

. SITE PLAN/FASEMENT VACATIONS

5. SITE PLANZEASEMENT VACA 5. GRADING & DRAINAGE PLAN 7. SITE CROSS SECTIONS 3. ACCESSIBILITY PLAN

9. FIRE ACCESS PLAN
10. SITE PHOTO EXHIBIT
11. STORM TRAP DETAILS

12. TRAFFIC STRIPING EXHIBIT

14. COVENANT OF EASEMENT BOUNDARY

ABBREVIATIONS
HT HEIGHT
FF KINSH FLOOR
FS FINISH SURFACE
FLOW LINE OFFER OF DEDICATION
LIE. HINGERT ELEVATION
PE PAD ELEVATION
PI POINT OF INTERSECTION
PVT PRIVATE
TO TOP OF GRADE
TP TOP OF PIPE

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE
CALIFORNIA CORDINATE SYSTEM ZONE 6, EPOCH 1991.35
AND IS DETERMINED BY RTK G.P.S. MEASUREMENTS TAKEN
ON JUD 14, 2016 AT POINT "217 AND POINT "876, PER
RECORD OF SURVEY MAP NO. 14492.

BEARING AND DISTANCE #217 TO #876: S36°12'04"W 2178.58' GRID OUOTED BEARINGS FROM REFERENCE MAPS/DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM.

BASIS OF ELEVATIONS
THE BENCHMARK FOR THIS SURVEY IS THE BRASS PLUG ON THO OF COMMETTE CUMP A MITTON CONTROL COMMET OF THE SURVEY OF SAN DIEGO VERTICAL CONTROL BOOK DATED AUGUST 198 ELEVATION = 78.03, NOVD 29 MSL

ASSESSORS PARCEL NUMBER

TYPE OF CONSTRUCTION
S-2 PARKING STRUCTURE
A, CLUBHOUSE FITNESS
B, LEASING OFFICE
R-2 RESIDENTIAL

OCCUPANCY CLASSIFICATION RESIDENTIAL OCCUPANCY

PROJECT SITE AREA GROSS LOT AREA: 2.03 AC. NET LOT AREA: 2.01 AC. (EXCLUDES MISSION GORGE ROAD DEDICATION)

COMMUNITY PLAN AREA NAVAJO - GRANTVILLE

SETBACK REQUIREMENTS FRONT: 10'

SIDE: 10' STREET SIDE: 10' REAR: 10'

PROPOSED USE
A 227 UNIT MULTI-FAMILY APARTMENT PROJECT CONSISTING OF
5-STORY TYPE III-A RESIDENTIAL BUILDING OVER 1-LEVEL
TYPE I-A ABOVE GROUND PODIUM STRUCTURE.

EXISTING USE:
ALL EXISTING COMMERCIAL STRUCTURES LOCATED ON SITE HAVE
BEEN BUILT BETWEEN THE LATE 1950S TO EARLY 1970S AND ARE TO
BE DEMOLISHED IN ADVANCE OF PROPOSED DEVELOPMENT.

DEVELOPMENT SUMMARY/GENERAL NOTES

BULLET POINT NARRATIVE

A THE PROJECT SITE IS CURRENTLY LOCATED IN THE PLANNING AREA OF THE NAVAJO-GRANTVILLE COMMUNITY PLAN. THE PROPOSED PROJECT INCLUDES THE CONSTRUCTION OF A 5-STORY, 227 UNIT RESIDENTALL APARTMENT BUILDING WITH THE FOLLOWING TABULATED INFORMATION FOR DEVELOPMENT:

UNITS	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	%	TOTAL
STUDIOS								
S1	0	10	11	11	11	11	24%	54
TOTAL	0	10	11	11	11	11	24%	54
1 BEDROOM	1 BEDROOMS							
A1	0	8	8	8	8	8	18%	40
A2	0	2	3	3	3	3	6%	14
TOTAL	0	10	11	11	11	11	24%	54
2 BEDROOM	IS				•			
B1	0	11	12	12	12	12	26%	59
TOTAL	0	11	12	12	12	12	26%	59
3 BEDROOMS								
C1	0	4	4	4	4	4	9%	20
C2	0	8	8	8	8	8	18%	40
TOTAL	0	12	12	12	12	12	26%	60
GRAND TOTALS:	O DU	43 DU	46 DU	46 DU	46 DU	46 DU	100%	227 DU

- B. THE PROJECT PROPOSES A DENSITY OF APPROXIMATELY BO DWELLINGS PER NET ACRE. THE SITE WILL INCLUDE A 5 STORY TYPE III-A 227 UNIT RESIDENTIAL APARTMENT BUILDING OVER ONE LEVEL TYPE I-A ABOVE GROUIN PODIUM STRUCTURE.
- C. THIS PROJECT WILL REQUIRE THE FOLLOWING PERMITS/APPROVALS: NEIGHBOHORDO DEVELOPMENT PERMIT; GRADING PERMIT, PUBLIC IMPROVEMENT PERMIT, PARCEL MAP, AND BUILDING OFFARTMENT PERMIT.
- D. ALL PROPOSED UTILITIES WILL BE UNDERGROUNDED IN THE AREAS FOR PROPOSED GRADING, IMPROVEMENTS AND DEVELOPMENT PER SAN DIEGO MUNICIPAL CODE.
- E. THE GEOLOGIC HAZARD CATEGORIES FOUND ON THIS SITE ARE FLAT AND LEVEL TERRAIN, AND IS LOCATED IN AN AREA DESIGNATED AS A LIDUEFACTION HAZARD ZONE BY THE SAN DIEGO SEISMIC HAZARD MAP, SEE GEOTECHNICAL REPORT TITLED "GEOTECHNICAL ENGRERING INVESTIGATION, "PROPOSED GRANTVILLE DEVELOPMENT" DATED NOVEMBER 27, 2019.
- F. PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT, THE OWNER/PERMITTEE SHALL INCORPORATE ANY CONSTRUCTION BEST MANAGEMENT PRACTICES NECESSARY TO COMPLY WITH CHAPTER 14, ARTICLE 2, DIVISION 1 (GRADING REGULATIONS) OF THE SAN DIEGO MUNICIPAL CODE, INTO THE CONSTRUCTION PLANS OR SPECIFICATIONS.
- G. SPECIAL FLOOD HAZARD AREA ZONE AE DESIGNATION
- H. THE PROJECT IS REQUESTING A DEVIATION FROM STANDARDS AS THE PROJECT IS NOT PROVIDING 45 LF OF FULL HEIGHT CURB BETWEEN DRIVEWAYS SERVING THE SAME PROPERTY AS REQUIRED PER SDMC SECTION 142.0560()K6).

GRADING TABULATIONS:
TOTAL AMOUNT OF SITE TO BE GRADED: 2.315 AC

% OF TOTAL SITE: 60% AMOUNT OF CUT: 3,000 CY MAXIMUM OF CUT: 16.9' AMOUNT OF FILL: 15,700 CY MAXIMUM DEPTH OF FILL: 10.3' MAXIMUM HT. OF FILL SLOPE: 8.0' SLOPE RATIO: 2:1 MAXIMUM HT. OF CUT SLOPES: 16.9'

SLOPE RATION: 2:1 AMOUNT OF IMPORT SOIL: 12,700 CY RETAINING WALLS: *LENGTH: 608' *MAXIMUM HEIGHT: 7.5'

IMPERVIOUS TABLE
A. TOTAL DISURBANCE AREA: 2.03 AC.

B. EXISTING AMOUNT OF IMPERVIOUS AREA: 101,800 SF

C. PROPOSED AMOUNT OF IMPERVIOUS AREA: 88,800 SF

D. AMOUNT OF REPLACED IMPREVIOUS AREA: 88,800 SE

E. TOTAL IMPERVIOUS AREA: 88.800 SF

F. IMPERVIOUS % DECREASE: 13%

NOTE IMPREVIOUS AREA SHALL INCLUDE: ROOF, SIDEWALK, PARKING AREA, WALKWAYS, POOLS, POOL, DECKS, ETC.

LEGEND ITEM

ITEM	SYMBOL
PROPOSED IMPROVEMENTS *	
PROJECT BOUNDARY	
PROPERTY LINE	
LOT LINE/ROW	
CENTERLINE	
PROPOSED EASEMENT	======
CONCRETE CURB & GUTTER (PVT)	
SIDEWALK	WHICH SECTION IN BUSINESSES
ASHPALT PAVING	
CONCRETE	
PAD ELEVATION	PE=487.2
FINISH FLOOR ELEVATION	FF=492.5
DIRECTION OF FLOW	1.0%
DAYLIGHT LINE/GRADING LIMIT	
PROPOSED MAJOR CONTOUR	420
PROPOSED MINOR CONTOUR	
2:1 SLOPE (MAX)	$\overline{}$
BROW DITCH	$\Rightarrow \Rightarrow$
SWALE	→ →
ADA PATH OF TRAVEL	•••••
RETAINING WALL	
STORM DRAIN18" UNLESS OTHERWISE NOTED	——— SD ———
CATCH BASIN	
TYPE A-4 CLEAN OUT	
CURB INLET	
STORM DRAIN HEADWALL	
RIPRAP	
SEWER MANHOLE	0
SEWER 8" UNLESS OTHERWISE NOTED	—— s ——
WATER 8" UNLESS OTHERWISE NOTED	w
WATER METER W/BACKFLOW (PUBLIC)	
FIRE SERVICE 8" UNLESS OTHERWISE NOTED	FS
FIRE SERVICE W/BACKFLOW	
FIRE HYDRANT	№ 4
STREET LIGHT	∘——¤

EXISTING CONDITIONS EXISTING MAJOR CONTOUR --EXISTING ROAD --EXISTING BUILDING OR MANMADE STRUCTURE -

43 N

INDIE:
THE PROPOSED PROJECT WILL COMPLY WITH ALL THE REQUIREMENTS
OF THE CURRENT CITY OF SAN DIECO STORM WATER STANDARDS
MANUAL BEFORE A GRADING OR BUILDIND PERMIT IS ISSUED.
IT IS THE RESPONSIBILTY OF THE OWNER/DESIGNER/APPLICANT
TO ENSURE THAT THE CURRENT STORM WATER PERMANENT BMP
DESIGN STANDARDS ARE INCORPORATED INTO THE PROJECT.



I,O.: xxxxxxxx

REVISION 1: 2/01/2021

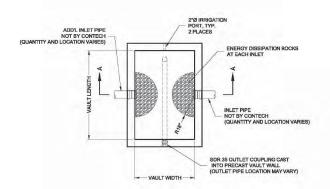
REVISION 2: 4/29/2021

ENGINEER OF WORK

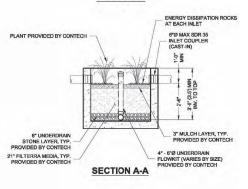
NAD83: 1862-6297 PREPARED BY: RICK ENGINEERING COMPANY ADDRESS: 5620 FRIARS ROAD SAN DIEGO, CA. 92110 (619) 291-0707 DATE

REVISION 3: 8/05/2021 REVISION 4: 9/27/2021 REVISION 5: ___11/09/2021_ REVISION 6: 6/01/2022 PROJECT NAME:
ALVARADO CREEK APTS
NDP/SDP
SHEET ITILE:
TITLE SHEET REVISION 7: ____ ORIGINAL DATE: 08/24/2020

SHEET 1 OF 14 JOB NUMBER: 19048



PLAN VIEW



	FTBSV-P	CONFIG	URATIO	ON	
DESIGNATION	AVAILABILITY	MEDIA BAY SIZE	VAULT SIZE (L x W)	OUTLET	MIN NO. OF INLET PIPES
FTBSV0404-P	ALL	4 x 4	4 x 4	4" SDR 35	1
FTBSV0604-P	N/A CA	6 x 4	6 x 4	4" SDR 35	. 1
FTBSV0606-P	ALL	6 x 6	6 x 6	4" SDR 35	1
FTBSV06504-P	CA ONLY	6.5 x 4	6.5 x 4	4" SDR 35	1
FTBSV078045-P	MID-ATL ONLY	7.83 x 4.5	7.83 x 4.5	4" SDR 35	1
FTBSV0804-P	N/A MID-ATL	8×4	8 x 4	4" SDR 35	. 1
FTBSV0806-P	ALL	8 x 6	8 x 6	4" SDR 35	1
FTBSV1006-P	ALL	10 x 6	10 x 6	6" SDR 35	2
FTBSV1206-P	ALL	12 x 6	12 x 6	6" SDR 35	2
FTBSV1307-P	ALL	13 x 7	13 x 7	6" SDR 35	2
FTBSV1408-P	CALL CONTECH	14 x 8	14 x 8	6" SDR 35	3
FTBSV1608-P	CALL CONTECH	16 x 8	16 x 8	6" SDR 35	3
FTBSV1808-P	CALL CONTECH	18 x 8	18 x 8	6" SDR 35	3
FTBSV2008-P	CALL CONTECH	20 x 8	20 x 8	6" SDR 35	4
FTBSV2208-P	CALL CONTECH	22 x 8	22 x 8	6" SDR 35	4

VEGETATION -PLANT - BMP-5A THRU BMP-10C BMP-12A THRU BMP-13 BMP-15 BMP-17

CONTECH

FILTERRA BIOSCAPE VAULT OFFLINE WITH PIPE INLET (FTBSV-P) CONFIGURATION DETAIL

	SITE SPEC	IFIC DATA			
PROJECT NUMBE	R				
PROJECT NAME					
PROJECT LOCATI	ON				
STRUCTURE ID					
	TREATMEN	T REQUIRED			
VOLUME B	ASED (CF)	FLOW BASI	FLOW BASED (CFS)		
N,	/A	0.052			
PEAK BYPASS R	EQUIRED (CFS) -	- IF APPLICABLE	OFFLINE		
PIPE DATA	I.E.	MATERIAL	DIAMETER		
INLET PIPE 1					
INLET PIPE 2	N/A	N/A	N/A		
OUTLET PIPE					
	PRETREATMENT	BIOFILTRATION	DISCHARGE		
RIM ELEVATION					
SURFACE LOAD	PEDESTRIAN				
FRAME & COVER	24" X 42"	OPEN PLANTER	N/A		

* PRELIMINARY NOT FOR CONSTRUCTION

INSTALLATION NOTES

INTERNAL PIPE CONFIGURATION MAY VARY DEPENDING UPON OUTLET LOCATION.

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTIALS REQUERED TO OFFLOD AND INSTITUTE SYSTEM AND APPORTENANCES IN ACCORDANCE WITH THIS BORWING AND THE AMADIFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.

 UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFED BY THE PROJECT ENONER. CONTRACTOR IS RESPONSIBLE TO VEHIFY PROJECT ENONER. CONTRACTOR IS RESPONSIBLE TO VEHIFY PROJECT ENONER. CONTRACTOR SPECIFICATIONS.

 CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SUFFACE OF CONCRETE. (PIPES CANNOT INTRIDE BEYOND FLUSH). INVERT OF CONTRACTOR PRESPONSIBLE TOWN ALL PIPES SHALL BE SELLED WATER TIGHT PER MANUFACTURERS STANDARD CONNECTION DETAIL.

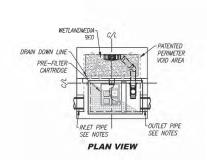
 CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS. MANHOLES, AND HATCHES OF MATCH STORY OF THE MANUFACTURERS AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES OF MATCH SUPPLED AND INSTALLED BY OTHERS. SPECIFICATION SUPPLIED AND INSTALLED BY OTHERS.

 CONTRACTOR RESPONSIBLE FOR CONTRACTING BIO CLEAN FOR ACTIVATION OF WATER.

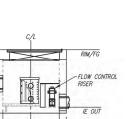
 CONTRACTOR RESPONSIBLE FOR CONTRACTING BIO CLEAN FOR ACTIVATION OF WATER.

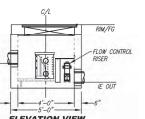
GENERAL NOTES

MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO
CHANGE. FOR PROJECT SPECIFIC DEAWNINGS DETAILING EXACT LIMENSIONS, WEIGHTS
AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

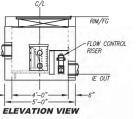


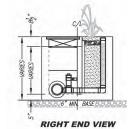
ofilterra





THE INVIGUATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF PROTESSER, AND ITS COMMENTS THE SOLE PROPERTY OF PROTESSER, AND ITS COMMENTS. THIS DOCUMENT, MOR ANY PART THEFORE, MAY BE USED, REPRODUCED OR MODIFIED IN ANY MARKET WITH OUT THE METTER LOCKSOFT OF POTENDERS.

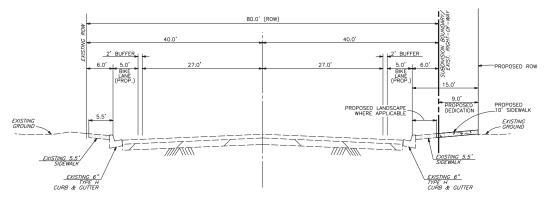




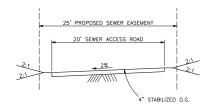
LEFT END VIEW

BMP-1	
REATMENT FLOW (CFS)	0.052
OPERATING HEAD (FT)	3.4
PRETREATMENT LOADING RATE (GPM/SF)	1.0
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

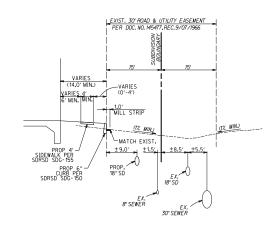
MWS-L-4-4-V STORMWATER BIOFILTRATION SYSTEM STANDARD DETAIL



PUBLIC STREET - MISSION GORGE ROAD STREET CLASSIFICATION: 4-LANE MAJOR



SEWER ACCESS ROAD



PRIVATE ROAD & ACCESS EASEMENT



PTS: <u>671912</u>

I,O.: xxxxxxxx

REVISION 1: 2/01/2021



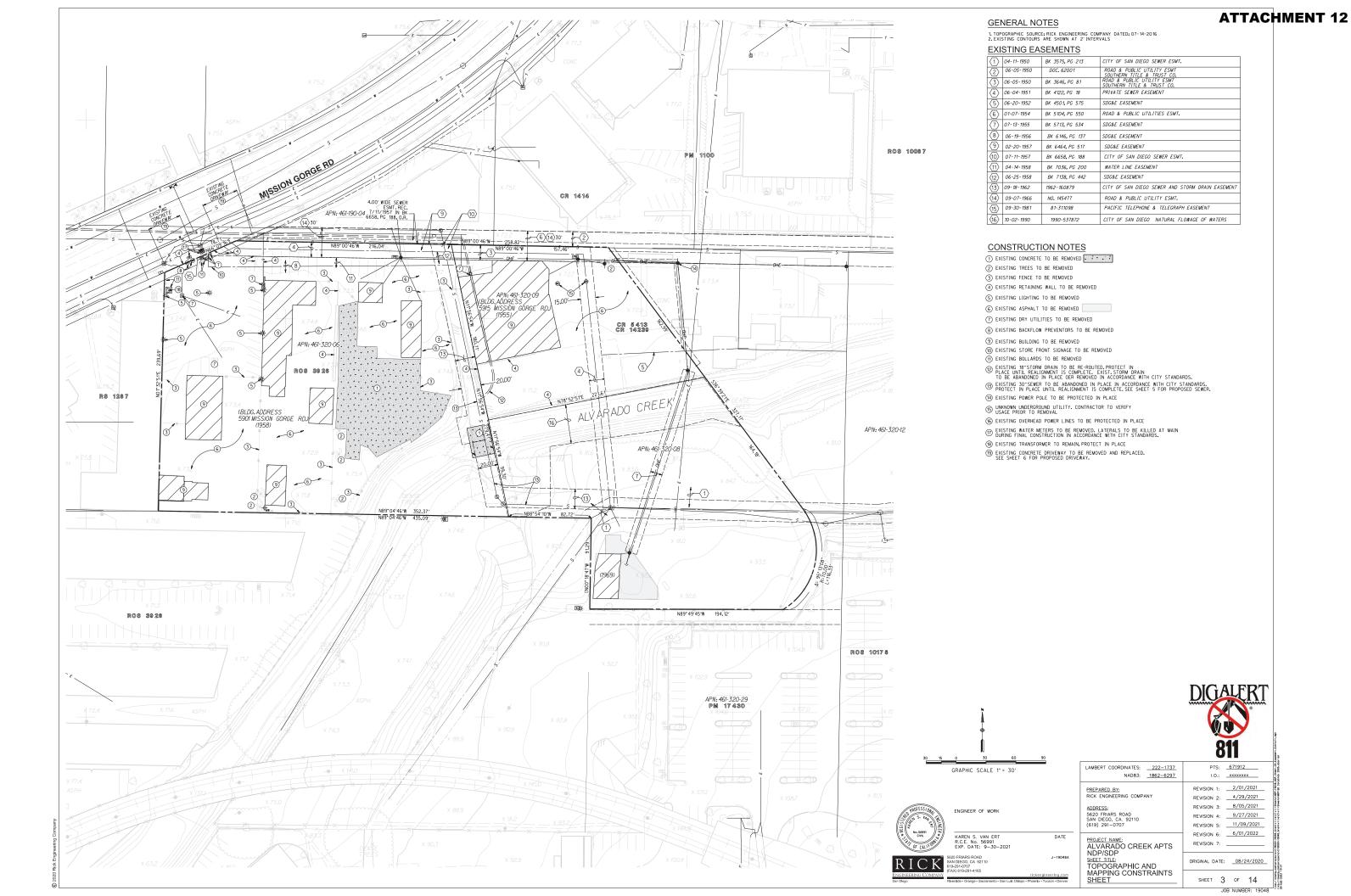
ENGINEER OF WORK	
KAREN S. VAN ERT R.C.E. No. 56991 FXP. DATF: 9-30-2021	DATE

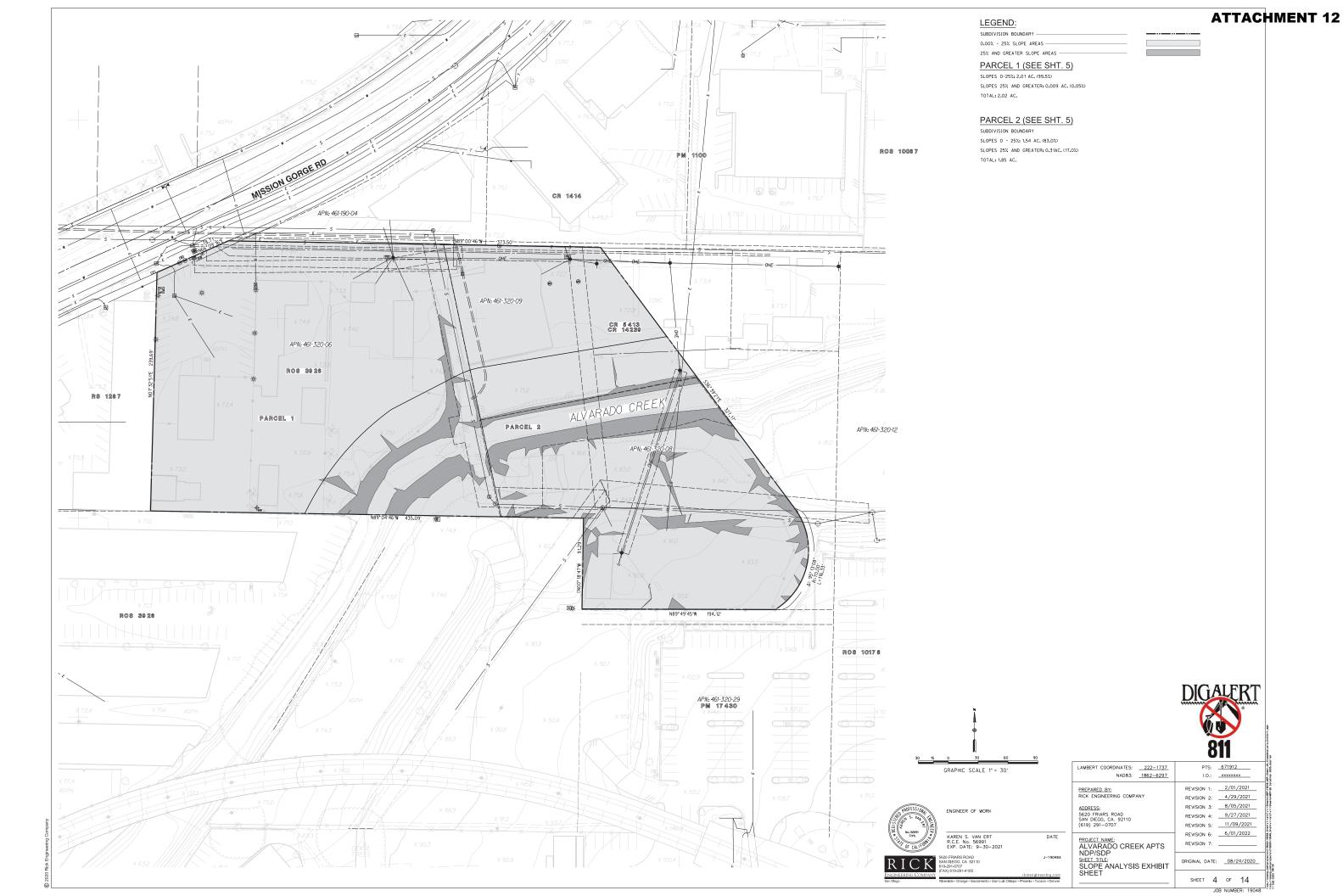
RICK ENGINEERING COMPANY	REVISION 2:	4/29/2021
ADDRESS:	REVISION 3:	8/05/2021
5620 FRIARS ROAD	REVISION 4:	9/27/2021
SAN DIEGO, CA. 92110 (619) 291-0707	REVISION 5:	11/09/2021
	REVISION 6:	6/01/2022
PROJECT NAME:	REVISION 7:	
ALVARADO CREEK APTS NDP/SDP		
SHEET TITLE: DETAILS AND SECTIONS	ORIGINAL DATE:	08/24/2020
DETAILS AND SECTIONS		
	SHEET 2	or 14

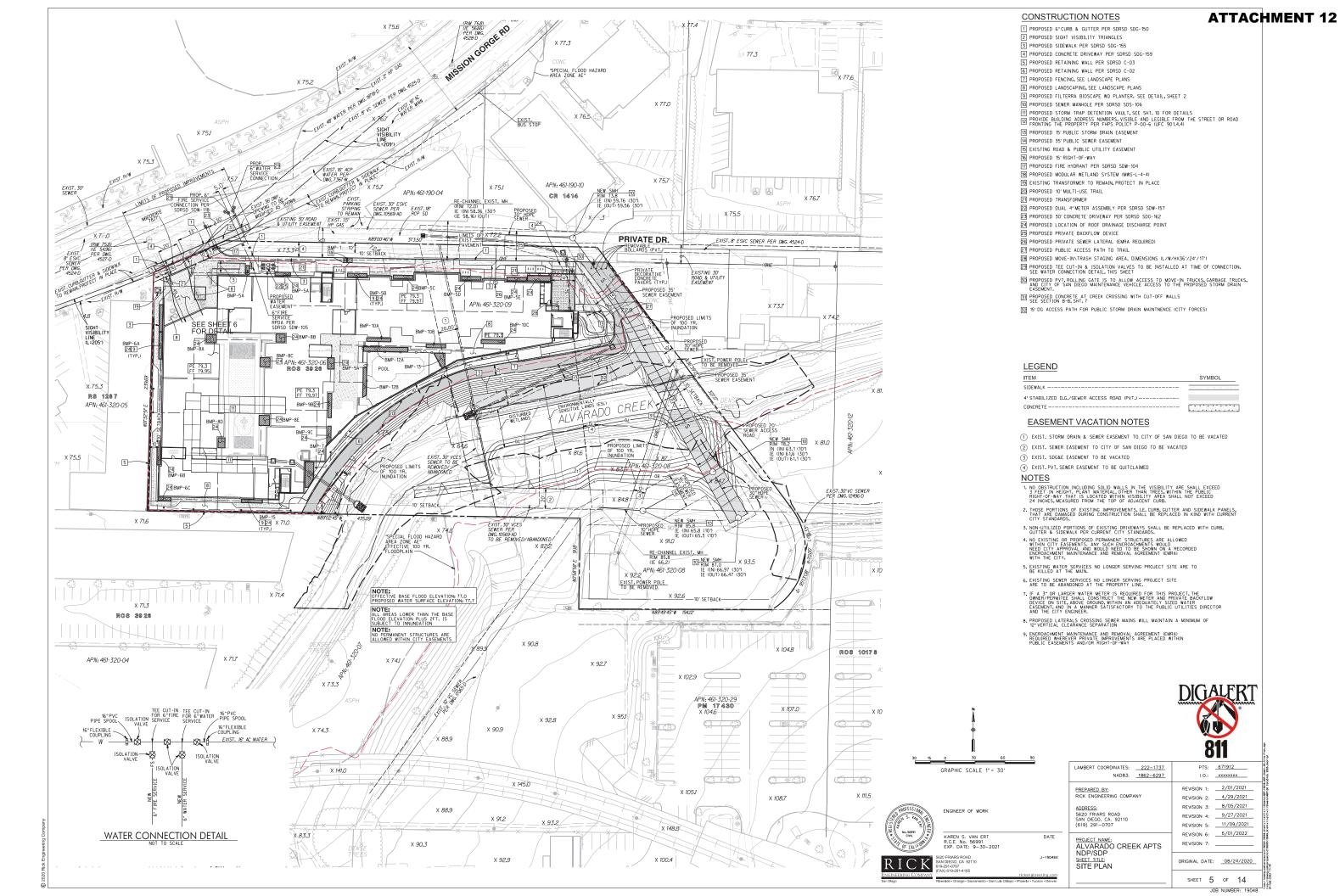
LAMBERT COORDINATES: 222-1737

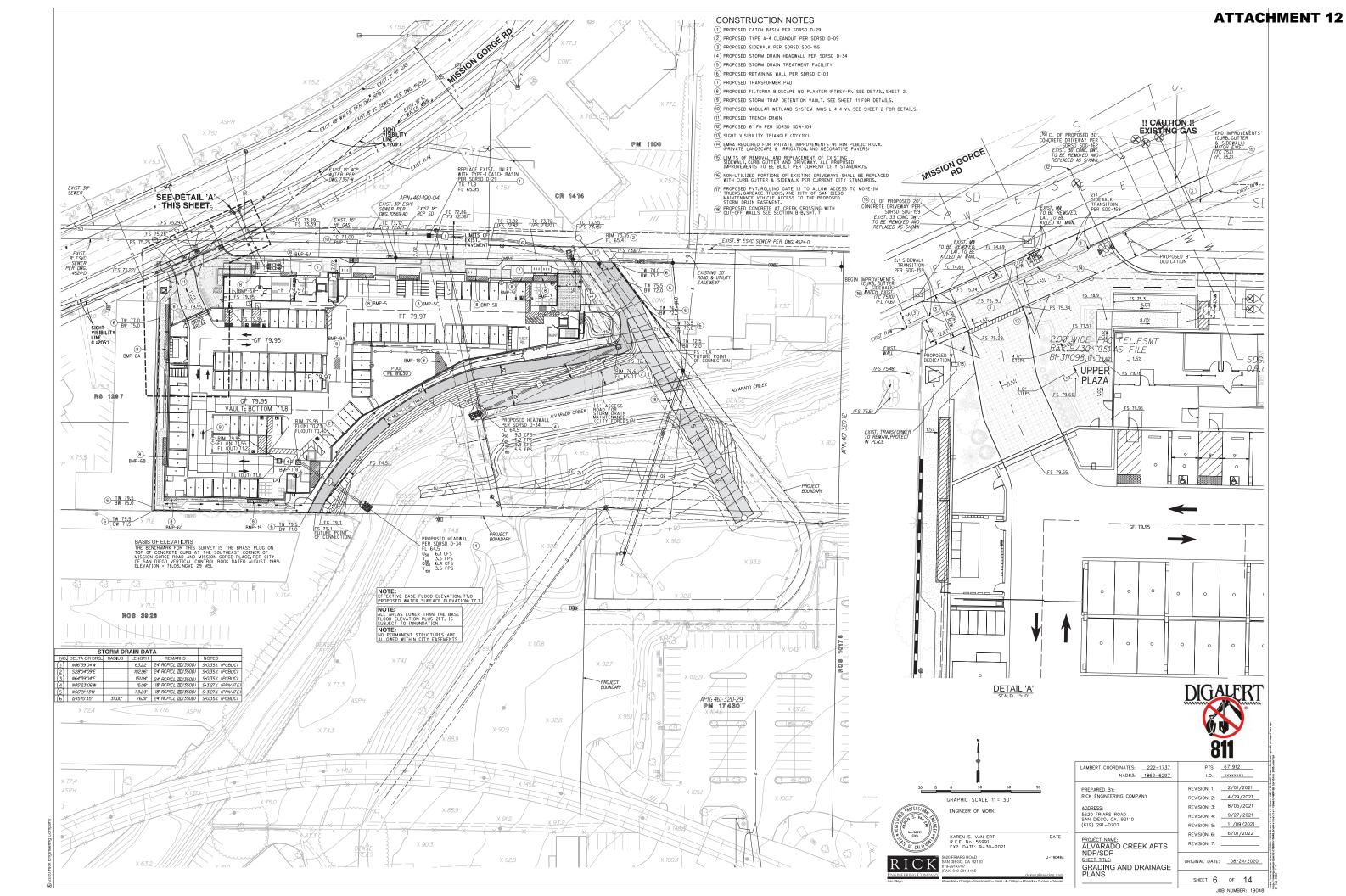
PREPARED BY: RICK ENGINEERING COMPANY

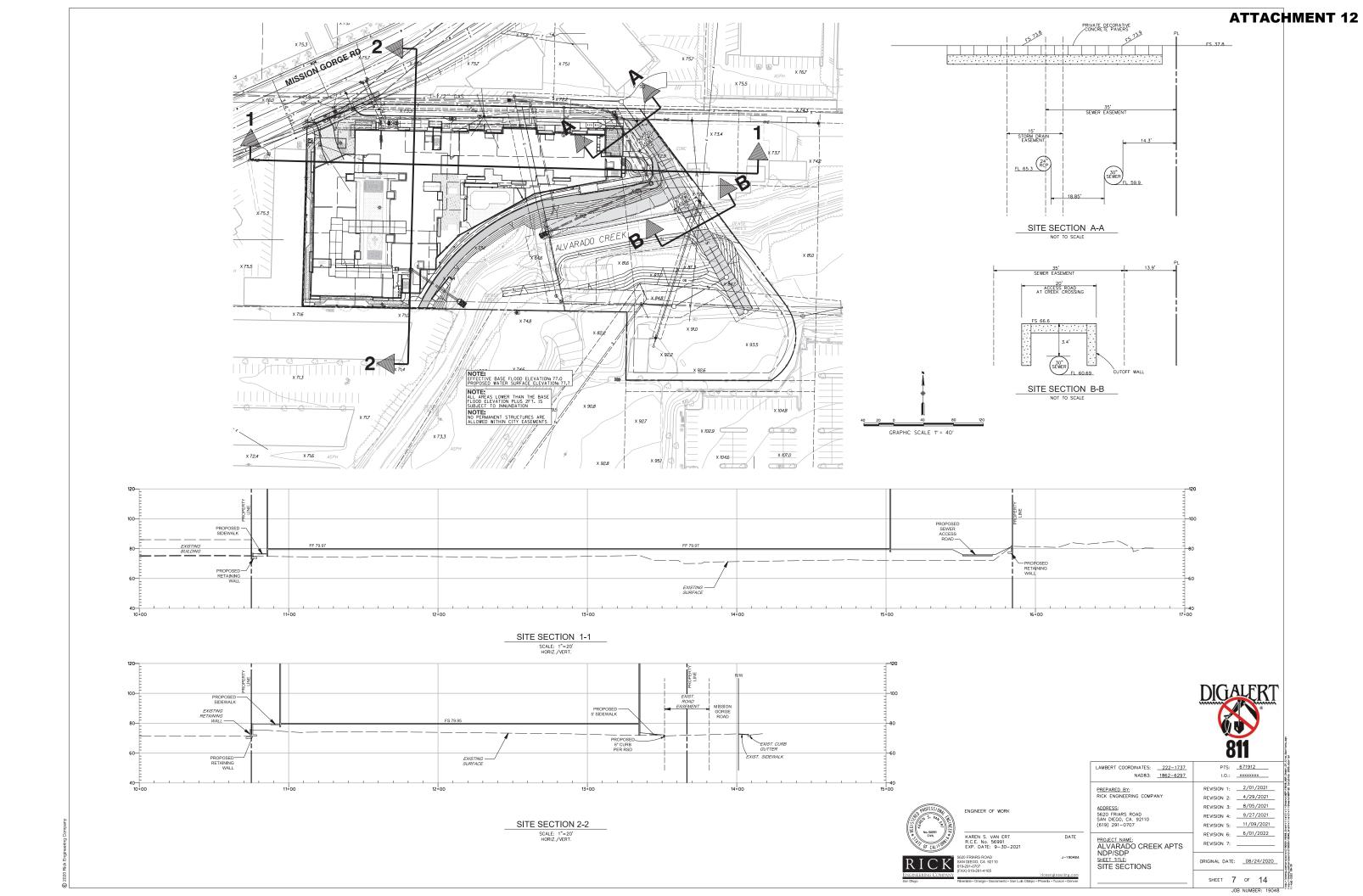
NAD83: 1862-6297

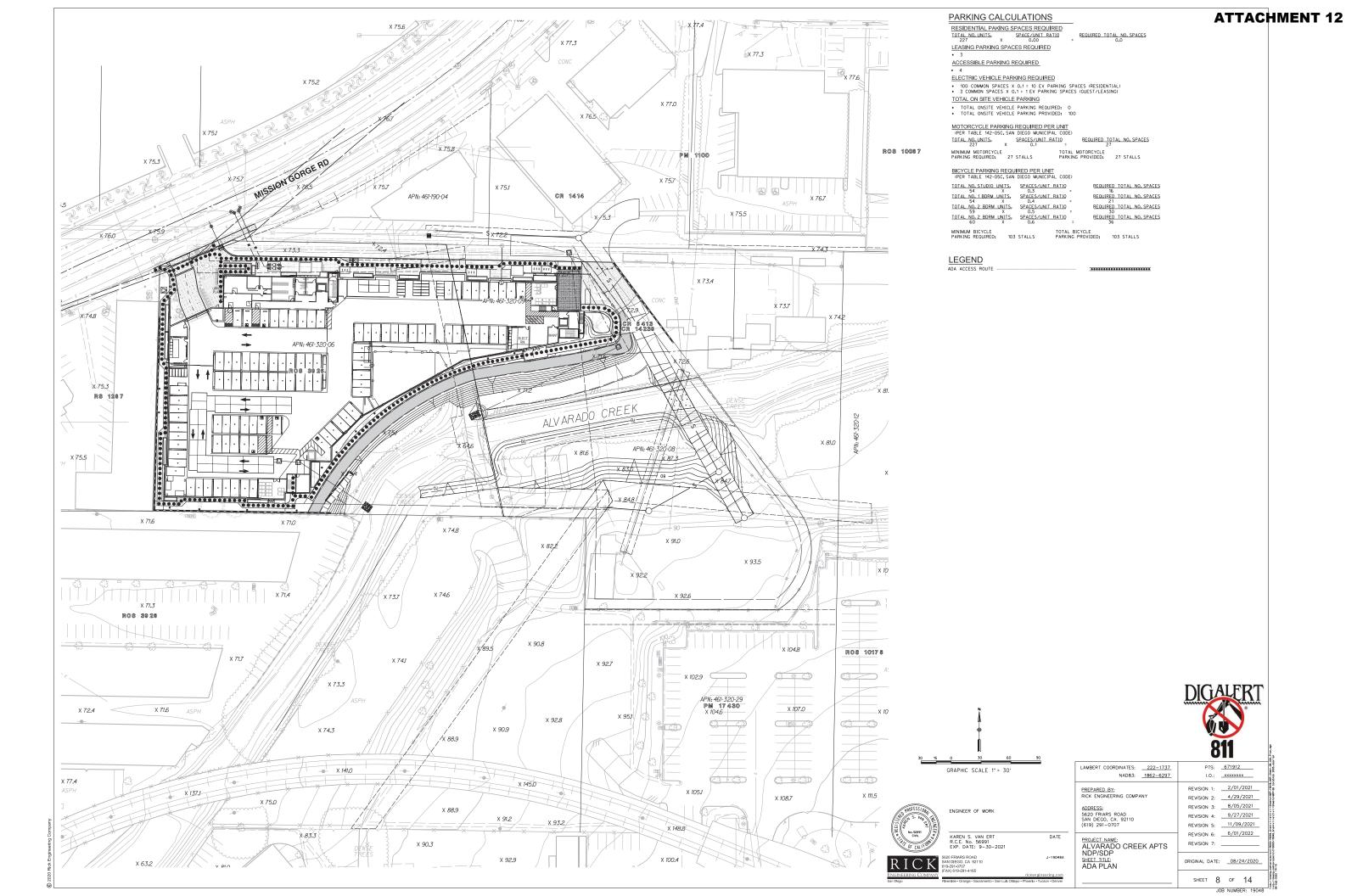


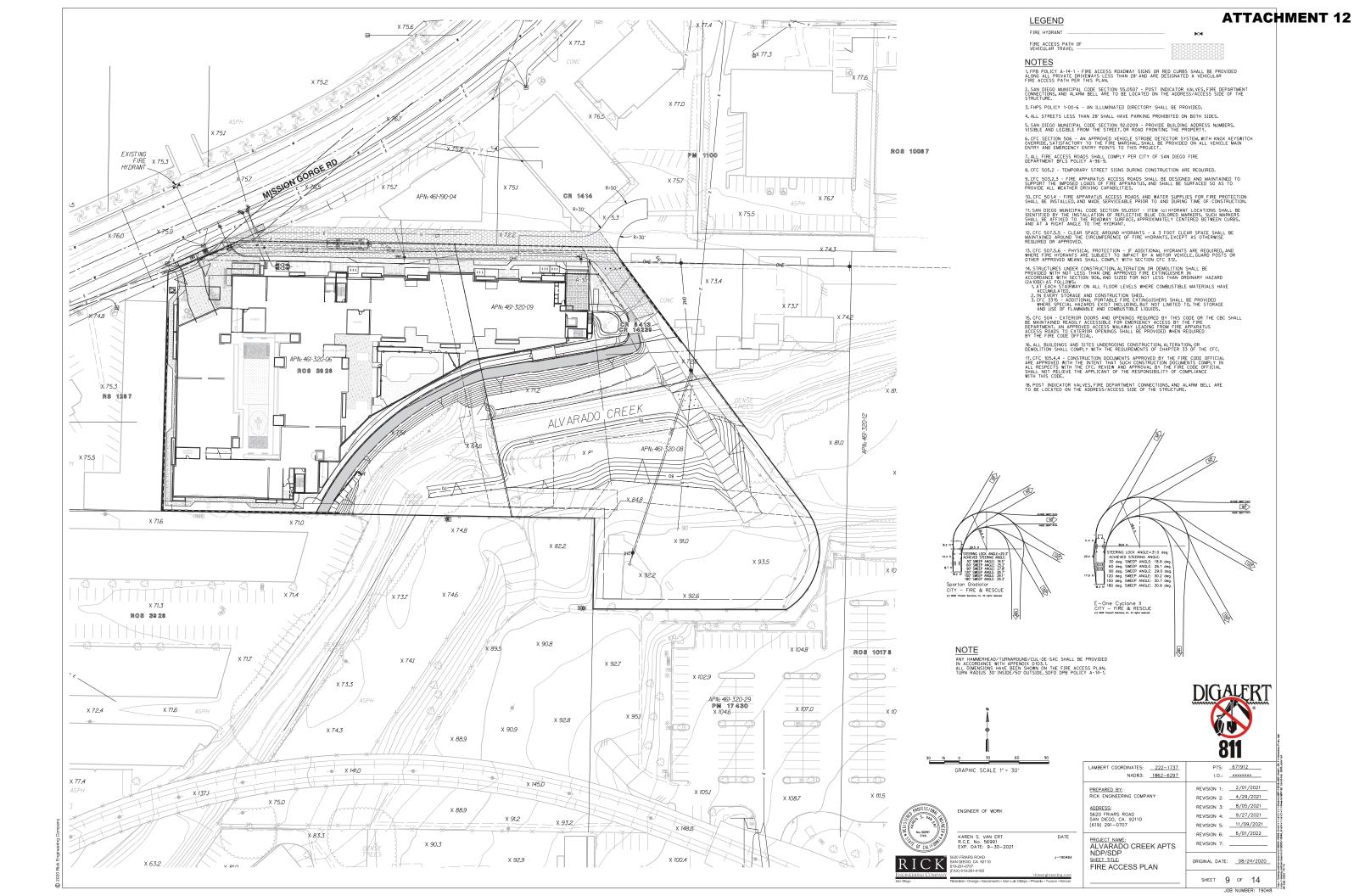














STORMTRAP SYSTEM INFORMATION

WATER STORAGE REQ'D 20000 CUBIC FEET WATER STORAGE PROV: 21379.17 CUBIC FEET
UNIT HEADROOM: 5' 0 " SINGLETRAP UNIT QUANTITY: 42 TOTAL PIECES

STORMTRAP STRUCTURAL DESIGN CRITERIA

- STORMTRAP MODULES SHALL BE MANUFACTURED AND INSTALLED ACCORDING TO SHOP DRAWINGS APPROVED BY THE INSTALLING CONTRACTOR AND ENGINEER OF RECORD. THE SHOP DRAWINGS SHALL INDICATE SIZE AND LOCATION OF ROSO POPENINGS AND INLET OUTLET PIPE TYPES, SIZES, INVERT ELEVATIONS AND SIZE OF OPENINGS.
- 2. COVER RANGE: MIN. 1.08' MAX. 10.00'(CONSULT STORMTRAP FOR ADDITIONAL COVER OPTIONS)



CONTACT STORMTRAP TO REQUEST A DESIGN AND BUDGET FOR YOUR SPECIFIC PROJECT NEEDS.

SHEET INDEX DESCRIPTION

StormTrap*

1-877-867-6872

ENGINEER INFORMATION:

ATTACHMENT 12

STORMTRAP CONTACT INFORMATION

SINGLETRAP° - DETENTION

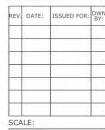
SAMPLE DRAWING

PROJECT INFORMATION: SINGLETRAP DETENTION

CURRENT ISSUE DATE:

ISSUED FOR:

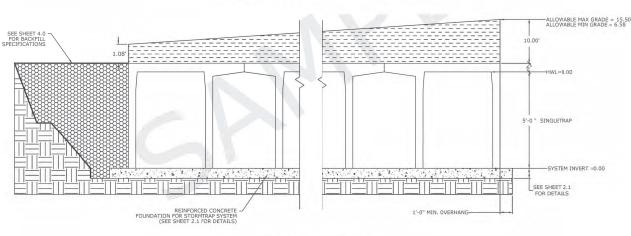
SAMPLE PROJECT



NT5

SHEET TITLE:

COVER SHEET



5'-0 " SINGLETRAP

ACCESS OPENING SPECIFICATION

1. A TYPICAL ACCESS OPENING FOR THE STORMTRAP SYSTEM ARE 2'-0" IN DIAMETER. A CCESS OPENINGS LARGER THAN 3"-0" IN DIAMETER NEED TO BE APPROVED BY STORMTRAP, ALL OPENINGS MUST RETAIN AT LEAST 1"-0" OF CLEARANCE FROM THE END OF THE STORMTRAP MODULE UNLESS NOTED OTHERWISE, ALL ACCESS OPENINGS TO BE LOCATED ON INSIDE LEG UNLESS OTHERWISE SPECIFIED.

2. PLASTIC COATED STEEL STEPS PRODUCED BY M.A. INDUSTRIES PART #PS3-PFC OR APPROVED EQUAL (SEE STEP DETAIL) ARE PROVIDED INSIDE ANY MODULE WHERE DEEMED NECESSARY. THE HIGHEST STEP IN THE MODULE IS TO BE PLACED A DISTANCE OF 1'-0' FROM THE INSIDE EDGE OF 1'-1' BIT TO THE MODULE. ALL ENSUING STEPS SHALL BE PLACED WITH A MAXIMUM DISTANCE OF 1'-4' SETWEEN THEM. STEPS MAY BE MOVED OR ALTERED TO AVOID OPENINGS OR OTHER IRREGULARITIES IN THE MODULE.

- 4. STORMTRAP ACCESS OPENINGS MAY BE RELOCATED TO AVOID INTERFERENCE WITH INLET AND/OR OUTLET PIPE OPENINGS SO PLACEMENT OF STEPS IS ATTAINABLE.

5. ACCESS OPENINGS SHOULD BE LOCATED IN ORDER TO MEET THE APPROPRIATE MUNICIPAL REQUIREMENTS, STORNTRAP RECOMMENDS AT LEAST TWO ACCESS OPENINGS PER SYSTEM FOR ACCESS AND INSPECTION.

6. USE PRECAST ADJUSTING RINGS AS NEEDED TO MEET GRADE, STORMTRAP RECOMMENDS FOR COVER OVER 2' TO USE PRECAST BARREL OR CONE INSPECTIONS. (PROVIDED BY

RECOMMENDED PIPE OPENING SPECIFICATION

- 1. MINIMUM EDGE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NO LESS
- 2. MAXIMUM OPENING SIZE TO BE DETERMINED BY THE MODULE HEIGHT. PREFERRED OPENING SIZE Ø 36° OR LESS. ANY OPENING NEEDED THAT DOES NOT FIT THIS CRITERIA SHALL BE BROUGHT TO THE ATTENTION OF STORMTRAP FOR REVIEW.

3. CONNECTING PIPES SHALL BE INSTALLED WITH A 1'-0" CONCRETE COLLAR, AND AN AGGREGATE CRADLE FOR AT LEAST ONE PIPE LENGTH (SEE PIPE CONNECTION DETAIL). A STRUCTURAL GRADE CONCRETE OR HIGH STRENGTH, NON-SHRINK GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI SHALL BE USED.

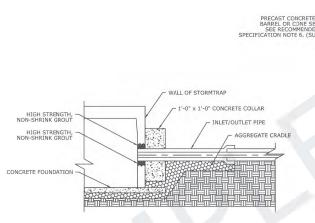
4. THE ANNULAR SPACE BETWEEN THE PIPE AND THE HOLE SHALL BE FILLED WITH HIGH STRENGTH NON-SHRINK GROUT.

RECOMMENDED PIPE INSTALLATION INSTRUCTIONS

- 1. CLEAN AND LIGHTLY LUBRICATE ALL OF THE PIPE TO BE INSERTED INTO STORMTRAP
- 2. IF PIPE IS CUT, CARE SHOULD BE TAKEN TO ALLOW NO SHARP EDGES. BEVEL AND
- 3. ALIGN CENTER OF PIPE TO CORRECT ELEVATION AND INSERT INTO OPENING.

NOTE: ALL ANCILLARY PRODUCTS RECOMMENDED AND SHOWN ON THIS SHEET ARE RECOMMENDATIONS ONLY AND SUBJECT TO CHANGE PER THE INSTALLING CONTRACTOR.

TYPE I



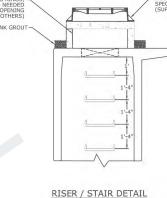
WALL OF STORMTRAP

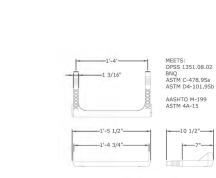
PIPE CONNECTION DETAIL

TYPE III

'-0" x 1'-0" CONCRETE COLLAR

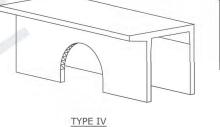
INLET/OUTLET PIPE

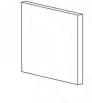




STEP DETAIL







END PANEL



NOTES:

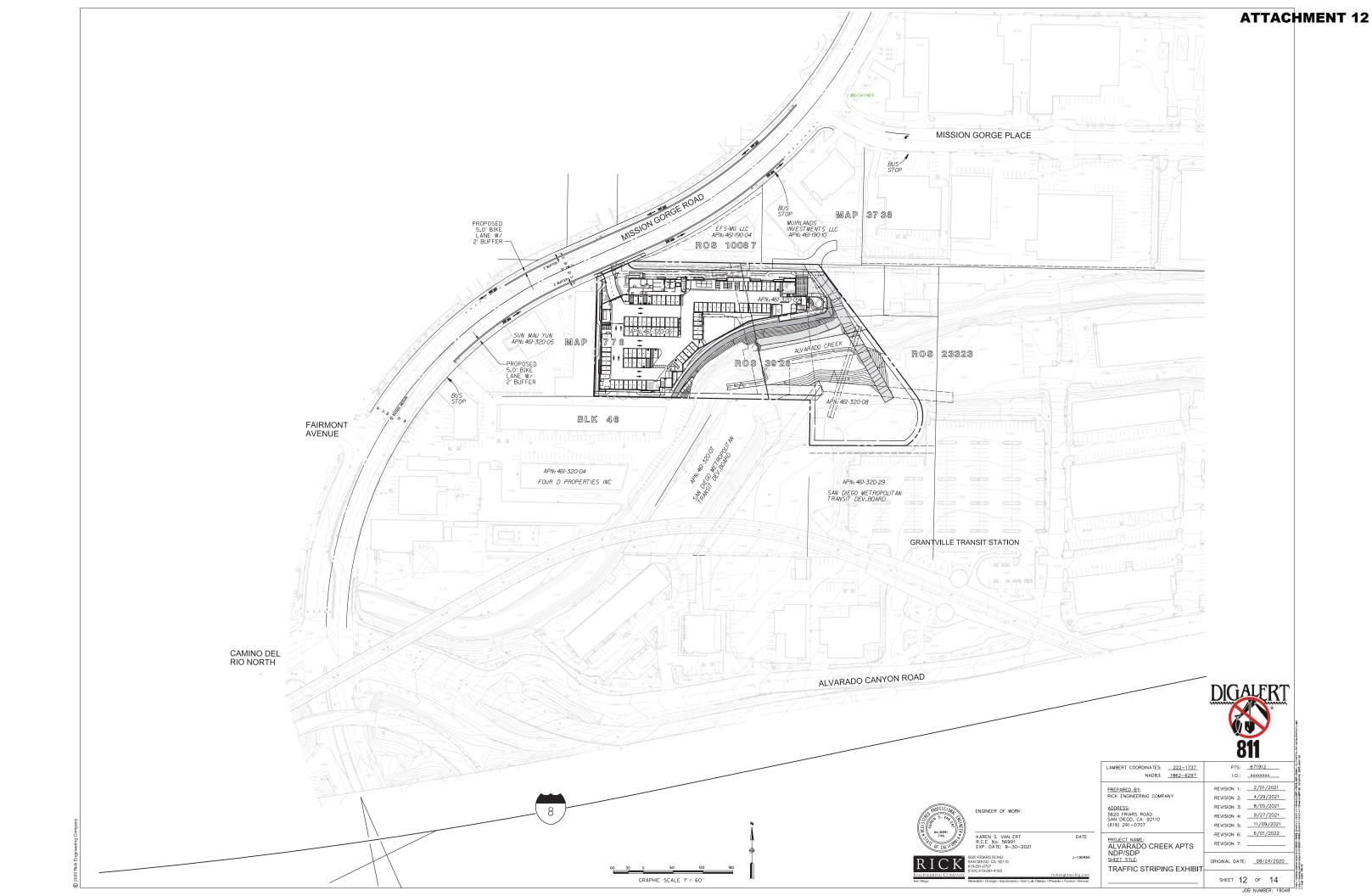
1. OPENING LOCATIONS AND SHAPES MAY VARY. 2. SP - INDICATES A MODULE WITH MODIFICATIONS. 3. P - INDICATES A MODULE WITH A PANEL ATTACHMENT. 4. POCKET WINDOW OPENINGS ARE OPTIONAL

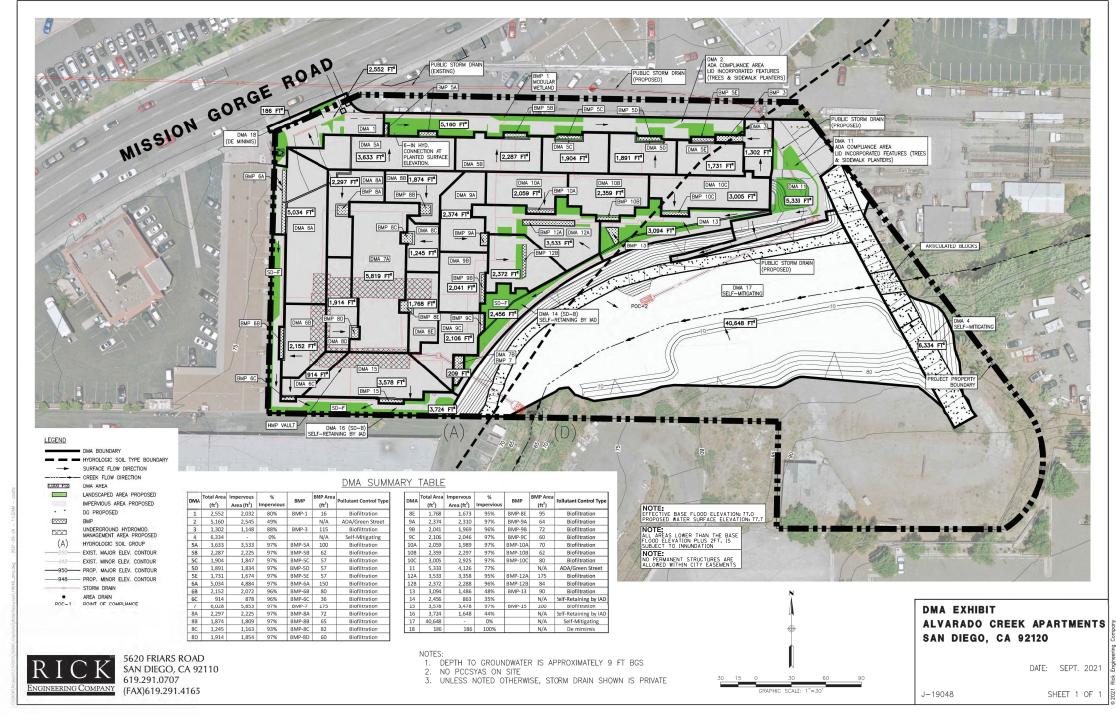
ENGINEER OF WORK

DATE

BMP DETAILS SHOWN ARE FOR REFERENCE ONLY. SIZE WILL BE DETERMINED DURING FINAL DESIGN LAMBERT COORDINATES: 222-1737 PTS: <u>671912</u> NAD83: 1862-6297 I,O.; xxxxxxxx REVISION 1: 2/01/2021 PREPARED BY: RICK ENGINEERING COMPANY REVISION 2: 4/29/2021 REVISION 3: 8/05/2021 ADDRESS: 5620 FRIARS ROAD SAN DIEGO, CA. 92110 (619) 291-0707 REVISION 4: 9/27/2021 REVISION 5: ___11/09/2021_ REVISION 6: 6/01/2022 PROJECT NAME:
ALVARADO CREEK APTS
NDP/SDP
SHEET ITILE:
STORM TRAP DETAILS REVISION 7: ORIGINAL DATE: _08/24/2020 SHEET 11 OF 14

JOB NUMBER: 19048





NOT FOR CONSTRUCTION - EXHIBIT FOR PDP SWQMP ONLY

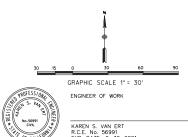


		811
	LAMBERT COORDINATES: 222-1737 NAD83: 1862-6297	PTS: <u>671912</u> I.O.: <u>xxxxxxxxx</u>
E 88	PREPARED BY: RICK ENGINEERING COMPANY ADDRESS: 5620 FRIARS ROAD SAN DIEGO, CA. 92110 (619) 291-0707 PROJECT NAME: ALVARADO CREEK APTS NDP/SDP SHEET TITLE:	REVISION 1: 2/01/2021 REVISION 2: 4/29/2021 REVISION 3: 8/05/2021 REVISION 4: 9/27/2021 REVISION 6: 6/01/2022 REVISION 7: ORIGINAL DATE: 08/24/2020
m er		SHEET 13 OF 14



PROPOSED COVENANT OF EASEMENT WETLAND MITIGATION AREA BOUNDARY

CREATION OF 0.183 AC.RIPARION HABITAT RESTORATION 0.217 AC.RIPARION HABITAT ENHANCEMENT OF 0.199 AC.RIPARIAN HABITAT



ADDRESS:
5620 FRIARS ROAD
SAN DIEGO, CA. 92110
(619) 291-0707

DATE
PROJECT NAME:
ALVARADO CRE
NDP/SDP

PROJECT NAME:
ALVARADO CREEK APTS
NDP/SDP
SHEET ITILE:
COVENANT OF
EASEMENT BOUNDARY

LAMBERT COORDINATES: __222-1737 NAD83: __1862-6297

PREPARED BY: RICK ENGINEERING COMPANY REVISION 1: 2/01/2021
REVISION 2: 4/29/2021
REVISION 3: 8/05/2021
REVISION 4: 9/27/2021
REVISION 6: 6/01/2022
REVISION 7: 48/2021
REVISION 7: 48/2021

 811

 PTS:
 671912

 I.O.:
 xxxxxxxxx

ORIGINAL DATE: <u>08/24/2020</u>

ANT OF

NT BOUNDARY

SHEET 14 OF 14

KAREN S. VAN ERT
R.C.E. No. 56991
EXP. DATE: 9–30–2021

FX. DATE: 9–30–3021

FX. DATE: 9–30–3